

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025281.D
 Acq On : 10 Jul 2018 11:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/12/2018 11:19:18 AM

Quant Time: Jul 11 07:31:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	147081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	215096	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	202465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	124385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97027	42.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.92%	
35) Dibromofluoromethane	4.89	113	79345	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
50) Toluene-d8	7.57	98	264462	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
62) 4-Bromofluorobenzene	10.31	95	108511	43.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	69372	45.58	ug/l	99
3) Chloromethane	1.33	50	69249	45.71	ug/l	100
4) Vinyl Chloride	1.40	62	75665	45.24	ug/l	99
5) Bromomethane	1.62	94	50969	60.85	ug/l	100
6) Chloroethane	1.70	64	50180	47.19	ug/l	97
7) Trichlorofluoromethane	1.89	101	124702	47.44	ug/l	98
8) Diethyl Ether	2.10	74	47251	47.90	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	79644	48.89	ug/l	99
10) Methyl Iodide	2.41	142	78298	44.03	ug/l	98
11) Tert butyl alcohol	2.83	59	120510	241.75	ug/l	99
12) 1,1-Dichloroethene	2.28	96	69300	46.48	ug/l	97
13) Acrolein	2.19	56	49564	150.29	ug/l	97
14) Allyl chloride	2.59	41	123845	45.80	ug/l	99
15) Acrylonitrile	2.94	53	248317	242.29	ug/l	99
16) Acetone	2.32	43	297279	254.85	ug/l	99
17) Carbon Disulfide	2.48	76	186967	43.19	ug/l	99
18) Methyl Acetate	2.62	43	117495	50.22	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	280965	49.54	ug/l	100
20) Methylene Chloride	2.70	84	83542	47.30	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	77146	45.28	ug/l	98
22) Diisopropyl ether	3.57	45	267203	48.39	ug/l	98
23) Vinyl Acetate	3.53	43	1185001	244.63	ug/l	99
24) 1,1-Dichloroethane	3.45	63	150915	48.46	ug/l	99
25) 2-Butanone	4.26	43	389485	245.91	ug/l	99
26) 2,2-Dichloropropane	4.23	77	146773	49.02	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	91421	46.38	ug/l	98
28) Bromochloromethane	4.55	49	70180	46.67	ug/l	99
29) Tetrahydrofuran	4.64	42	225354	237.21	ug/l	100
30) Chloroform	4.68	83	162303	49.21	ug/l	98
31) Cyclohexane	5.00	56	132886	46.10	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	146539	49.03	ug/l	99
36) 1,1-Dichloropropene	5.14	75	112589	47.08	ug/l	98
37) Ethyl Acetate	4.38	43	133396	50.02	ug/l	98
38) Carbon Tetrachloride	5.14	117	130203	50.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	140790	47.20	ug/l	97
40) Benzene	5.39	78	325828	47.28	ug/l	98
41) Methacrylonitrile	4.54	41	73636	49.80	ug/l	99
42) 1,2-Dichloroethane	5.41	62	134414	49.07	ug/l	100
43) Isopropyl Acetate	5.55	43	211993	49.64	ug/l	100
44) Trichloroethene	6.19	130	92585	46.79	ug/l	99
45) 1,2-Dichloropropane	6.44	63	89090	49.36	ug/l	96
46) Dibromomethane	6.56	93	65095	49.56	ug/l	98
47) Bromodichloromethane	6.76	83	125040	51.24	ug/l	99
48) Methyl methacrylate	6.63	41	106369	49.96	ug/l	99
49) 1,4-Dioxane	6.62	88	55639	1086.08	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	681296	245.45	ug/l	100
52) Toluene	7.64	92	214146	48.84	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	135444	50.52	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	140995	49.41	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	88183	48.29	ug/l	99
56) Ethyl methacrylate	8.02	69	141749	49.70	ug/l	98
57) 1,3-Dichloropropane	8.25	76	151271	49.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	236647	183.79	ug/l	100
59) 2-Hexanone	8.36	43	551769	245.07	ug/l	98
60) Dibromochloromethane	8.48	129	102205	51.83	ug/l	99
61) 1,2-Dibromoethane	8.59	107	96259	49.27	ug/l	99
64) Tetrachloroethene	8.23	164	87273	47.29	ug/l	100
65) Chlorobenzene	9.12	112	244043	48.25	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	92749	51.26	ug/l	99
67) Ethyl Benzene	9.25	91	424230	49.20	ug/l	99
68) m/p-Xylenes	9.38	106	331901	99.56	ug/l	100
69) o-Xylene	9.78	106	161986	48.53	ug/l	96
70) Styrene	9.80	104	264348	49.86	ug/l	99
71) Bromoform	9.96	173	78470	45.33	ug/l #	99
73) Isopropylbenzene	10.17	105	440545	46.36	ug/l	99
74) N-amyl acetate	10.01	43	184361	47.46	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	142636	45.87	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	132747m	51.65	ug/l	
77) Bromobenzene	10.46	156	112298	46.19	ug/l	98
78) n-propylbenzene	10.59	91	504425	47.83	ug/l	99
79) 2-Chlorotoluene	10.66	91	301483	49.79	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	380897	47.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	41469m	41.85	ug/l	
82) 4-Chlorotoluene	10.78	91	347673	46.56	ug/l	100
83) tert-Butylbenzene	11.10	119	377260	46.68	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	387286	47.25	ug/l	98
85) sec-Butylbenzene	11.33	105	459602	48.30	ug/l	100
86) p-Isopropyltoluene	11.48	119	412202	48.93	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	206439	46.46	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	208997	48.21	ug/l	100
89) n-Butylbenzene	11.89	91	338637	48.90	ug/l	100
90) Hexachloroethane	12.15	117	68514	48.03	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	211838	47.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	38903	51.59	ug/l	98

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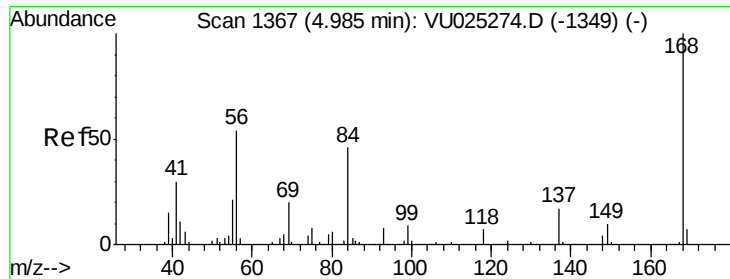
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	142252	47.51	ug/l	99
94) Hexachlorobutadiene	13.70	225	77272	48.15	ug/l	99
95) Naphthalene	13.75	128	457426	50.08	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	151434	49.65	ug/l	99

(#) = 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: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 147081

Ion Ratio Lower Upper

168 100

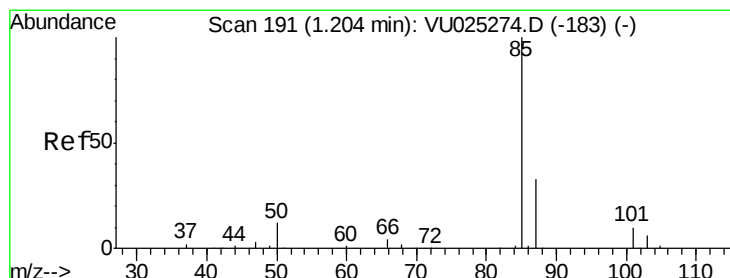
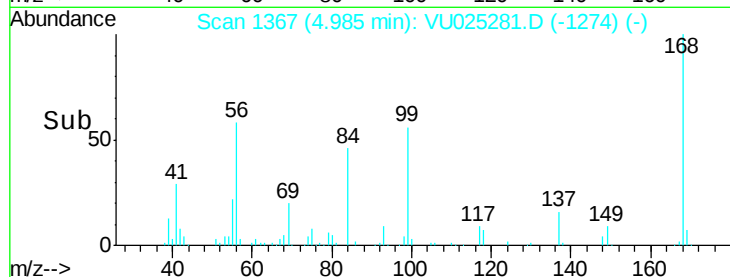
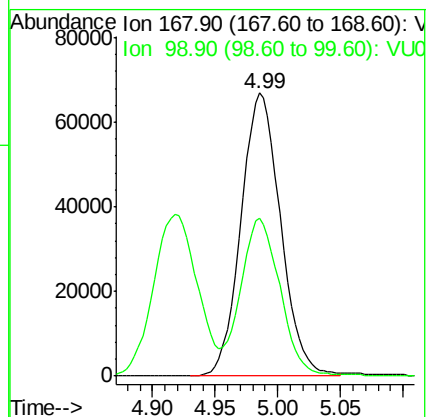
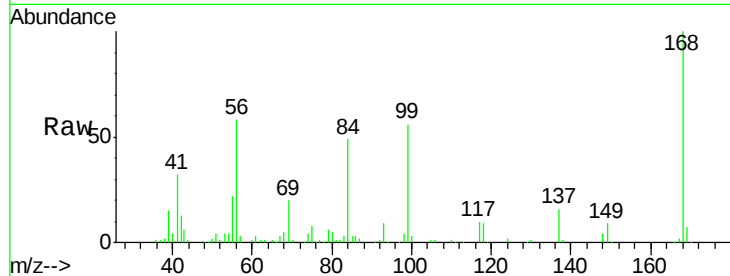
99 55.1 42.8 64.2

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#2

Dichlorodifluoromethane

Concen: 45.58 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025281.D

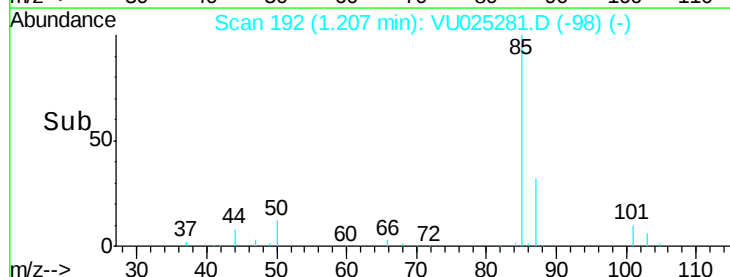
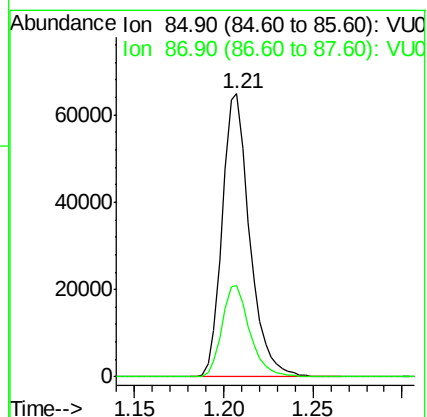
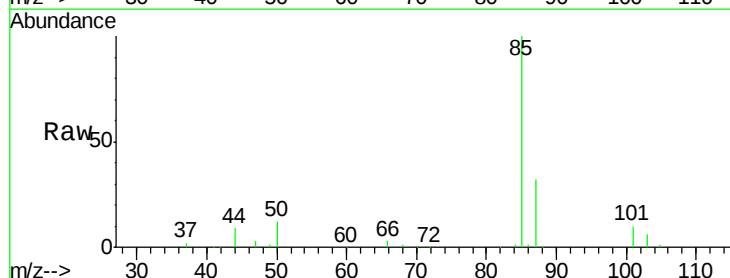
Acq: 10 Jul 2018 11:33

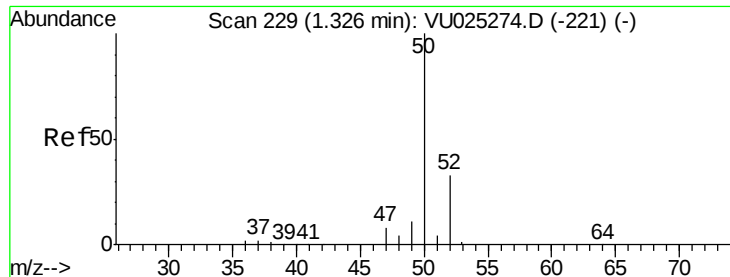
Tgt Ion: 85 Resp: 69372

Ion Ratio Lower Upper

85 100

87 32.3 16.5 49.5





#3

Chloromethane

Concen: 45.71 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 69249

Ion Ratio Lower Upper

50 100

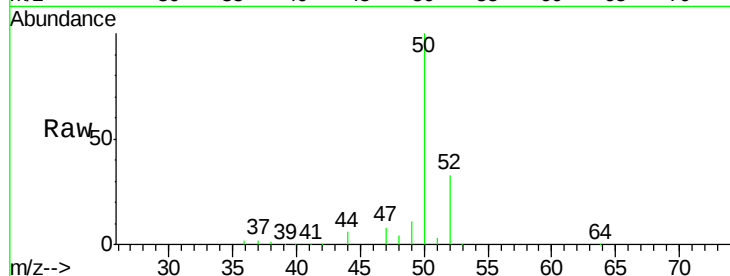
52 33.3 26.5 39.7

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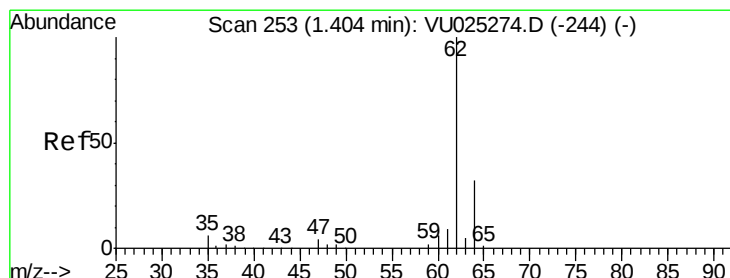
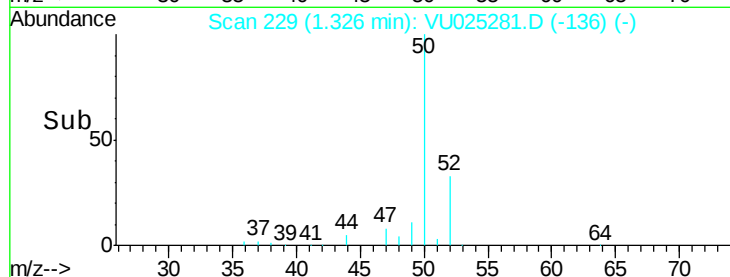
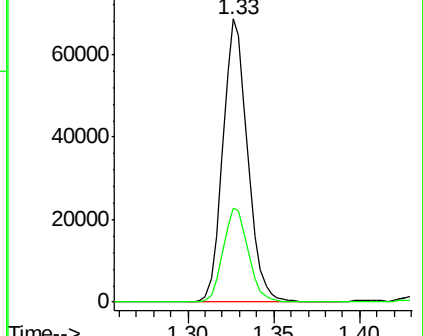
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.24 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025281.D

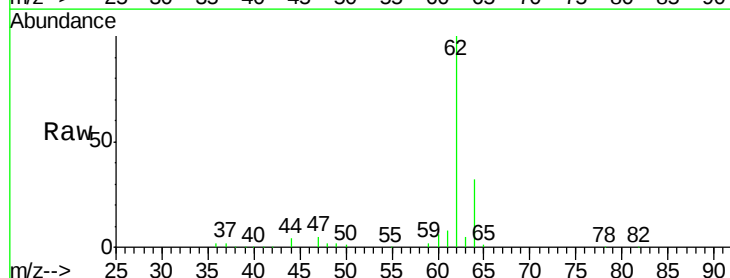
Acq: 10 Jul 2018 11:33

Tgt Ion: 62 Resp: 75665

Ion Ratio Lower Upper

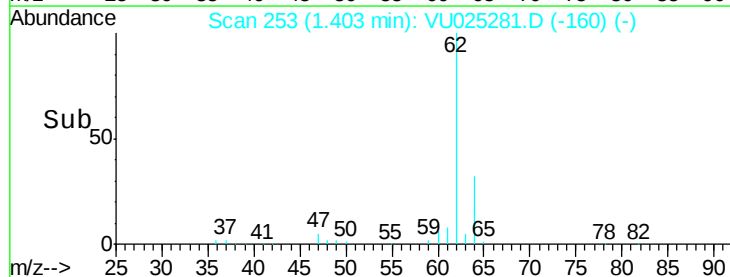
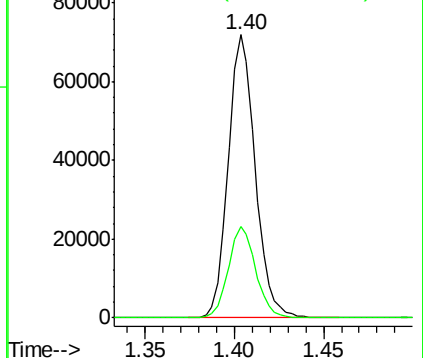
62 100

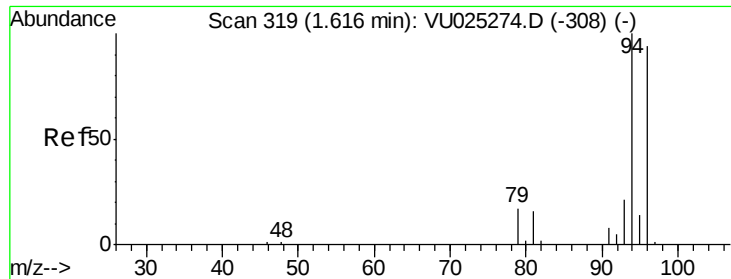
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 60.85 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 50969

Ion Ratio Lower Upper

94 100

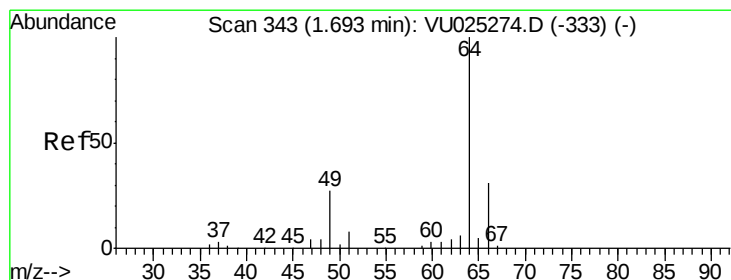
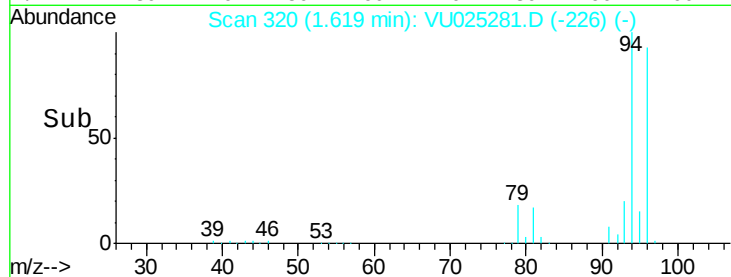
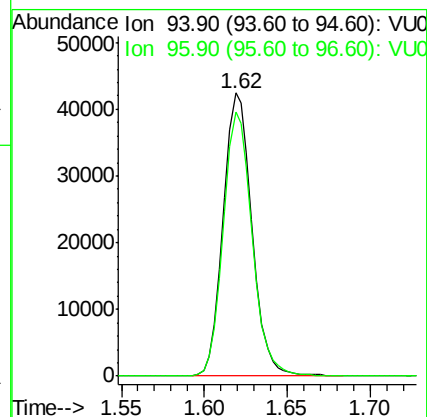
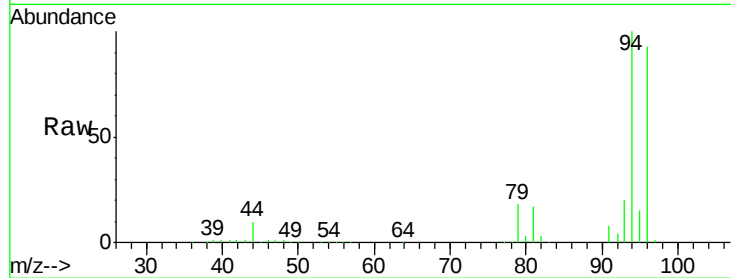
96 93.3 75.0 112.4

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#6

Chloroethane

Concen: 47.19 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025281.D

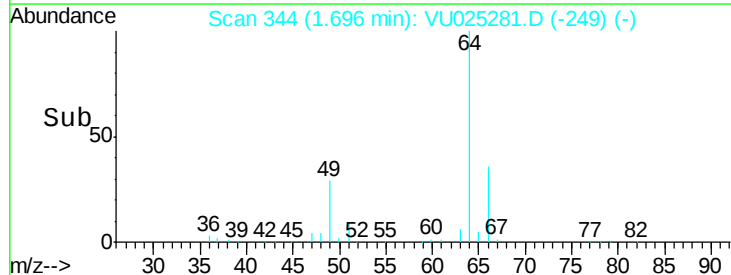
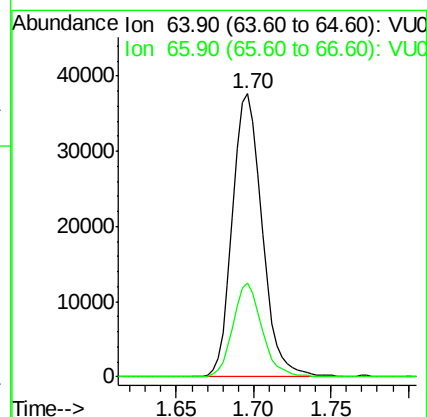
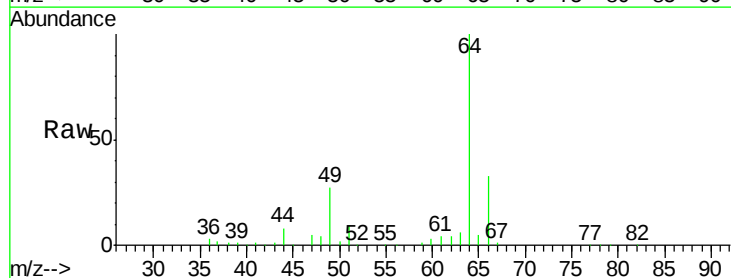
Acq: 10 Jul 2018 11:33

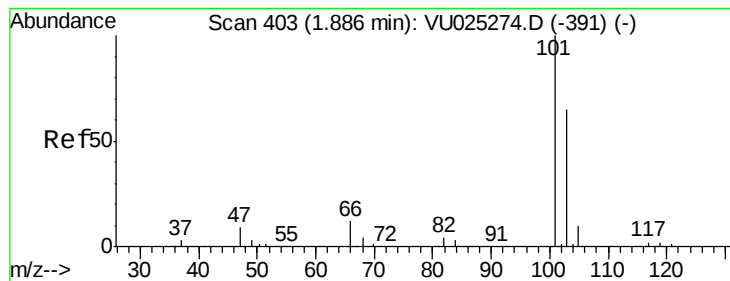
Tgt Ion: 64 Resp: 50180

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4





#7

Trichlorofluoromethane

Concen: 47.44 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

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Tot Ion:101 Resp: 124702

Ion Ratio Lower Upper

101 100

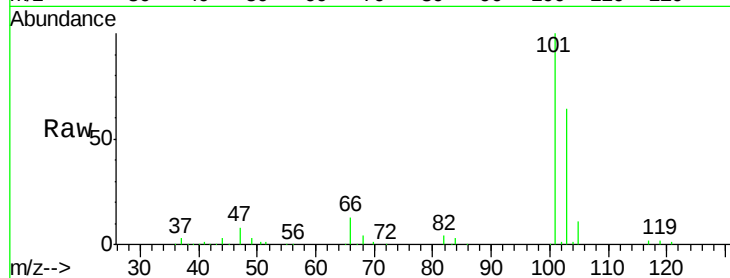
103 63.8 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.89

100000

80000

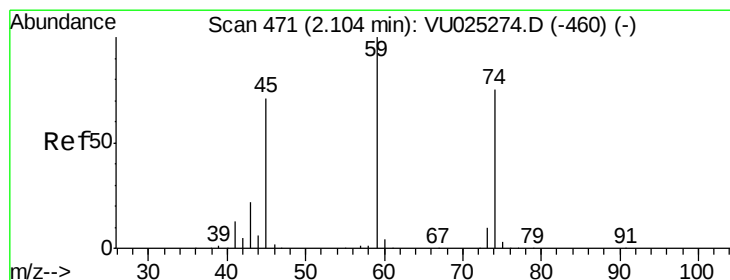
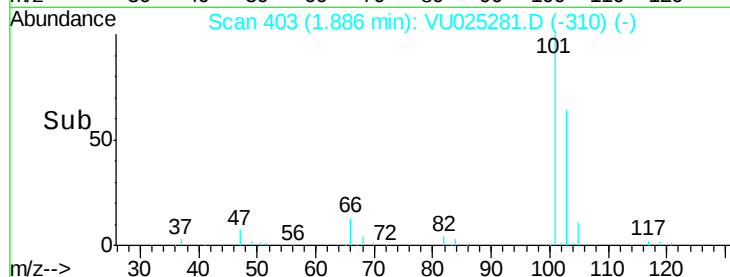
60000

40000

20000

0

Time--> 1.80 1.85 1.90 1.95



#8

Diethyl Ether

Concen: 47.90 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025281.D

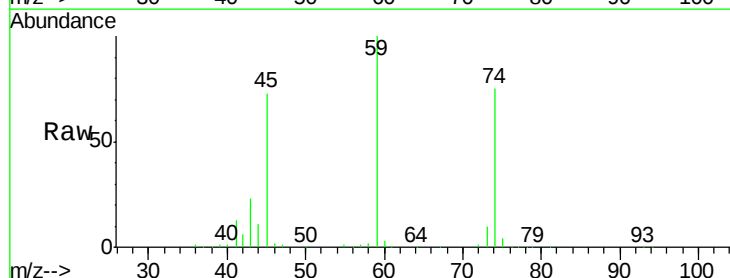
Acq: 10 Jul 2018 11:33

Tgt Ion: 74 Resp: 47251

Ion Ratio Lower Upper

74 100

45 96.2 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

40000

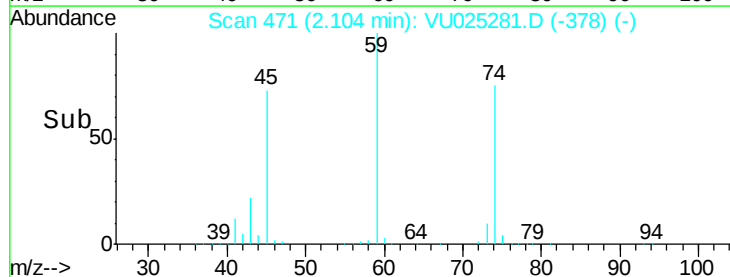
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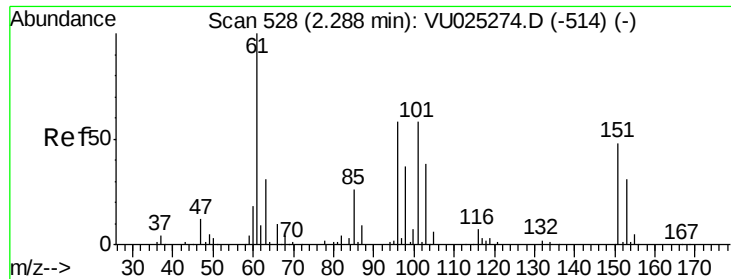
20000

10000

0

Time--> 2.05 2.10 2.15 2.20





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.89 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

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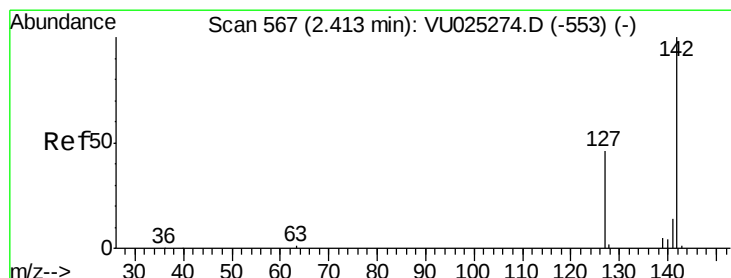
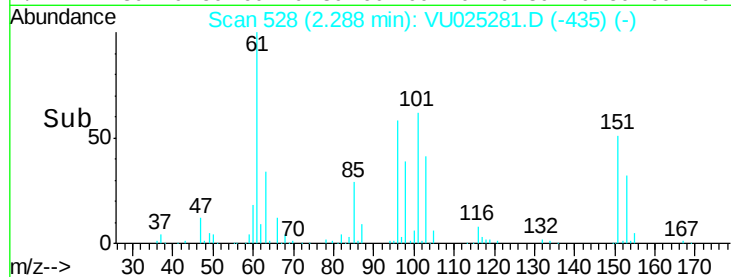
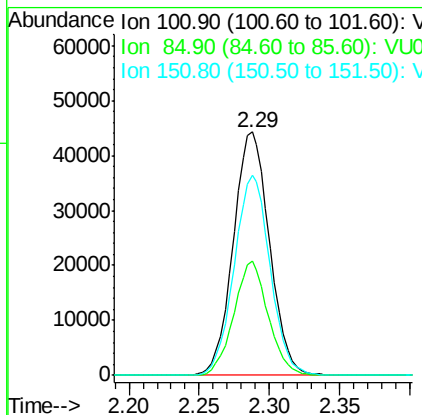
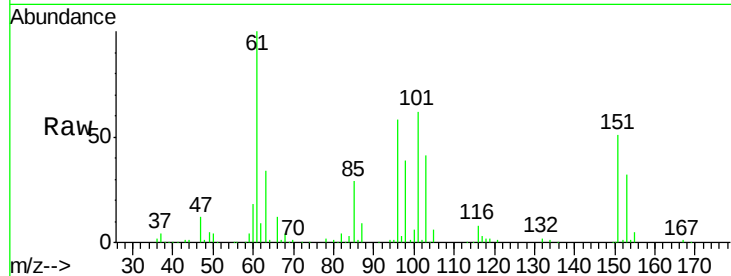
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79644
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	81.7	65.6	98.4

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#10

Methyl Iodide

Concen: 44.03 ug/l

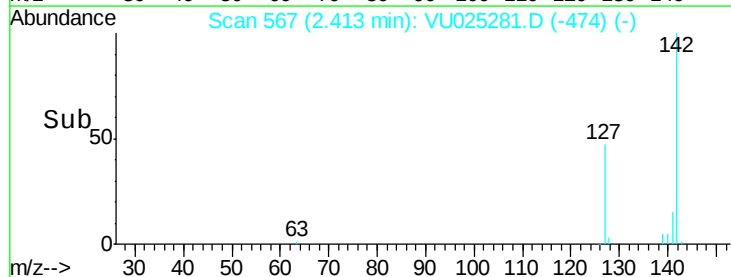
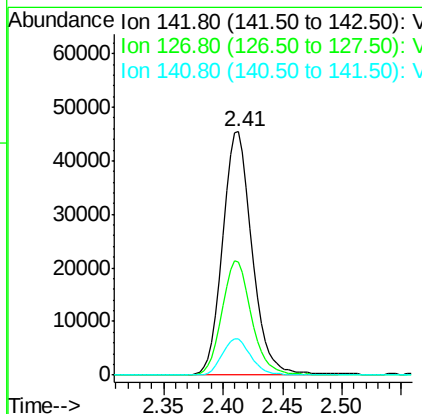
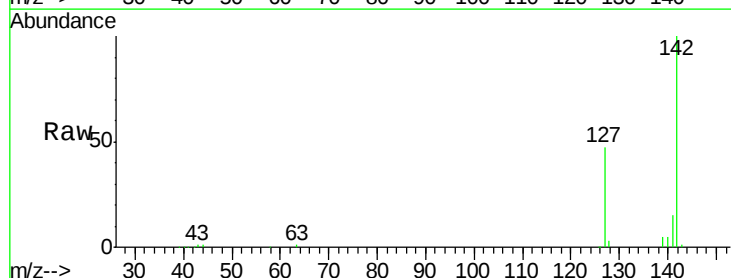
RT: 2.41 min Scan# 567

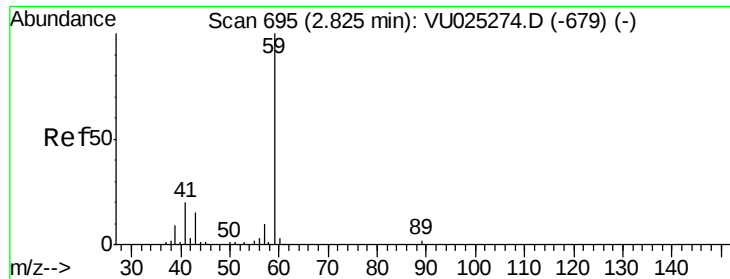
Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	142	Resp:	78298
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.5	54.7
141	14.4	11.4	17.2





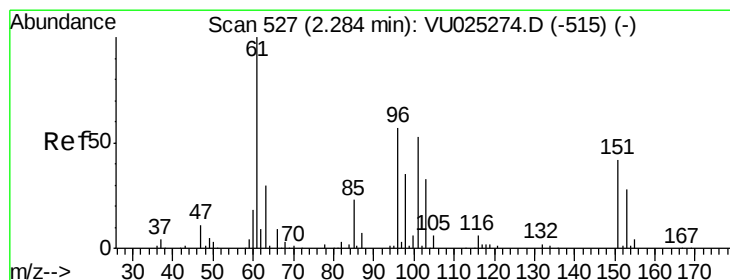
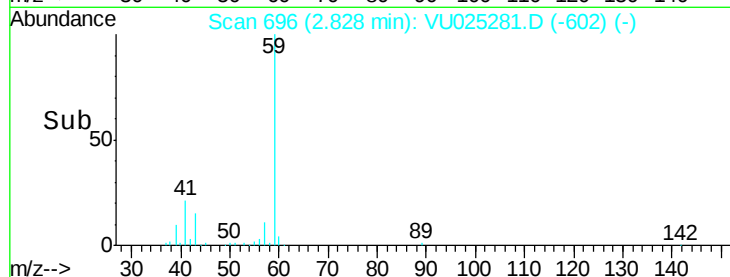
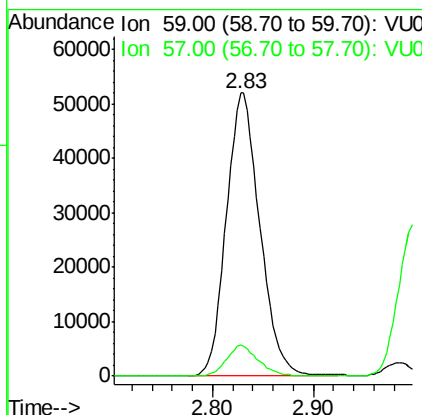
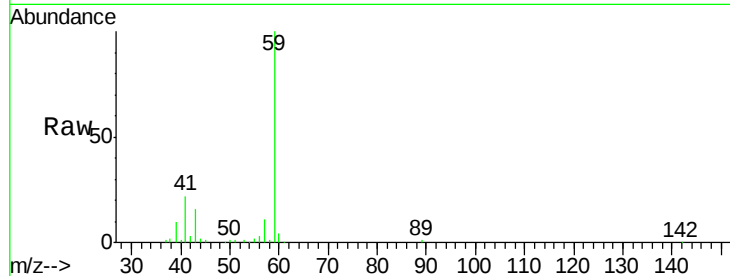
#11
Tert butyl alcohol
Concen: 241.75 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	120510
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

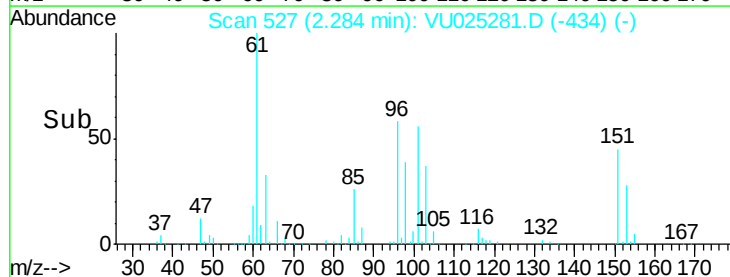
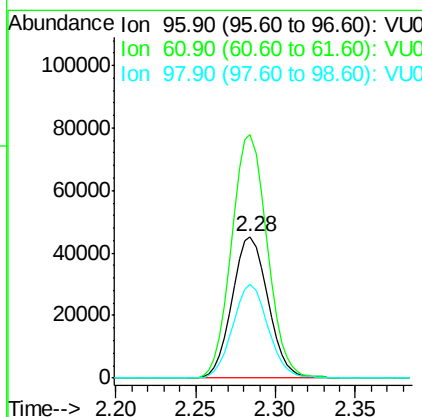
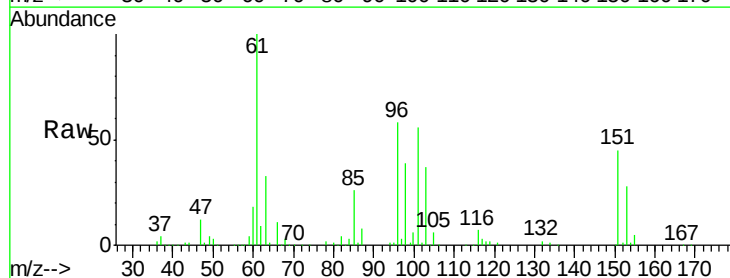
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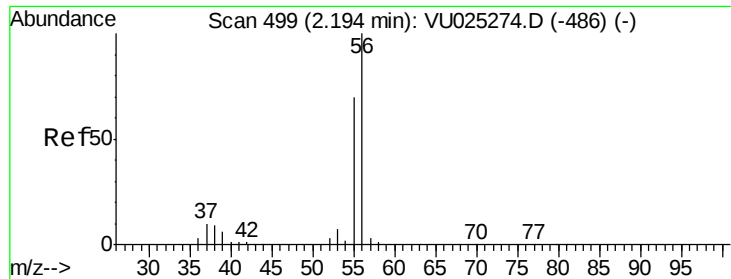
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#12
1,1-Dichloroethene
Concen: 46.48 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	96	Resp	69300
Ion Ratio	100	Lower	Upper
61	172.3	140.2	210.4
98	66.5	49.3	73.9





#13

Acrolein

Concen: 150.29 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49564

Ion Ratio Lower Upper

56 100

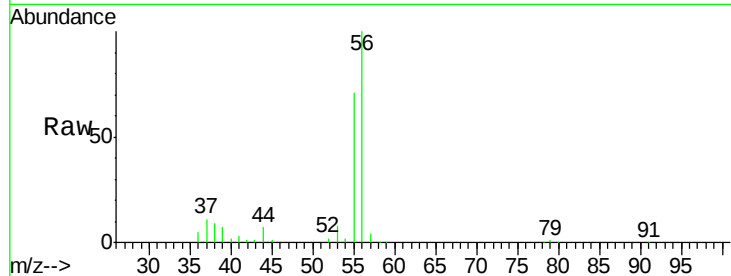
55 69.3 57.2 85.8

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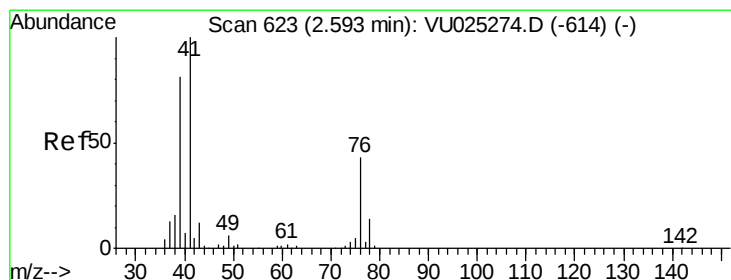
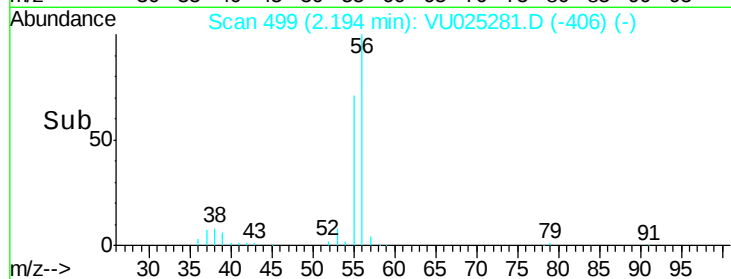
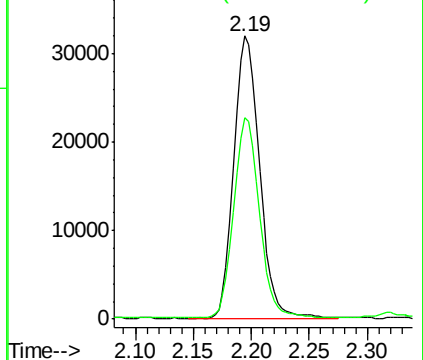
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 45.80 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

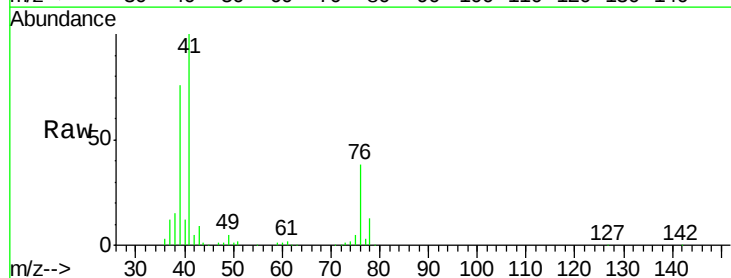
Tgt Ion: 41 Resp: 123845

Ion Ratio Lower Upper

41 100

39 75.7 60.6 91.0

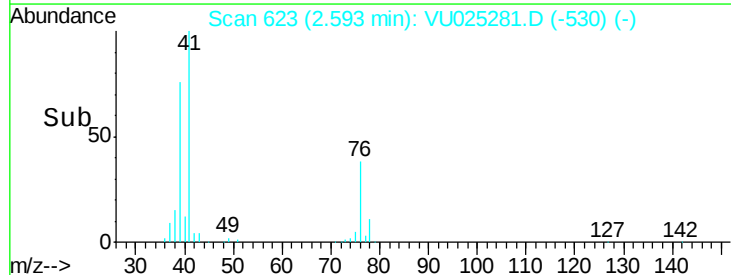
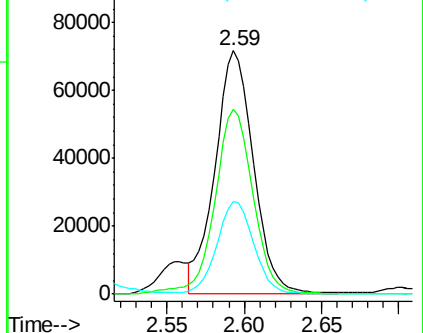
76 36.8 30.5 45.7

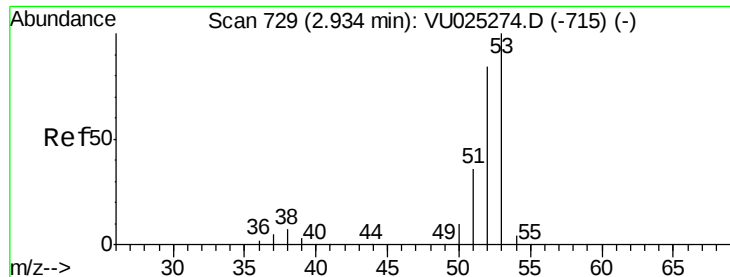


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 242.29 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

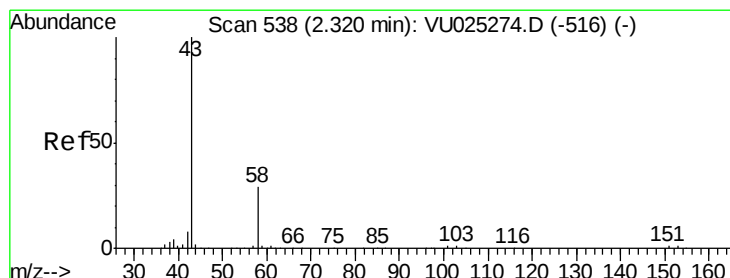
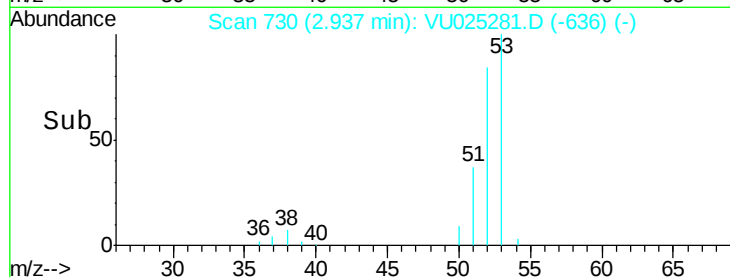
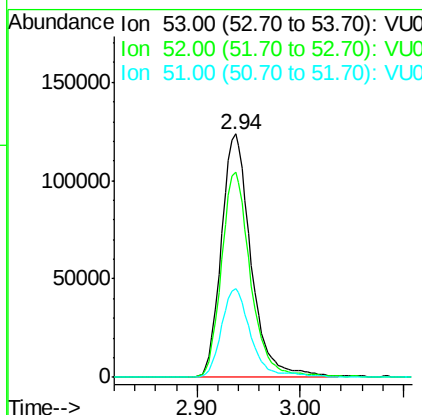
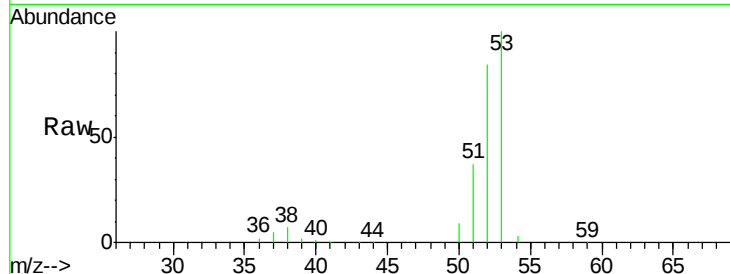
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248317
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	99.8
51	36.4	29.4	44.2

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#16

Acetone

Concen: 254.85 ug/l

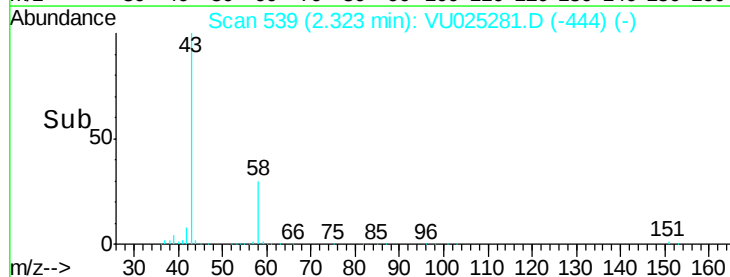
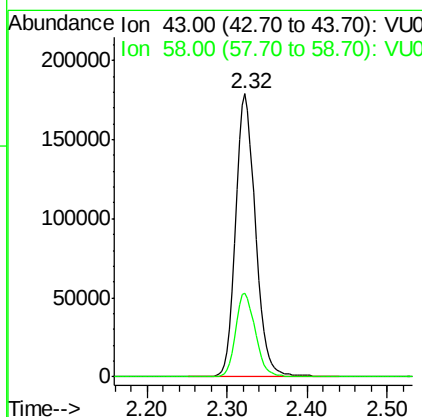
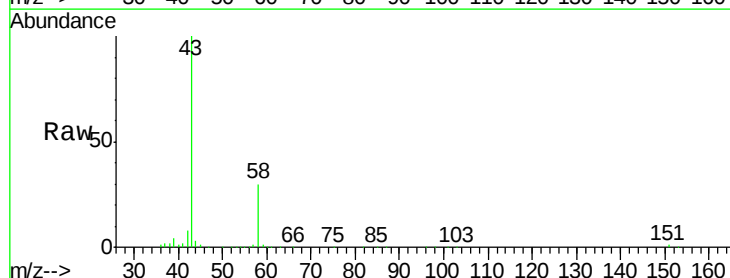
RT: 2.32 min Scan# 539

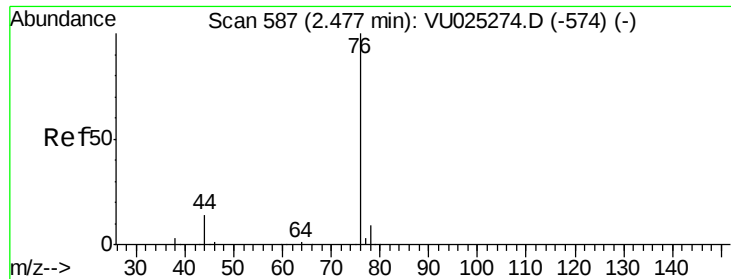
Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	43	Resp:	297279
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.1	34.7





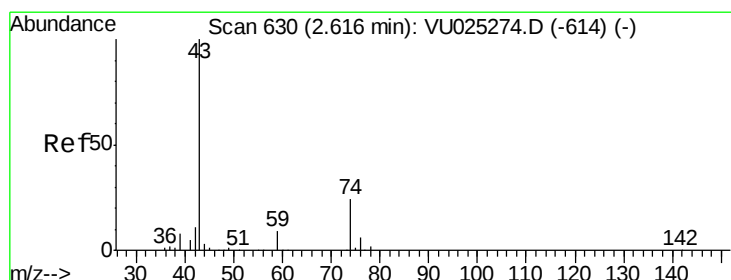
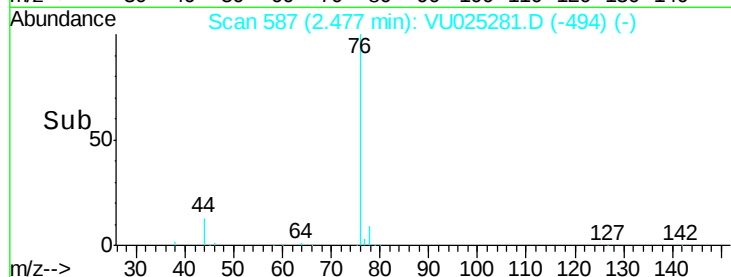
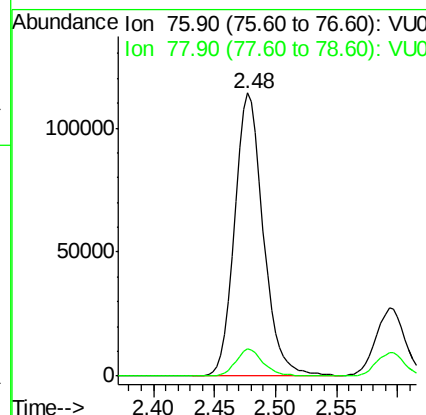
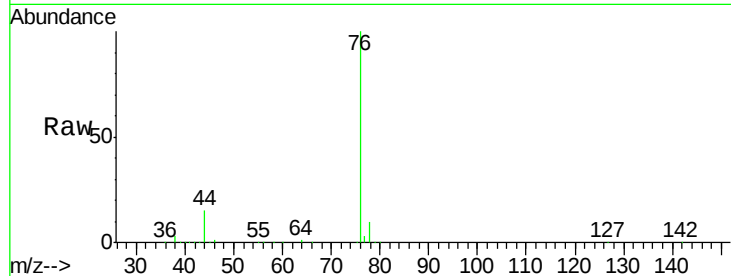
#17
Carbon Disulfide
Concen: 43.19 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.2

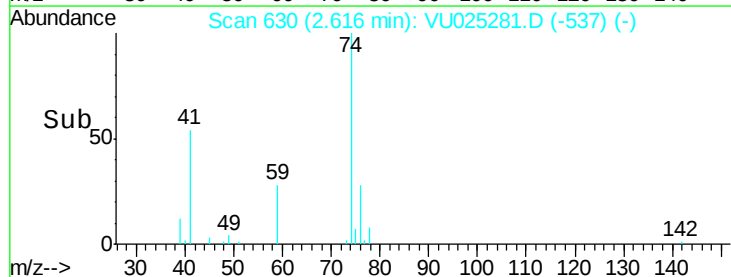
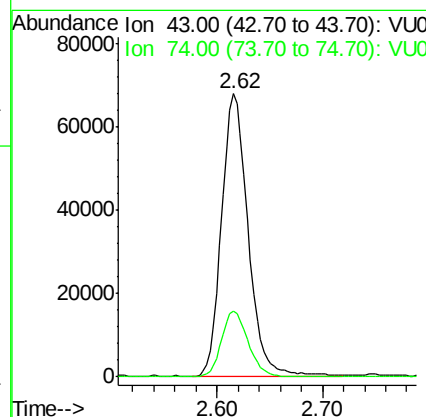
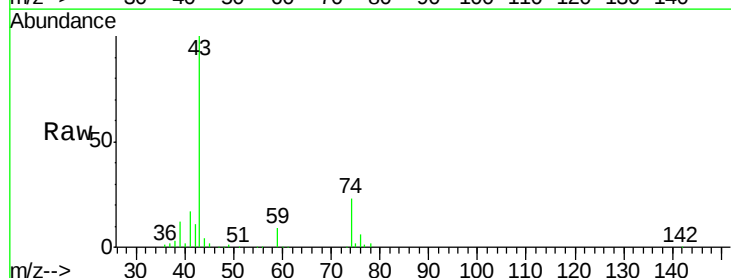
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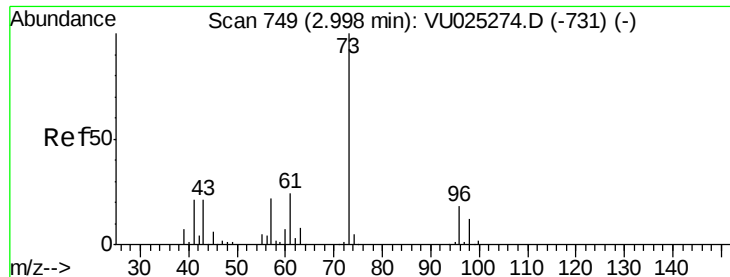
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#18
Methyl Acetate
Concen: 50.22 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.5	27.7





#19

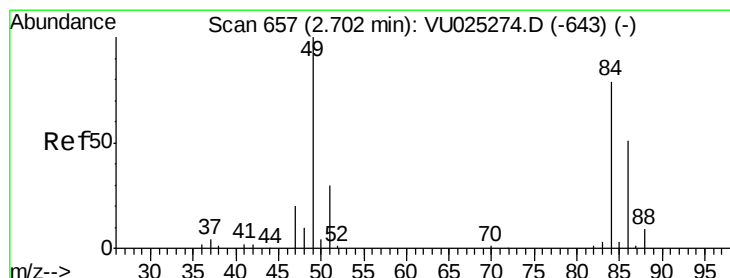
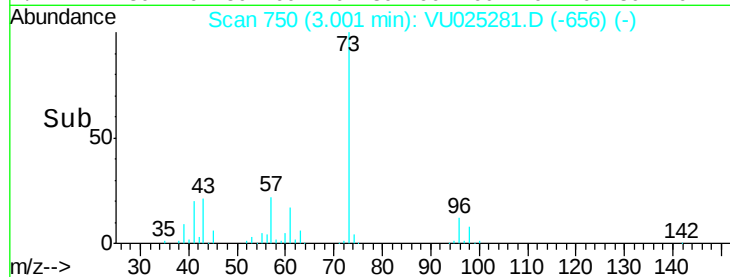
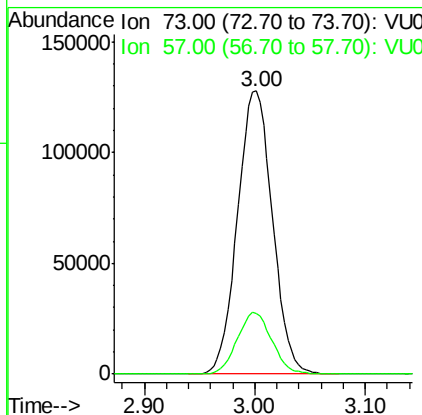
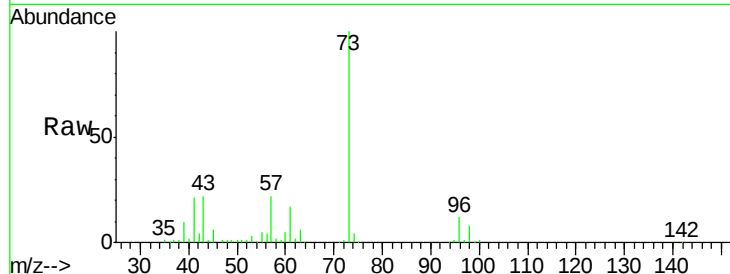
Methyl tert-butyl Ether
 Concen: 49.54 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

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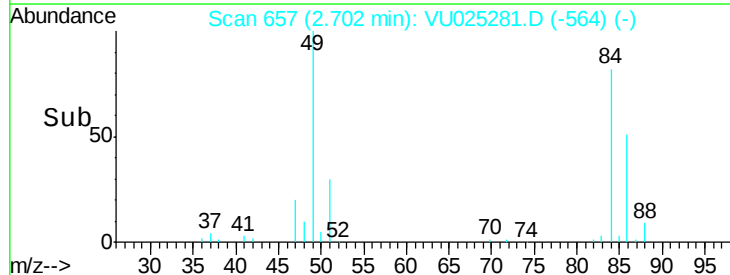
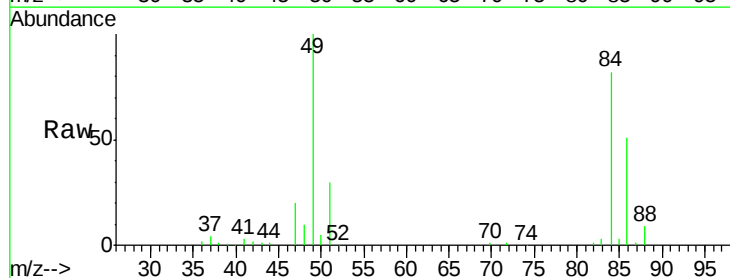
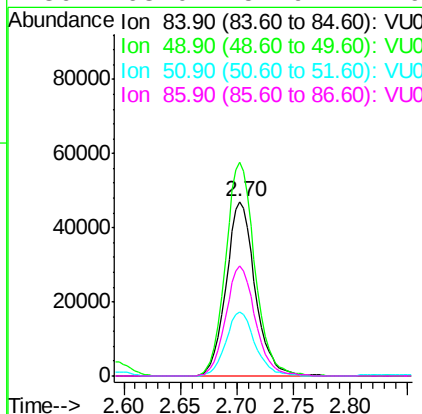
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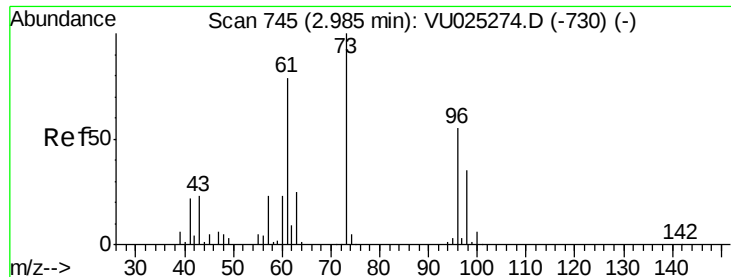


#20

Methylene Chloride
 Concen: 47.30 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	101.8	152.6
51	36.8	30.8	46.2
86	63.0	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 45.28 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 77146

Ion Ratio Lower Upper

96 100

61 140.8 114.5 171.7

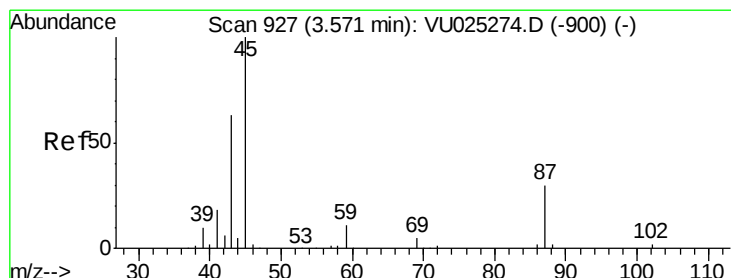
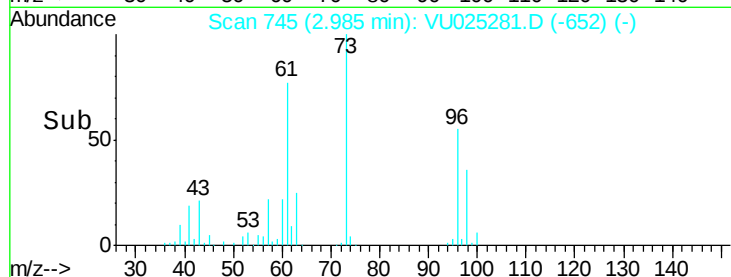
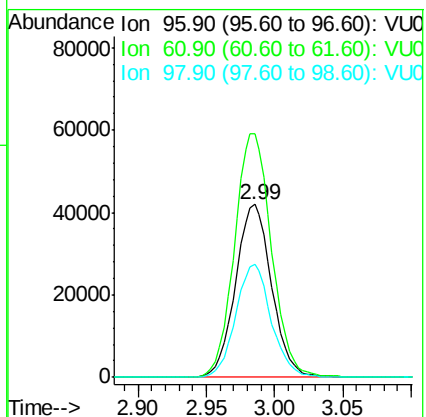
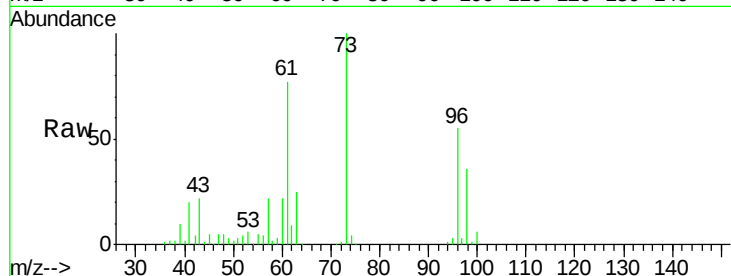
98 65.3 50.5 75.7

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#22

Diisopropyl ether

Concen: 48.39 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion: 45 Resp: 267203

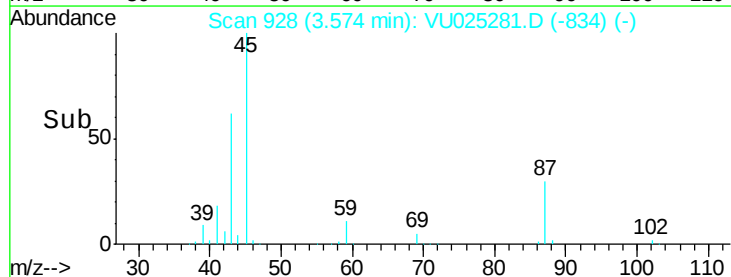
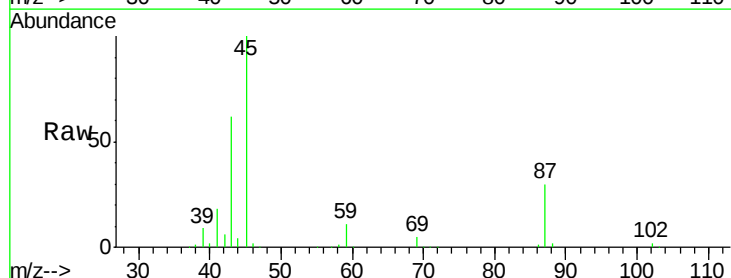
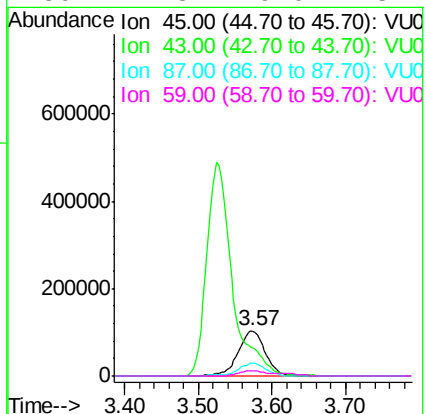
Ion Ratio Lower Upper

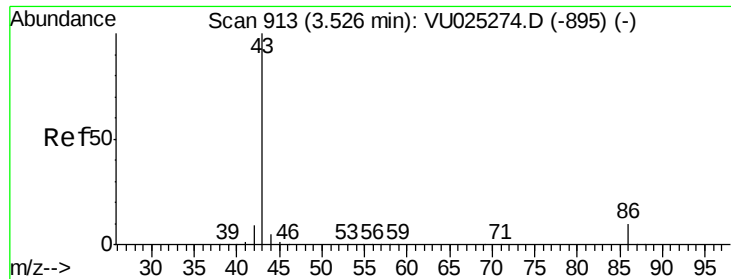
45 100

43 61.3 50.9 76.3

87 29.5 23.8 35.8

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 244.63 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tot Ion: 43 Resp: 1185001

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

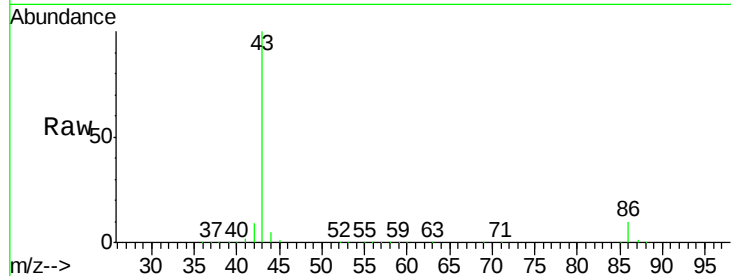
VSTDCCC050

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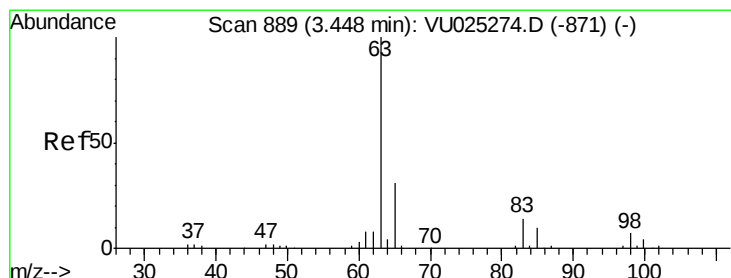
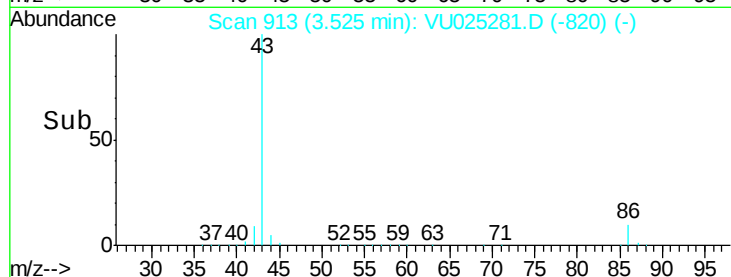
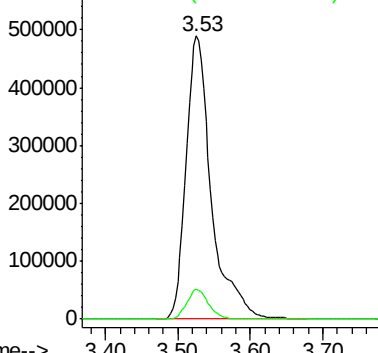
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.46 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

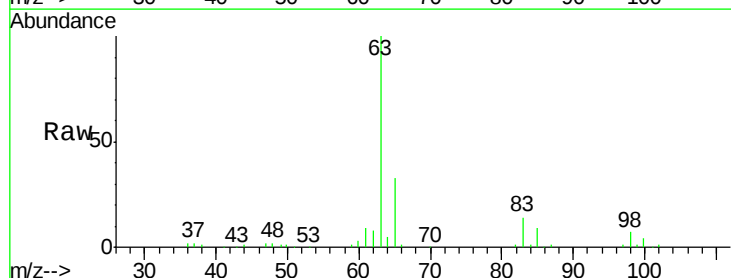
Tgt Ion: 63 Resp: 150915

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

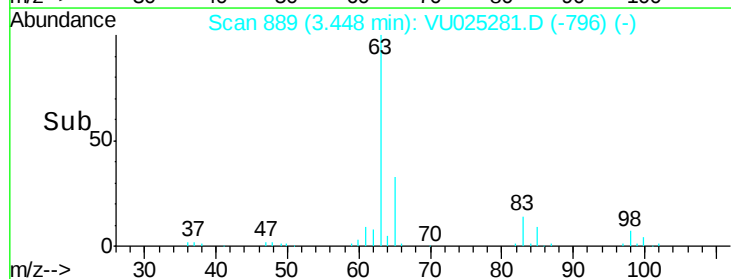
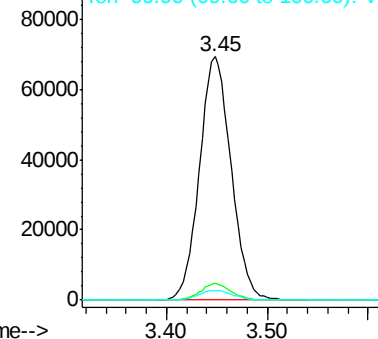
100 3.8 2.0 6.0

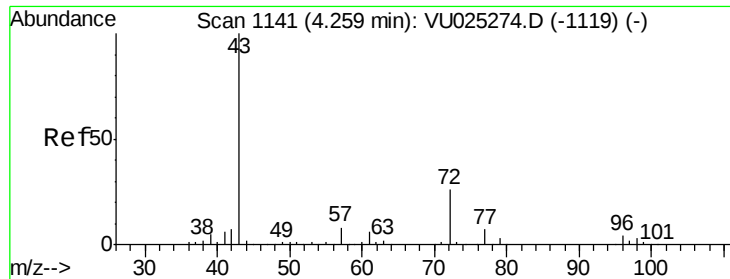


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 245.91 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 389485

Ion Ratio Lower Upper

43 100

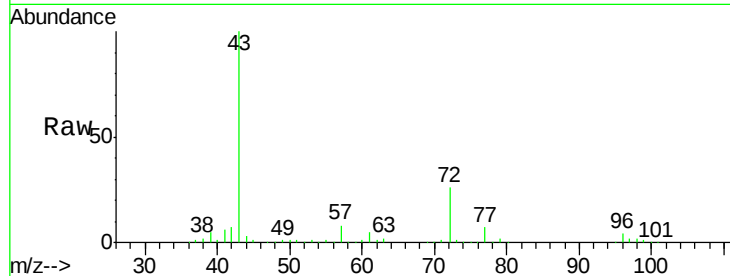
72 25.9 21.0 31.4

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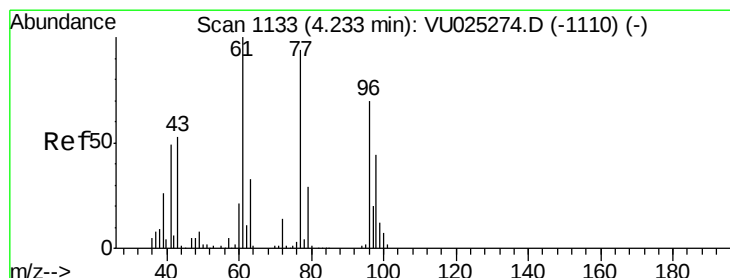
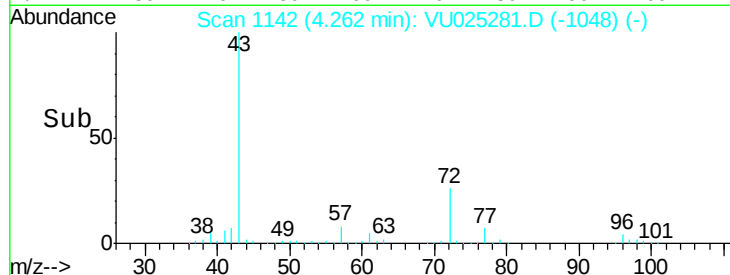
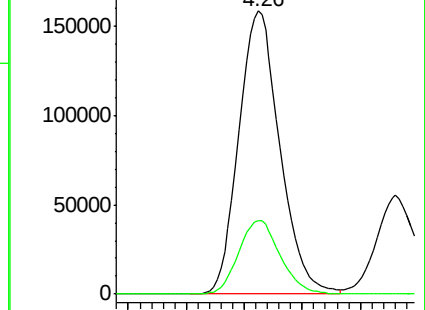
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 49.02 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025281.D

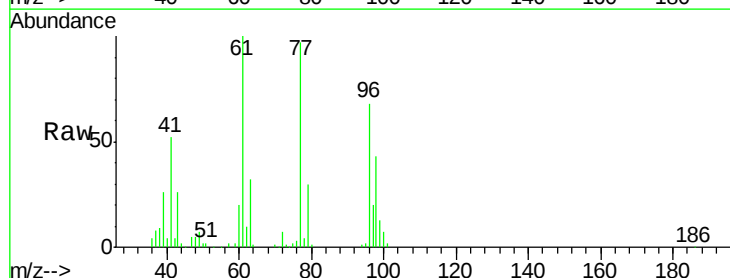
Acq: 10 Jul 2018 11:33

Tgt Ion: 77 Resp: 146773

Ion Ratio Lower Upper

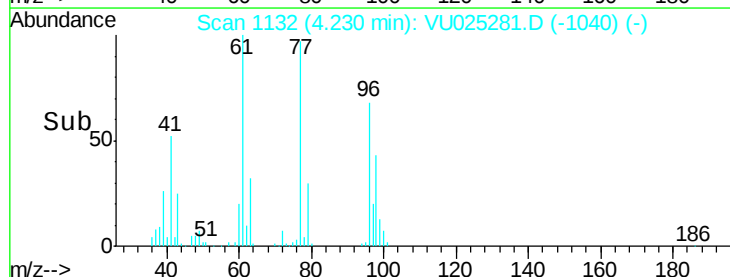
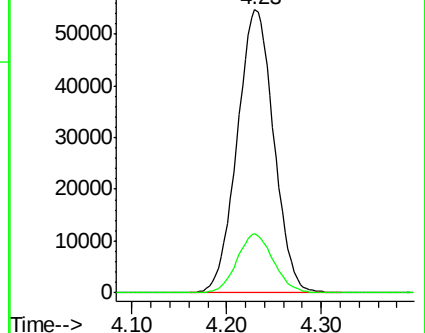
77 100

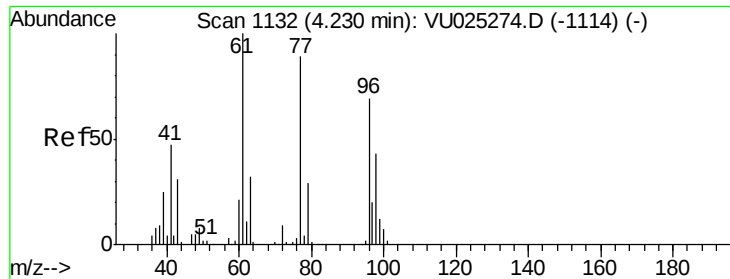
97 20.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 46.38 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

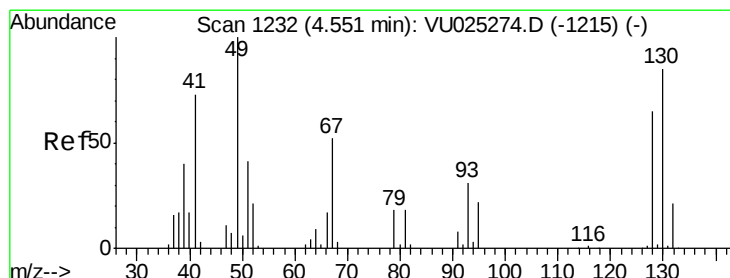
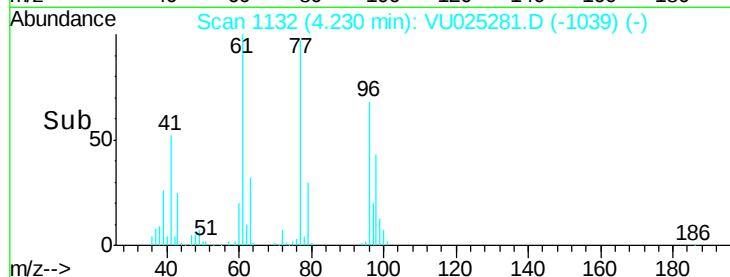
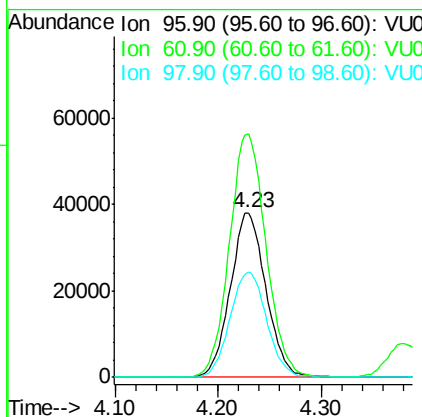
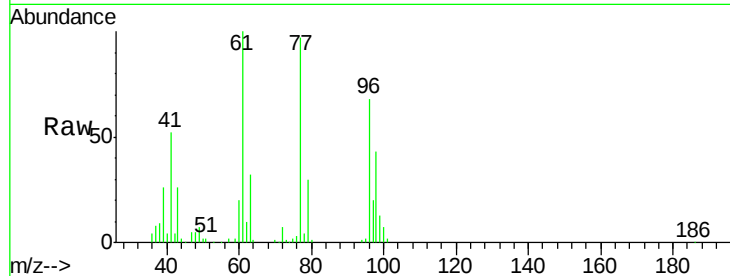
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91421
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	299.8
98	65.9	0.0	128.6

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#28

Bromochloromethane

Concen: 46.67 ug/l

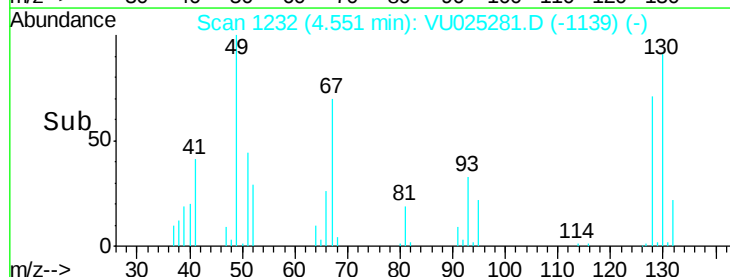
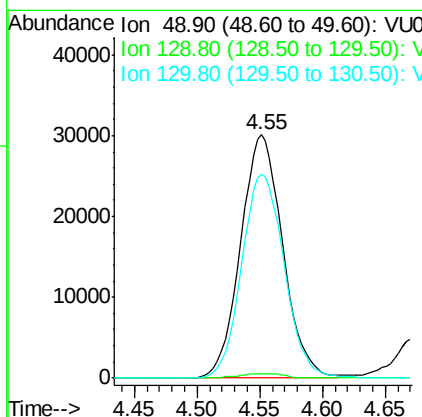
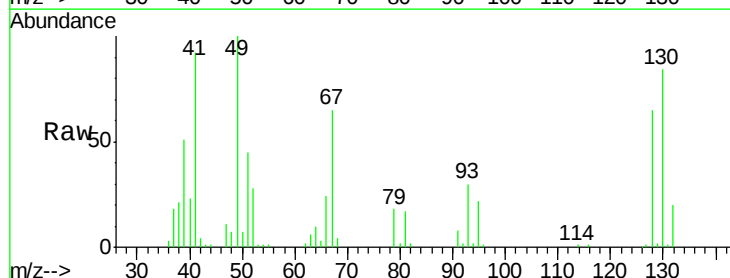
RT: 4.55 min Scan# 1232

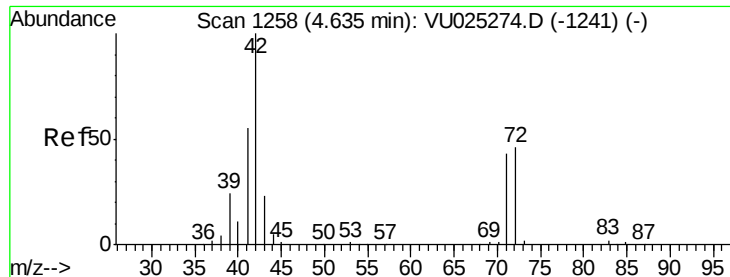
Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	49	Resp:	70180
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	84.9	68.6	102.8





#29

Tetrahydrofuran

Concen: 237.21 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

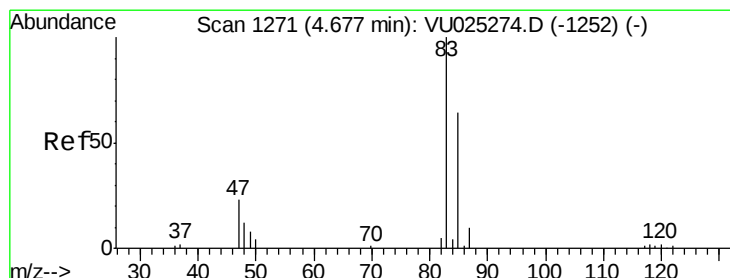
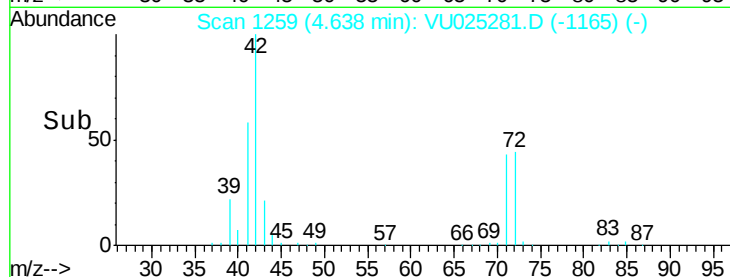
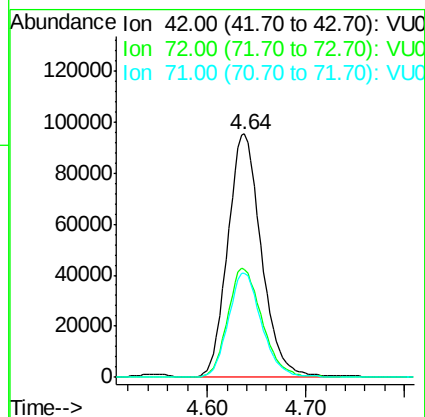
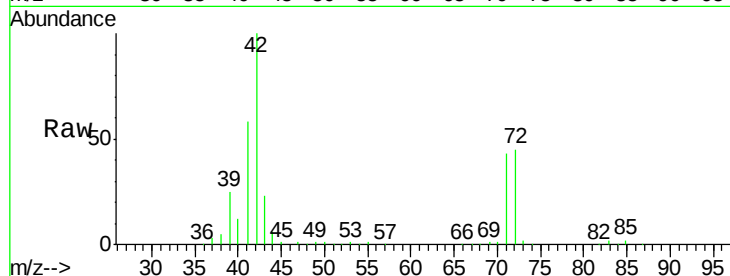
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	225354
Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.7	55.1
71	42.6	33.9	50.9

Manual Integrations
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#30

Chloroform

Concen: 49.21 ug/l

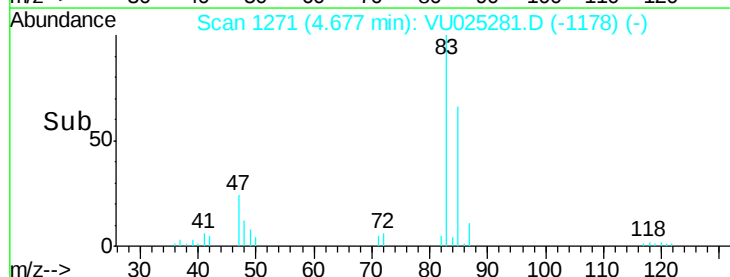
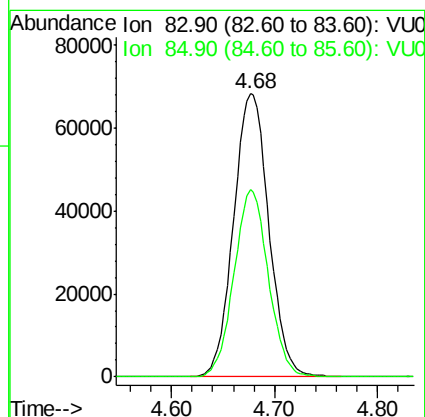
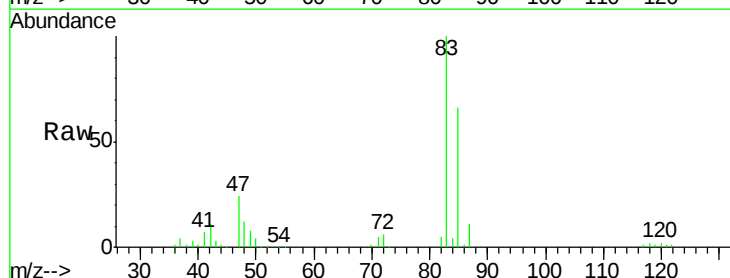
RT: 4.68 min Scan# 1271

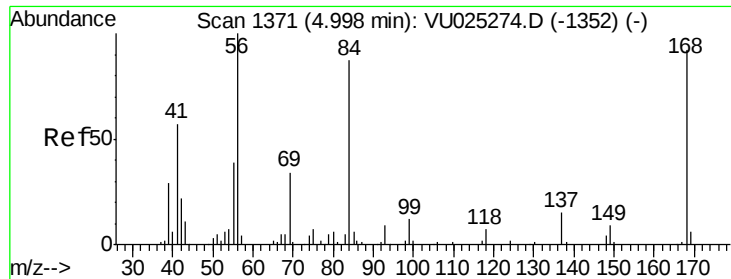
Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	83	Resp:	162303
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





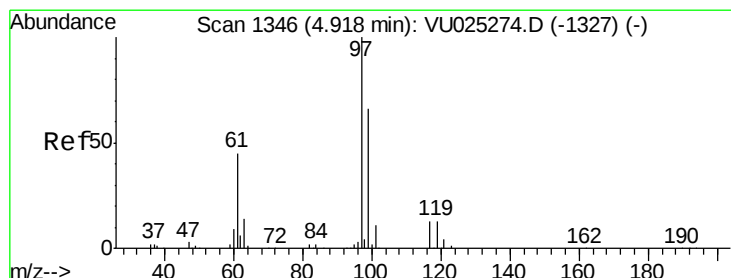
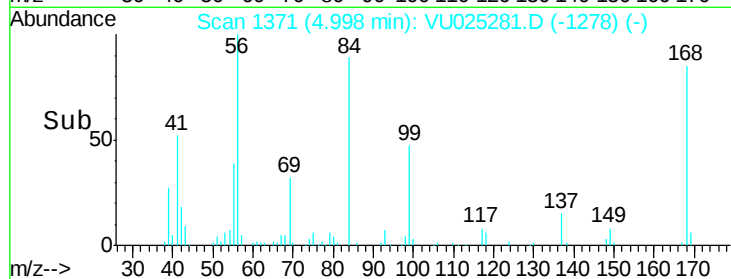
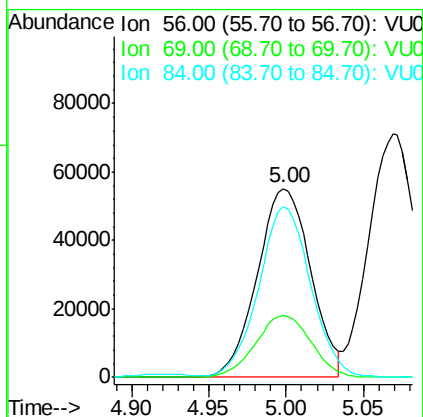
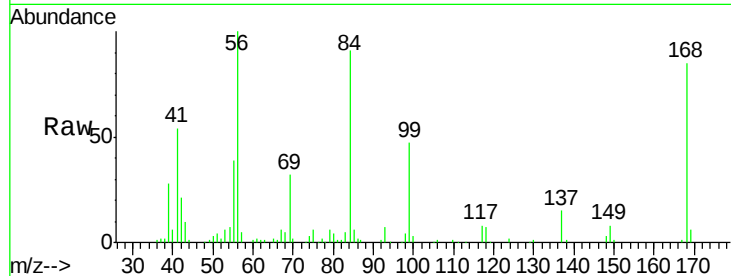
#31
Cyclohexane
Concen: 46.10 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.8	40.2
84	89.6	69.7	104.5

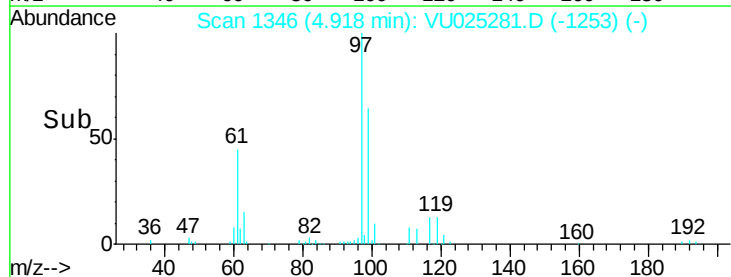
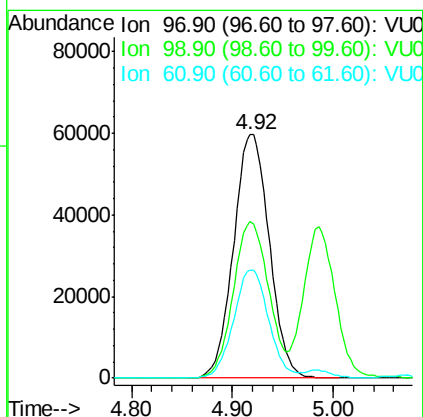
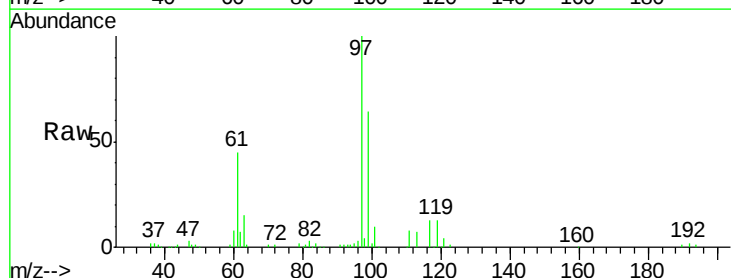
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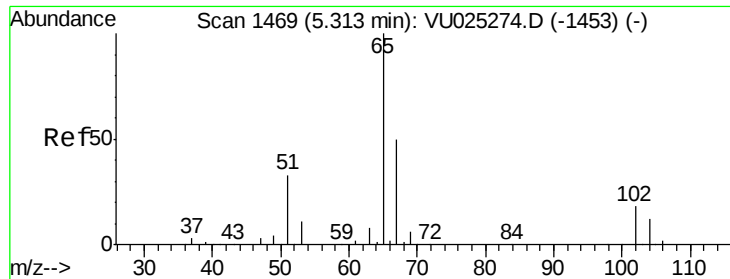
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#32
1,1,1-Trichloroethane
Concen: 49.03 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.4	35.2	52.8





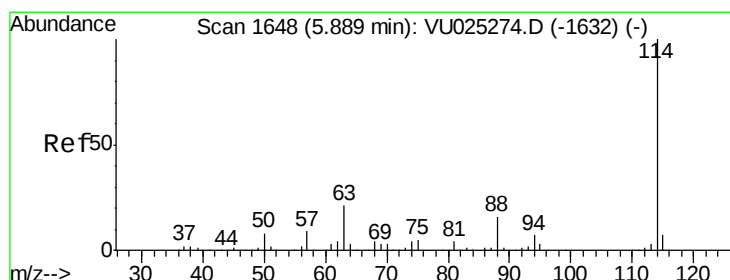
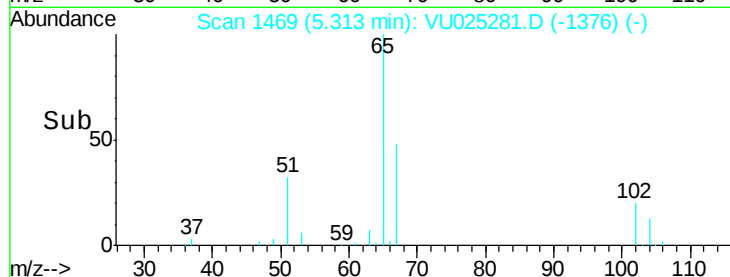
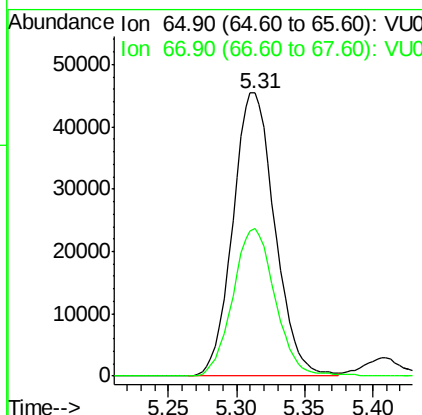
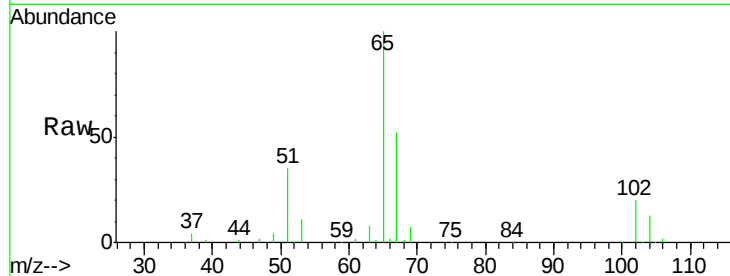
#33
 1,2-Dichloroethane-d4
 Concen: 42.46 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.6

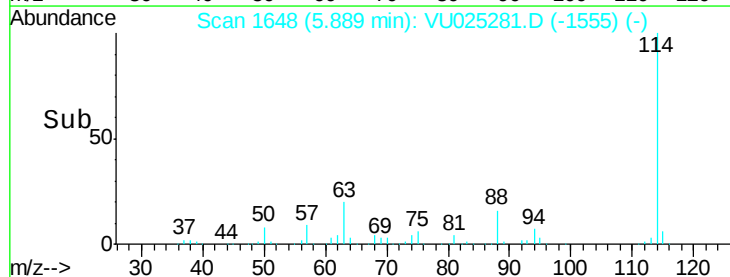
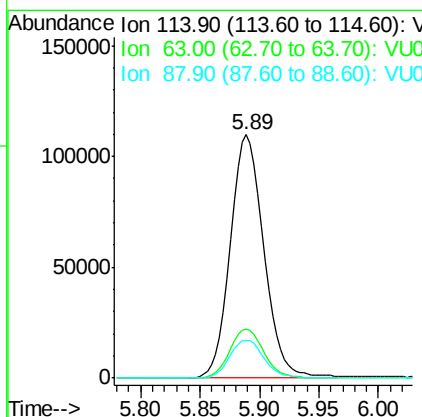
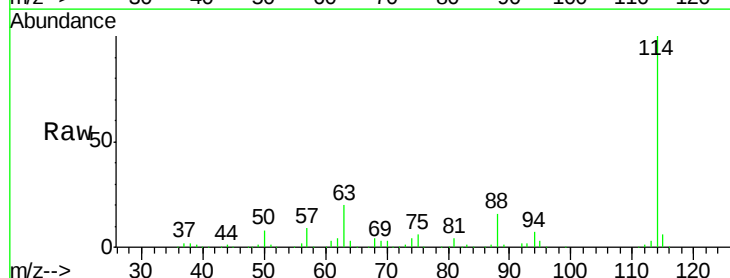
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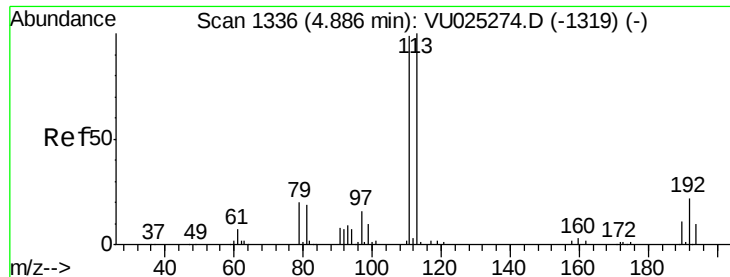
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.6
88	15.6	0.0	32.4





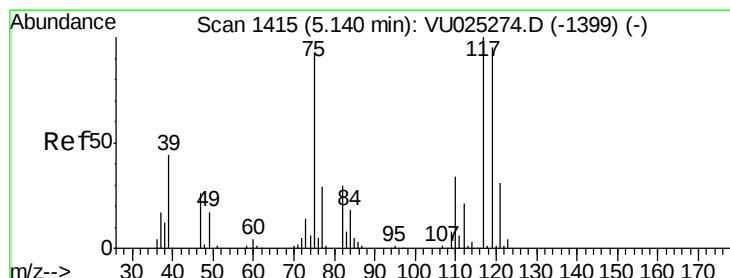
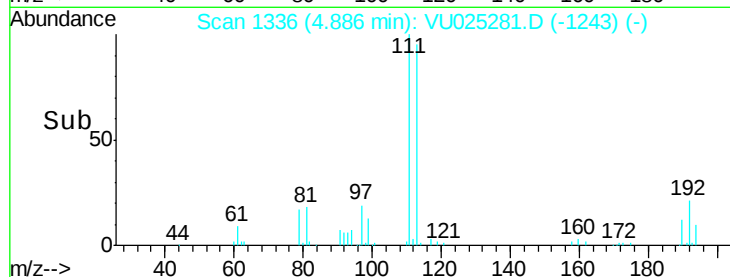
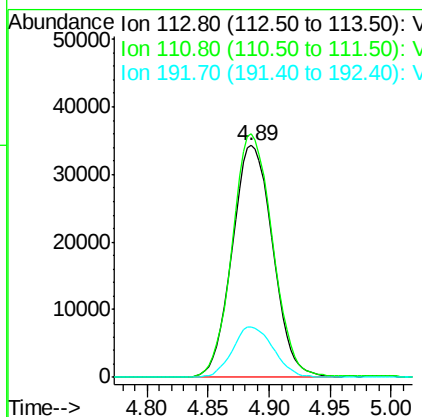
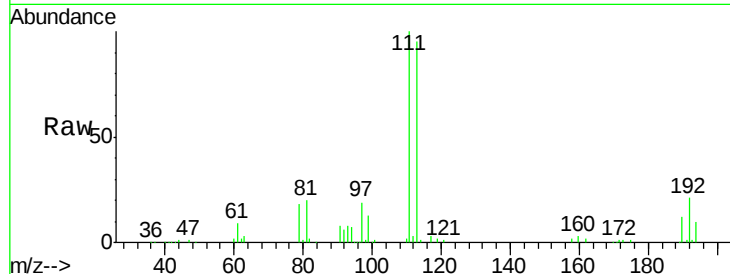
#35
 Dibromofluoromethane
 Concen: 43.73 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.7	122.5
192	21.9	17.1	25.7

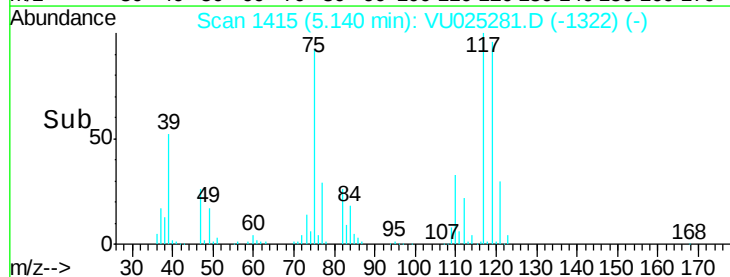
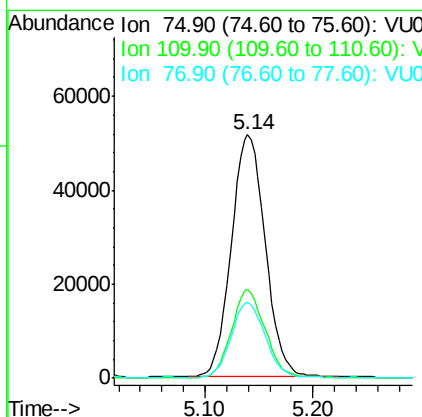
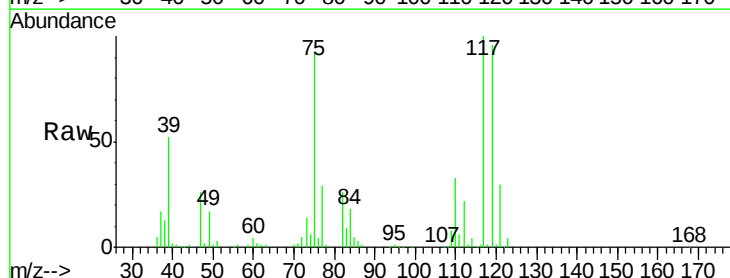
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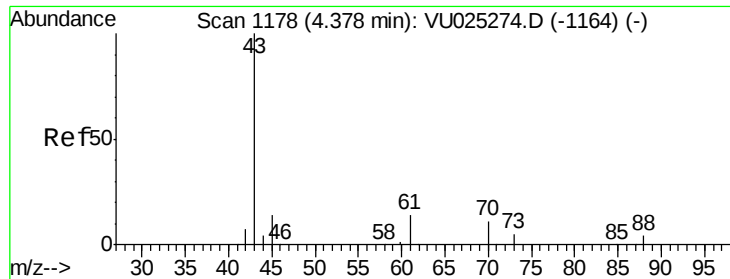
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#36
 1,1-Dichloropropene
 Concen: 47.08 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.6	52.9
77	31.4	24.4	36.6





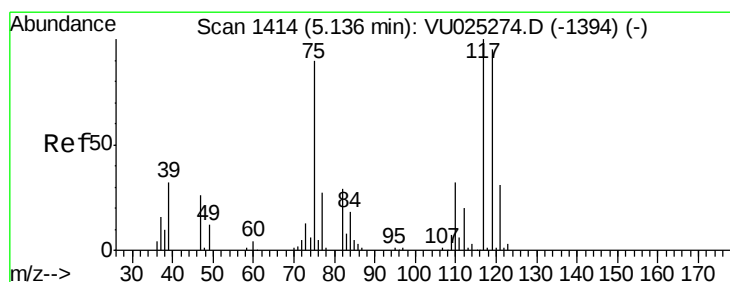
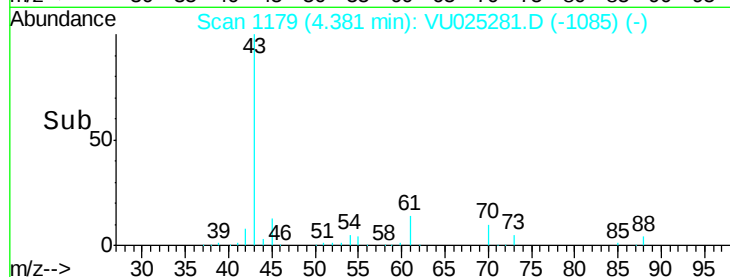
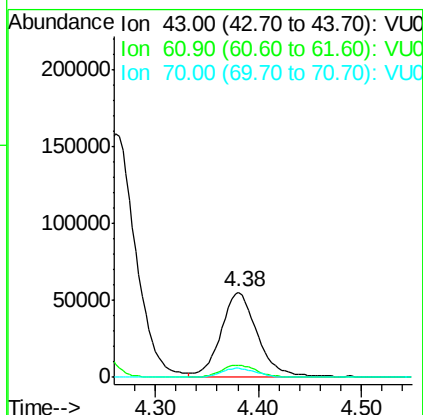
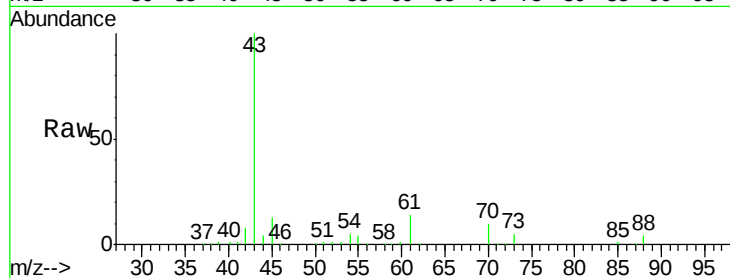
#37
Ethyl Acetate
Concen: 50.02 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.7	16.1
70	10.7	8.4	12.6

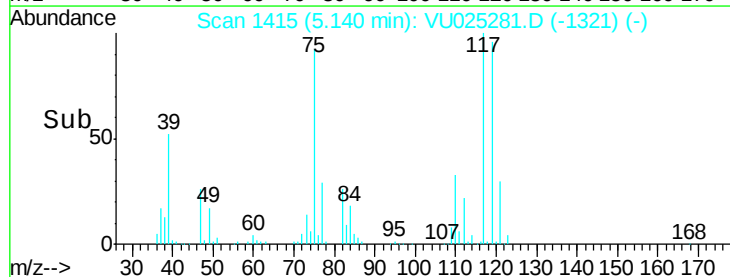
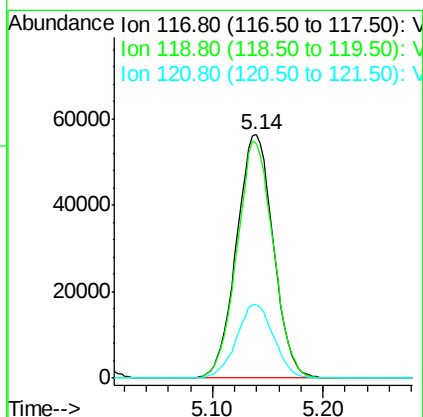
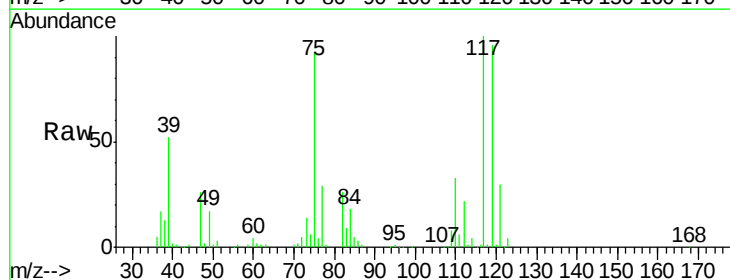
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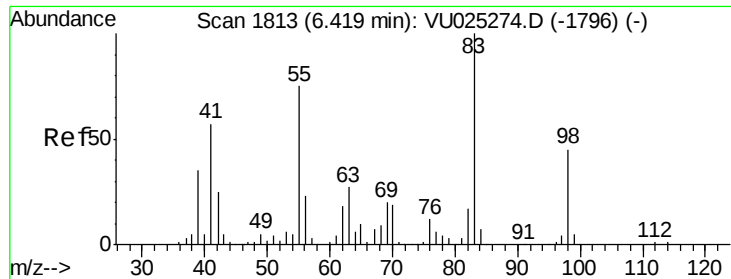
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#38
Carbon Tetrachloride
Concen: 50.59 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.7	113.5
121	30.0	24.6	36.8





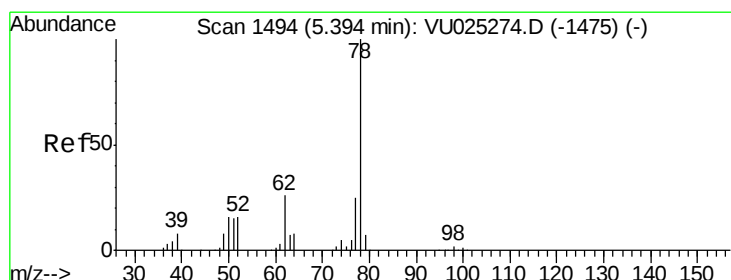
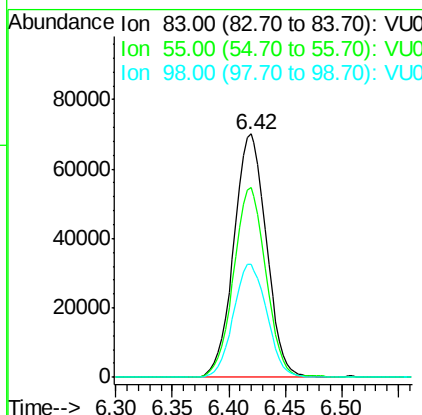
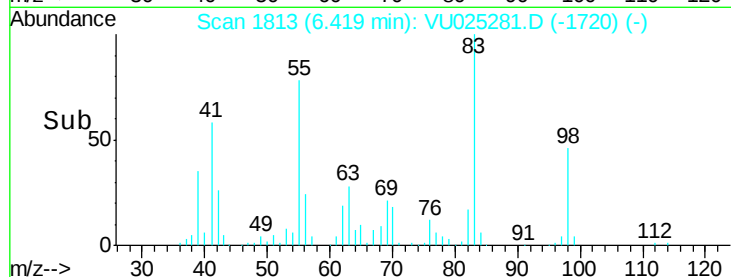
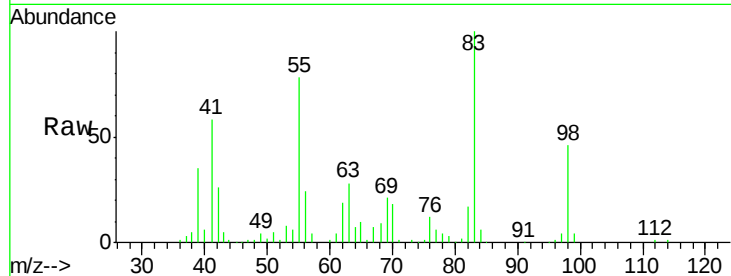
#39
Methvlcvclohexane
Concen: 47.20 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.8	60.0	90.0	
98	46.2	36.1	54.1	

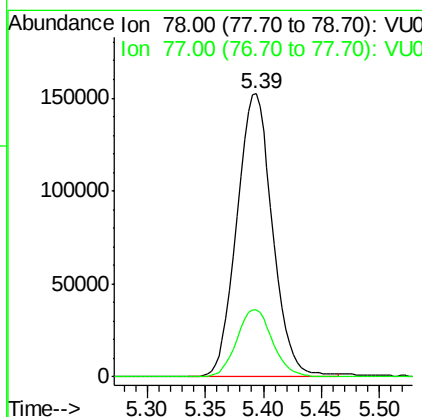
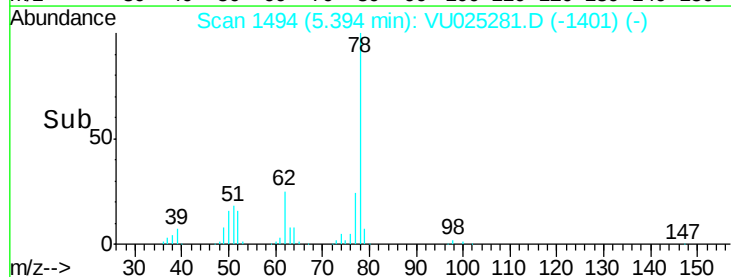
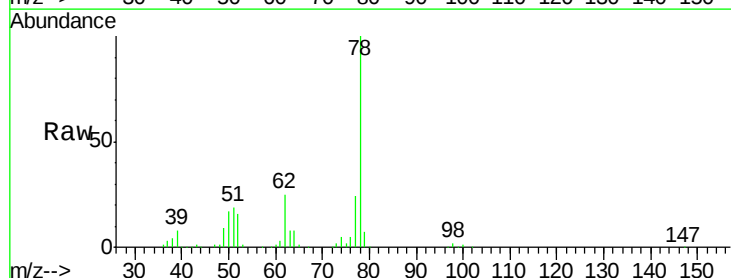
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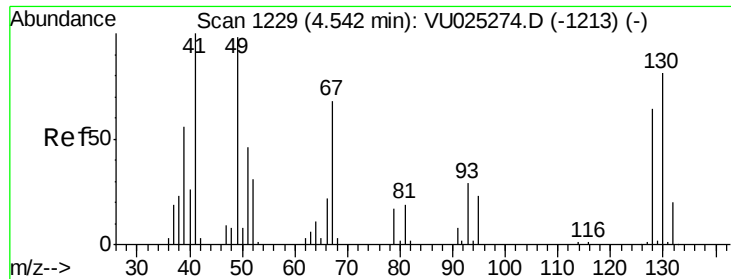
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#40
Benzene
Concen: 47.28 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.8	29.6	





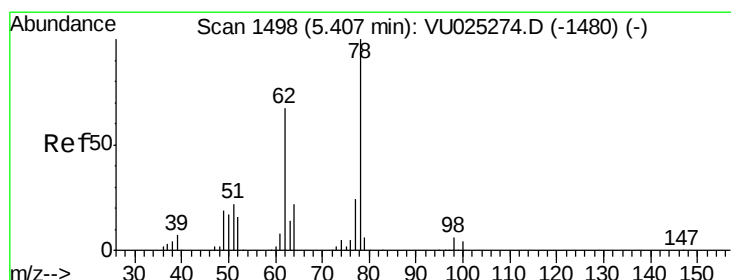
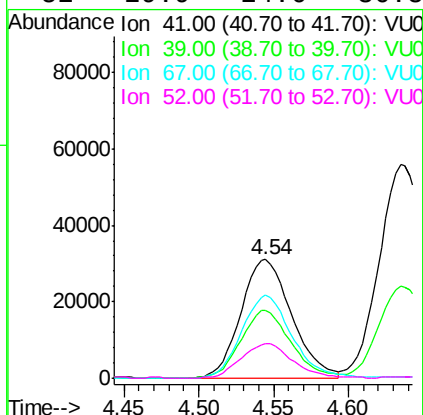
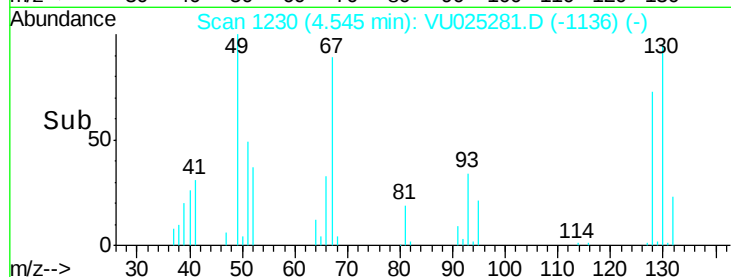
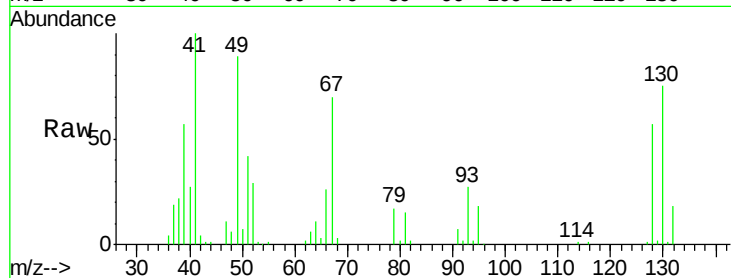
#41
Methacrylonitrile
Concen: 49.80 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	44.4	66.6	
67	69.4	56.0	84.0	
52	29.9	24.6	36.8	

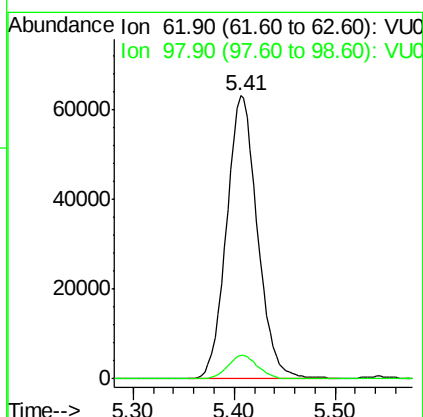
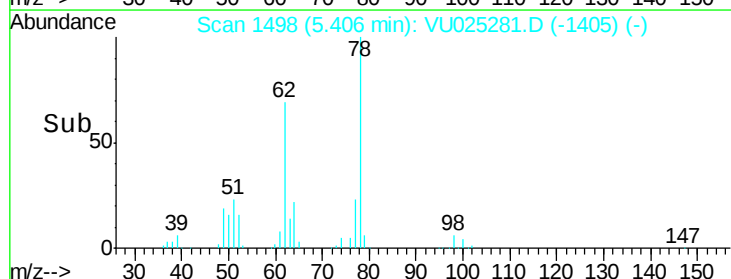
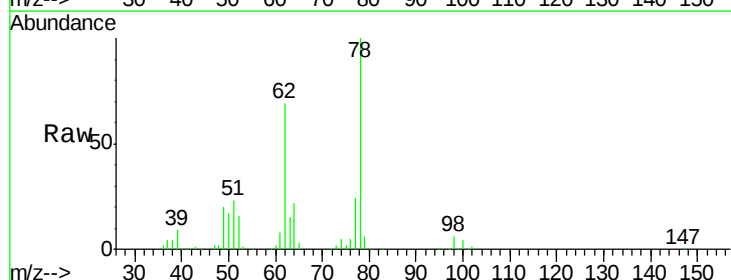
Manual Integrations
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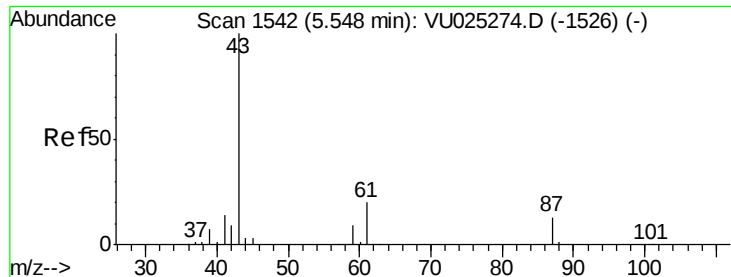
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#42
1,2-Dichloroethane
Concen: 49.07 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.4	





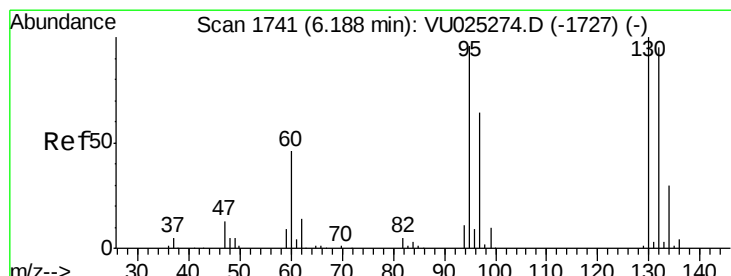
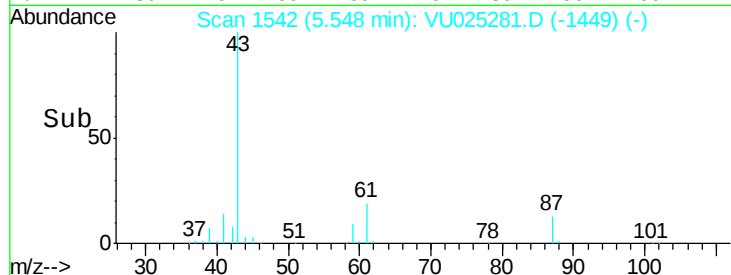
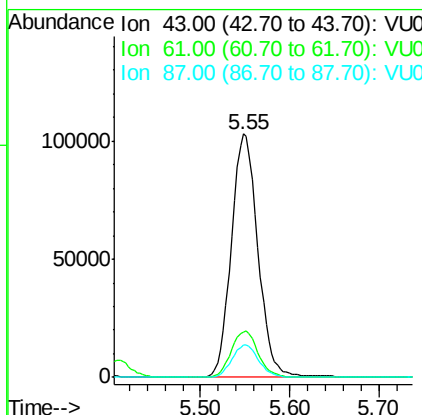
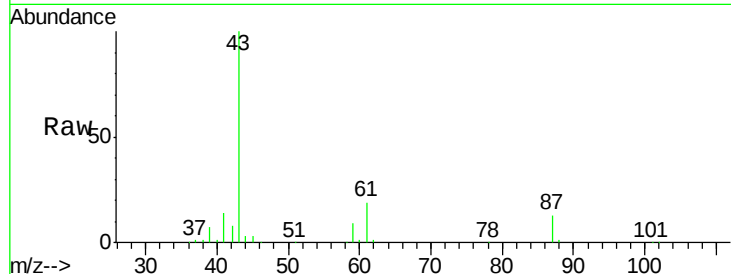
#43
Isopropyl Acetate
Concen: 49.64 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	13.4	10.6	16.0

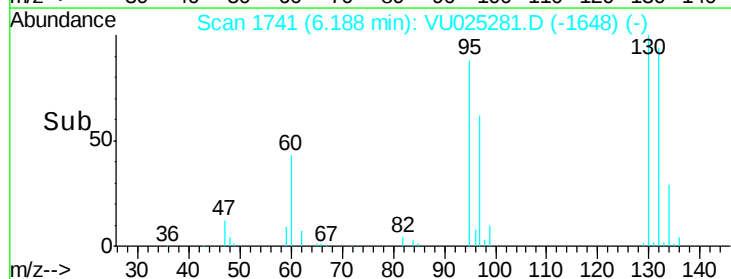
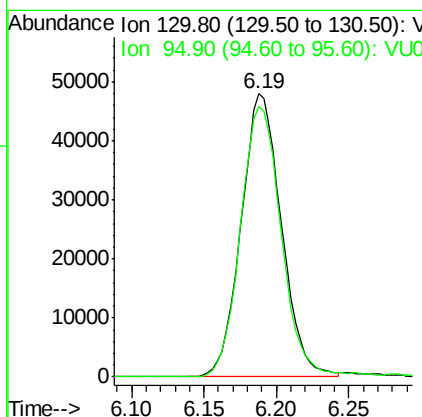
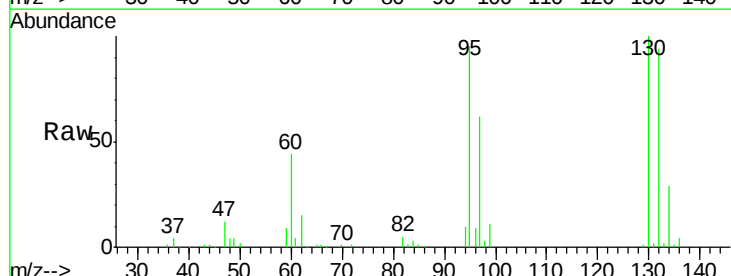
Manual Integrations
APPROVED

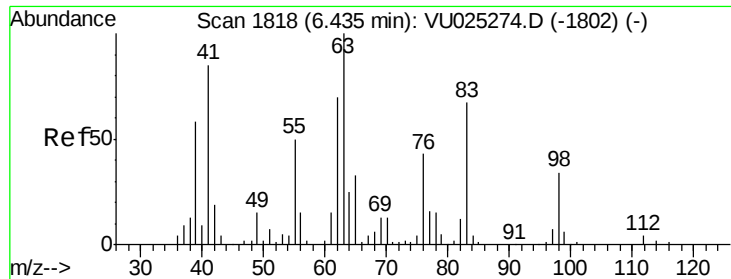
apatel
7/12/2018 11:19:18 AM



#44
Trichloroethene
Concen: 46.79 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	192.2





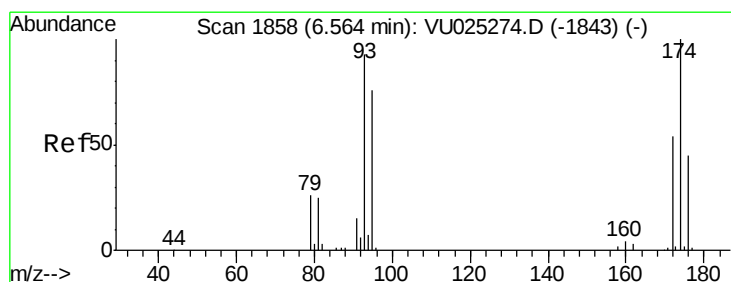
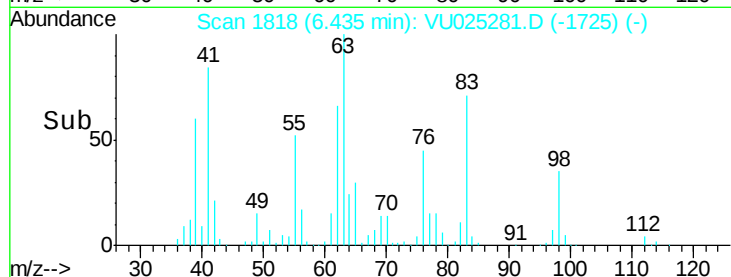
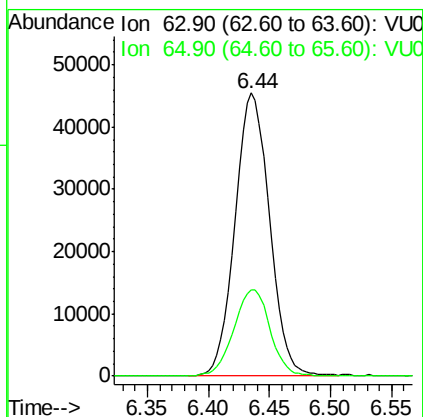
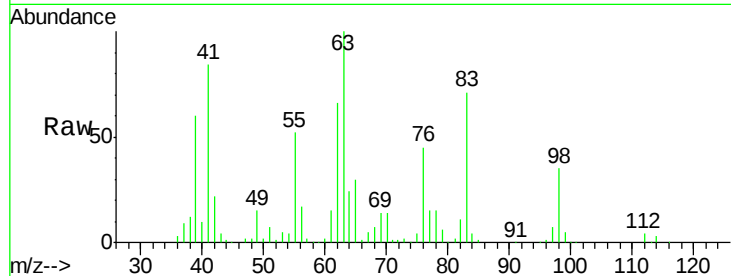
#45
1,2-Dichloropropane
Concen: 49.36 ug/l
RT: 6.44 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 89090
Ion Ratio Lower Upper
63 100
65 30.4 26.1 39.1

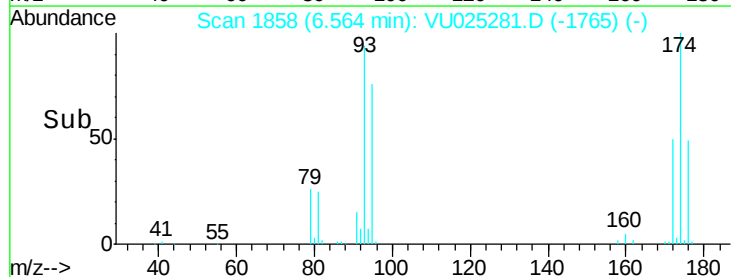
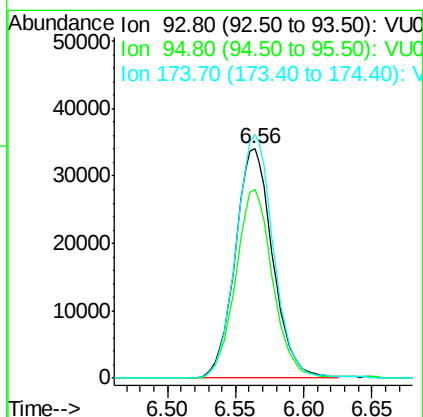
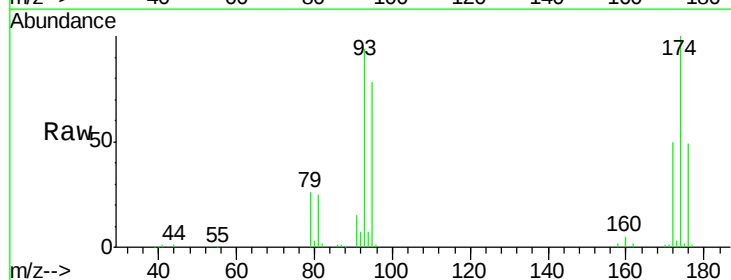
Manual Integrations
APPROVED

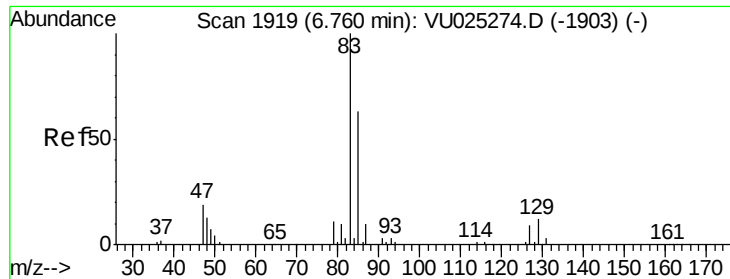
apatel
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#46
Dibromomethane
Concen: 49.56 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion: 93 Resp: 65095
Ion Ratio Lower Upper
93 100
95 81.2 66.6 100.0
174 105.0 85.8 128.8





#47

Bromodichloromethane

Concen: 51.24 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

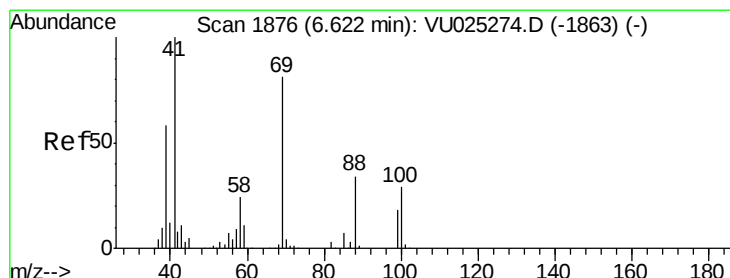
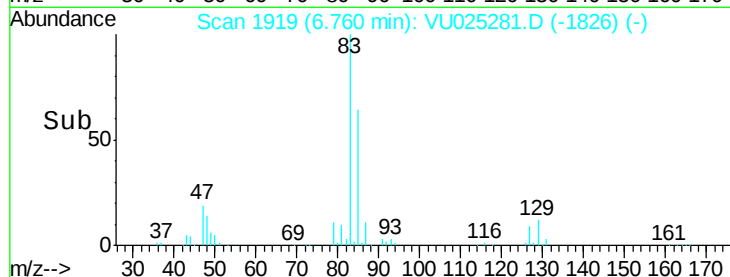
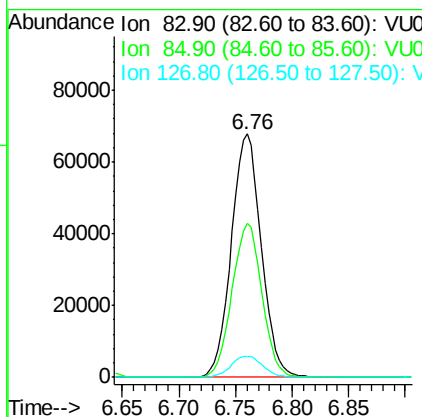
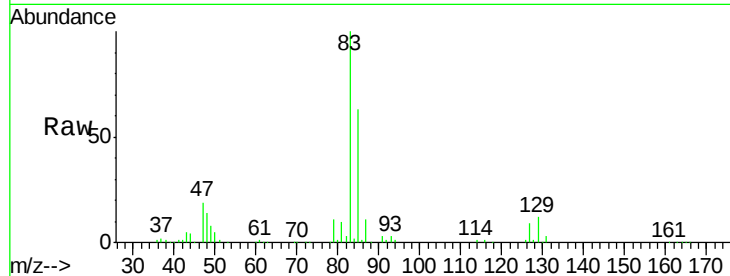
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	125040
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.4
127	8.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.96 ug/l

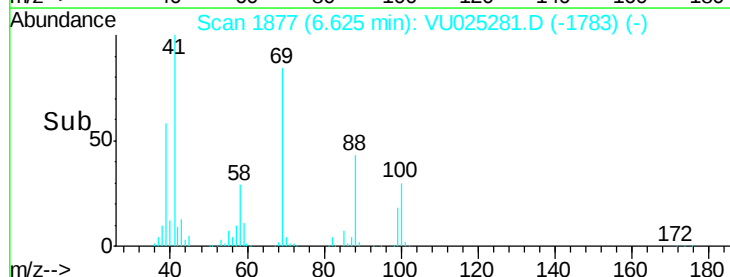
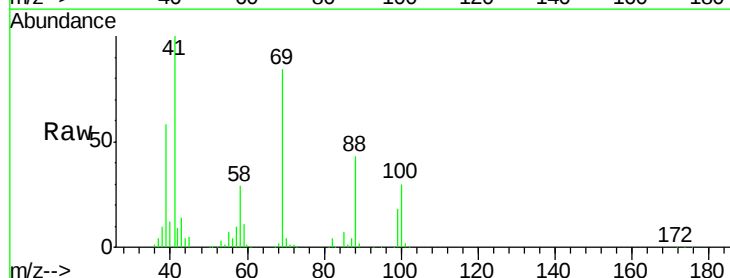
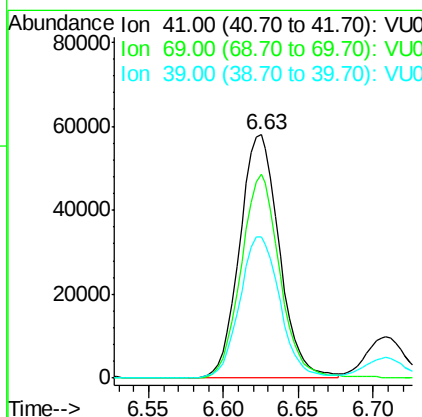
RT: 6.63 min Scan# 1877

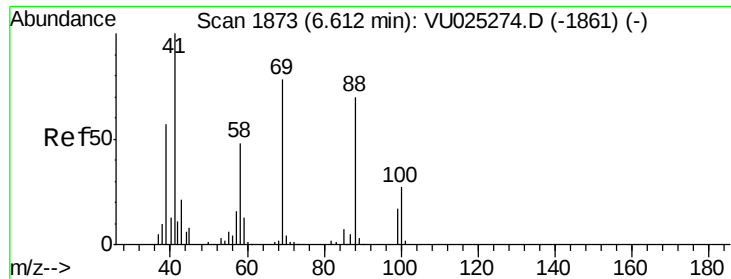
Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	41	Resp:	106369
Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.0	97.4
39	58.6	46.4	69.6





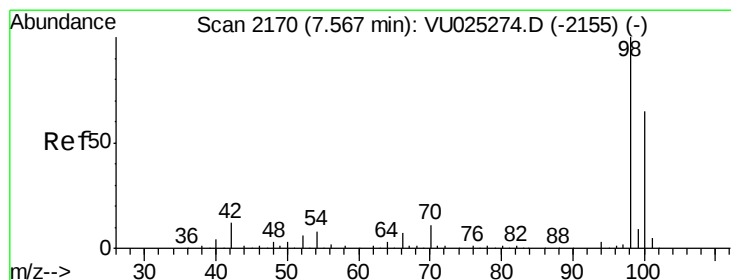
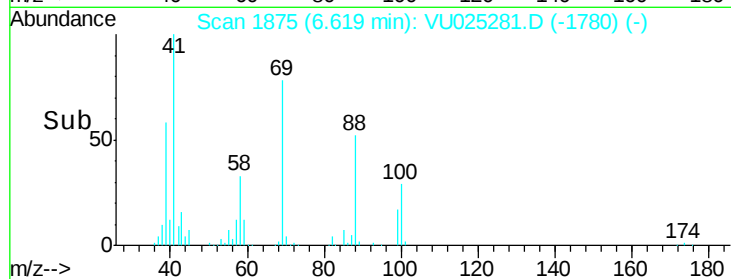
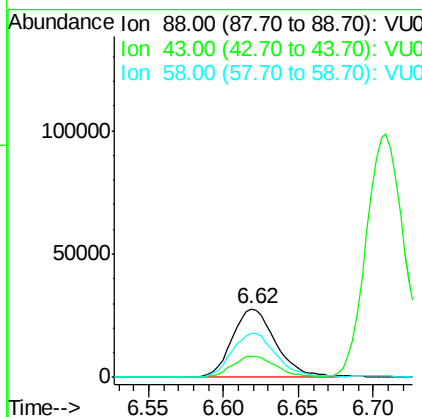
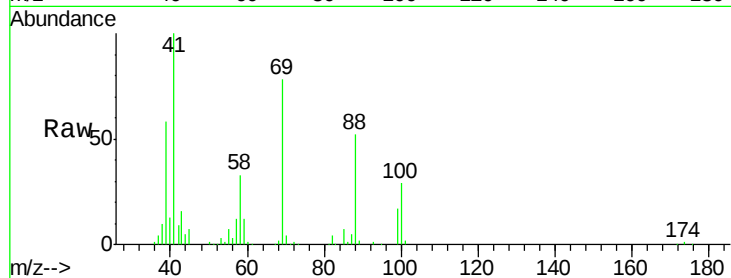
#49
1,4-Dioxane
Concen: 1086.08 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.3	40.9
58	66.9	57.6	86.4

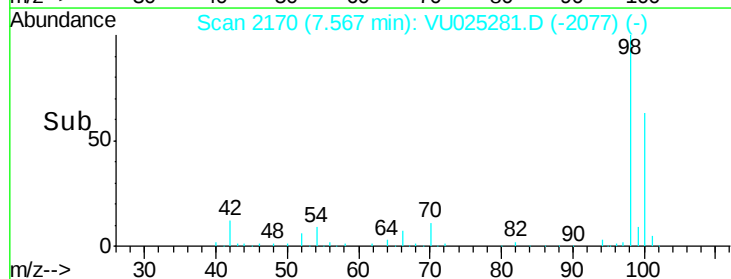
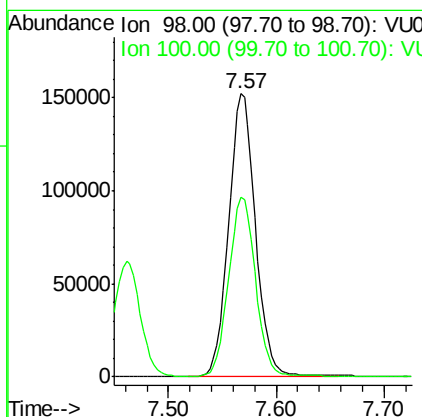
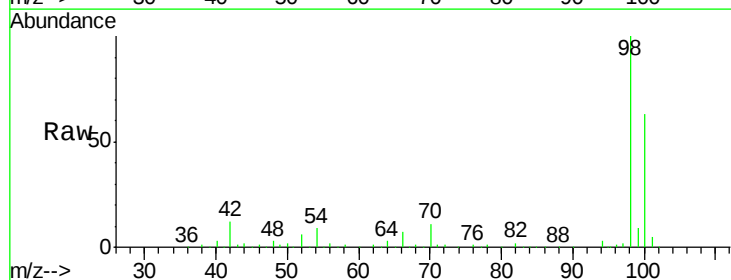
Manual Integrations
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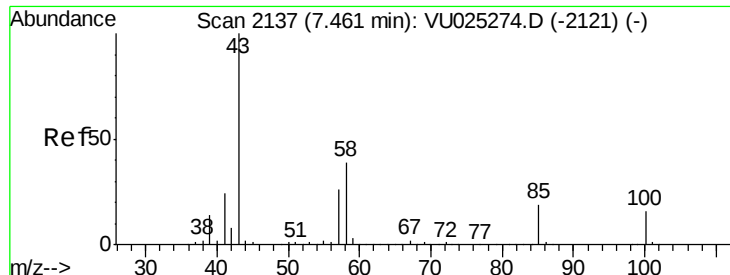
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#50
Toluene-d8
Concen: 42.56 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 245.45 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 681296

Ion Ratio Lower Upper

43 100

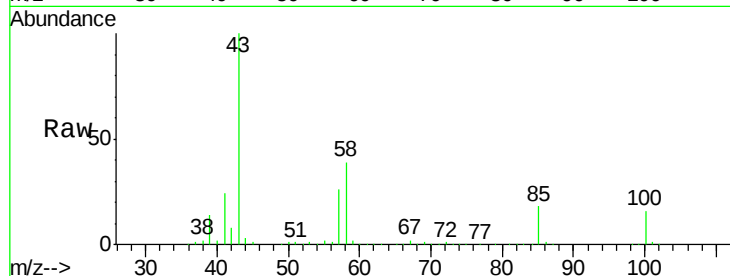
58 38.8 31.0 46.4

Manual Integrations

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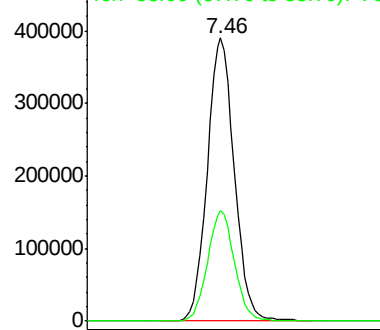
apatel

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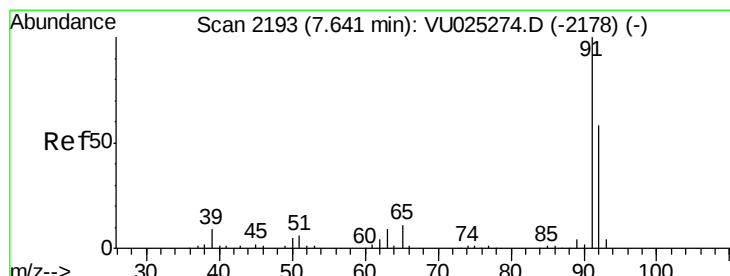
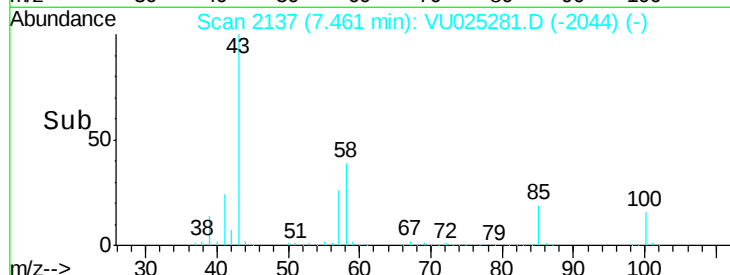


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#52

Toluene

Concen: 48.84 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025281.D

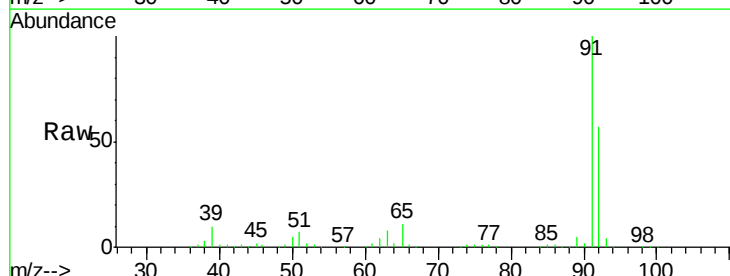
Acq: 10 Jul 2018 11:33

Tgt Ion: 92 Resp: 214146

Ion Ratio Lower Upper

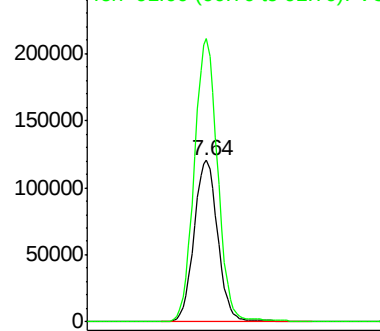
92 100

91 172.9 139.2 208.8

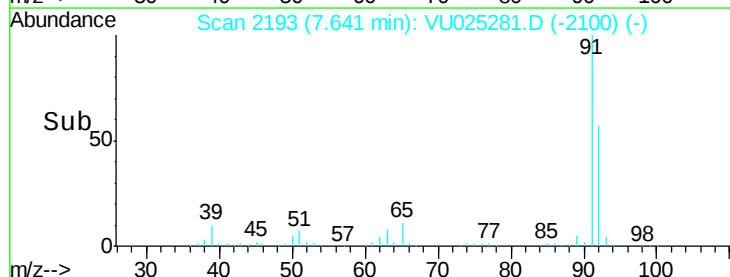


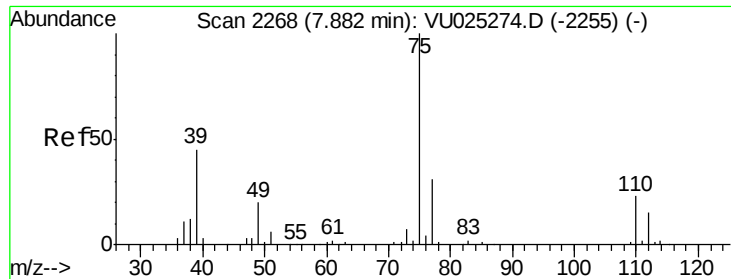
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->





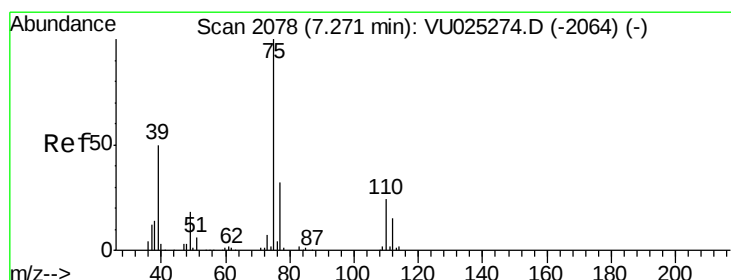
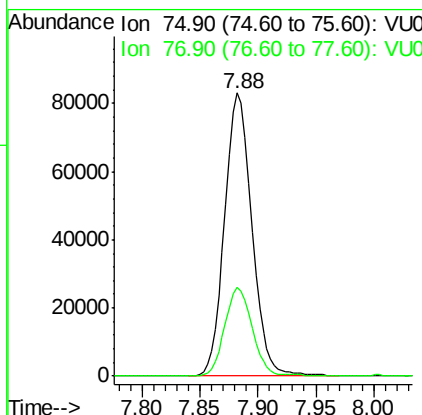
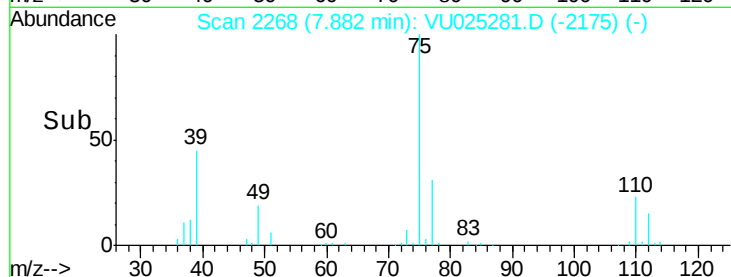
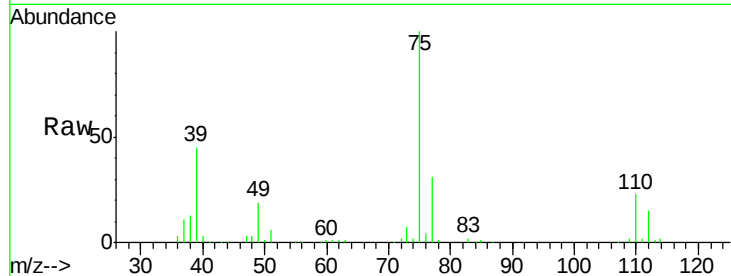
#53
 t-1,3-Dichloropropene
 Concen: 50.52 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 135444
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.5 36.7

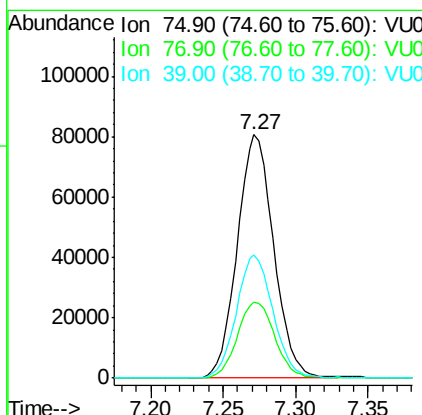
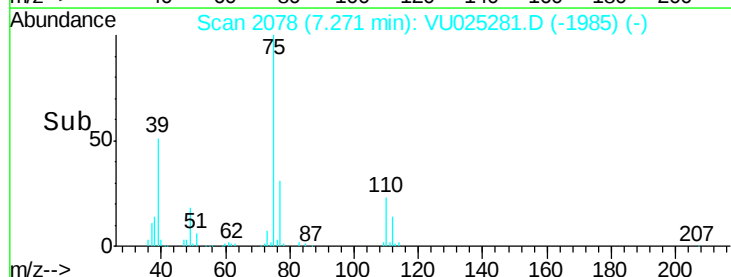
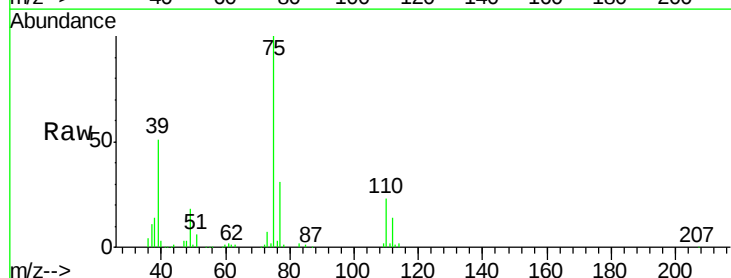
Manual Integrations
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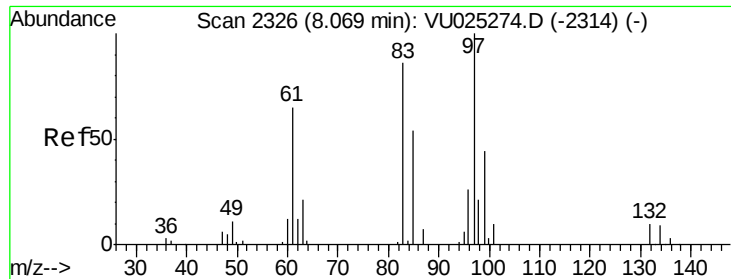
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 49.41 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion: 75 Resp: 140995
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 50.6 40.0 60.0





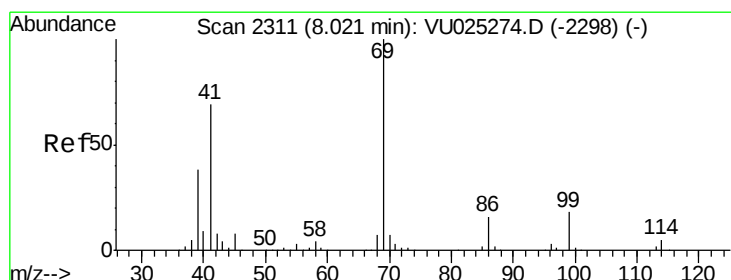
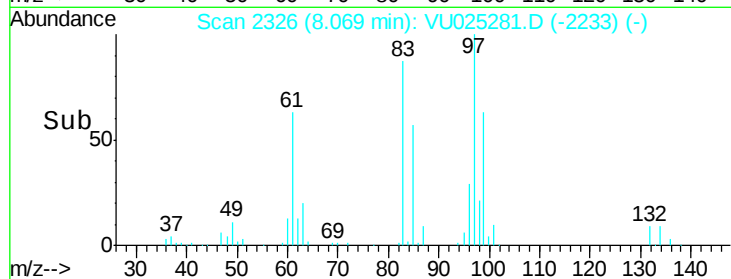
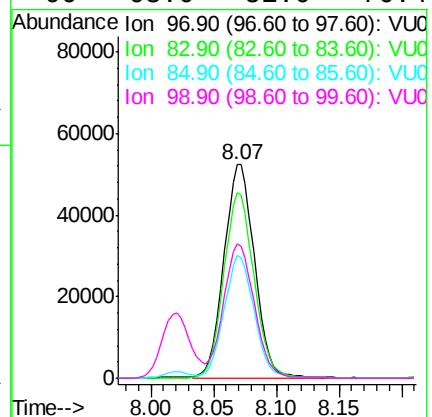
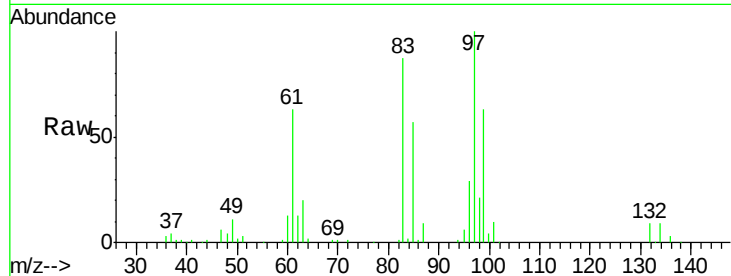
#55
 1,1,2-Trichloroethane
 Concen: 48.29 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	88183
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.9	103.3
85	57.3	44.4	66.6
99	63.0	51.0	76.4

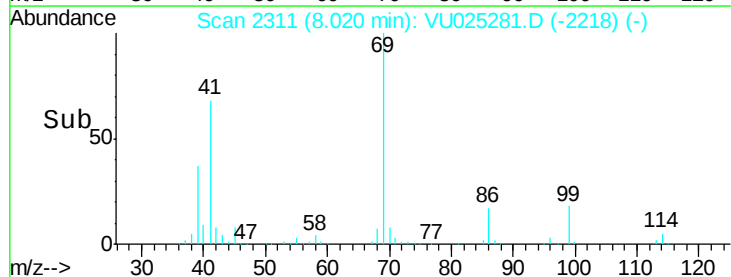
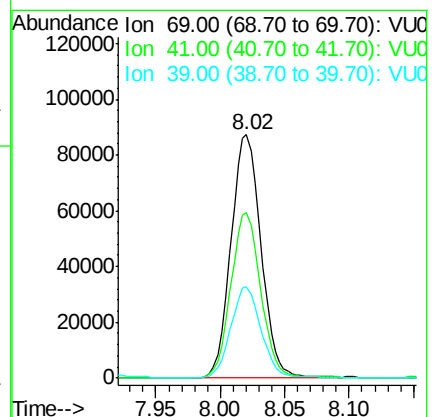
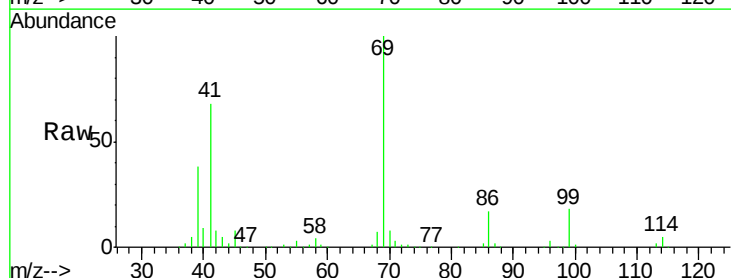
Manual Integrations
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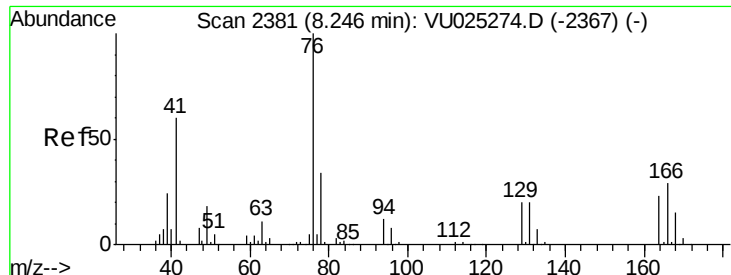
apatel
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#56
 Ethyl methacrylate
 Concen: 49.70 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion:	69	Resp:	141749
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.8	82.2
39	37.2	31.1	46.7





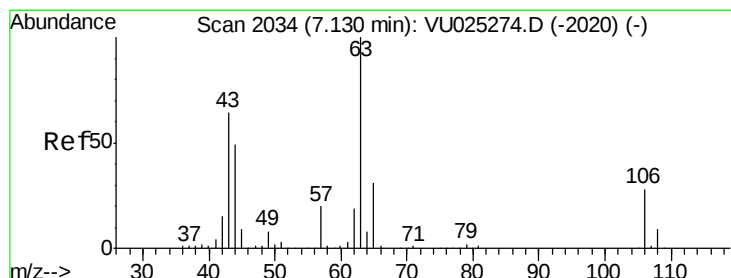
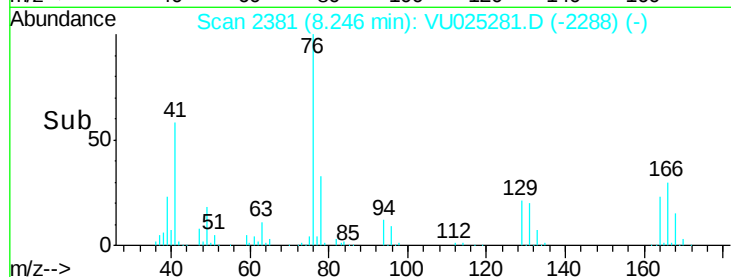
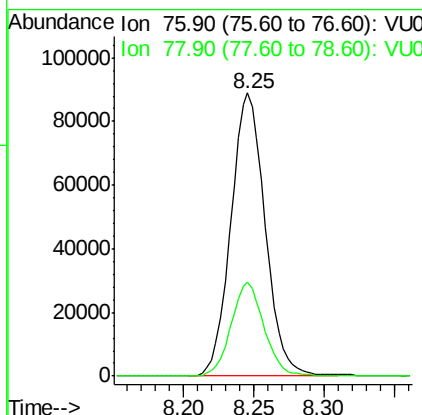
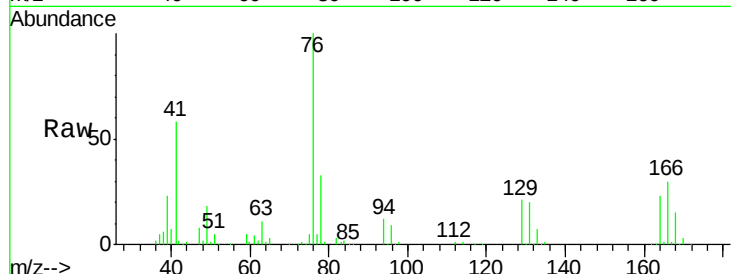
#57
 1,3-Dichloropropane
 Concen: 49.90 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 151271
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

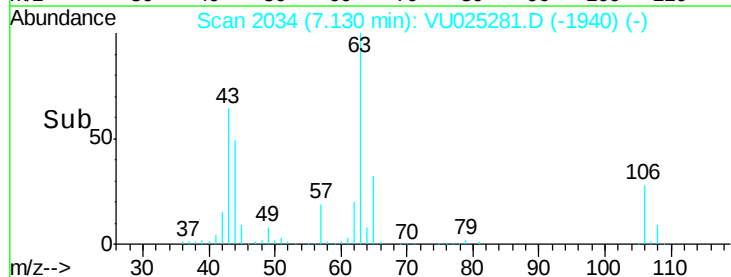
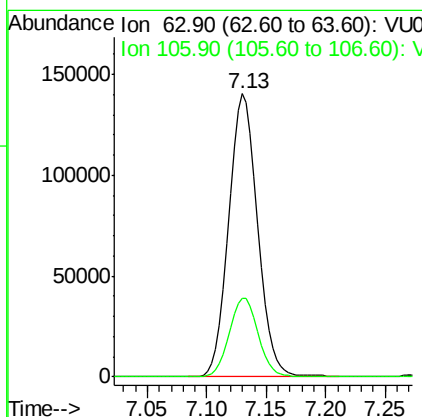
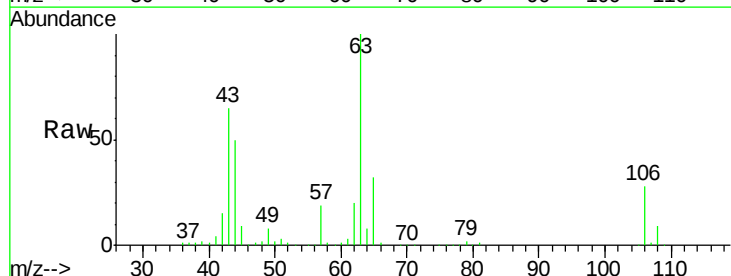
Manual Integrations
 APPROVED

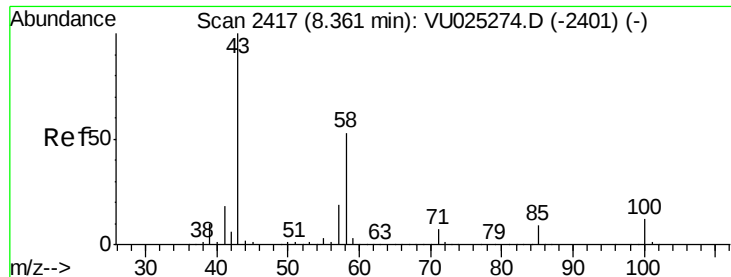
apatel
 7/12/2018 11:19:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 183.79 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion: 63 Resp: 236647
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





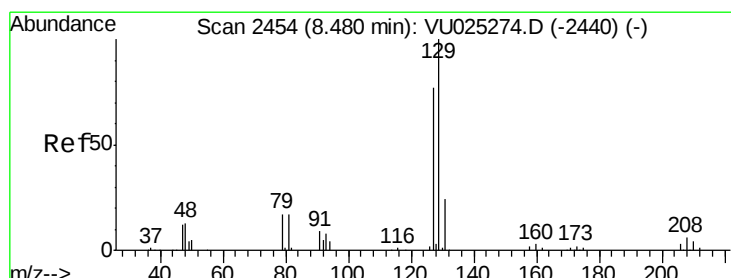
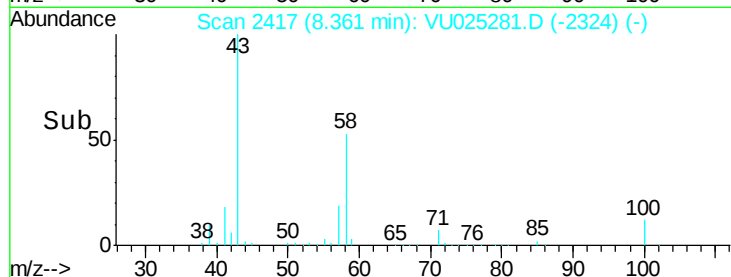
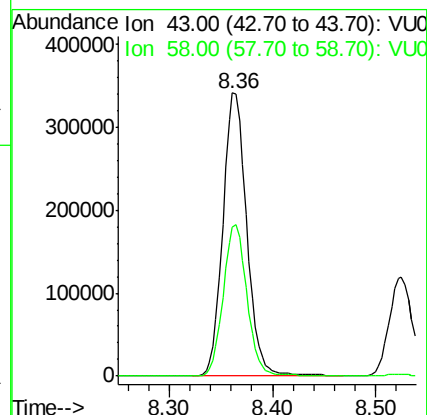
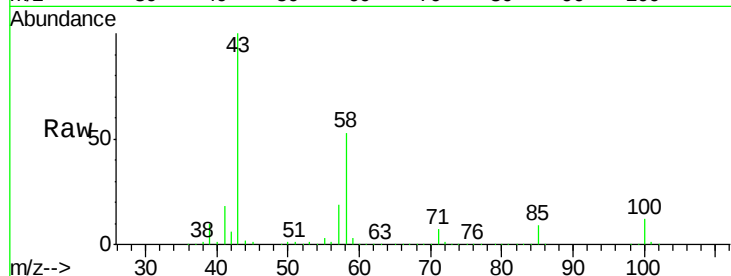
#59
2-Hexanone
Concen: 245.07 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 551769
Ion Ratio Lower Upper
43 100
58 53.4 26.2 78.5

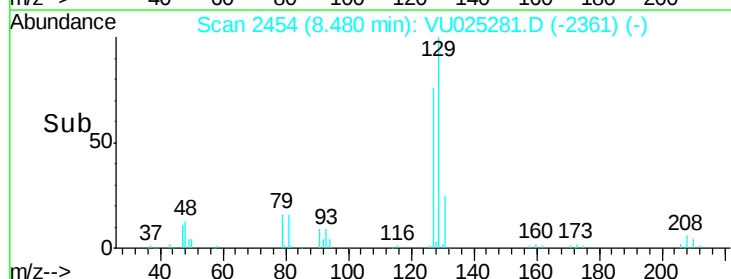
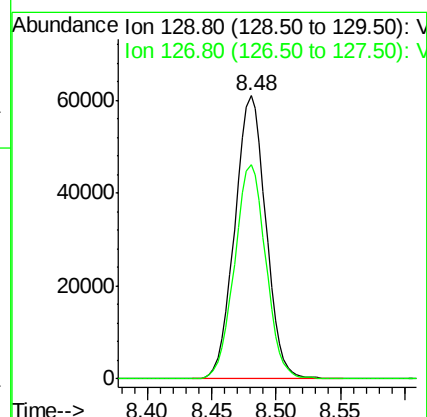
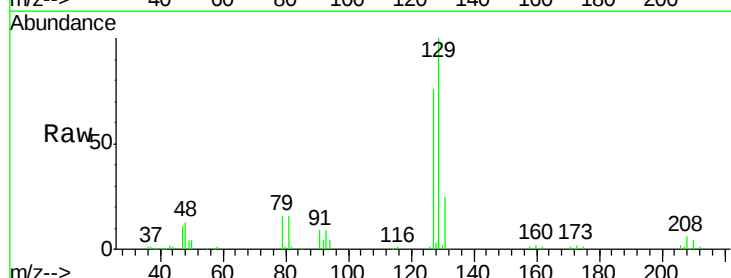
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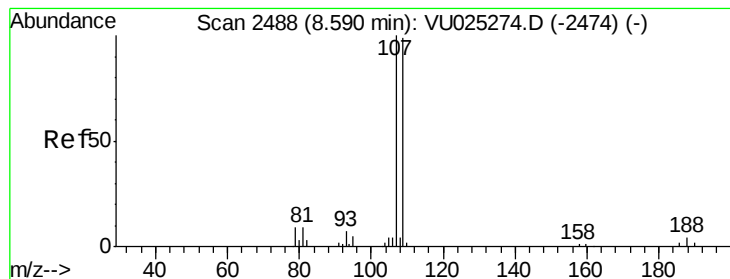
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#60
Dibromochloromethane
Concen: 51.83 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion: 129 Resp: 102205
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.27 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 96259

Ion Ratio Lower Upper

107 100

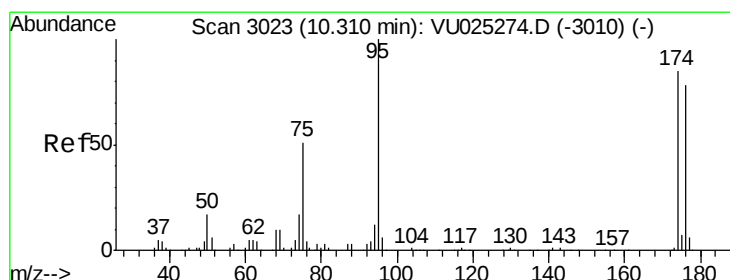
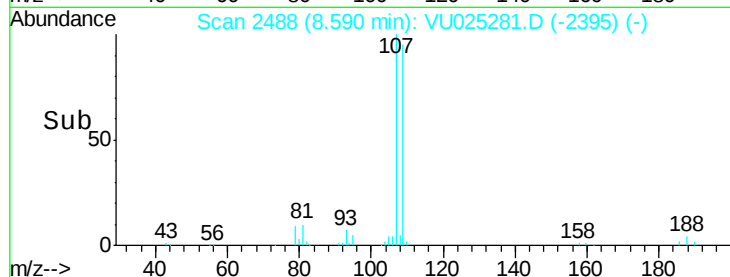
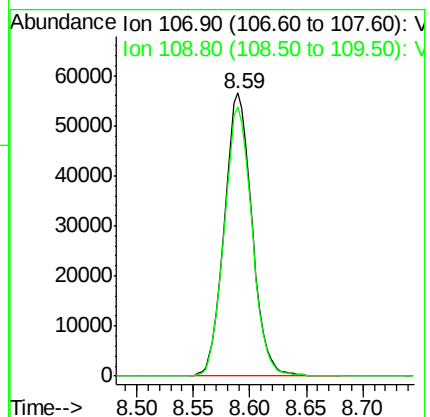
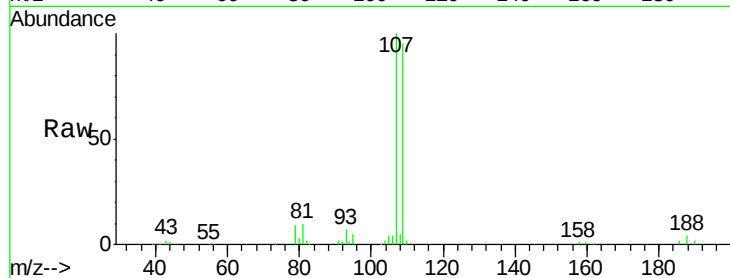
109 95.6 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 43.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

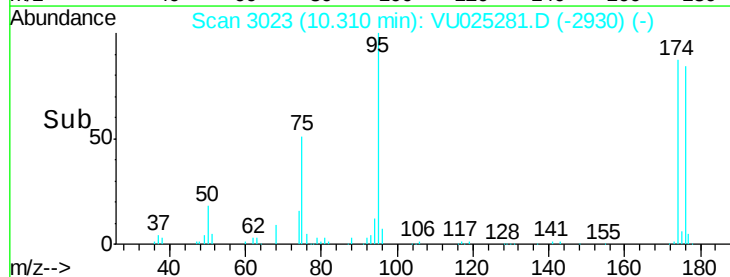
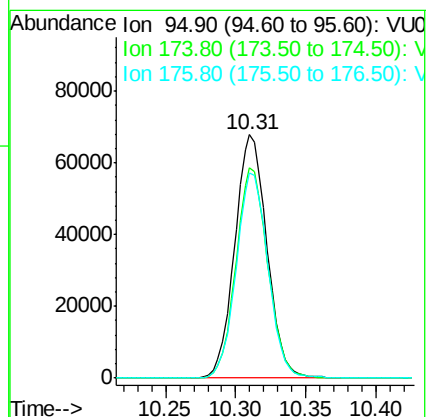
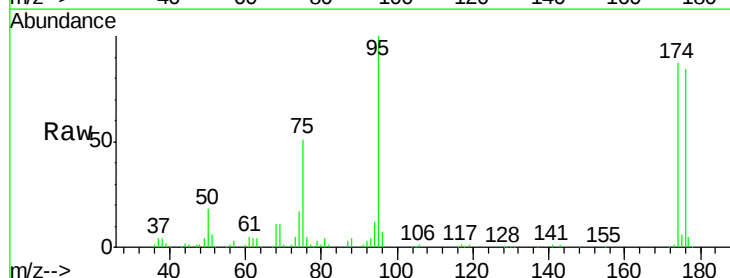
Tgt Ion: 95 Resp: 108511

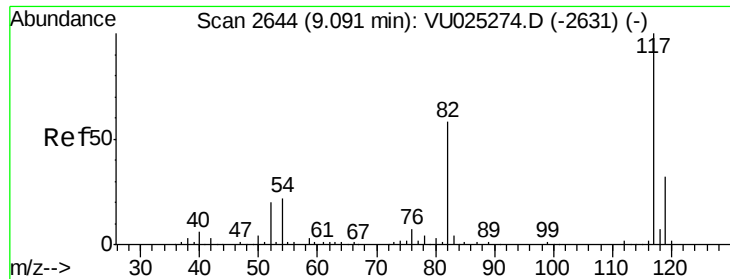
Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.2

176 83.3 0.0 162.6





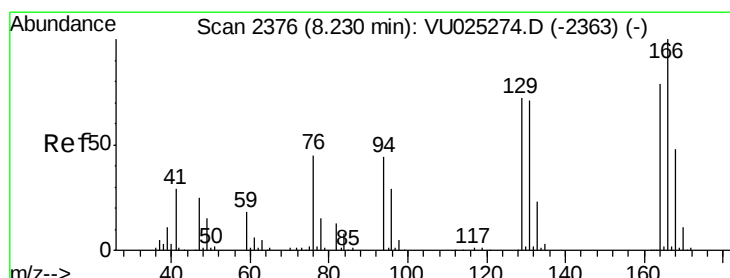
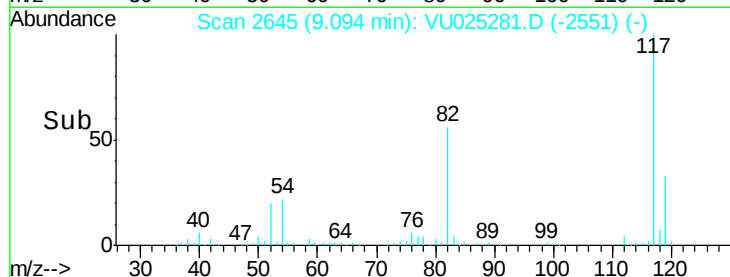
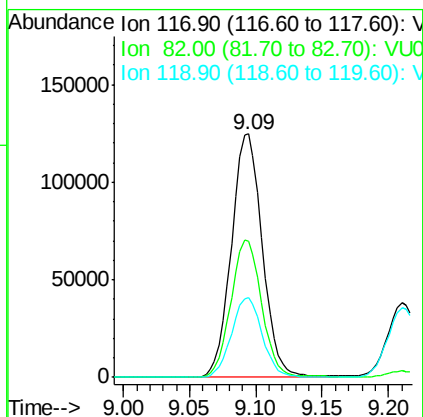
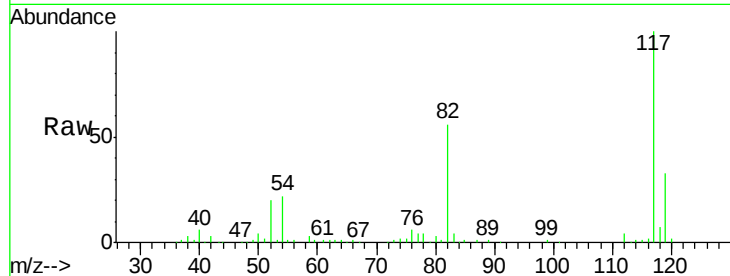
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.0	69.0
119	32.8	26.0	39.0

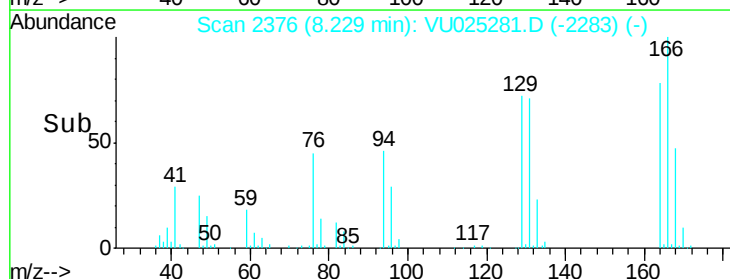
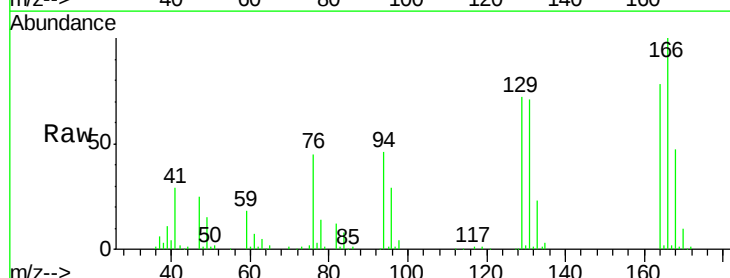
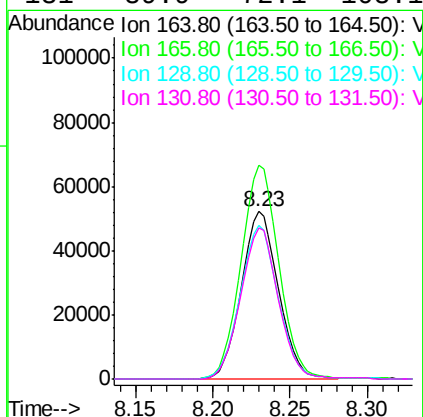
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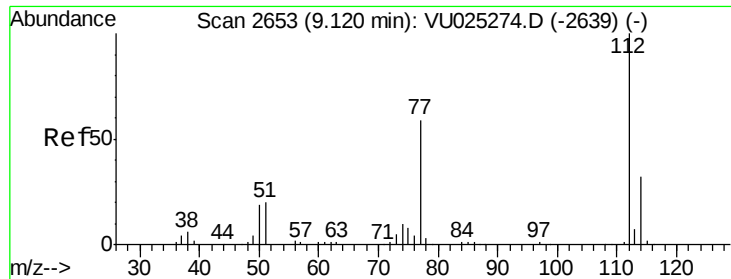
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#64
Tetrachloroethene
Concen: 47.29 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.1	151.7
129	91.3	73.0	109.6
131	89.9	72.1	108.1





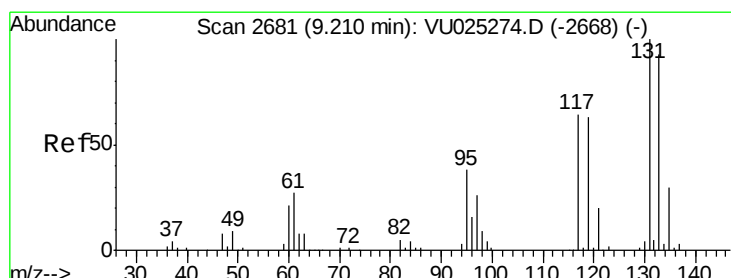
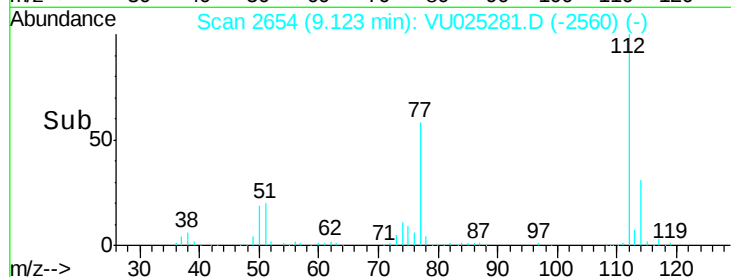
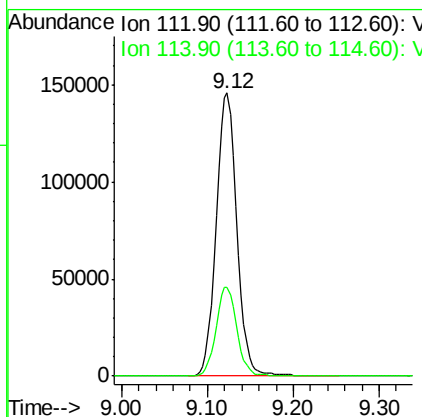
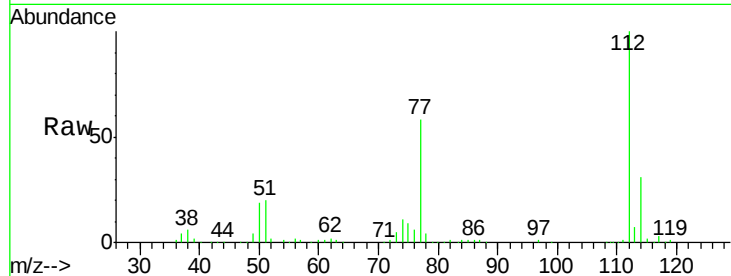
#65
Chlorobenzene
Concen: 48.25 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 244043
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8

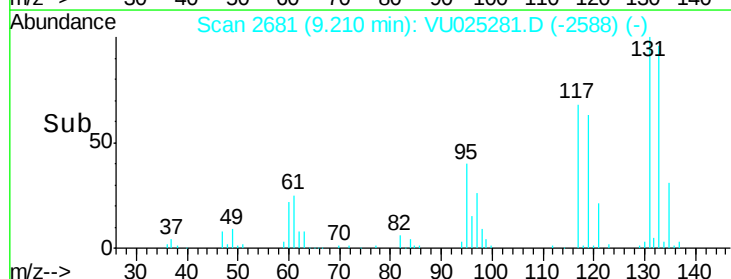
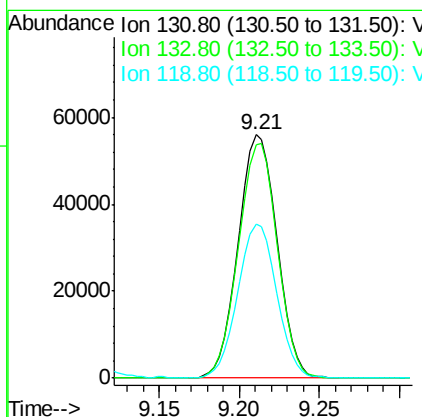
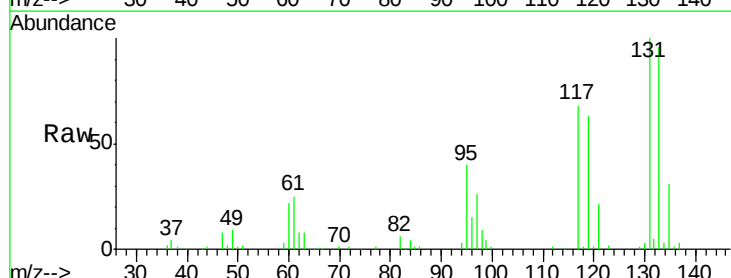
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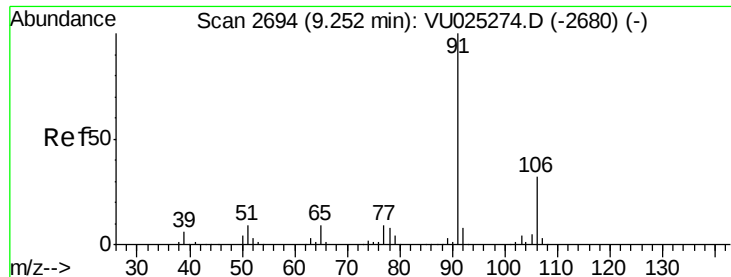
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.26 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion:131 Resp: 92749
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 63.5 31.6 95.0





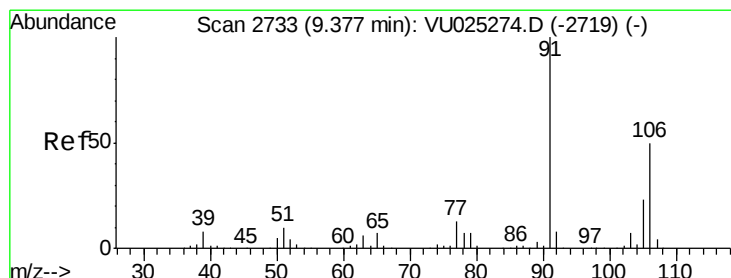
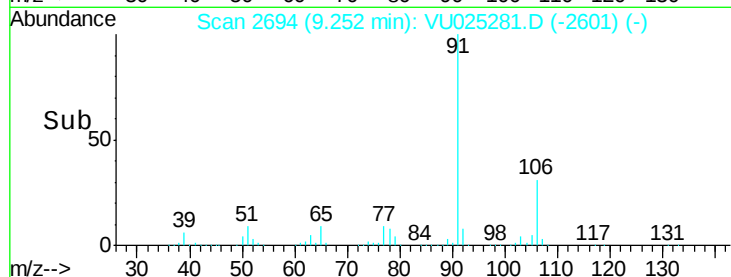
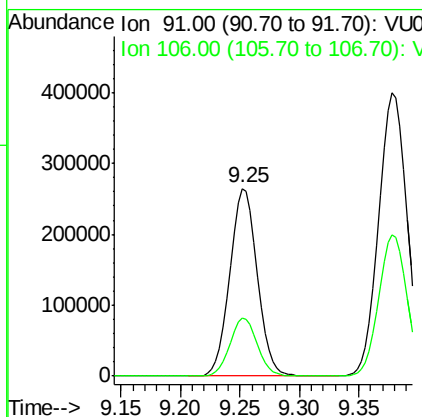
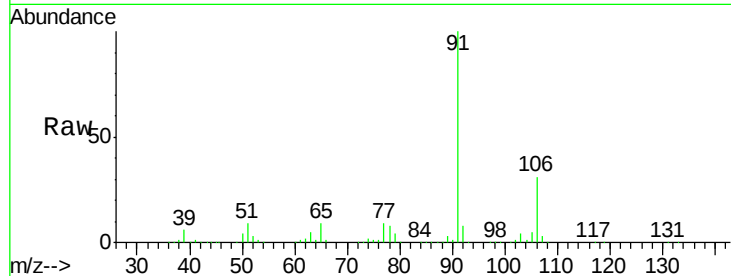
#67
Ethyl Benzene
Concen: 49.20 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 424230
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

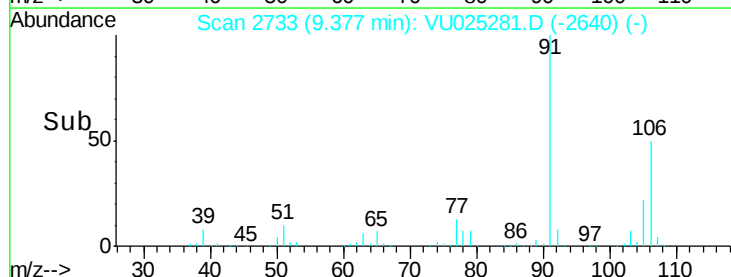
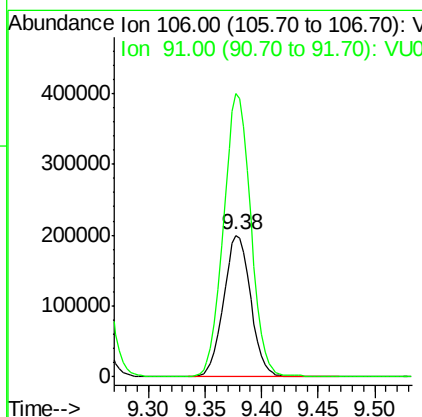
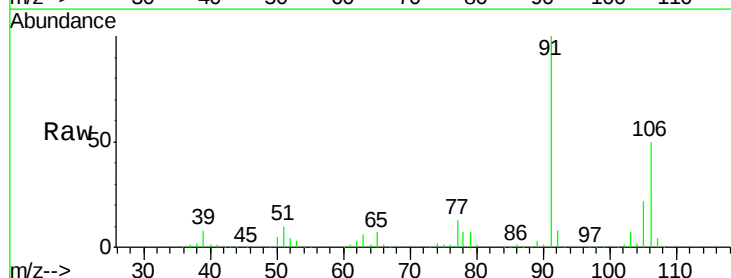
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#68
m/p-Xylenes
Concen: 99.56 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion: 106 Resp: 331901
Ion Ratio Lower Upper
106 100
91 202.4 162.3 243.5





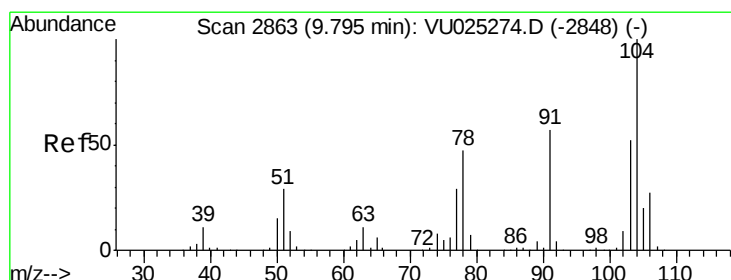
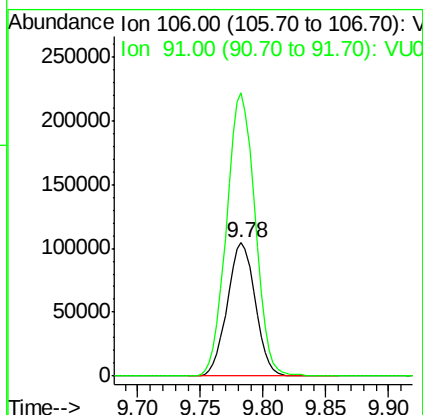
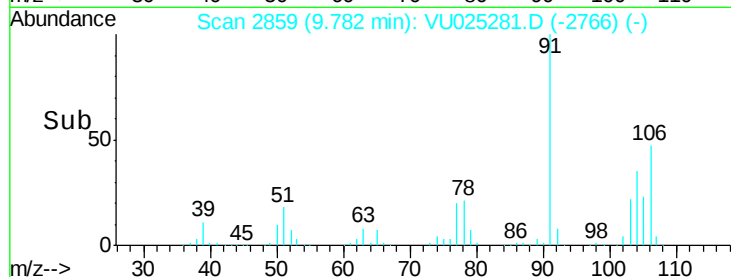
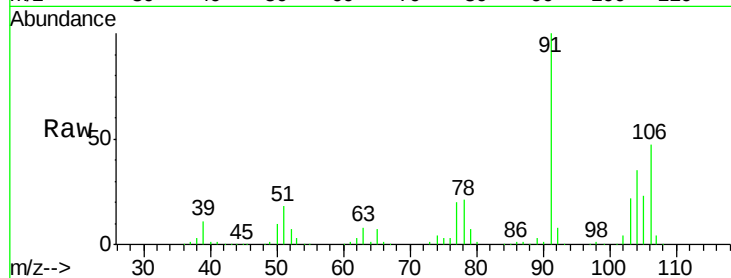
#69
o-Xylene
Concen: 48.53 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 161986
Ion Ratio Lower Upper
106 100
91 216.0 105.3 315.8

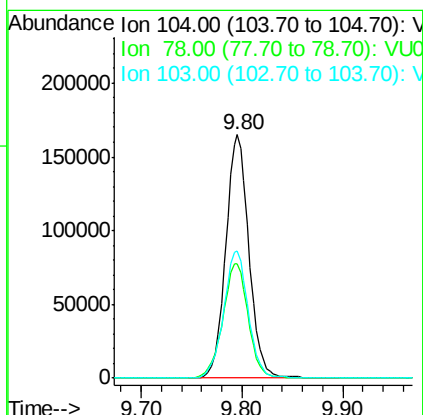
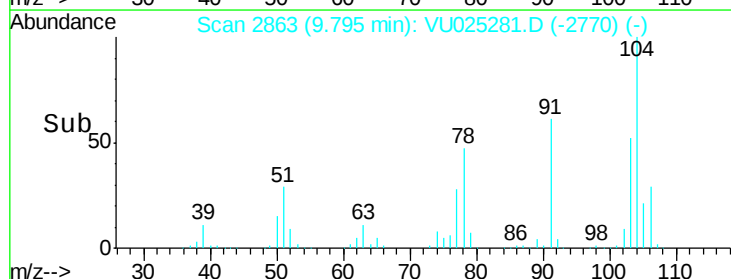
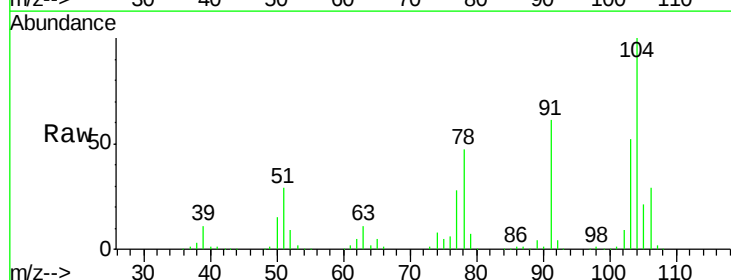
Manual Integrations
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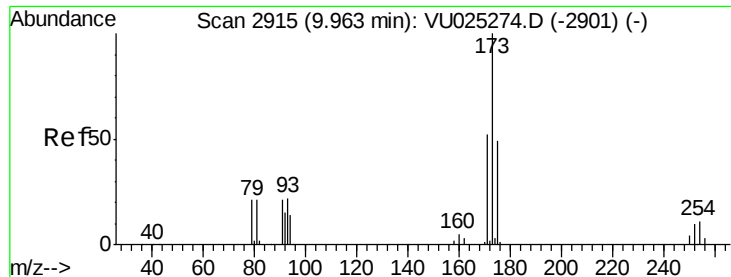
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#70
Styrene
Concen: 49.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion:104 Resp: 264348
Ion Ratio Lower Upper
104 100
78 51.5 41.6 62.4
103 55.3 44.6 66.8





#71

Bromoform

Concen: 45.33 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

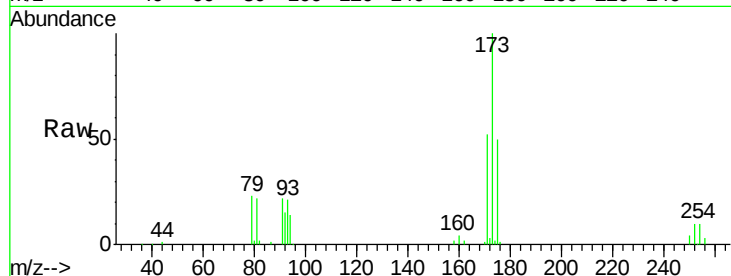
ClientSampleId :

VSTDCCC050

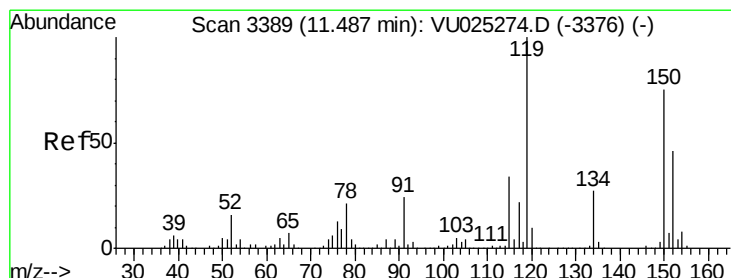
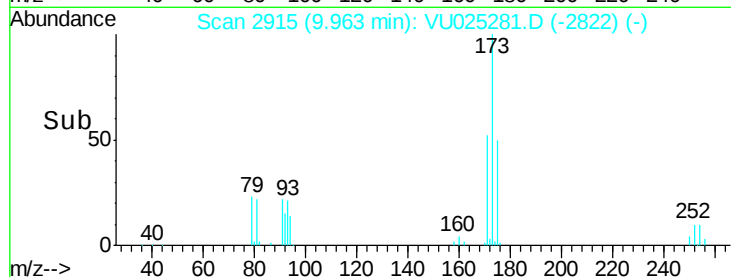
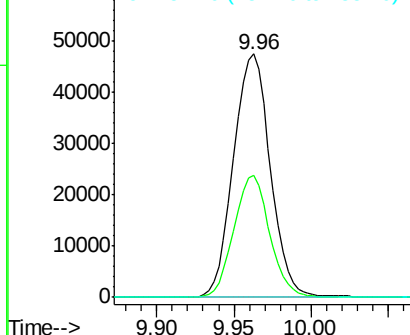
Tot Ion:	173	Resp:	78470
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.0	72.0
254	0.0	0.0	0.0

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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

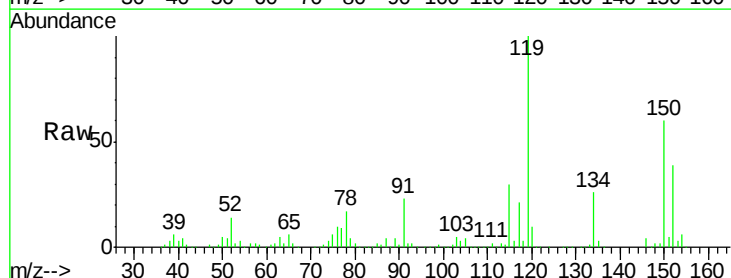
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

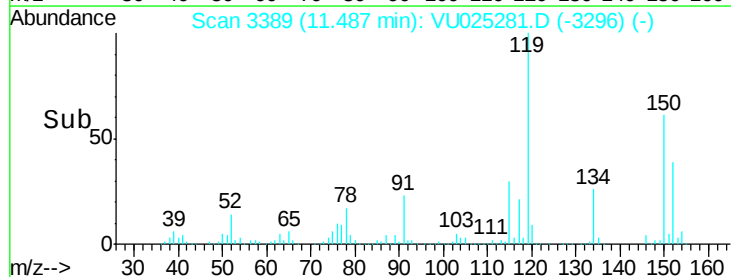
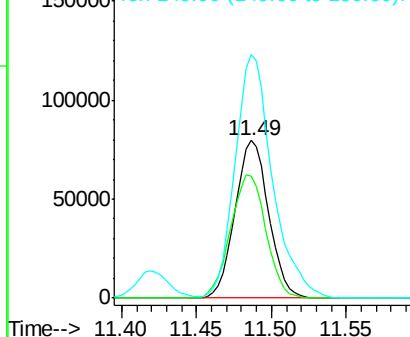
Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	152	Resp:	124385
Ion Ratio	Lower	Upper	
152	100		
115	82.4	40.1	120.3
150	172.2	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: 46.36 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 440545

Ion Ratio Lower Upper

105 100

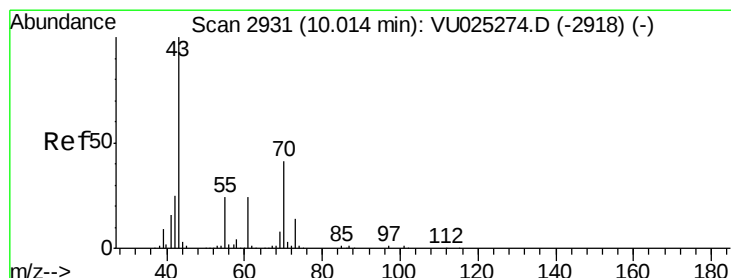
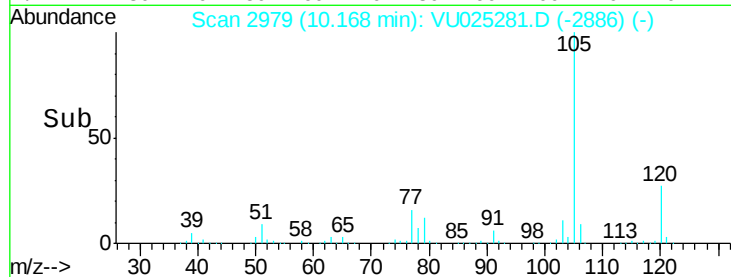
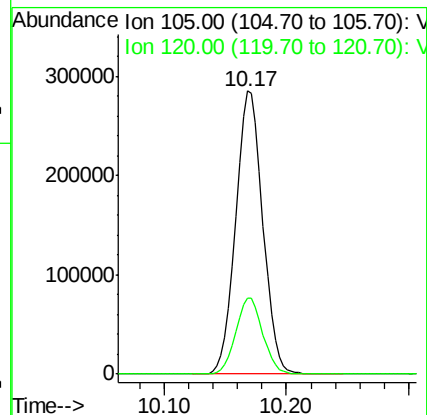
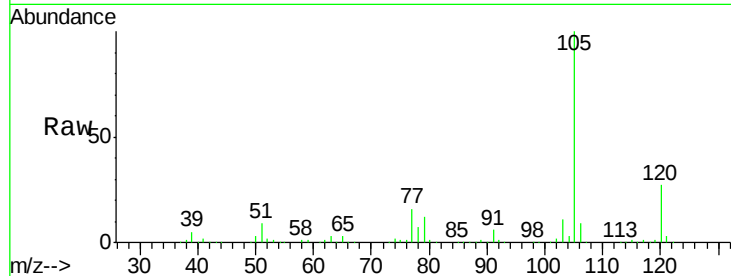
120 26.7 13.5 40.5

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#74

N-ethyl acetate

Concen: 47.46 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion: 43 Resp: 184361

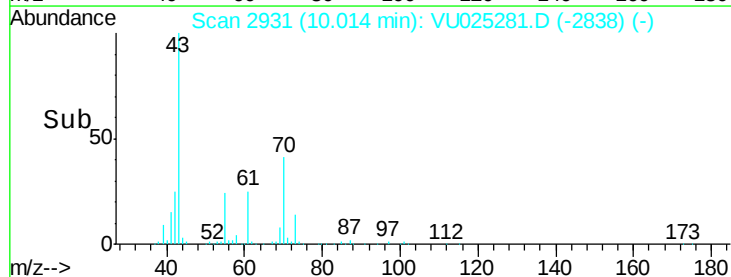
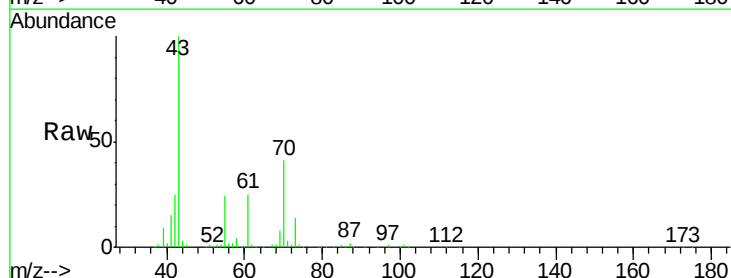
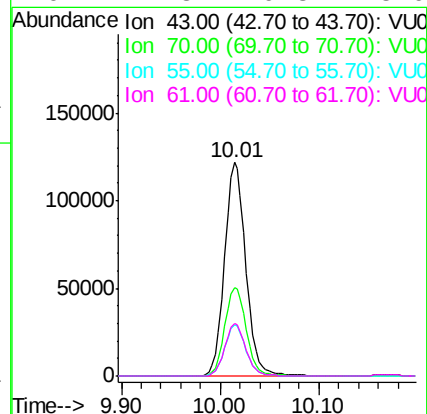
Ion Ratio Lower Upper

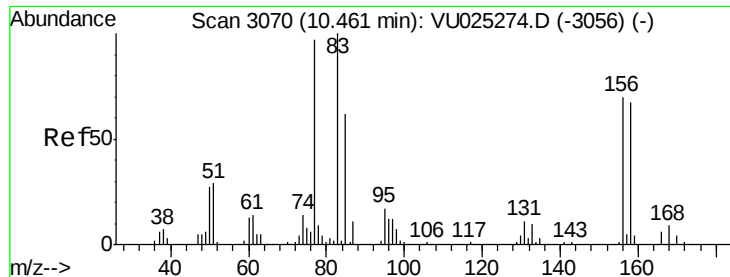
43 100

70 42.2 33.4 50.2

55 23.9 19.0 28.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 45.87 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

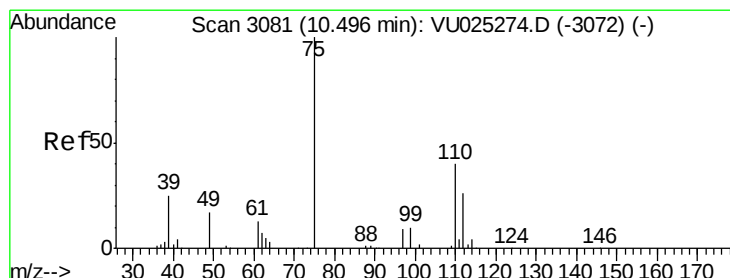
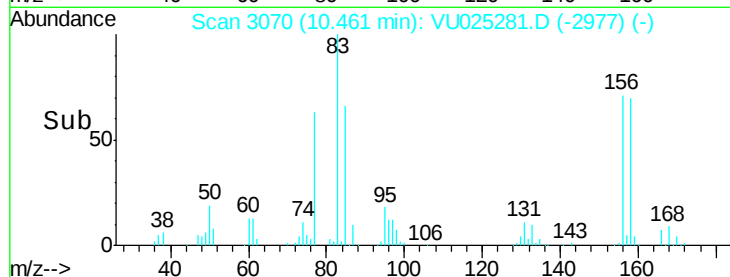
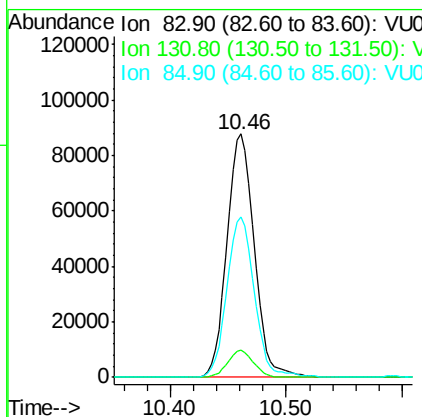
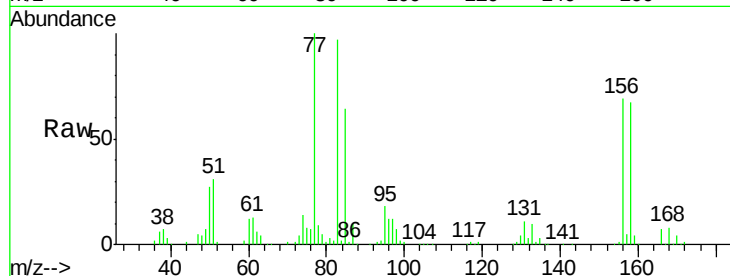
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142636
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	66.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.65 ug/l m

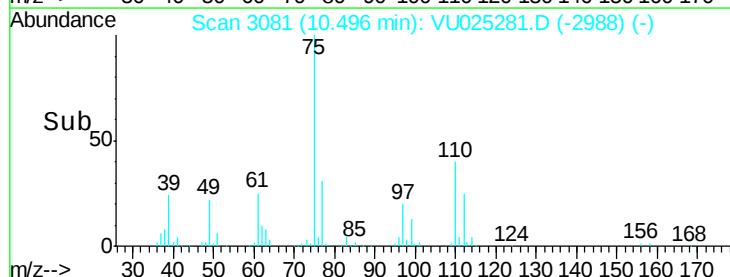
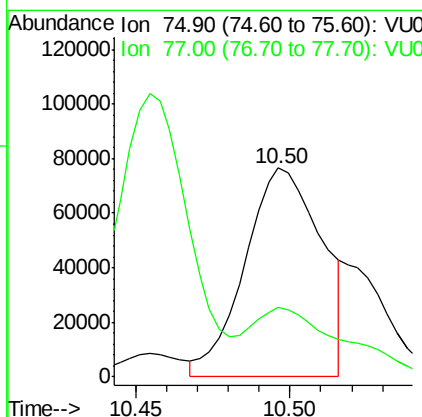
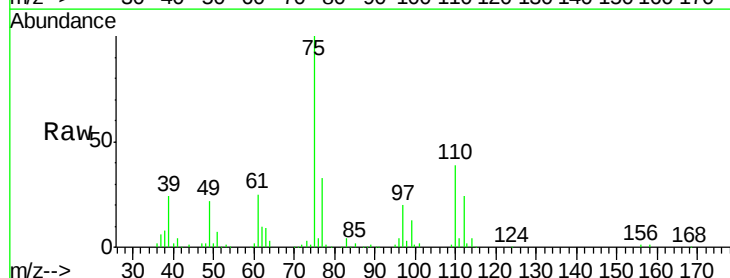
RT: 10.50 min Scan# 3081

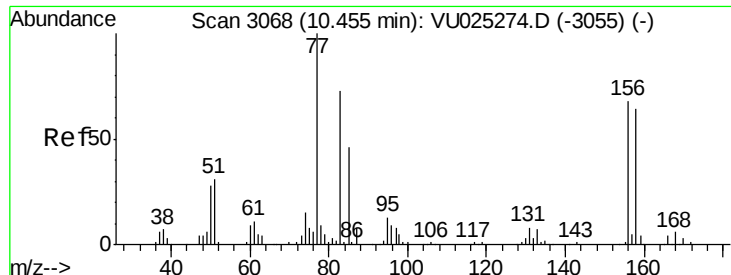
Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Tgt Ion:	75	Resp:	132747
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.4	61.3





#77

Bromobenzene

Concen: 46.19 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 112298

Ion Ratio Lower Upper

156 100

77 150.0 73.8 221.4

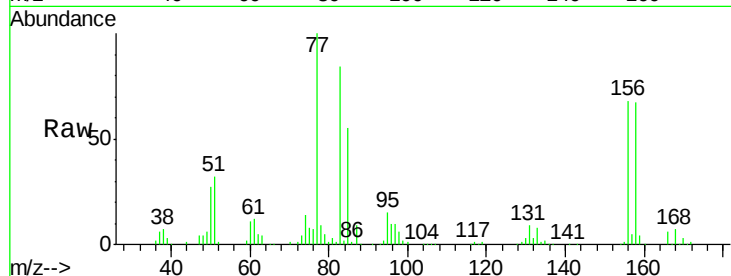
158 97.0 48.0 144.0

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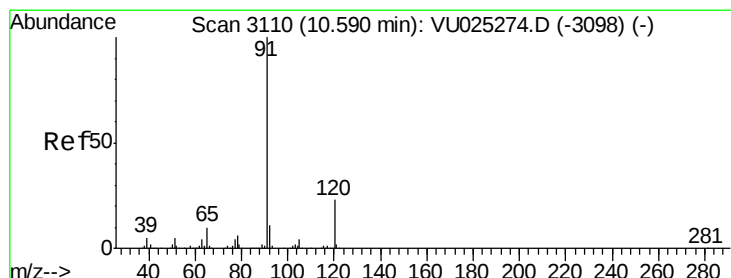
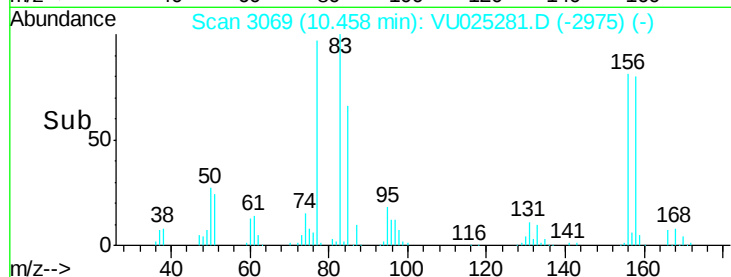
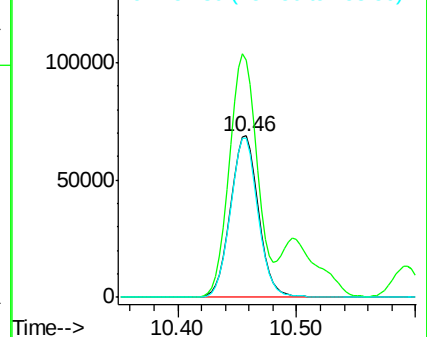
7/12/2018 11:19:18 AM



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: 47.83 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025281.D

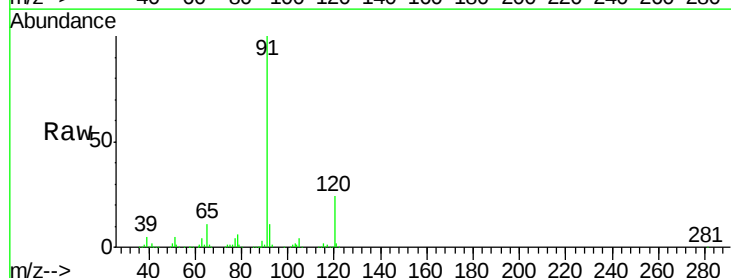
Acq: 10 Jul 2018 11:33

Tgt Ion: 91 Resp: 504425

Ion Ratio Lower Upper

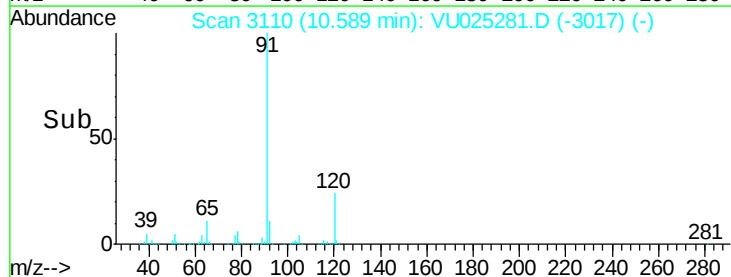
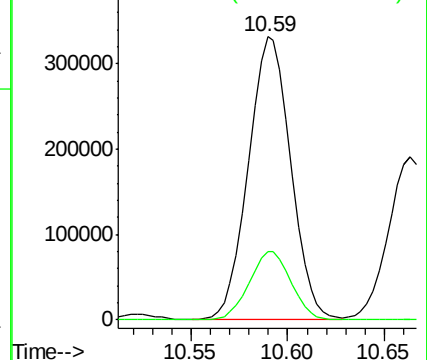
91 100

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





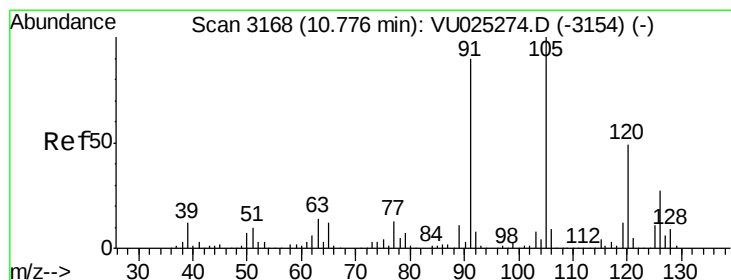
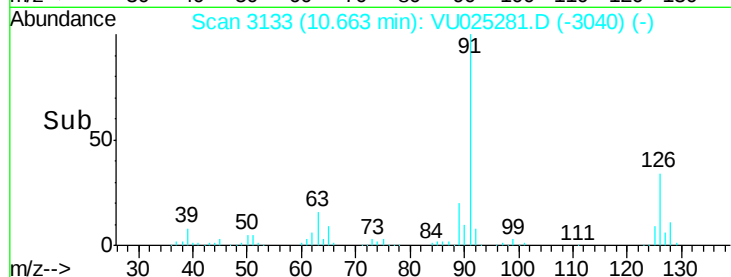
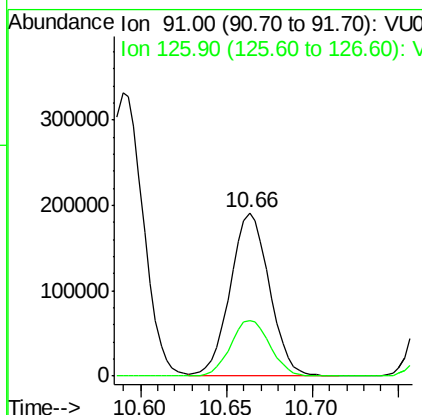
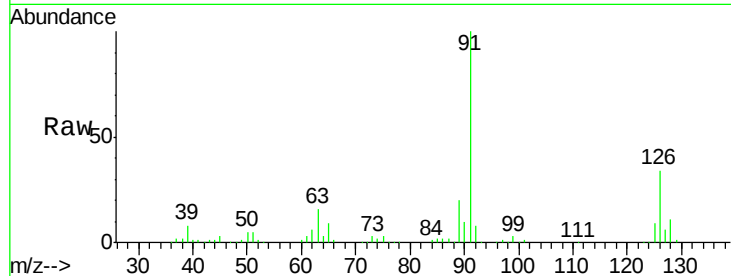
#79
 2-Chlorotoluene
 Concen: 49.79 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 301483
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.6

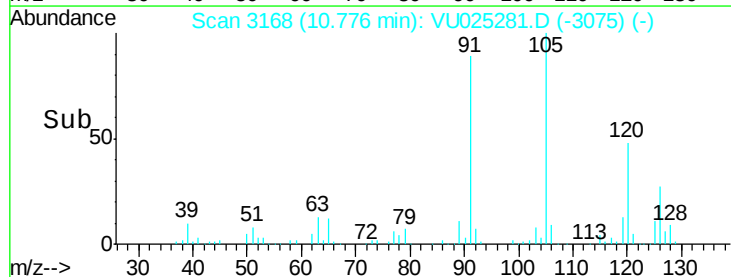
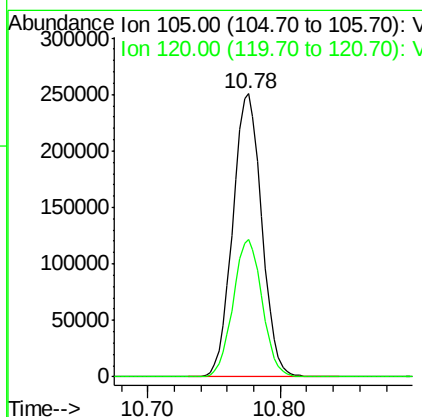
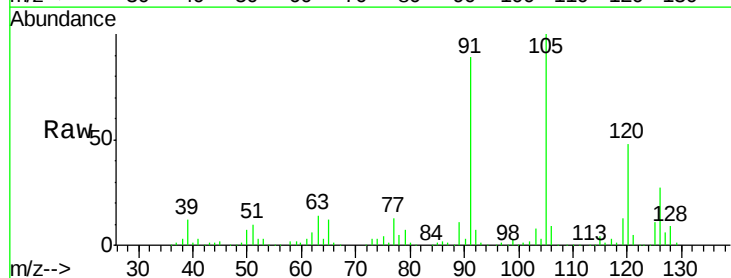
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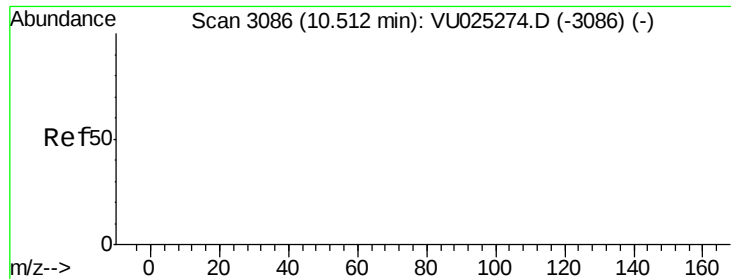
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.63 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion: 105 Resp: 380897
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





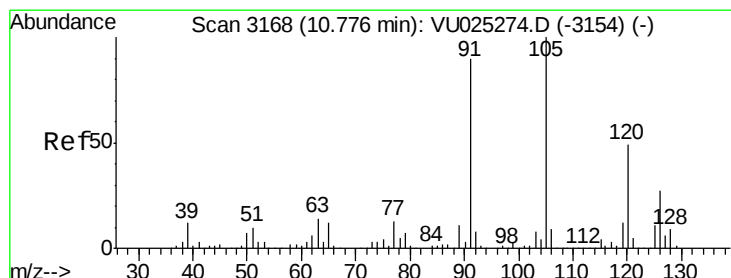
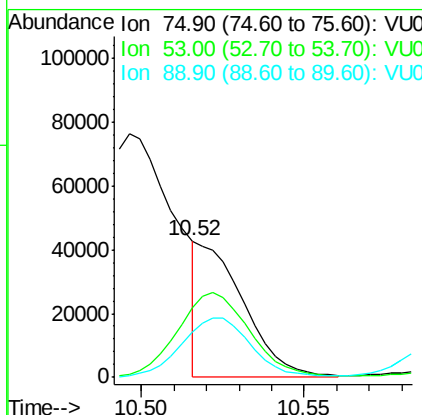
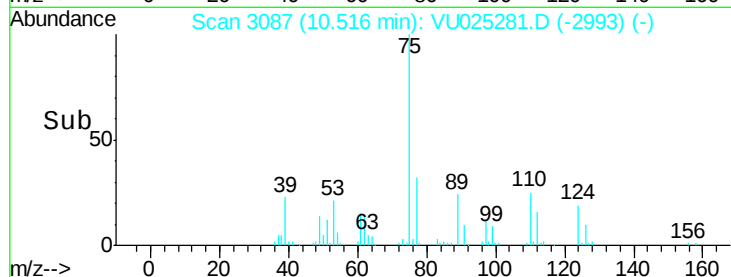
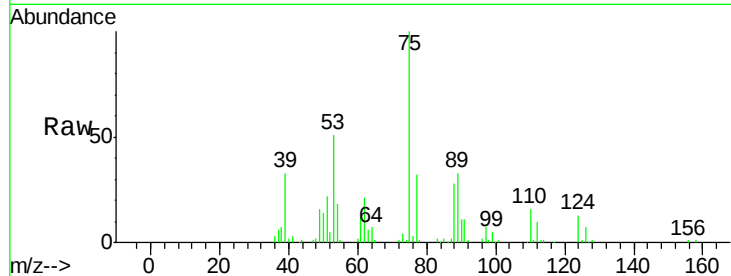
#81
trans-1,4-Dichloro-2-butene
Concen: 41.85 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

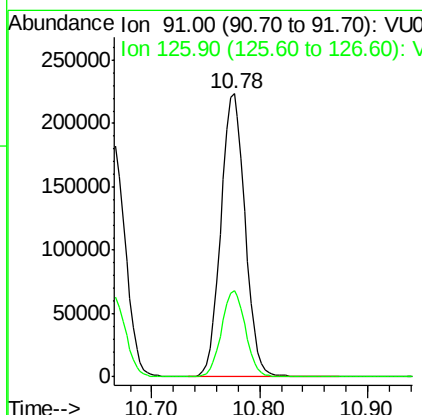
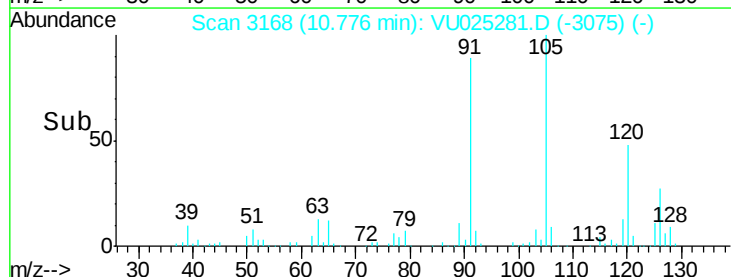
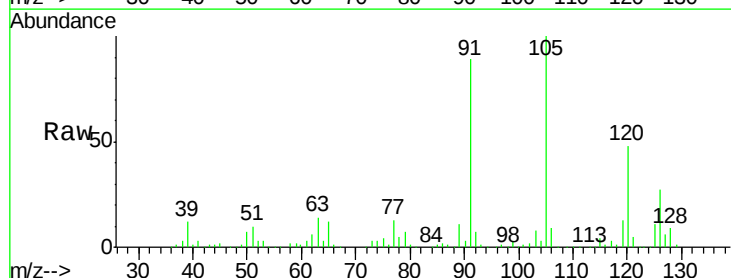
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#82
4-Chlorotoluene
Concen: 46.56 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





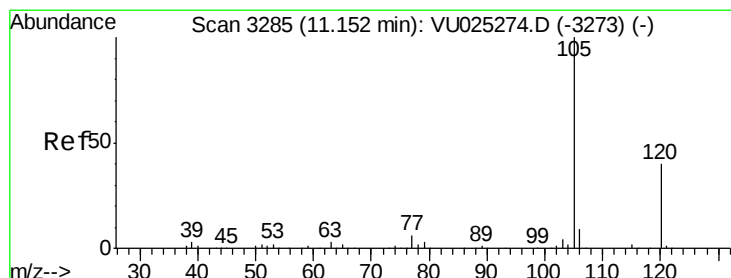
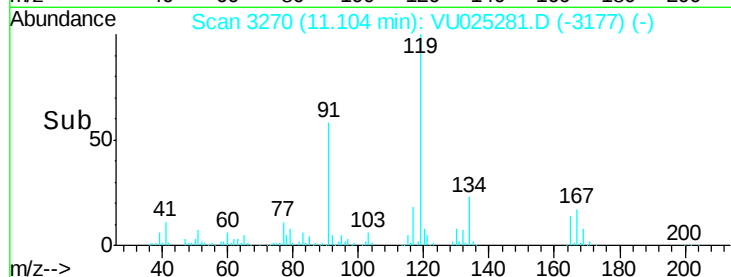
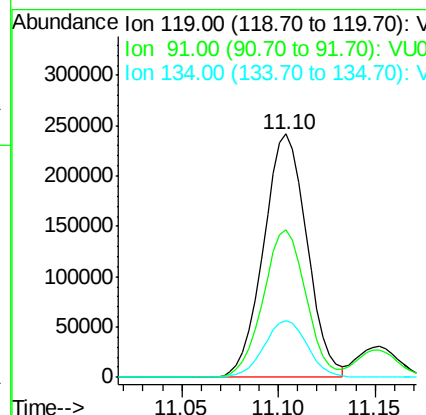
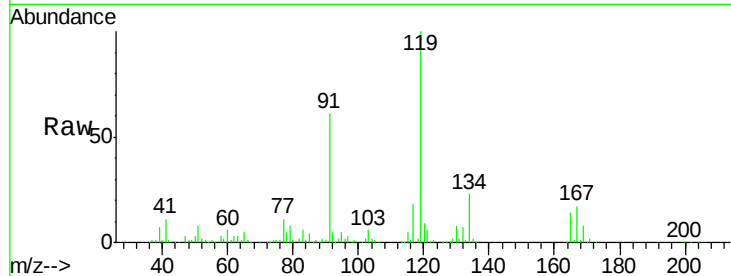
#83
tert-Butylbenzene
Concen: 46.68 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	377260		
91	59.9	29.7	89.1	
134	23.1	11.5	34.5	

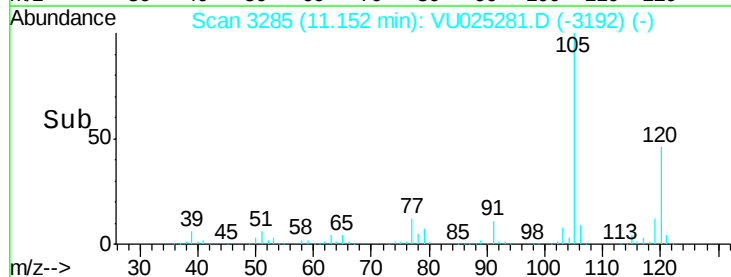
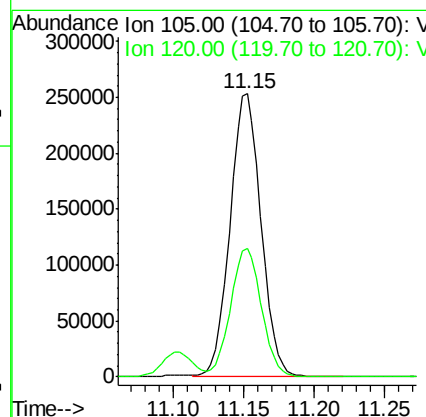
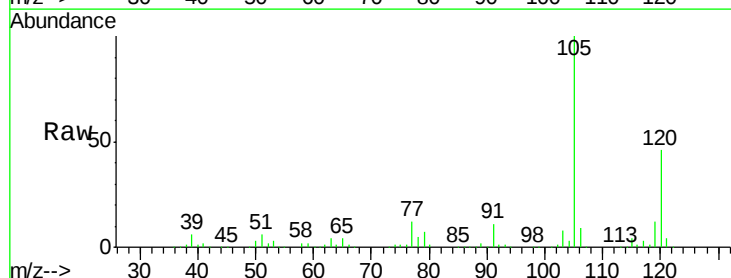
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#84
1,2,4-Trimethylbenzene
Concen: 47.25 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387286		
120	45.5	22.3	66.8	





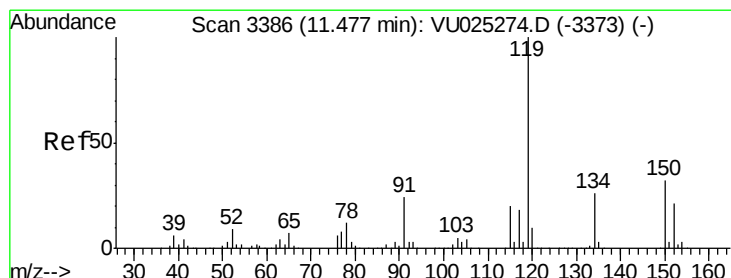
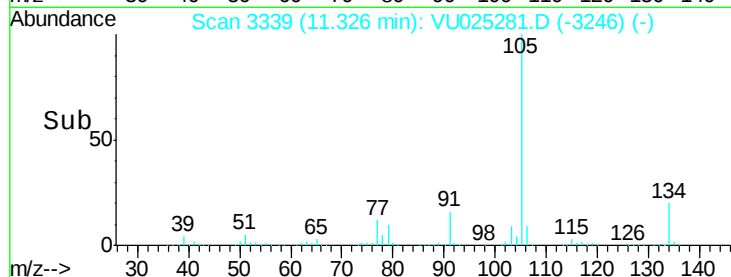
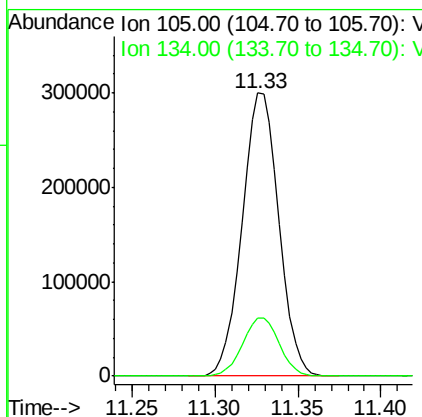
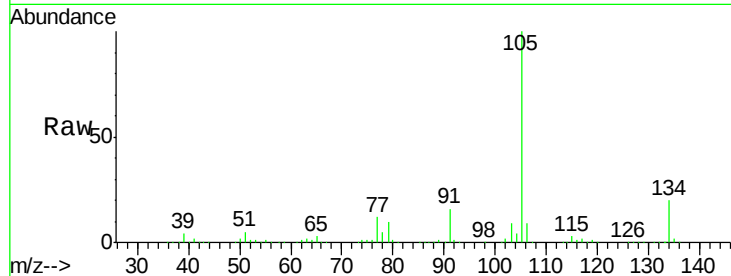
#85
 sec-Butylbenzene
 Concen: 48.30 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 459602
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8

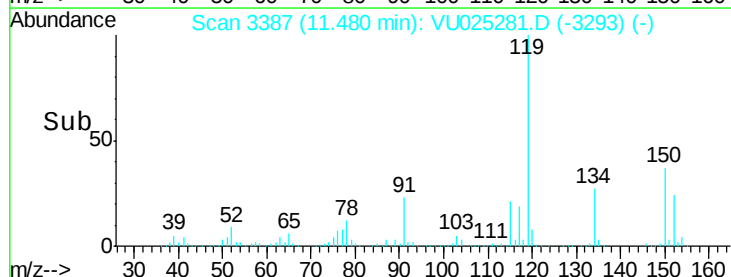
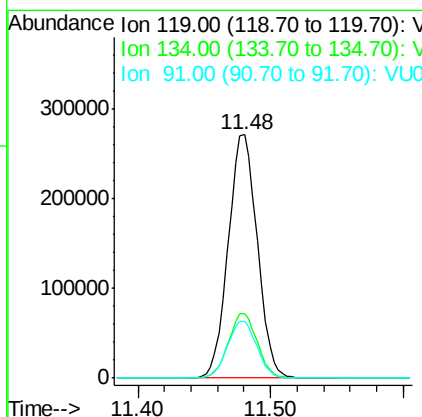
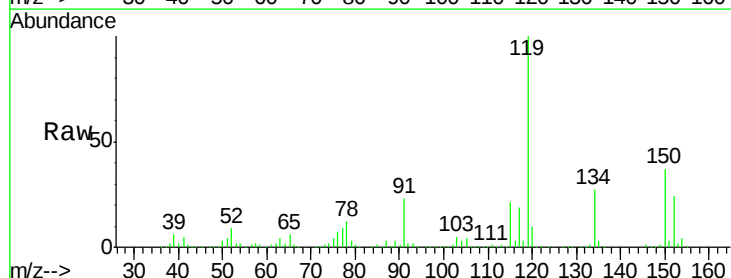
Manual Integrations
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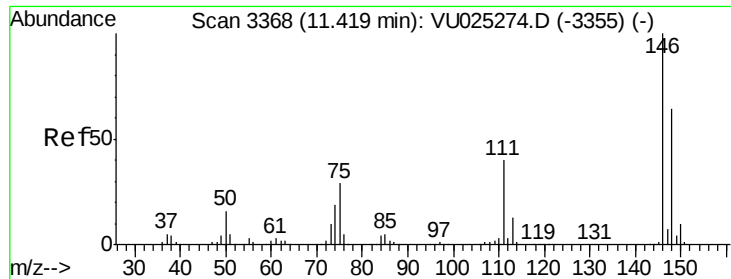
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#86
 p-Isopropyltoluene
 Concen: 48.93 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion:119 Resp: 412202
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 23.6 12.0 36.1





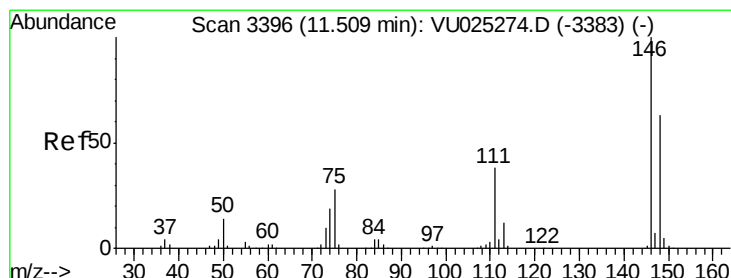
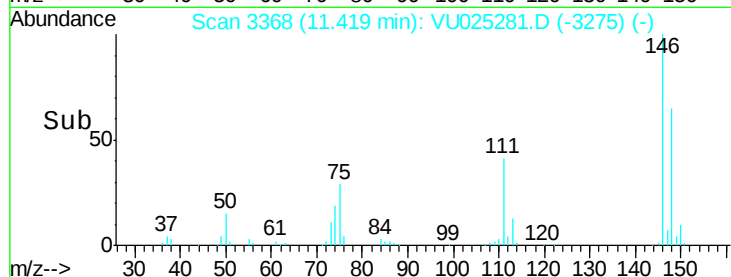
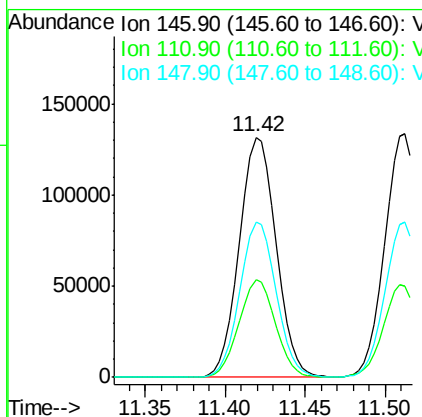
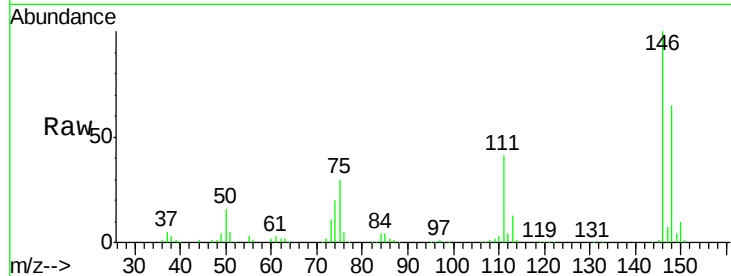
#87
 1,3-Dichlorobenzene
 Concen: 46.46 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.1
148	63.9	32.1	96.3

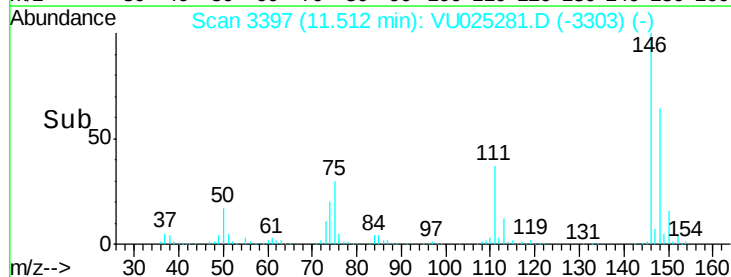
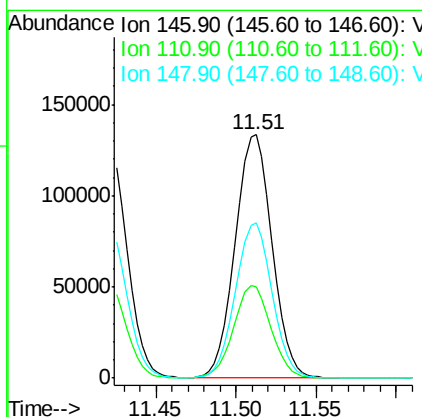
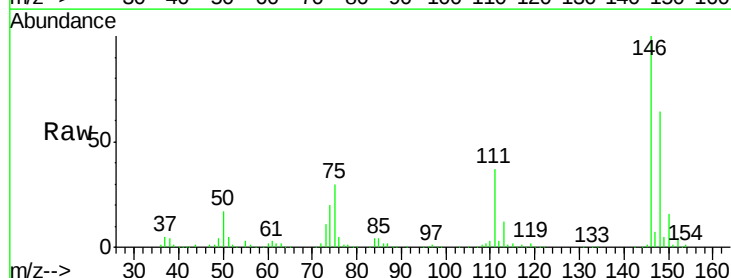
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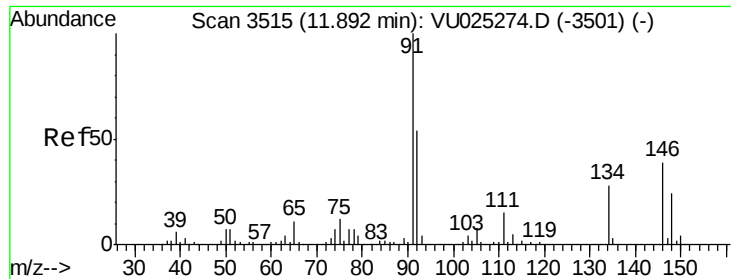
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#88
 1,4-Dichlorobenzene
 Concen: 48.21 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.8	31.7	95.1





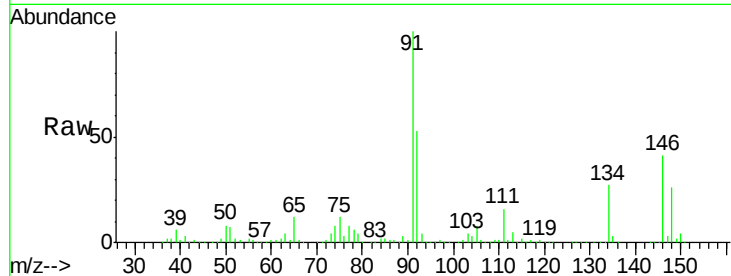
#89
n-Butylbenzene
Concen: 48.90 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.0	13.6	40.7

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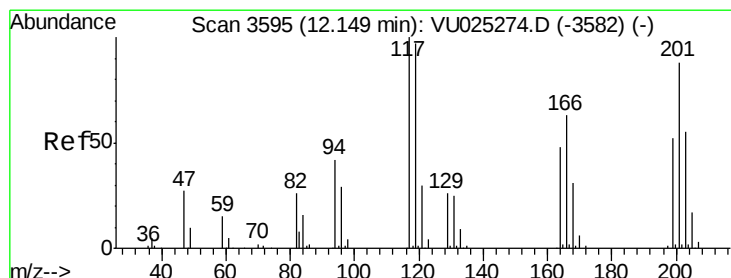
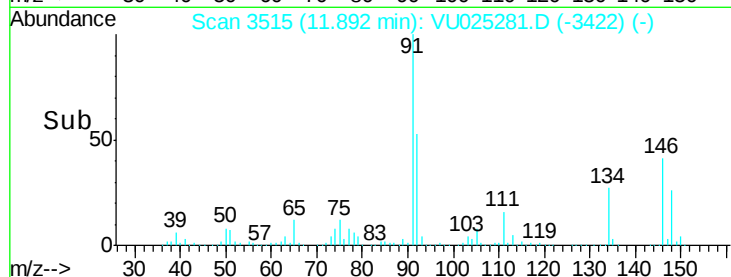
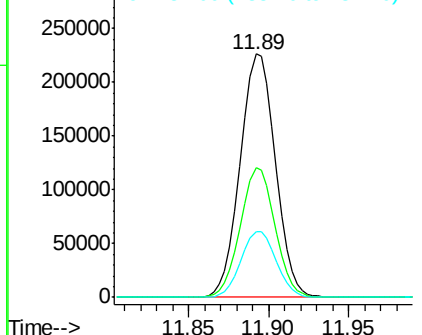


Abundance

Ion 91.00 (90.70 to 91.70): VU025281.D (-3422) (-)

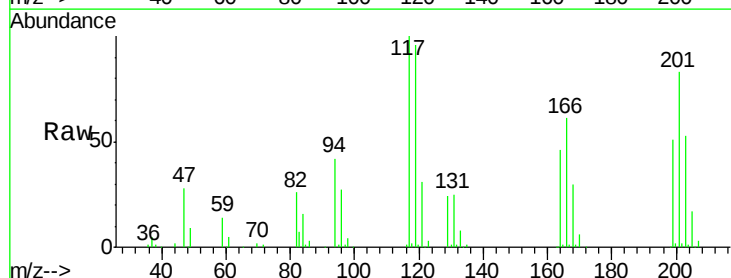
Ion 92.00 (91.70 to 92.70): VU025281.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU025281.D (-3422) (-)



#90
Hexachloroethane
Concen: 48.03 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

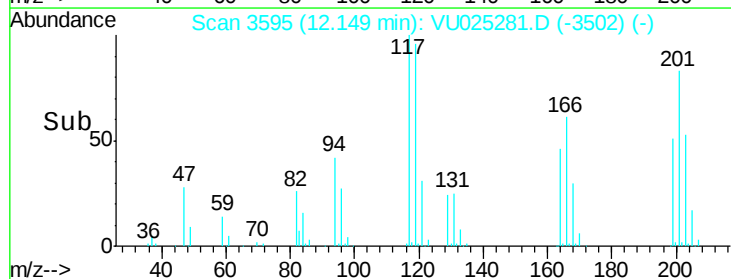
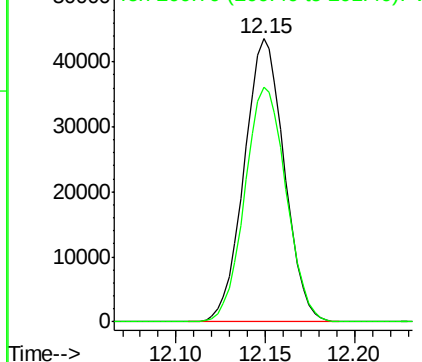
Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	42.5	127.6

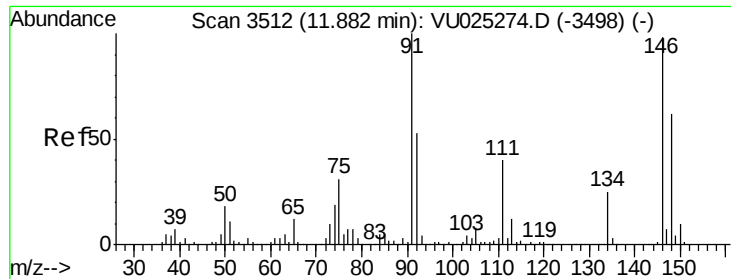


Abundance

Ion 116.80 (116.50 to 117.50): VU025281.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU025281.D (-3502) (-)





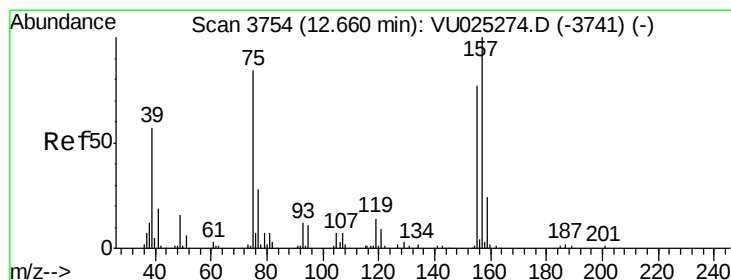
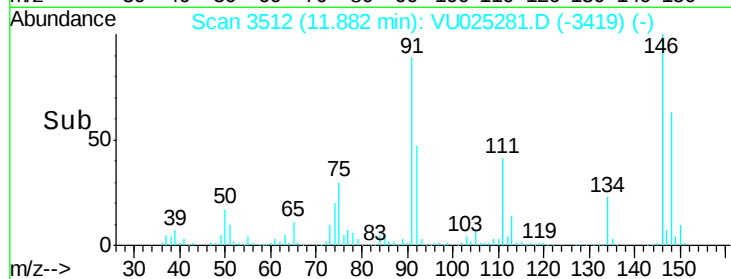
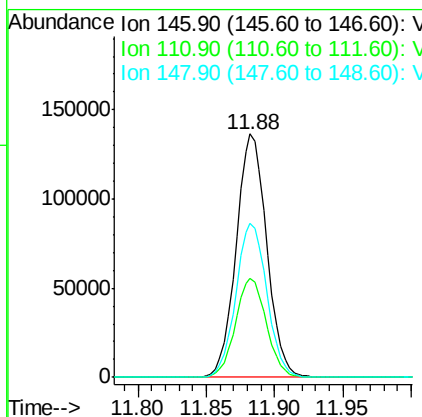
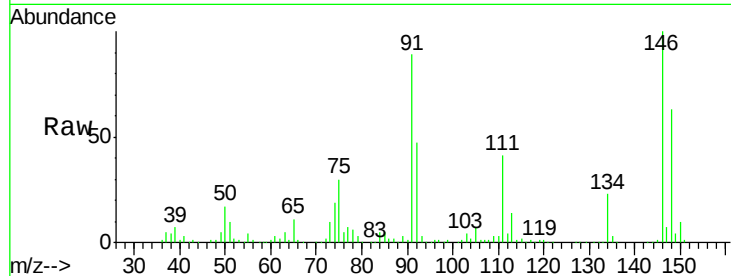
#91
 1,2-Dichlorobenzene
 Concen: 47.21 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.2	31.5	94.5

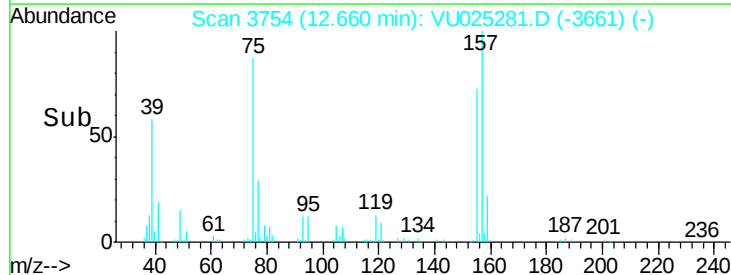
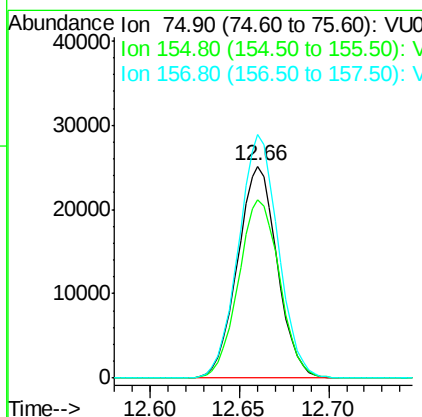
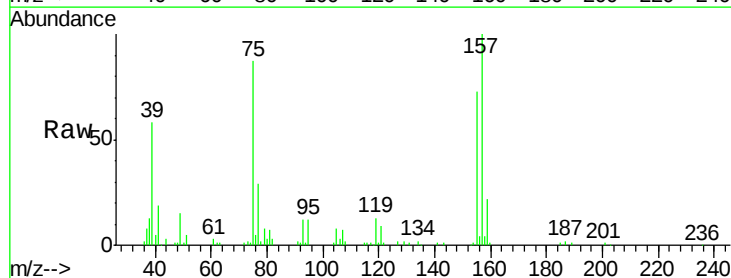
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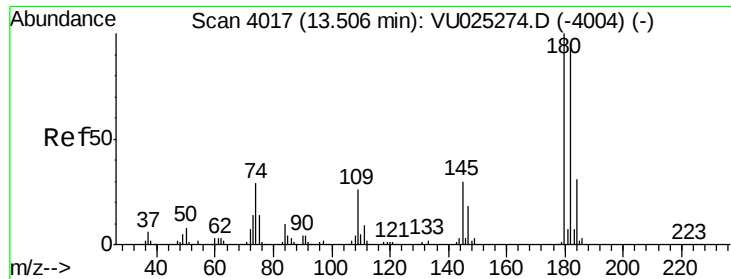
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.59 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	44.5	133.3
157	115.6	57.0	170.8





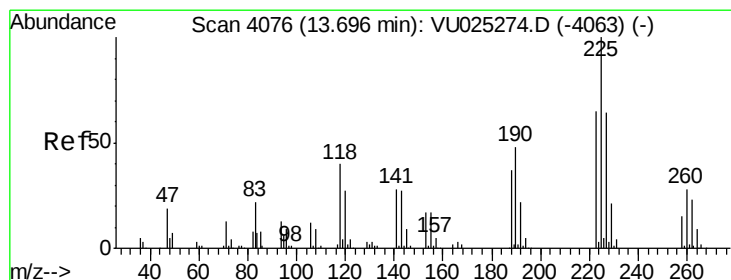
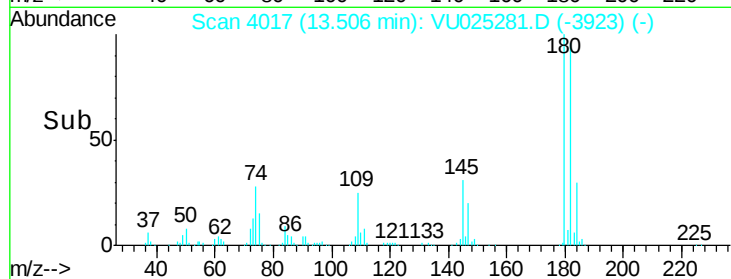
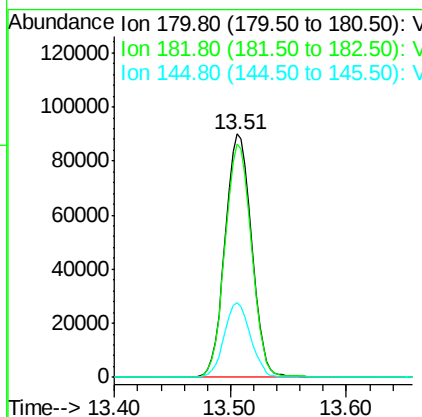
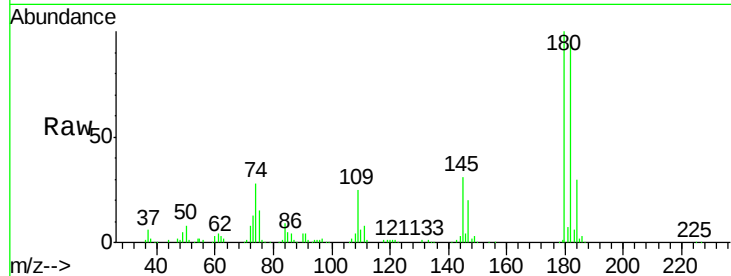
#93
 1,2,4-Trichlorobenzene
 Concen: 47.51 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	142252
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.9
145	30.3	14.9	44.7

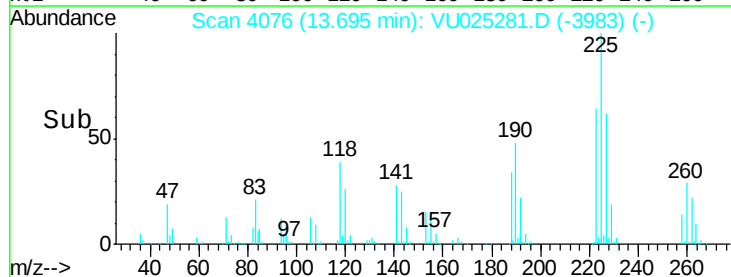
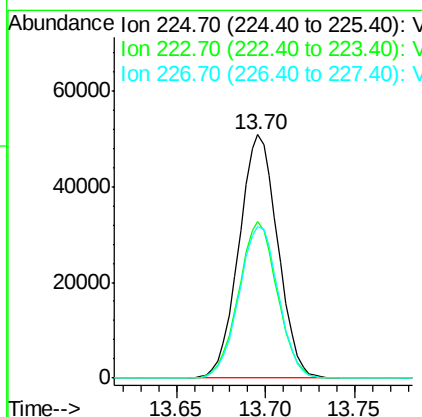
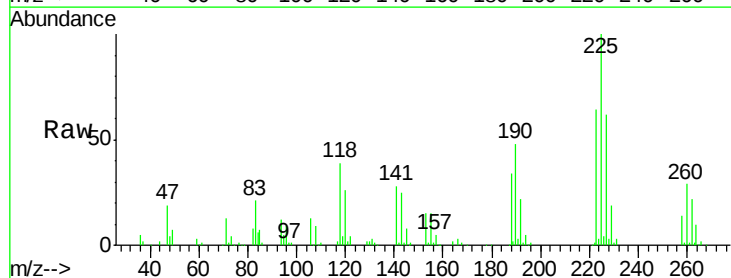
Manual Integrations
 APPROVED

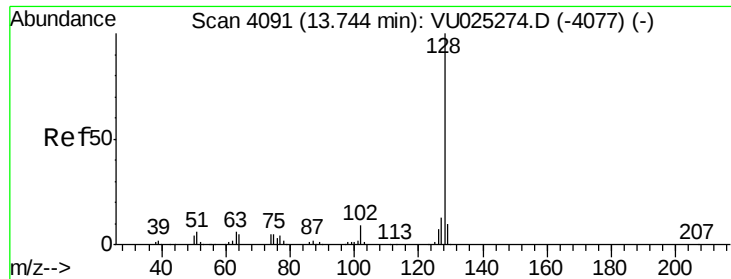
apatel
 7/12/2018 11:19:18 AM



#94
 Hexachlorobutadiene
 Concen: 48.15 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion:	225	Resp:	77272
Ion Ratio	Lower	Upper	
225	100		
223	64.3	31.9	95.7
227	63.2	32.3	96.9





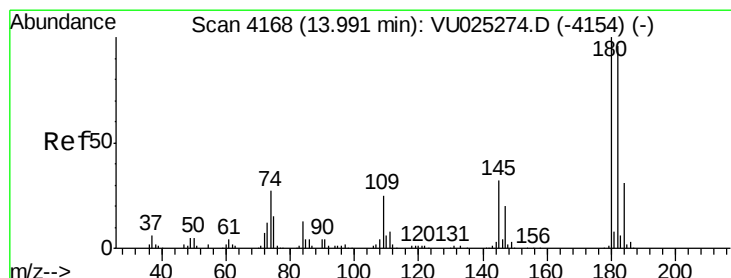
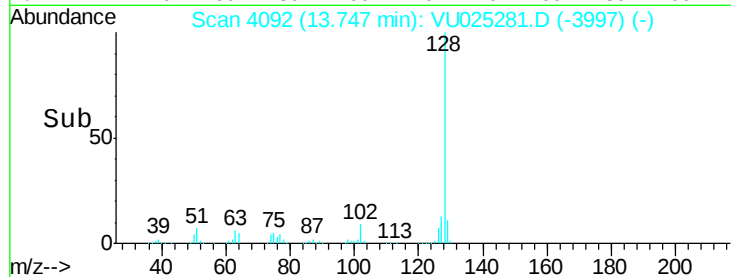
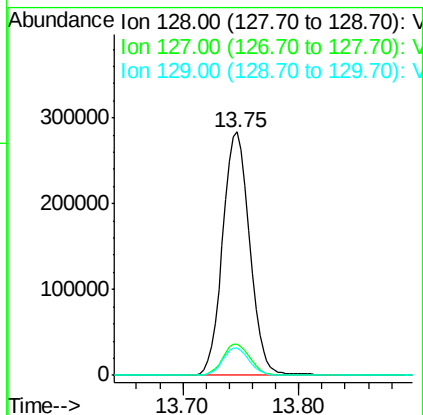
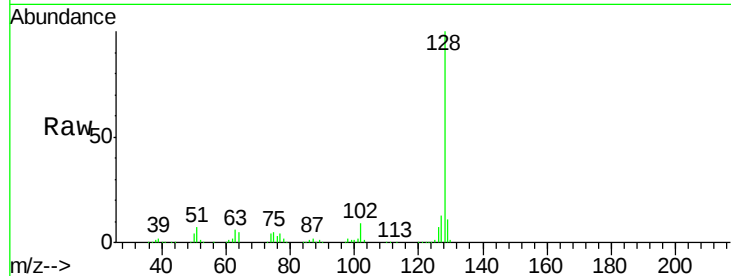
#95
Naphthalene
Concen: 50.08 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.3	12.5

Manual Integrations
APPROVED

apatel
7/12/2018 11:19:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.65 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	31.0	15.6	46.8

