

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025931.D
 Acq On : 07 Aug 2018 09:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 8/7/2018 2:24:48 PM

Quant Time: Aug 07 10:30:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	201324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307744	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	184133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	151512	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	4.89	113	127179	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	7.57	98	456280	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.31	95	176250	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111177	36.54	ug/l	97
3) Chloromethane	1.33	50	111521	38.35	ug/l	99
4) Vinyl Chloride	1.40	62	125204	45.75	ug/l	99
5) Bromomethane	1.62	94	66197	49.52	ug/l	99
6) Chloroethane	1.70	64	77405	48.37	ug/l	98
7) Trichlorofluoromethane	1.89	101	184294	46.57	ug/l	99
8) Diethyl Ether	2.10	74	68812	48.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101667	44.39	ug/l	99
10) Methyl Iodide	2.41	142	81625	40.24	ug/l	98
11) Tert butyl alcohol	2.83	59	159375	232.06	ug/l	99
12) 1,1-Dichloroethene	2.28	96	98120	45.39	ug/l	94
13) Acrolein	2.19	56	92483	372.84	ug/l	99
14) Allyl chloride	2.59	41	165307	42.55	ug/l	95
15) Acrylonitrile	2.94	53	341247	248.87	ug/l	99
16) Acetone	2.32	43	353507	231.15	ug/l	98
17) Carbon Disulfide	2.48	76	331478	47.38	ug/l	99
18) Methyl Acetate	2.62	43	159587	43.35	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	395595	50.50	ug/l	99
20) Methylene Chloride	2.70	84	127710	47.12	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	121899	48.78	ug/l	97
22) Diisopropyl ether	3.58	45	387254	50.59	ug/l	93
23) Vinyl Acetate	3.53	43	1659850	248.81	ug/l	99
24) 1,1-Dichloroethane	3.45	63	224879	48.94	ug/l	98
25) 2-Butanone	4.27	43	598645	287.55	ug/l	100
26) 2,2-Dichloropropane	4.23	77	95249	22.80	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	137956	48.97	ug/l	93
28) Bromochloromethane	4.55	49	99234	48.30	ug/l	93
29) Tetrahydrofuran	4.64	42	306042	245.37	ug/l	99
30) Chloroform	4.68	83	233452	48.13	ug/l	98
31) Cyclohexane	5.00	56	200590	50.19	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	214448	49.11	ug/l	98
36) 1,1-Dichloropropene	5.14	75	173526	48.25	ug/l	97
37) Ethyl Acetate	4.38	43	180131	48.30	ug/l	99
38) Carbon Tetrachloride	5.14	117	195448	47.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	199449	48.40	ug/l	98
40) Benzene	5.39	78	502082	47.76	ug/l	98
41) Methacrylonitrile	4.55	41	98821	47.71	ug/l	97
42) 1,2-Dichloroethane	5.41	62	187883	46.41	ug/l	99
43) Isopropyl Acetate	5.55	43	295155	47.90	ug/l	98
44) Trichloroethene	6.19	130	144889	49.49	ug/l	94
45) 1,2-Dichloropropane	6.44	63	132377	48.28	ug/l	100
46) Dibromomethane	6.56	93	94232	47.43	ug/l	97
47) Bromodichloromethane	6.76	83	182337	48.12	ug/l	95
48) Methyl methacrylate	6.63	41	149207	49.40	ug/l	95
49) 1,4-Dioxane	6.62	88	69213	941.70	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1160925	300.91	ug/l	99
52) Toluene	7.64	92	325658	49.86	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	188929	44.40	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	200495	45.87	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	134459	49.54	ug/l	99
56) Ethyl methacrylate	8.02	69	201757	52.03	ug/l	95
57) 1,3-Dichloropropane	8.25	76	223007	48.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	364915	208.99	ug/l	99
59) 2-Hexanone	8.36	43	892885	295.24	ug/l	97
60) Dibromochloromethane	8.48	129	157076	49.08	ug/l	100
61) 1,2-Dibromoethane	8.59	107	148107	49.07	ug/l	100
64) Tetrachloroethene	8.23	164	143672	55.40	ug/l	99
65) Chlorobenzene	9.12	112	375465	49.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141368	51.44	ug/l	99
67) Ethyl Benzene	9.25	91	637676	50.68	ug/l	100
68) m/p-Xylenes	9.38	106	508751	105.31	ug/l	97
69) o-Xylene	9.78	106	241879	51.23	ug/l	99
70) Styrene	9.80	104	403644	52.93	ug/l	98
71) Bromoform	9.96	173	123639	51.89	ug/l #	98
73) Isopropylbenzene	10.17	105	650152	51.73	ug/l	99
74) N-amyl acetate	10.01	43	262866	51.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	209862	48.29	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	194809m	48.02	ug/l	
77) Bromobenzene	10.45	156	176260	50.85	ug/l	97
78) n-propylbenzene	10.59	91	754032	51.41	ug/l	99
79) 2-Chlorotoluene	10.66	91	448612	52.22	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	550529	51.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	231574	143.13	ug/l #	100
82) 4-Chlorotoluene	10.78	91	529309	52.26	ug/l	99
83) tert-Butylbenzene	11.10	119	530446	50.02	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	567370	52.46	ug/l	97
85) sec-Butylbenzene	11.33	105	645586	49.86	ug/l	100
86) p-Isopropyltoluene	11.48	119	587477	50.67	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	325680	50.62	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	326448	48.67	ug/l	99
89) n-Butylbenzene	11.89	91	501766	46.90	ug/l	99
90) Hexachloroethane	12.15	117	99143	48.10	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	319931	50.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51698	50.18	ug/l	100

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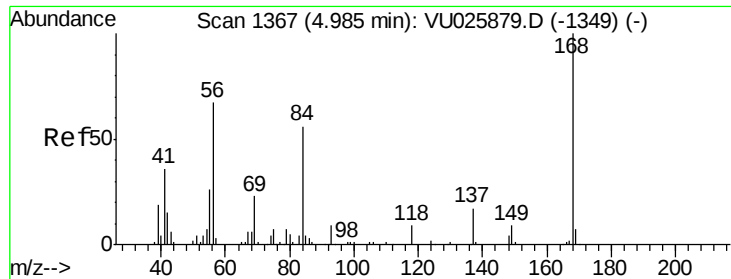
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	217064	50.99	ug/l	99
94) Hexachlorobutadiene	13.69	225	96085	42.82	ug/l	97
95) Naphthalene	13.74	128	667458	48.85	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	219537	51.70	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 201324

Ion Ratio Lower Upper

168 100

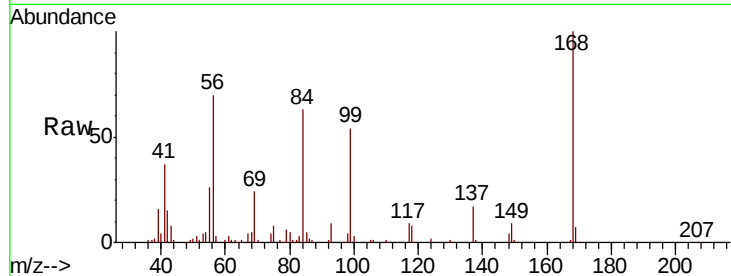
99 54.1 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)

4.99

100000

80000

60000

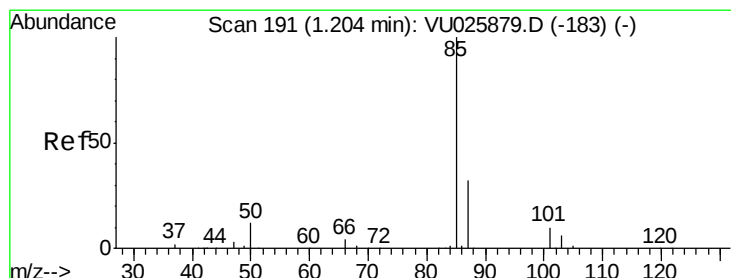
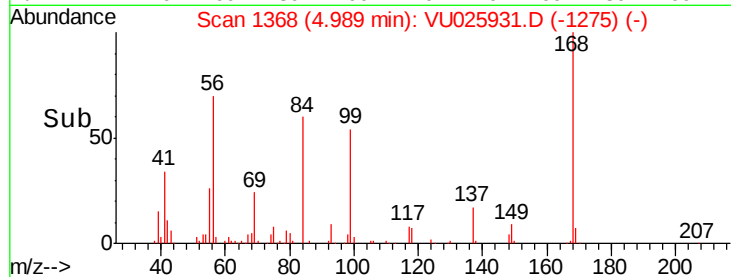
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 36.54 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025931.D

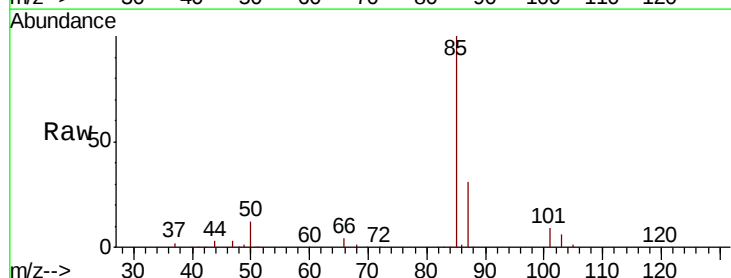
Acq: 07 Aug 2018 09:41

Tgt Ion: 85 Resp: 111177

Ion Ratio Lower Upper

85 100

87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)

1.20

120000

100000

80000

60000

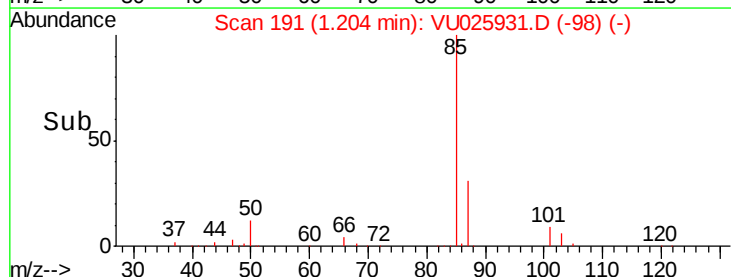
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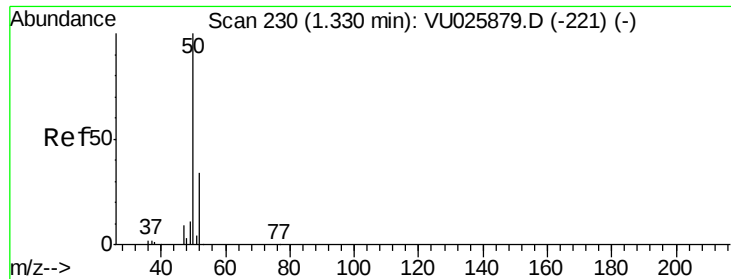
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 38.35 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 111521

Ion Ratio Lower Upper

50 100

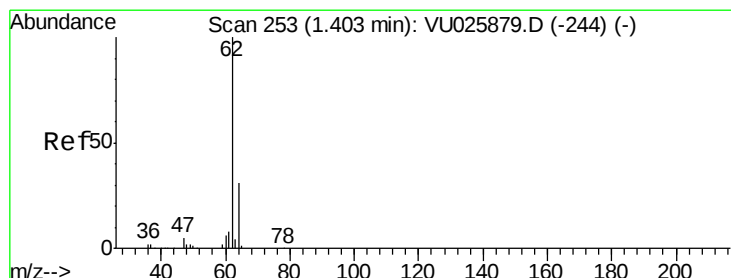
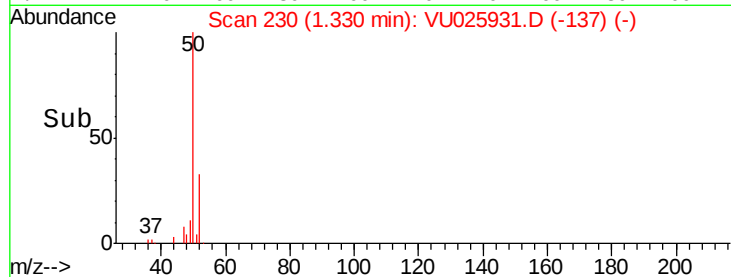
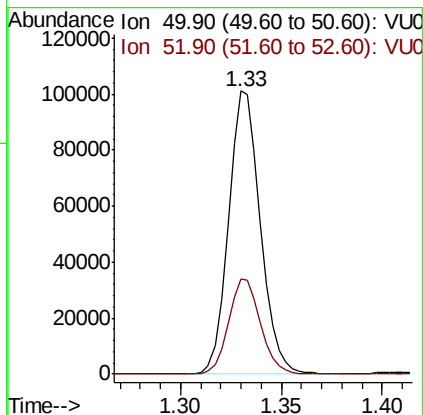
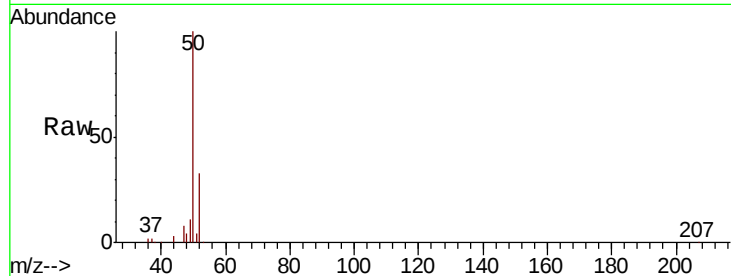
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.75 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025931.D

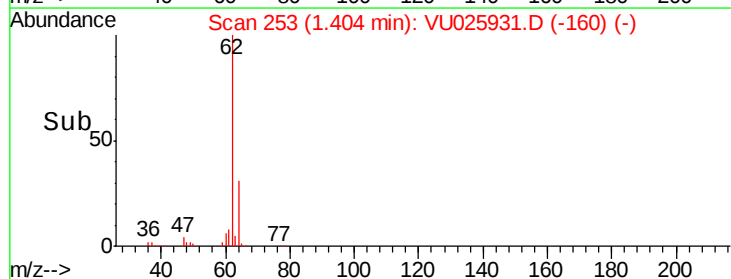
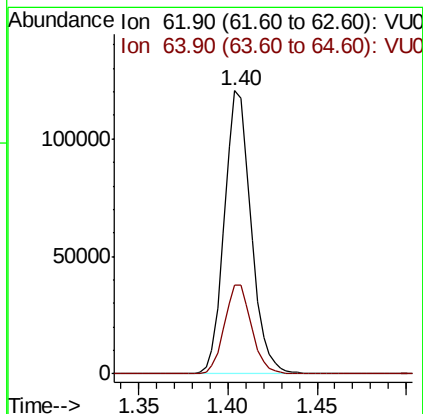
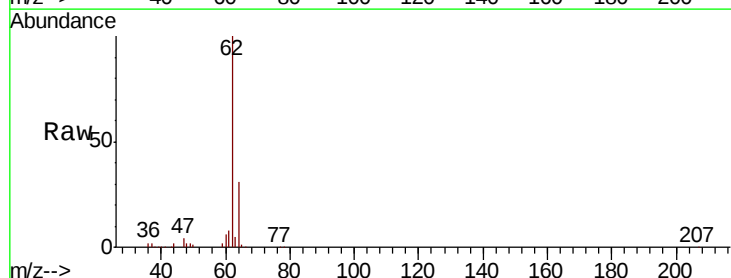
Acq: 07 Aug 2018 09:41

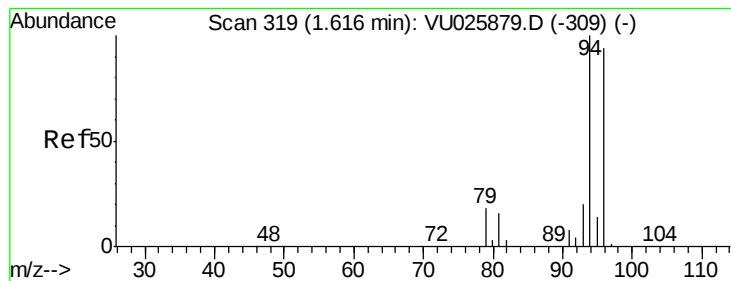
Tgt Ion: 62 Resp: 125204

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 49.52 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66197

Ion Ratio Lower Upper

94 100

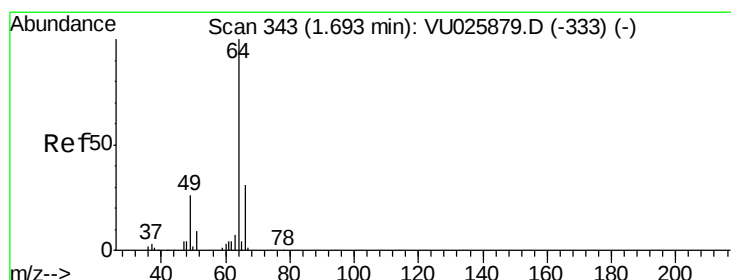
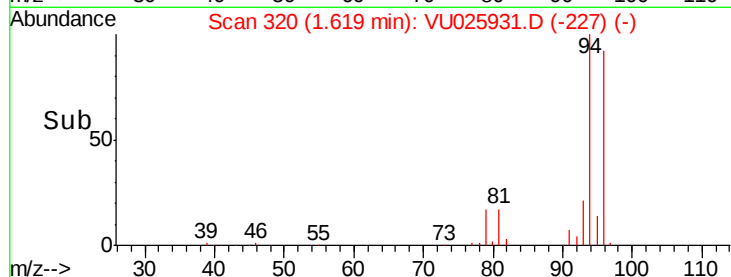
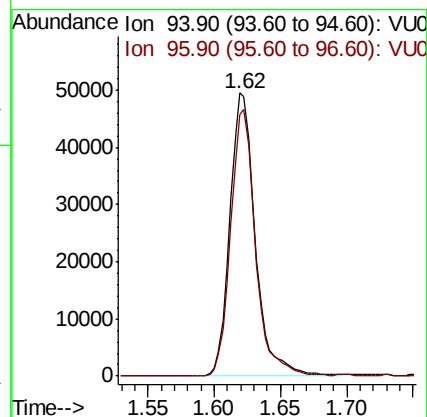
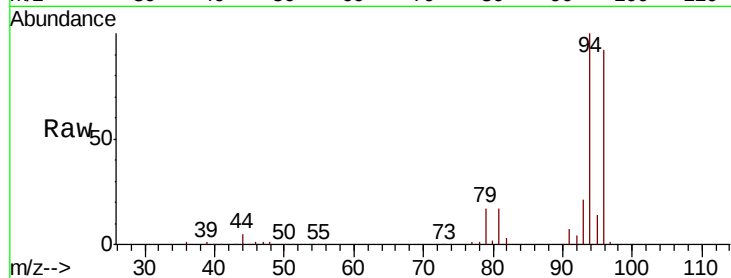
96 92.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 48.37 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025931.D

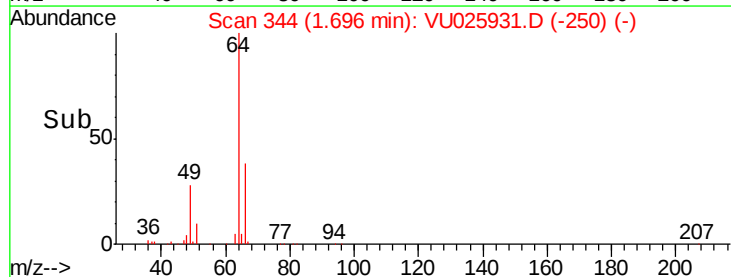
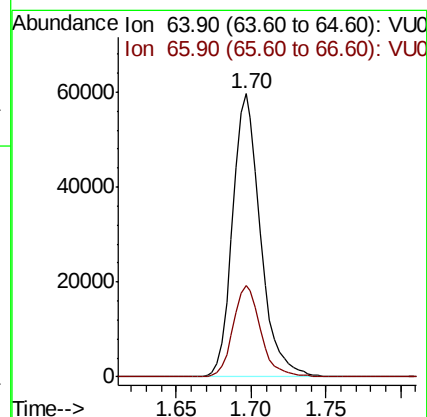
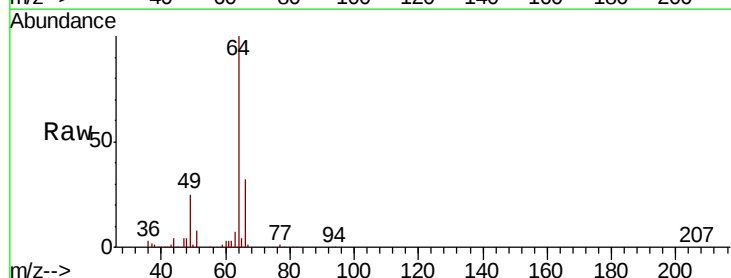
Acq: 07 Aug 2018 09:41

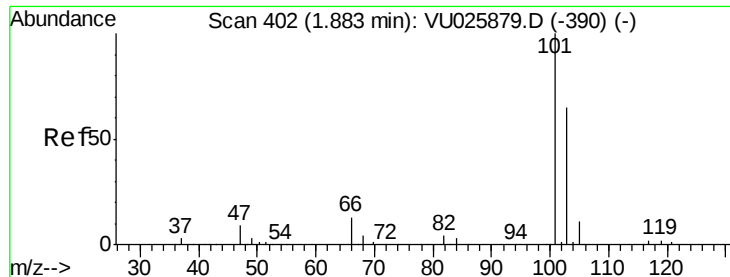
Tgt Ion: 64 Resp: 77405

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4





#7

Trichlorofluoromethane

Concen: 46.57 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

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Tot Ion:101 Resp: 184294

Ion Ratio Lower Upper

101 100

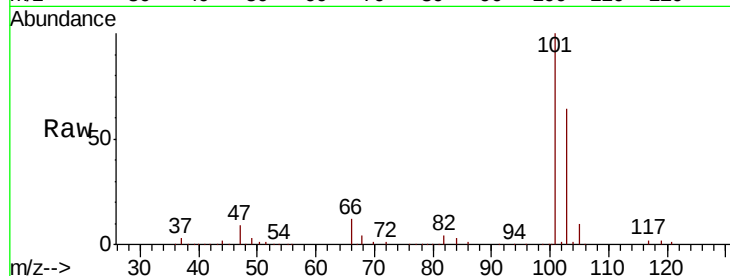
103 64.1 52.2 78.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

100000

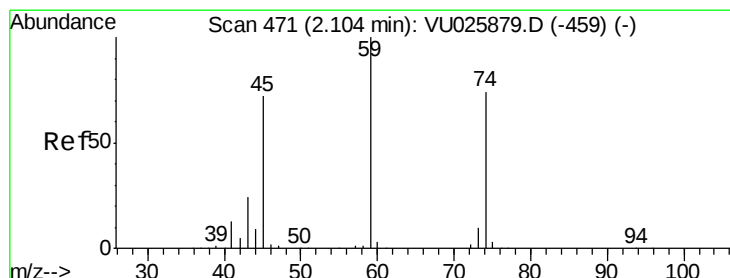
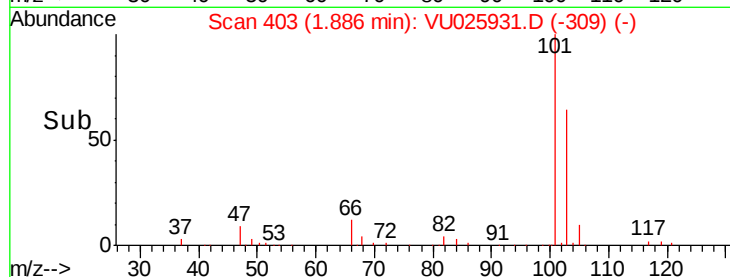
50000

0

1.89

1.80 1.85 1.90 1.95

Time-->



#8

Diethyl Ether

Concen: 48.06 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025931.D

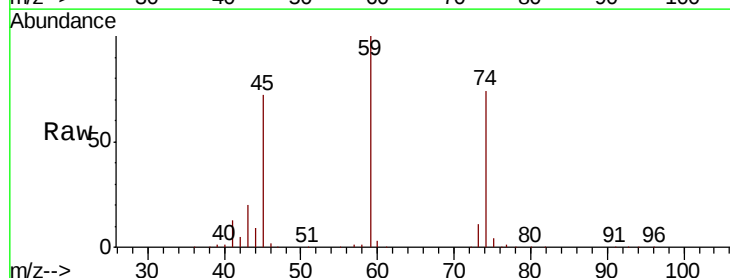
Acq: 07 Aug 2018 09:41

Tgt Ion: 74 Resp: 68812

Ion Ratio Lower Upper

74 100

45 95.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

50000

40000

30000

20000

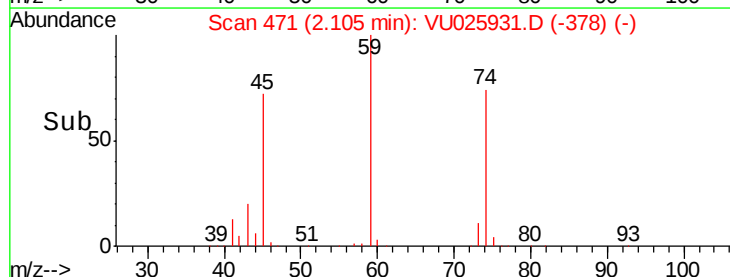
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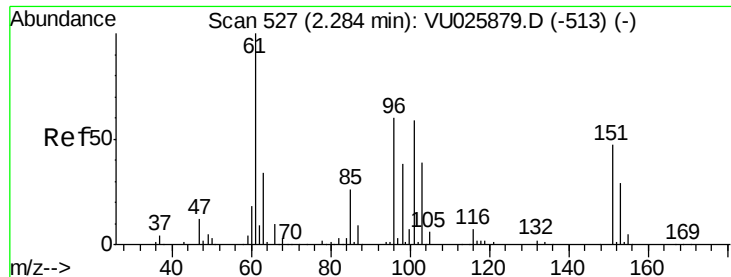
0

2.10

2.05 2.10 2.15 2.20

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.39 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

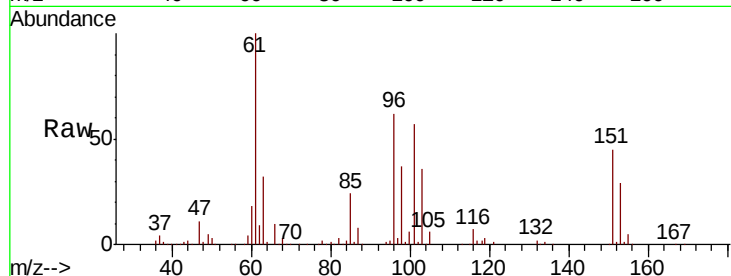
ClientSampleId :

VSTDCCC050EC

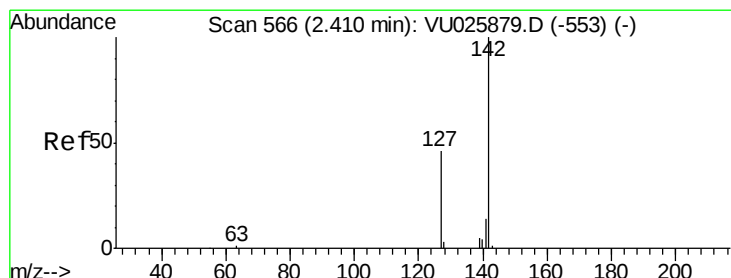
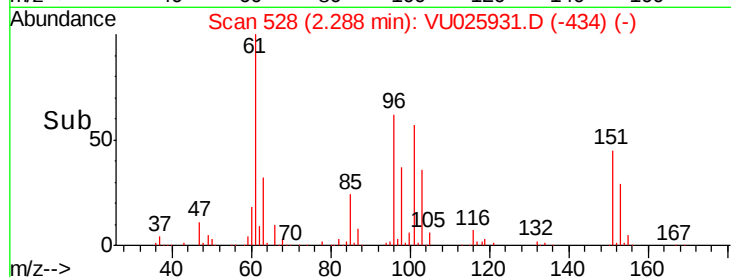
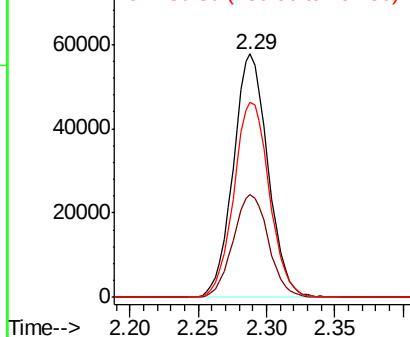
Tot Ion:	101	Resp:	101667
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.0	54.0
151	82.2	65.6	98.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.24 ug/l

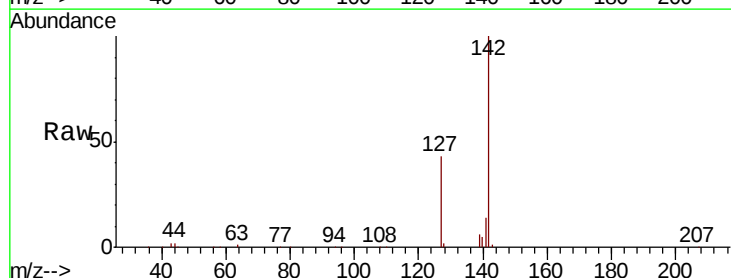
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

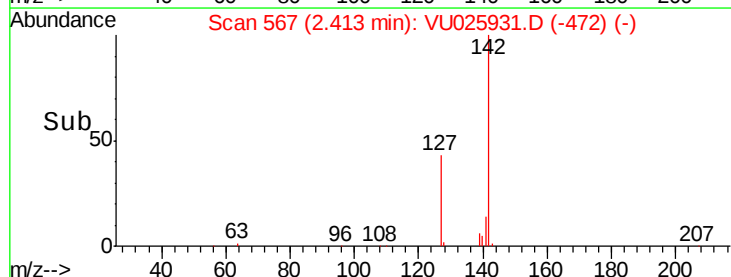
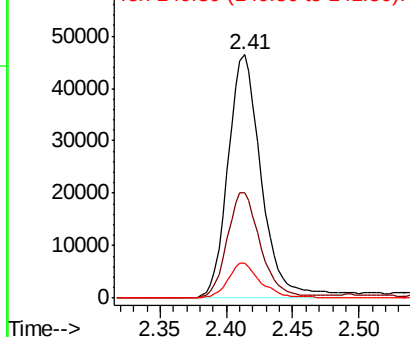
Lab File: VU025931.D

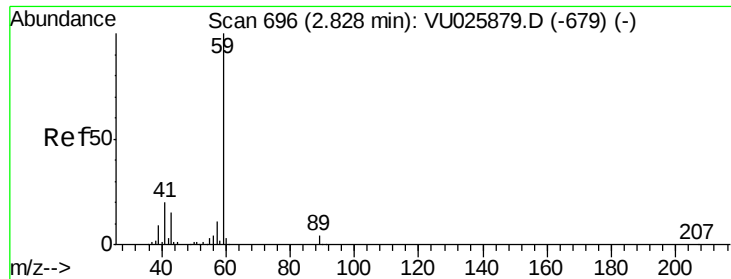
Acq: 07 Aug 2018 09:41

Tgt Ion:	142	Resp:	81625
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.5	54.7
141	14.1	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

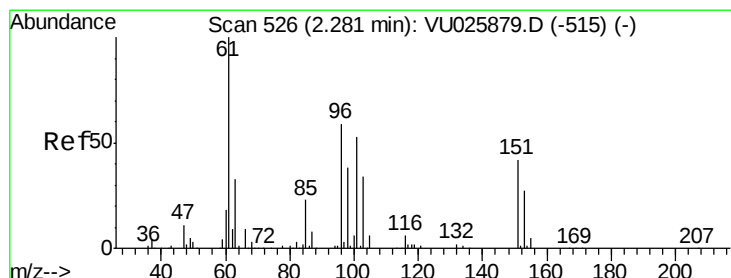
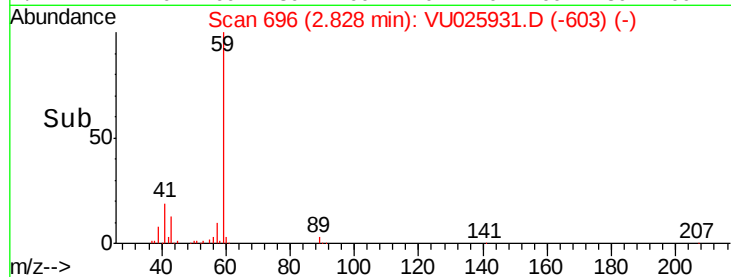
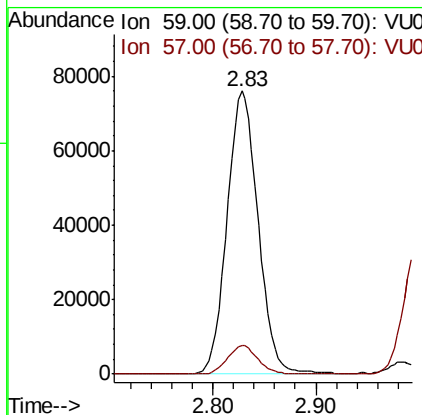
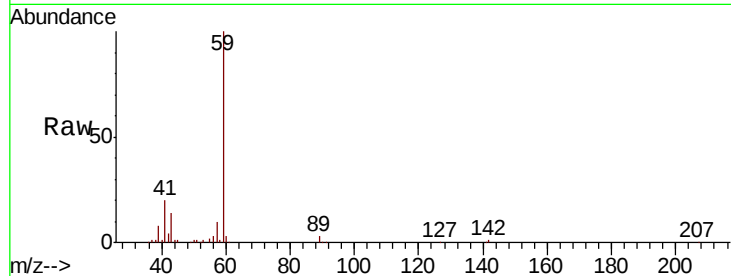
Tert butyl alcohol
Concen: 232.06 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	159375
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.2

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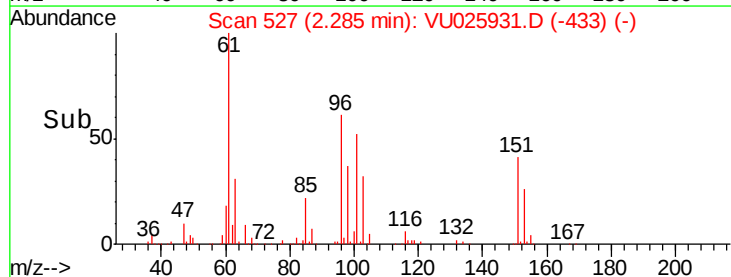
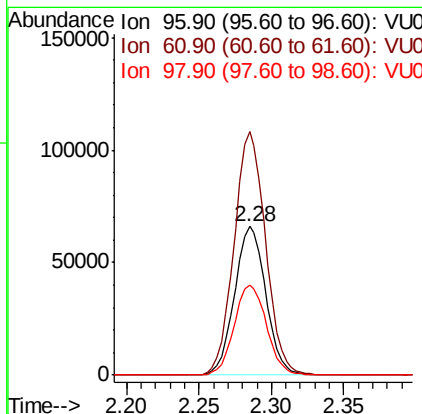
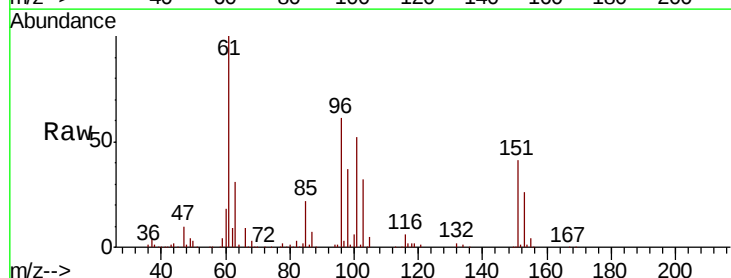
apatel
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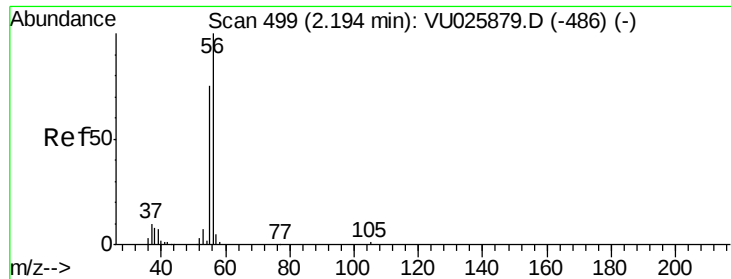


#12

1,1-Dichloroethene
Concen: 45.39 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	96	Resp	98120
Ion Ratio	100	Lower	Upper
61	164.4	140.2	210.4
98	61.0	49.3	73.9





#13

Acrolein

Concen: 372.84 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tot Ion: 56 Resp: 92483

Ion Ratio Lower Upper

56 100

55 71.0 57.2 85.8

Instrument :

MSVOA_U

ClientSampleId :

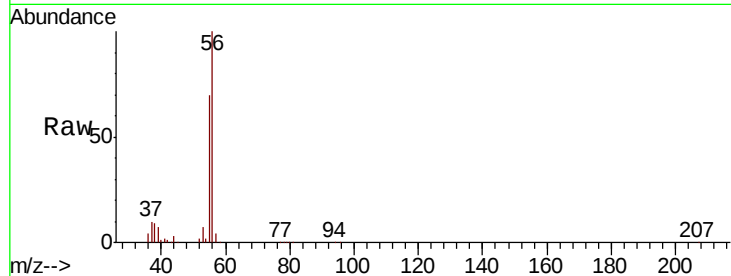
VSTDCCC050EC

Manual Integrations

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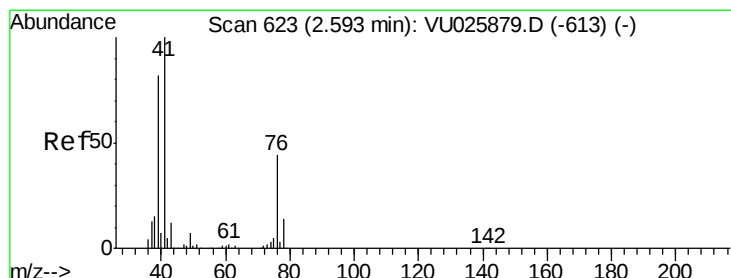
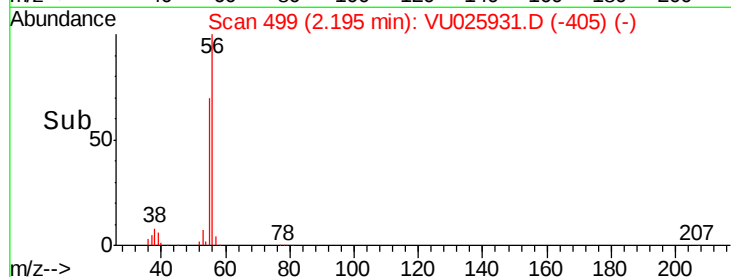
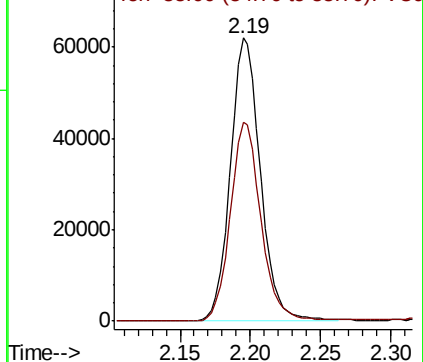
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.55 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

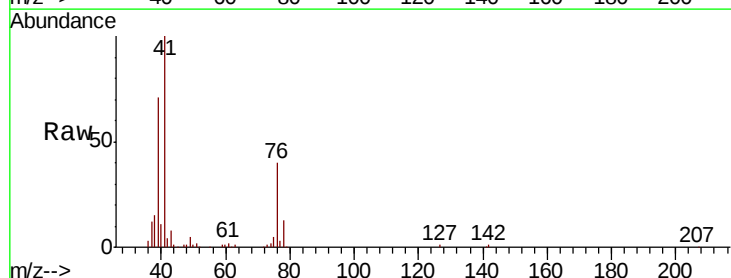
Tgt Ion: 41 Resp: 165307

Ion Ratio Lower Upper

41 100

39 70.5 60.6 91.0

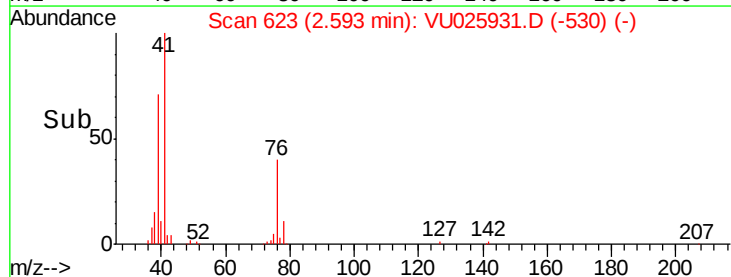
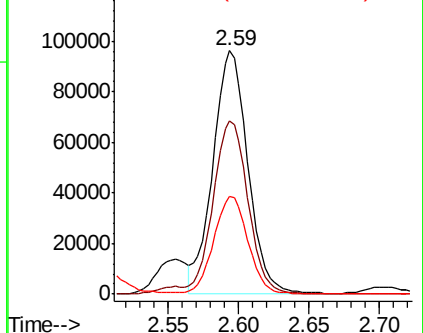
76 39.5 30.5 45.7

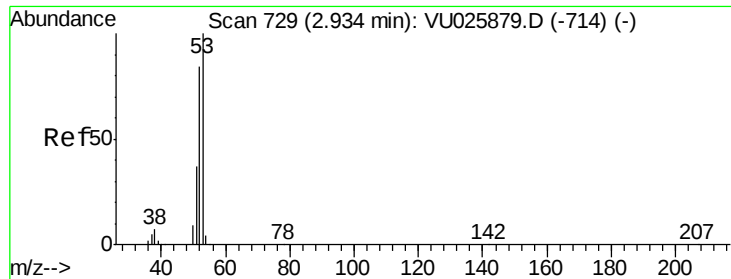


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





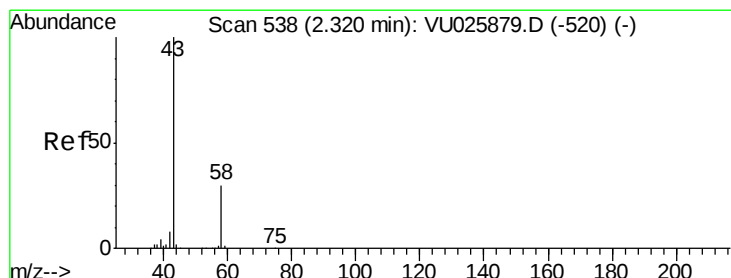
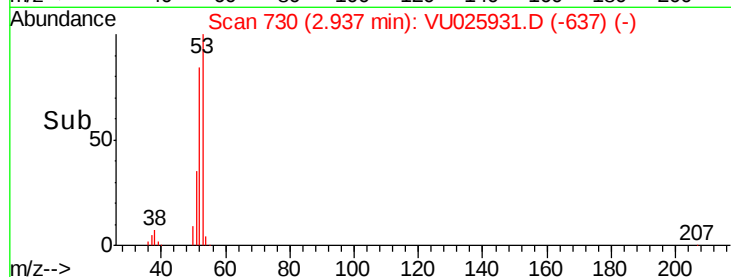
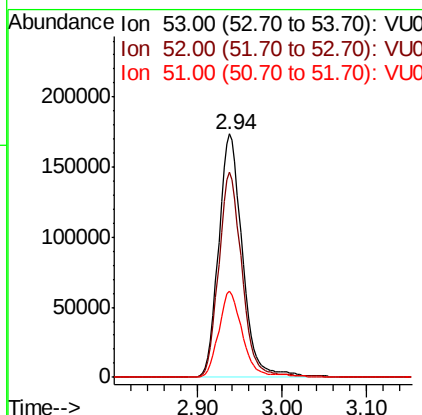
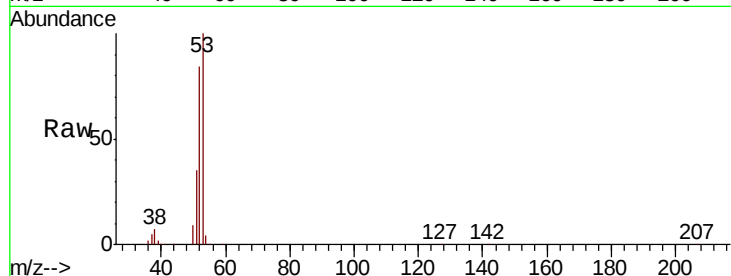
#15
 Acrylonitrile
 Concen: 248.87 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	341247
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	35.8	29.4	44.2

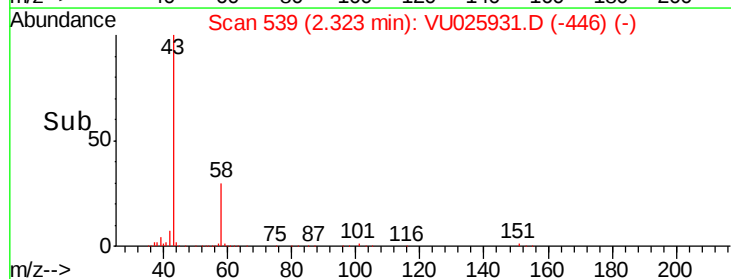
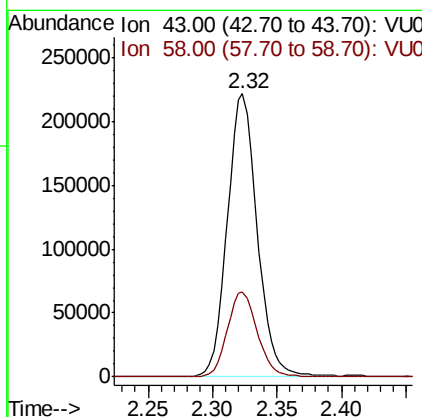
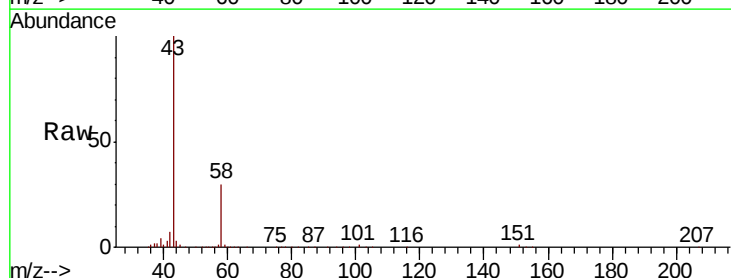
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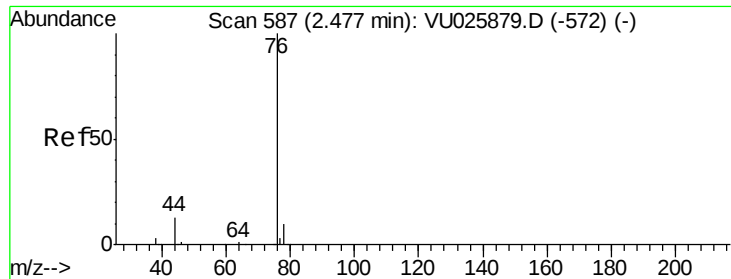
apatel
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#16
 Acetone
 Concen: 231.15 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion:	43	Resp:	353507
Ion Ratio	Lower	Upper	
43	100		
58	29.9	23.1	34.7





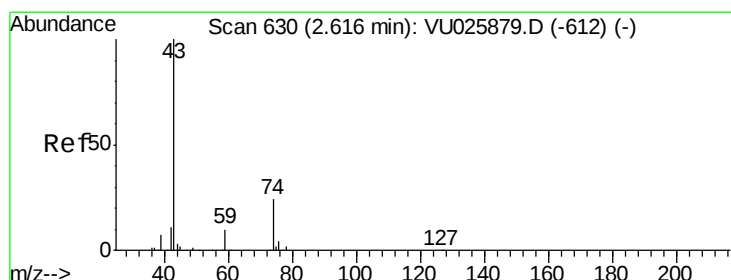
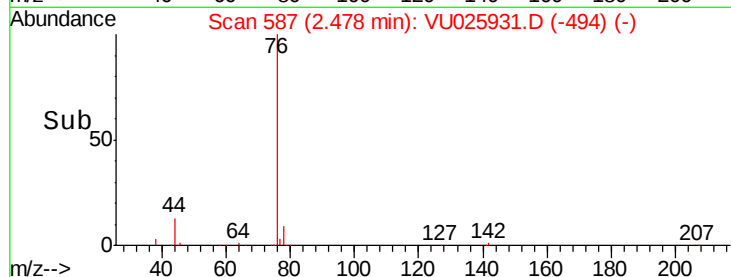
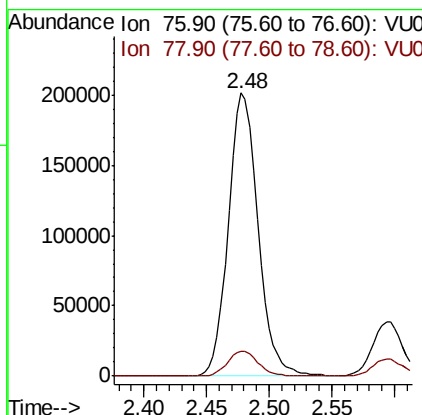
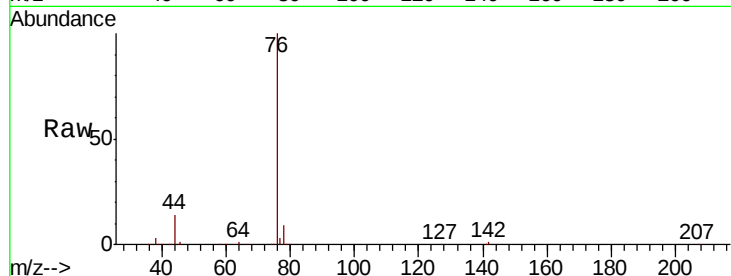
#17
Carbon Disulfide
Concen: 47.38 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

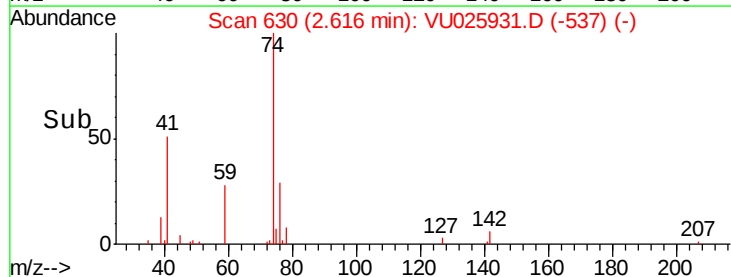
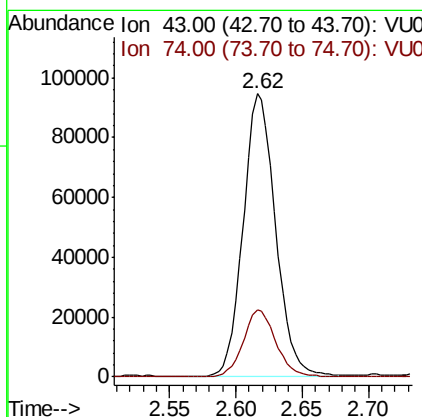
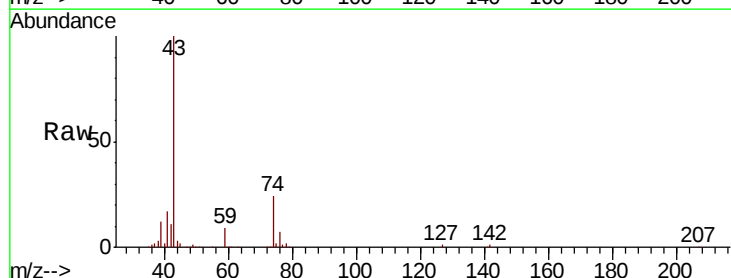
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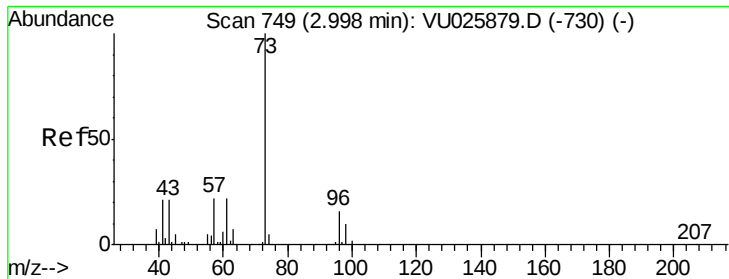
apatel
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#18
Methyl Acetate
Concen: 43.35 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





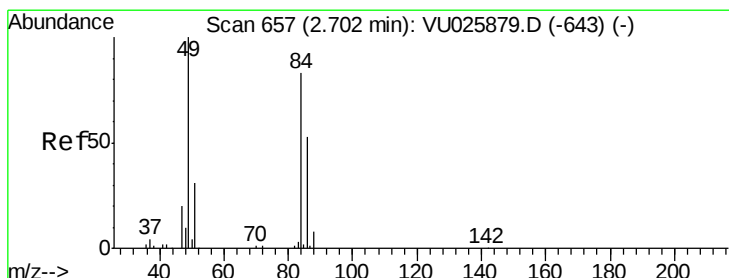
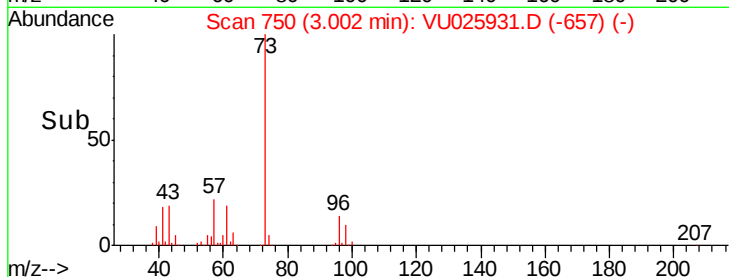
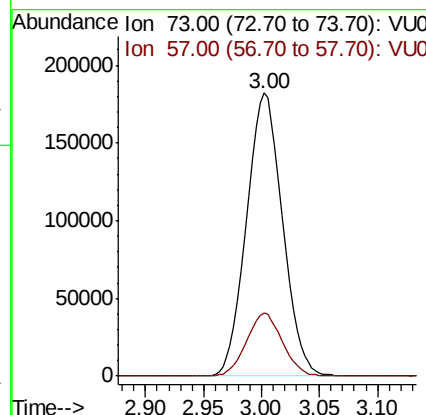
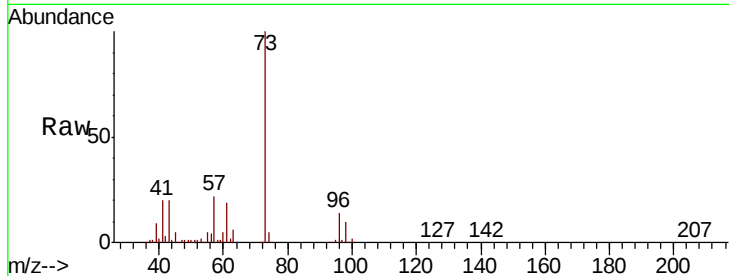
#19
Methvl tert-butvl Ether
Concen: 50.50 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

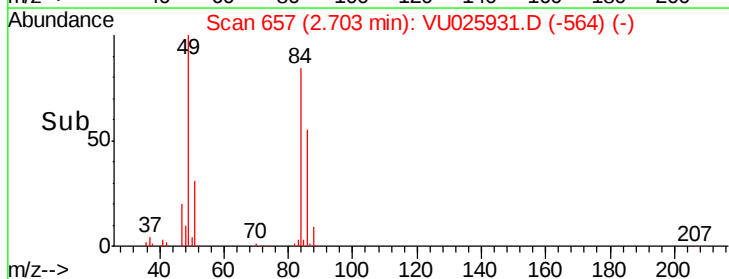
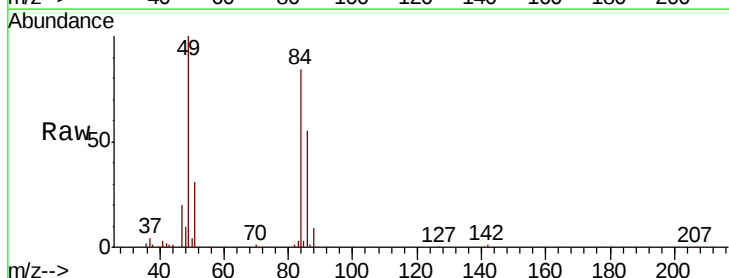
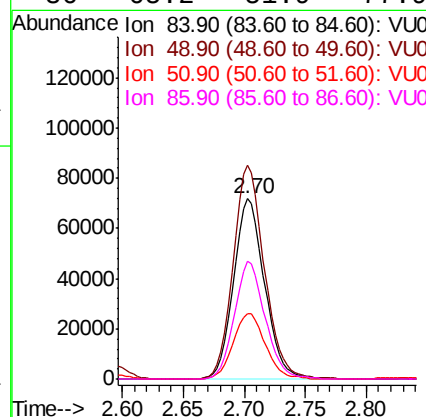
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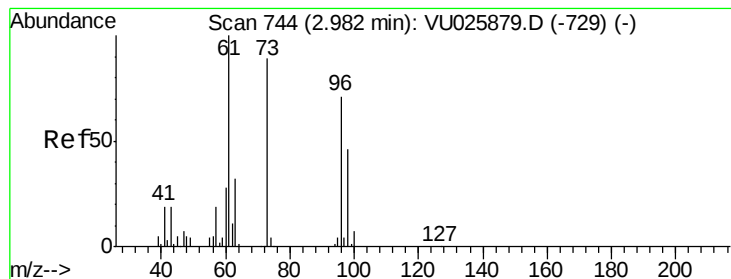
apatel
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#20
Methylene Chloride
Concen: 47.12 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.6	101.8	152.6
51	36.6	30.8	46.2
86	65.2	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 48.78 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 121899

Ion Ratio Lower Upper

96 100

61 138.2 114.5 171.7

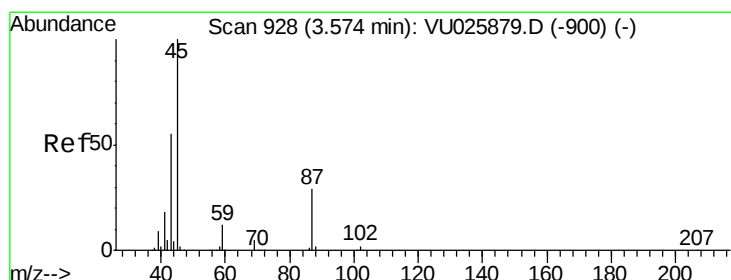
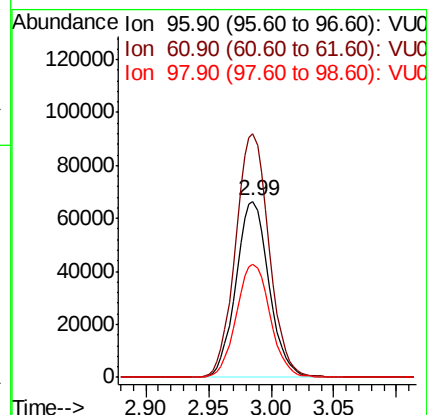
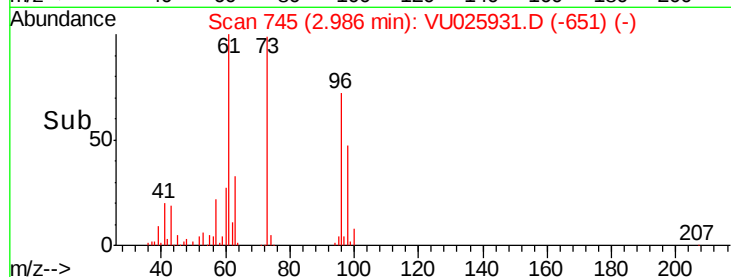
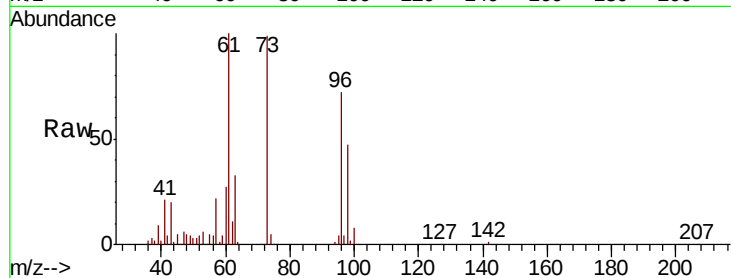
98 64.5 50.5 75.7

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#22

Diisopropyl ether

Concen: 50.59 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion: 45 Resp: 387254

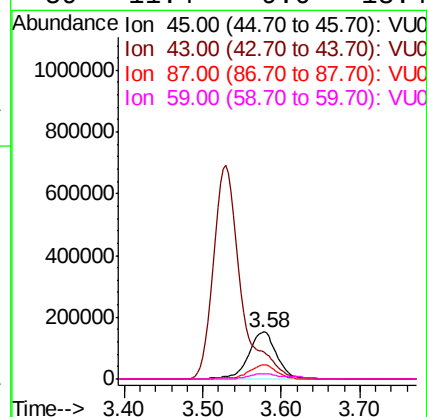
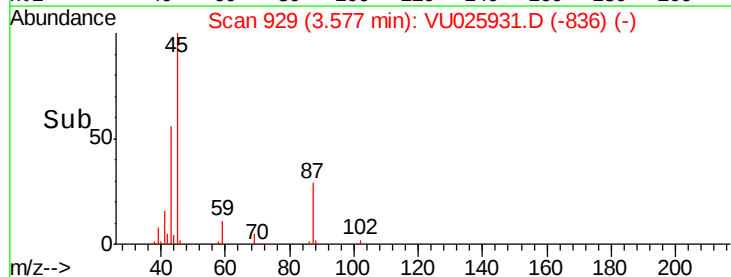
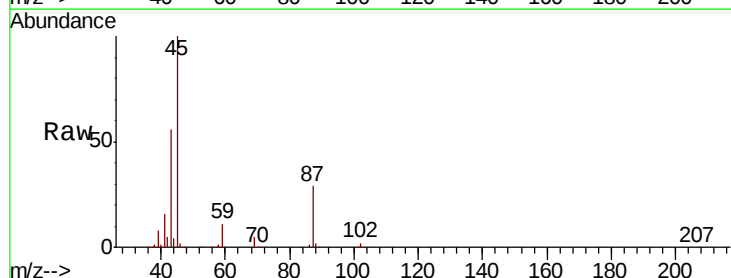
Ion Ratio Lower Upper

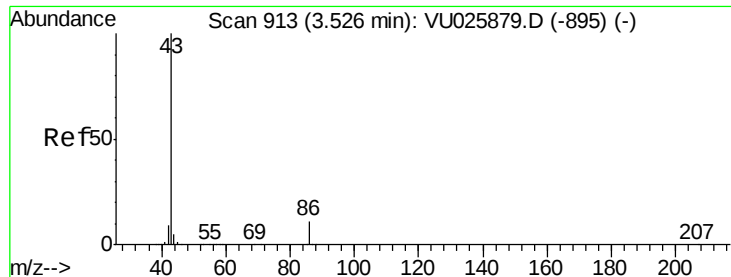
45 100

43 55.0 50.9 76.3

87 29.4 23.8 35.8

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 248.81 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1659850

Ion Ratio Lower Upper

43 100

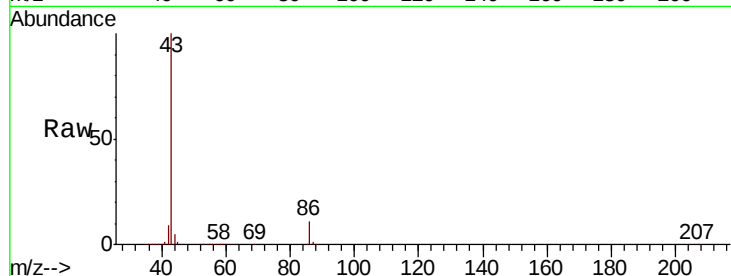
86 10.7 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

800000

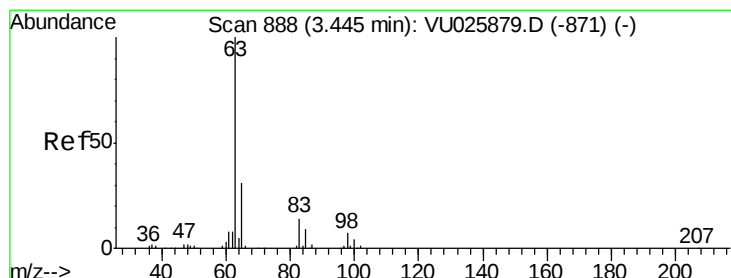
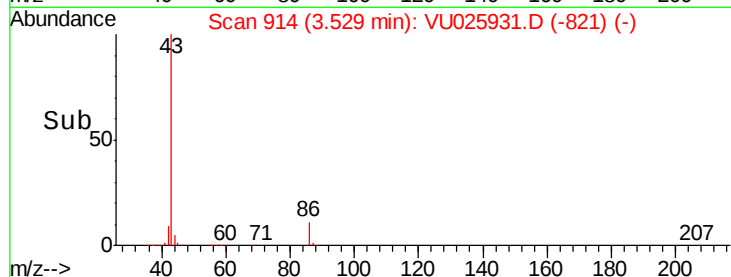
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.94 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

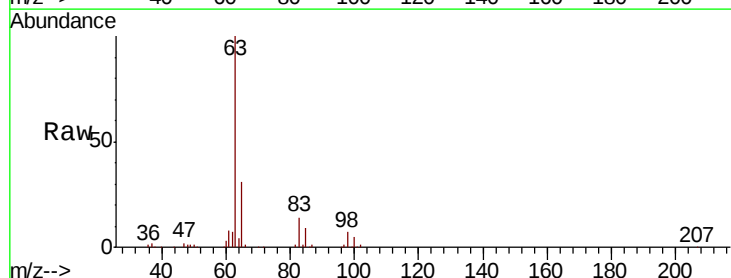
Tgt Ion: 63 Resp: 224879

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

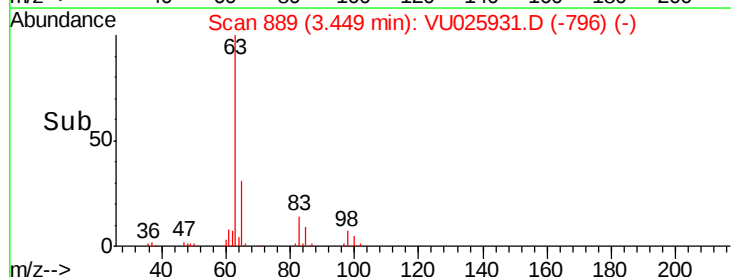
3.45

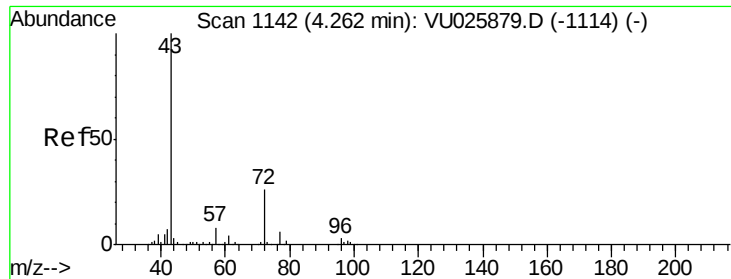
100000

50000

0

Time-->





#25

2-Butanone

Concen: 287.55 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 598645

Ion Ratio Lower Upper

43 100

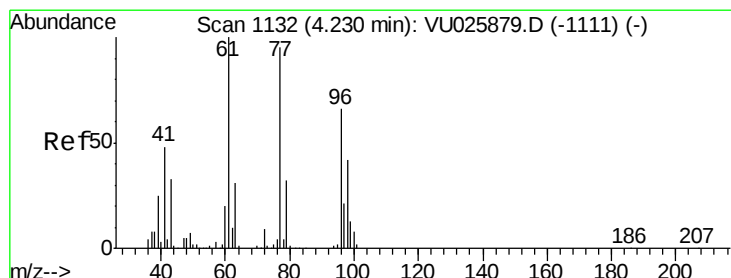
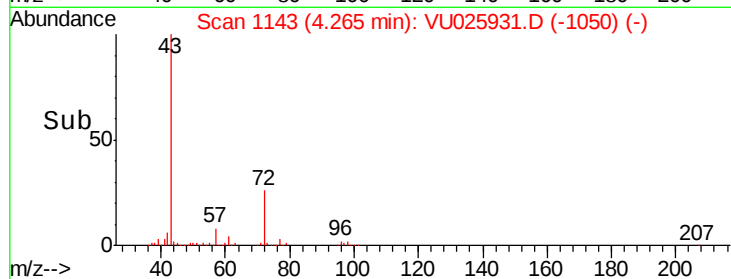
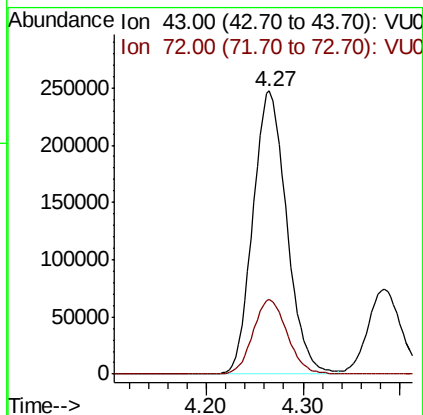
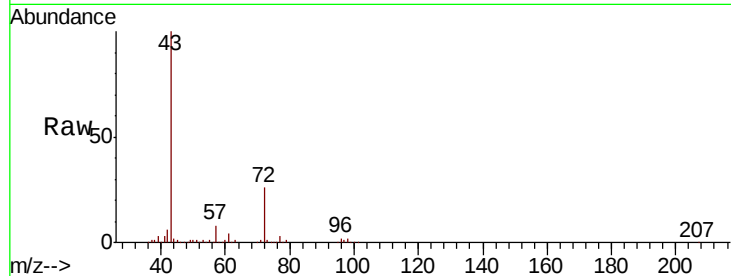
72 26.2 21.0 31.4

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 22.80 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025931.D

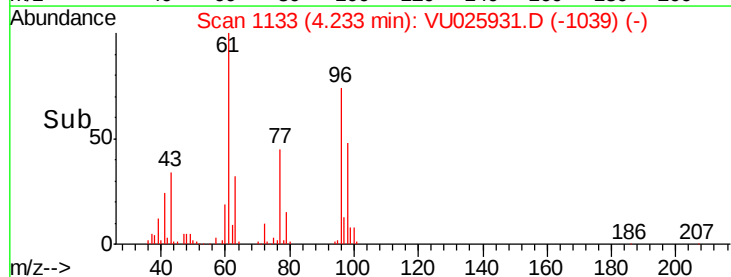
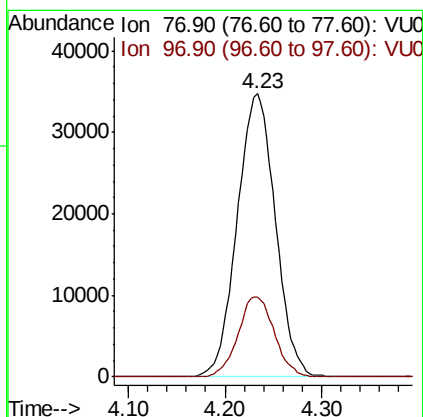
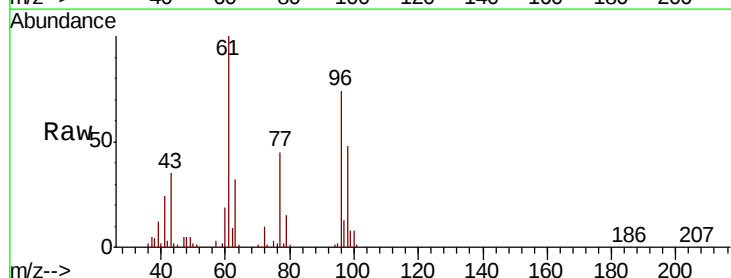
Acq: 07 Aug 2018 09:41

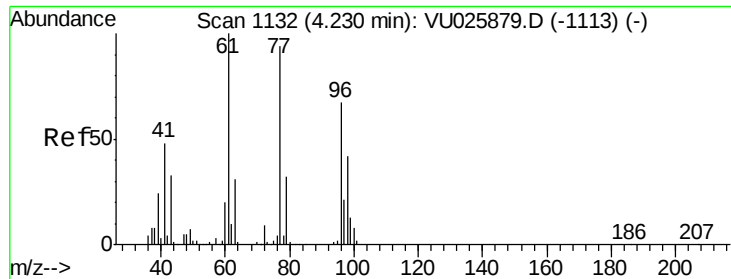
Tgt Ion: 77 Resp: 95249

Ion Ratio Lower Upper

77 100

97 26.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.97 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

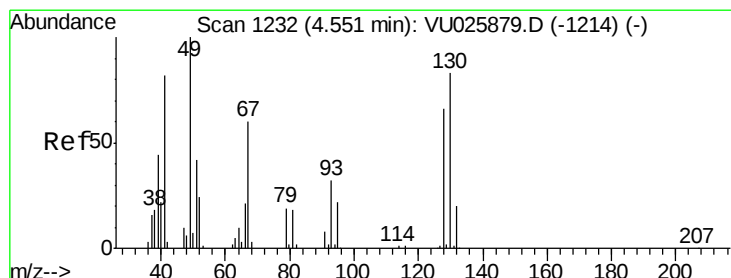
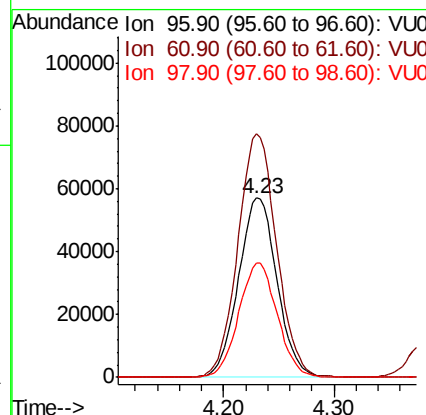
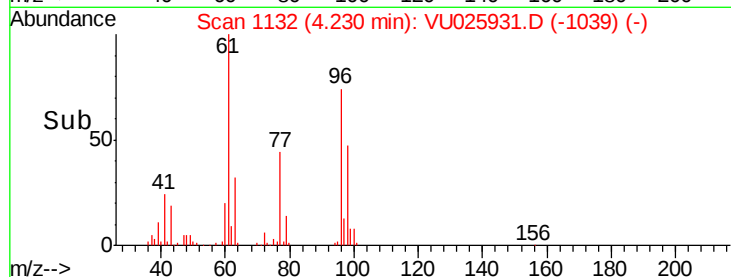
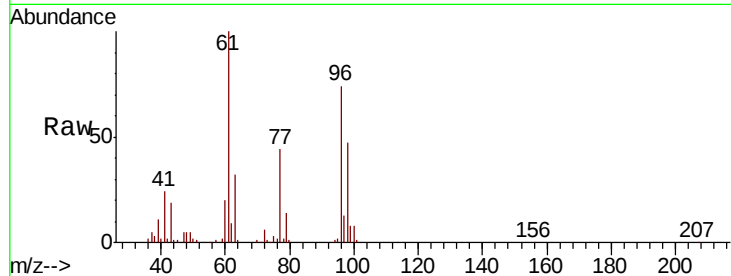
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	137956
Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	299.8
98	63.9	0.0	128.6

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#28

Bromochloromethane

Concen: 48.30 ug/l

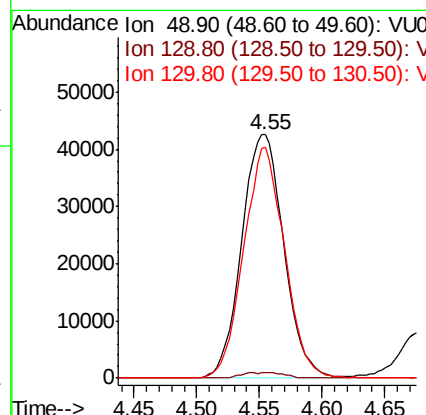
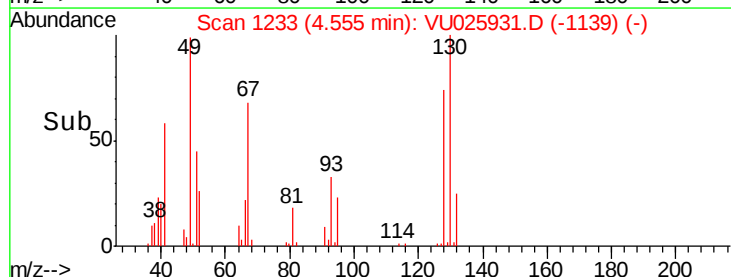
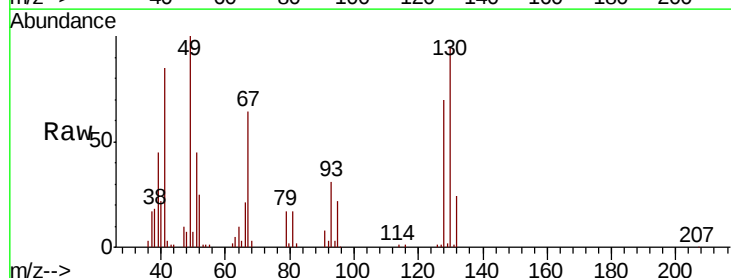
RT: 4.55 min Scan# 1233

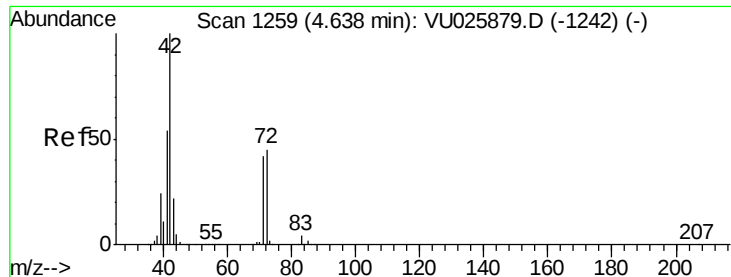
Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion:	49	Resp:	99234
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	92.2	68.6	102.8





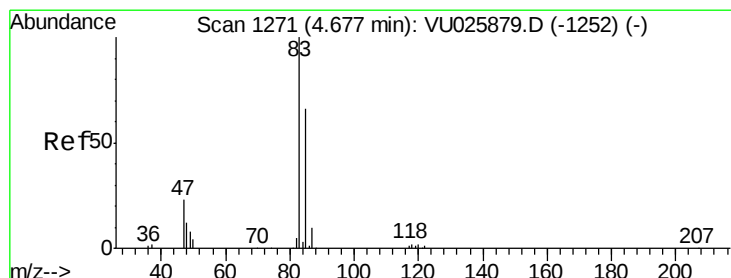
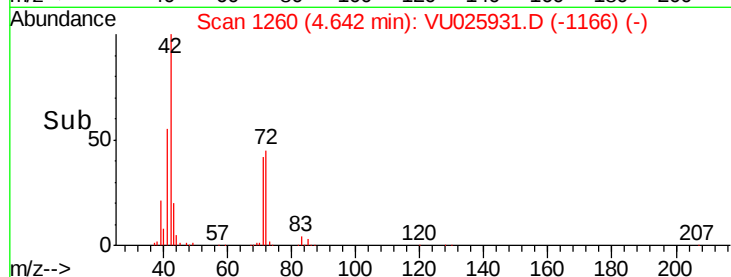
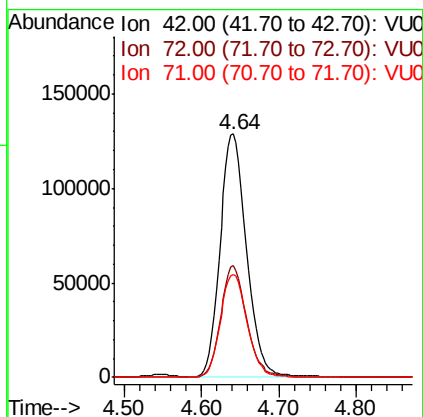
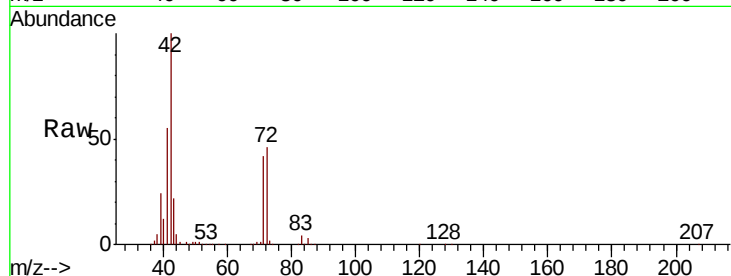
#29
Tetrahydrofuran
Concen: 245.37 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.7	55.1
71	42.5	33.9	50.9

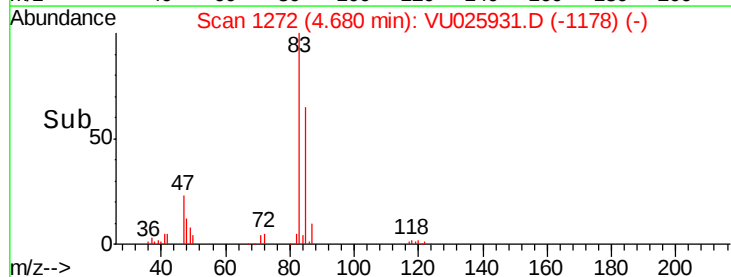
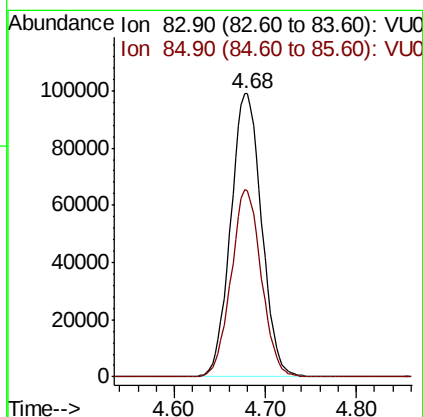
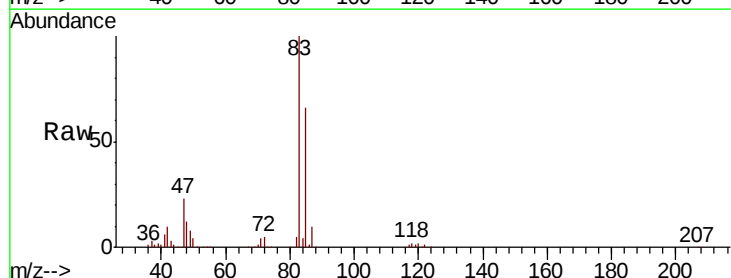
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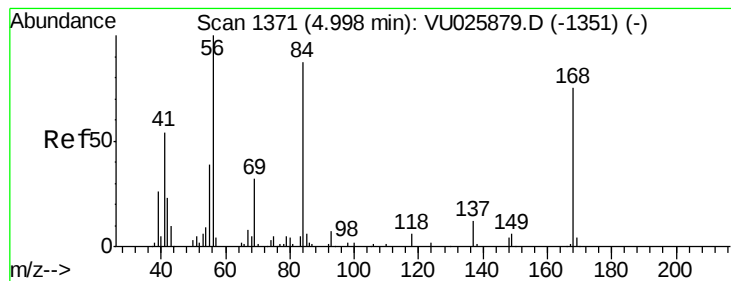
apatel
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#30
Chloroform
Concen: 48.13 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 50.19 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

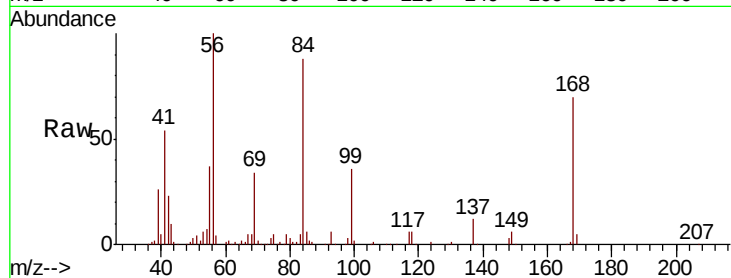
ClientSampleId :

VSTDCCC050EC

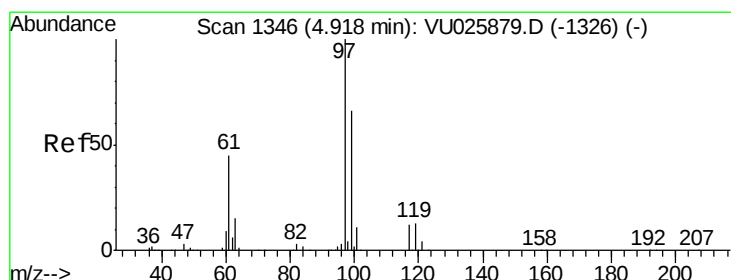
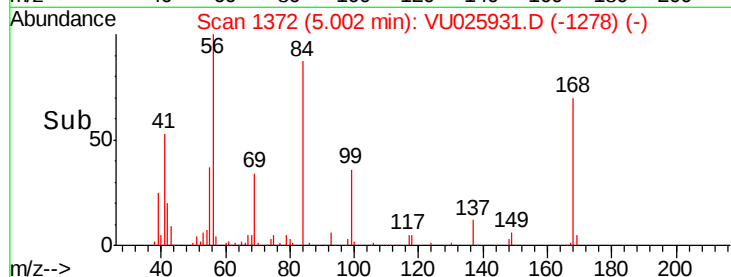
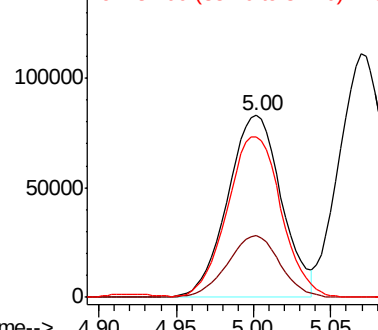
Tot Ion:	56	Resp:	200590
Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.8	40.2
84	87.6	69.7	104.5

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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 49.11 ug/l

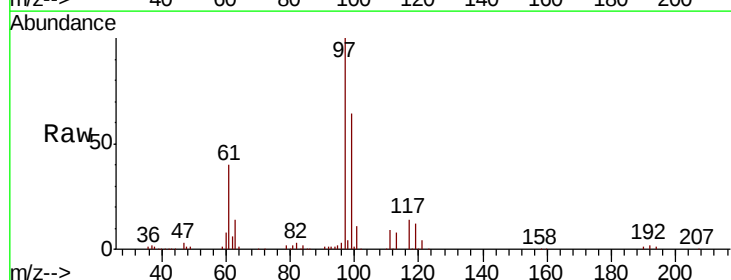
RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

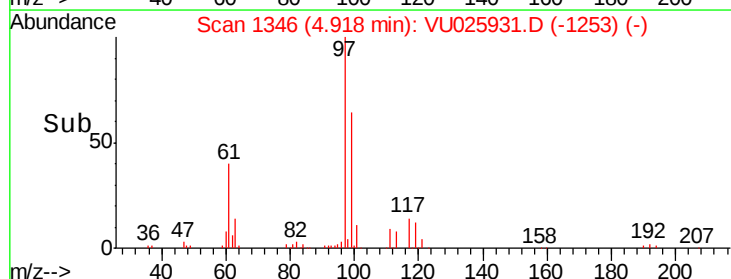
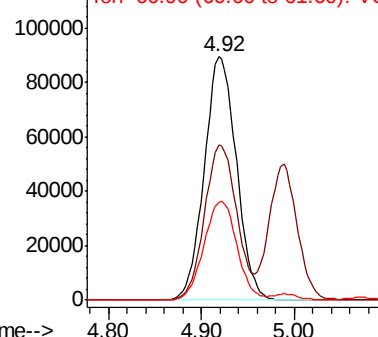
Lab File: VU025931.D

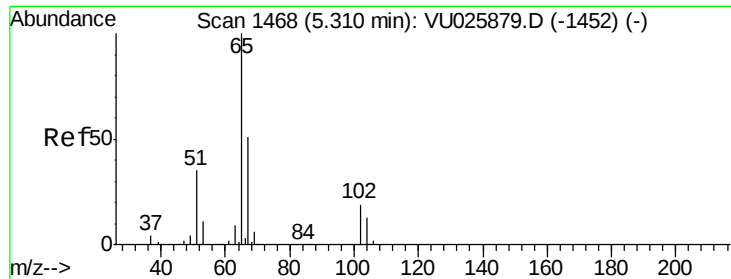
Acq: 07 Aug 2018 09:41

Tgt Ion:	97	Resp:	214448
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	41.8	35.2	52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





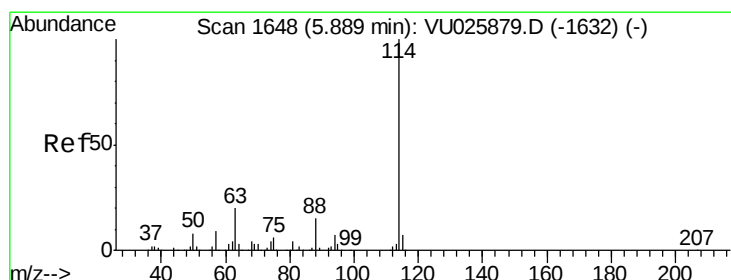
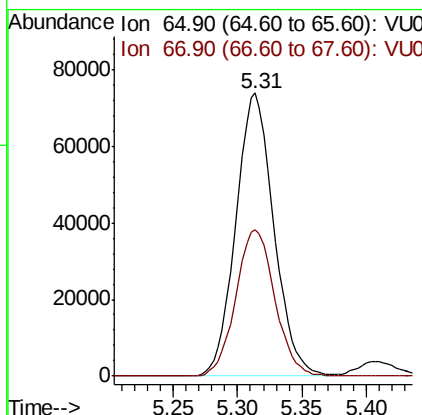
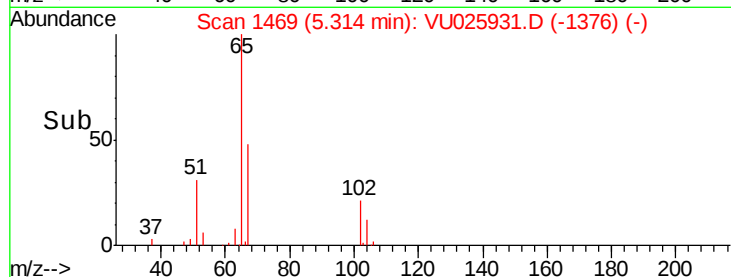
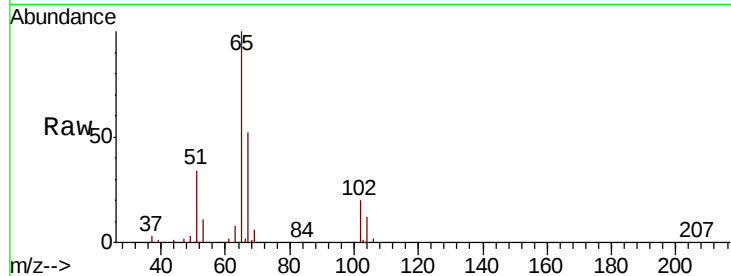
#33
 1,2-Dichloroethane-d4
 Concen: 48.30 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151512		
67	53.0	0.0	103.6	

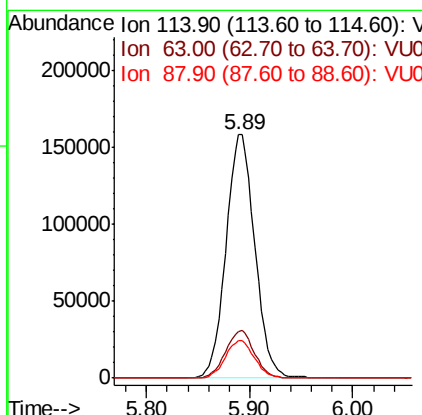
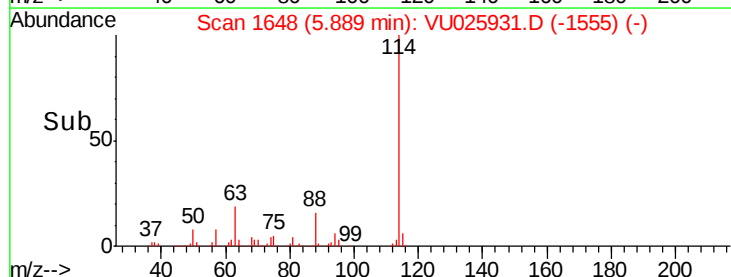
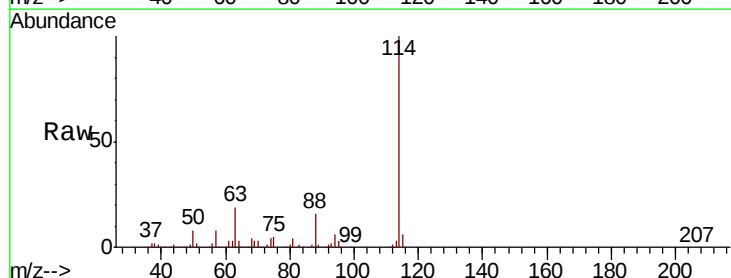
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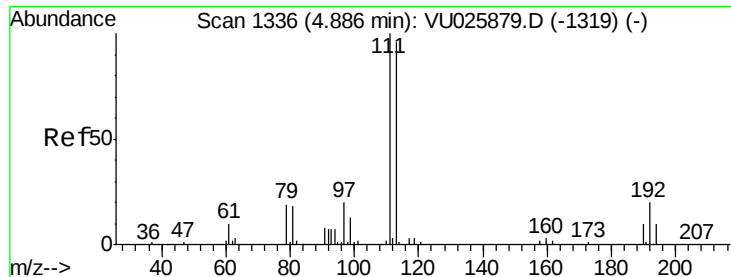
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307744		
63	19.2	0.0	41.6	
88	15.5	0.0	32.4	





#35

Dibromofluoromethane

Concen: 47.51 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

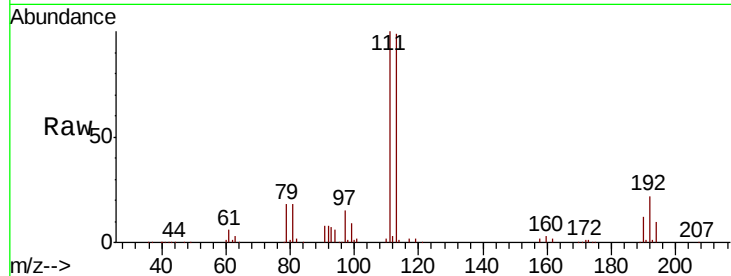
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	127179
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	22.2	17.1	25.7

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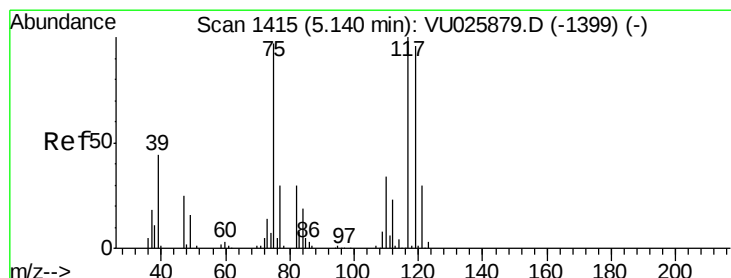
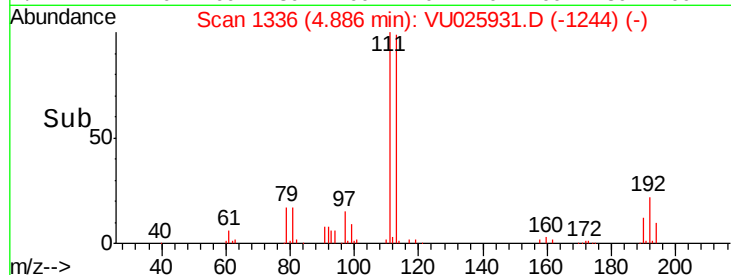
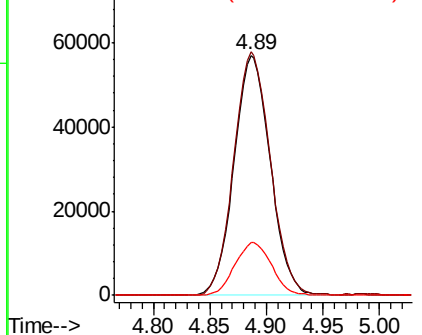


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.25 ug/l

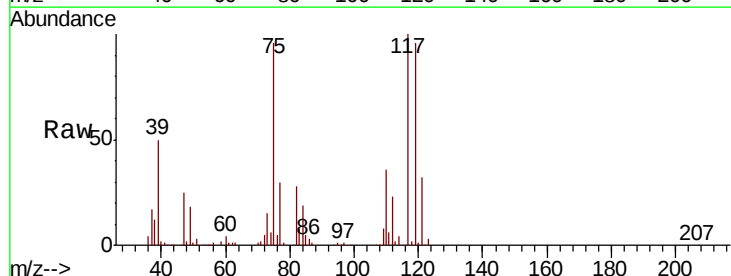
RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion:	75	Resp:	173526
Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.6	52.9
77	31.9	24.4	36.6

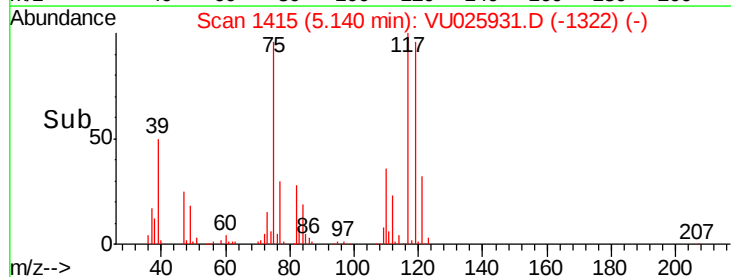
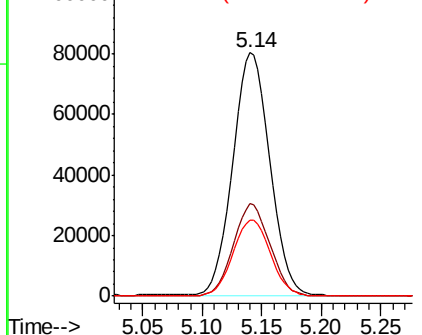


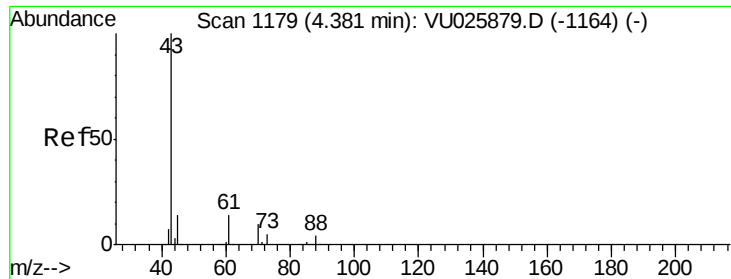
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





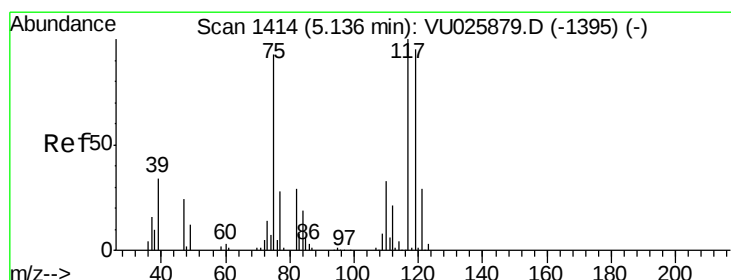
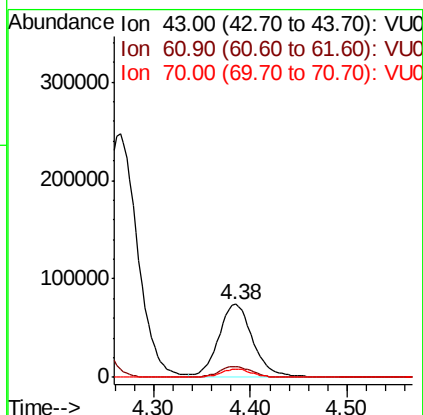
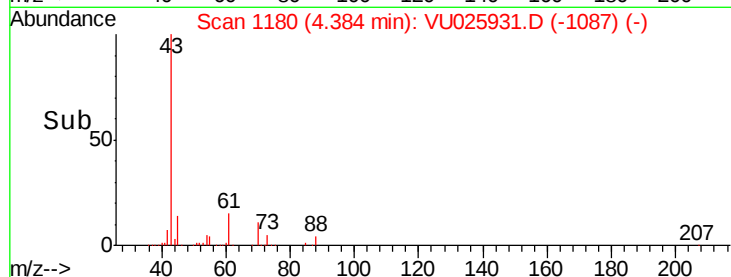
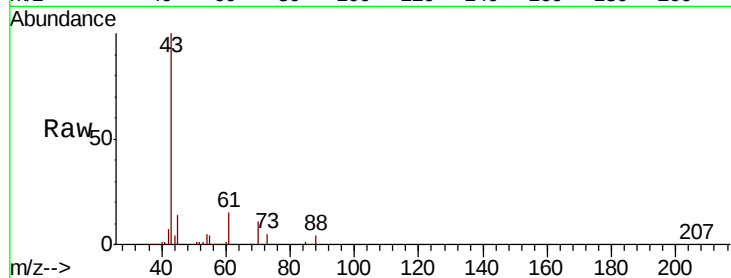
#37
Ethyl Acetate
Concen: 48.30 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.5	8.4	12.6

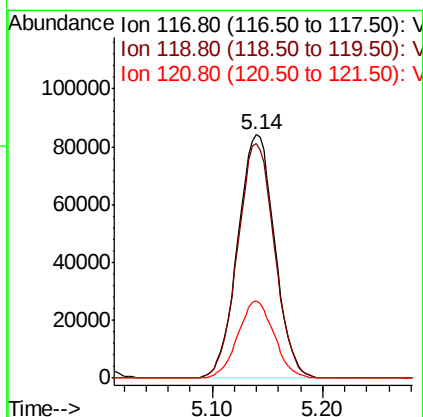
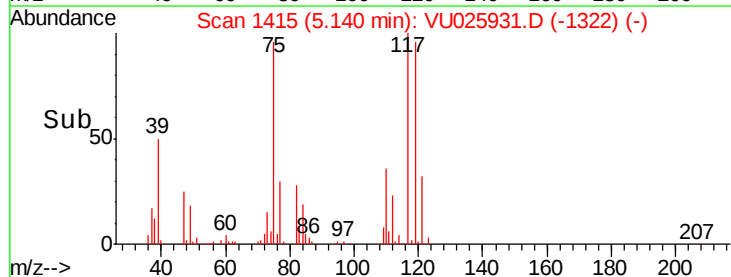
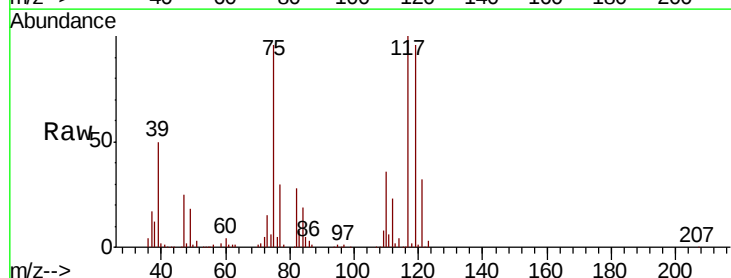
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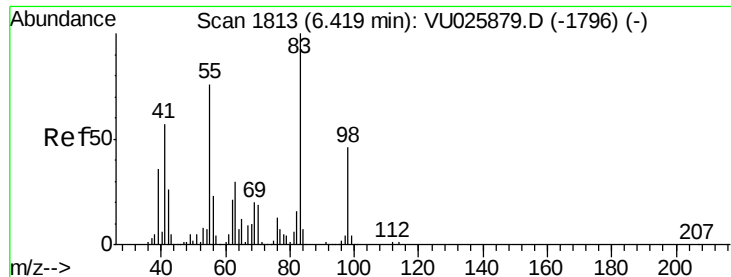
apatel
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#38
Carbon Tetrachloride
Concen: 47.98 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.7	113.5
121	31.5	24.6	36.8





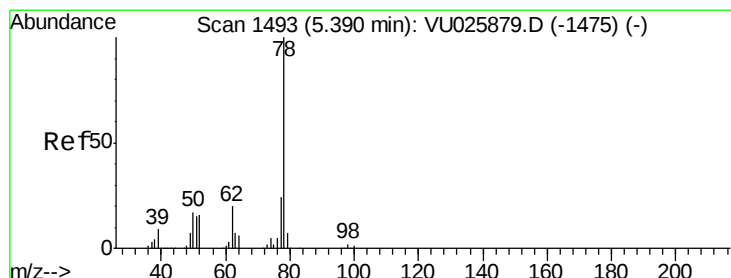
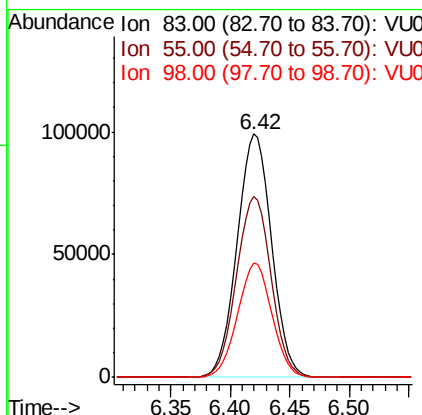
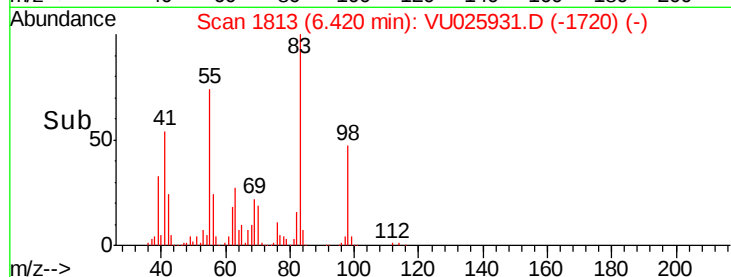
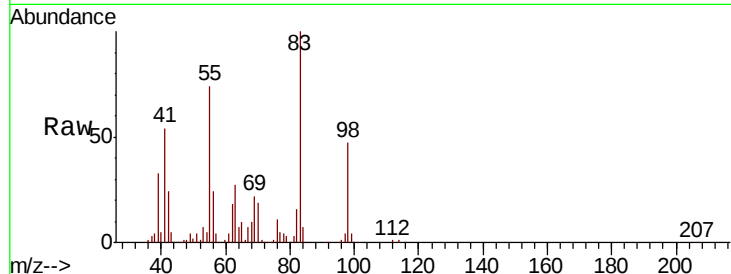
#39
Methvlcvclohexane
Concen: 48.40 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199449		
55	74.2	60.0	90.0	
98	46.7	36.1	54.1	

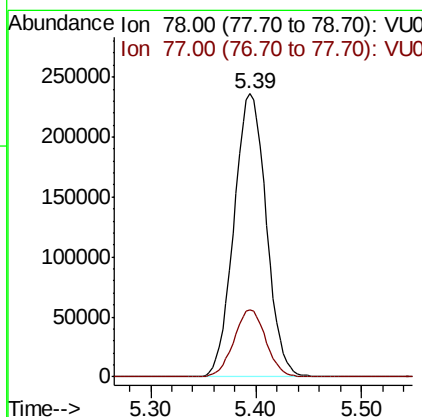
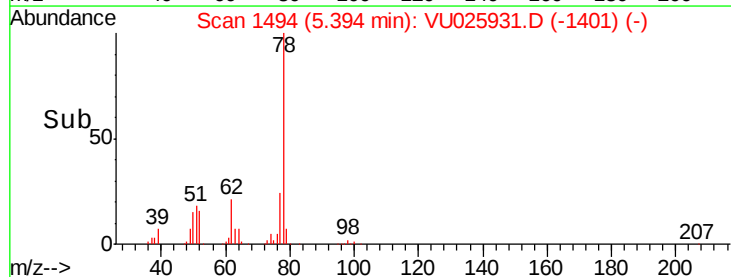
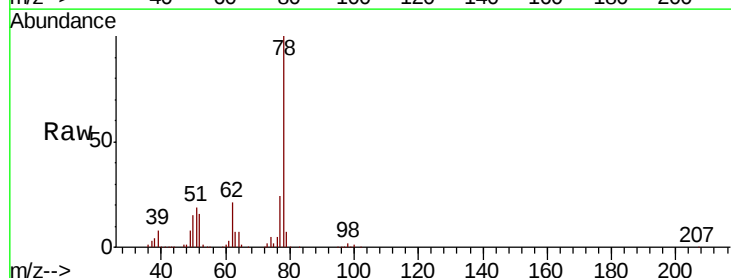
Manual Integrations
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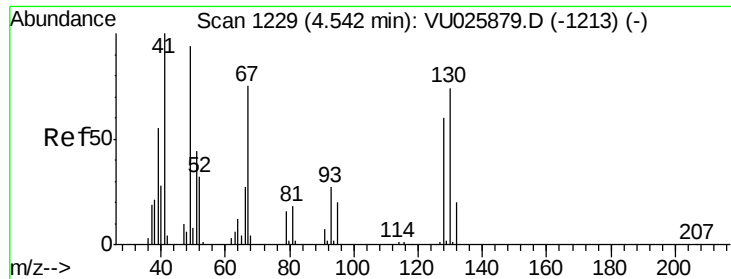
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#40
Benzene
Concen: 47.76 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	502082		
77	23.8	19.8	29.6	





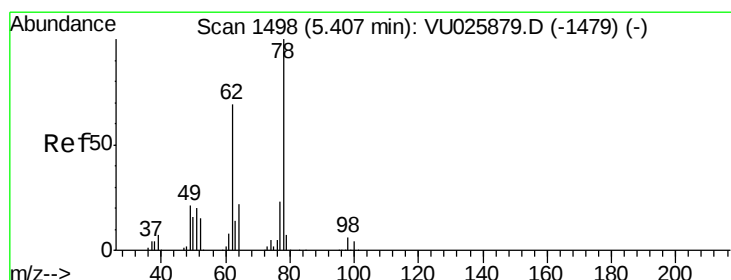
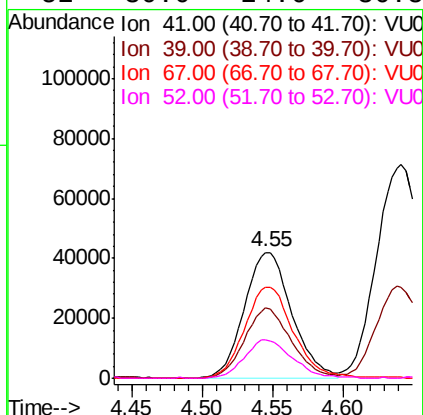
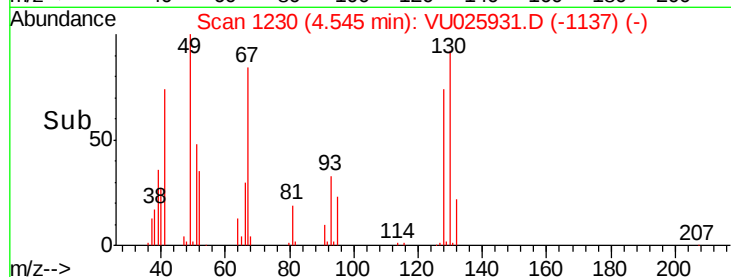
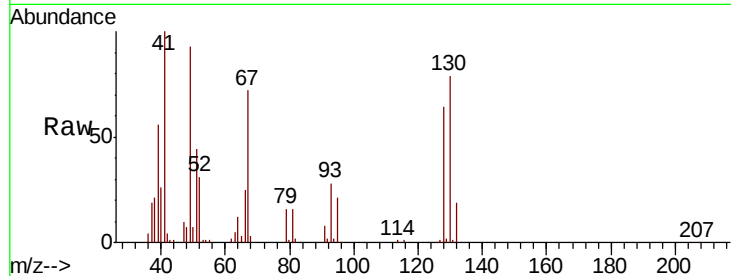
#41
Methacrylonitrile
Concen: 47.71 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	44.4	66.6	
67	74.7	56.0	84.0	
52	30.0	24.6	36.8	

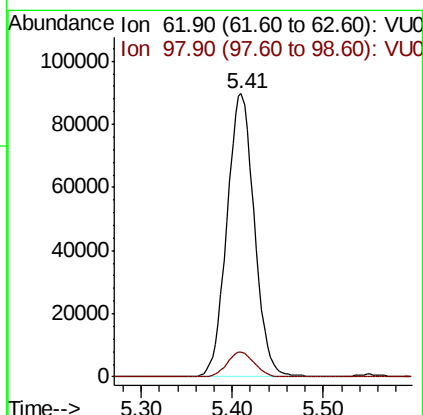
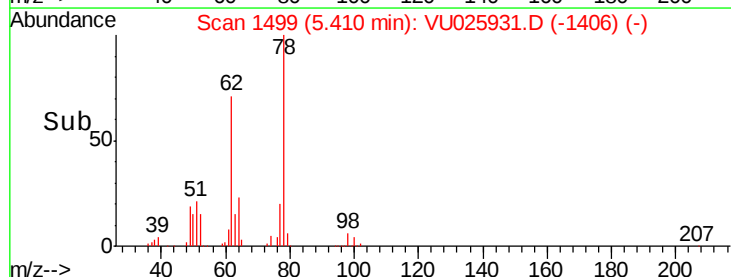
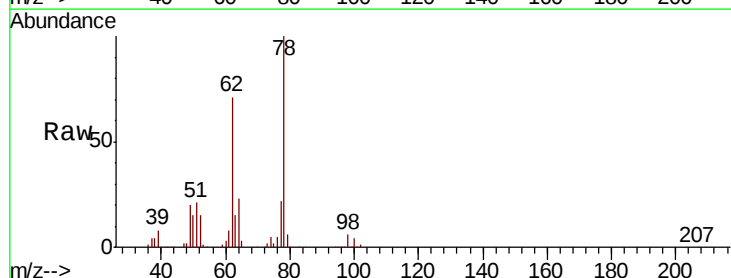
Manual Integrations
APPROVED

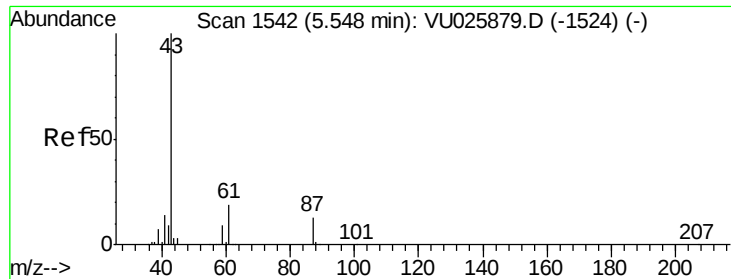
apatel
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#42
1,2-Dichloroethane
Concen: 46.41 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.4	





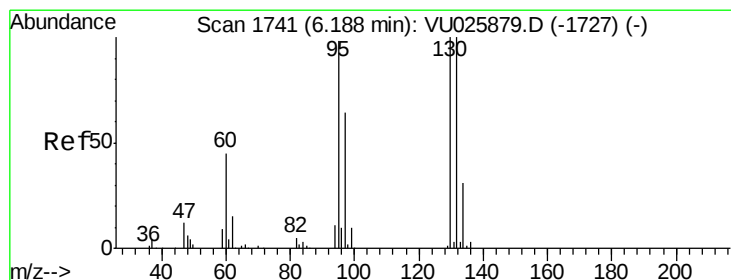
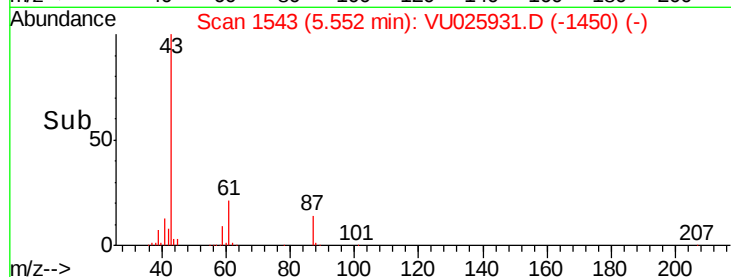
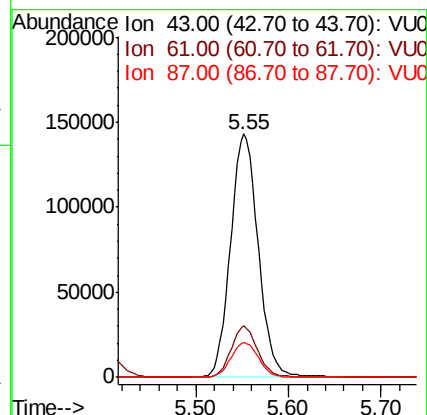
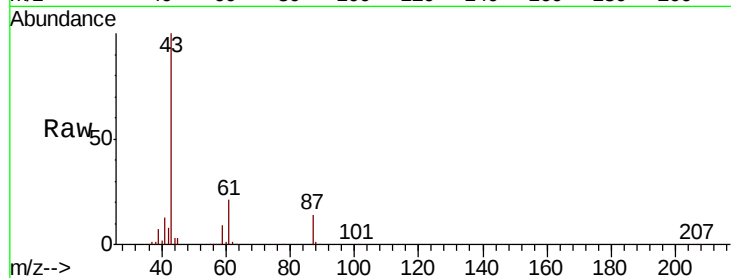
#43
Isopropyl Acetate
Concen: 47.90 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	295155		
61	20.3		15.5	23.3
87	14.3		10.6	16.0

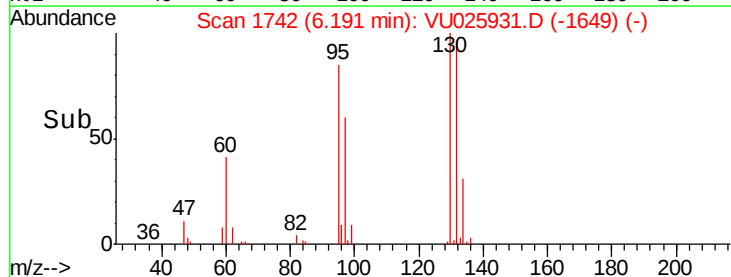
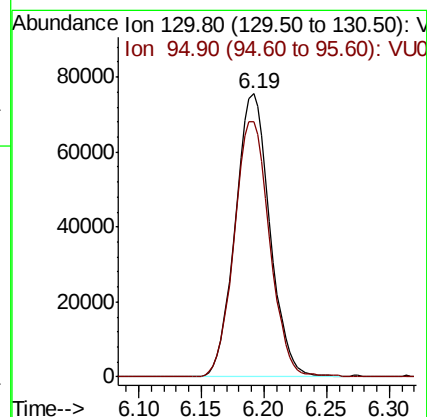
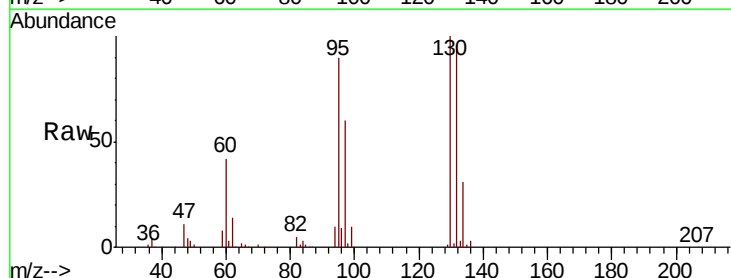
Manual Integrations
APPROVED

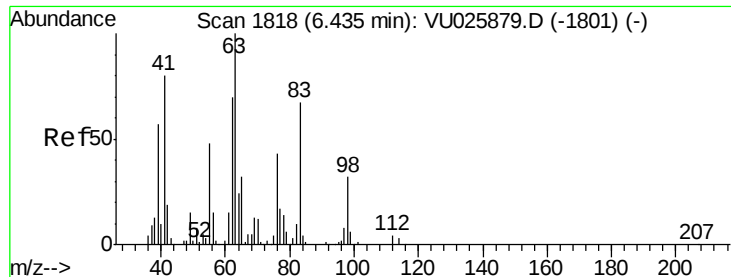
apatel
8/7/2018 2:24:48 PM



#44
Trichloroethene
Concen: 49.49 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	144889		
95	90.4		0.0	192.2





#45

1,2-Dichloropropane

Concen: 48.28 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 132377

Ion Ratio Lower Upper

63 100

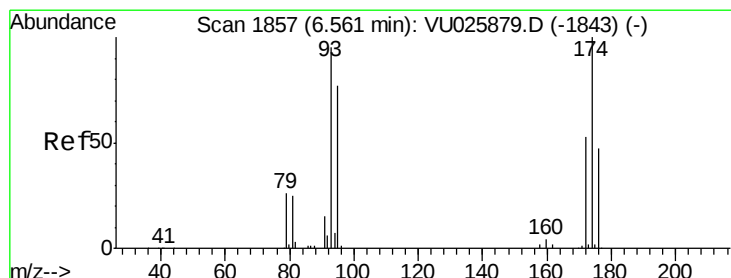
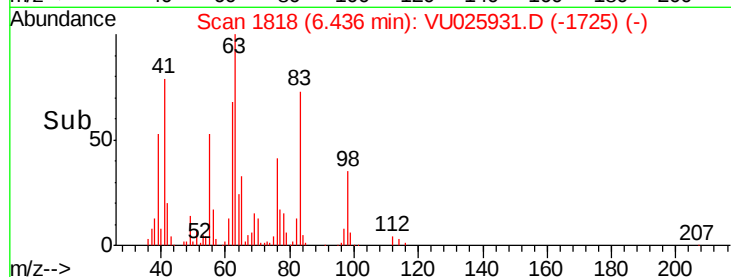
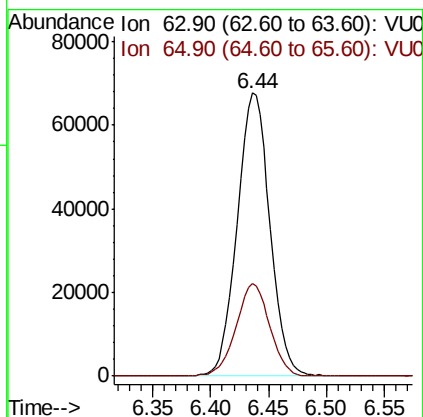
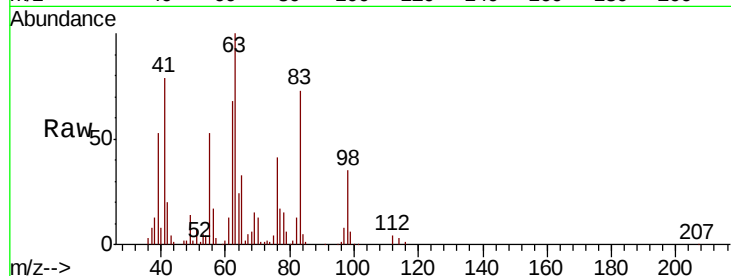
65 32.7 26.1 39.1

Manual Integrations

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#46

Dibromomethane

Concen: 47.43 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

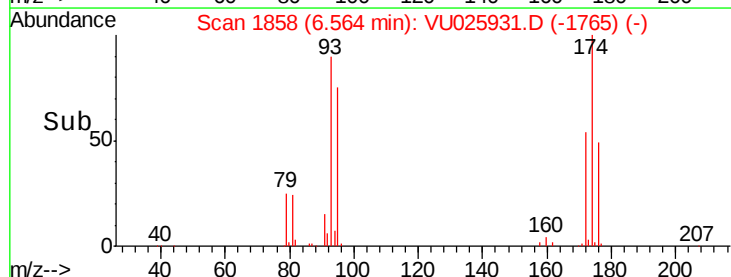
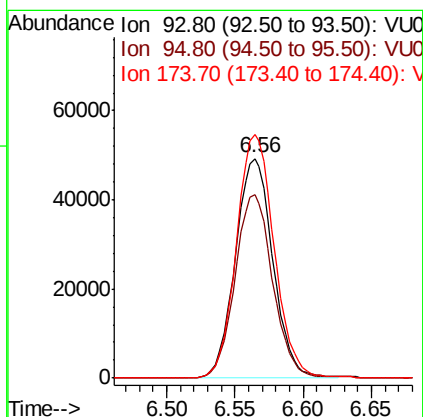
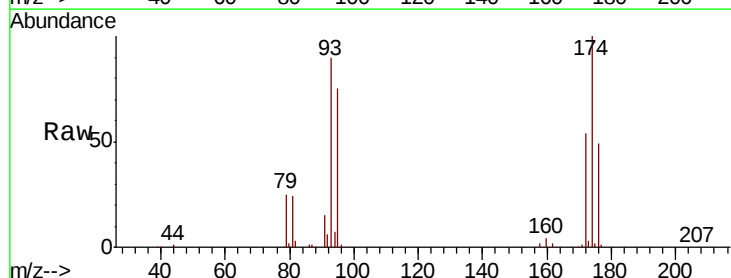
Tgt Ion: 93 Resp: 94232

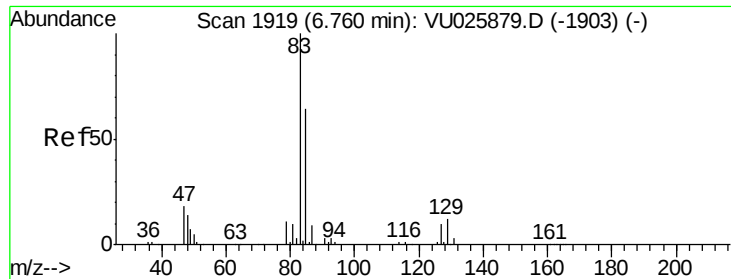
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 111.7 85.8 128.8





#47

Bromodichloromethane

Concen: 48.12 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

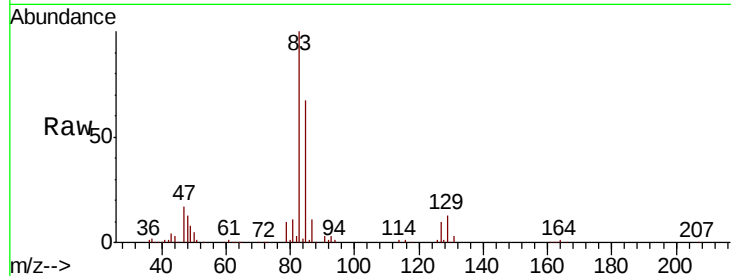
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182337
Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
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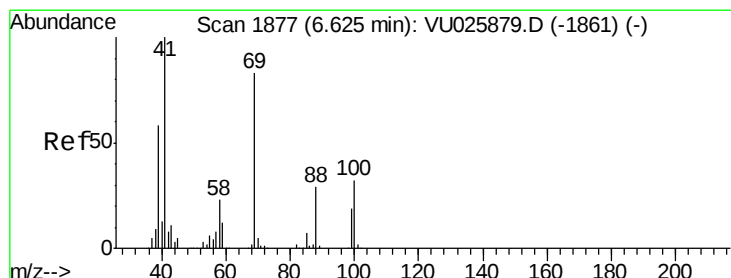
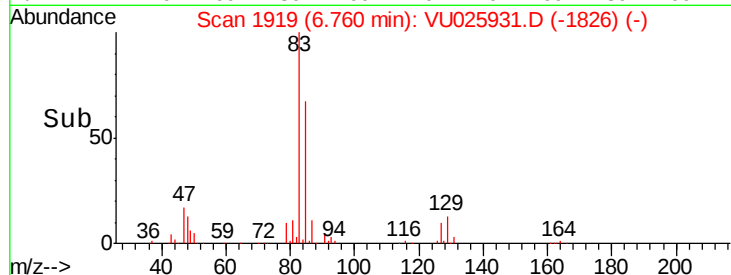
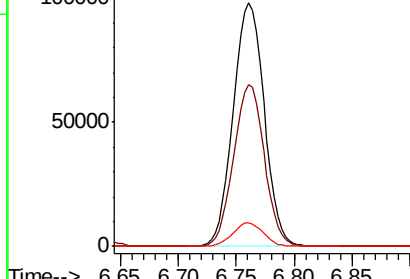
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Abundance Ion 82.90 (82.60 to 83.60): VU025879.D (-1903) (-)

Ion 84.90 (84.60 to 85.60): VU025879.D (-1903) (-)

Ion 126.80 (126.50 to 127.50): VU025879.D (-1903) (-)



#48

Methyl methacrylate

Concen: 49.40 ug/l

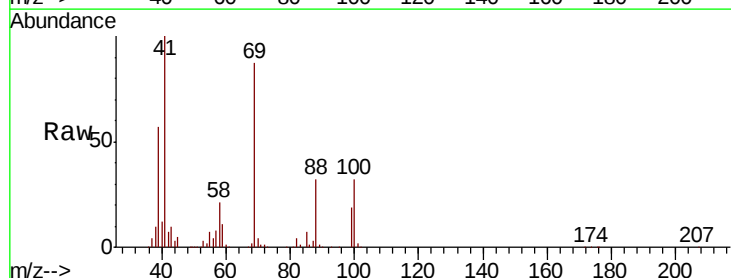
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

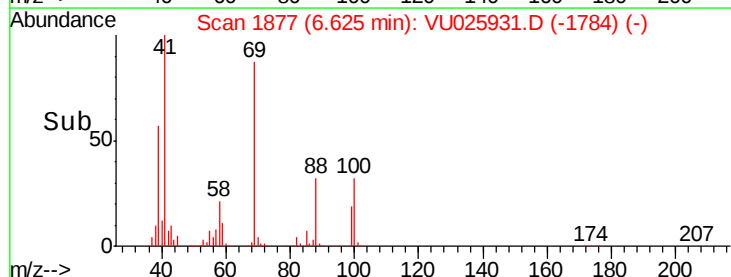
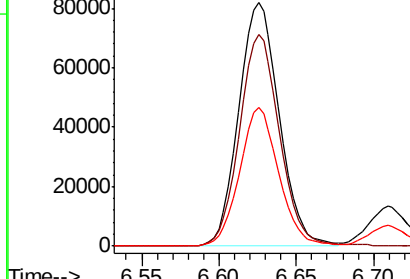
Tgt Ion:	41	Resp:	149207
Ion	Ratio	Lower	Upper
41	100		
69	86.2	65.0	97.4
39	55.1	46.4	69.6

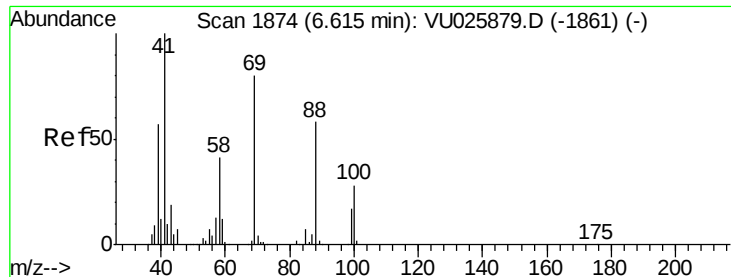


Abundance Ion 41.00 (40.70 to 41.70): VU025879.D (-1861) (-)

Ion 69.00 (68.70 to 69.70): VU025879.D (-1861) (-)

Ion 39.00 (38.70 to 39.70): VU025879.D (-1861) (-)





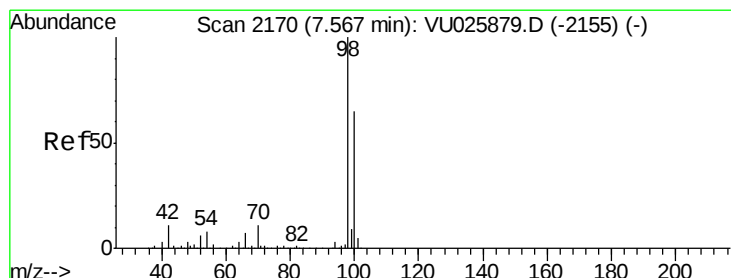
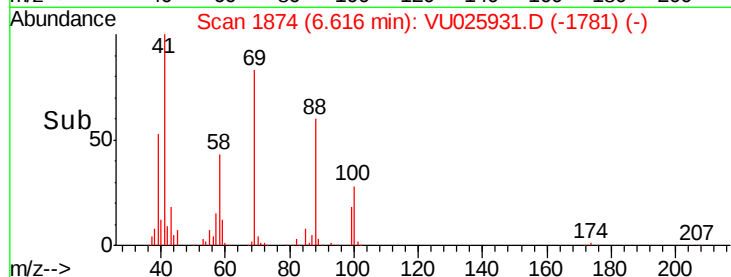
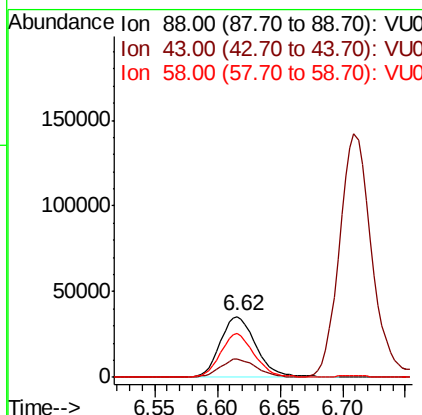
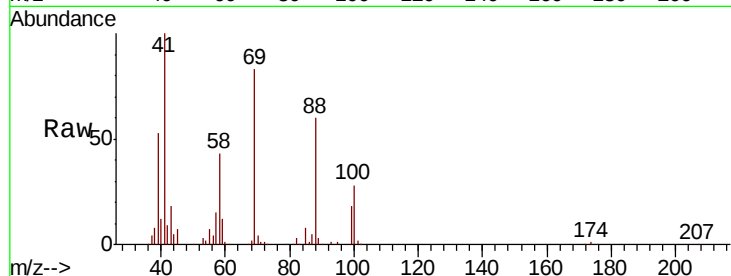
#49
 1,4-Dioxane
 Concen: 941.70 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	27.3	40.9
58	69.2	57.6	86.4

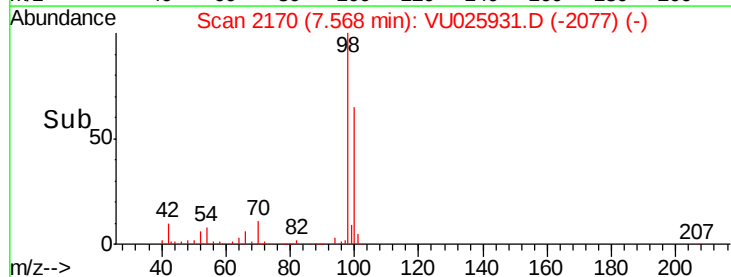
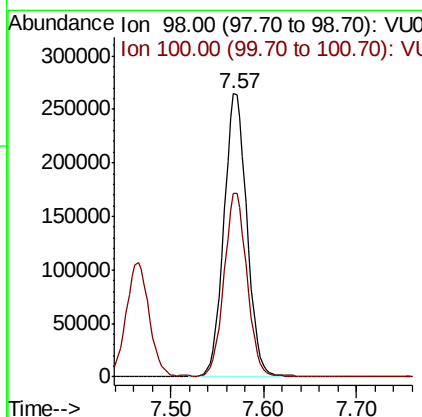
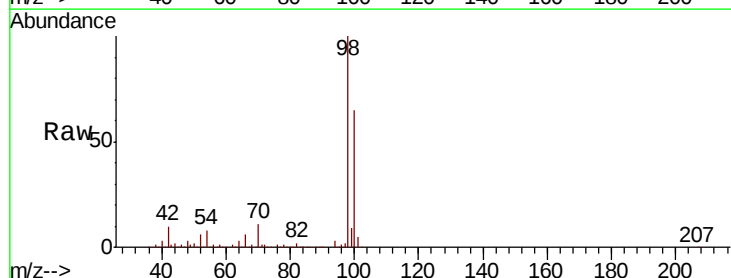
Manual Integrations
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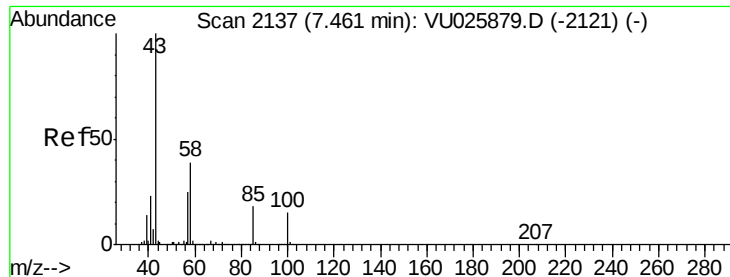
apatel
 8/7/2018 2:24:48 PM



#50
 Toluene-d8
 Concen: 48.71 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





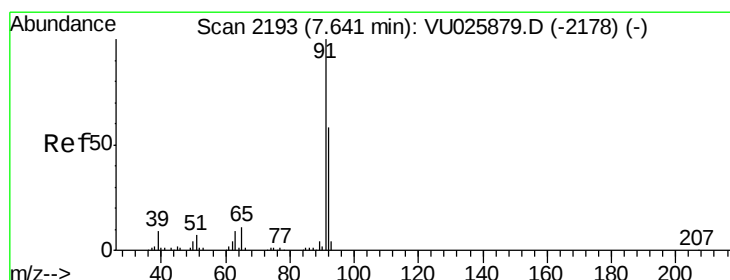
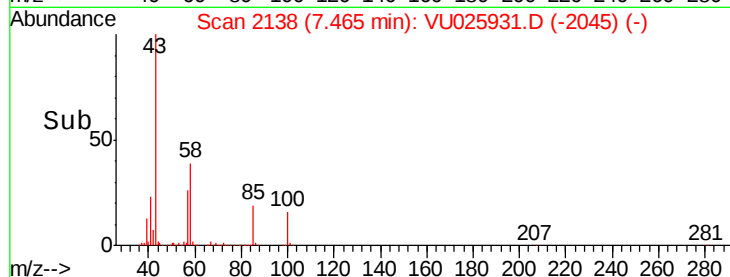
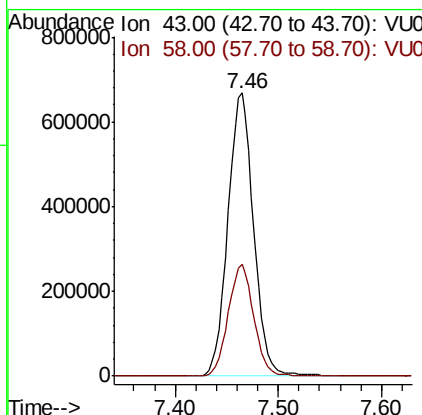
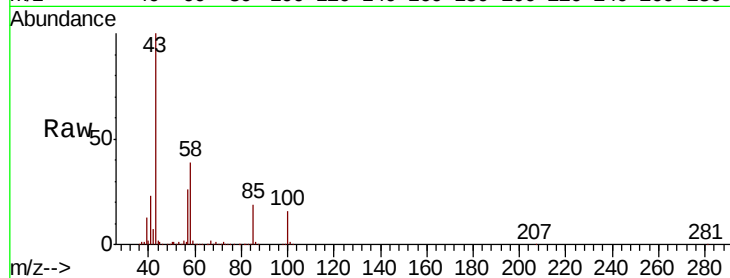
#51
4-Methyl-2-Pentanone
Concen: 300.91 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1160925
Ion Ratio Lower Upper
43 100
58 39.4 31.0 46.4

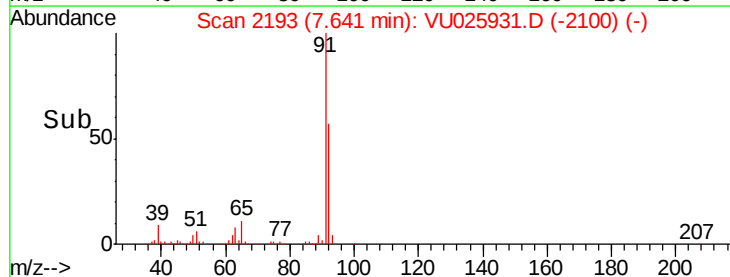
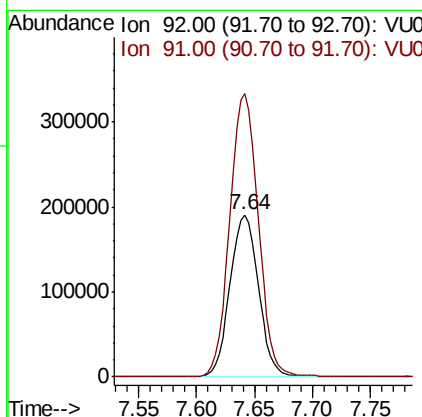
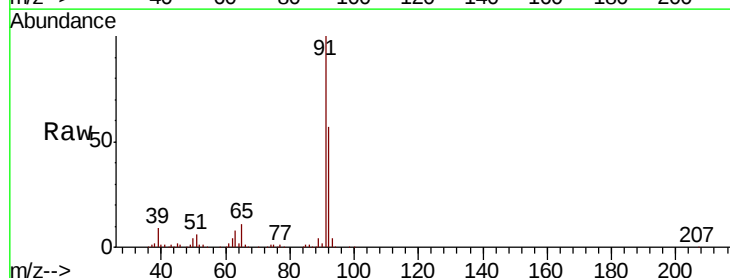
Manual Integrations
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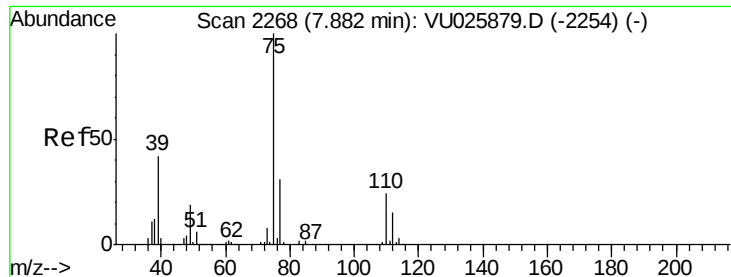
apatel
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#52
Toluene
Concen: 49.86 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion: 92 Resp: 325658
Ion Ratio Lower Upper
92 100
91 174.3 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 44.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 188929

Ion Ratio Lower Upper

75 100

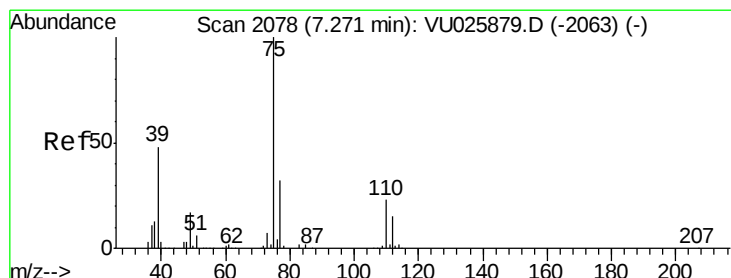
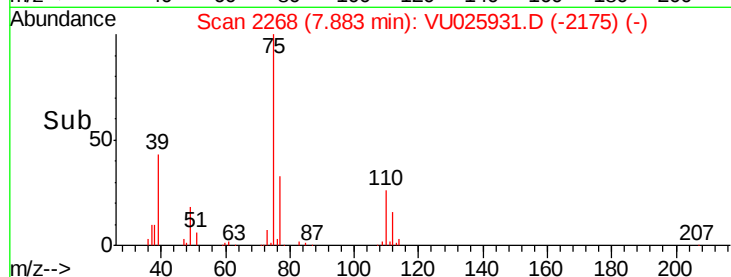
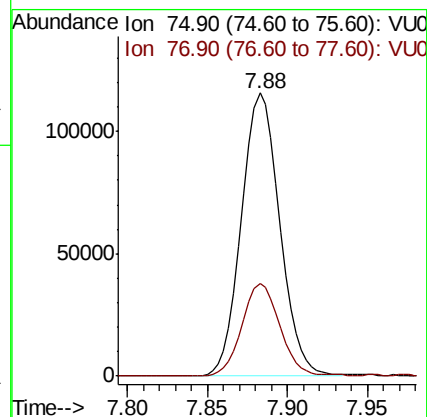
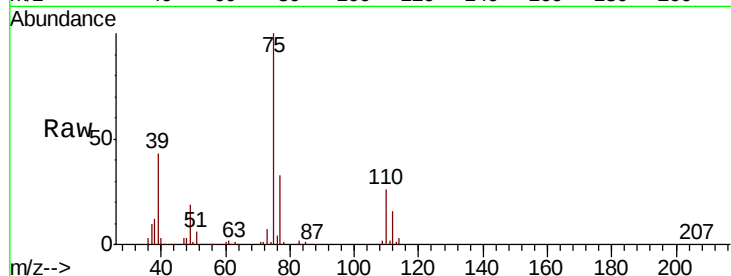
77 32.7 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.87 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

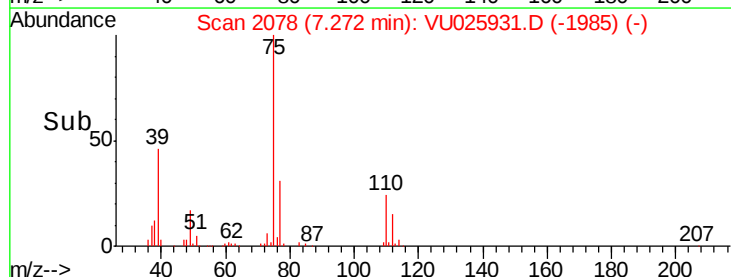
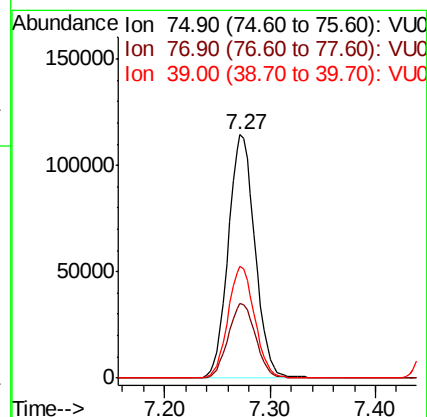
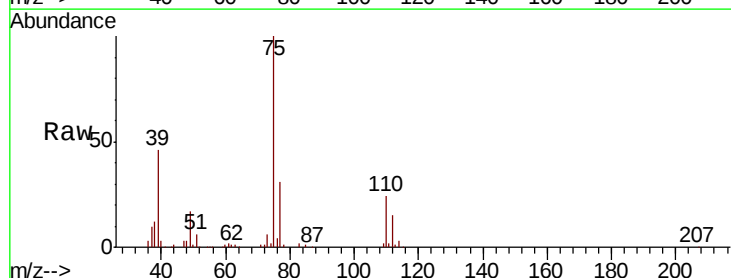
Tgt Ion: 75 Resp: 200495

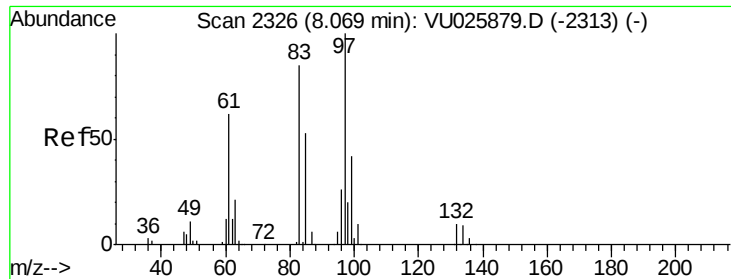
Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

39 46.0 40.0 60.0





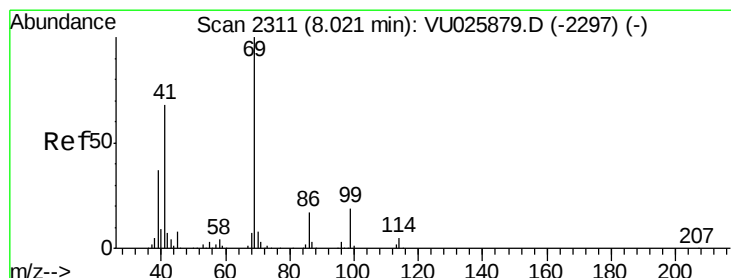
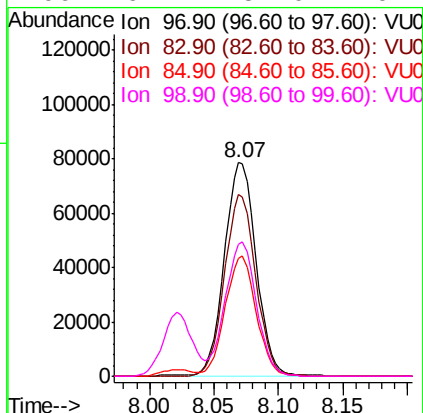
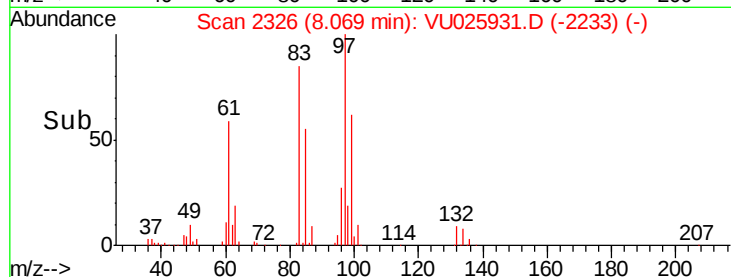
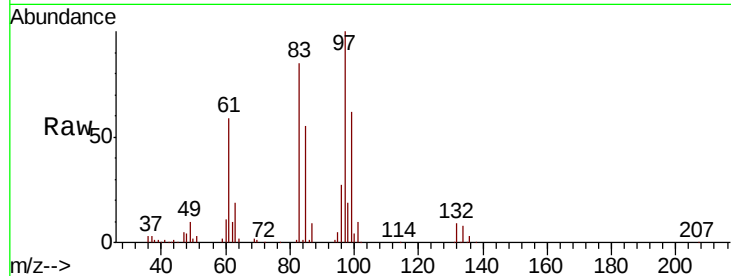
#55
 1,1,2-Trichloroethane
 Concen: 49.54 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	134459
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.9	103.3
85	55.4	44.4	66.6
99	61.7	51.0	76.4

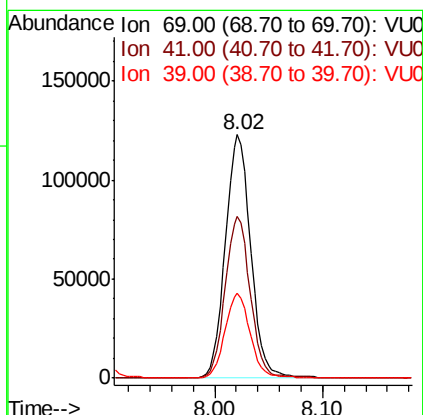
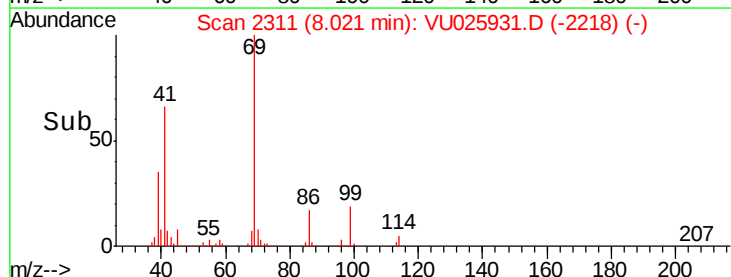
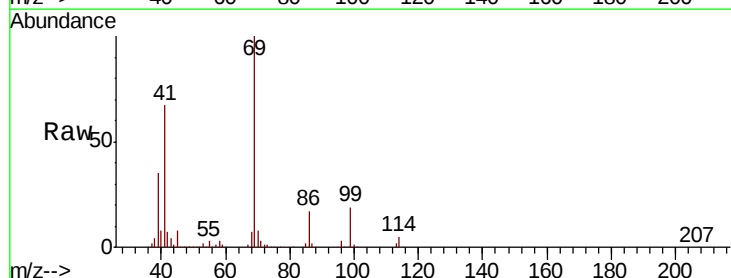
Manual Integrations
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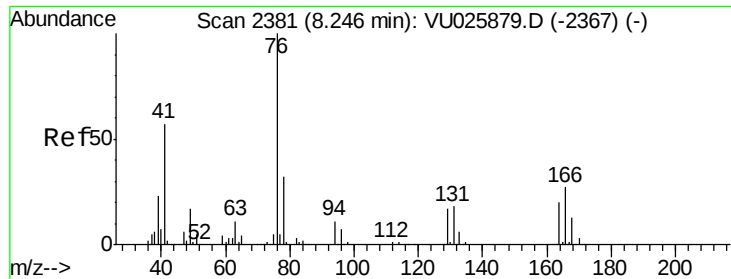
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#56
 Ethyl methacrylate
 Concen: 52.03 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion:	69	Resp:	201757
Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.8	82.2
39	34.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 48.86 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tot Ion: 76 Resp: 223007

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

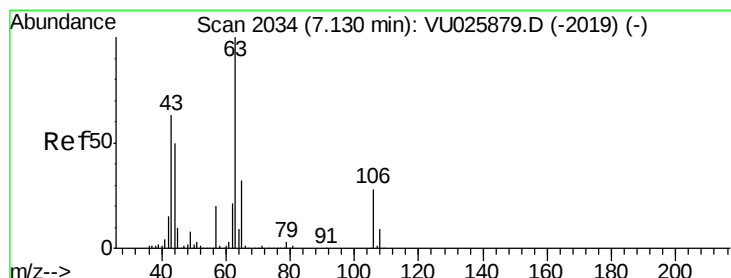
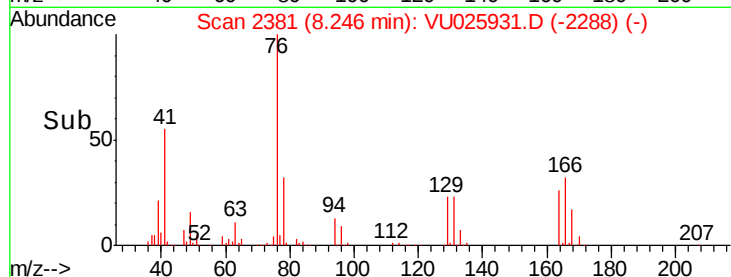
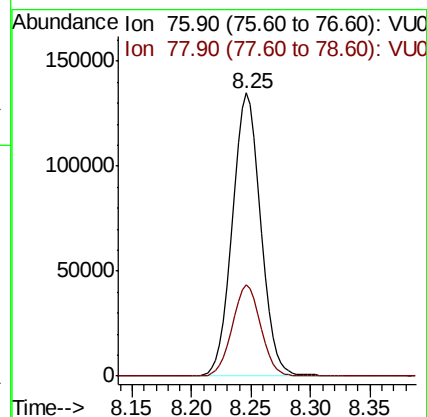
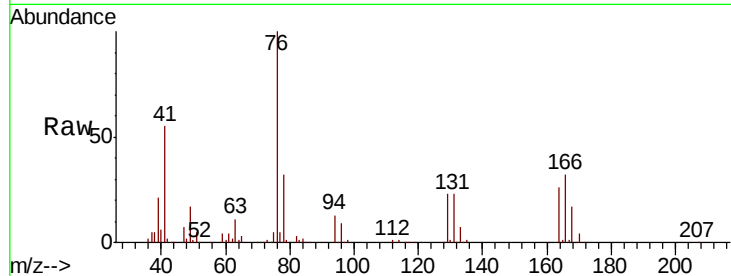
VSTDCCC050EC

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 208.99 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025931.D

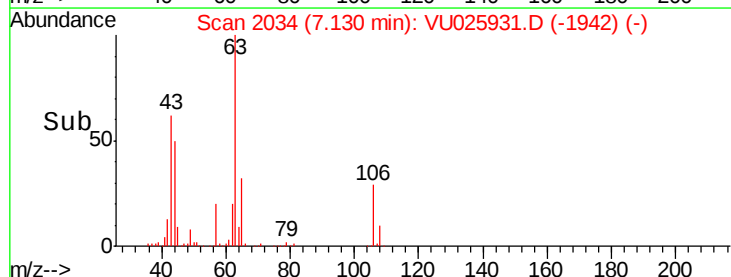
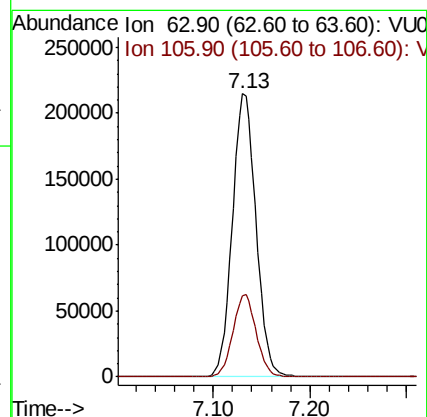
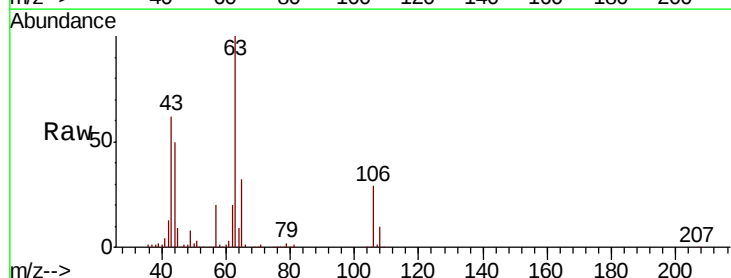
Acq: 07 Aug 2018 09:41

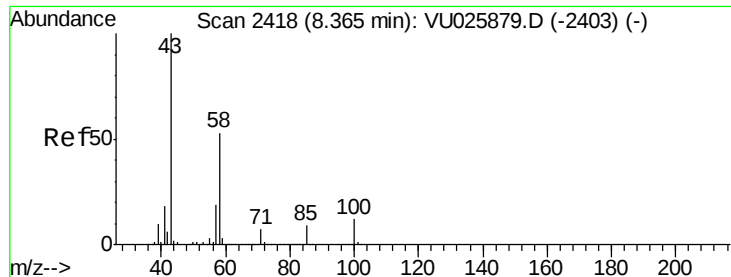
Tgt Ion: 63 Resp: 364915

Ion Ratio Lower Upper

63 100

106 28.5 22.3 33.5





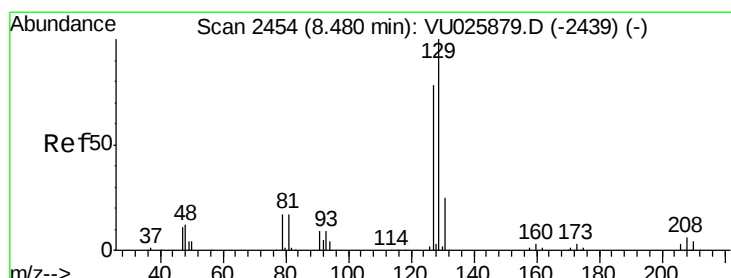
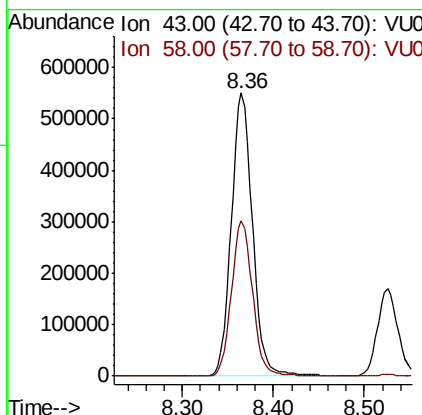
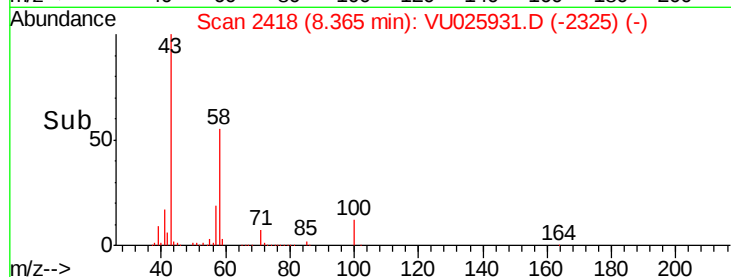
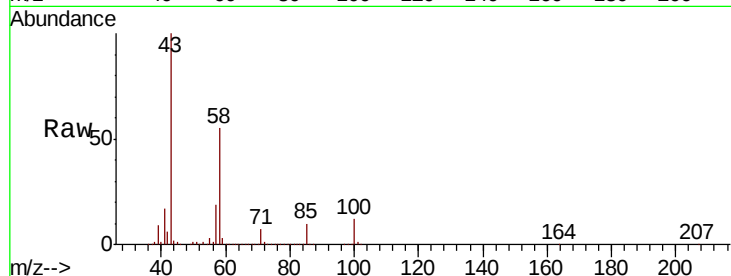
#59
2-Hexanone
Concen: 295.24 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	26.2	78.5

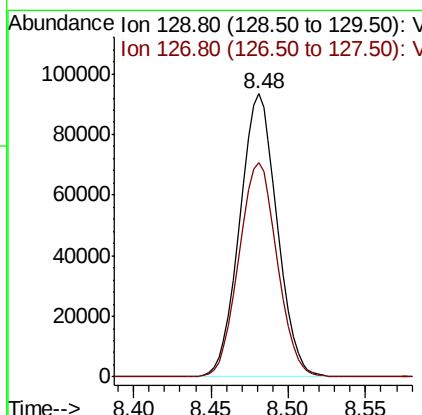
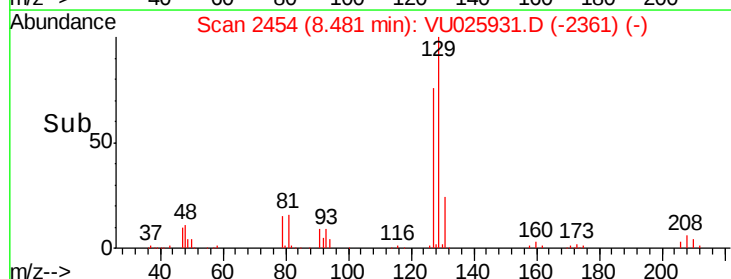
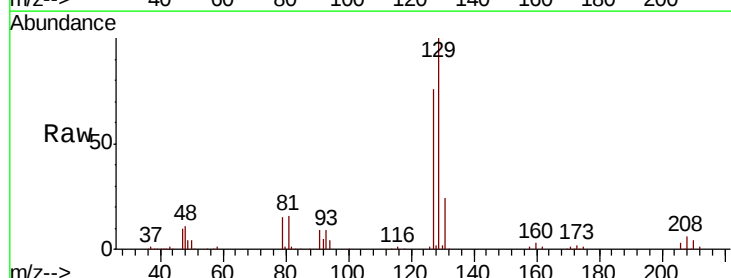
Manual Integrations
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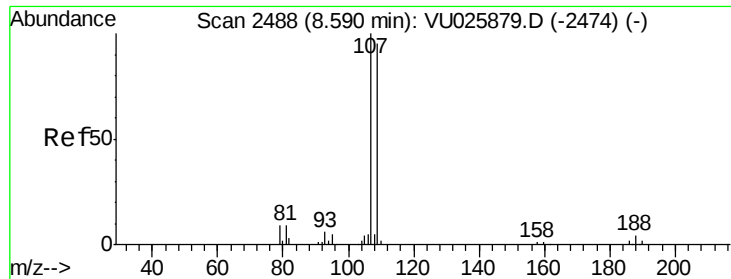
apatel
8/7/2018 2:24:48 PM



#60
Dibromochloromethane
Concen: 49.08 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8





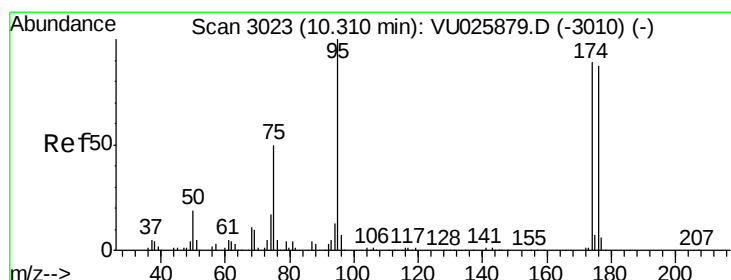
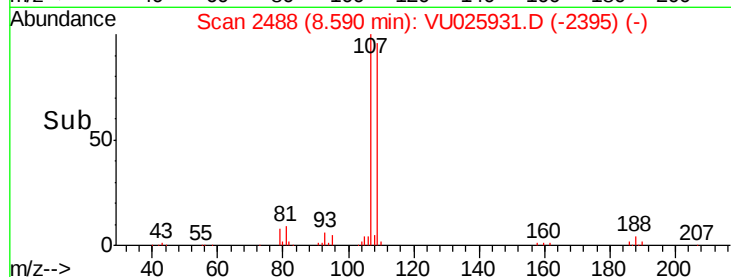
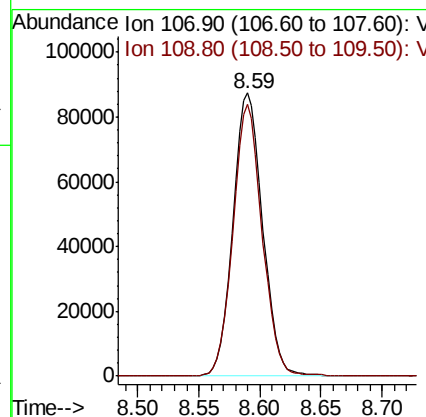
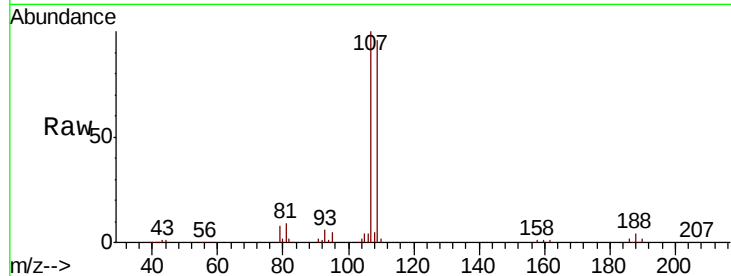
#61
 1,2-Dibromoethane
 Concen: 49.07 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	148107		
109	94.4	75.8	113.8	

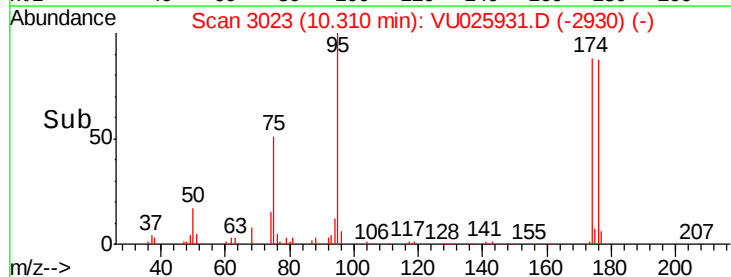
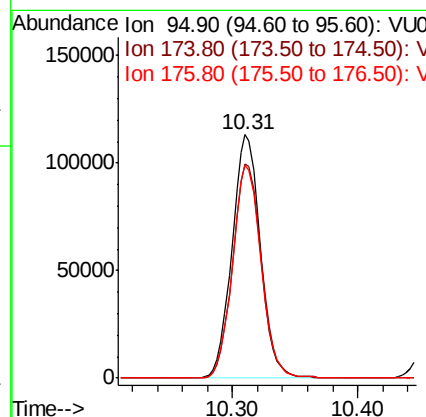
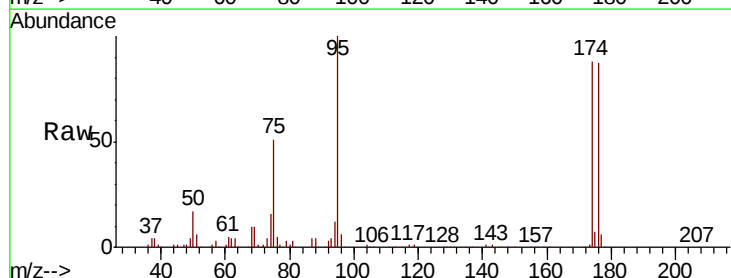
Manual Integrations
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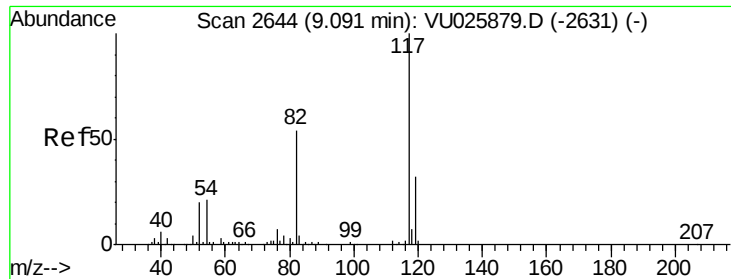
apatel
 8/7/2018 2:24:48 PM



#62
 4-Bromofluorobenzene
 Concen: 48.48 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	176250		
174	89.7	0.0	172.2	
176	88.6	0.0	162.6	





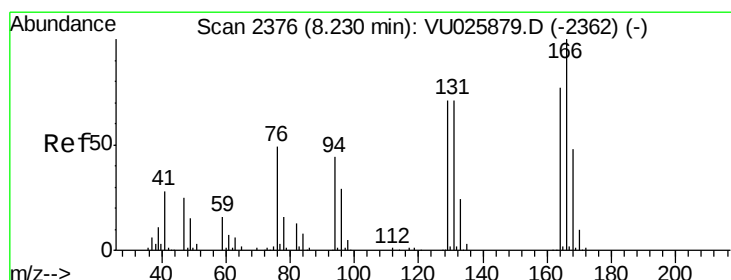
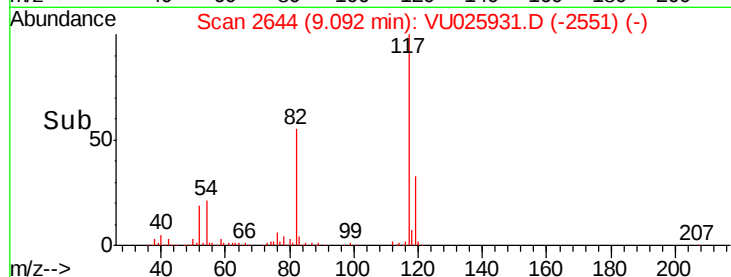
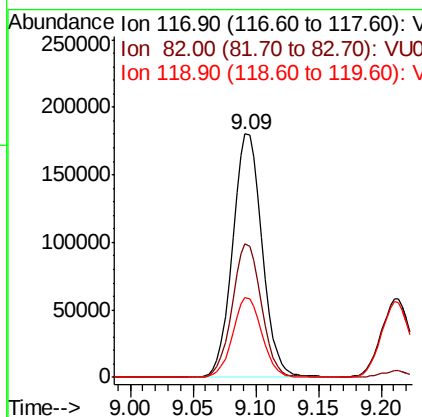
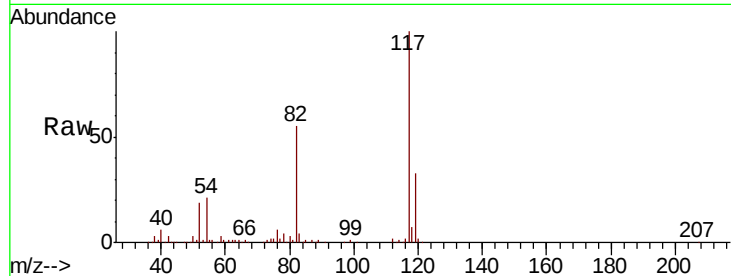
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294632		
82	54.7	46.0	69.0	
119	32.6	26.0	39.0	

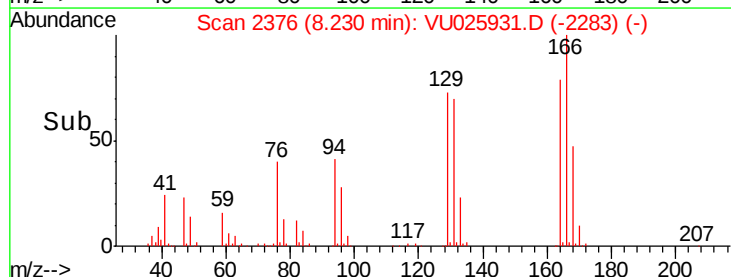
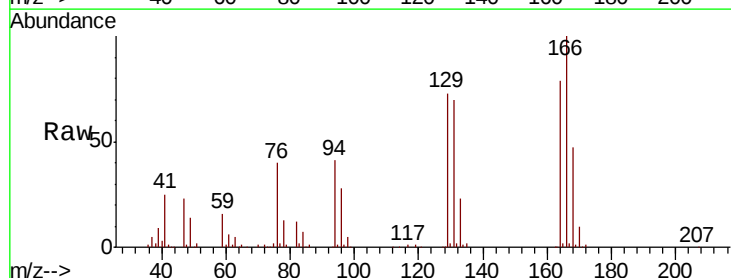
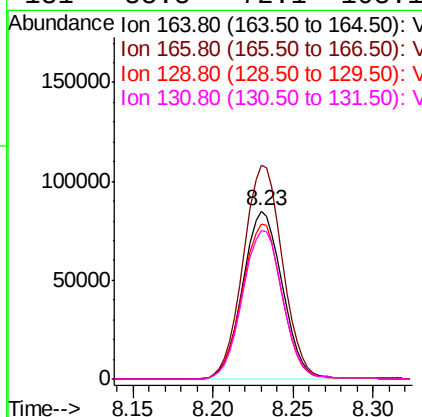
Manual Integrations
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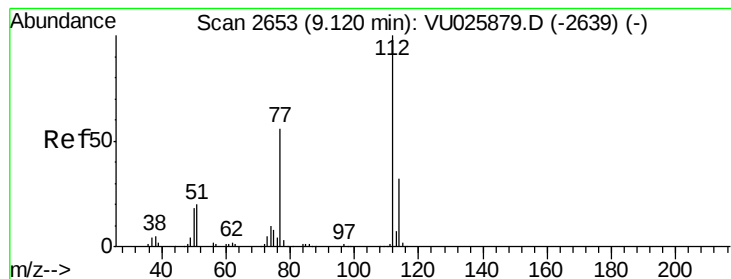
apatel
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#64
Tetrachloroethene
Concen: 55.40 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143672		
166	127.0	101.1	151.7	
129	92.5	73.0	109.6	
131	88.5	72.1	108.1	





#65

Chlorobenzene

Concen: 49.43 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 375465

Ion Ratio Lower Upper

112 100

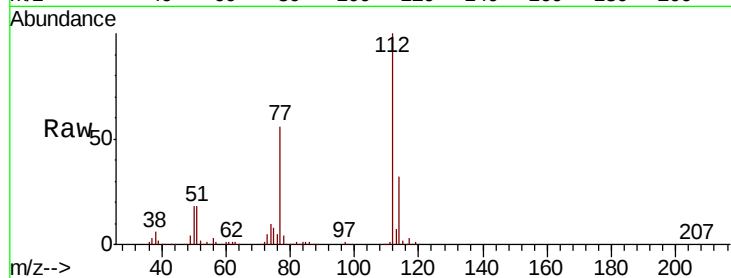
114 32.2 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

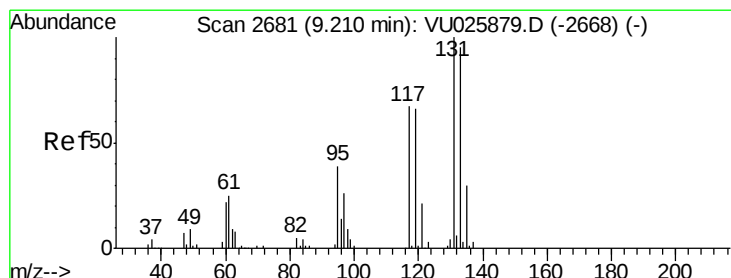
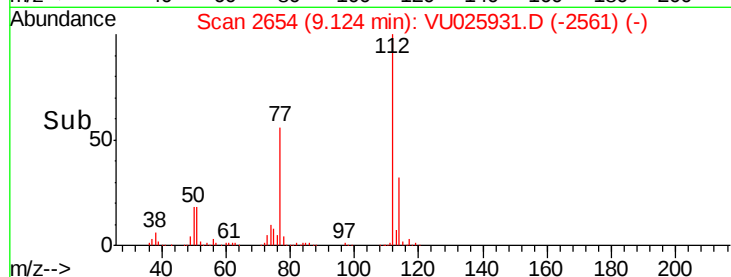
50000

0

9.12

9.10 9.20 9.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.44 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

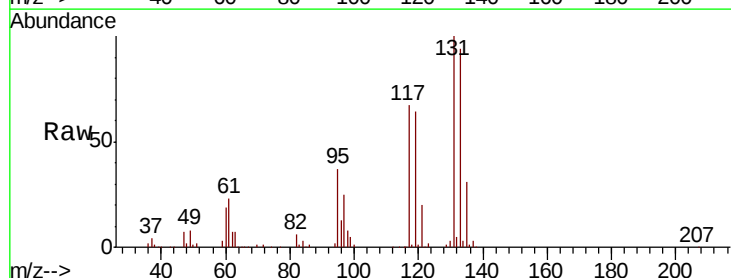
Tgt Ion:131 Resp: 141368

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

119 64.6 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

60000

40000

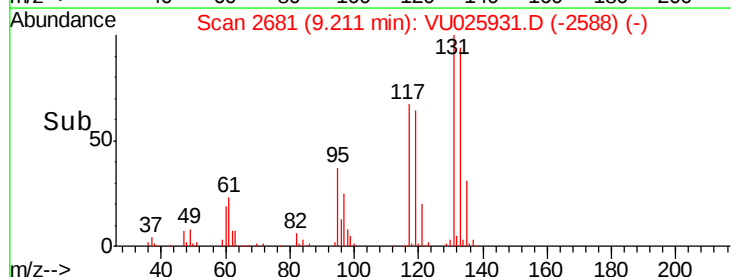
20000

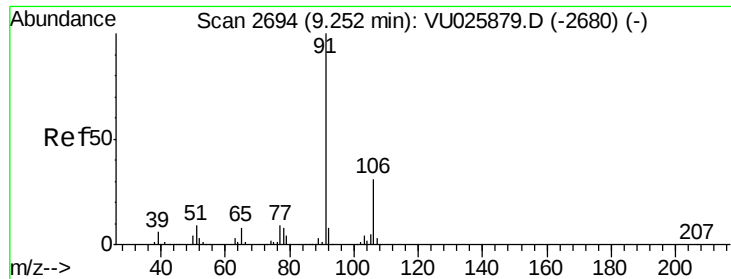
0

9.21

9.15 9.25 9.30

Time-->





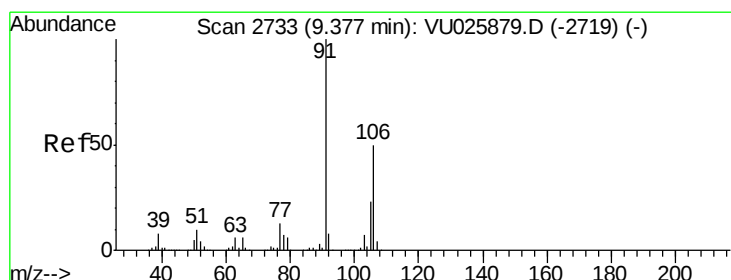
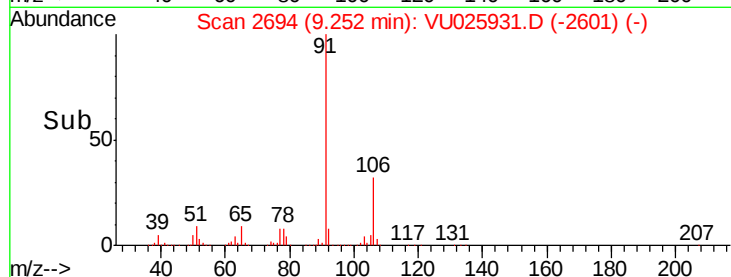
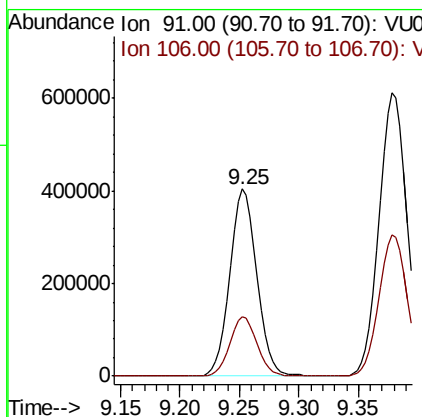
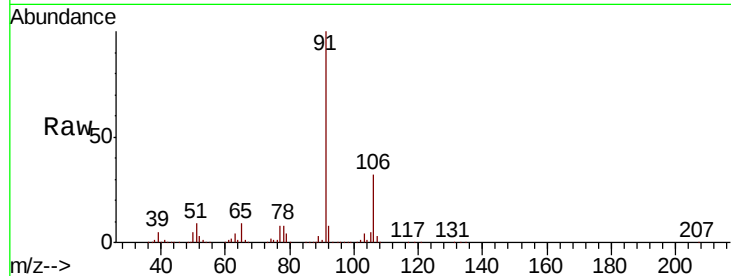
#67
Ethyl Benzene
Concen: 50.68 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 637676
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

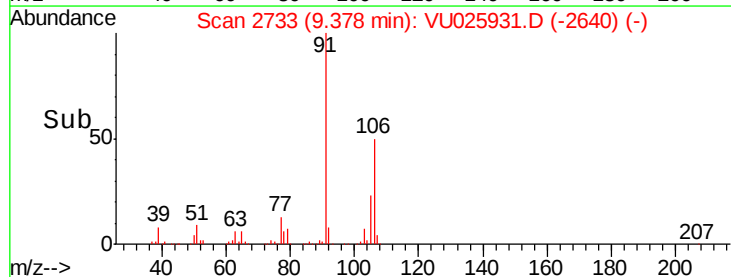
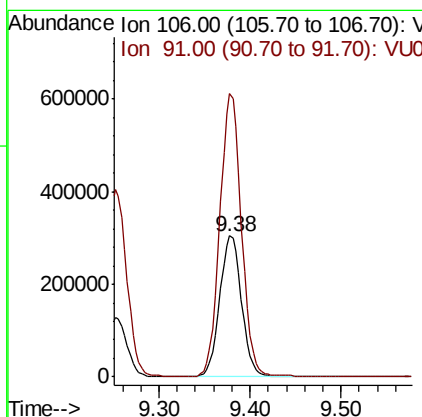
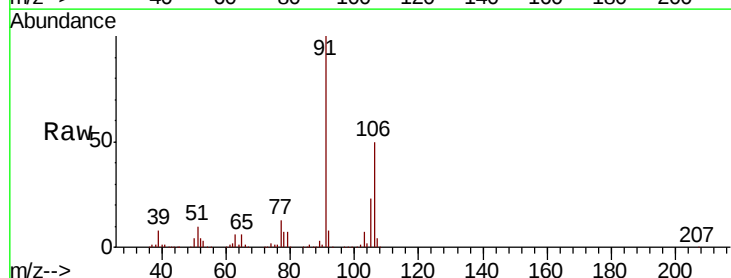
Manual Integrations
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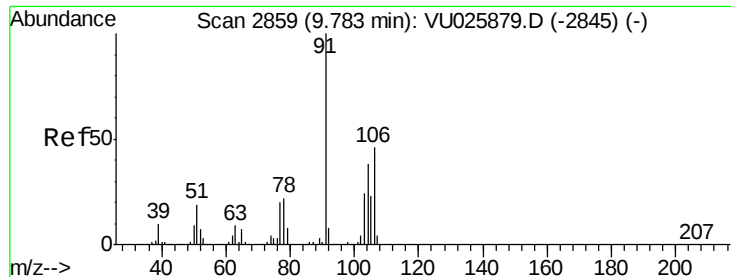
apatel
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#68
m/p-Xylenes
Concen: 105.31 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion: 106 Resp: 508751
Ion Ratio Lower Upper
106 100
91 198.2 162.3 243.5





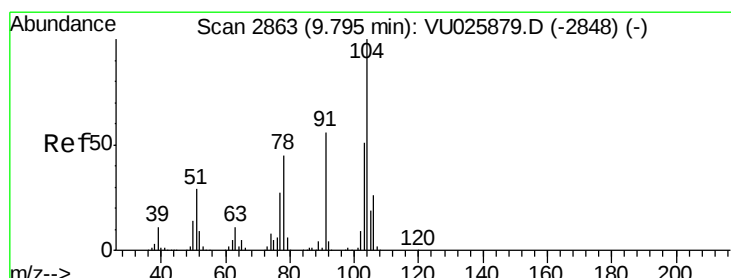
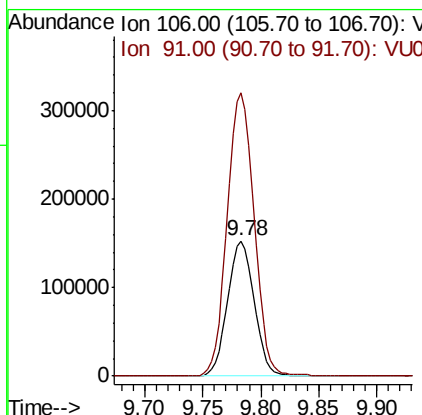
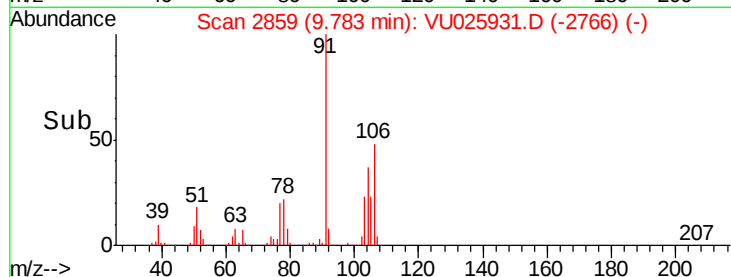
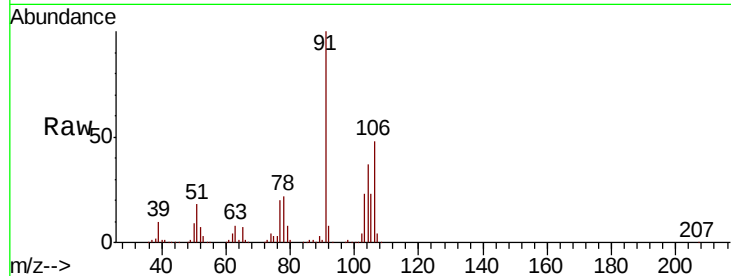
#69
o-Xylene
Concen: 51.23 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	241879		
91	212.1	105.3	315.8	

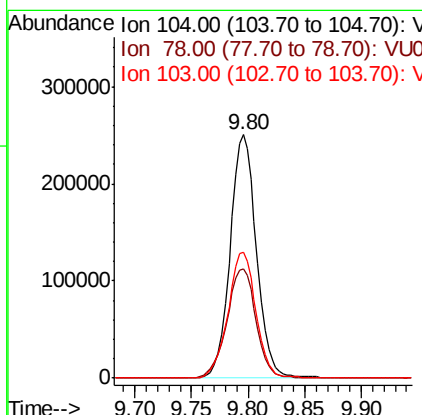
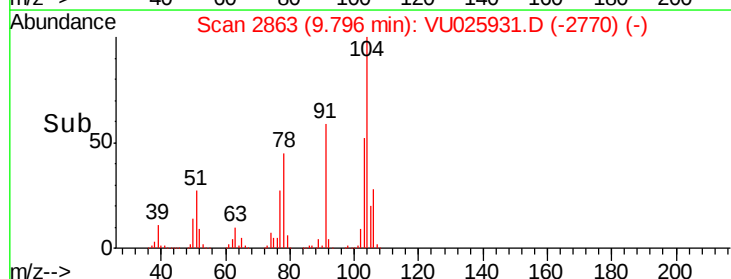
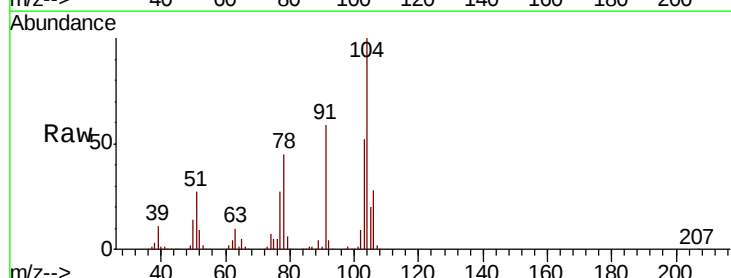
Manual Integrations
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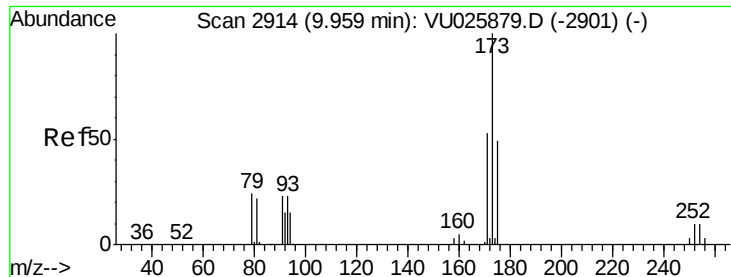
apatel
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#70
Styrene
Concen: 52.93 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	403644		
78	49.7	41.6	62.4	
103	55.1	44.6	66.8	





#71

Bromoform

Concen: 51.89 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

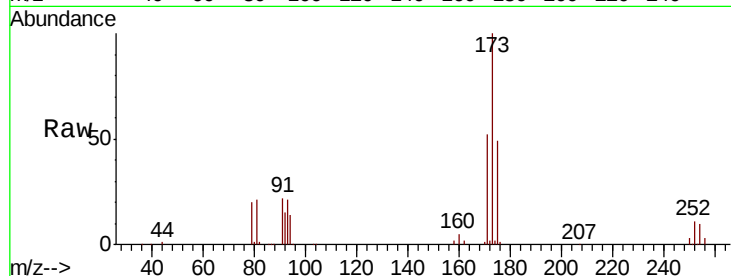
ClientSampleId :

VSTDCCC050EC

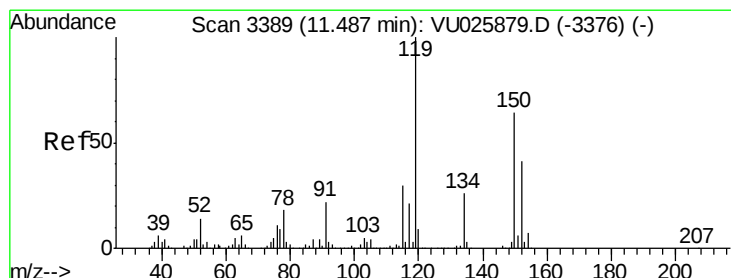
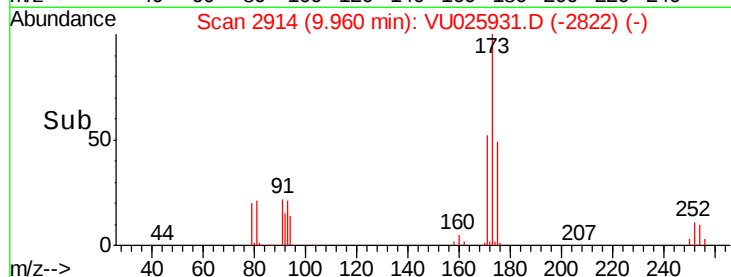
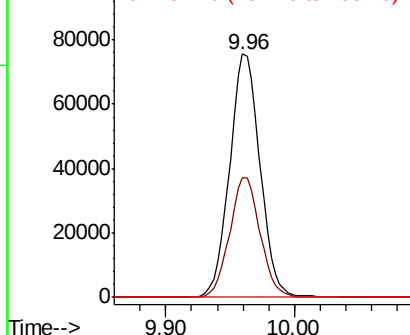
Tot Ion:	173	Resp:	123639
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

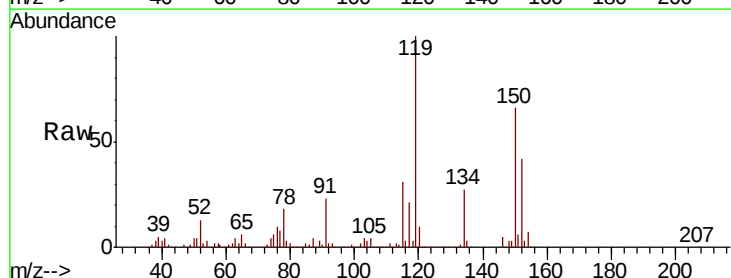
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

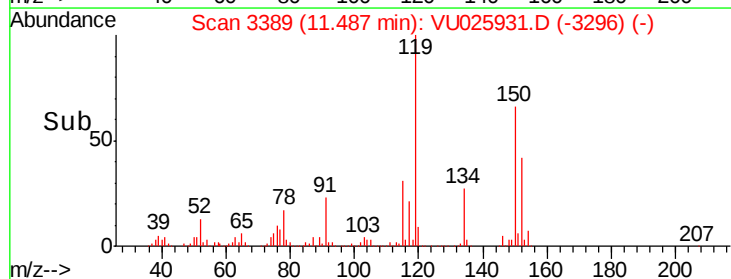
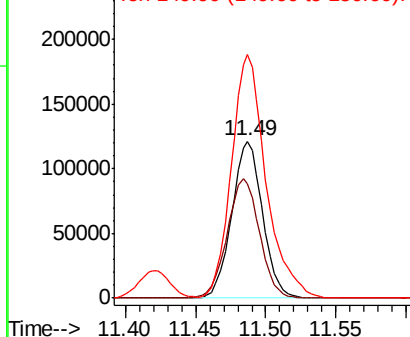
Lab File: VU025931.D

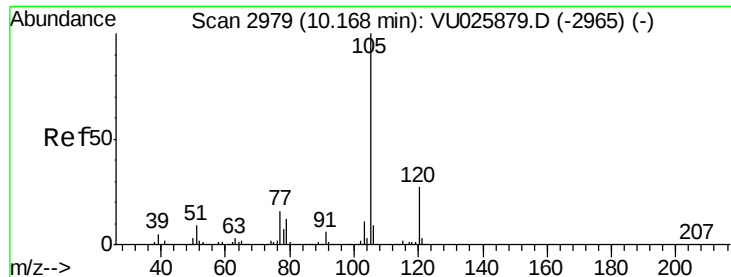
Acq: 07 Aug 2018 09:41

Tgt Ion:	152	Resp:	184133
Ion Ratio	Lower	Upper	
152	100		
115	80.2	40.1	120.3
150	174.8	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.73 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 650152

Ion Ratio Lower Upper

105 100

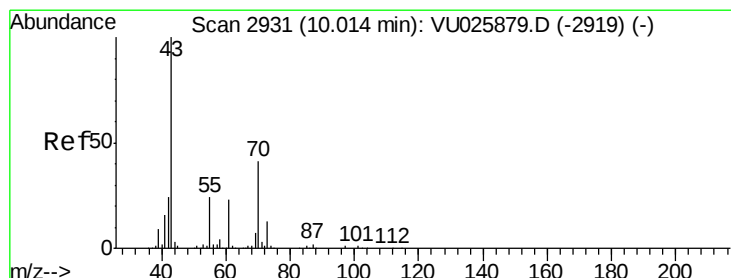
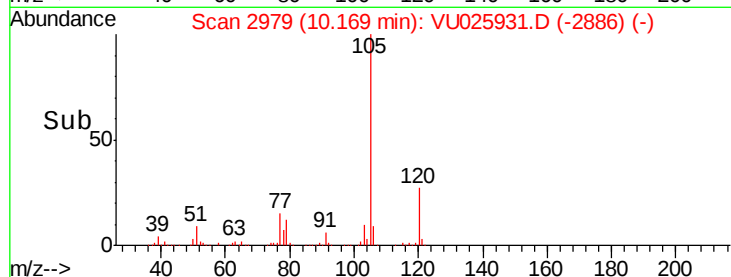
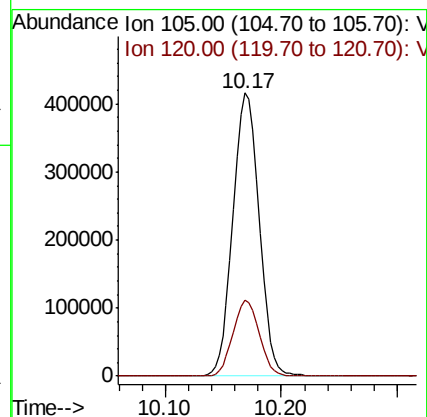
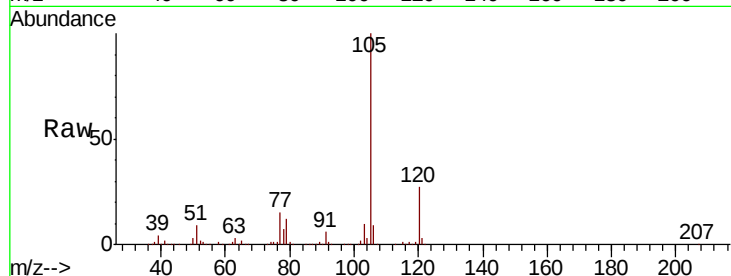
120 26.7 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.24 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion: 43 Resp: 262866

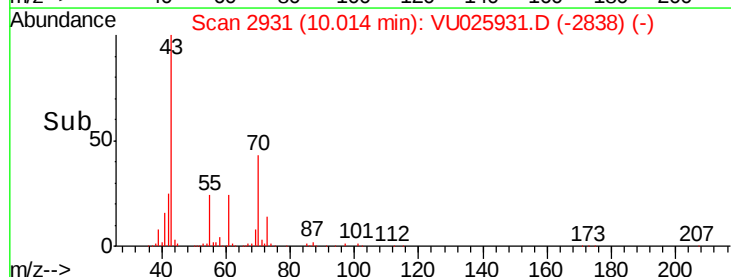
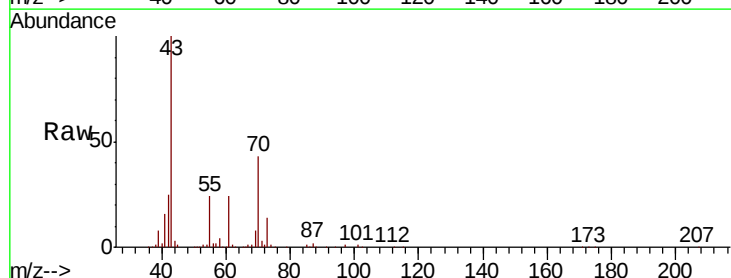
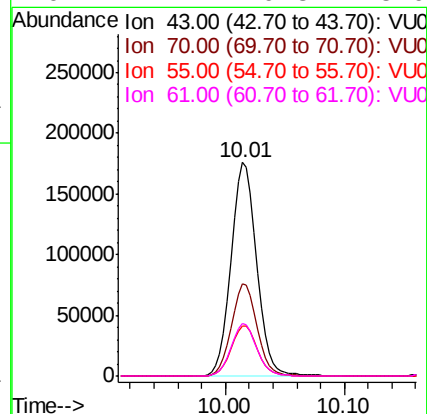
Ion Ratio Lower Upper

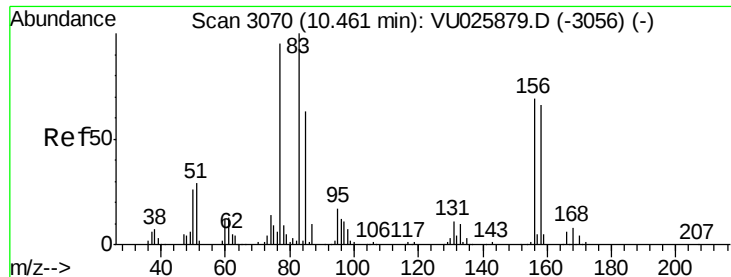
43 100

70 43.1 33.4 50.2

55 23.9 19.0 28.6

61 24.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.29 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 209862

Ion Ratio Lower Upper

83 100

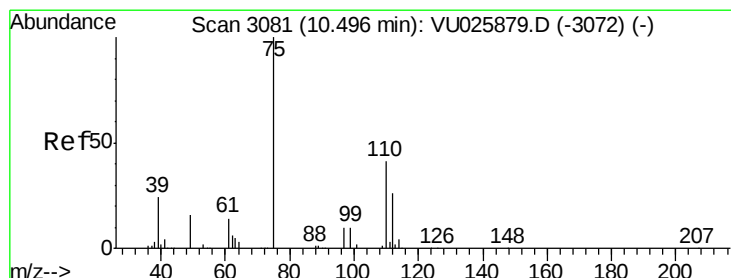
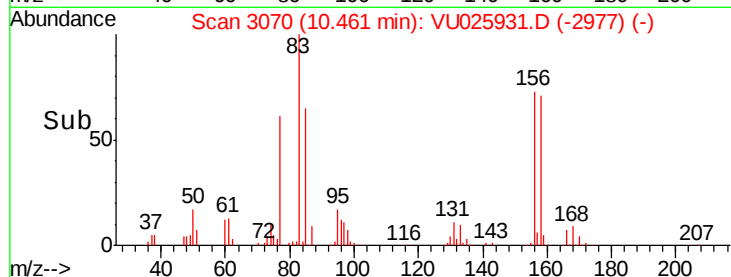
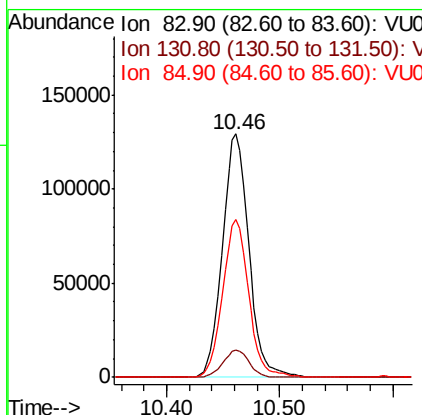
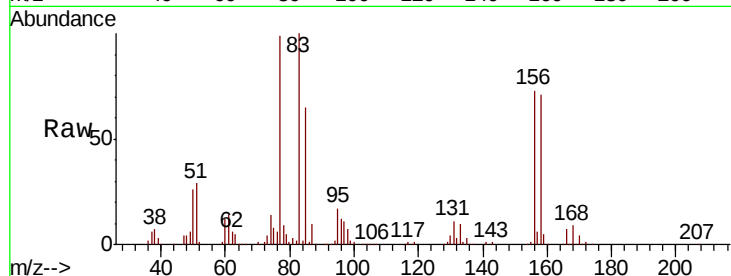
131 11.0 5.5 16.4

85 64.2 31.6 94.8

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#76

1,2,3-Trichloropropane

Concen: 48.02 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025931.D

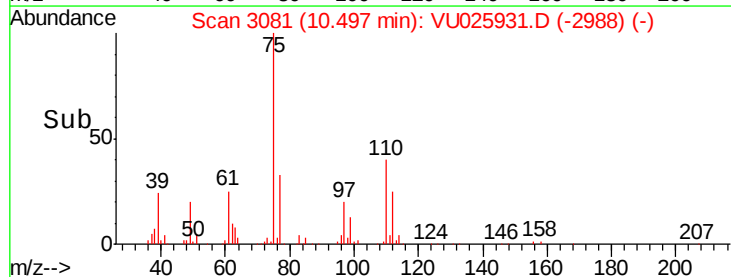
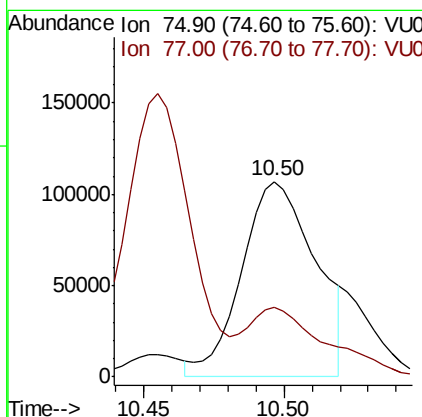
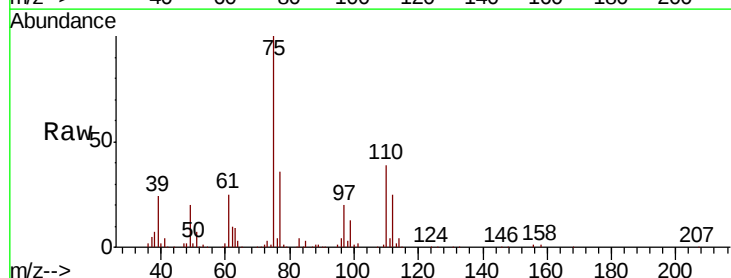
Acq: 07 Aug 2018 09:41

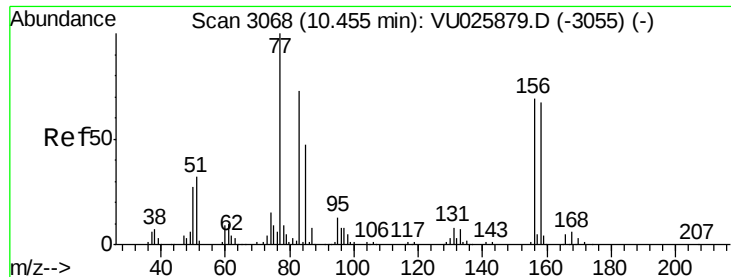
Tgt Ion: 75 Resp: 194809

Ion Ratio Lower Upper

75 100

77 36.7 20.4 61.3





#77

Bromobenzene

Concen: 50.85 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

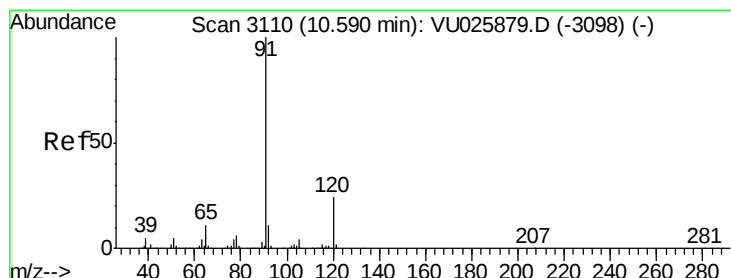
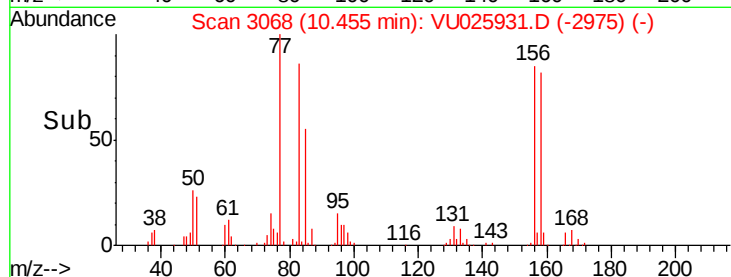
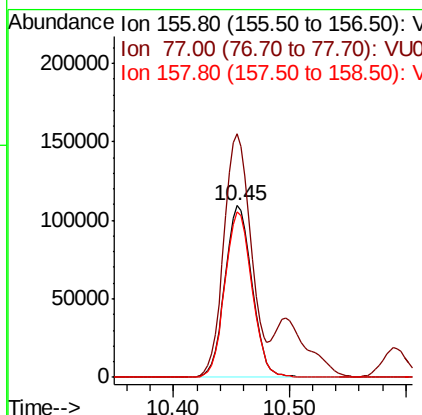
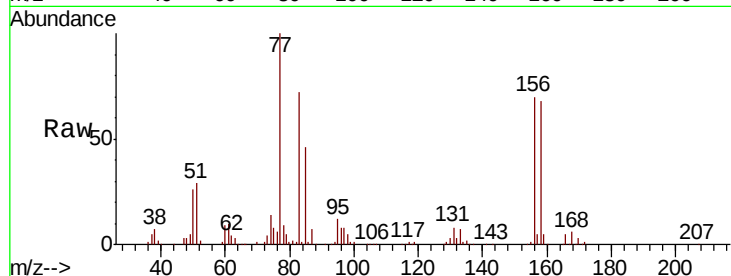
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	176260
Ion Ratio	Lower	Upper	
156	100		
77	142.1	73.8	221.4
158	96.5	48.0	144.0

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#78

n-propylbenzene

Concen: 51.41 ug/l

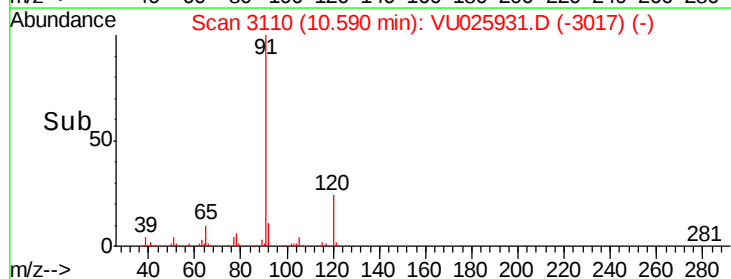
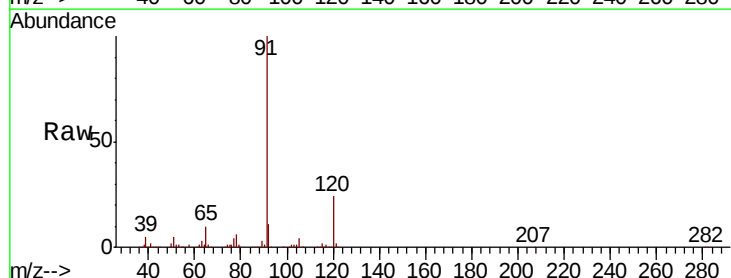
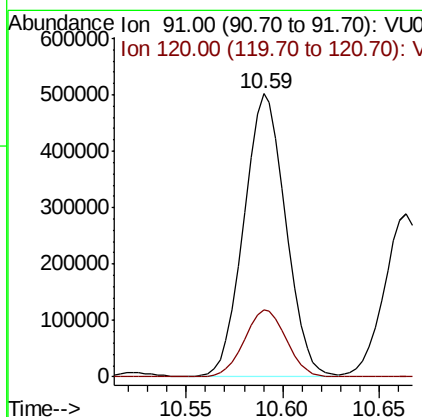
RT: 10.59 min Scan# 3110

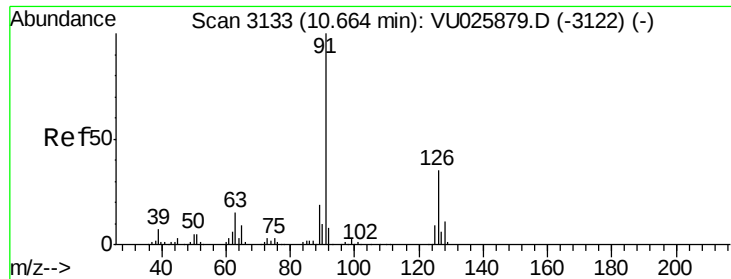
Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion:	91	Resp:	754032
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.3





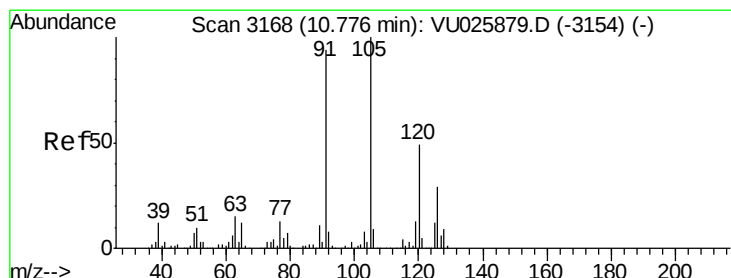
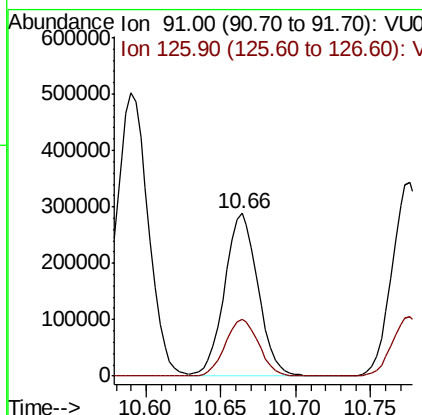
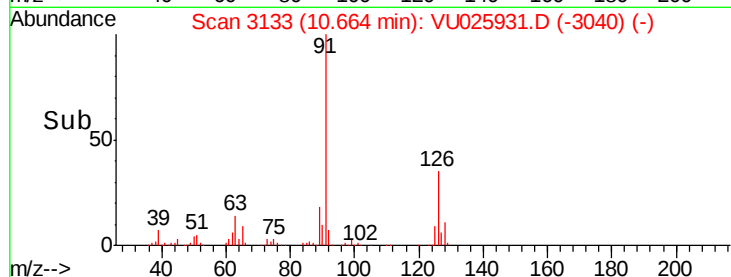
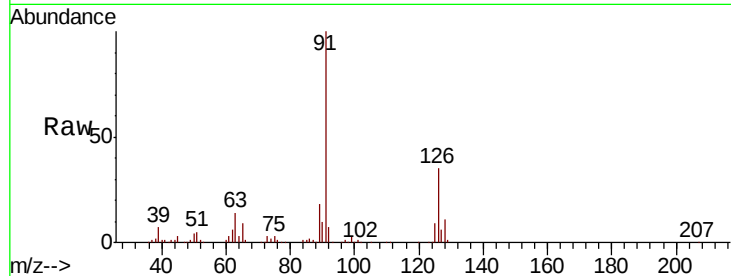
#79
 2-Chlorotoluene
 Concen: 52.22 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 448612
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6

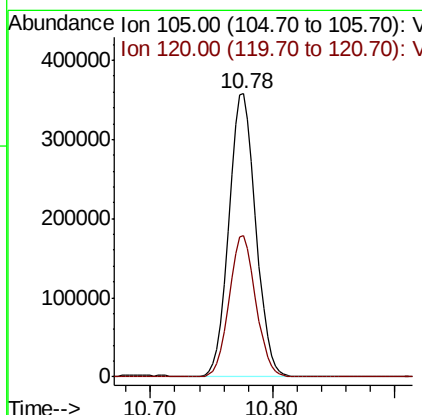
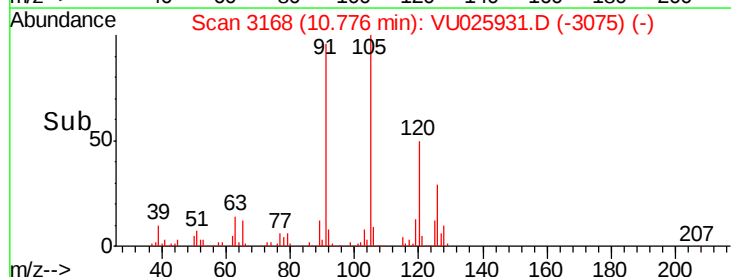
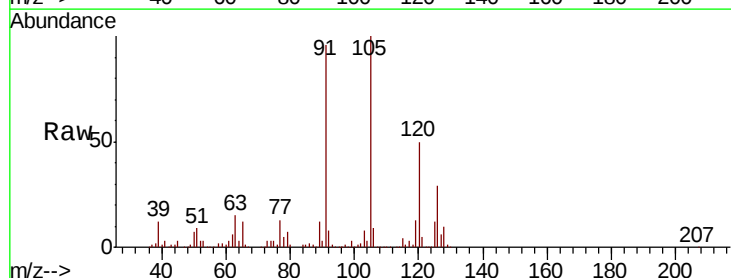
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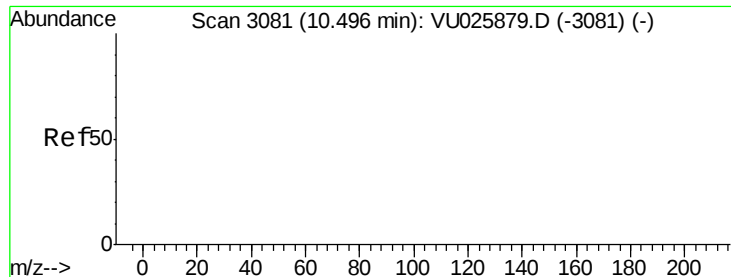
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.58 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion: 105 Resp: 550529
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.2





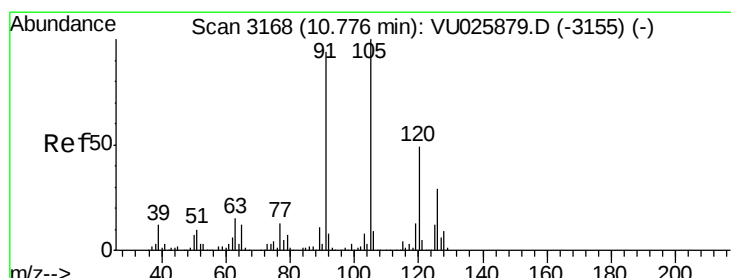
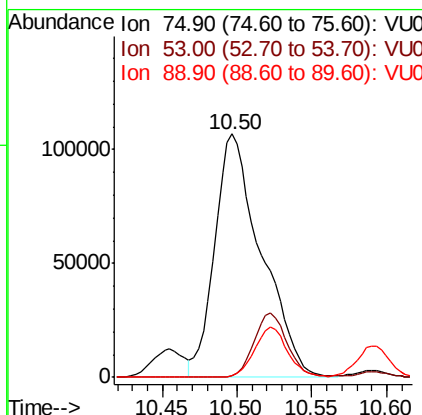
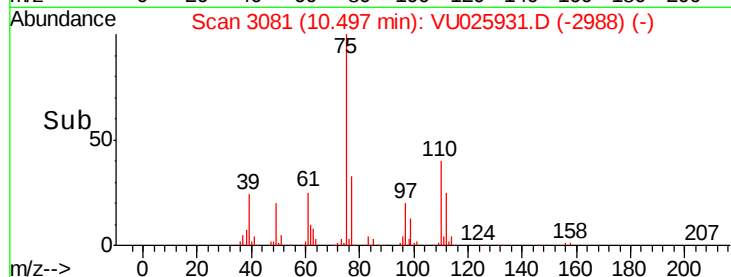
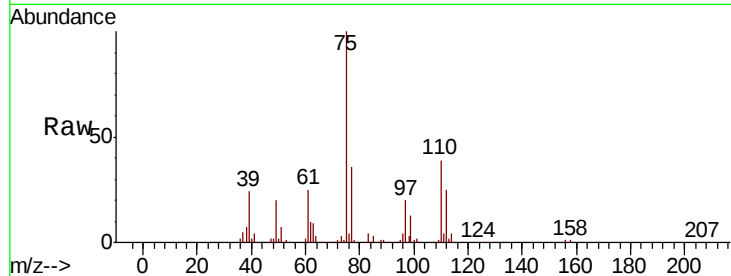
#81
trans-1,4-Dichloro-2-butene
Concen: 143.13 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

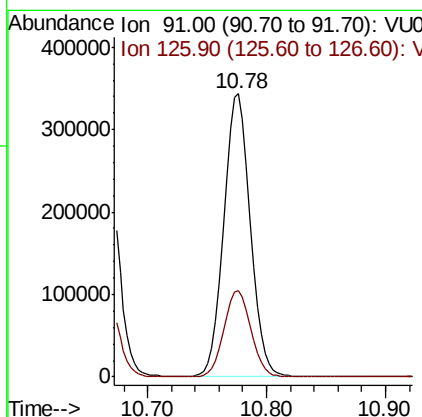
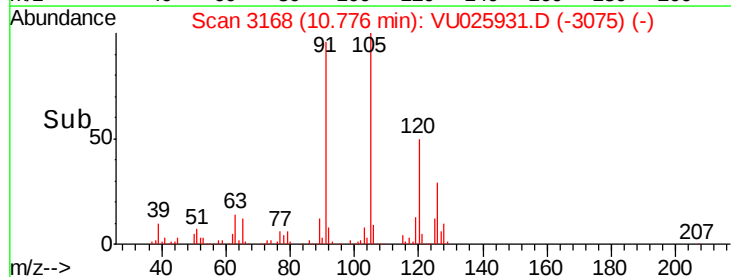
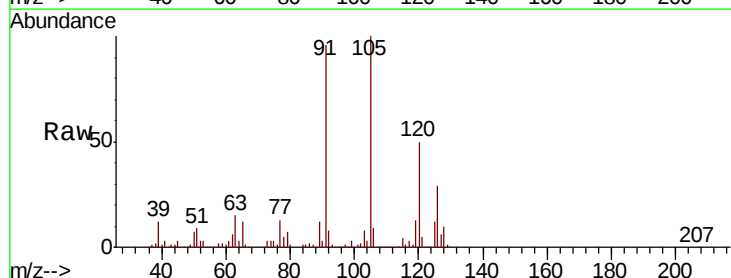
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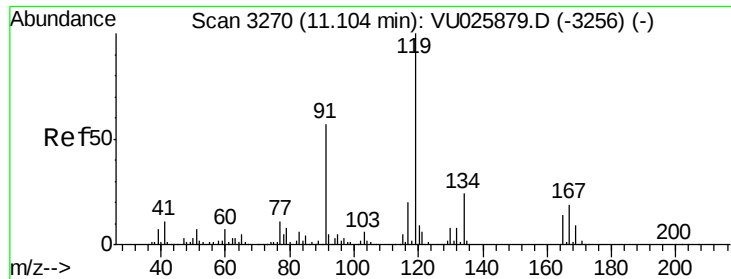
apatel
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#82
4-Chlorotoluene
Concen: 52.26 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





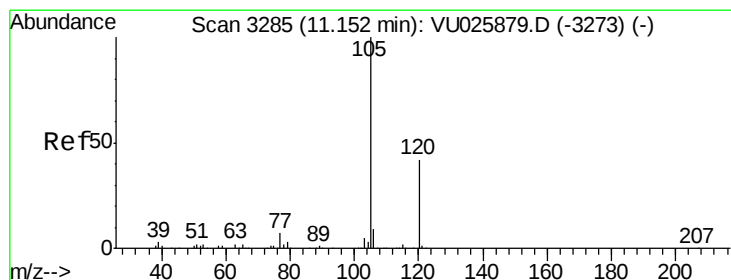
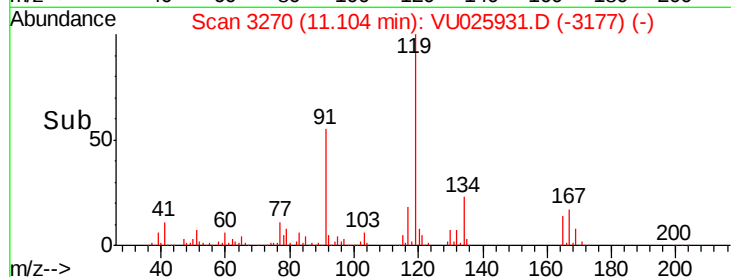
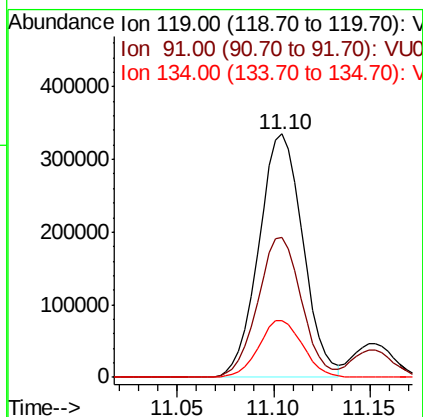
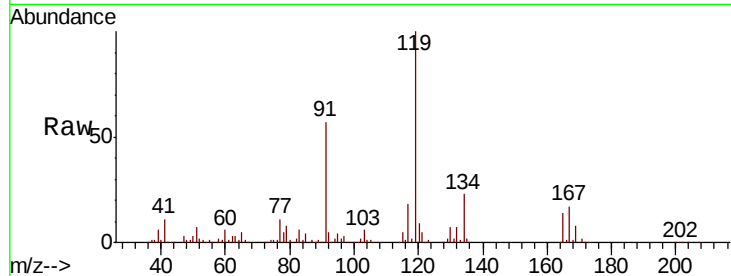
#83
 tert-Butylbenzene
 Concen: 50.02 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	29.7	89.1
134	23.2	11.5	34.5

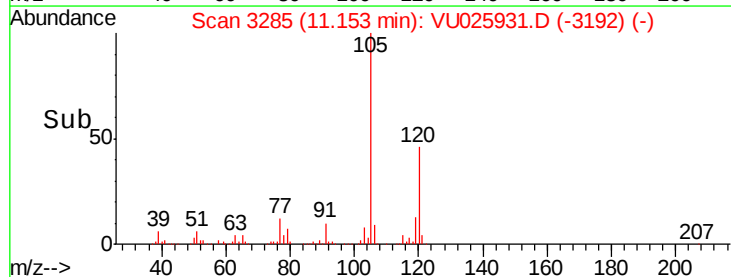
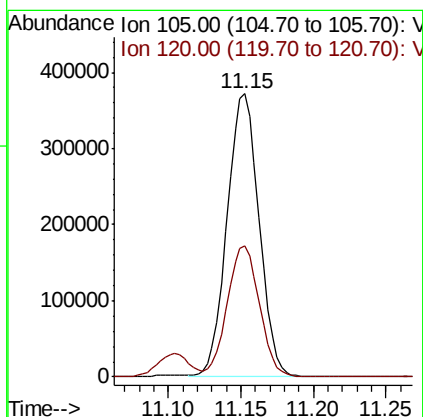
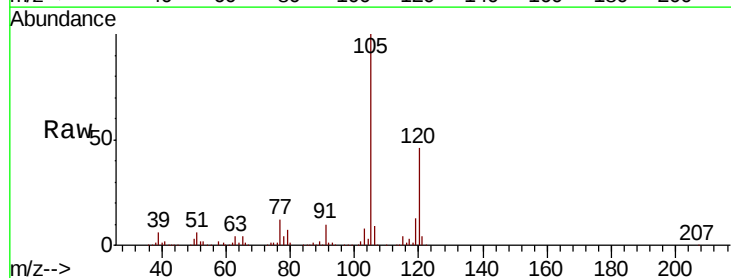
Manual Integrations
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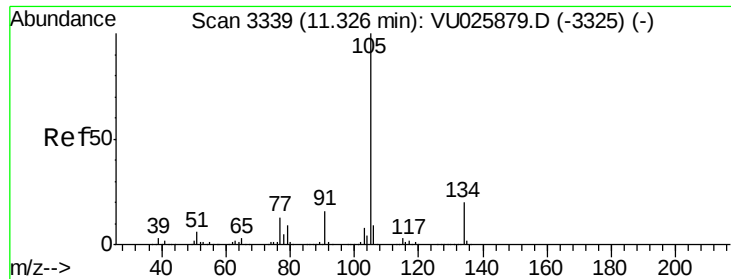
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.46 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.86 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 645586

Ion Ratio Lower Upper

105 100

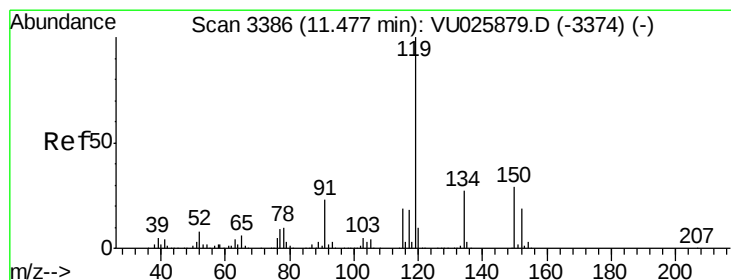
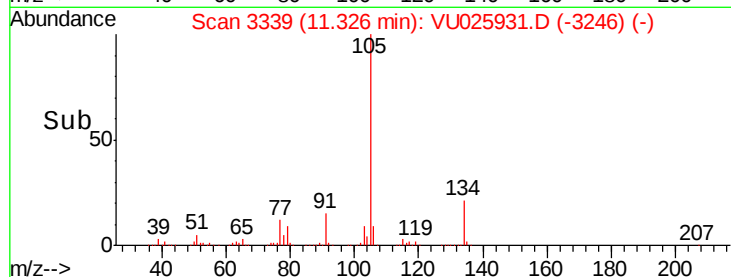
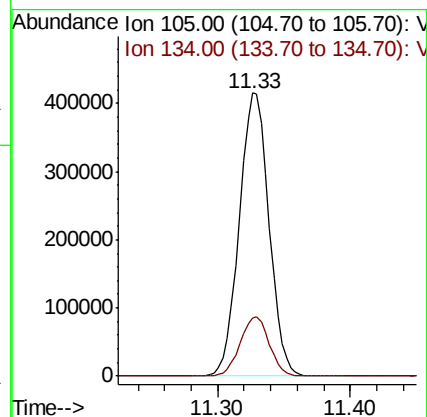
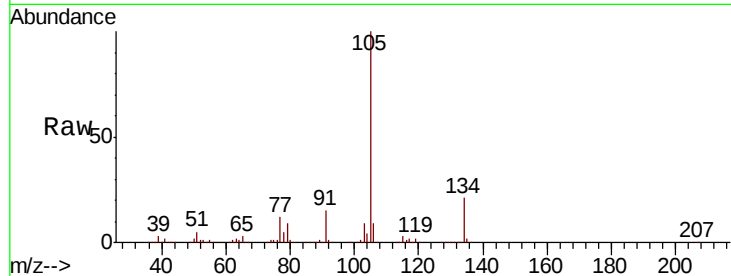
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 50.67 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

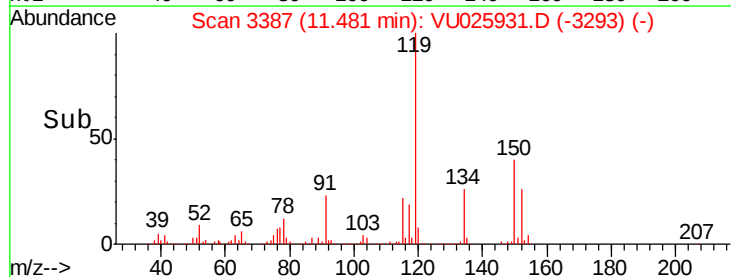
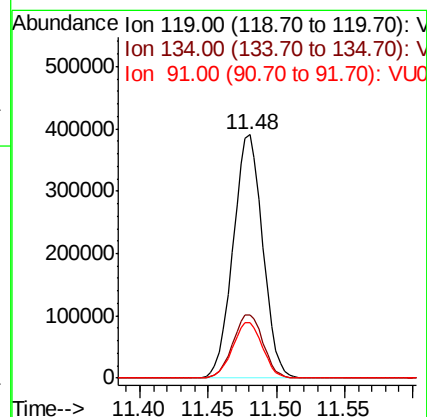
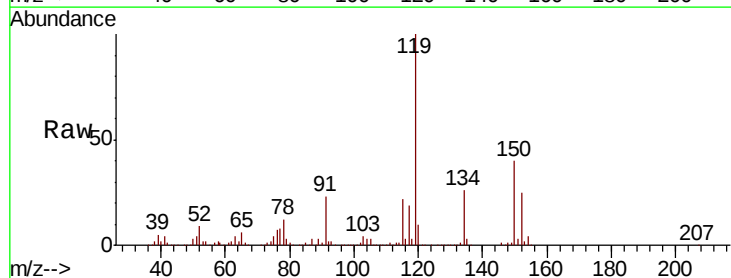
Tgt Ion:119 Resp: 587477

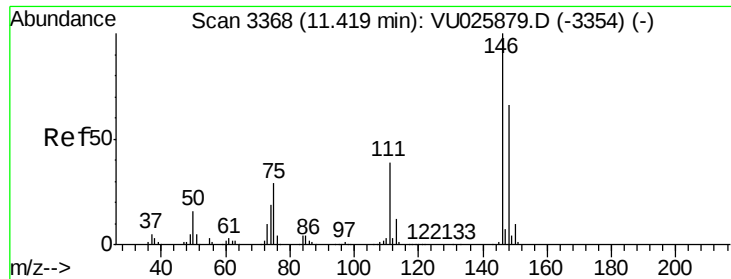
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.3 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 50.62 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Instrument :

MSVOA_U

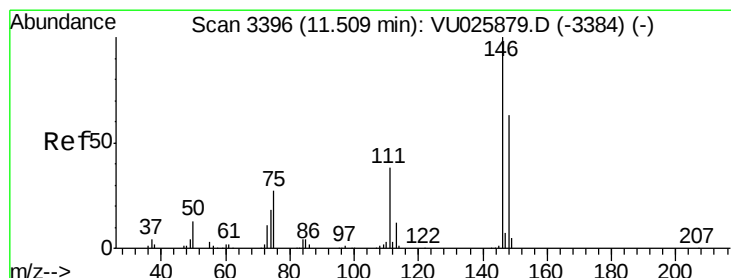
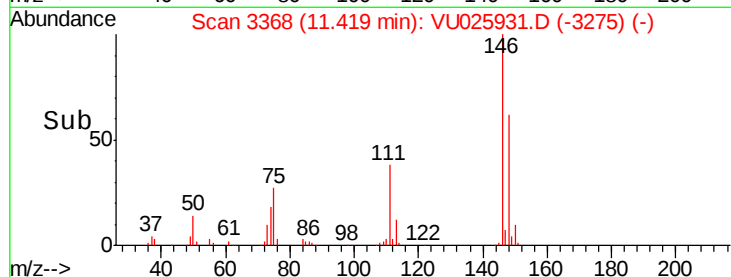
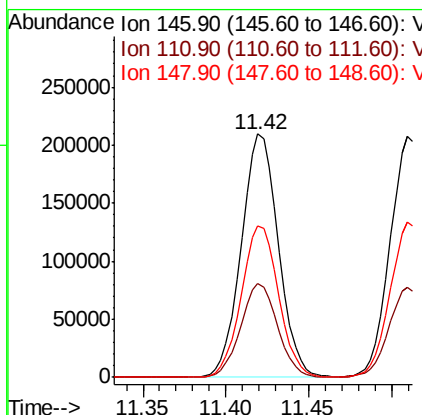
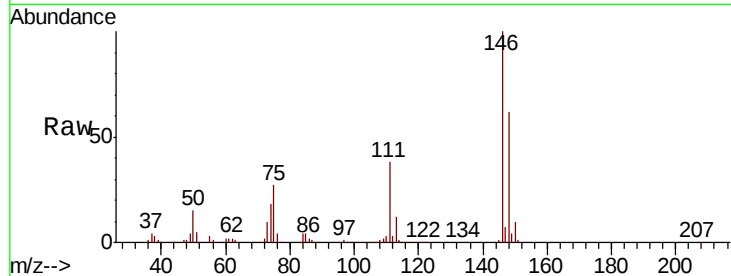
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	325680
Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	62.6	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 48.67 ug/l

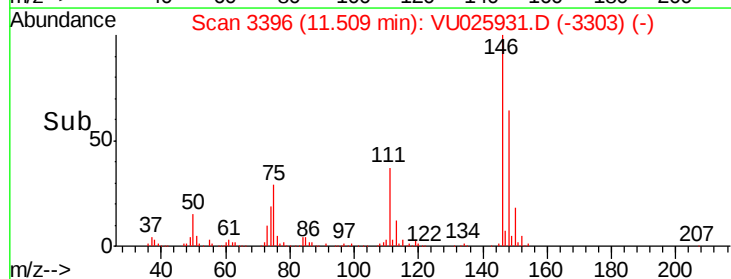
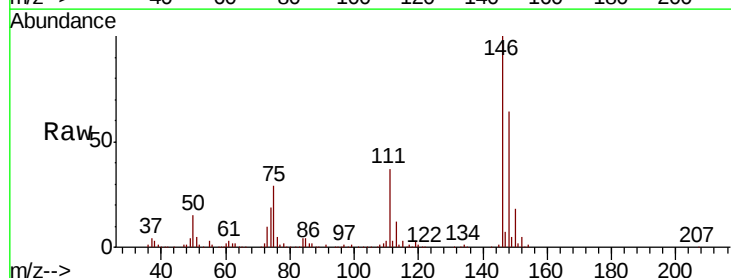
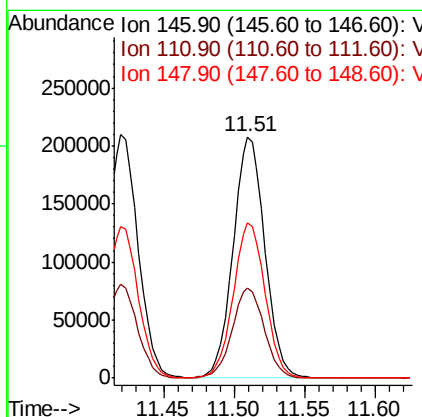
RT: 11.51 min Scan# 3396

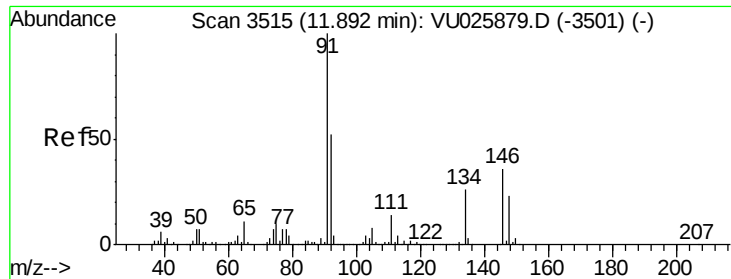
Delta R.T. 0.00 min

Lab File: VU025931.D

Acq: 07 Aug 2018 09:41

Tgt Ion:	146	Resp:	326448
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.5	31.7	95.1





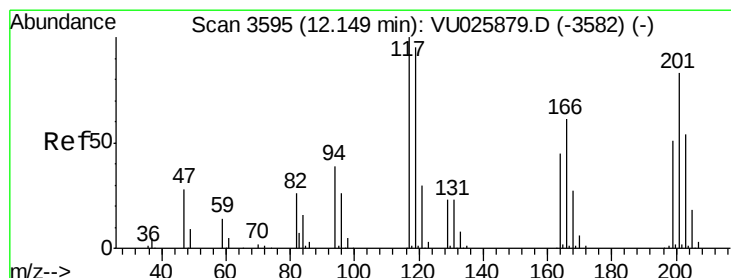
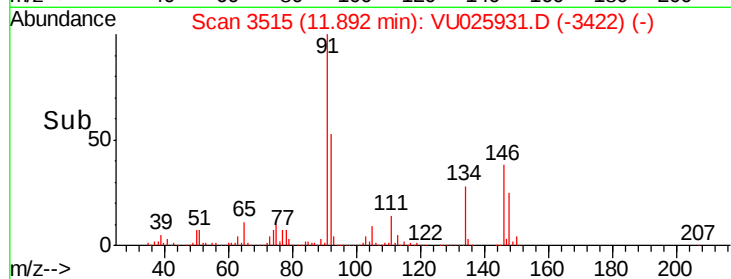
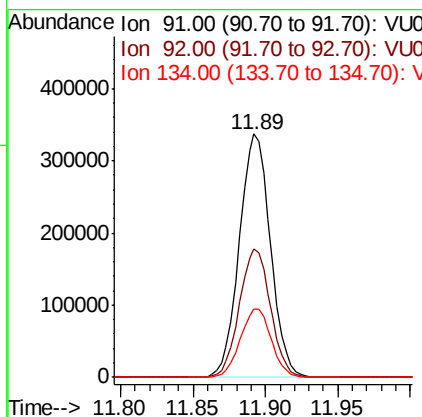
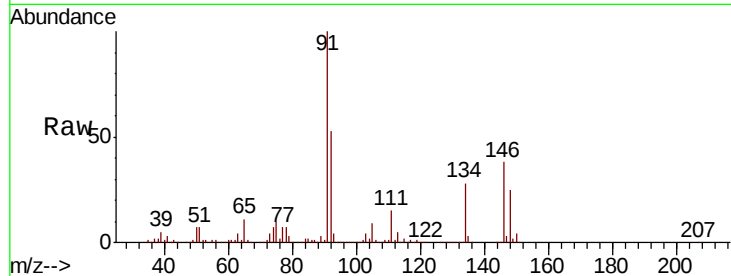
#89
n-Butylbenzene
Concen: 46.90 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	28.0	13.6	40.7

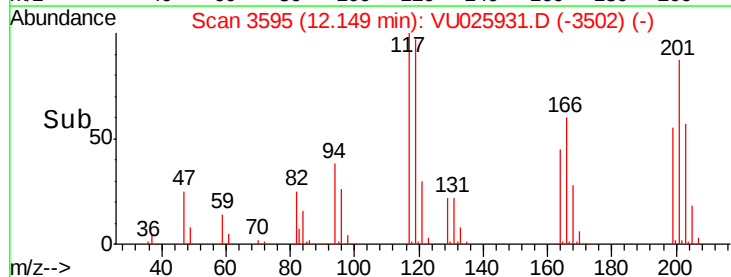
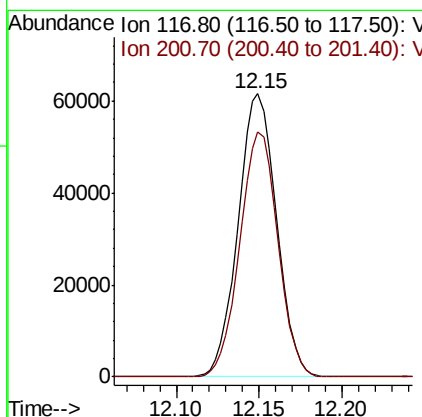
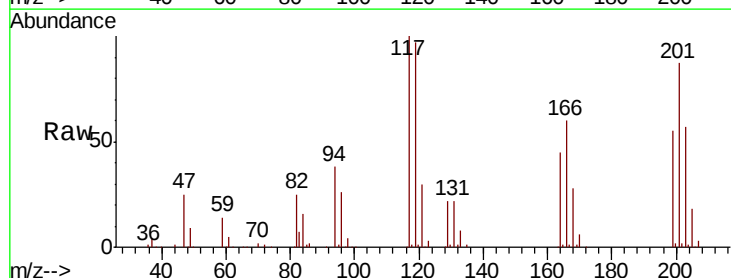
Manual Integrations
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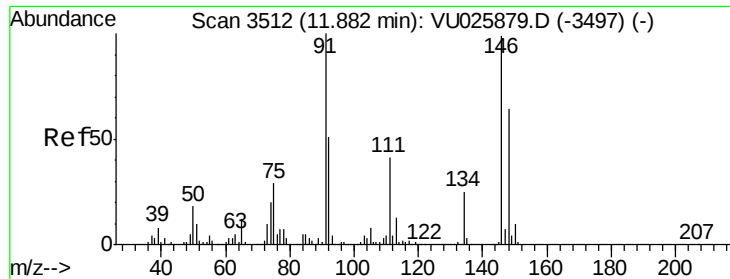
apatel
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#90
Hexachloroethane
Concen: 48.10 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.5	127.6





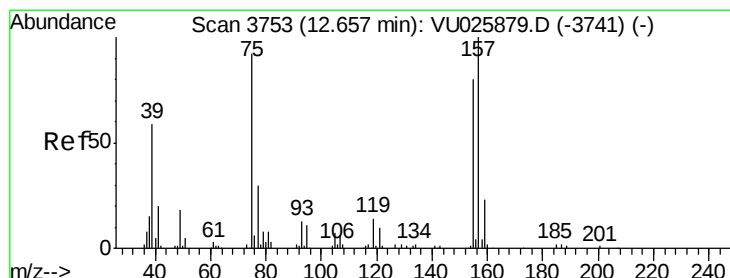
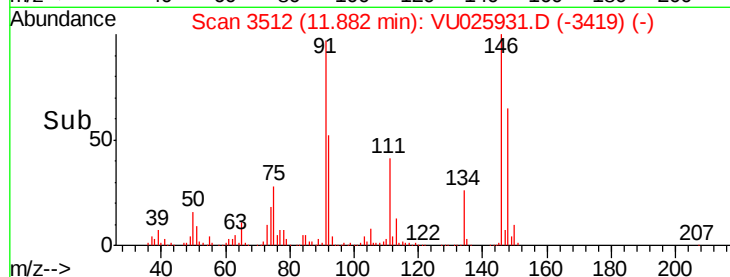
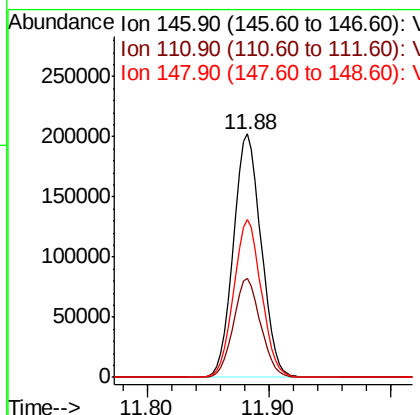
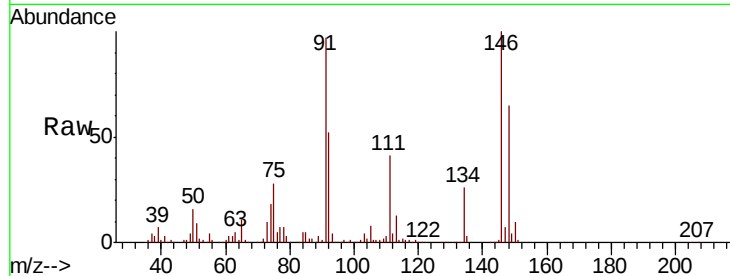
#91
 1,2-Dichlorobenzene
 Concen: 50.73 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.6	61.8
148	64.4	31.5	94.5

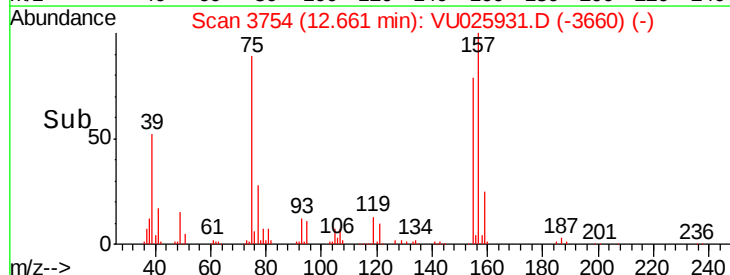
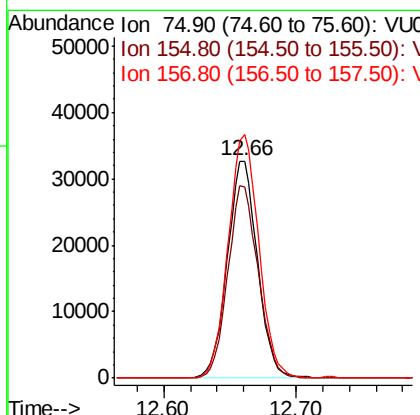
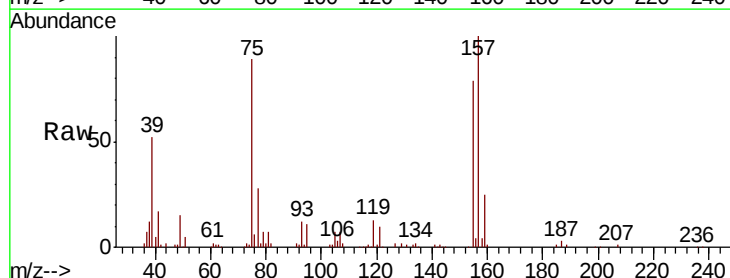
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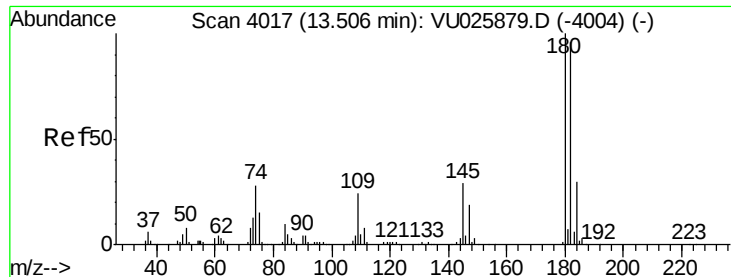
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.5	133.3
157	113.6	57.0	170.8





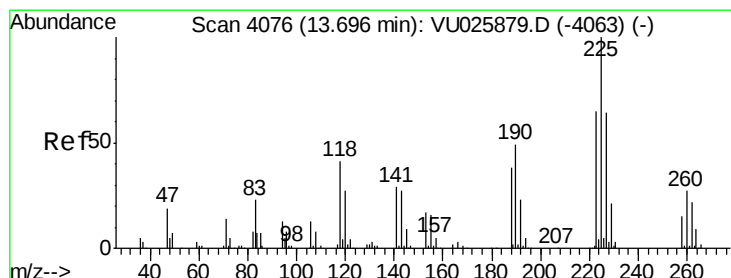
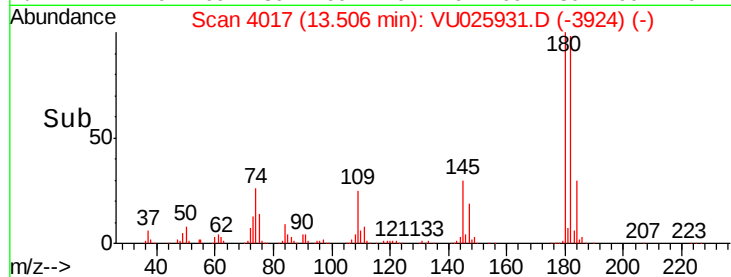
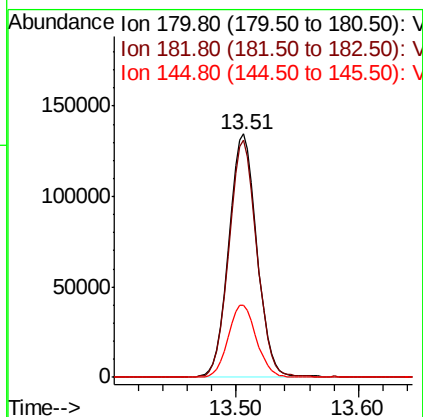
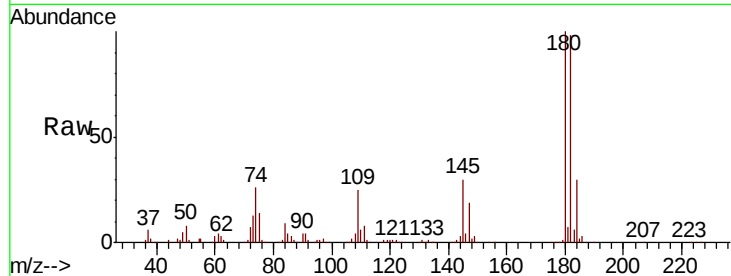
#93
 1,2,4-Trichlorobenzene
 Concen: 50.99 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.9
145	29.8	14.9	44.7

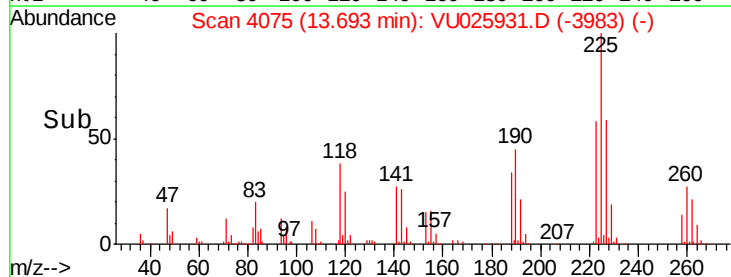
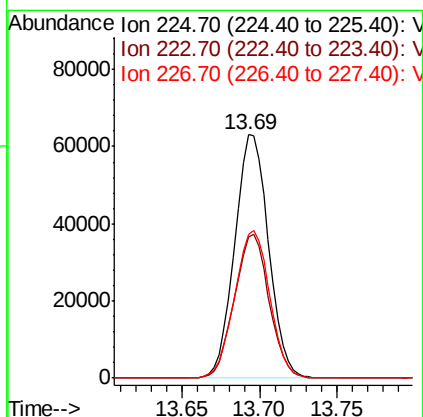
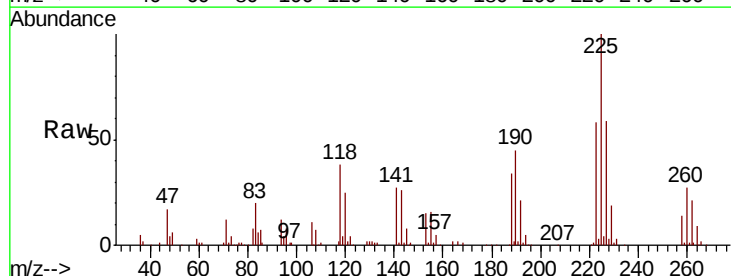
Manual Integrations
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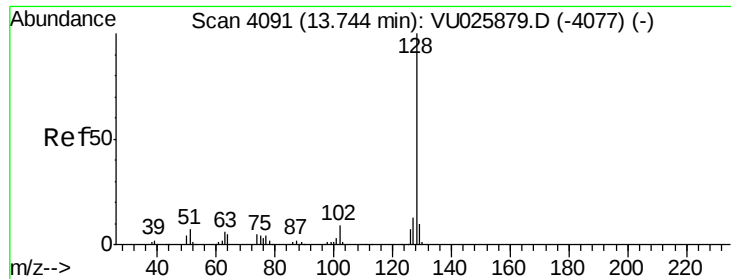
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#94
 Hexachlorobutadiene
 Concen: 42.82 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU025931.D
 Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.9	95.7
227	62.9	32.3	96.9





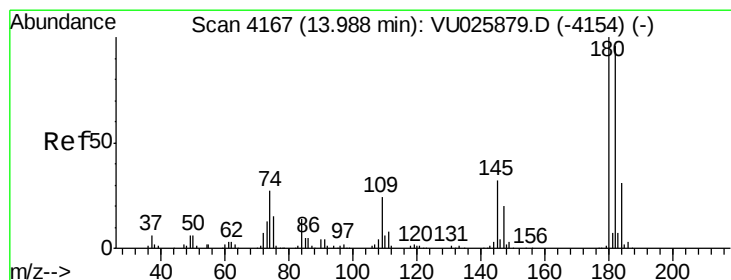
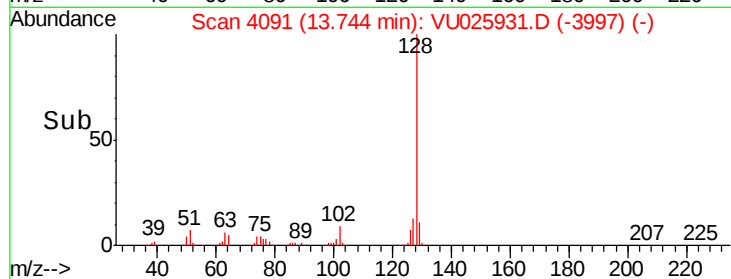
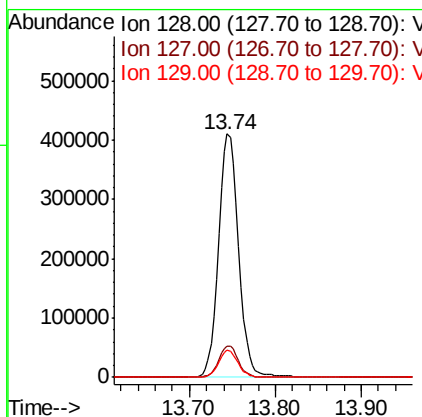
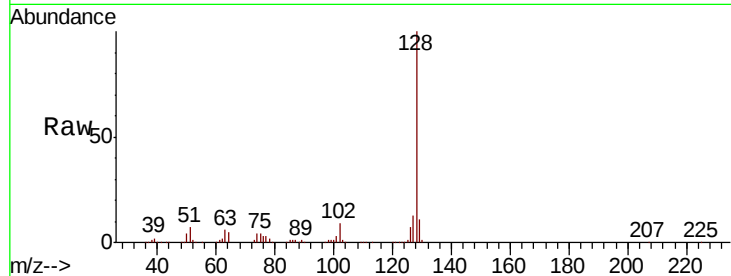
#95
Naphthalene
Concen: 48.85 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.70 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025931.D
Acq: 07 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	31.0	15.6	46.8

