

Data File : VU029235.D
Acq On : 21 Jan 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Jan 22 01:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	185647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	293247	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	144729	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	112192	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	4.88	113	96558	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	7.56	98	372127	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.30	95	131442	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	80421	43.681	ug/l	99
3) Chloromethane	1.33	50	116150	39.378	ug/l	97
4) Vinyl Chloride	1.40	62	119200	43.934	ug/l	100
5) Bromomethane	1.61	94	59802	42.411	ug/l	96
6) Chloroethane	1.69	64	69176	42.805	ug/l	98
7) Trichlorofluoromethane	1.88	101	132474	44.809	ug/l	97
8) Diethyl Ether	2.10	74	64632	45.505	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89313	45.150	ug/l	99
10) Methyl Iodide	2.41	142	96851	52.071	ug/l	100
11) Tert butyl alcohol	2.83	59	130216	223.223	ug/l	100
12) 1,1-Dichloroethene	2.28	96	83814	43.530	ug/l	90
13) Acrolein	2.19	56	85688	195.621	ug/l	99
14) Allyl chloride	2.59	41	157090	44.466	ug/l	92
15) Acrylonitrile	2.93	53	364008	254.347	ug/l	99
16) Acetone	2.32	43	434981	300.872	ug/l	96
17) Carbon Disulfide	2.48	76	264048	41.317	ug/l	100
18) Methyl Acetate	2.61	43	189150	56.268	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	324004	47.864	ug/l	98
20) Methylene Chloride	2.70	84	109494	44.607	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	100602	44.972	ug/l	97
22) Diisopropyl ether	3.57	45	352711	50.516	ug/l	100
23) Vinyl Acetate	3.52	43	1430938	250.691	ug/l	99
24) 1,1-Dichloroethane	3.44	63	199830	49.578	ug/l	100
25) 2-Butanone	4.26	43	538182	275.612	ug/l	100
26) 2,2-Dichloropropane	4.22	77	164308	50.450	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	118340	48.368	ug/l	97
28) Bromochloromethane	4.55	49	87809	50.877	ug/l	99
29) Tetrahydrofuran	4.63	42	293526	247.842	ug/l	99
30) Chloroform	4.67	83	191730	49.942	ug/l	96
31) Cyclohexane	4.99	56	176546	46.318	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	154197	48.609	ug/l	99
36) 1,1-Dichloropropene	5.13	75	141938	48.424	ug/l	98
37) Ethyl Acetate	4.38	43	168278	52.303	ug/l	99
38) Carbon Tetrachloride	5.13	117	128711	52.649	ug/l	99

Data File : VU029235.D
Acq On : 21 Jan 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Jan 22 01:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	175817	48.791	ug/l	99
40) Benzene	5.39	78	448587	49.063	ug/l	99
41) Methacrylonitrile	4.54	41	93267	54.155	ug/l	98
42) 1,2-Dichloroethane	5.40	62	147055	53.525	ug/l	98
43) Isopropyl Acetate	5.54	43	260001	52.680	ug/l	100
44) Trichloroethene	6.18	130	110309	48.693	ug/l	95
45) 1,2-Dichloropropane	6.43	63	126813	52.522	ug/l	99
46) Dibromomethane	6.56	93	78342	50.757	ug/l	99
47) Bromodichloromethane	6.76	83	150550	52.977	ug/l	100
48) Methyl methacrylate	6.62	41	129271	53.791	ug/l	99
49) 1,4-Dioxane	6.61	88	61089	1072.635	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	887654	264.271	ug/l	99
52) Toluene	7.63	92	269168	48.359	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	174167	51.019	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	188918	51.214	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	114369	51.290	ug/l	97
56) Ethyl methacrylate	8.02	69	176701	51.437	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197857	51.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	370540	245.264	ug/l	98
59) 2-Hexanone	8.36	43	733403	278.163	ug/l	98
60) Dibromochloromethane	8.48	129	117130	53.021	ug/l	98
61) 1,2-Dibromoethane	8.58	107	121621	50.290	ug/l	100
64) Tetrachloroethene	8.22	164	96964	50.959	ug/l	95
65) Chlorobenzene	9.12	112	272113	45.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	94351	49.104	ug/l	99
67) Ethyl Benzene	9.25	91	487443	49.310	ug/l	97
68) m/p-Xylenes	9.37	106	371348	96.683	ug/l	97
69) o-Xylene	9.78	106	185542	50.135	ug/l	98
70) Styrene	9.79	104	312215	51.462	ug/l	99
71) Bromoform	9.95	173	86955	50.825	ug/l #	100
73) Isopropylbenzene	10.16	105	485356	45.308	ug/l	100
74) N-amyl acetate	10.01	43	217334	47.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	204570	47.648	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	238408	67.231	ug/l	85
77) Bromobenzene	10.45	156	129623	46.432	ug/l	97
78) n-propylbenzene	10.58	91	626737	49.645	ug/l	99
79) 2-Chlorotoluene	10.66	91	355455	46.415	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	431648	48.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	238408	173.393	ug/l #	100
82) 4-Chlorotoluene	10.77	91	421032	47.946	ug/l	99
83) tert-Butylbenzene	11.10	119	422898	47.963	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	444243	49.739	ug/l	99
85) sec-Butylbenzene	11.32	105	540272	50.666	ug/l	100
86) p-Isopropyltoluene	11.47	119	472575	52.008	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	244096	47.670	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	248860	47.083	ug/l	99
89) n-Butylbenzene	11.89	91	459152	56.615	ug/l	99
90) Hexachloroethane	12.14	117	79772	52.186	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	246826	47.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	43813	53.057	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012119\
Quantitation Report (Not Reviewed)

Data File : VU029235.D
Acq On : 21 Jan 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Jan 22 01:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

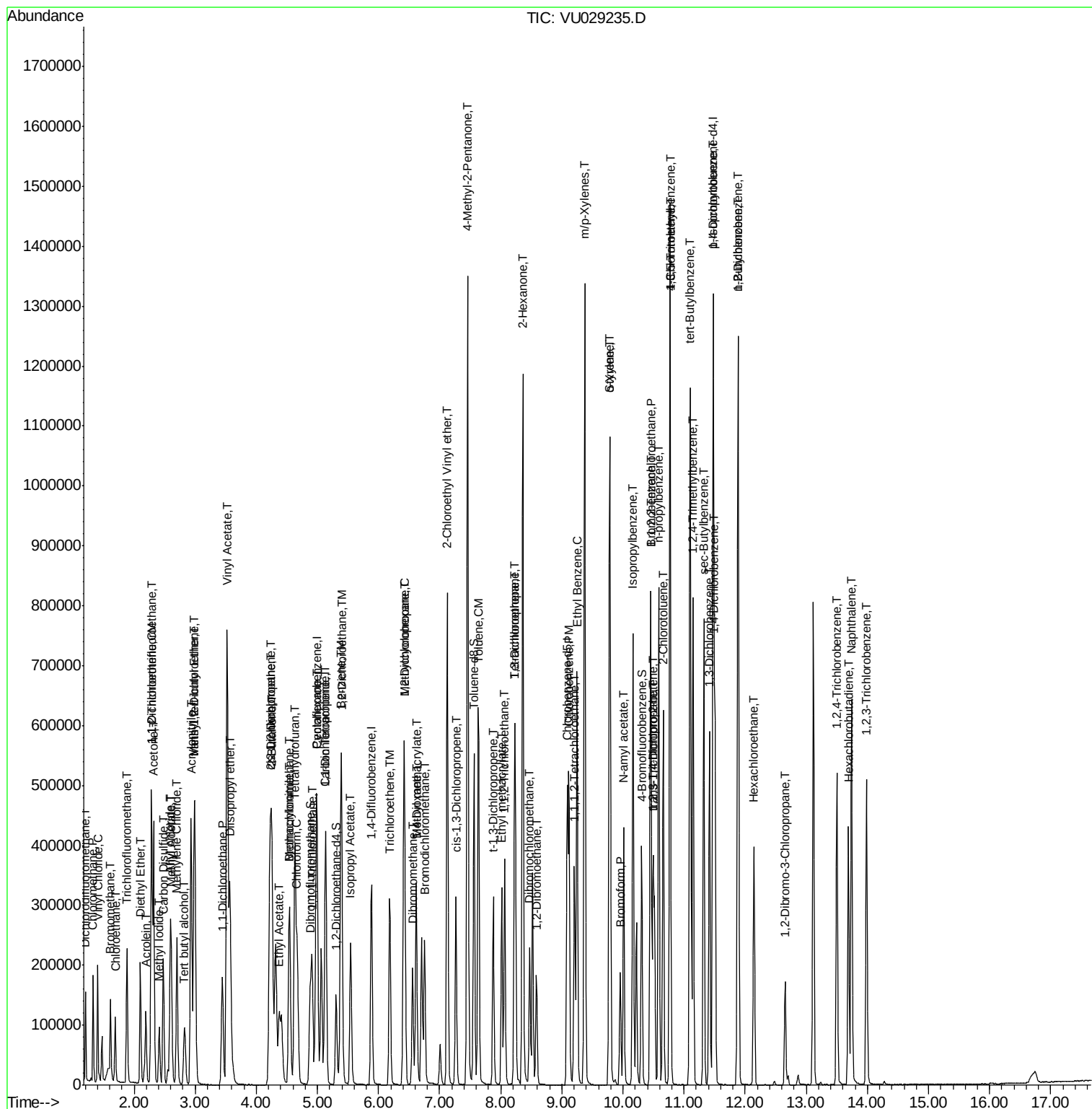
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	170758	51.866	ug/l	98
94) Hexachlorobutadiene	13.69	225	85142	56.539	ug/l	99
95) Naphthalene	13.74	128	523002	46.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	169435	49.991	ug/l	99

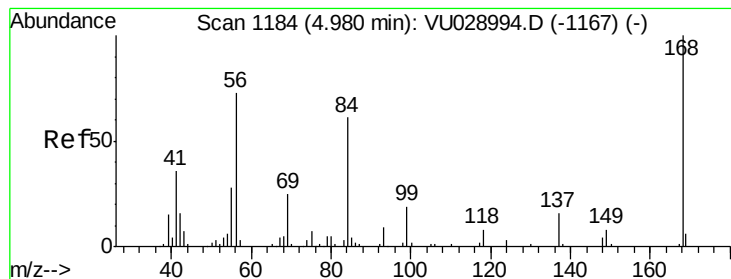
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029235.D
Acq On : 21 Jan 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Jan 22 01:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

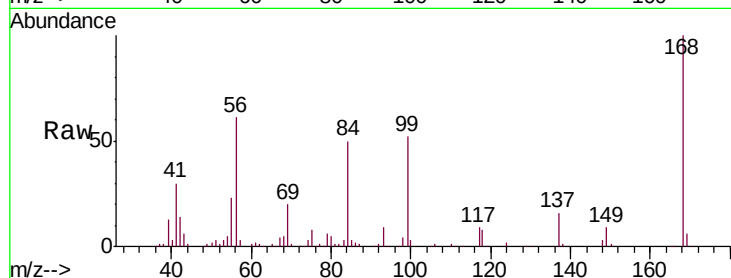
VSTDCCC050

Tgt Ion:168 Resp: 185647

Ion Ratio Lower Upper

168 100

99 51.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

80000

60000

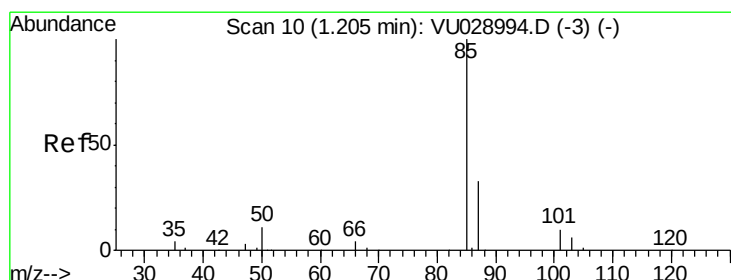
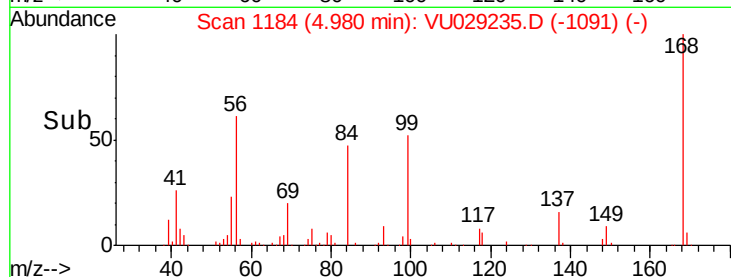
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.681 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029235.D

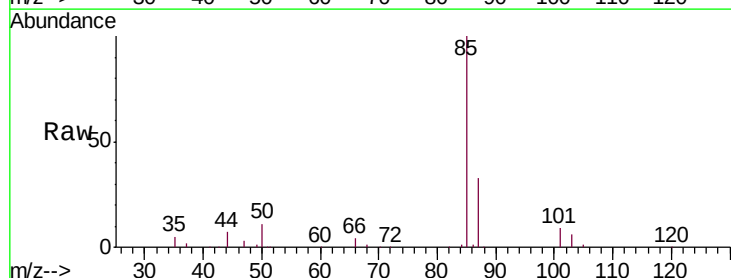
Acq: 21 Jan 2019 08:57

Tgt Ion: 85 Resp: 80421

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

80000

60000

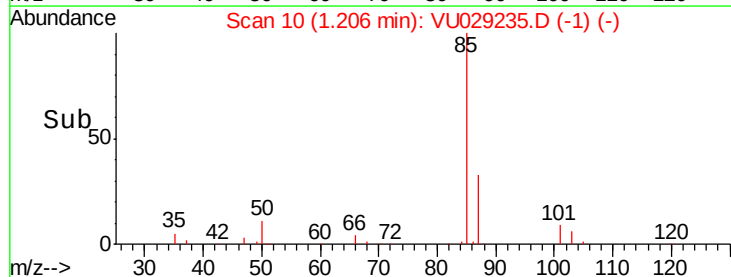
40000

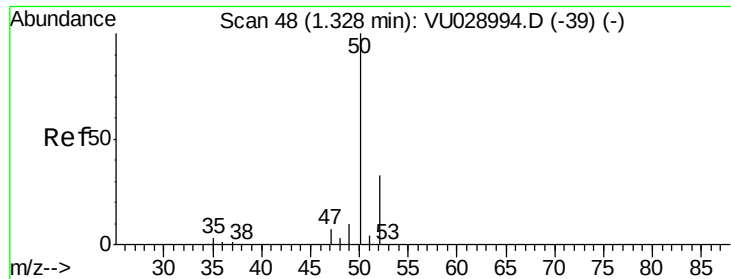
20000

0

1.15 1.20 1.25

Time-->

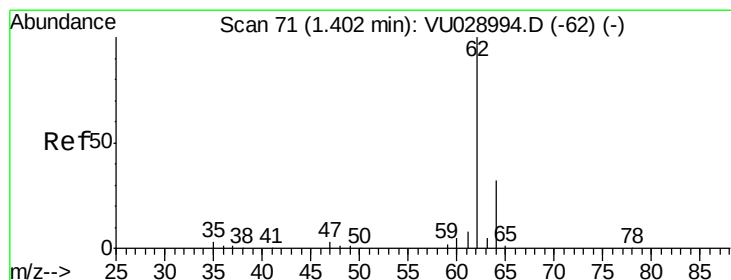
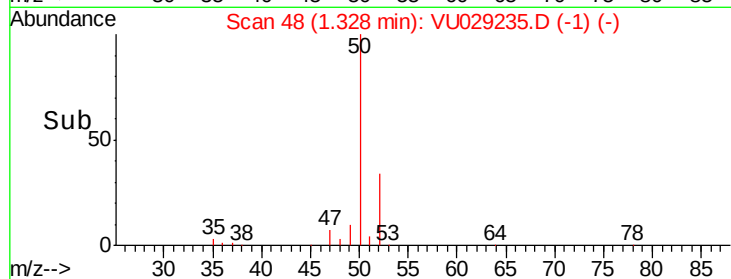
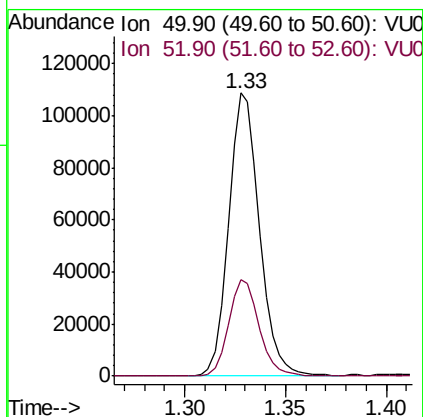
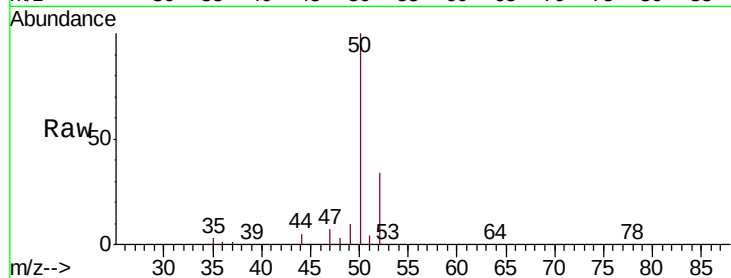




#3
 Chloromethane
 Concen: 39.378 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

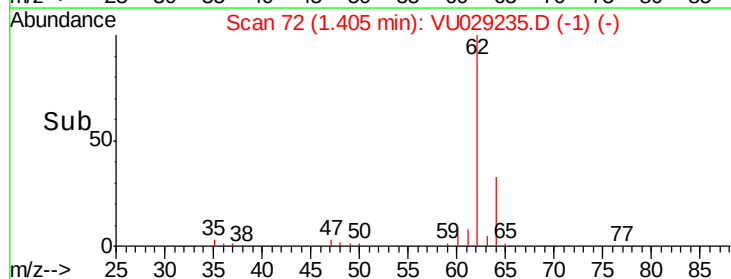
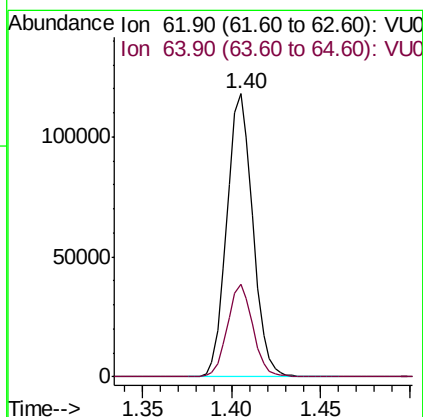
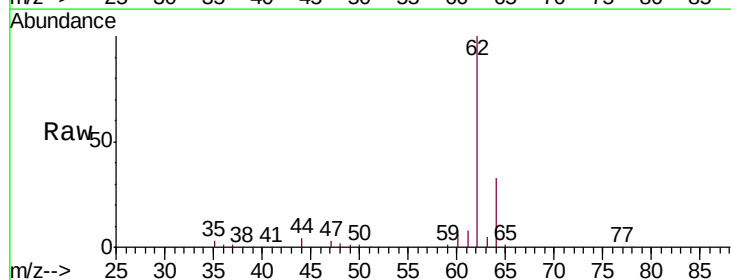
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

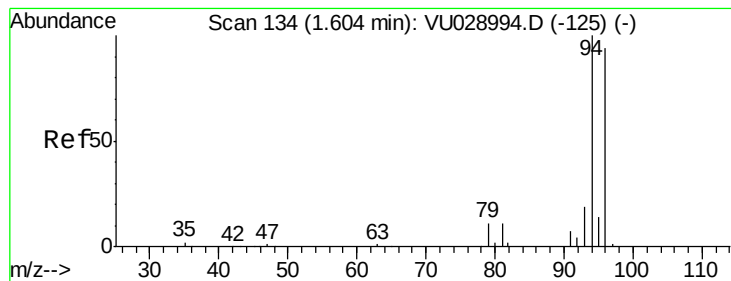
Tgt Ion: 50 Resp: 116150
 Ion Ratio Lower Upper
 50 100
 52 34.2 26.1 39.1



#4
 Vinyl Chloride
 Concen: 43.934 ug/l
 RT: 1.40 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 62 Resp: 119200
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.9 38.9





#5

Bromomethane

Concen: 42.411 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

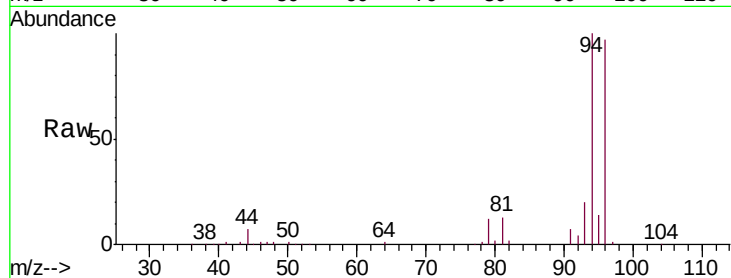
VSTDCCC050

Tgt Ion: 94 Resp: 59802

Ion Ratio Lower Upper

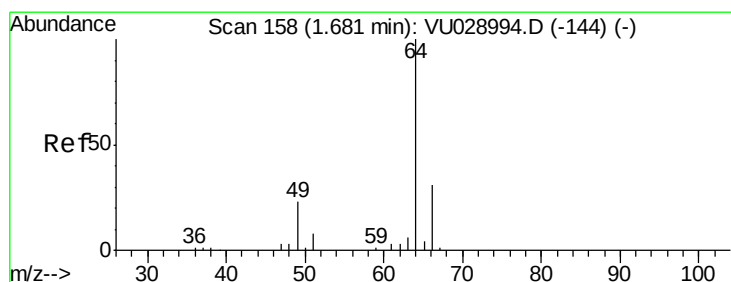
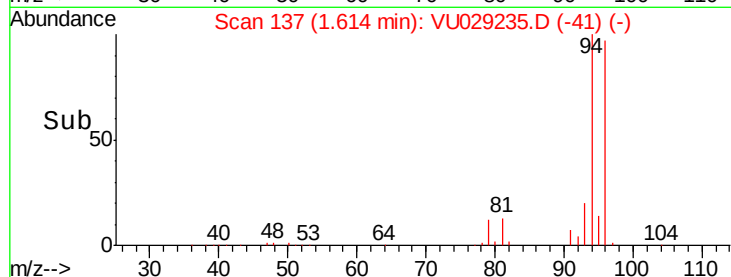
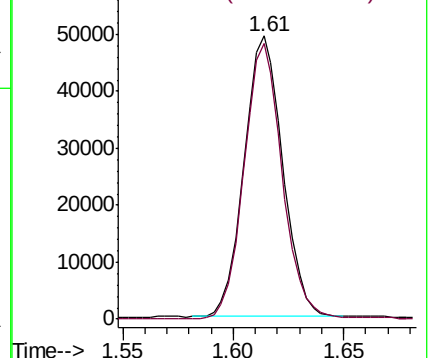
94 100

96 97.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 42.805 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU029235.D

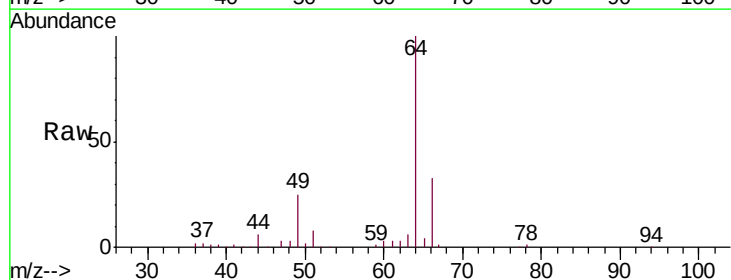
Acq: 21 Jan 2019 08:57

Tgt Ion: 64 Resp: 69176

Ion Ratio Lower Upper

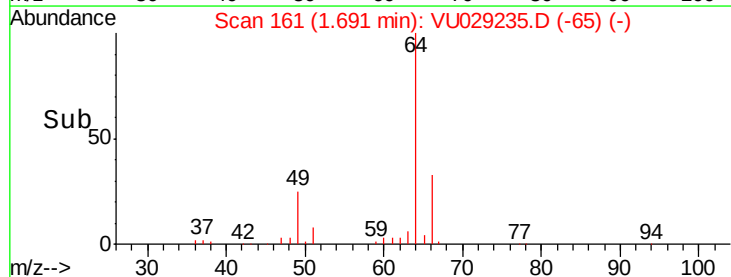
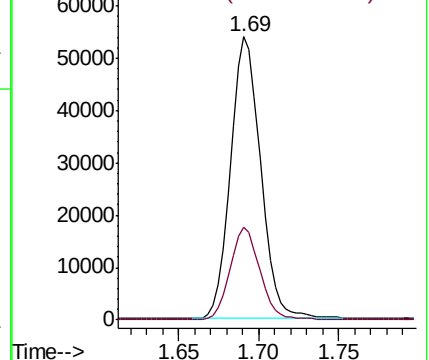
64 100

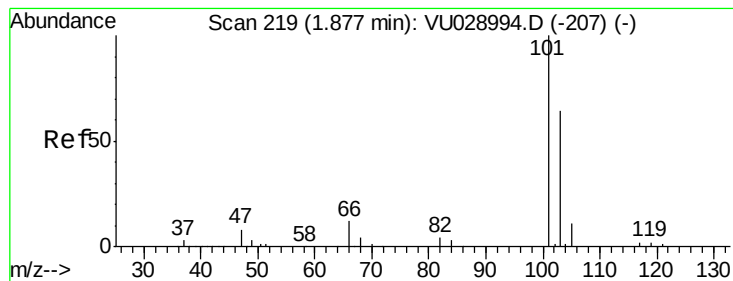
66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



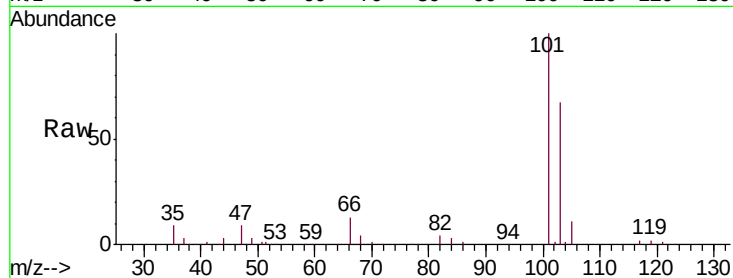


#7

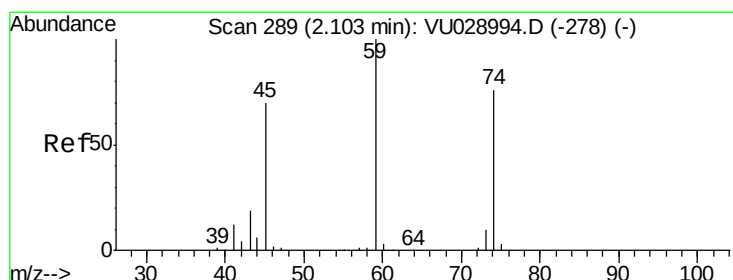
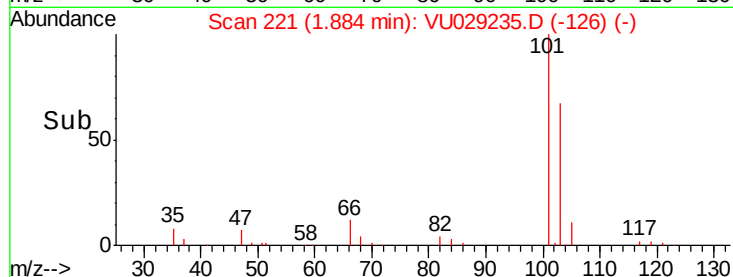
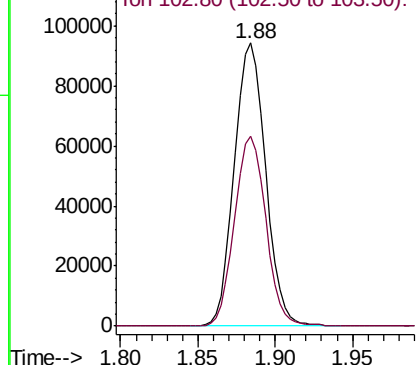
Trichlorofluoromethane
Concen: 44.809 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 132474
Ion Ratio Lower Upper
101 100
103 67.0 51.5 77.3



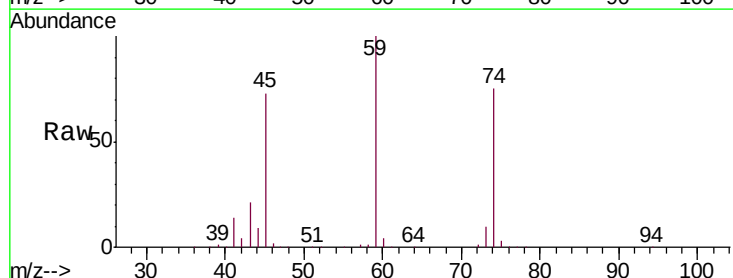
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



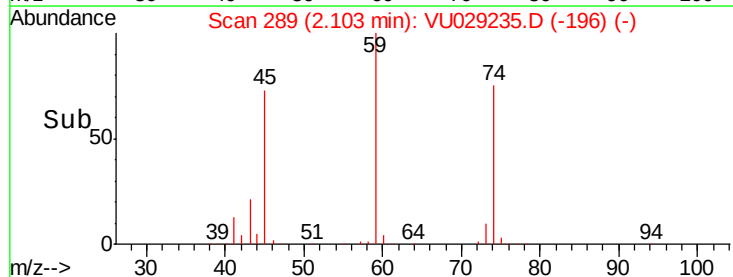
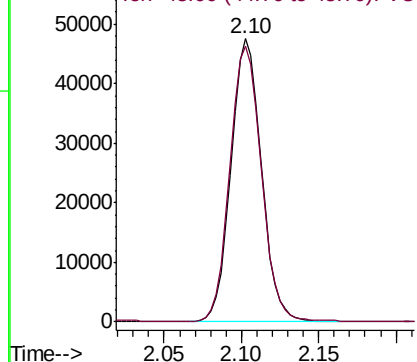
#8

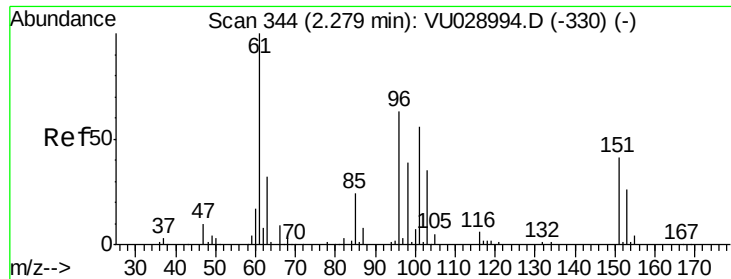
Diethyl Ether
Concen: 45.505 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 74 Resp: 64632
Ion Ratio Lower Upper
74 100
45 100.9 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.150 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

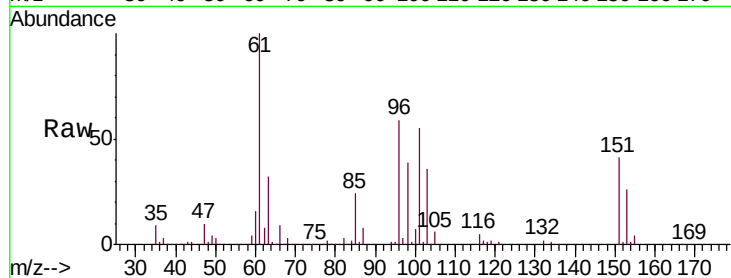
Tgt Ion:101 Resp: 89313

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

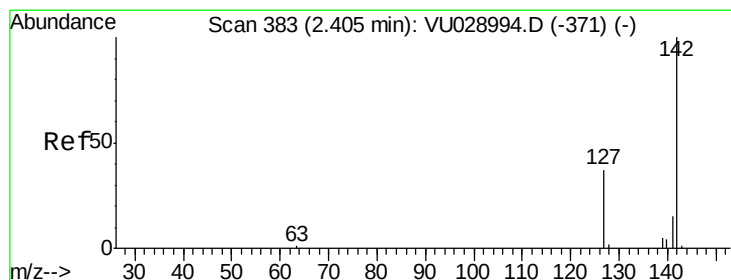
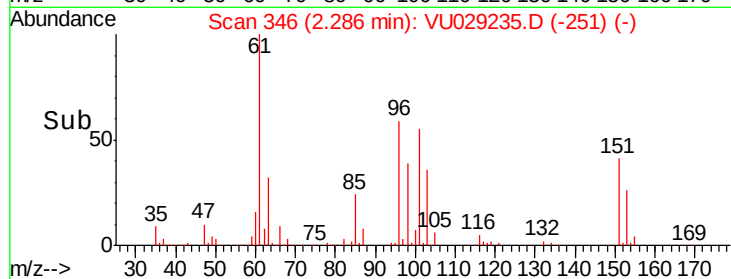
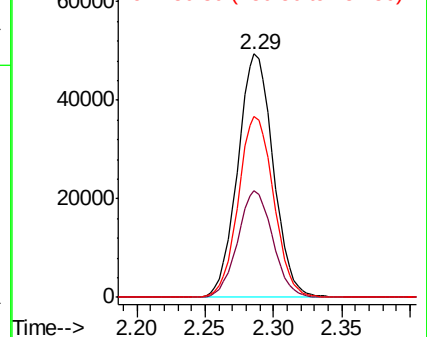
151 73.8 60.2 90.2



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: 52.071 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.01 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

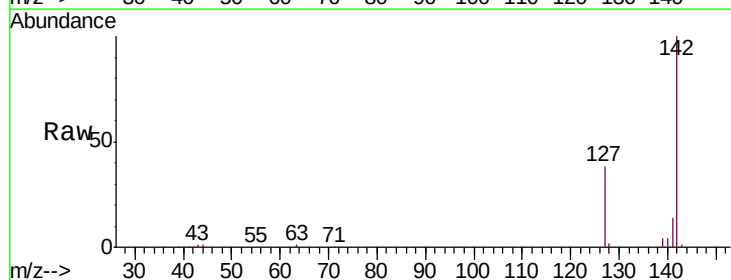
Tgt Ion:142 Resp: 96851

Ion Ratio Lower Upper

142 100

127 37.3 29.8 44.6

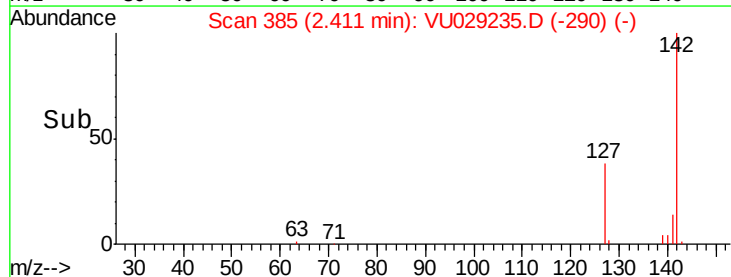
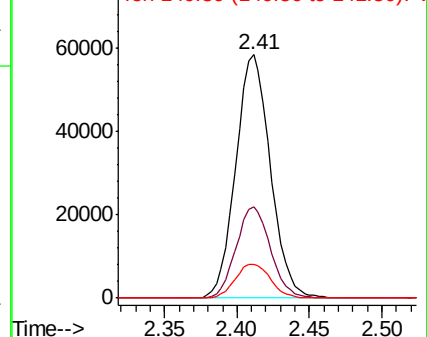
141 14.0 11.5 17.3

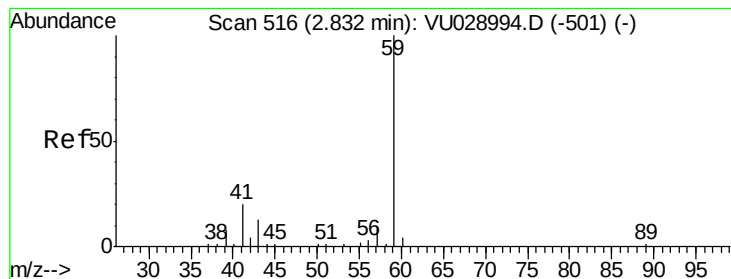


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



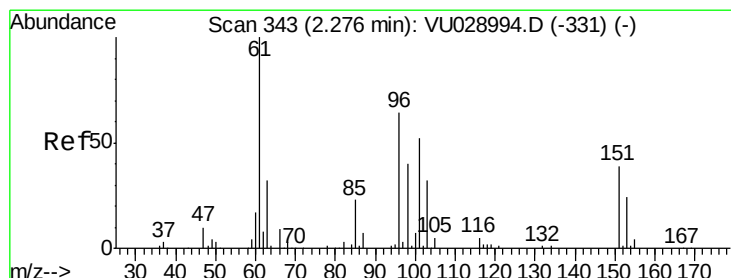
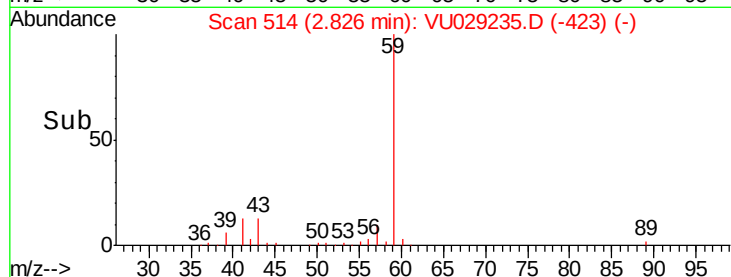
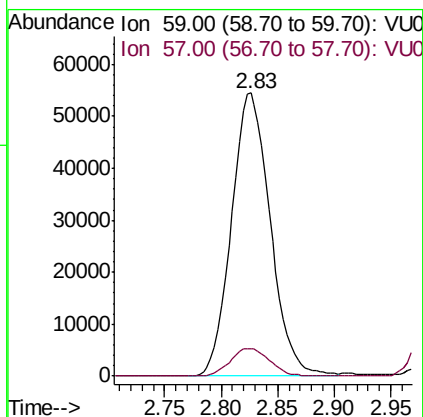
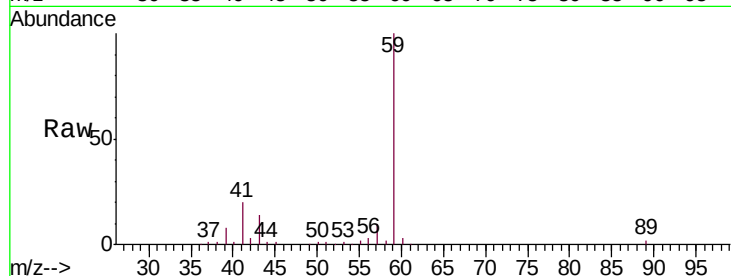


#11

Tert butyl alcohol
 Concen: 223.223 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

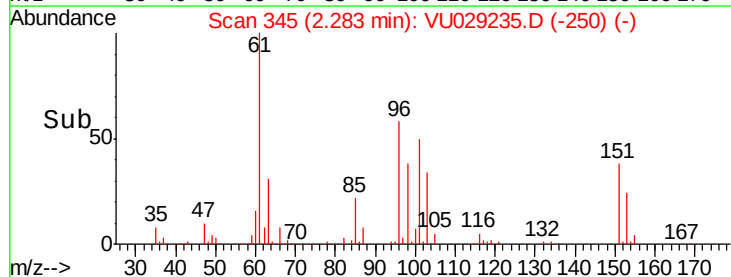
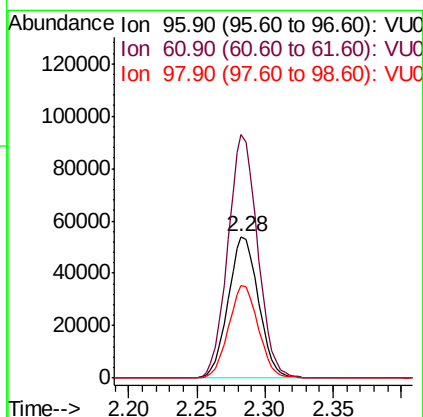
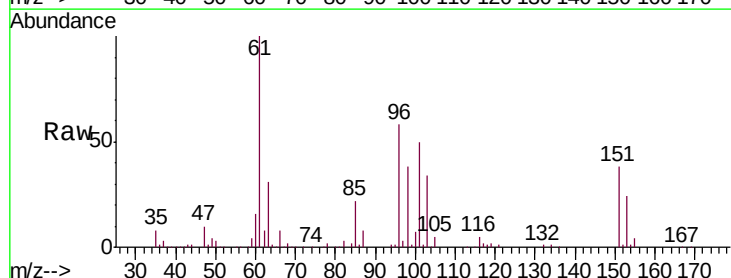
Tgt Ion: 59 Resp: 130216
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

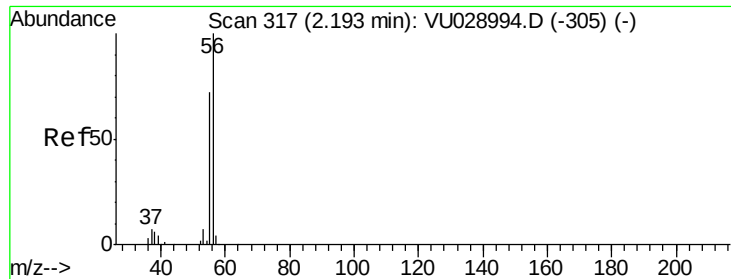


#12

1,1-Dichloroethene
 Concen: 43.530 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 96 Resp: 83814
 Ion Ratio Lower Upper
 96 100
 61 171.8 125.4 188.0
 98 65.7 49.7 74.5





#13

Acrolein

Concen: 195.621 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

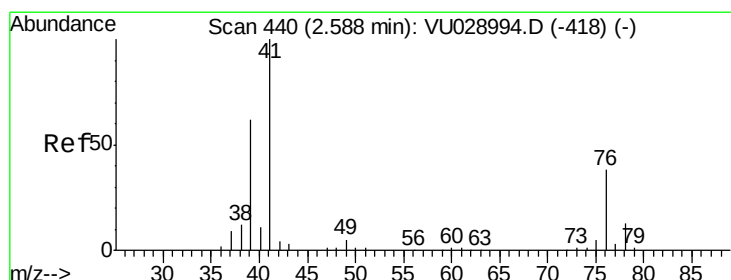
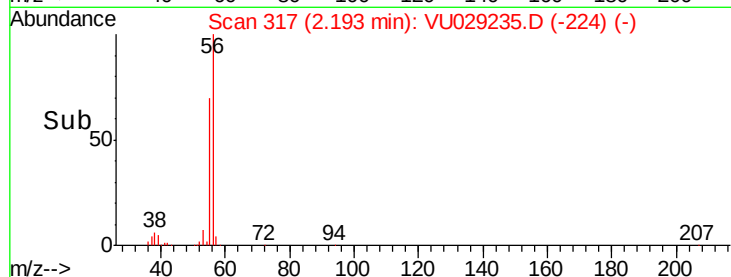
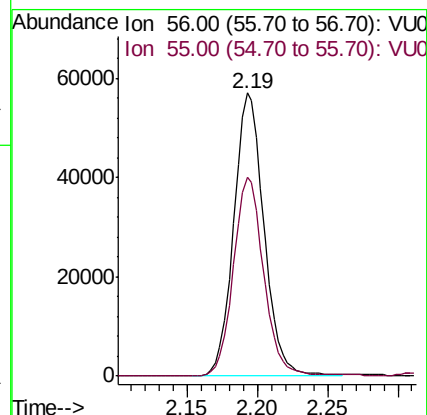
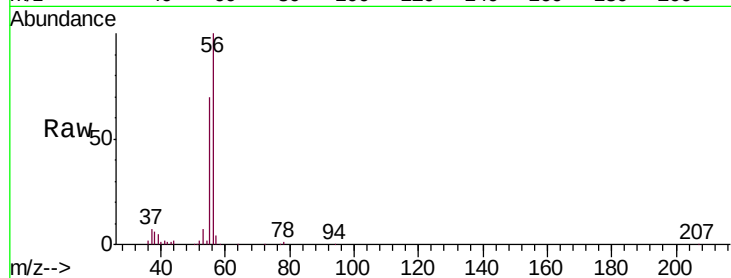
VSTDCCC050

Tgt Ion: 56 Resp: 85688

Ion Ratio Lower Upper

56 100

55 70.1 56.5 84.7



#14

Allyl chloride

Concen: 44.466 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

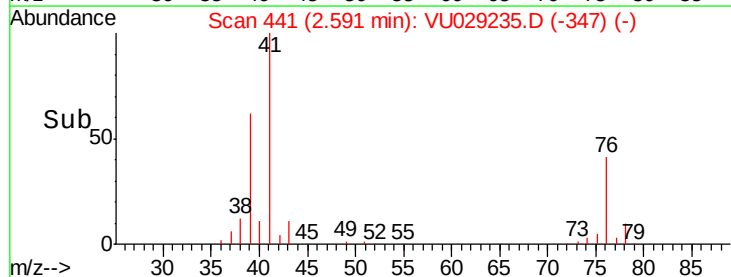
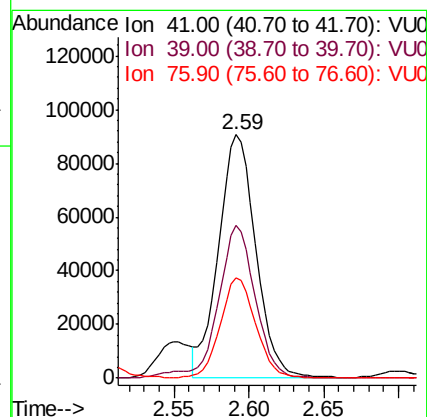
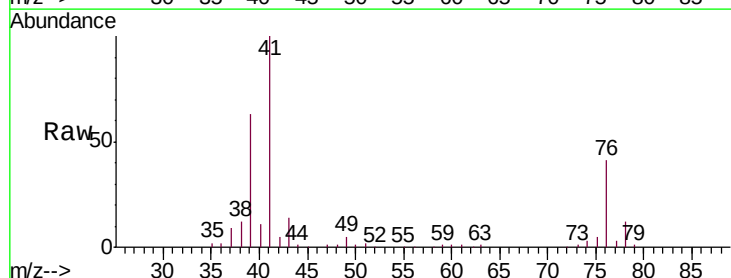
Tgt Ion: 41 Resp: 157090

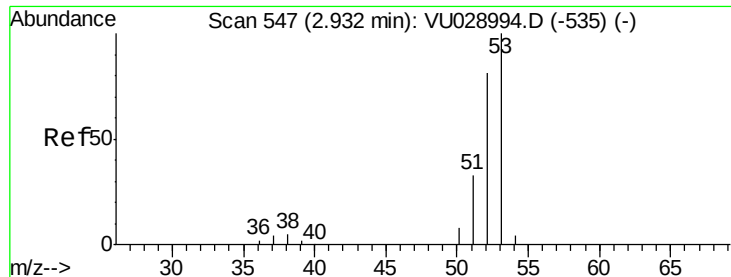
Ion Ratio Lower Upper

41 100

39 62.6 45.0 67.6

76 39.2 28.1 42.1





#15

Acrylonitrile

Concen: 254.347 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

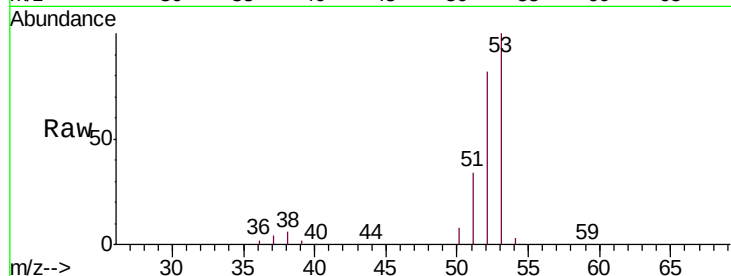
Tgt Ion: 53 Resp: 364008

Ion Ratio Lower Upper

53 100

52 82.0 64.8 97.2

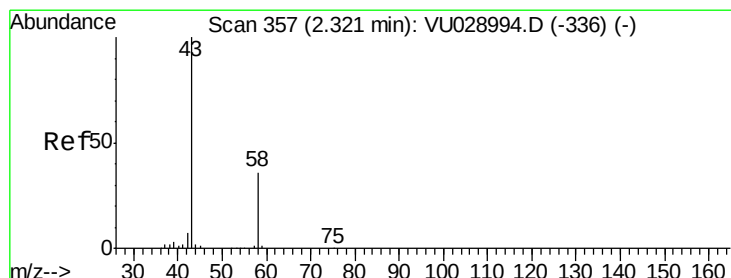
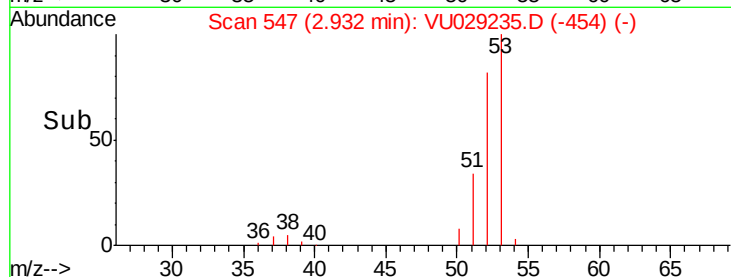
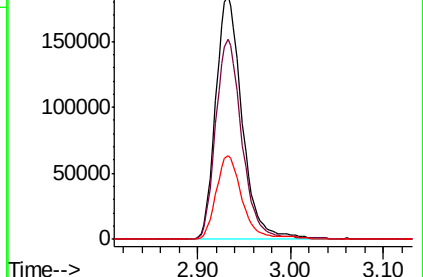
51 34.4 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU029235.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU029235.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU029235.D (-535) (-)



#16

Acetone

Concen: 300.872 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029235.D

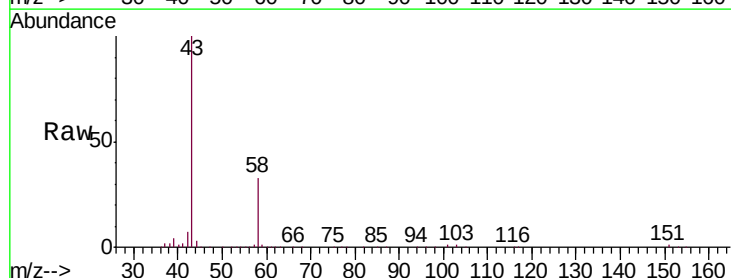
Acq: 21 Jan 2019 08:57

Tgt Ion: 43 Resp: 434981

Ion Ratio Lower Upper

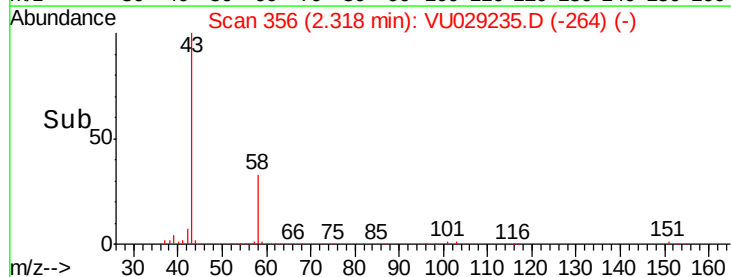
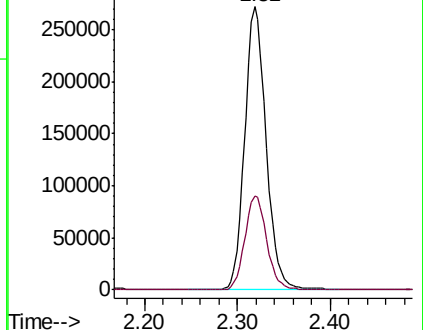
43 100

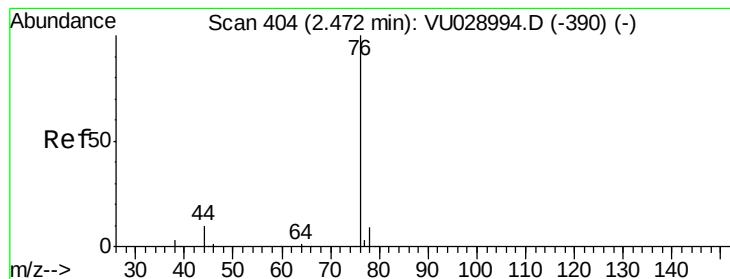
58 33.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU029235.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU029235.D (-264) (-)





#17

Carbon Disulfide

Concen: 41.317 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

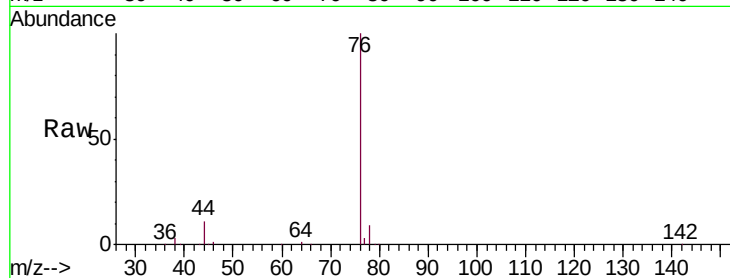
VSTDCCC050

Tgt Ion: 76 Resp: 264048

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028994.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028994.D (-390) (-)

2.48

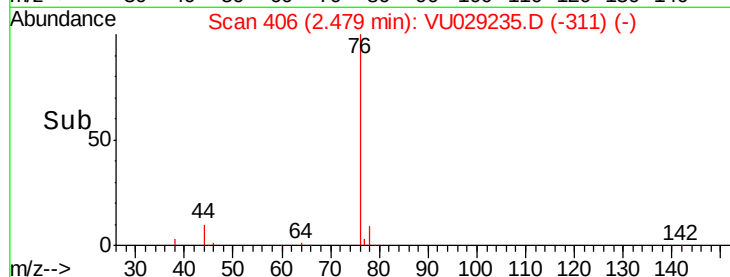
150000

100000

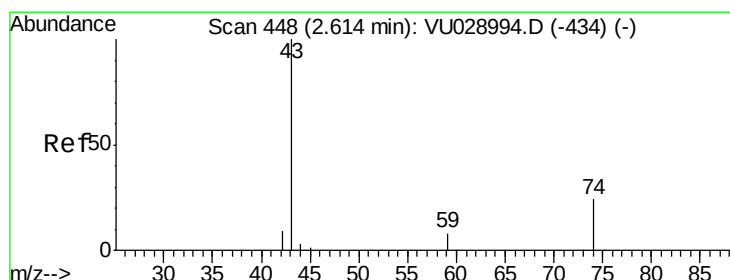
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 56.268 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029235.D

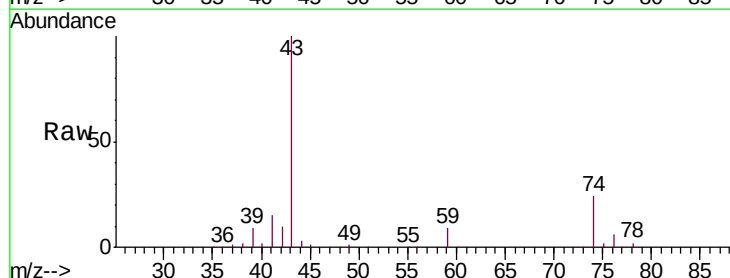
Acq: 21 Jan 2019 08:57

Tgt Ion: 43 Resp: 189150

Ion Ratio Lower Upper

43 100

74 23.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028994.D (-434) (-)

2.61

120000

100000

80000

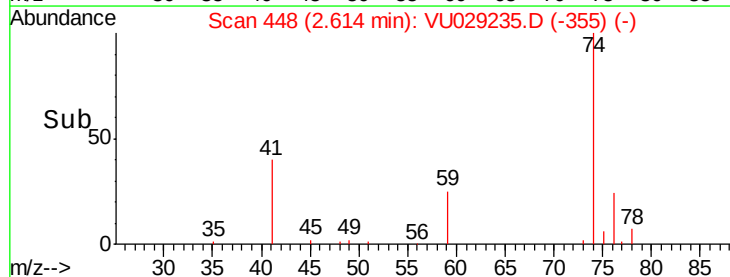
60000

40000

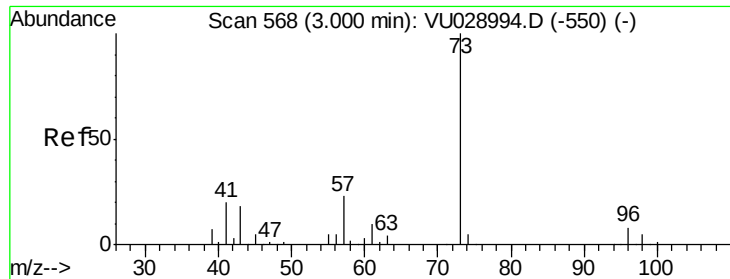
20000

0

Time-->



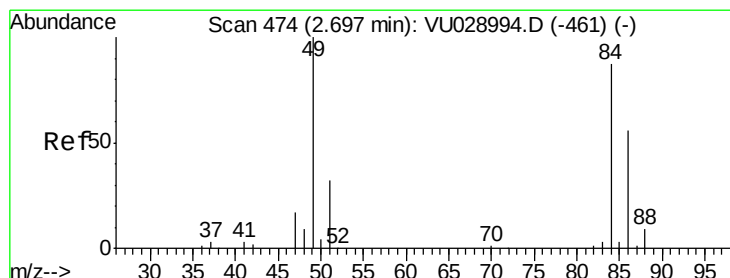
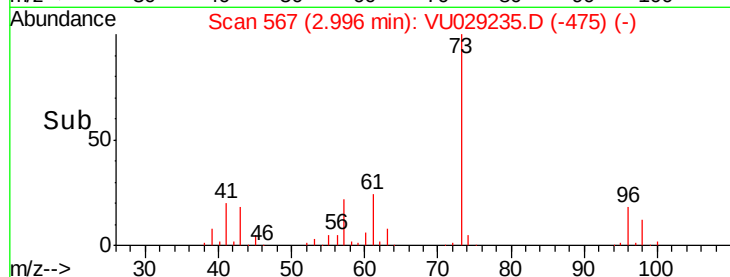
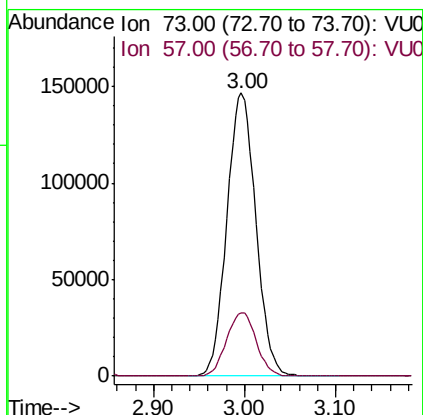
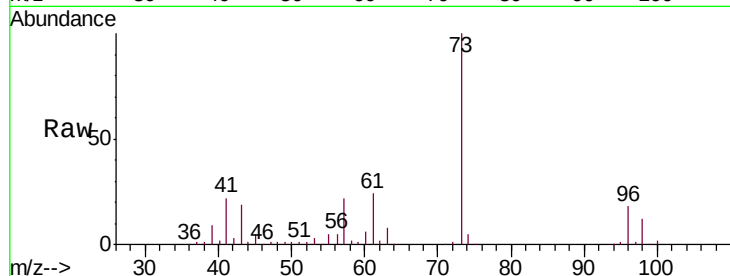
Time-->



#19
Methyl tert-butyl Ether
Concen: 47.864 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

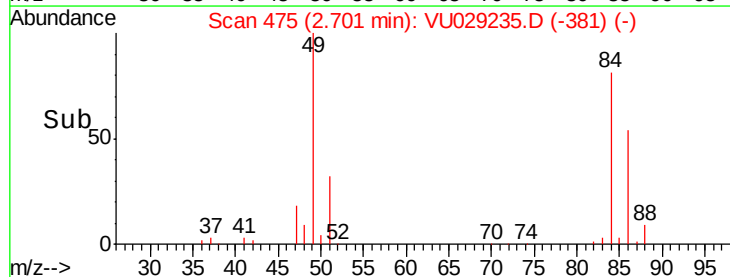
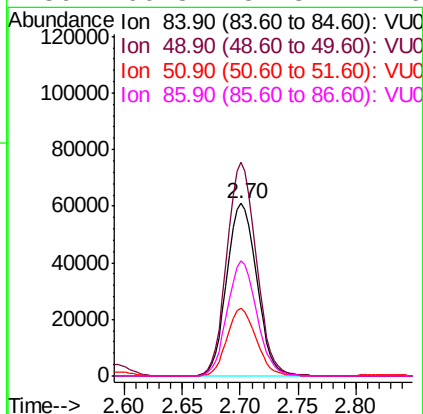
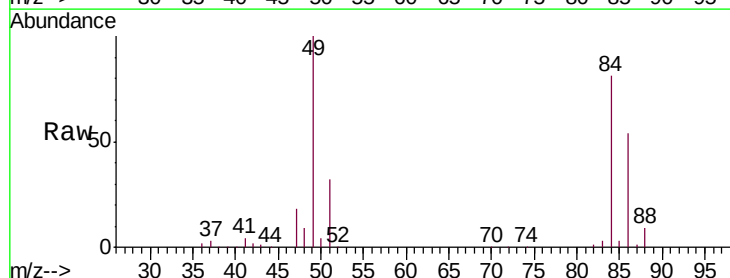
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

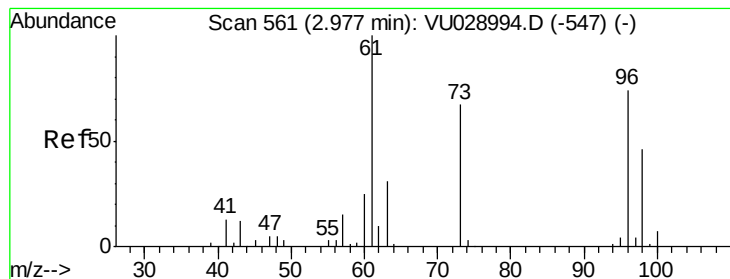
Tgt Ion: 73 Resp: 324004
Ion Ratio Lower Upper
73 100
57 22.5 18.6 28.0



#20
Methylene Chloride
Concen: 44.607 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 84 Resp: 109494
Ion Ratio Lower Upper
84 100
49 123.9 91.9 137.9
51 39.1 29.2 43.8
86 66.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 44.972 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.01 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

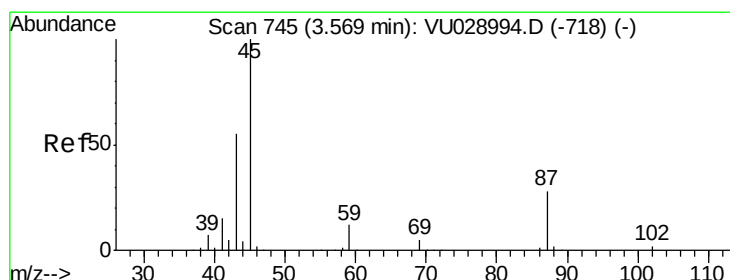
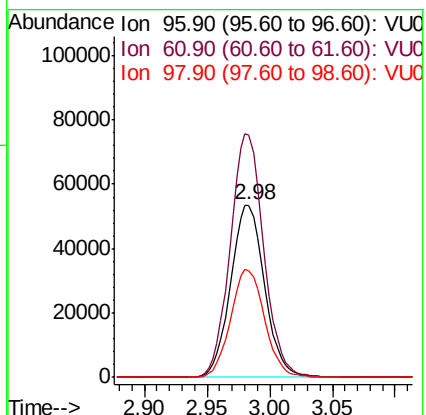
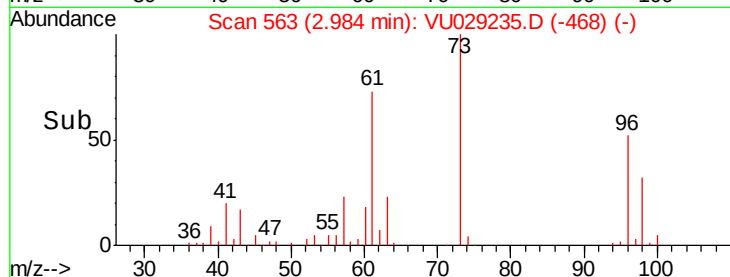
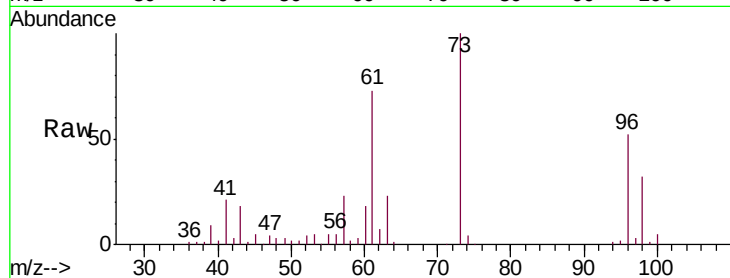
Tgt Ion: 96 Resp: 100602

Ion Ratio Lower Upper

96 100

61 140.2 107.7 161.5

98 61.9 49.2 73.8



#22

Diisopropyl ether

Concen: 50.516 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Tgt Ion: 45 Resp: 352711

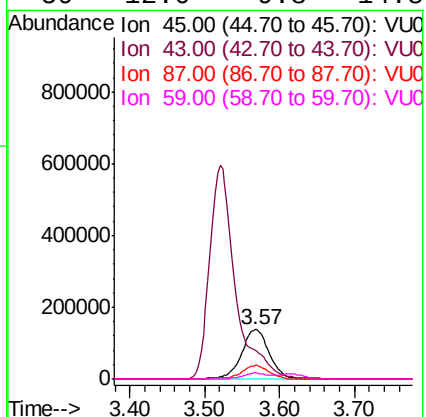
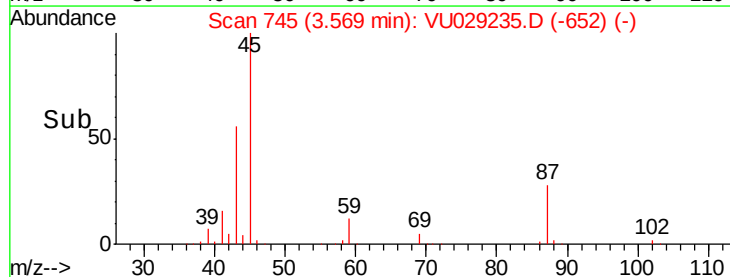
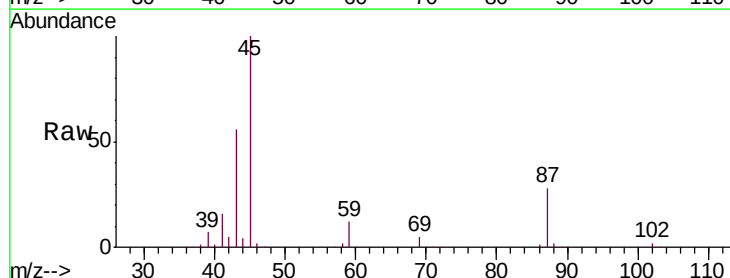
Ion Ratio Lower Upper

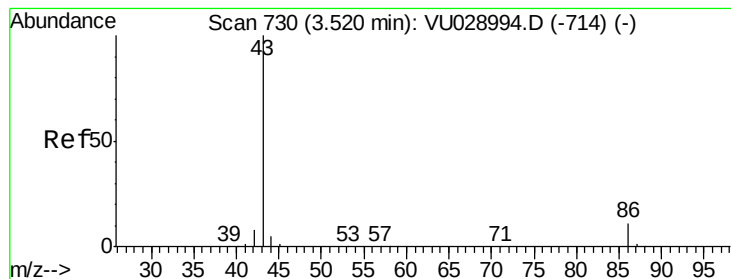
45 100

43 55.5 44.7 67.1

87 27.8 22.2 33.2

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 250.691 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

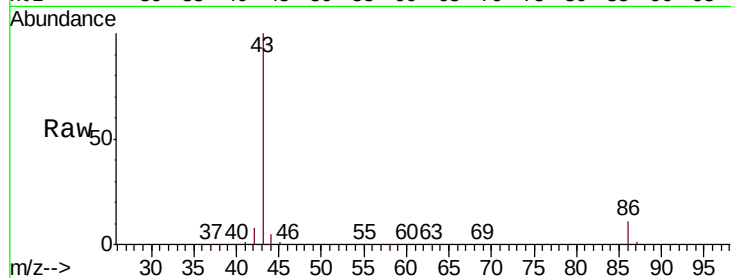
VSTDCCC050

Tgt Ion: 43 Resp: 1430938

Ion Ratio Lower Upper

43 100

86 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

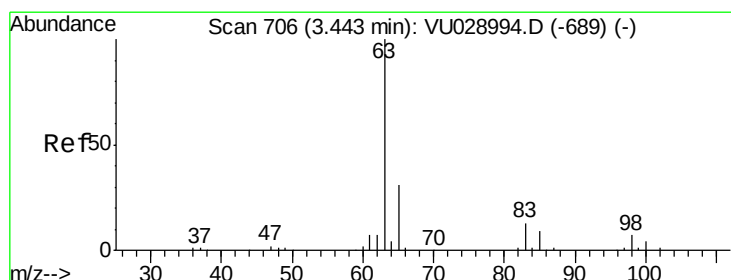
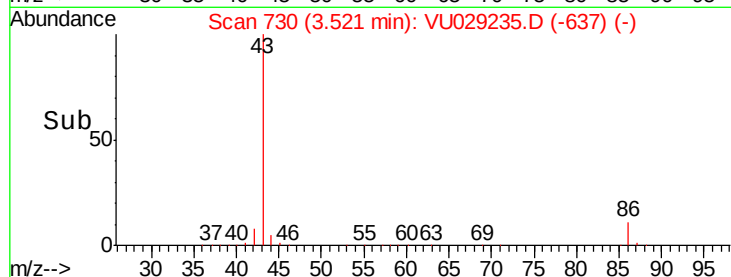
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.578 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

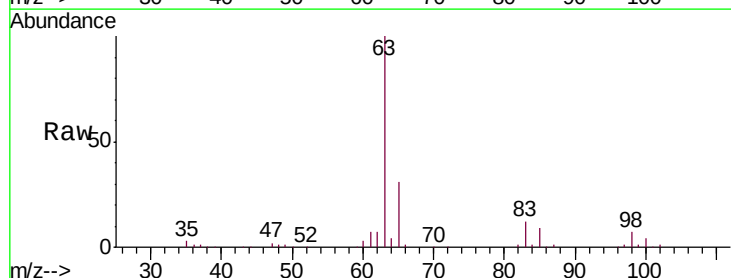
Tgt Ion: 63 Resp: 199830

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

120000

100000

80000

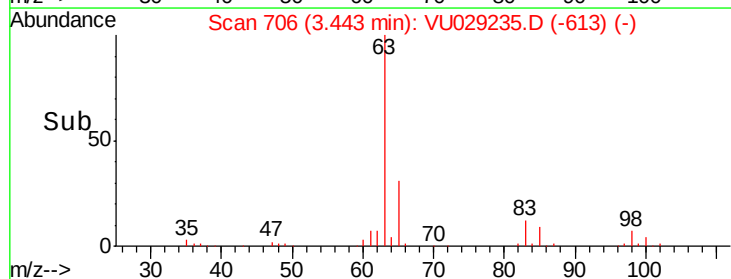
60000

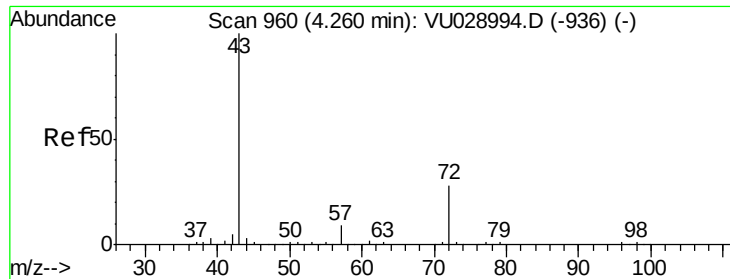
40000

20000

0

Time-->





#25

2-Butanone

Concen: 275.612 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

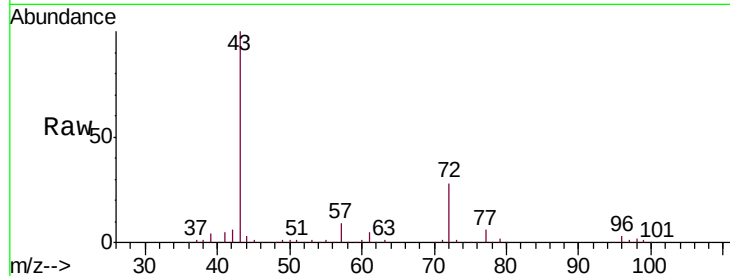
VSTDCCC050

Tgt Ion: 43 Resp: 538182

Ion Ratio Lower Upper

43 100

72 28.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-936) (-)

250000

200000

150000

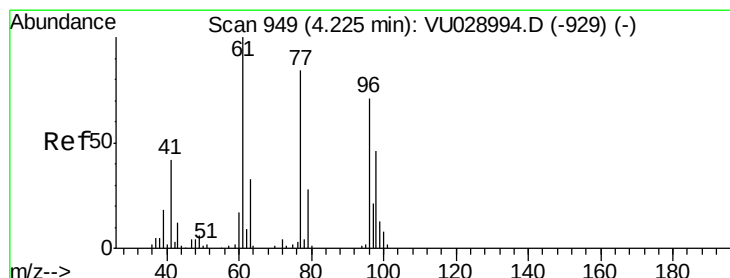
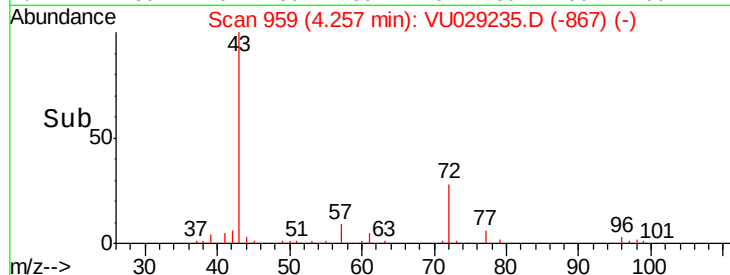
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 50.450 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029235.D

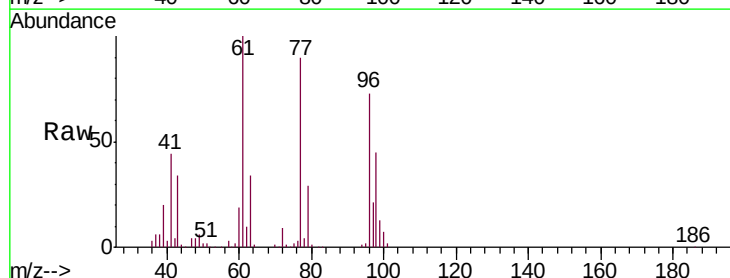
Acq: 21 Jan 2019 08:57

Tgt Ion: 77 Resp: 164308

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028994.D (-929) (-)

60000

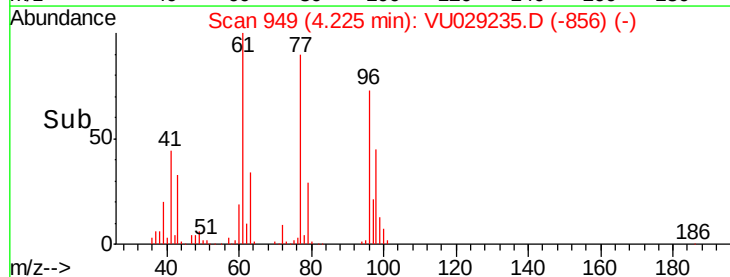
40000

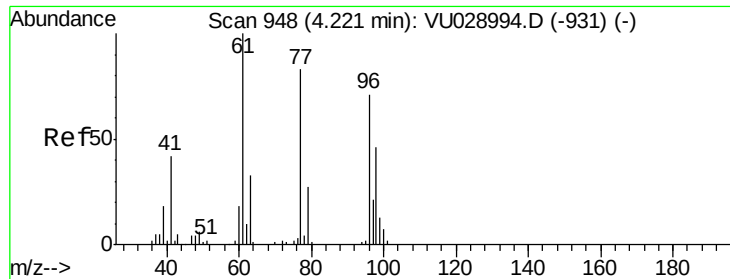
20000

0

4.10 4.20 4.30

Time-->



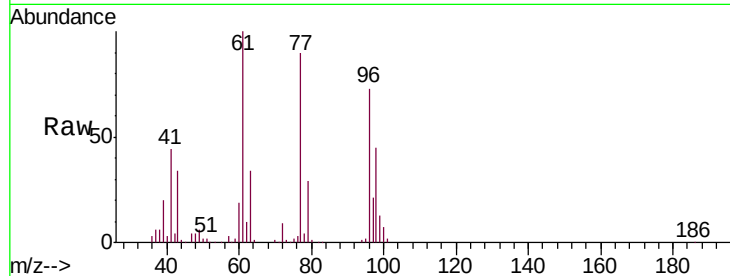


#27

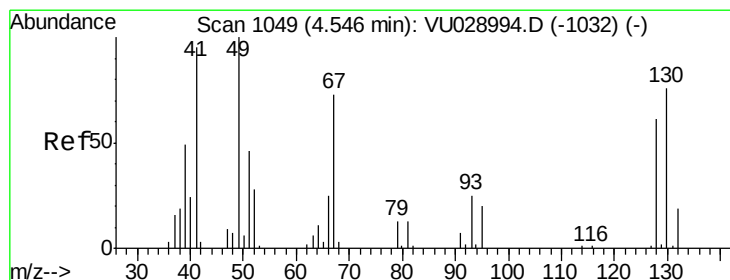
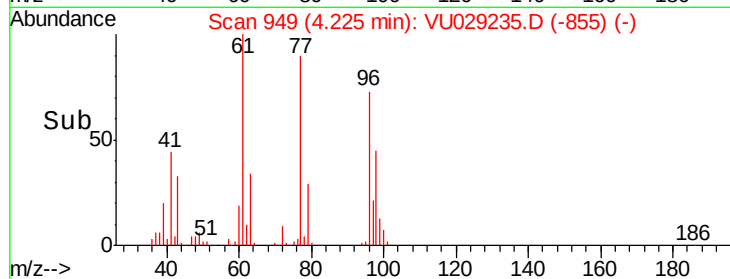
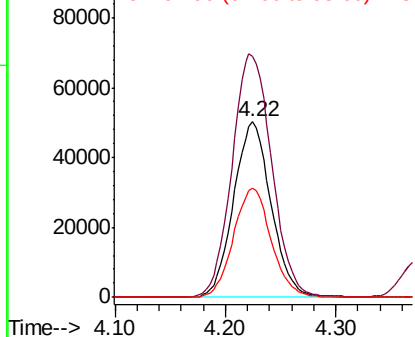
cis-1,2-Dichloroethene
Concen: 48.368 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 118340
Ion Ratio Lower Upper
96 100
61 147.0 0.0 285.6
98 62.6 0.0 130.2



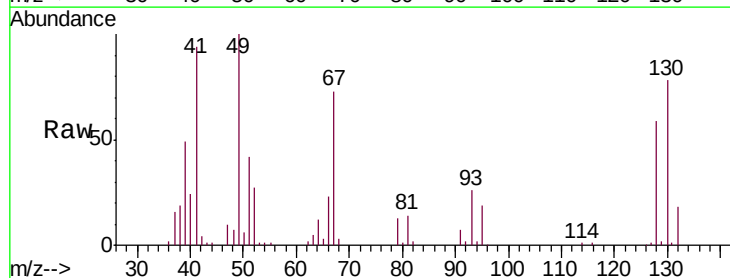
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



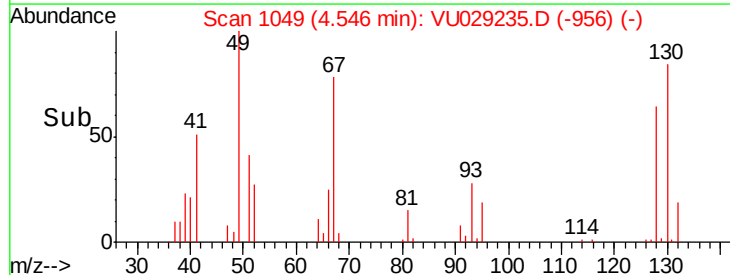
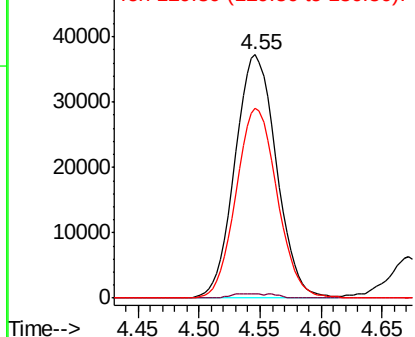
#28

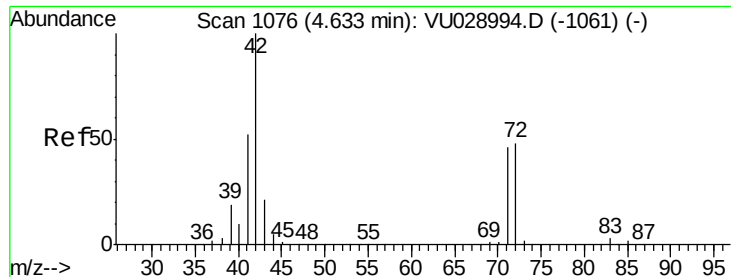
Bromochloromethane
Concen: 50.877 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 49 Resp: 87809
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.4
130 77.4 62.9 94.3



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

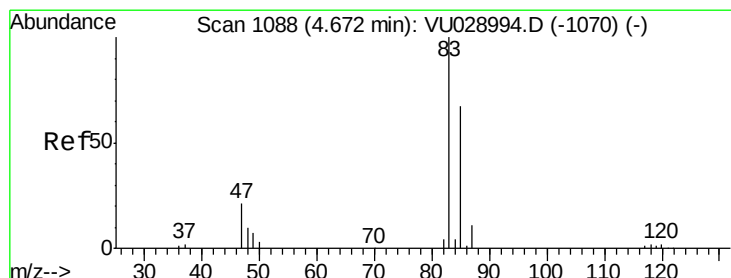
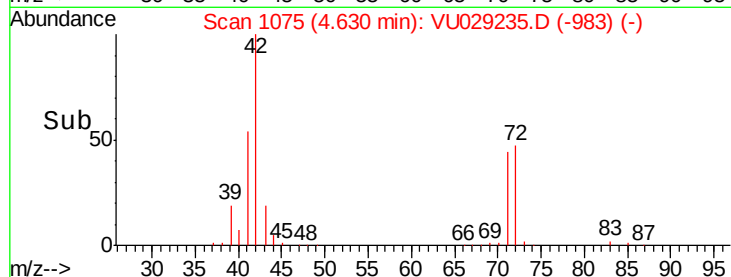
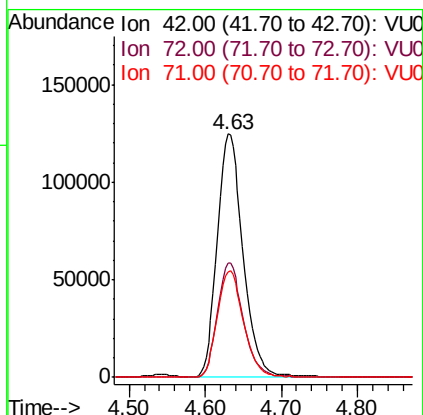
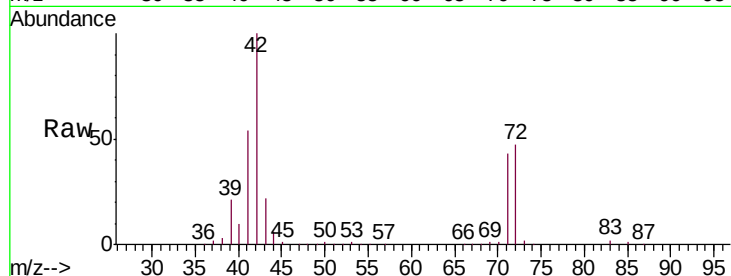




#29
Tetrahydrofuran
Concen: 247.842 ug/l
RT: 4.63 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

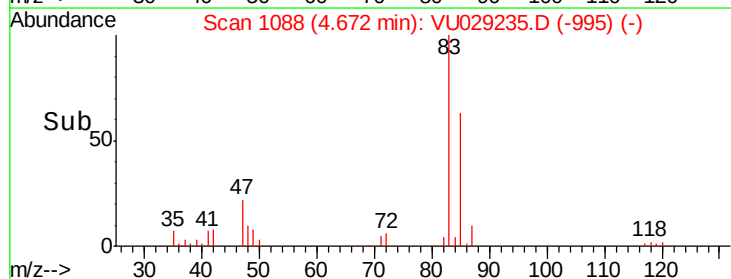
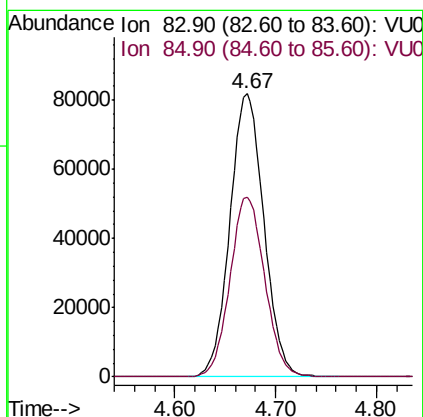
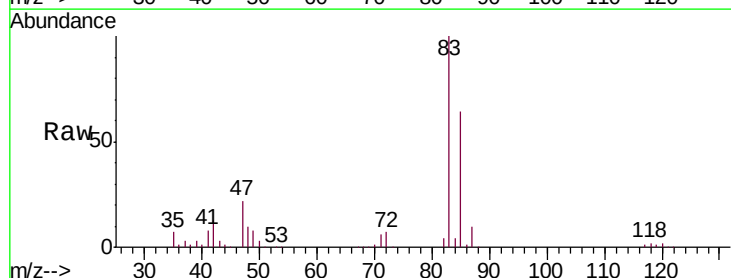
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

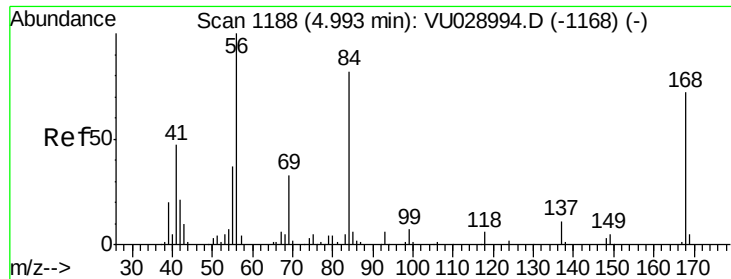
Tgt Ion: 42 Resp: 293526
Ion Ratio Lower Upper
42 100
72 47.1 38.3 57.5
71 44.6 36.1 54.1



#30
Chloroform
Concen: 49.942 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 83 Resp: 191730
Ion Ratio Lower Upper
83 100
85 63.6 53.4 80.0

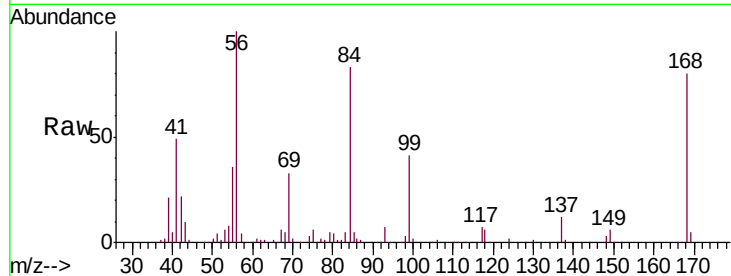




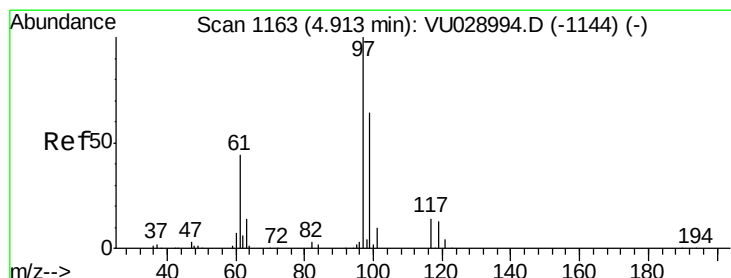
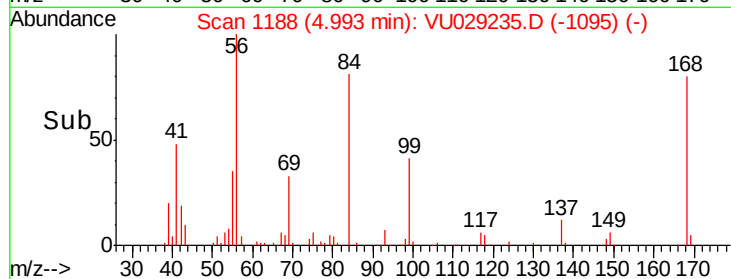
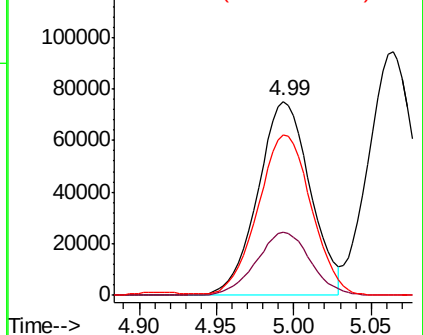
#31
Cyclohexane
Concen: 46.318 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 176546
Ion Ratio Lower Upper
56 100
69 32.5 26.7 40.1
84 82.0 65.7 98.5

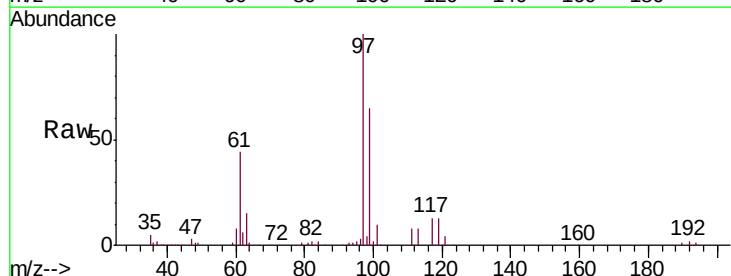


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

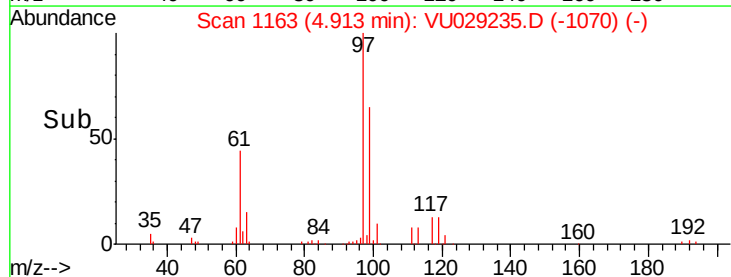
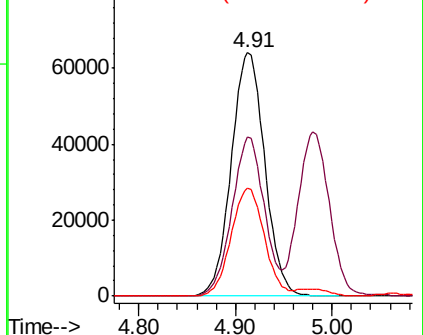


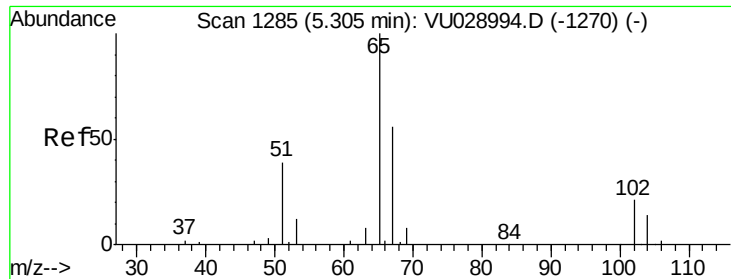
#32
1,1,1-Trichloroethane
Concen: 48.609 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 97 Resp: 154197
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 44.1 34.4 51.6



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

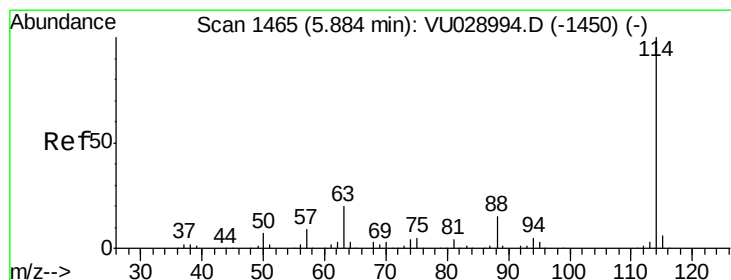
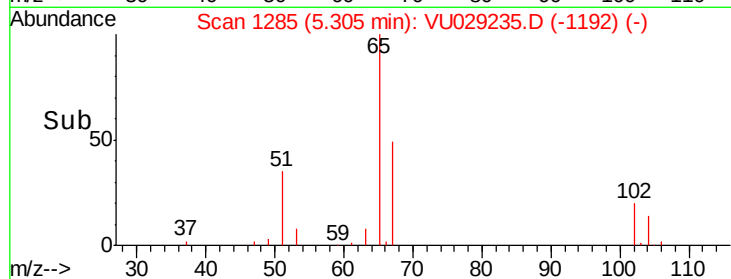
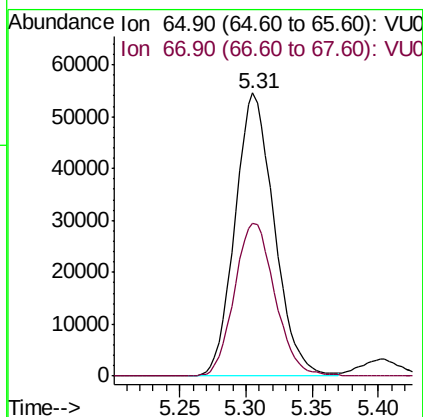
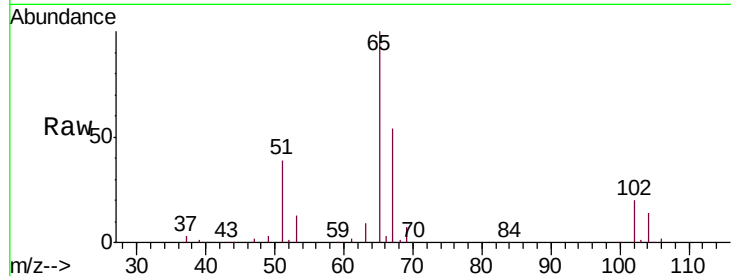




#33
 1,2-Dichloroethane-d4
 Concen: 48.886 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

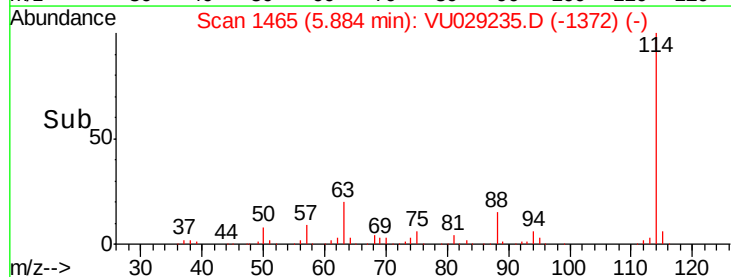
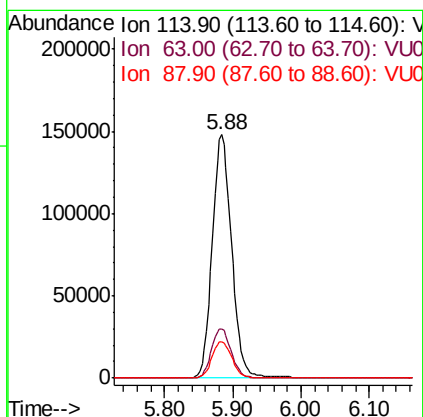
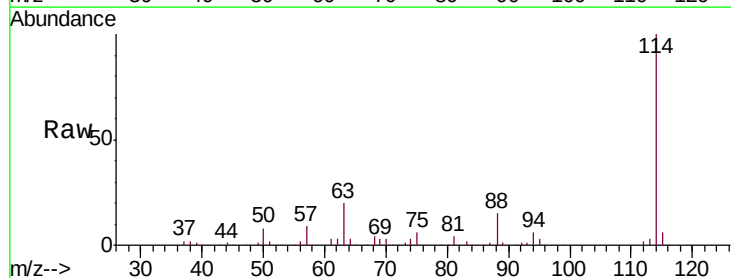
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

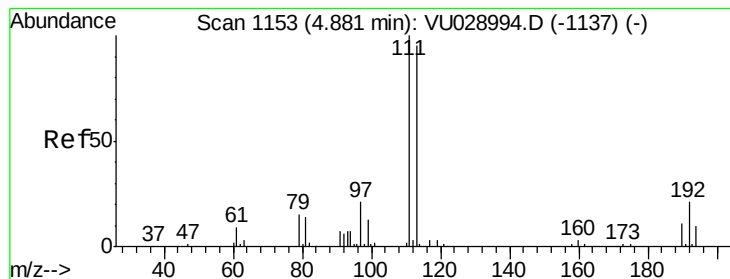
Tgt Ion: 65 Resp: 112192
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 114 Resp: 293247
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.796 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

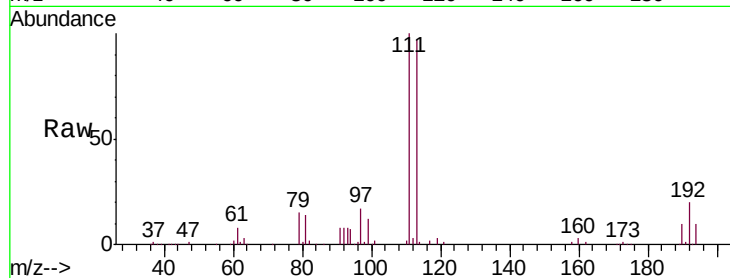
Tgt Ion:113 Resp: 96558

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

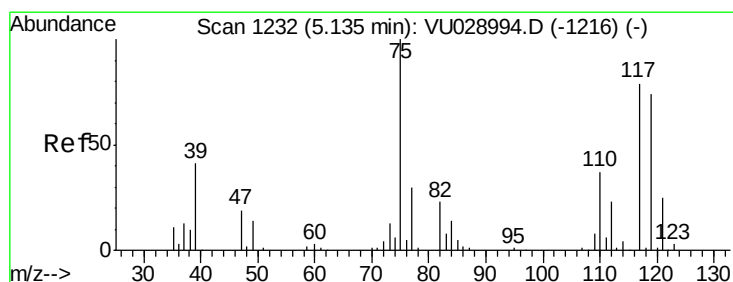
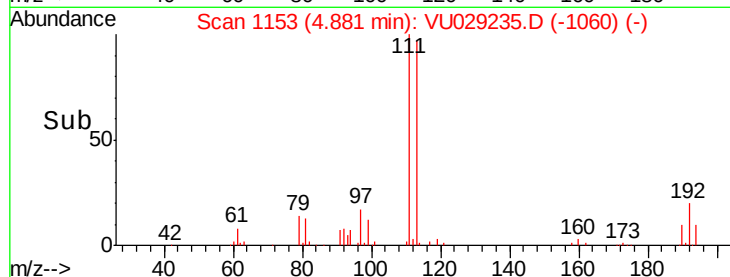
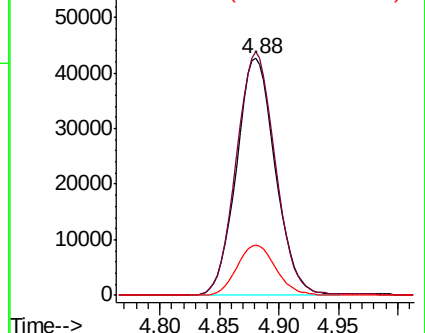
192 21.2 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.424 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

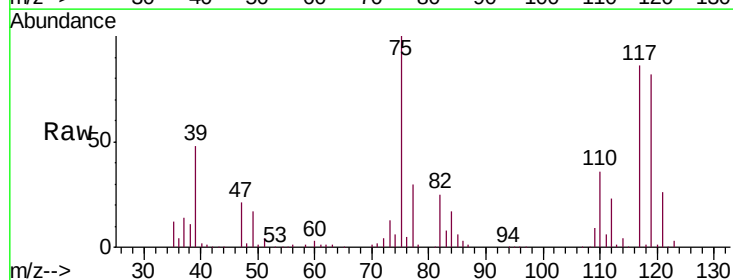
Tgt Ion: 75 Resp: 141938

Ion Ratio Lower Upper

75 100

110 35.8 18.4 55.4

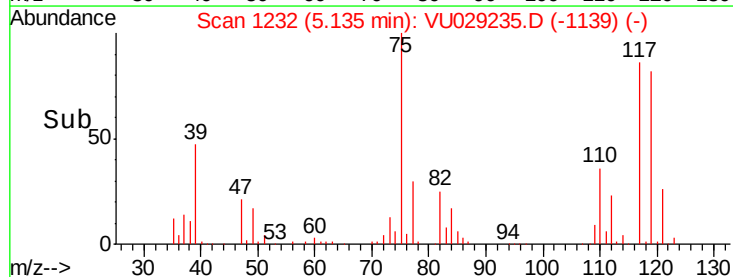
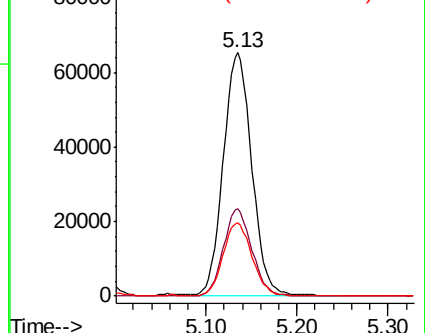
77 30.8 25.1 37.7

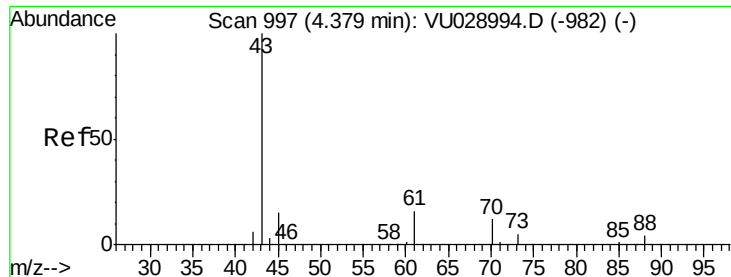


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 52.303 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

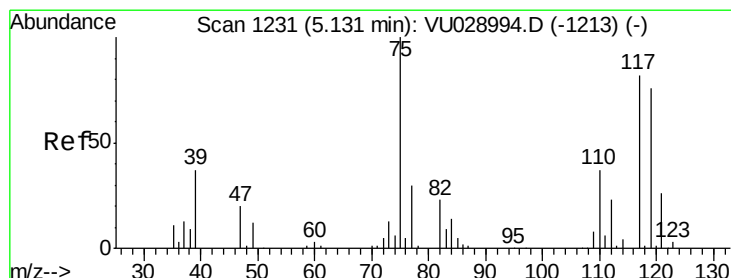
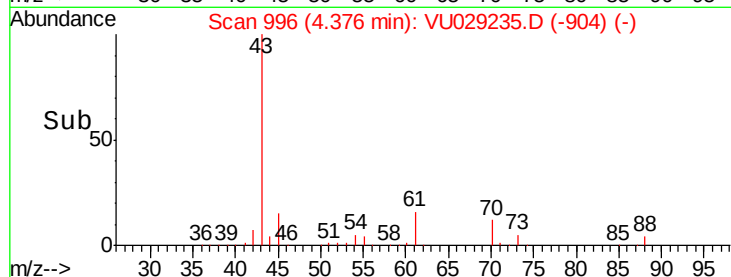
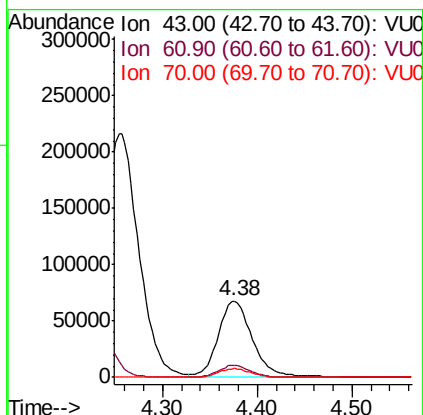
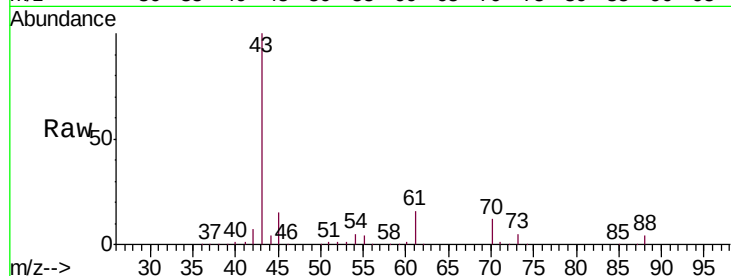
Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 168278

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.6	18.8
70	10.8	9.3	13.9



#38

Carbon Tetrachloride

Concen: 52.649 ug/l

RT: 5.13 min Scan# 1231

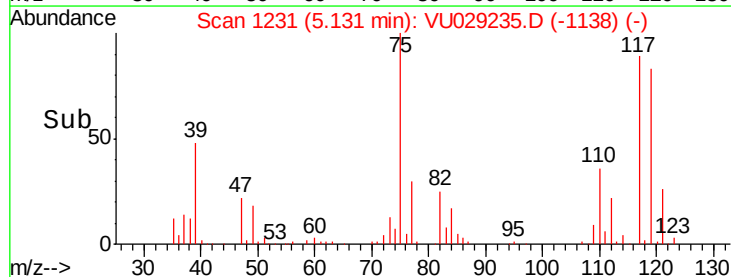
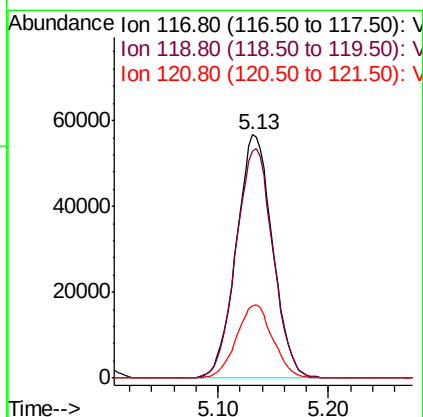
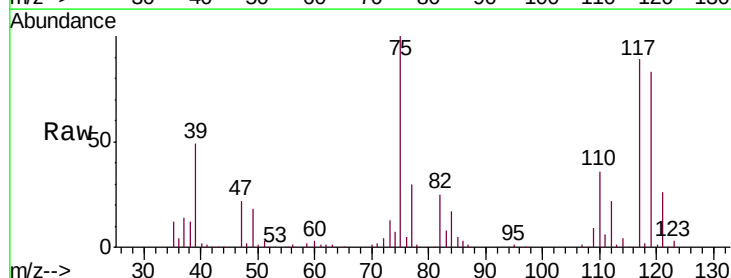
Delta R.T. 0.00 min

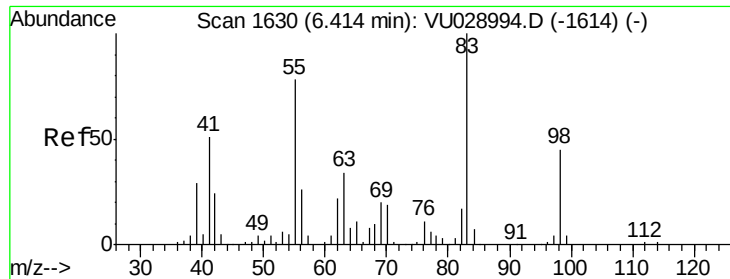
Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Tgt Ion: 117 Resp: 128711

Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.6	111.8
121	29.8	25.0	37.6

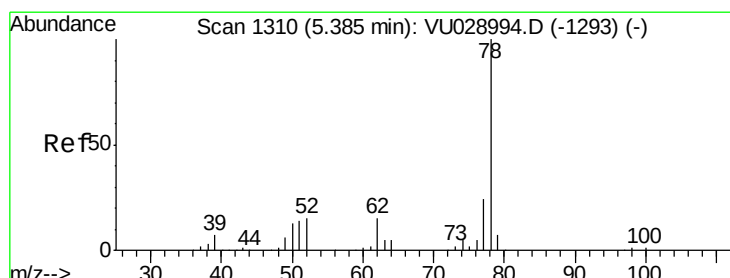
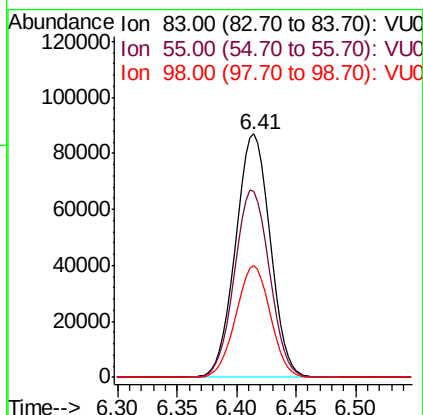
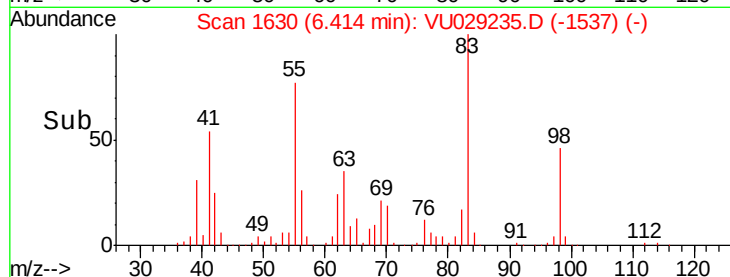
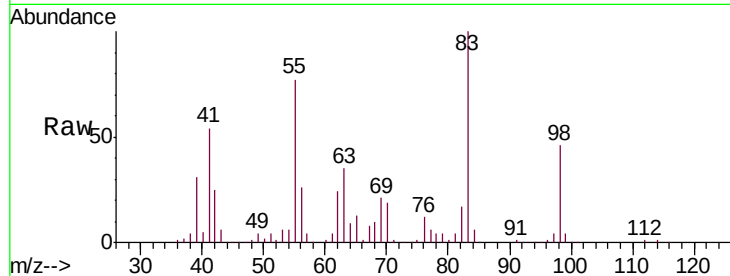




#39
Methylcyclohexane
Concen: 48.791 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

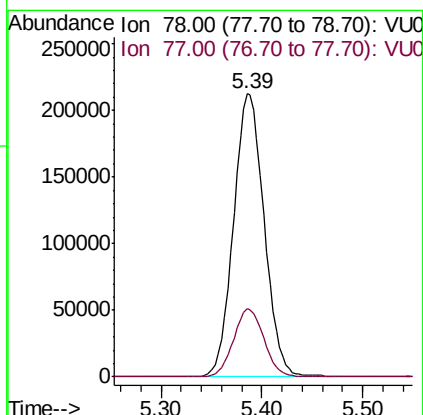
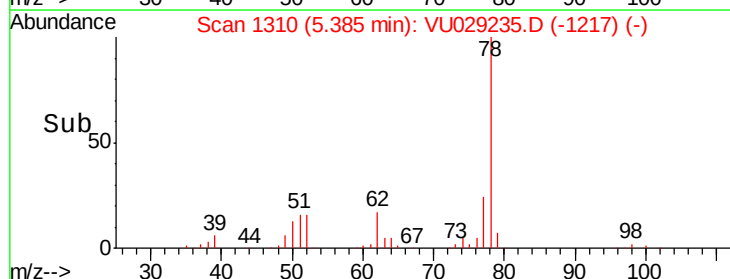
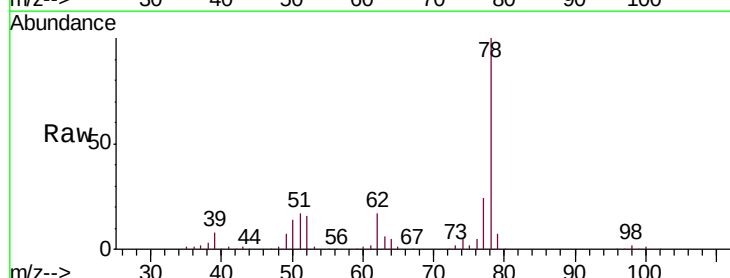
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

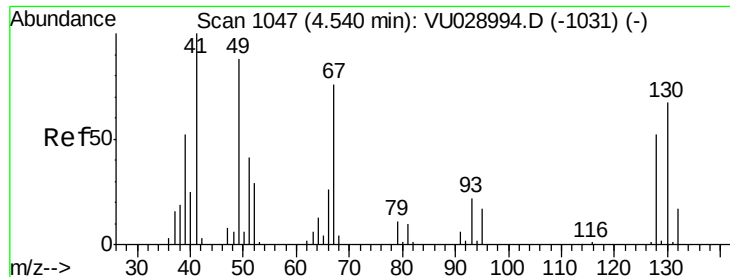
Tgt Ion: 83 Resp: 175817
Ion Ratio Lower Upper
83 100
55 76.6 62.4 93.6
98 46.0 36.2 54.2



#40
Benzene
Concen: 49.063 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 78 Resp: 448587
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





#41

Methacrylonitrile

Concen: 54.155 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 93267

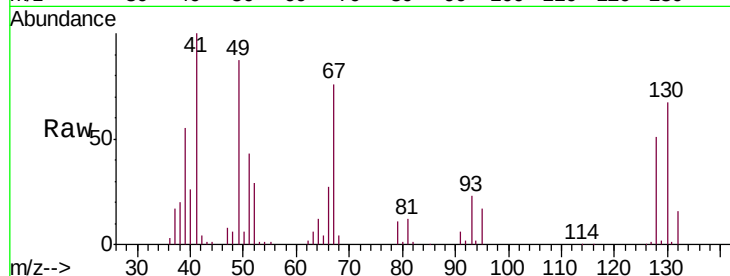
Ion Ratio Lower Upper

41 100

39 53.6 42.3 63.5

67 78.7 64.4 96.6

52 29.2 23.9 35.9

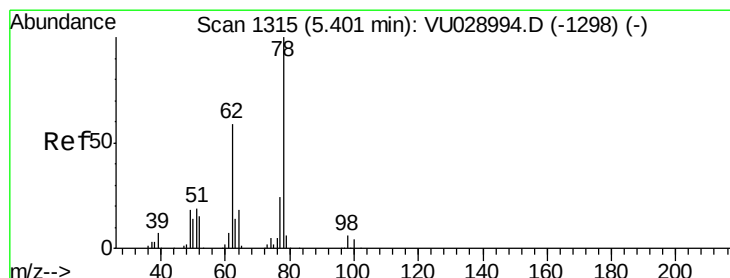
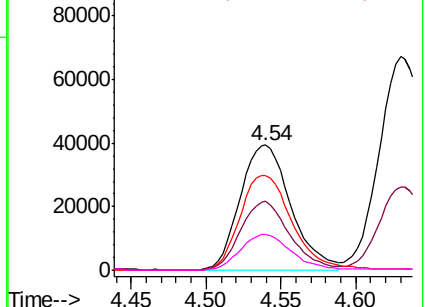
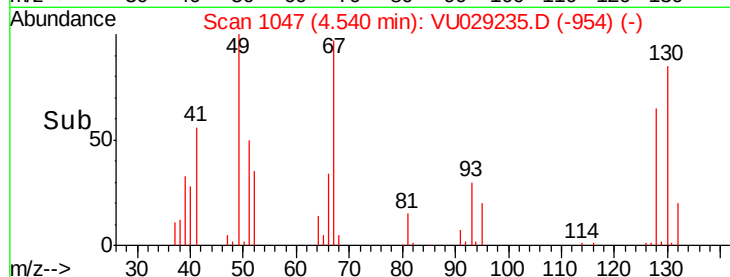


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 53.525 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU029235.D

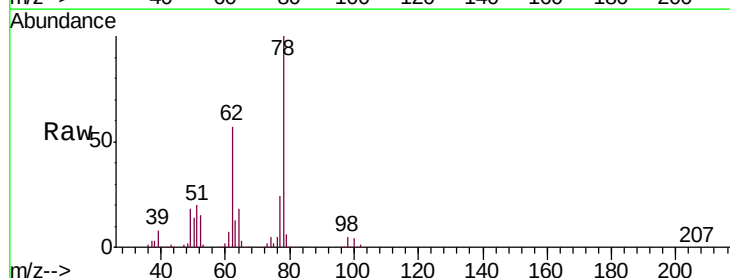
Acq: 21 Jan 2019 08:57

Tgt Ion: 62 Resp: 147055

Ion Ratio Lower Upper

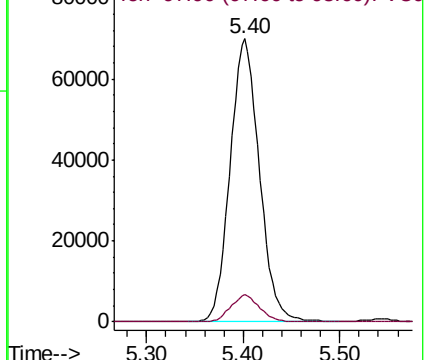
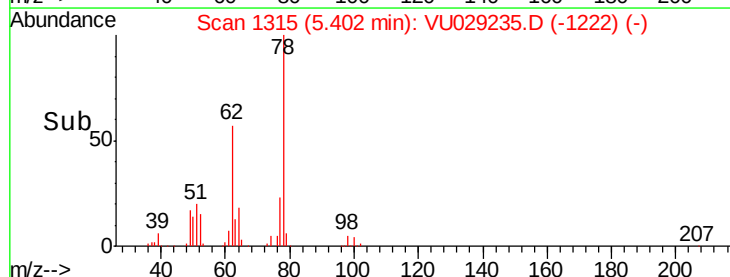
62 100

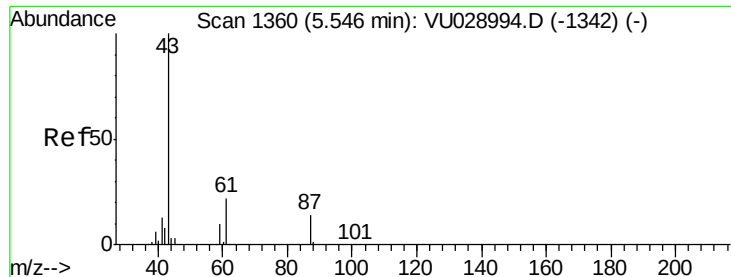
98 9.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 52.680 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

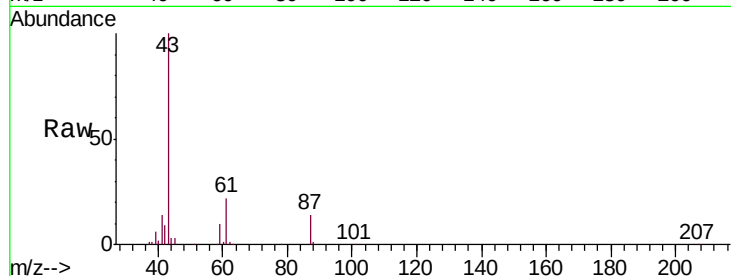
Tgt Ion: 43 Resp: 260001

Ion Ratio Lower Upper

43 100

61 22.3 17.8 26.6

87 14.3 11.3 16.9

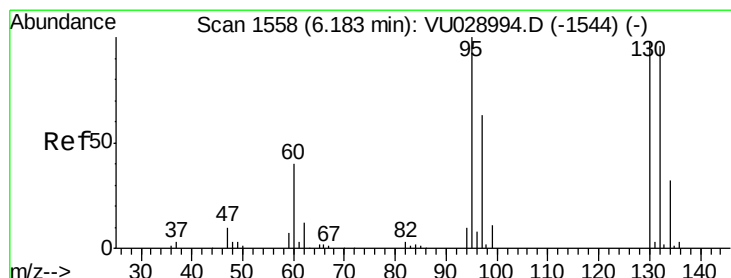
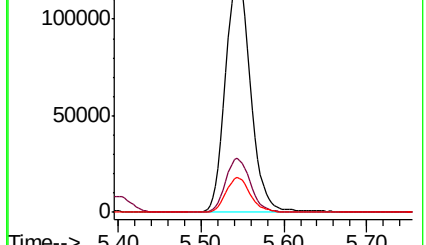
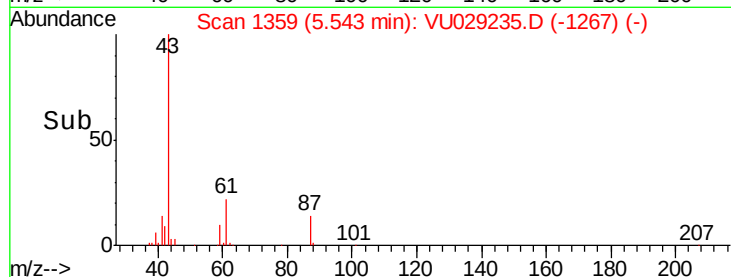


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)

Time--> 5.40 5.50 5.60 5.70



#44

Trichloroethene

Concen: 48.693 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029235.D

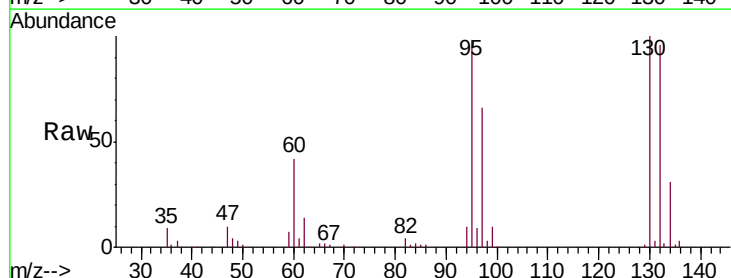
Acq: 21 Jan 2019 08:57

Tgt Ion: 130 Resp: 110309

Ion Ratio Lower Upper

130 100

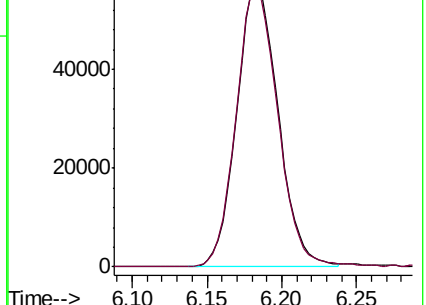
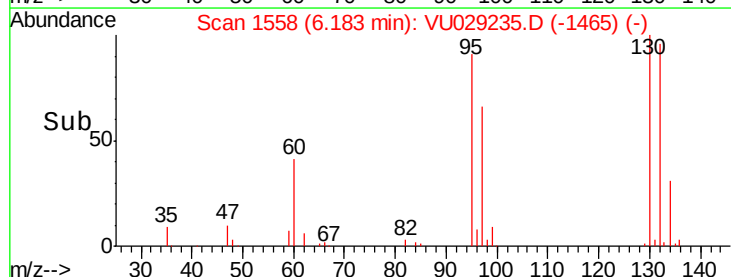
95 97.8 0.0 205.0

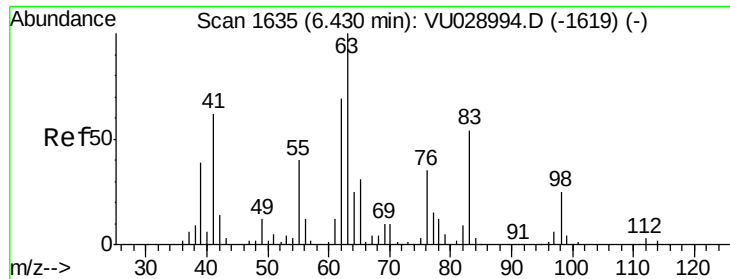


Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)

Time--> 6.10 6.15 6.20 6.25





#45

1,2-Dichloropropane

Concen: 52.522 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

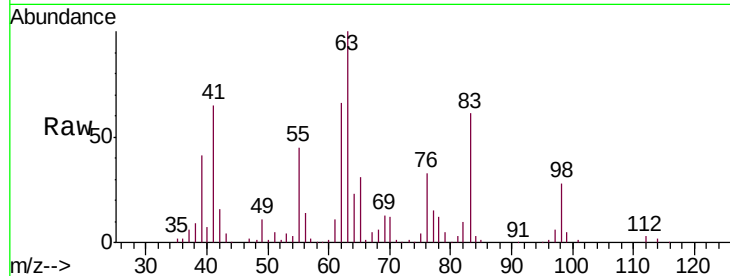
VSTDCCC050

Tgt Ion: 63 Resp: 126813

Ion Ratio Lower Upper

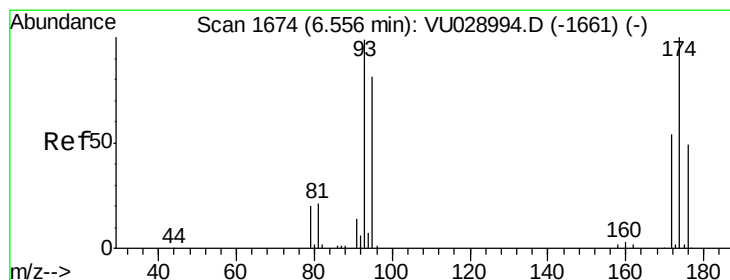
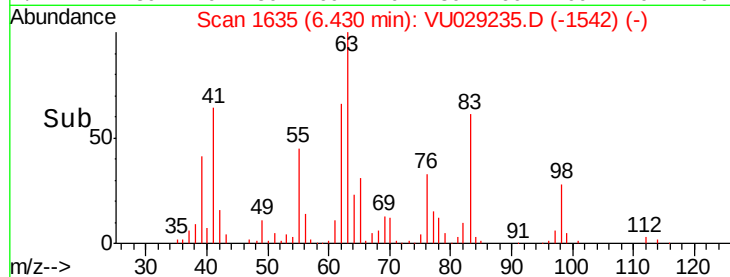
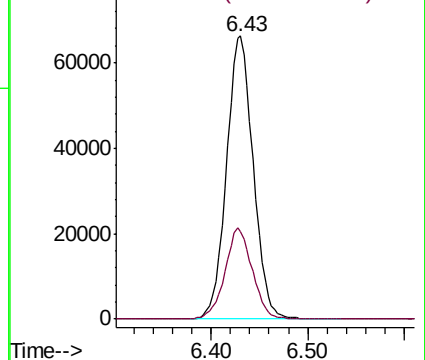
63 100

65 31.0 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.757 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

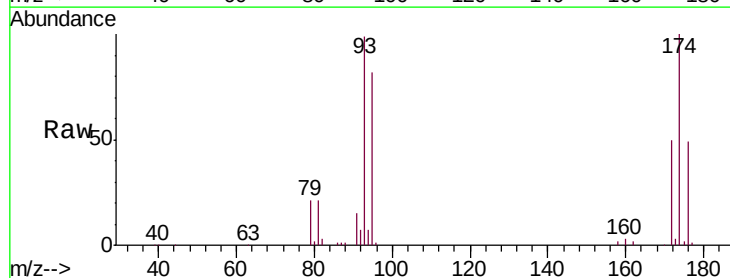
Tgt Ion: 93 Resp: 78342

Ion Ratio Lower Upper

93 100

95 84.7 67.2 100.8

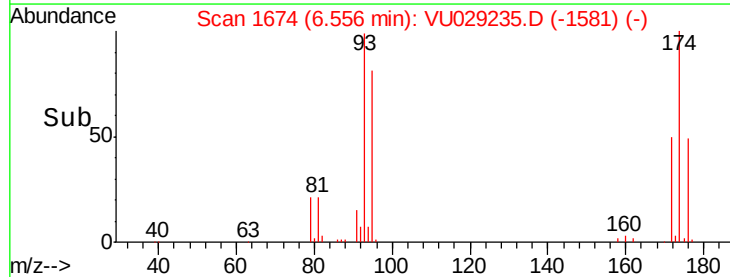
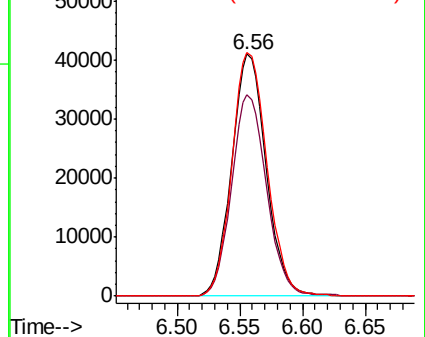
174 102.2 82.6 123.8

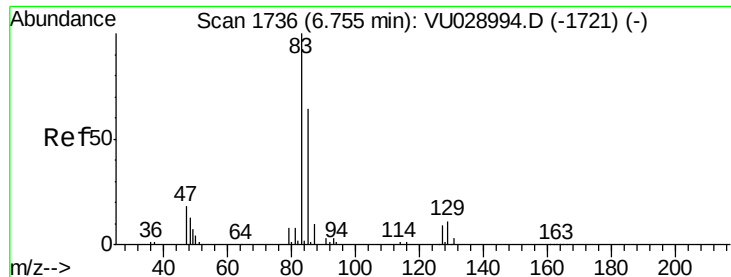


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

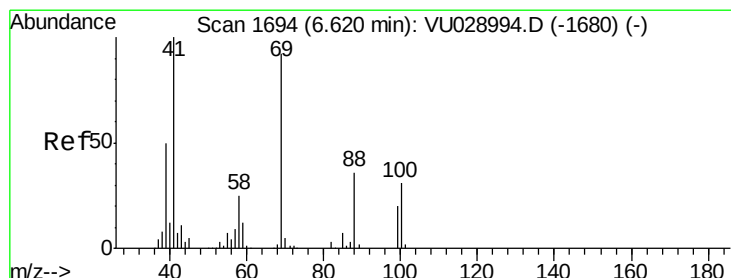
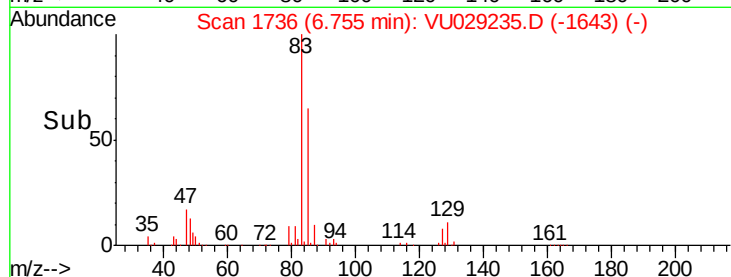
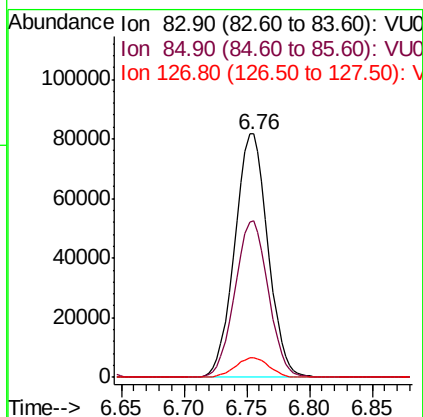
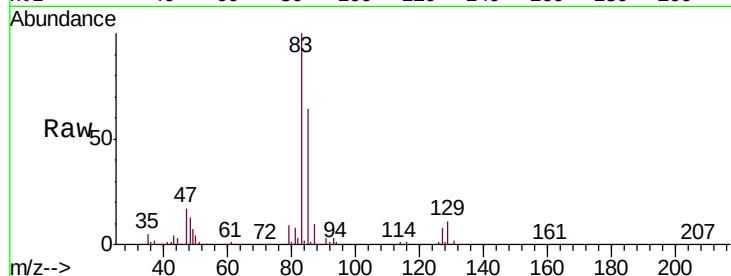




#47
Bromodichloromethane
Concen: 52.977 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

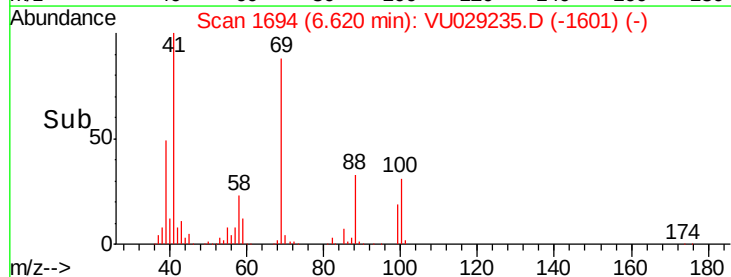
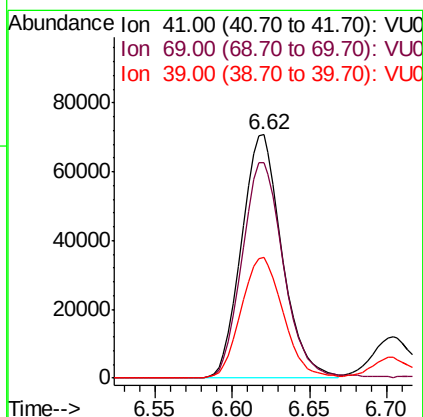
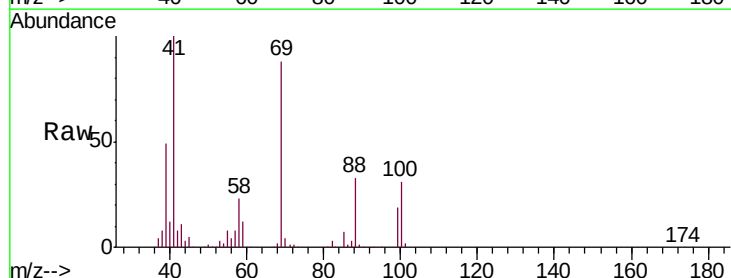
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

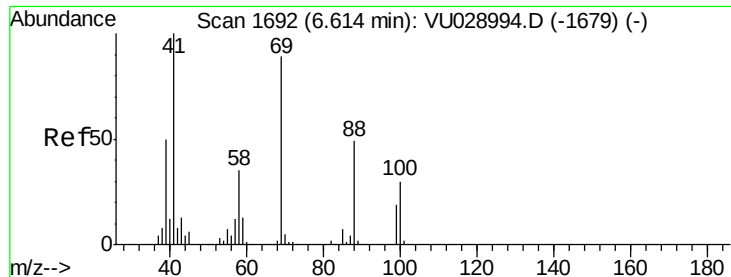
Tgt Ion: 83 Resp: 150550
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.2
127 8.0 7.0 10.4



#48
Methyl methacrylate
Concen: 53.791 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 41 Resp: 129271
Ion Ratio Lower Upper
41 100
69 90.9 73.6 110.4
39 50.8 39.6 59.4

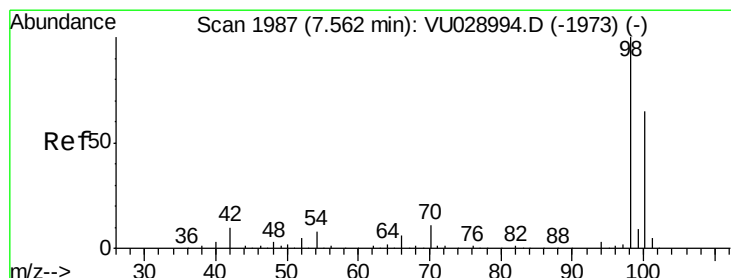
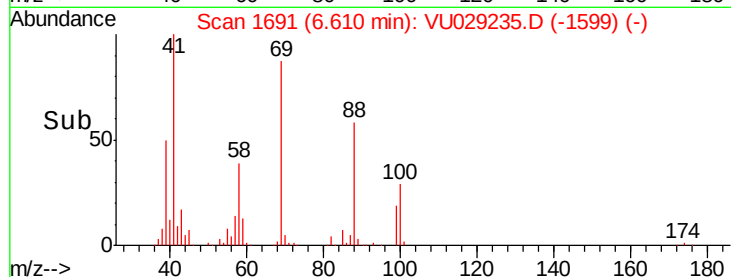
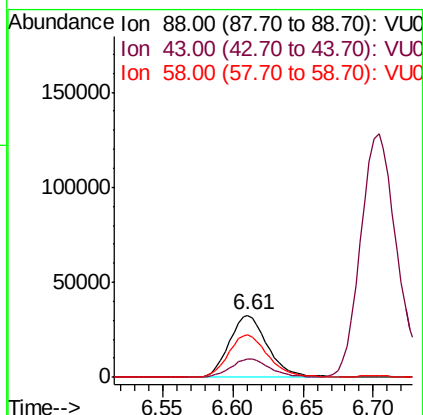
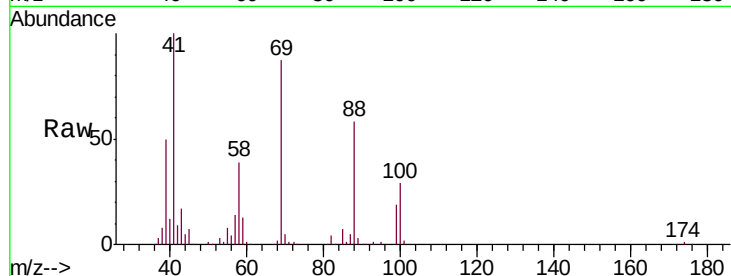




#49
1,4-Dioxane
Concen: 1072.635 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

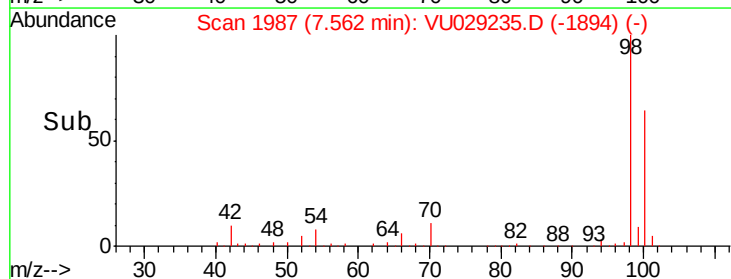
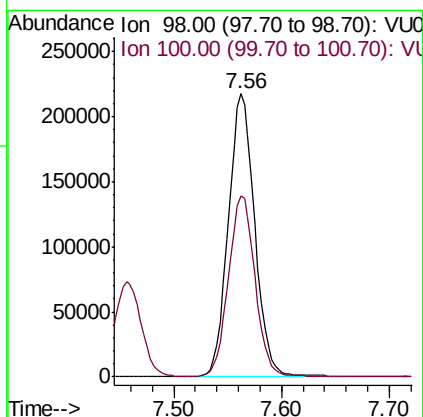
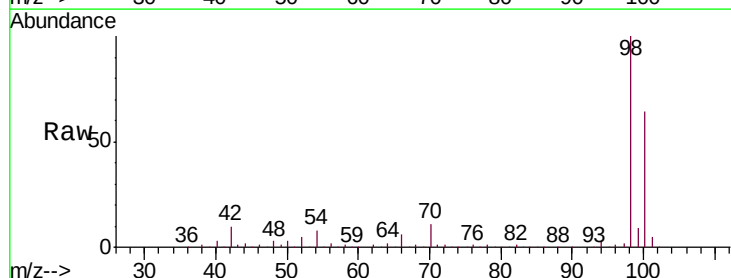
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

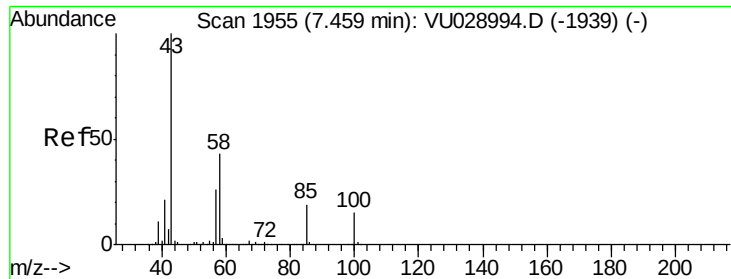
Tgt Ion: 88 Resp: 61089
Ion Ratio Lower Upper
88 100
43 30.8 23.0 34.4
58 71.7 57.9 86.9



#50
Toluene-d8
Concen: 49.587 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 98 Resp: 372127
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

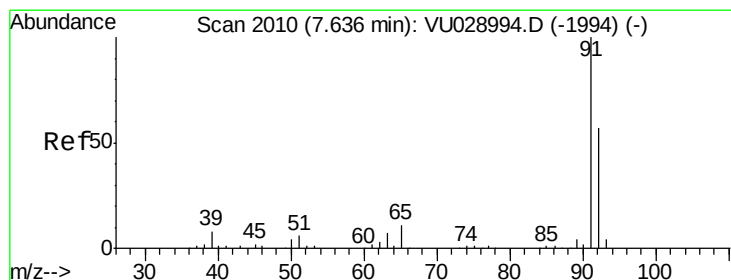
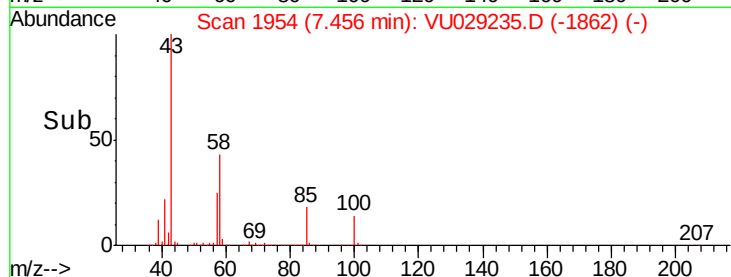
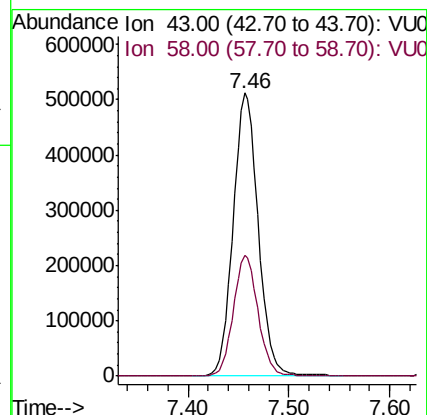
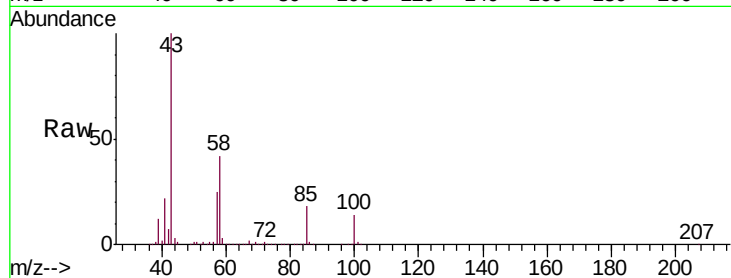




#51
 4-Methyl-2-Pentanone
 Concen: 264.271 ug/l
 RT: 7.46 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

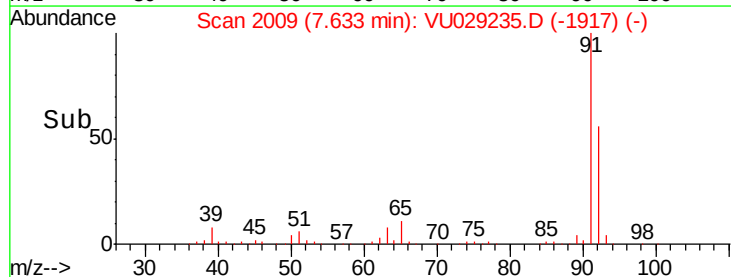
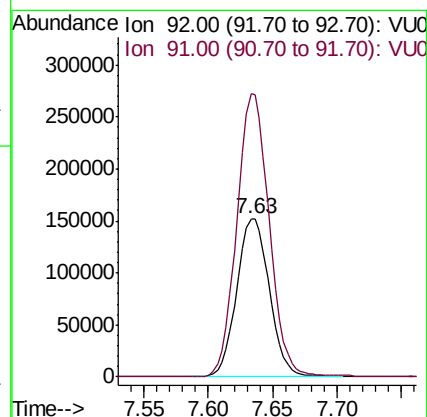
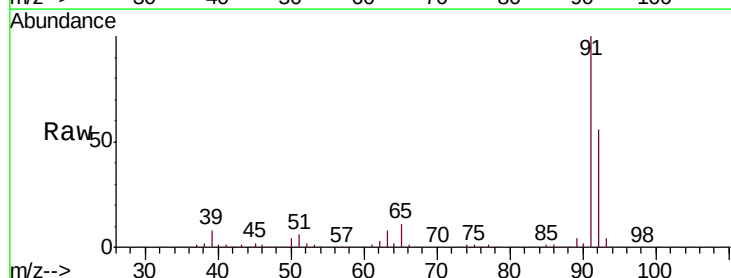
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

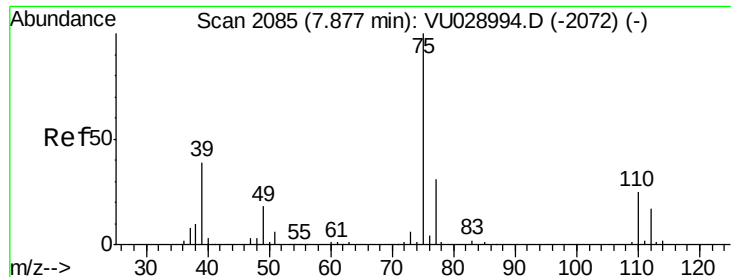
Tgt Ion: 43 Resp: 887654
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.9 50.9



#52
 Toluene
 Concen: 48.359 ug/l
 RT: 7.63 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 92 Resp: 269168
 Ion Ratio Lower Upper
 92 100
 91 177.0 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 51.019 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

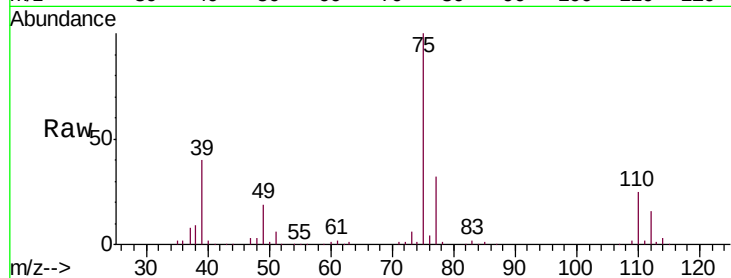
VSTDCCC050

Tgt Ion: 75 Resp: 174167

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

120000

100000

80000

60000

40000

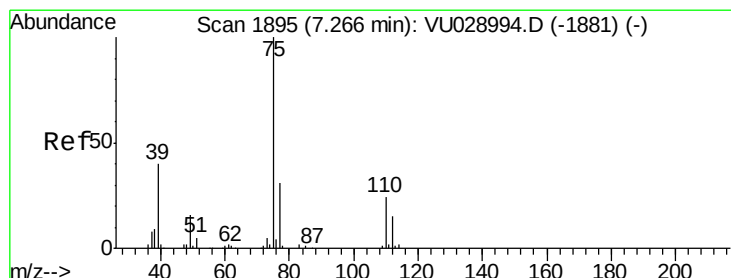
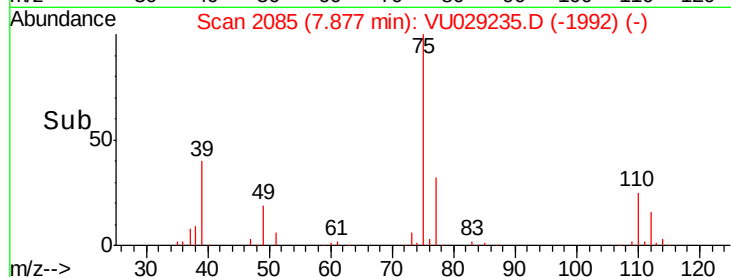
20000

0

7.88

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.214 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

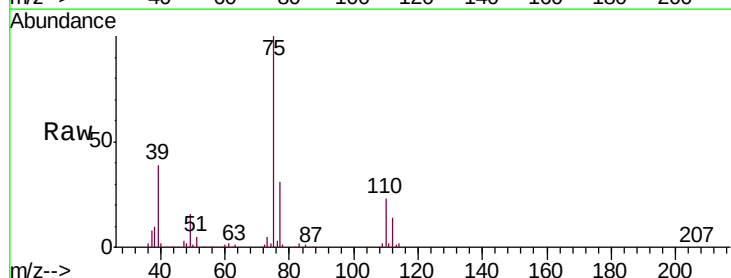
Tgt Ion: 75 Resp: 188918

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 39.3 32.2 48.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

150000

100000

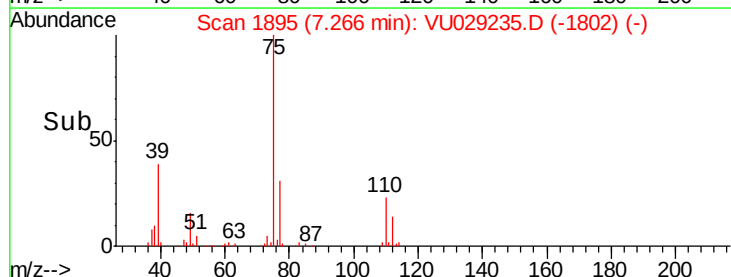
50000

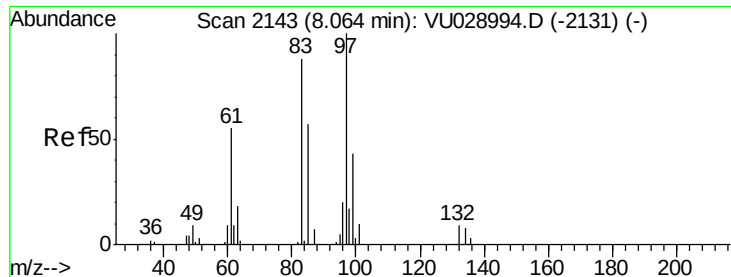
0

7.27

7.20 7.25 7.30 7.35

Time-->

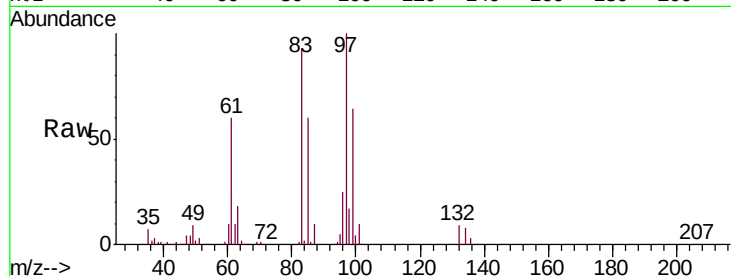




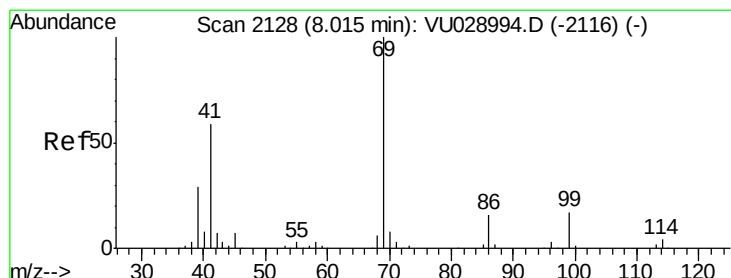
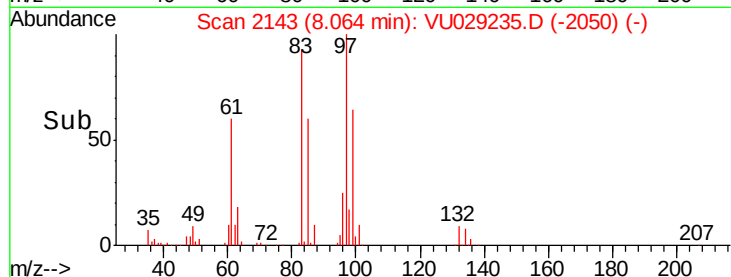
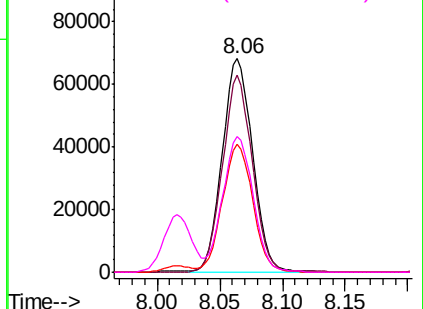
#55
 1,1,2-Trichloroethane
 Concen: 51.290 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 114369
 Ion Ratio Lower Upper
 97 100
 83 92.5 69.8 104.8
 85 59.8 47.3 70.9
 99 63.5 49.7 74.5

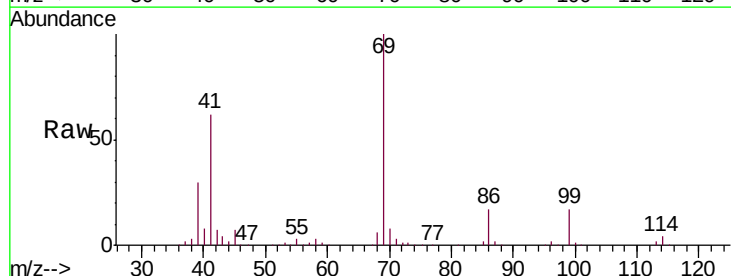


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

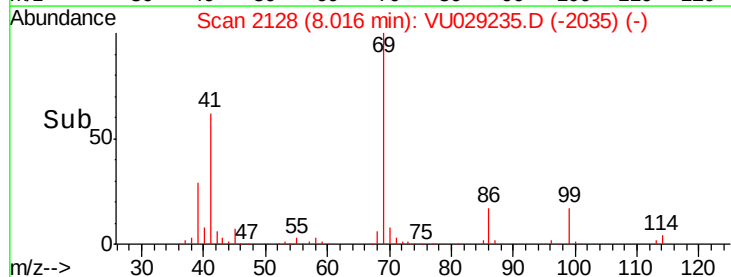
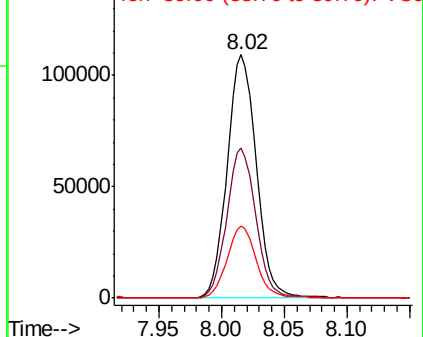


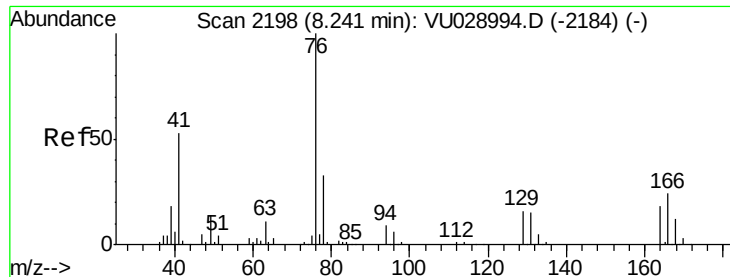
#56
 Ethyl methacrylate
 Concen: 51.437 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 69 Resp: 176701
 Ion Ratio Lower Upper
 69 100
 41 61.7 47.5 71.3
 39 29.1 22.5 33.7



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

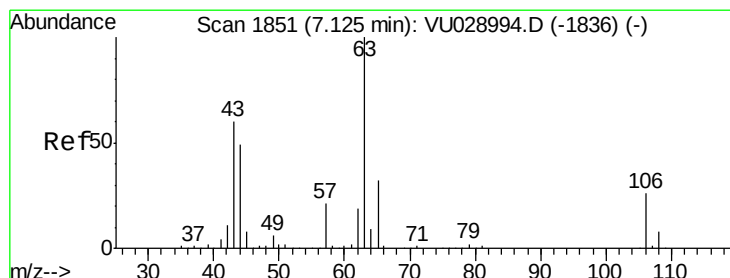
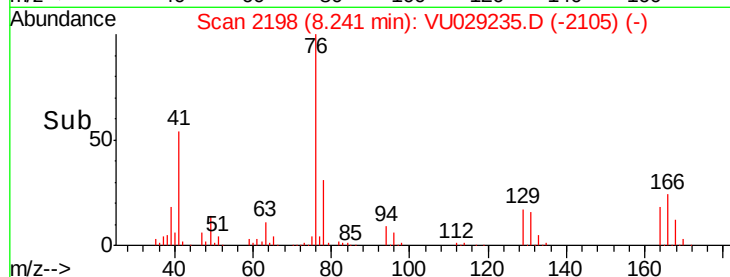
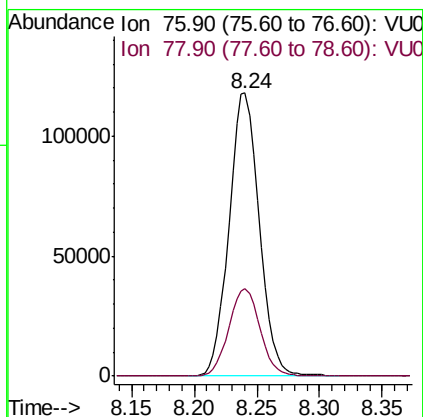
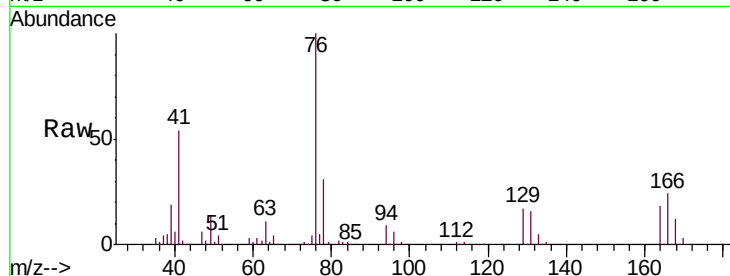




#57
 1,3-Dichloropropane
 Concen: 51.856 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

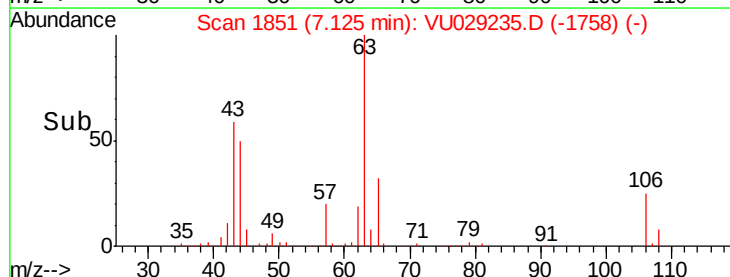
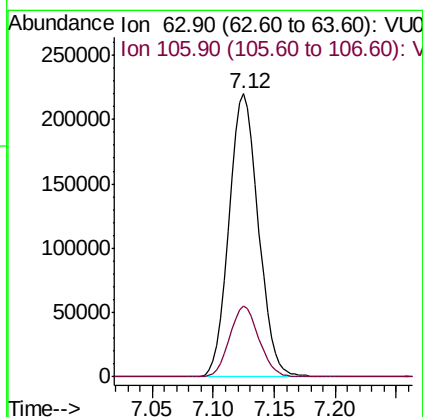
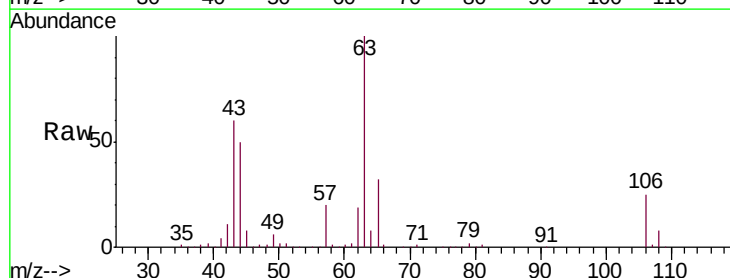
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

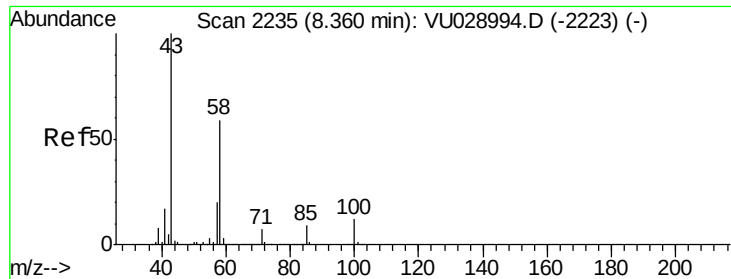
Tgt Ion: 76 Resp: 197857
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.264 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 63 Resp: 370540
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.6 31.0

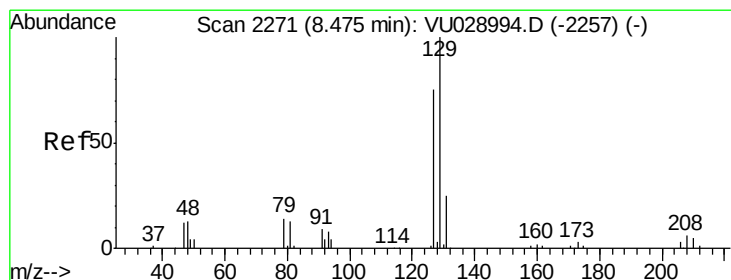
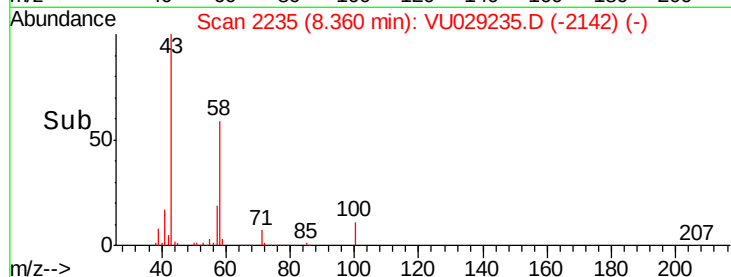
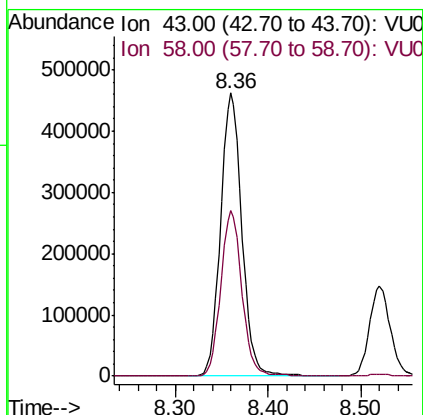
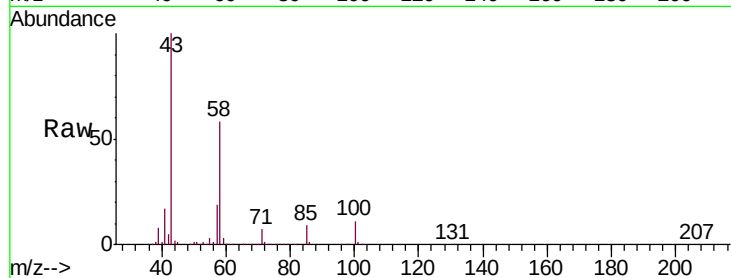




#59
2-Hexanone
Concen: 278.163 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

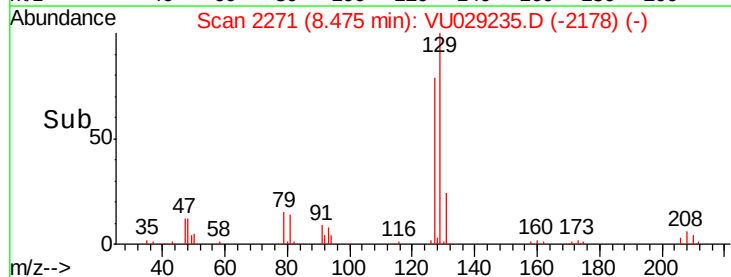
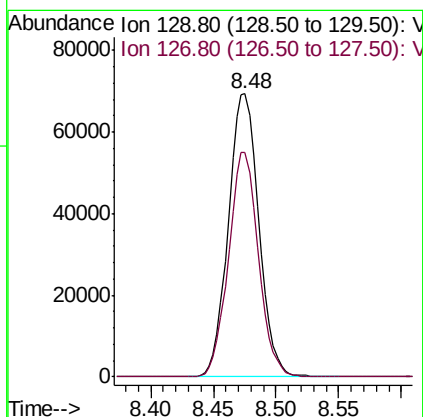
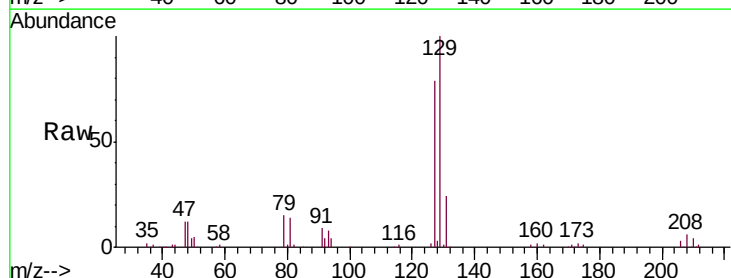
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

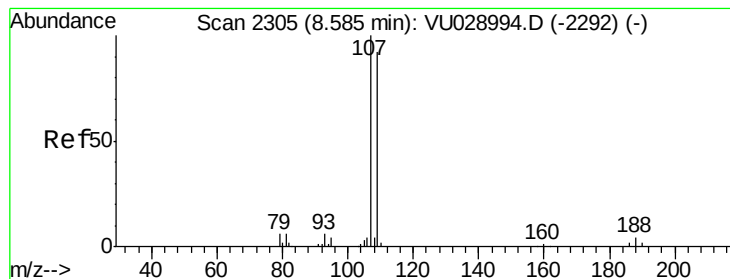
Tgt Ion: 43 Resp: 733403
Ion Ratio Lower Upper
43 100
58 58.2 29.8 89.4



#60
Dibromochloromethane
Concen: 53.021 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 129 Resp: 117130
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 50.290 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

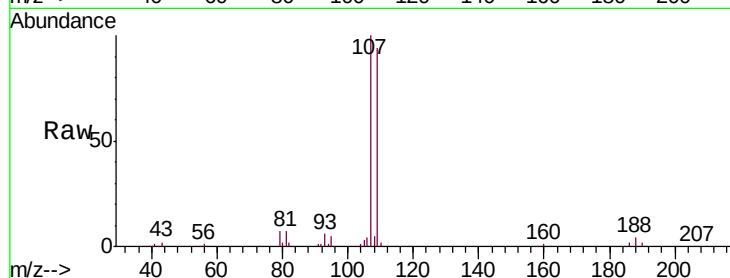
VSTDCCC050

Tgt Ion: 107 Resp: 121621

Ion Ratio Lower Upper

107 100

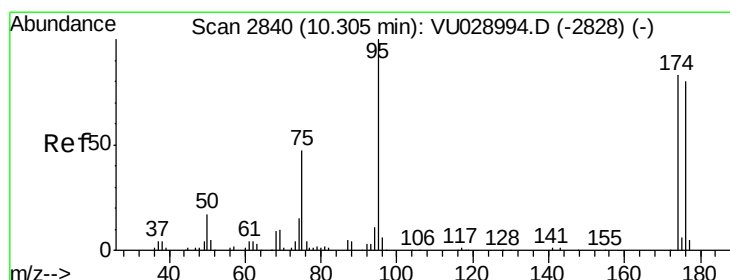
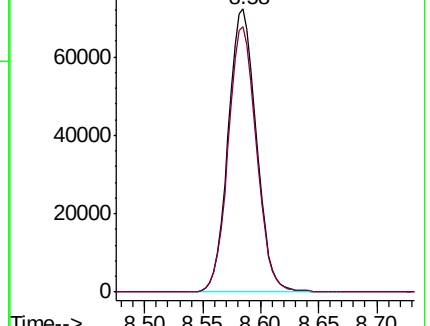
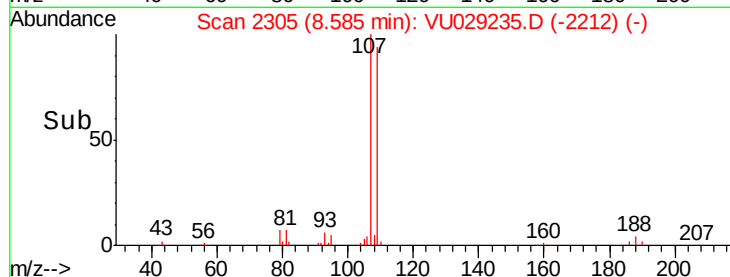
109 94.1 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58



#62

4-Bromofluorobenzene

Concen: 48.736 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

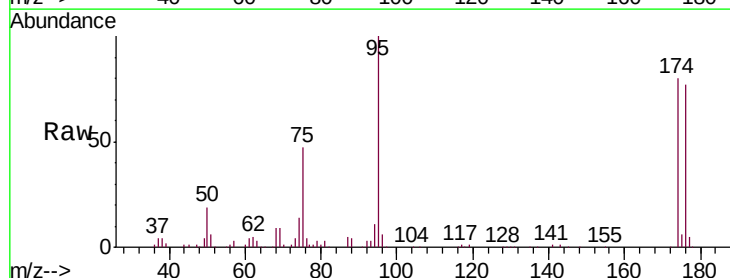
Tgt Ion: 95 Resp: 131442

Ion Ratio Lower Upper

95 100

174 81.9 0.0 170.6

176 78.6 0.0 165.0

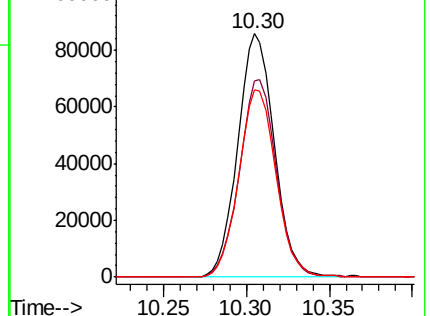
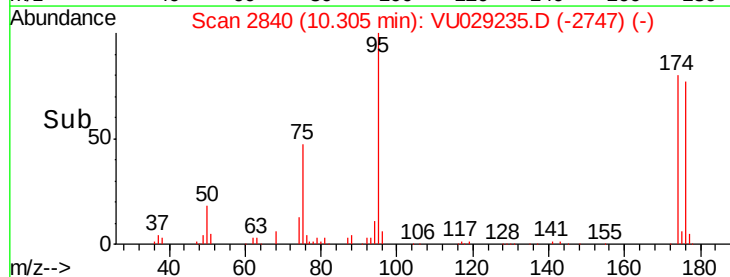


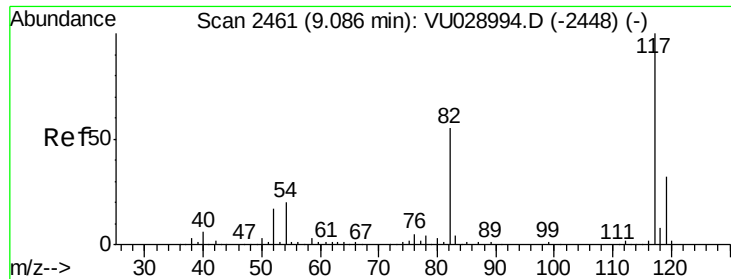
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

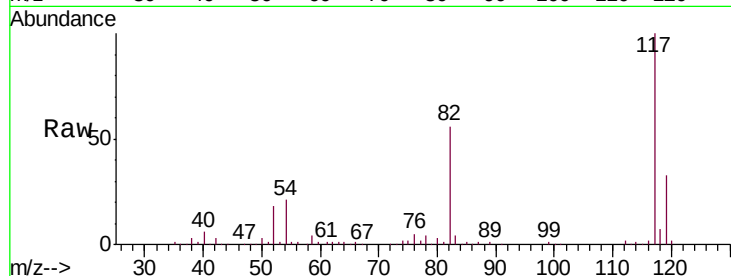




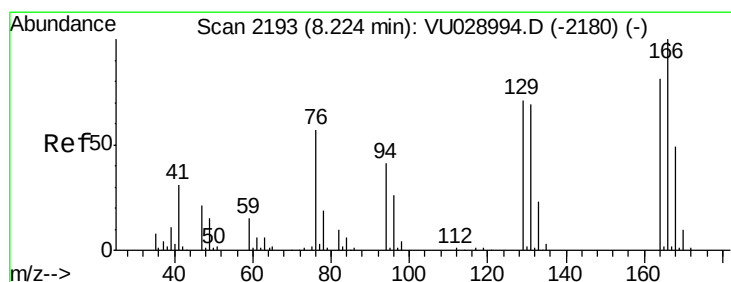
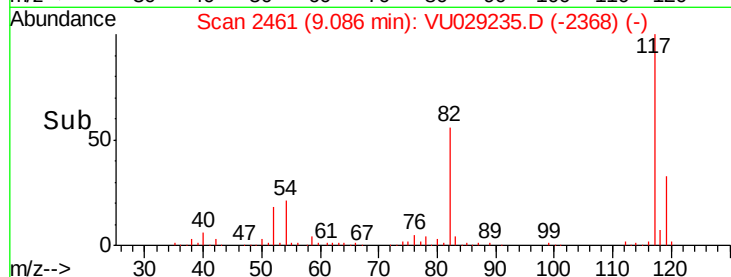
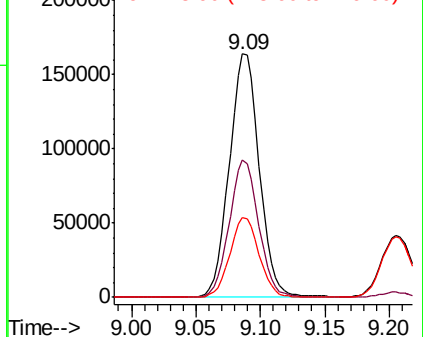
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 264144
Ion Ratio Lower Upper
117 100
82 56.4 43.9 65.9
119 32.8 26.0 39.0

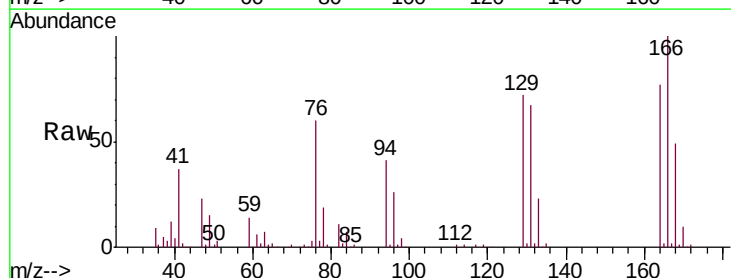


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

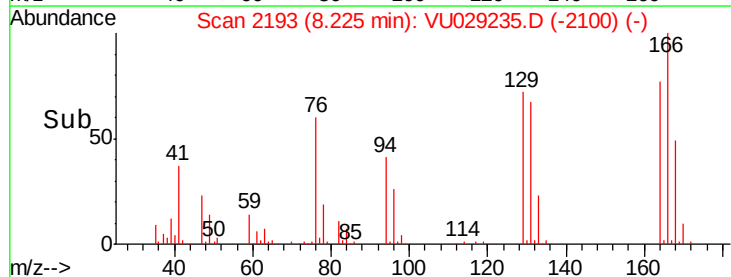
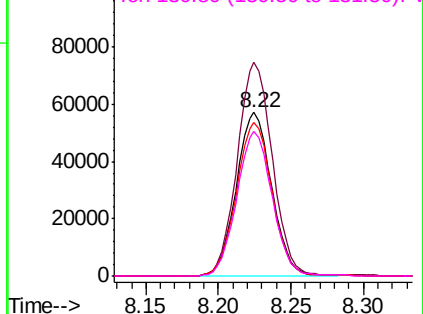


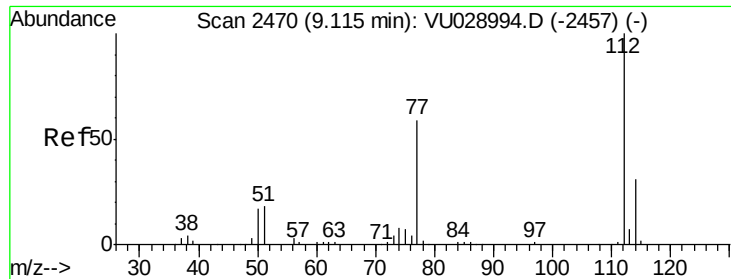
#64
Tetrachloroethene
Concen: 50.959 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion:164 Resp: 96964
Ion Ratio Lower Upper
164 100
166 130.7 99.4 149.0
129 93.8 70.5 105.7
131 88.2 69.0 103.6



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: 45.958 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

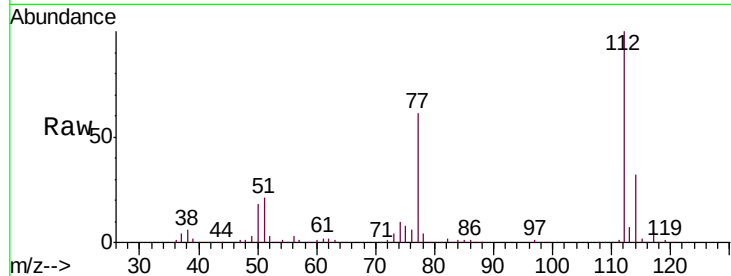
VSTDCCC050

Tgt Ion:112 Resp: 272113

Ion Ratio Lower Upper

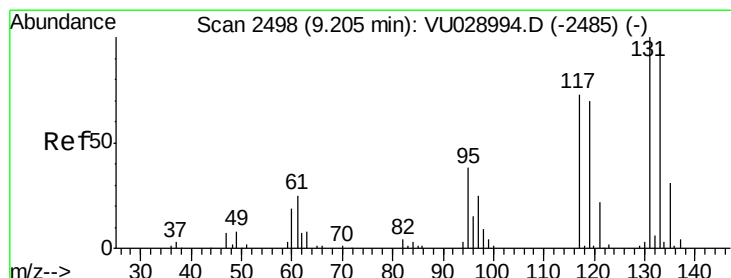
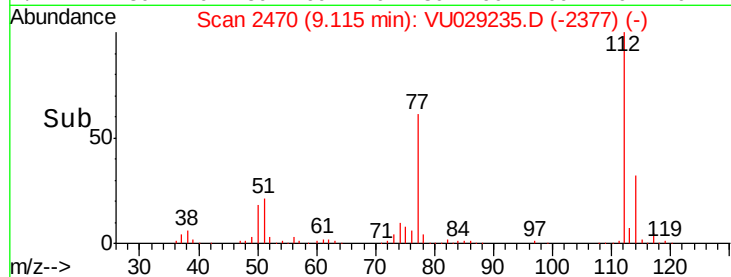
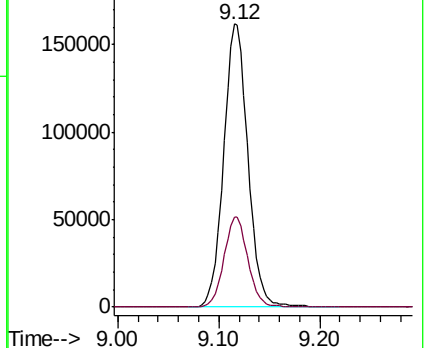
112 100

114 31.9 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.104 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

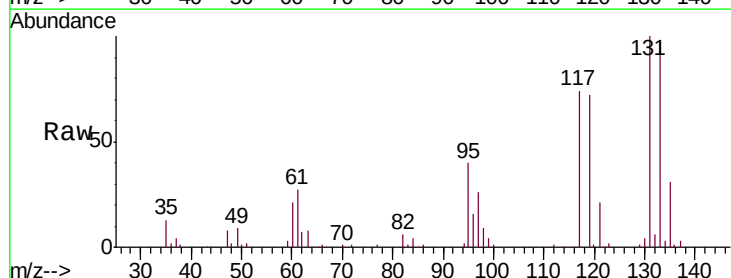
Tgt Ion:131 Resp: 94351

Ion Ratio Lower Upper

131 100

133 96.9 48.2 144.6

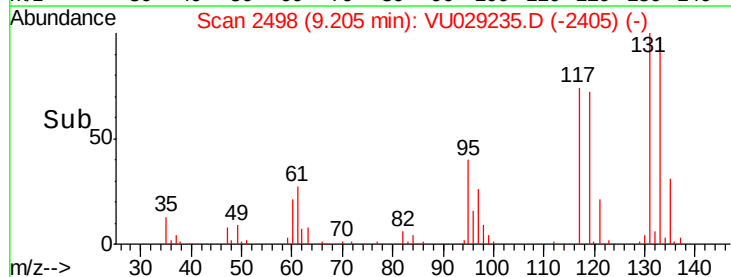
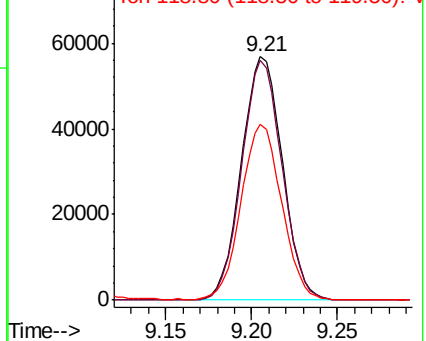
119 71.7 35.4 106.3

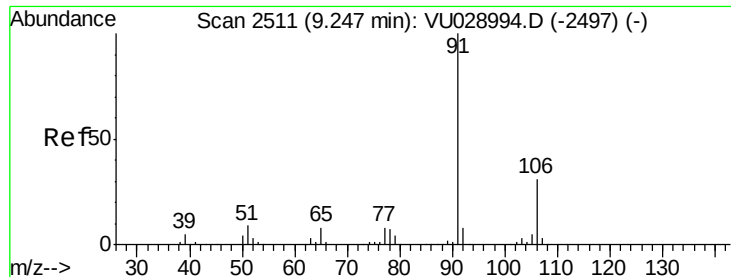


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

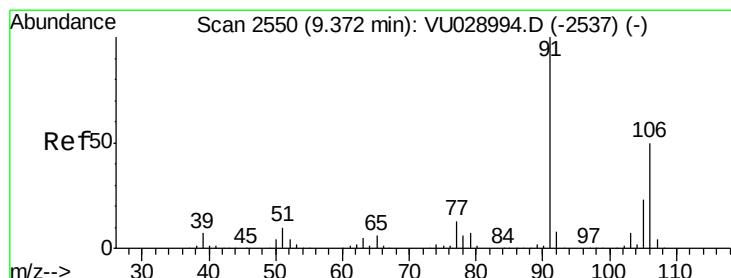
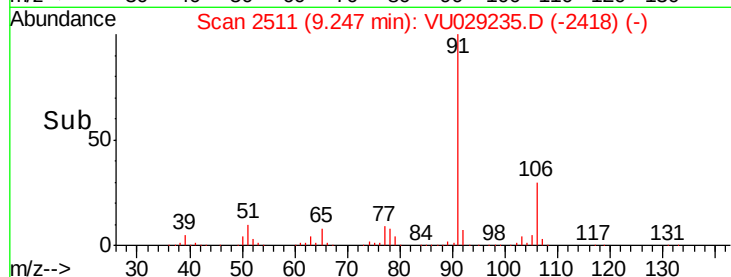
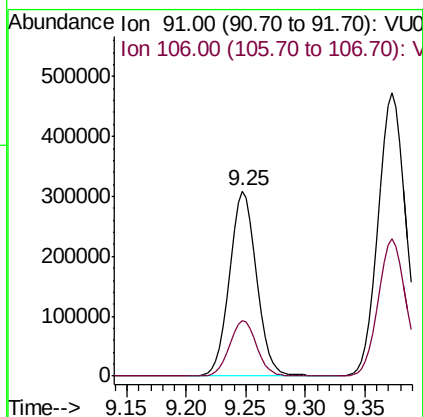
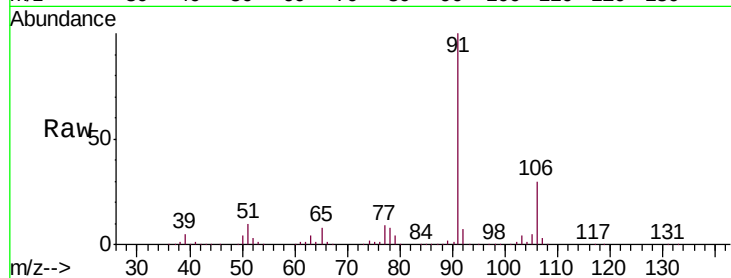




#67
Ethyl Benzene
Concen: 49.310 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

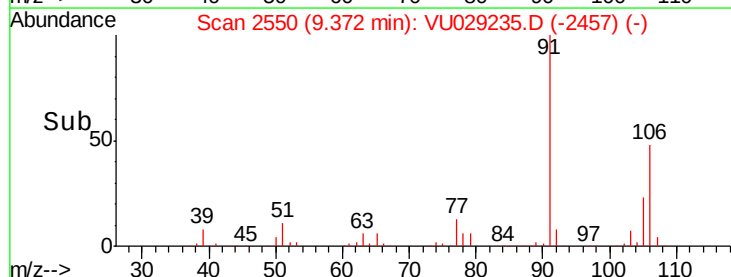
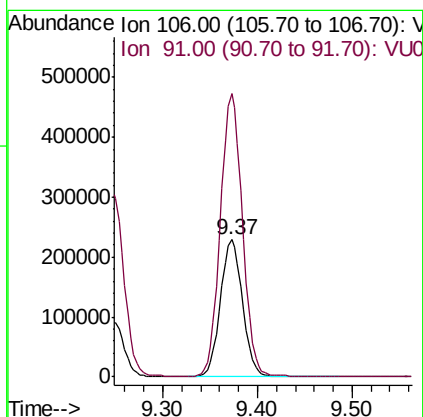
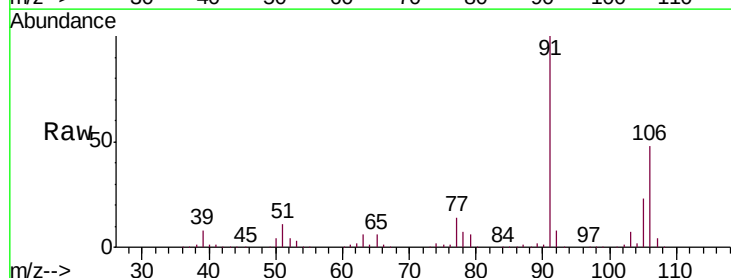
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

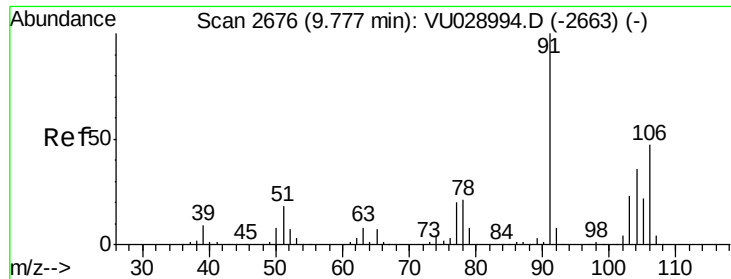
Tgt Ion: 91 Resp: 487443
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.4



#68
m/p-Xylenes
Concen: 96.683 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 106 Resp: 371348
Ion Ratio Lower Upper
106 100
91 206.9 161.7 242.5

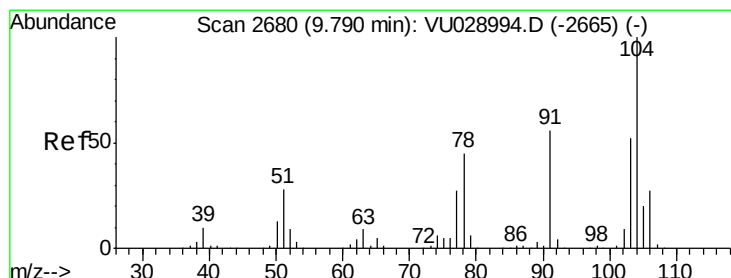
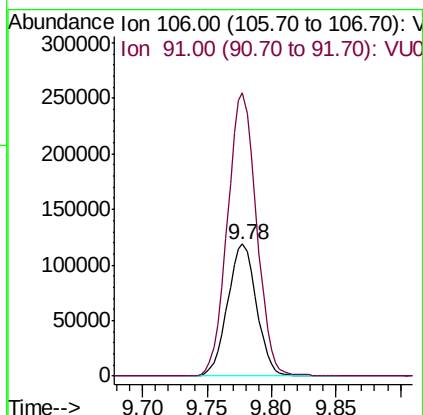
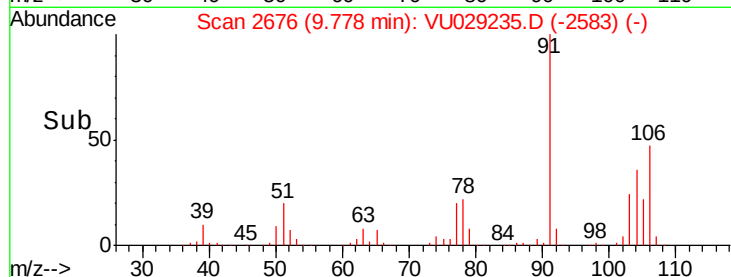
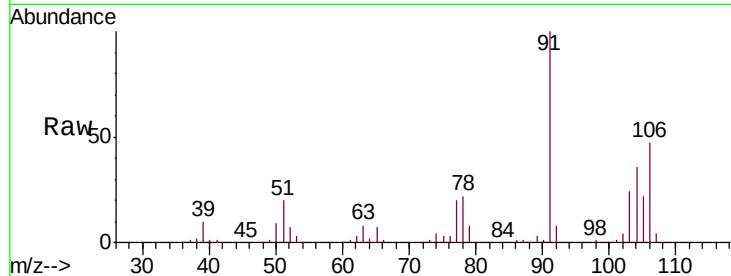




#69
o-Xylene
Concen: 50.135 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

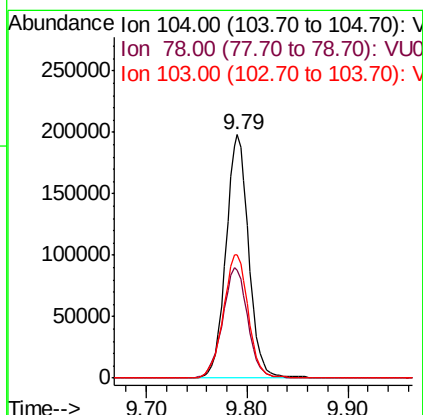
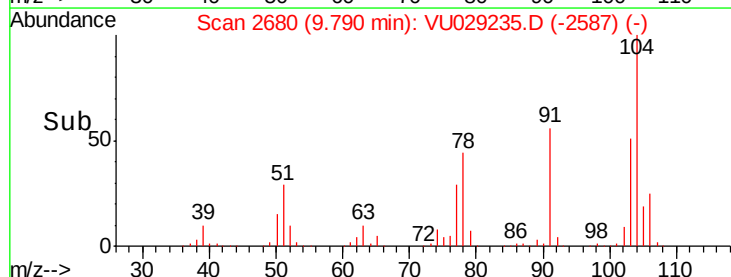
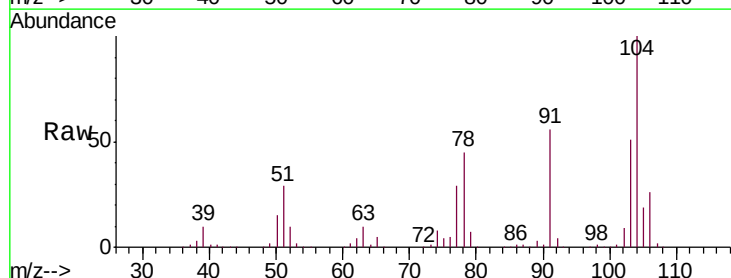
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

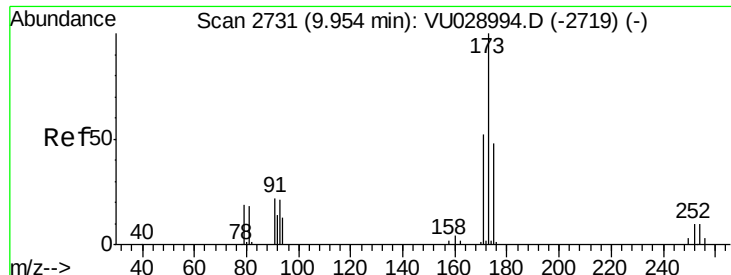
Tgt Ion:106 Resp: 185542
Ion Ratio Lower Upper
106 100
91 215.4 106.1 318.3



#70
Styrene
Concen: 51.462 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion:104 Resp: 312215
Ion Ratio Lower Upper
104 100
78 49.9 38.6 58.0
103 55.6 44.5 66.7





#71

Bromoform

Concen: 50.825 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

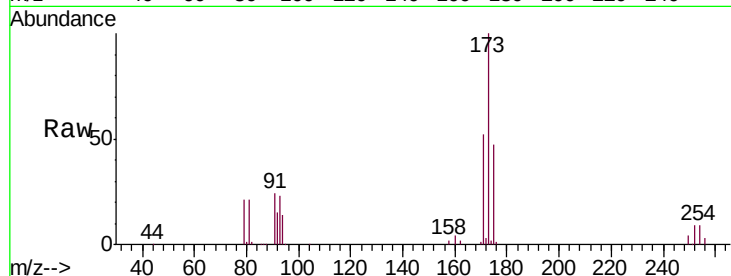
Tgt Ion:173 Resp: 86955

Ion Ratio Lower Upper

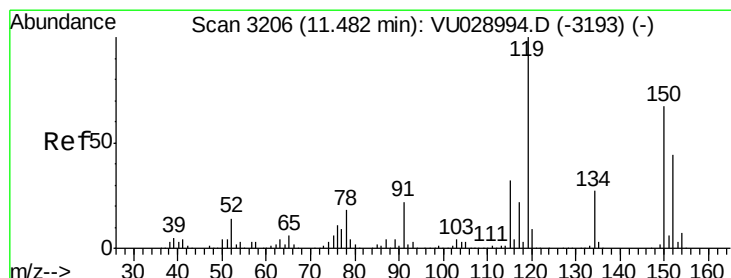
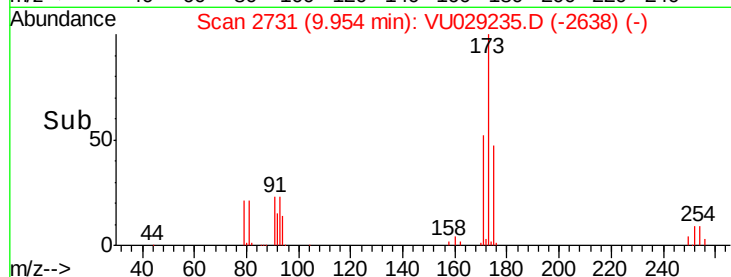
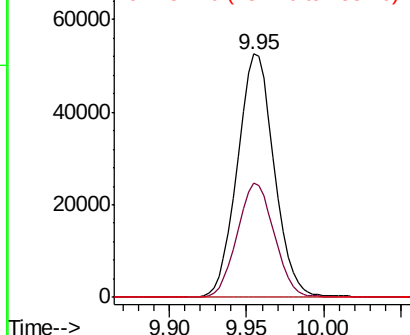
173 100

175 47.5 23.8 71.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

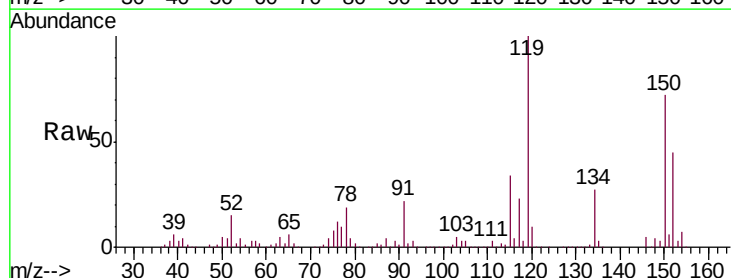
Tgt Ion:152 Resp: 144729

Ion Ratio Lower Upper

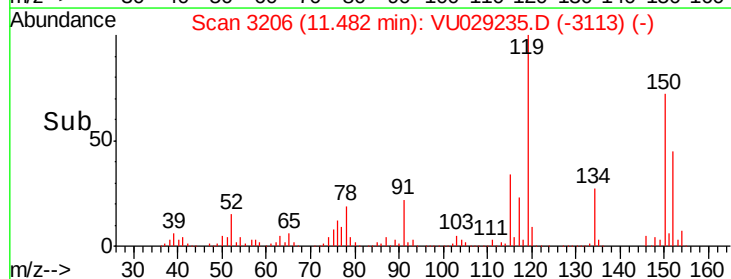
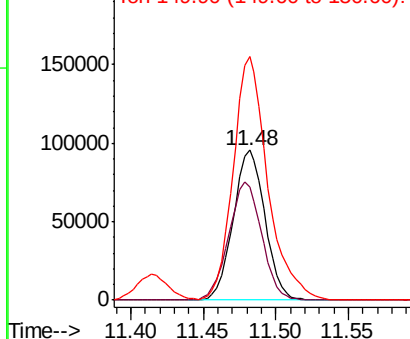
152 100

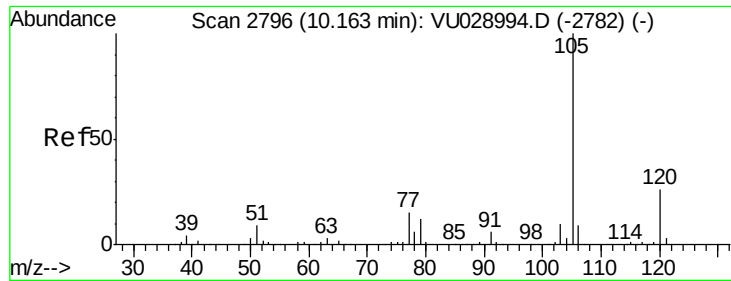
115 82.0 40.1 120.3

150 177.0 0.0 345.2



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





#73

Isopropylbenzene

Concen: 45.308 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

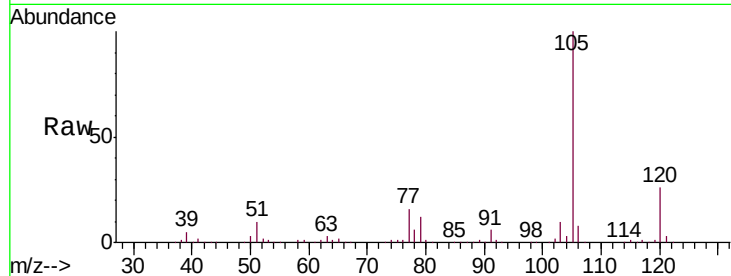
VSTDCCC050

Tgt Ion:105 Resp: 485356

Ion Ratio Lower Upper

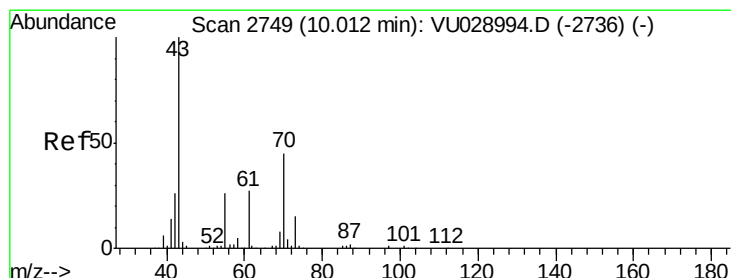
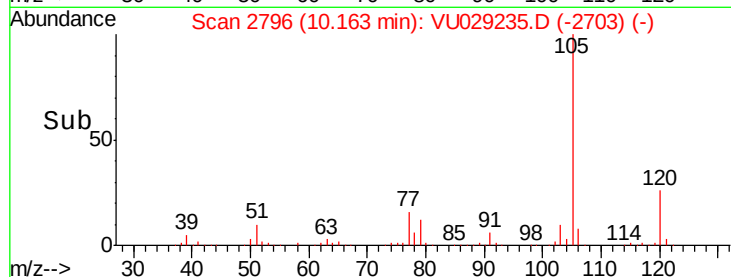
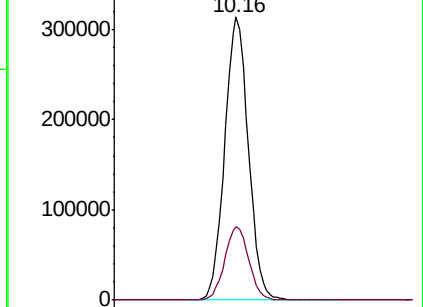
105 100

120 26.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.081 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Tgt Ion: 43 Resp: 217334

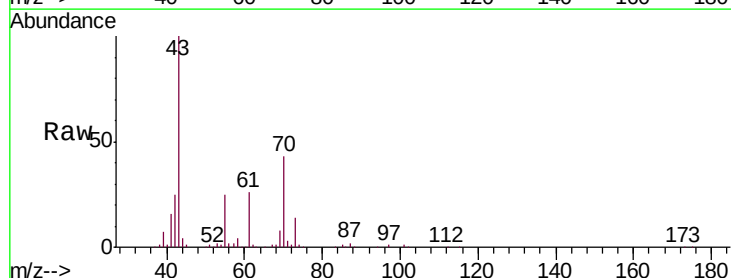
Ion Ratio Lower Upper

43 100

70 42.7 36.3 54.5

55 25.1 20.5 30.7

61 25.2 21.8 32.8

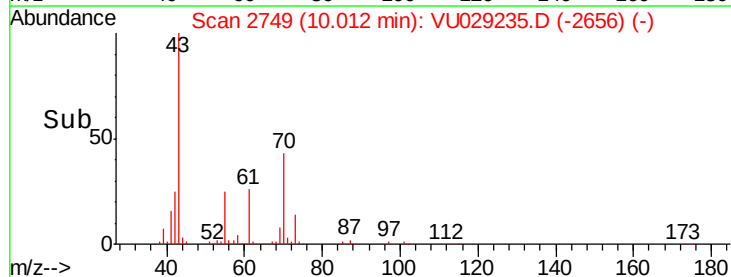
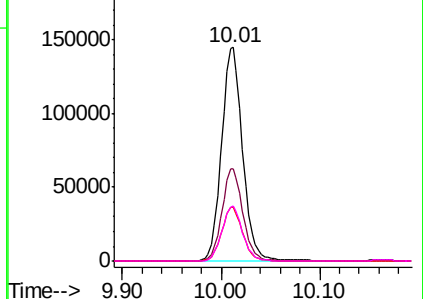


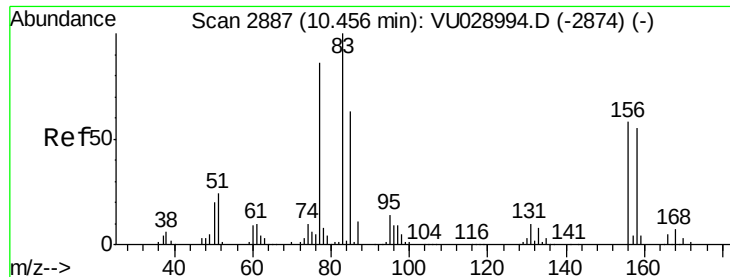
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 47.648 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

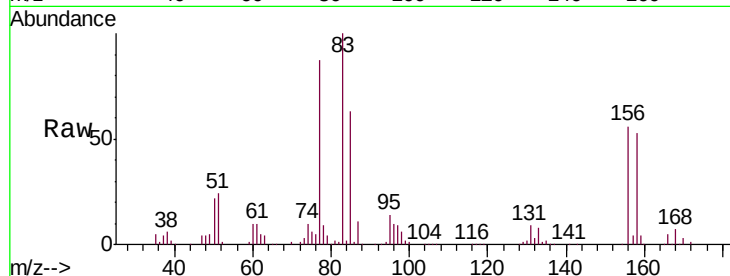
Tgt Ion: 83 Resp: 204570

Ion Ratio Lower Upper

83 100

131 8.7 4.7 14.1

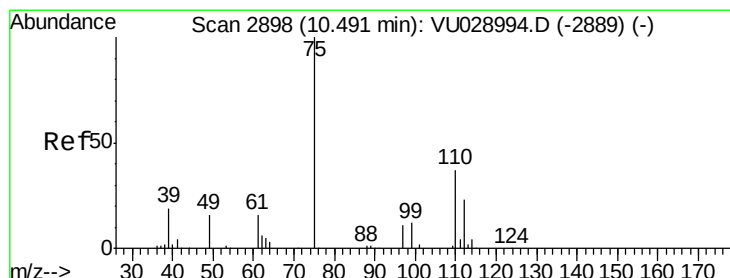
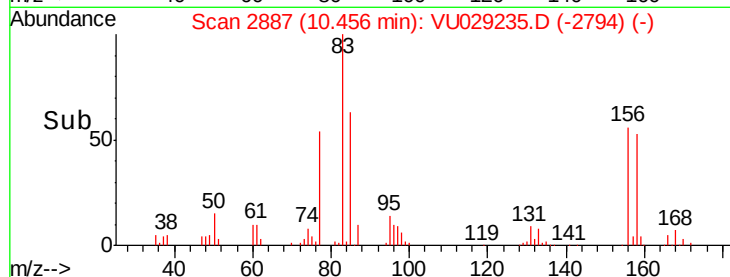
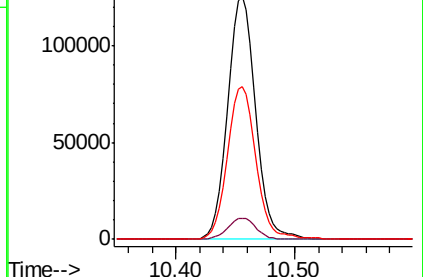
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 67.231 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029235.D

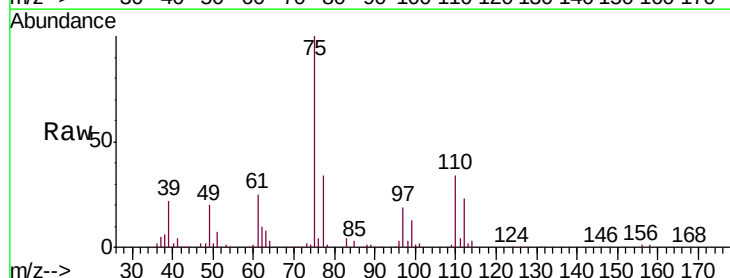
Acq: 21 Jan 2019 08:57

Tgt Ion: 75 Resp: 238408

Ion Ratio Lower Upper

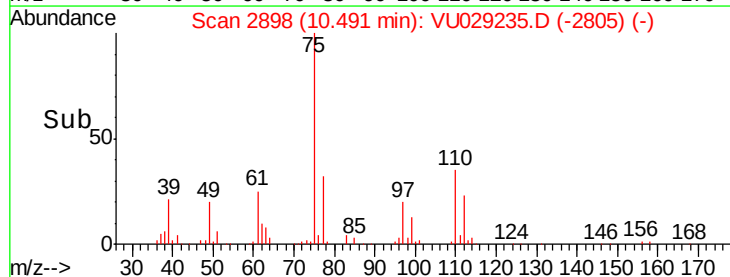
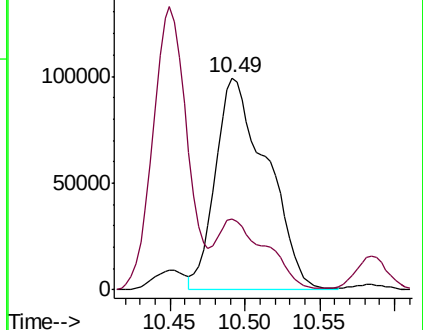
75 100

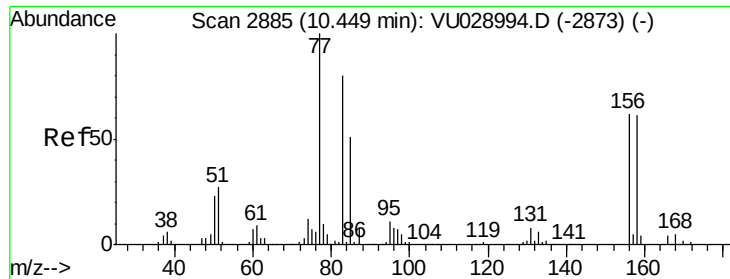
77 32.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 46.432 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

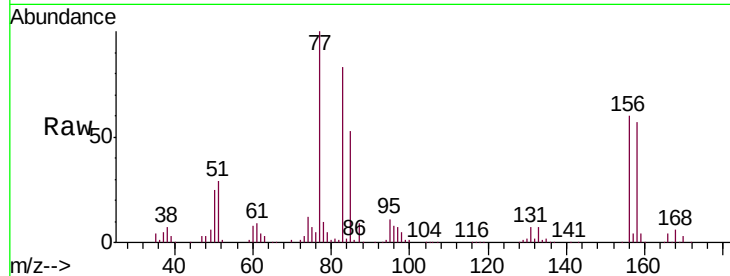
Tgt Ion:156 Resp: 129623

Ion Ratio Lower Upper

156 100

77 163.1 79.0 237.2

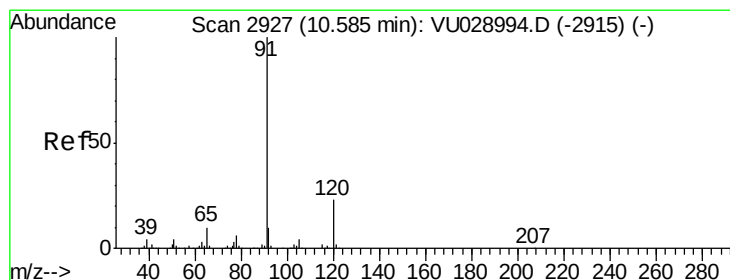
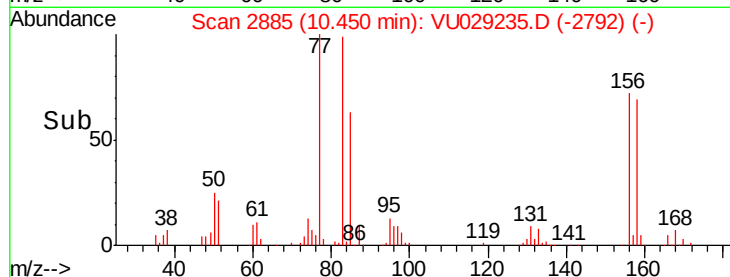
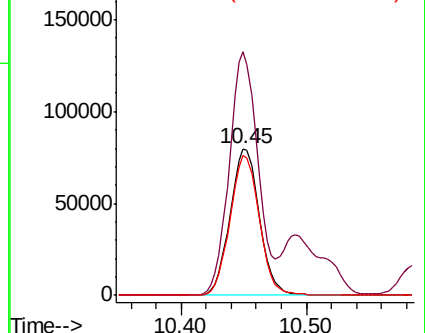
158 95.1 48.9 146.6



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: 49.645 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029235.D

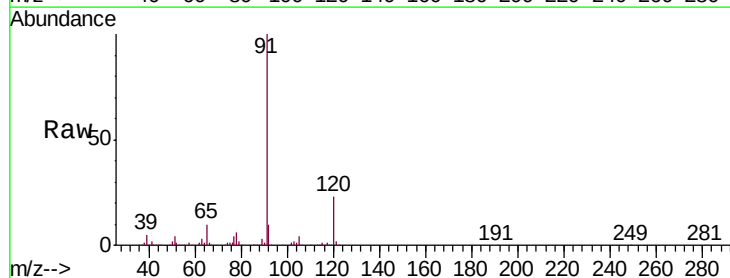
Acq: 21 Jan 2019 08:57

Tgt Ion: 91 Resp: 626737

Ion Ratio Lower Upper

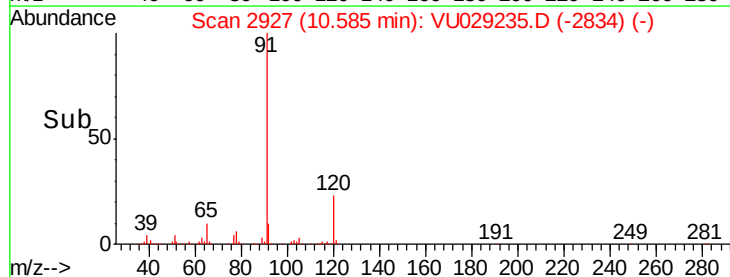
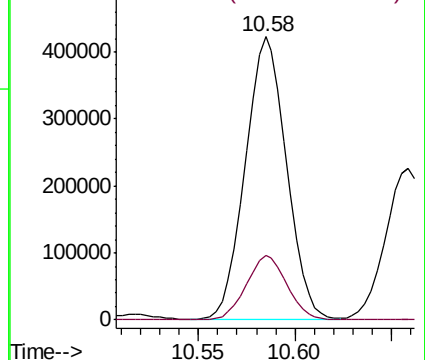
91 100

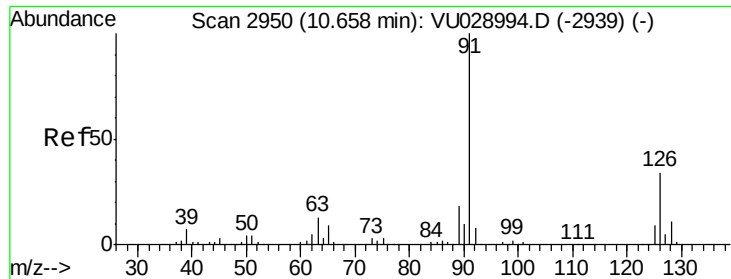
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

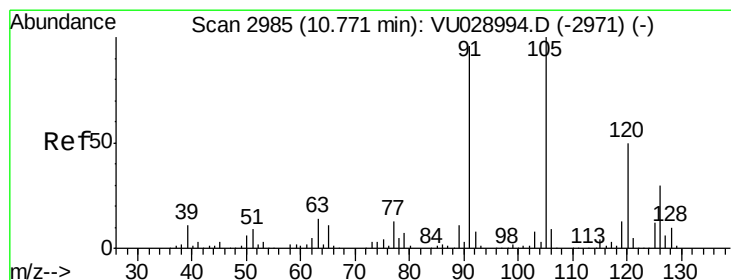
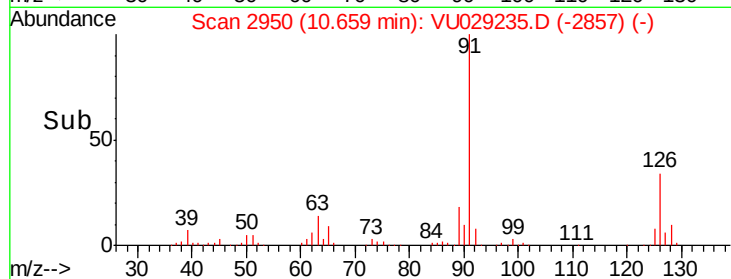
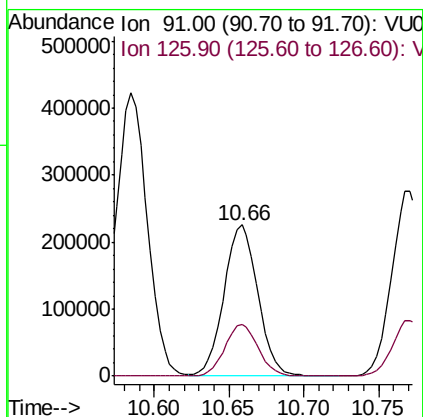
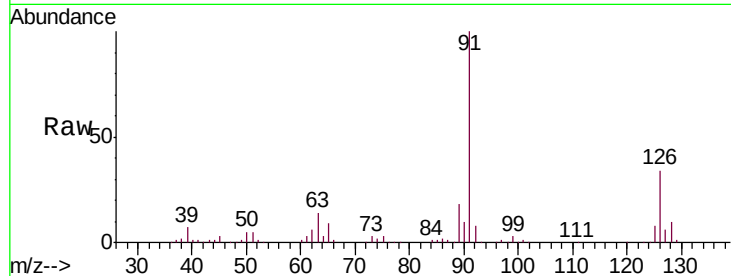




#79
 2-Chlorotoluene
 Concen: 46.415 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

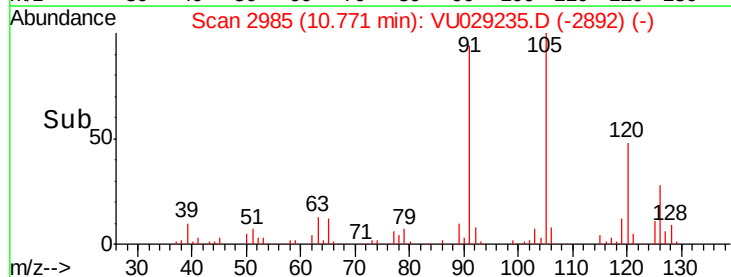
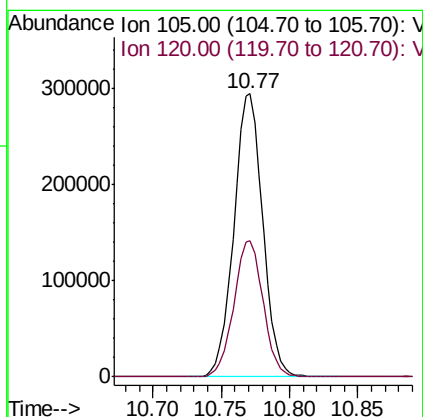
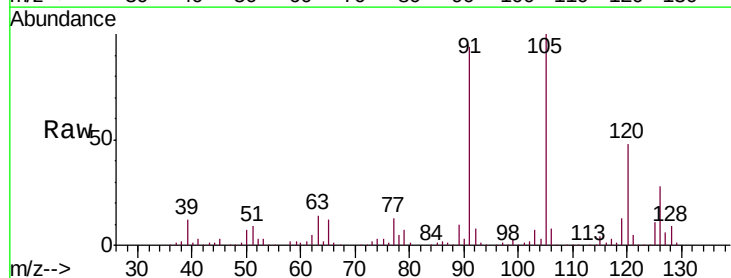
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

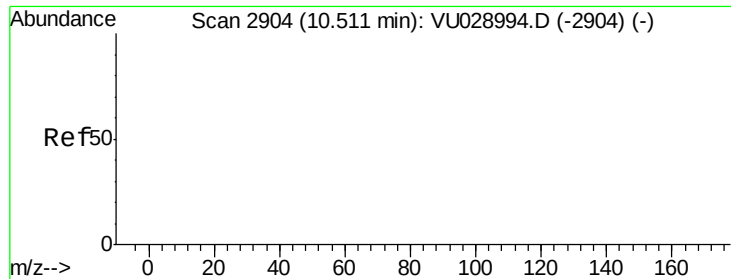
Tgt Ion: 91 Resp: 355455
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 48.252 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 105 Resp: 431648
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 173.393 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

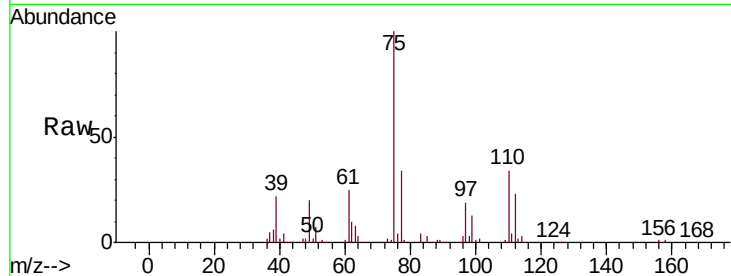
Tgt Ion: 75 Resp: 238408

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

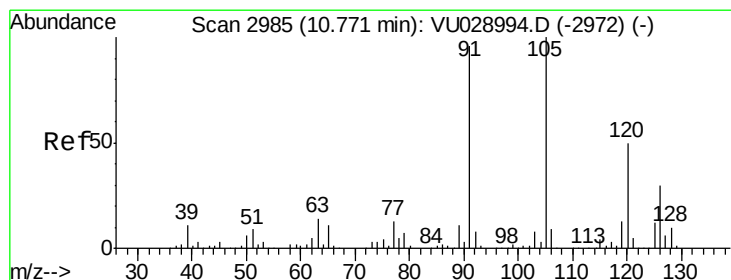
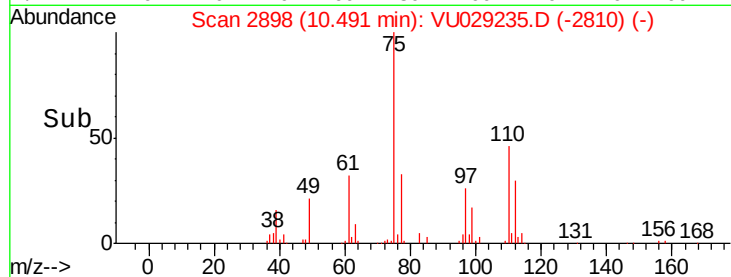
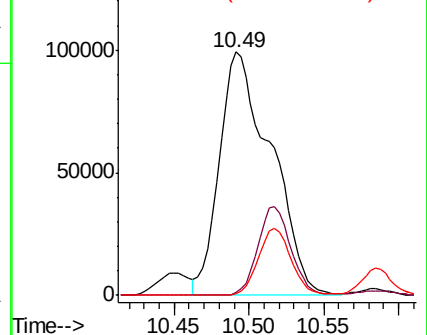
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 47.946 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029235.D

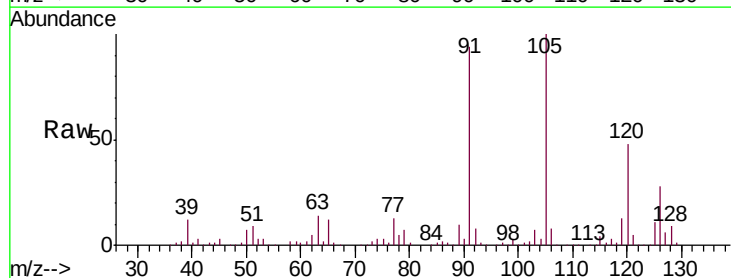
Acq: 21 Jan 2019 08:57

Tgt Ion: 91 Resp: 421032

Ion Ratio Lower Upper

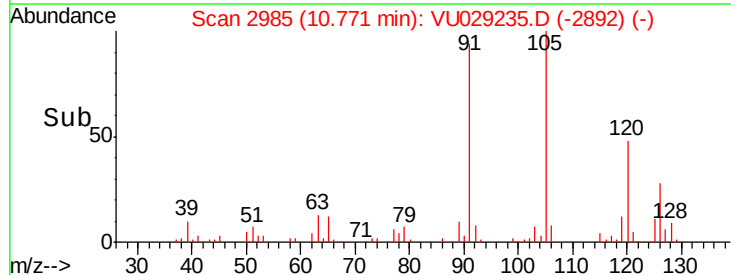
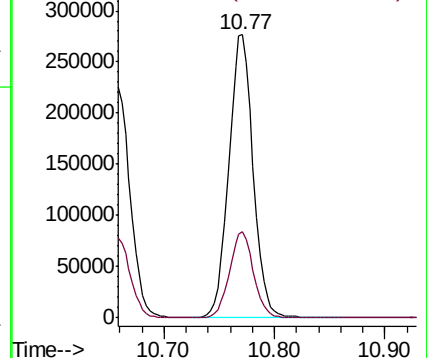
91 100

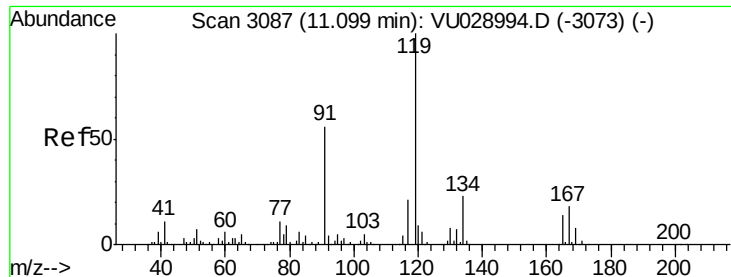
126 30.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

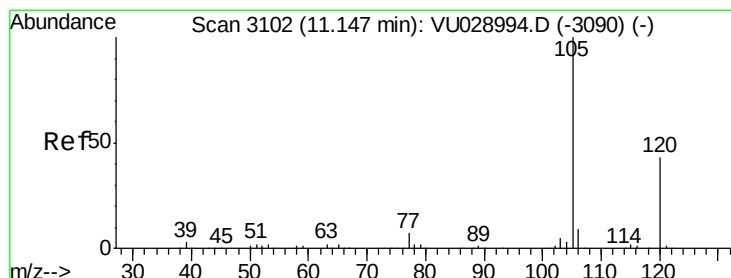
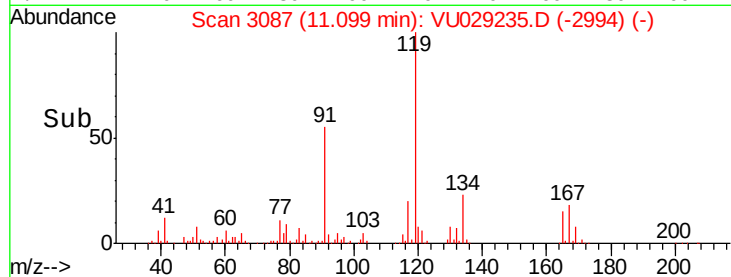
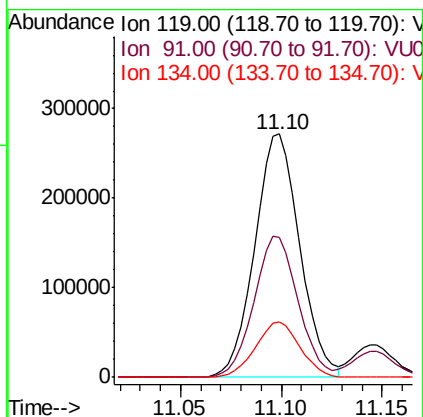
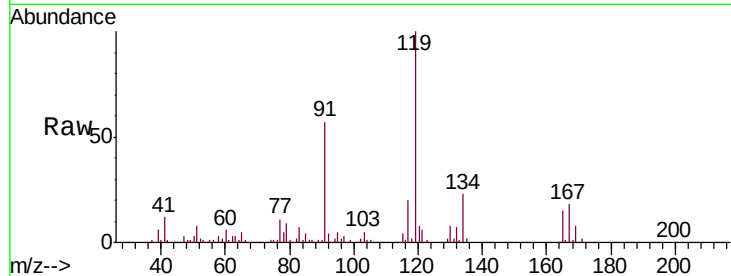




#83
 tert-Butylbenzene
 Concen: 47.963 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

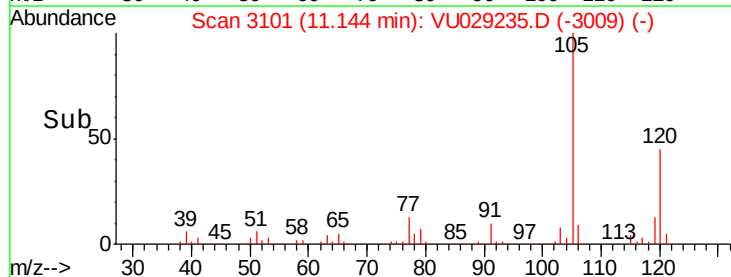
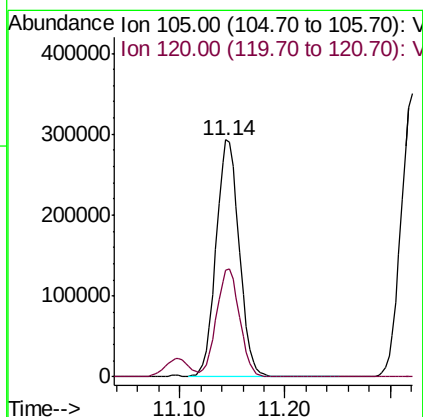
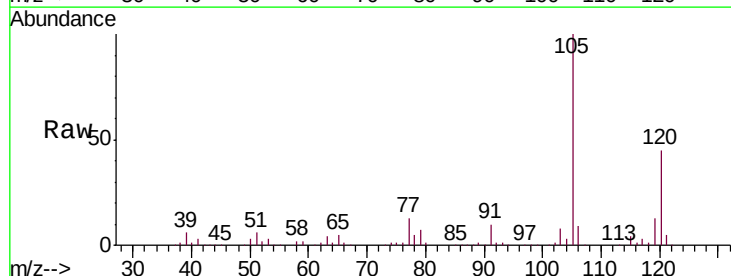
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

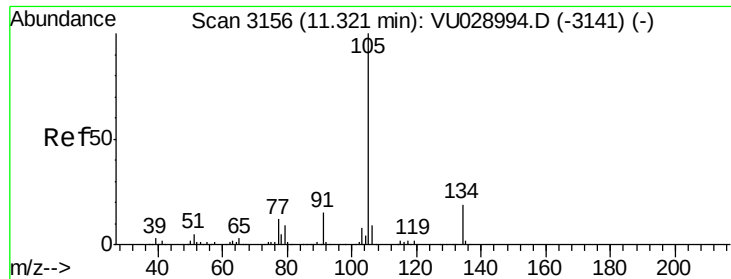
Tgt Ion:119 Resp: 422898
 Ion Ratio Lower Upper
 119 100
 91 56.8 28.2 84.6
 134 22.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 49.739 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion:105 Resp: 444243
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 50.666 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

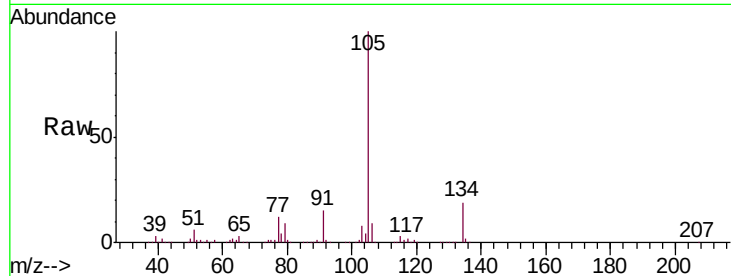
VSTDCCC050

Tgt Ion:105 Resp: 540272

Ion Ratio Lower Upper

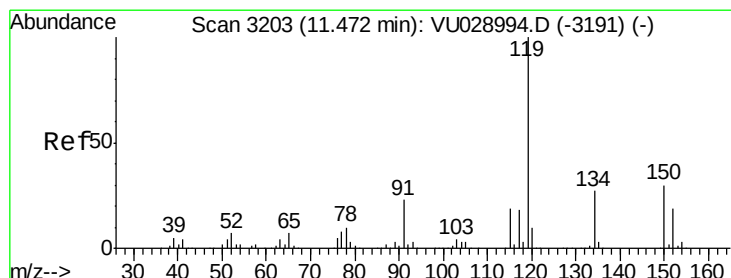
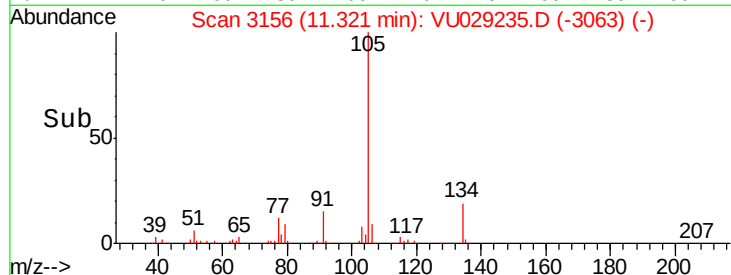
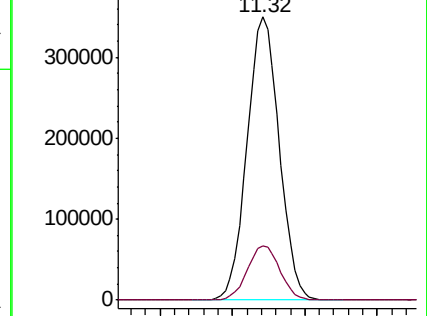
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.008 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029235.D

Acq: 21 Jan 2019 08:57

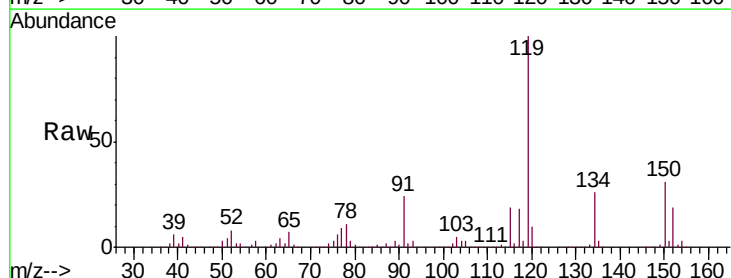
Tgt Ion:119 Resp: 472575

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

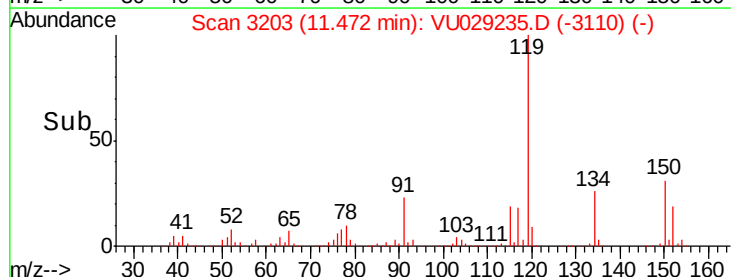
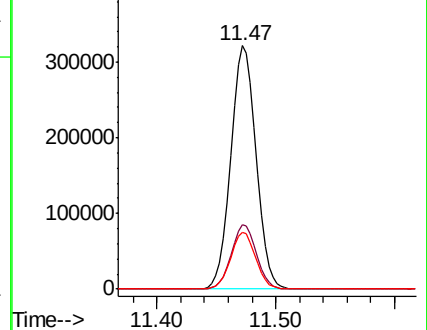
91 23.1 11.3 33.8

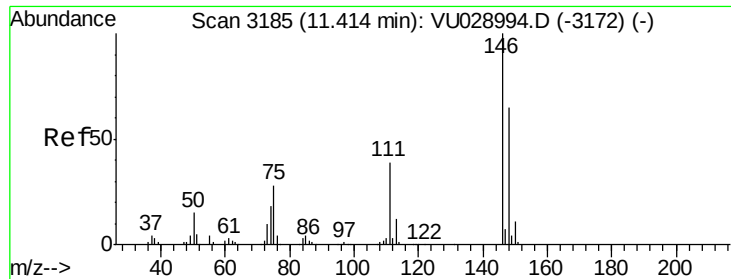


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

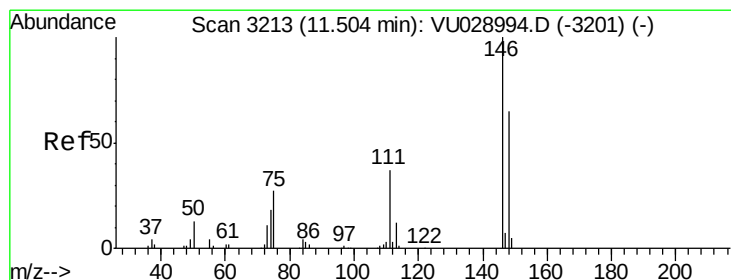
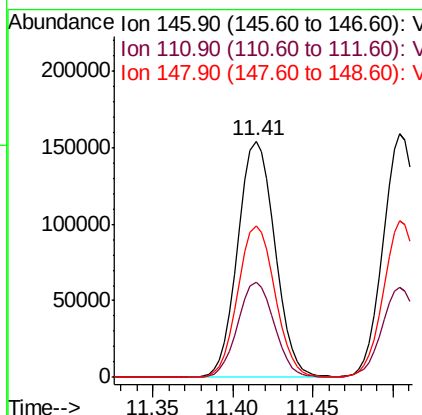
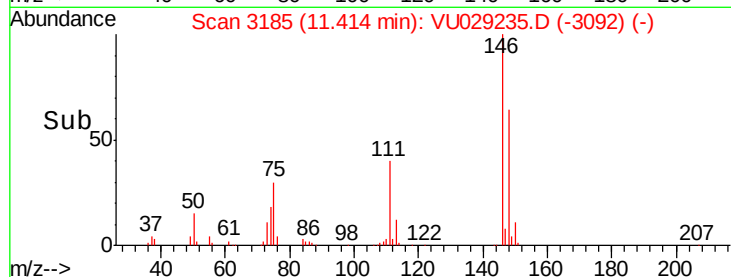
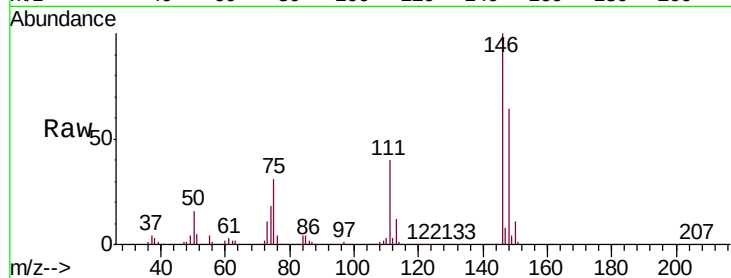




#87
 1,3-Dichlorobenzene
 Concen: 47.670 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

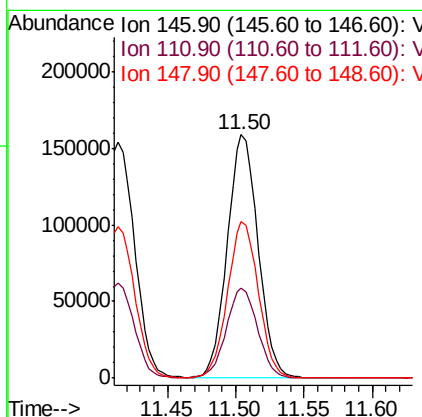
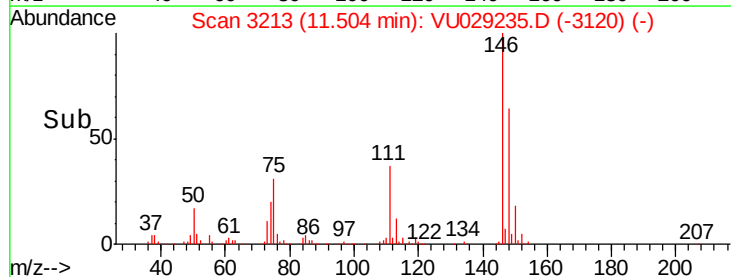
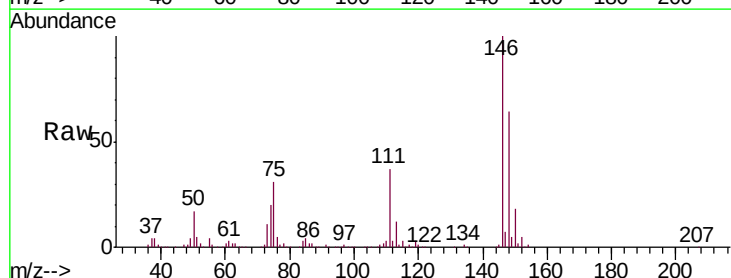
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

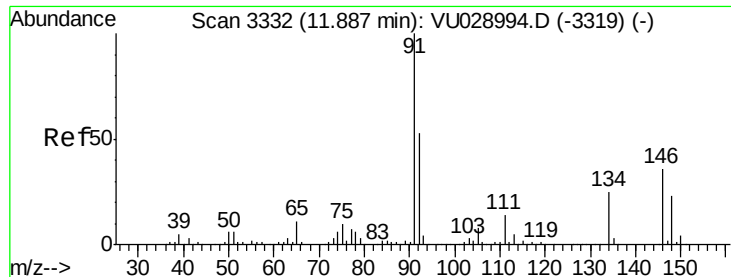
Tgt Ion:146 Resp: 244096
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.3 57.8
 148 64.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 47.083 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion:146 Resp: 248860
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.3
 148 64.2 32.6 98.0

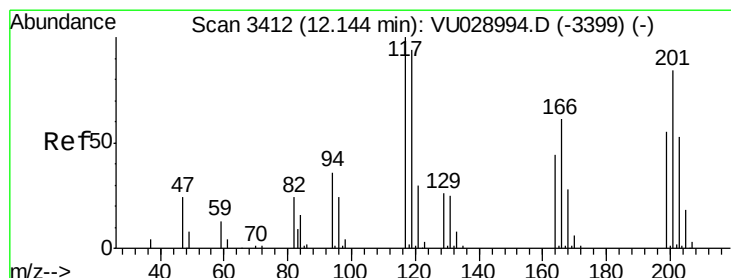
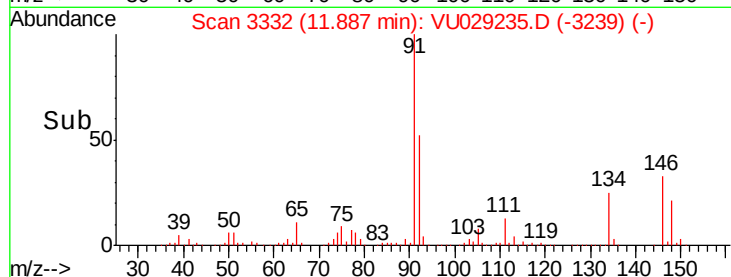
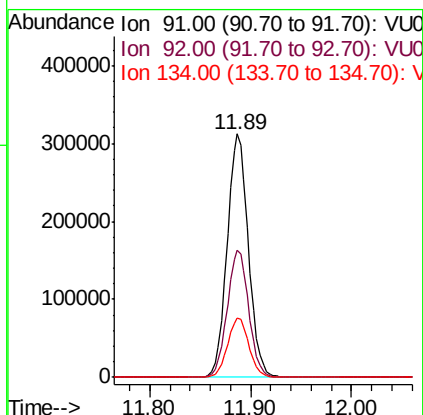
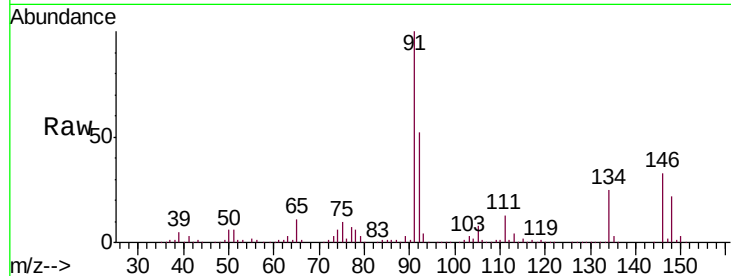




#89
n-Butylbenzene
Concen: 56.615 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

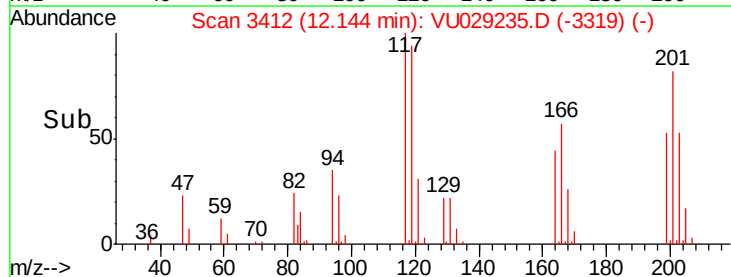
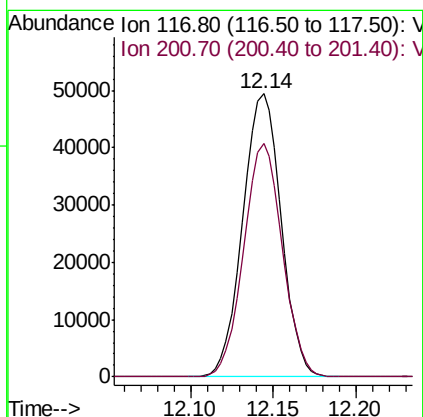
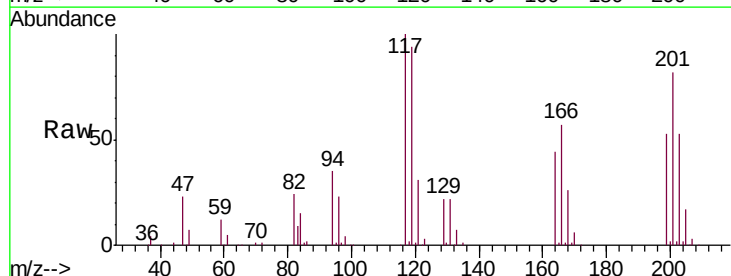
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

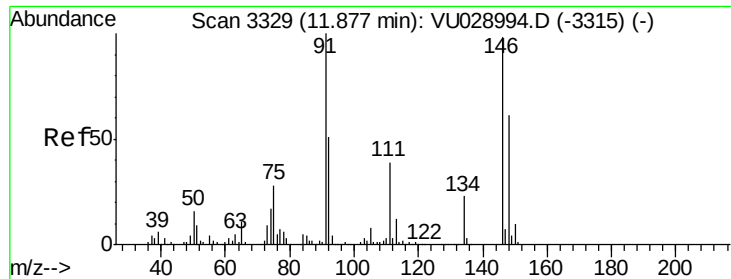
Tgt Ion: 91 Resp: 459152
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.5
134 24.7 12.6 37.6



#90
Hexachloroethane
Concen: 52.186 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion: 117 Resp: 79772
Ion Ratio Lower Upper
117 100
201 82.5 42.4 127.3

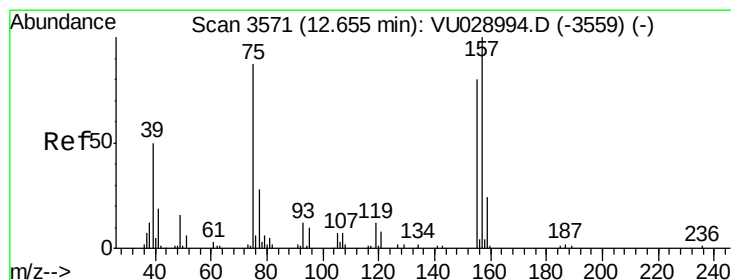
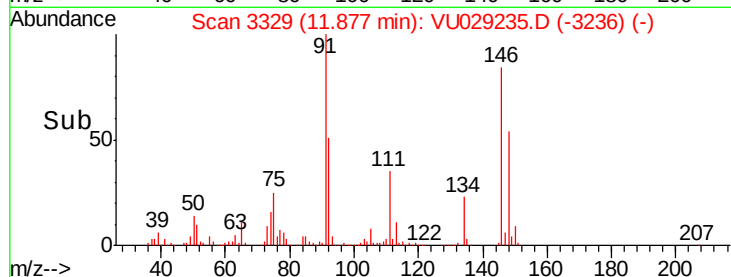
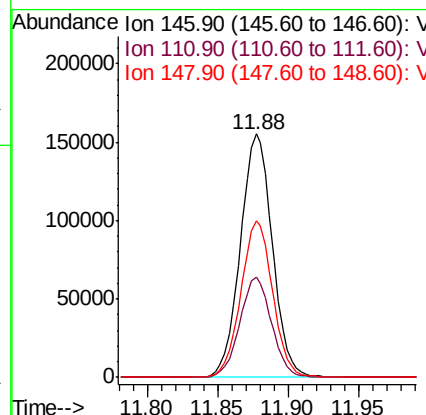
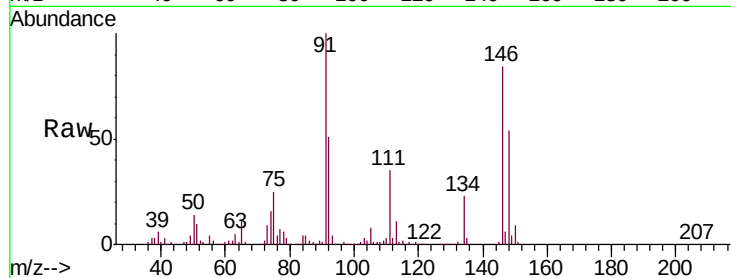




#91
 1,2-Dichlorobenzene
 Concen: 47.857 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

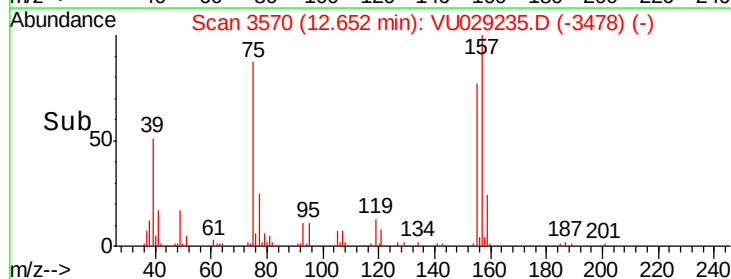
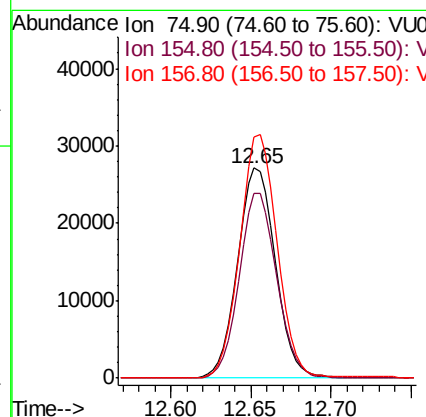
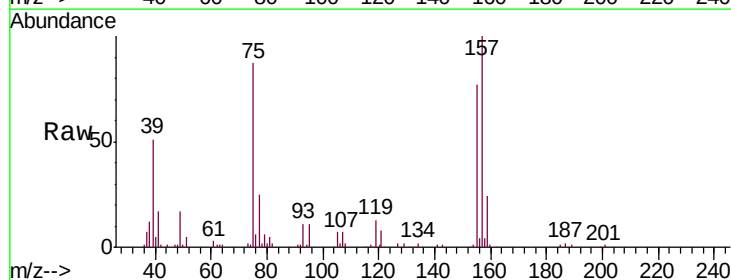
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

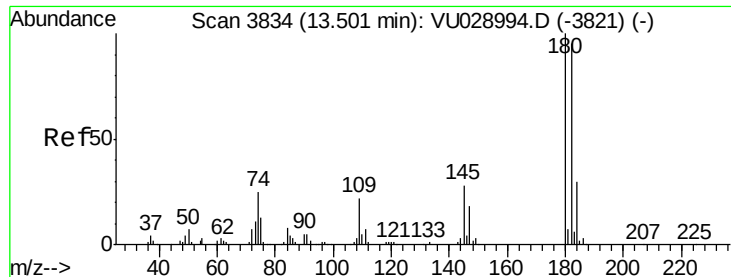
Tgt Ion: 146 Resp: 246826
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 63.8 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.057 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion: 75 Resp: 43813
 Ion Ratio Lower Upper
 75 100
 155 86.8 46.3 138.8
 157 113.9 57.4 172.0

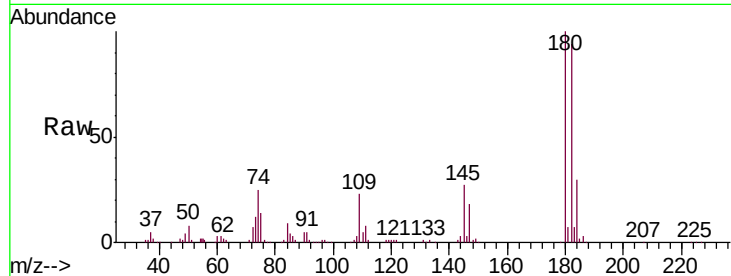




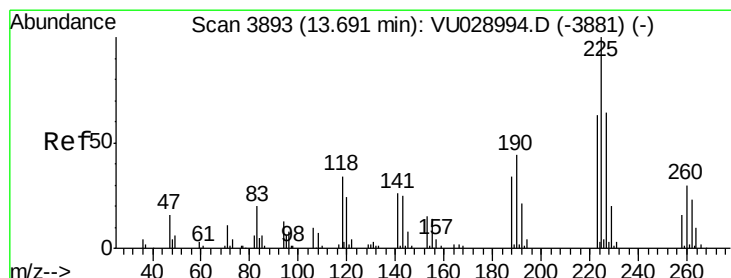
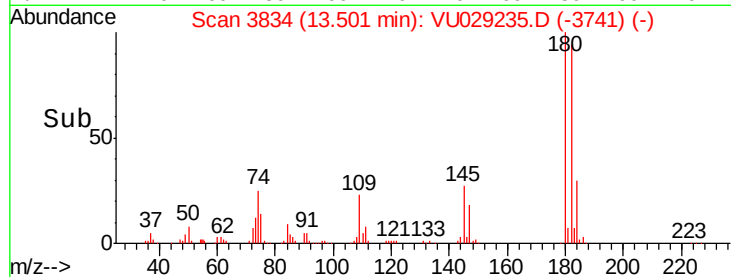
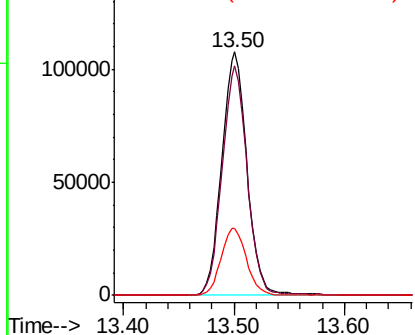
#93
 1,2,4-Trichlorobenzene
 Concen: 51.866 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 170758
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.5 142.6
 145 27.8 14.0 42.0

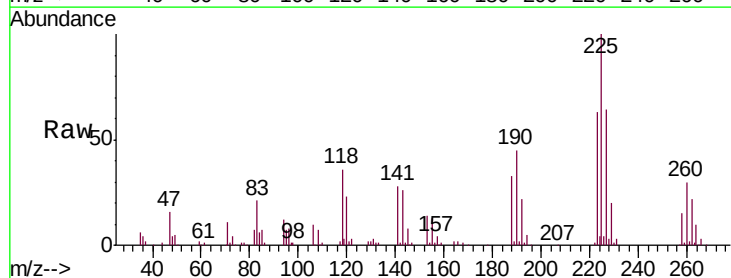


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

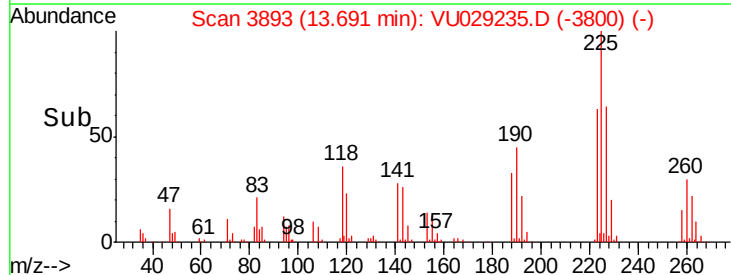
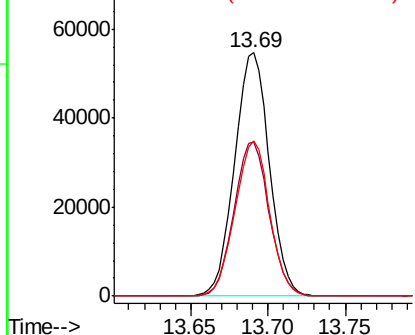


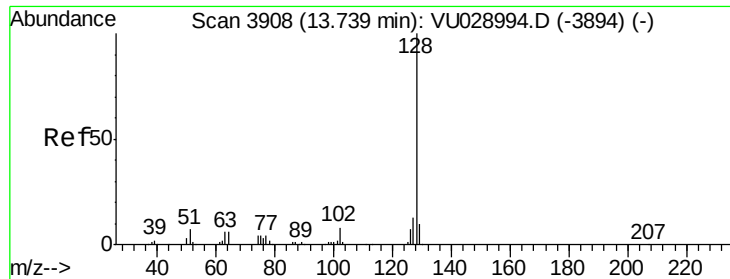
#94
 Hexachlorobutadiene
 Concen: 56.539 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029235.D
 Acq: 21 Jan 2019 08:57

Tgt Ion:225 Resp: 85142
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.4 94.0
 227 63.6 31.9 95.5



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

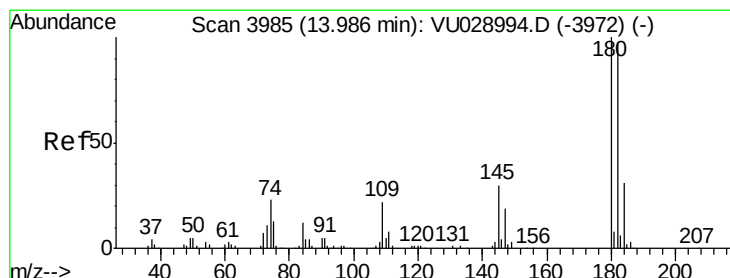
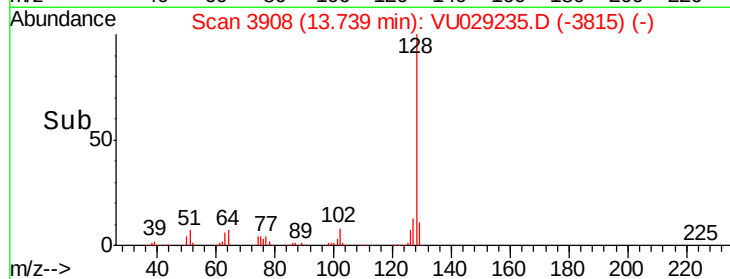
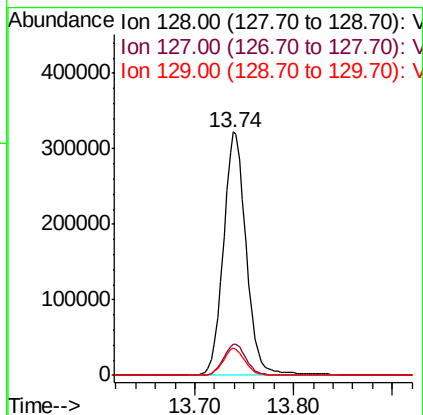
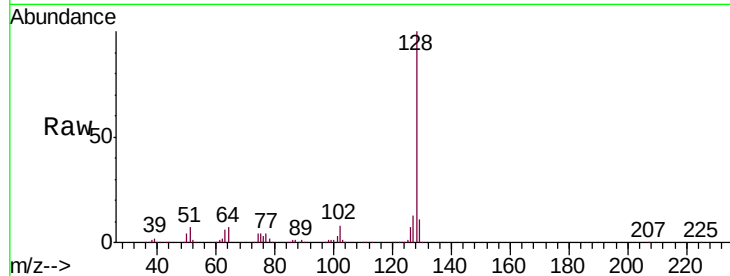




#95
Naphthalene
Concen: 46.697 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 523002
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 49.991 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029235.D
Acq: 21 Jan 2019 08:57

Tgt Ion:180 Resp: 169435
Ion Ratio Lower Upper
180 100
182 94.9 48.1 144.3
145 29.1 14.8 44.4

