

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

Quant Time: Jul 11 01:59:06 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	R.T.	QIon	Response	Conc	Units	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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 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)
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	174337	67.55	ug/l	82
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	10.50	75	174337	175.93	ug/l #	100
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

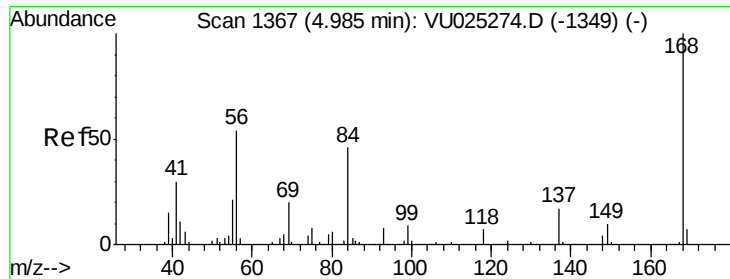
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :

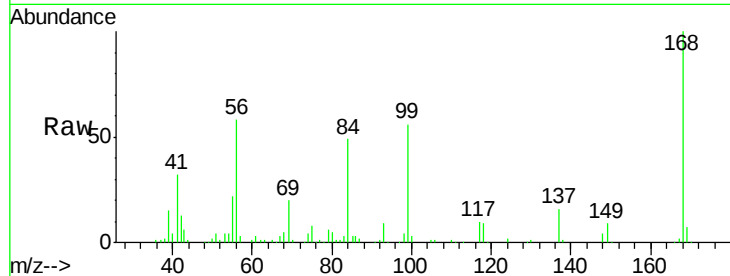
VSTDCCC050

Tot Ion:168 Resp: 147081

Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

60000

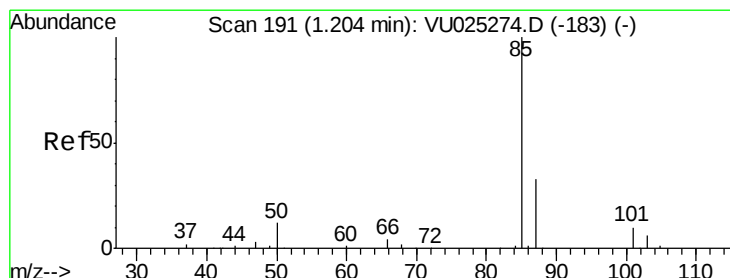
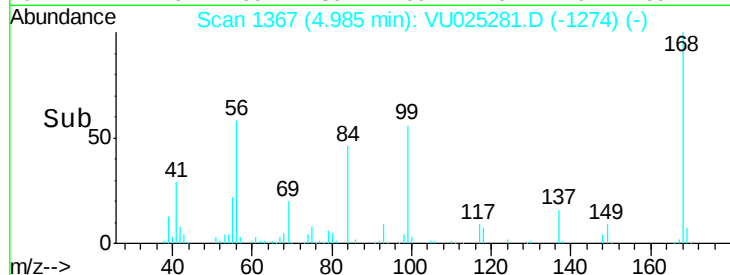
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.58 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025281.D

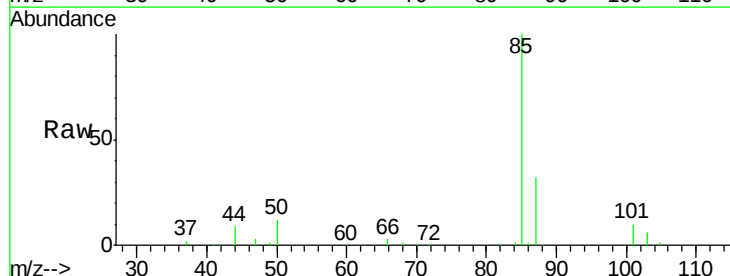
Acq: 10 Jul 2018 11:33

Tgt Ion: 85 Resp: 69372

Ion Ratio Lower Upper

85 100

87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

60000

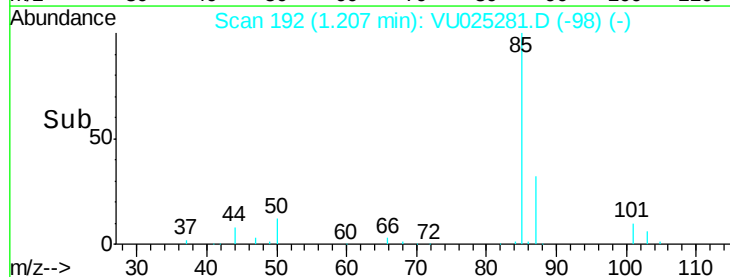
40000

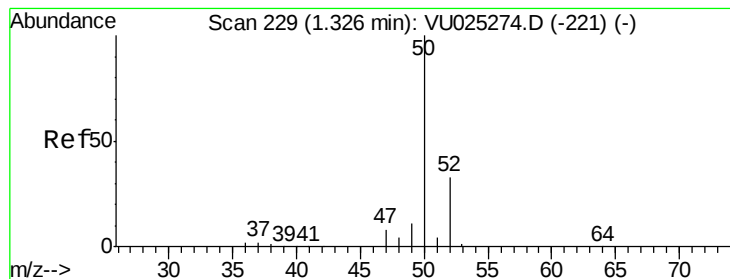
20000

0

1.15 1.20 1.25

Time-->





#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 :

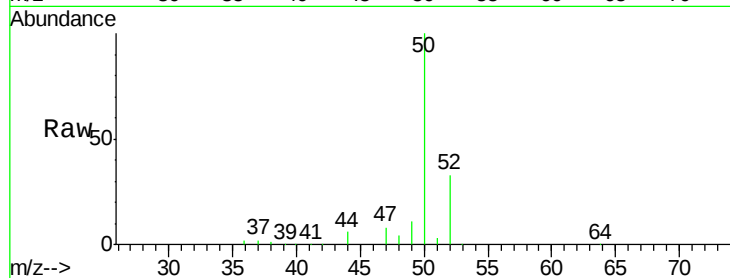
VSTDCCC050

Tot Ion: 50 Resp: 69249

Ion Ratio Lower Upper

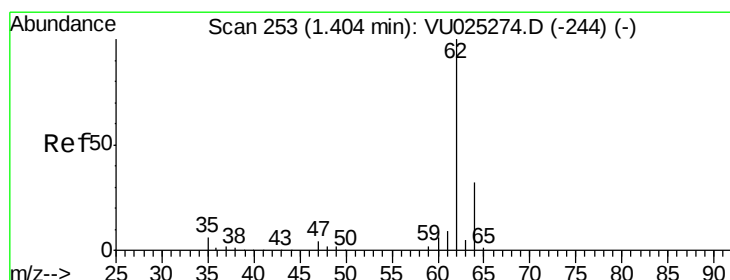
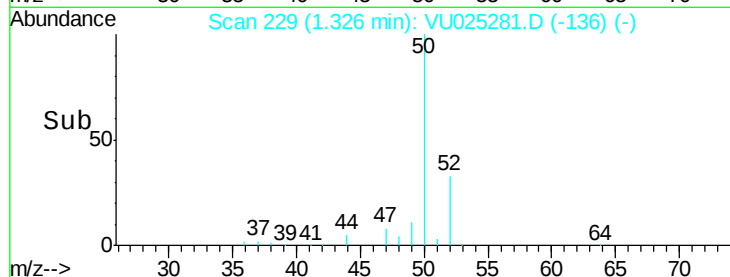
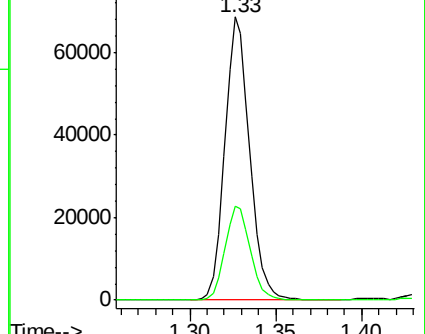
50 100

52 33.3 26.5 39.7



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

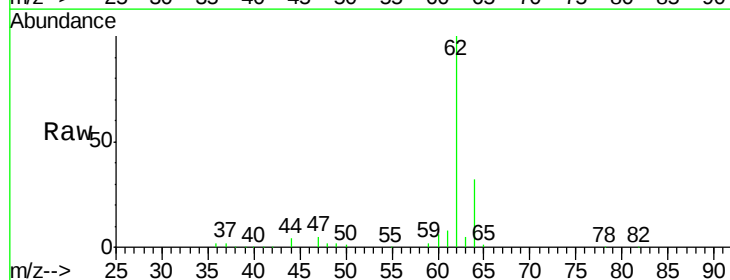
Acq: 10 Jul 2018 11:33

Tgt Ion: 62 Resp: 75665

Ion Ratio Lower Upper

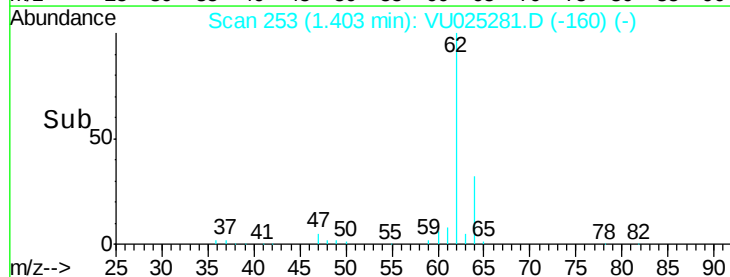
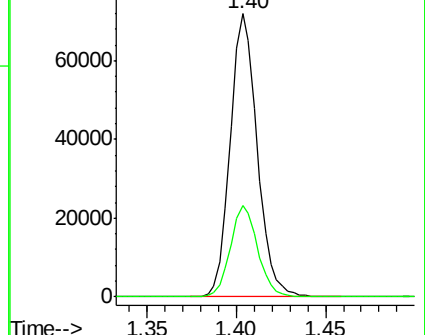
62 100

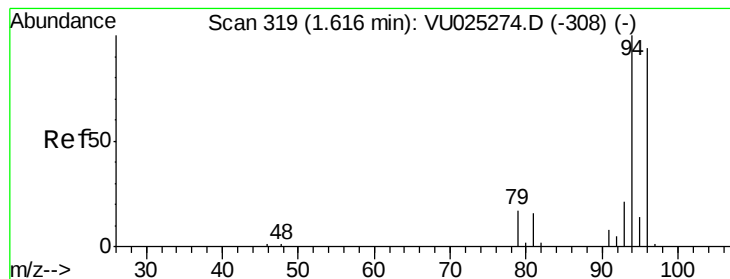
64 32.2 25.4 38.0



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 :

MSVOA_U

ClientSampleId :

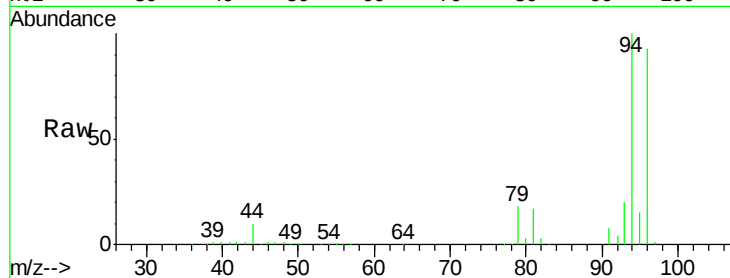
VSTDCCC050

Tot Ion: 94 Resp: 50969

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4

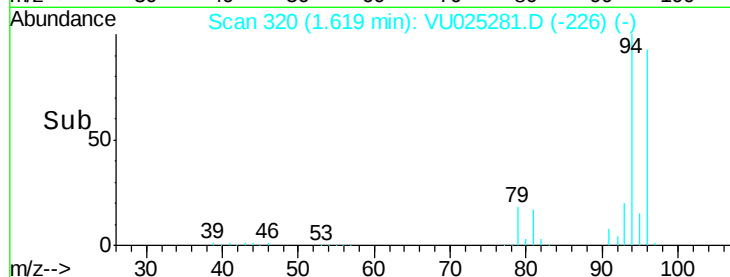


Abundance Ion 93.90 (93.60 to 94.60): VU025281.D (-226) (-)

Ion 95.90 (95.60 to 96.60): VU025281.D (-226) (-)

1.62

Time-->



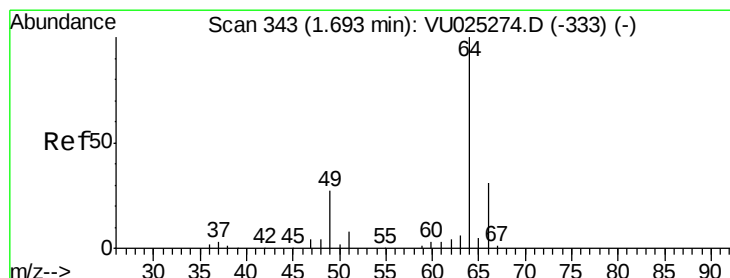
Abundance

Ion 93.90 (93.60 to 94.60): VU025281.D (-226) (-)

Ion 95.90 (95.60 to 96.60): VU025281.D (-226) (-)

1.62

Time-->



#6

Chloroethane

Concen: 47.19 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025281.D

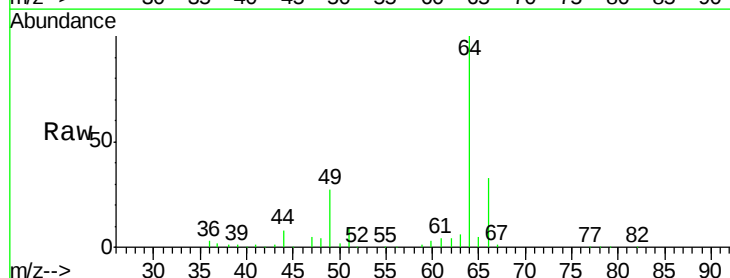
Acq: 10 Jul 2018 11:33

Tgt Ion: 64 Resp: 50180

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4

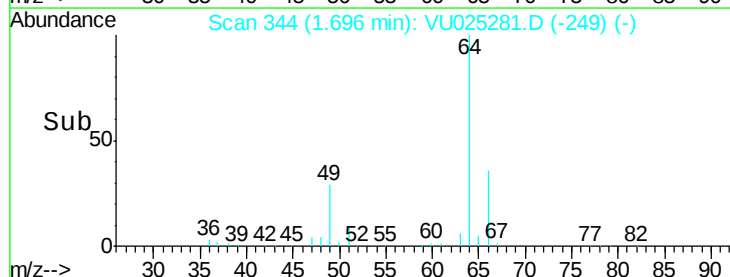


Abundance Ion 63.90 (63.60 to 64.60): VU025281.D (-249) (-)

Ion 65.90 (65.60 to 66.60): VU025281.D (-249) (-)

1.70

Time-->



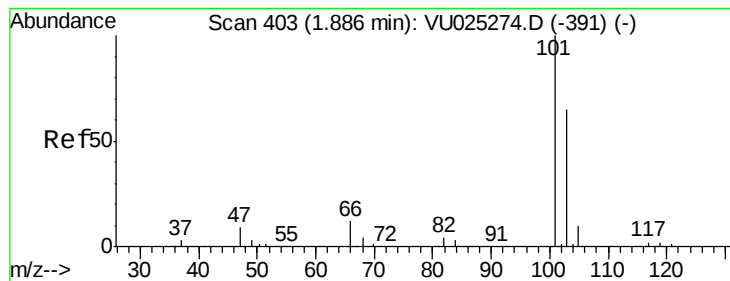
Abundance

Ion 63.90 (63.60 to 64.60): VU025281.D (-249) (-)

Ion 65.90 (65.60 to 66.60): VU025281.D (-249) (-)

1.70

Time-->



#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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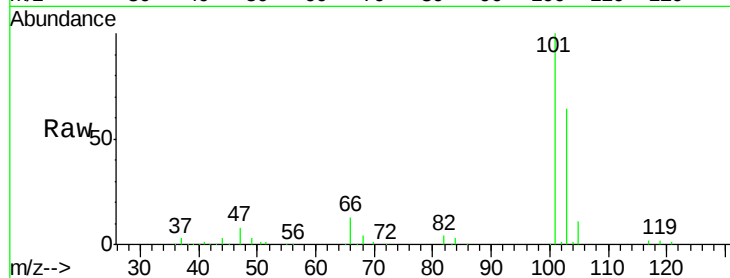
VSTDCCC050

Tot Ion:101 Resp: 124702

Ion Ratio Lower Upper

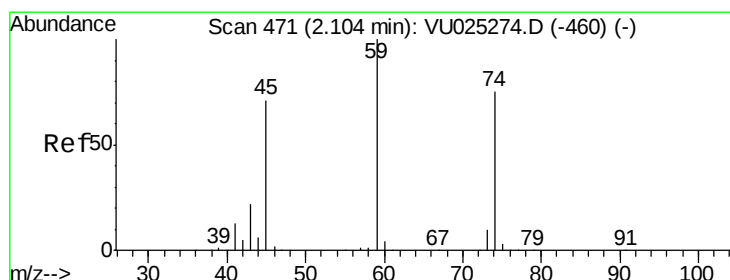
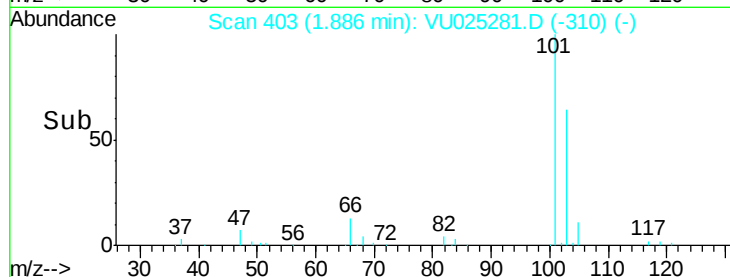
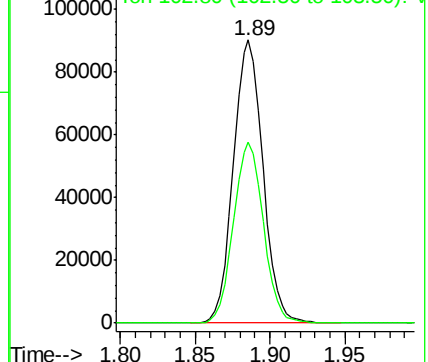
101 100

103 63.8 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.90 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025281.D

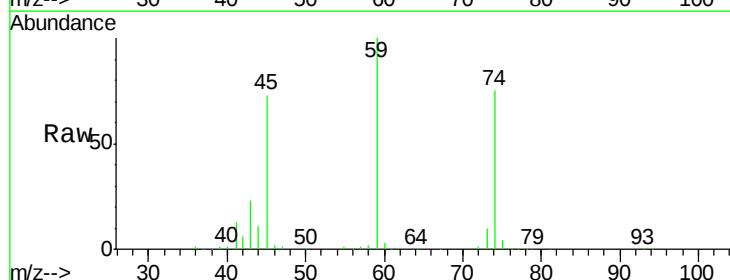
Acq: 10 Jul 2018 11:33

Tgt Ion: 74 Resp: 47251

Ion Ratio Lower Upper

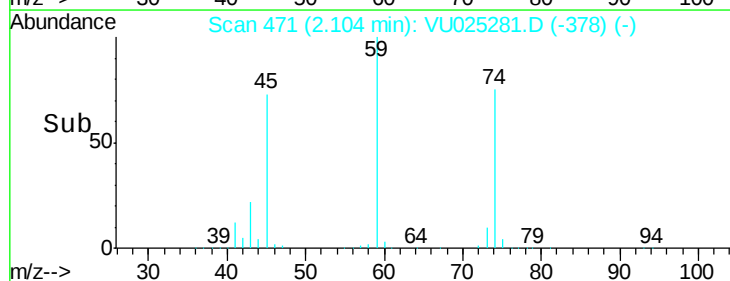
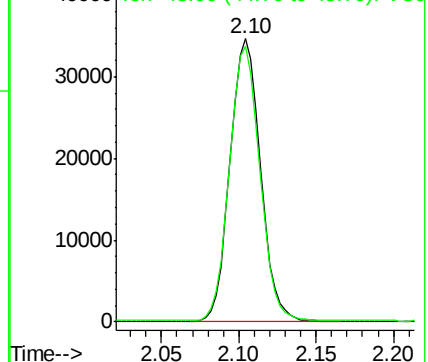
74 100

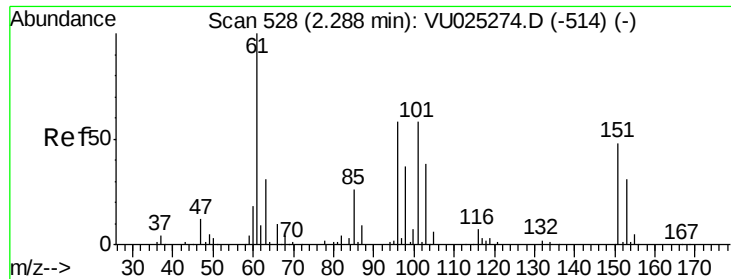
45 96.2 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#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

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

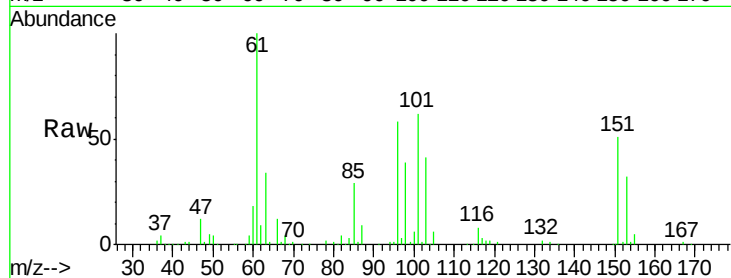
Tot Ion:101 Resp: 79644

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

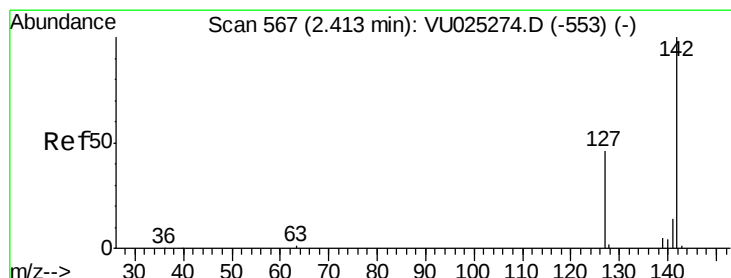
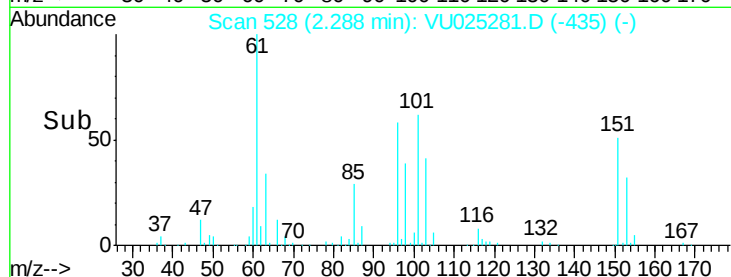
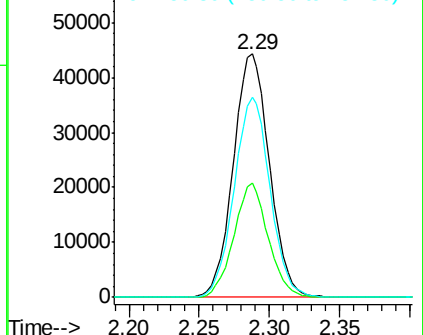
151 81.7 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#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

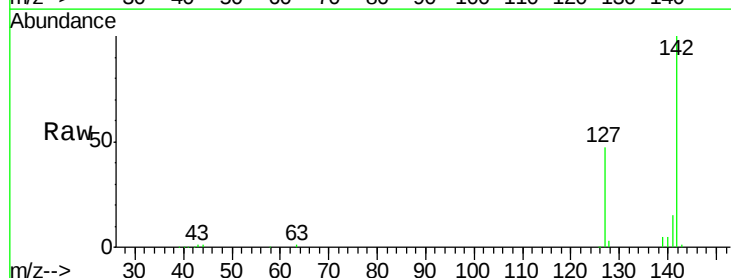
Tgt Ion:142 Resp: 78298

Ion Ratio Lower Upper

142 100

127 47.0 36.5 54.7

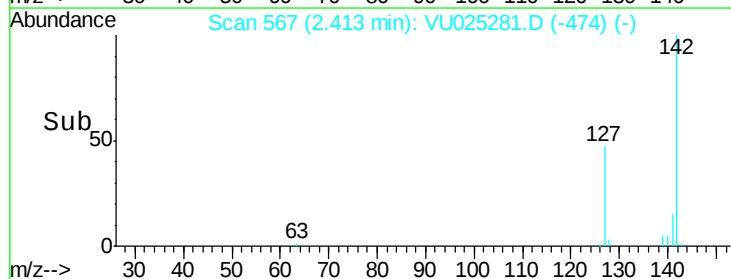
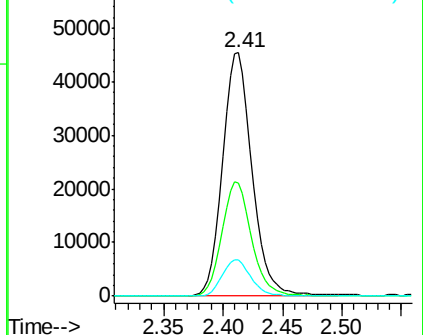
141 14.4 11.4 17.2

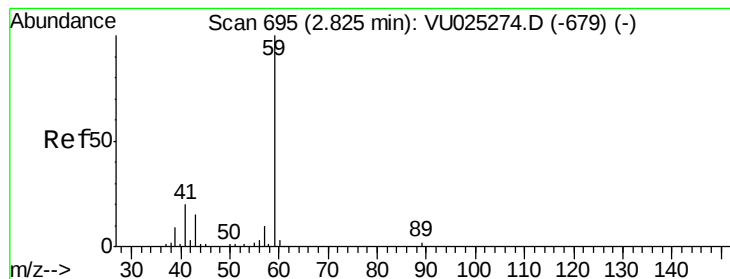


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



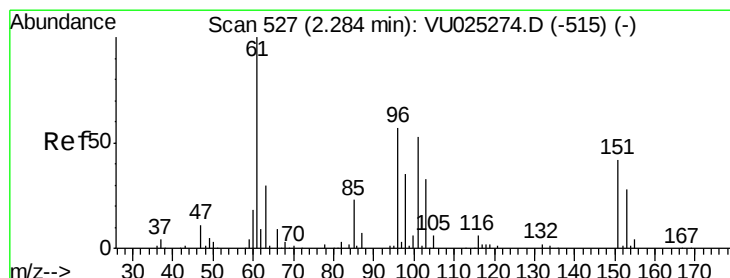
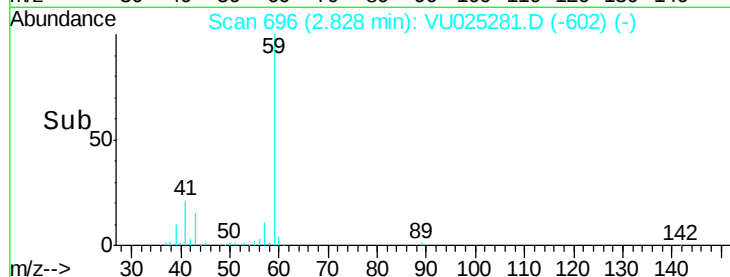
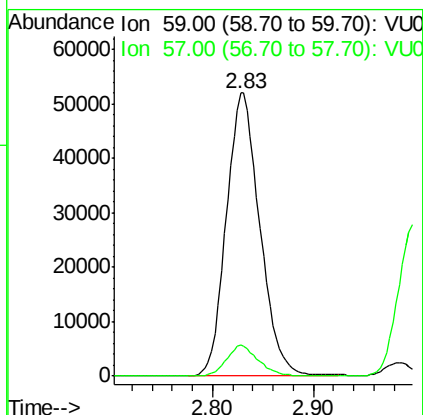
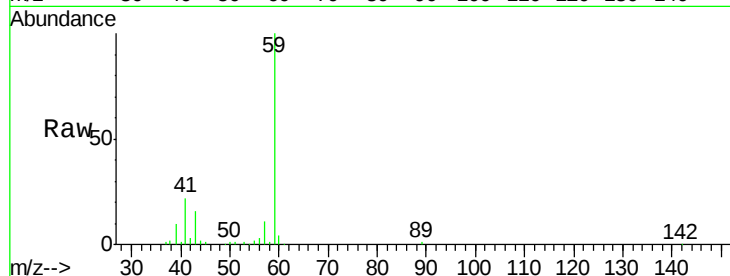


#11

Tert butyl alcohol
 Concen: 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

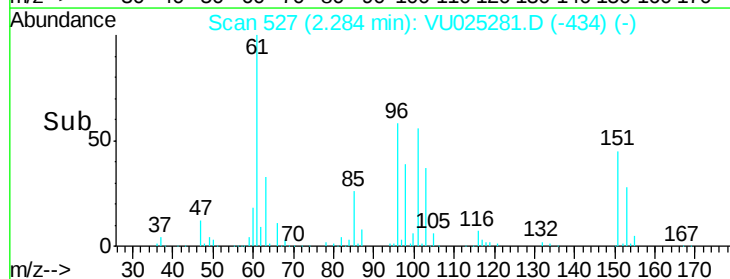
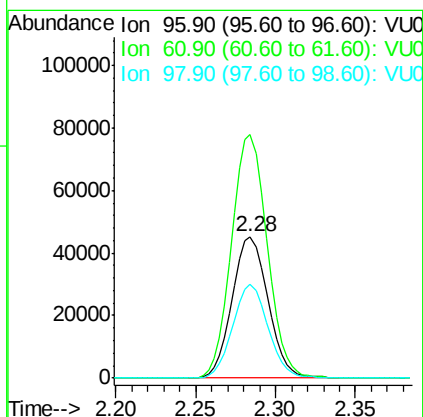
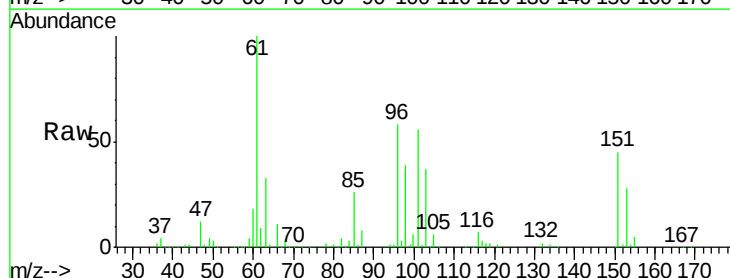
Tot Ion: 59 Resp: 120510
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

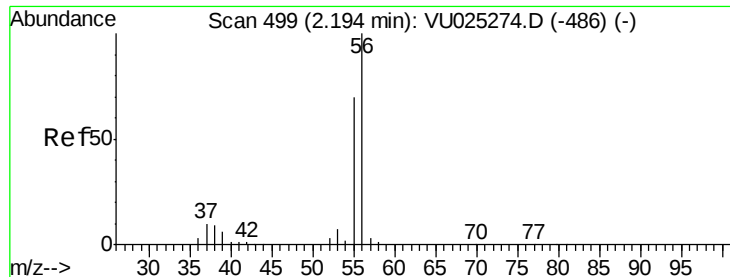


#12

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 Lower Upper
 96 100
 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 :

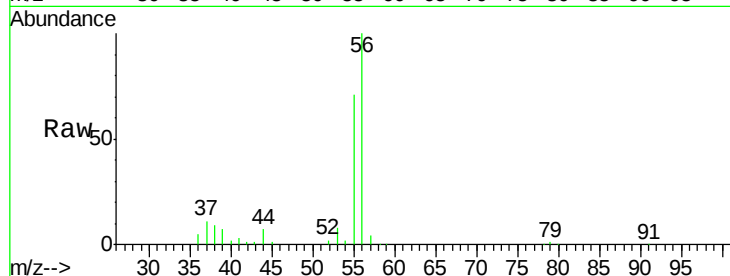
VSTDCCC050

Tot Ion: 56 Resp: 49564

Ion Ratio Lower Upper

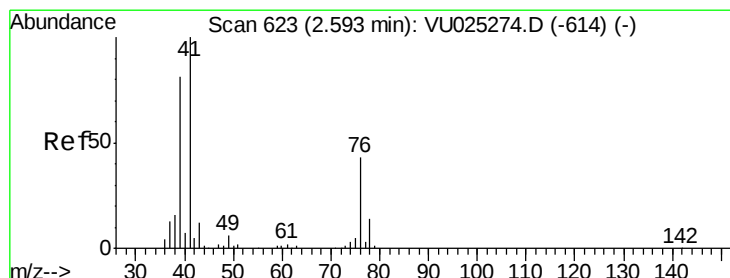
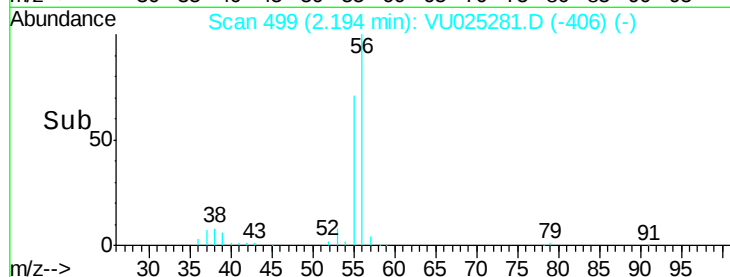
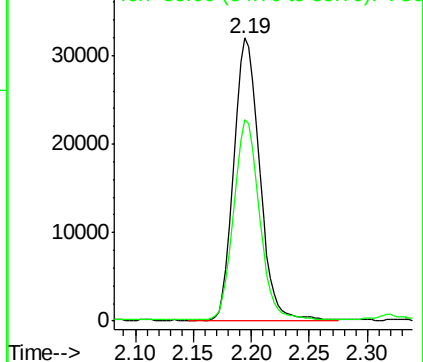
56 100

55 69.3 57.2 85.8



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

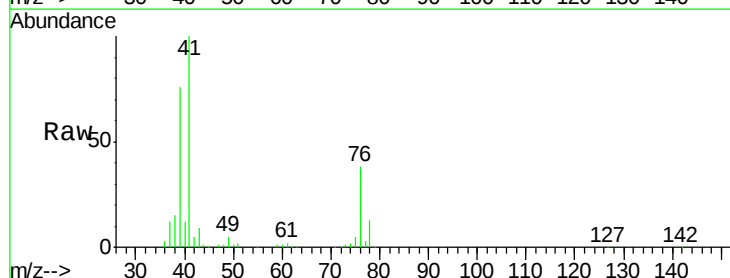
Tgt Ion: 41 Resp: 123845

Ion Ratio Lower Upper

41 100

39 75.7 60.6 91.0

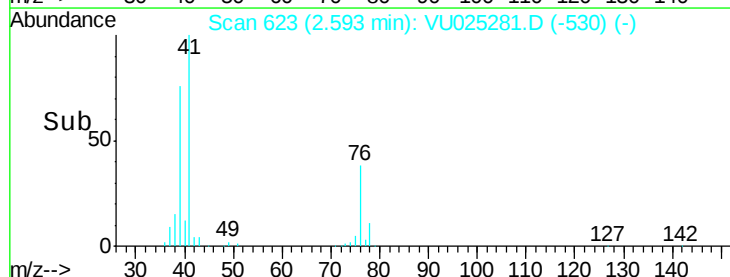
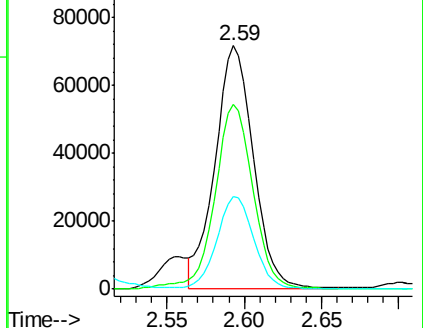
76 36.8 30.5 45.7

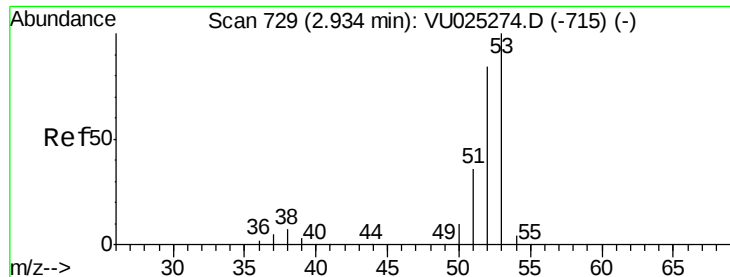


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

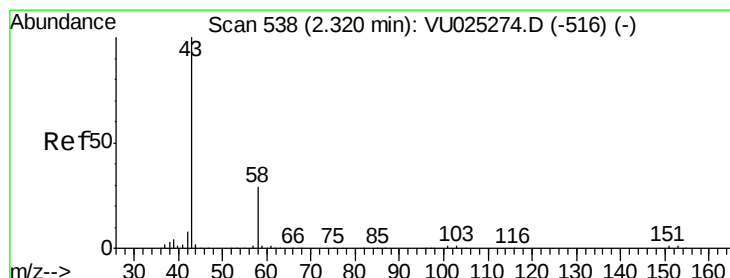
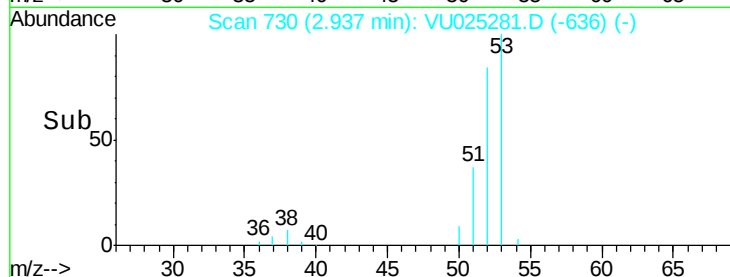
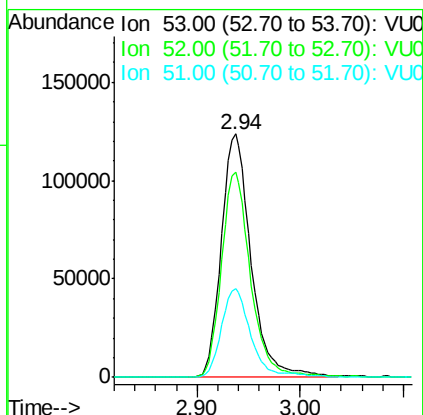
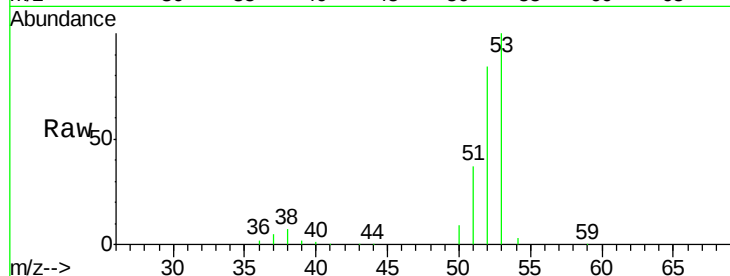




#15
 Acrylonitrile
 Concen: 242.29 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

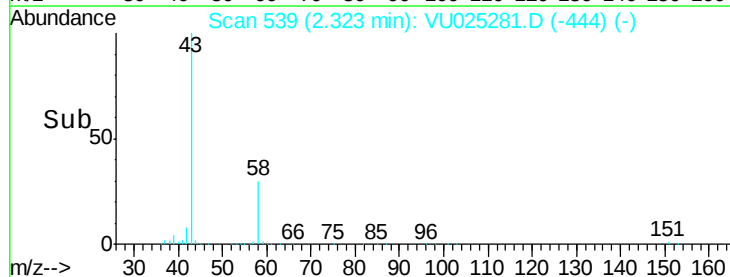
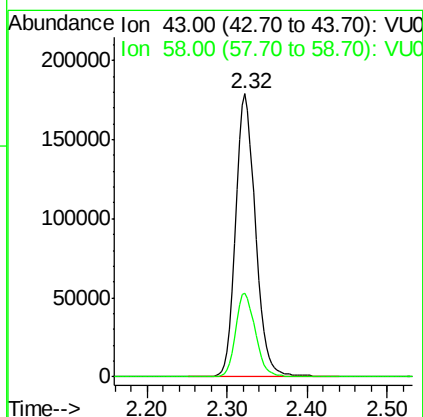
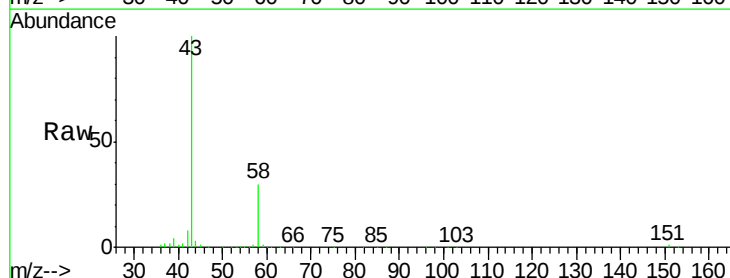
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

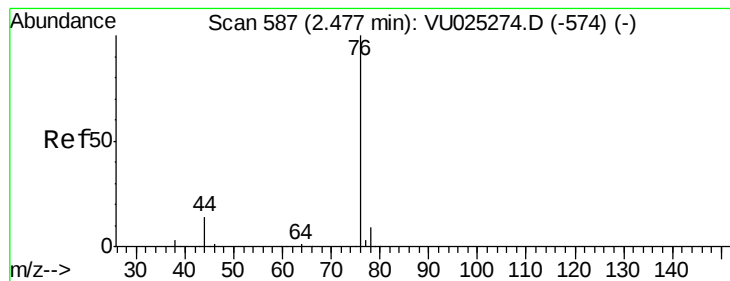
Tot Ion: 53 Resp: 248317
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.6 99.8
 51 36.4 29.4 44.2



#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 :

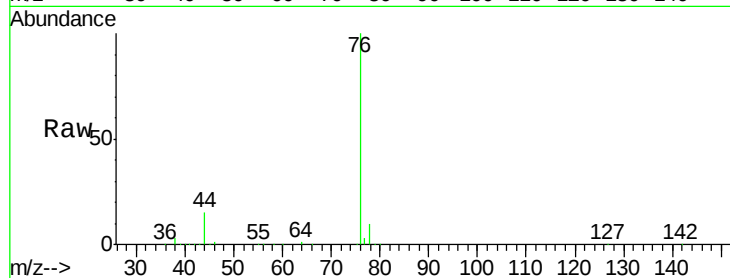
VSTDCCC050

Tot Ion: 76 Resp: 186967

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

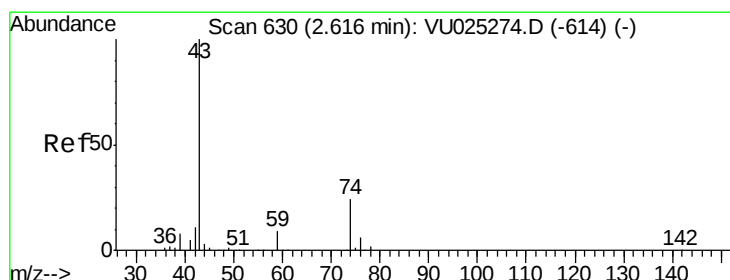
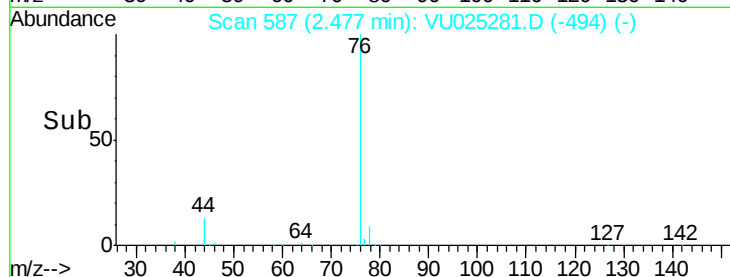
2.48

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.22 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025281.D

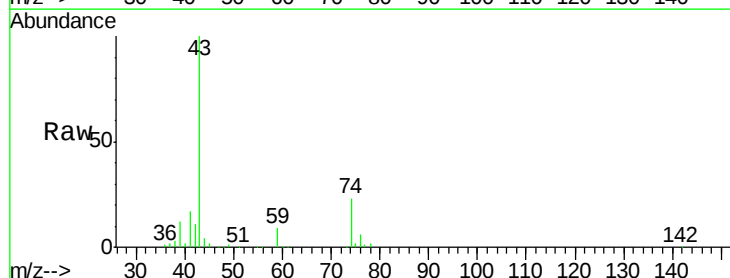
Acq: 10 Jul 2018 11:33

Tgt Ion: 43 Resp: 117495

Ion Ratio Lower Upper

43 100

74 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

80000

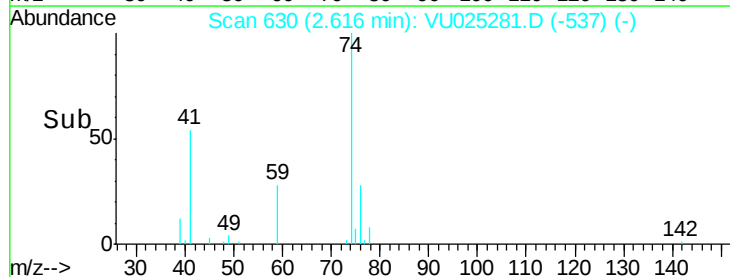
60000

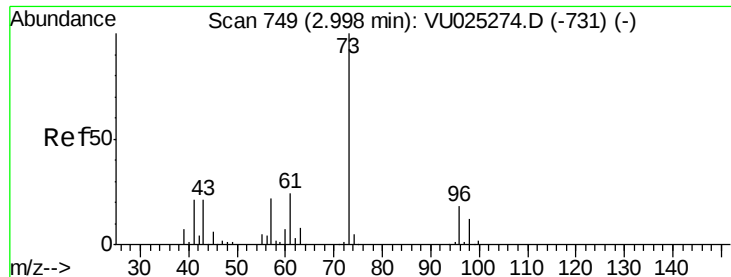
40000

20000

0

Time-->

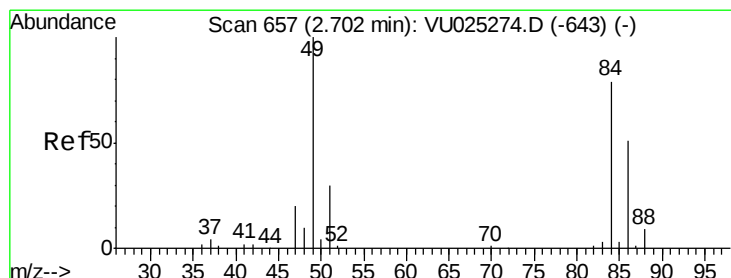
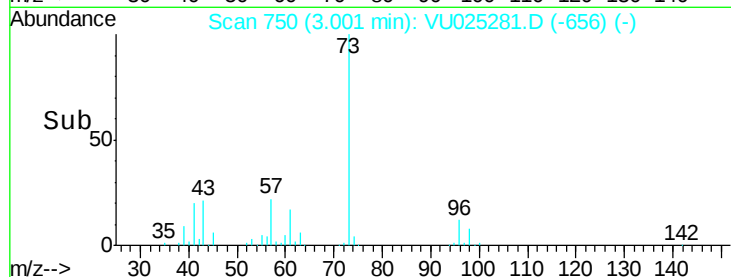
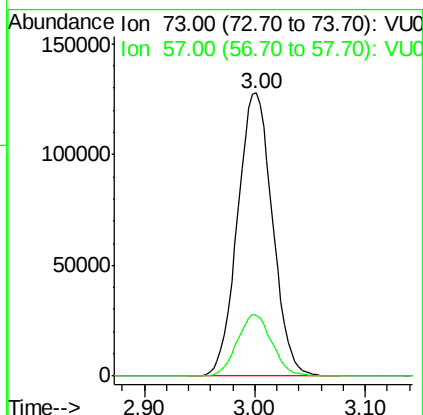
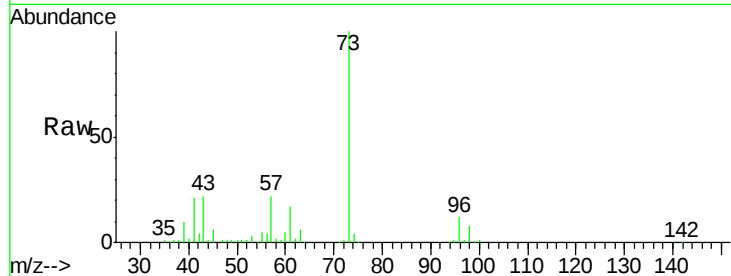




#19
Methyl tert-butyl Ether
Concen: 49.54 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

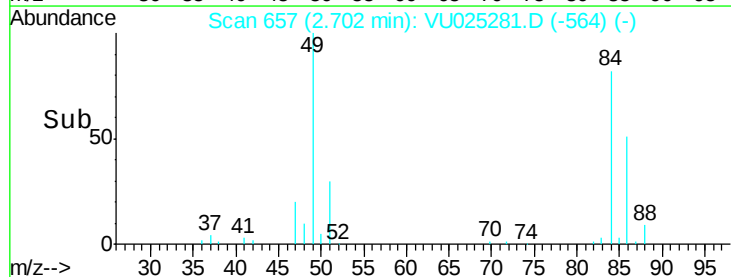
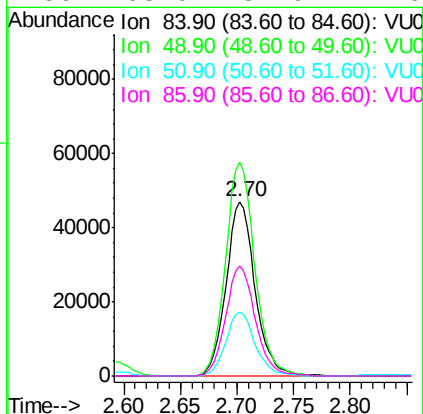
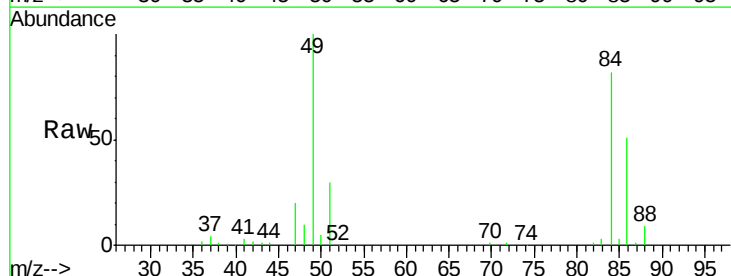
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

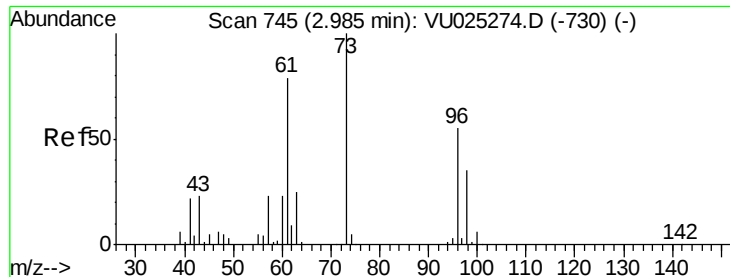
Tot Ion: 73 Resp: 280965
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#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: 84 Resp: 83542
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

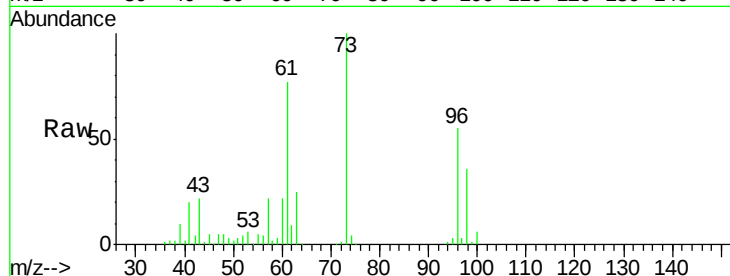
Tot Ion: 96 Resp: 77146

Ion Ratio Lower Upper

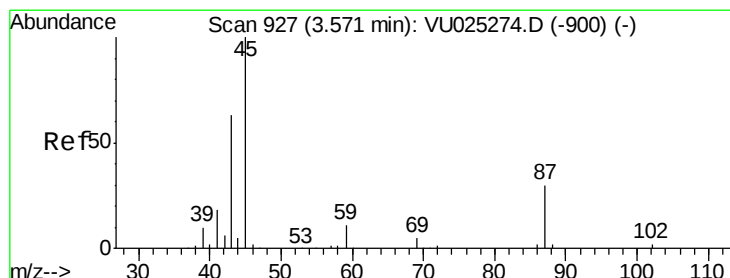
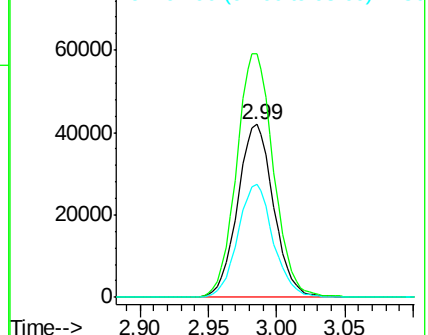
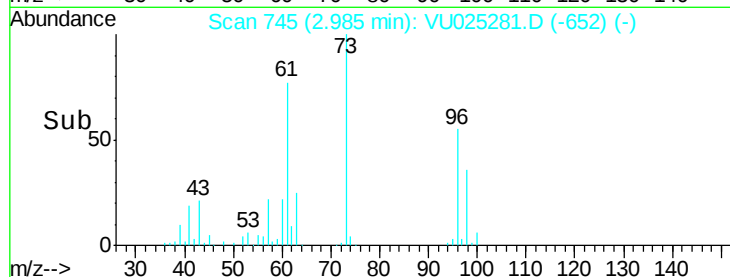
96 100

61 140.8 114.5 171.7

98 65.3 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025281.D (-652) (-)



#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

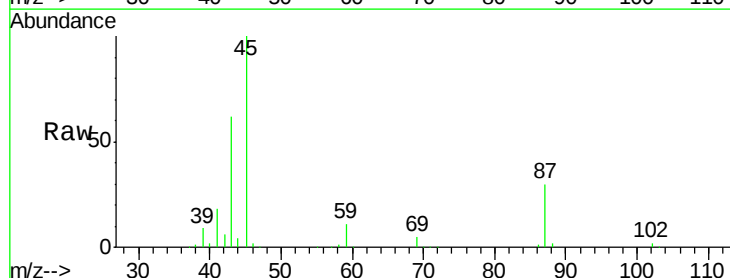
Ion Ratio Lower Upper

45 100

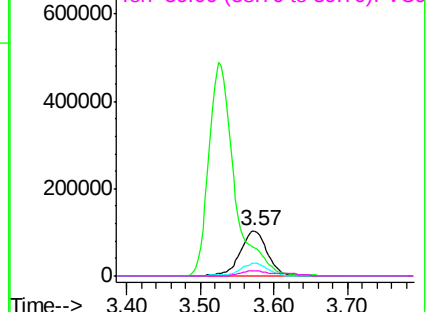
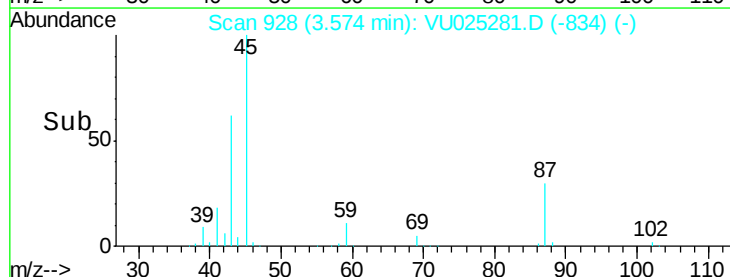
43 61.3 50.9 76.3

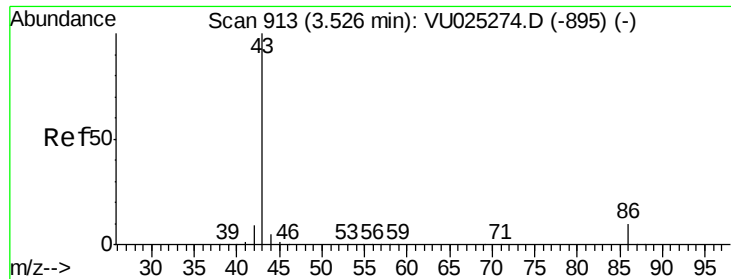
87 29.5 23.8 35.8

59 11.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU025281.D (-834) (-)





#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

Instrument :

MSVOA_U

ClientSampled :

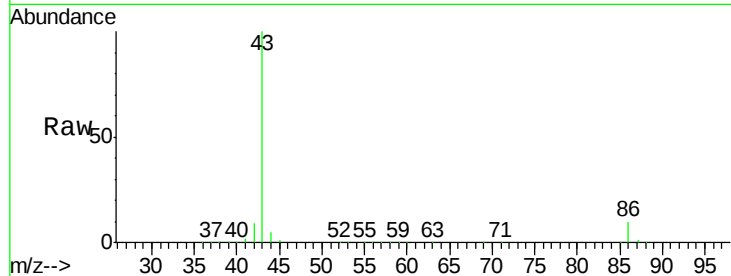
VSTDCCC050

Tot Ion: 43 Resp: 1185001

Ion Ratio Lower Upper

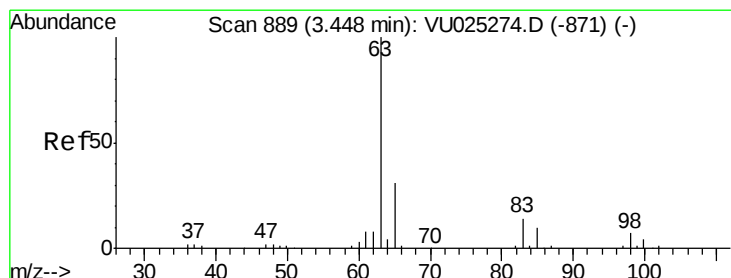
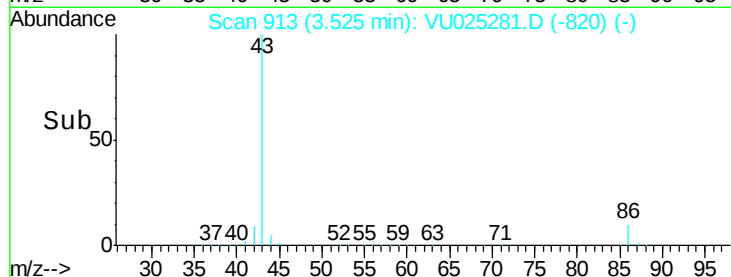
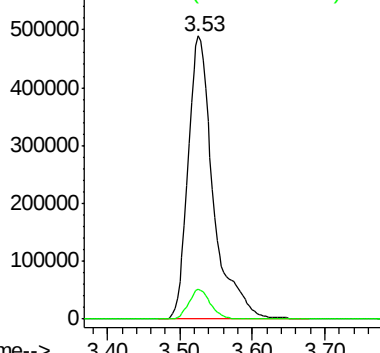
43 100

86 10.4 8.2 12.2



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

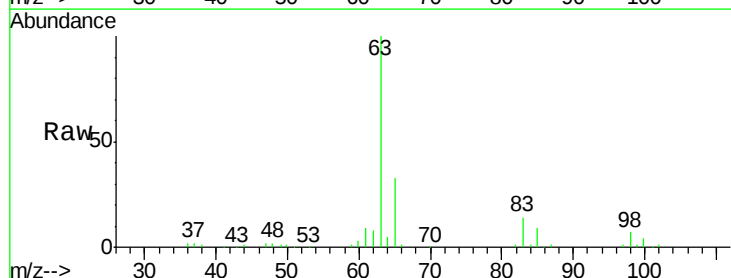
Tgt Ion: 63 Resp: 150915

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

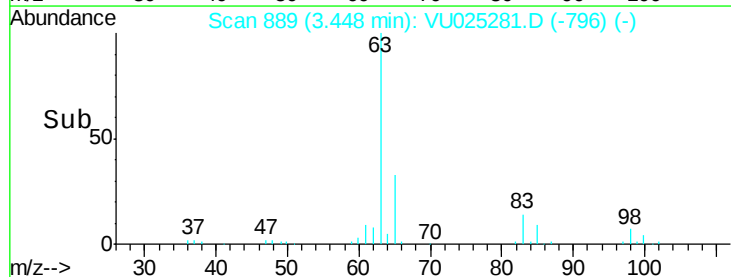
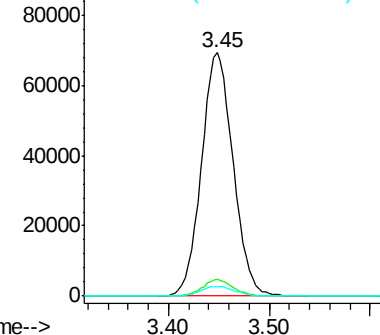
100 3.8 2.0 6.0

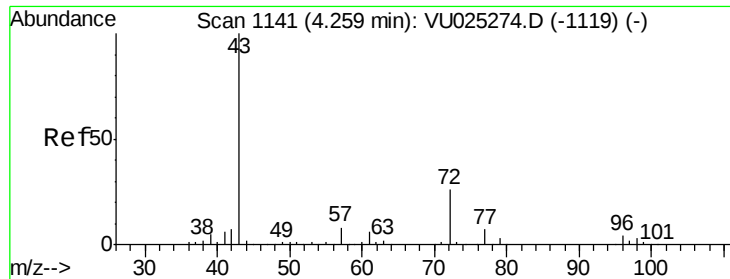


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

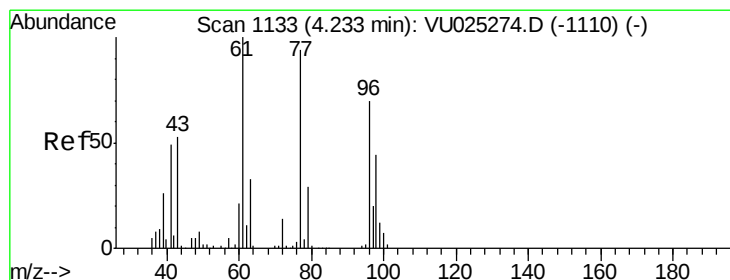
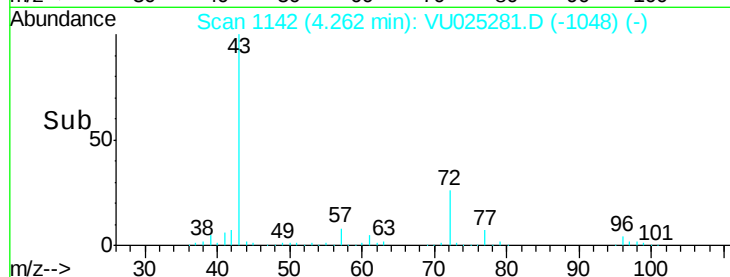
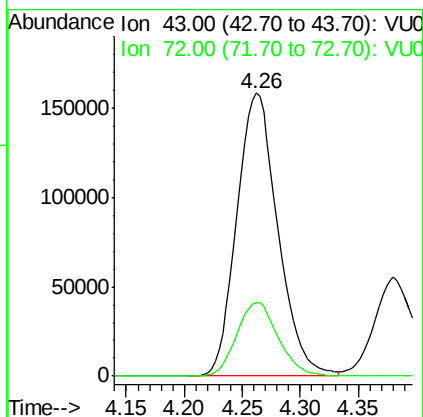
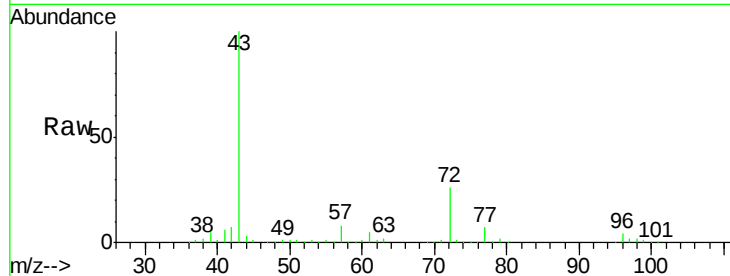




#25
2-Butanone
Concen: 245.91 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

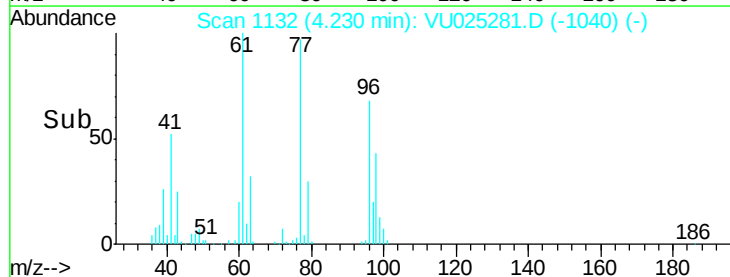
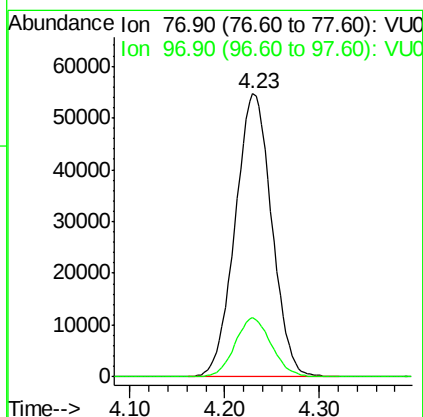
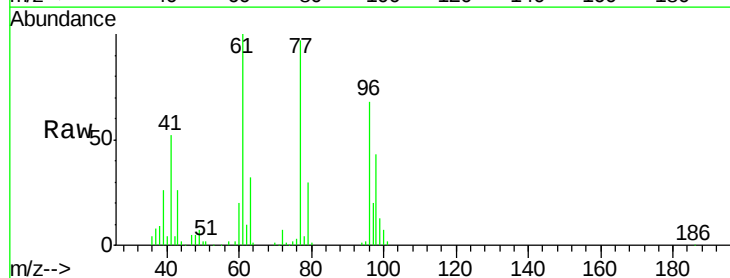
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

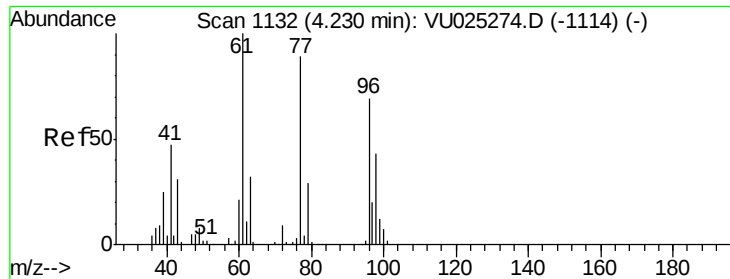
Tot Ion: 43 Resp: 389485
Ion Ratio Lower Upper
43 100
72 25.9 21.0 31.4



#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

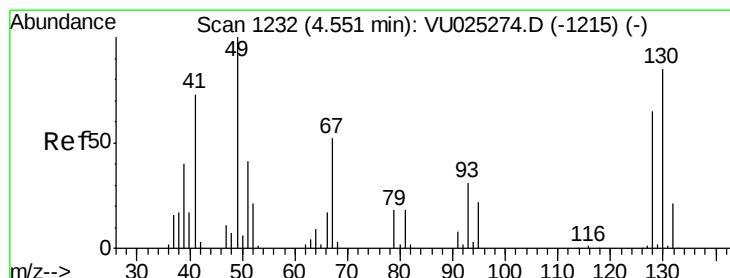
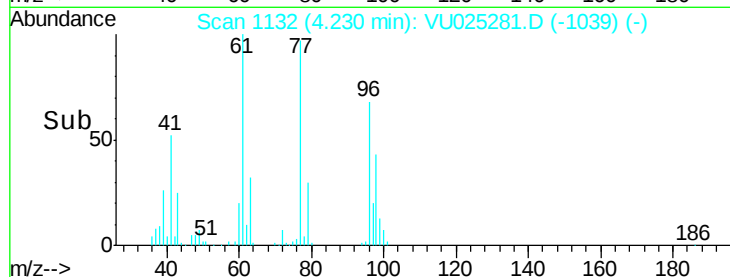
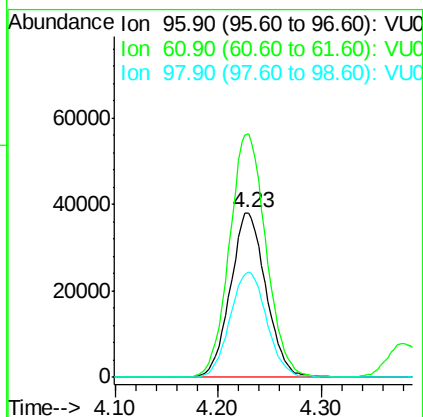
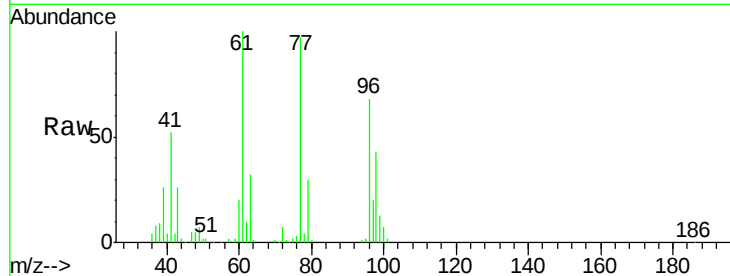




#27
 cis-1,2-Dichloroethene
 Concen: 46.38 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

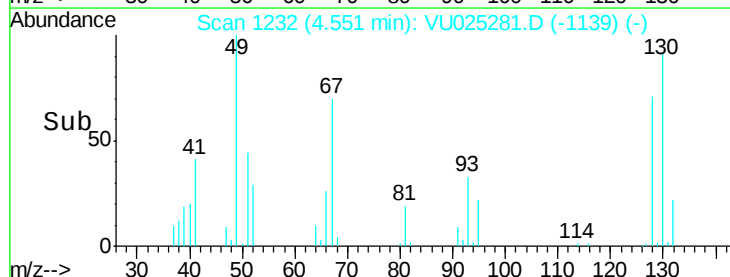
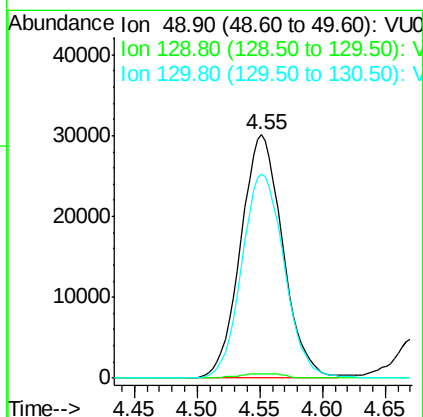
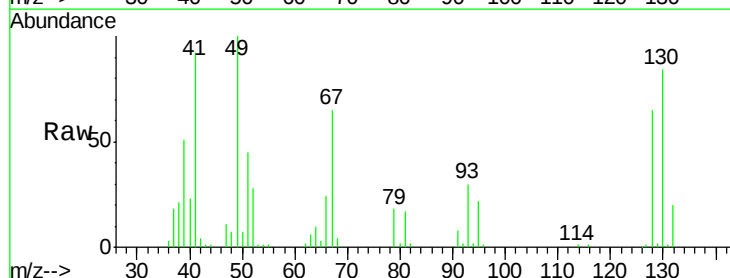
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

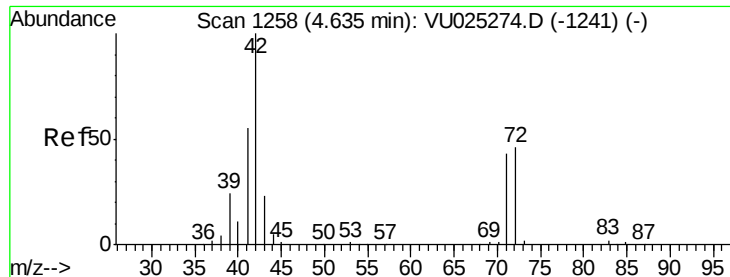
Tot Ion: 96 Resp: 91421
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 299.8
 98 65.9 0.0 128.6



#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

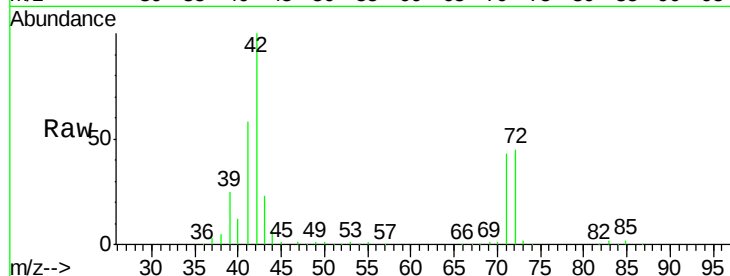
Tot Ion: 42 Resp: 225354

Ion Ratio Lower Upper

42 100

72 46.2 36.7 55.1

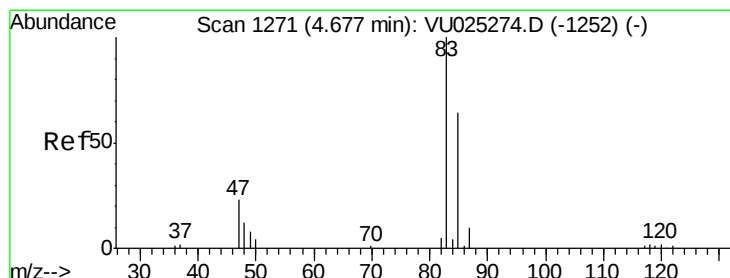
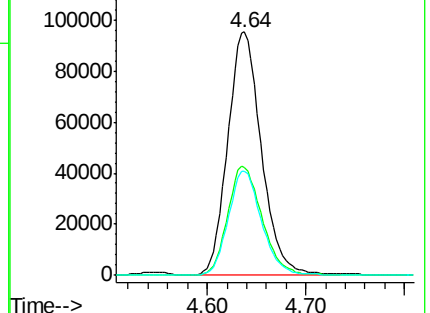
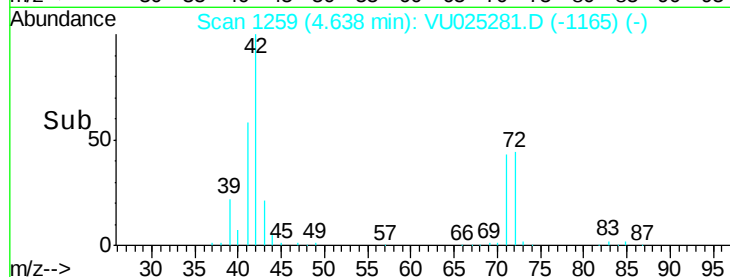
71 42.6 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 49.21 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025281.D

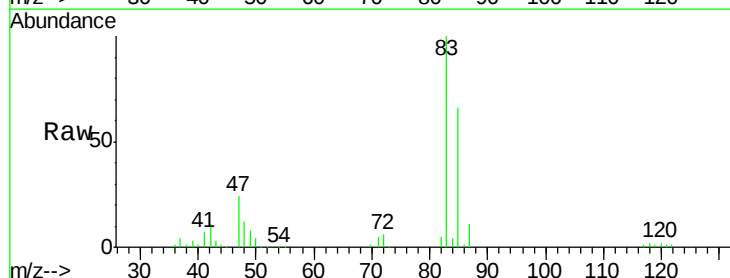
Acq: 10 Jul 2018 11:33

Tgt Ion: 83 Resp: 162303

Ion Ratio Lower Upper

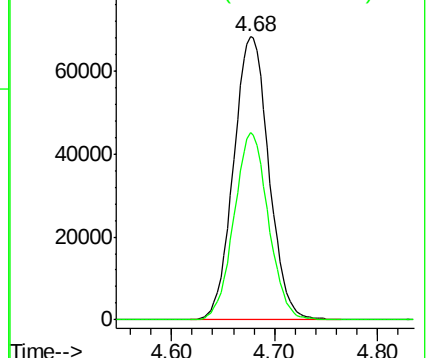
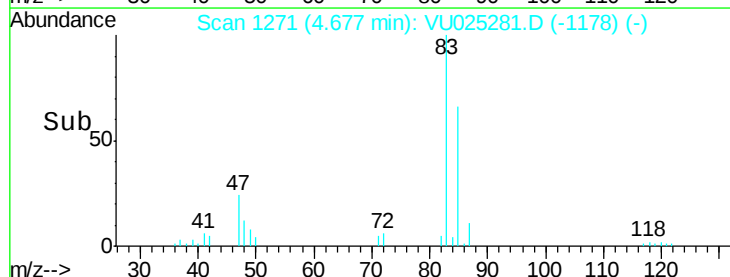
83 100

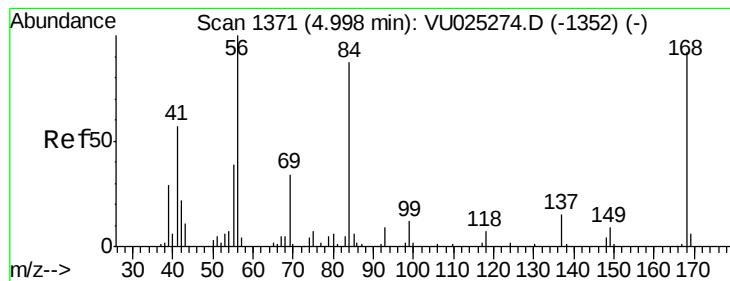
85 66.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#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

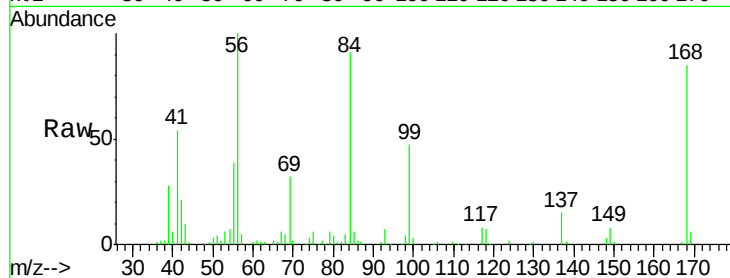
Tot Ion: 56 Resp: 132886

Ion Ratio Lower Upper

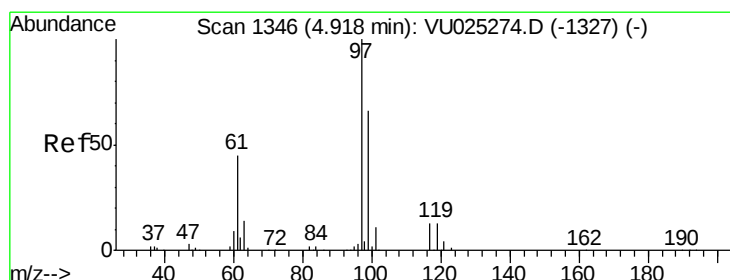
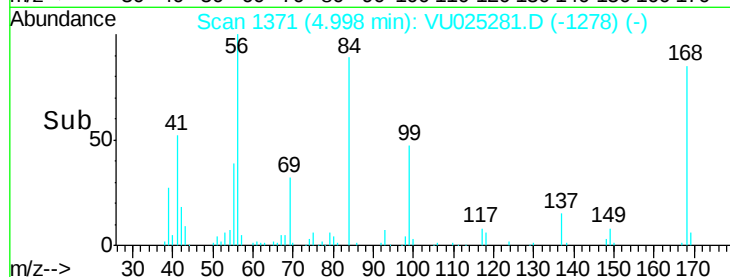
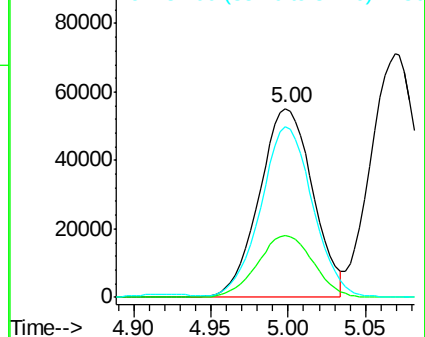
56 100

69 32.4 26.8 40.2

84 89.6 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 49.03 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025281.D

Acq: 10 Jul 2018 11:33

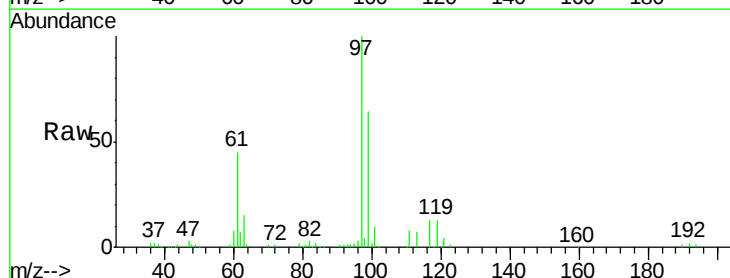
Tgt Ion: 97 Resp: 146539

Ion Ratio Lower Upper

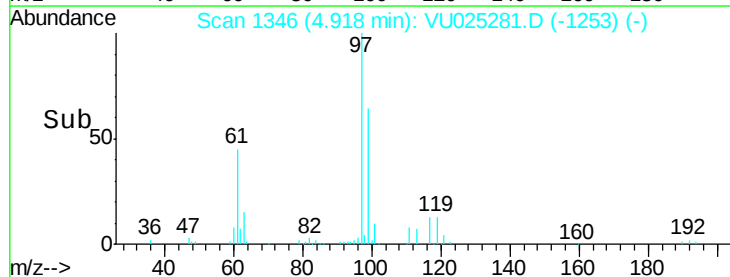
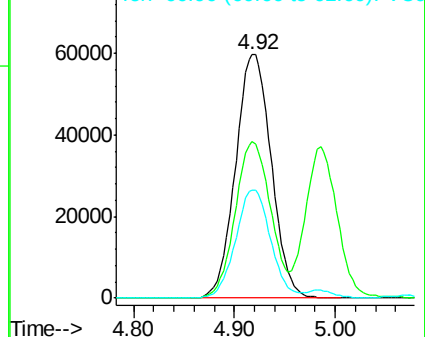
97 100

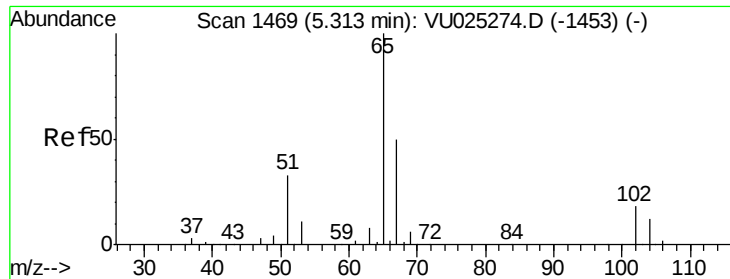
99 64.0 50.8 76.2

61 43.4 35.2 52.8



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

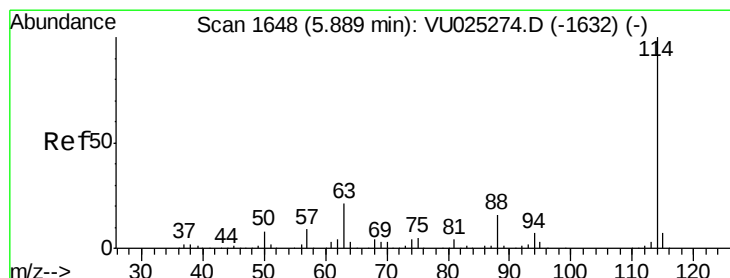
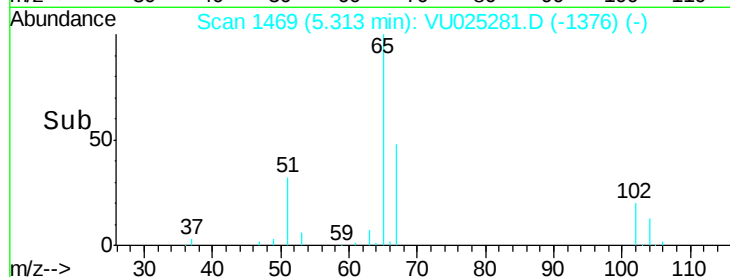
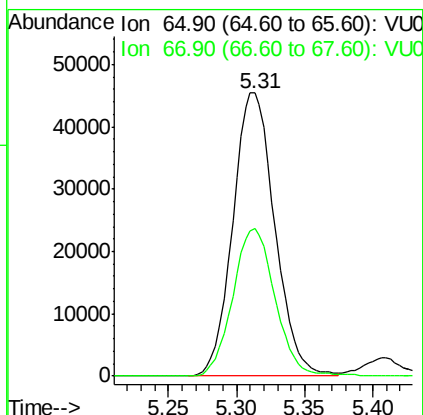
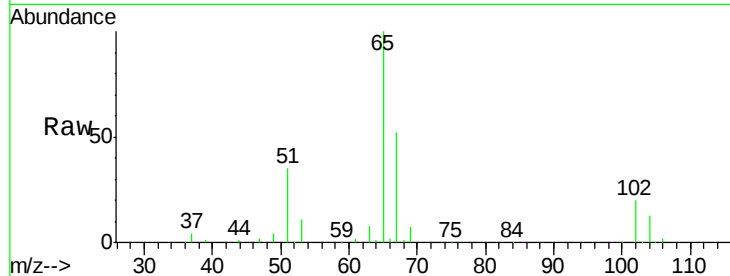




#33
 1,2-Dichloroethane-d4
 Concen: 42.46 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

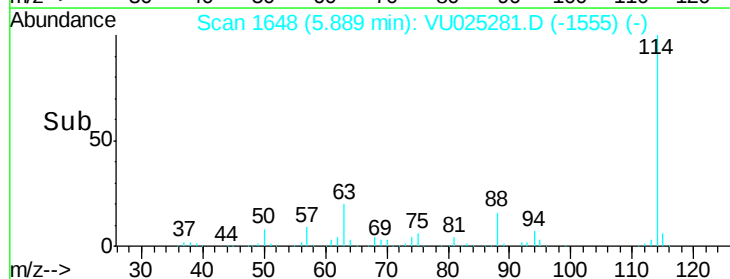
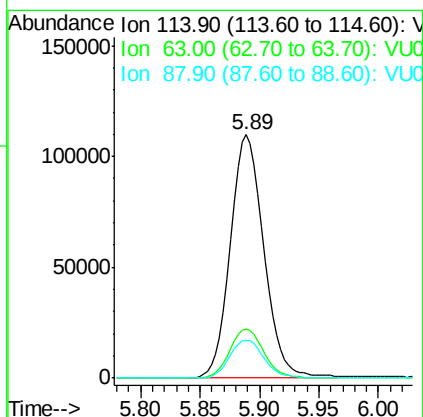
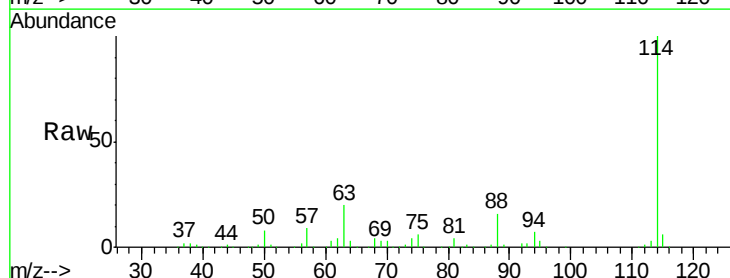
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

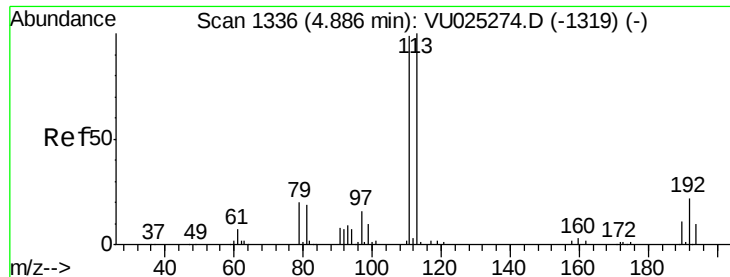
Tot Ion: 65 Resp: 97027
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#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: 114 Resp: 215096
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 15.6 0.0 32.4

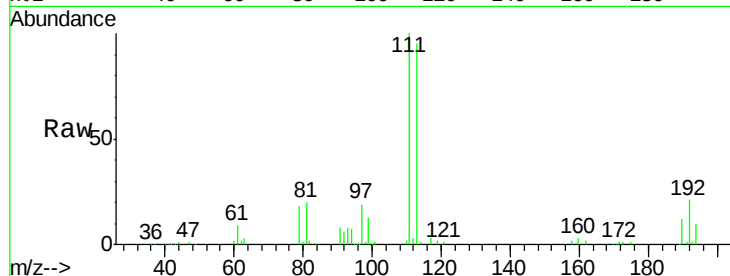




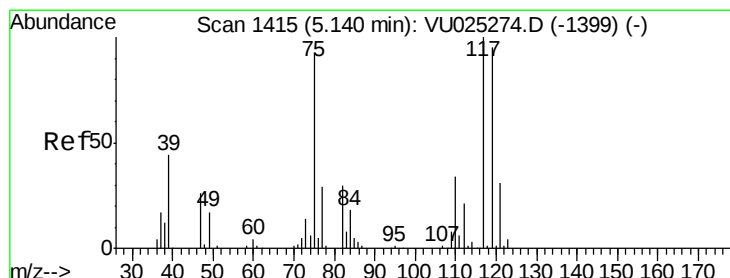
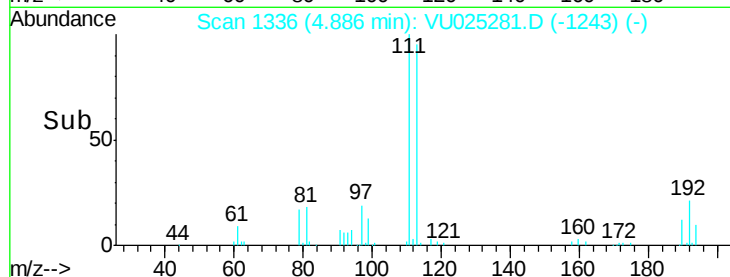
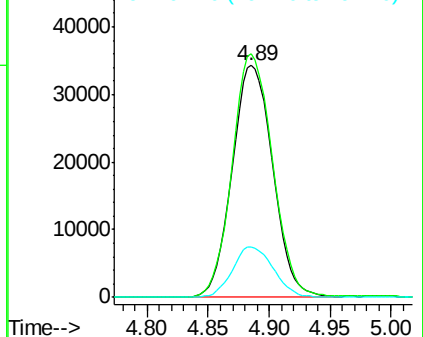
#35
 Dibromofluoromethane
 Concen: 43.73 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 79345
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.7 122.5
 192 21.9 17.1 25.7

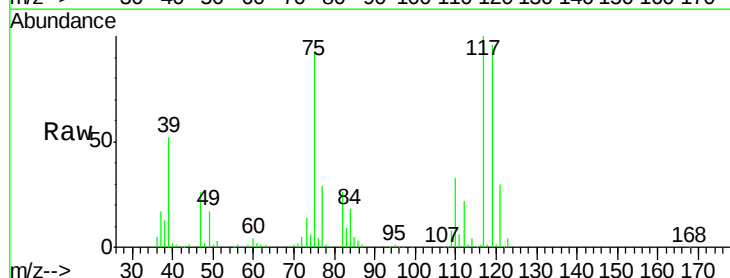


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

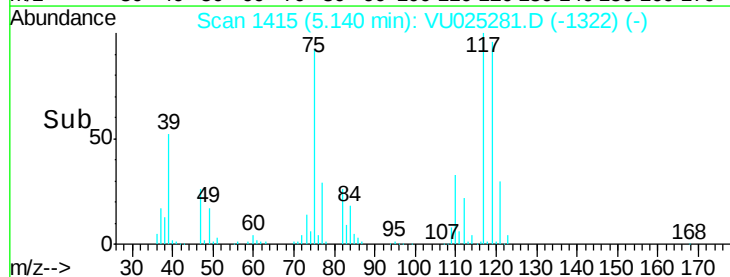
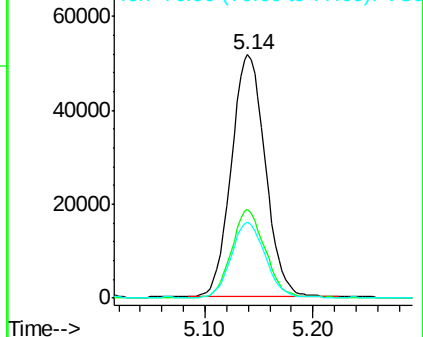


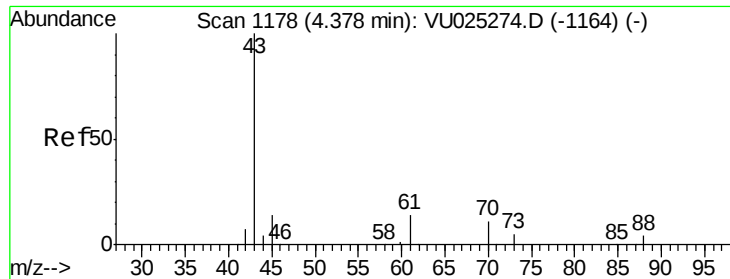
#36
 1,1-Dichloropropene
 Concen: 47.08 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

Tgt Ion: 75 Resp: 112589
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.6 52.9
 77 31.4 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

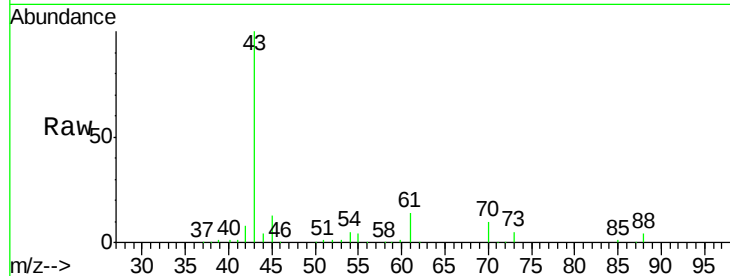




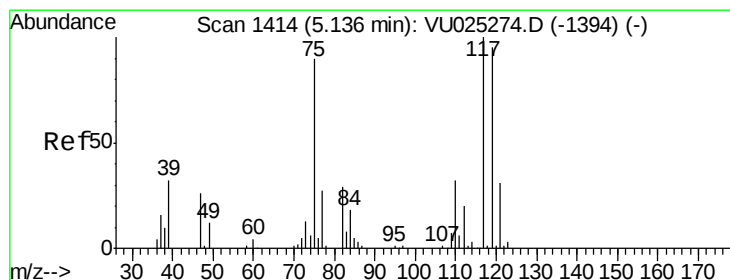
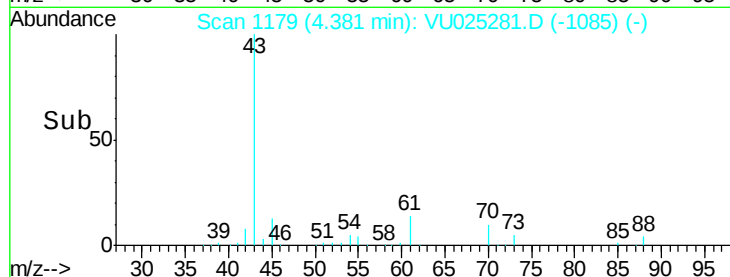
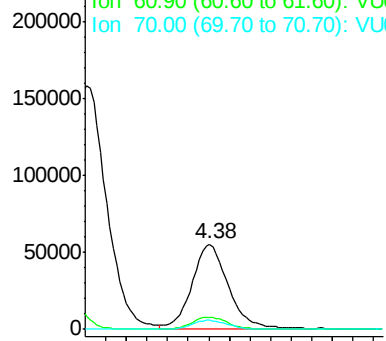
#37
Ethyl Acetate
Concen: 50.02 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 133396
Ion Ratio Lower Upper
43 100
61 14.5 10.7 16.1
70 10.7 8.4 12.6

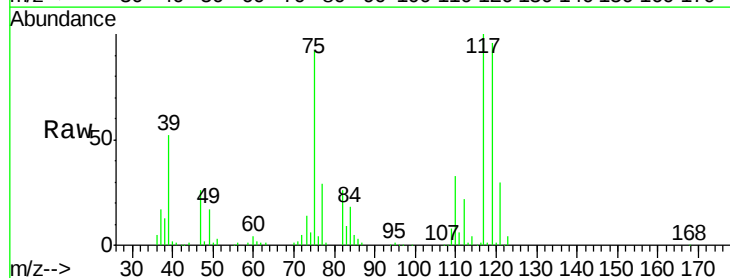


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

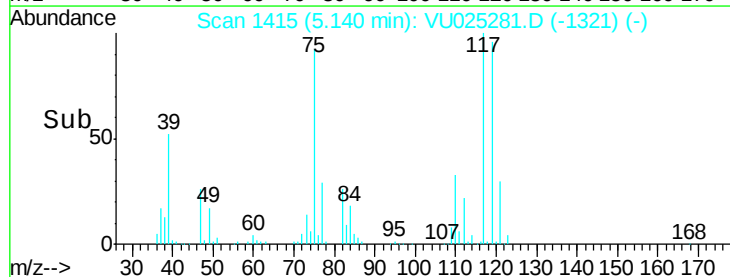
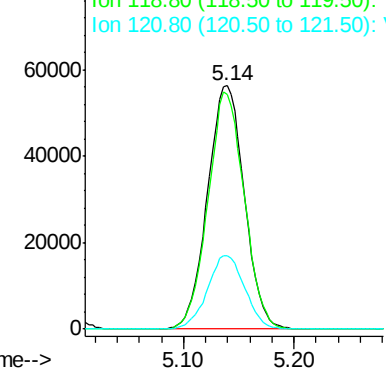


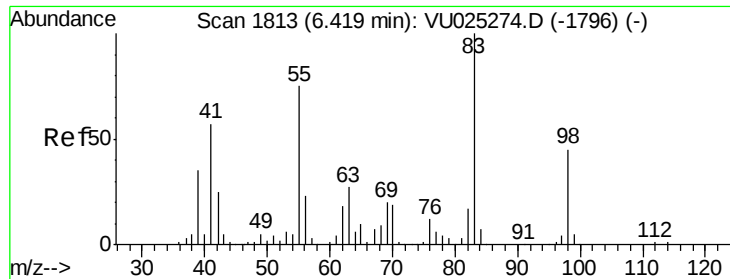
#38
Carbon Tetrachloride
Concen: 50.59 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion: 117 Resp: 130203
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 30.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

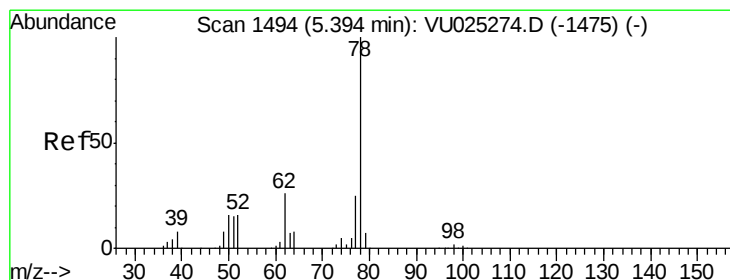
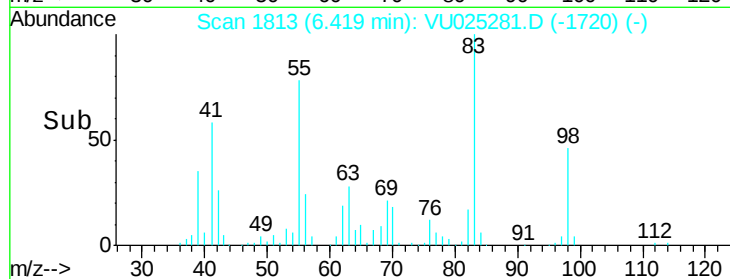
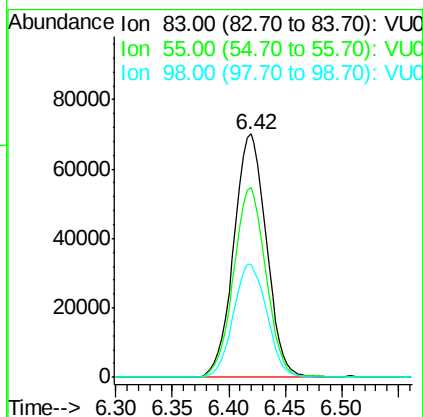
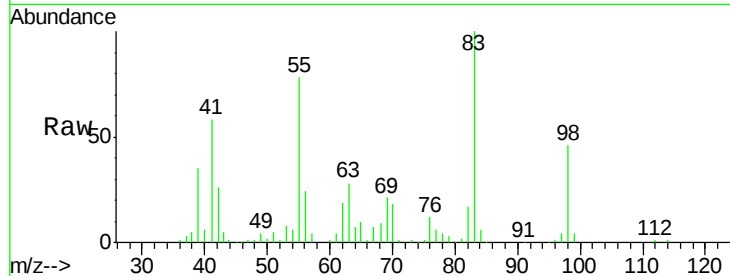




#39
Methvlcvclohexane
Concen: 47.20 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

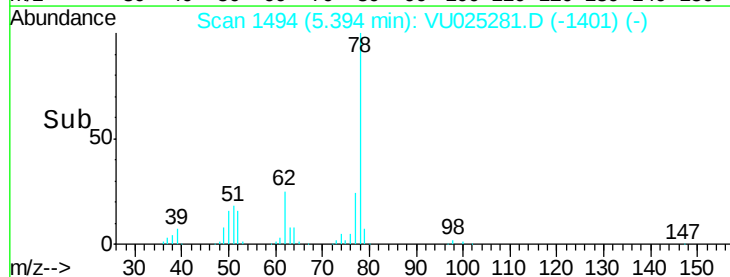
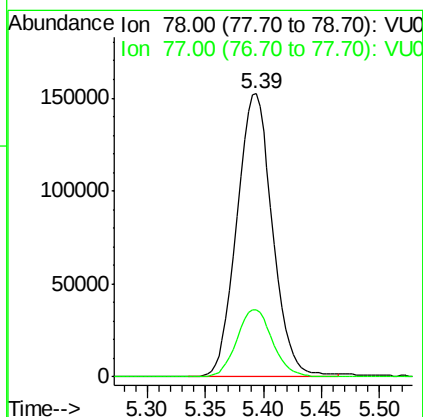
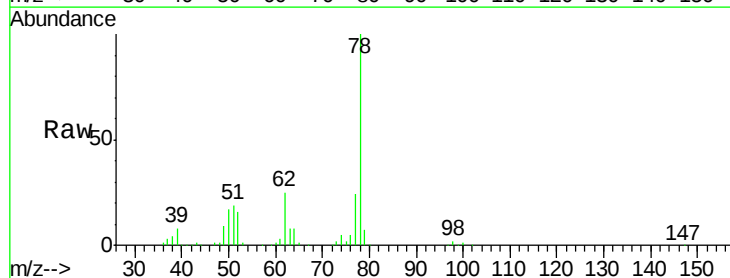
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

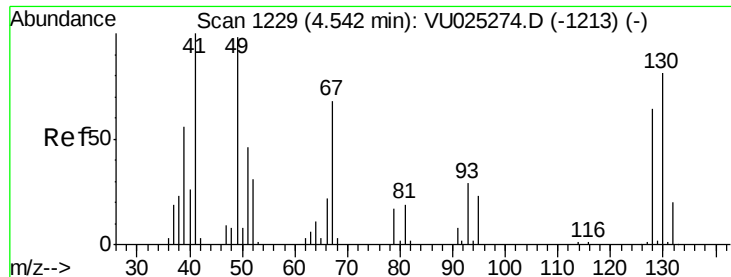
Tot Ion: 83 Resp: 140790
Ion Ratio Lower Upper
83 100
55 77.8 60.0 90.0
98 46.2 36.1 54.1



#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: 78 Resp: 325828
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6

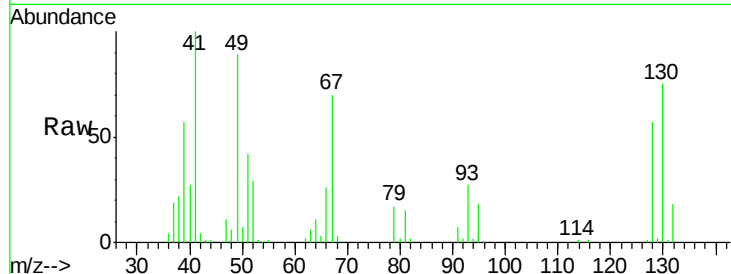




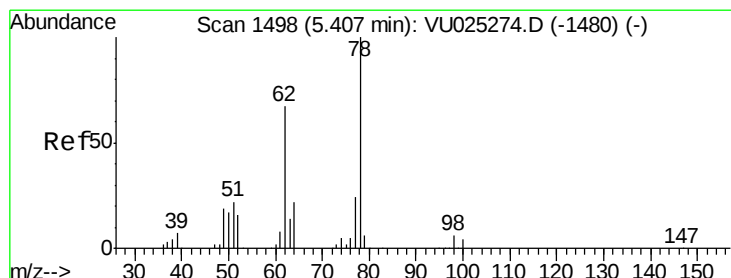
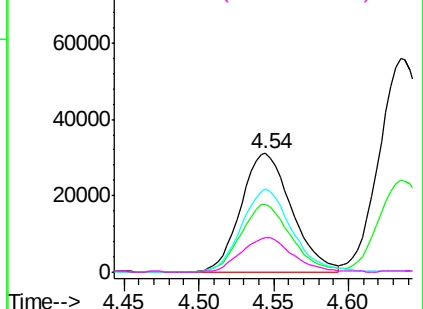
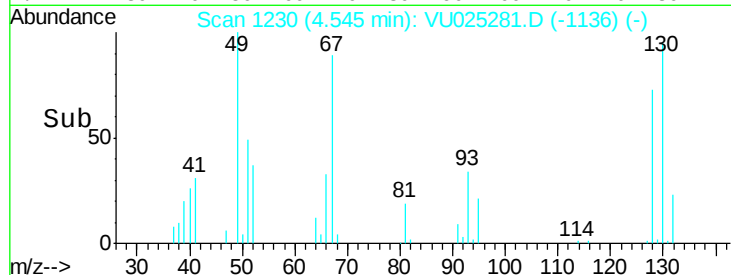
#41
Methacrylonitrile
Concen: 49.80 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	73636
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

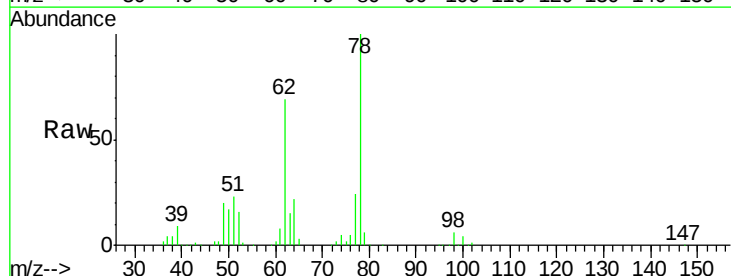


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

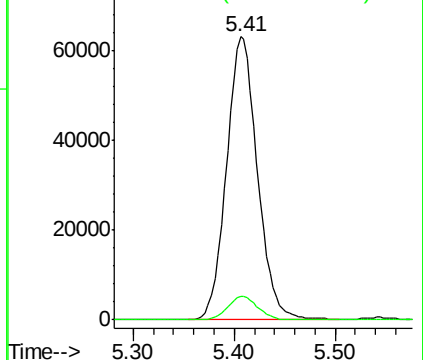
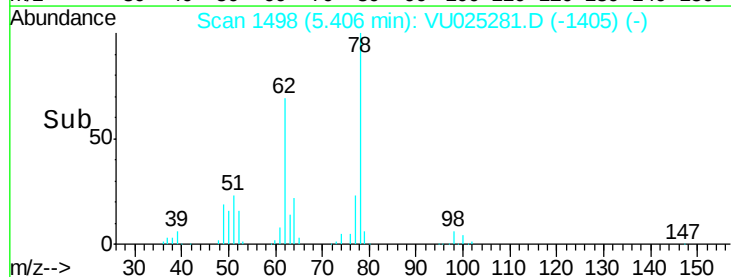


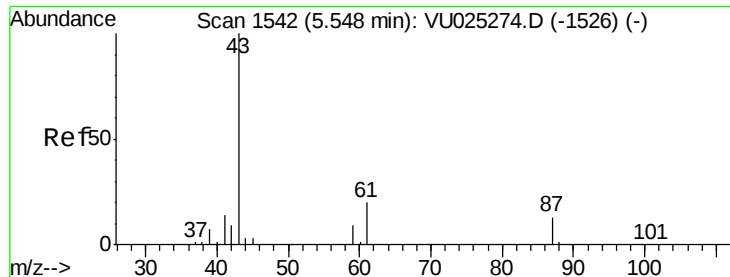
#42
1,2-Dichloroethane
Concen: 49.07 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion:	62	Resp:	134414
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#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

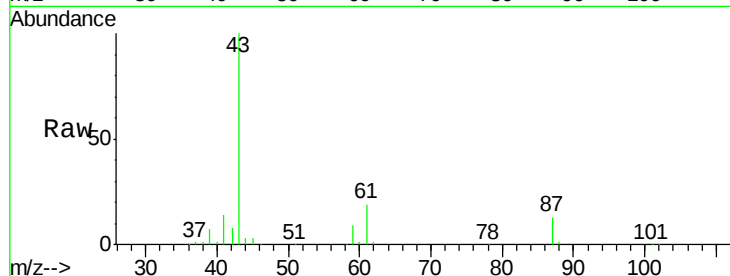
Tot Ion: 43 Resp: 211993

Ion Ratio Lower Upper

43 100

61 19.2 15.5 23.3

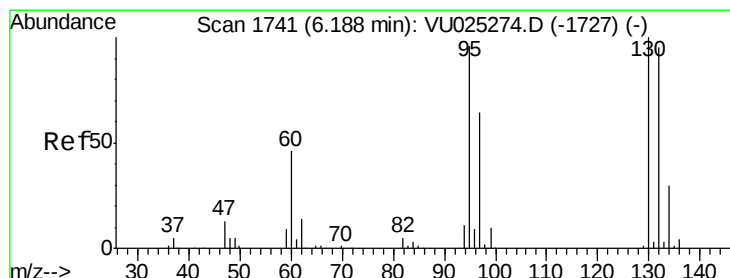
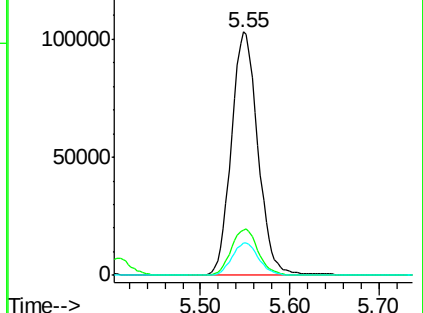
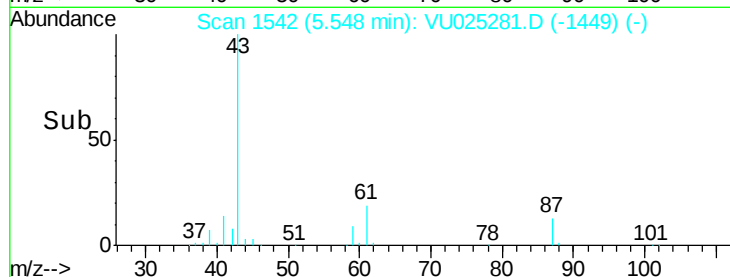
87 13.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025281.D (-1449) (-)

Ion 61.00 (60.70 to 61.70): VU025281.D (-1449) (-)

Ion 87.00 (86.70 to 87.70): VU025281.D (-1449) (-)



#44

Trichloroethene

Concen: 46.79 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025281.D

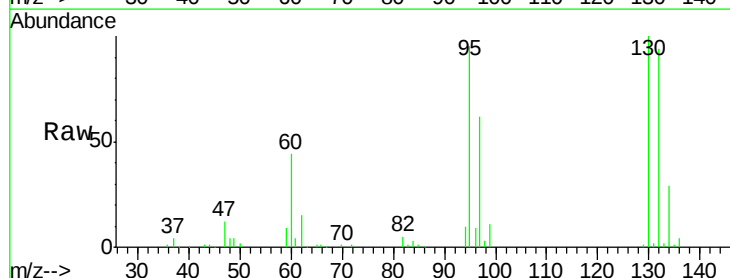
Acq: 10 Jul 2018 11:33

Tgt Ion: 130 Resp: 92585

Ion Ratio Lower Upper

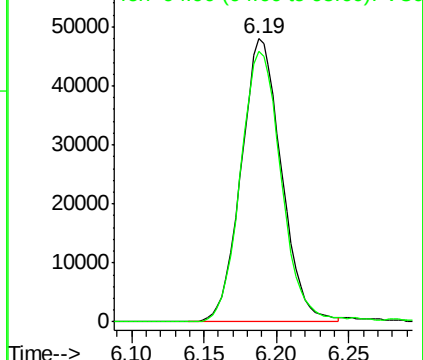
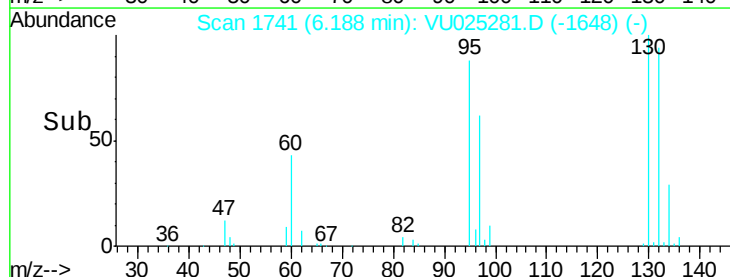
130 100

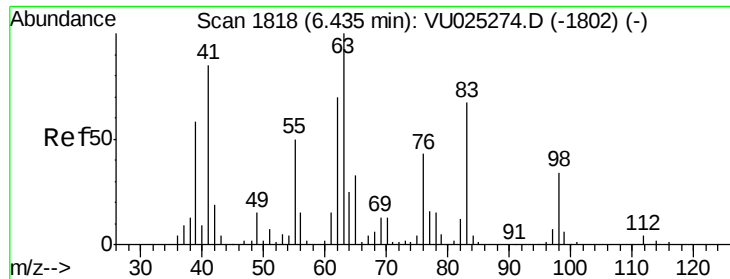
95 95.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025281.D (-1648) (-)

Ion 94.90 (94.60 to 95.60): VU025281.D (-1648) (-)





#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 :

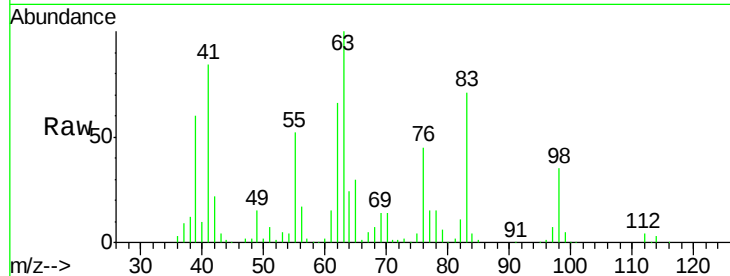
VSTDCCC050

Tot Ion: 63 Resp: 89090

Ion Ratio Lower Upper

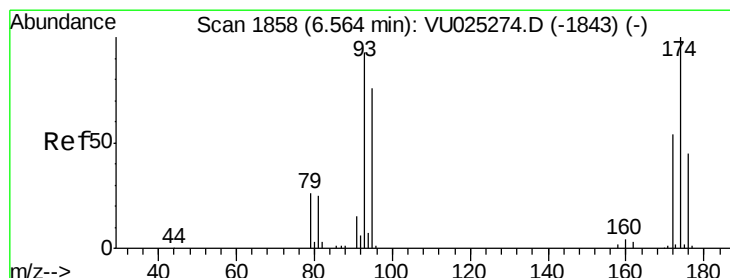
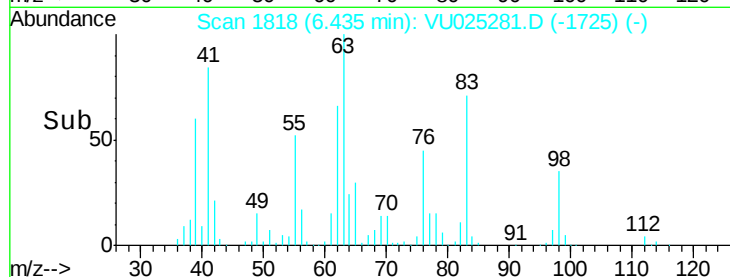
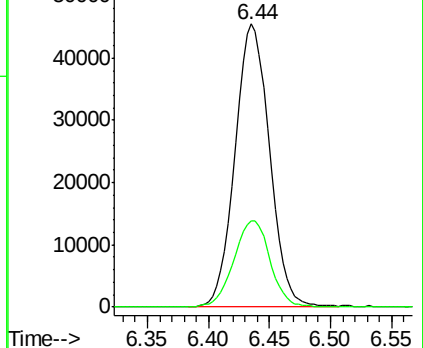
63 100

65 30.4 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#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

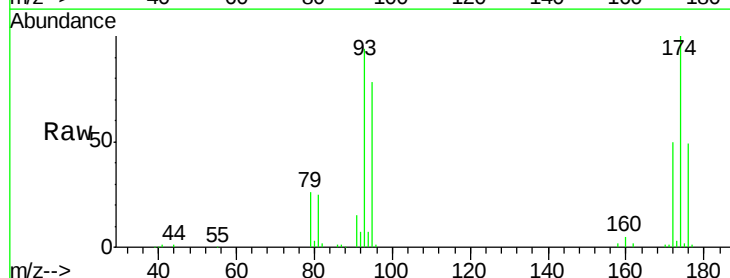
Tgt Ion: 93 Resp: 65095

Ion Ratio Lower Upper

93 100

95 81.2 66.6 100.0

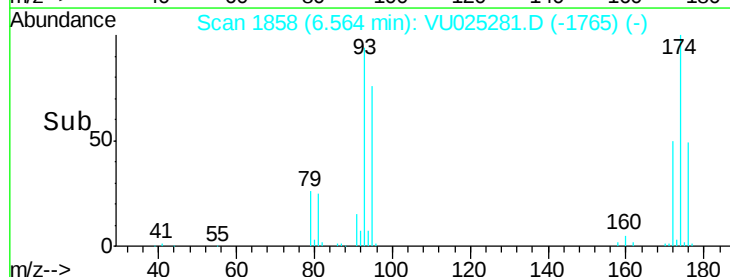
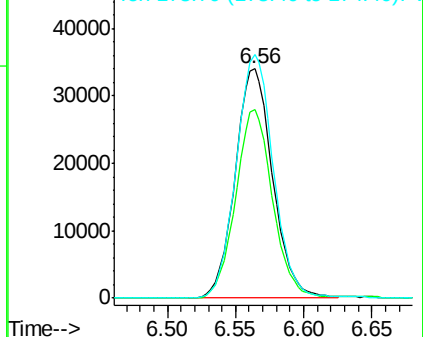
174 105.0 85.8 128.8

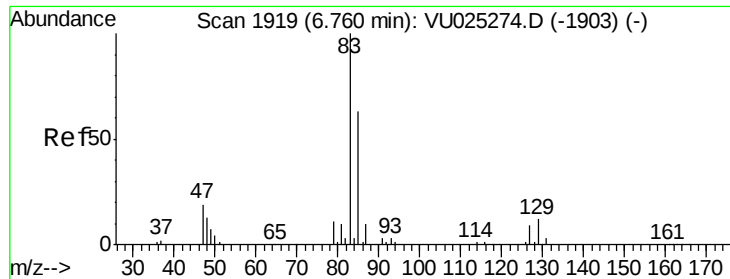


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#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

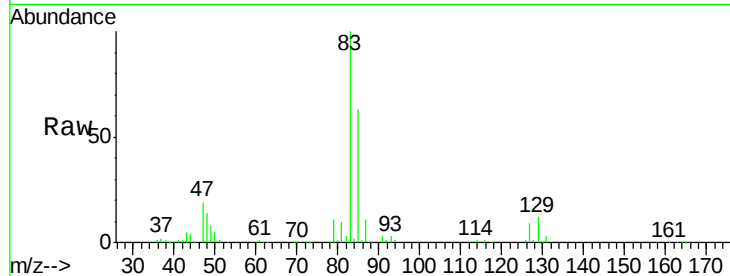
Tot Ion: 83 Resp: 125040

Ion Ratio Lower Upper

83 100

85 63.2 50.2 75.4

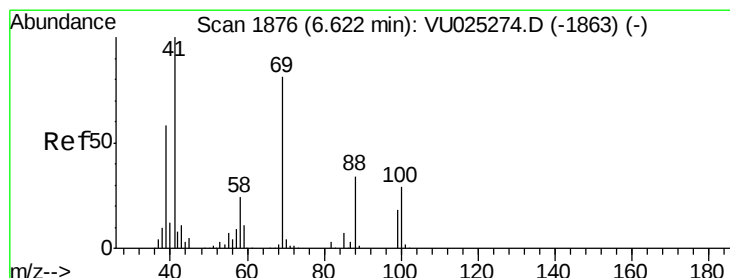
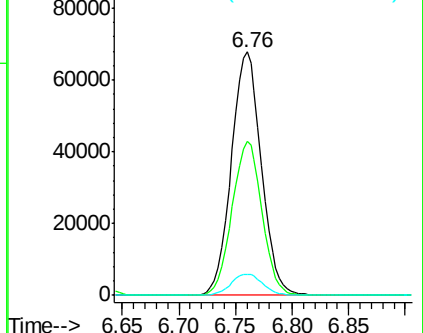
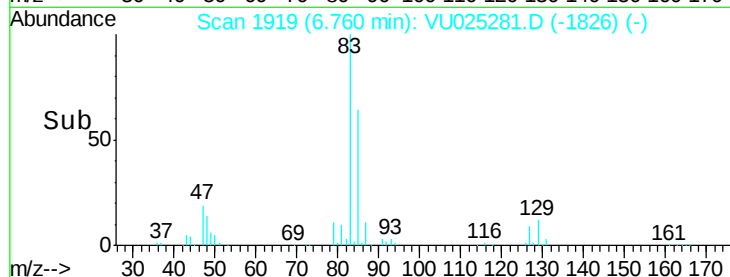
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025281.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025281.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025281.D (-1826) (-)



#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

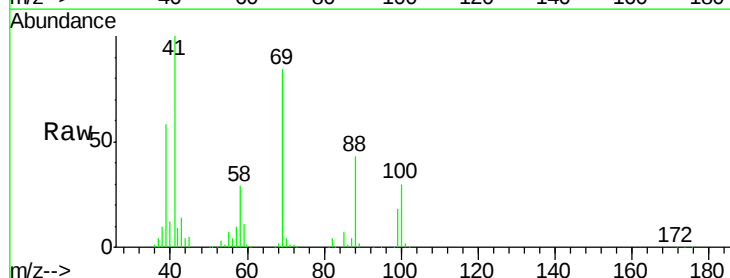
Tgt Ion: 41 Resp: 106369

Ion Ratio Lower Upper

41 100

69 82.2 65.0 97.4

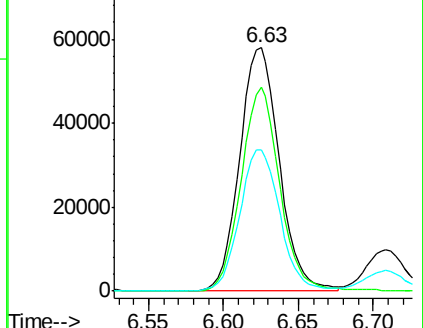
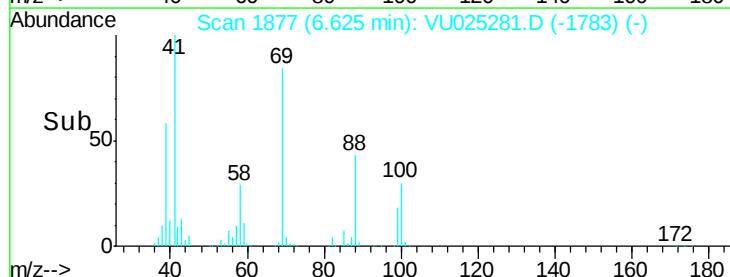
39 58.6 46.4 69.6

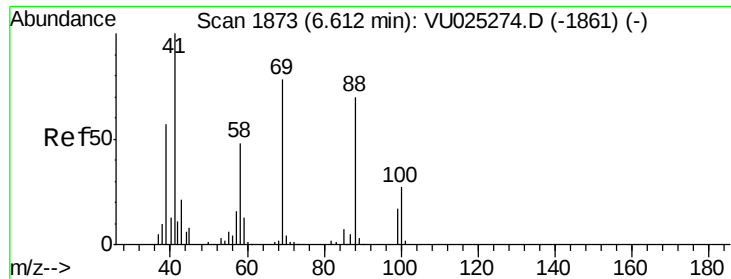


Abundance Ion 41.00 (40.70 to 41.70): VU025281.D (-1783) (-)

Ion 69.00 (68.70 to 69.70): VU025281.D (-1783) (-)

Ion 39.00 (38.70 to 39.70): VU025281.D (-1783) (-)

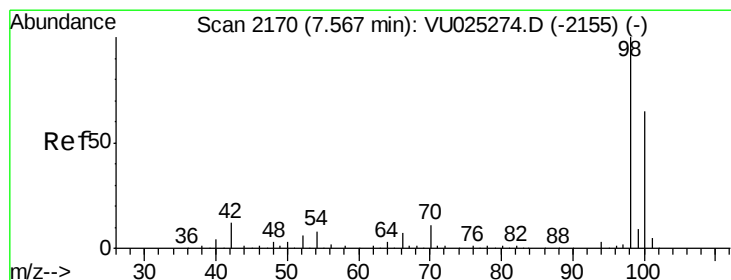
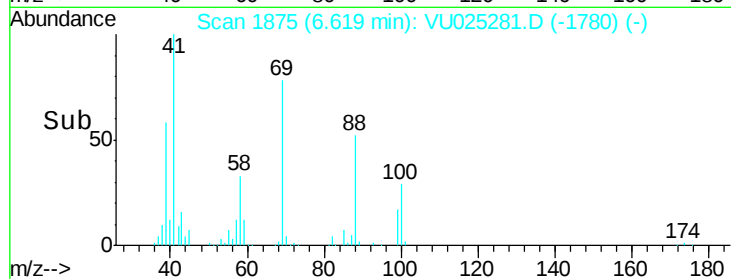
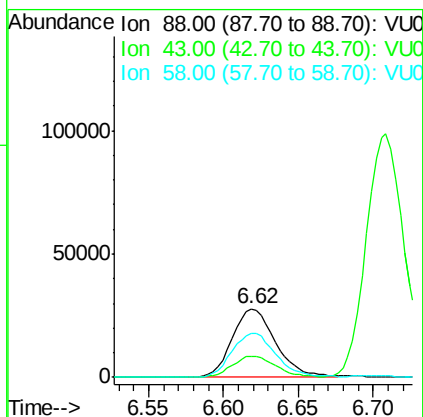
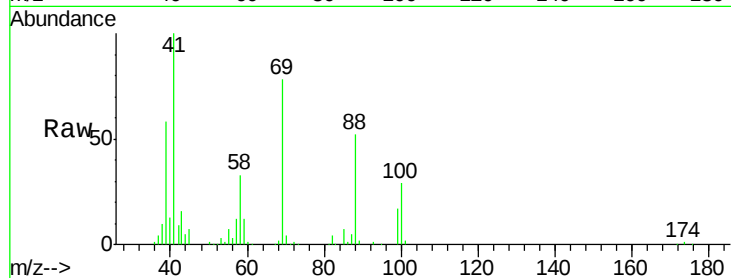




#49
1,4-Dioxane
Concen: 1086.08 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

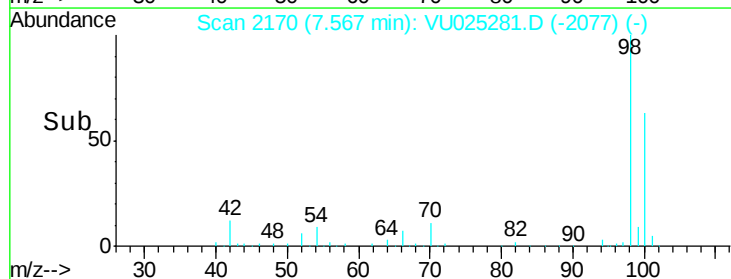
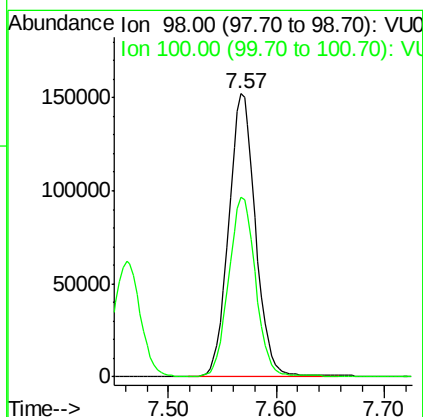
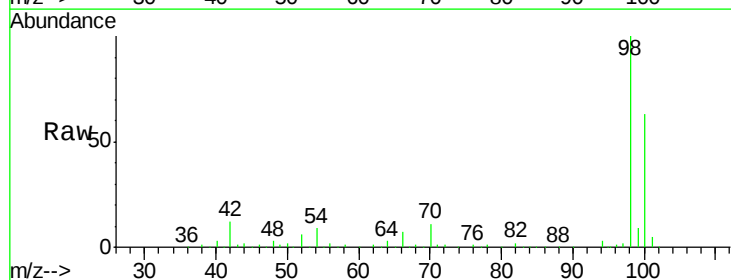
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

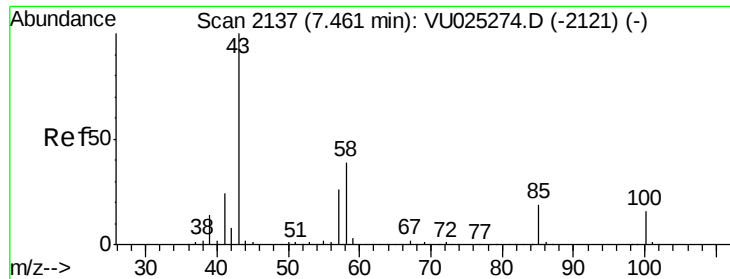
Tot Ion: 88 Resp: 55639
Ion Ratio Lower Upper
88 100
43 31.7 27.3 40.9
58 66.9 57.6 86.4



#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: 98 Resp: 264462
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 :

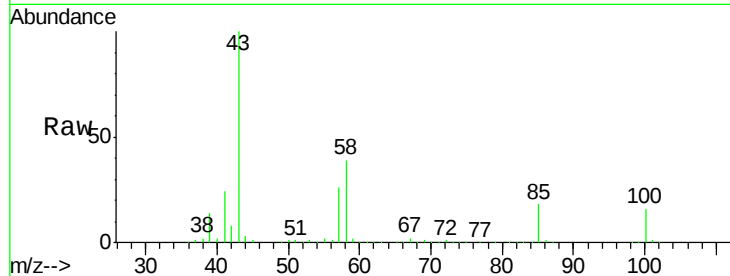
VSTDCCC050

Tot Ion: 43 Resp: 681296

Ion Ratio Lower Upper

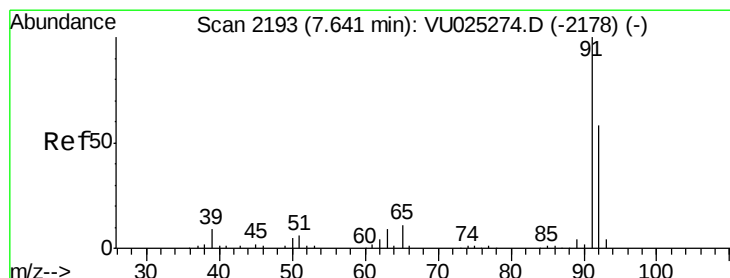
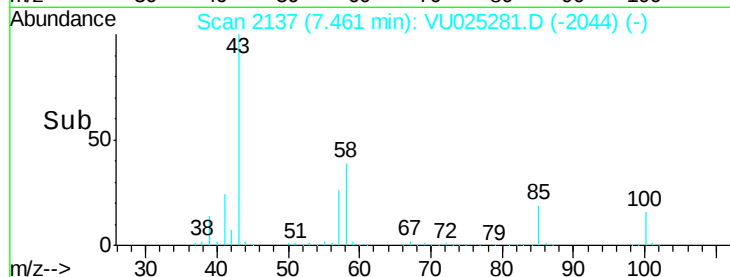
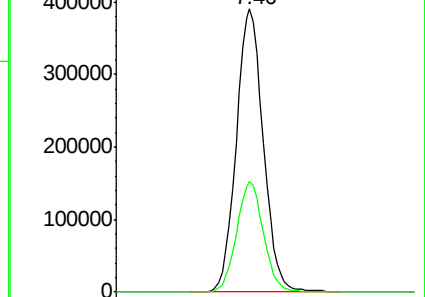
43 100

58 38.8 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.84 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025281.D

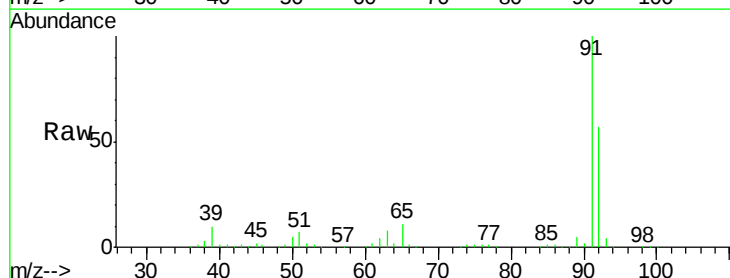
Acq: 10 Jul 2018 11:33

Tgt Ion: 92 Resp: 214146

Ion Ratio Lower Upper

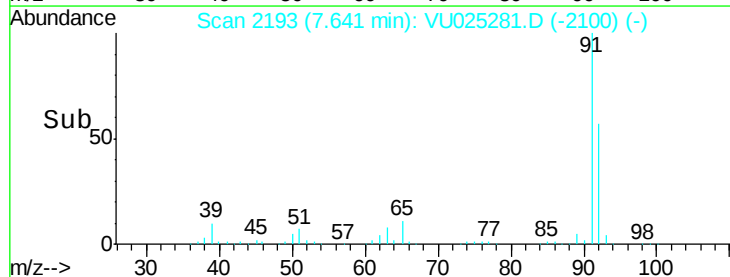
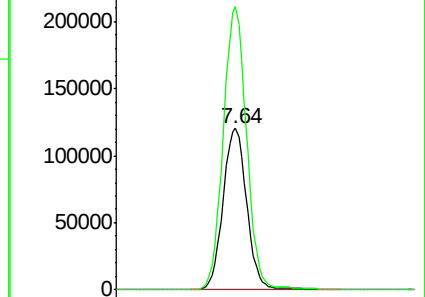
92 100

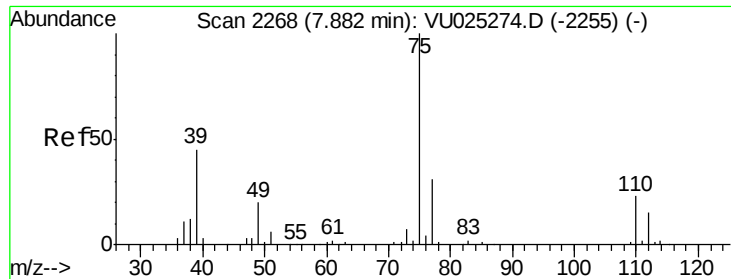
91 172.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#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 :

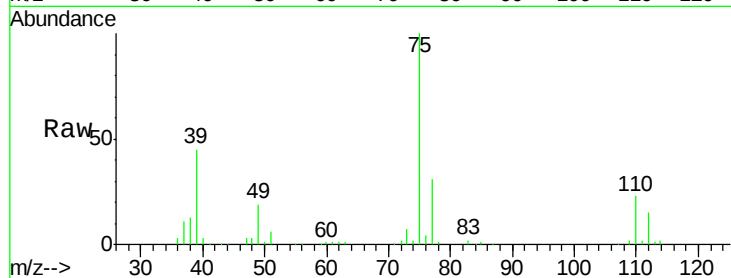
VSTDCCC050

Tot Ion: 75 Resp: 135444

Ion Ratio Lower Upper

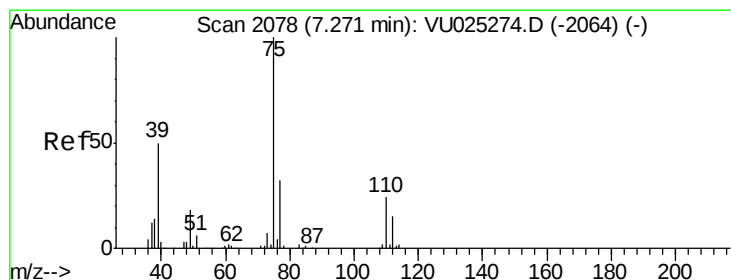
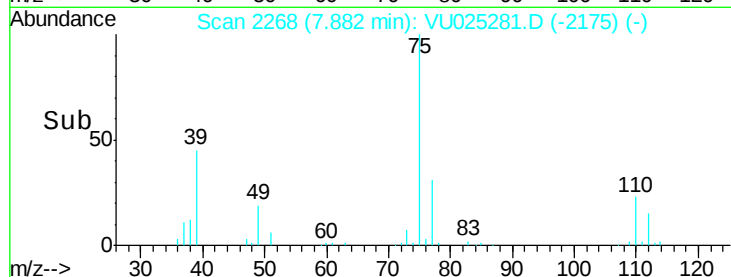
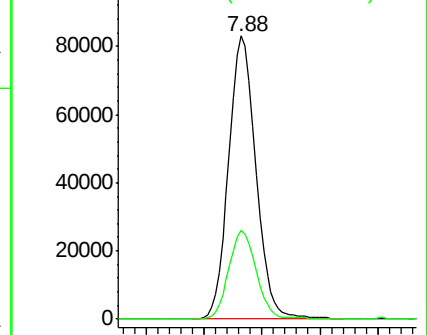
75 100

77 31.3 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#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

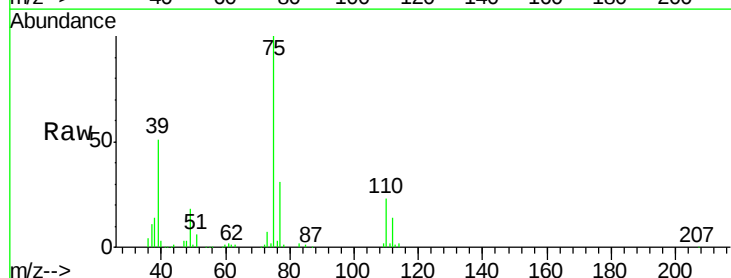
Tgt Ion: 75 Resp: 140995

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

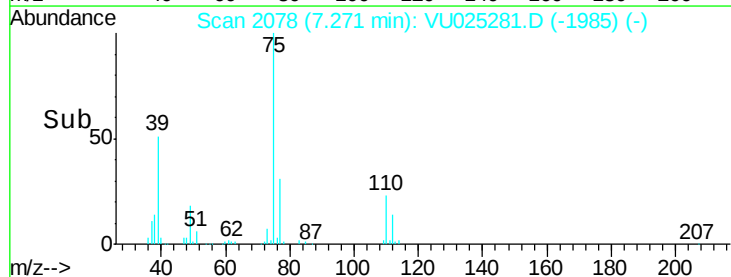
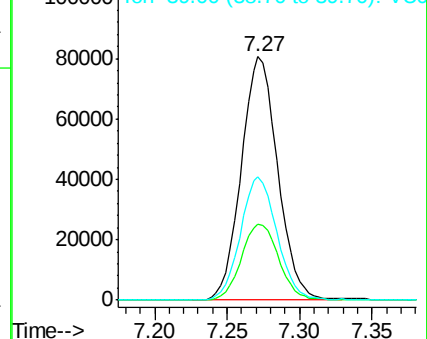
39 50.6 40.0 60.0

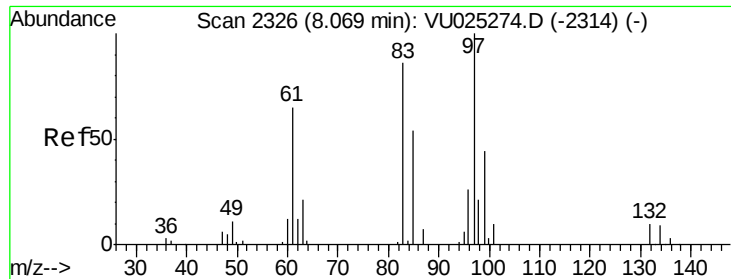


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

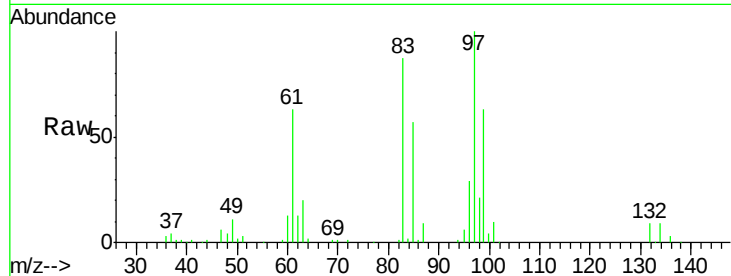




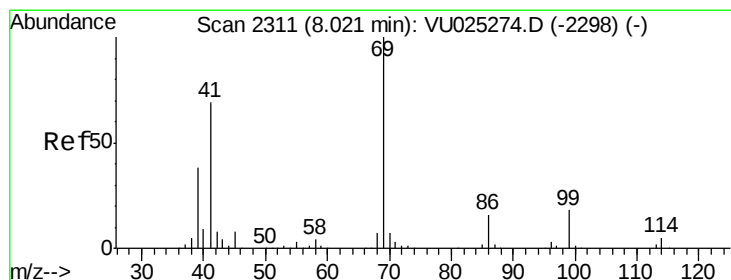
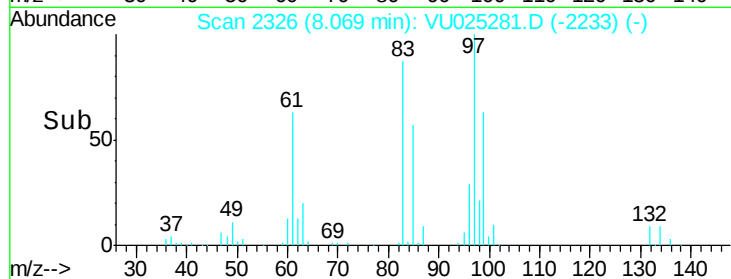
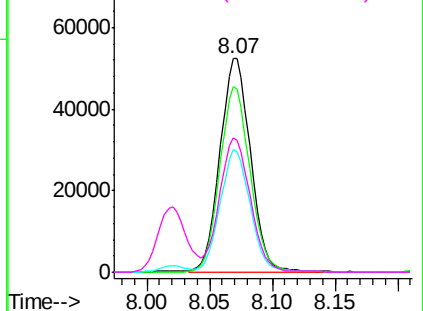
#55
 1,1,2-Trichloroethane
 Concen: 48.29 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

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

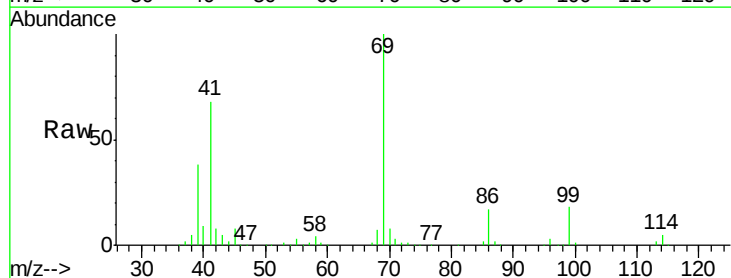


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

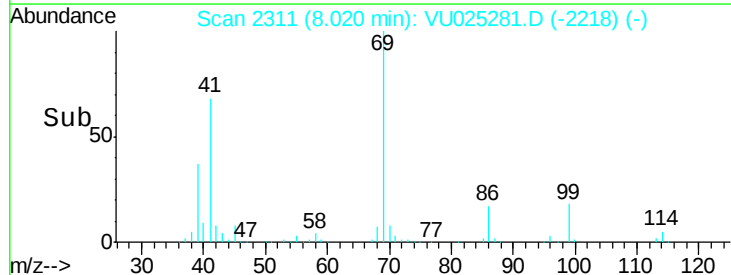
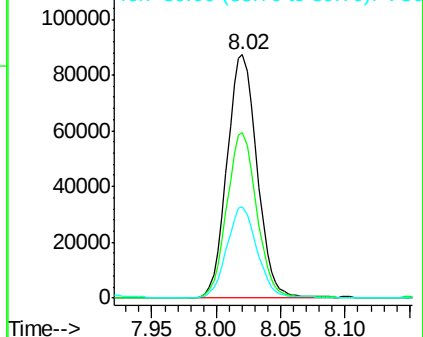


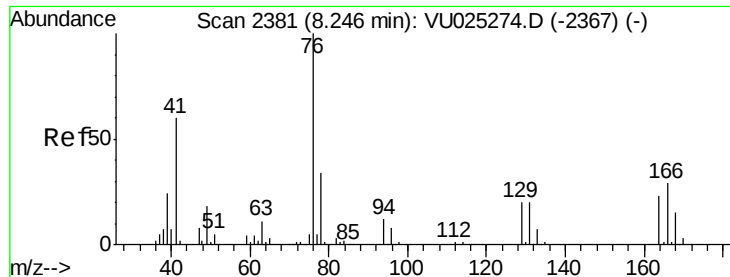
#56
 Ethyl methacrylate
 Concen: 49.70 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

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



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

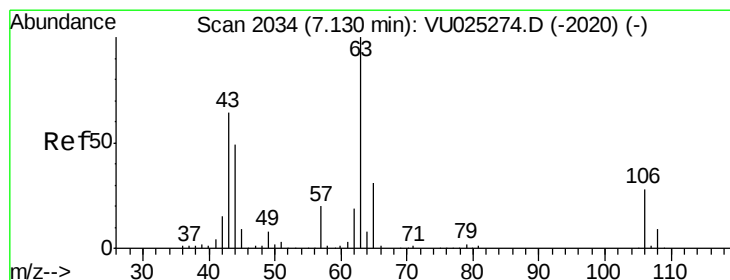
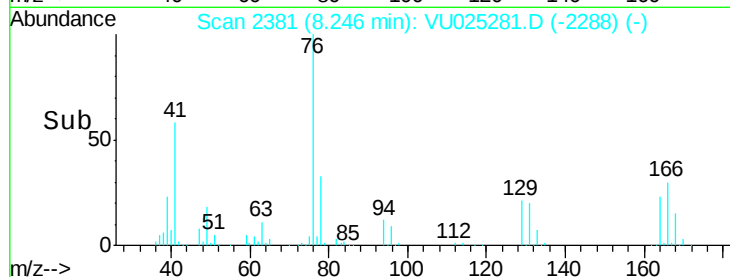
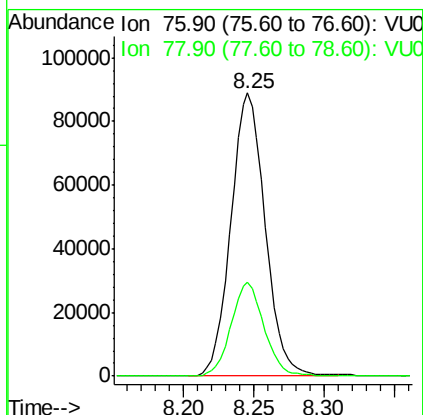
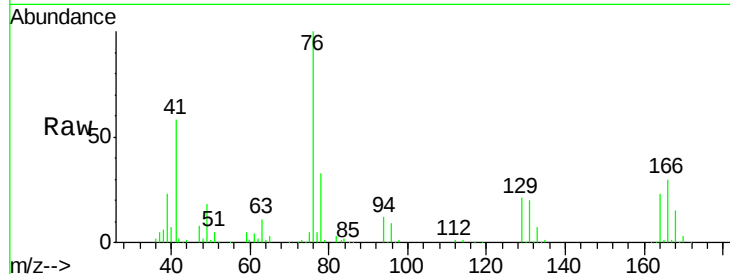




#57
 1,3-Dichloropropane
 Concen: 49.90 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

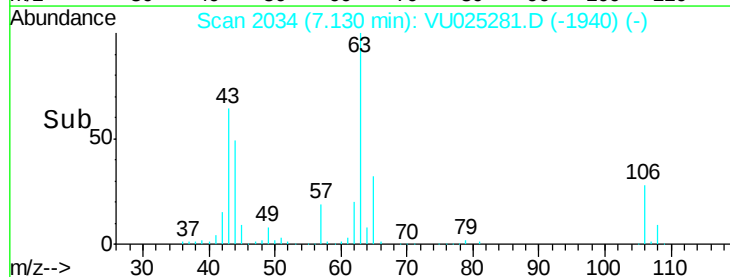
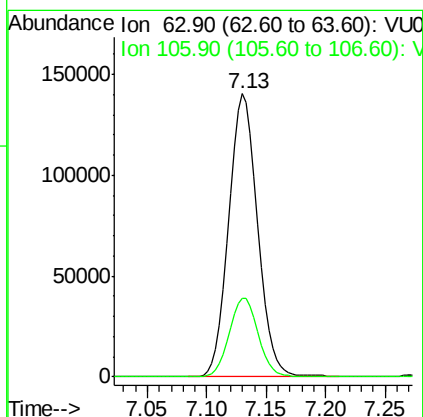
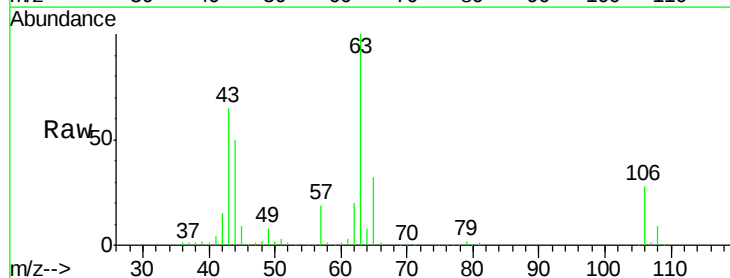
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

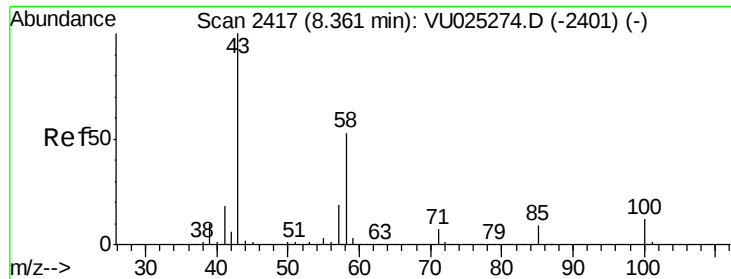
Tot Ion: 76 Resp: 151271
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#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

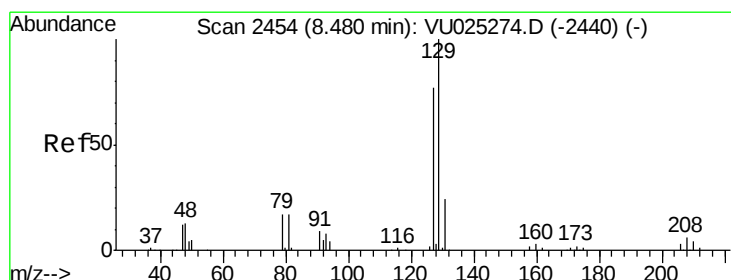
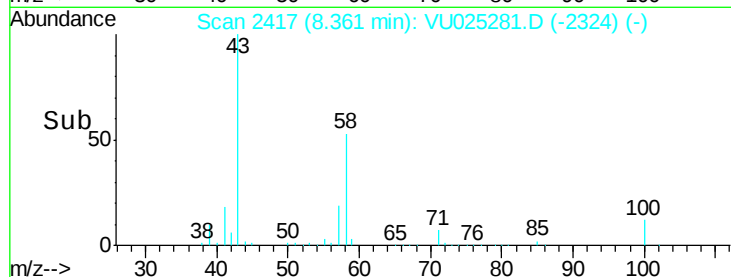
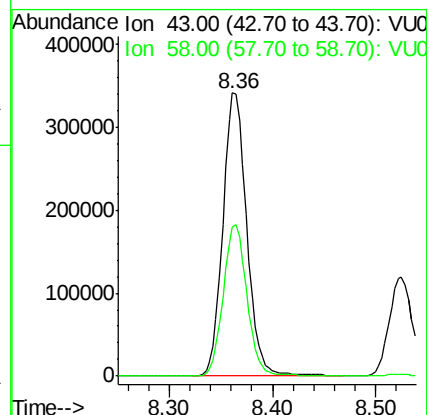
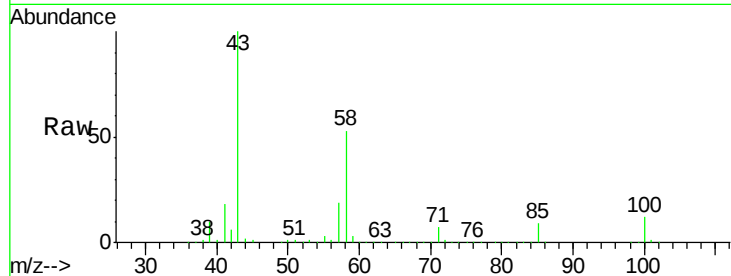




#59
 2-Hexanone
 Concen: 245.07 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

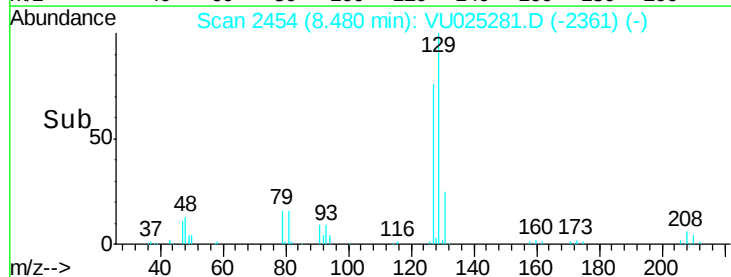
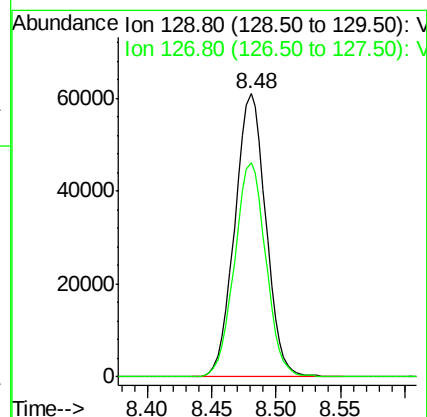
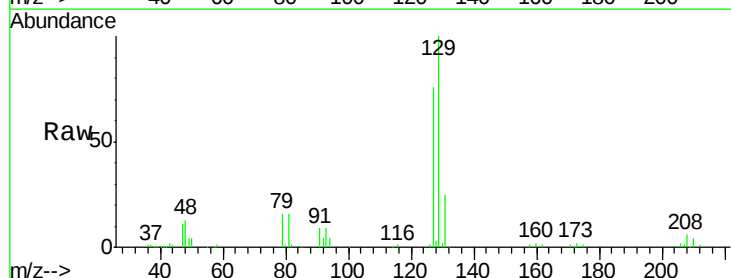
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

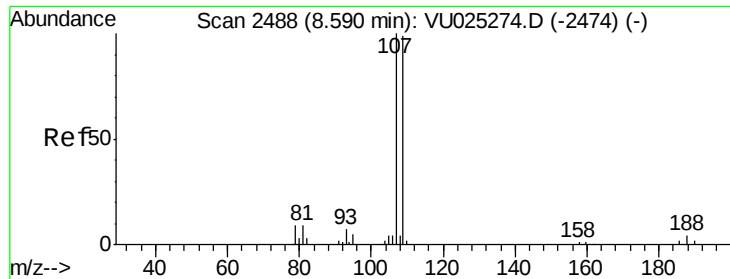
Tot Ion: 43 Resp: 551769
 Ion Ratio Lower Upper
 43 100
 58 53.4 26.2 78.5



#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 :

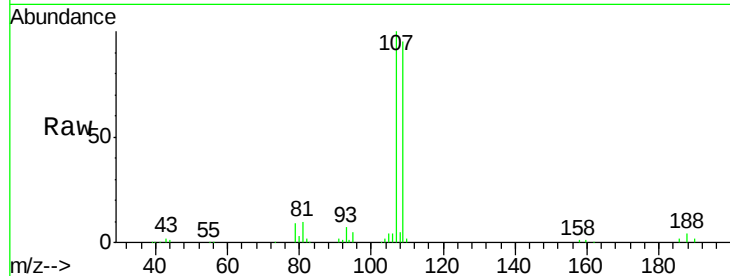
VSTDCCC050

Tot Ion:107 Resp: 96259

Ion Ratio Lower Upper

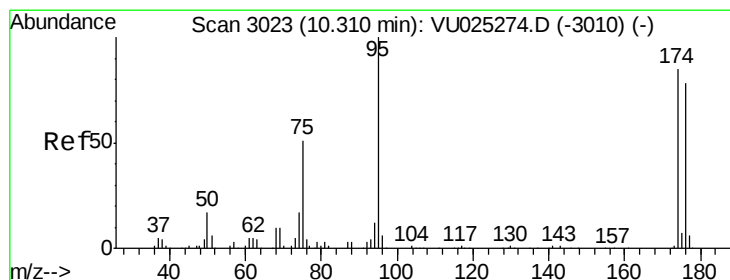
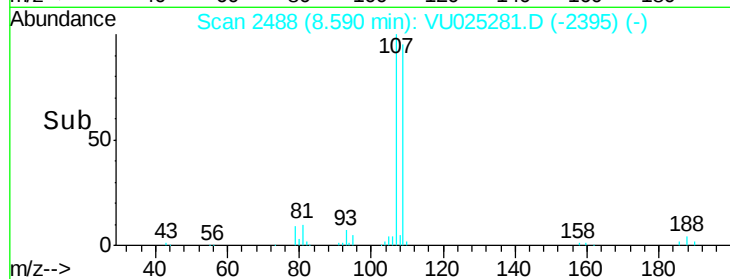
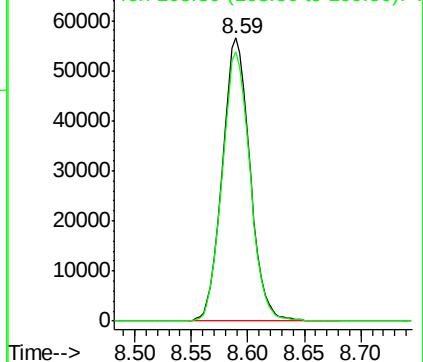
107 100

109 95.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#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

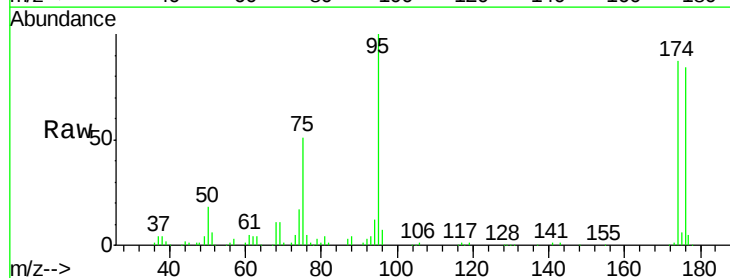
Tgt Ion: 95 Resp: 108511

Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.2

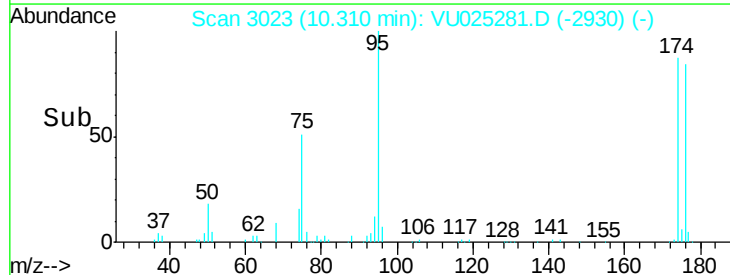
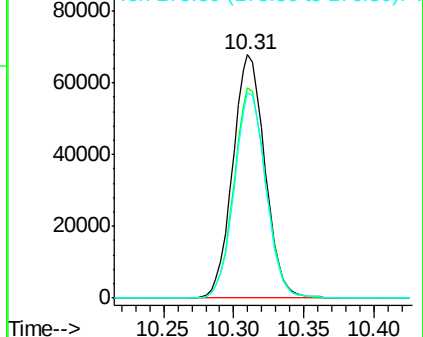
176 83.3 0.0 162.6

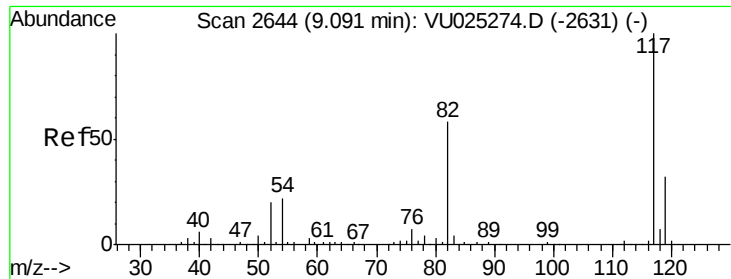


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

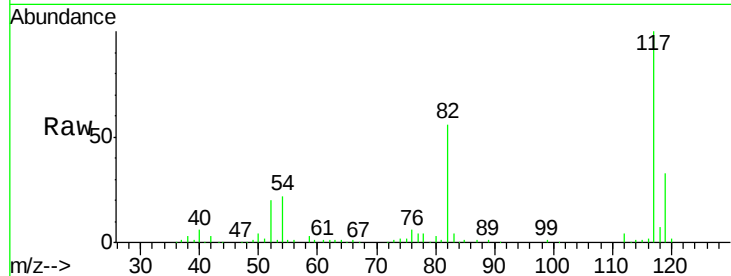




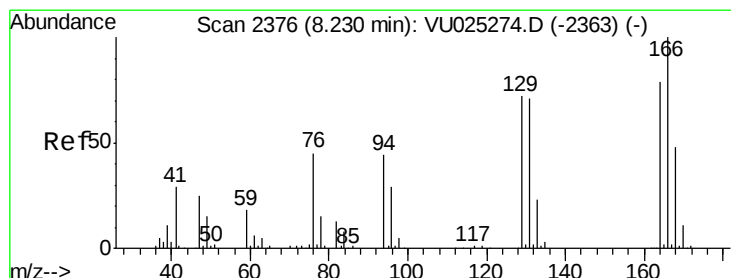
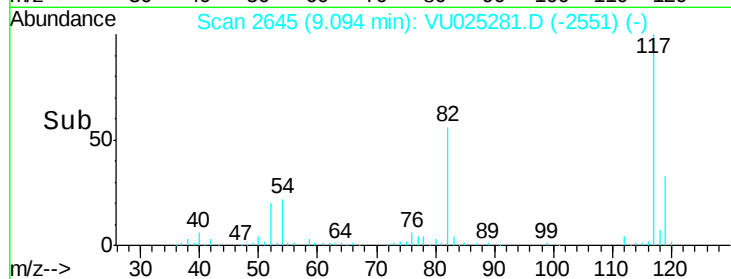
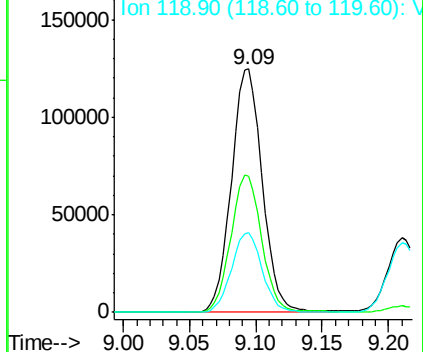
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 202465
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 32.8 26.0 39.0



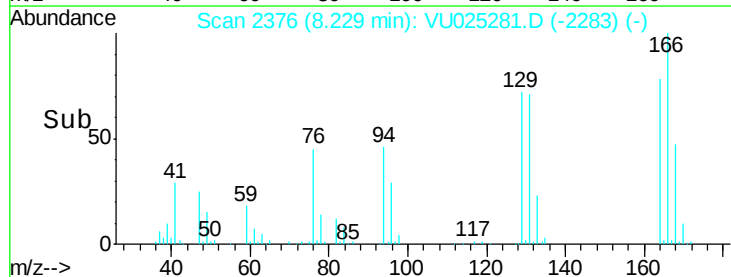
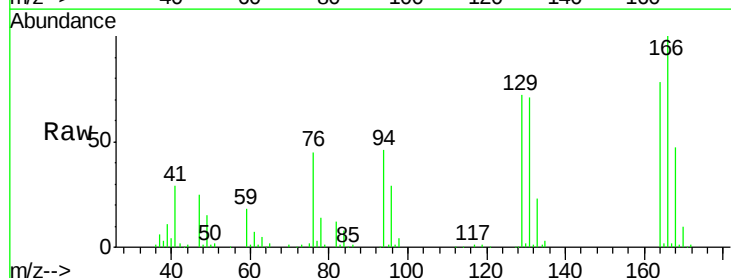
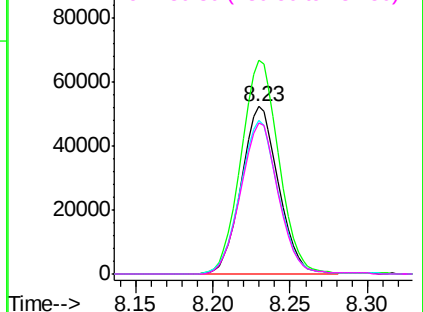
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

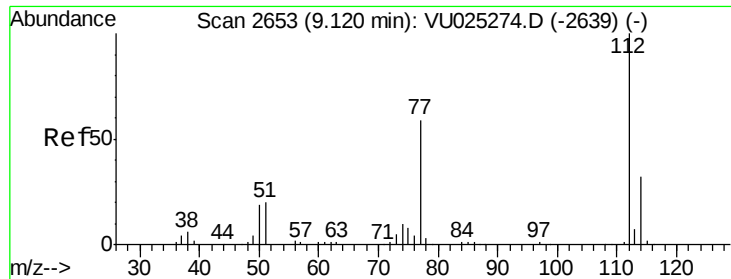


#64
Tetrachloroethene
Concen: 47.29 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Tgt Ion:164 Resp: 87273
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

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

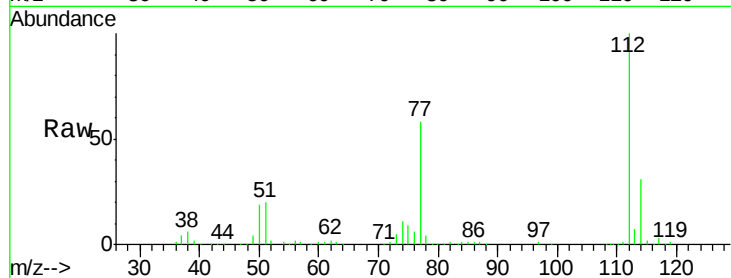




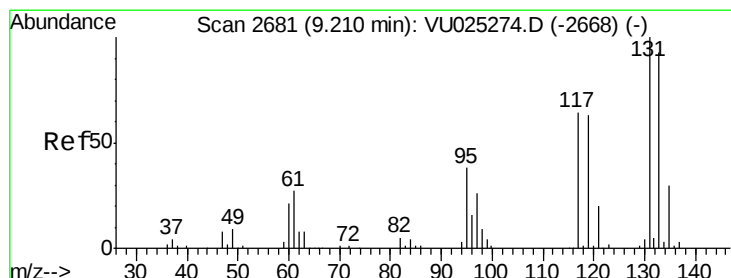
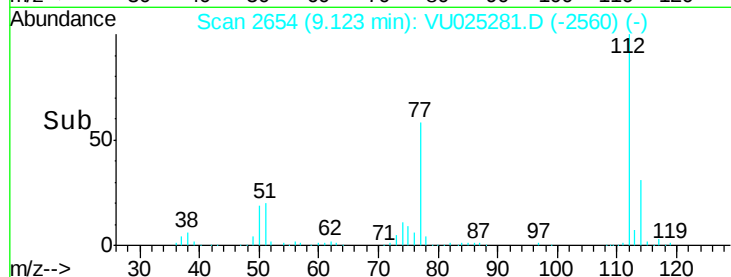
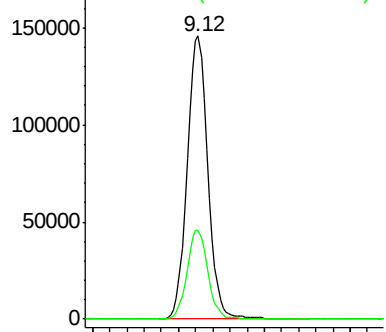
#65
Chlorobenzene
Concen: 48.25 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

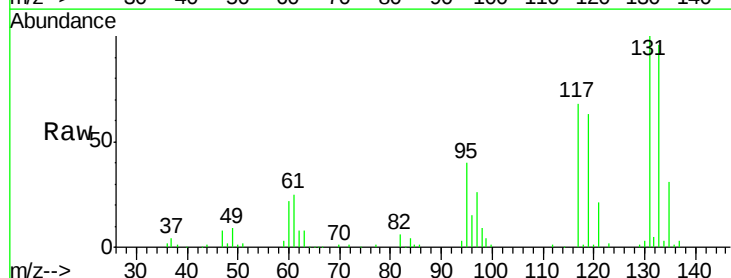


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

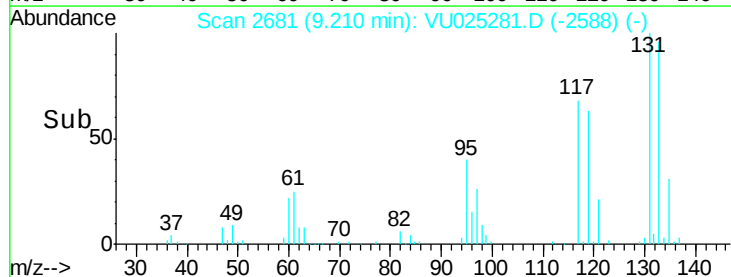
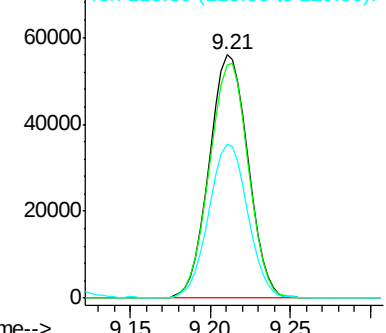


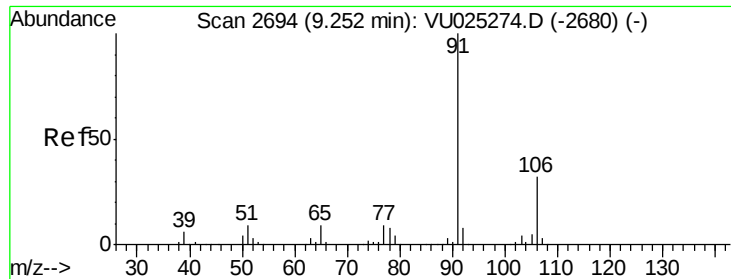
#66
1,1,1,2-Tetrachloroethane
Concen: 51.26 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

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



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

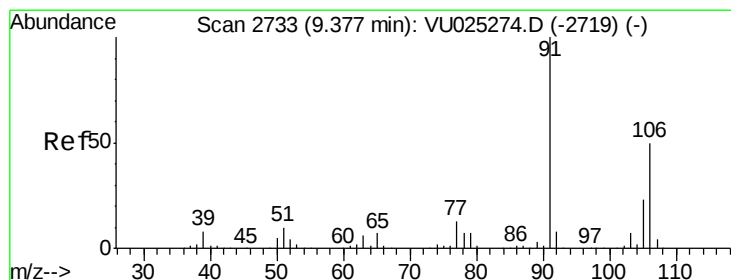
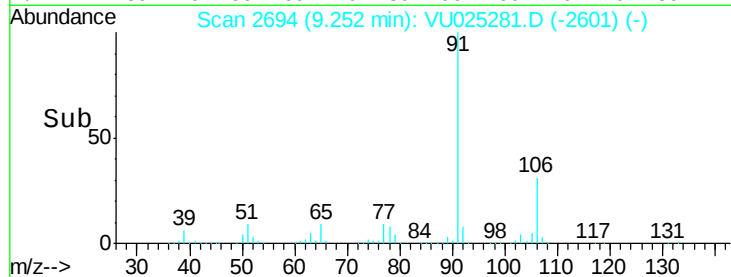
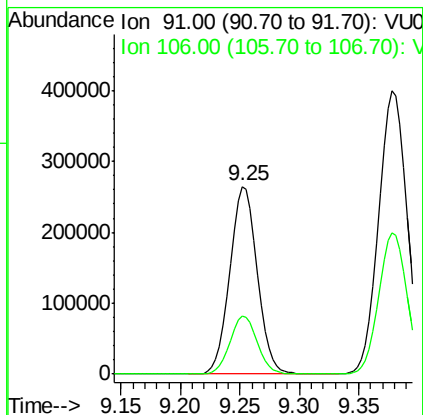
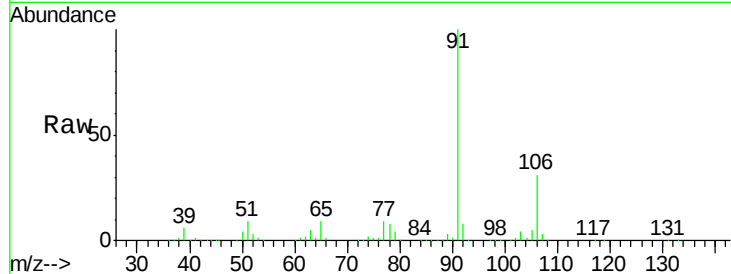




#67
Ethyl Benzene
Concen: 49.20 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

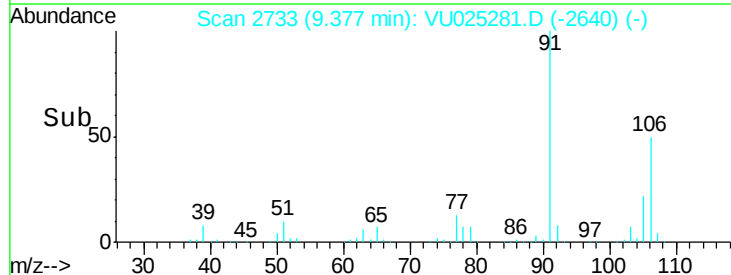
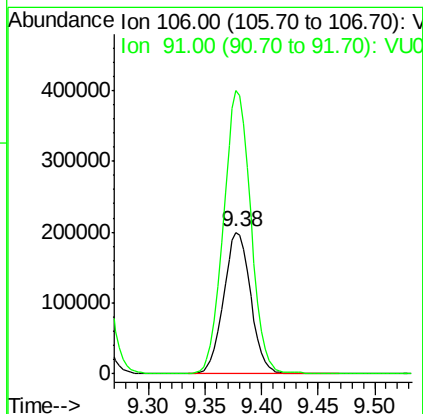
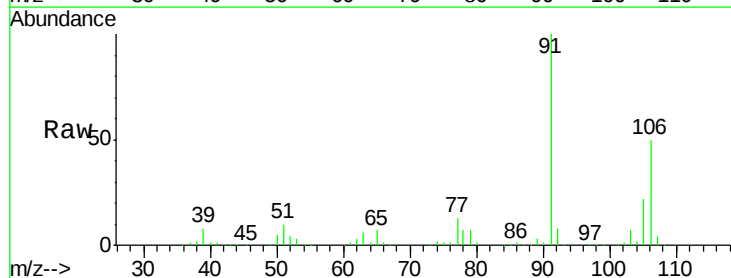
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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



#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

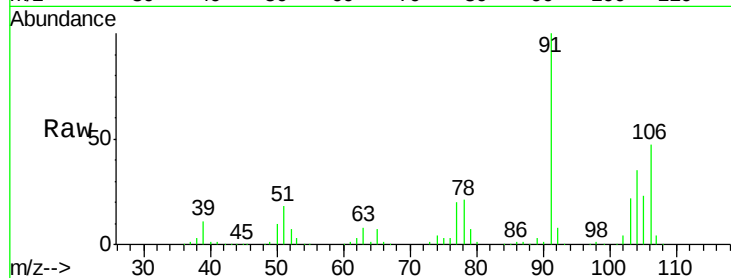




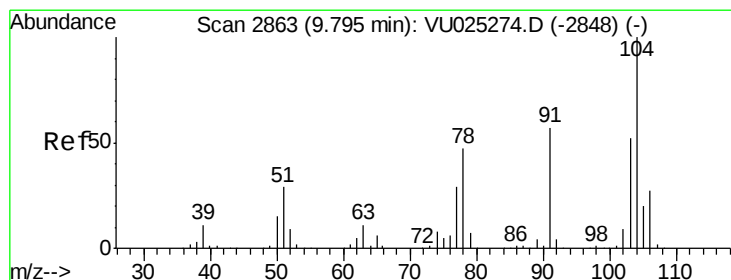
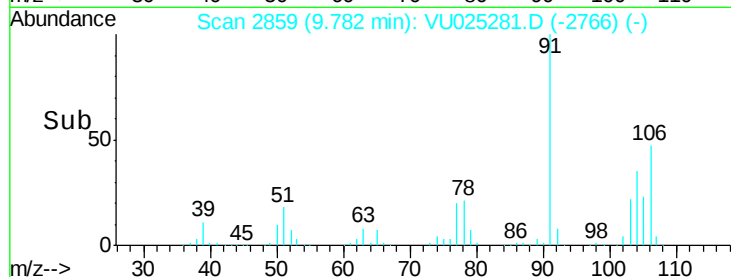
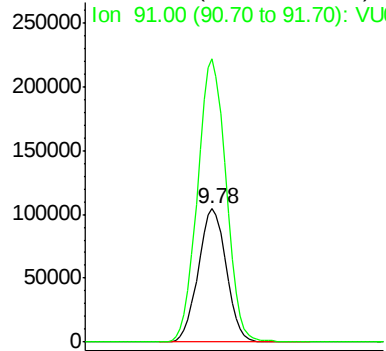
#69
o-Xylene
Concen: 48.53 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

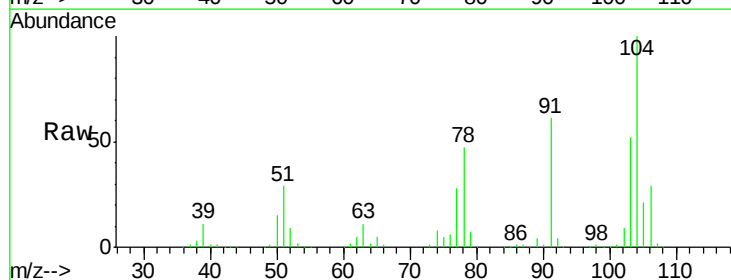


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

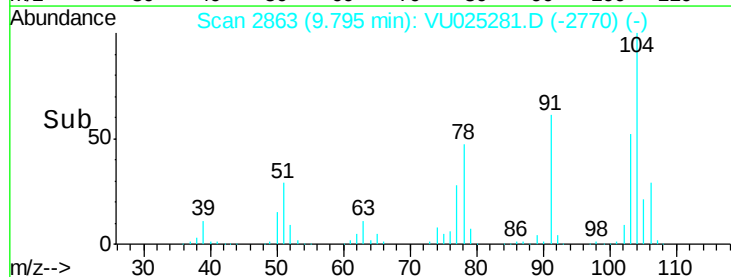
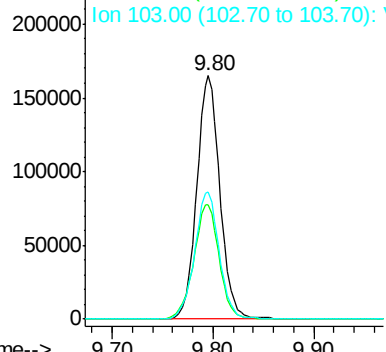


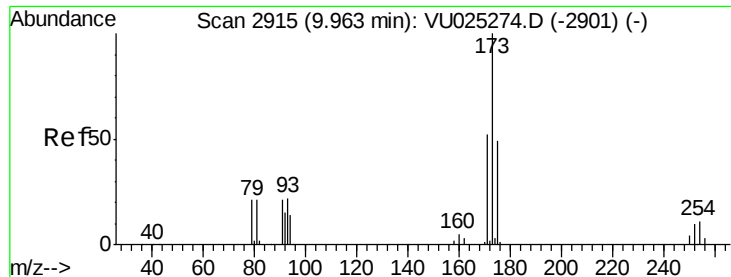
#70
Styrene
Concen: 49.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

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



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





#71

Bromoform

Concen: 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

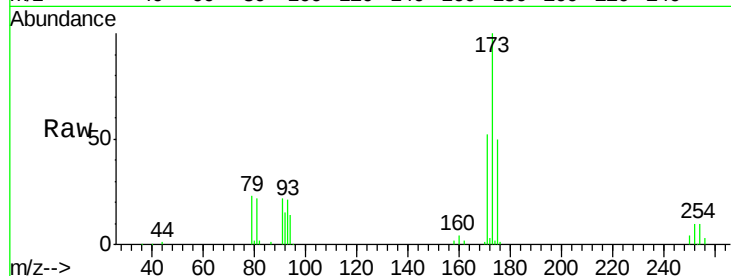
Tot Ion:173 Resp: 78470

Ion Ratio Lower Upper

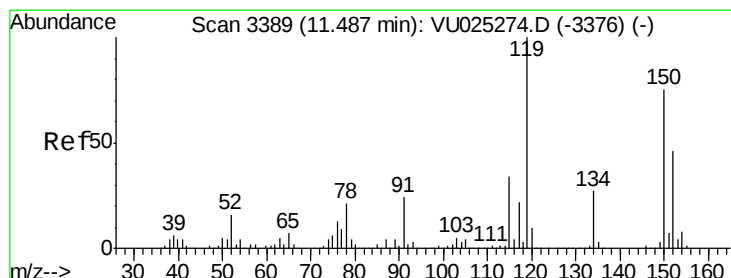
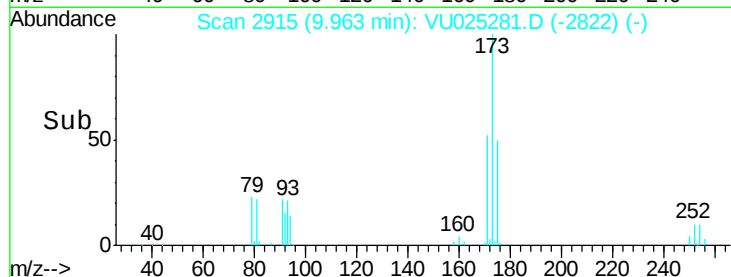
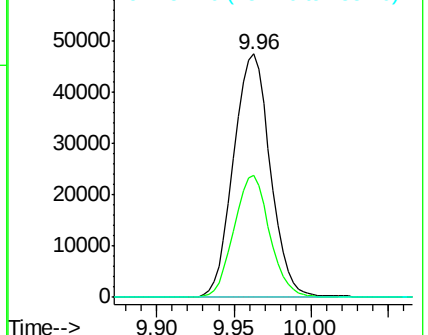
173 100

175 48.5 24.0 72.0

254 0.0 0.0 0.0



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

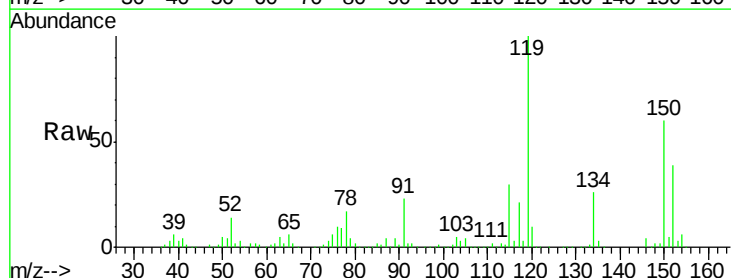
Tgt Ion:152 Resp: 124385

Ion Ratio Lower Upper

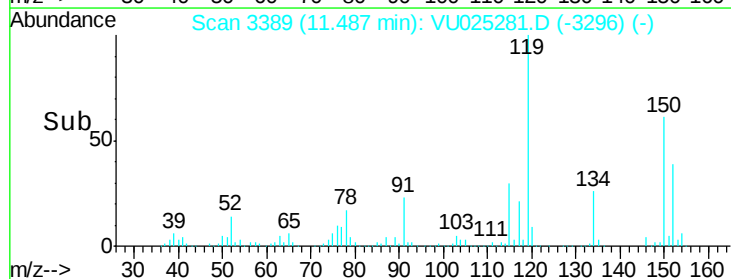
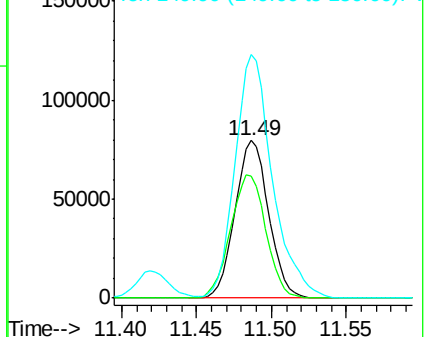
152 100

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

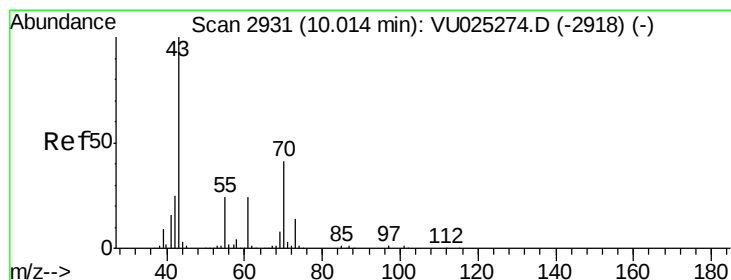
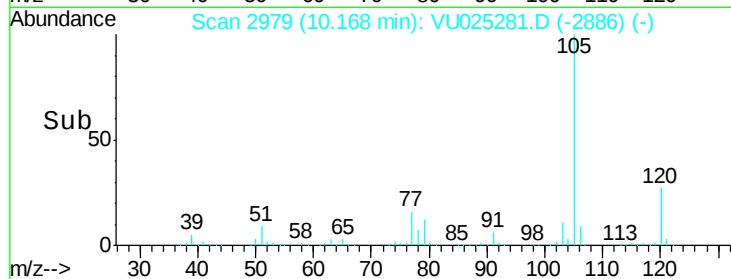
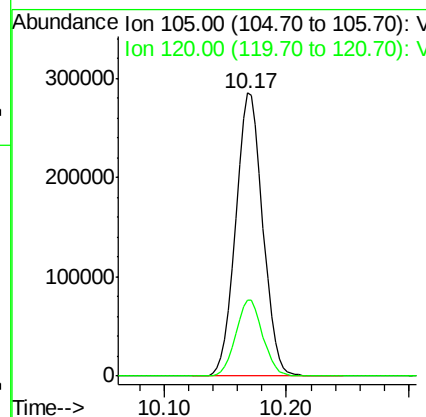
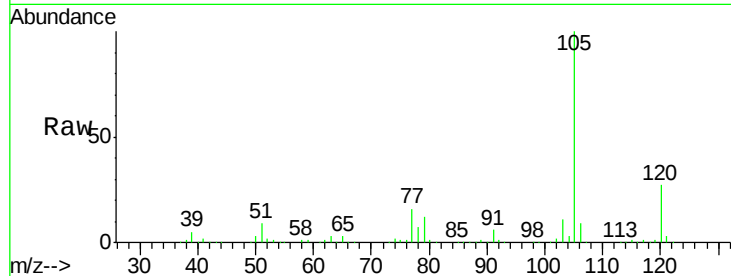




#73
Isopropylbenzene
Concen: 46.36 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

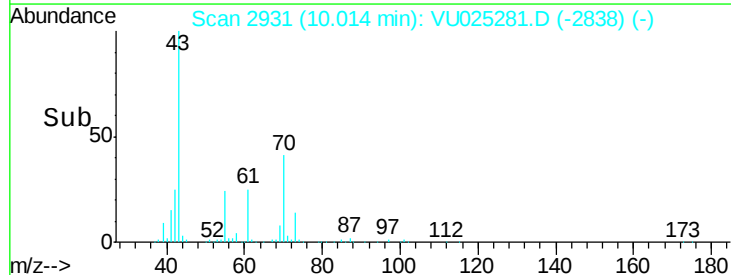
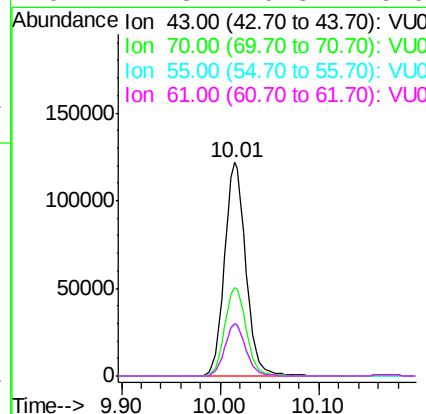
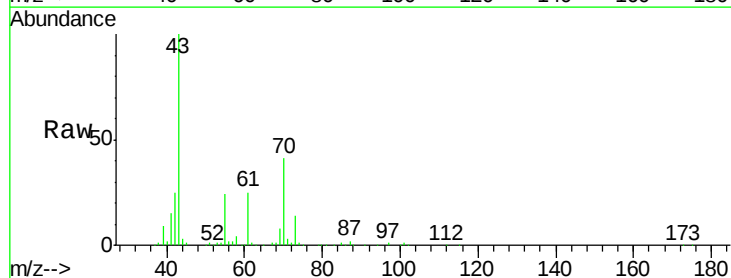
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

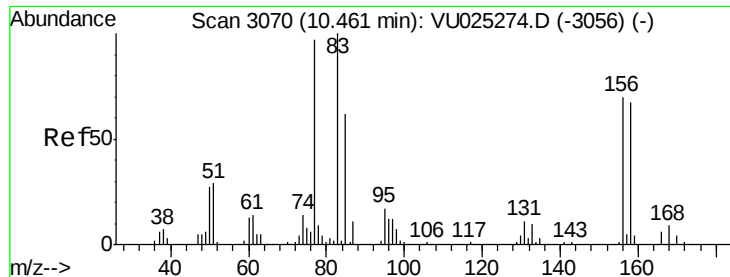
Tot Ion:105 Resp: 440545
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5



#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

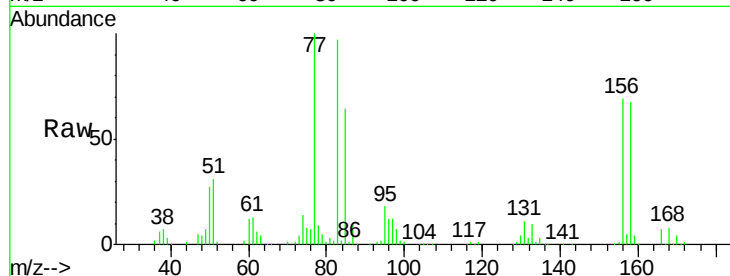
Tot Ion: 83 Resp: 142636

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

85 66.2 31.6 94.8

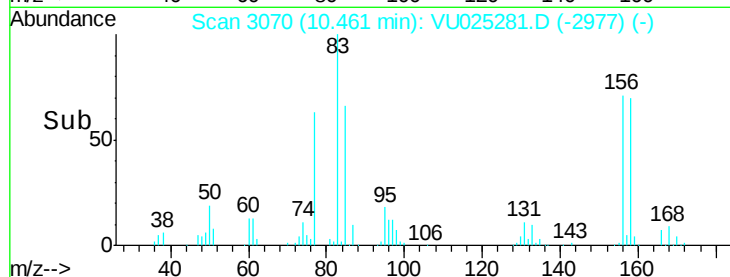


Abundance Ion 82.90 (82.60 to 83.60): VU025281.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025281.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025281.D (-2977) (-)

Time-->

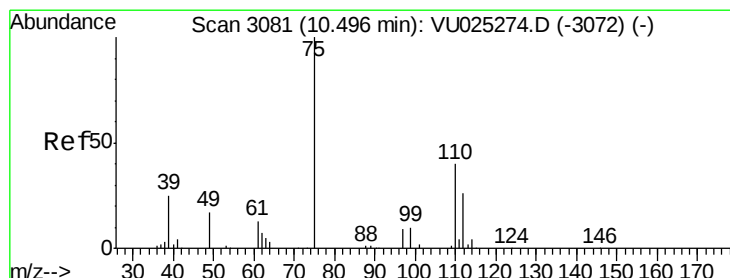


Abundance Ion 82.90 (82.60 to 83.60): VU025281.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025281.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025281.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.55 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025281.D

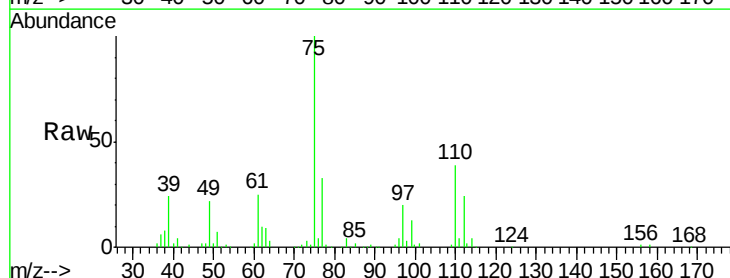
Acq: 10 Jul 2018 11:33

Tgt Ion: 75 Resp: 174337

Ion Ratio Lower Upper

75 100

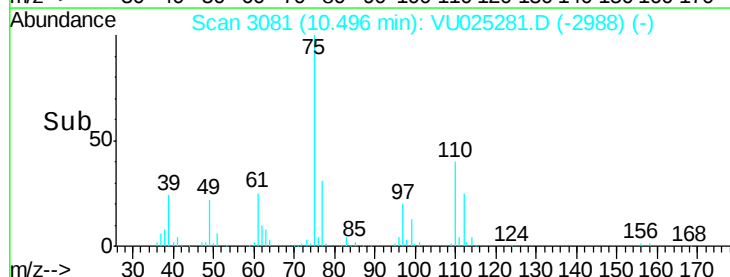
77 30.0 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025281.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025281.D (-2988) (-)

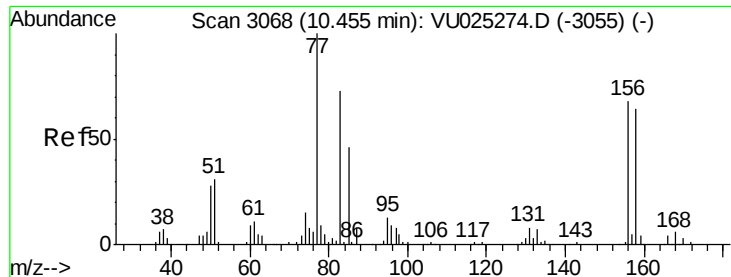
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU025281.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025281.D (-2988) (-)

Time-->



#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

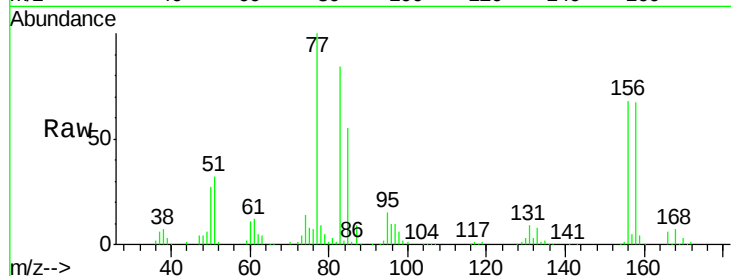
Tot Ion:156 Resp: 112298

Ion Ratio Lower Upper

156 100

77 150.0 73.8 221.4

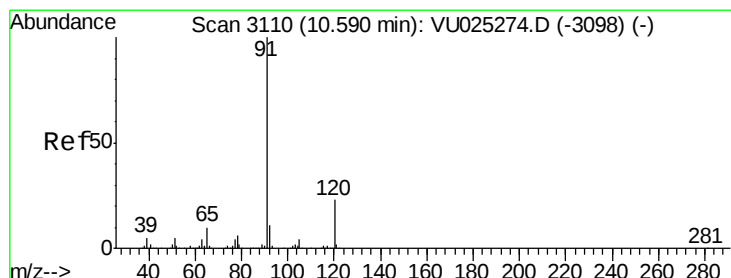
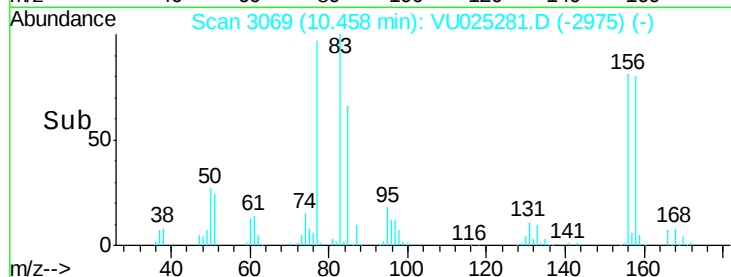
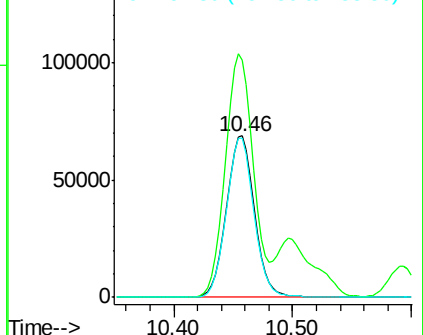
158 97.0 48.0 144.0



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

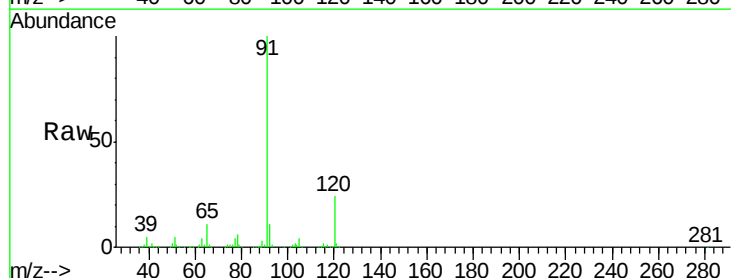
Acq: 10 Jul 2018 11:33

Tgt Ion: 91 Resp: 504425

Ion Ratio Lower Upper

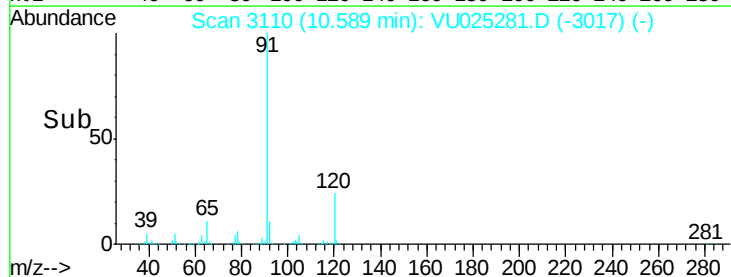
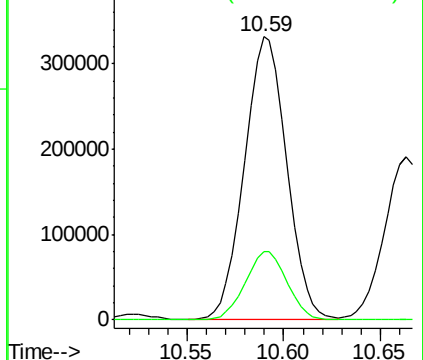
91 100

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

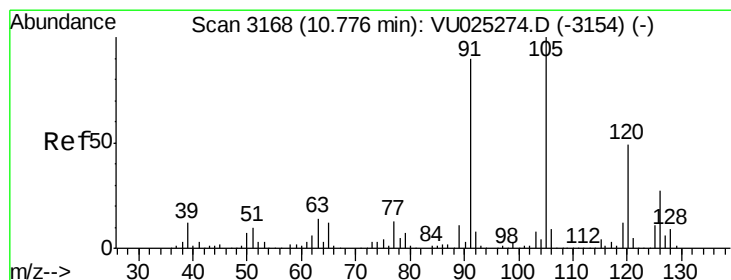
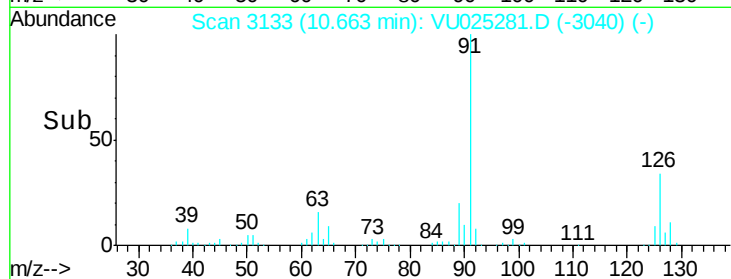
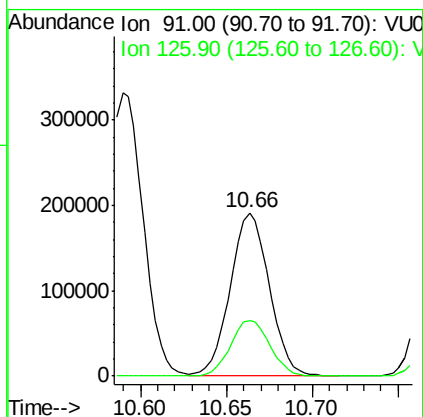
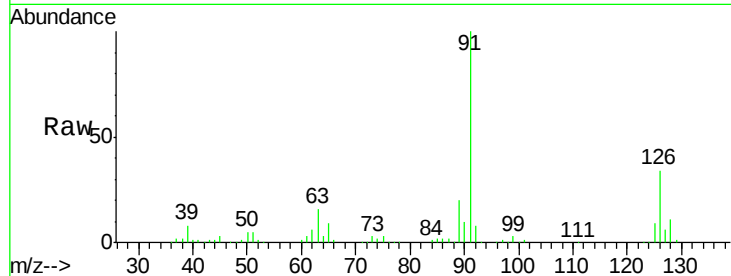




#79
 2-Chlorotoluene
 Concen: 49.79 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

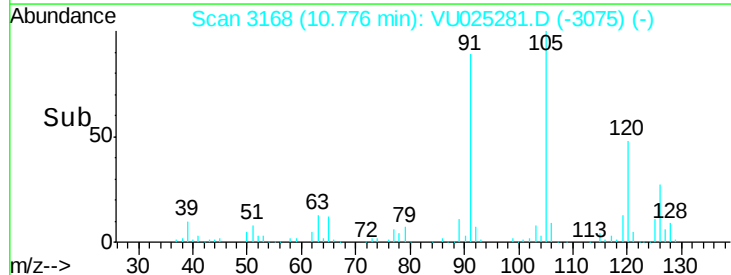
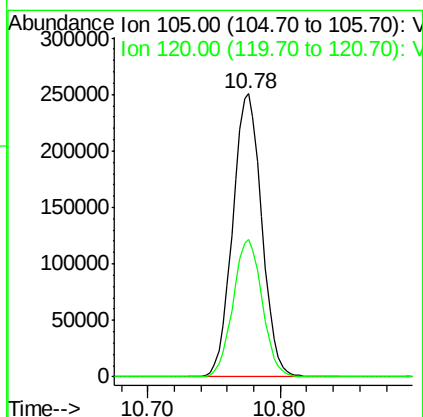
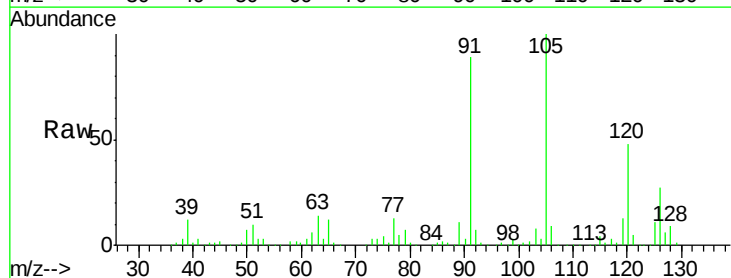
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

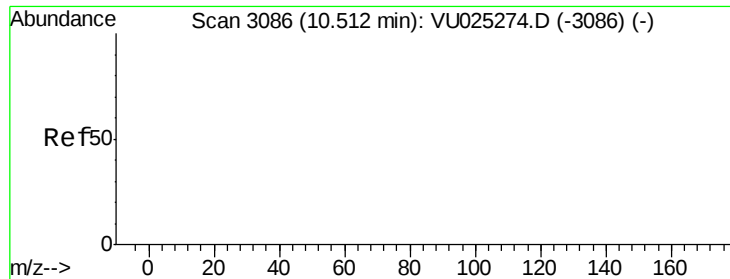
Tot Ion: 91 Resp: 301483
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.5 52.6



#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

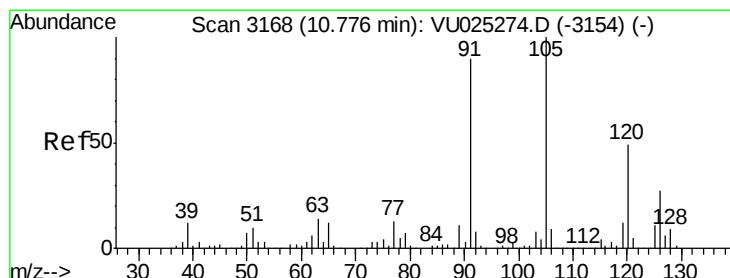
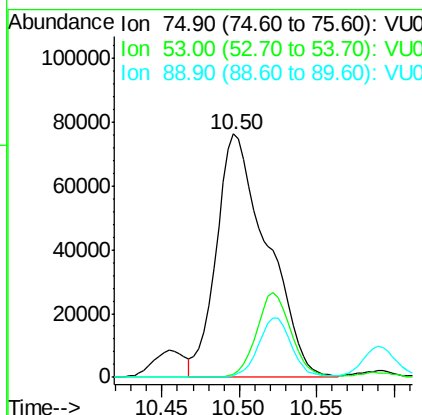
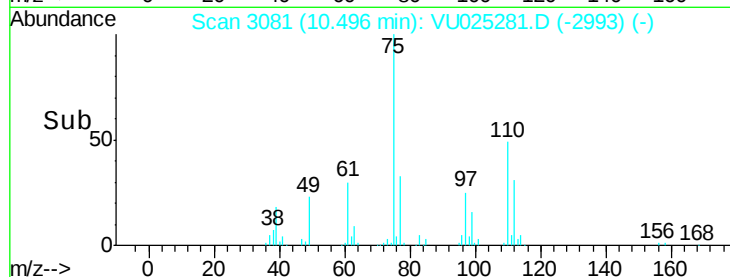
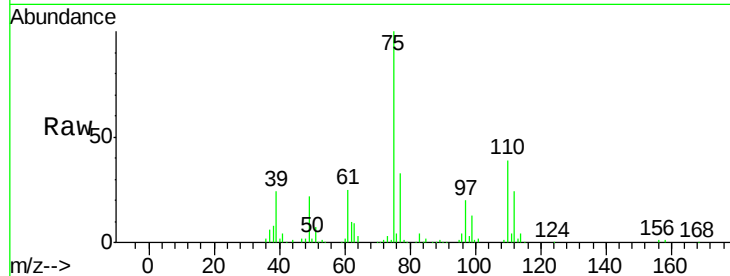




#81
trans-1,4-Dichloro-2-butene
Concen: 175.93 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

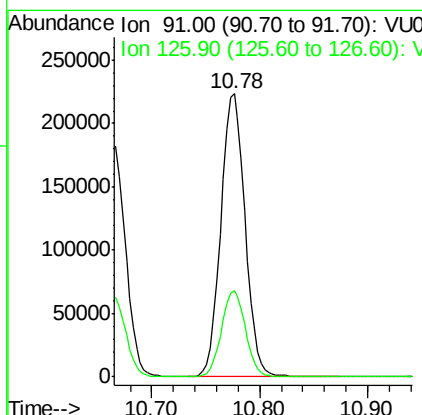
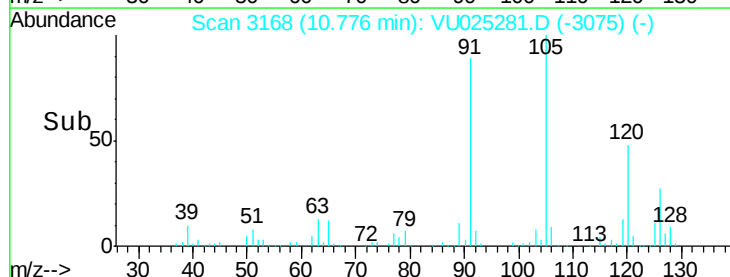
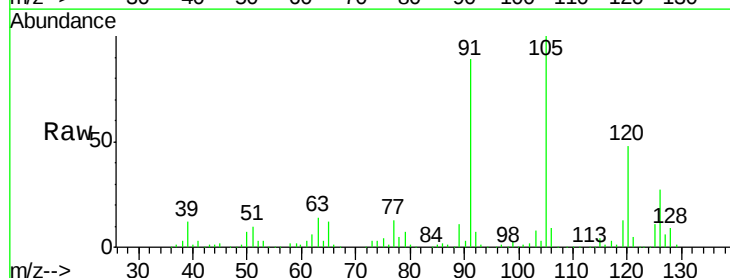
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 174337
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#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: 91 Resp: 347673
Ion Ratio Lower Upper
91 100
126 30.4 15.3 45.9

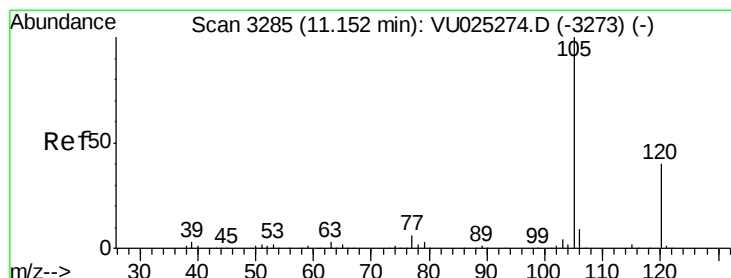
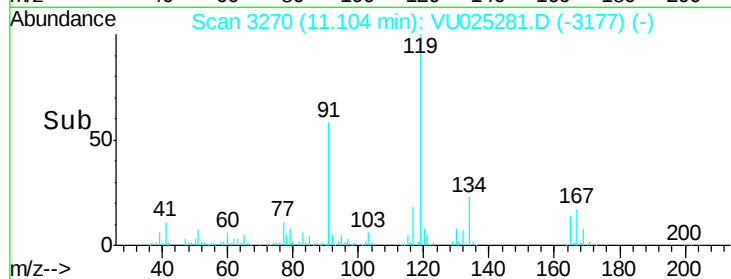
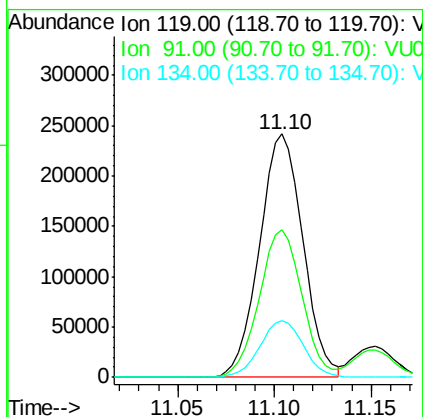
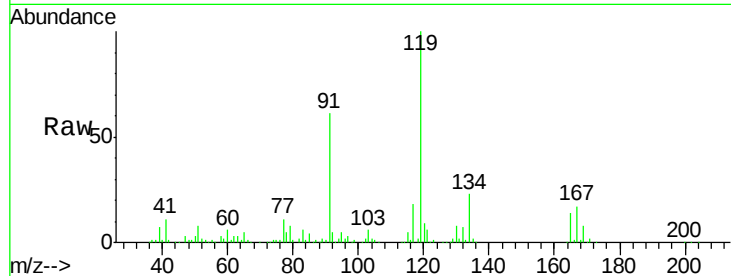




#83
 tert-Butylbenzene
 Concen: 46.68 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

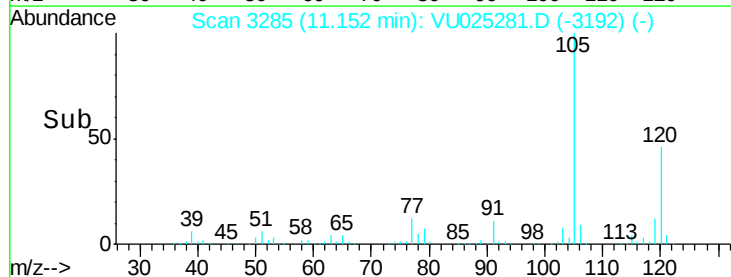
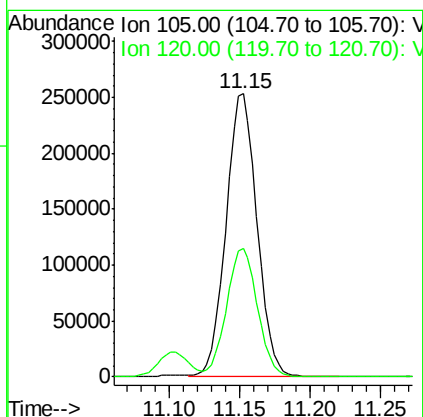
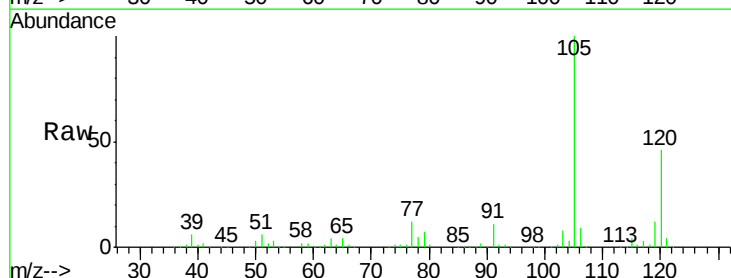
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

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



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

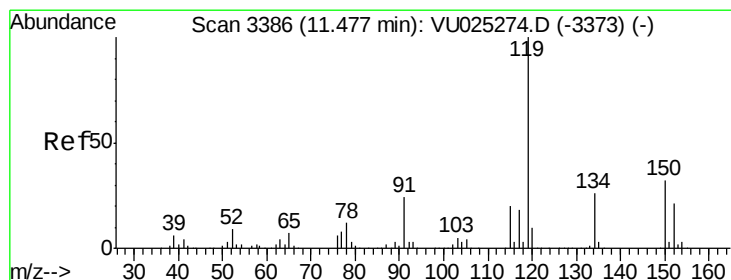
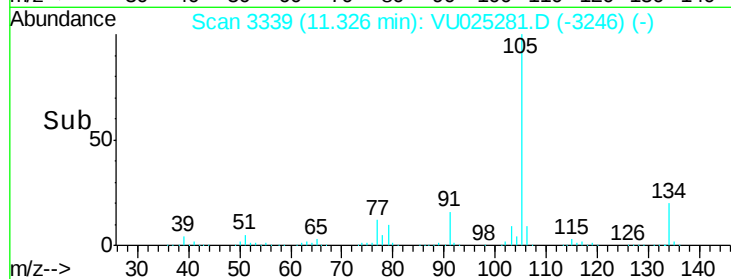
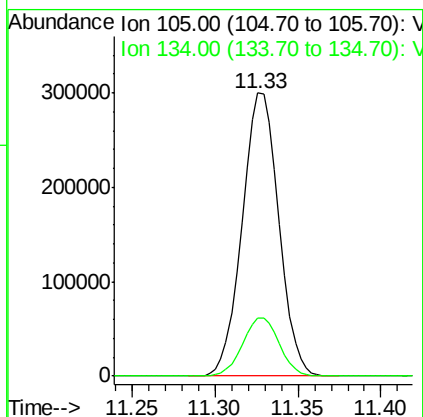
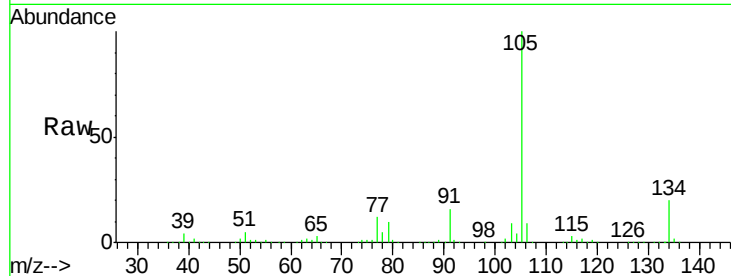




#85
 sec-Butylbenzene
 Concen: 48.30 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

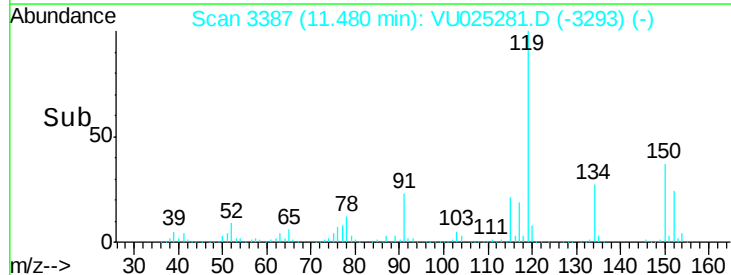
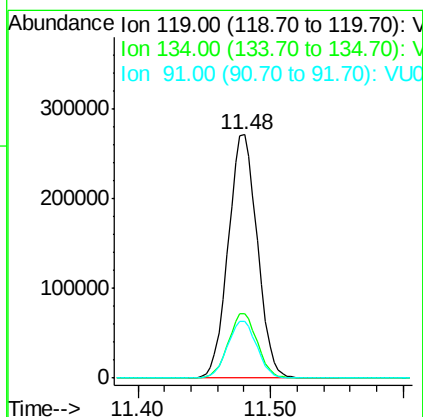
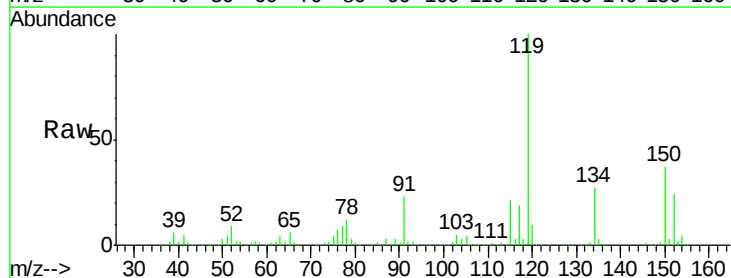
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

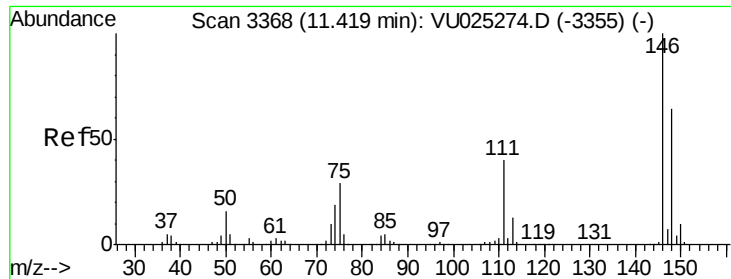
Tot Ion:105 Resp: 459602
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#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

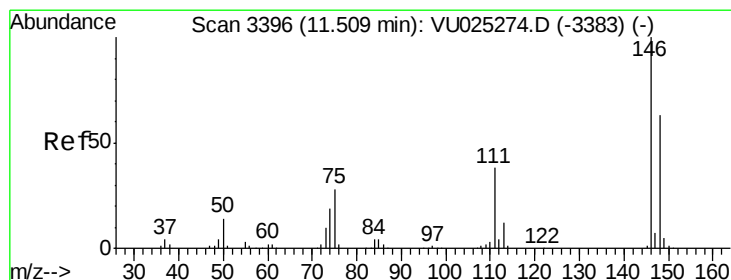
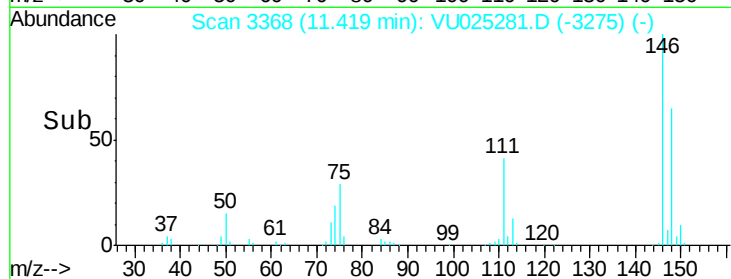
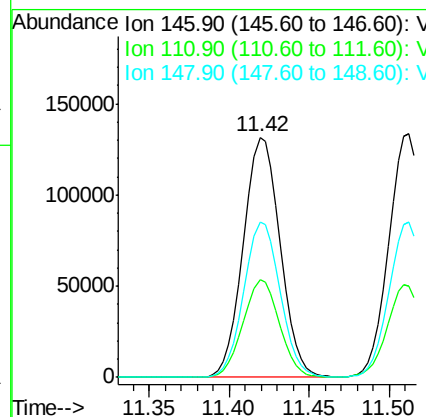
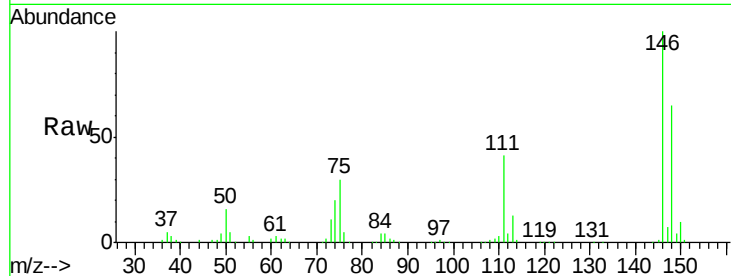




#87
 1,3-Dichlorobenzene
 Concen: 46.46 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

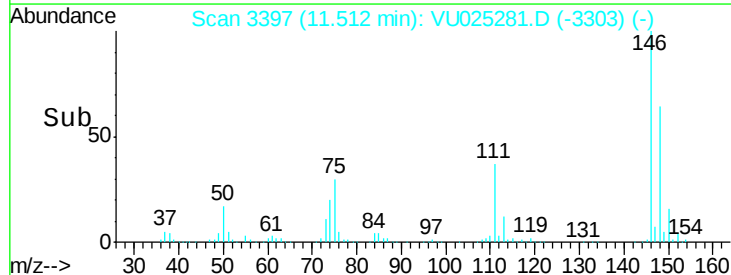
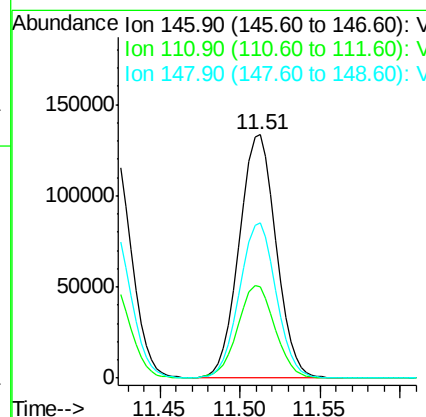
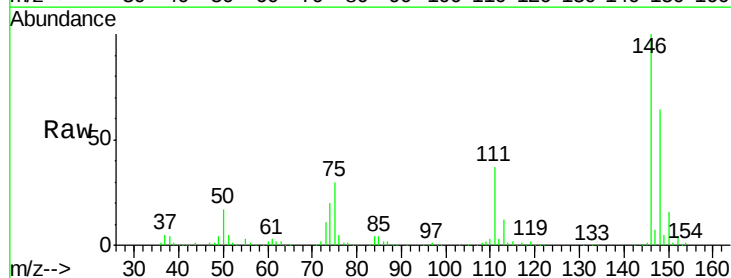
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

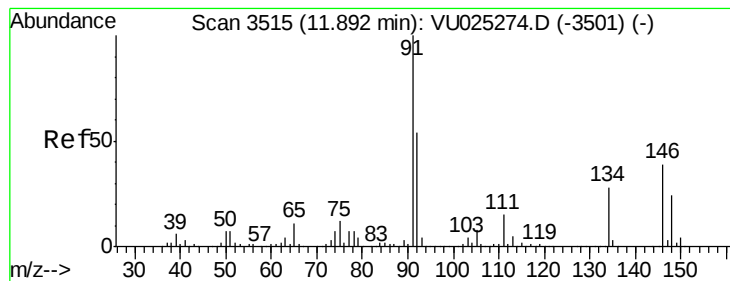
Tot Ion:146 Resp: 206439
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.7 59.1
 148 63.9 32.1 96.3



#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:146 Resp: 208997
 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

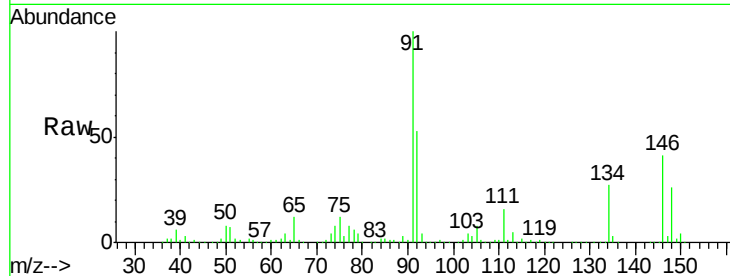
Tot Ion: 91 Resp: 338637

Ion Ratio Lower Upper

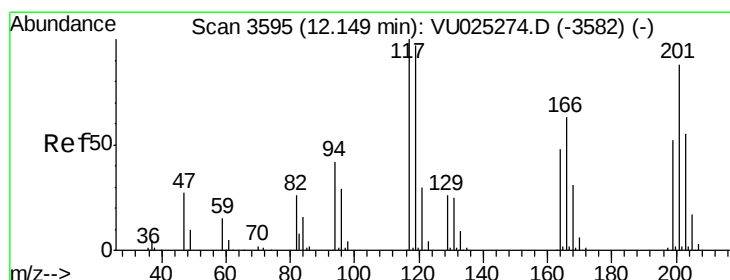
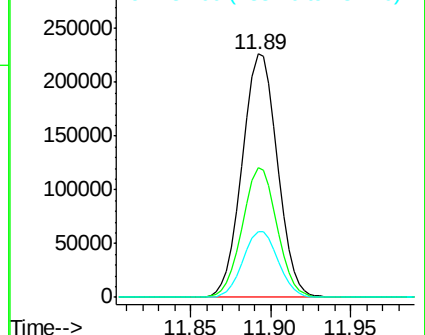
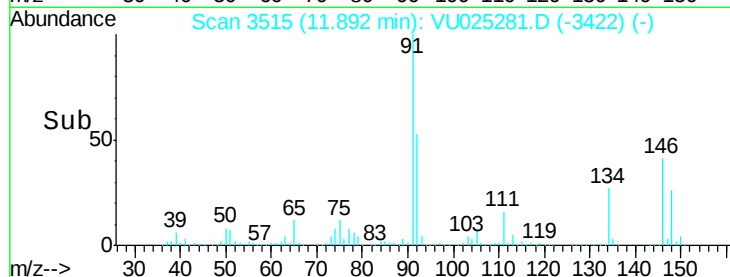
91 100

92 52.7 26.5 79.5

134 27.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): 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

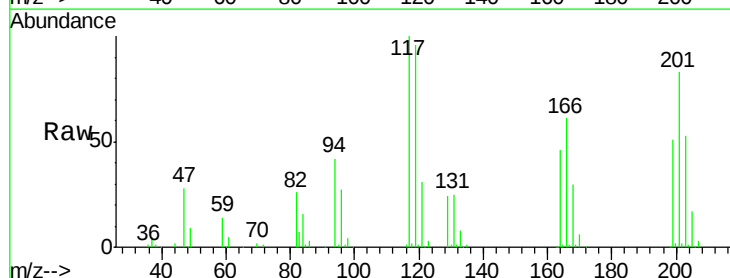
Acq: 10 Jul 2018 11:33

Tgt Ion: 117 Resp: 68514

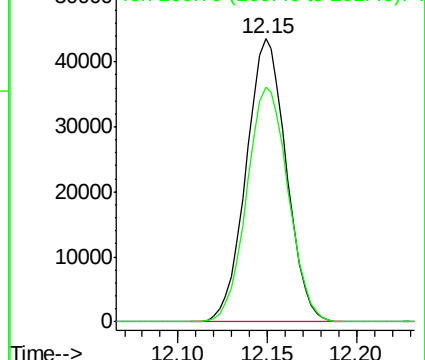
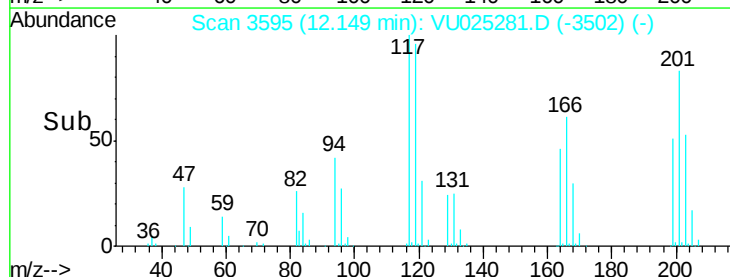
Ion Ratio Lower Upper

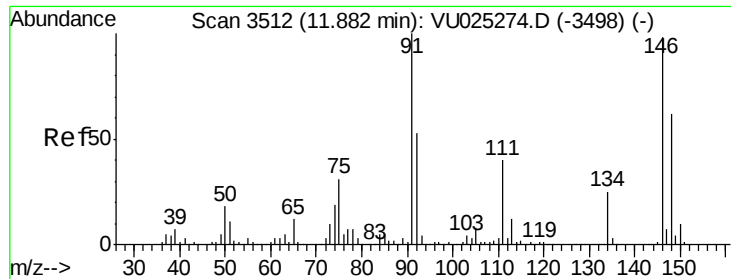
117 100

201 85.5 42.5 127.6



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

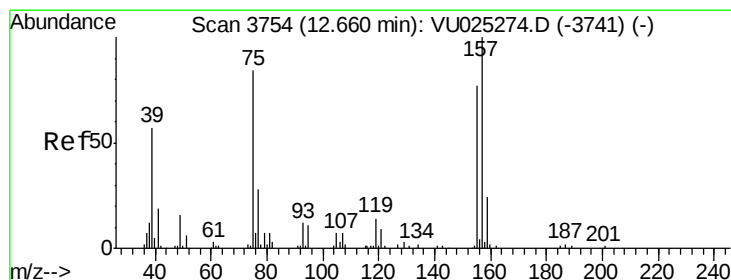
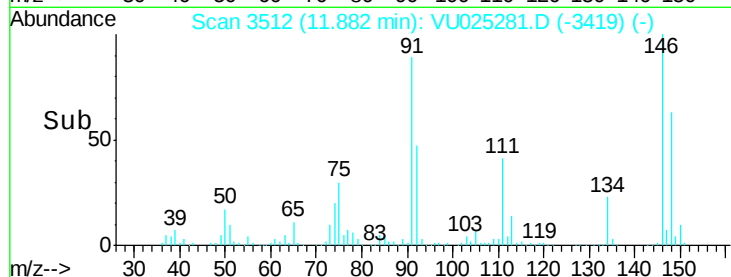
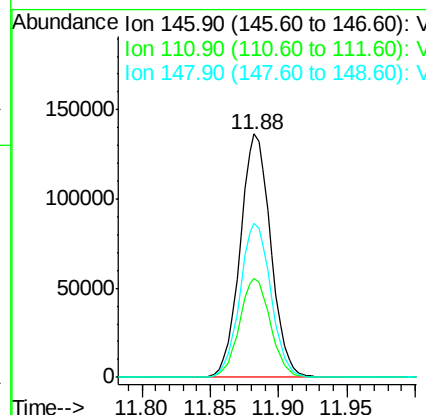
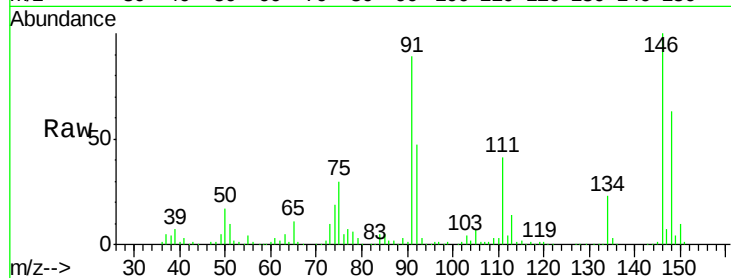




#91
 1,2-Dichlorobenzene
 Concen: 47.21 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

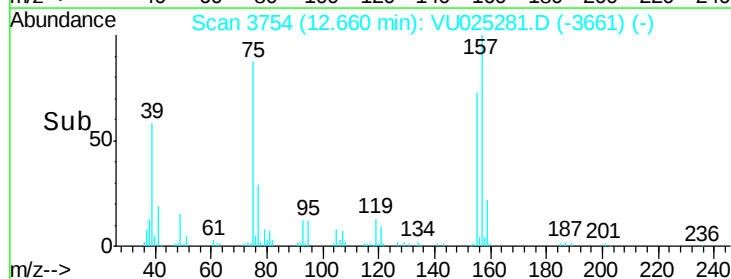
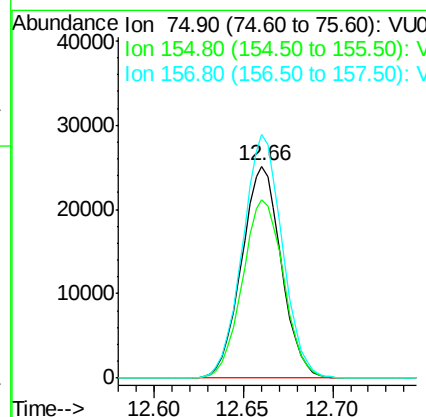
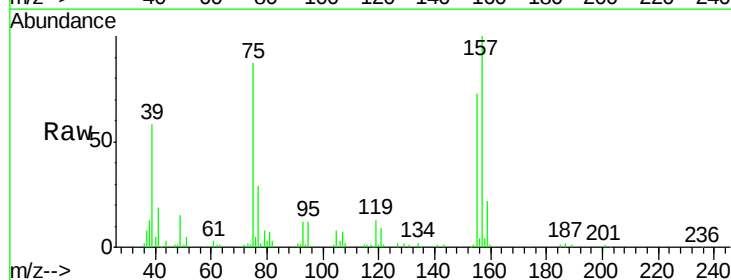
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

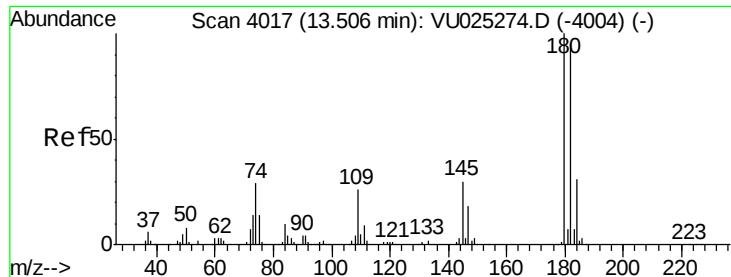
Tot Ion:146 Resp: 211838
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.6 61.8
 148 64.2 31.5 94.5



#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: 75 Resp: 38903
 Ion Ratio Lower Upper
 75 100
 155 87.4 44.5 133.3
 157 115.6 57.0 170.8

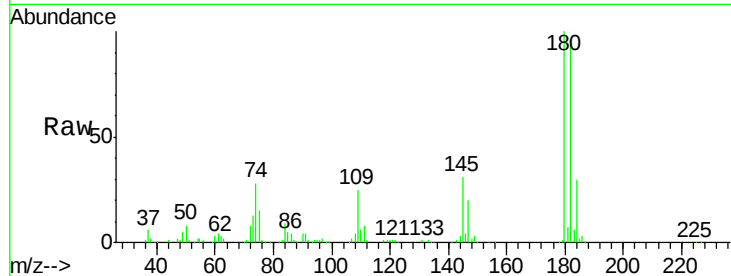




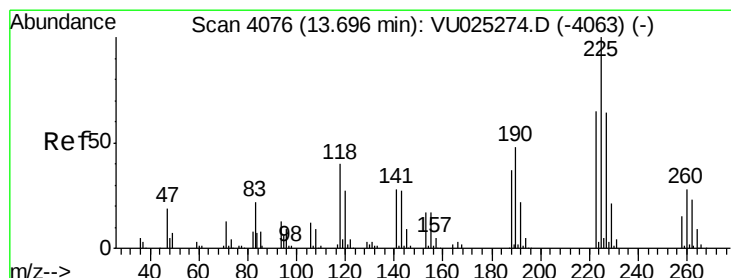
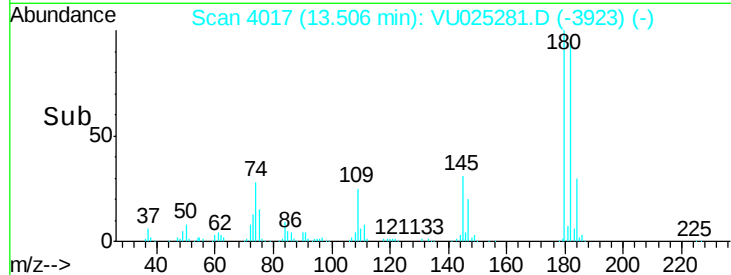
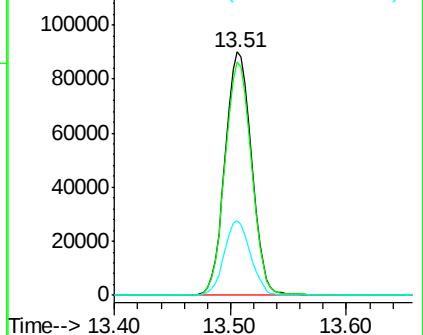
#93
 1,2,4-Trichlorobenzene
 Concen: 47.51 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

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

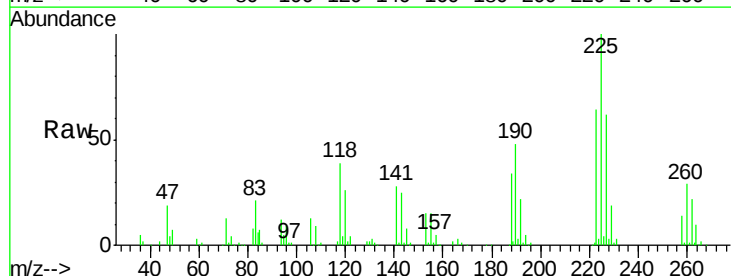


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

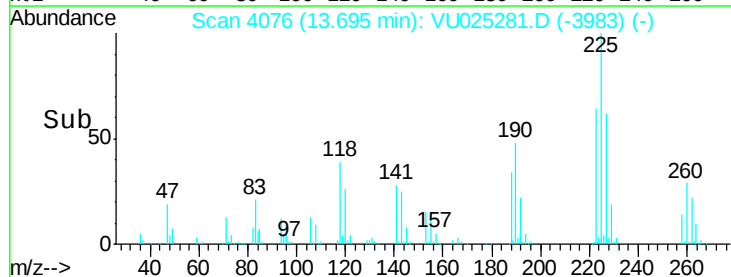
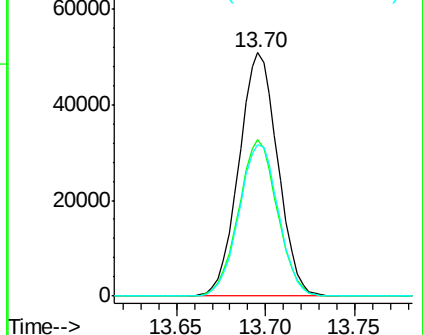


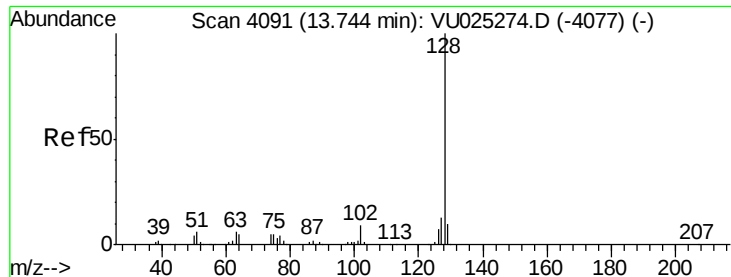
#94
 Hexachlorobutadiene
 Concen: 48.15 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025281.D
 Acq: 10 Jul 2018 11:33

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

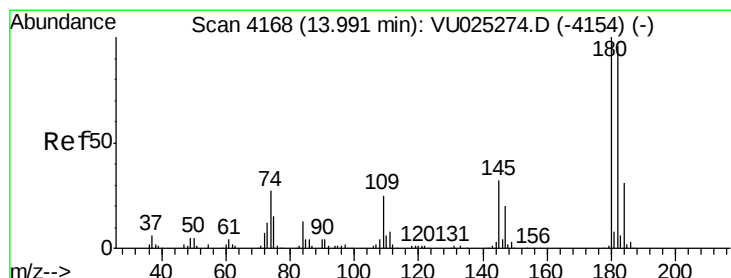
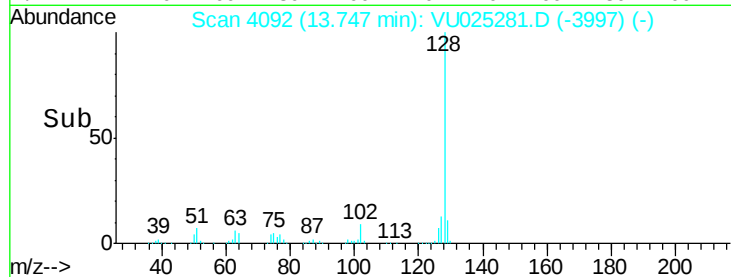
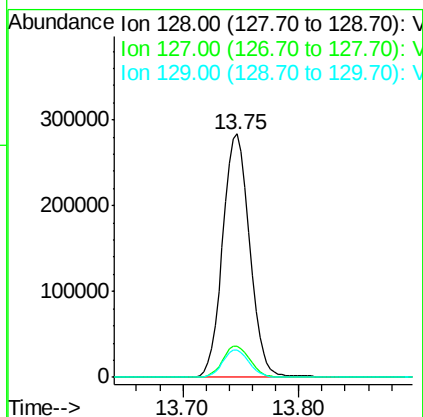
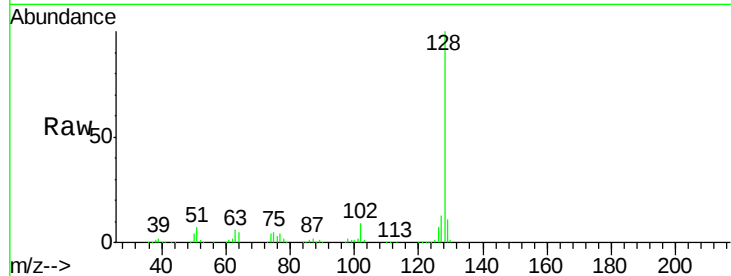




#95
Naphthalene
Concen: 50.08 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025281.D
Acq: 10 Jul 2018 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 457426
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.3 12.5



#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:180 Resp: 151434
Ion Ratio Lower Upper
180 100
182 94.6 47.8 143.3
145 31.0 15.6 46.8

