

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025905.D
 Acq On : 06 Aug 2018 22:46
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:45 PM

Quant Time: Aug 07 04:24:07 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	179854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137624	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	4.89	113	114604	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	7.57	98	409143	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.31	95	158365	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	106555	39.20	ug/l	100
3) Chloromethane	1.33	50	108219	41.65	ug/l	99
4) Vinyl Chloride	1.40	62	115307	47.16	ug/l	98
5) Bromomethane	1.62	94	64797	54.26	ug/l	99
6) Chloroethane	1.70	64	69243	48.43	ug/l	97
7) Trichlorofluoromethane	1.89	101	172203	48.71	ug/l	98
8) Diethyl Ether	2.10	74	62187	48.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	101036	49.39	ug/l	99
10) Methyl Iodide	2.41	142	79231	42.98	ug/l	99
11) Tert butyl alcohol	2.83	59	140701	229.33	ug/l	99
12) 1,1-Dichloroethene	2.28	96	97050	50.26	ug/l	94
13) Acrolein	2.19	56	90461	408.41	ug/l	98
14) Allyl chloride	2.59	41	166175	47.88	ug/l	99
15) Acrylonitrile	2.94	53	326131	266.23	ug/l	100
16) Acetone	2.32	43	361743	264.77	ug/l	98
17) Carbon Disulfide	2.48	76	307591	49.22	ug/l	100
18) Methyl Acetate	2.62	43	151776	46.16	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	370673	52.97	ug/l	100
20) Methylene Chloride	2.70	84	117248	48.42	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	113062	50.65	ug/l	98
22) Diisopropyl ether	3.58	45	363268	53.12	ug/l	94
23) Vinyl Acetate	3.53	43	1601982	268.80	ug/l	99
24) 1,1-Dichloroethane	3.45	63	210767	51.34	ug/l	99
25) 2-Butanone	4.27	43	571717	307.40	ug/l	99
26) 2,2-Dichloropropane	4.23	77	154579	41.43	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128697	51.13	ug/l	97
28) Bromochloromethane	4.55	49	93590	50.99	ug/l	99
29) Tetrahydrofuran	4.64	42	289123	259.48	ug/l	99
30) Chloroform	4.68	83	217775	50.26	ug/l	100
31) Cyclohexane	5.00	56	184741	51.78	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	201850	51.74	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163693	51.39	ug/l	98
37) Ethyl Acetate	4.38	43	174052	52.70	ug/l	100
38) Carbon Tetrachloride	5.14	117	184627	51.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182651	50.05	ug/l	98
40) Benzene	5.39	78	463187	49.75	ug/l	99
41) Methacrylonitrile	4.55	41	95175	51.89	ug/l	97
42) 1,2-Dichloroethane	5.41	62	179877	50.18	ug/l	99
43) Isopropyl Acetate	5.55	43	279576	51.23	ug/l	98
44) Trichloroethene	6.19	130	131018	50.53	ug/l	98
45) 1,2-Dichloropropane	6.44	63	123070	50.69	ug/l	99
46) Dibromomethane	6.56	93	88757	50.45	ug/l	98
47) Bromodichloromethane	6.76	83	172425	51.38	ug/l	98
48) Methyl methacrylate	6.63	41	139158	52.03	ug/l	97
49) 1,4-Dioxane	6.62	88	59324	911.42	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1110830	325.12	ug/l	100
52) Toluene	7.64	92	296952	51.34	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	194821	51.70	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	198218	51.21	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	123195	51.25	ug/l	97
56) Ethyl methacrylate	8.02	69	186049	54.17	ug/l	97
57) 1,3-Dichloropropane	8.25	76	207581	51.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	349307	225.33	ug/l	99
59) 2-Hexanone	8.36	43	863929	322.57	ug/l	100
60) Dibromochloromethane	8.48	129	147012	51.86	ug/l	99
61) 1,2-Dibromoethane	8.59	107	136802	51.18	ug/l	99
64) Tetrachloroethene	8.23	164	120388	51.34	ug/l	98
65) Chlorobenzene	9.12	112	345677	50.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	132128	53.18	ug/l	99
67) Ethyl Benzene	9.25	91	583927	51.32	ug/l	100
68) m/p-Xylenes	9.38	106	457271	104.69	ug/l	100
69) o-Xylene	9.78	106	223268	52.30	ug/l	100
70) Styrene	9.80	104	373116	54.11	ug/l	98
71) Bromoform	9.96	173	116076	53.88	ug/l	# 100
73) Isopropylbenzene	10.17	105	596566	52.47	ug/l	100
74) N-amyl acetate	10.01	43	254341	54.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	198790	50.56	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	169366m	46.15	ug/l	
77) Bromobenzene	10.45	156	159431	50.84	ug/l	98
78) n-propylbenzene	10.59	91	696916	52.52	ug/l	99
79) 2-Chlorotoluene	10.66	91	410166	52.77	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	511395	52.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	62957m	43.01	ug/l	
82) 4-Chlorotoluene	10.78	91	487697	53.23	ug/l	99
83) tert-Butylbenzene	11.10	119	492197	51.31	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	529410	54.11	ug/l	98
85) sec-Butylbenzene	11.33	105	600739	51.29	ug/l	100
86) p-Isopropyltoluene	11.48	119	542714	51.75	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294994	50.68	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	299943	49.43	ug/l	100
89) n-Butylbenzene	11.89	91	477399	49.33	ug/l	100
90) Hexachloroethane	12.15	117	93843	50.33	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	293518	51.45	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48337	51.86	ug/l	99

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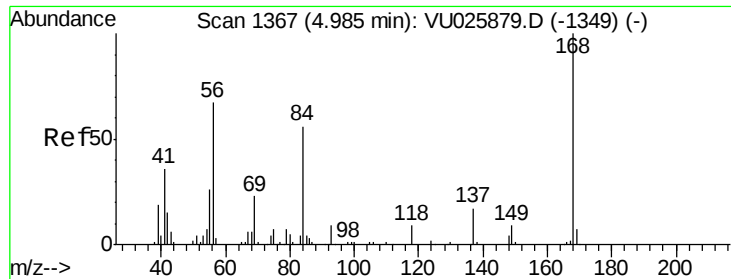
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	201898	52.43	ug/l	99
94) Hexachlorobutadiene	13.70	225	88378	43.54	ug/l	96
95) Naphthalene	13.74	128	625196	50.53	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202909	52.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 179854

Ion Ratio Lower Upper

168 100

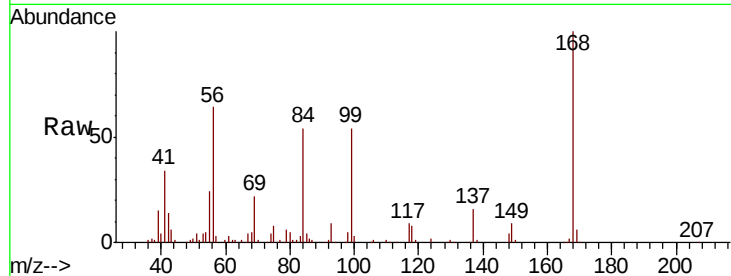
99 54.1 42.8 64.2

Manual Integrations

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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) (-)

80000

60000

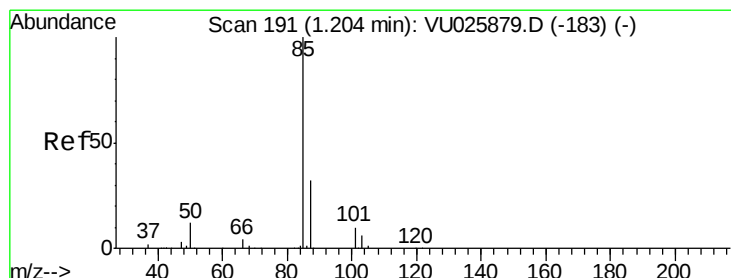
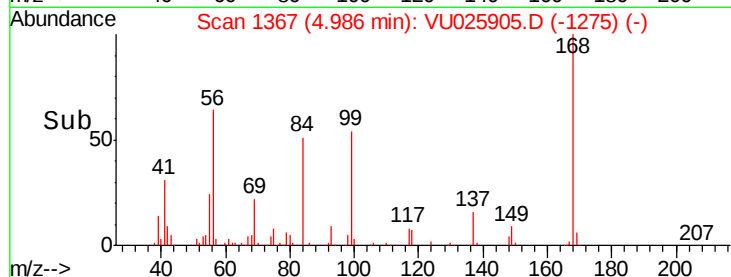
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.20 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025905.D

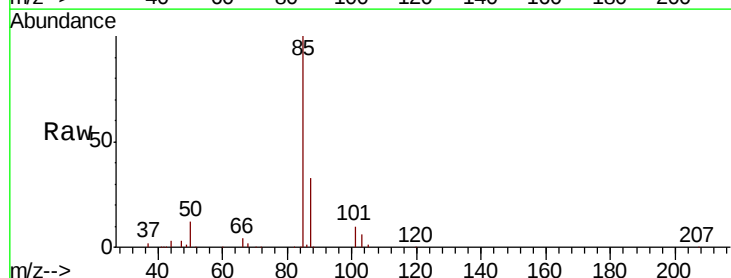
Acq: 06 Aug 2018 22:46

Tgt Ion: 85 Resp: 106555

Ion Ratio Lower Upper

85 100

87 32.9 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) (-)

120000

100000

80000

60000

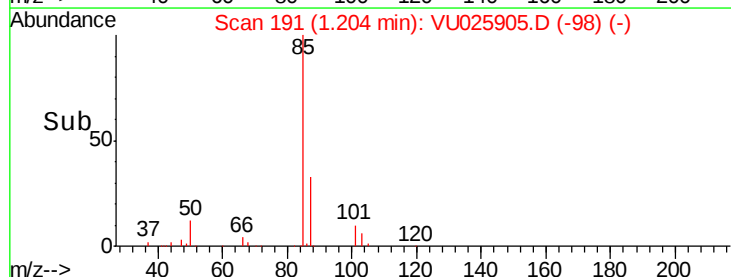
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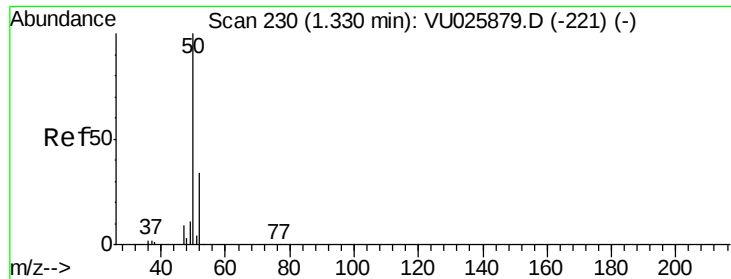
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.65 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108219

Ion Ratio Lower Upper

50 100

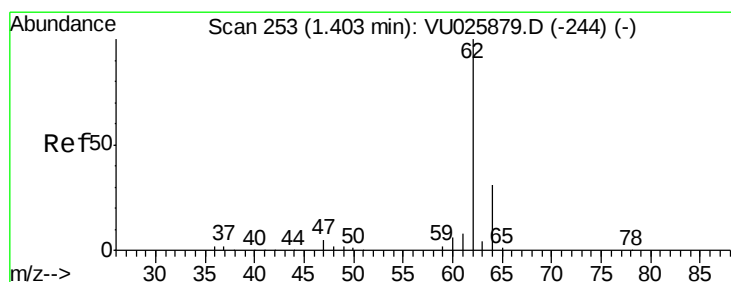
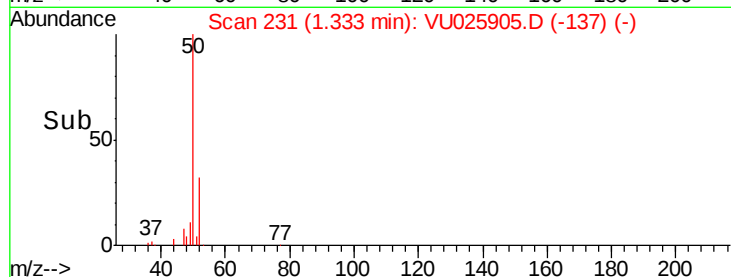
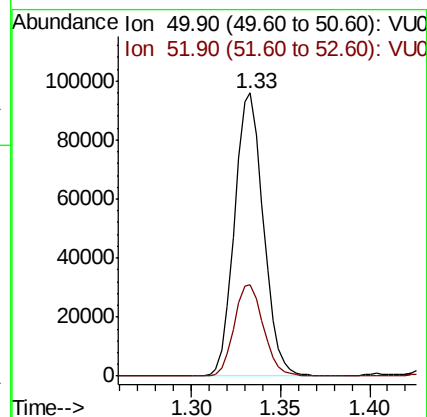
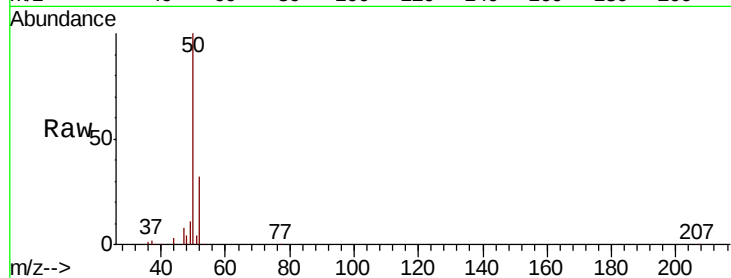
52 32.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.16 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025905.D

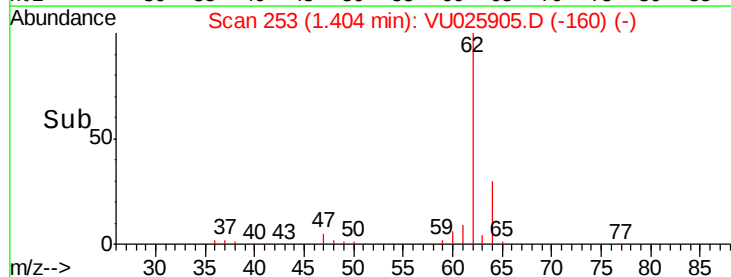
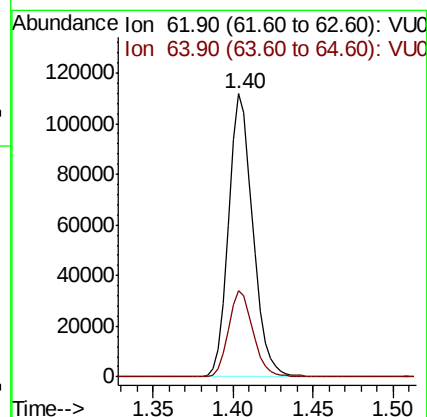
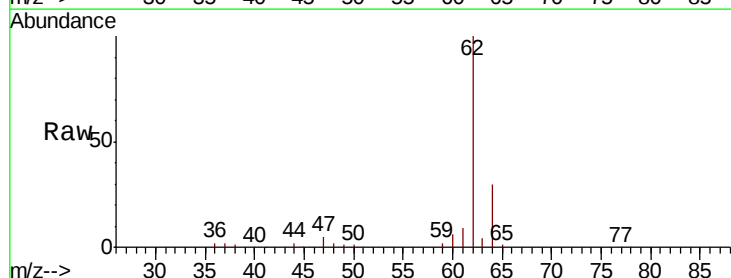
Acq: 06 Aug 2018 22:46

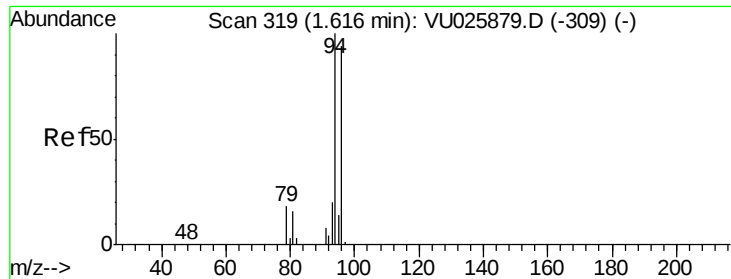
Tgt Ion: 62 Resp: 115307

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.0





#5

Bromomethane

Concen: 54.26 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64797

Ion Ratio Lower Upper

94 100

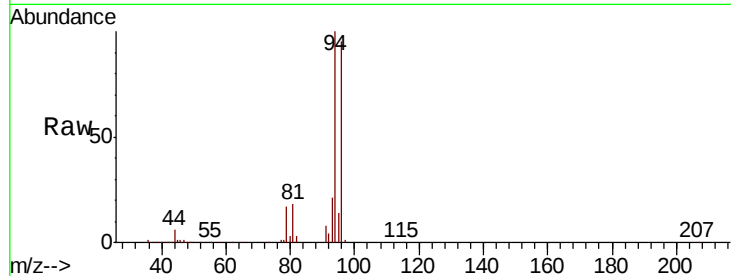
96 95.0 75.0 112.4

Manual Integrations

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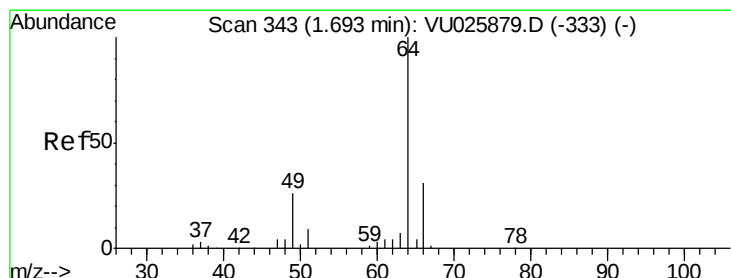
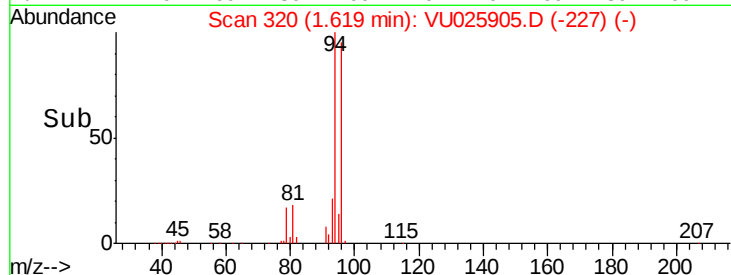
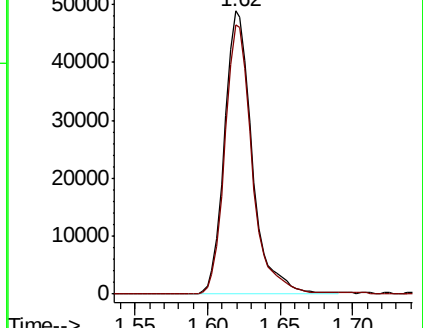
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Abundance Ion 93.90 (93.60 to 94.60): VU025905.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025905.D (-227) (-)



#6

Chloroethane

Concen: 48.43 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025905.D

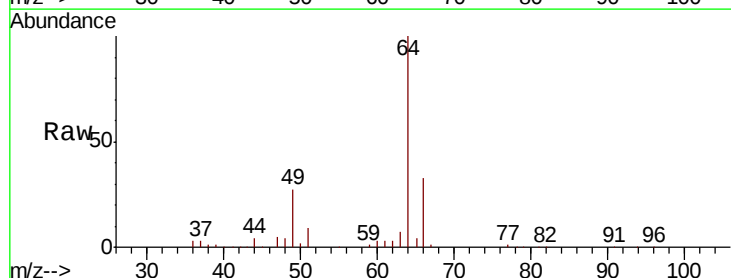
Acq: 06 Aug 2018 22:46

Tgt Ion: 64 Resp: 69243

Ion Ratio Lower Upper

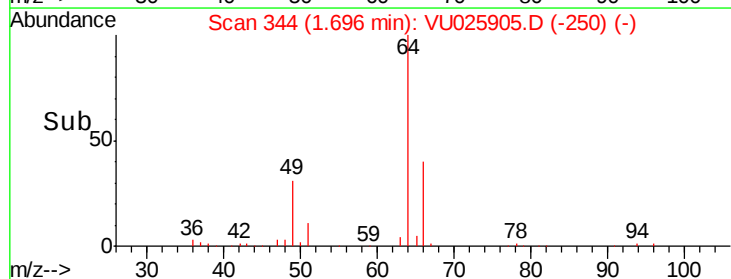
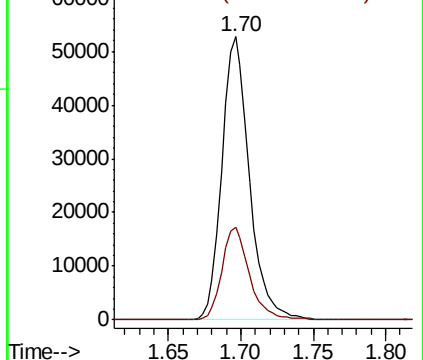
64 100

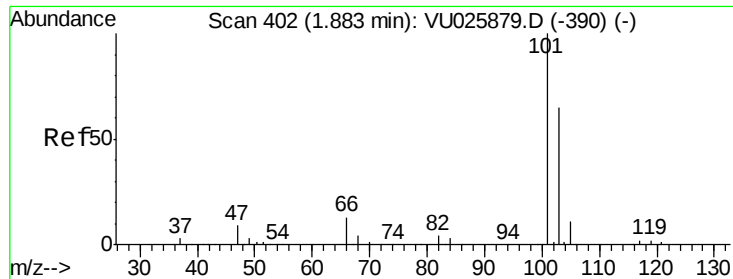
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025905.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025905.D (-250) (-)





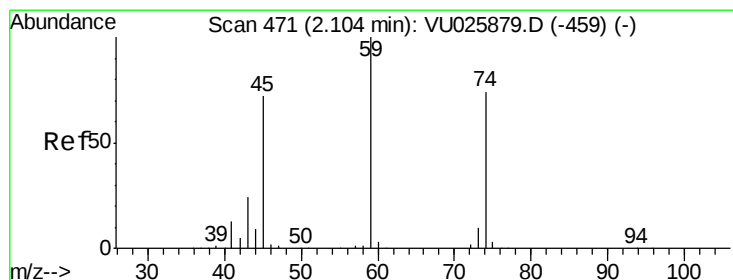
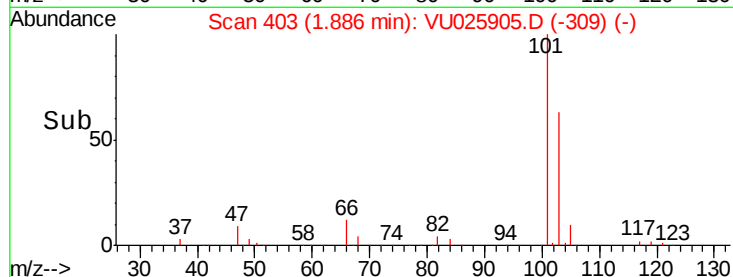
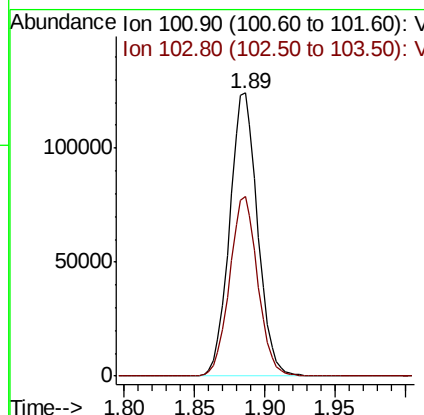
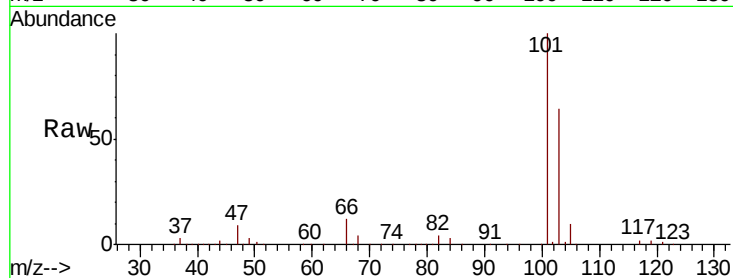
#7
 Trichlorofluoromethane
 Concen: 48.71 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 172203
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.2

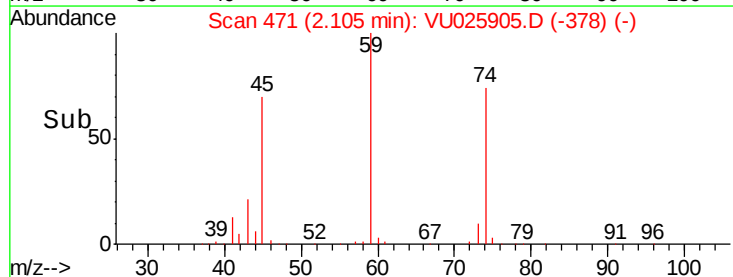
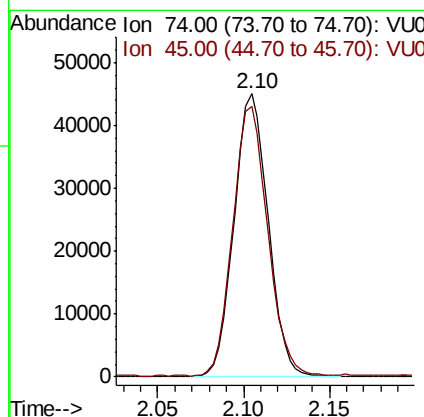
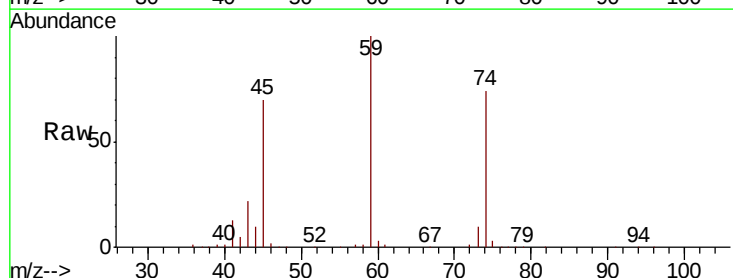
Manual Integrations
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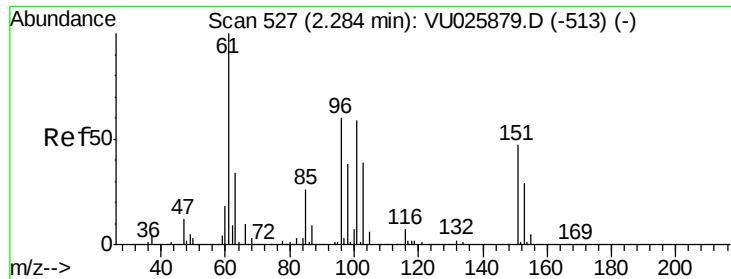
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#8
 Diethyl Ether
 Concen: 48.62 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 74 Resp: 62187
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.39 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

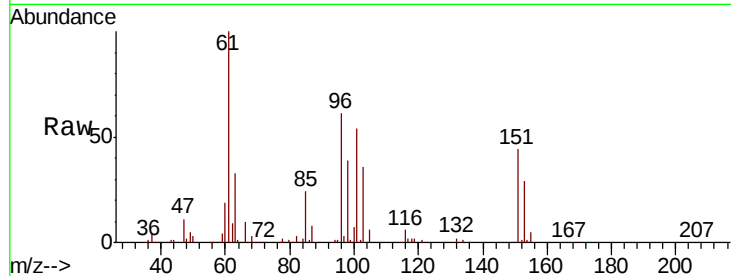
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VSTDCCC050EC

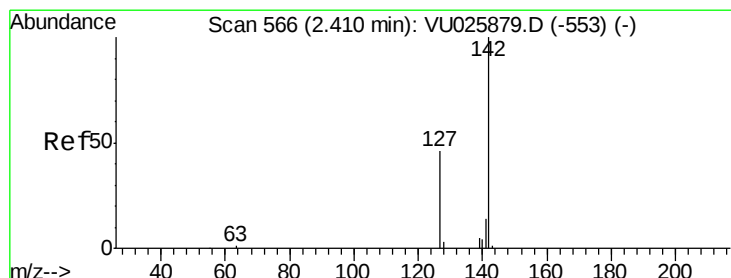
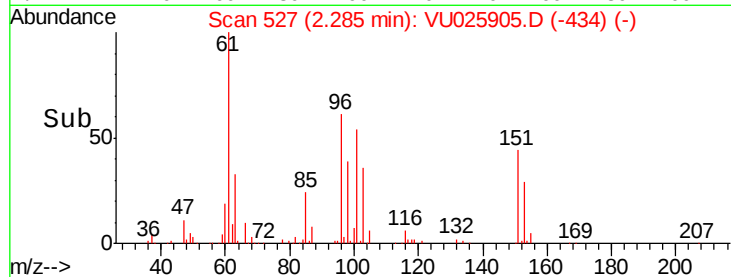
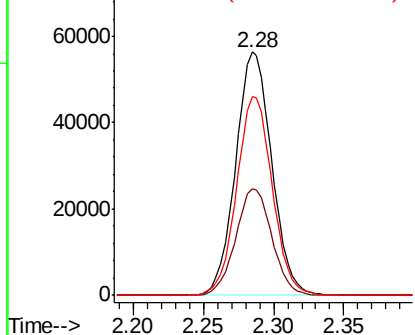
Tot Ion	Ratio	Resp	Lower	Upper
101	100	101036		
85	44.1	36.0	54.0	
151	80.8	65.6	98.4	

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



#10

Methyl Iodide

Concen: 42.98 ug/l

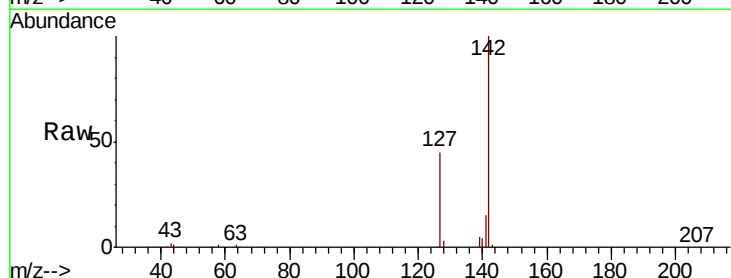
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

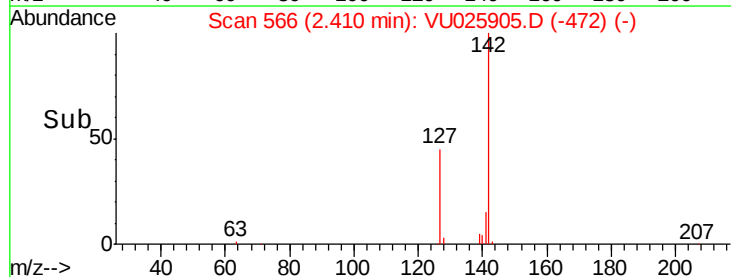
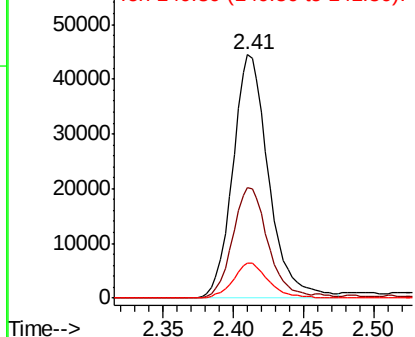
Lab File: VU025905.D

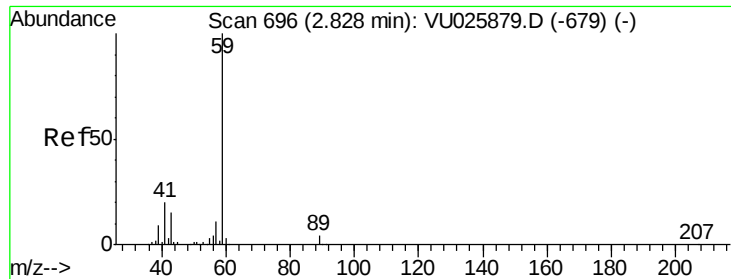
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	79231		
127	44.4	36.5	54.7	
141	14.4	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

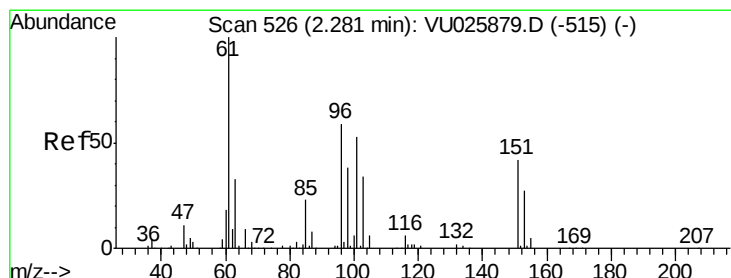
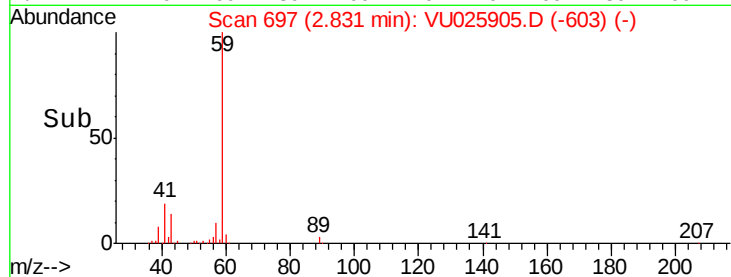
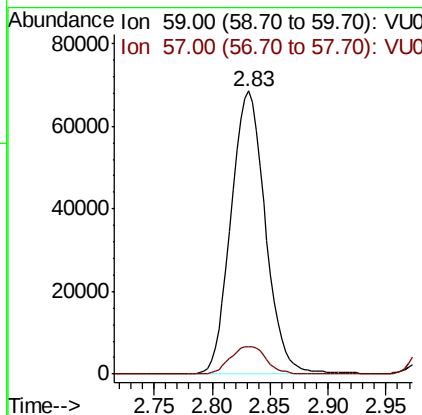
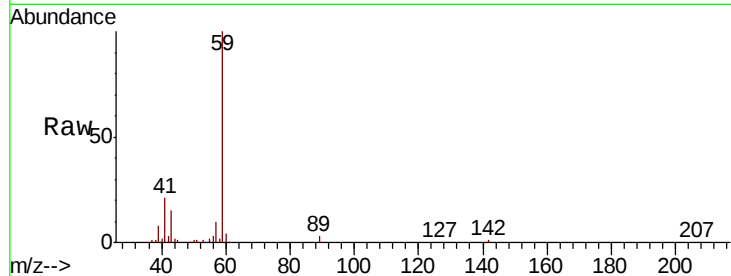
Tert butyl alcohol
Concen: 229.33 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	140701
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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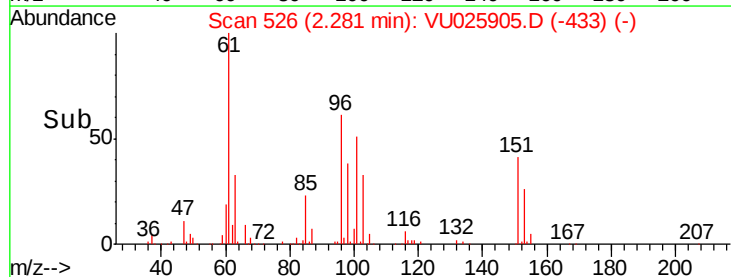
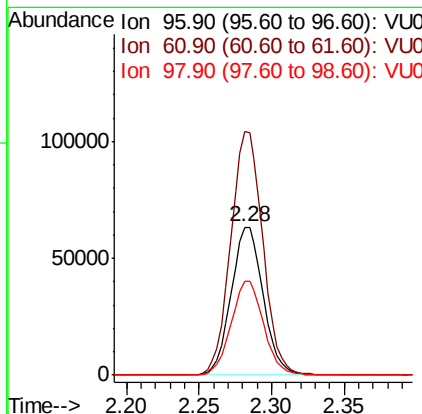
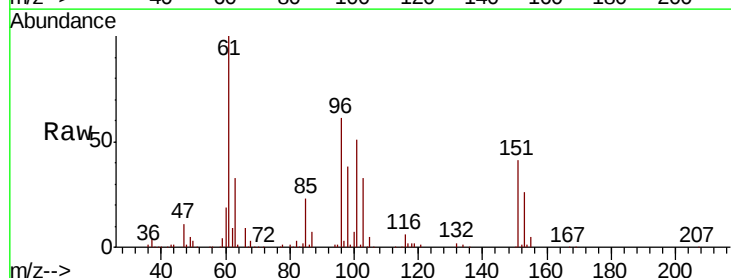
MMDadoda
8/7/2018 1:51:45 PM

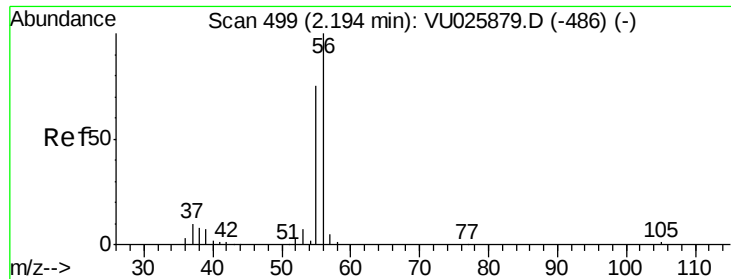


#12

1,1-Dichloroethene
Concen: 50.26 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	96	Resp	97050
Ion	Ratio	Lower	Upper
96	100		
61	164.5	140.2	210.4
98	63.3	49.3	73.9





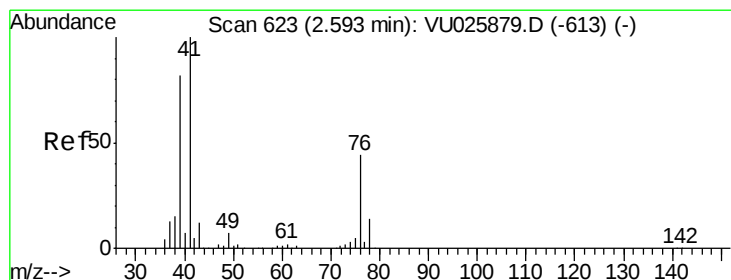
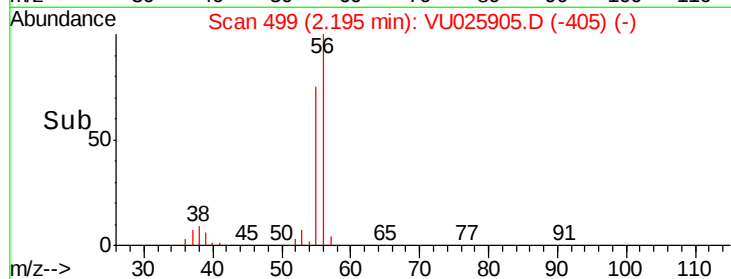
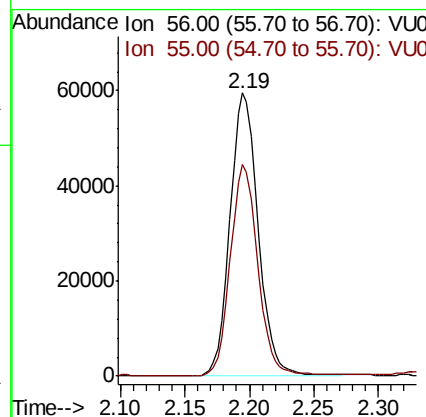
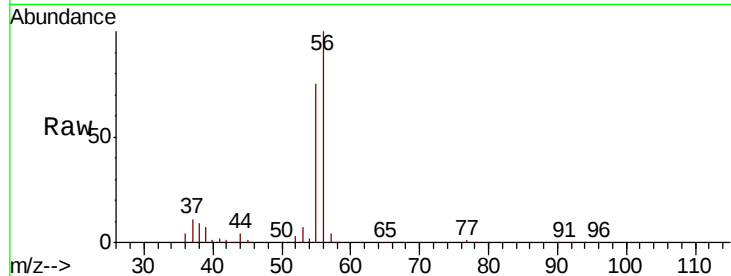
#13
Acrolein
Concen: 408.41 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	90461
Ion Ratio	100	Lower	Upper
55	73.5	57.2	85.8

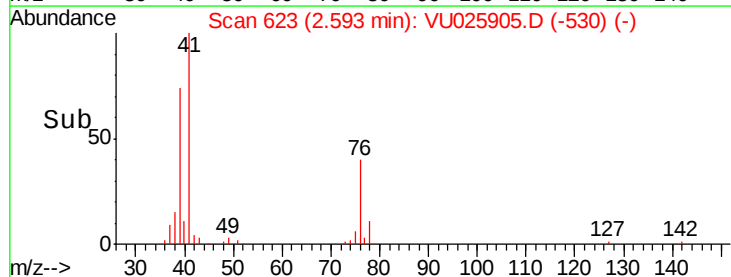
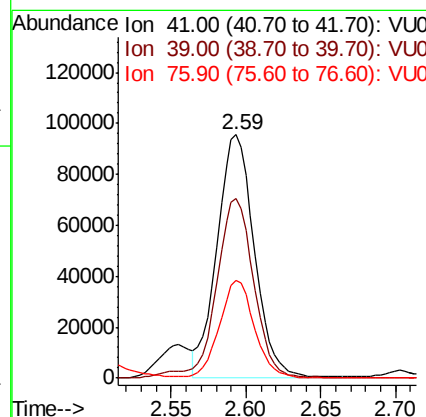
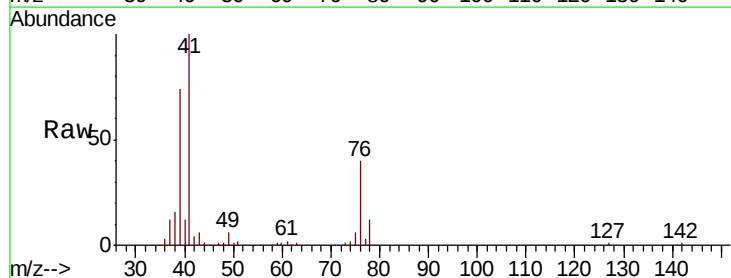
Manual Integrations
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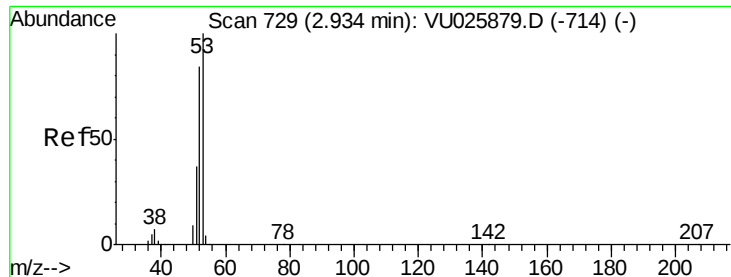
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#14
Allyl chloride
Concen: 47.88 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	41	Resp	166175
Ion Ratio	100	Lower	Upper
39	74.2	60.6	91.0
76	38.1	30.5	45.7





#15

Acrylonitrile

Concen: 266.23 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

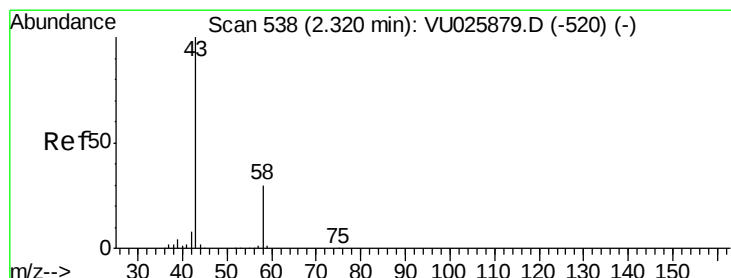
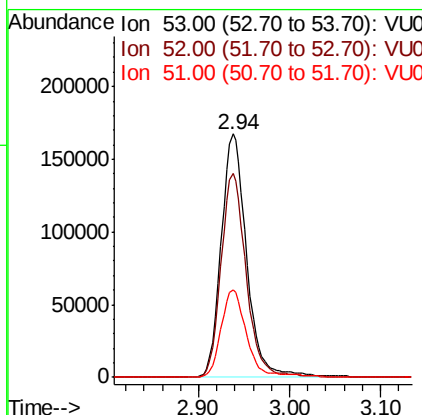
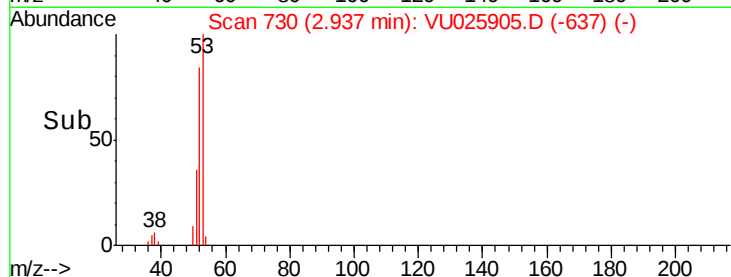
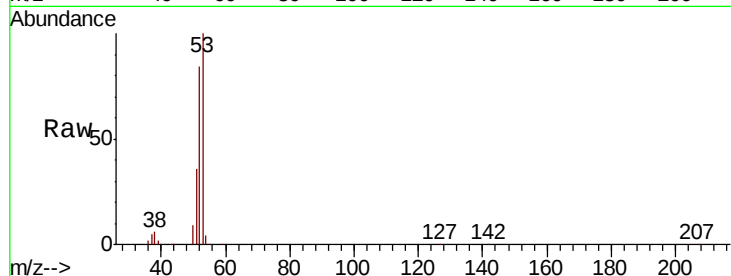
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	326131
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	99.8
51	36.4	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 264.77 ug/l

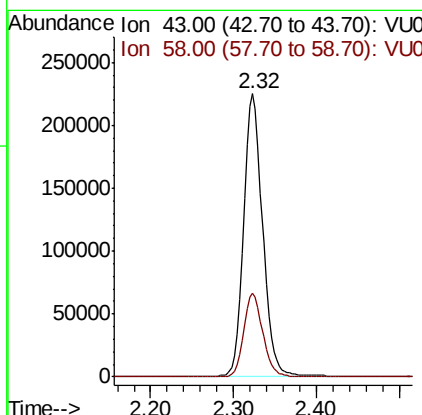
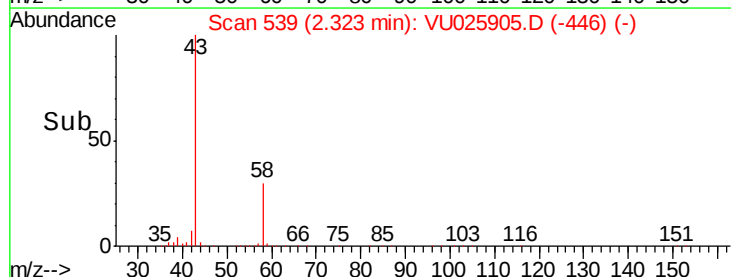
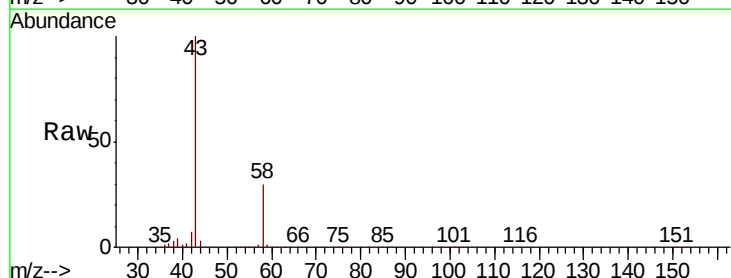
RT: 2.32 min Scan# 539

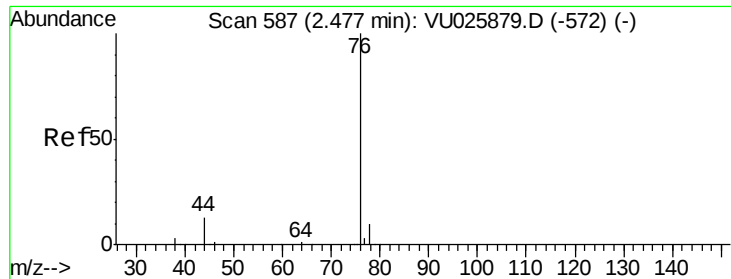
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	43	Resp:	361743
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.1	34.7





#17

Carbon Disulfide

Concen: 49.22 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 307591

Ion Ratio Lower Upper

76 100

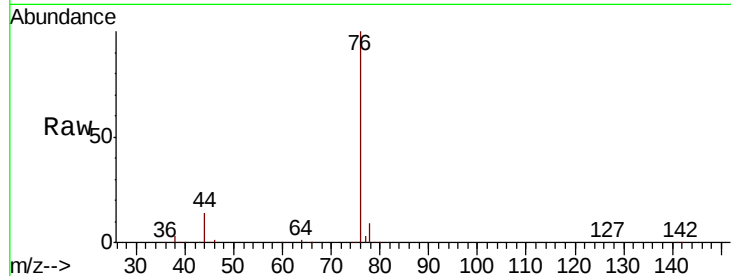
78 9.4 7.4 11.2

Manual Integrations

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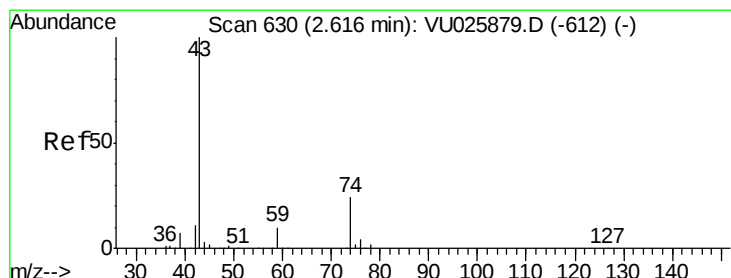
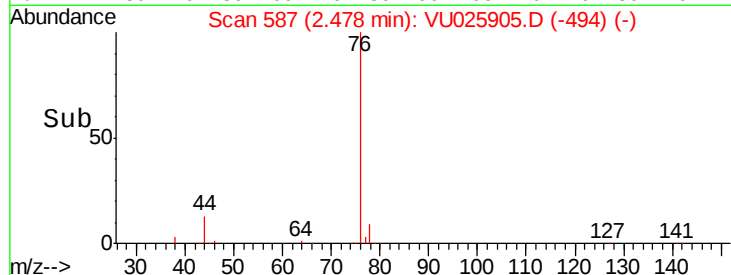
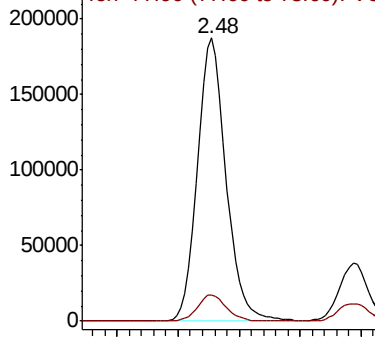
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 46.16 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025905.D

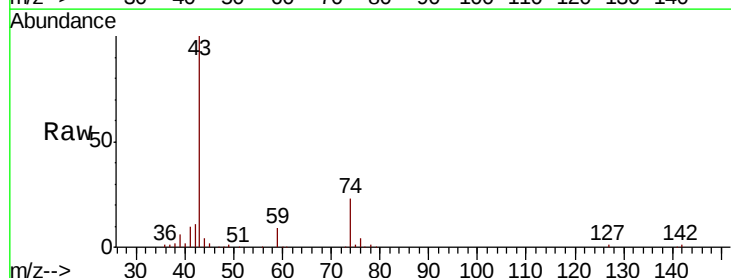
Acq: 06 Aug 2018 22:46

Tgt Ion: 43 Resp: 151776

Ion Ratio Lower Upper

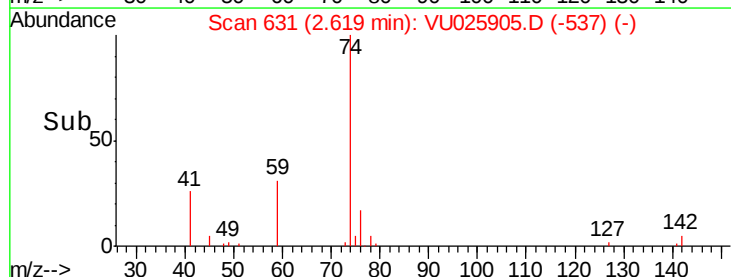
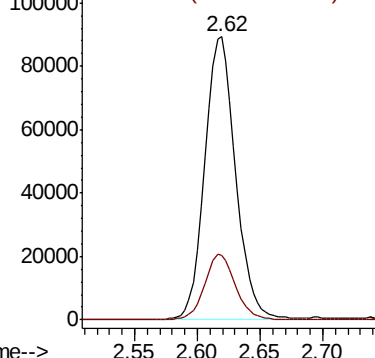
43 100

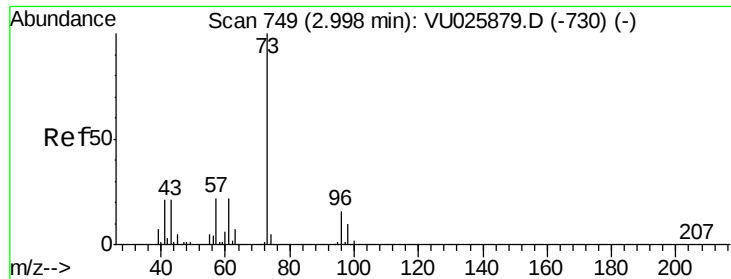
74 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





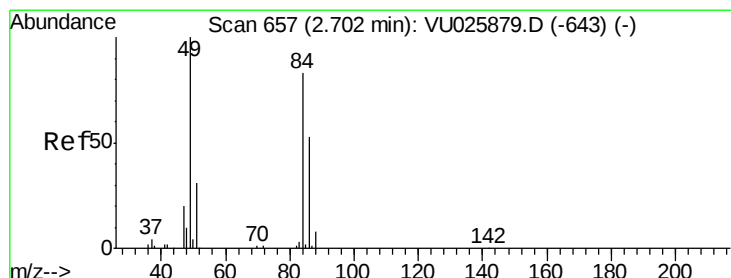
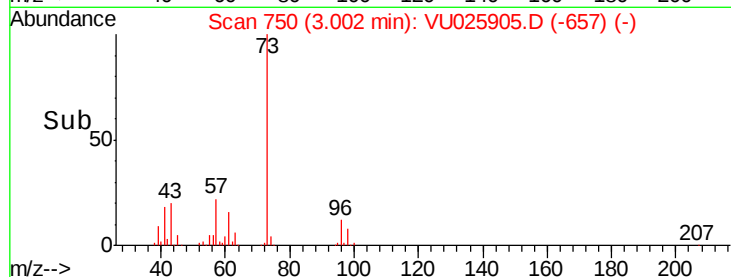
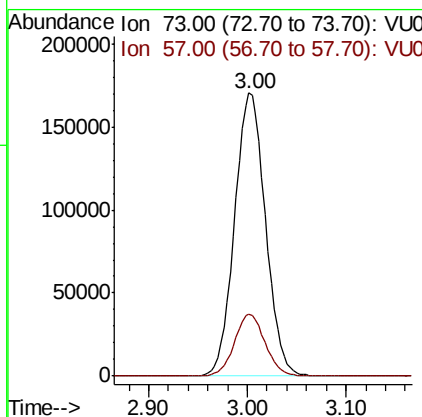
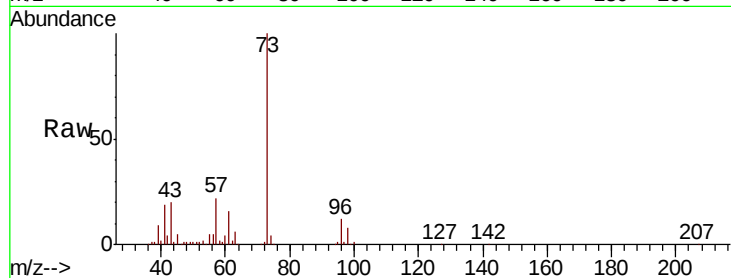
#19
Methvl tert-butvl Ether
Concen: 52.97 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

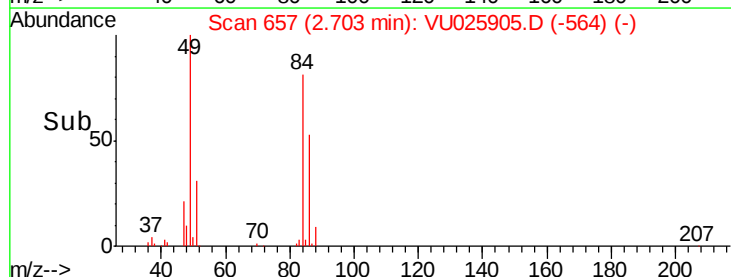
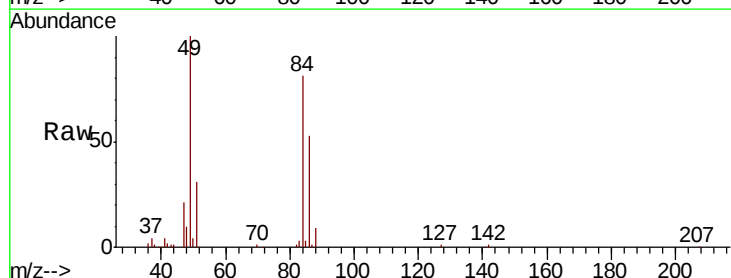
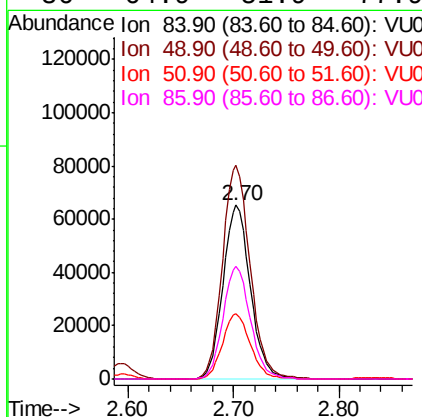
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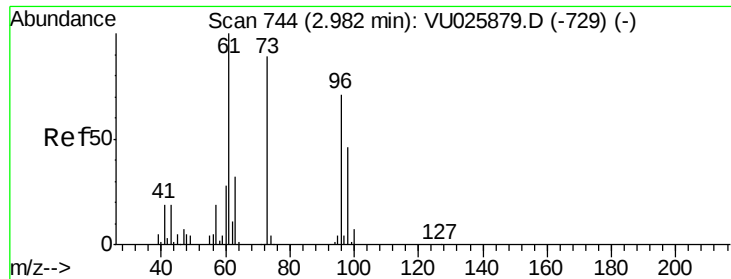
MMDadoda
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#20
Methylene Chloride
Concen: 48.42 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.9	101.8	152.6
51	37.7	30.8	46.2
86	64.9	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 50.65 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

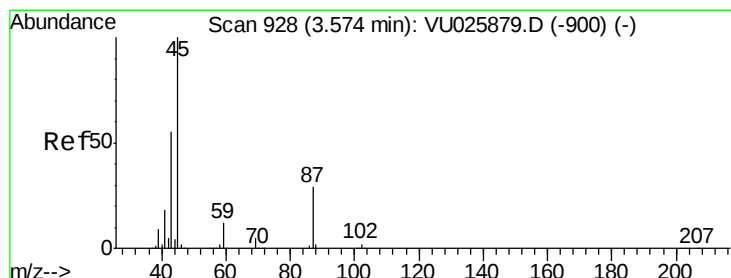
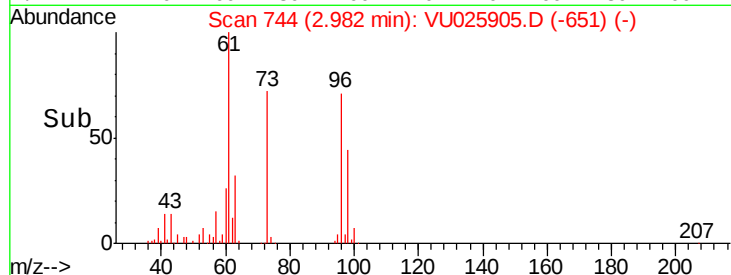
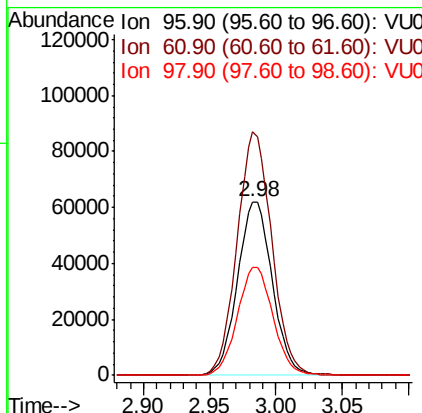
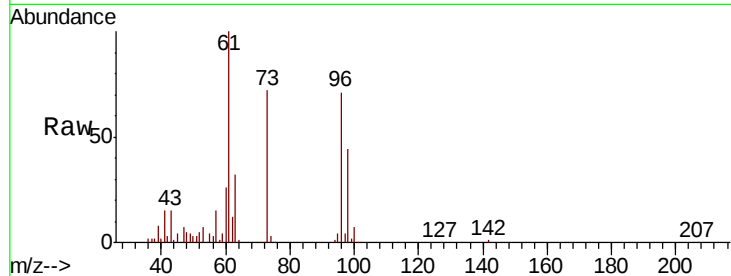
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	113062
Ion	Ratio	Lower	Upper
96	100		
61	140.1	114.5	171.7
98	62.2	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.12 ug/l

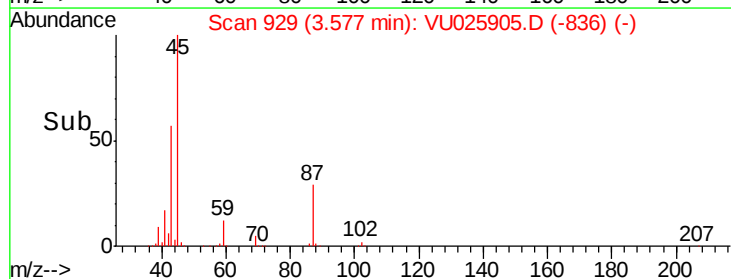
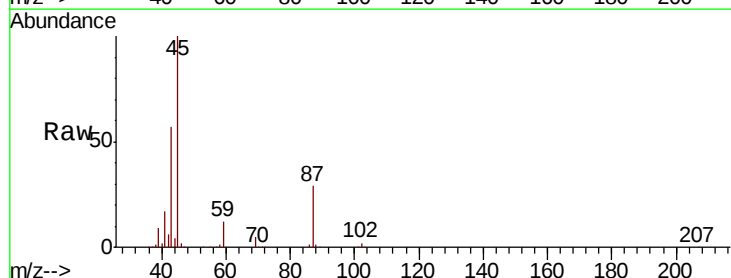
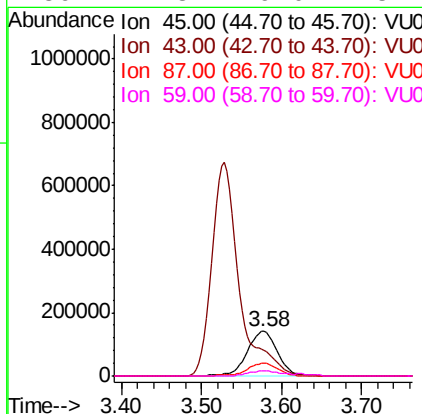
RT: 3.58 min Scan# 929

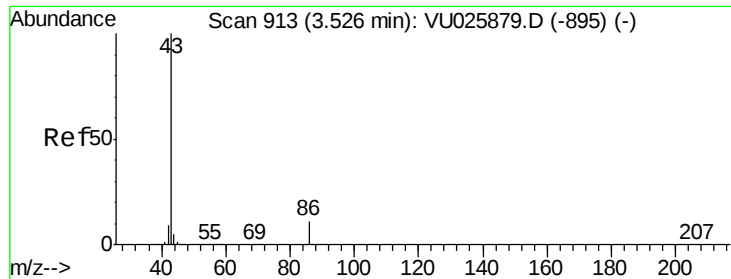
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	45	Resp:	363268
Ion	Ratio	Lower	Upper
45	100		
43	56.4	50.9	76.3
87	29.0	23.8	35.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 268.80 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tot Ion: 43 Resp: 1601982

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

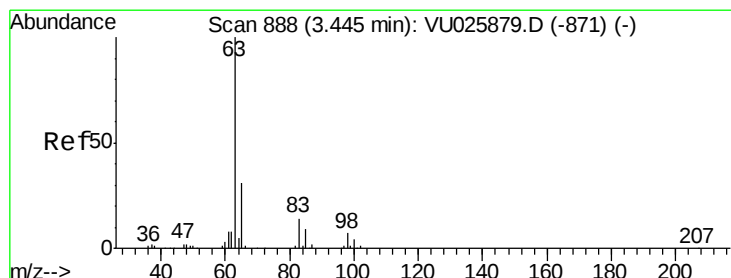
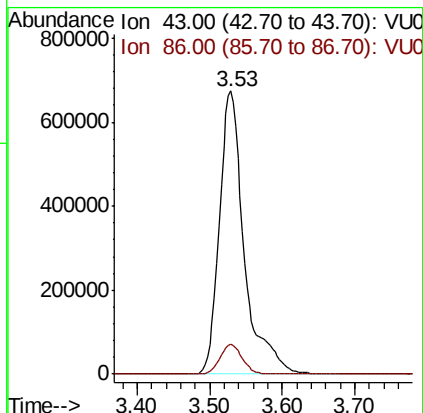
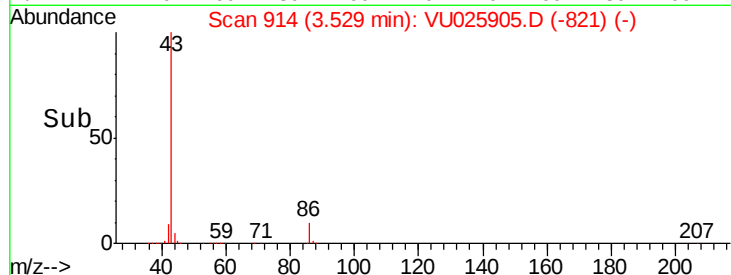
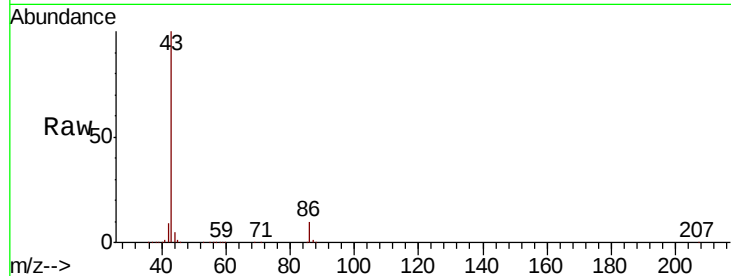
VSTDCCC050EC

Manual Integrations

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8/7/2018 1:51:45 PM



#24

1,1-Dichloroethane

Concen: 51.34 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

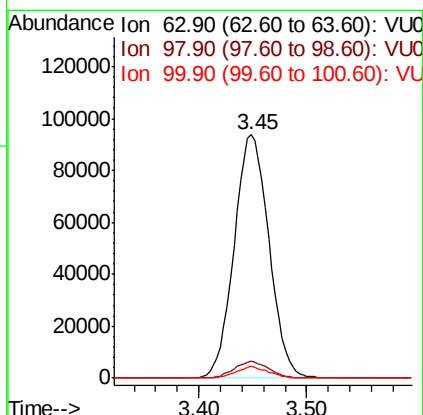
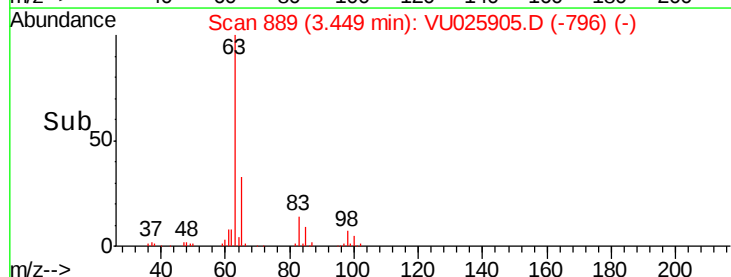
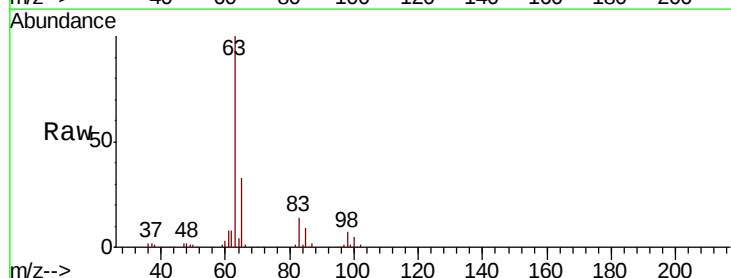
Tgt Ion: 63 Resp: 210767

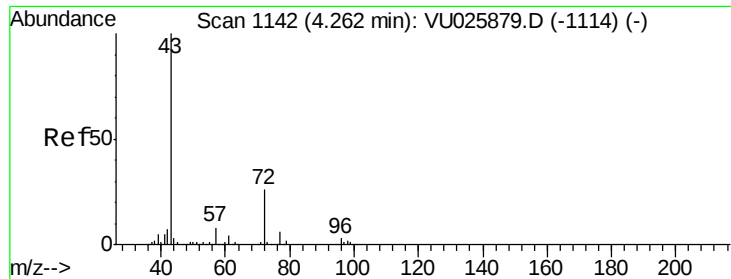
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.7 2.0 6.0





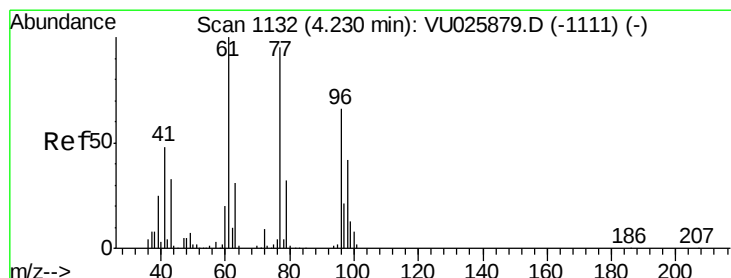
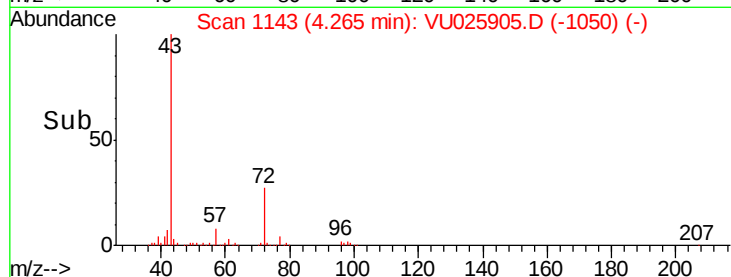
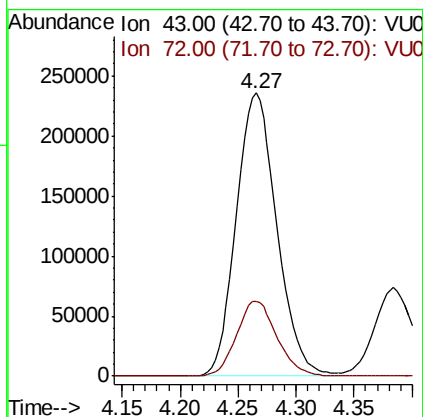
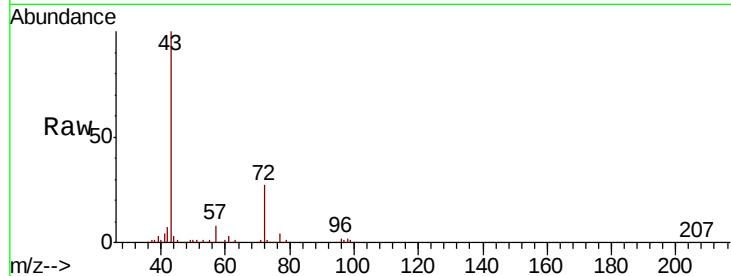
#25
 2-Butanone
 Concen: 307.40 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	571717
Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.0	31.4

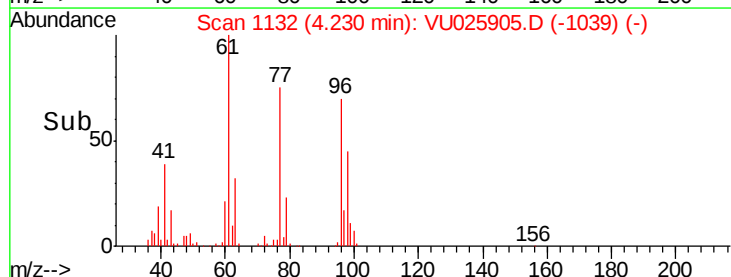
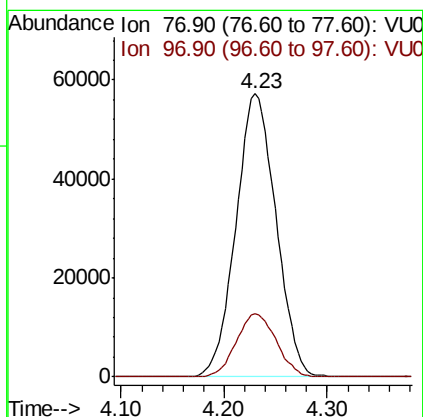
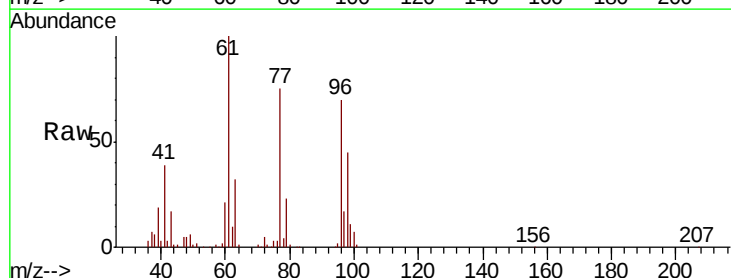
Manual Integrations
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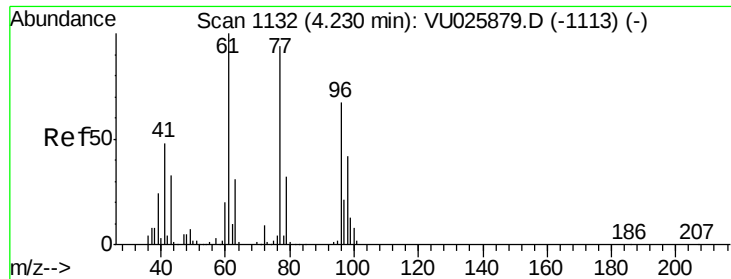
MMDadoda
 8/7/2018 1:51:45 PM



#26
 2,2-Dichloropropane
 Concen: 41.43 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	77	Resp	154579
Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.2	33.5





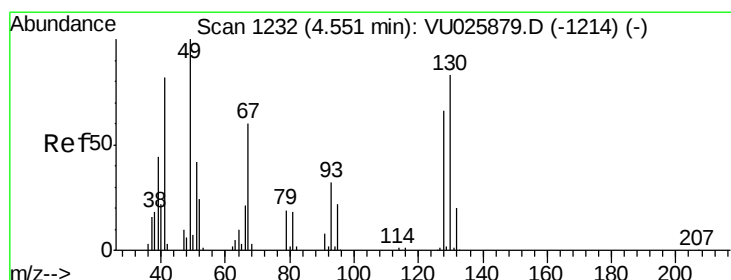
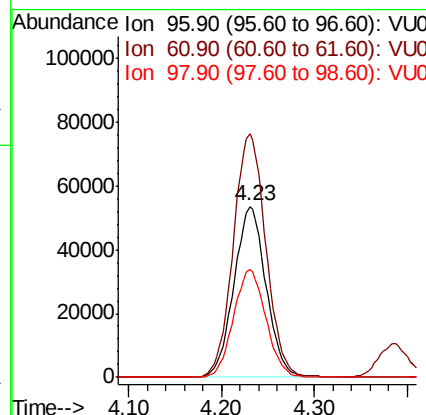
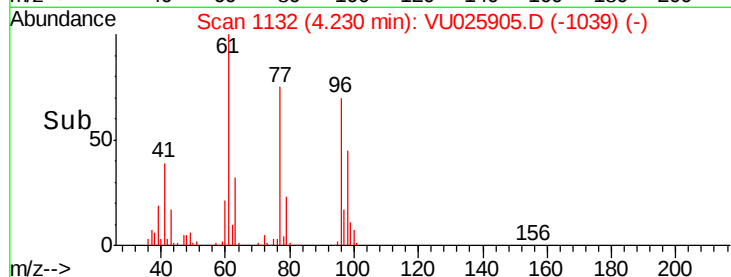
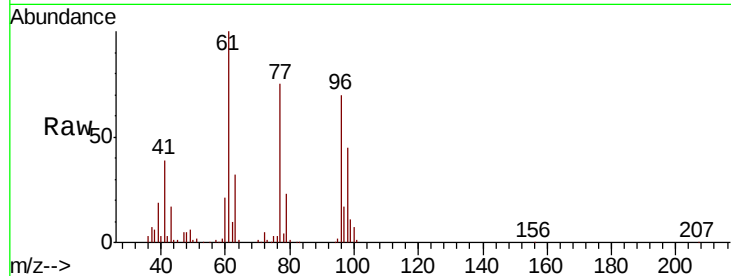
#27
 cis-1,2-Dichloroethene
 Concen: 51.13 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128697		
61	144.1	0.0	299.8	
98	63.6	0.0	128.6	

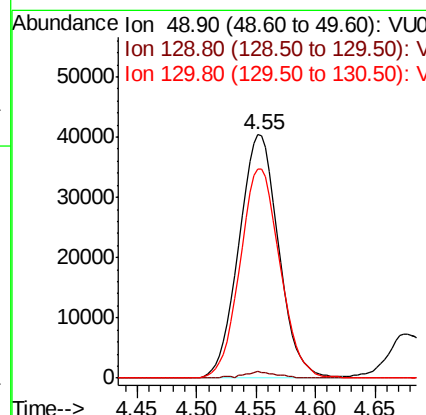
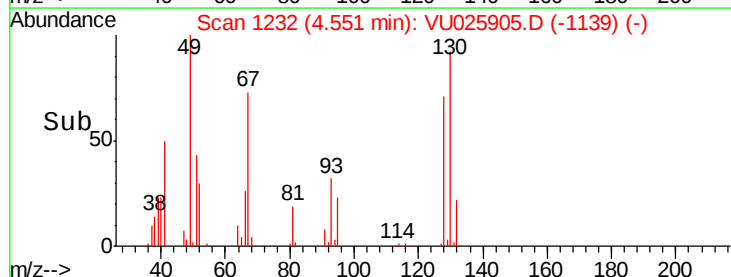
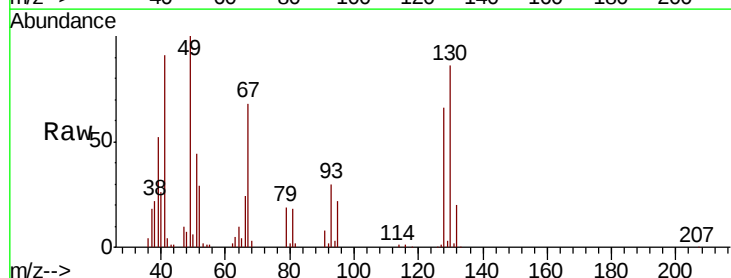
Manual Integrations
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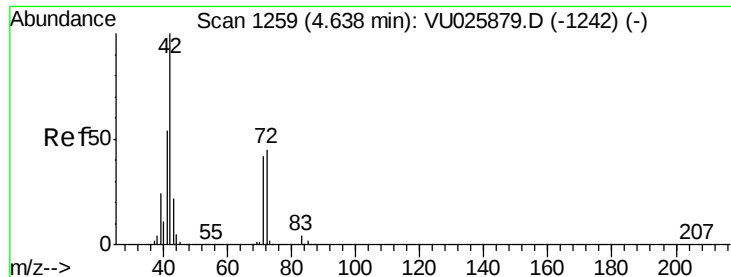
MMDadoda
 8/7/2018 1:51:45 PM



#28
 Bromochloromethane
 Concen: 50.99 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93590		
129	2.0	0.0	4.6	
130	86.2	68.6	102.8	





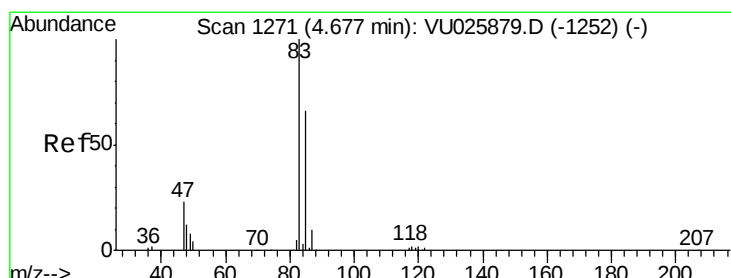
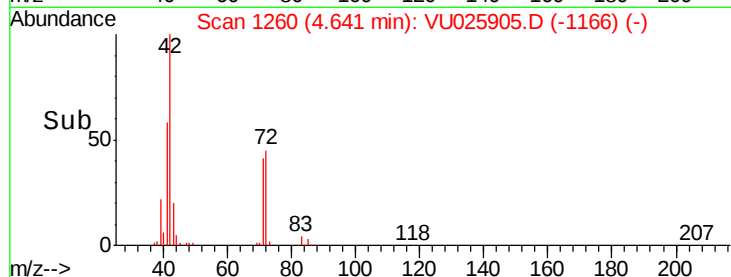
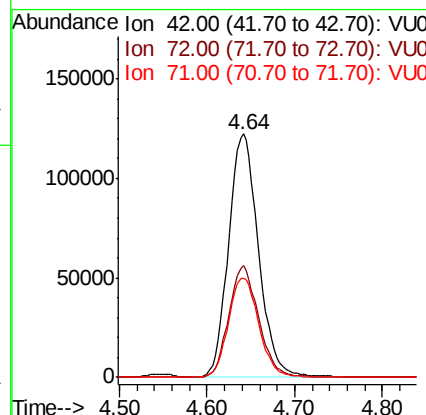
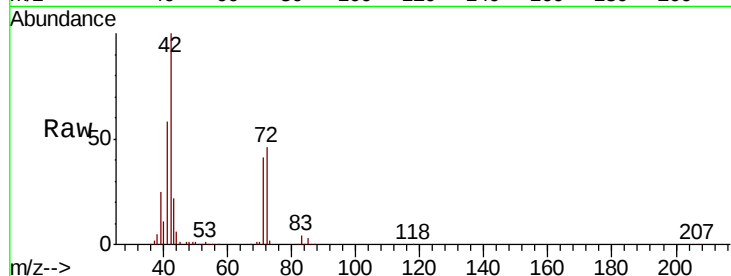
#29
Tetrahydrofuran
Concen: 259.48 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.7	55.1
71	41.6	33.9	50.9

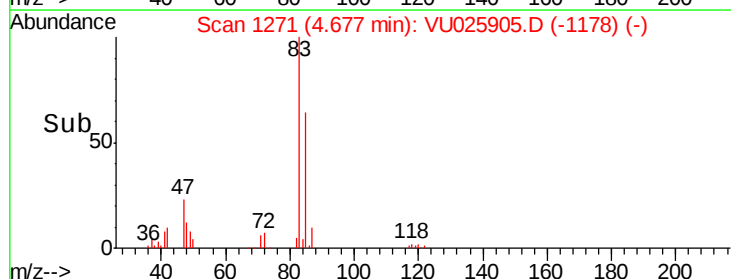
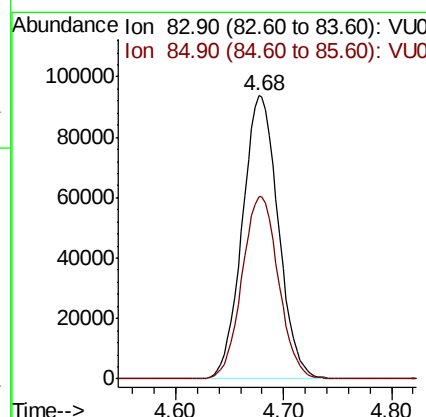
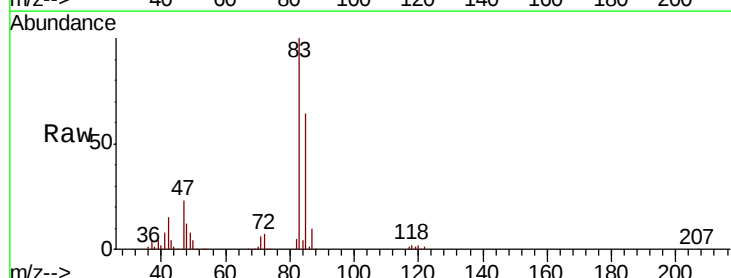
Manual Integrations
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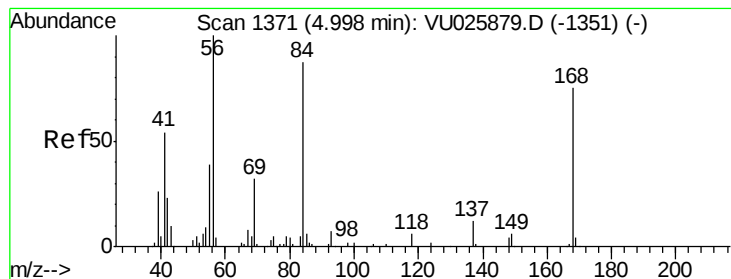
MMDadoda
8/7/2018 1:51:45 PM



#30
Chloroform
Concen: 50.26 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





#31

Cyclohexane

Concen: 51.78 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 184741

Ion Ratio Lower Upper

56 100

69 33.1 26.8 40.2

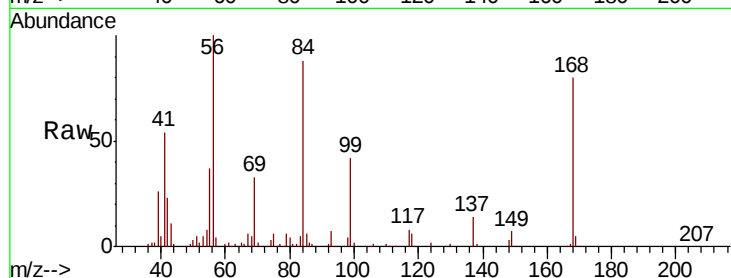
84 86.6 69.7 104.5

Manual Integrations

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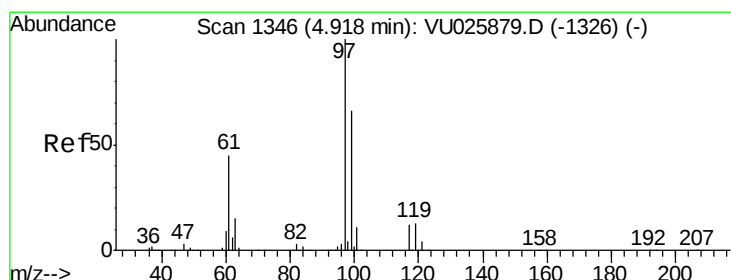
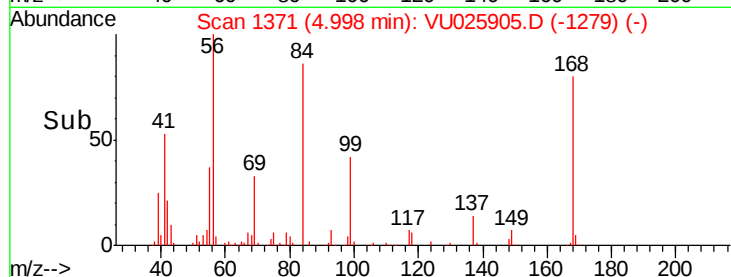
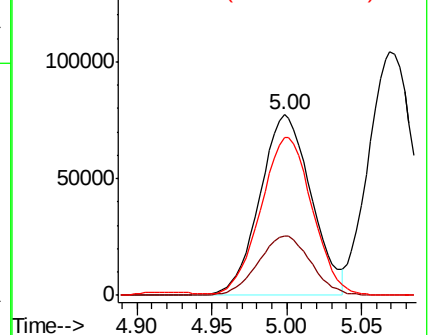
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 51.74 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

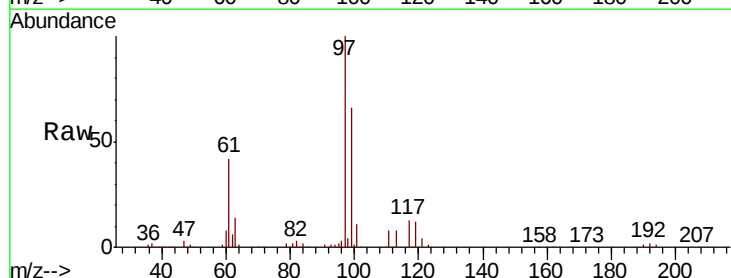
Tgt Ion: 97 Resp: 201850

Ion Ratio Lower Upper

97 100

99 65.1 50.8 76.2

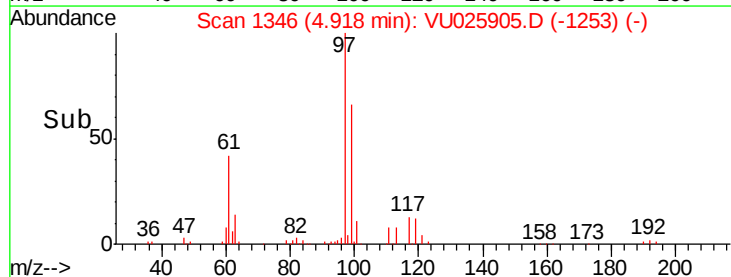
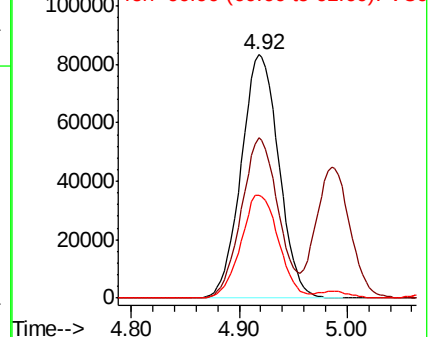
61 42.6 35.2 52.8

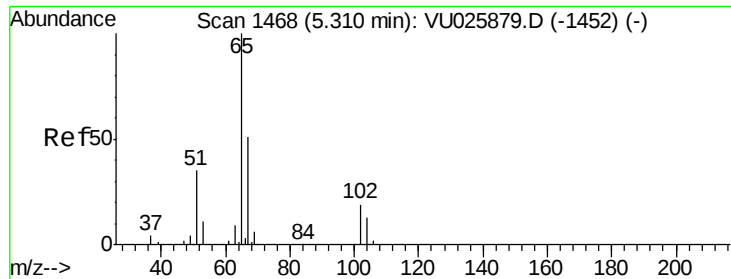


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





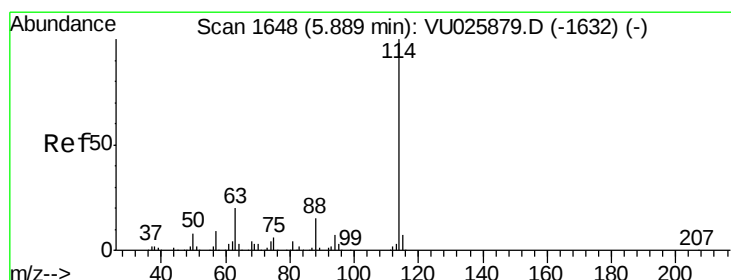
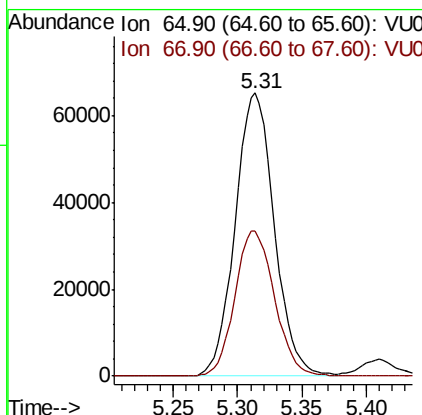
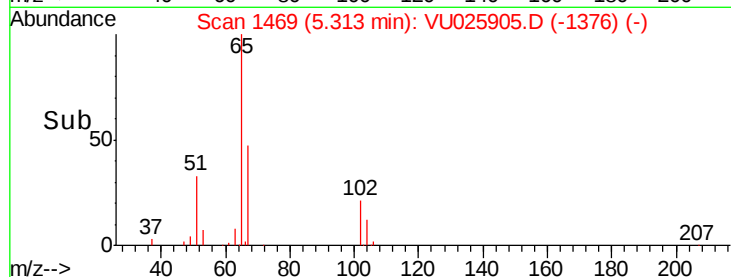
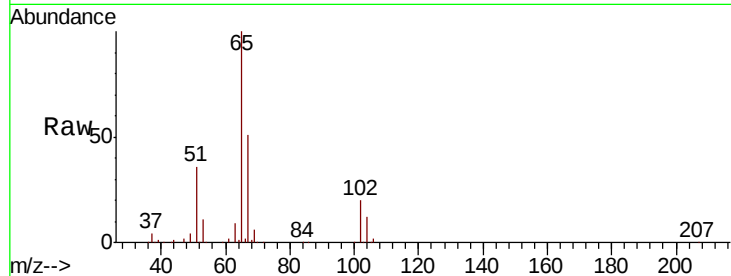
#33
 1,2-Dichloroethane-d4
 Concen: 49.11 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.6

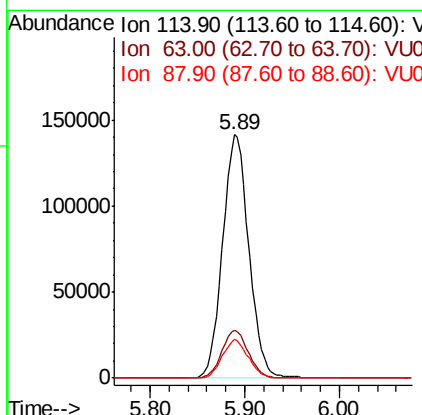
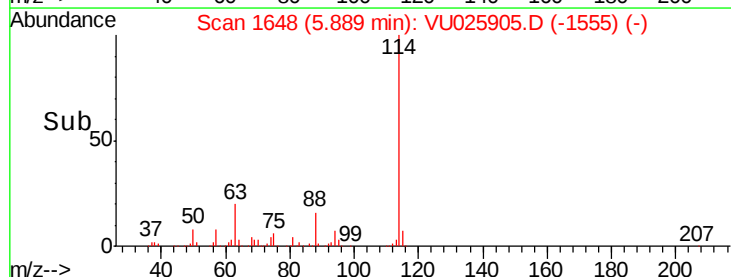
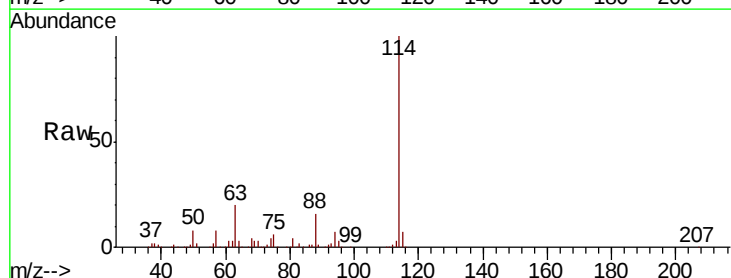
Manual Integrations
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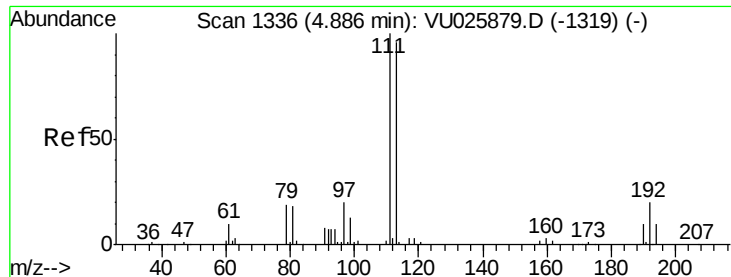
MMDadoda
 8/7/2018 1:51:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.6
88	15.7	0.0	32.4





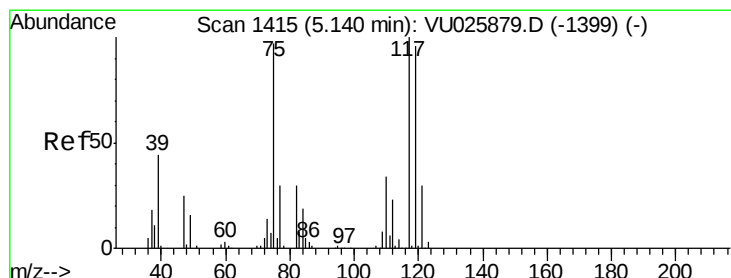
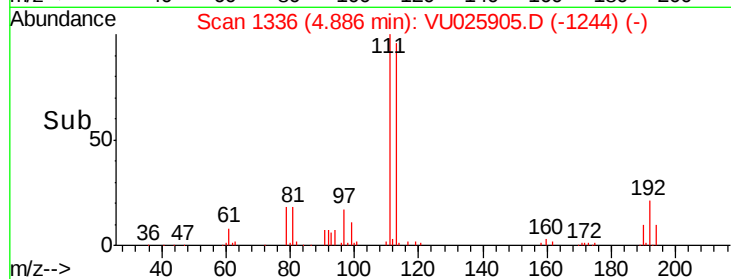
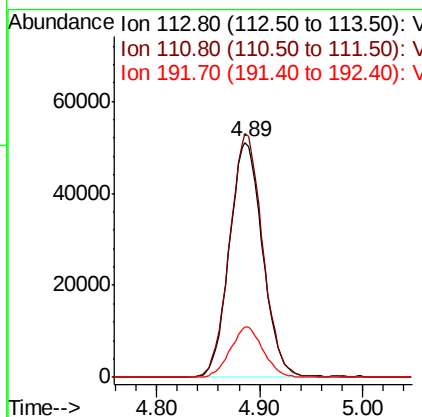
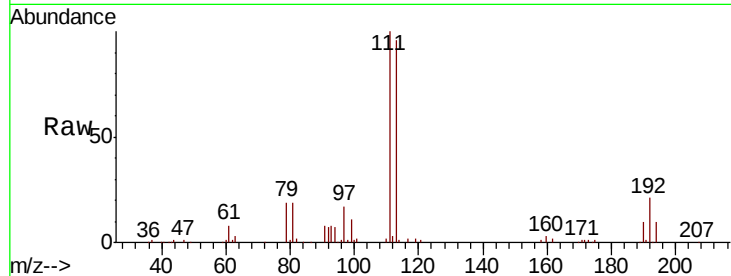
#35
 Dibromofluoromethane
 Concen: 48.35 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114604		
111	102.9	81.7	122.5	
192	21.1	17.1	25.7	

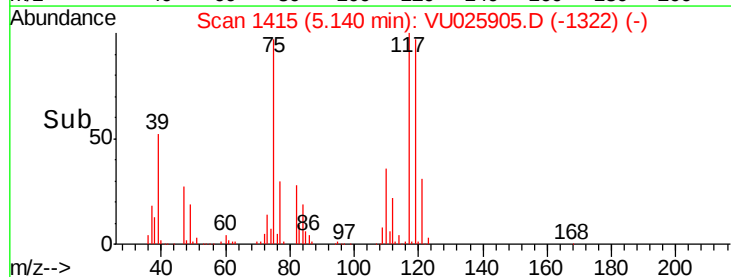
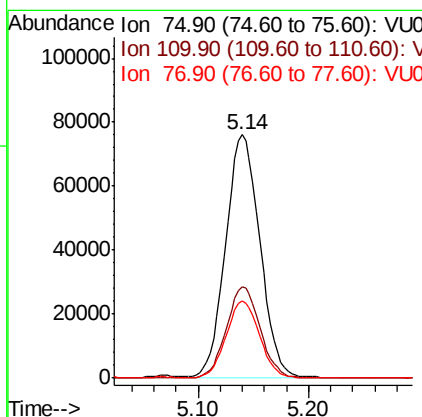
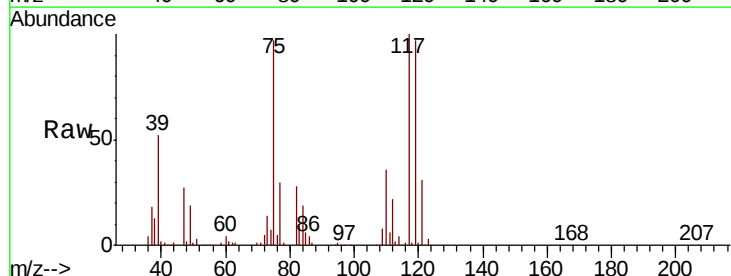
Manual Integrations
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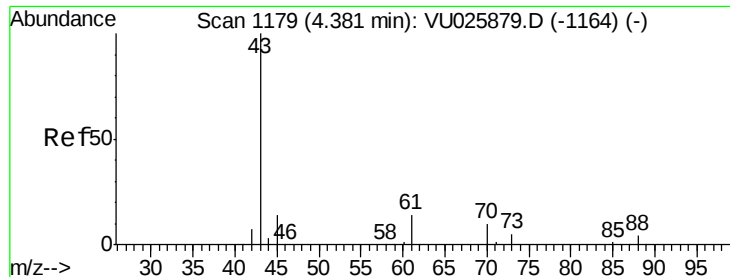
MMDadoda
 8/7/2018 1:51:45 PM



#36
 1,1-Dichloropropene
 Concen: 51.39 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163693		
110	36.9	17.6	52.9	
77	30.9	24.4	36.6	





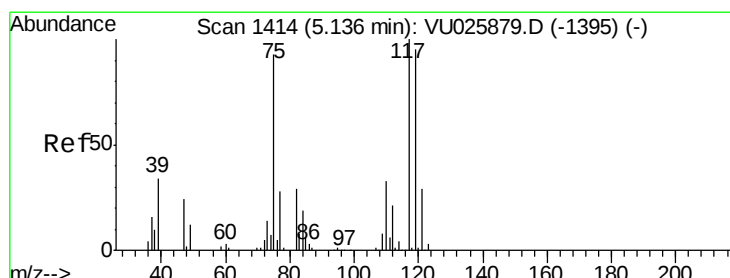
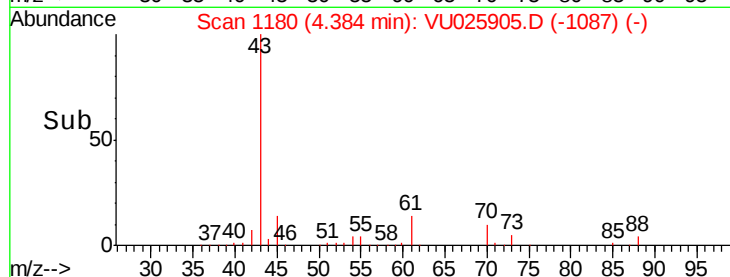
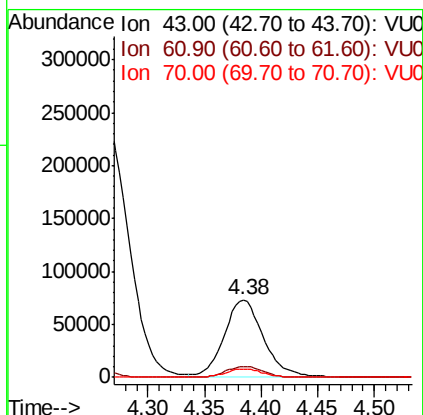
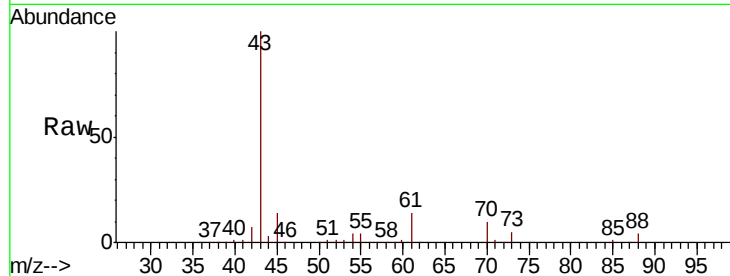
#37
Ethyl Acetate
Concen: 52.70 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	10.5	8.4	12.6

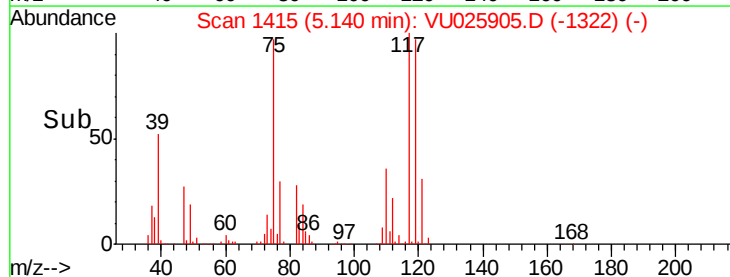
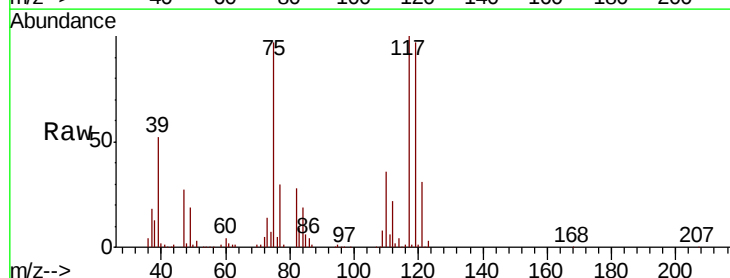
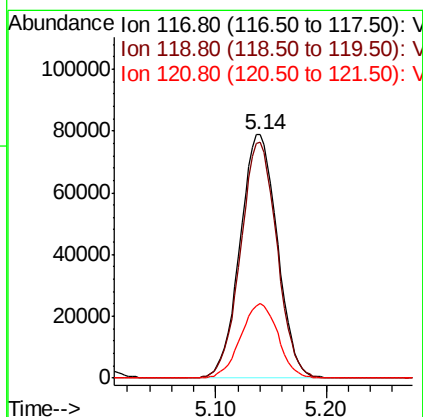
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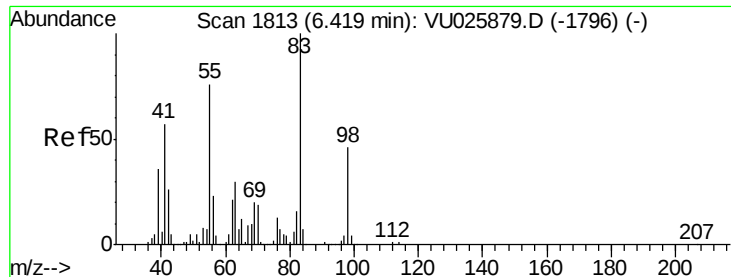
MMDadoda
8/7/2018 1:51:45 PM



#38
Carbon Tetrachloride
Concen: 51.18 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.7	113.5
121	30.6	24.6	36.8





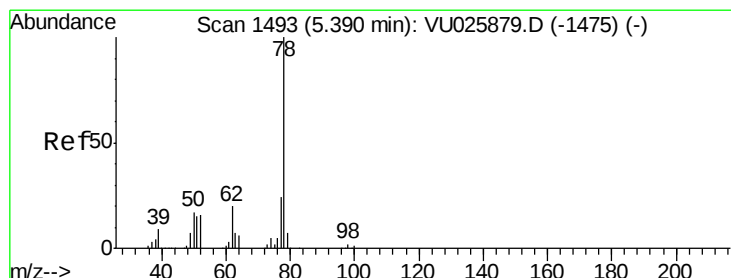
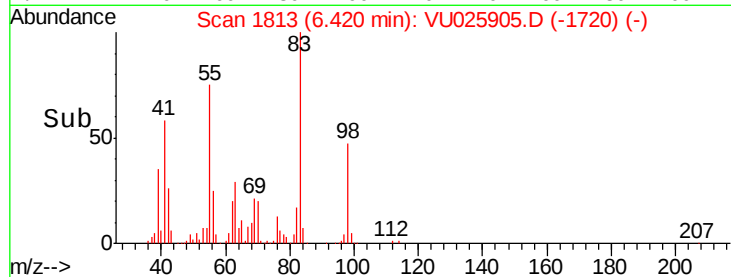
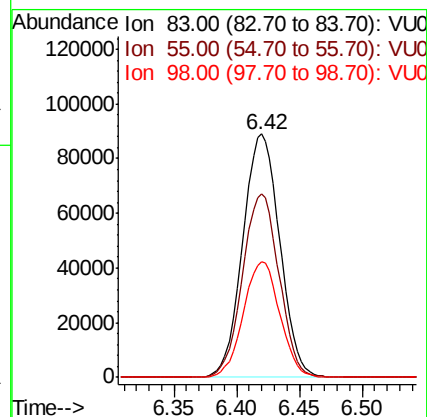
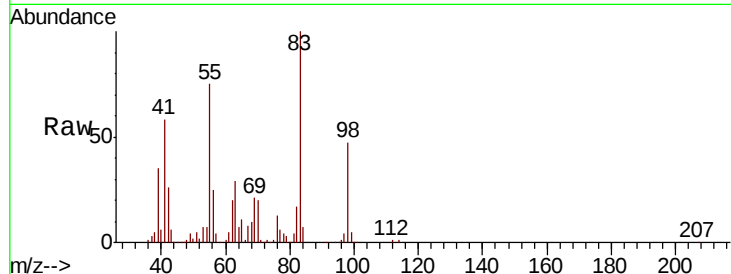
#39
Methylvlcvclohexane
Concen: 50.05 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.0	90.0
98	47.4	36.1	54.1

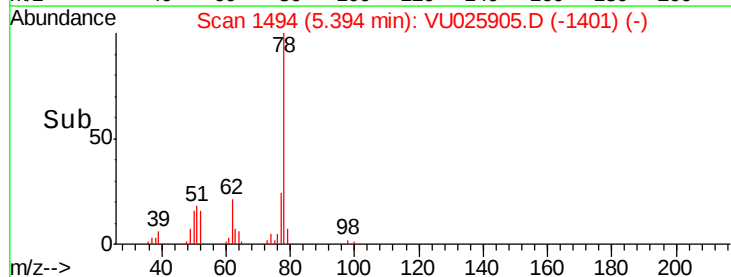
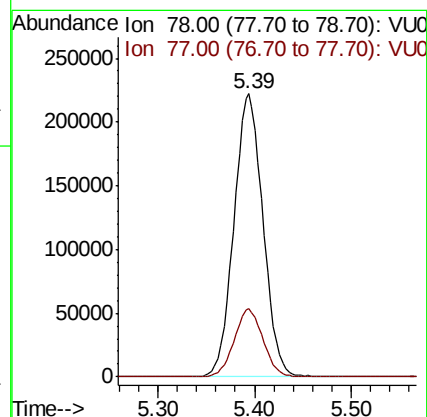
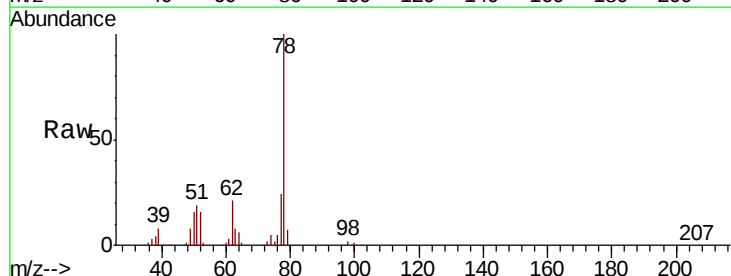
Manual Integrations
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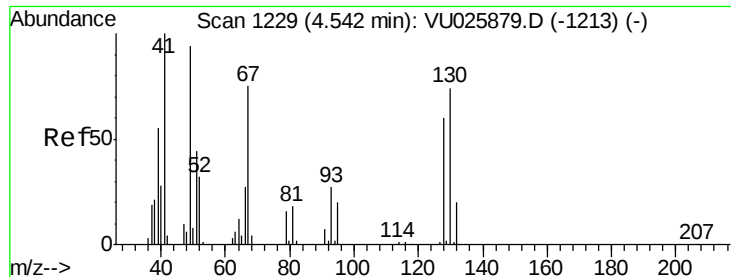
MMDadoda
8/7/2018 1:51:45 PM



#40
Benzene
Concen: 49.75 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





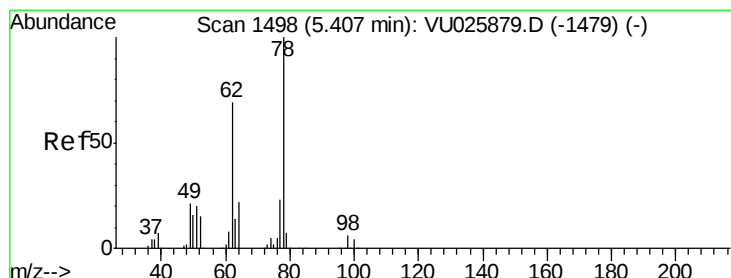
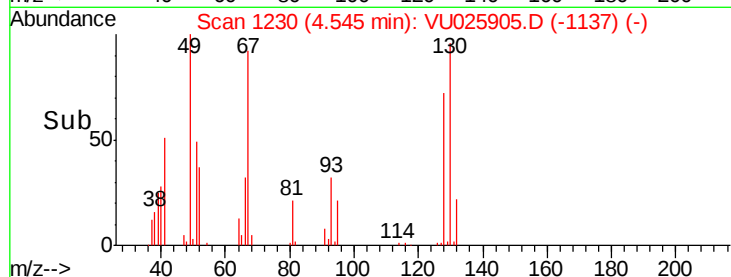
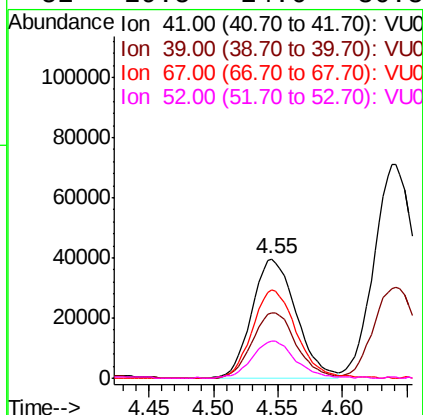
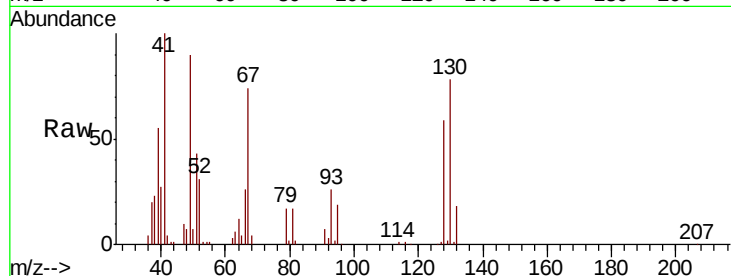
#41
Methacrylonitrile
Concen: 51.89 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	44.4	66.6	
67	73.7	56.0	84.0	
52	29.5	24.6	36.8	

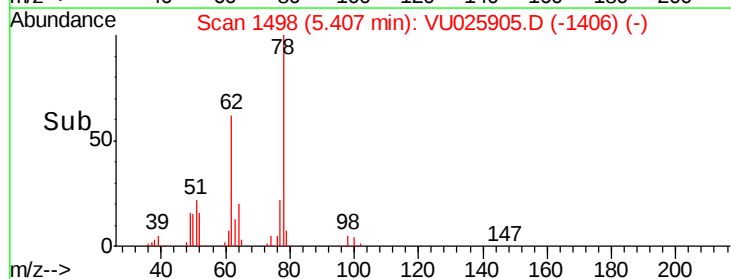
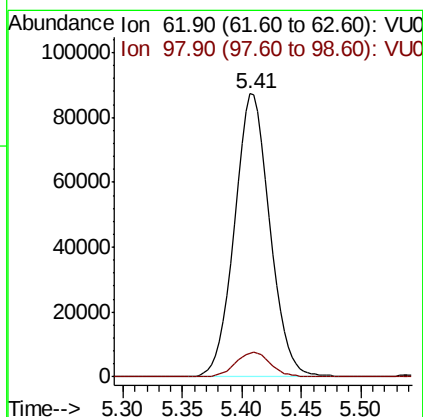
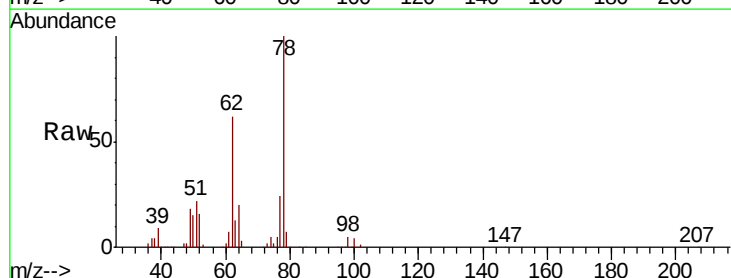
Manual Integrations
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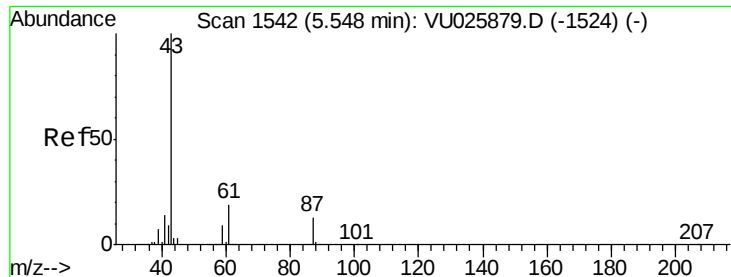
MMDadoda
8/7/2018 1:51:45 PM



#42
1,2-Dichloroethane
Concen: 50.18 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





#43

Isopropyl Acetate

Concen: 51.23 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

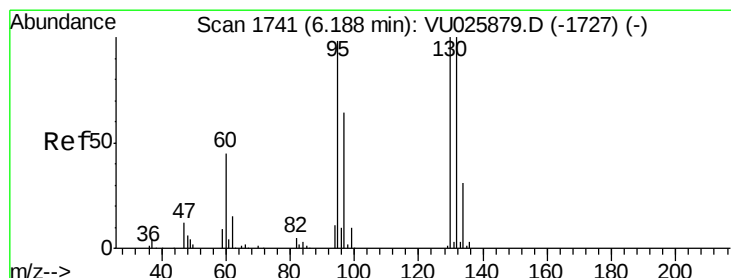
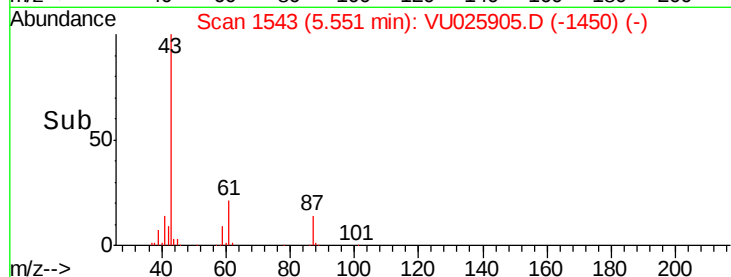
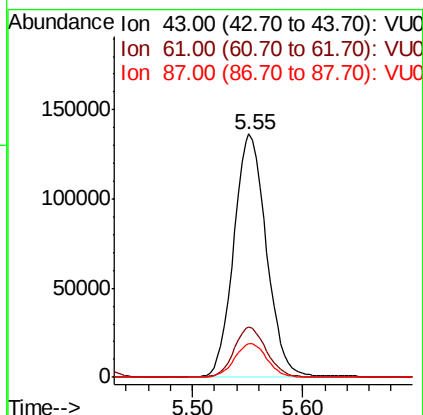
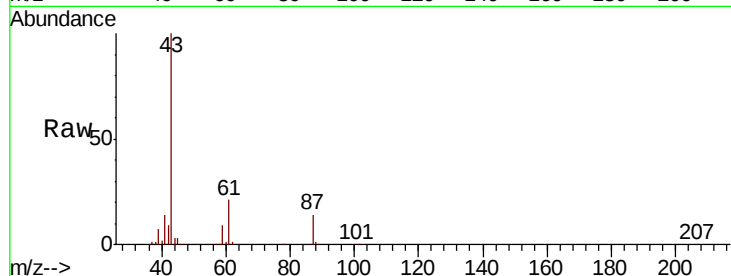
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	279576
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.5	23.3
87	13.9	10.6	16.0

Manual Integrations
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8/7/2018 1:51:45 PM



#44

Trichloroethene

Concen: 50.53 ug/l

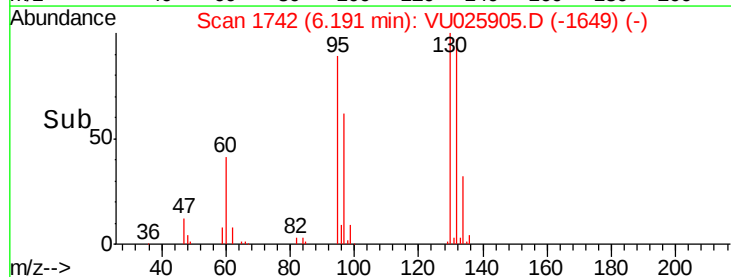
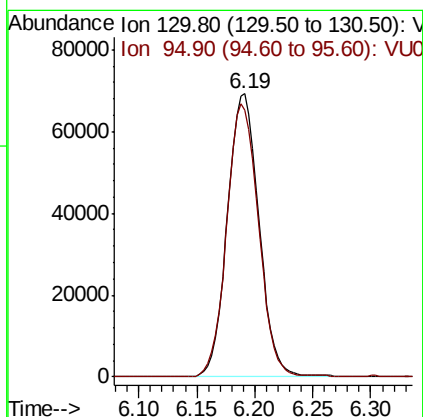
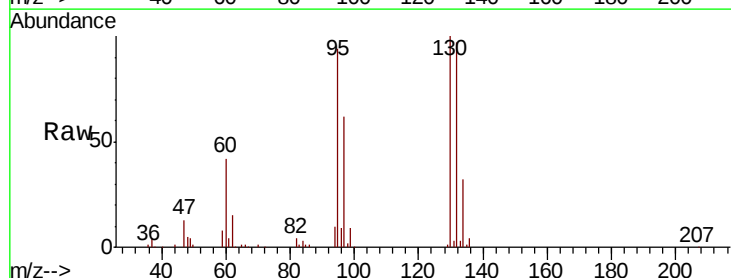
RT: 6.19 min Scan# 1742

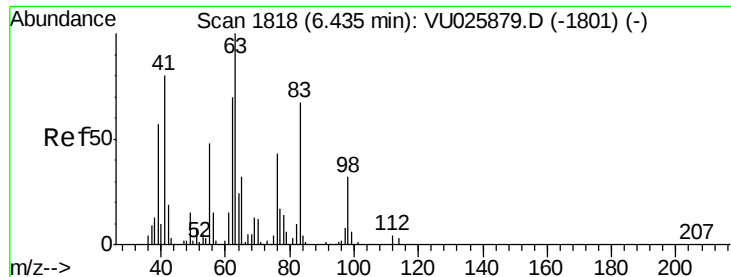
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	130	Resp:	131018
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	192.2





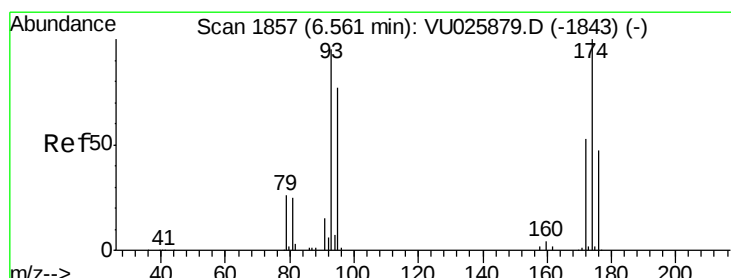
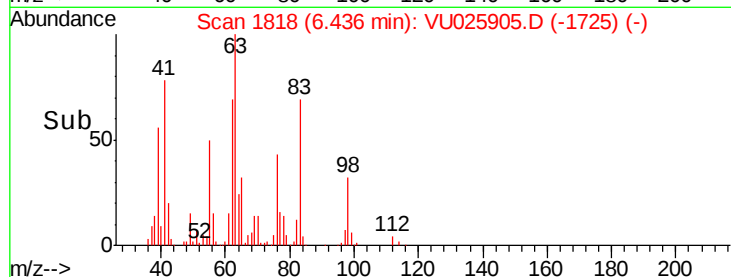
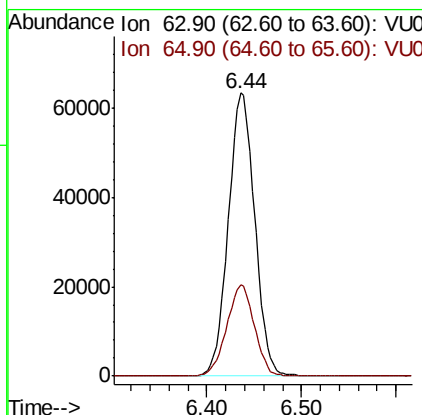
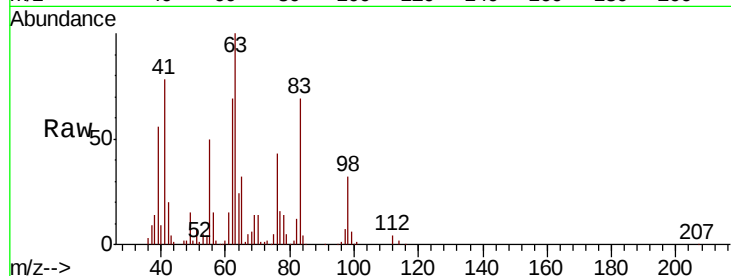
#45
 1,2-Dichloropropane
 Concen: 50.69 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	26.1	39.1

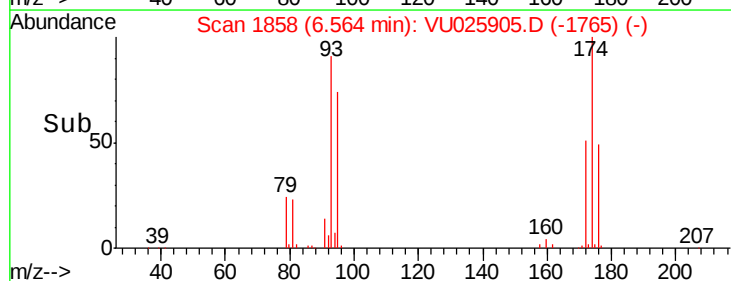
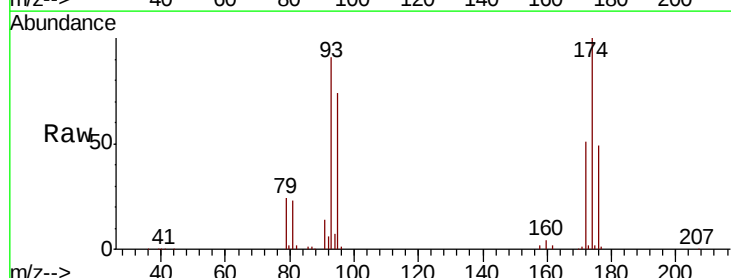
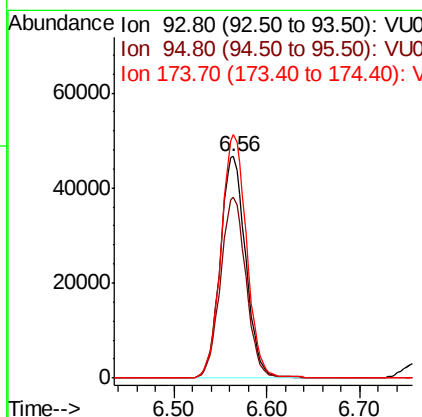
Manual Integrations
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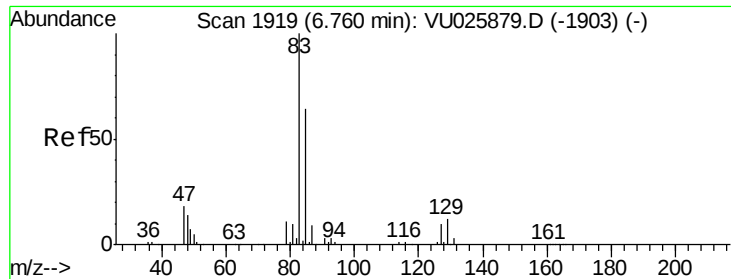
MMDadoda
 8/7/2018 1:51:45 PM



#46
 Dibromomethane
 Concen: 50.45 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.6	100.0
174	110.2	85.8	128.8





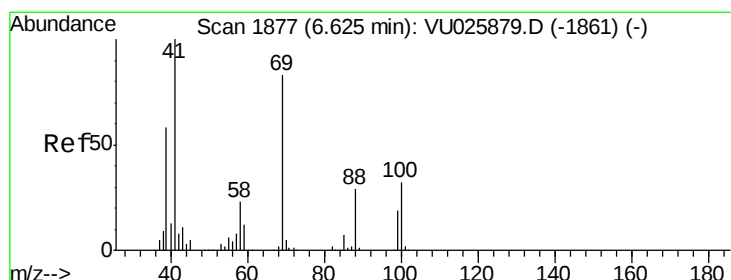
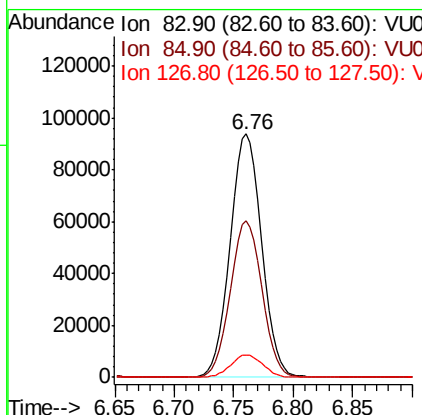
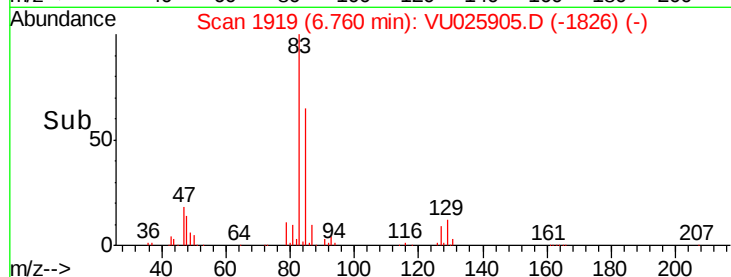
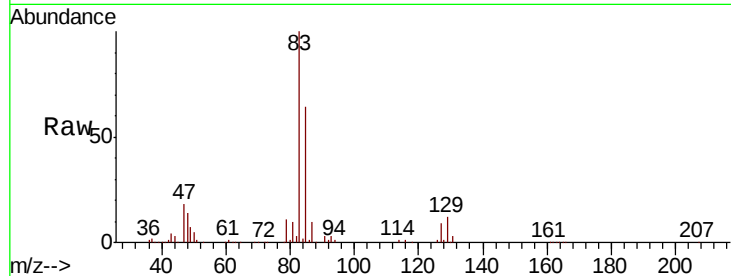
#47
Bromodichloromethane
Concen: 51.38 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.4
127	9.1	7.2	10.8

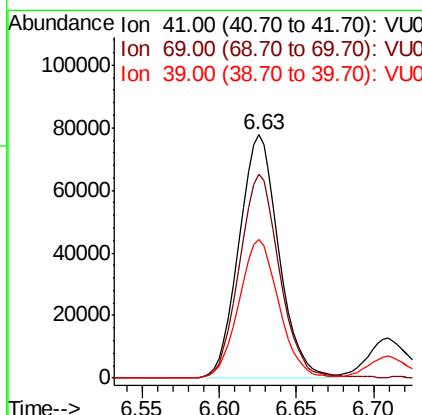
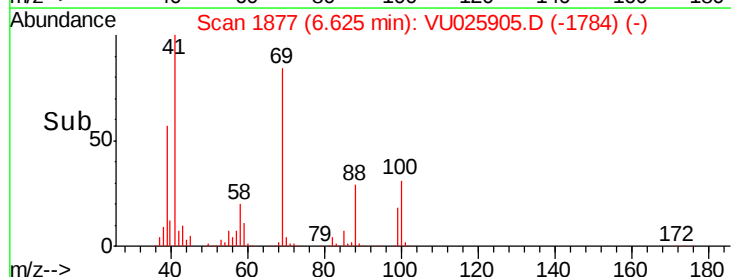
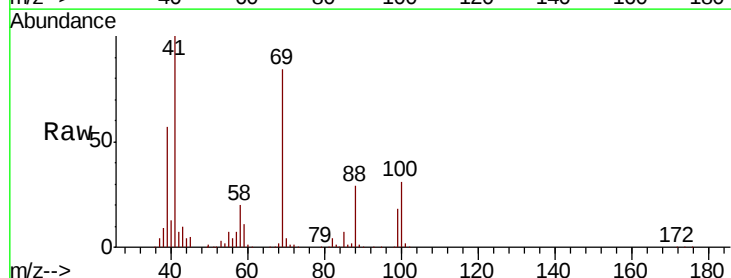
Manual Integrations
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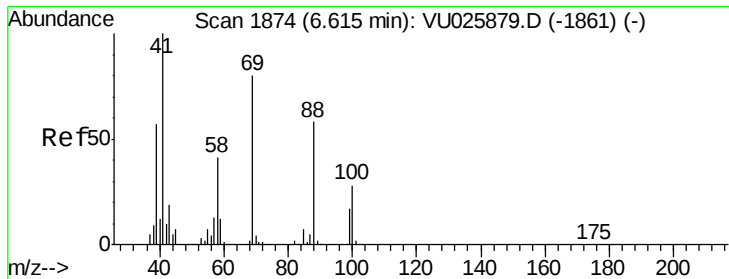
MMDadoda
8/7/2018 1:51:45 PM



#48
Methyl methacrylate
Concen: 52.03 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.1	65.0	97.4
39	57.3	46.4	69.6





#49

1,4-Dioxane

Concen: 911.42 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

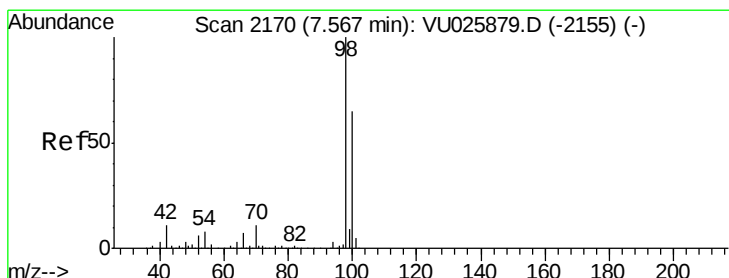
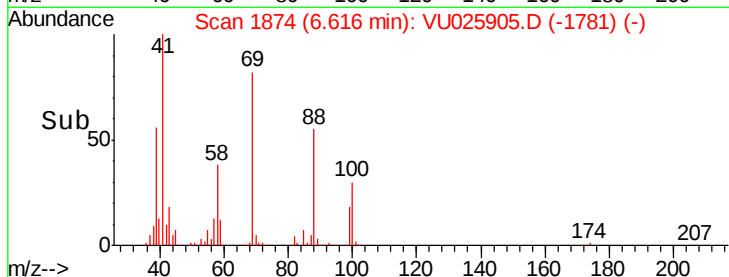
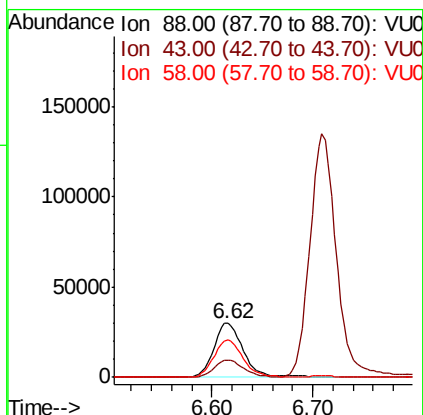
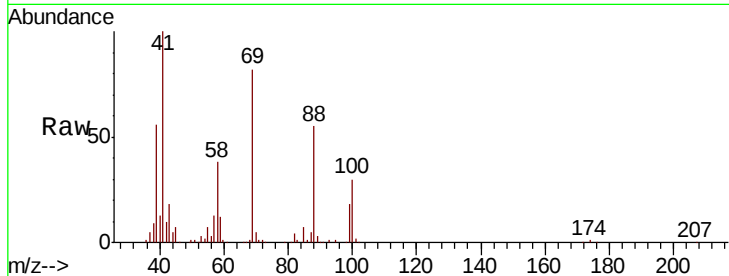
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.3	40.9
58	70.2	57.6	86.4

Manual Integrations
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8/7/2018 1:51:45 PM



#50

Toluene-d8

Concen: 49.32 ug/l

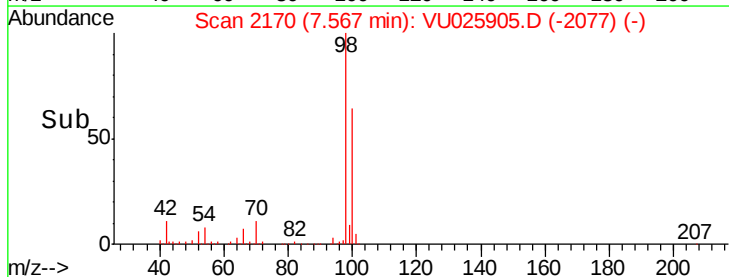
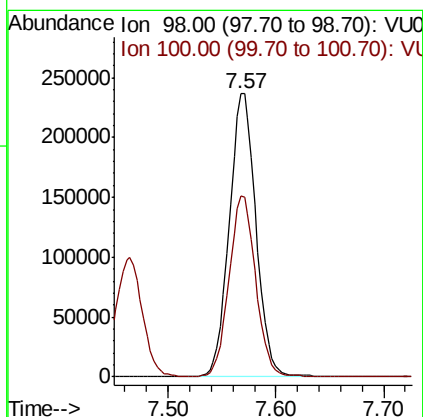
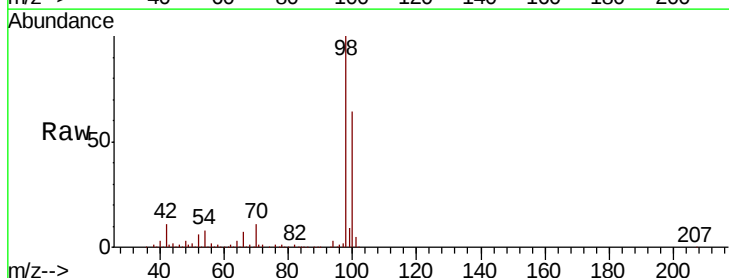
RT: 7.57 min Scan# 2170

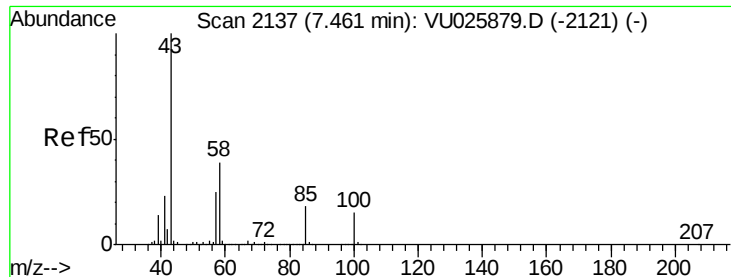
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 325.12 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1110830

Ion Ratio Lower Upper

43 100

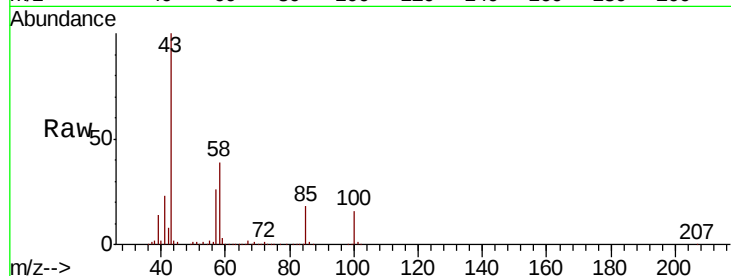
58 39.0 31.0 46.4

Manual Integrations

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8/7/2018 1:51:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-2121) (-)

Ion 58.00 (57.70 to 58.70): VU025879.D (-2121) (-)

7.46

600000

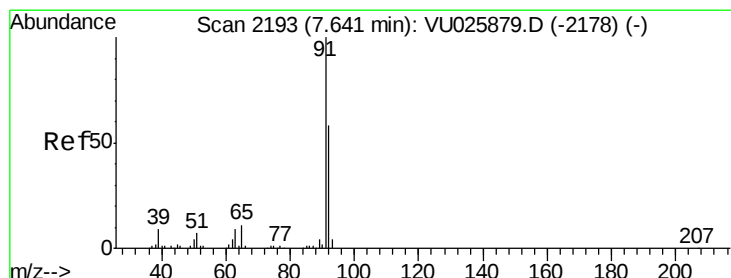
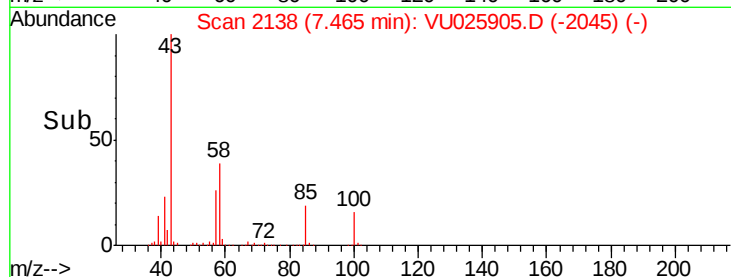
400000

200000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 51.34 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025905.D

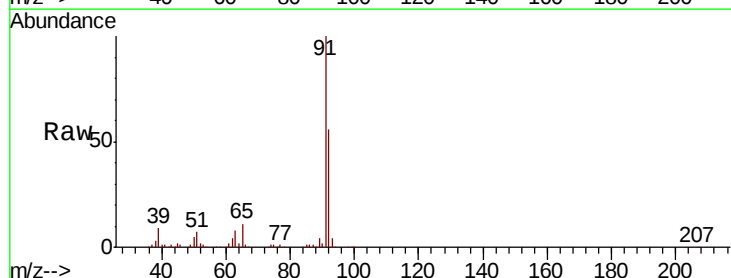
Acq: 06 Aug 2018 22:46

Tgt Ion: 92 Resp: 296952

Ion Ratio Lower Upper

92 100

91 175.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025879.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025879.D (-2178) (-)

7.64

300000

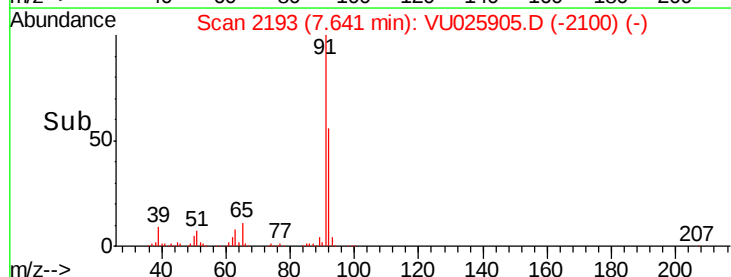
200000

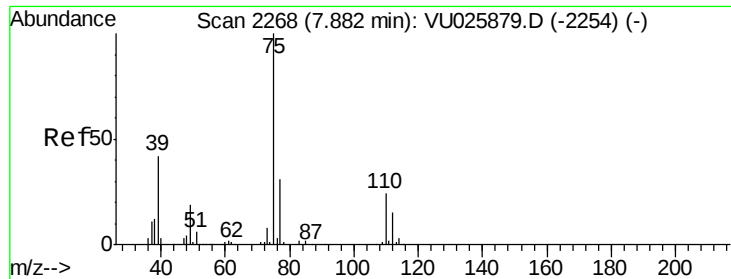
100000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.70 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tot Ion: 75 Resp: 194821

Ion Ratio Lower Upper

75 100

77 30.1 24.5 36.7

Instrument :

MSVOA_U

ClientSampleId :

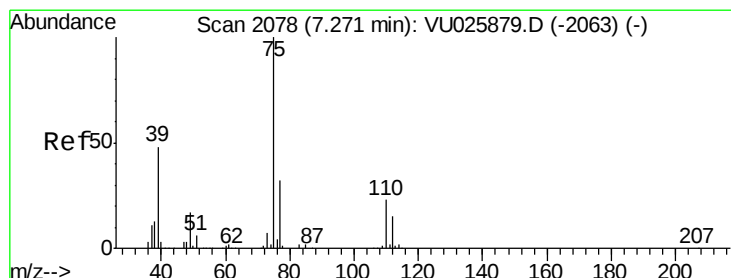
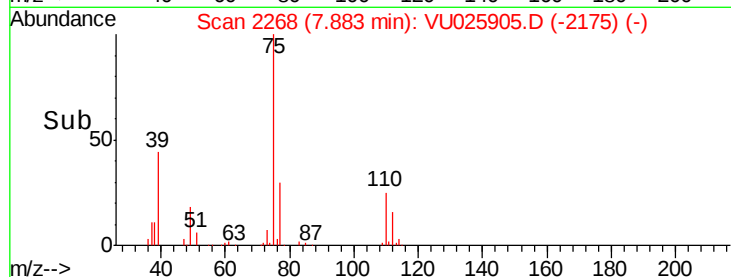
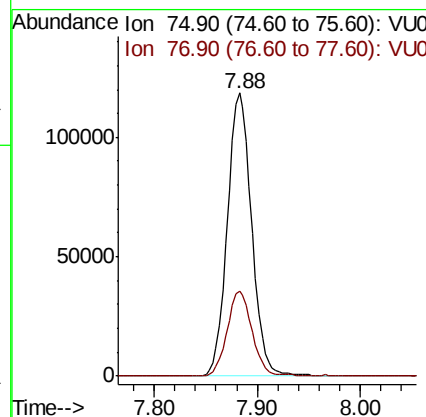
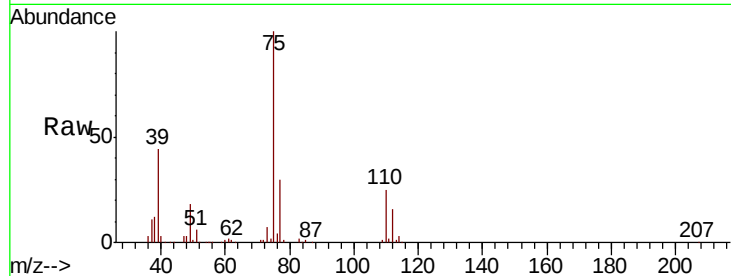
VSTDCCC050EC

Manual Integrations

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MMDadoda

8/7/2018 1:51:45 PM



#54

cis-1,3-Dichloropropene

Concen: 51.21 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

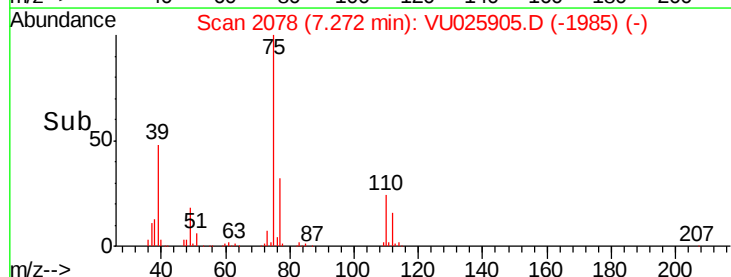
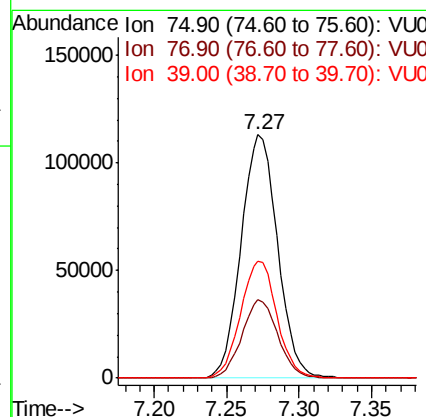
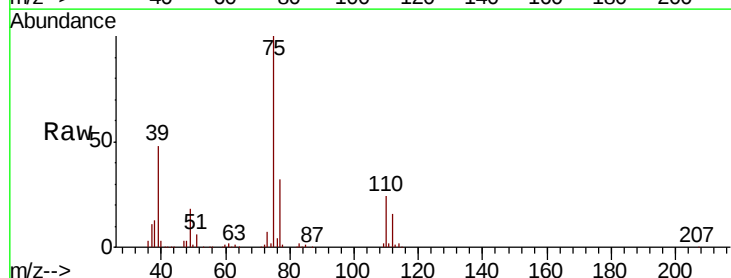
Tgt Ion: 75 Resp: 198218

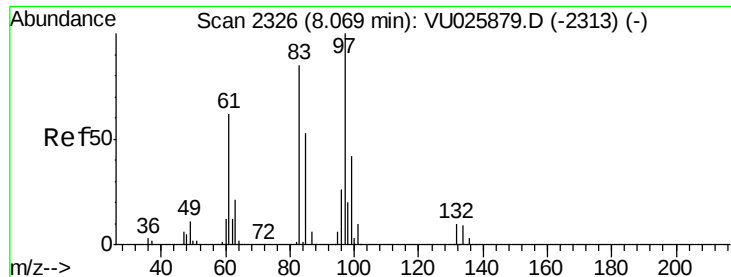
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 48.3 40.0 60.0





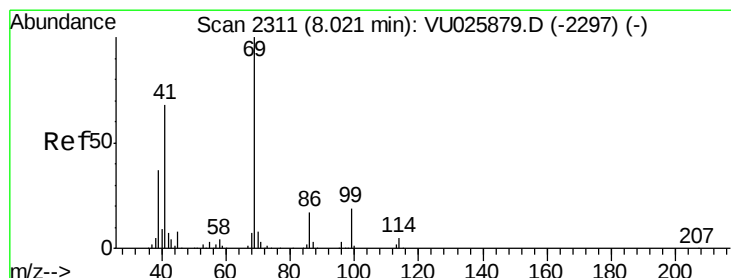
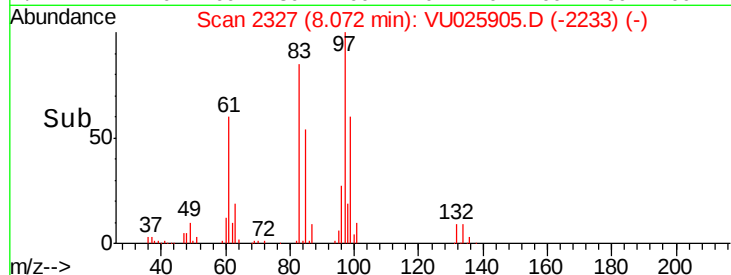
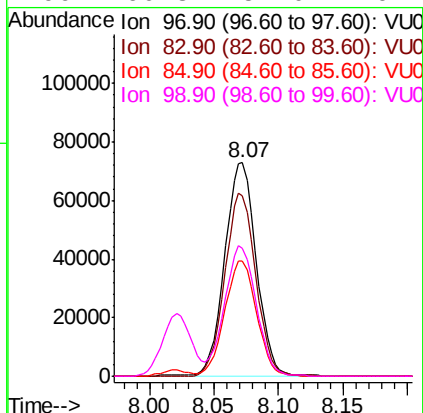
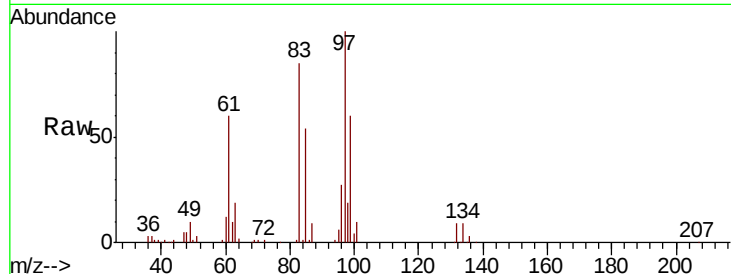
#55
 1,1,2-Trichloroethane
 Concen: 51.25 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123195		
83	84.8	68.9	103.3		
85	53.6	44.4	66.6		
99	60.3	51.0	76.4		

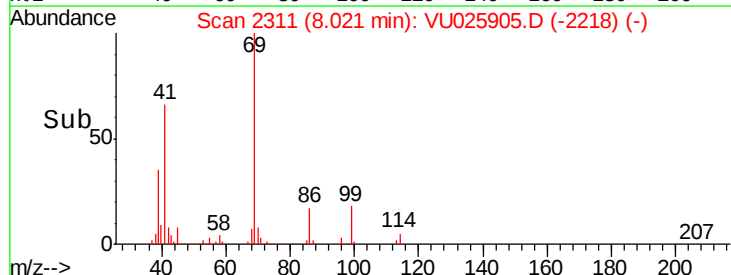
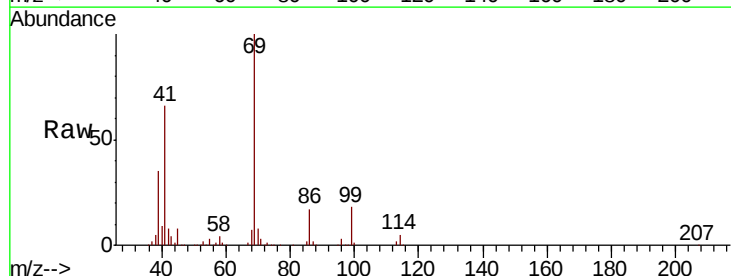
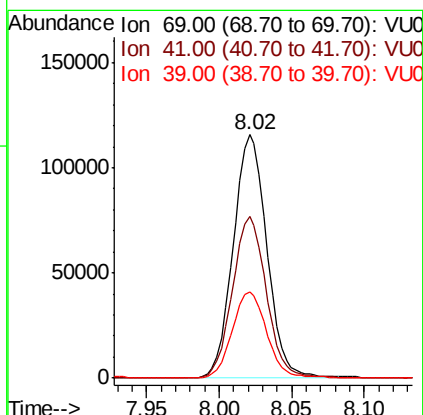
Manual Integrations
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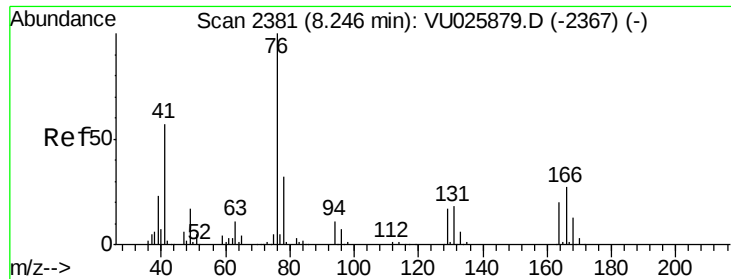
MMDadoda
 8/7/2018 1:51:45 PM



#56
 Ethyl methacrylate
 Concen: 54.17 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		186049		
41	67.2	54.8	82.2		
39	35.9	31.1	46.7		





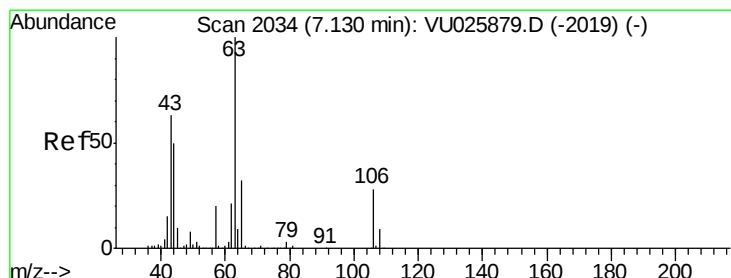
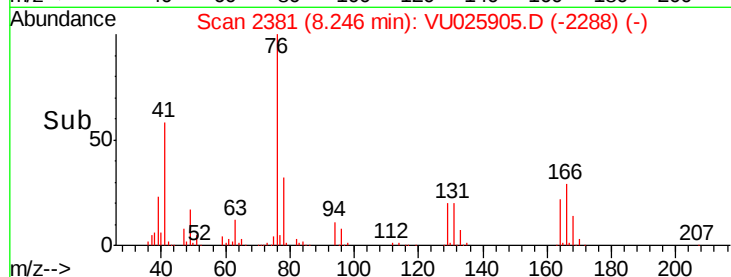
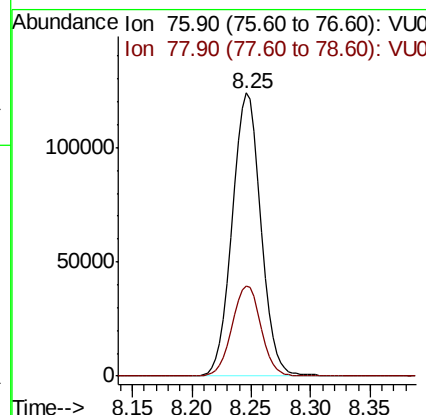
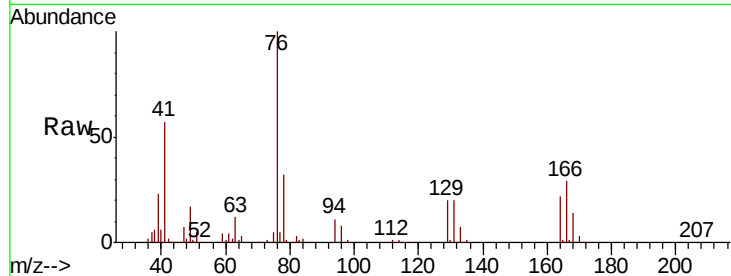
#57
 1,3-Dichloropropane
 Concen: 51.35 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

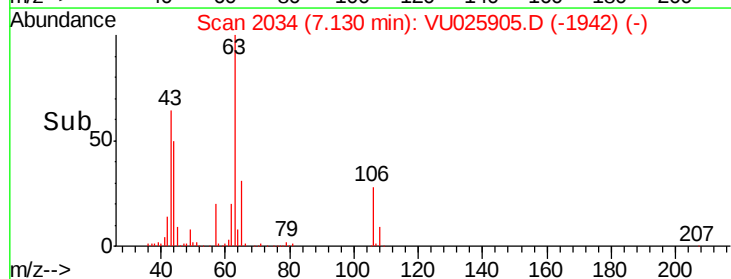
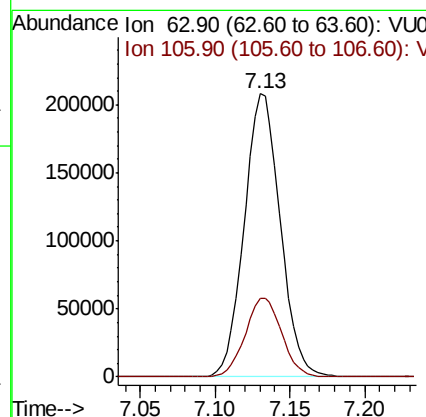
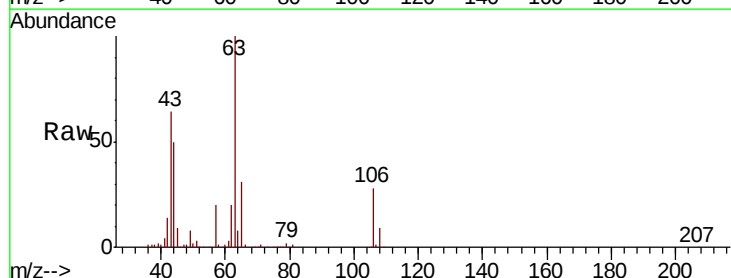
Manual Integrations
 APPROVED

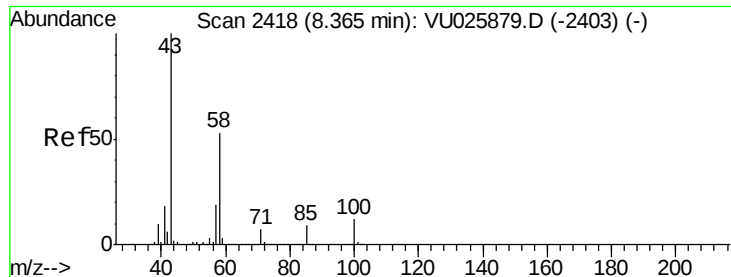
MMDadoda
 8/7/2018 1:51:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.33 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.3	33.5





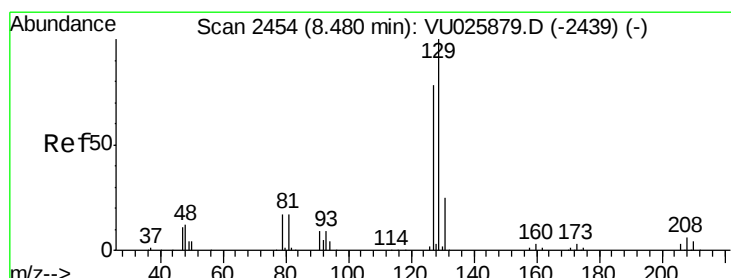
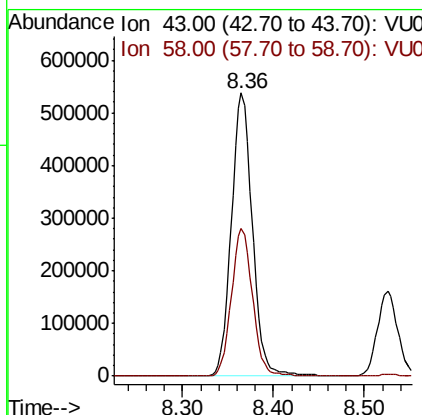
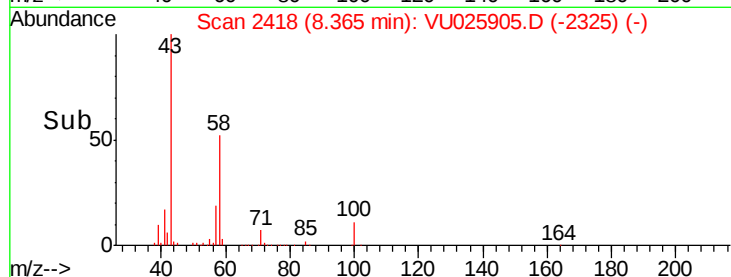
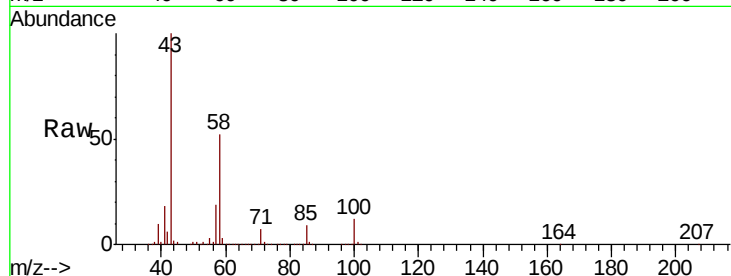
#59
2-Hexanone
Concen: 322.57 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 863929
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5

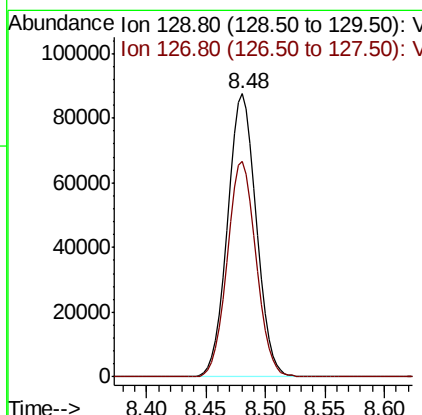
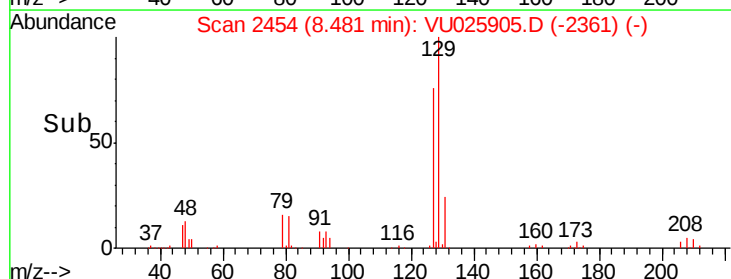
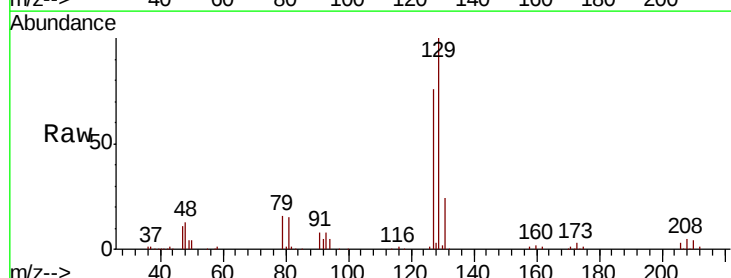
Manual Integrations
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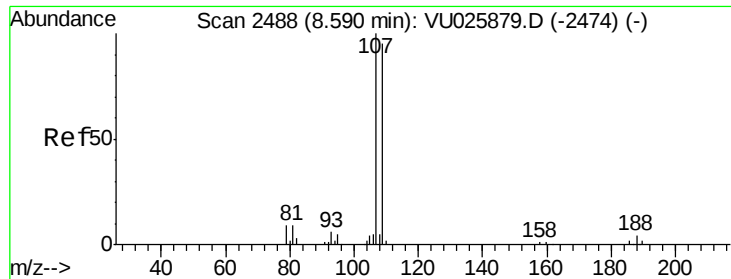
MMDadoda
8/7/2018 1:51:45 PM



#60
Dibromochloromethane
Concen: 51.86 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 129 Resp: 147012
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.18 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 136802

Ion Ratio Lower Upper

107 100

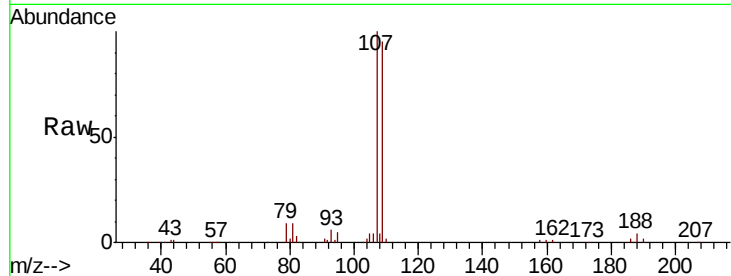
109 95.6 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

60000

40000

20000

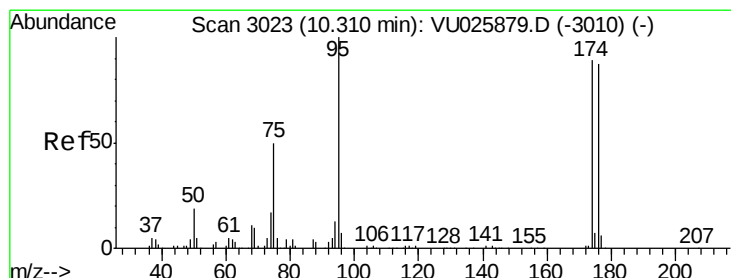
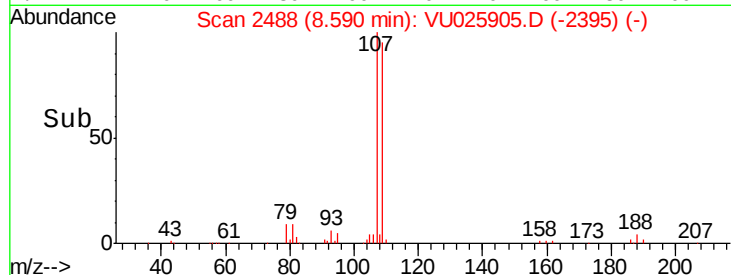
0

Time-->

8.50

8.60

8.70



#62

4-Bromofluorobenzene

Concen: 49.19 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

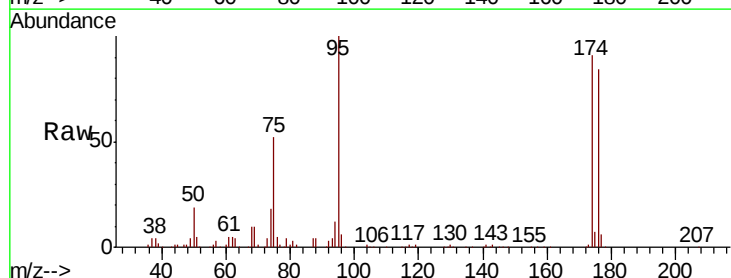
Tgt Ion: 95 Resp: 158365

Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

176 84.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

100000

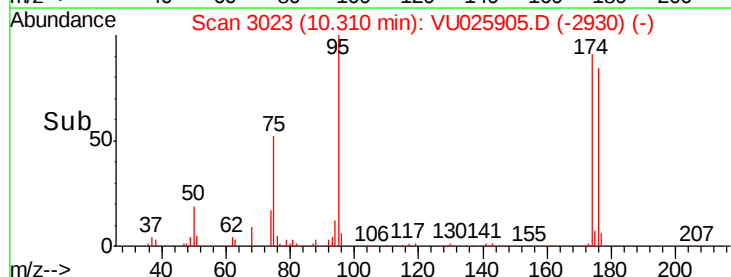
50000

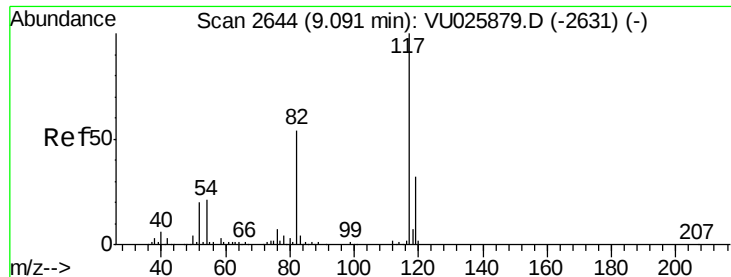
0

Time-->

10.30

10.40





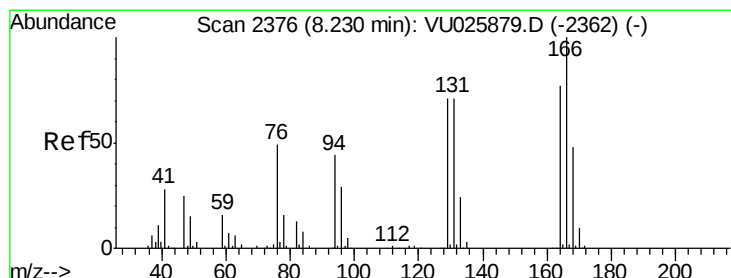
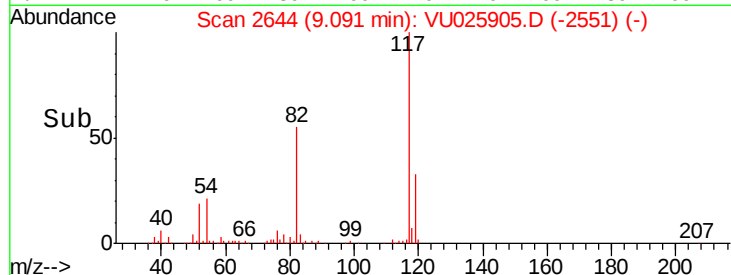
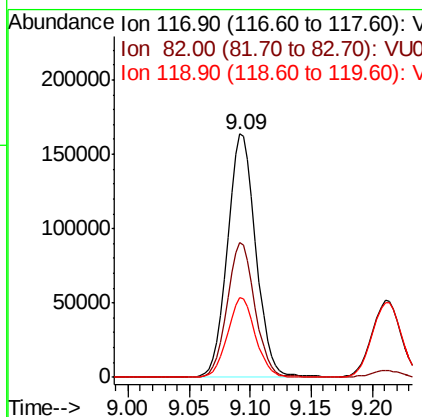
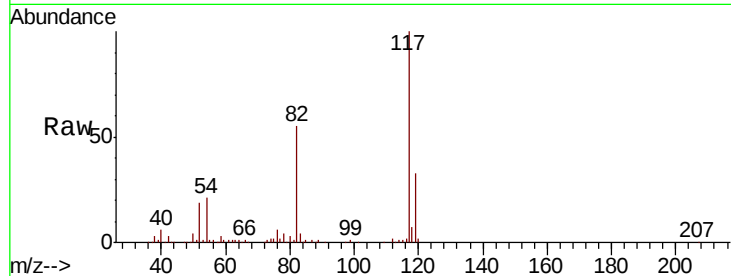
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266409		
82	55.2		46.0	69.0
119	32.7		26.0	39.0

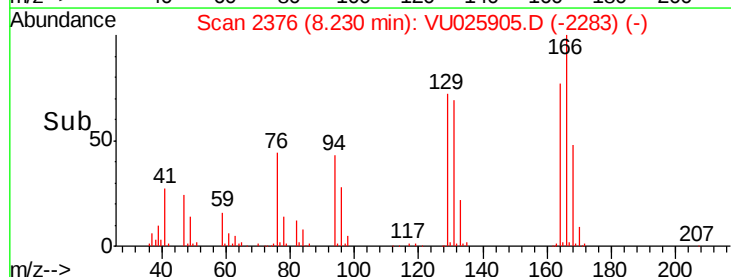
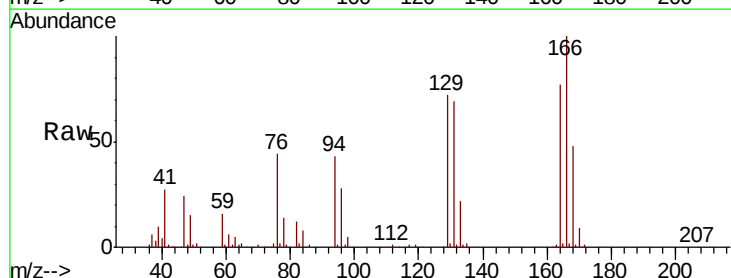
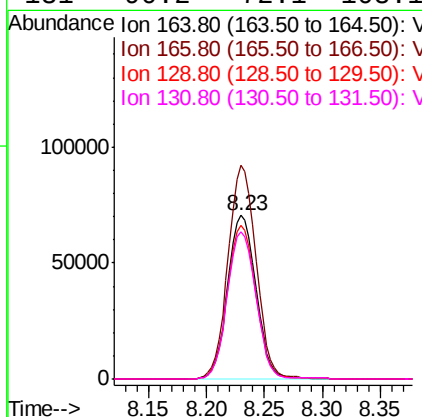
Manual Integrations
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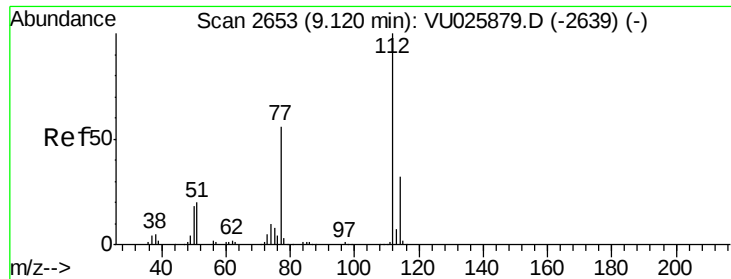
MMDadoda
8/7/2018 1:51:45 PM



#64
Tetrachloroethene
Concen: 51.34 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120388		
166	130.5		101.1	151.7
129	93.6		73.0	109.6
131	90.2		72.1	108.1





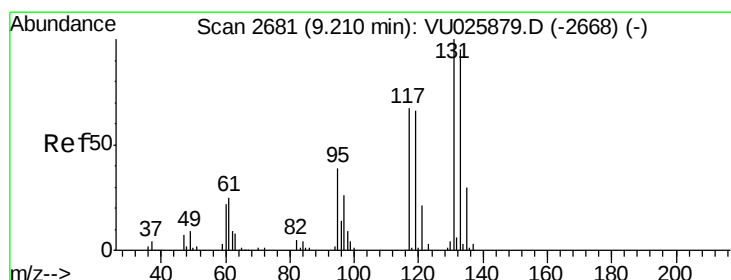
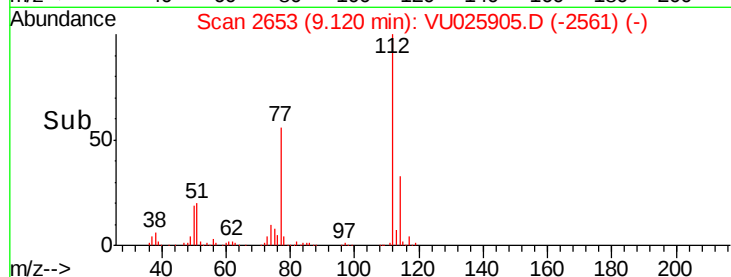
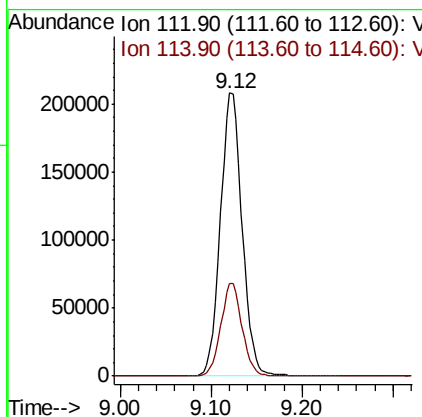
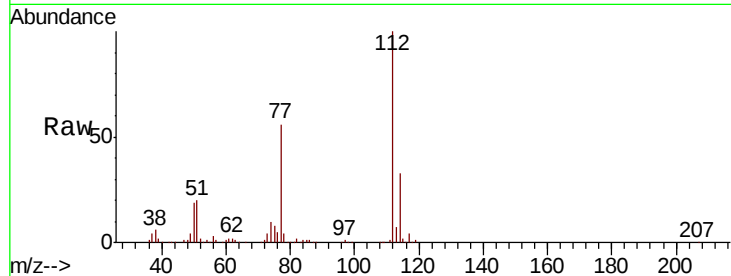
#65
Chlorobenzene
Concen: 50.33 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.8	38.8

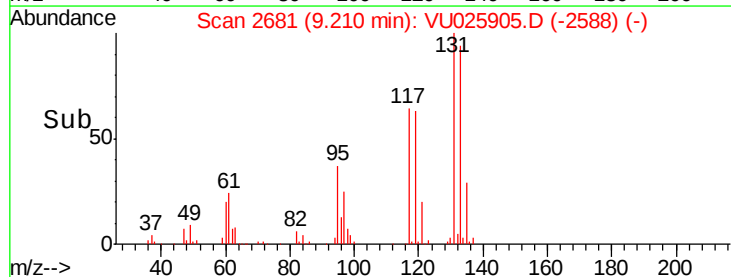
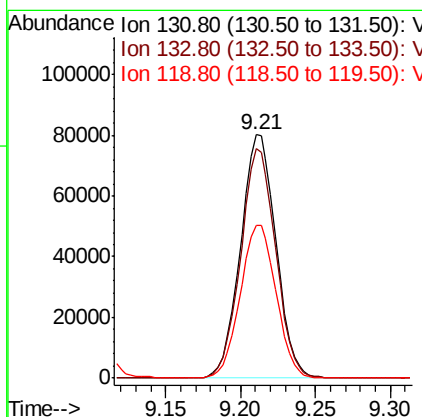
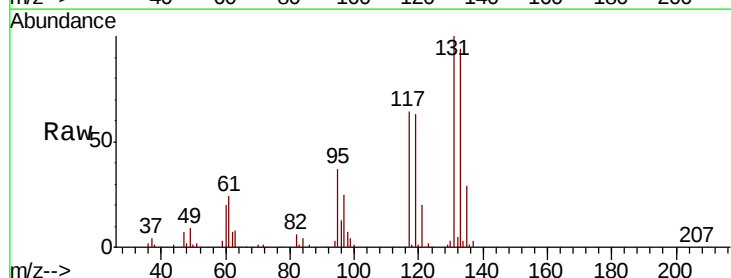
Manual Integrations
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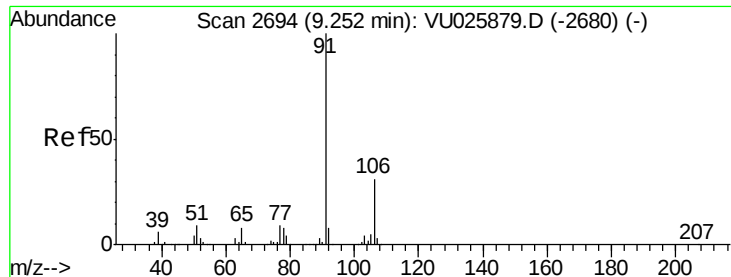
MMDadoda
8/7/2018 1:51:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.18 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.8	143.3
119	63.1	31.6	95.0





#67

Ethyl Benzene

Concen: 51.32 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 583927

Ion Ratio Lower Upper

91 100

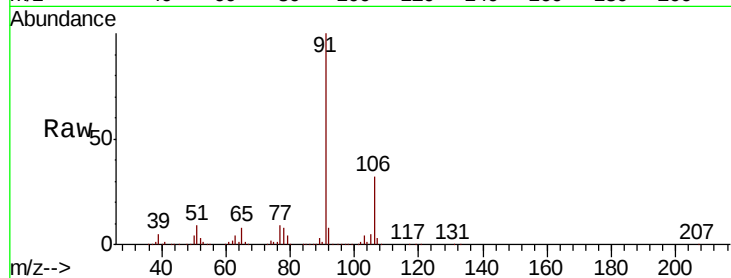
106 31.7 25.3 37.9

Manual Integrations

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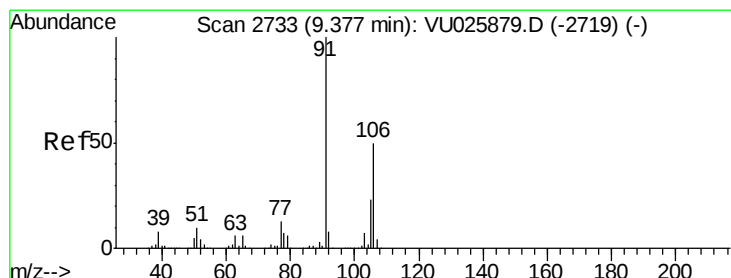
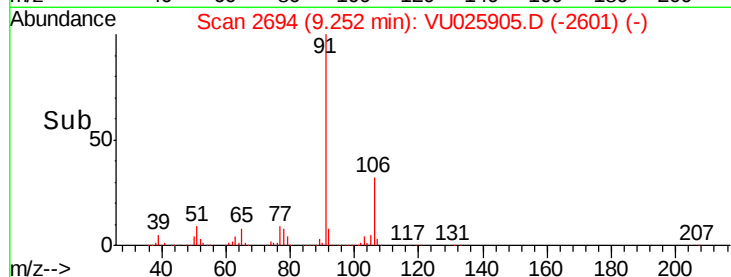
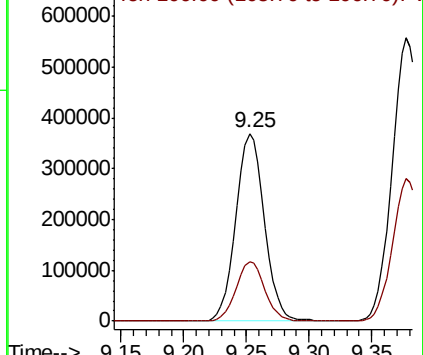
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.69 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025905.D

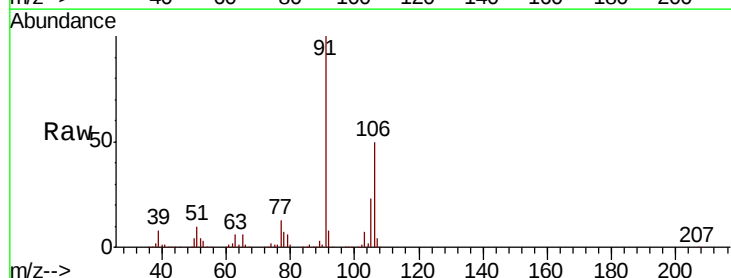
Acq: 06 Aug 2018 22:46

Tgt Ion: 106 Resp: 457271

Ion Ratio Lower Upper

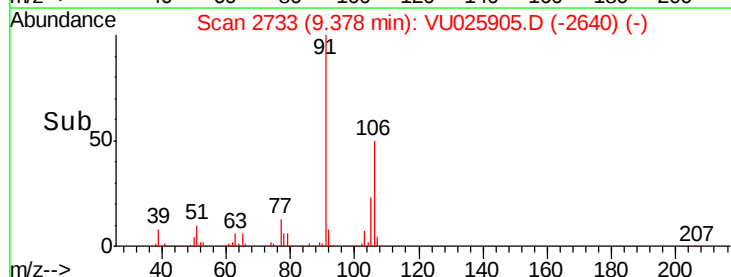
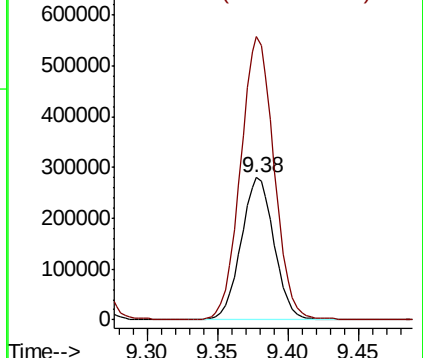
106 100

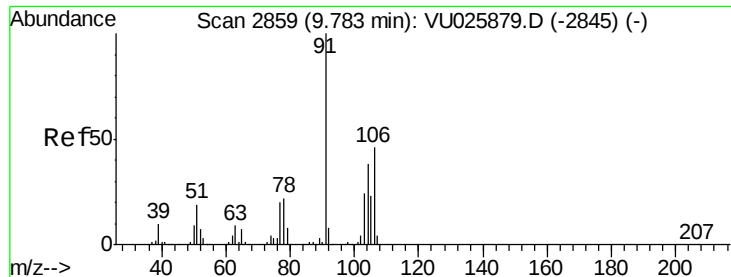
91 202.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





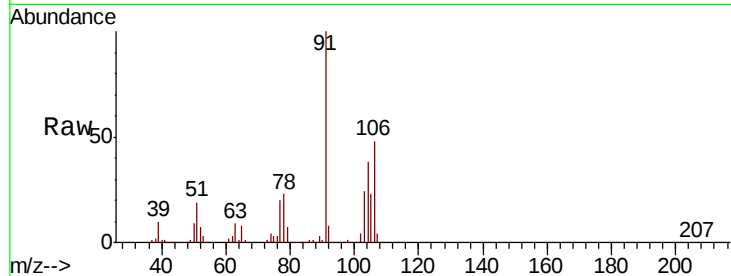
#69
o-Xylene
Concen: 52.30 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

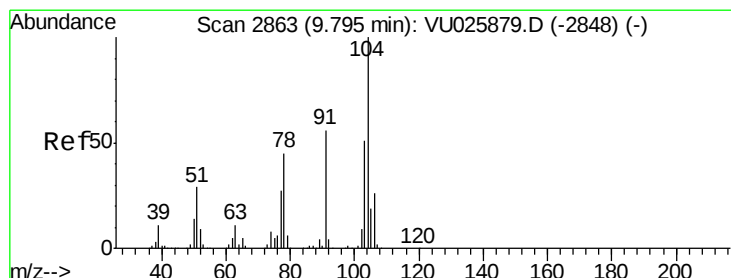
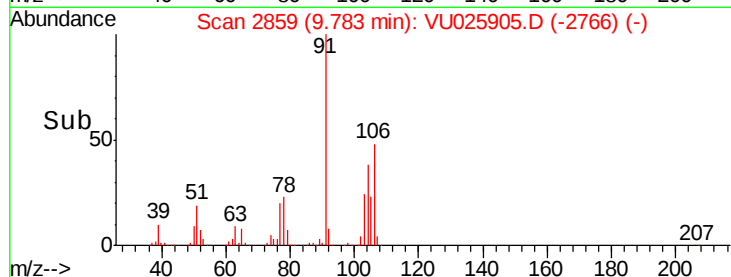
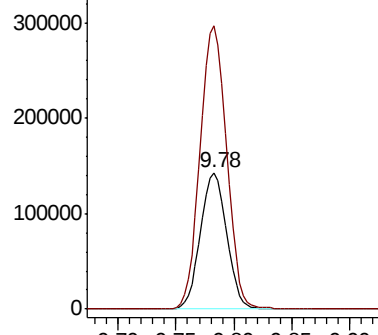
Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	105.3	315.8

Manual Integrations
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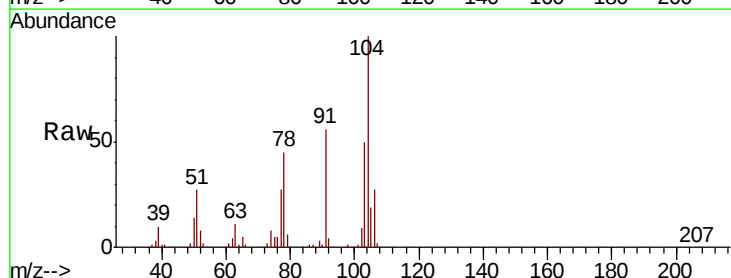


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

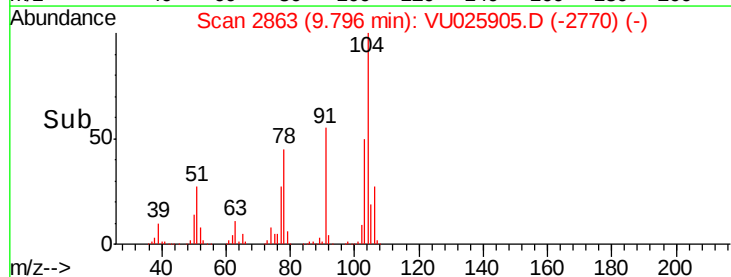
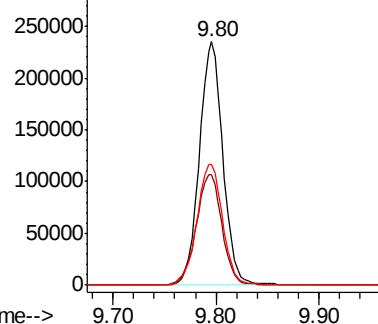


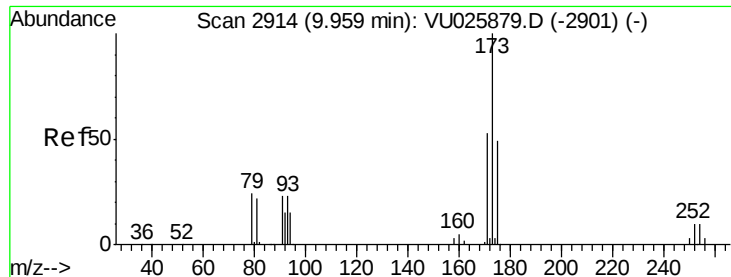
#70
Styrene
Concen: 54.11 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.6	62.4
103	54.3	44.6	66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.88 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 116076

Ion Ratio Lower Upper

173 100

175 48.2 24.0 72.0

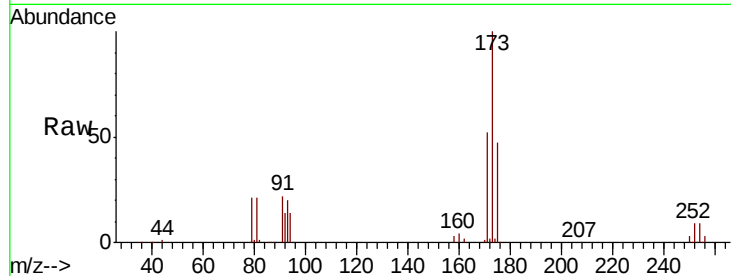
254 0.1 0.0 0.0#

Manual Integrations

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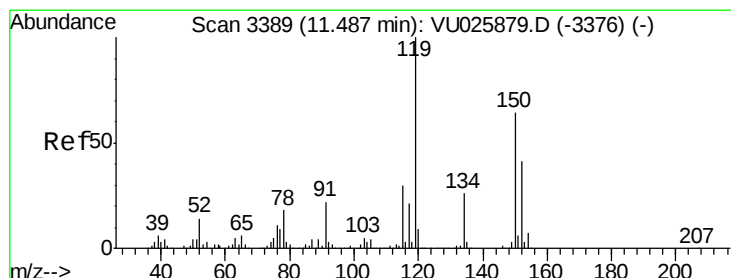
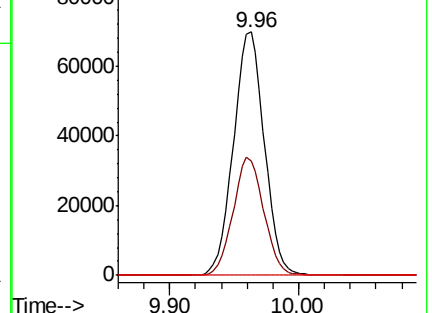
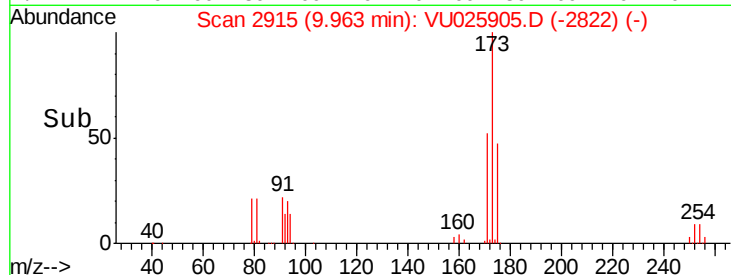
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU025905.D

Acq: 06 Aug 2018 22:46

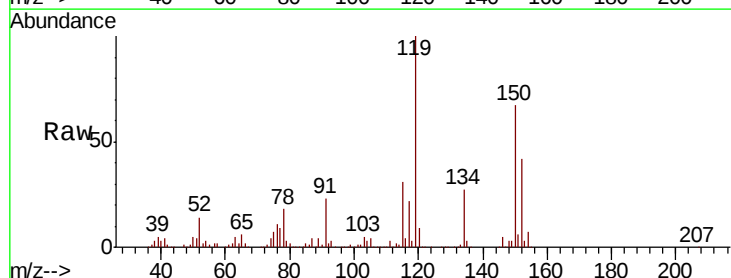
Tgt Ion:152 Resp: 166574

Ion Ratio Lower Upper

152 100

115 82.0 40.1 120.3

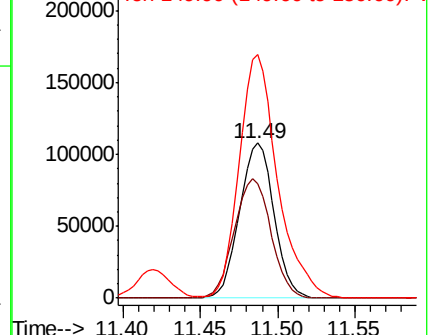
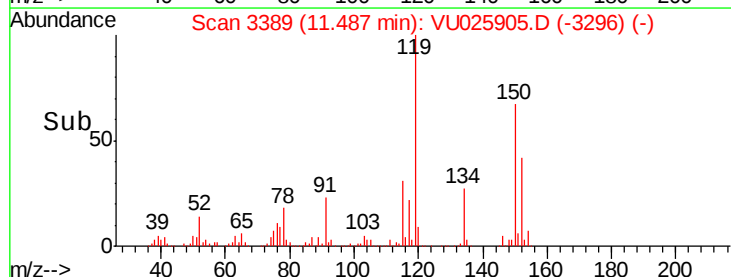
150 175.2 0.0 351.4

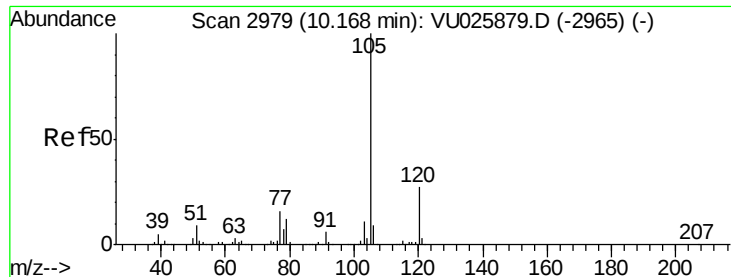


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.47 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 596566

Ion Ratio Lower Upper

105 100

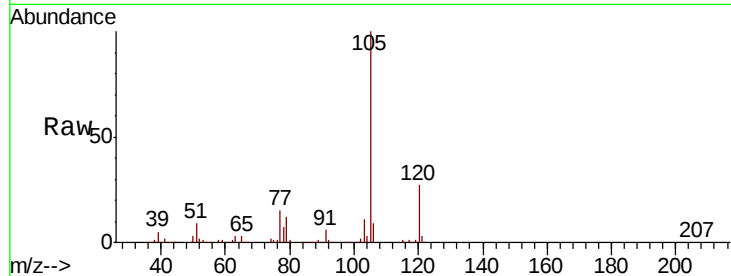
120 26.7 13.5 40.5

Manual Integrations

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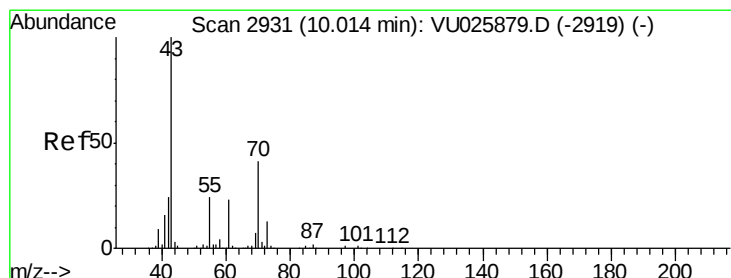
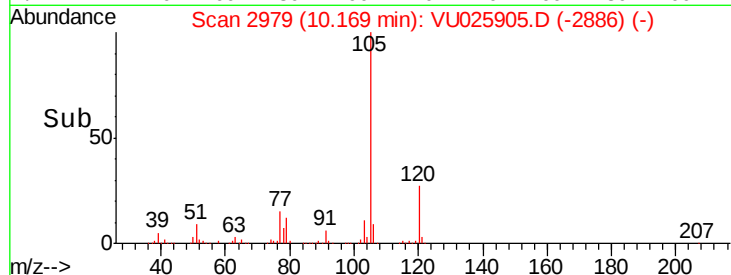
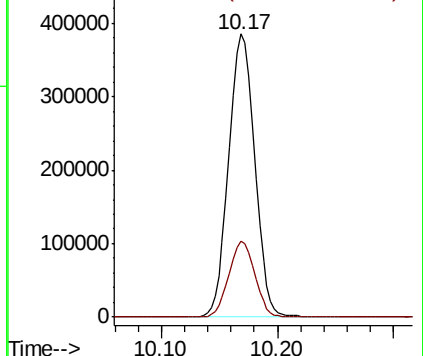
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.80 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion: 43 Resp: 254341

Ion Ratio Lower Upper

43 100

70 42.6 33.4 50.2

55 24.1 19.0 28.6

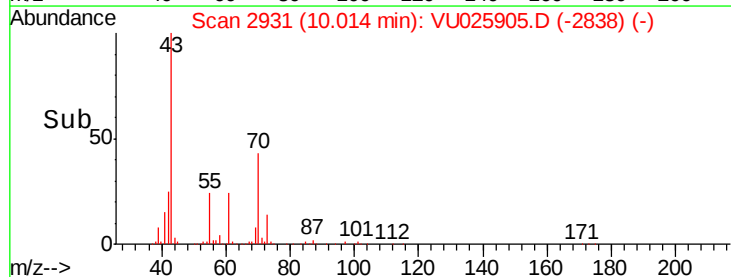
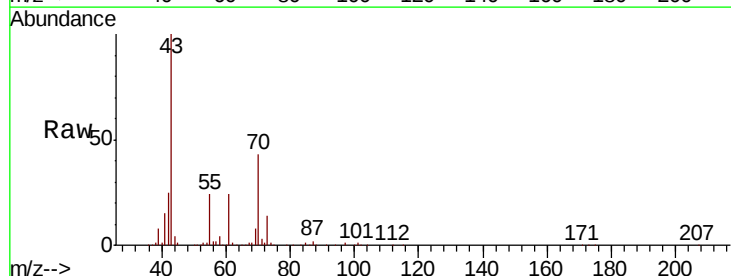
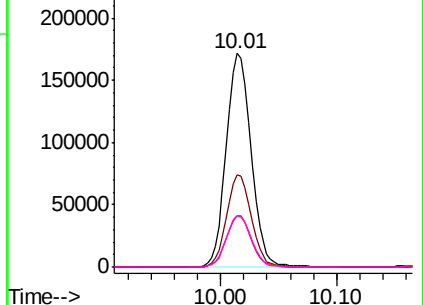
61 24.1 19.3 28.9

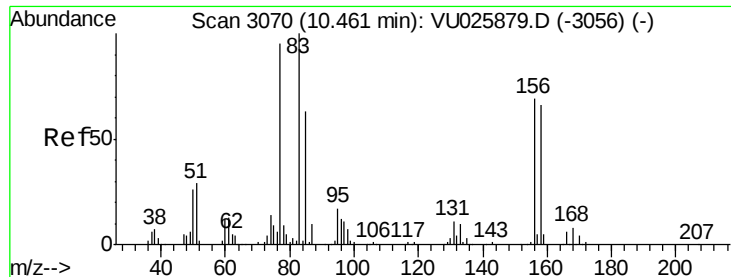
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.56 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

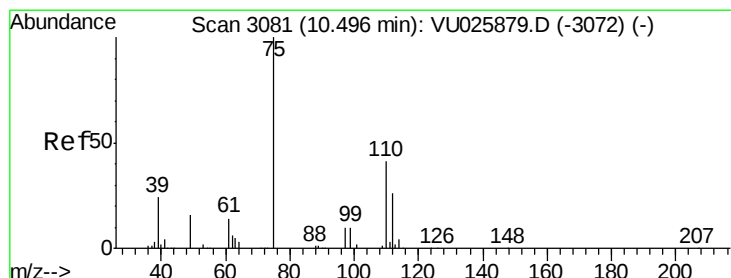
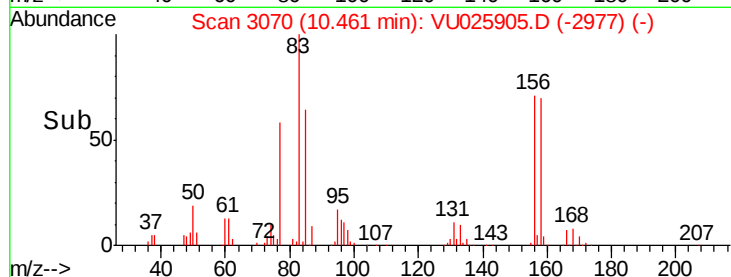
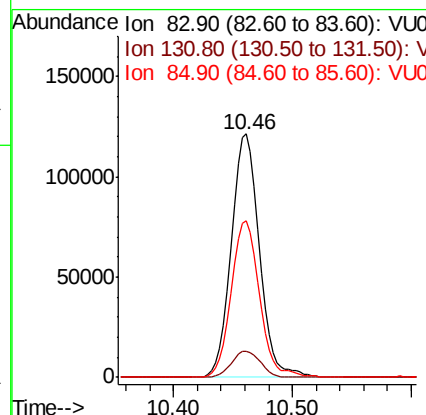
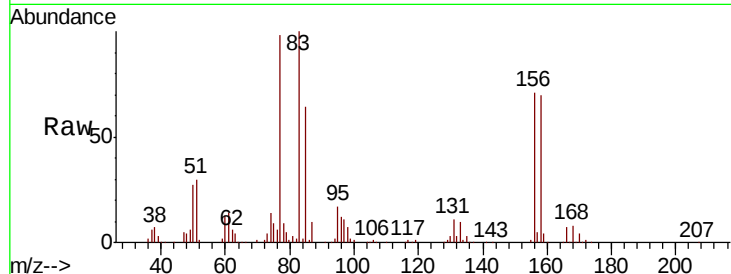
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	198790
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	65.0	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.15 ug/l m

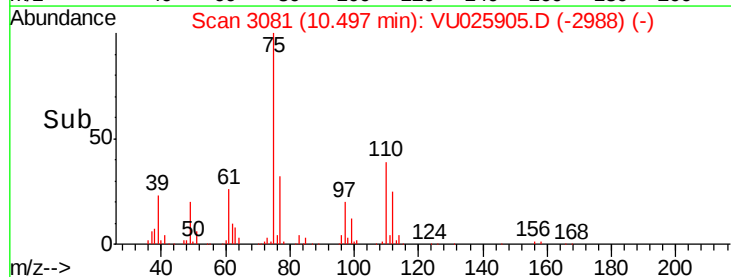
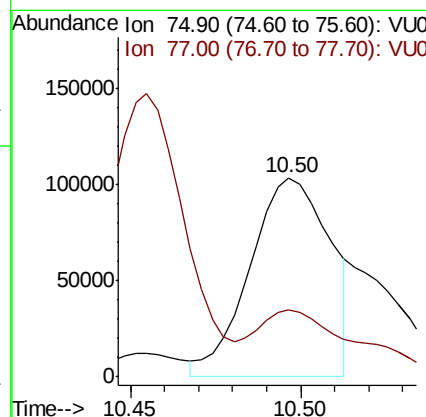
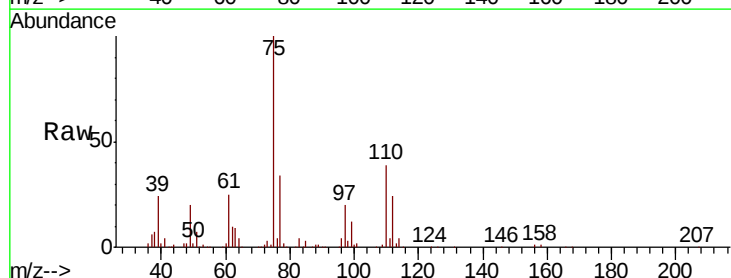
RT: 10.50 min Scan# 3081

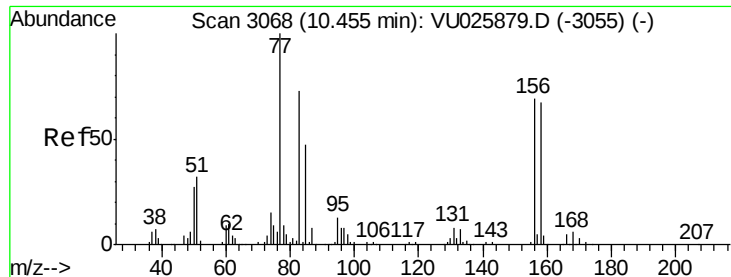
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	75	Resp:	169366
Ion Ratio	Lower	Upper	
75	100		
77	43.4	20.4	61.3





#77

Bromobenzene

Concen: 50.84 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

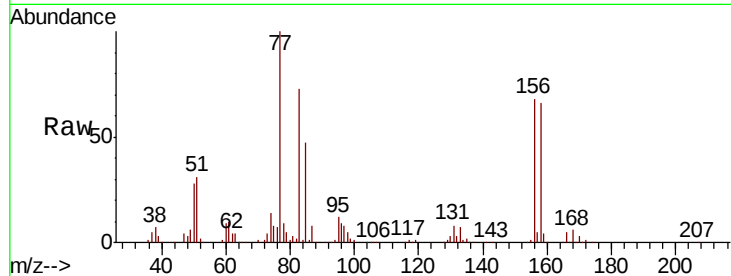
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	159431
Ion Ratio	Lower	Upper	
156	100		
77	146.9	73.8	221.4
158	99.0	48.0	144.0

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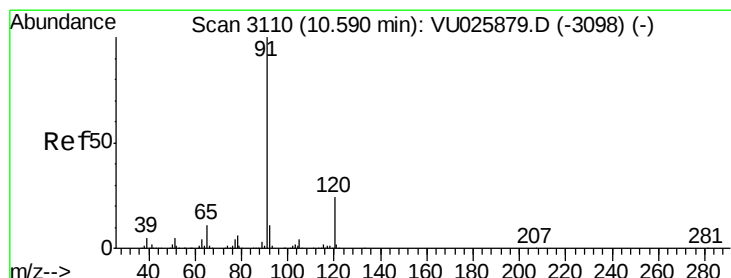
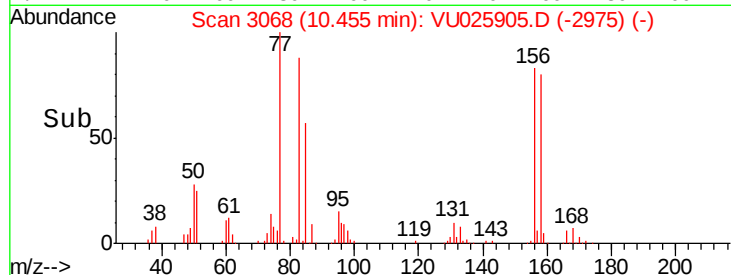
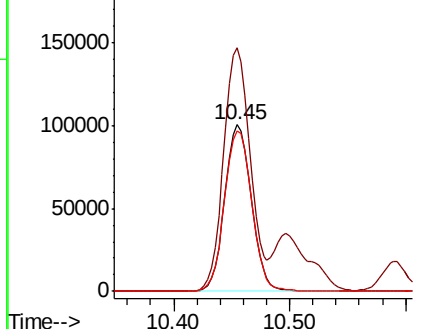
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.52 ug/l

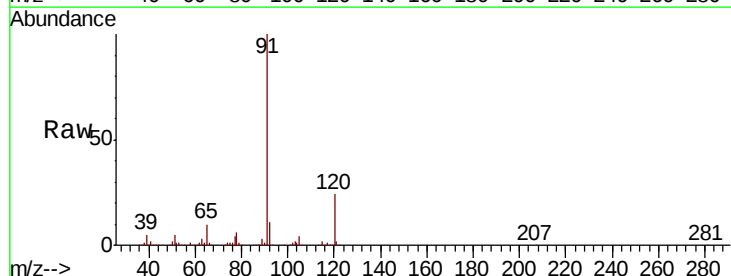
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025905.D

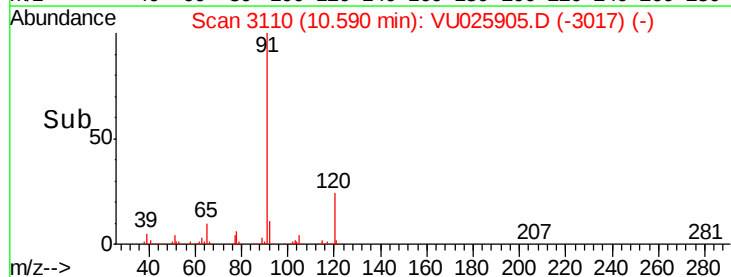
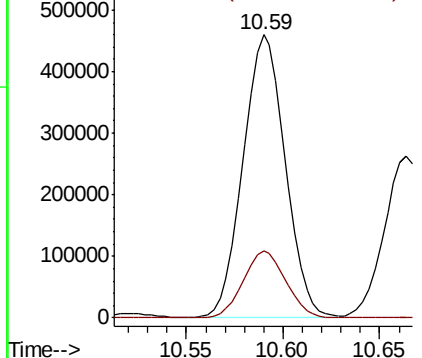
Acq: 06 Aug 2018 22:46

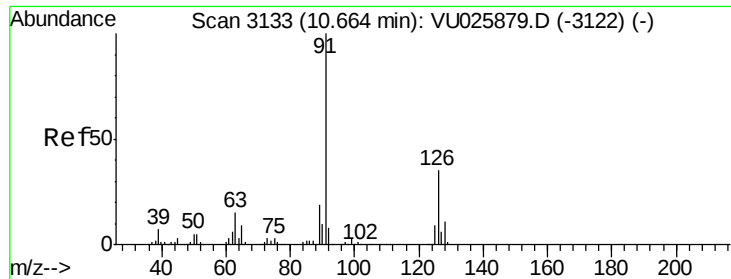
Tgt Ion:	91	Resp:	696916
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.77 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 410166

Ion Ratio Lower Upper

91 100

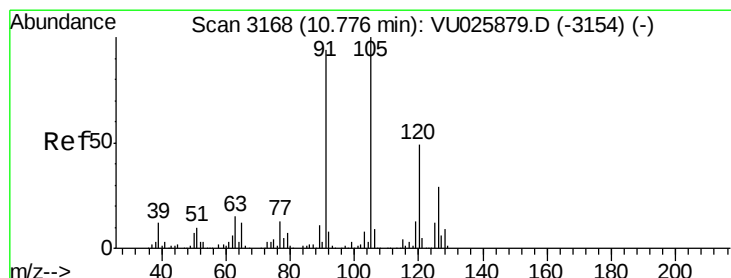
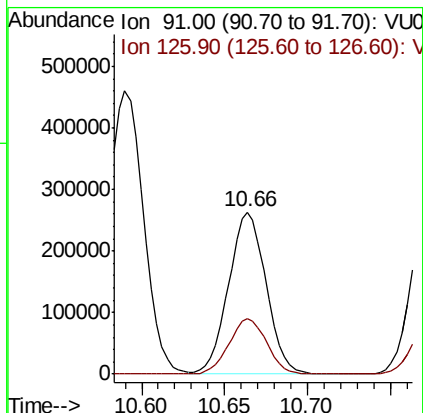
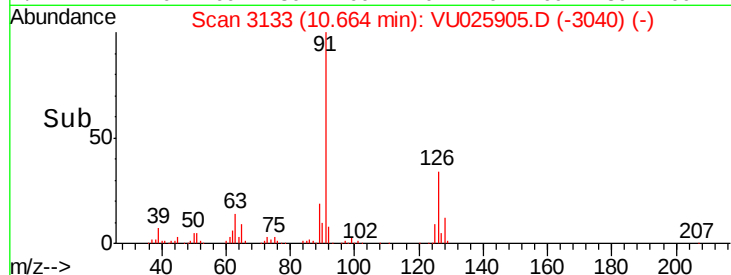
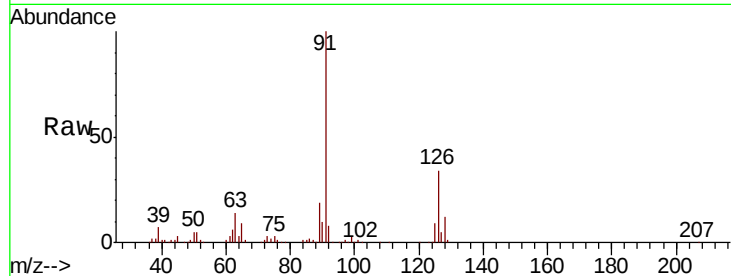
126 34.7 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.96 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025905.D

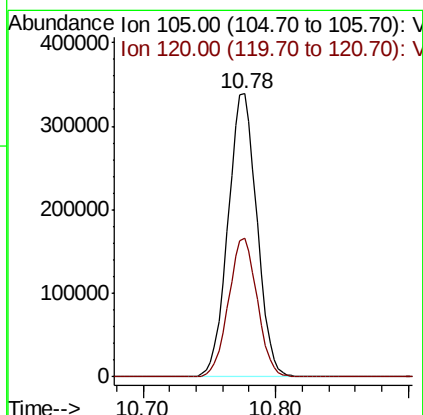
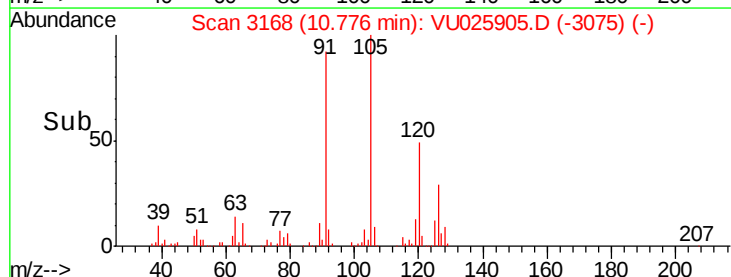
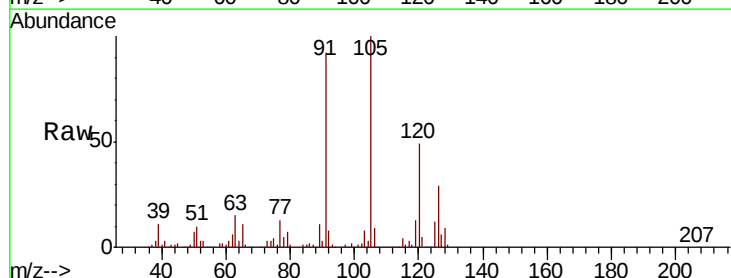
Acq: 06 Aug 2018 22:46

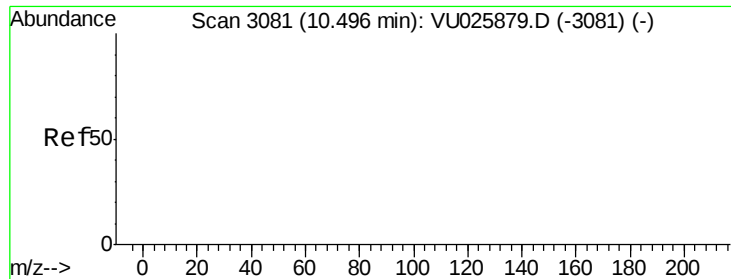
Tgt Ion: 105 Resp: 511395

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





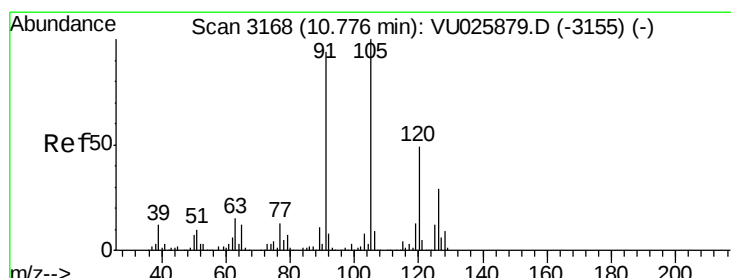
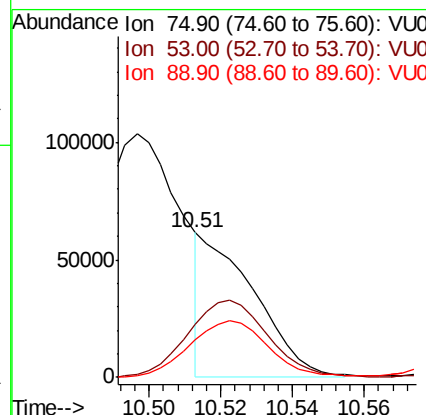
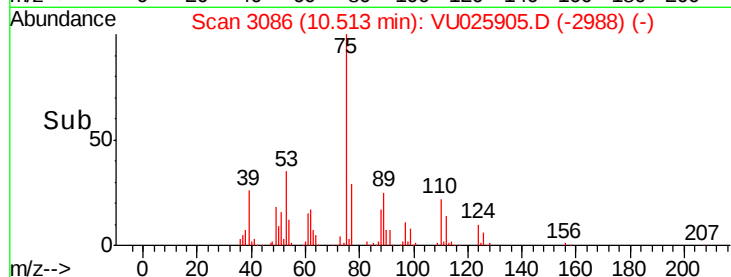
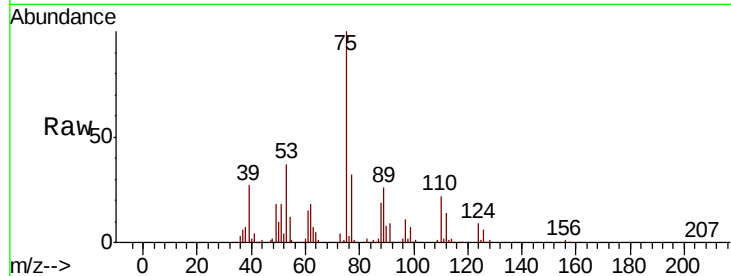
#81
trans-1,4-Dichloro-2-butene
Concen: 43.01 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

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

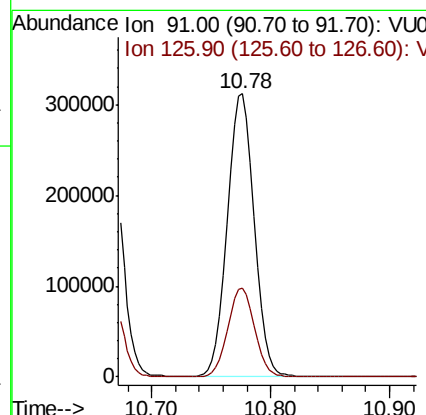
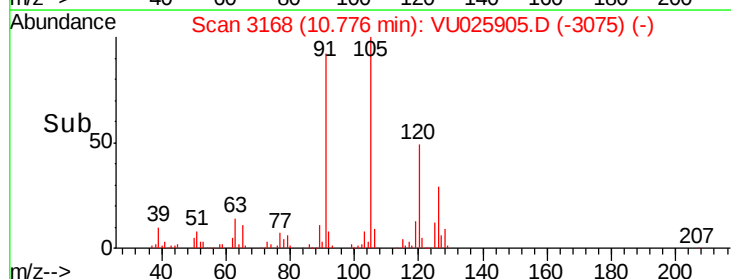
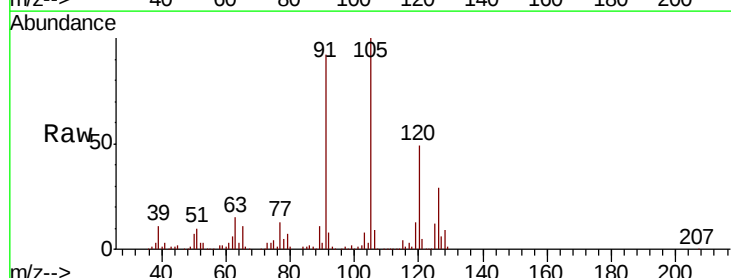
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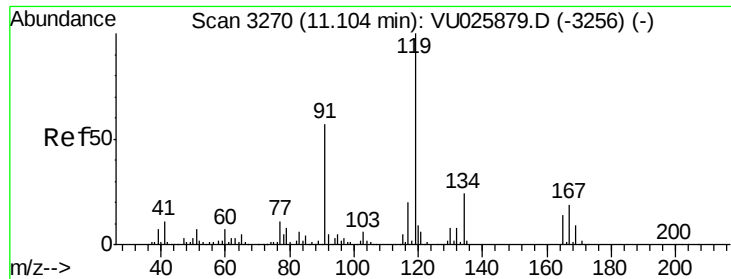
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#82
4-Chlorotoluene
Concen: 53.23 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.3	45.9





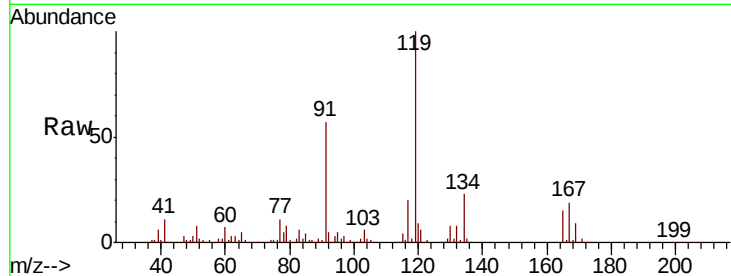
#83
tert-Butylbenzene
Concen: 51.31 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

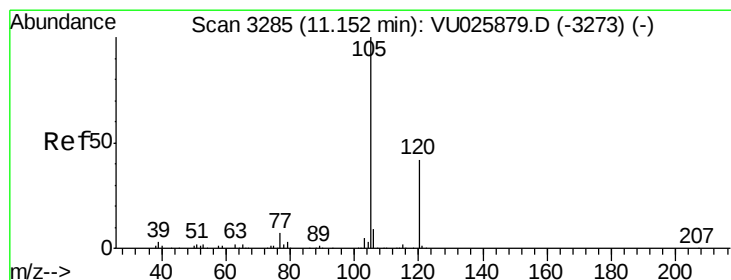
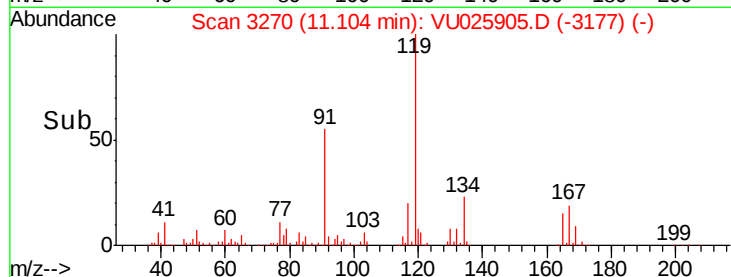
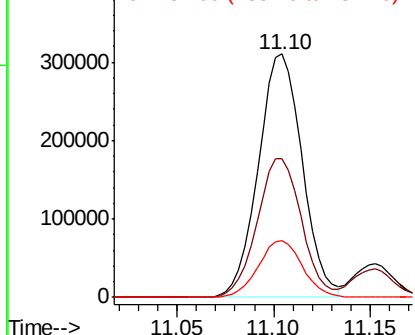
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.7	89.1
134	23.3	11.5	34.5

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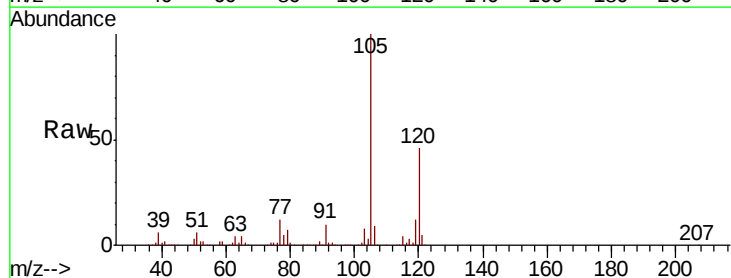


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

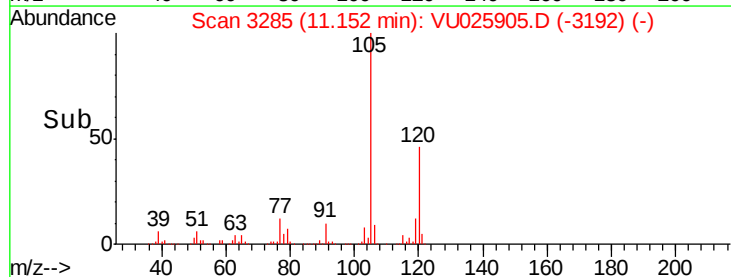
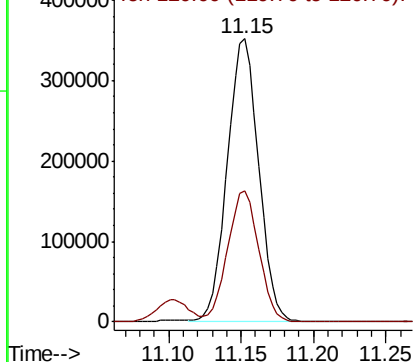


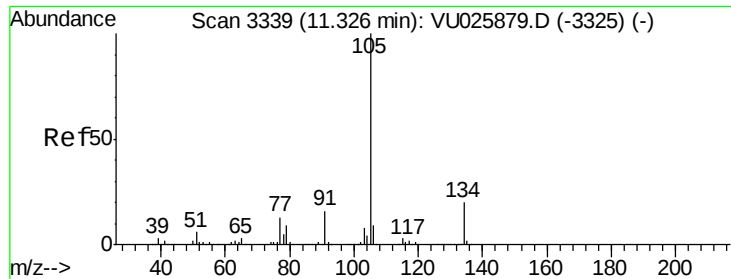
#84
1,2,4-Trimethylbenzene
Concen: 54.11 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





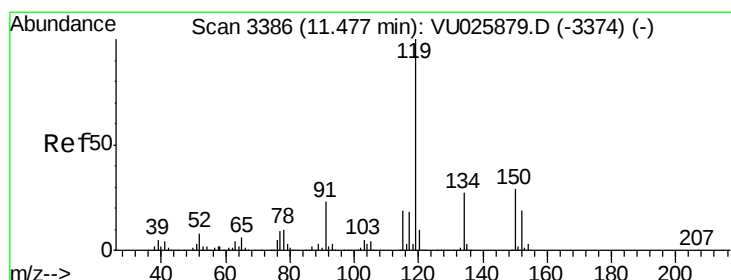
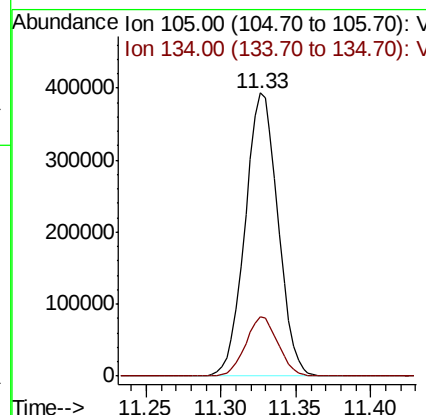
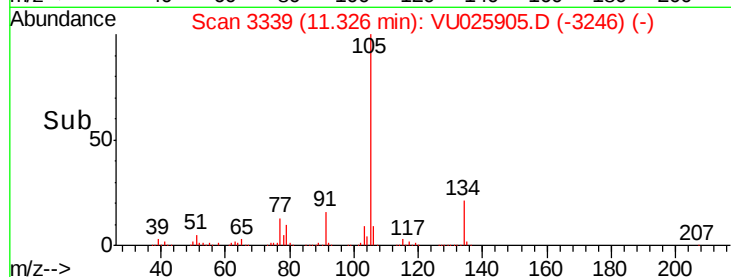
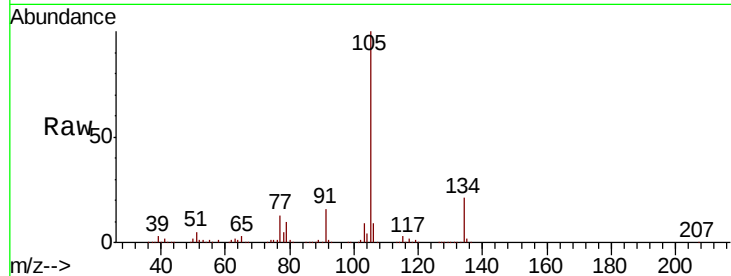
#85
 sec-Butylbenzene
 Concen: 51.29 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

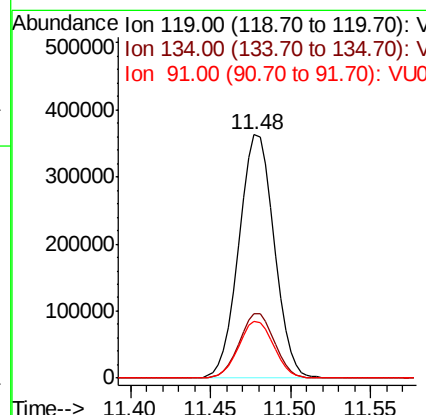
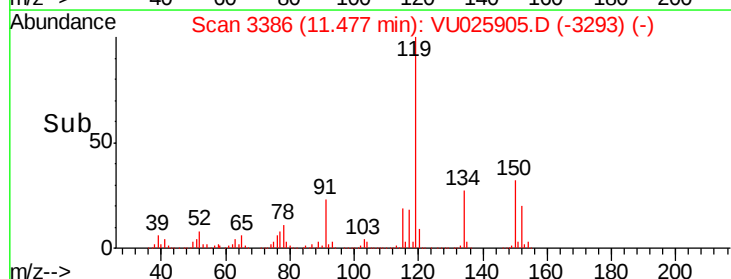
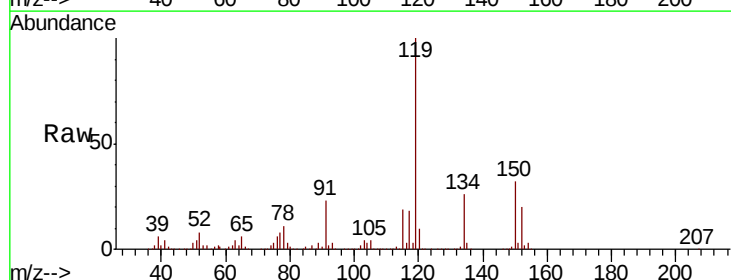
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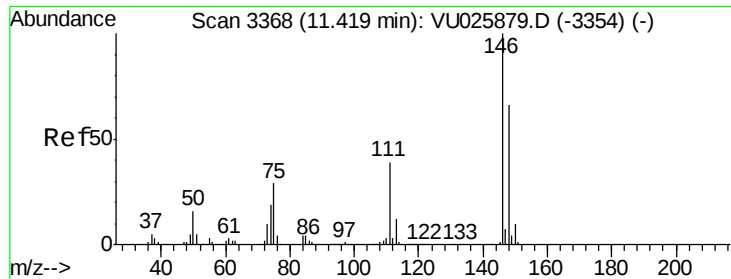
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#86
 p-Isopropyltoluene
 Concen: 51.75 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.6	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 50.68 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

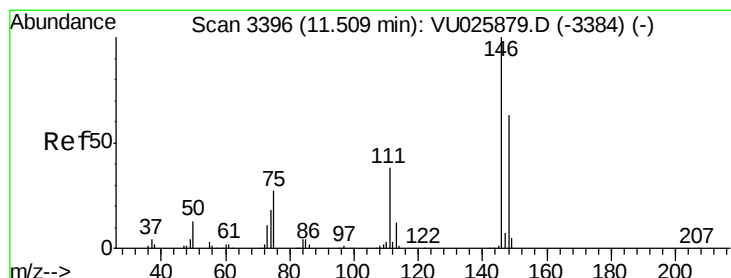
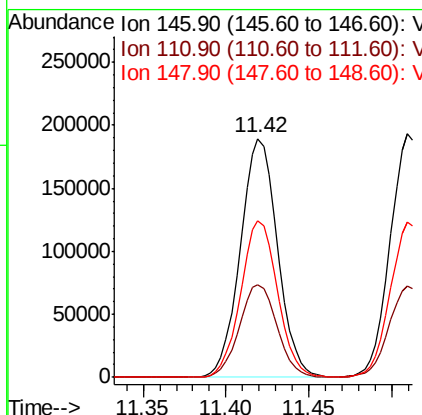
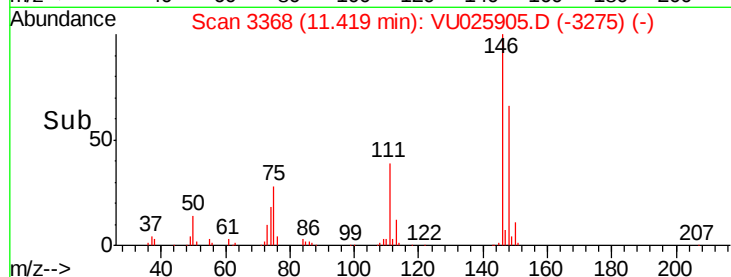
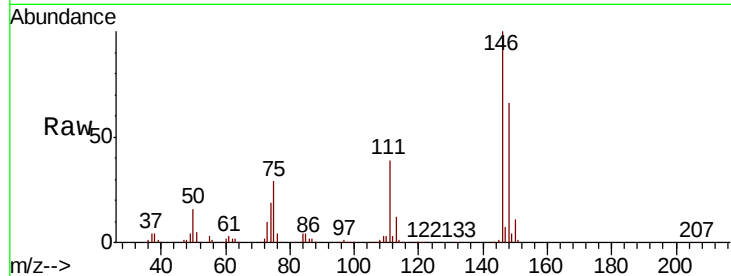
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	294994
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.7	59.1
148	65.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.43 ug/l

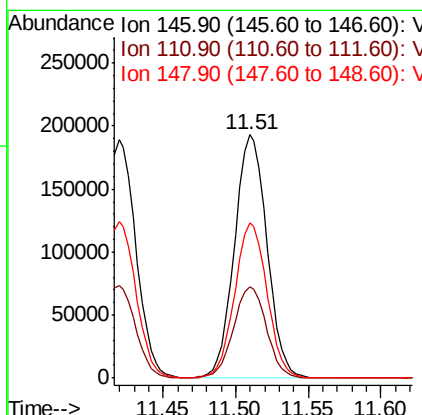
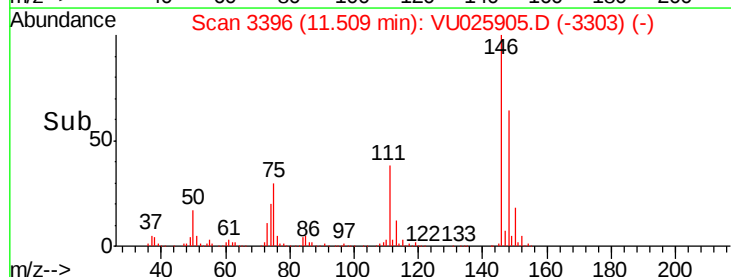
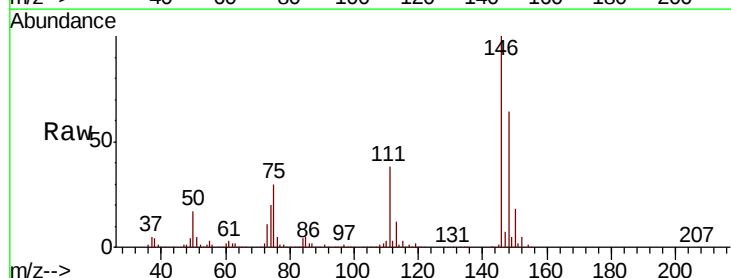
RT: 11.51 min Scan# 3396

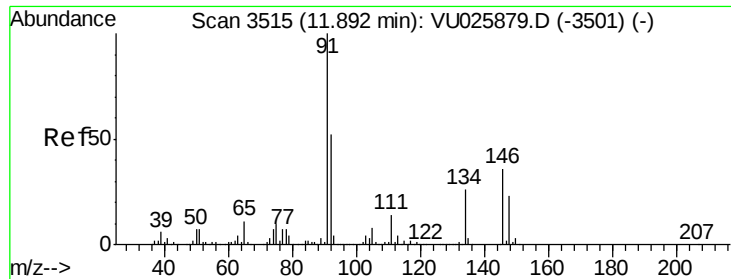
Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	146	Resp:	299943
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.1
148	63.7	31.7	95.1





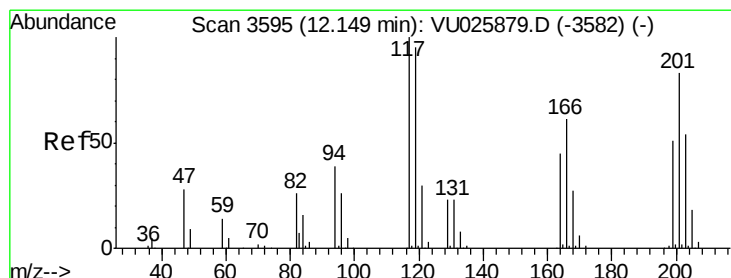
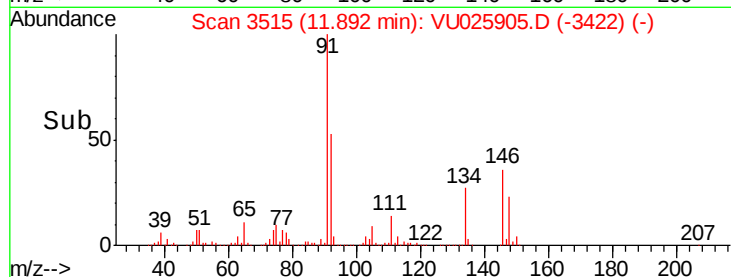
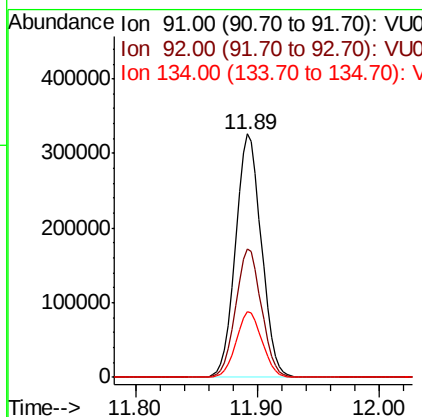
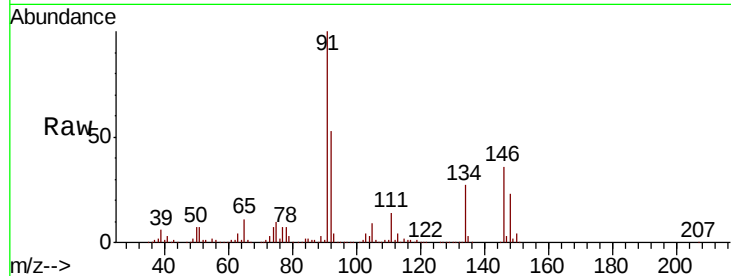
#89
n-Butylbenzene
Concen: 49.33 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	27.2	13.6	40.7

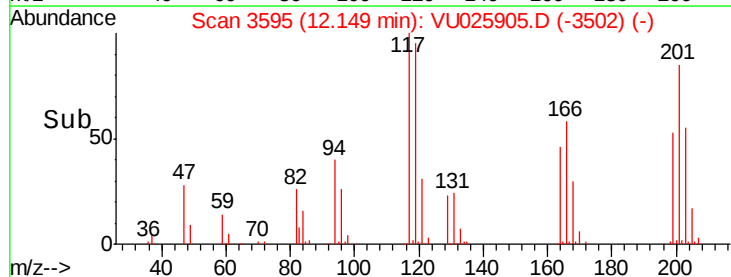
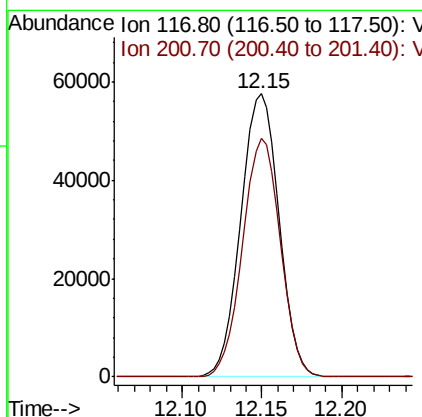
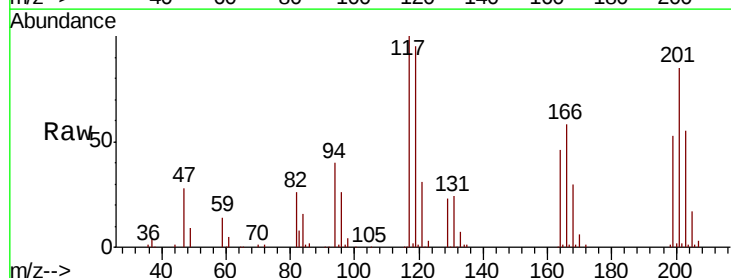
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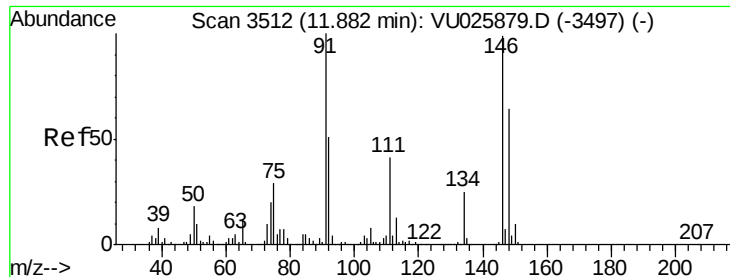
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#90
Hexachloroethane
Concen: 50.33 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	42.5	127.6





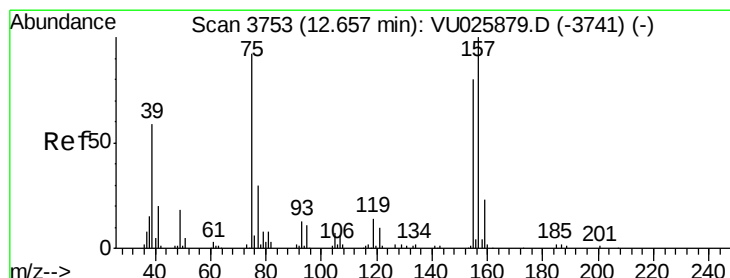
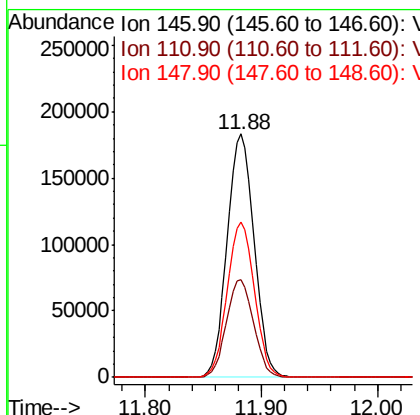
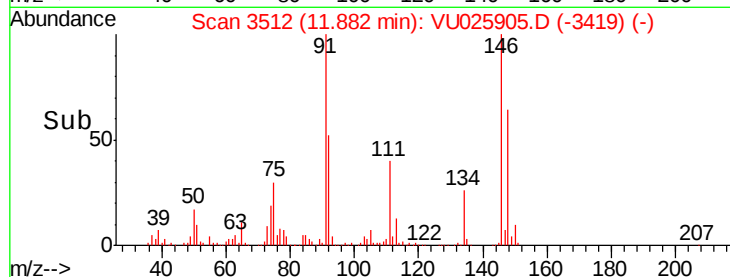
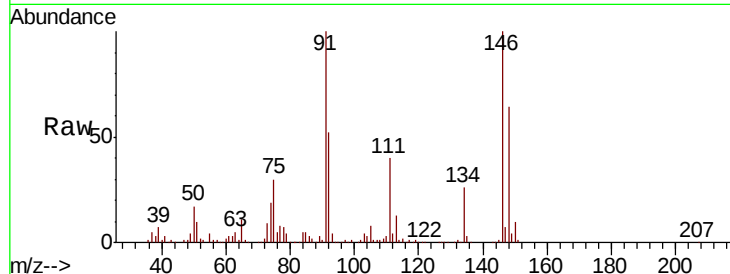
#91
 1,2-Dichlorobenzene
 Concen: 51.45 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293518		
111	40.3	20.6	61.8	
148	64.2	31.5	94.5	

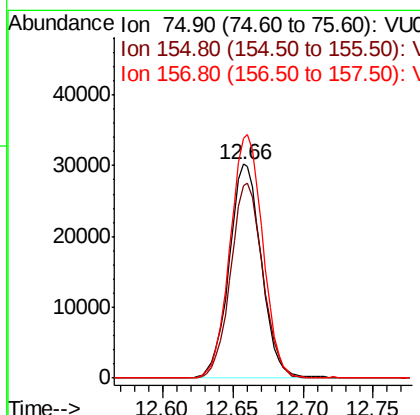
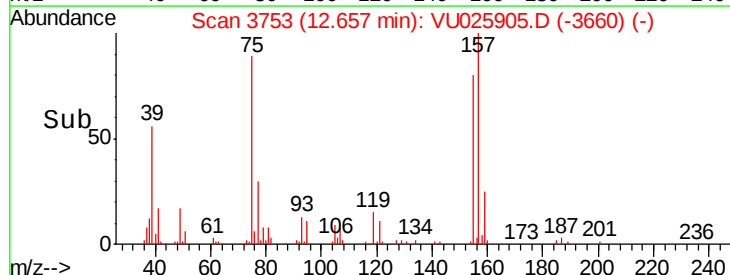
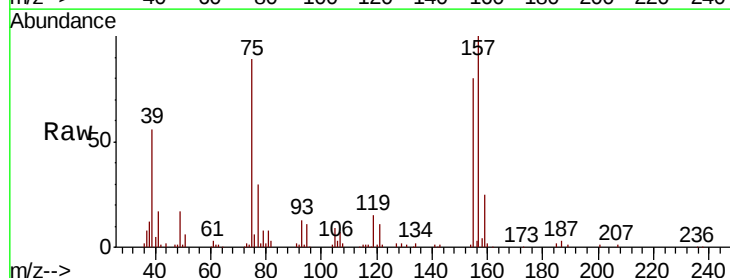
Manual Integrations
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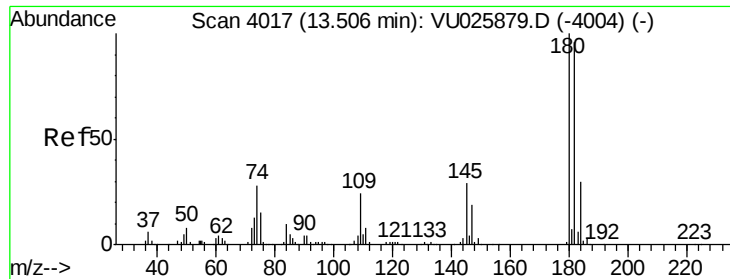
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.86 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48337		
155	90.5	44.5	133.3	
157	115.2	57.0	170.8	





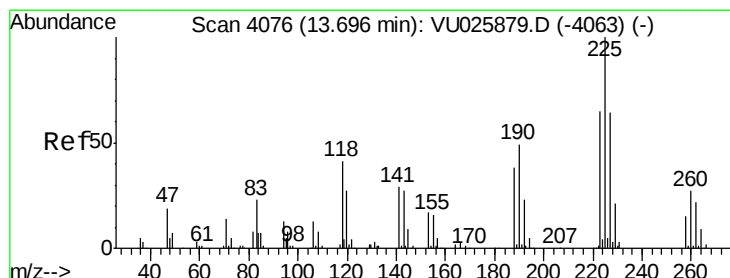
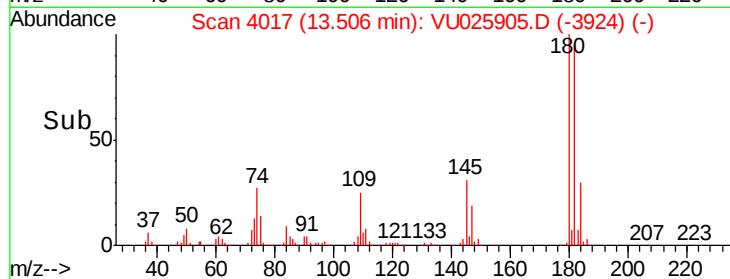
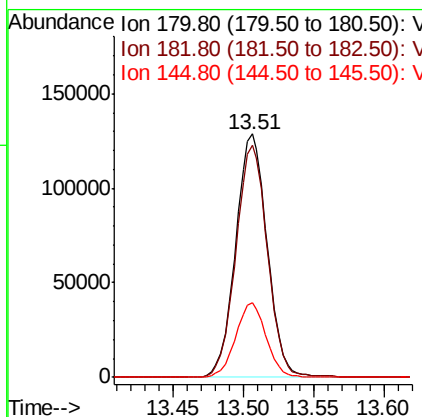
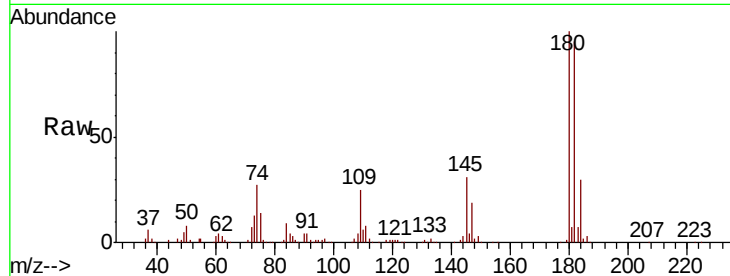
#93
 1,2,4-Trichlorobenzene
 Concen: 52.43 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201898		
182	95.4	47.3	141.9	
145	29.9	14.9	44.7	

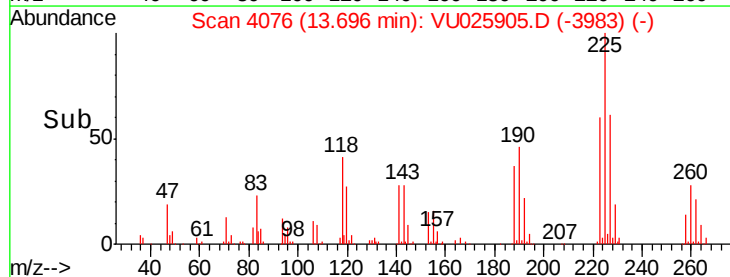
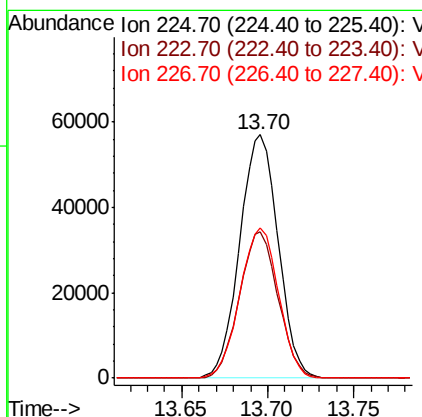
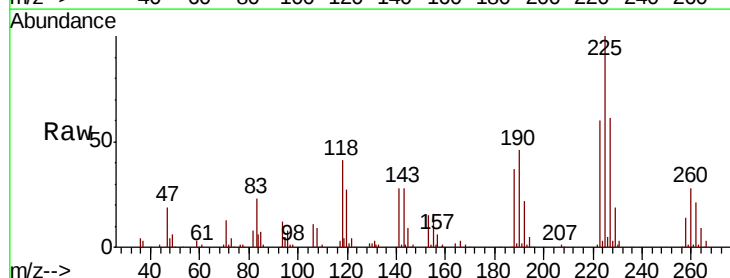
Manual Integrations
 APPROVED

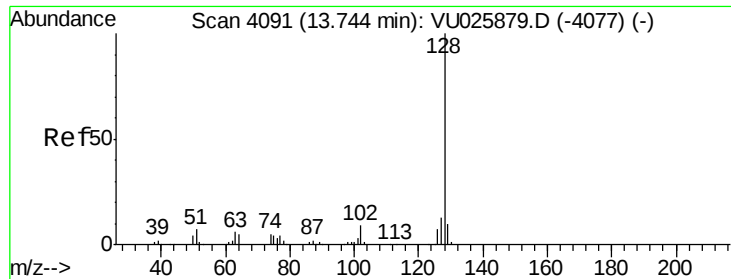
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#94
 Hexachlorobutadiene
 Concen: 43.54 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88378		
223	60.5	31.9	95.7	
227	62.1	32.3	96.9	





#95

Naphthalene

Concen: 50.53 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

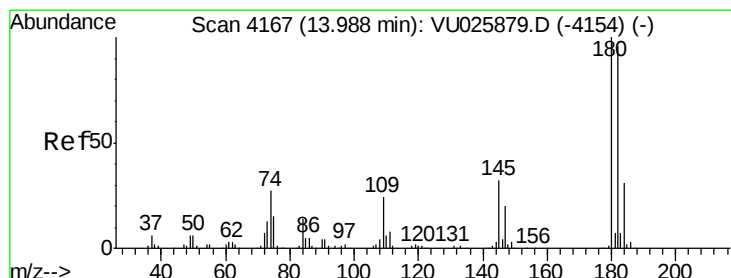
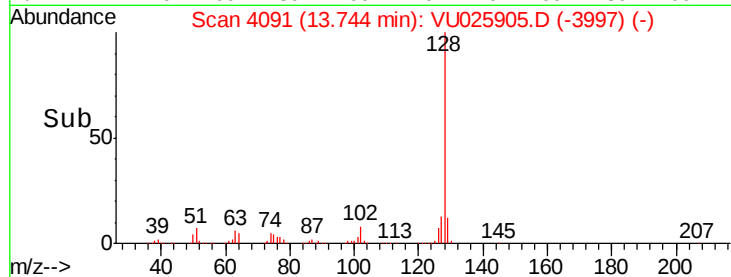
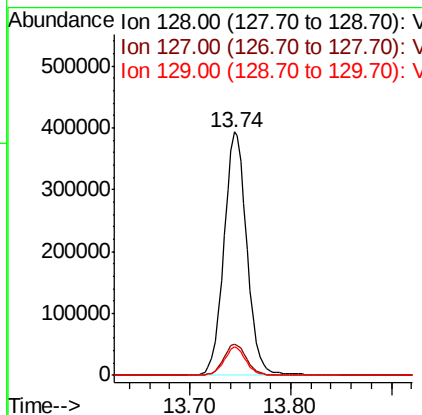
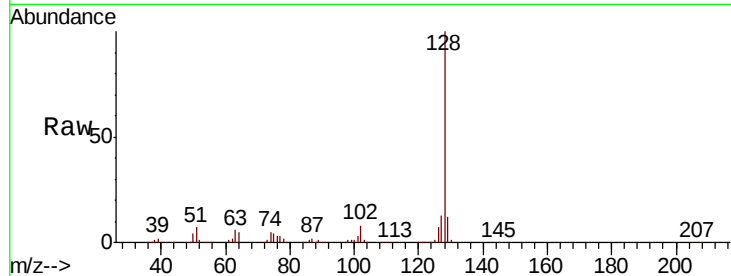
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	625196
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.82 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion:	180	Resp:	202909
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	31.5	15.6	46.8

