

Data File : VU025905.D
Acq On : 06 Aug 2018 22:46
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 07 01:07:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166574	50.00	ug/l	0.00

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

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	106555	39.199	ug/l	100
3) Chloromethane	1.33	50	108219	41.652	ug/l	99
4) Vinyl Chloride	1.40	62	115307	47.159	ug/l	98
5) Bromomethane	1.62	94	64797	54.259	ug/l	99
6) Chloroethane	1.70	64	69243	48.431	ug/l	97
7) Trichlorofluoromethane	1.89	101	172203	48.711	ug/l	98
8) Diethyl Ether	2.10	74	62187	48.617	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	101036	49.386	ug/l	99
10) Methyl Iodide	2.41	142	79231	42.979	ug/l	99
11) Tert butyl alcohol	2.83	59	140701	229.329	ug/l	99
12) 1,1-Dichloroethene	2.28	96	97050	50.256	ug/l	94
13) Acrolein	2.19	56	90461	408.415	ug/l	98
14) Allyl chloride	2.59	41	166175	47.884	ug/l	99
15) Acrylonitrile	2.94	53	326131	266.235	ug/l	100
16) Acetone	2.32	43	361743	264.771	ug/l	98
17) Carbon Disulfide	2.48	76	307591	49.216	ug/l	100
18) Methyl Acetate	2.62	43	151776	46.155	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	370673	52.968	ug/l	100
20) Methylene Chloride	2.70	84	117248	48.423	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	113062	50.647	ug/l	98
22) Diisopropyl ether	3.58	45	363268	53.120	ug/l	94
23) Vinyl Acetate	3.53	43	1601982	268.801	ug/l	99
24) 1,1-Dichloroethane	3.45	63	210767	51.342	ug/l	99
25) 2-Butanone	4.27	43	571717	307.401	ug/l	99
26) 2,2-Dichloropropane	4.23	77	154579	41.428	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128697	51.135	ug/l	97
28) Bromochloromethane	4.55	49	93590	50.990	ug/l	99
29) Tetrahydrofuran	4.64	42	289123	259.477	ug/l	99
30) Chloroform	4.68	83	217775	50.258	ug/l	100
31) Cyclohexane	5.00	56	184741	51.783	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	201850	51.740	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163693	51.394	ug/l	98
37) Ethyl Acetate	4.38	43	174052	52.702	ug/l	100
38) Carbon Tetrachloride	5.14	117	184627	51.178	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182651	50.050	ug/l	98
40) Benzene	5.39	78	463187	49.751	ug/l	99
41) Methacrylonitrile	4.55	41	95175	51.885	ug/l	97
42) 1,2-Dichloroethane	5.41	62	179877	50.176	ug/l	99
43) Isopropyl Acetate	5.55	43	279576	51.228	ug/l	98
44) Trichloroethene	6.19	130	131018	50.532	ug/l	98
45) 1,2-Dichloropropane	6.44	63	123070	50.686	ug/l	99
46) Dibromomethane	6.56	93	88757	50.448	ug/l	98
47) Bromodichloromethane	6.76	83	172425	51.378	ug/l	98
48) Methyl methacrylate	6.63	41	139158	52.026	ug/l	97
49) 1,4-Dioxane	6.62	88	59324	911.416	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1110830	325.116	ug/l	100
52) Toluene	7.64	92	296952	51.341	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	194821	51.702	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	198218	51.209	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	123195	51.253	ug/l	97
56) Ethyl methacrylate	8.02	69	186049	54.173	ug/l	97
57) 1,3-Dichloropropane	8.25	76	207581	51.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	349307	225.325	ug/l	99
59) 2-Hexanone	8.36	43	863929	322.567	ug/l	100
60) Dibromochloromethane	8.48	129	147012	51.864	ug/l	99
61) 1,2-Dibromoethane	8.59	107	136802	51.175	ug/l	99
64) Tetrachloroethene	8.23	164	120388	51.340	ug/l	98
65) Chlorobenzene	9.12	112	345677	50.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	132128	53.175	ug/l	99
67) Ethyl Benzene	9.25	91	583927	51.323	ug/l	100
68) m/p-Xylenes	9.38	106	457271	104.685	ug/l	100
69) o-Xylene	9.78	106	223268	52.299	ug/l	100
70) Styrene	9.80	104	373116	54.109	ug/l	98
71) Bromoform	9.96	173	116076	53.875	ug/l #	100
73) Isopropylbenzene	10.17	105	596566	52.473	ug/l	100
74) N-amyl acetate	10.01	43	254341	54.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	198790	50.563	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	232635	63.386	ug/l	85
77) Bromobenzene	10.45	156	159431	50.841	ug/l	98
78) n-propylbenzene	10.59	91	696916	52.520	ug/l	99
79) 2-Chlorotoluene	10.66	91	410166	52.773	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	511395	52.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	232635	158.939	ug/l #	100
82) 4-Chlorotoluene	10.78	91	487697	53.232	ug/l	99
83) tert-Butylbenzene	11.10	119	492197	51.307	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	529410	54.108	ug/l	98
85) sec-Butylbenzene	11.33	105	600739	51.290	ug/l	100
86) p-Isopropyltoluene	11.48	119	542714	51.747	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	294994	50.680	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	299943	49.434	ug/l	100
89) n-Butylbenzene	11.89	91	477399	49.327	ug/l	100
90) Hexachloroethane	12.15	117	93843	50.326	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	293518	51.445	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48337	51.860	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
Quantitation Report (Not Reviewed)

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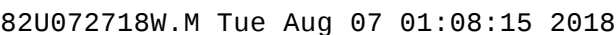
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

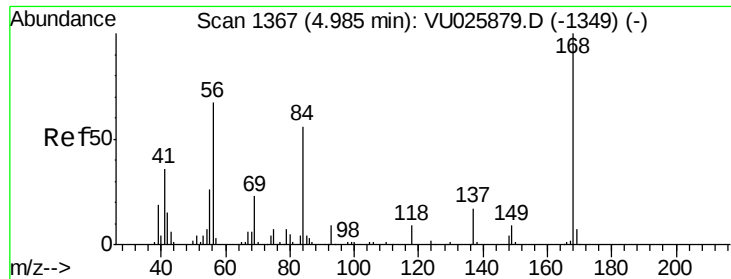
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 00:49:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	201898	52.431	ug/l	99
94) Hexachlorobutadiene	13.70	225	88378	43.539	ug/l	96
95) Naphthalene	13.74	128	625196	50.533	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202909	52.823	ug/l	100

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

Quant Time: Aug 07 01:07:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

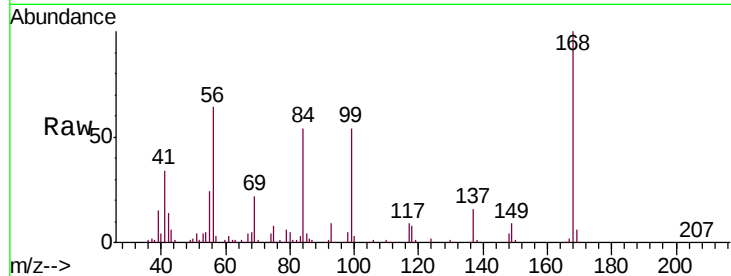
VSTDCCC050EC

Tgt Ion:168 Resp: 179854

Ion Ratio Lower Upper

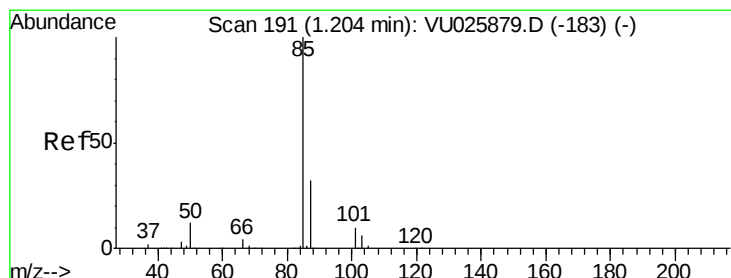
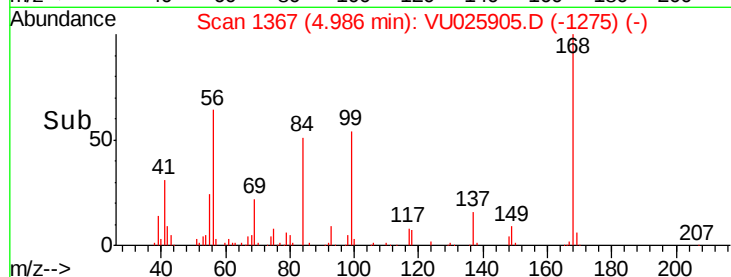
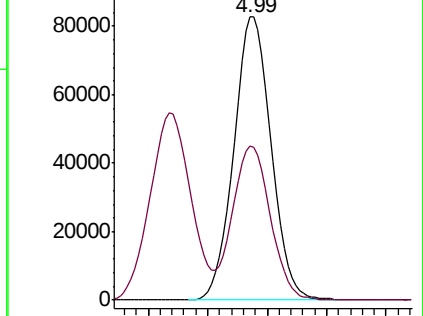
168 100

99 54.1 42.8 64.2



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

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



#2

Dichlorodifluoromethane

Concen: 39.199 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025905.D

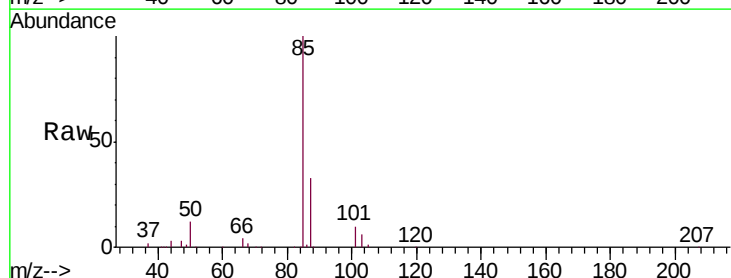
Acq: 06 Aug 2018 22:46

Tgt Ion: 85 Resp: 106555

Ion Ratio Lower Upper

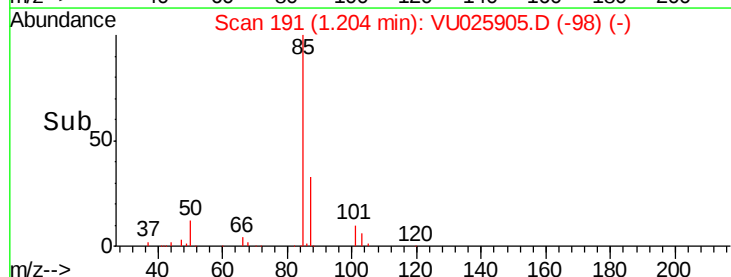
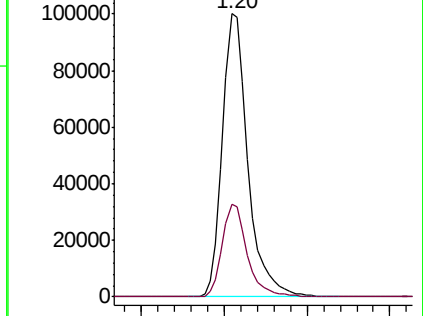
85 100

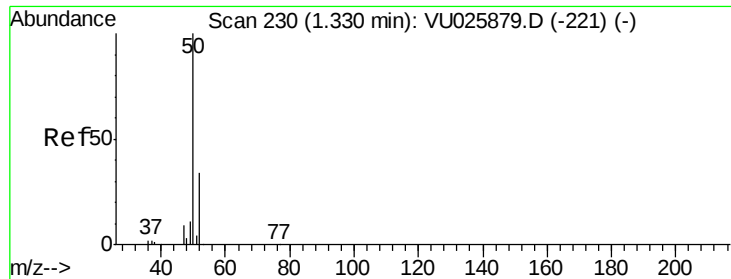
87 32.9 16.5 49.5



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

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





#3

Chloromethane

Concen: 41.652 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

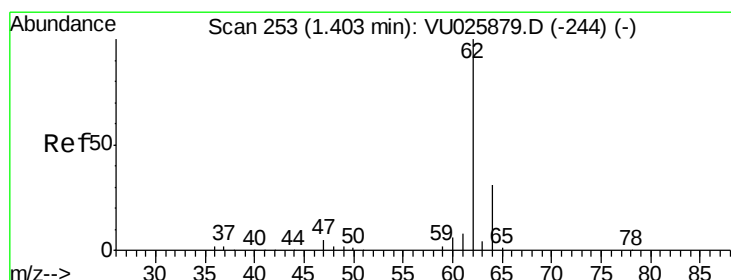
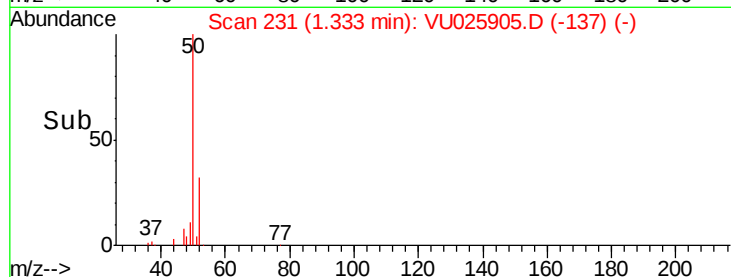
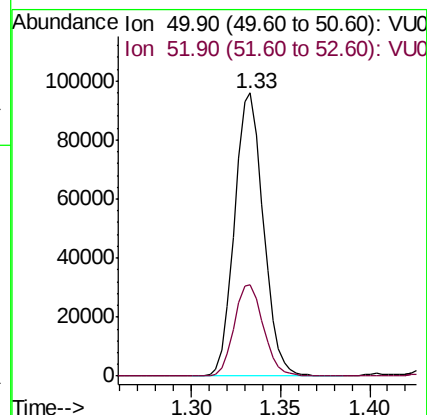
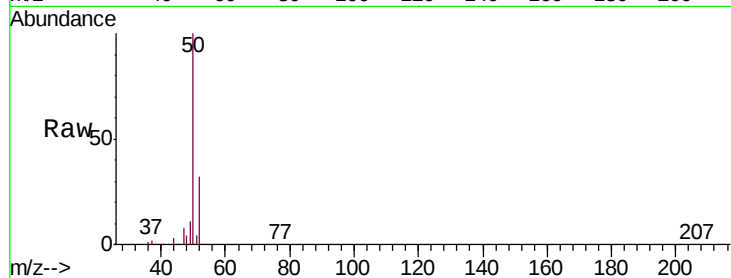
VSTDCCC050EC

Tgt Ion: 50 Resp: 108219

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



#4

Vinyl Chloride

Concen: 47.159 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025905.D

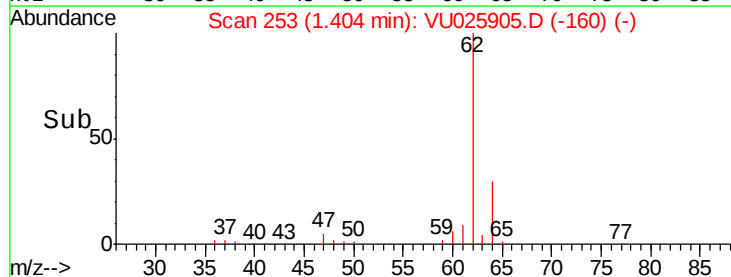
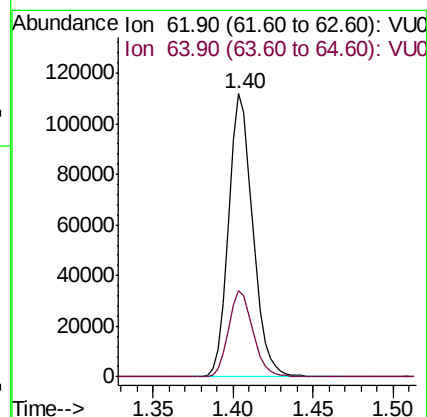
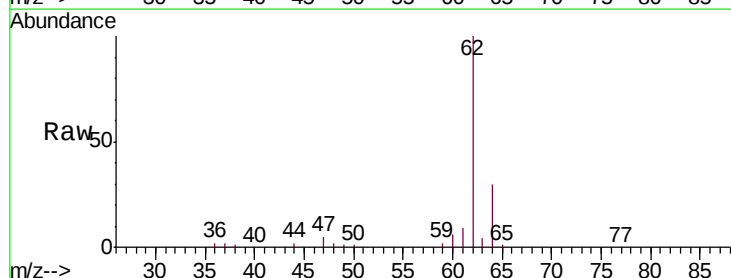
Acq: 06 Aug 2018 22:46

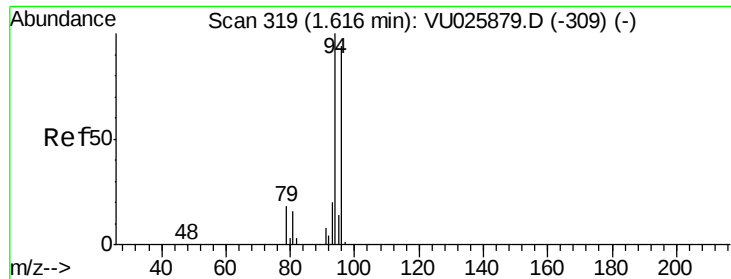
Tgt Ion: 62 Resp: 115307

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.0





#5

Bromomethane

Concen: 54.259 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

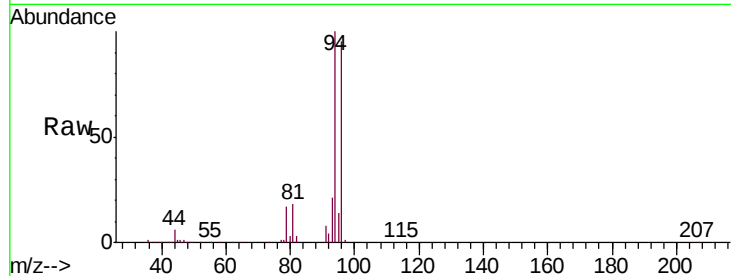
VSTDCCC050EC

Tgt Ion: 94 Resp: 64797

Ion Ratio Lower Upper

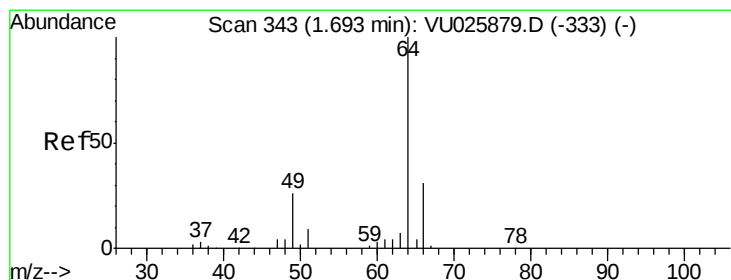
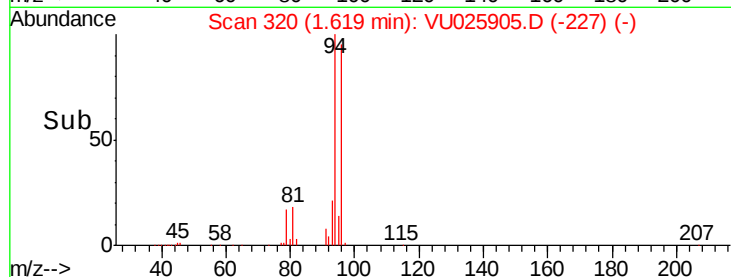
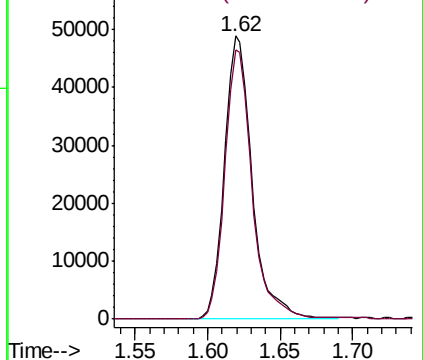
94 100

96 95.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.431 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025905.D

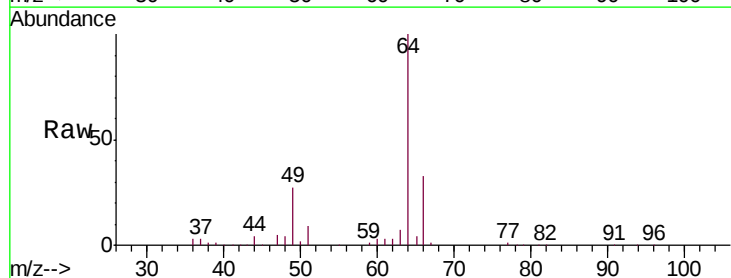
Acq: 06 Aug 2018 22:46

Tgt Ion: 64 Resp: 69243

Ion Ratio Lower Upper

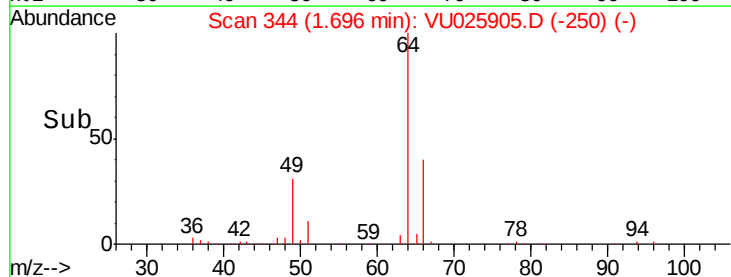
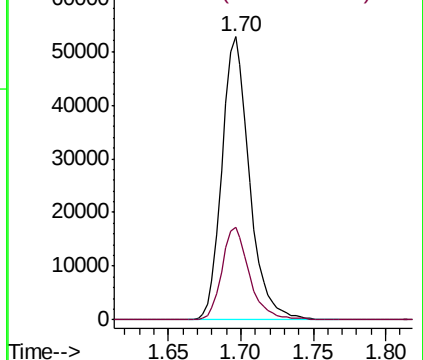
64 100

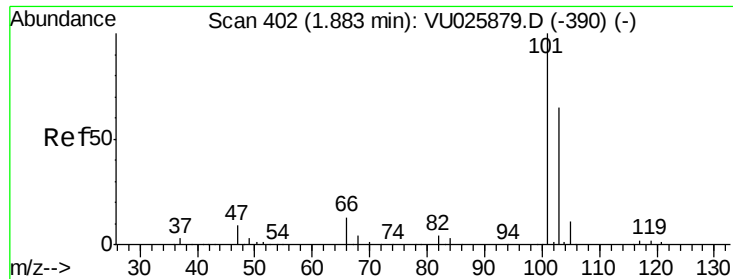
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



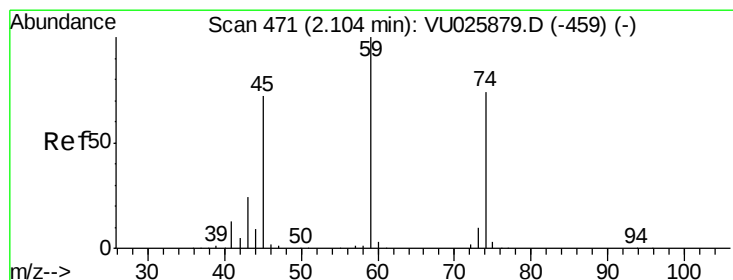
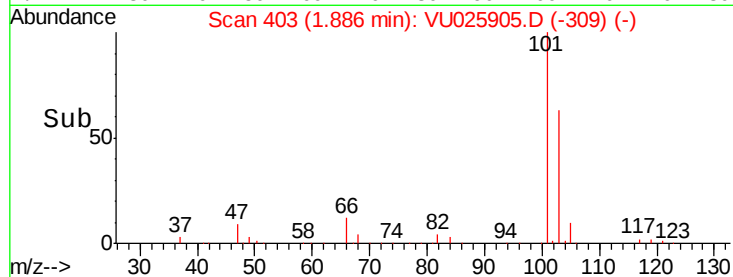
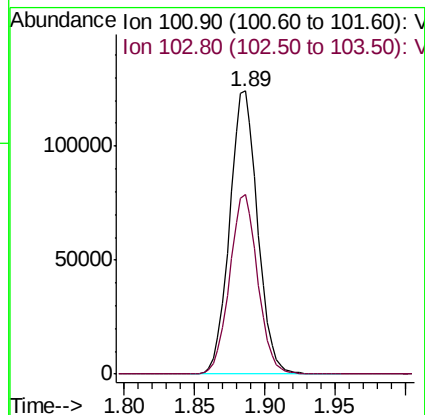
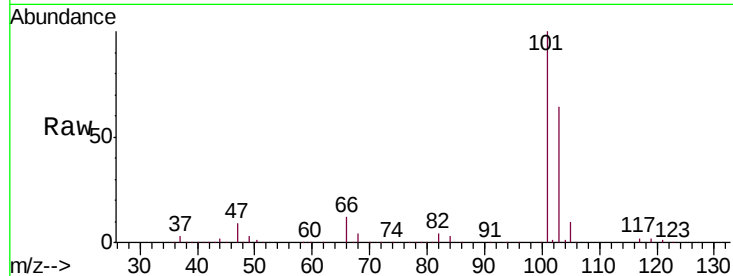


#7

Trichlorofluoromethane
 Concen: 48.711 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025905.D
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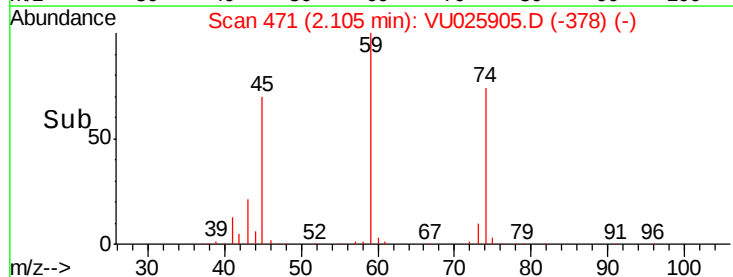
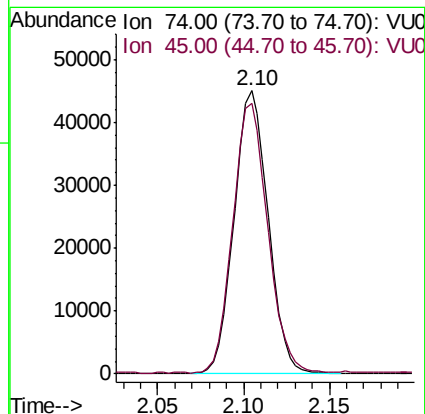
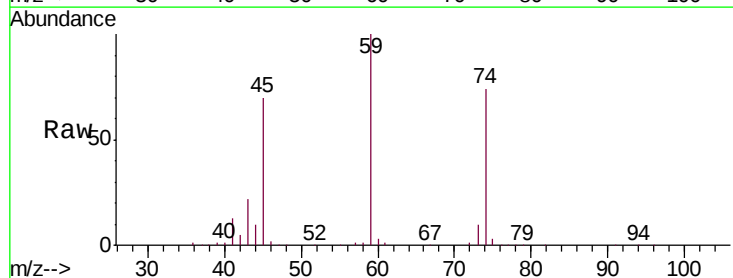
Tgt Ion:101 Resp: 172203
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.2

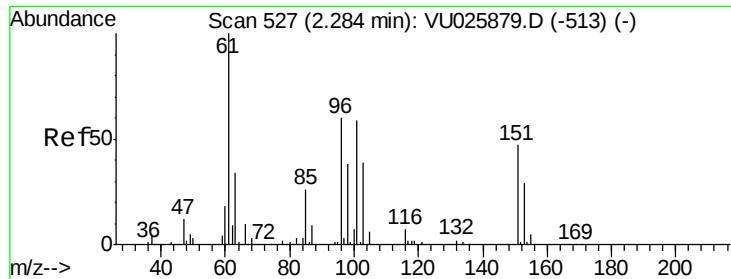


#8

Diethyl Ether
 Concen: 48.617 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.386 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

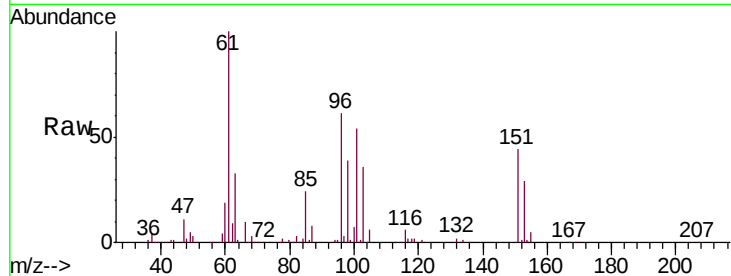
Tgt Ion:101 Resp: 101036

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

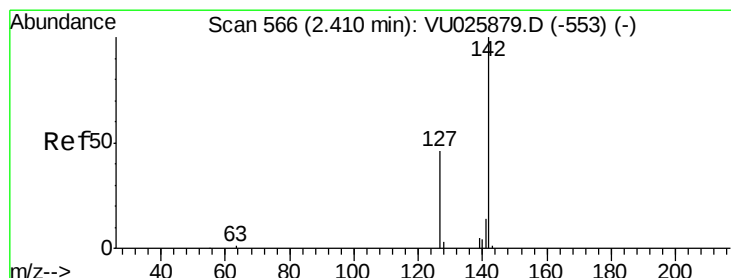
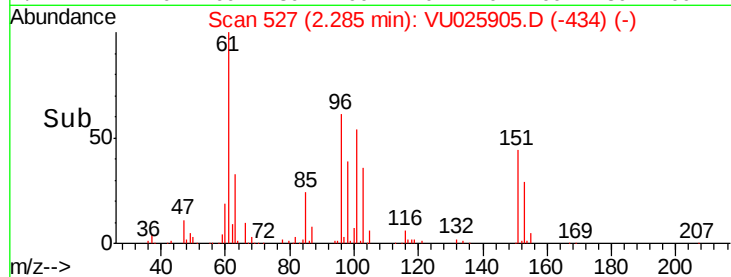
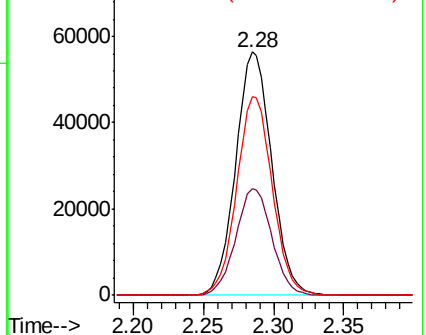
151 80.8 65.6 98.4



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: 42.979 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

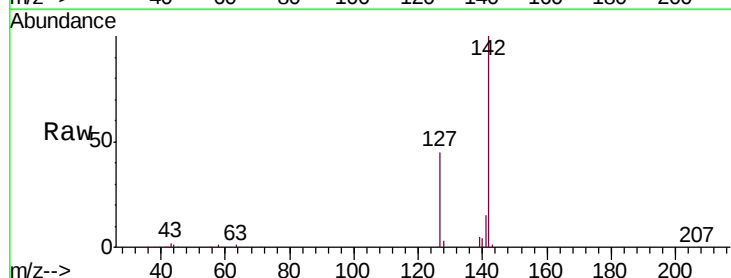
Tgt Ion:142 Resp: 79231

Ion Ratio Lower Upper

142 100

127 44.4 36.5 54.7

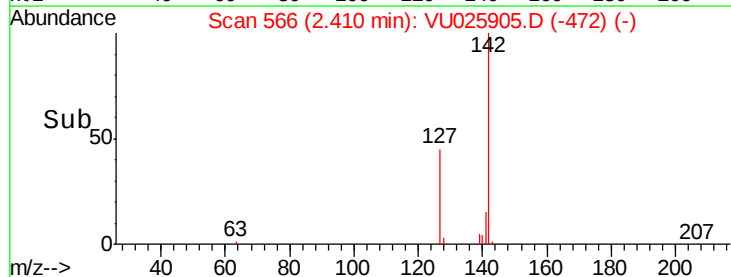
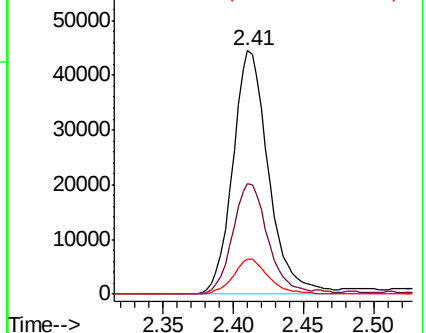
141 14.4 11.4 17.2

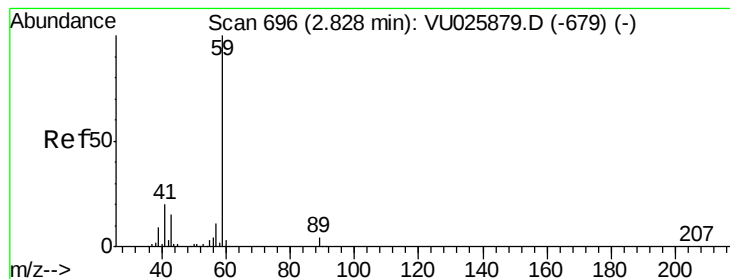


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



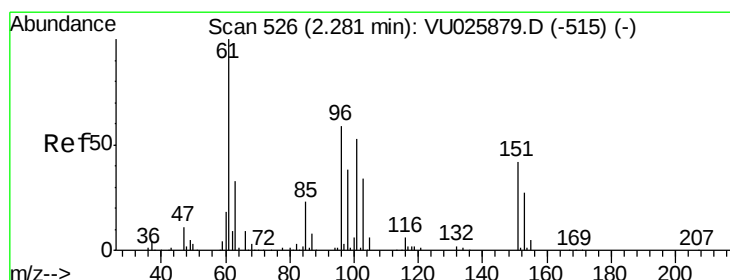
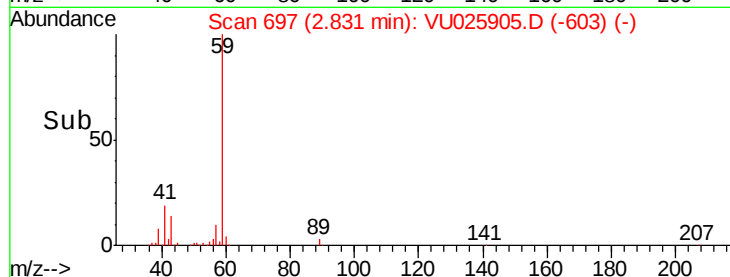
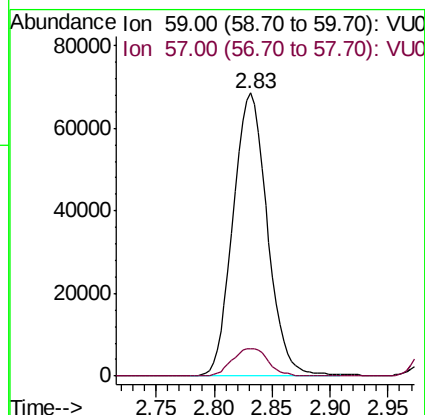
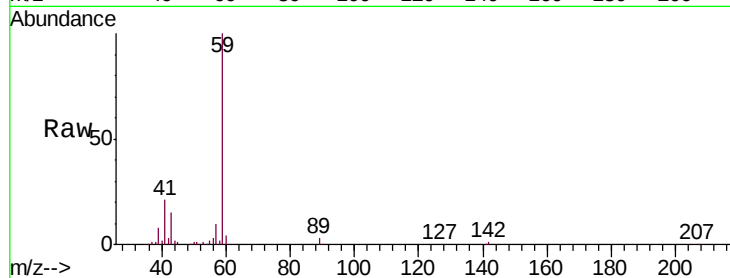


#11

Tert butyl alcohol
 Concen: 229.329 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

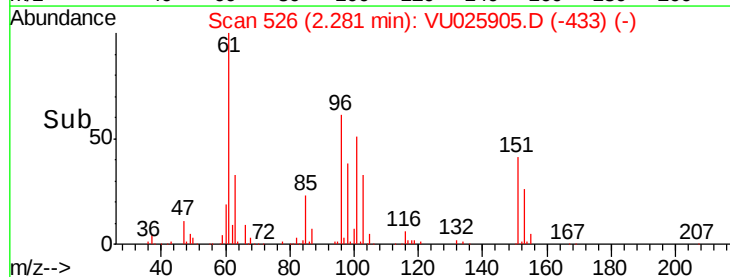
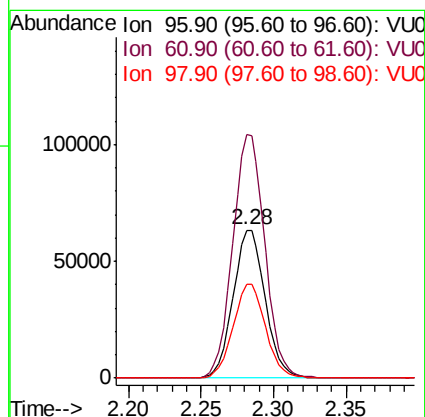
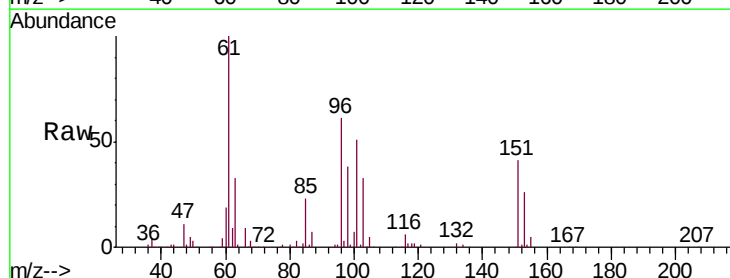
Tgt Ion: 59 Resp: 140701
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

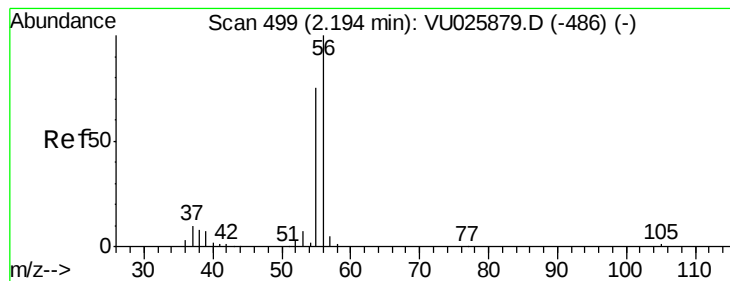


#12

1,1-Dichloroethene
 Concen: 50.256 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

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





#13

Acrolein

Concen: 408.415 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

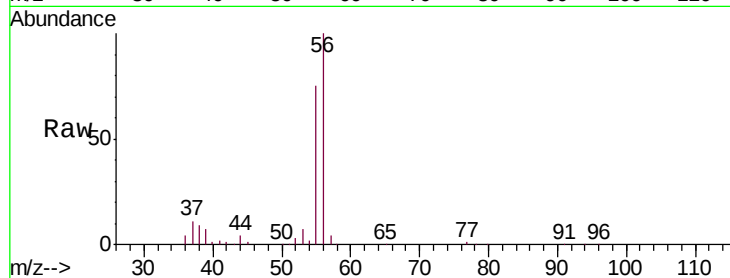
VSTDCCC050EC

Tgt Ion: 56 Resp: 90461

Ion Ratio Lower Upper

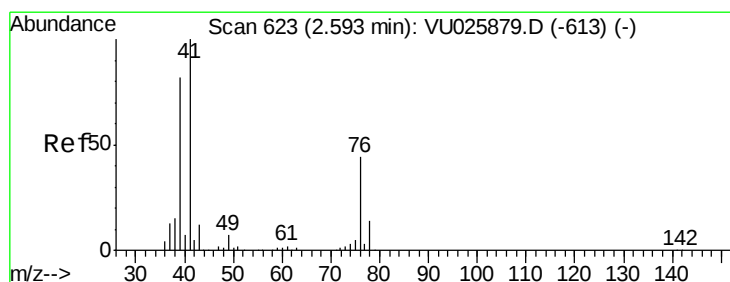
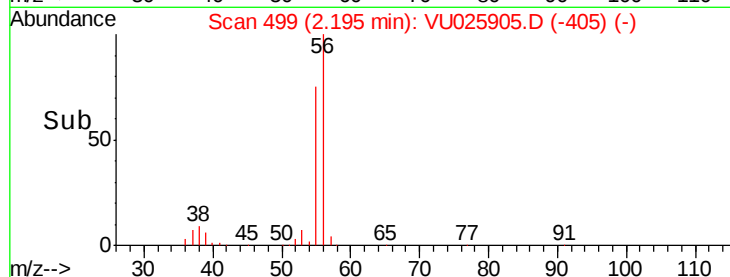
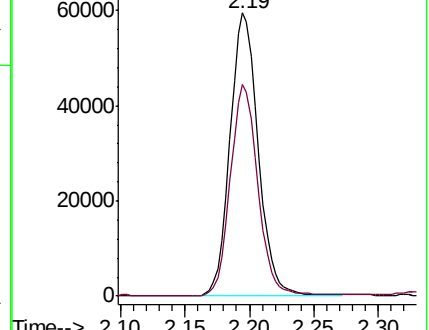
56 100

55 73.5 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU025879.D (-486) (-)

Ion 55.00 (54.70 to 55.70): VU025879.D (-486) (-)



#14

Allyl chloride

Concen: 47.884 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

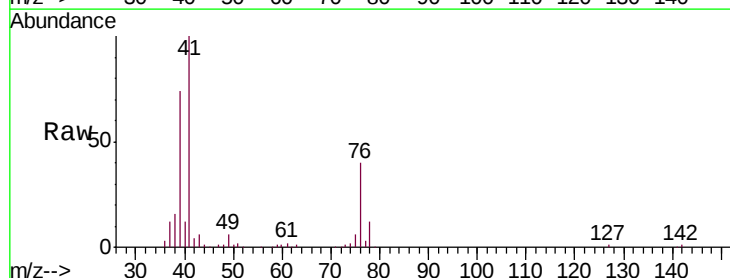
Tgt Ion: 41 Resp: 166175

Ion Ratio Lower Upper

41 100

39 74.2 60.6 91.0

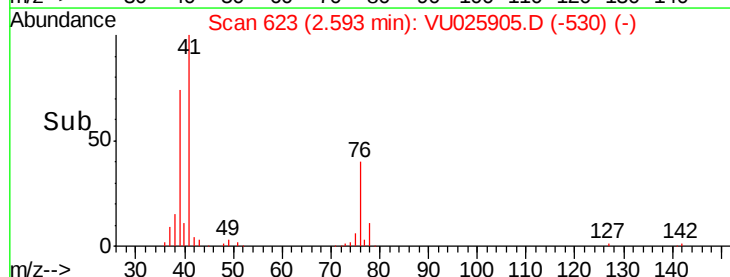
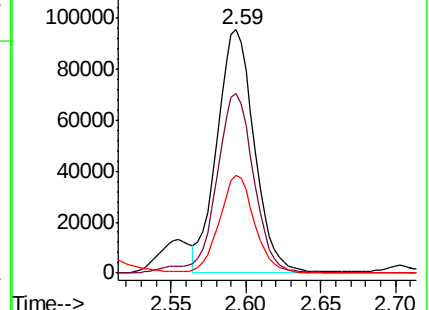
76 38.1 30.5 45.7

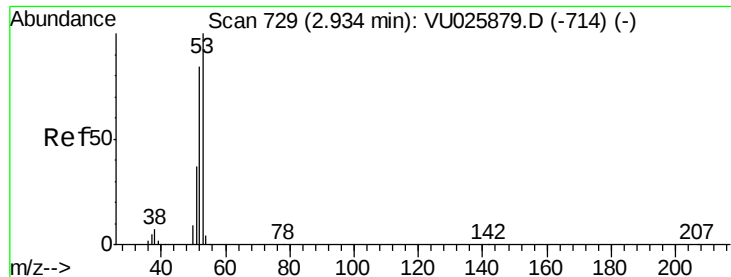


Abundance Ion 41.00 (40.70 to 41.70): VU025879.D (-613) (-)

Ion 39.00 (38.70 to 39.70): VU025879.D (-613) (-)

Ion 75.90 (75.60 to 76.60): VU025879.D (-613) (-)





#15

Acrylonitrile

Concen: 266.235 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

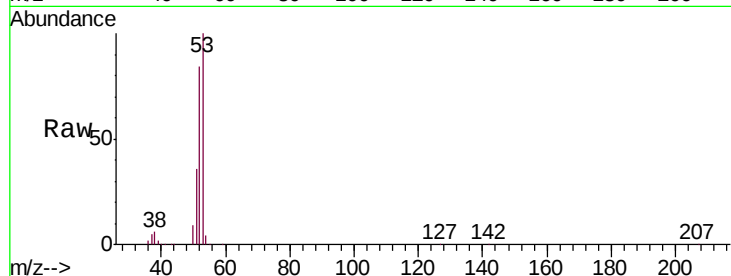
Tgt Ion: 53 Resp: 326131

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

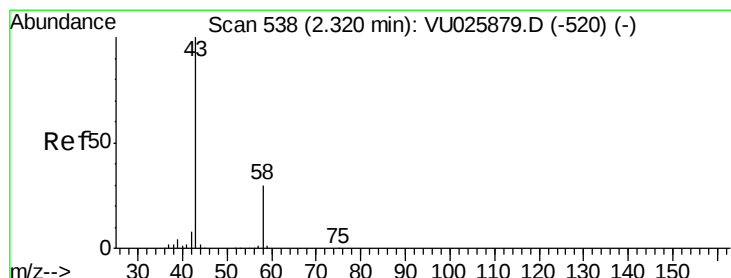
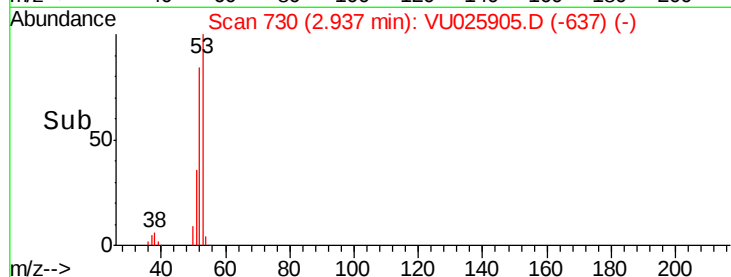
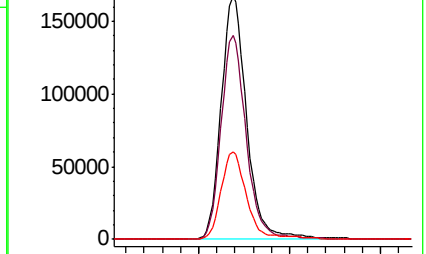
51 36.4 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU025879.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU025879.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU025879.D (-714) (-)



#16

Acetone

Concen: 264.771 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025905.D

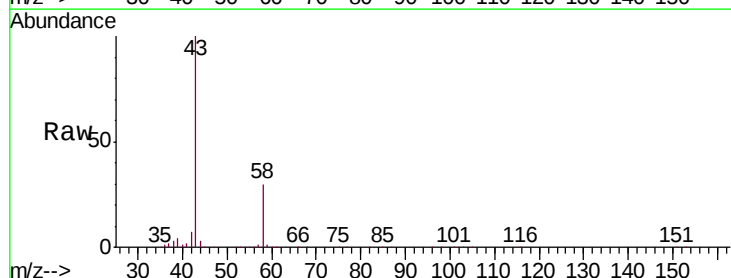
Acq: 06 Aug 2018 22:46

Tgt Ion: 43 Resp: 361743

Ion Ratio Lower Upper

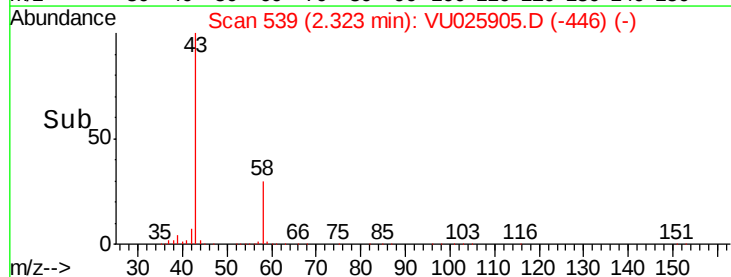
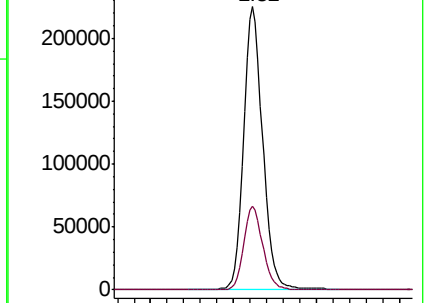
43 100

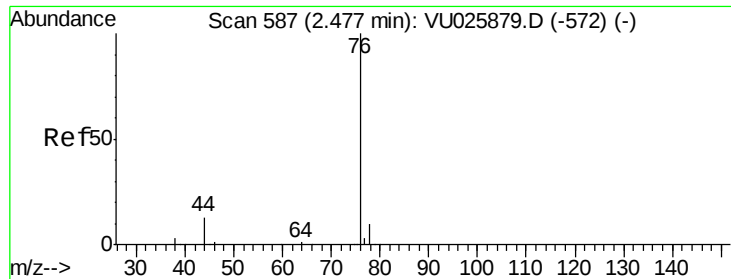
58 29.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-520) (-)

Ion 58.00 (57.70 to 58.70): VU025879.D (-520) (-)

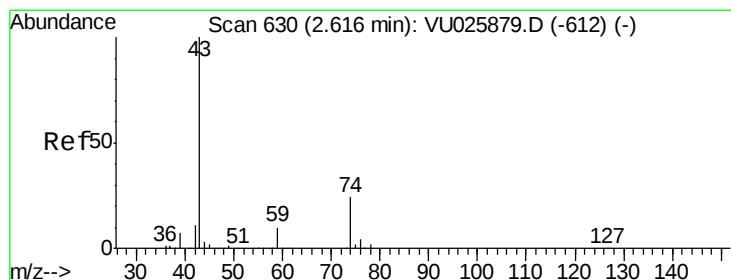
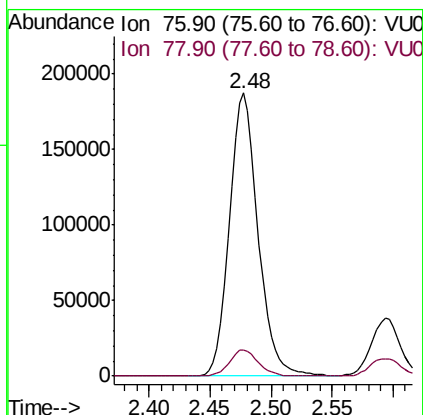
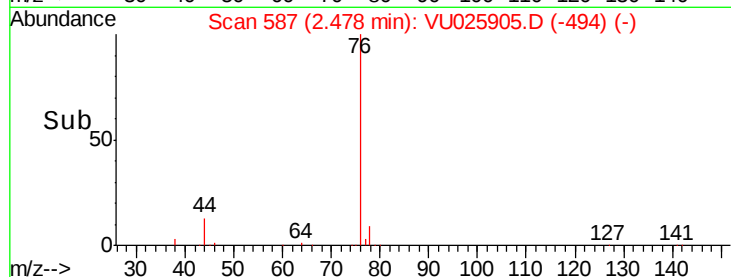
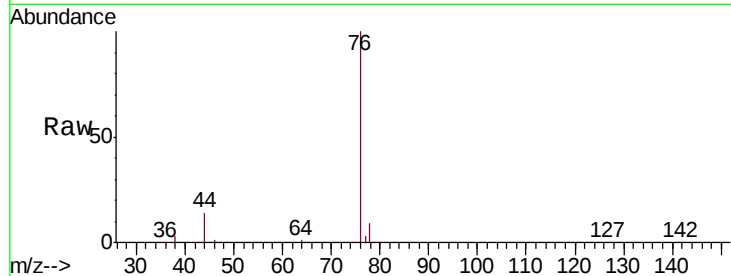




#17
Carbon Disulfide
Concen: 49.216 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

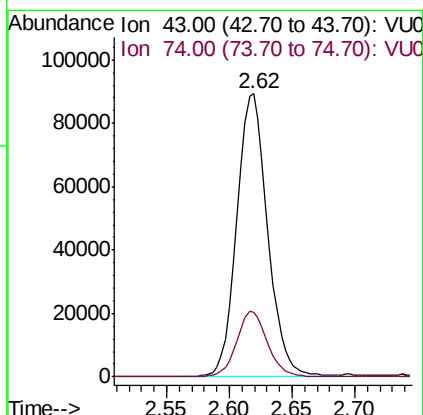
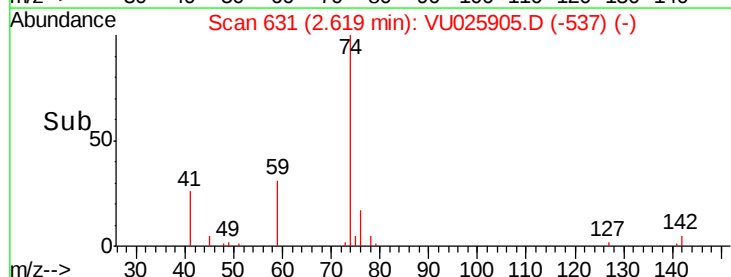
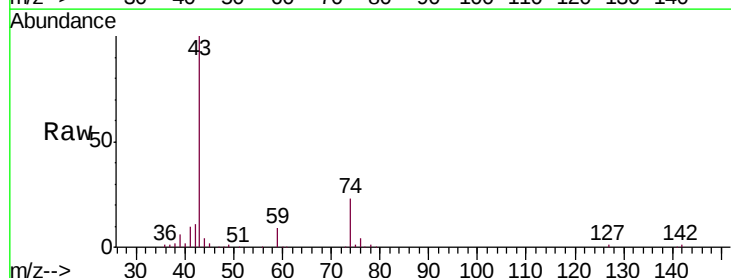
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

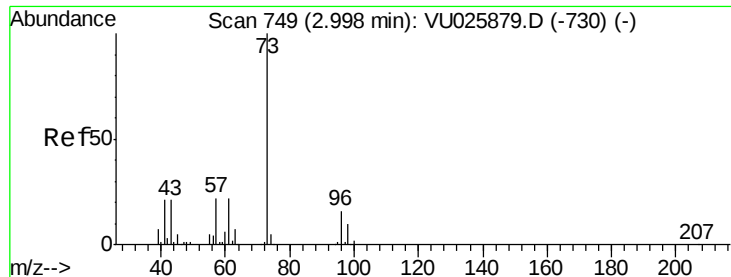
Tgt Ion: 76 Resp: 307591
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 46.155 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 43 Resp: 151776
Ion Ratio Lower Upper
43 100
74 23.5 18.5 27.7

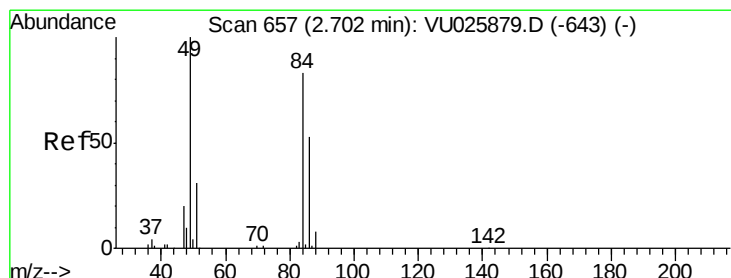
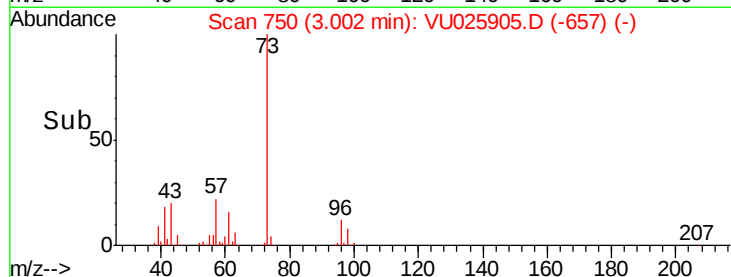
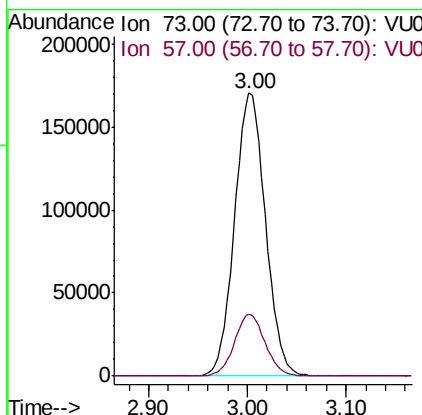
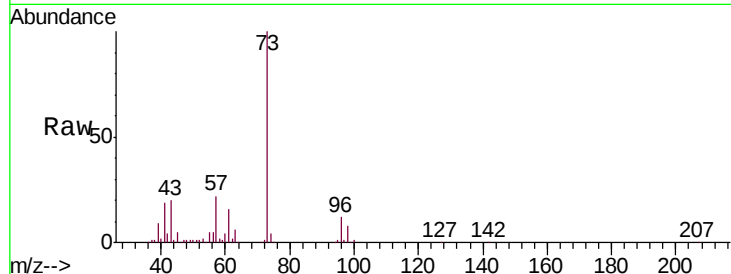




#19
Methyl tert-butyl Ether
Concen: 52.968 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

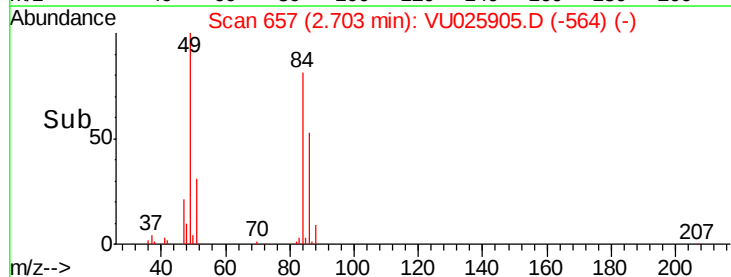
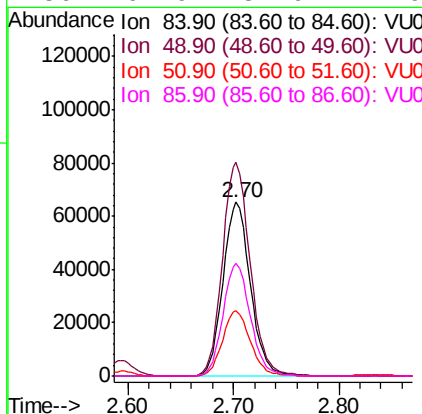
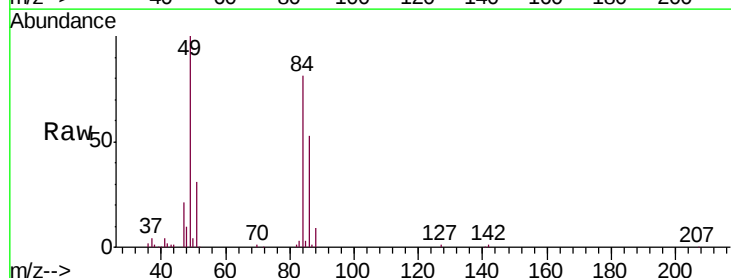
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

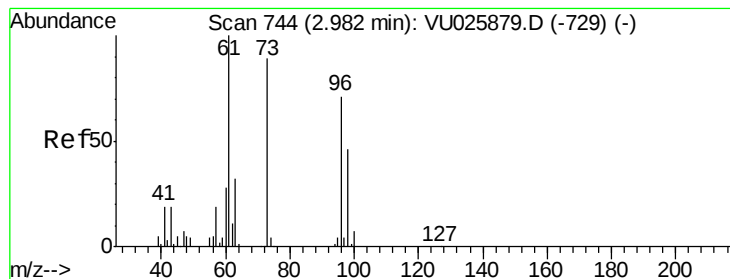
Tgt Ion: 73 Resp: 370673
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 48.423 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 84 Resp: 117248
Ion Ratio Lower Upper
84 100
49 122.9 101.8 152.6
51 37.7 30.8 46.2
86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 50.647 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

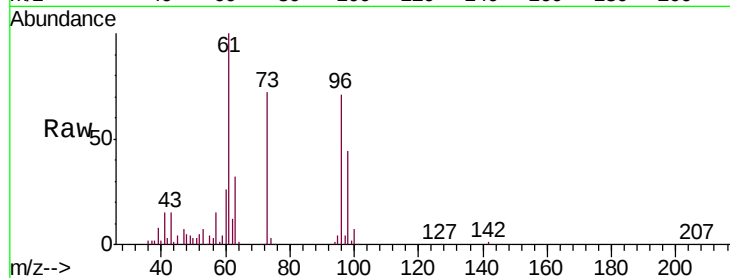
Tgt Ion: 96 Resp: 113062

Ion Ratio Lower Upper

96 100

61 140.1 114.5 171.7

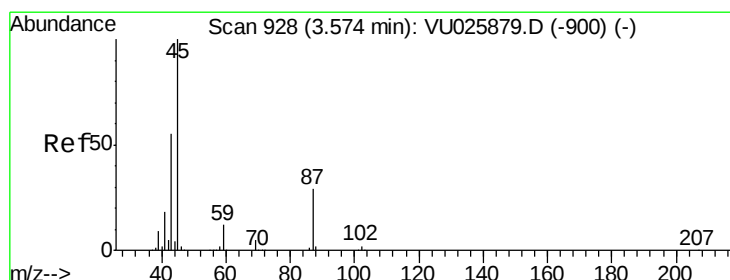
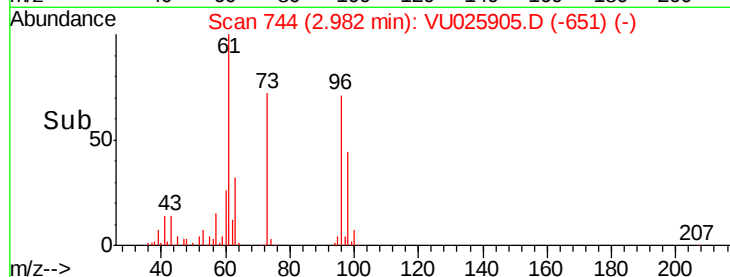
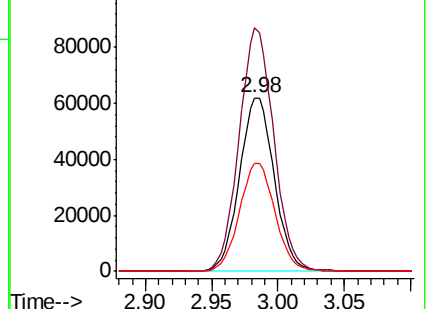
98 62.2 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025879.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU025879.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU025879.D (-729) (-)



#22

Diisopropyl ether

Concen: 53.120 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion: 45 Resp: 363268

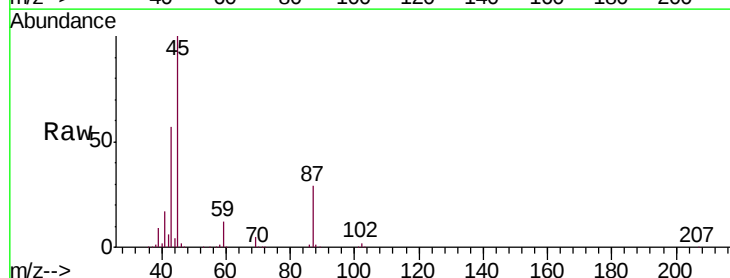
Ion Ratio Lower Upper

45 100

43 56.4 50.9 76.3

87 29.0 23.8 35.8

59 11.8 9.0 13.4

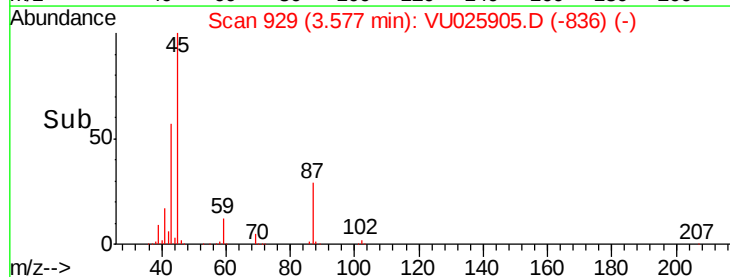
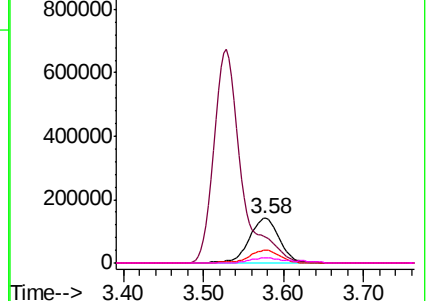


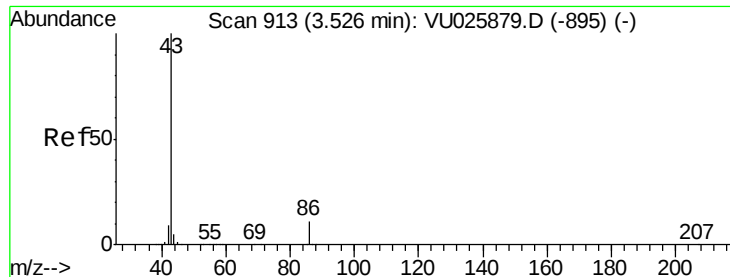
Abundance Ion 45.00 (44.70 to 45.70): VU025879.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025879.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025879.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025879.D (-900) (-)





#23

Vinyl Acetate

Concen: 268.801 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

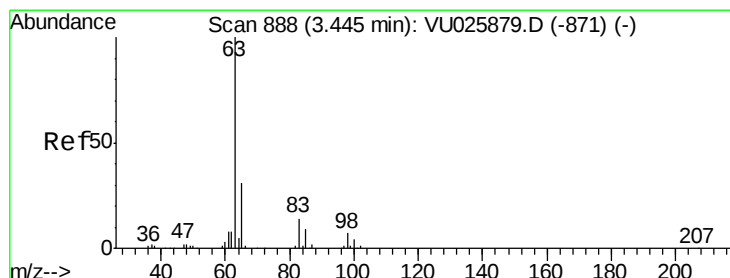
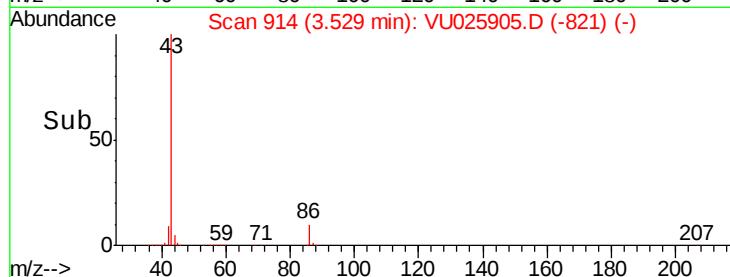
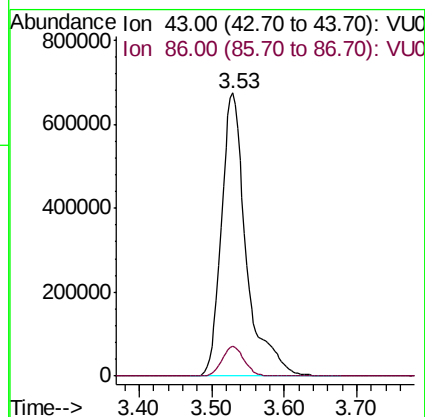
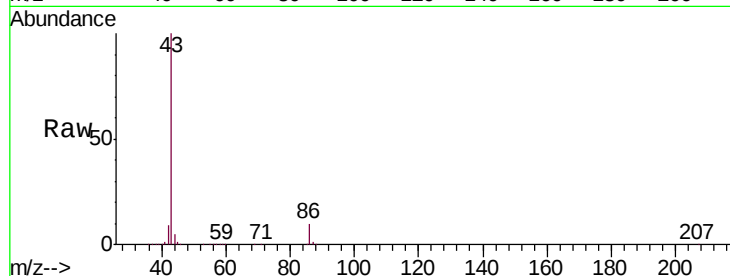
VSTDCCC050EC

Tgt Ion: 43 Resp: 1601982

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 51.342 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

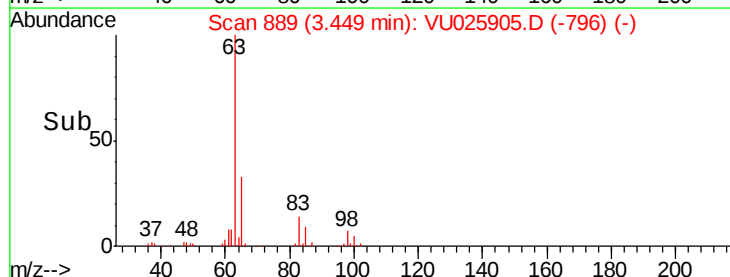
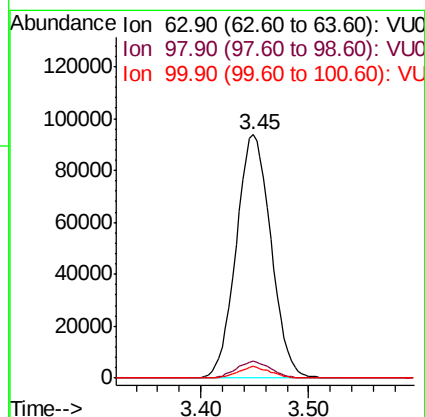
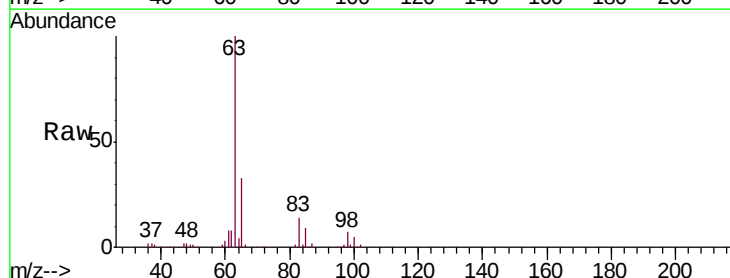
Tgt Ion: 63 Resp: 210767

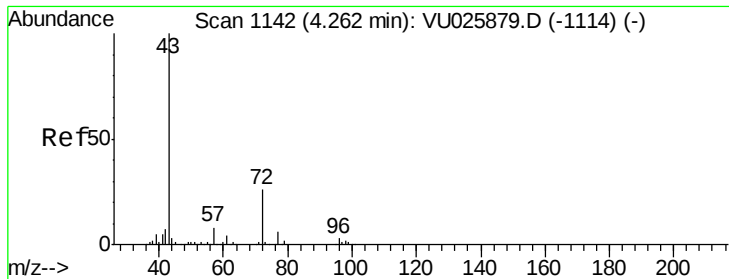
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 307.401 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

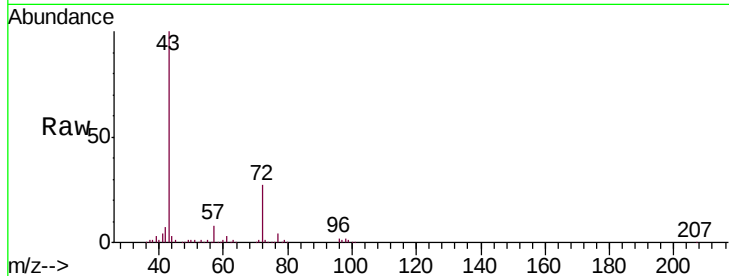
VSTDCCC050EC

Tgt Ion: 43 Resp: 571717

Ion Ratio Lower Upper

43 100

72 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-1114) (-)

Ion 72.00 (71.70 to 72.70): VU025879.D (-1114) (-)

4.27

250000

200000

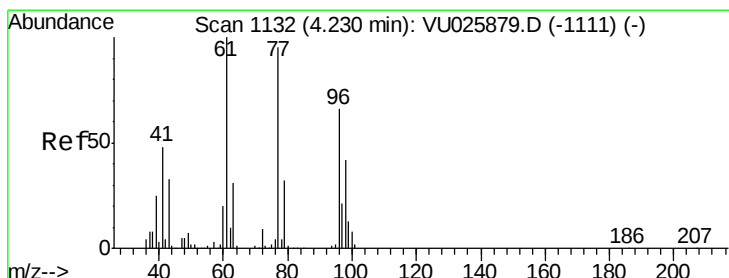
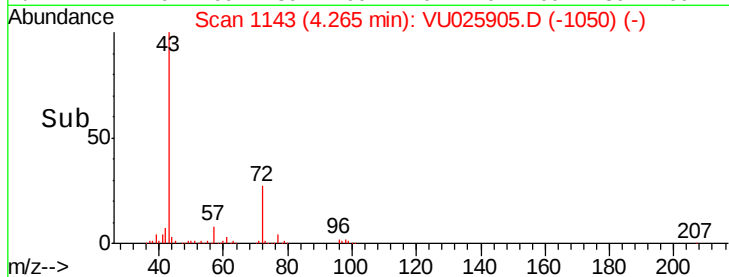
150000

100000

50000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 41.428 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025905.D

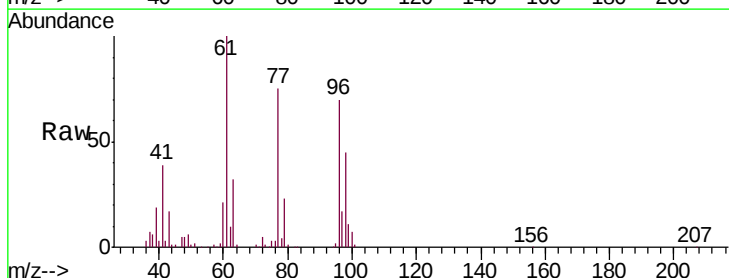
Acq: 06 Aug 2018 22:46

Tgt Ion: 77 Resp: 154579

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU025879.D (-1111) (-)

Ion 96.90 (96.60 to 97.60): VU025879.D (-1111) (-)

4.23

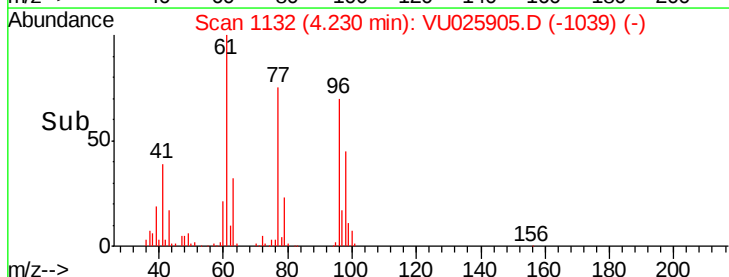
60000

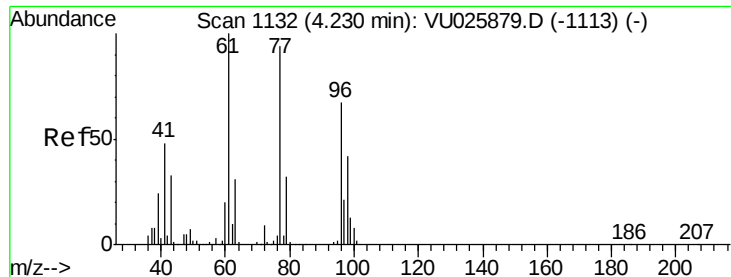
40000

20000

0

Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 51.135 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

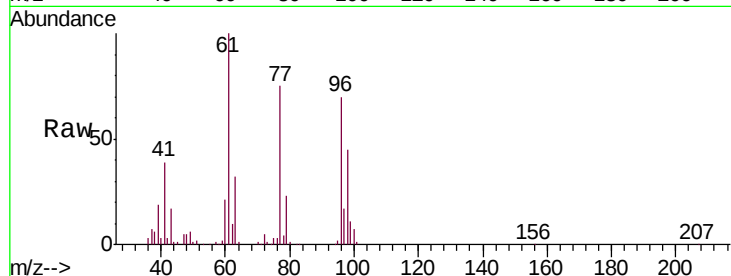
Tgt Ion: 96 Resp: 128697

Ion Ratio Lower Upper

96 100

61 144.1 0.0 299.8

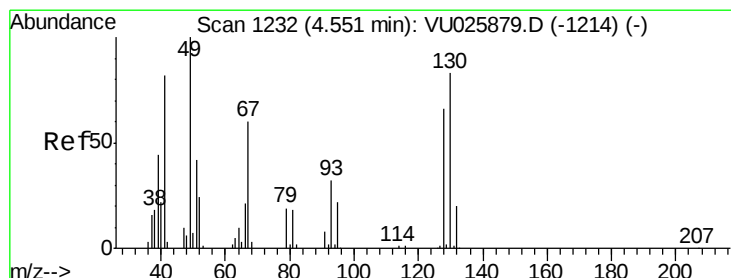
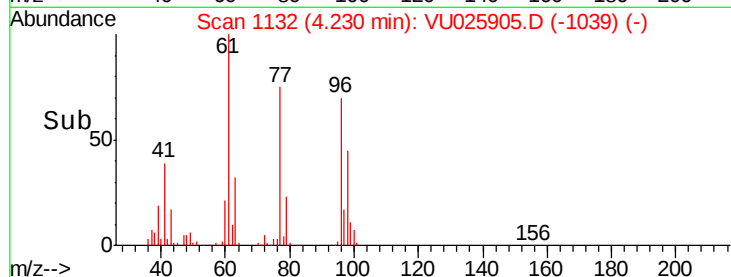
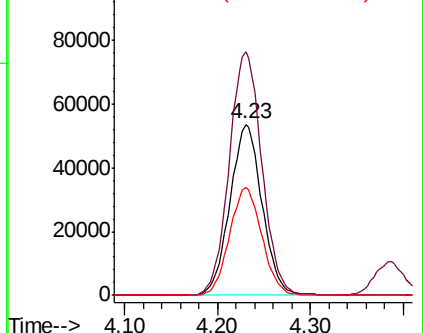
98 63.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 50.990 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

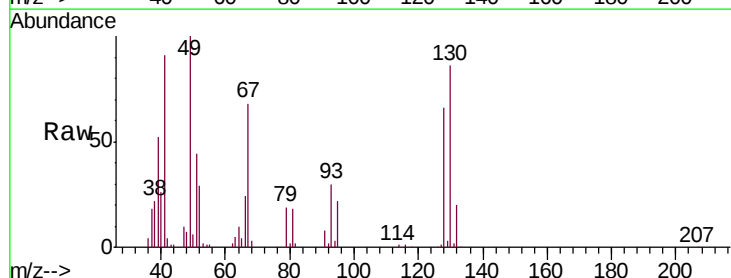
Tgt Ion: 49 Resp: 93590

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

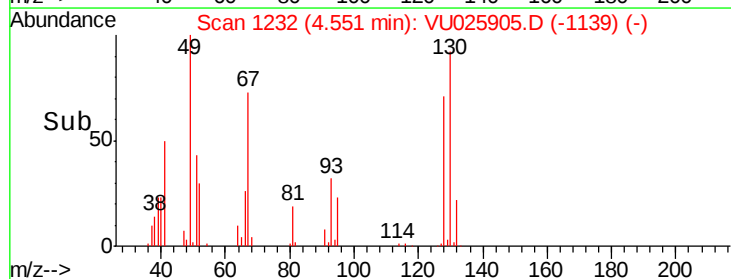
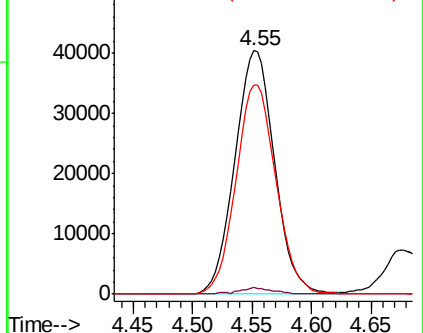
130 86.2 68.6 102.8

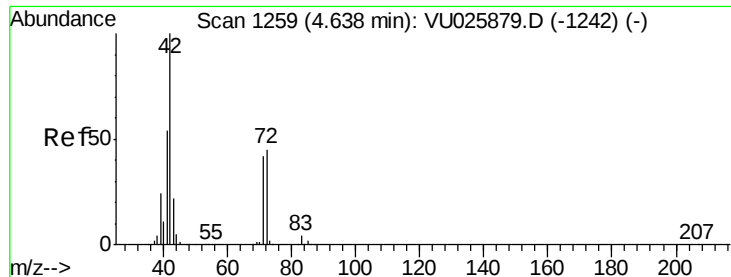


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

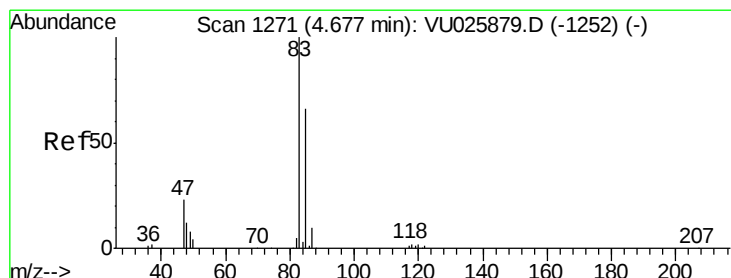
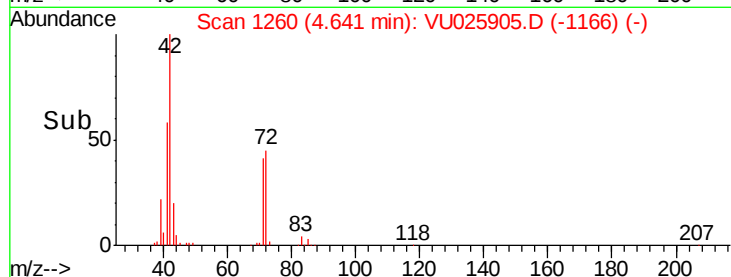
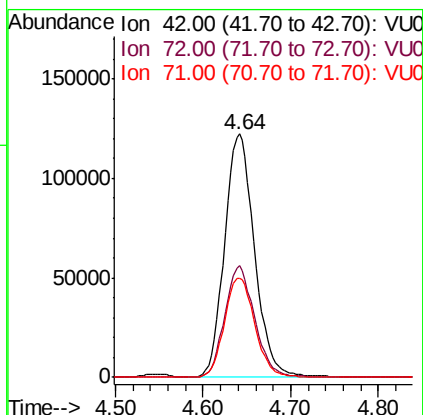
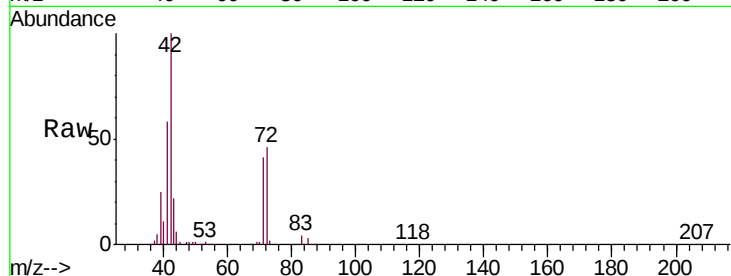




#29
Tetrahydrofuran
Concen: 259.477 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

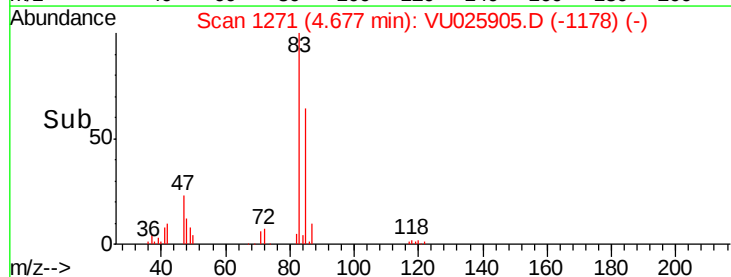
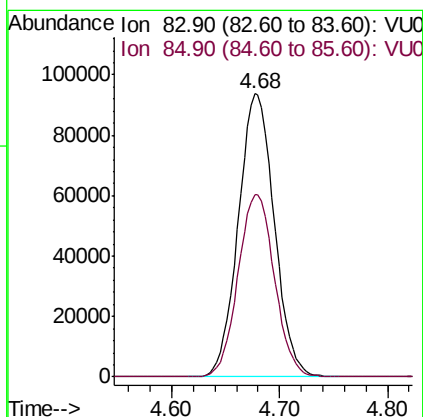
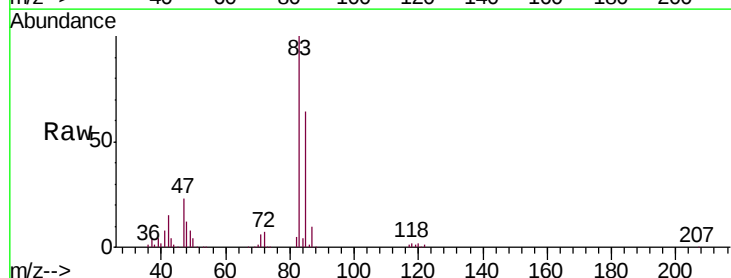
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

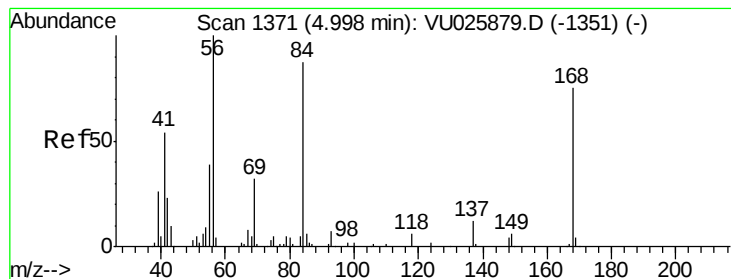
Tgt Ion: 42 Resp: 289123
Ion Ratio Lower Upper
42 100
72 45.9 36.7 55.1
71 41.6 33.9 50.9



#30
Chloroform
Concen: 50.258 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 83 Resp: 217775
Ion Ratio Lower Upper
83 100
85 64.2 51.5 77.3





#31

Cyclohexane

Concen: 51.783 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

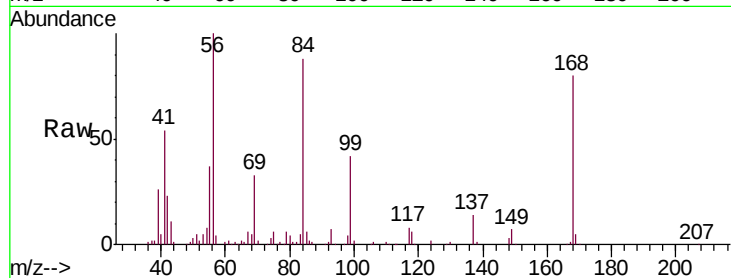
Tgt Ion: 56 Resp: 184741

Ion Ratio Lower Upper

56 100

69 33.1 26.8 40.2

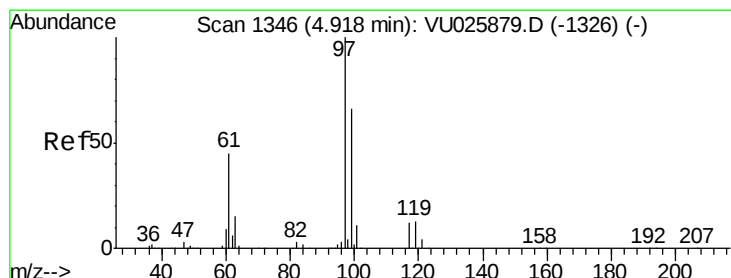
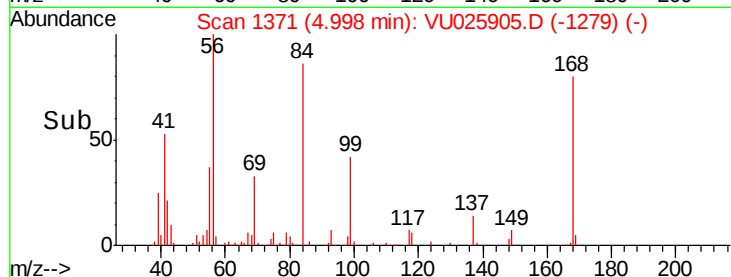
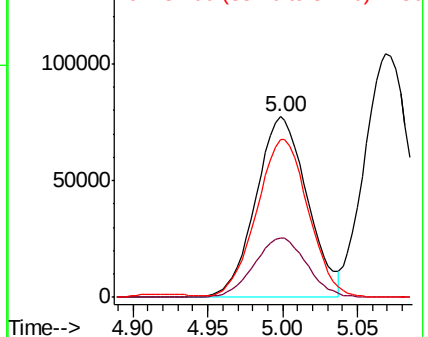
84 86.6 69.7 104.5



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: 51.740 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

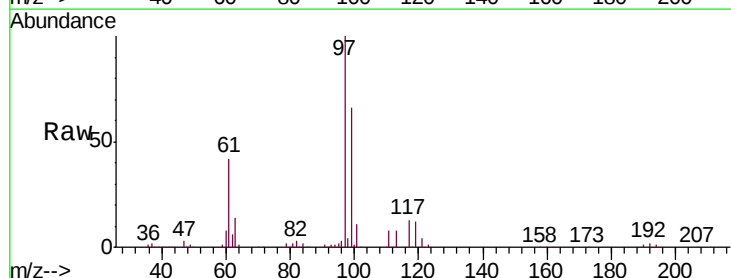
Tgt Ion: 97 Resp: 201850

Ion Ratio Lower Upper

97 100

99 65.1 50.8 76.2

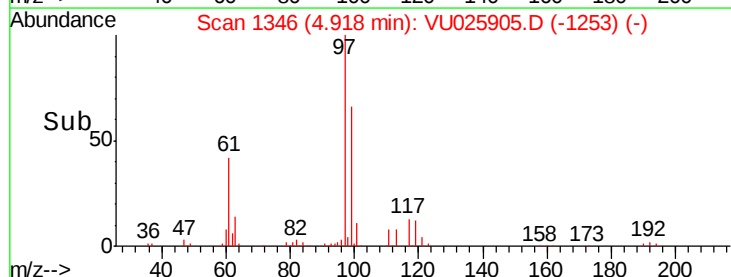
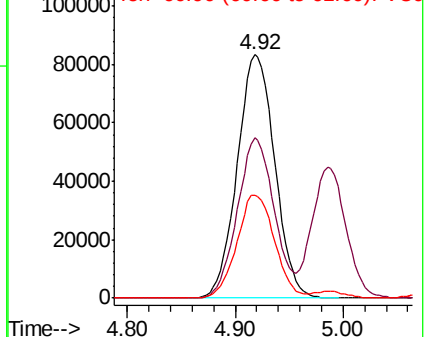
61 42.6 35.2 52.8

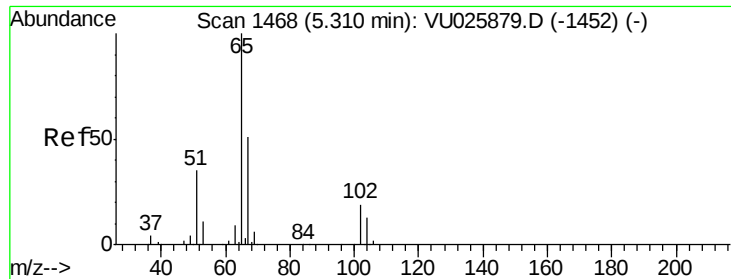


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

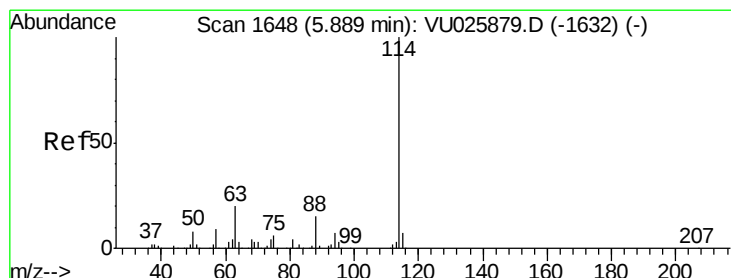
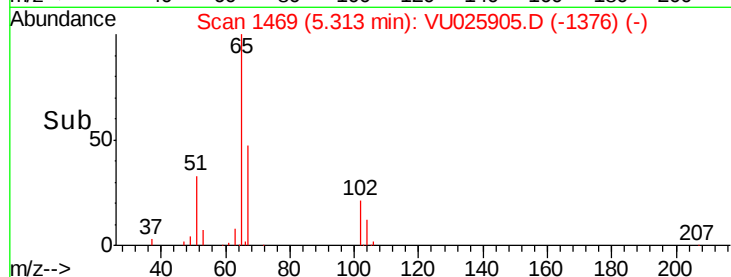
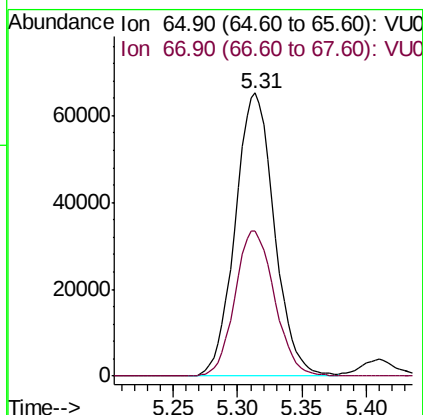
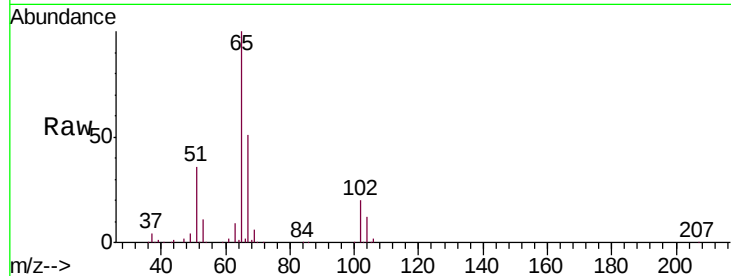




#33
 1,2-Dichloroethane-d4
 Concen: 49.111 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

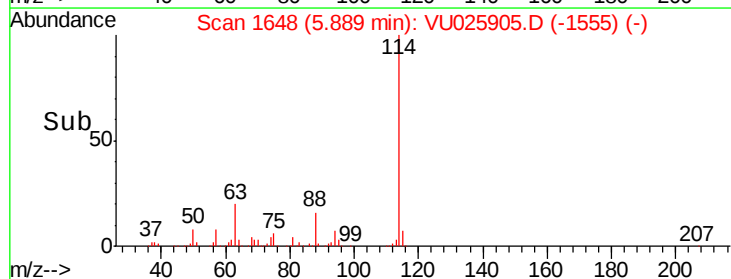
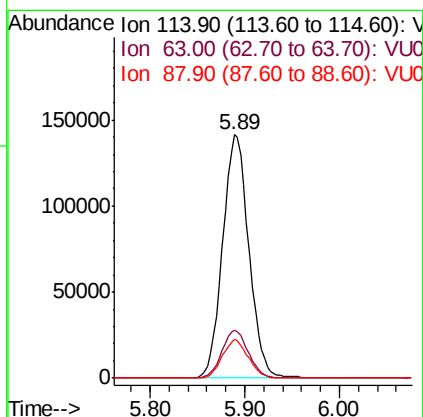
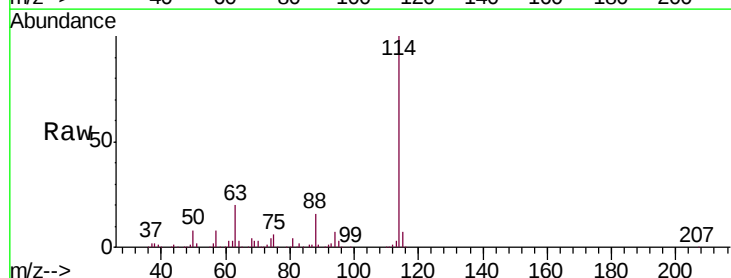
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

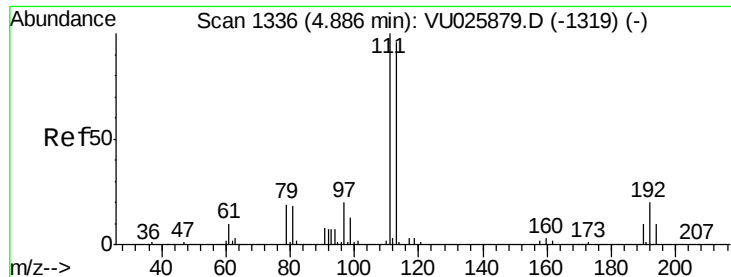
Tgt Ion: 65 Resp: 137624
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 114 Resp: 272539
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.6
 88 15.7 0.0 32.4

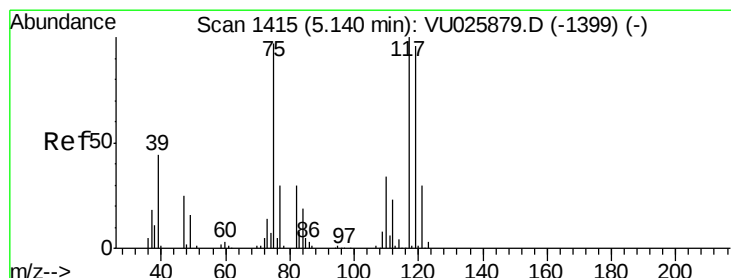
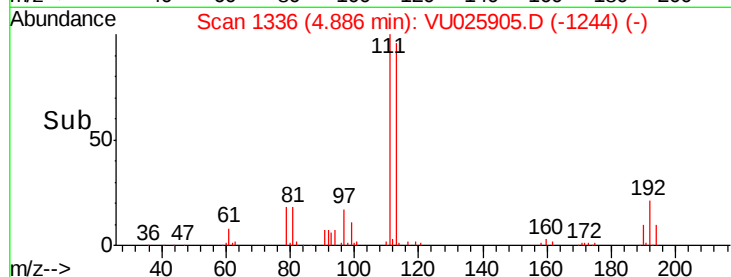
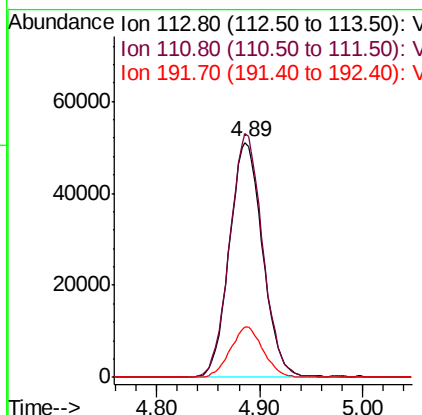
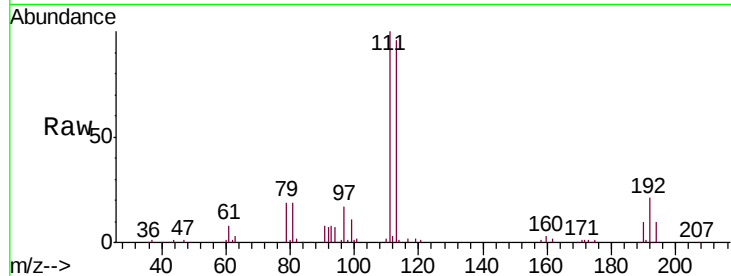




#35
 Dibromofluoromethane
 Concen: 48.348 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

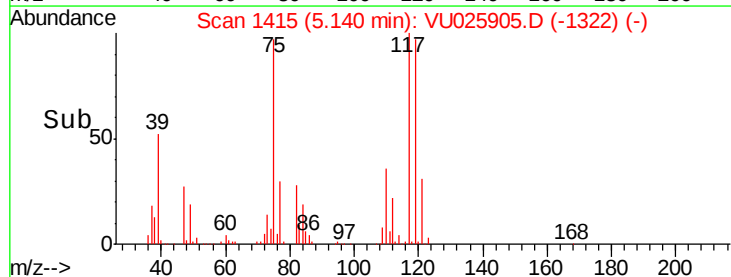
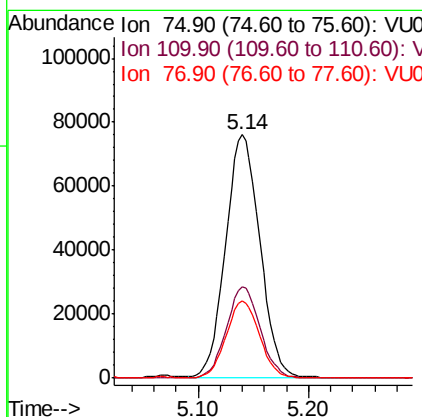
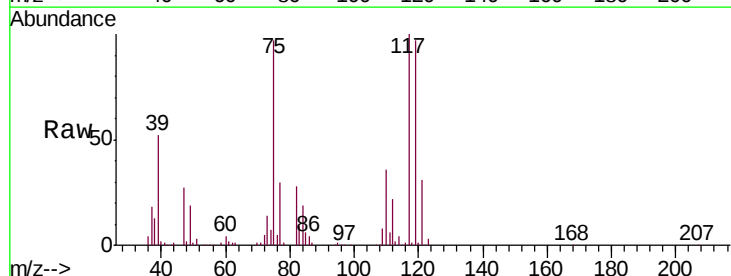
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

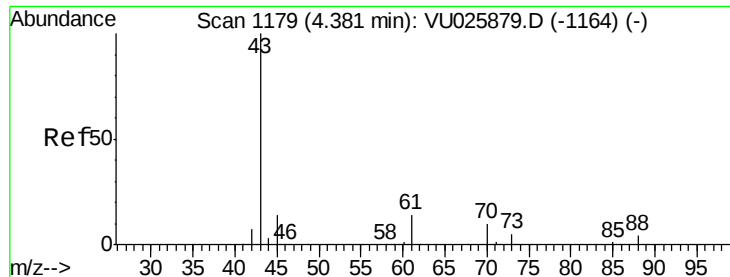
Tgt Ion: 113 Resp: 114604
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 21.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 51.394 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

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

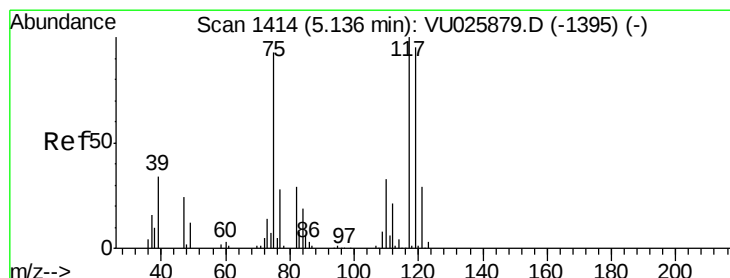
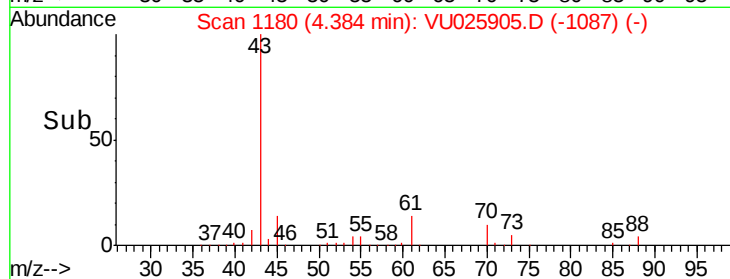
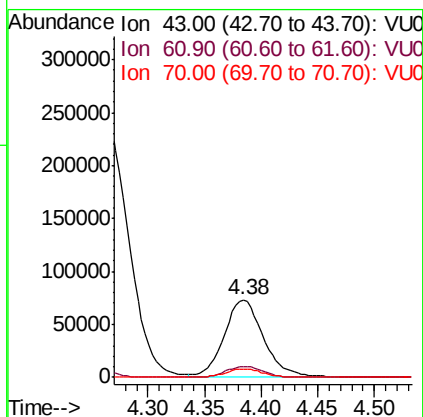
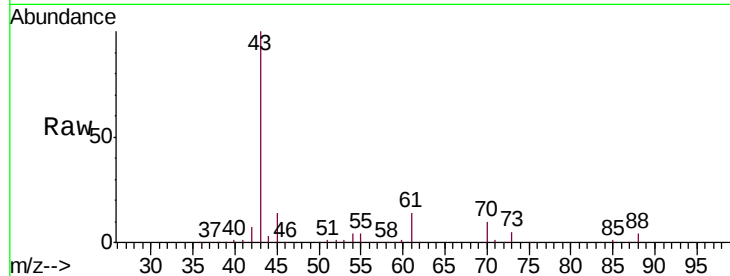




#37
Ethyl Acetate
Concen: 52.702 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

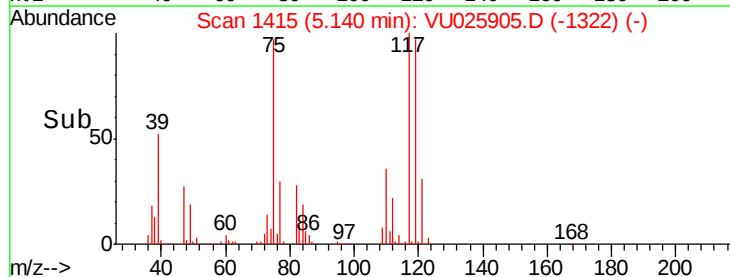
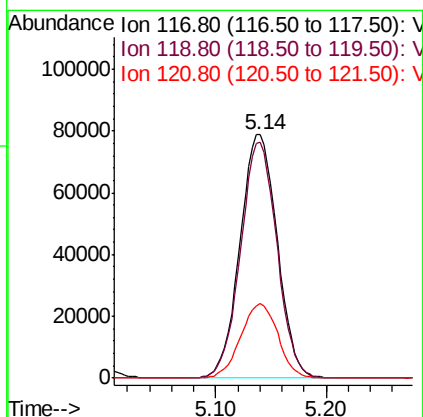
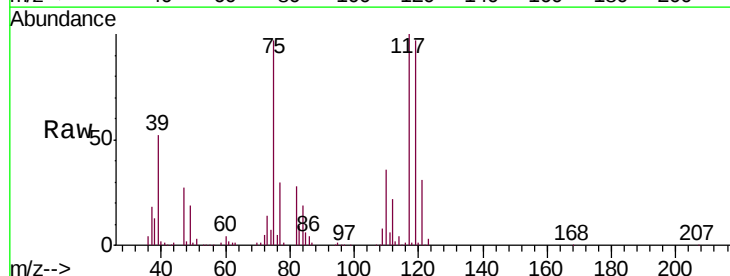
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

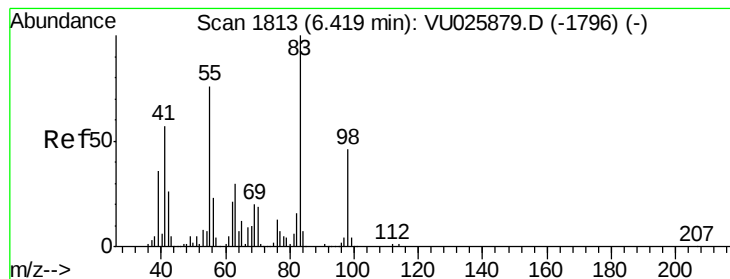
Tgt Ion: 43 Resp: 174052
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.178 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 117 Resp: 184627
Ion Ratio Lower Upper
117 100
119 96.9 75.7 113.5
121 30.6 24.6 36.8





#39

Methylcyclohexane

Concen: 50.050 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

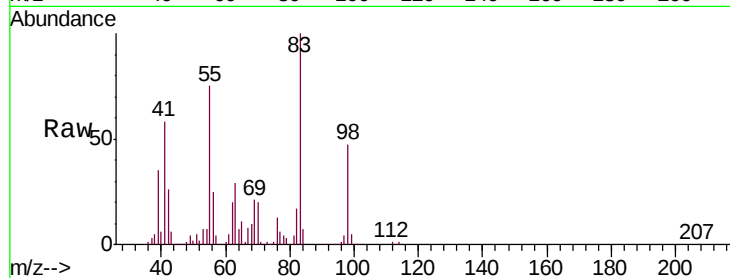
Tgt Ion: 83 Resp: 182651

Ion Ratio Lower Upper

83 100

55 75.3 60.0 90.0

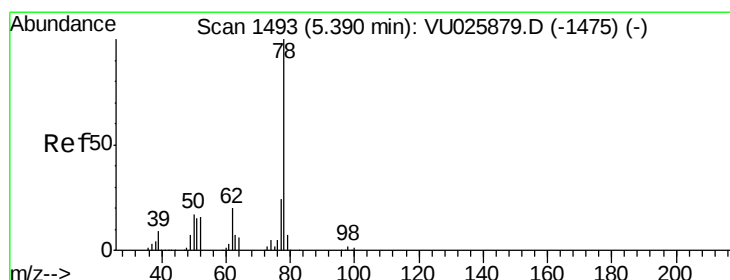
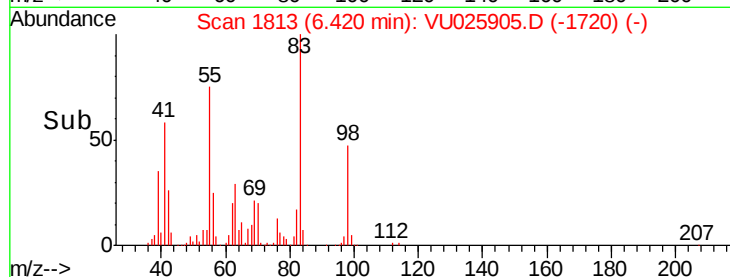
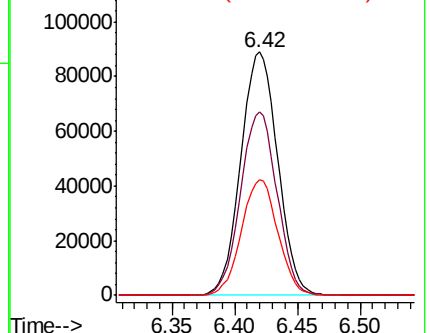
98 47.4 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 49.751 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025905.D

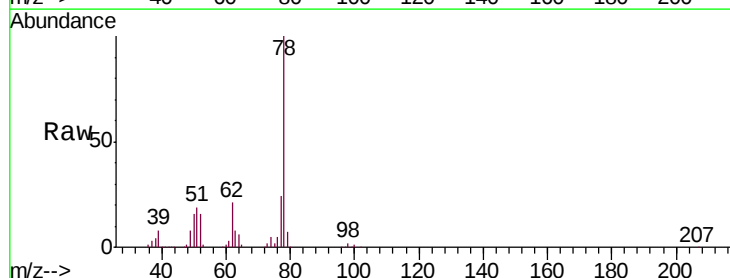
Acq: 06 Aug 2018 22:46

Tgt Ion: 78 Resp: 463187

Ion Ratio Lower Upper

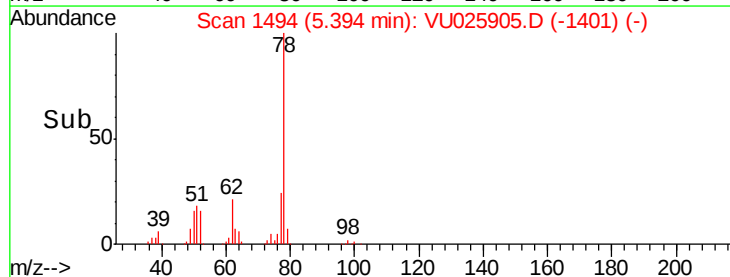
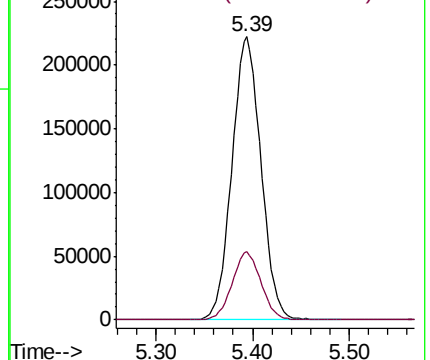
78 100

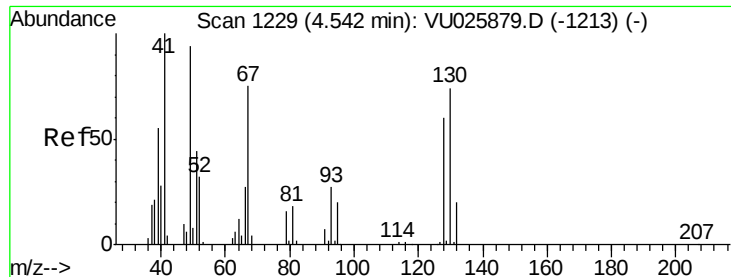
77 24.0 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

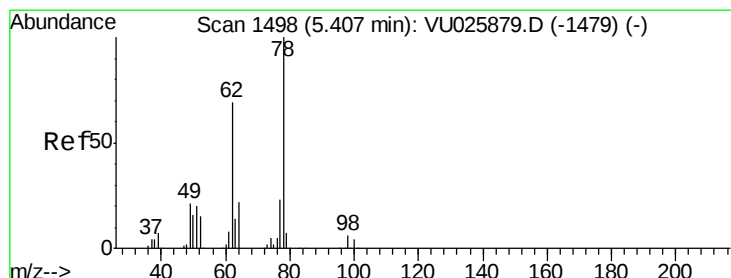
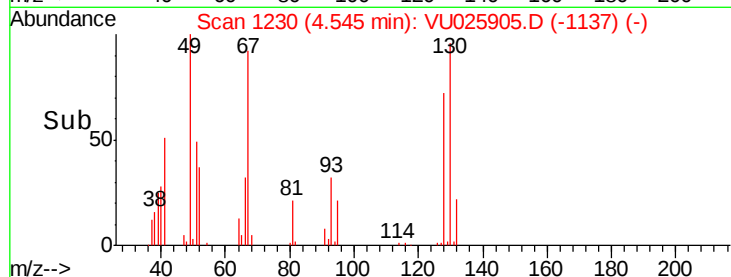
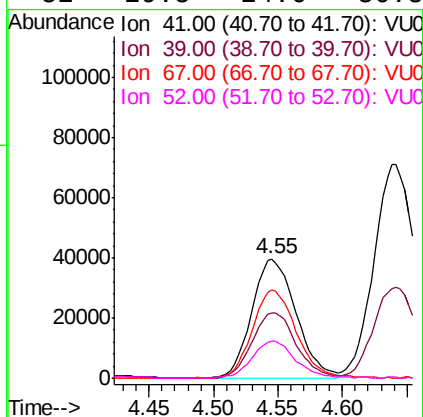
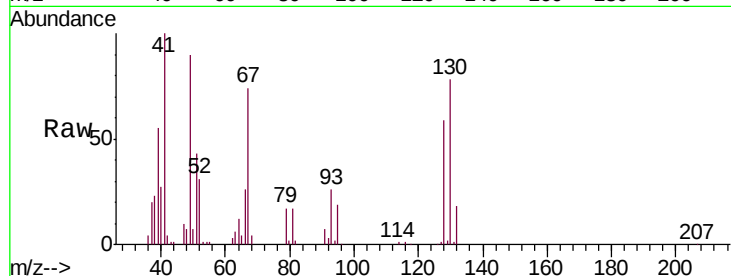




#41
Methacrylonitrile
Concen: 51.885 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

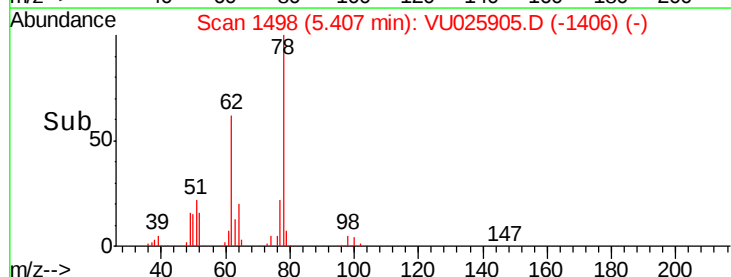
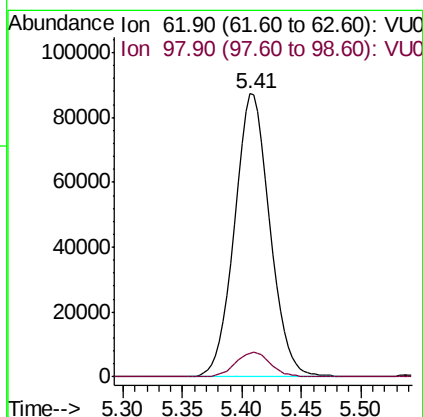
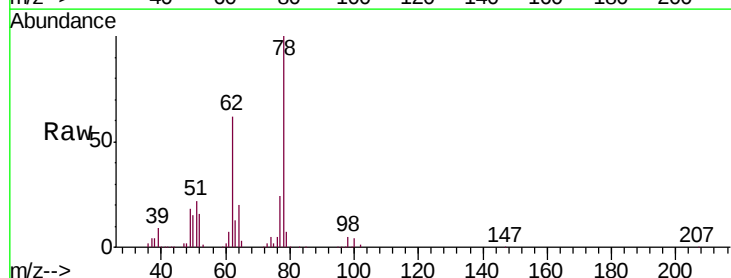
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

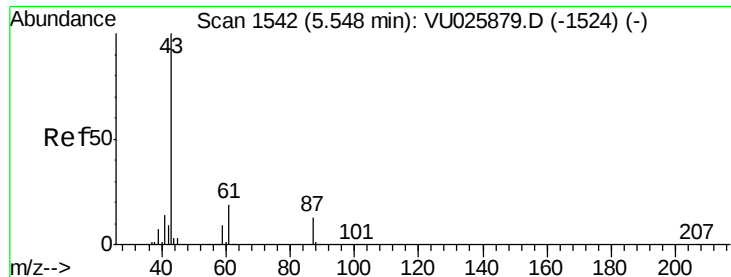
Tgt Ion:	41	Resp:	95175
Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	73.7	56.0	84.0
52	29.5	24.6	36.8



#42
1,2-Dichloroethane
Concen: 50.176 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion:	62	Resp:	179877
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 51.228 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

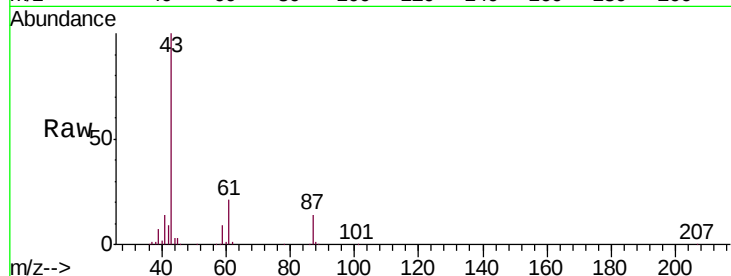
Tgt Ion: 43 Resp: 279576

Ion Ratio Lower Upper

43 100

61 20.5 15.5 23.3

87 13.9 10.6 16.0

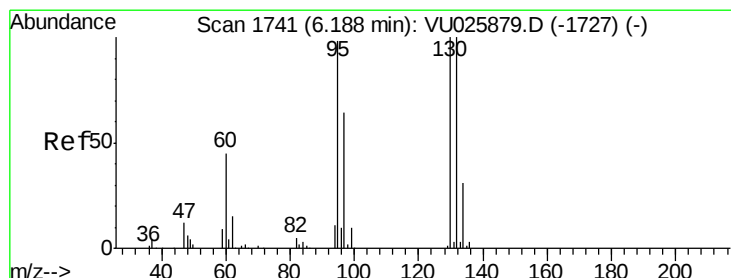
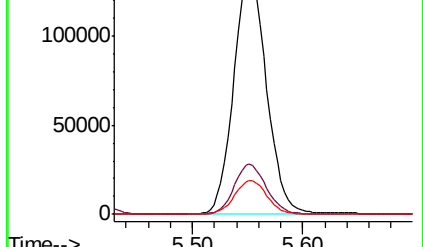
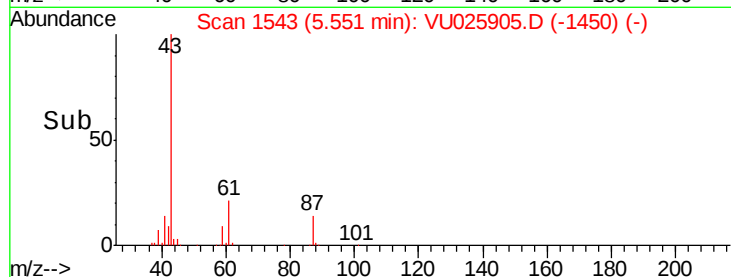


Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-1524) (-)

Ion 61.00 (60.70 to 61.70): VU025879.D (-1524) (-)

Ion 87.00 (86.70 to 87.70): VU025879.D (-1524) (-)

Time-->



#44

Trichloroethene

Concen: 50.532 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025905.D

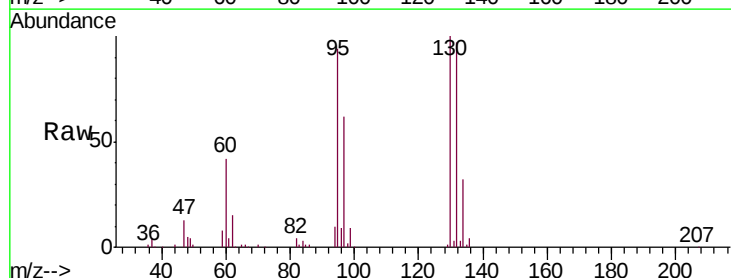
Acq: 06 Aug 2018 22:46

Tgt Ion: 130 Resp: 131018

Ion Ratio Lower Upper

130 100

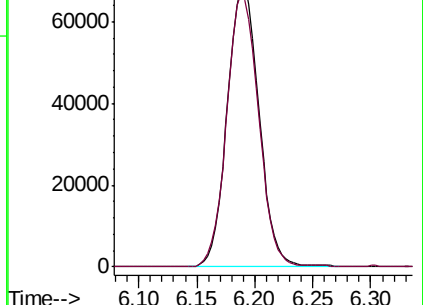
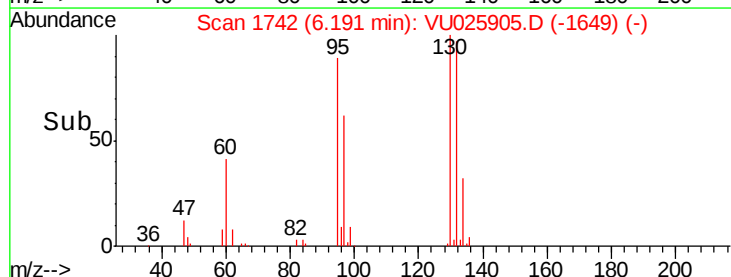
95 94.4 0.0 192.2

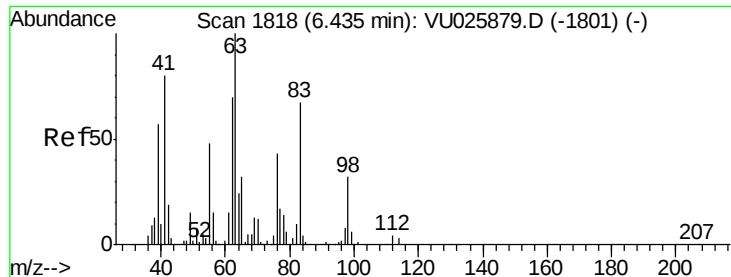


Abundance Ion 129.80 (129.50 to 130.50): VU025879.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025879.D (-1727) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.686 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

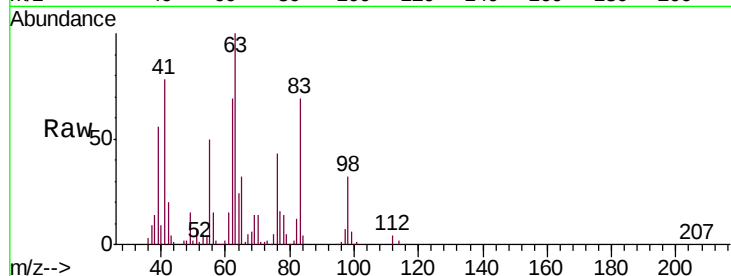
VSTDCCC050EC

Tgt Ion: 63 Resp: 123070

Ion Ratio Lower Upper

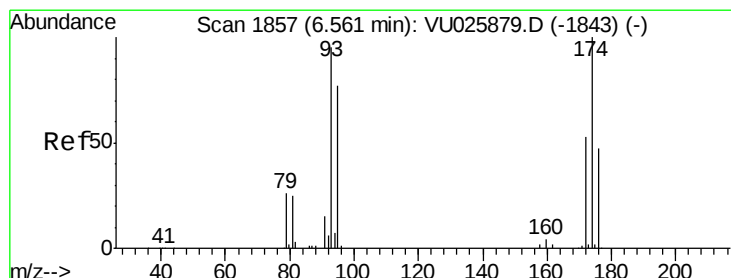
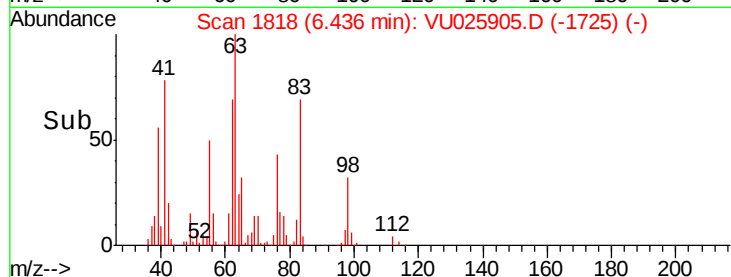
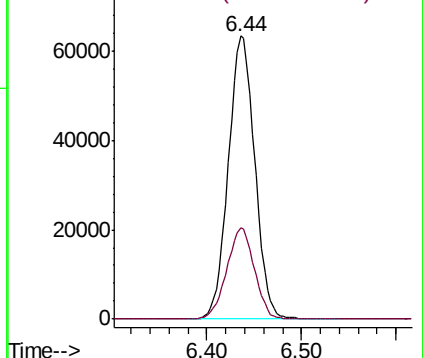
63 100

65 32.3 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: 50.448 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

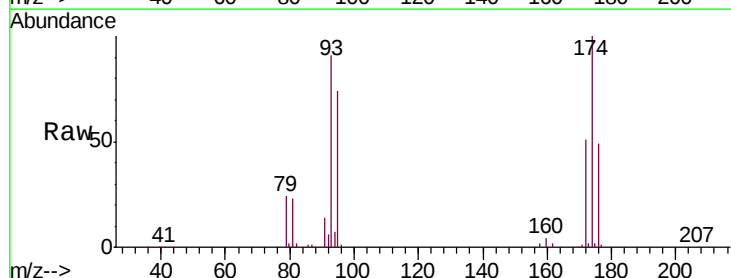
Tgt Ion: 93 Resp: 88757

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

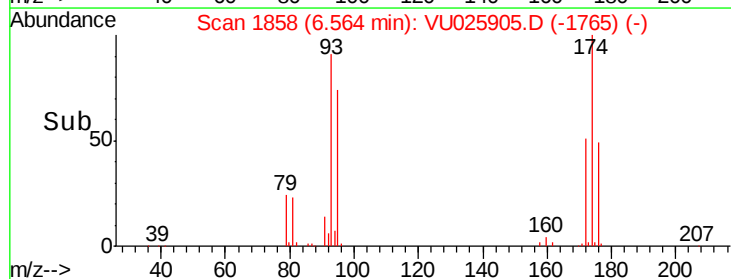
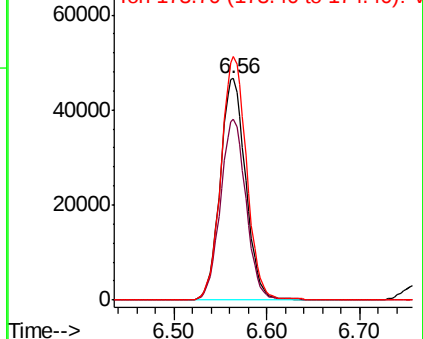
174 110.2 85.8 128.8

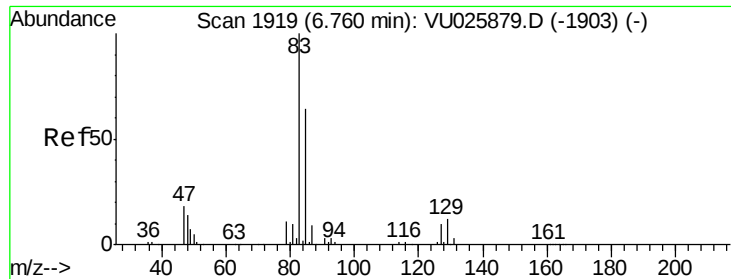


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

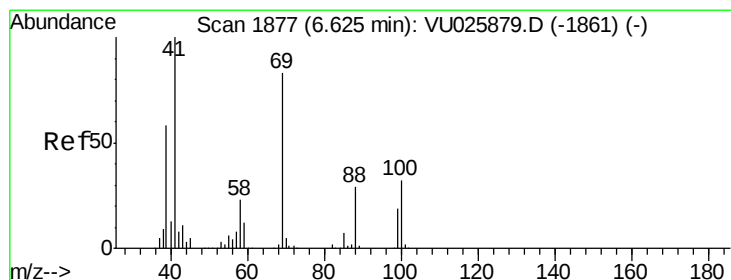
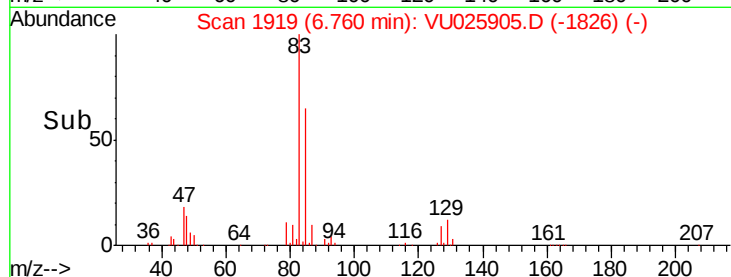
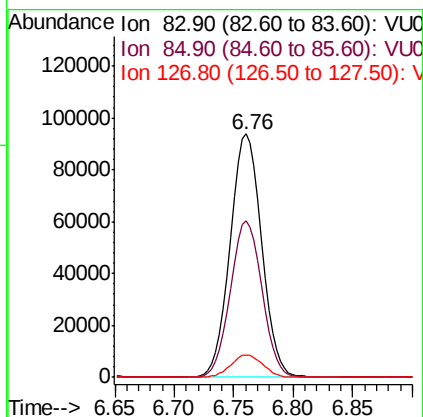
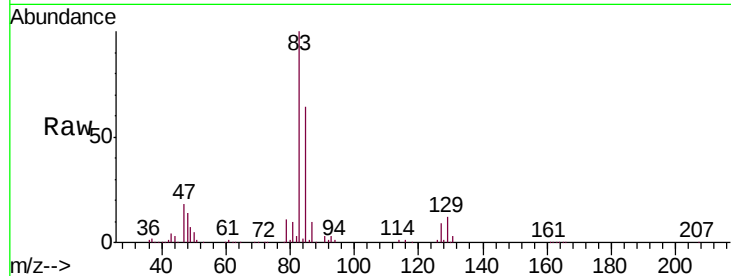




#47
 Bromodichloromethane
 Concen: 51.378 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

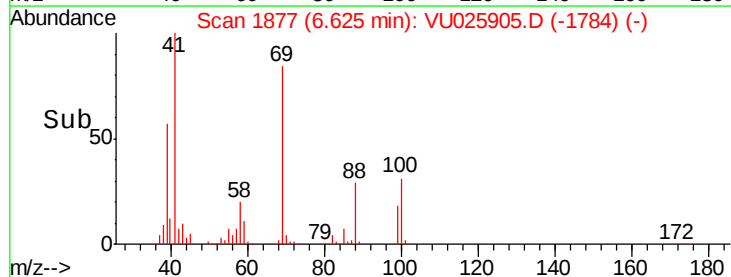
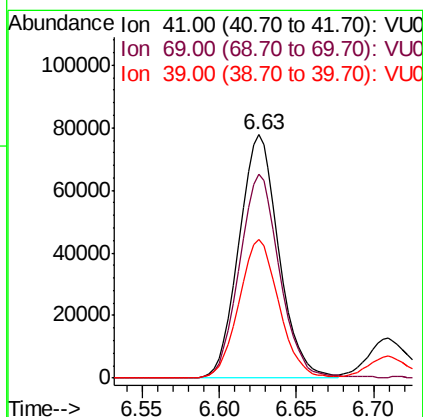
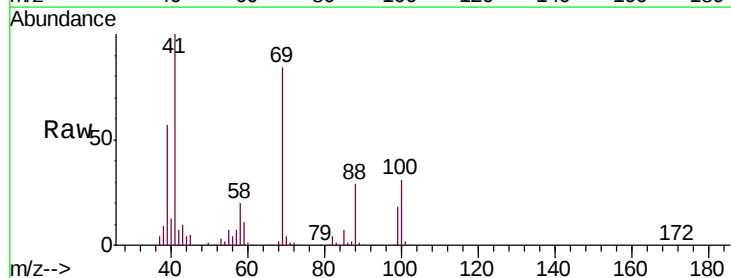
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

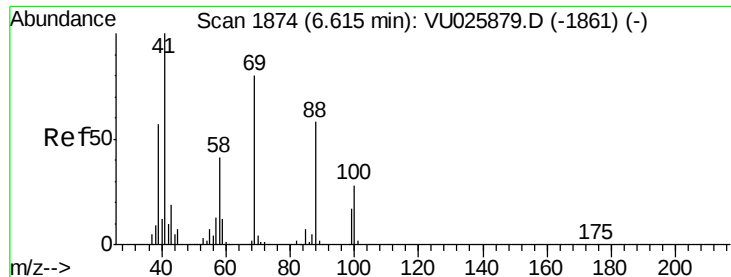
Tgt Ion: 83 Resp: 172425
 Ion Ratio Lower Upper
 83 100
 85 64.4 50.2 75.4
 127 9.1 7.2 10.8



#48
 Methyl methacrylate
 Concen: 52.026 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 41 Resp: 139158
 Ion Ratio Lower Upper
 41 100
 69 85.1 65.0 97.4
 39 57.3 46.4 69.6

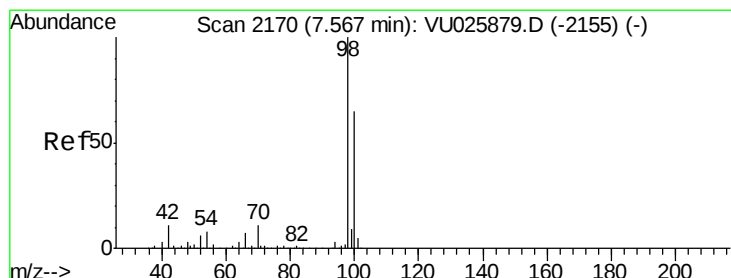
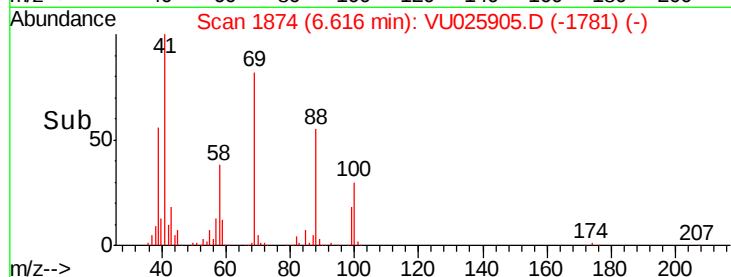
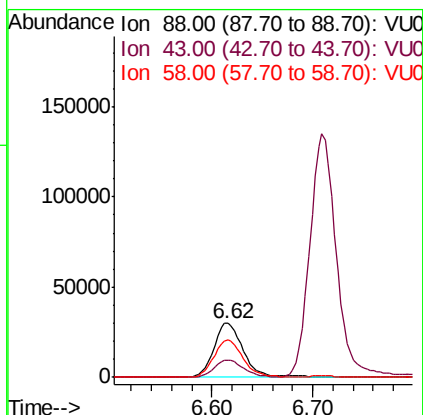
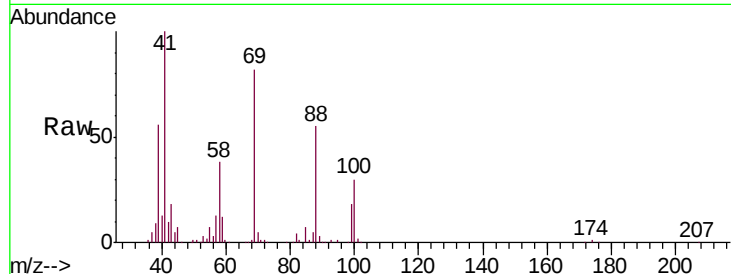




#49
 1,4-Dioxane
 Concen: 911.416 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

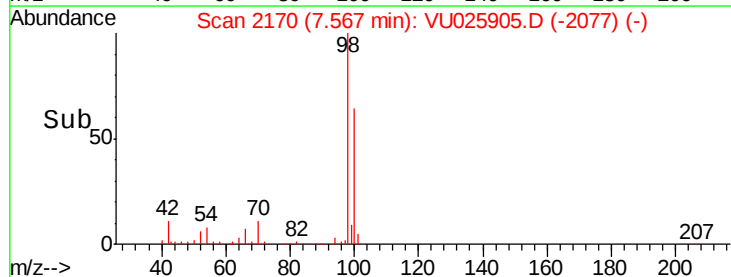
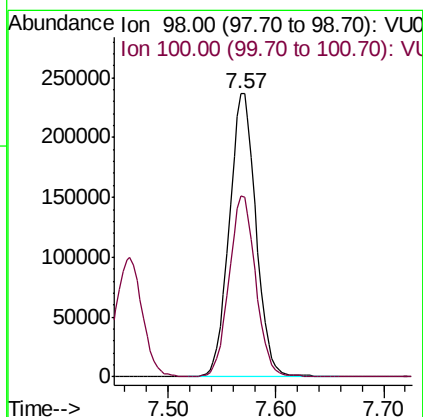
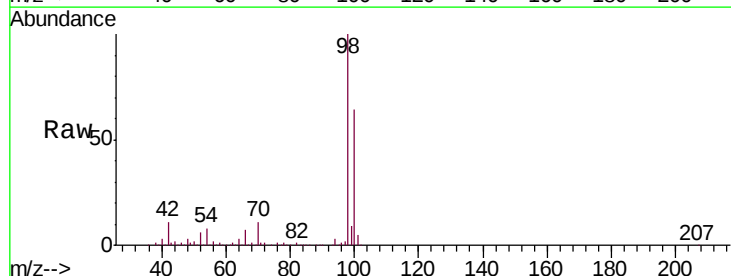
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

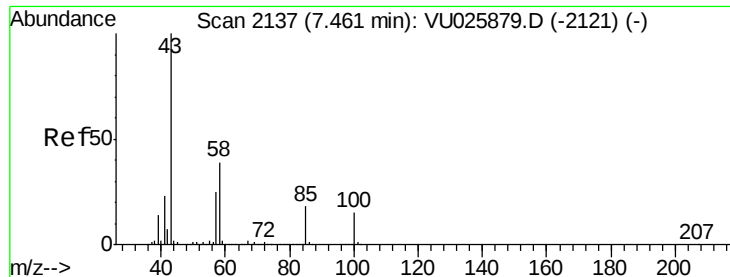
Tgt Ion: 88 Resp: 59324
 Ion Ratio Lower Upper
 88 100
 43 33.0 27.3 40.9
 58 70.2 57.6 86.4



#50
 Toluene-d8
 Concen: 49.325 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 98 Resp: 409143
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 325.116 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

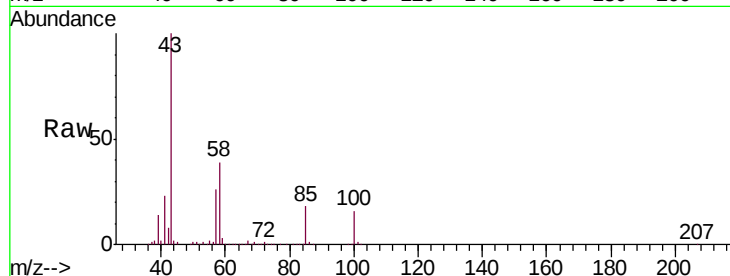
VSTDCCC050EC

Tgt Ion: 43 Resp: 1110830

Ion Ratio Lower Upper

43 100

58 39.0 31.0 46.4



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

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

7.46

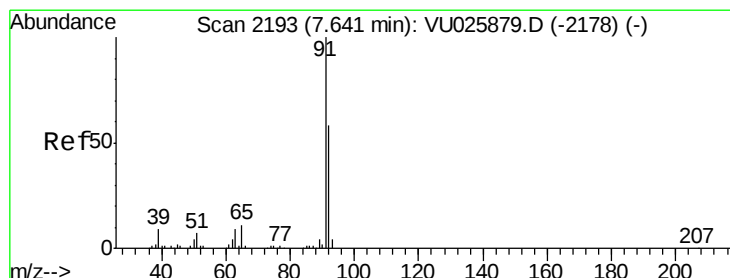
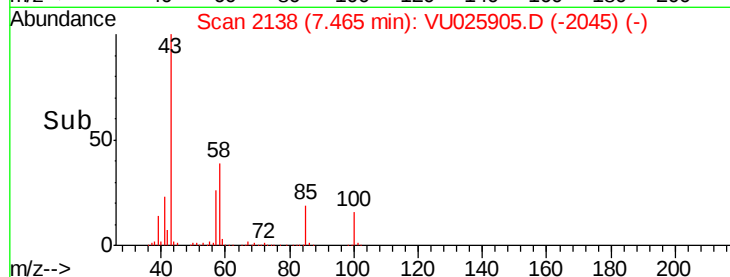
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.341 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025905.D

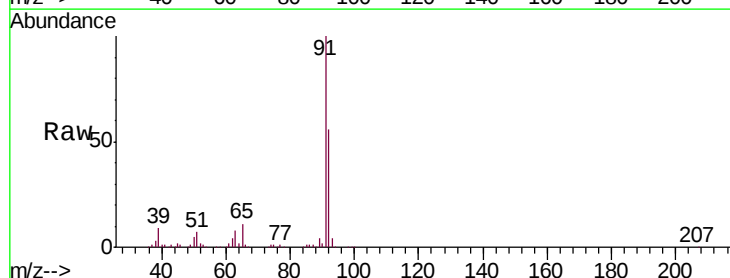
Acq: 06 Aug 2018 22:46

Tgt Ion: 92 Resp: 296952

Ion Ratio Lower Upper

92 100

91 175.1 139.2 208.8



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

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

7.64

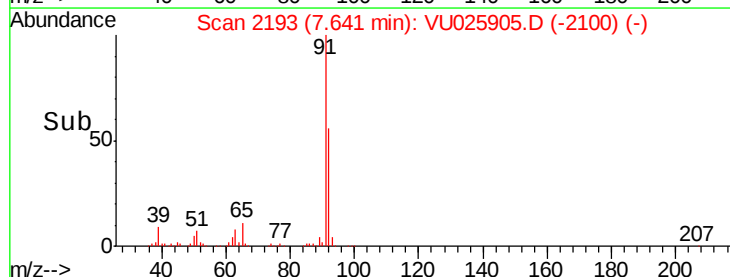
300000

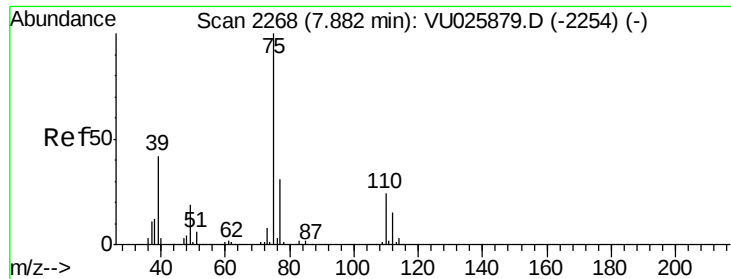
200000

100000

0

Time-->

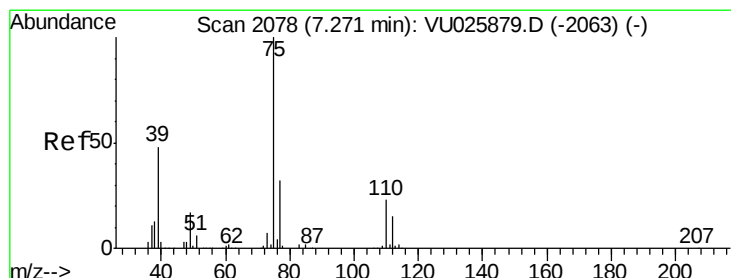
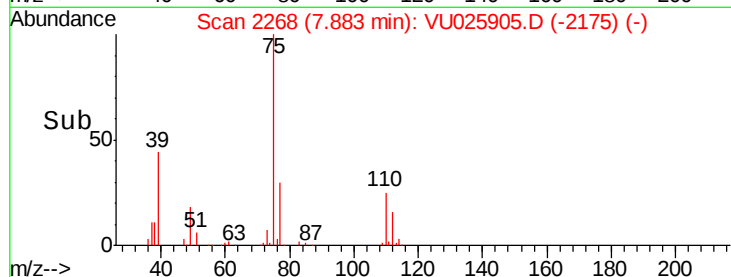
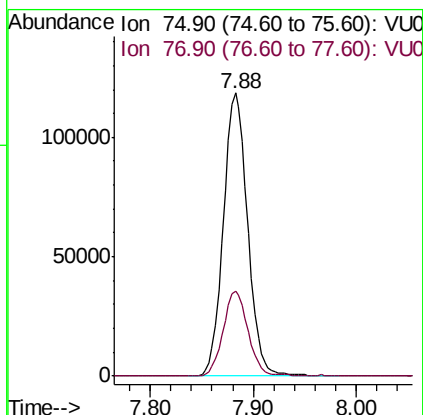
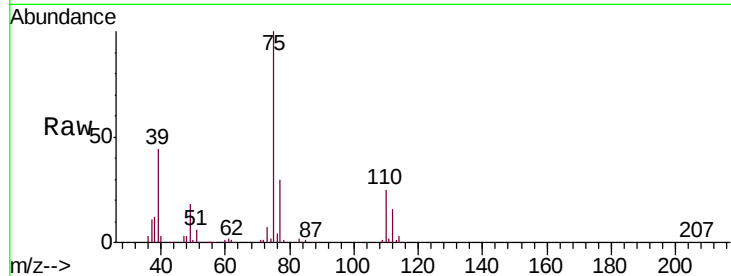




#53
 t-1,3-Dichloropropene
 Concen: 51.702 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

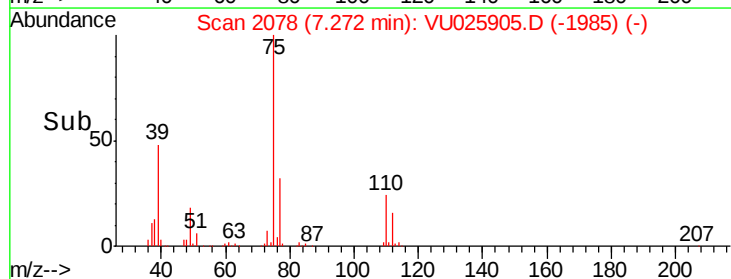
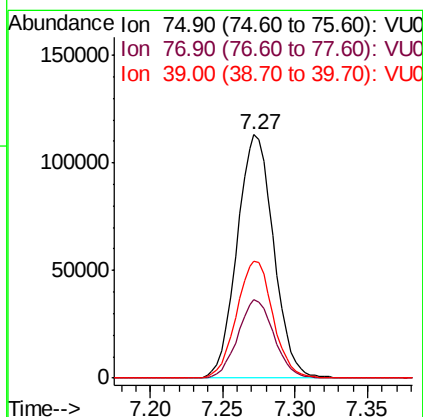
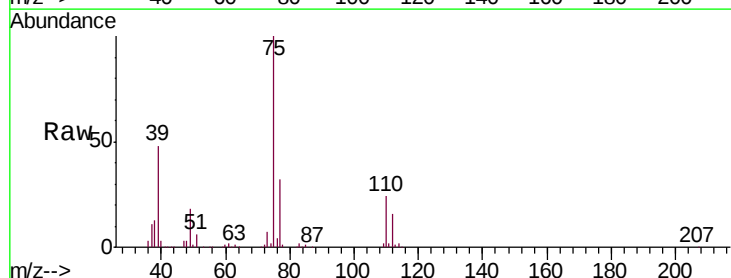
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

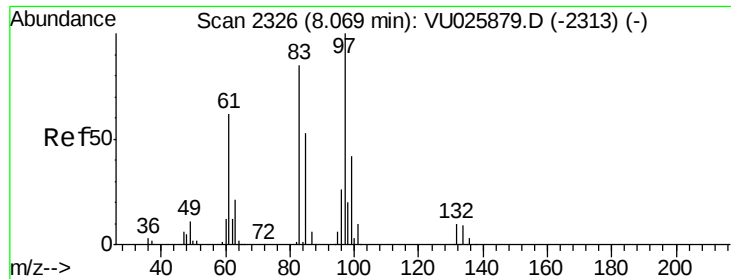
Tgt Ion: 75 Resp: 194821
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 51.209 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 75 Resp: 198218
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 48.3 40.0 60.0

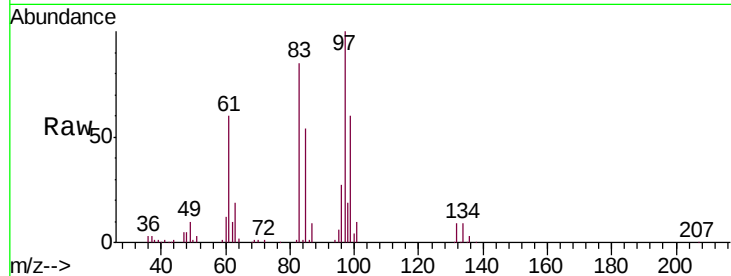




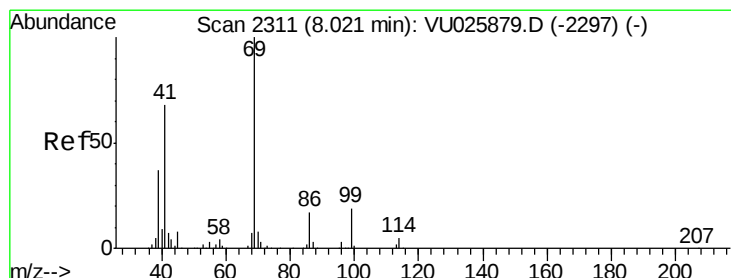
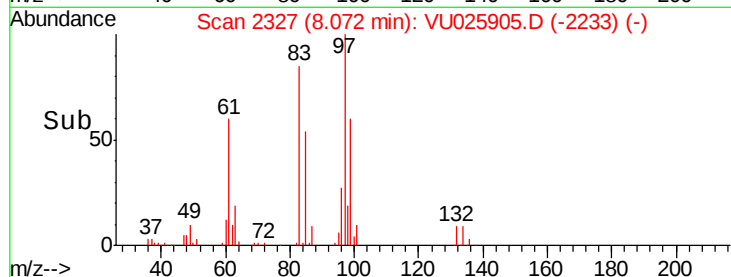
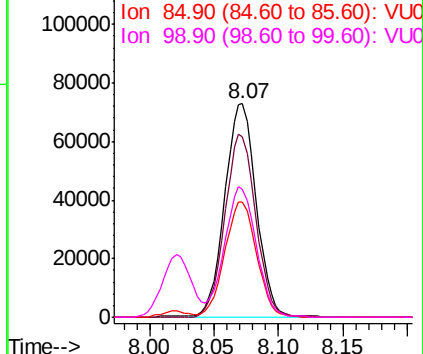
#55
 1,1,2-Trichloroethane
 Concen: 51.253 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

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

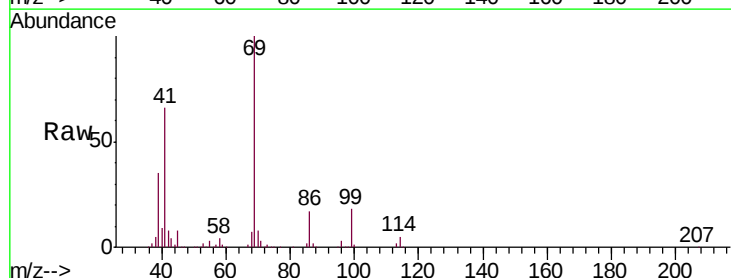


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

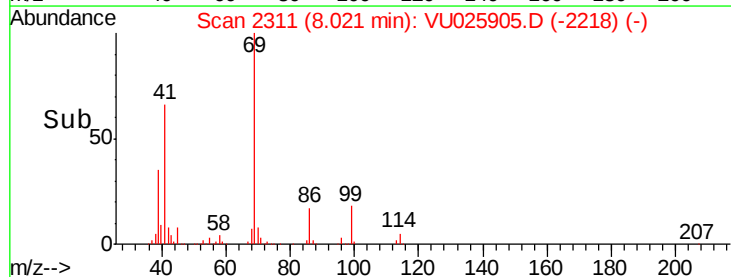
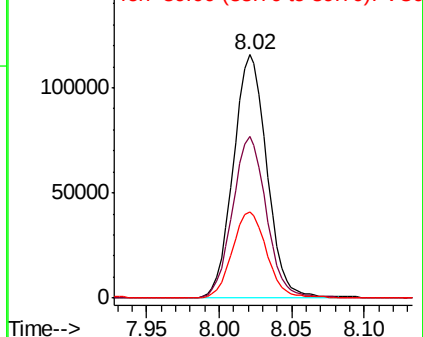


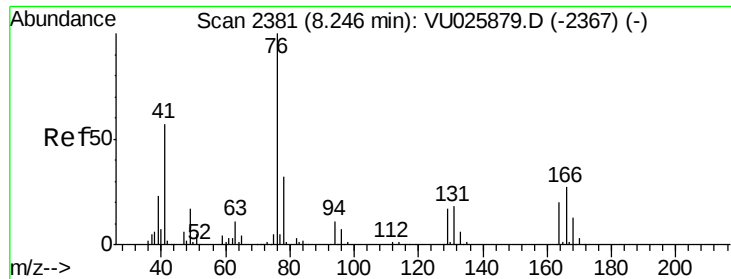
#56
 Ethyl methacrylate
 Concen: 54.173 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

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

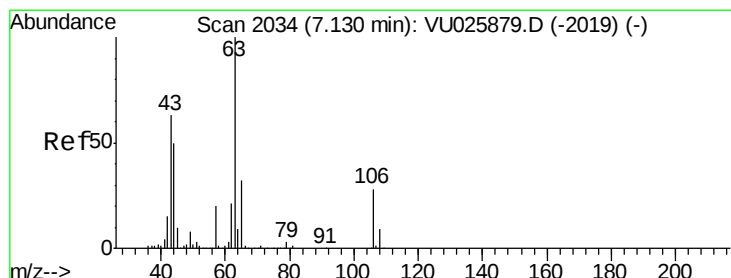
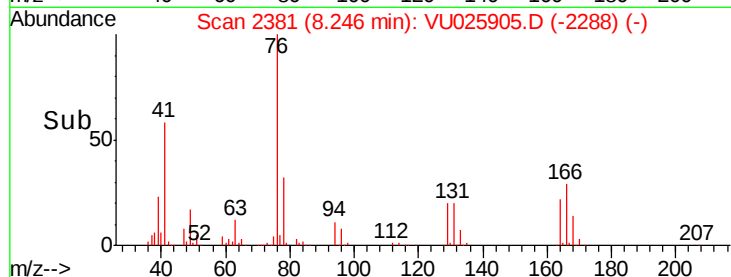
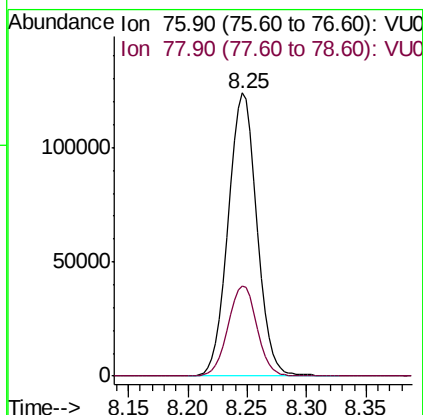
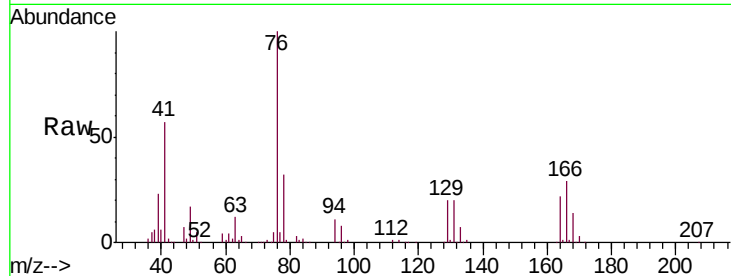




#57
 1,3-Dichloropropane
 Concen: 51.353 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

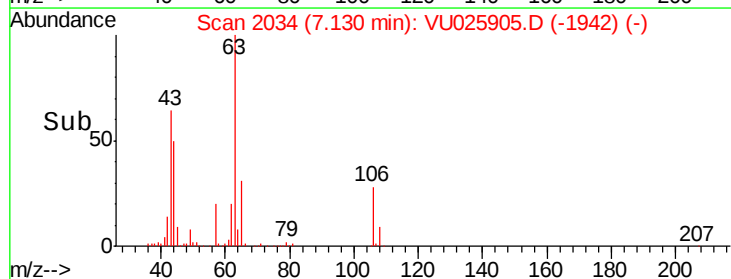
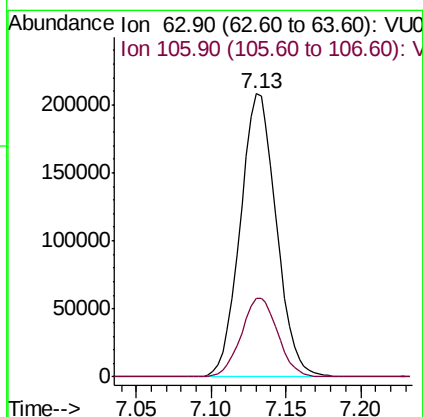
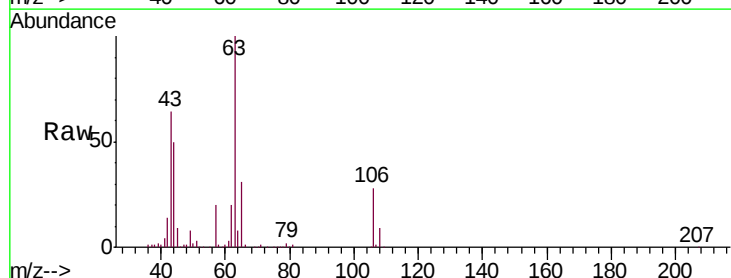
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

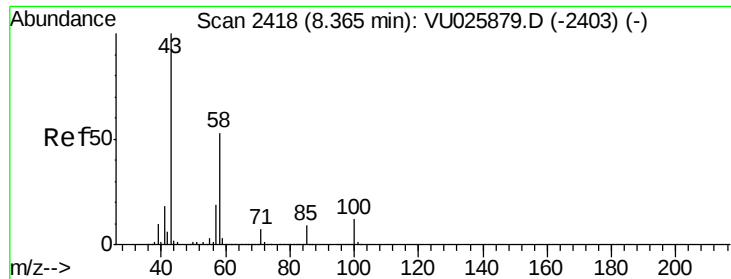
Tgt Ion: 76 Resp: 207581
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.325 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion: 63 Resp: 349307
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5

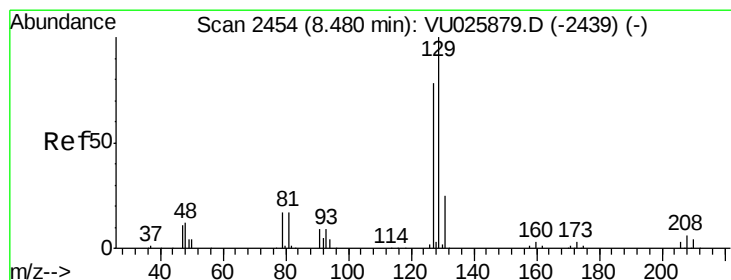
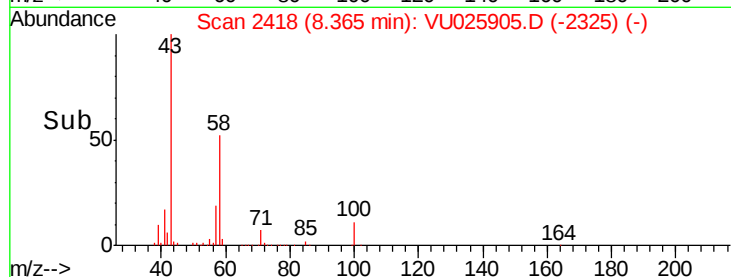
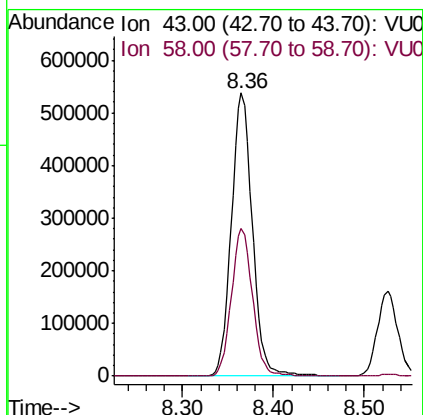
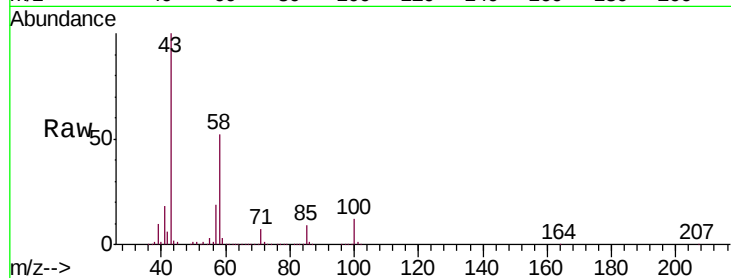




#59
2-Hexanone
Concen: 322.567 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

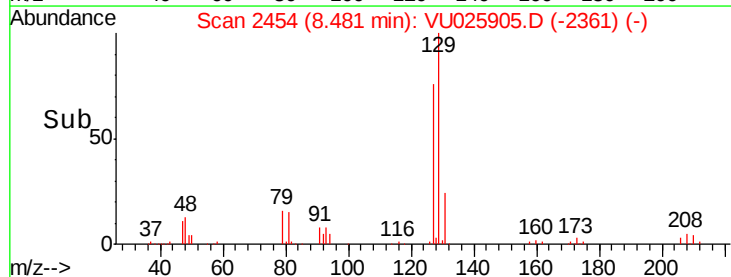
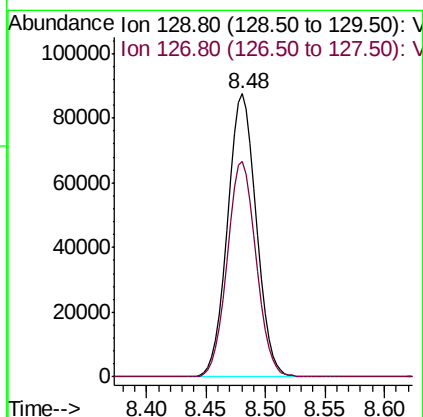
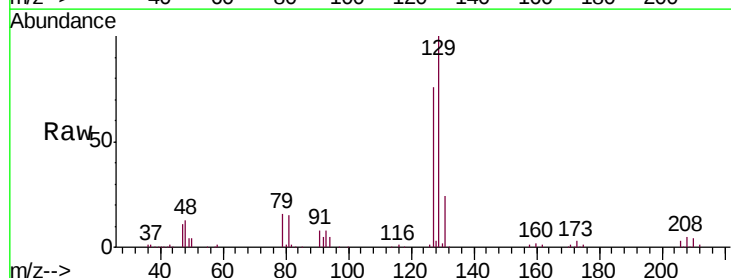
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

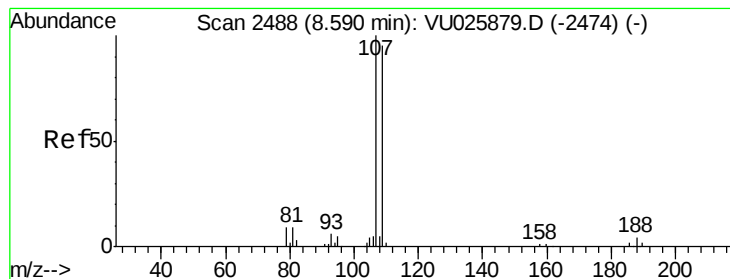
Tgt Ion: 43 Resp: 863929
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5



#60
Dibromochloromethane
Concen: 51.864 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

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





#61

1,2-Dibromoethane

Concen: 51.175 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

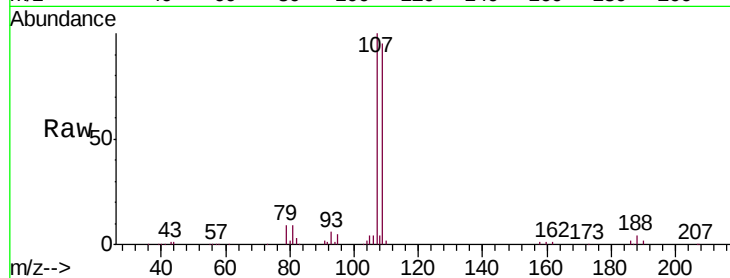
VSTDCCC050EC

Tgt Ion: 107 Resp: 136802

Ion Ratio Lower Upper

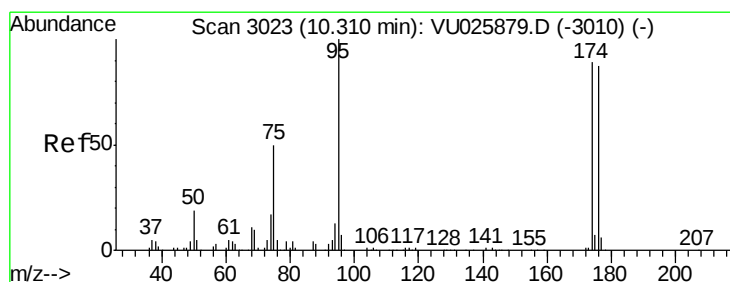
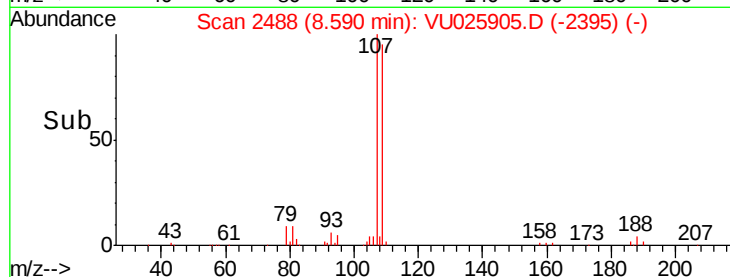
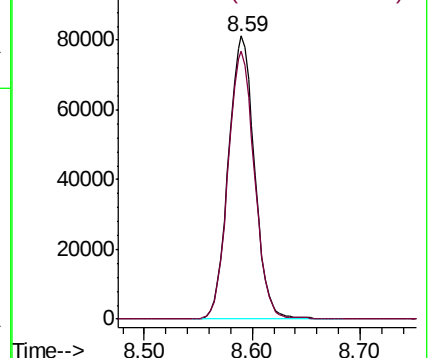
107 100

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: 49.188 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

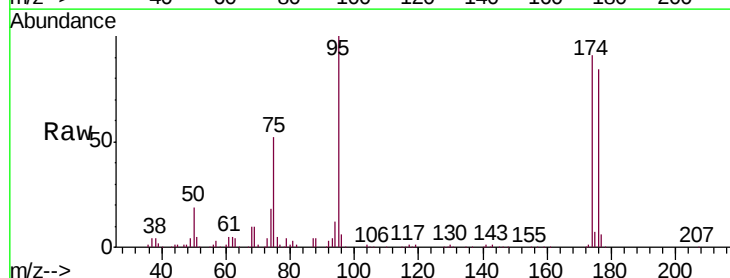
Tgt Ion: 95 Resp: 158365

Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

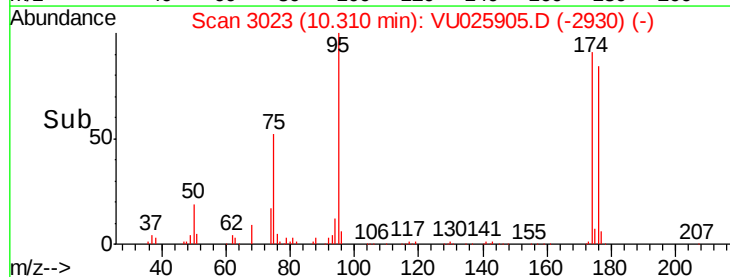
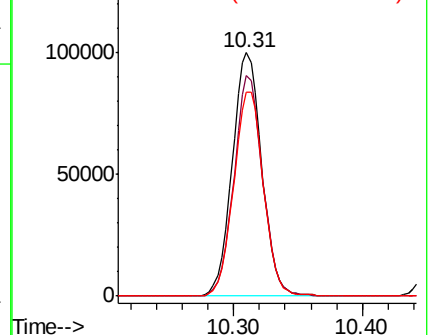
176 84.7 0.0 162.6

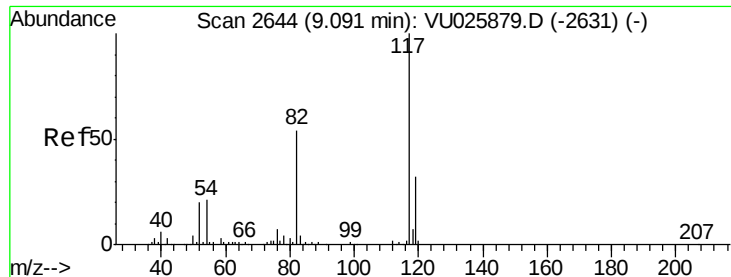


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

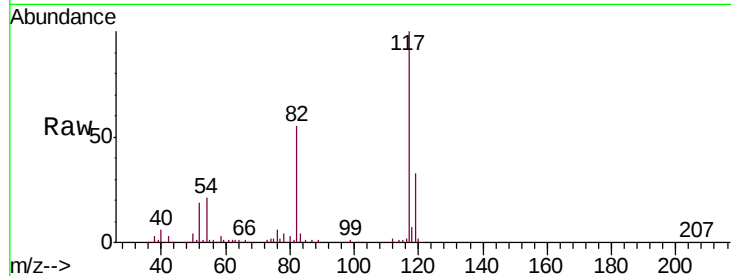




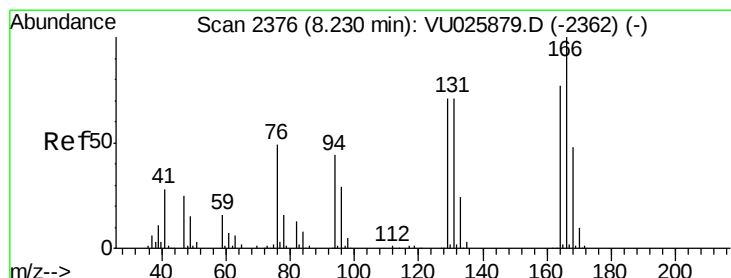
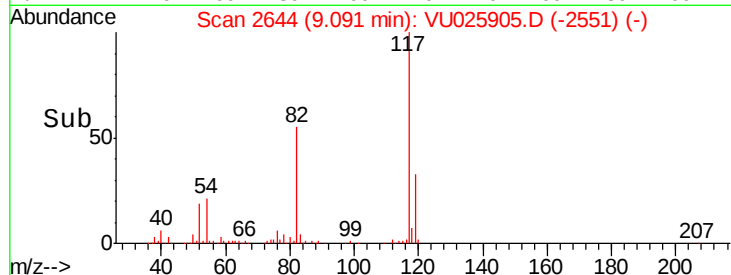
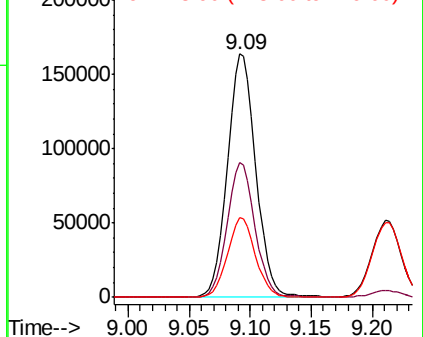
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

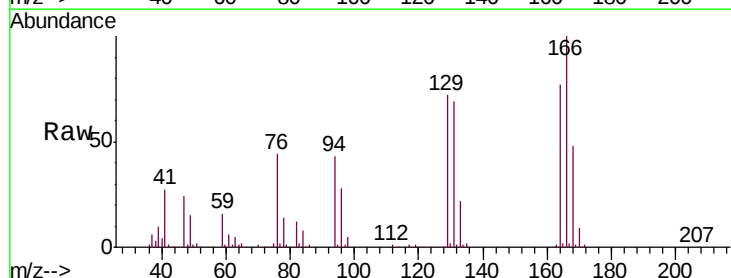


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

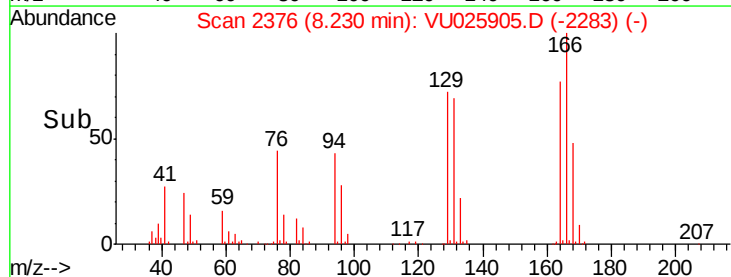
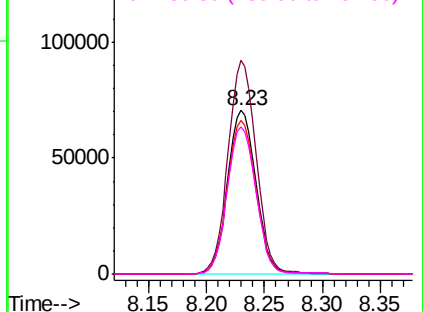


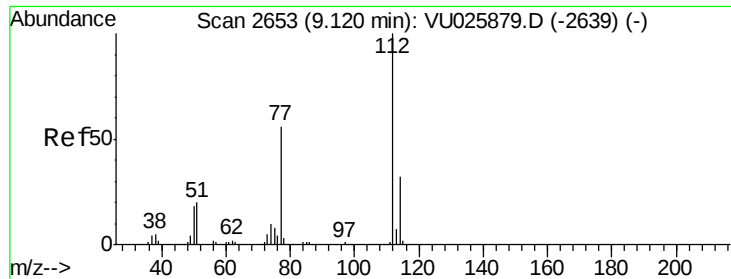
#64
Tetrachloroethene
Concen: 51.340 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion:164 Resp: 120388
Ion Ratio Lower Upper
164 100
166 130.5 101.1 151.7
129 93.6 73.0 109.6
131 90.2 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: 50.327 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

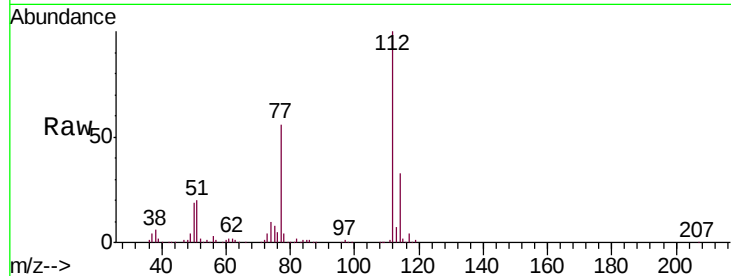
VSTDCCC050EC

Tgt Ion:112 Resp: 345677

Ion Ratio Lower Upper

112 100

114 32.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

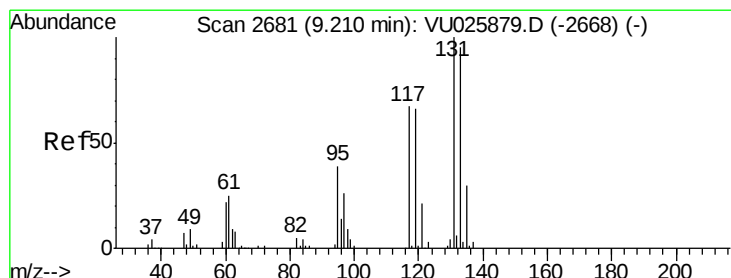
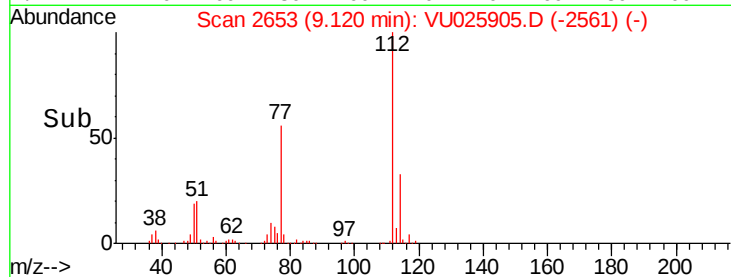
150000

100000

50000

0

Time--> 9.00 9.10 9.20



#66

1,1,1,2-Tetrachloroethane

Concen: 53.175 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

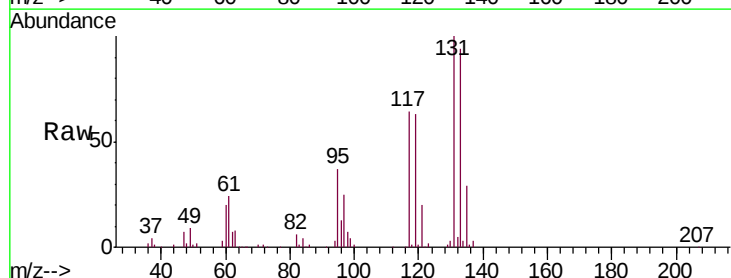
Tgt Ion:131 Resp: 132128

Ion Ratio Lower Upper

131 100

133 93.2 47.8 143.3

119 63.1 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

9.21

100000

80000

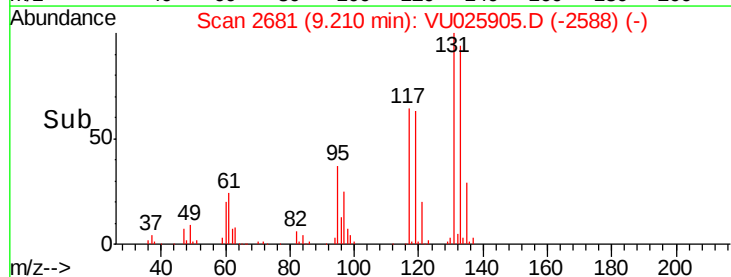
60000

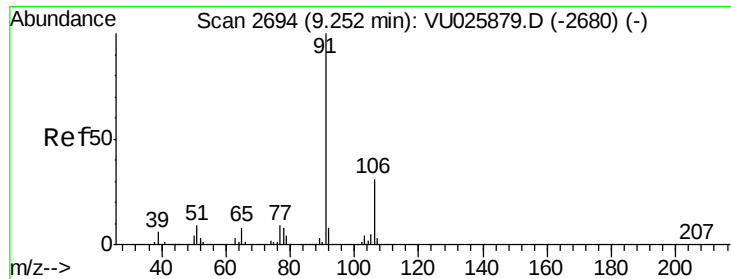
40000

20000

0

Time--> 9.15 9.20 9.25 9.30

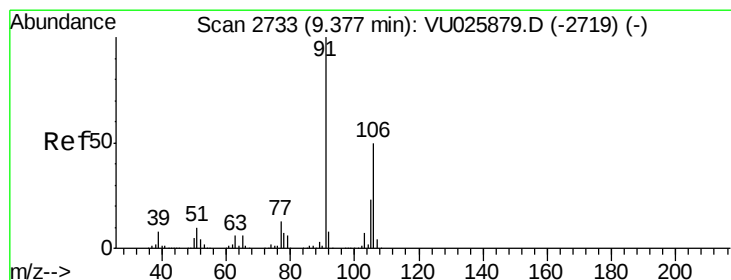
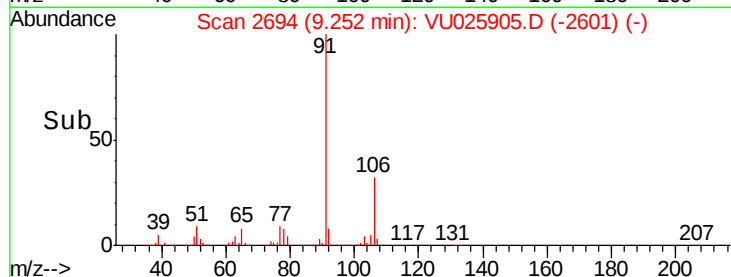
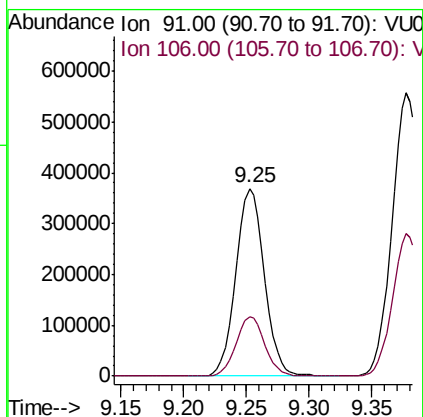
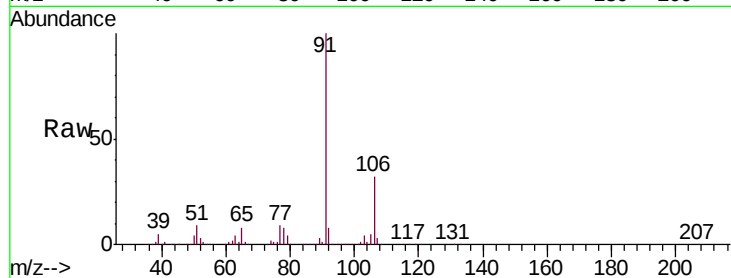




#67
Ethyl Benzene
Concen: 51.323 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

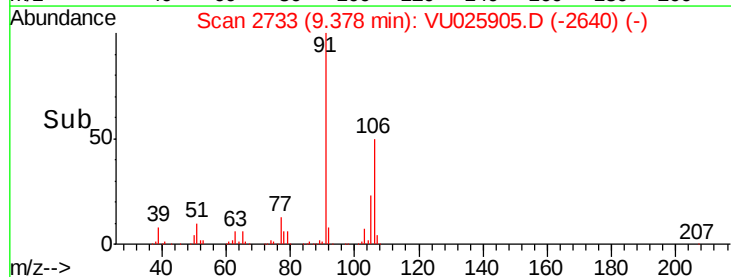
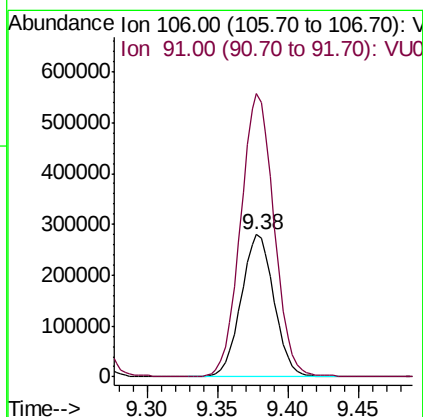
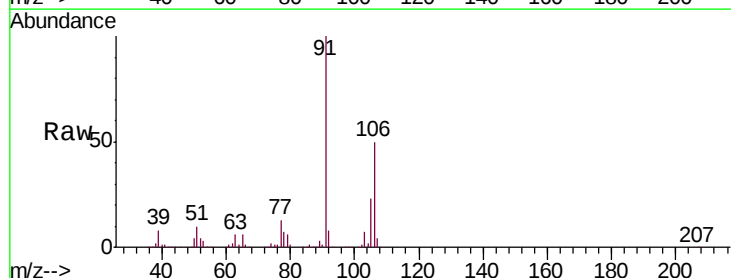
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

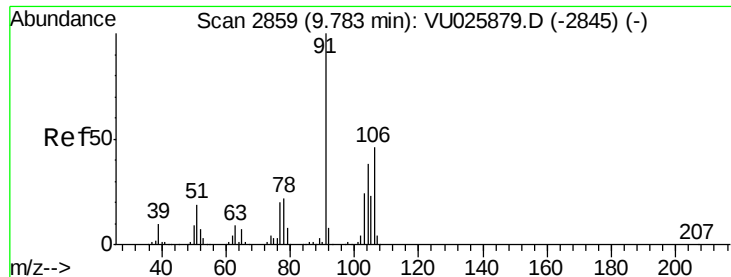
Tgt Ion: 91 Resp: 583927
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



#68
m/p-Xylenes
Concen: 104.685 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 106 Resp: 457271
Ion Ratio Lower Upper
106 100
91 202.8 162.3 243.5

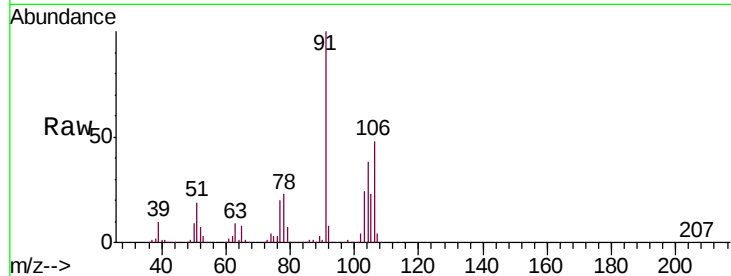




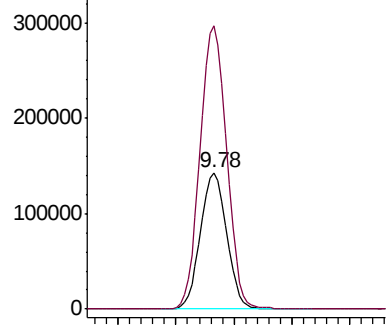
#69
o-Xylene
Concen: 52.299 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

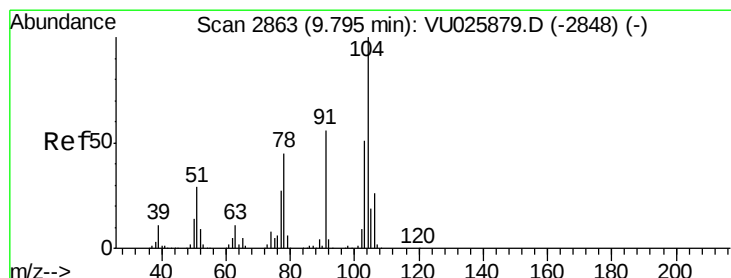
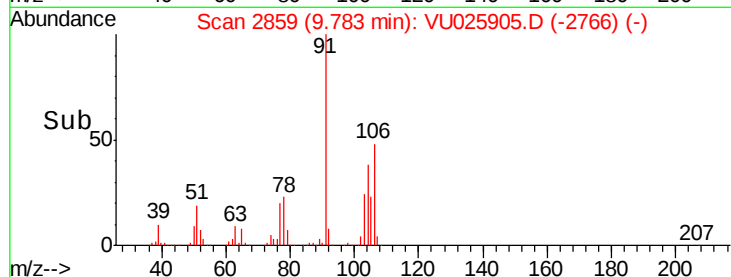
Tgt Ion:106 Resp: 223268
Ion Ratio Lower Upper
106 100
91 210.3 105.3 315.8



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

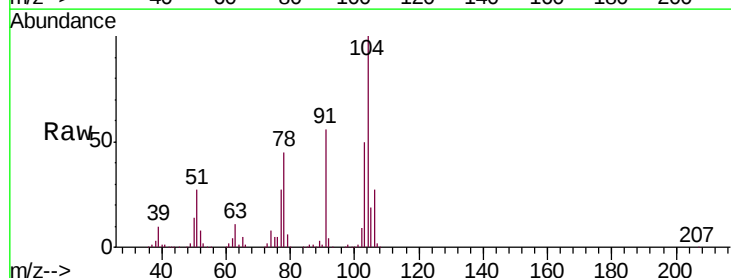


Time-->

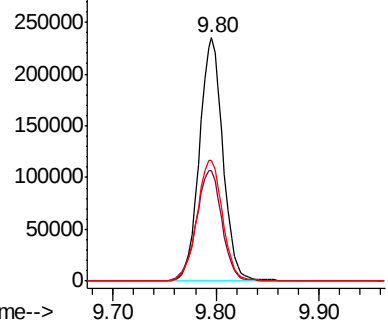


#70
Styrene
Concen: 54.109 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

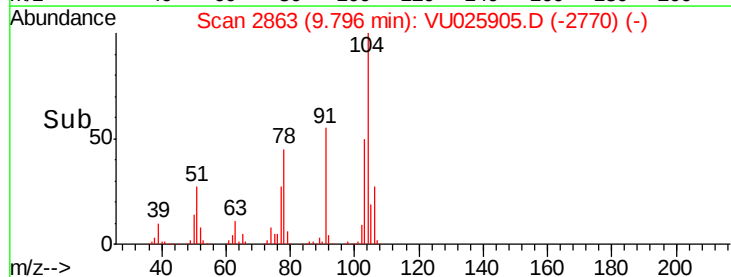
Tgt Ion:104 Resp: 373116
Ion Ratio Lower Upper
104 100
78 49.9 41.6 62.4
103 54.3 44.6 66.8

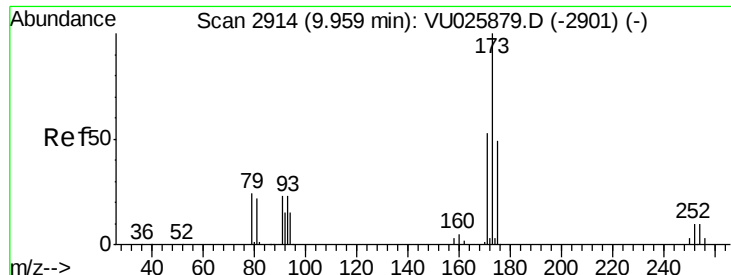


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->

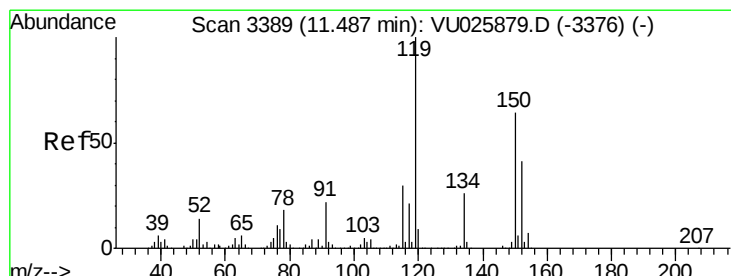
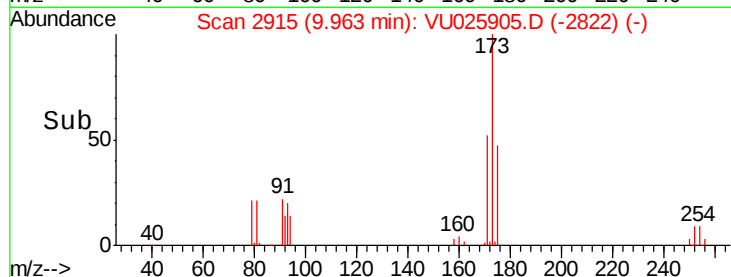
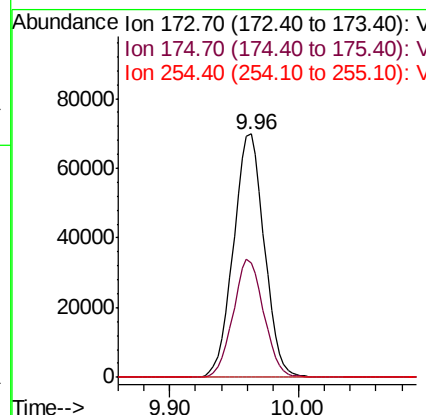
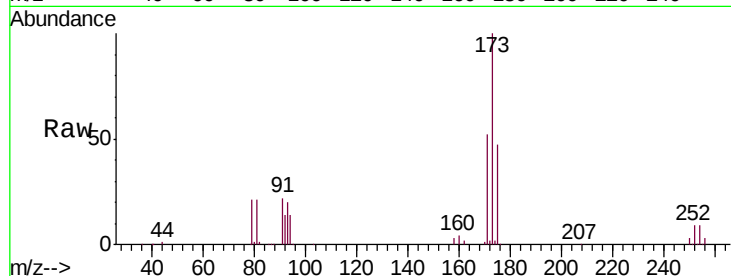




#71
 Bromoform
 Concen: 53.875 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

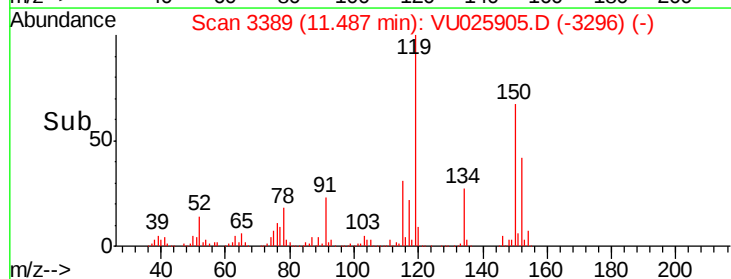
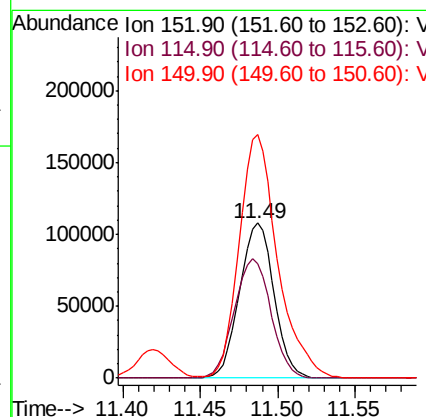
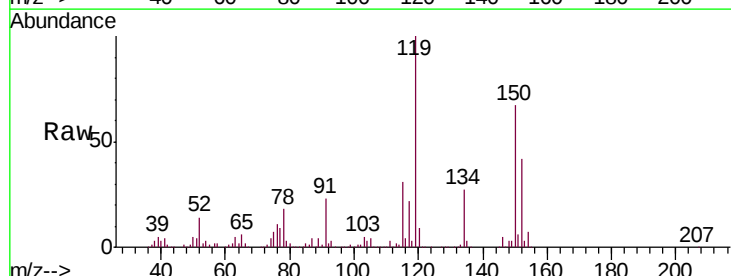
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

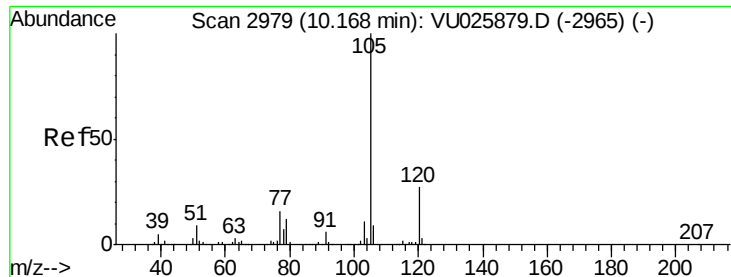
Tgt Ion:173 Resp: 116076
 Ion Ratio Lower Upper
 173 100
 175 48.2 24.0 72.0
 254 0.1 0.0 0.0#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion:152 Resp: 166574
 Ion Ratio Lower Upper
 152 100
 115 82.0 40.1 120.3
 150 175.2 0.0 351.4





#73

Isopropylbenzene

Concen: 52.473 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

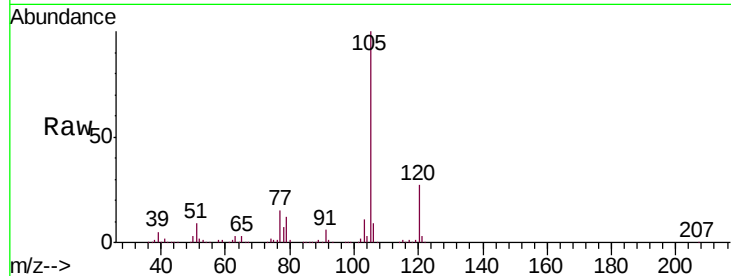
VSTDCCC050EC

Tgt Ion: 105 Resp: 596566

Ion Ratio Lower Upper

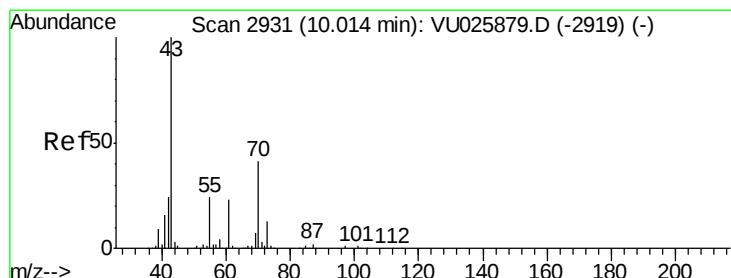
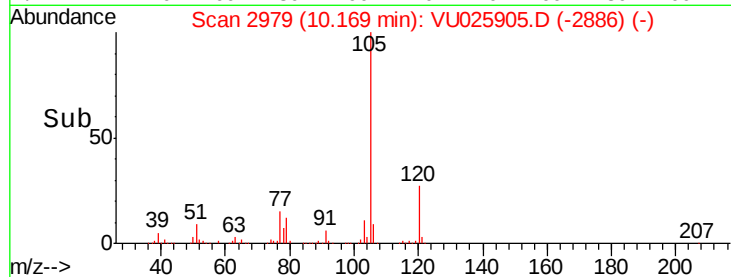
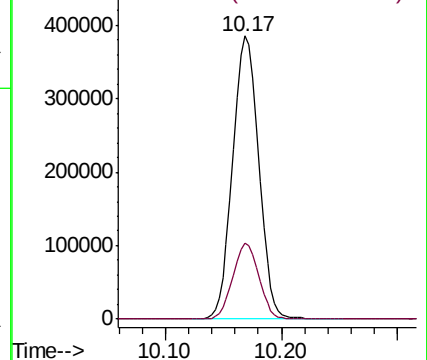
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.800 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Tgt Ion: 43 Resp: 254341

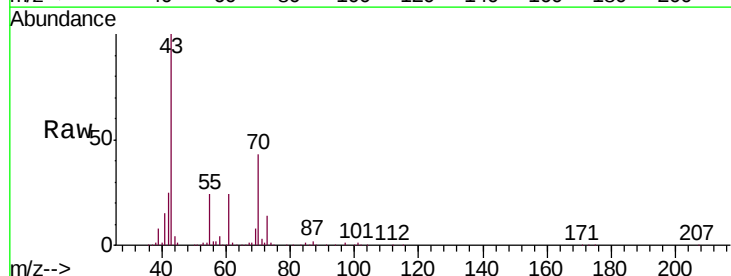
Ion Ratio Lower Upper

43 100

70 42.6 33.4 50.2

55 24.1 19.0 28.6

61 24.1 19.3 28.9

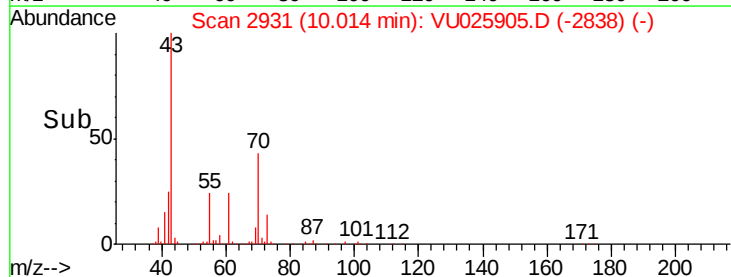
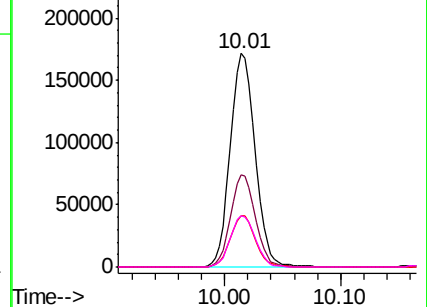


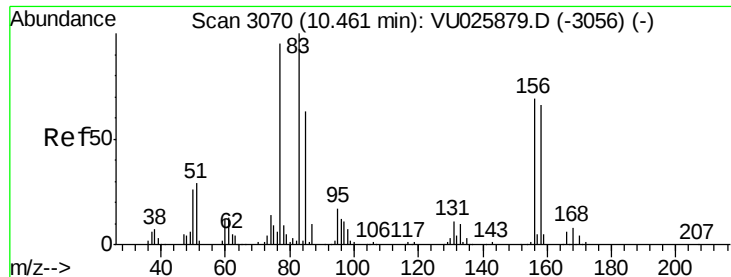
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.563 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

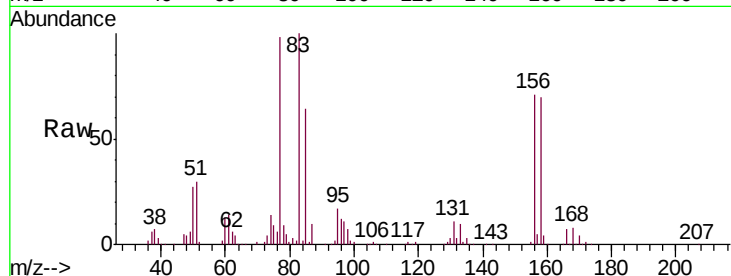
Tgt Ion: 83 Resp: 198790

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

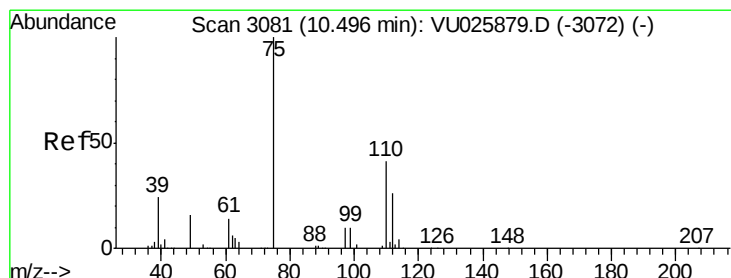
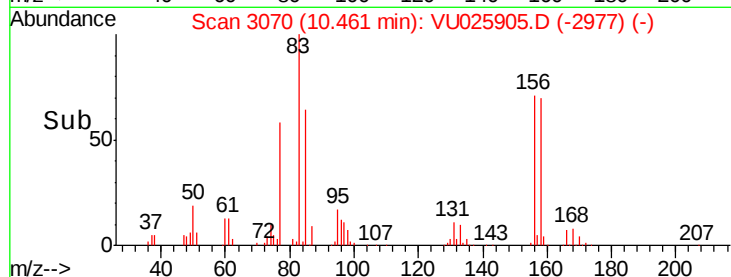
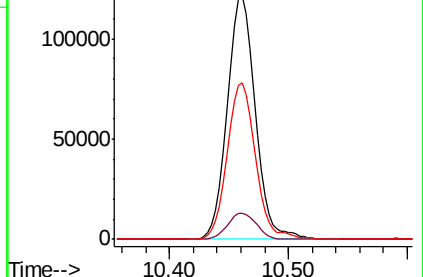
85 65.0 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025879.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025879.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025879.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 63.386 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025905.D

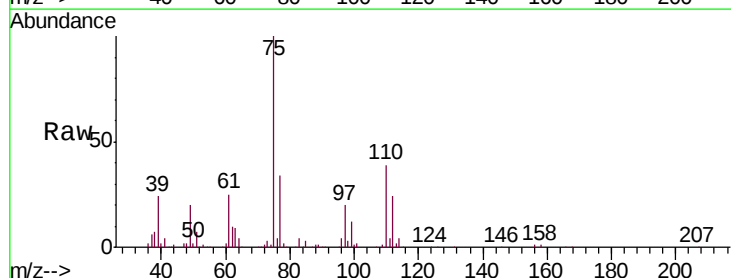
Acq: 06 Aug 2018 22:46

Tgt Ion: 75 Resp: 232635

Ion Ratio Lower Upper

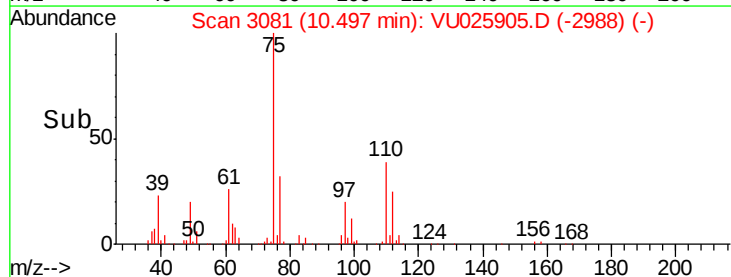
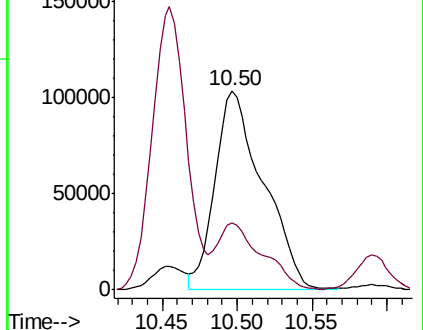
75 100

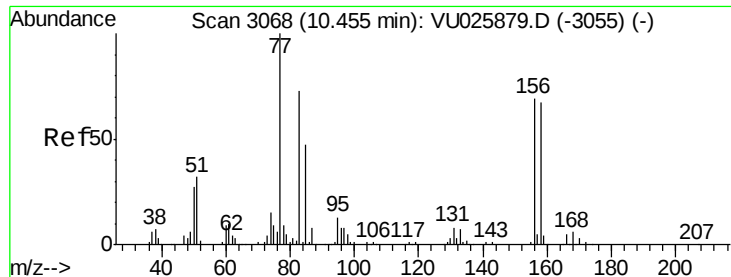
77 31.6 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025879.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU025879.D (-3072) (-)





#77

Bromobenzene

Concen: 50.841 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

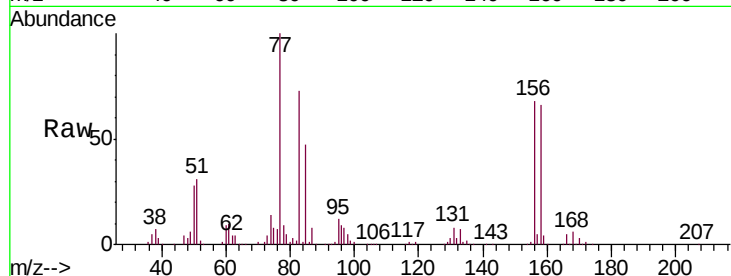
Tgt Ion:156 Resp: 159431

Ion Ratio Lower Upper

156 100

77 146.9 73.8 221.4

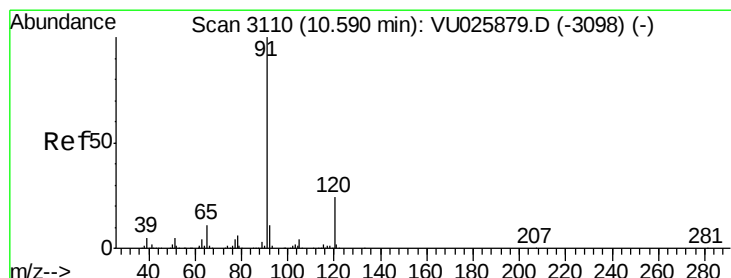
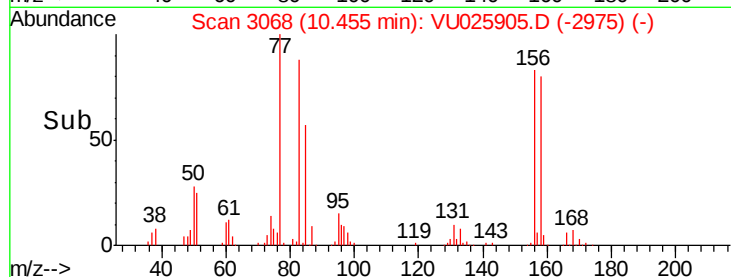
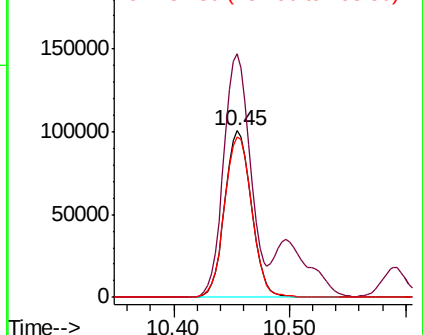
158 99.0 48.0 144.0



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: 52.520 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025905.D

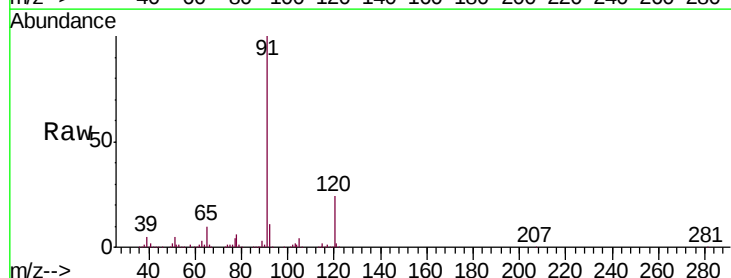
Acq: 06 Aug 2018 22:46

Tgt Ion: 91 Resp: 696916

Ion Ratio Lower Upper

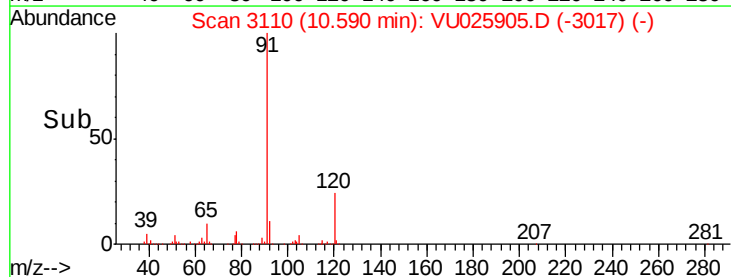
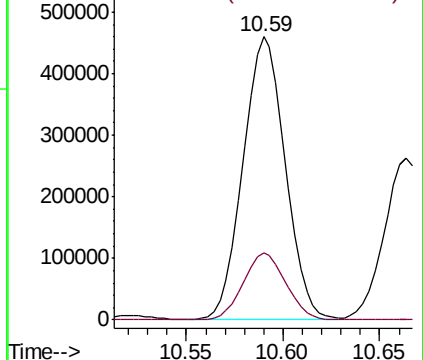
91 100

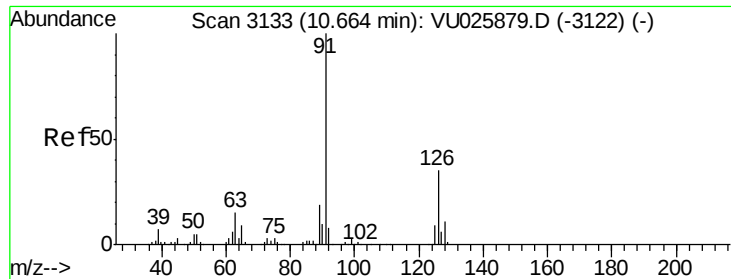
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.773 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

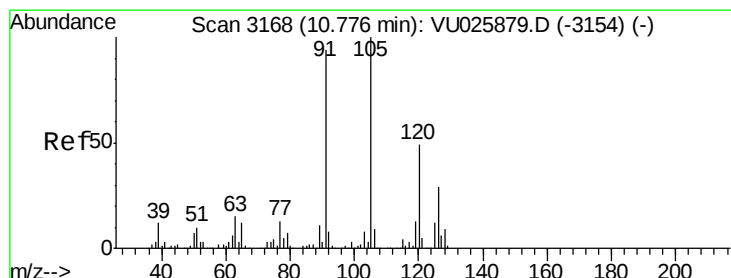
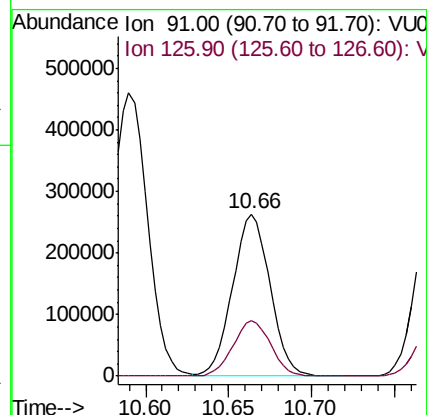
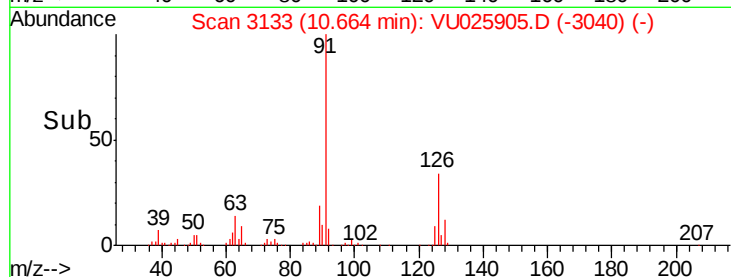
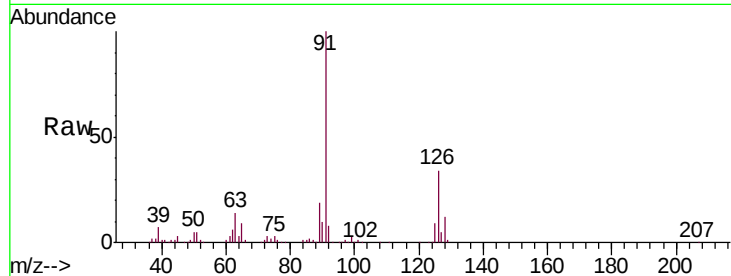
VSTDCCC050EC

Tgt Ion: 91 Resp: 410166

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 52.965 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025905.D

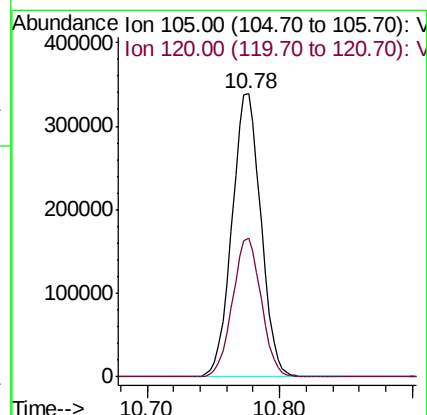
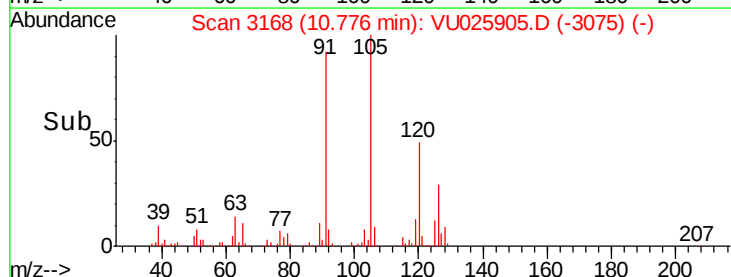
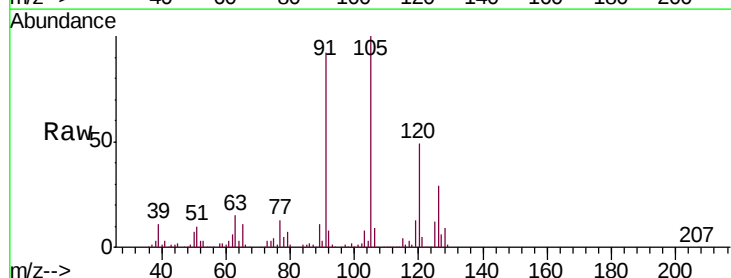
Acq: 06 Aug 2018 22:46

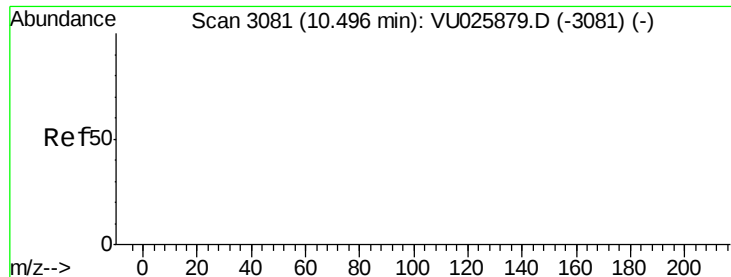
Tgt Ion: 105 Resp: 511395

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2

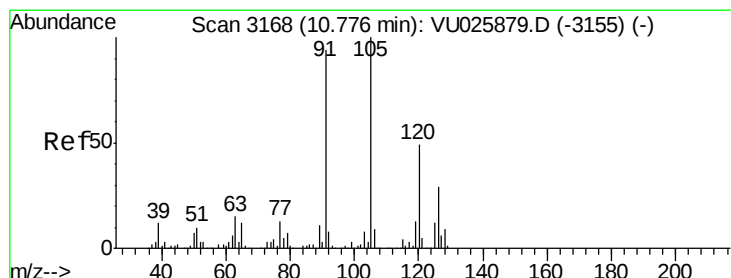
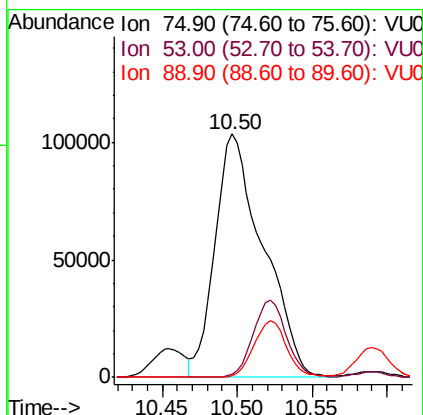
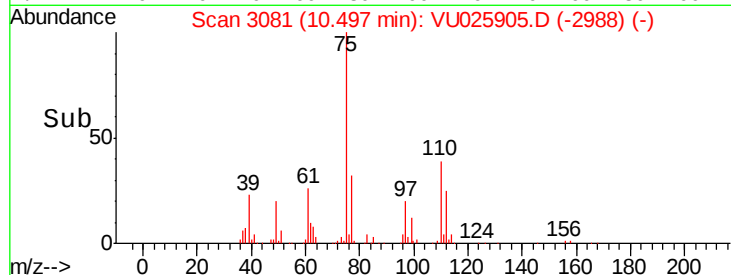
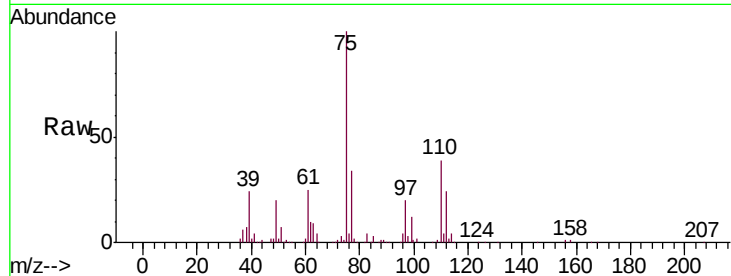




#81
trans-1,4-Dichloro-2-butene
Concen: 158.939 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

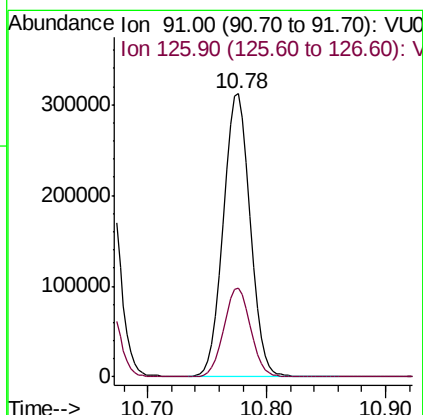
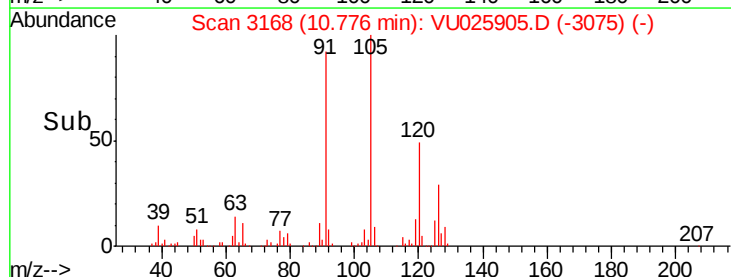
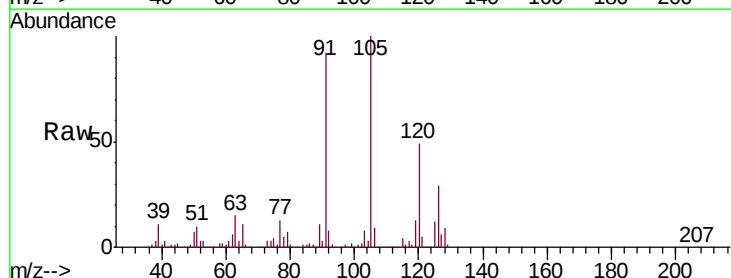
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

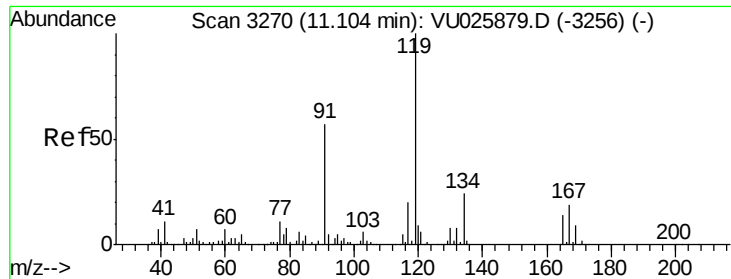
Tgt Ion: 75 Resp: 232635
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 53.232 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 91 Resp: 487697
Ion Ratio Lower Upper
91 100
126 31.4 15.3 45.9

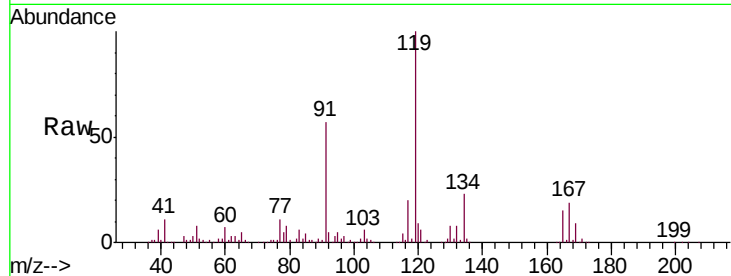




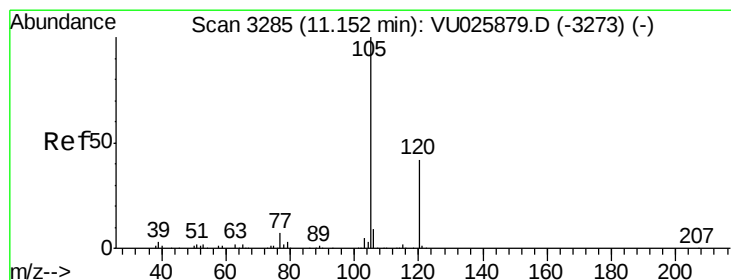
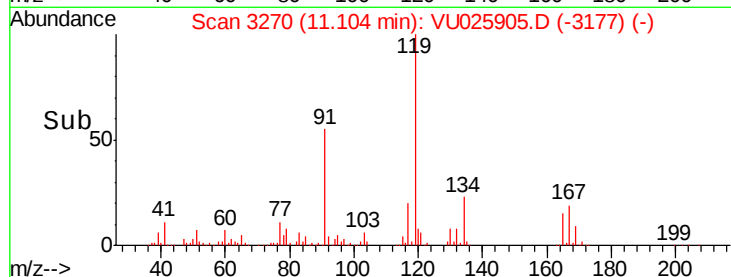
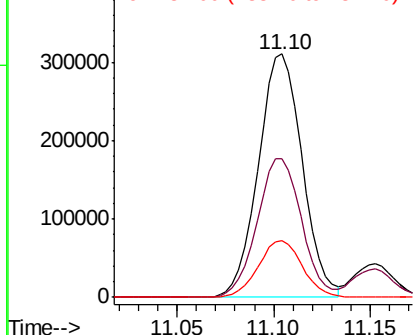
#83
 tert-Butylbenzene
 Concen: 51.307 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

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

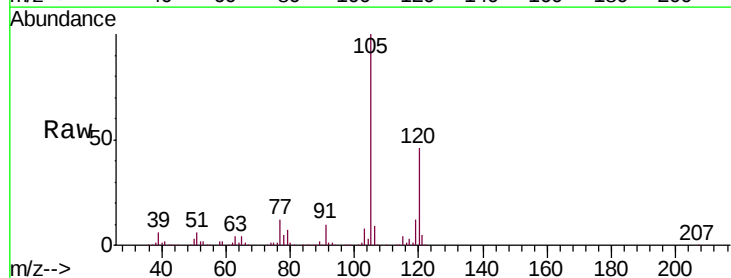


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

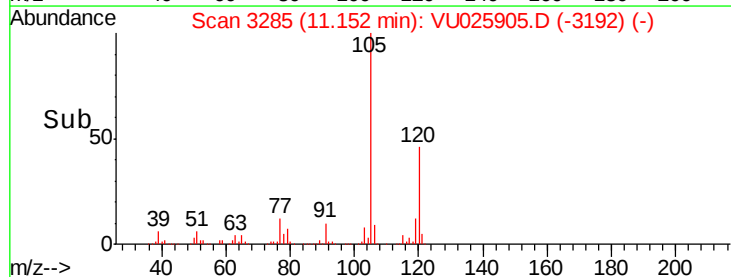
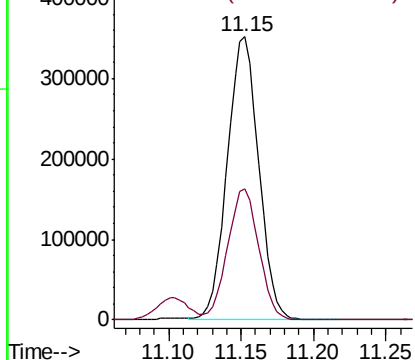


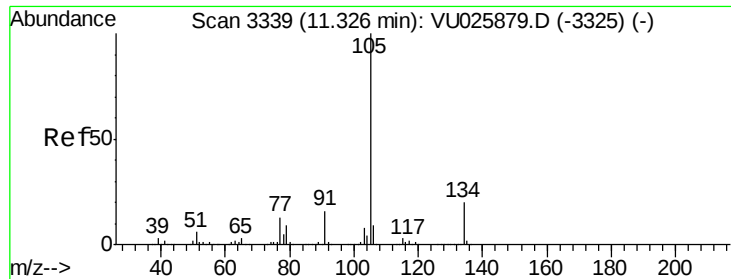
#84
 1,2,4-Trimethylbenzene
 Concen: 54.108 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8



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

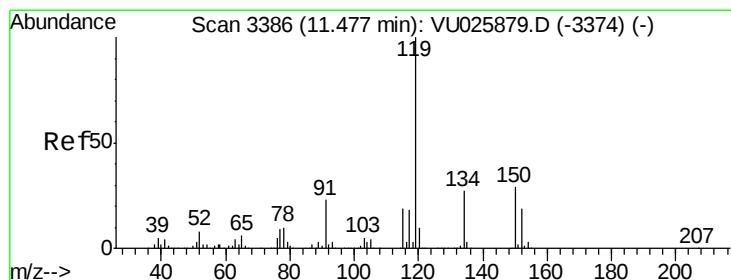
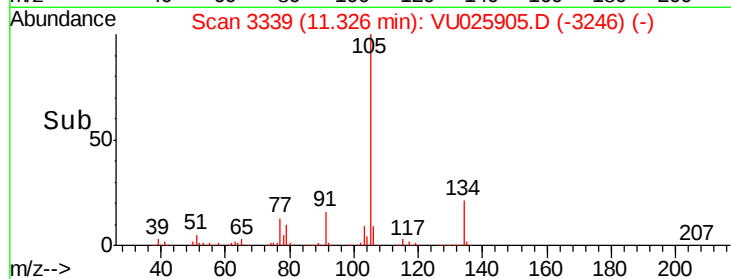
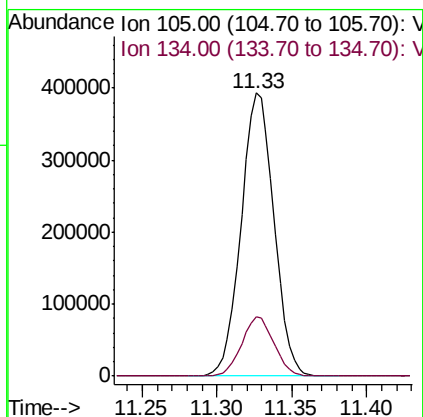
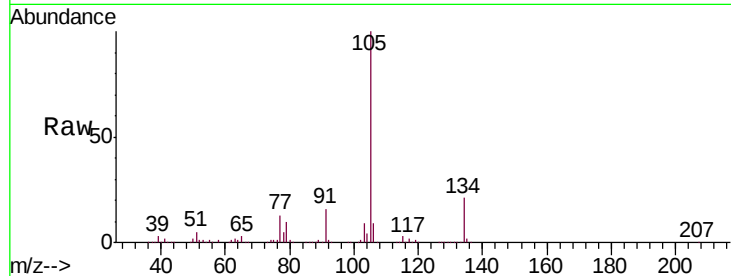




#85
 sec-Butylbenzene
 Concen: 51.290 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

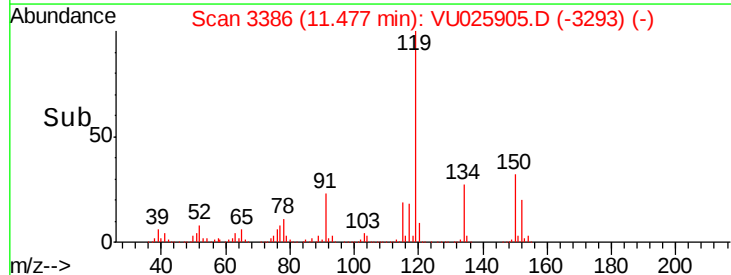
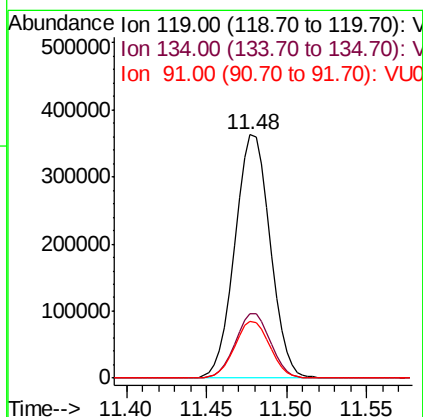
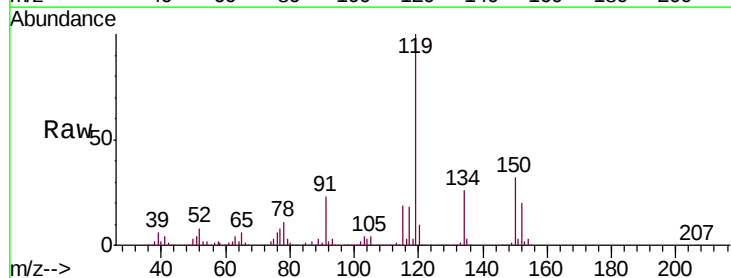
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

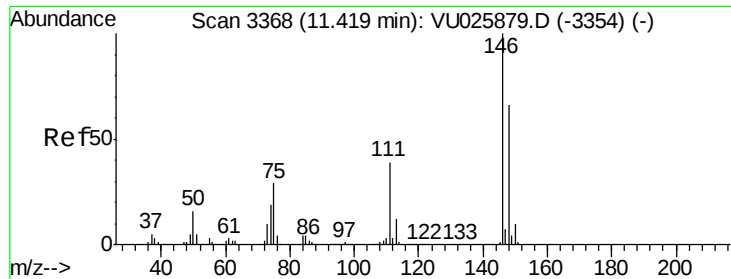
Tgt Ion:105 Resp: 600739
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 51.747 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion:119 Resp: 542714
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 23.6 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 50.680 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

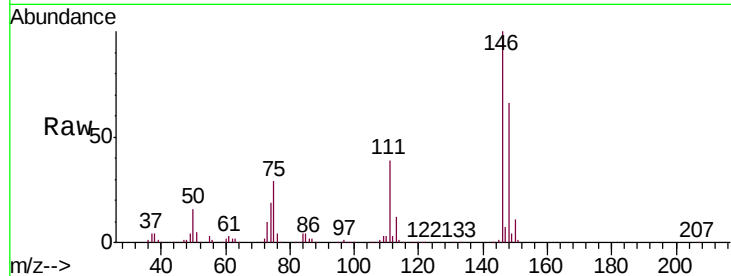
Tgt Ion:146 Resp: 294994

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.1

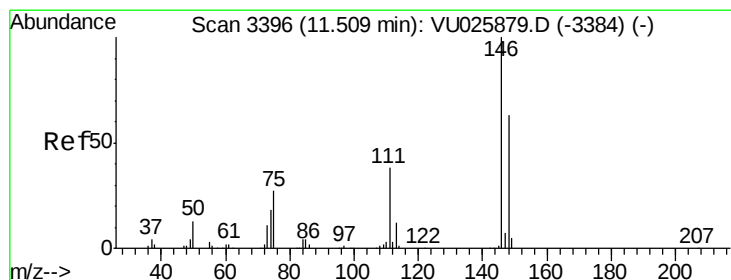
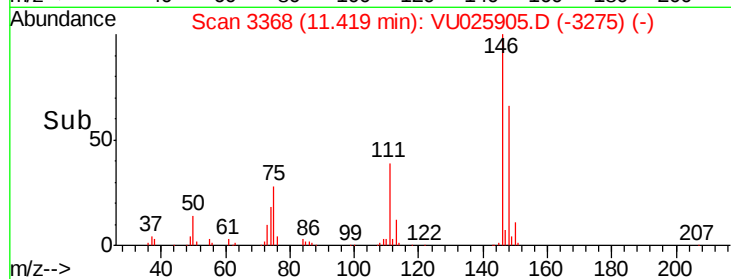
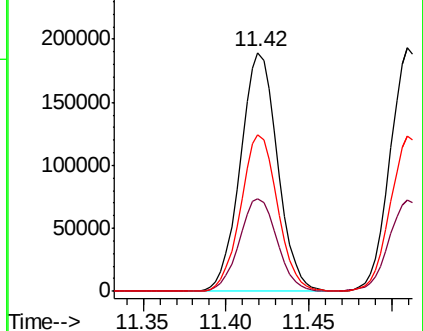
148 65.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.434 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025905.D

Acq: 06 Aug 2018 22:46

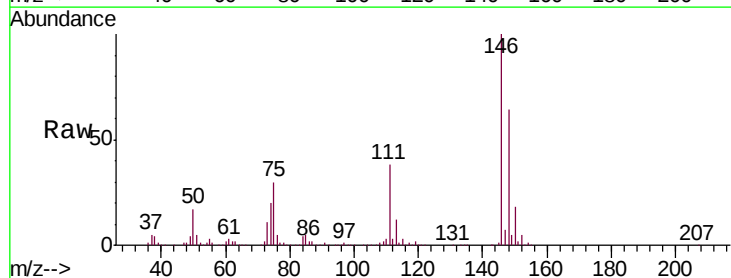
Tgt Ion:146 Resp: 299943

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.1

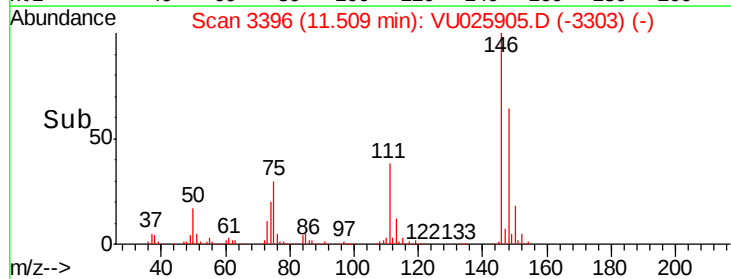
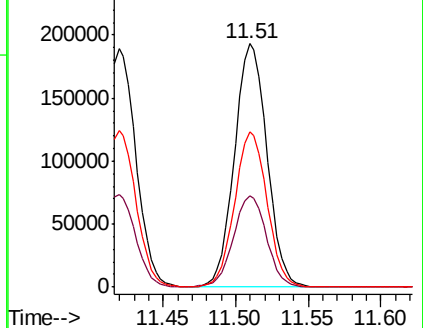
148 63.7 31.7 95.1

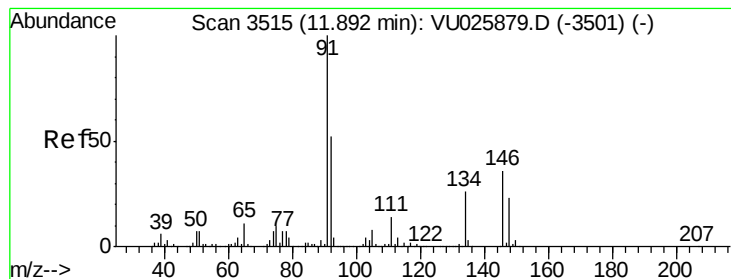


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

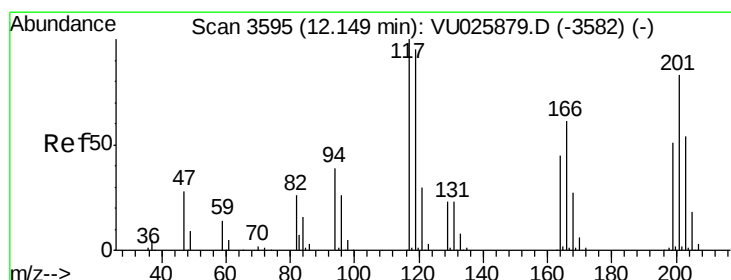
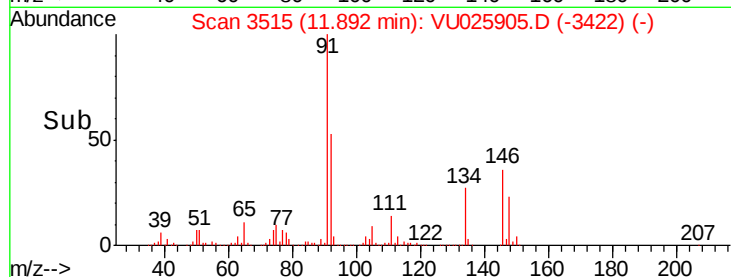
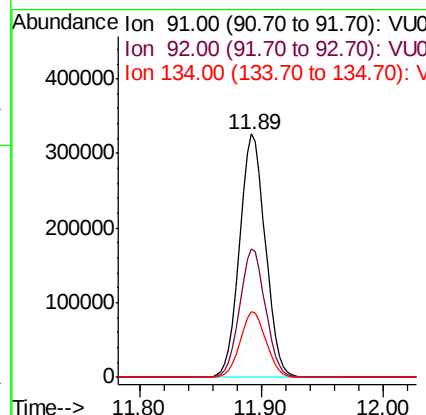
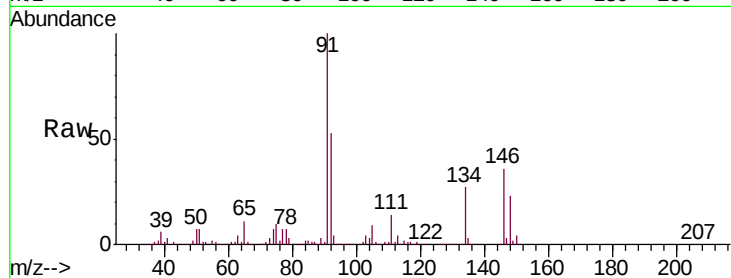




#89
n-Butylbenzene
Concen: 49.327 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

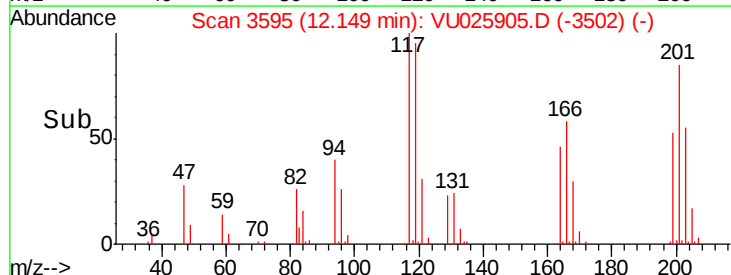
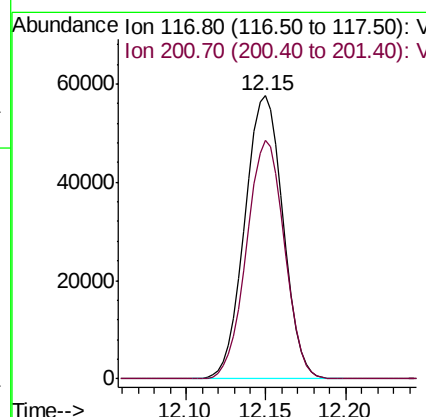
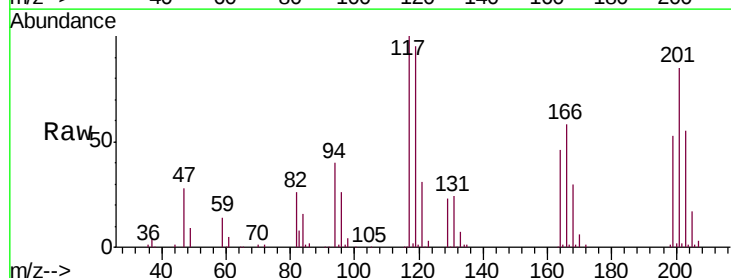
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

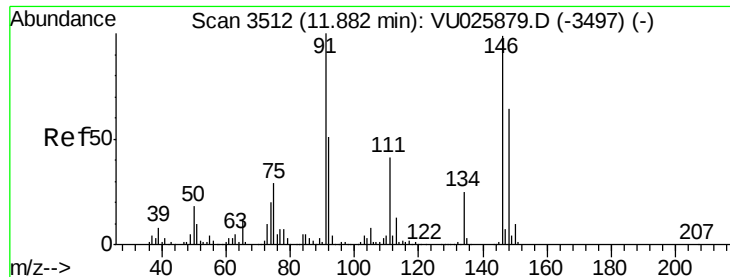
Tgt Ion: 91 Resp: 477399
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.5
134 27.2 13.6 40.7



#90
Hexachloroethane
Concen: 50.326 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Tgt Ion: 117 Resp: 93843
Ion Ratio Lower Upper
117 100
201 83.3 42.5 127.6

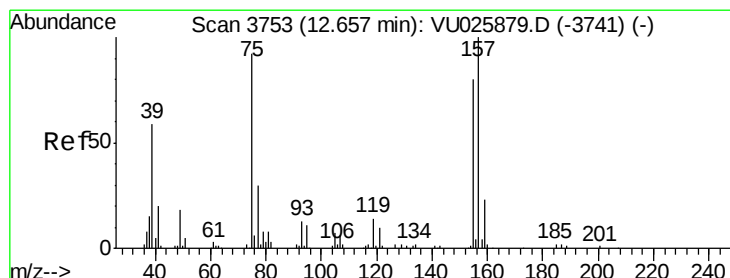
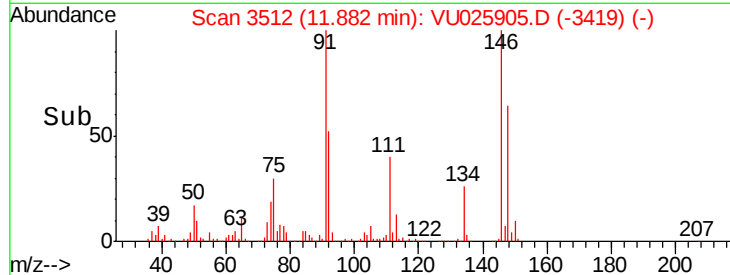
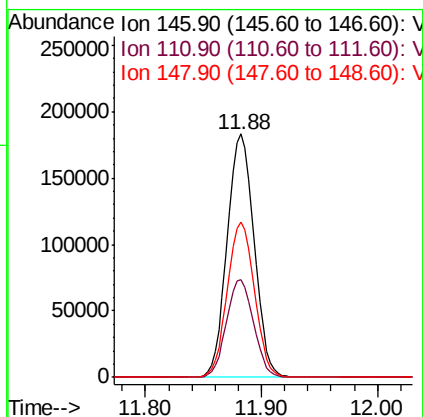
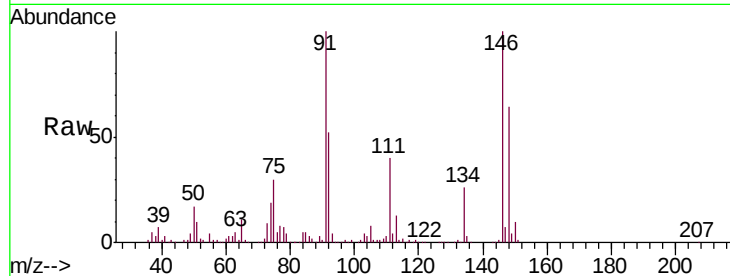




#91
 1,2-Dichlorobenzene
 Concen: 51.445 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

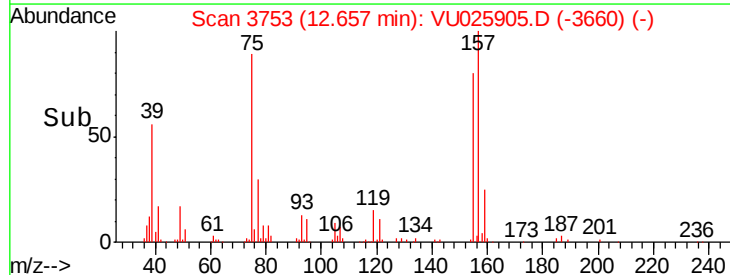
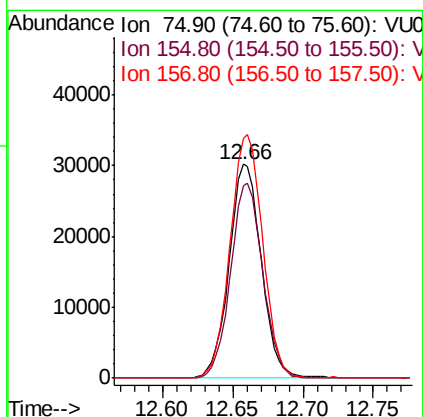
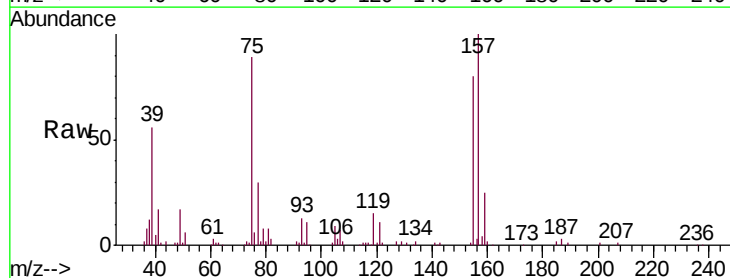
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

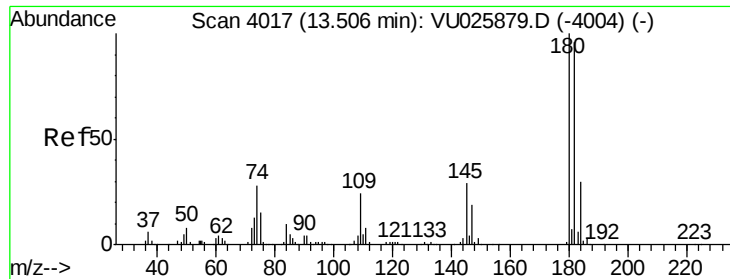
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.2	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.860 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

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

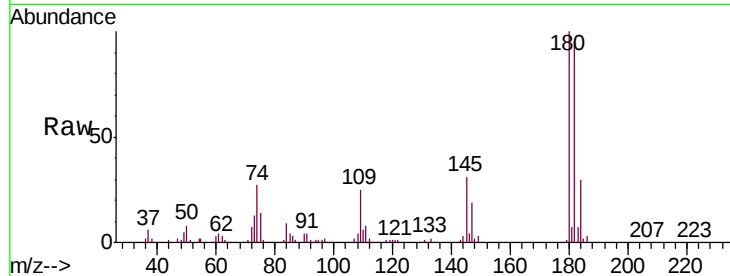




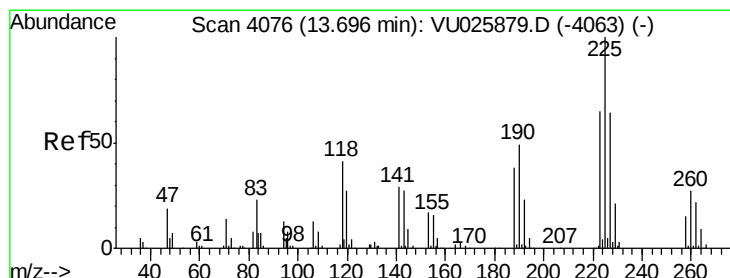
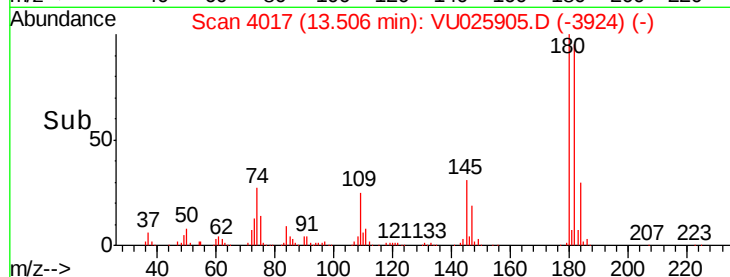
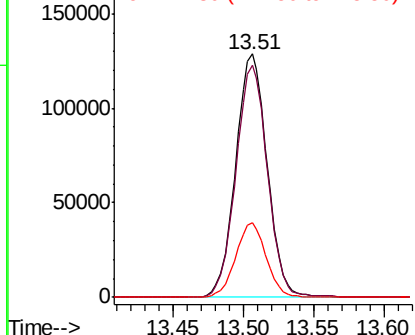
#93
 1,2,4-Trichlorobenzene
 Concen: 52.431 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	29.9	14.9	44.7

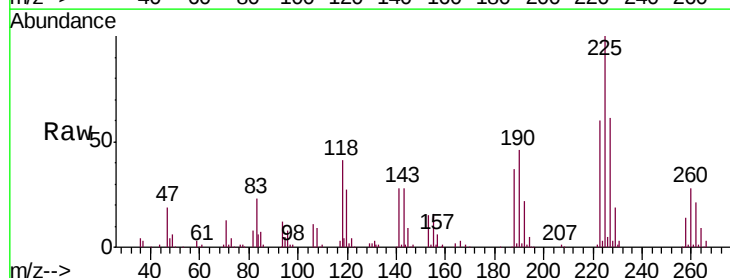


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

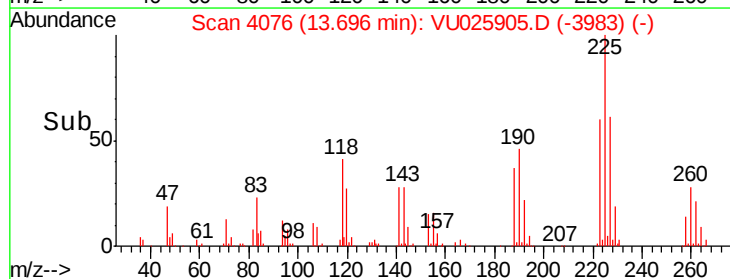
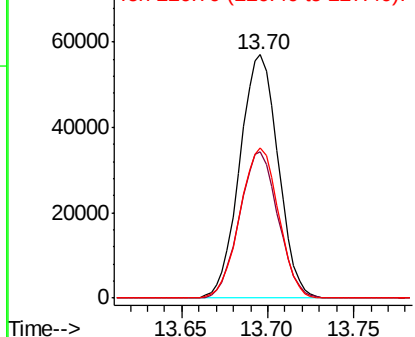


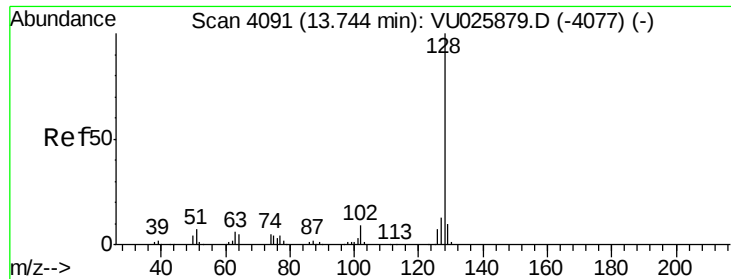
#94
 Hexachlorobutadiene
 Concen: 43.539 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025905.D
 Acq: 06 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.7
227	62.1	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

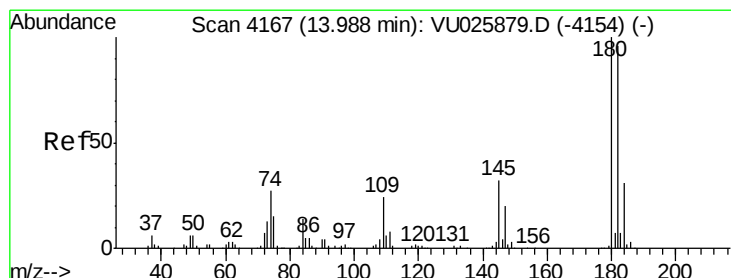
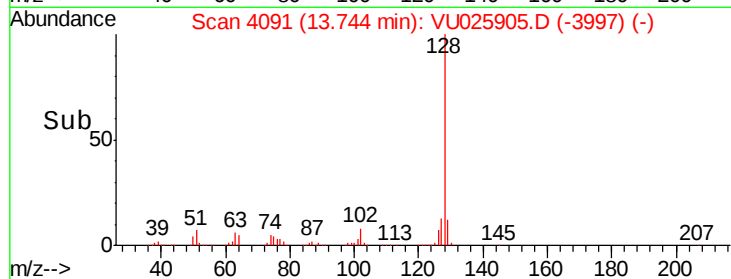
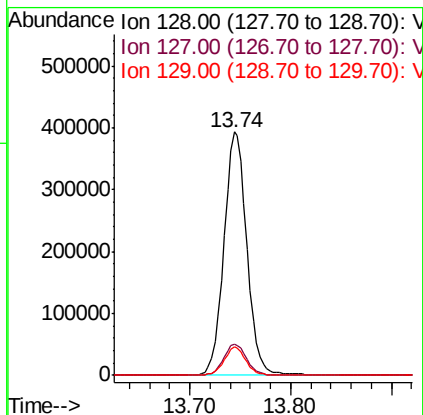
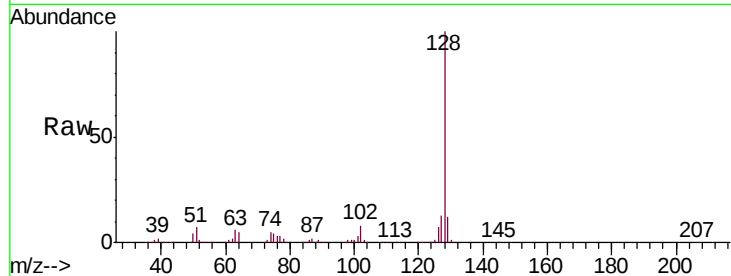




#95
Naphthalene
Concen: 50.533 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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



#96
1,2,3-Trichlorobenzene
Concen: 52.823 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025905.D
Acq: 06 Aug 2018 22:46

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

