

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028577.D
 Acq On : 11 Dec 2018 02:27
 Operator : MD/SY
 Sample : VU1211WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Quant Time: Dec 11 03:26:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67782	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	4.88	113	48196	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	7.57	98	189217	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	10.30	95	68027	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	22349	20.497	ug/l 98
3) Chloromethane	1.33	50	41034	20.470	ug/l 98
4) Vinyl Chloride	1.40	62	29705	20.533	ug/l 100
5) Bromomethane	1.61	94	12094	20.753	ug/l 98
6) Chloroethane	1.69	64	17184	20.982	ug/l 100
7) Trichlorofluoromethane	1.88	101	31578	20.747	ug/l 98
8) Diethyl Ether	2.10	74	13976	19.626	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	18096	19.879	ug/l 98
10) Methyl Iodide	2.41	142	16802	23.523	ug/l 99
11) Tert butyl alcohol	2.83	59	33368	120.642	ug/l 100
12) 1,1-Dichloroethene	2.28	96	17844	19.701	ug/l 96
13) Acrolein	2.19	56	24376	110.552	ug/l 96
14) Allyl chloride	2.59	41	43318	20.217	ug/l 98
15) Acrylonitrile	2.94	53	86709	112.918	ug/l 99
16) Acetone	2.32	43	71690	88.496	ug/l 100
17) Carbon Disulfide	2.48	76	65507	20.076	ug/l 99
18) Methyl Acetate	2.62	43	50344	23.974	ug/l 96
19) Methyl tert-butyl Ether	3.00	73	71564	20.843	ug/l 99
20) Methylene Chloride	2.70	84	23362	19.563	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	20428	20.032	ug/l 97
22) Diisopropyl ether	3.57	45	90694	21.766	ug/l 99
23) Vinyl Acetate	3.52	43	368913	107.339	ug/l 99
24) 1,1-Dichloroethane	3.44	63	45647	20.928	ug/l 99
25) 2-Butanone	4.26	43	120457	108.806	ug/l 98
26) 2,2-Dichloropropane	4.23	77	29288	16.947	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	23828	20.644	ug/l 99
28) Bromochloromethane	4.55	49	25273	25.489	ug/l 95
29) Tetrahydrofuran	4.64	42	84197	118.419	ug/l 97
30) Chloroform	4.67	83	40250	21.173	ug/l 98
31) Cyclohexane	4.99	56	45809	20.824	ug/l 98
32) 1,1,1-Trichloroethane	4.91	97	32693	20.707	ug/l 97
36) 1,1-Dichloropropene	5.13	75	30983	19.391	ug/l 100
37) Ethyl Acetate	4.38	43	45050	21.810	ug/l 98
38) Carbon Tetrachloride	5.13	117	26190	20.336	ug/l 98

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Quant Time: Dec 11 03:26:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	35610	18.268	ug/l	97
40) Benzene	5.39	78	95498	20.293	ug/l	98
41) Methacrylonitrile	4.54	41	25013	22.112	ug/l	98
42) 1,2-Dichloroethane	5.40	62	34102	20.702	ug/l	97
43) Isopropyl Acetate	5.55	43	71171	21.784	ug/l	98
44) Trichloroethene	6.19	130	20709	19.791	ug/l	95
45) 1,2-Dichloropropane	6.43	63	28225	21.328	ug/l	97
46) Dibromomethane	6.56	93	15901	20.251	ug/l	98
47) Bromodichloromethane	6.76	83	30799	20.157	ug/l	100
48) Methyl methacrylate	6.62	41	35550	21.881	ug/l	97
49) 1,4-Dioxane	6.61	88	13153	512.712	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	226676	110.006	ug/l	98
52) Toluene	7.64	92	55506	20.041	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	35178	19.331	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	38651	19.577	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	22617	20.659	ug/l	98
56) Ethyl methacrylate	8.02	69	38547	20.561	ug/l	97
57) 1,3-Dichloropropane	8.24	76	41200	20.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	94189	98.086	ug/l	98
59) 2-Hexanone	8.36	43	176192	107.880	ug/l	99
60) Dibromochloromethane	8.48	129	21342	19.911	ug/l	96
61) 1,2-Dibromoethane	8.58	107	23543	20.507	ug/l	100
64) Tetrachloroethene	8.22	164	18837	21.065	ug/l	95
65) Chlorobenzene	9.12	112	56502	19.778	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	19229	21.079	ug/l	100
67) Ethyl Benzene	9.25	91	105495	20.088	ug/l	99
68) m/p-Xylenes	9.37	106	74880	39.185	ug/l	98
69) o-Xylene	9.78	106	37453	20.168	ug/l	99
70) Styrene	9.79	104	60198	19.588	ug/l	99
71) Bromoform	9.96	173	16223	20.905	ug/l #	99
73) Isopropylbenzene	10.16	105	98718	20.400	ug/l	99
74) N-amyl acetate	10.01	43	60563	21.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	42011	22.600	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	48583	30.170	ug/l	82
77) Bromobenzene	10.45	156	23439	20.711	ug/l	99
78) n-propylbenzene	10.58	91	118008	19.626	ug/l	100
79) 2-Chlorotoluene	10.66	91	72703	20.991	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	82927	20.703	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	48583	73.924	ug/l #	100
82) 4-Chlorotoluene	10.77	91	81383	19.828	ug/l	99
83) tert-Butylbenzene	11.10	119	78635	20.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	84123	20.378	ug/l	100
85) sec-Butylbenzene	11.32	105	99147	19.989	ug/l	99
86) p-Isopropyltoluene	11.48	119	81496	19.342	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	41261	19.308	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	41716	18.868	ug/l	97
89) n-Butylbenzene	11.89	91	75430	17.690	ug/l	100
90) Hexachloroethane	12.14	117	11709	18.386	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	42701	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8626	21.434	ug/l	99

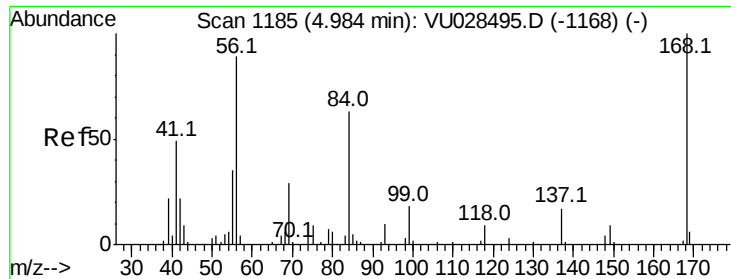
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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Quant Time: Dec 11 03:26:31 2018
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	25153	17.679	ug/l	99
94) Hexachlorobutadiene	13.69	225	12031	17.182	ug/l	96
95) Naphthalene	13.74	128	88270	17.209	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26215	18.026	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

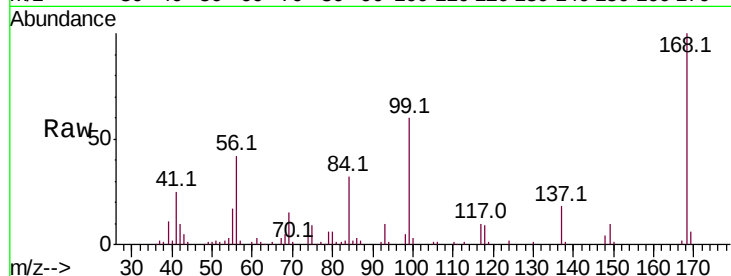
VU1211WBS02

Tot Ion:168 Resp: 81349

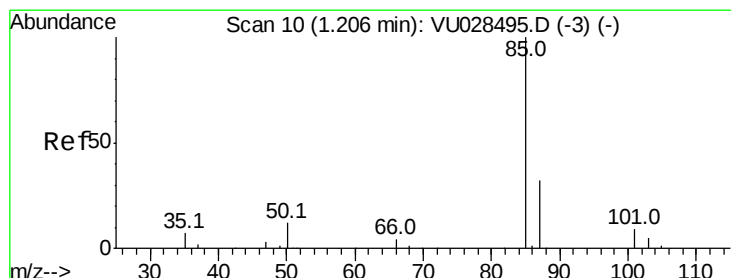
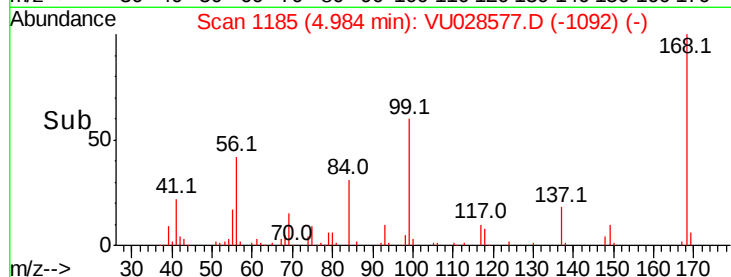
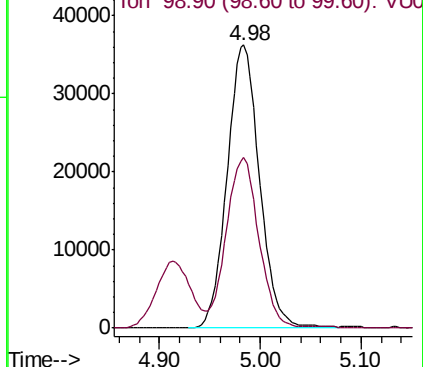
Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 20.497 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028577.D

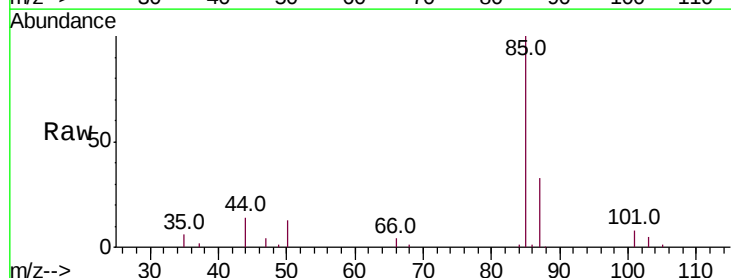
Acq: 11 Dec 2018 02:27

Tgt Ion: 85 Resp: 22349

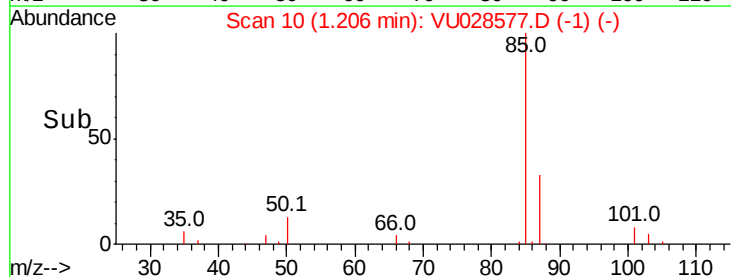
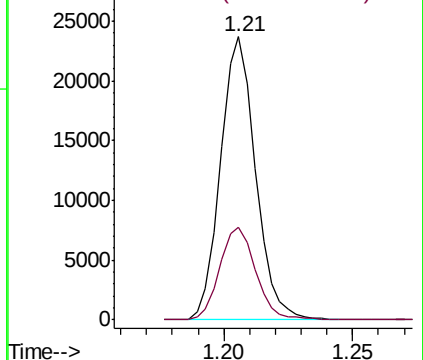
Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 20.470 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

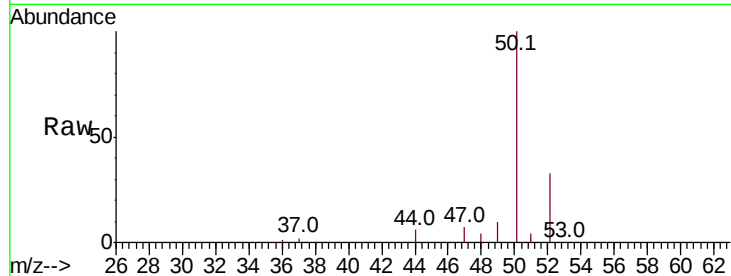
VU1211WBS02

Tot Ion: 50 Resp: 41034

Ion Ratio Lower Upper

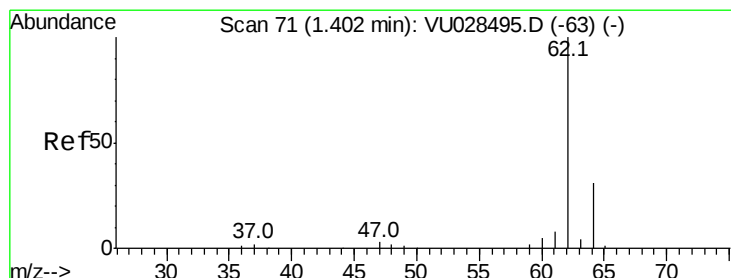
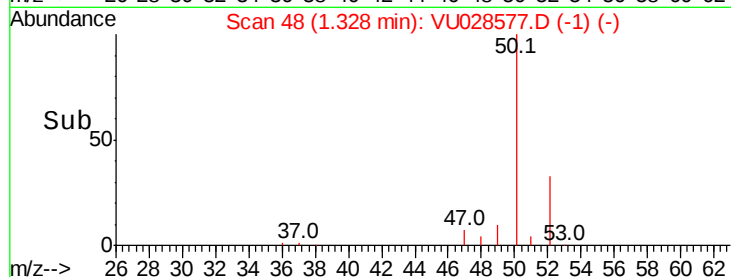
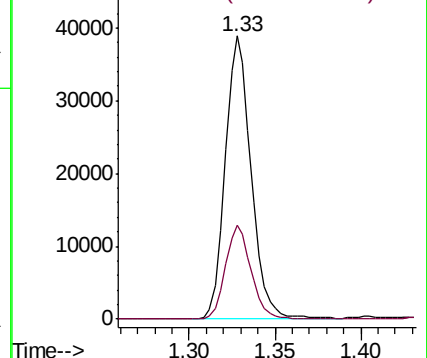
50 100

52 33.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.533 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028577.D

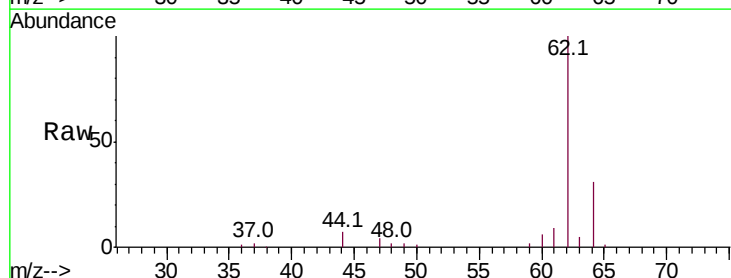
Acq: 11 Dec 2018 02:27

Tgt Ion: 62 Resp: 29705

Ion Ratio Lower Upper

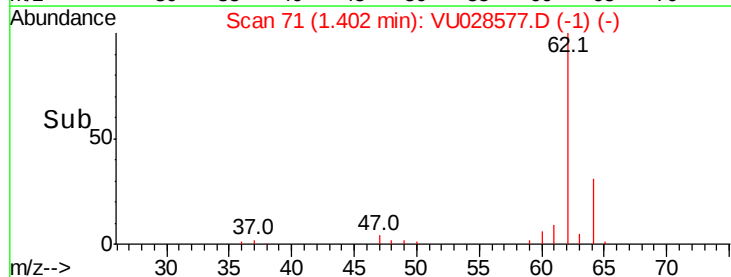
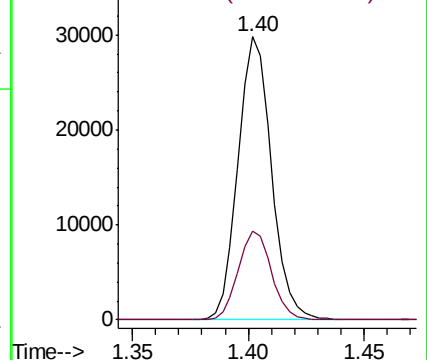
62 100

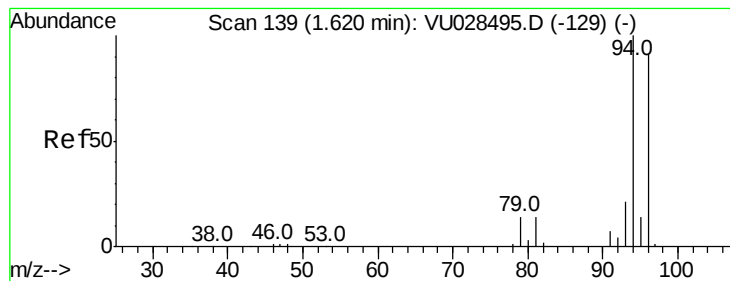
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.753 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

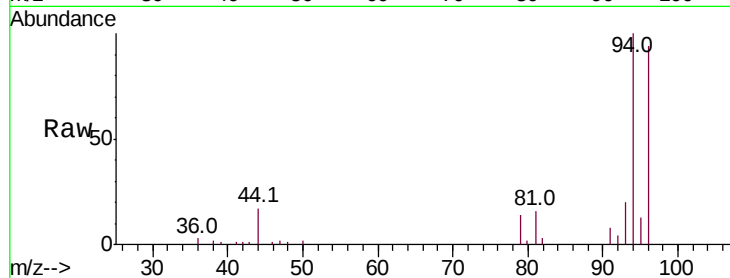
VU1211WBS02

Tot Ion: 94 Resp: 12094

Ion Ratio Lower Upper

94 100

96 93.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

6000

4000

2000

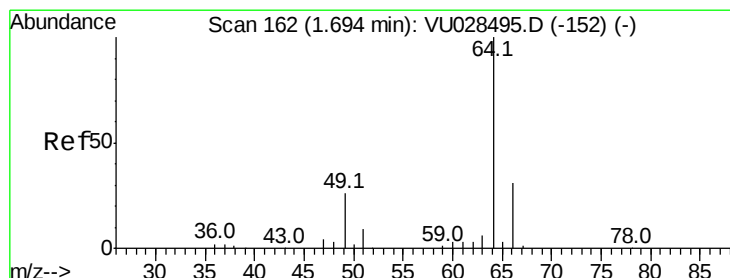
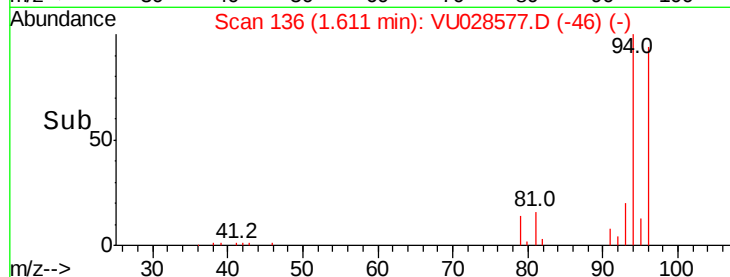
0

1.61

1.60

1.65

Time-->



#6

Chloroethane

Concen: 20.982 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028577.D

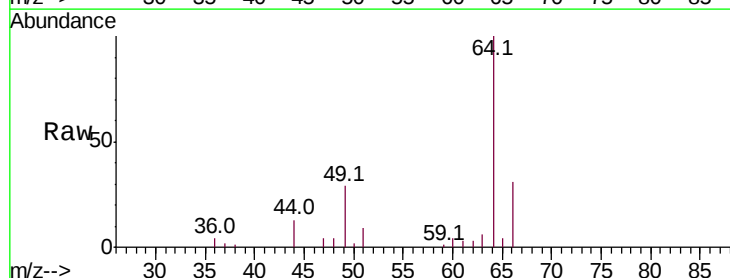
Acq: 11 Dec 2018 02:27

Tgt Ion: 64 Resp: 17184

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

10000

5000

0

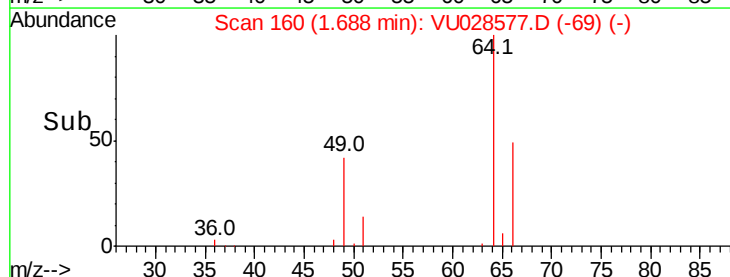
1.69

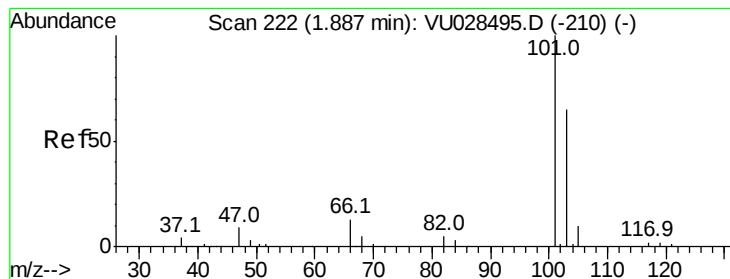
1.65

1.70

1.75

Time-->



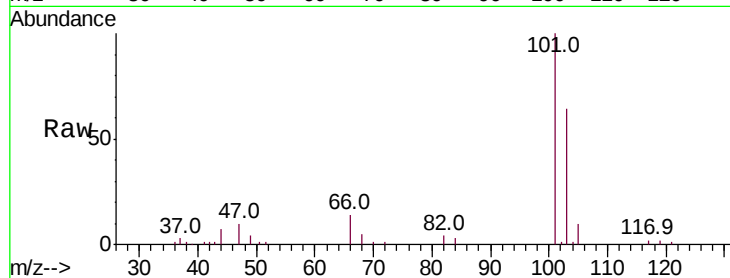


#7

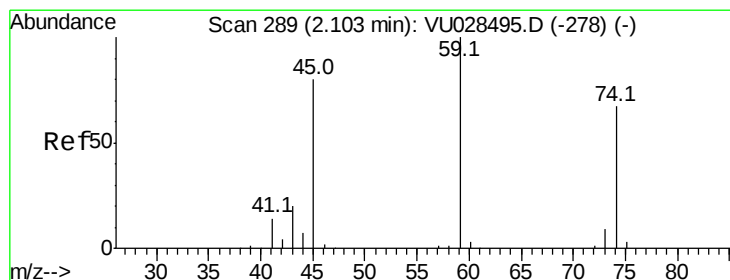
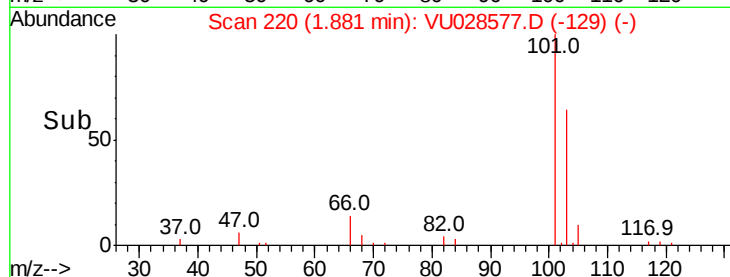
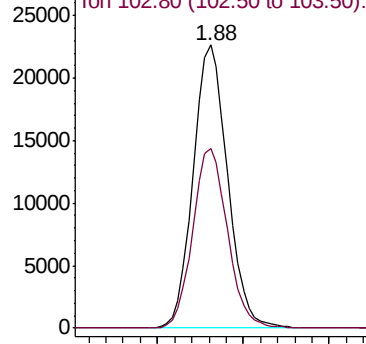
Trichlorofluoromethane
Concen: 20.747 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:101 Resp: 31578
Ion Ratio Lower Upper
101 100
103 63.7 52.3 78.5



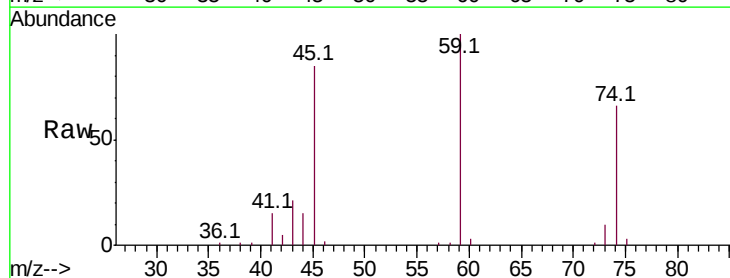
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



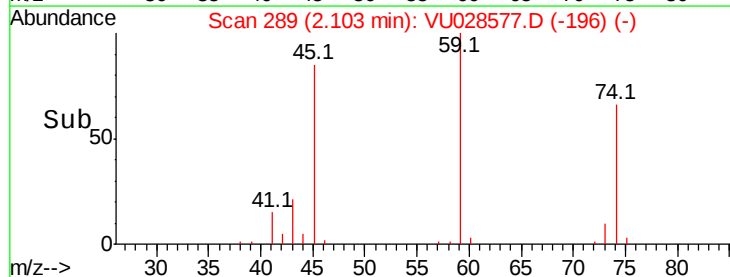
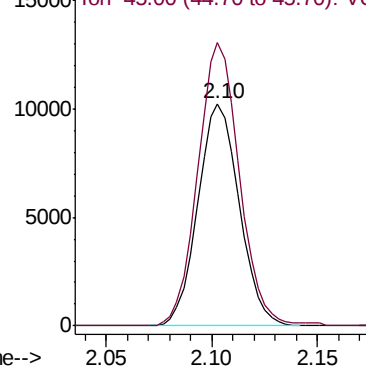
#8

Diethyl Ether
Concen: 19.626 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 74 Resp: 13976
Ion Ratio Lower Upper
74 100
45 128.1 59.7 179.0



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: 19.879 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

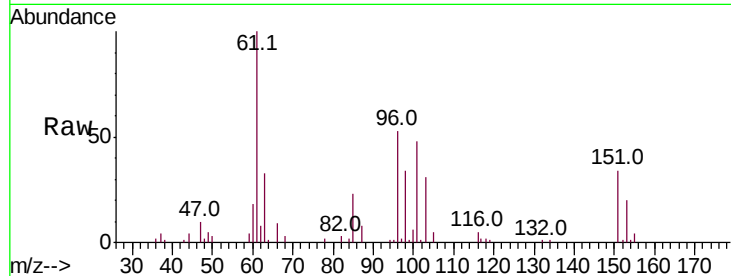
Tot Ion:101 Resp: 18096

Ion Ratio Lower Upper

101 100

85 46.7 36.4 54.6

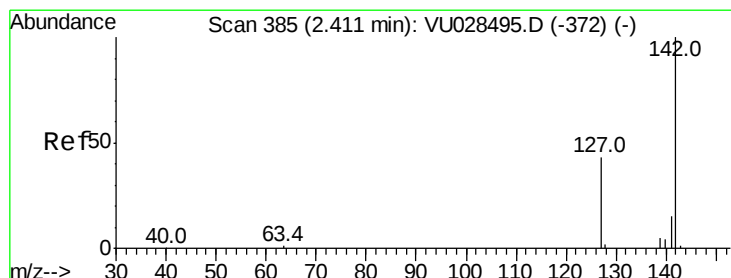
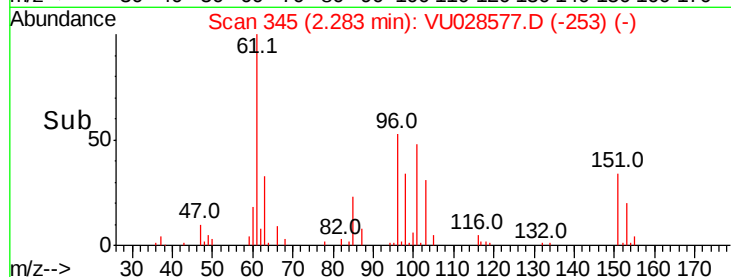
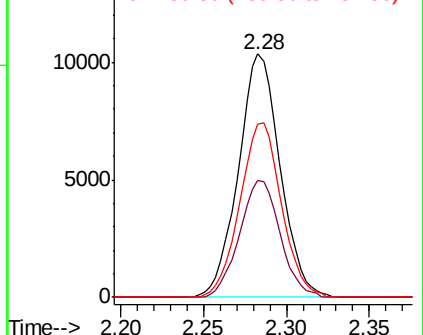
151 71.3 58.2 87.2



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: 23.523 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

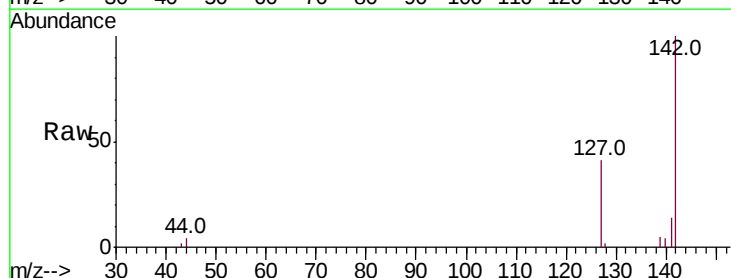
Tgt Ion:142 Resp: 16802

Ion Ratio Lower Upper

142 100

127 42.9 33.5 50.3

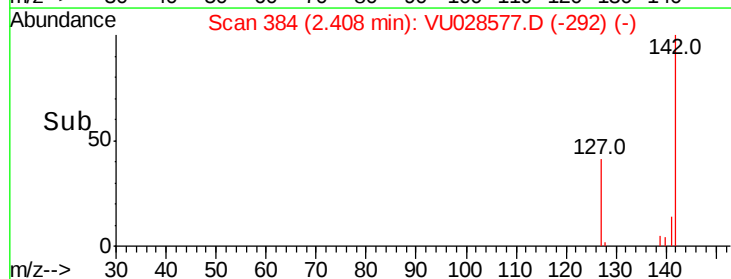
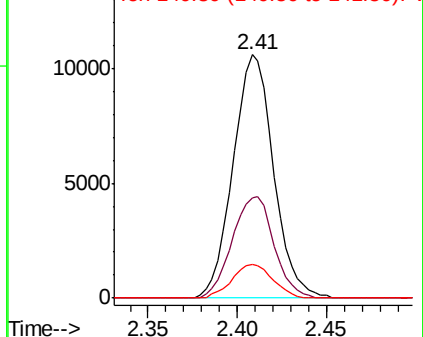
141 13.9 11.2 16.8



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



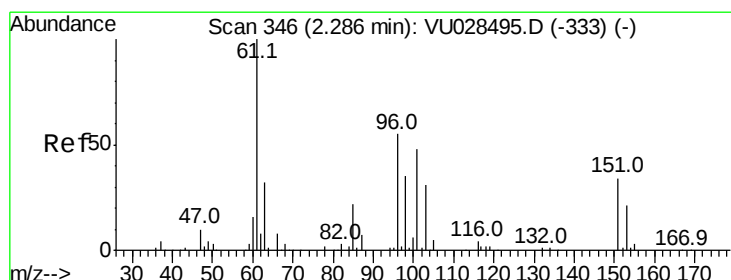
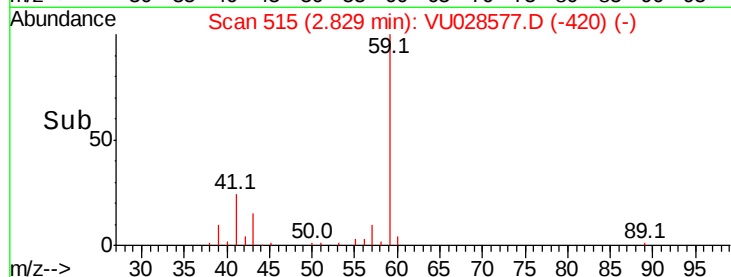
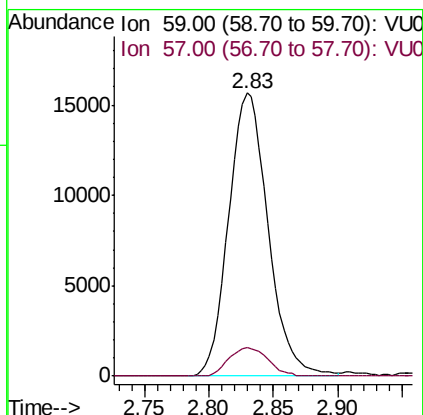
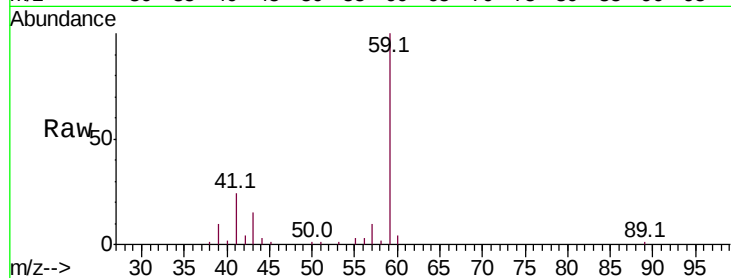


#11

Tert butyl alcohol
 Concen: 120.642 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

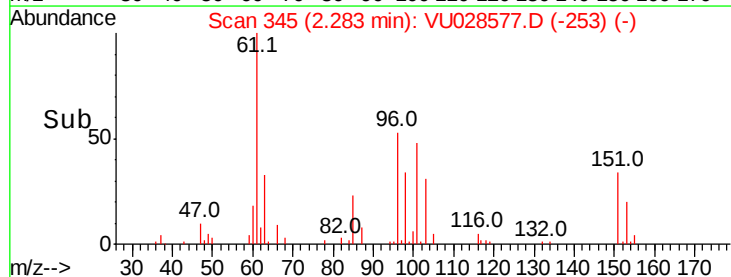
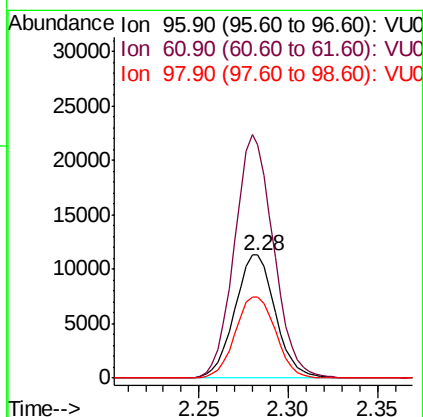
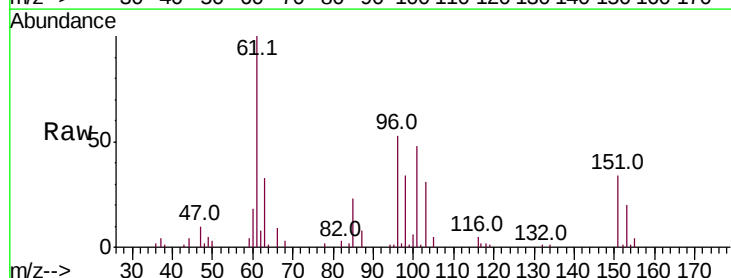
Tot Ion: 59 Resp: 33368
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

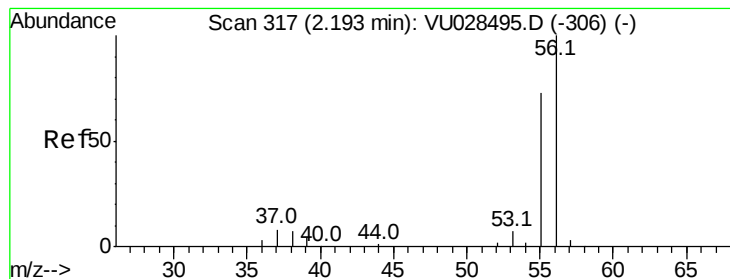


#12

1,1-Dichloroethene
 Concen: 19.701 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 96 Resp: 17844
 Ion Ratio Lower Upper
 96 100
 61 189.9 146.4 219.6
 98 65.5 51.8 77.8





#13

Acrolein

Concen: 110.552 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

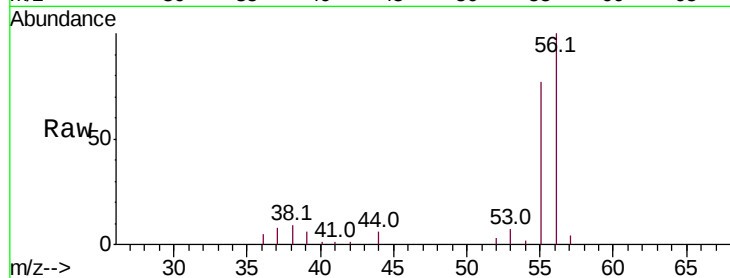
VU1211WBS02

Tot Ion: 56 Resp: 24376

Ion Ratio Lower Upper

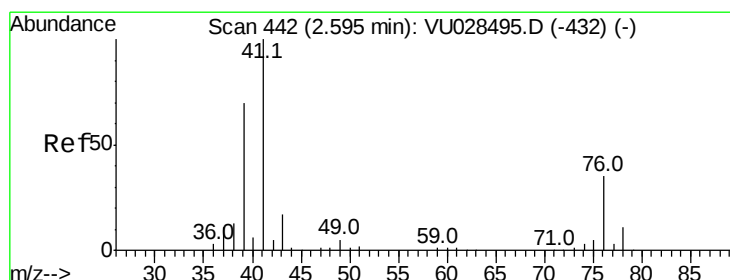
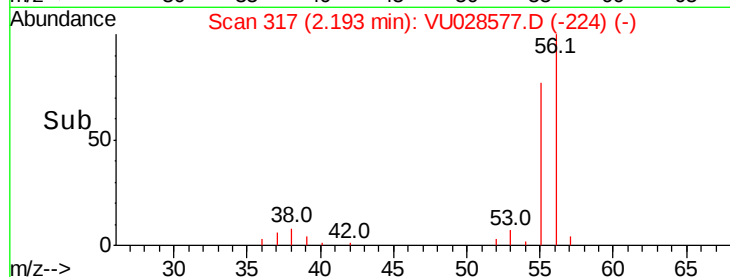
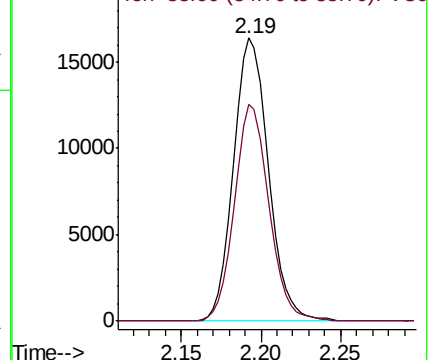
56 100

55 75.4 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 20.217 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

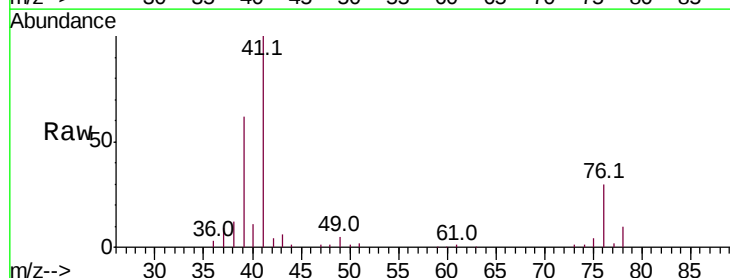
Tgt Ion: 41 Resp: 43318

Ion Ratio Lower Upper

41 100

39 64.2 50.8 76.2

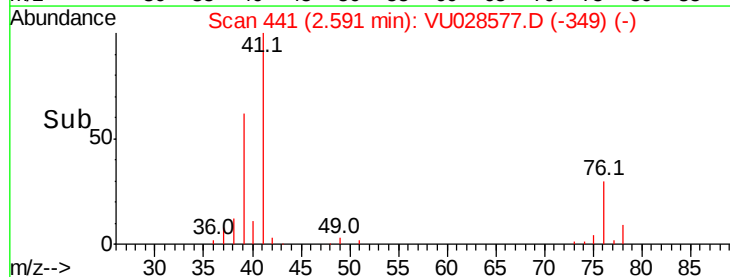
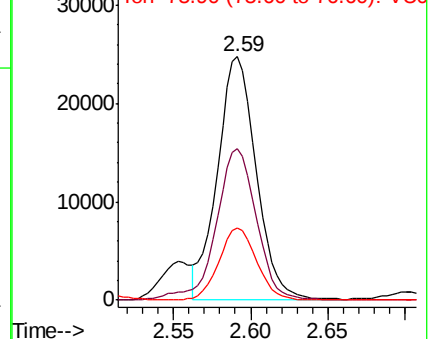
76 28.4 24.8 37.2

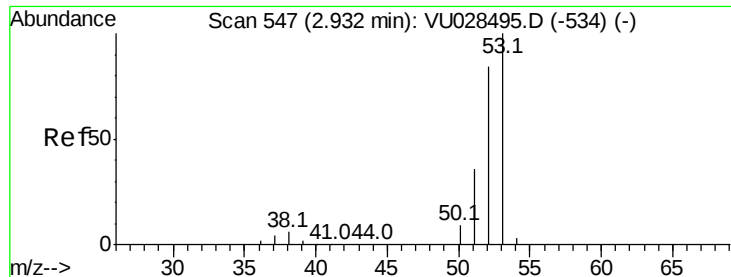


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 112.918 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

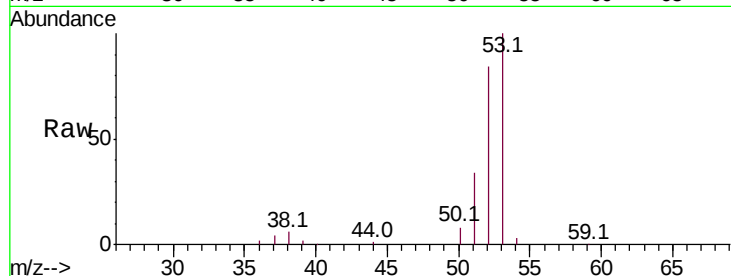
Tot Ion: 53 Resp: 86709

Ion Ratio Lower Upper

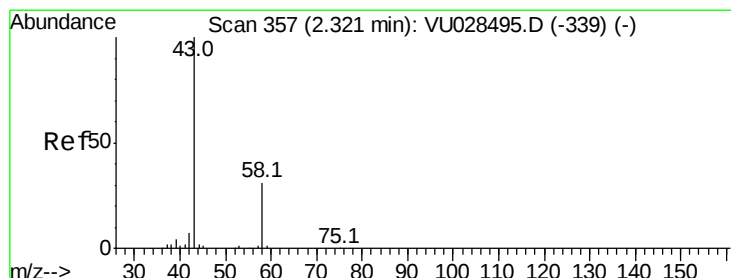
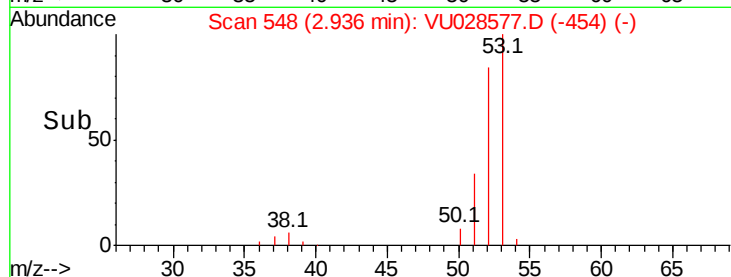
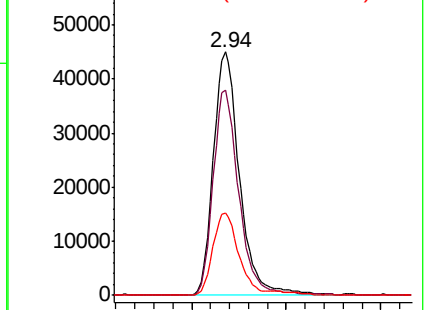
53 100

52 82.6 66.1 99.1

51 33.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 88.496 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028577.D

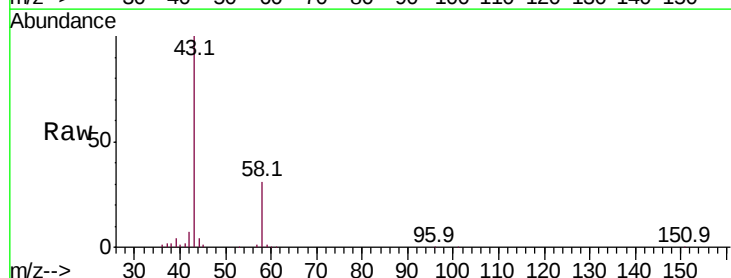
Acq: 11 Dec 2018 02:27

Tgt Ion: 43 Resp: 71690

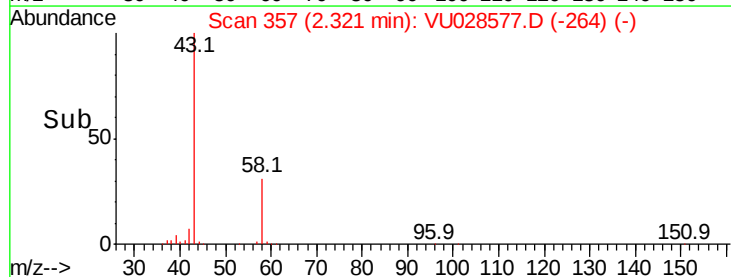
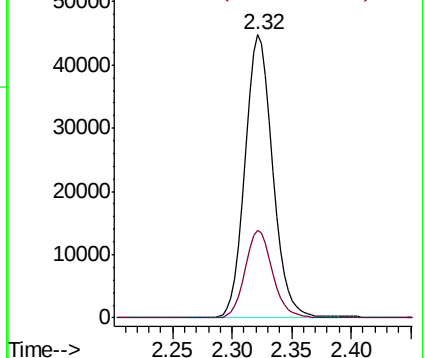
Ion Ratio Lower Upper

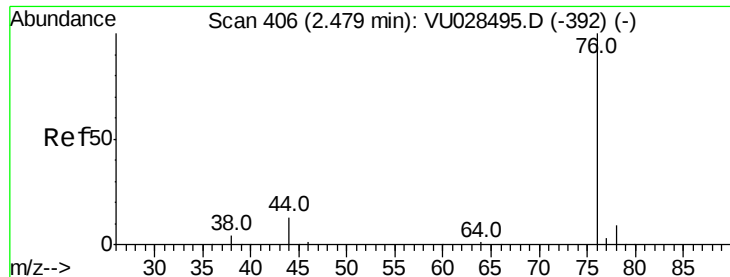
43 100

58 31.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

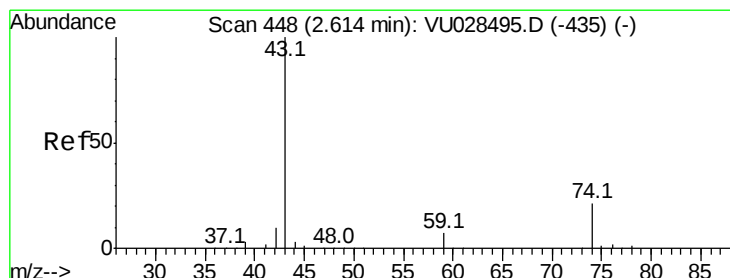
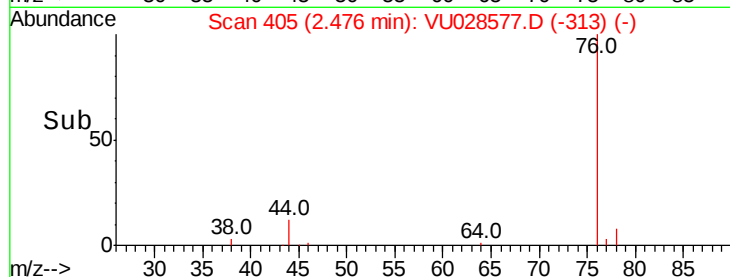
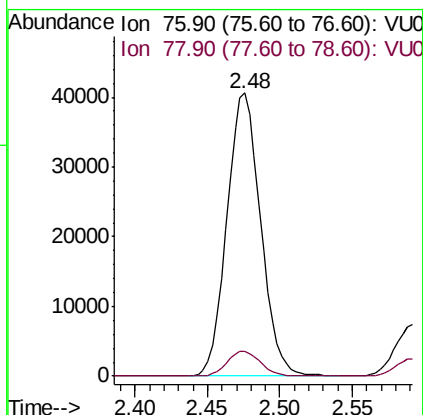
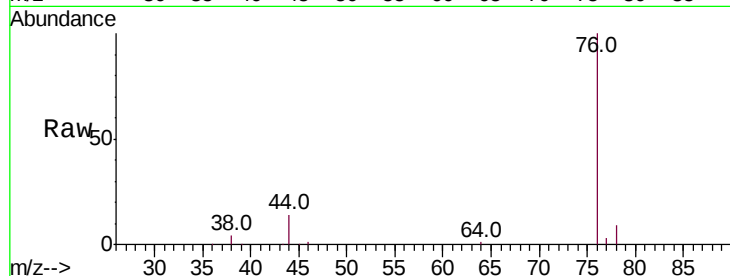




#17
Carbon Disulfide
Concen: 20.076 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

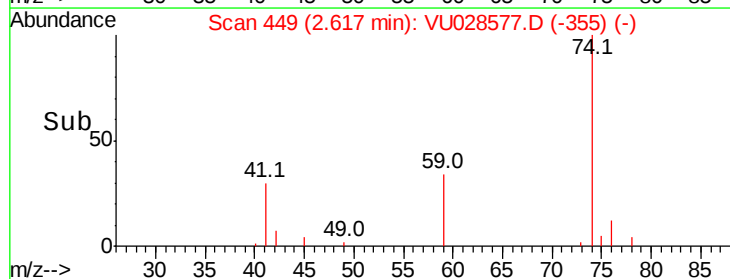
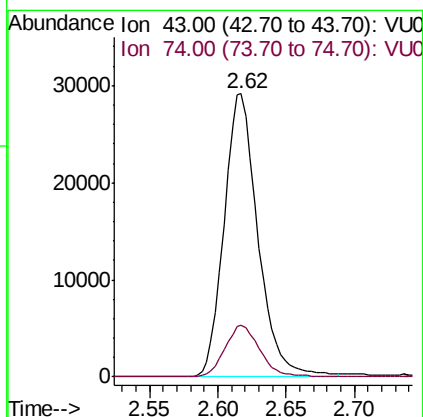
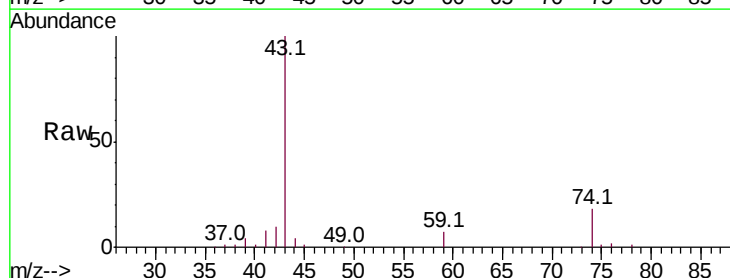
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

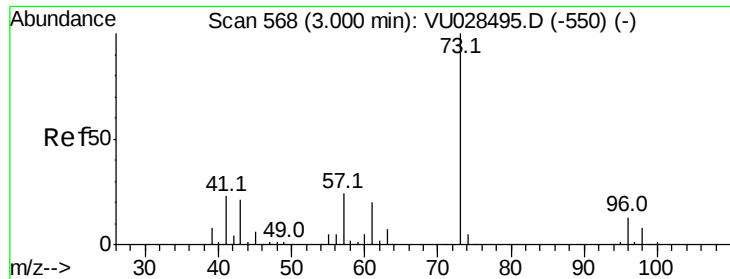
Tot Ion: 76 Resp: 65507
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 23.974 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 43 Resp: 50344
Ion Ratio Lower Upper
43 100
74 18.7 16.4 24.6

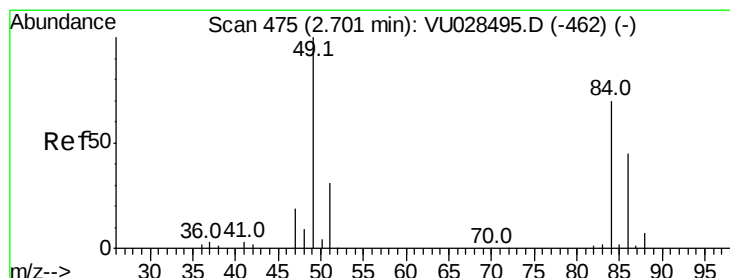
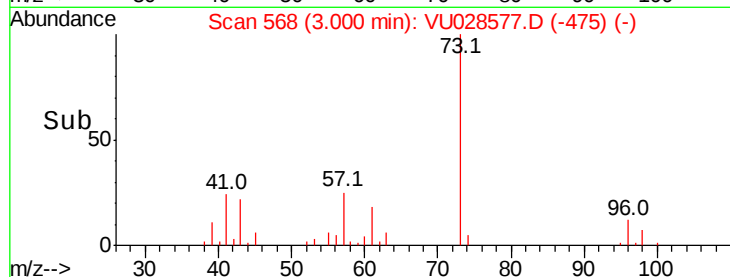
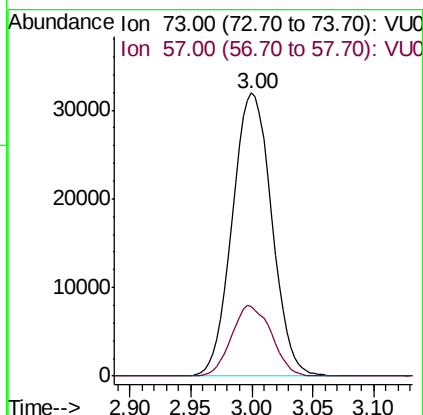
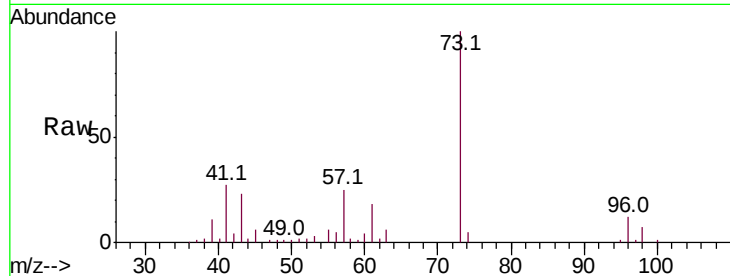




#19
Methvl tert-butvl Ether
Concen: 20.843 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

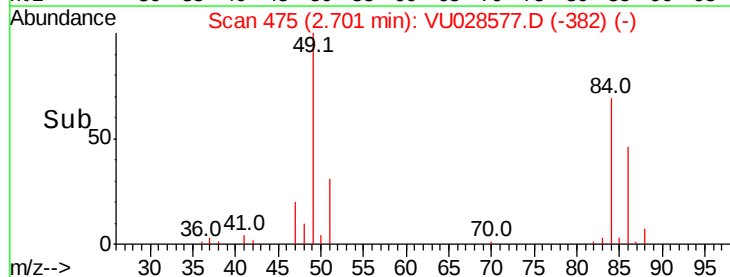
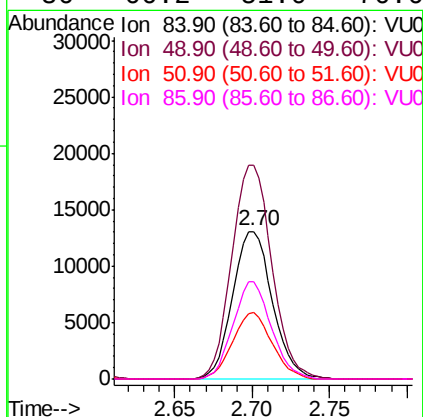
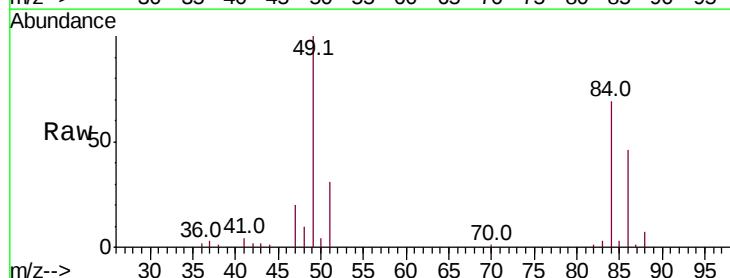
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

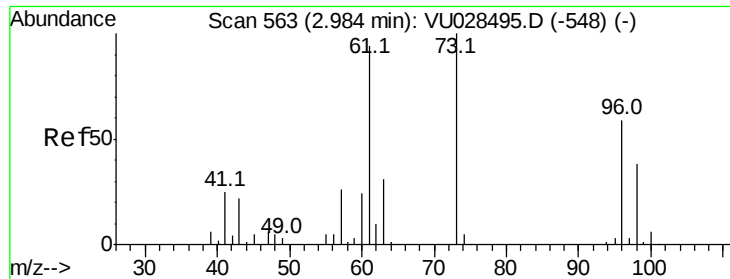
Tot Ion: 73 Resp: 71564
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2



#20
Methylene Chloride
Concen: 19.563 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 84 Resp: 23362
Ion Ratio Lower Upper
84 100
49 144.5 114.0 171.0
51 44.8 35.1 52.7
86 66.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.032 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

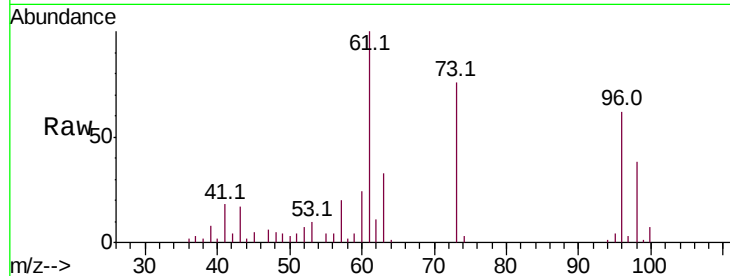
Tot Ion: 96 Resp: 20428

Ion Ratio Lower Upper

96 100

61 161.2 127.0 190.4

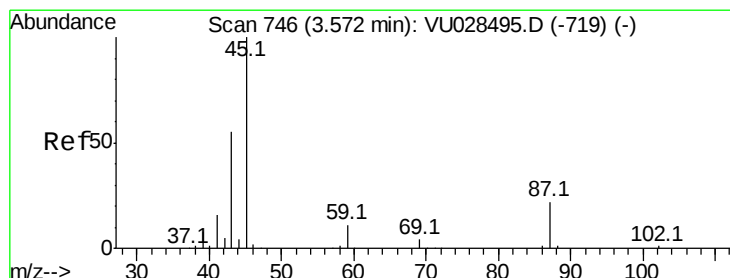
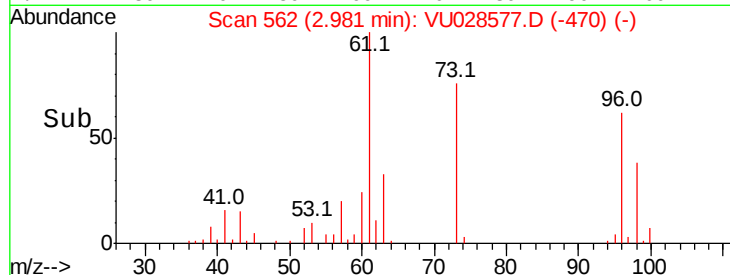
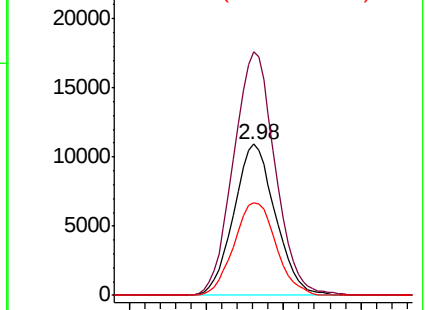
98 61.5 51.9 77.9



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



#22

Diisopropyl ether

Concen: 21.766 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion: 45 Resp: 90694

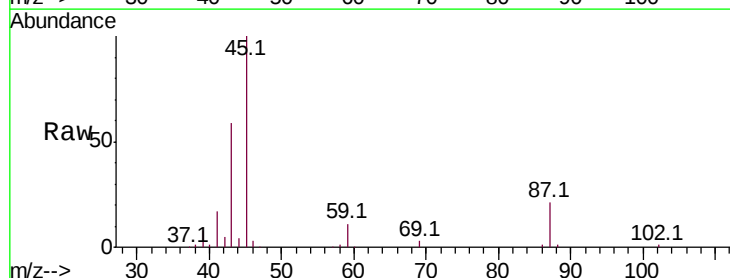
Ion Ratio Lower Upper

45 100

43 56.5 45.3 67.9

87 20.9 17.6 26.4

59 10.7 8.8 13.2

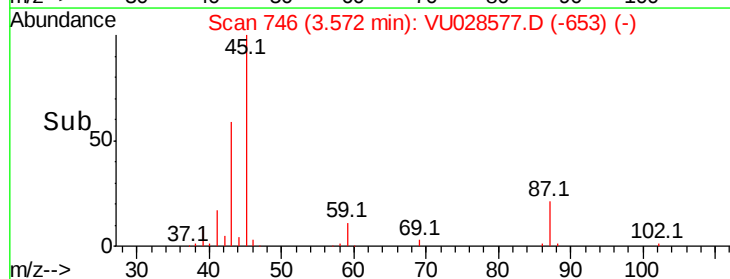
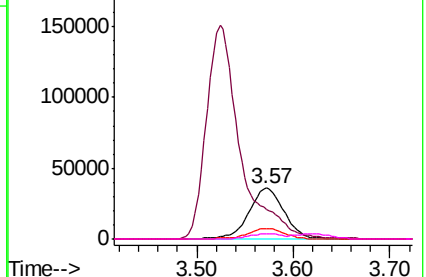


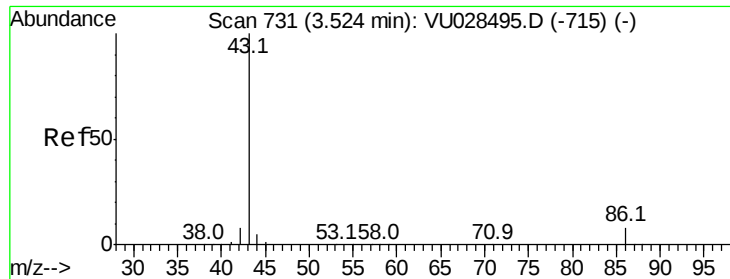
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 107.339 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

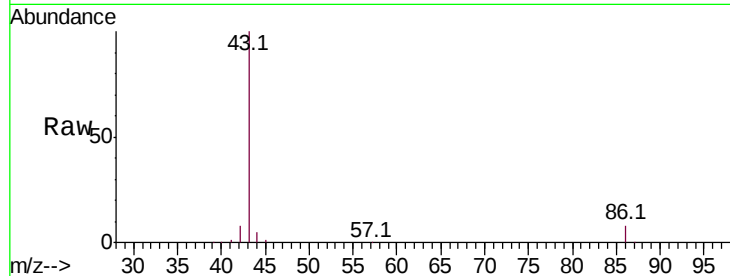
VU1211WBS02

Tot Ion: 43 Resp: 368913

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028577.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028577.D (-638) (-)

3.52

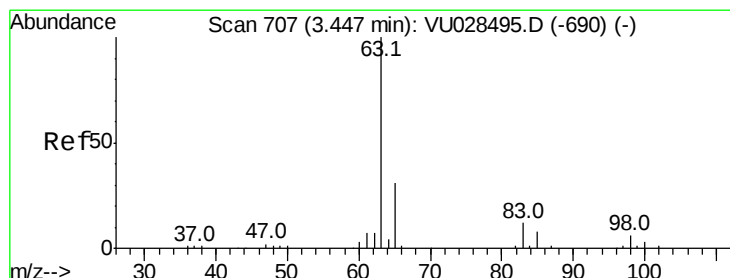
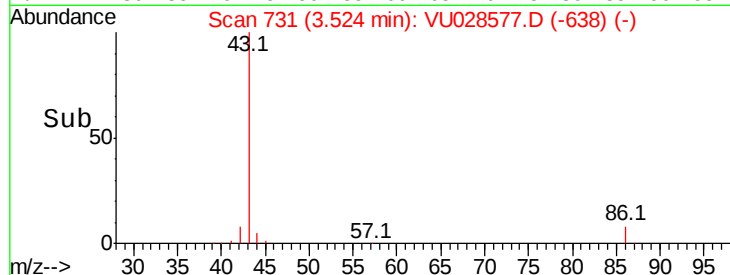
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.928 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

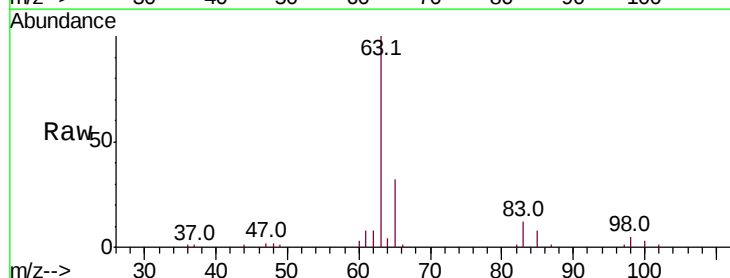
Tgt Ion: 63 Resp: 45647

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028577.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028577.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028577.D (-614) (-)

3.44

25000

20000

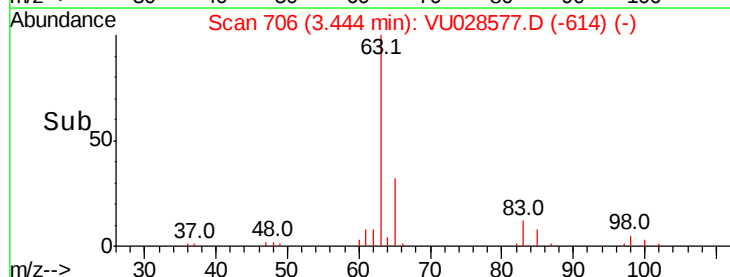
15000

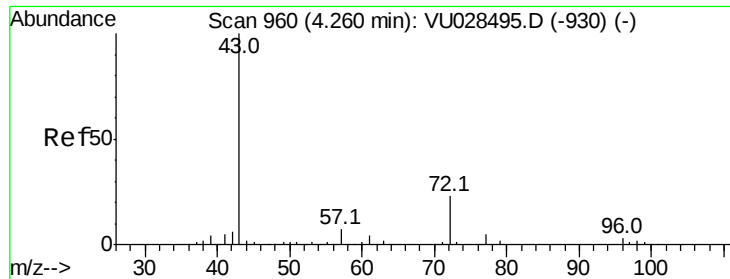
10000

5000

0

Time-->





#25

2-Butanone

Concen: 108.806 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

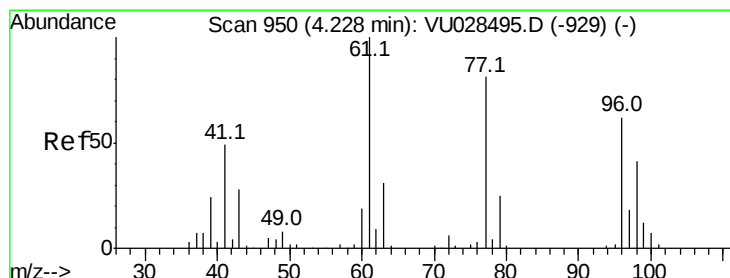
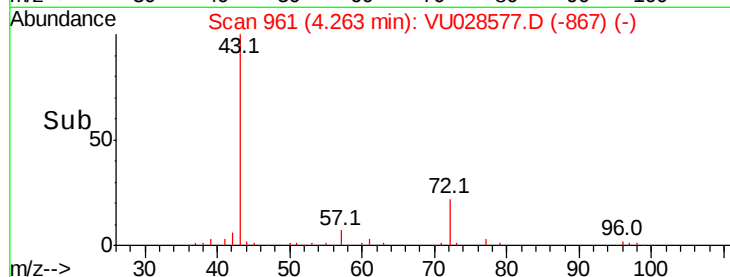
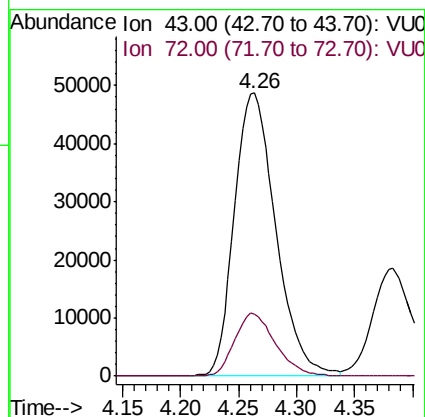
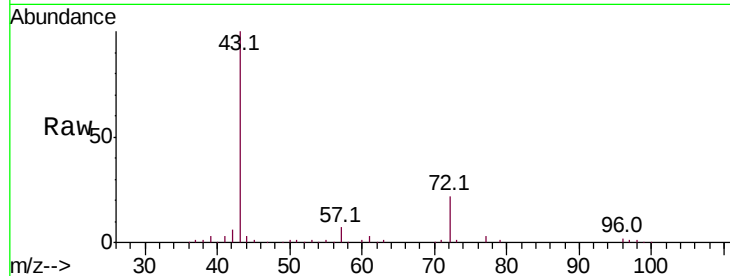
VU1211WBS02

Tot Ion: 43 Resp: 120457

Ion Ratio Lower Upper

43 100

72 22.1 18.6 28.0



#26

2,2-Dichloropropane

Concen: 16.947 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028577.D

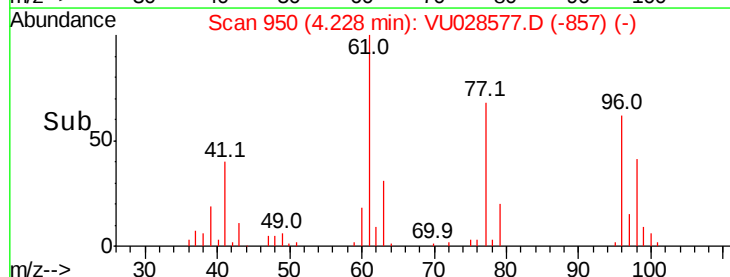
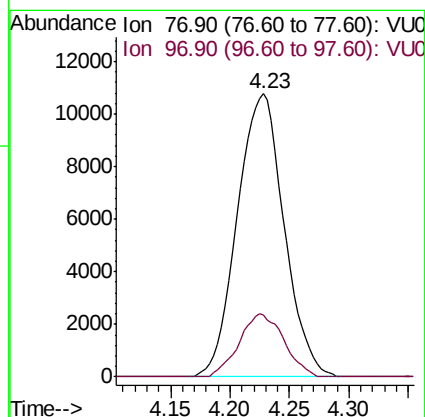
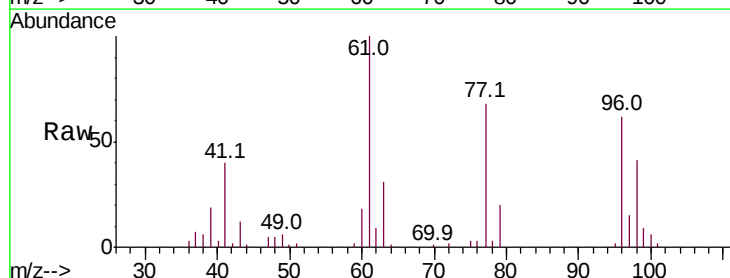
Acq: 11 Dec 2018 02:27

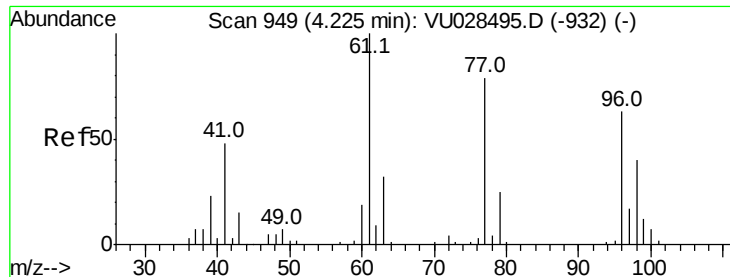
Tgt Ion: 77 Resp: 29288

Ion Ratio Lower Upper

77 100

97 21.3 11.0 33.0



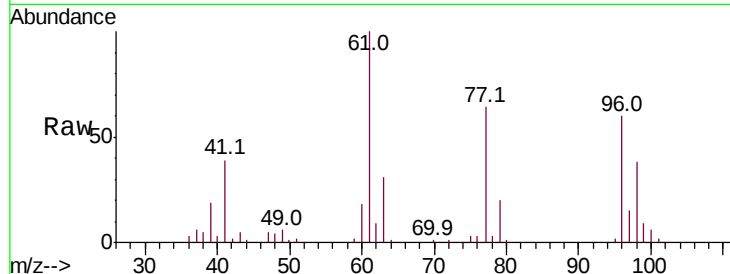


#27

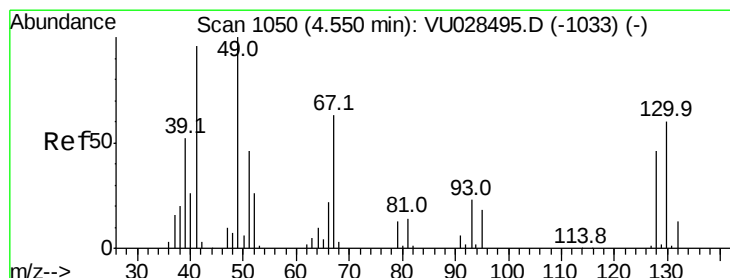
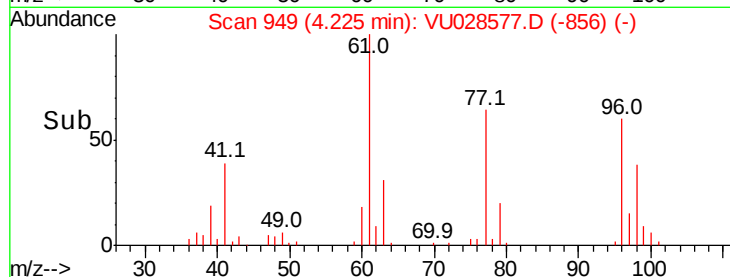
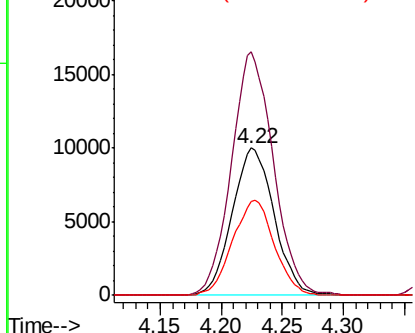
cis-1,2-Dichloroethene
 Concen: 20.644 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion: 96 Resp: 23828
 Ion Ratio Lower Upper
 96 100
 61 165.6 0.0 332.4
 98 63.8 0.0 129.0



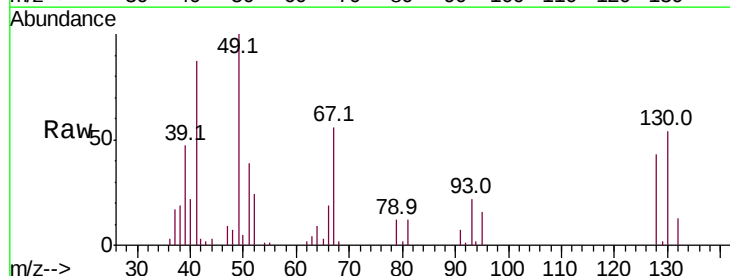
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



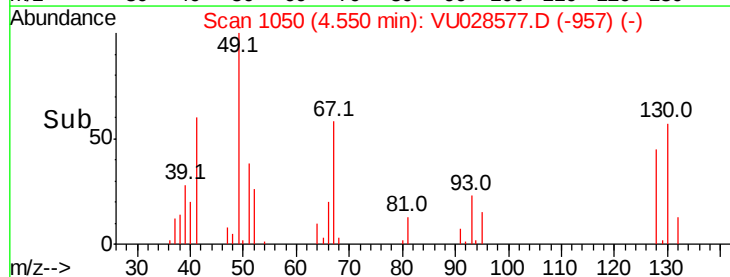
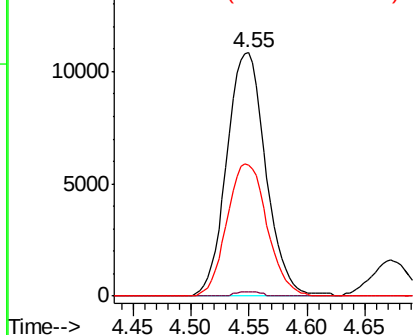
#28

Bromochloromethane
 Concen: 25.489 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 49 Resp: 25273
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.0
 130 55.9 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 118.419 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

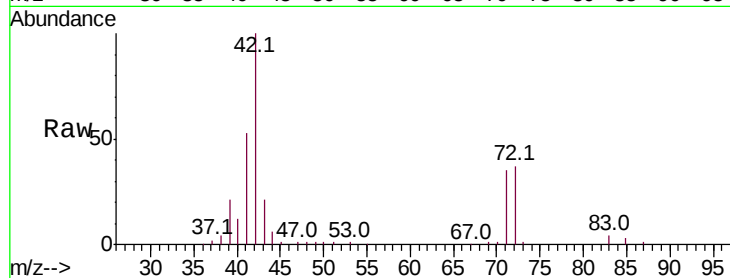
Tot Ion: 42 Resp: 84197

Ion Ratio Lower Upper

42 100

72 37.5 31.4 47.0

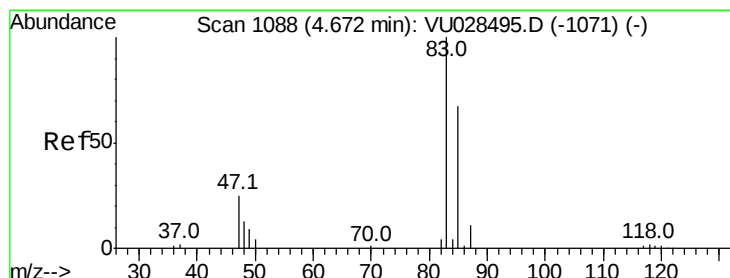
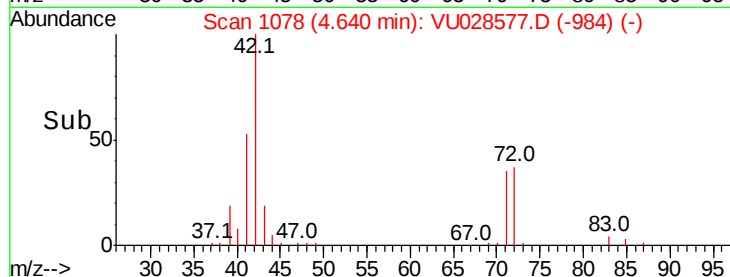
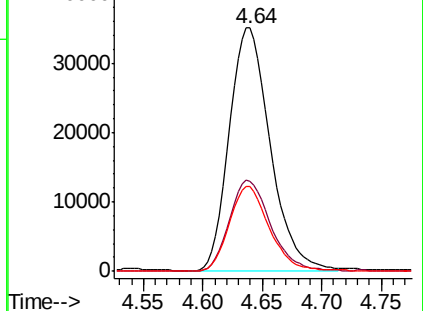
71 33.9 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.173 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028577.D

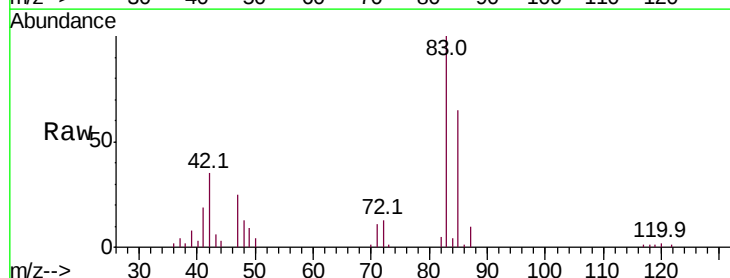
Acq: 11 Dec 2018 02:27

Tgt Ion: 83 Resp: 40250

Ion Ratio Lower Upper

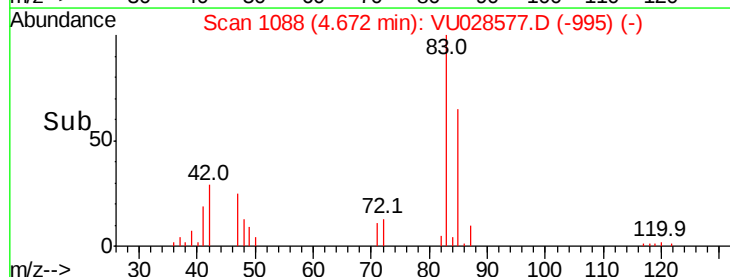
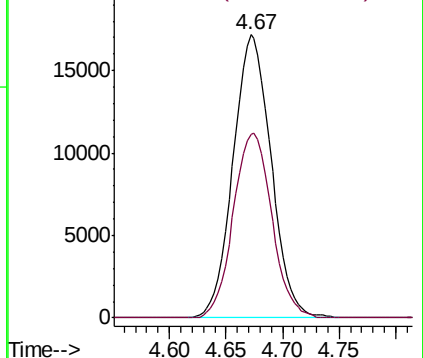
83 100

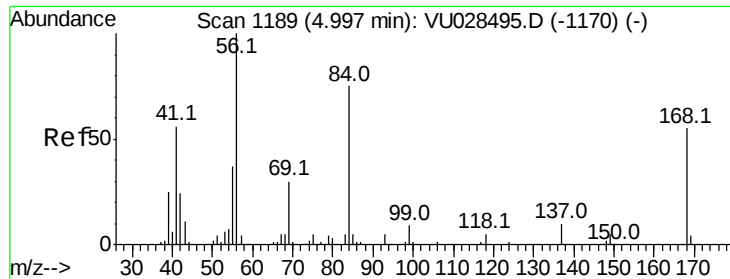
85 65.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

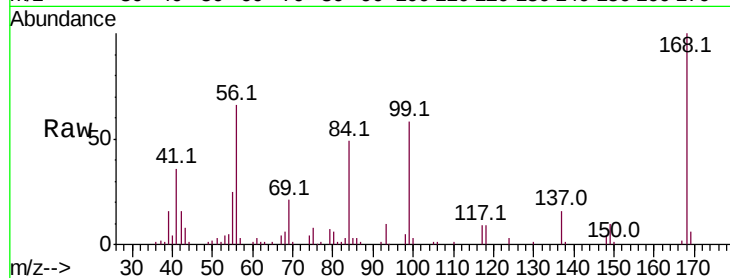




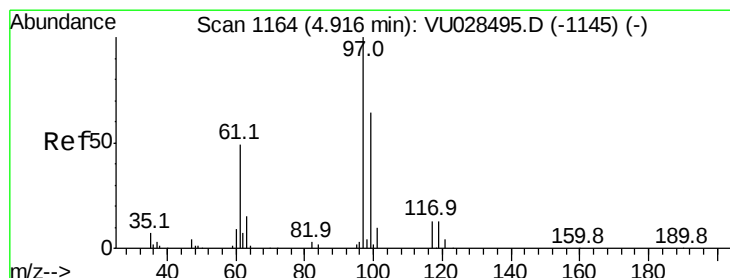
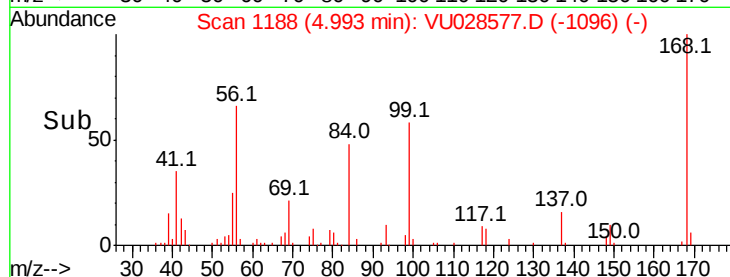
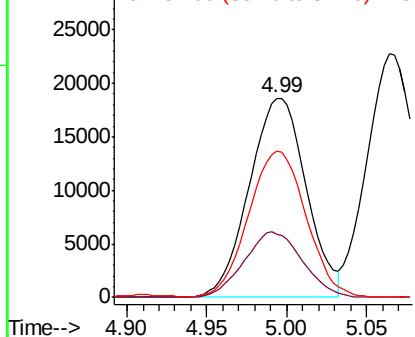
#31
Cyclohexane
Concen: 20.824 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 56 Resp: 45809
Ion Ratio Lower Upper
56 100
69 32.0 24.0 36.0
84 73.7 59.7 89.5

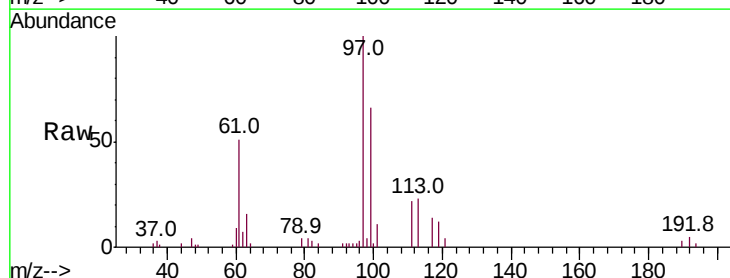


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

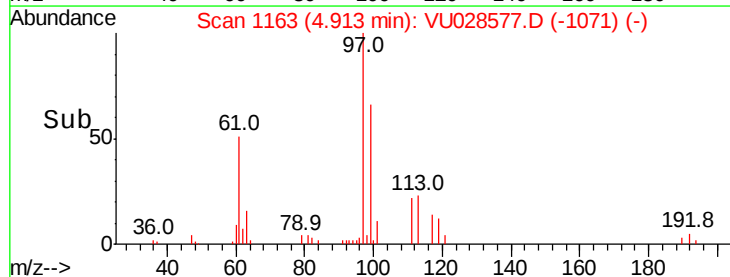
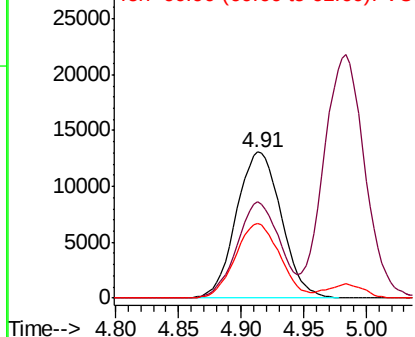


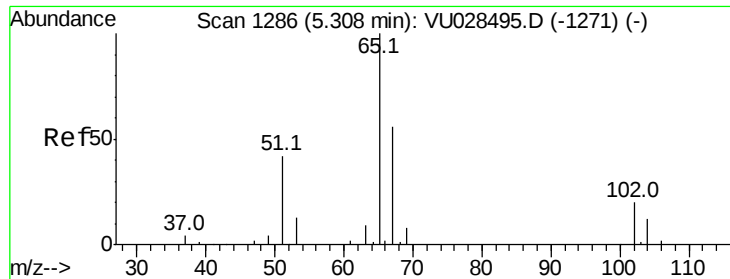
#32
1,1,1-Trichloroethane
Concen: 20.707 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 97 Resp: 32693
Ion Ratio Lower Upper
97 100
99 62.8 52.3 78.5
61 50.4 39.0 58.6



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

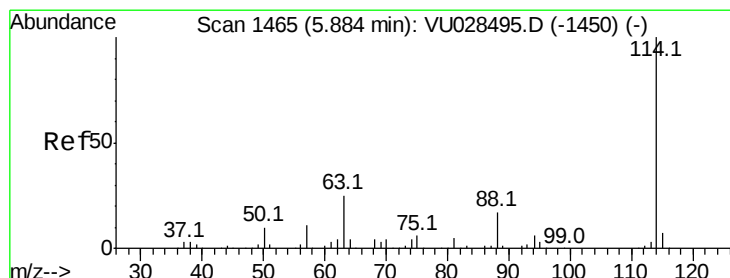
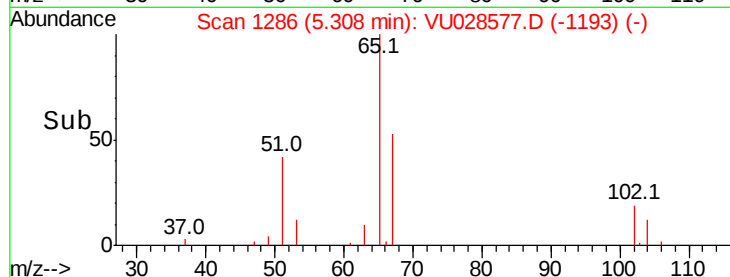
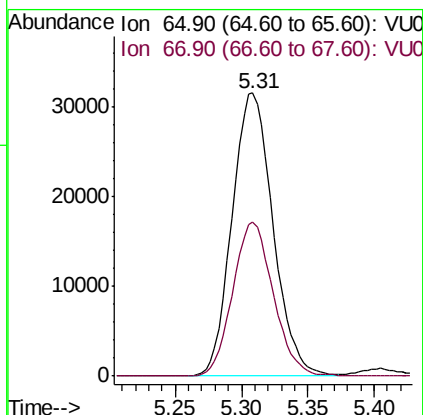
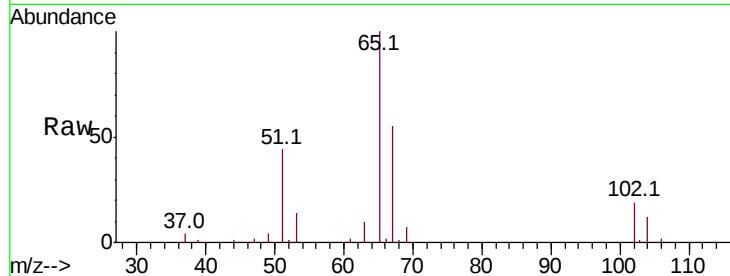




#33
 1,2-Dichloroethane-d4
 Concen: 54.600 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

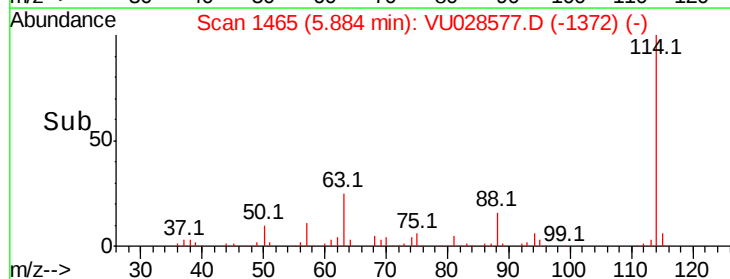
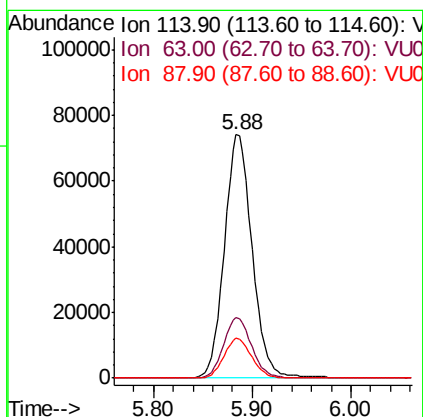
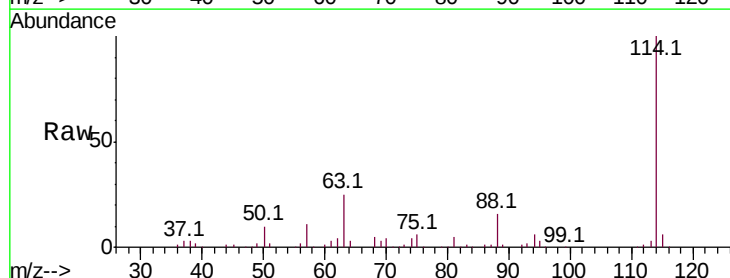
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion: 65 Resp: 67782
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 114 Resp: 146017
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.3 0.0 33.4

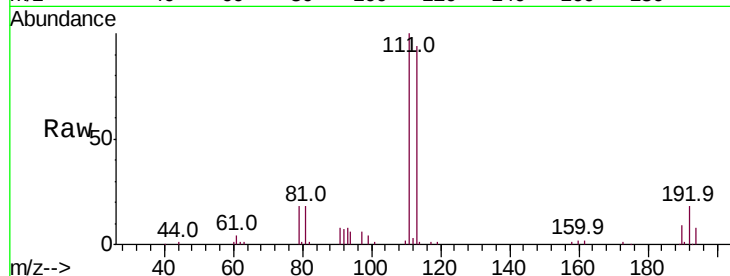




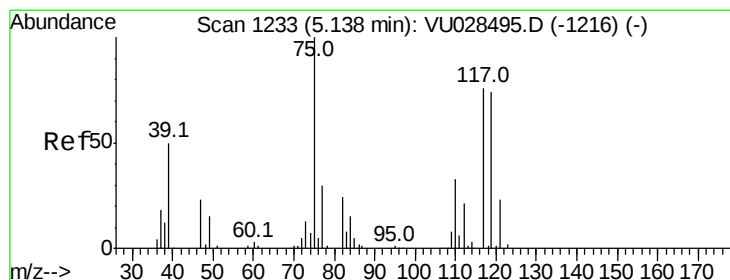
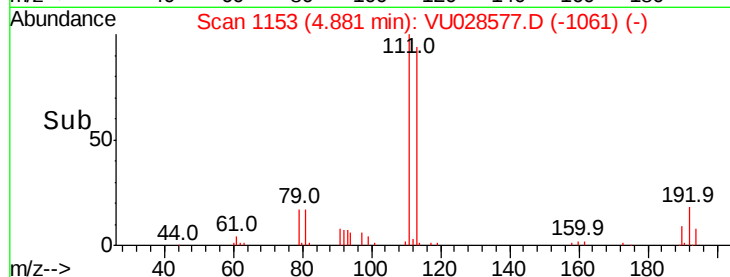
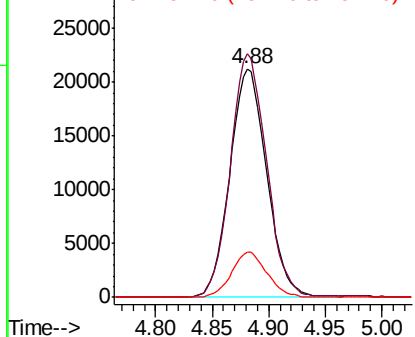
#35
 Dibromofluoromethane
 Concen: 52.450 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion:113 Resp: 48196
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.4 125.0
 192 18.8 14.8 22.2

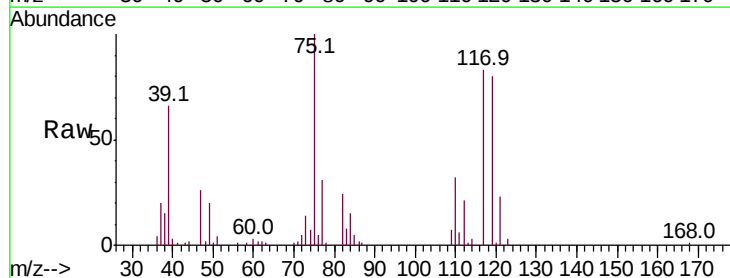


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

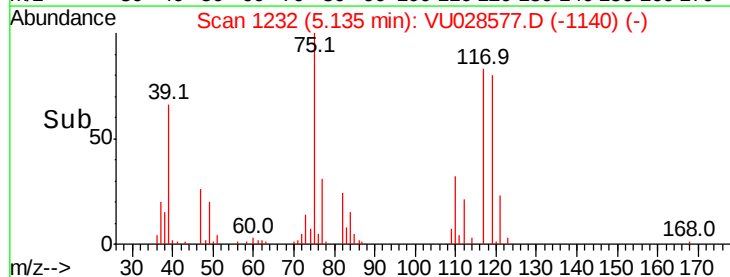
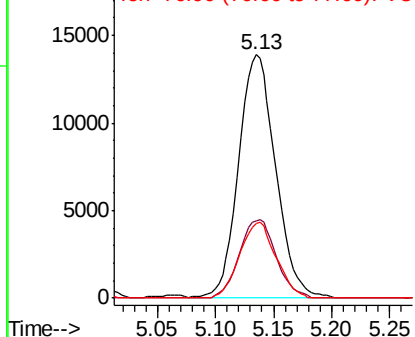


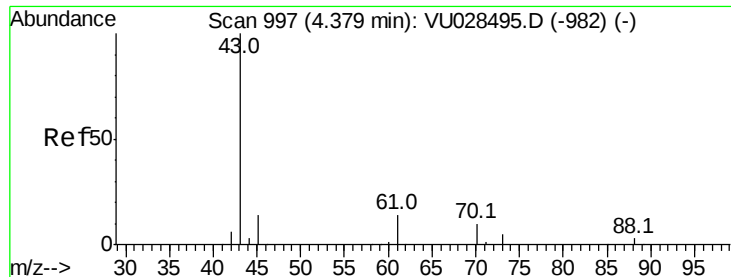
#36
 1,1-Dichloropropene
 Concen: 19.391 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 75 Resp: 30983
 Ion Ratio Lower Upper
 75 100
 110 31.8 16.1 48.2
 77 30.4 24.5 36.7



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: 21.810 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

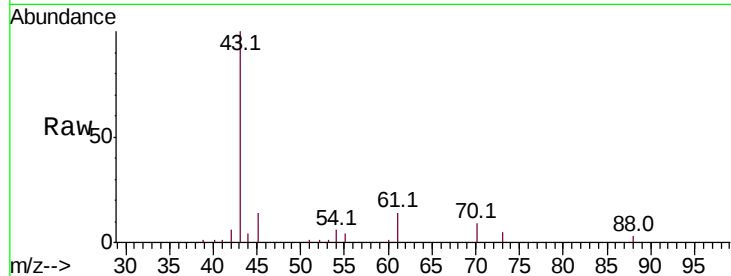
Tot Ion: 43 Resp: 45050

Ion Ratio Lower Upper

43 100

61 13.3 11.0 16.4

70 8.4 7.4 11.0

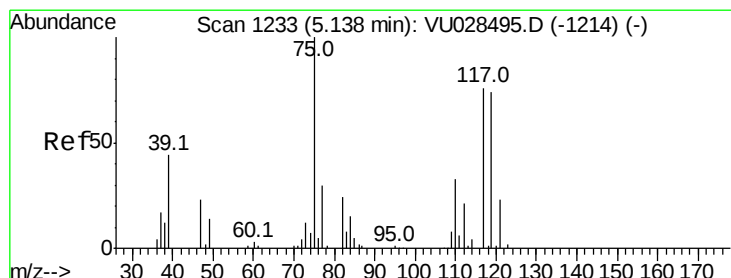
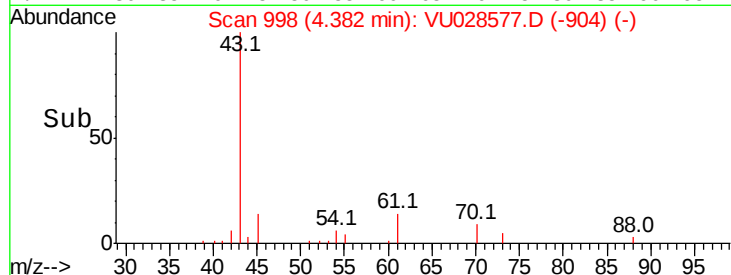
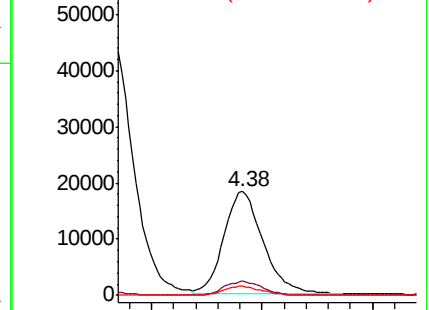


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38

Carbon Tetrachloride

Concen: 20.336 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

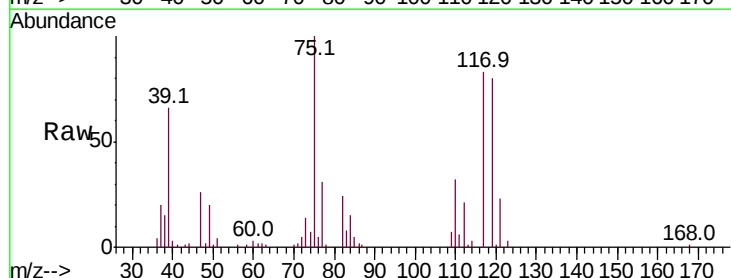
Tgt Ion: 117 Resp: 26190

Ion Ratio Lower Upper

117 100

119 96.7 77.6 116.4

121 27.2 24.6 36.8

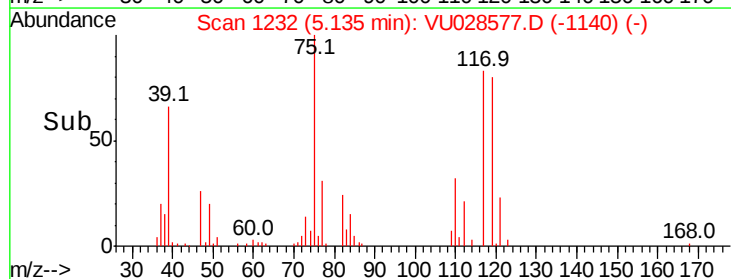
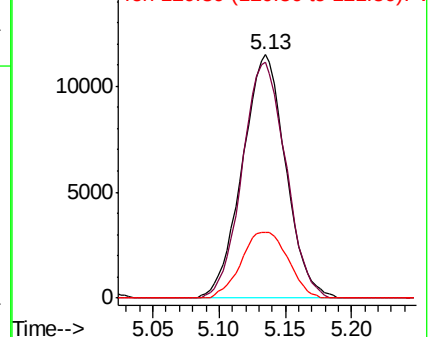


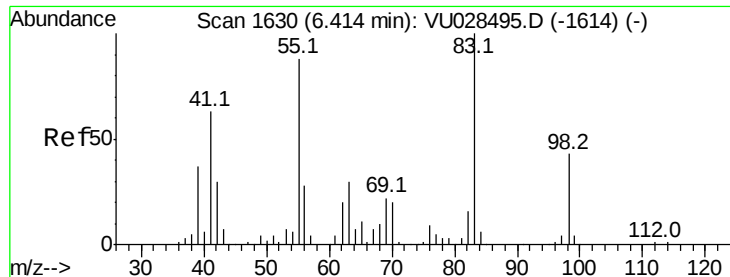
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 18.268 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

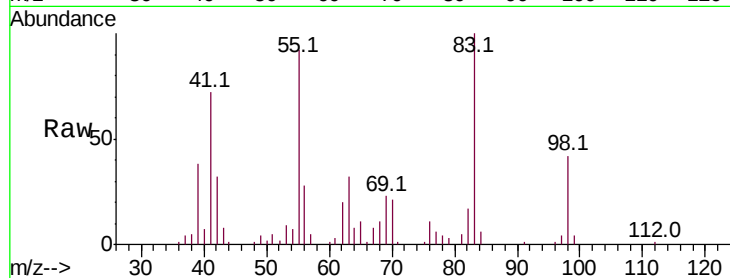
Tot Ion: 83 Resp: 35610

Ion Ratio Lower Upper

83 100

55 91.6 70.2 105.2

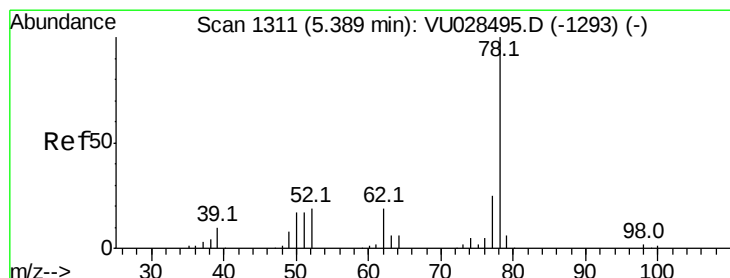
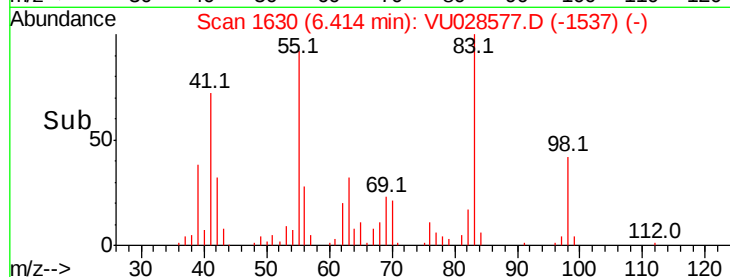
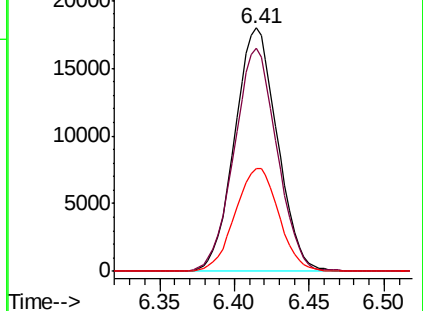
98 42.3 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU028495.D (-1614) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU028495.D (-1614) (-)



#40

Benzene

Concen: 20.293 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028577.D

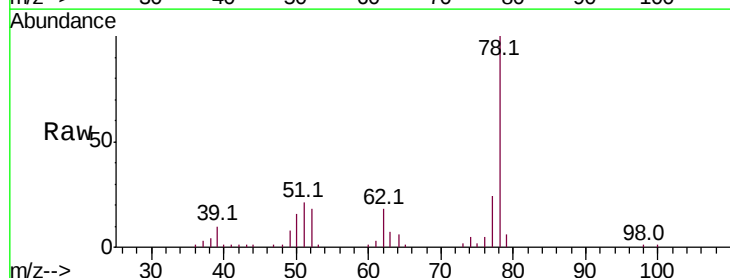
Acq: 11 Dec 2018 02:27

Tgt Ion: 78 Resp: 95498

Ion Ratio Lower Upper

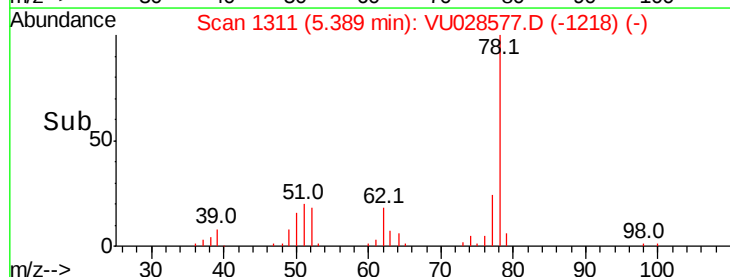
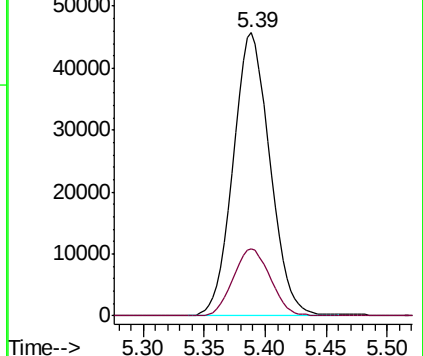
78 100

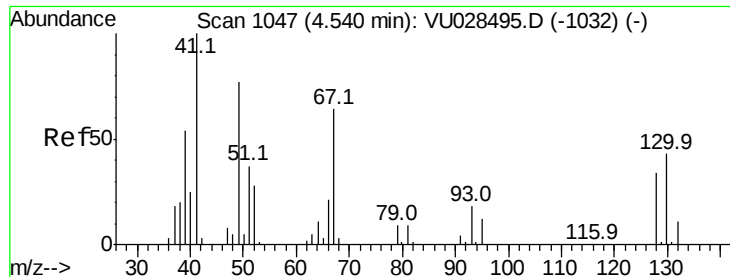
77 23.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU028495.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-1293) (-)

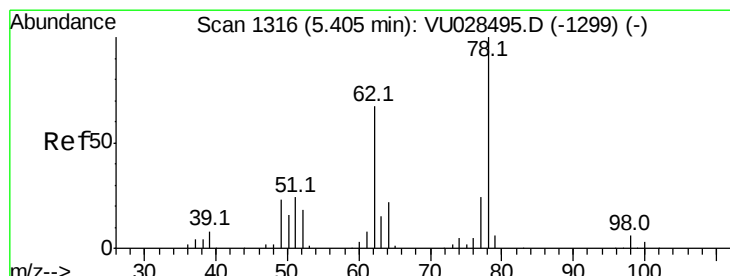
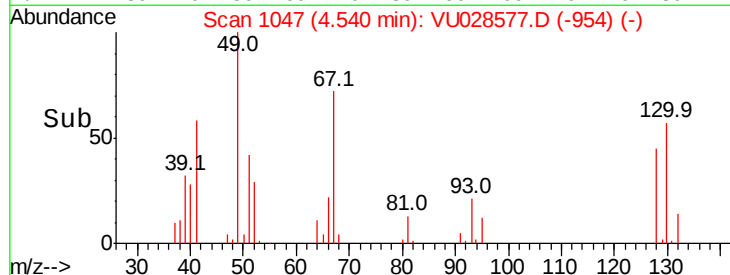
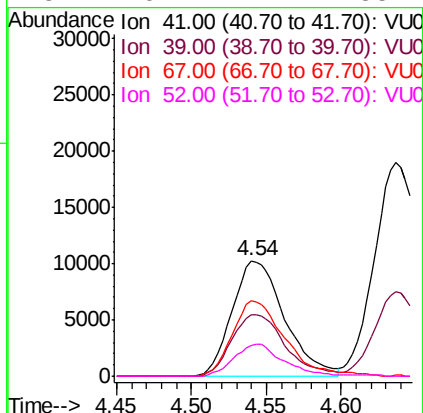
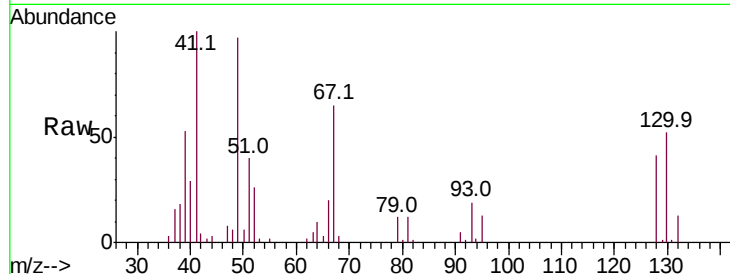




#41
Methacrylonitrile
Concen: 22.112 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

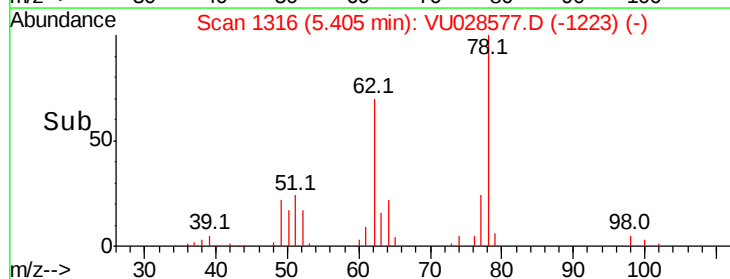
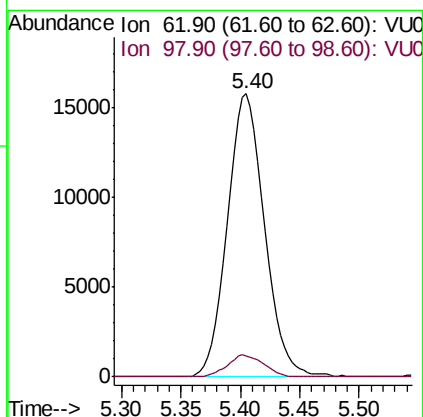
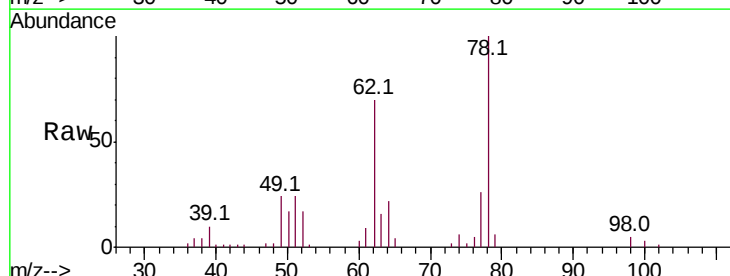
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

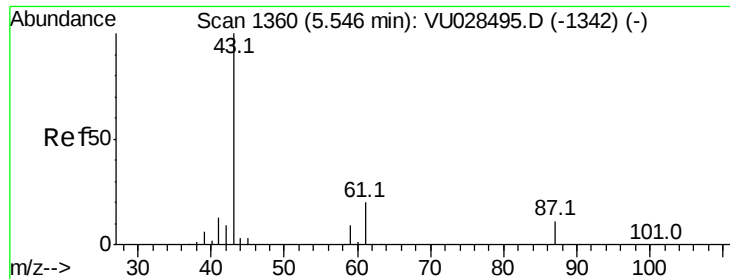
Tot Ion:	41	Resp:	25013
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	65.3	53.6	80.4
52	26.4	22.1	33.1



#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:	62	Resp:	34102
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.784 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

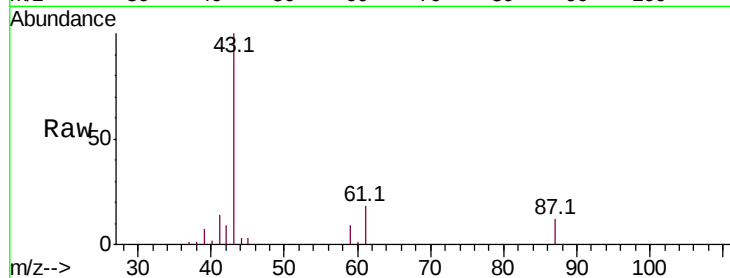
Tot Ion: 43 Resp: 71171

Ion Ratio Lower Upper

43 100

61 18.2 15.5 23.3

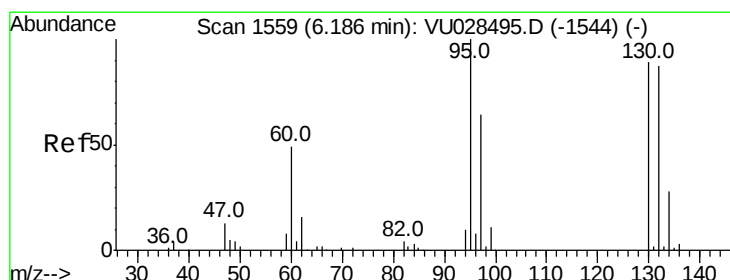
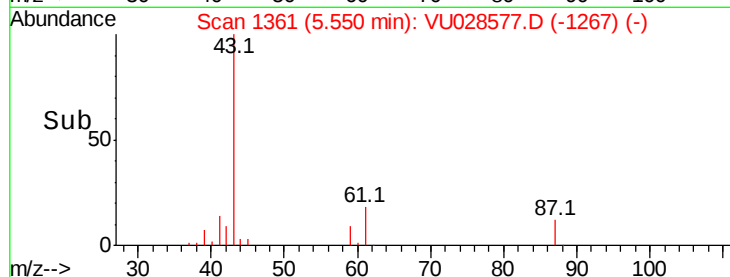
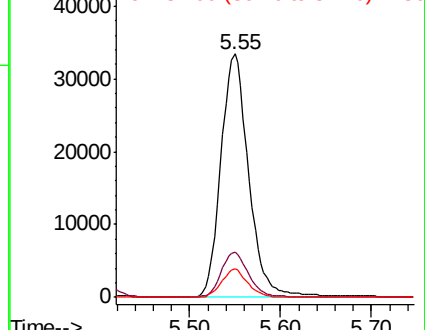
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 19.791 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028577.D

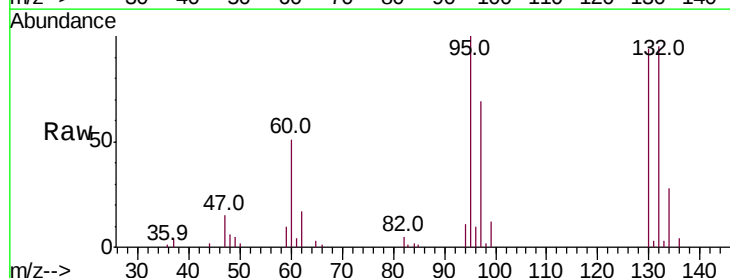
Acq: 11 Dec 2018 02:27

Tgt Ion:130 Resp: 20709

Ion Ratio Lower Upper

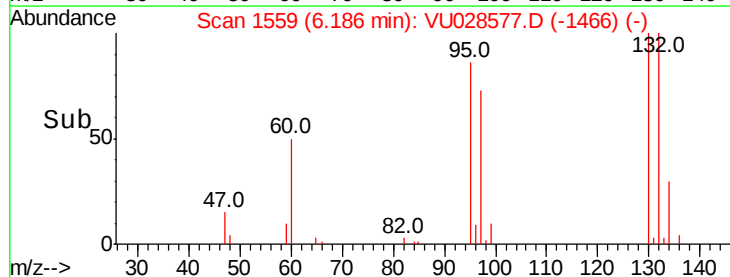
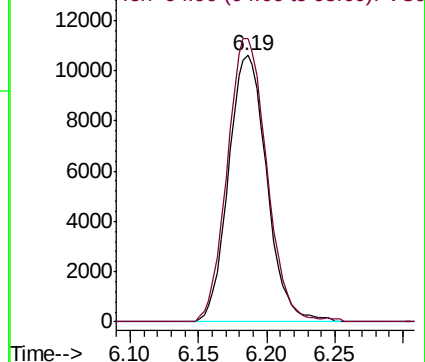
130 100

95 106.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 21.328 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

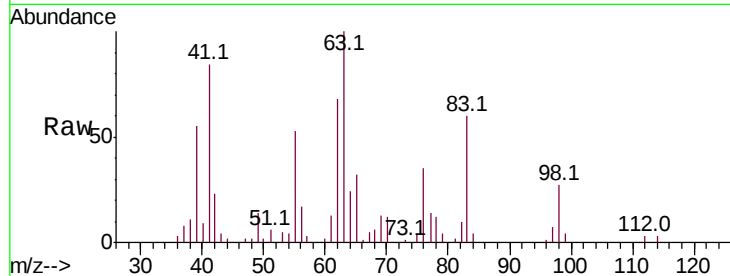
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 63 Resp: 28225

Ion Ratio Lower Upper

63 100

65 32.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

15000

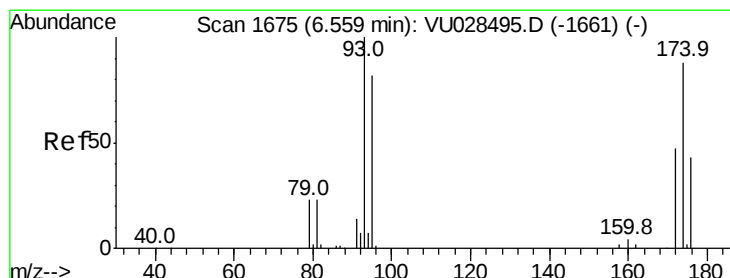
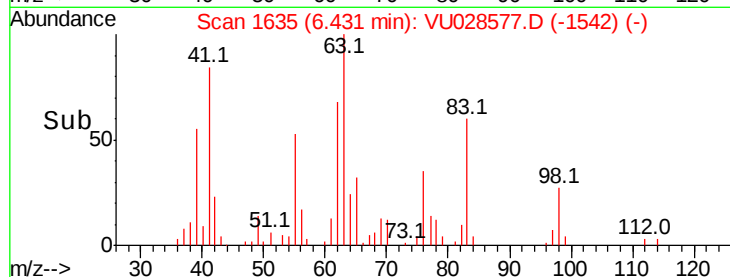
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 20.251 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

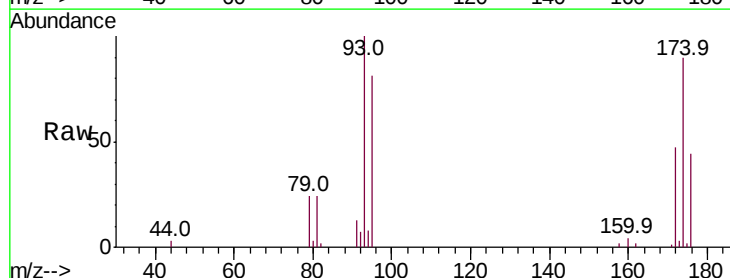
Tgt Ion: 93 Resp: 15901

Ion Ratio Lower Upper

93 100

95 84.0 65.4 98.2

174 89.4 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

10000

8000

6000

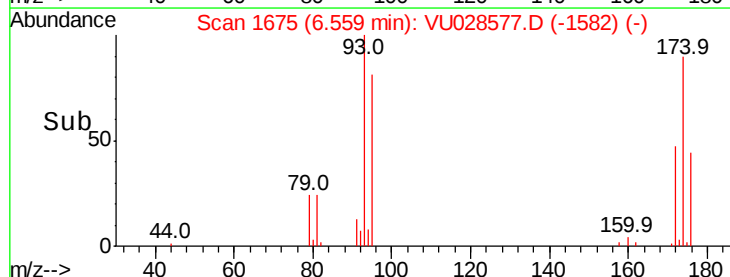
4000

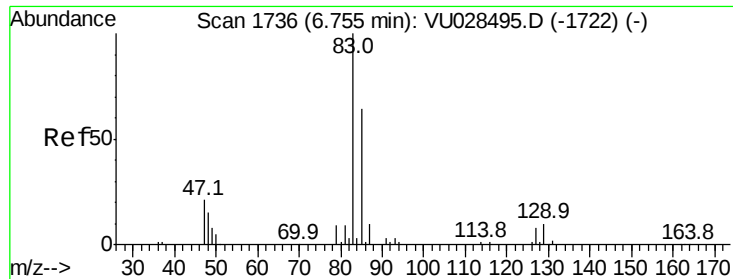
2000

0

6.50 6.55 6.60

Time-->





#47

Bromodichloromethane

Concen: 20.157 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

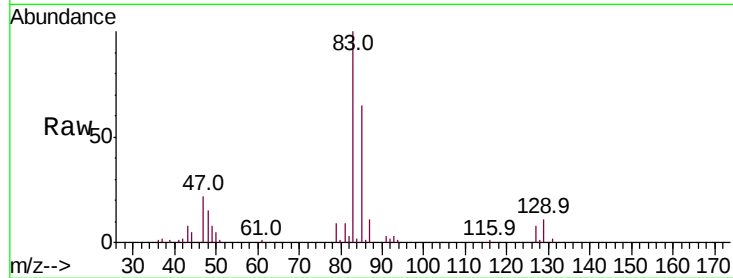
Tot Ion: 83 Resp: 30799

Ion Ratio Lower Upper

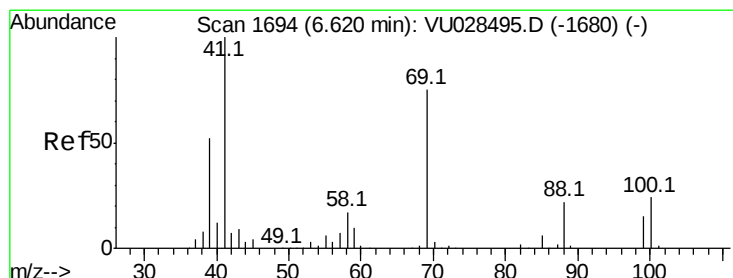
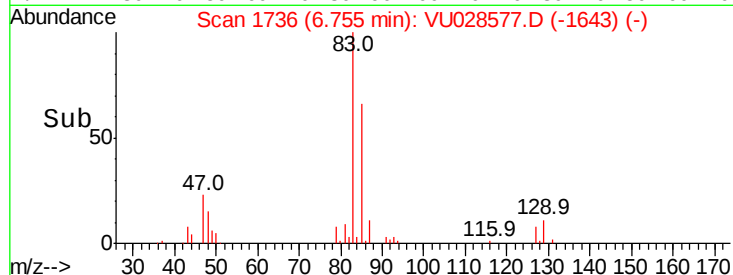
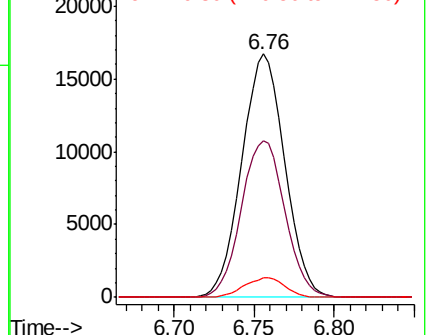
83 100

85 64.5 51.5 77.3

127 7.8 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.881 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

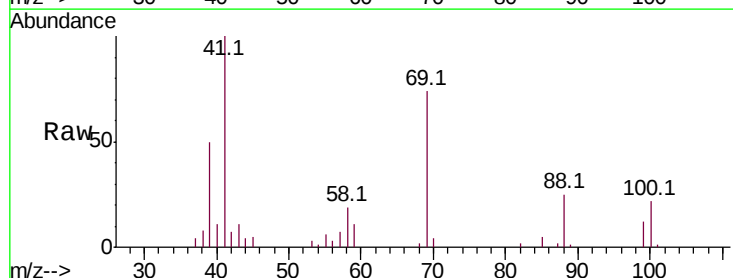
Tgt Ion: 41 Resp: 35550

Ion Ratio Lower Upper

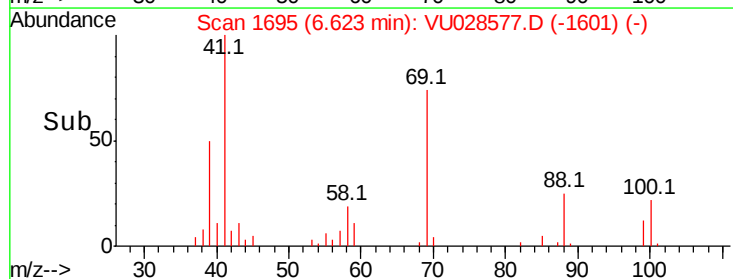
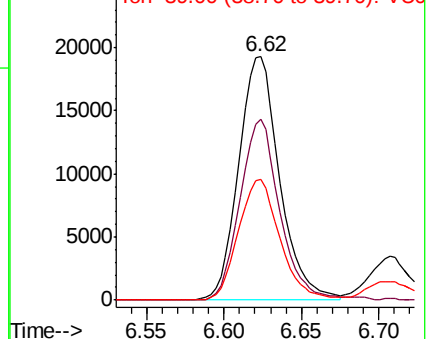
41 100

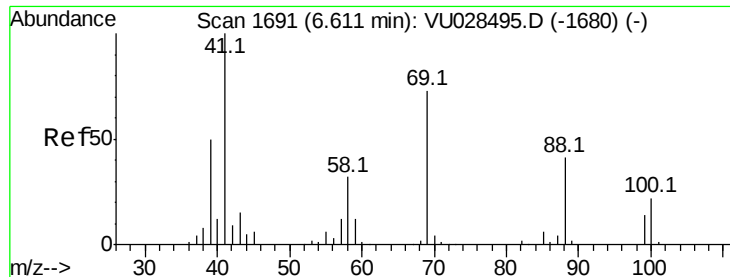
69 72.4 60.4 90.6

39 50.2 41.1 61.7



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

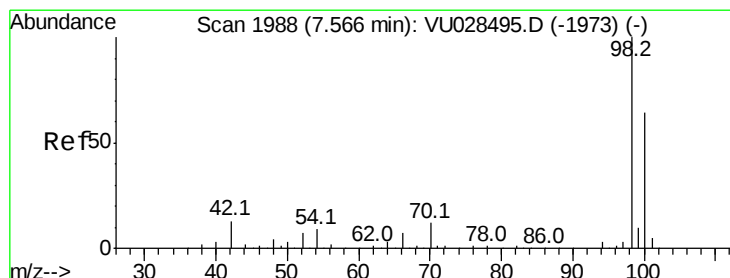
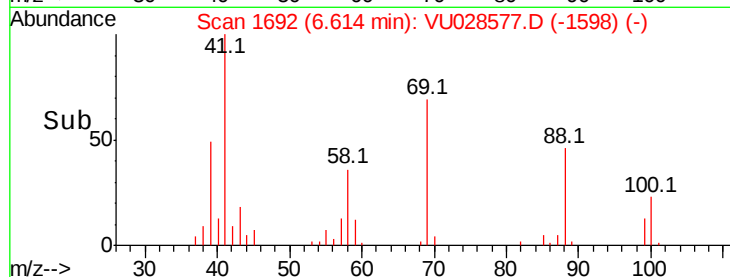
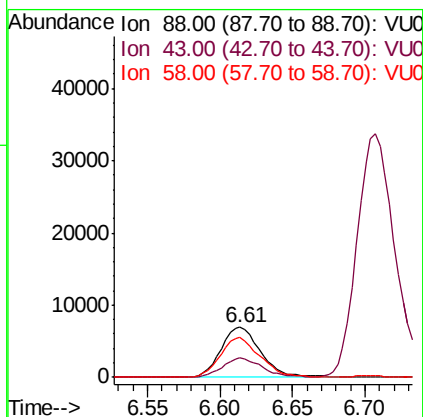
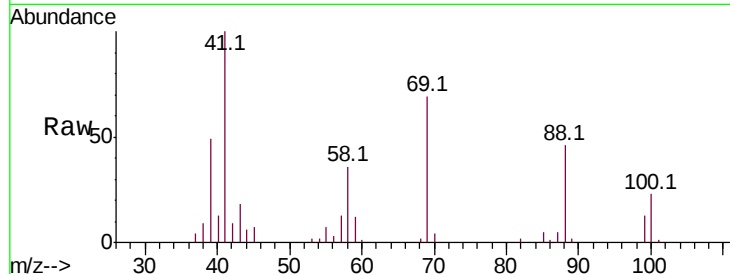




#49
1,4-Dioxane
Concen: 512.712 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

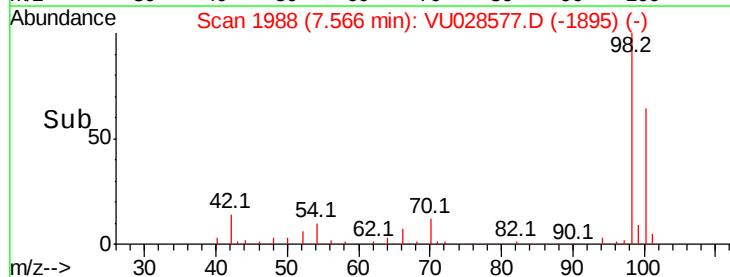
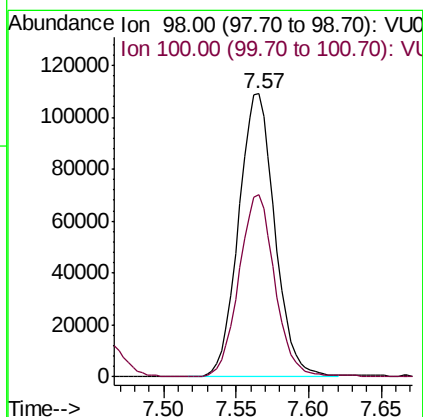
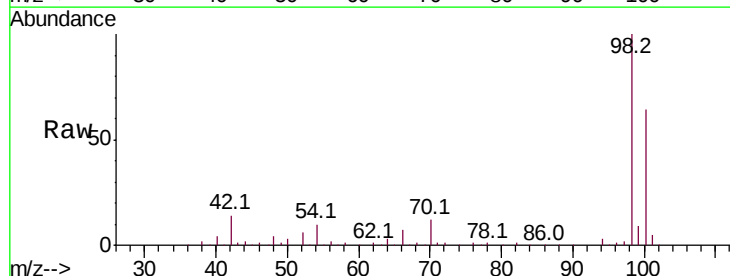
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

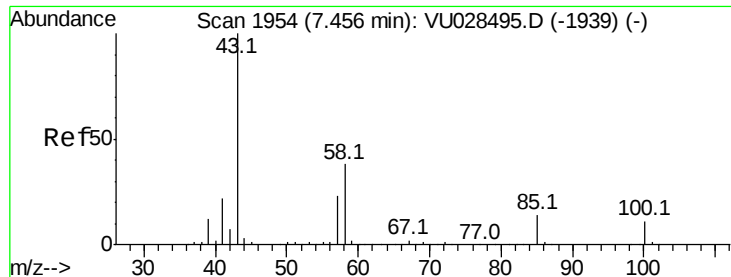
Tot Ion: 88 Resp: 13153
Ion Ratio Lower Upper
88 100
43 39.1 30.9 46.3
58 80.3 62.4 93.6



#50
Toluene-d8
Concen: 52.054 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 98 Resp: 189217
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 110.006 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

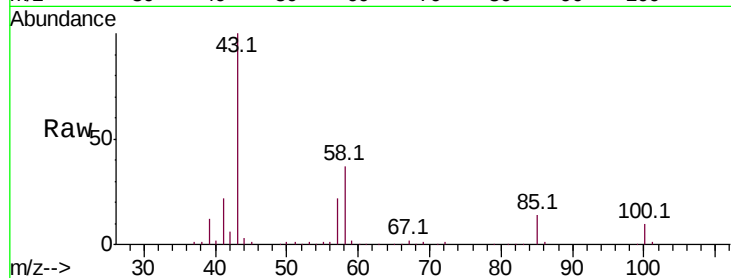
VU1211WBS02

Tot Ion: 43 Resp: 226676

Ion Ratio Lower Upper

43 100

58 36.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

150000

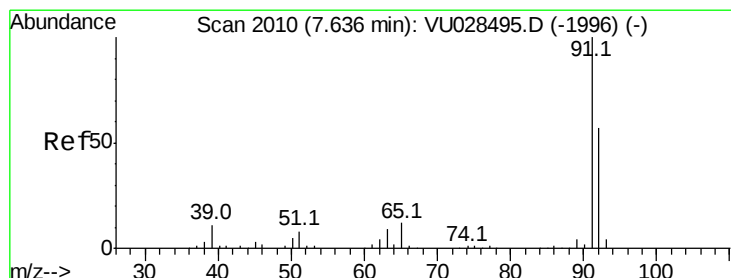
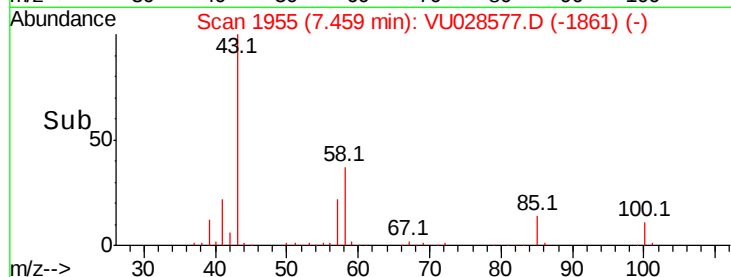
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 20.041 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028577.D

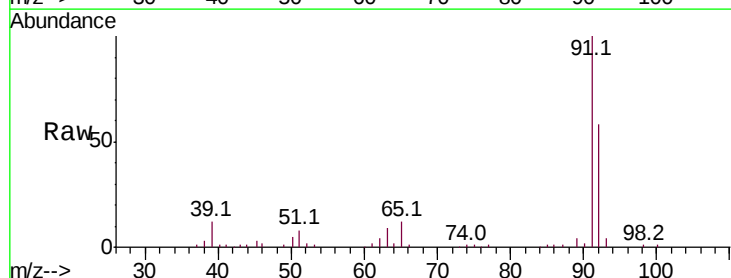
Acq: 11 Dec 2018 02:27

Tgt Ion: 92 Resp: 55506

Ion Ratio Lower Upper

92 100

91 174.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

60000

50000

40000

30000

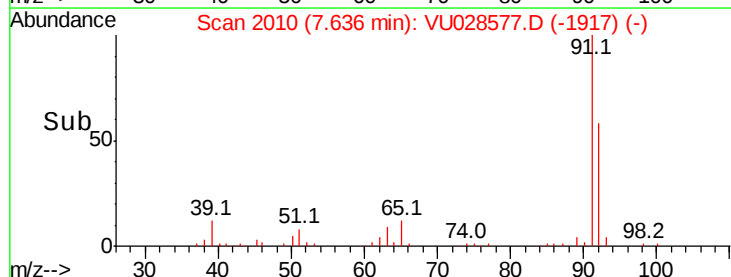
20000

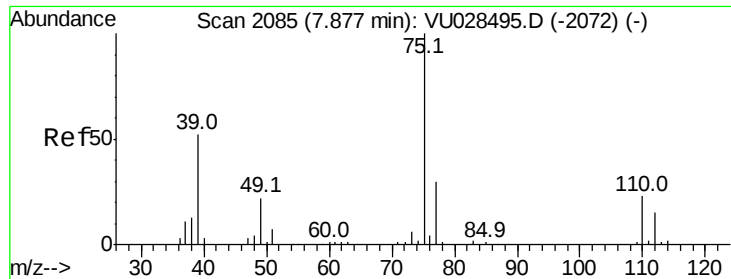
10000

0

7.60 7.65 7.70

Time-->

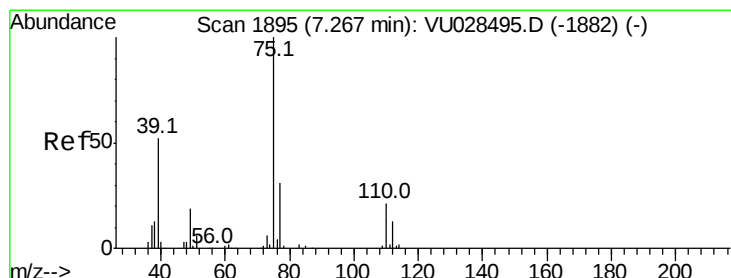
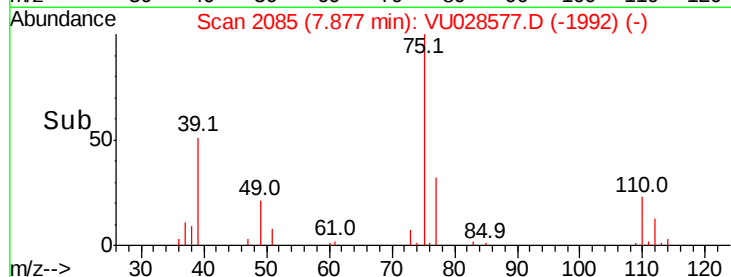
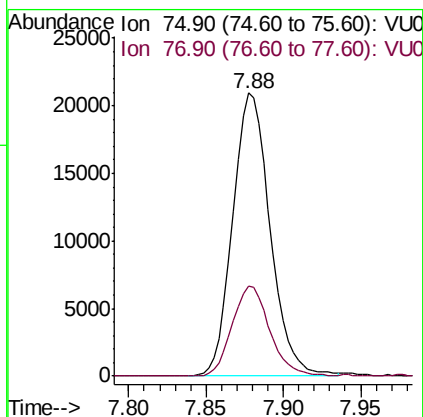
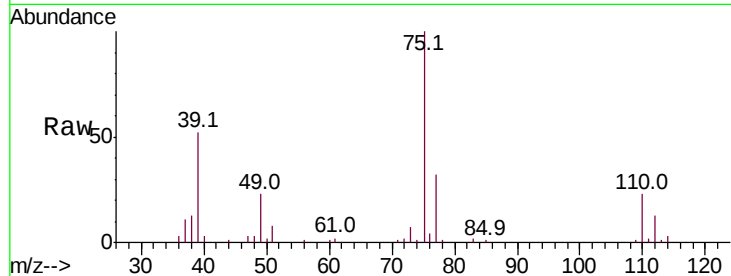




#53
t-1,3-Dichloropropene
Concen: 19.331 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

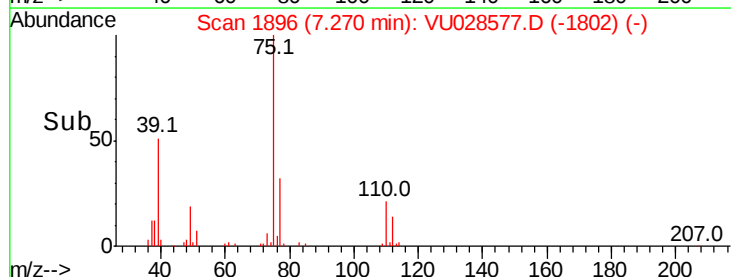
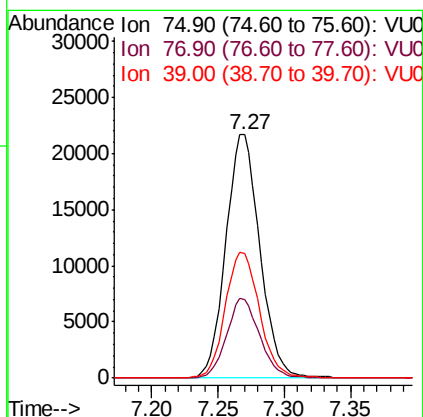
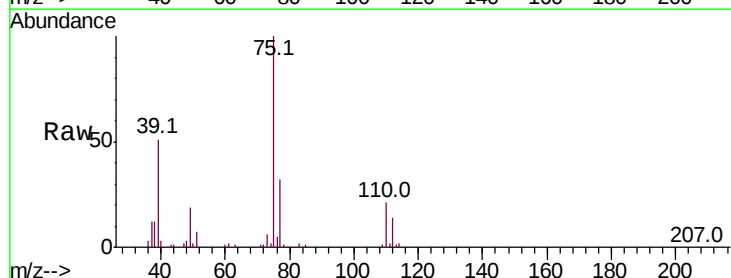
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

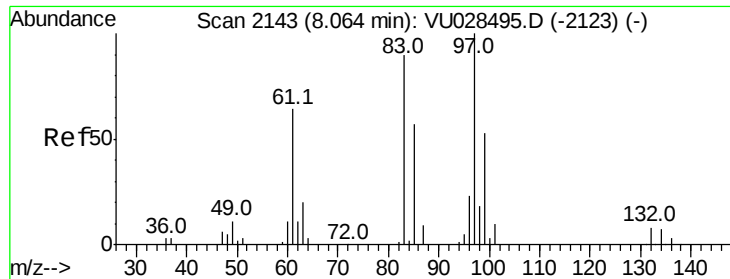
Tot Ion: 75 Resp: 35178
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 19.577 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 75 Resp: 38651
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.4
39 51.4 41.3 61.9



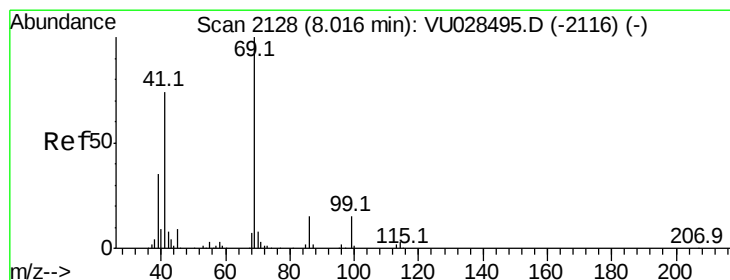
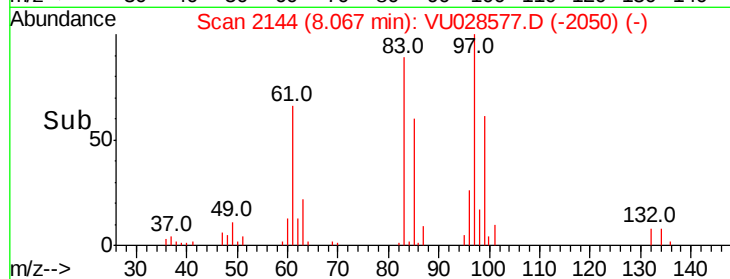
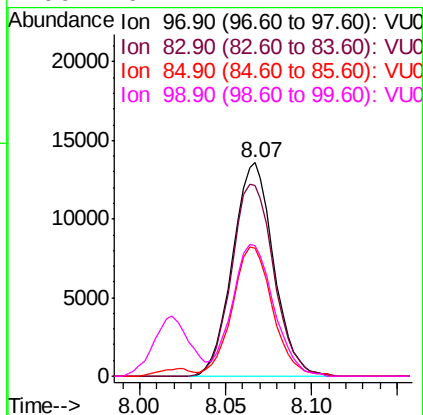
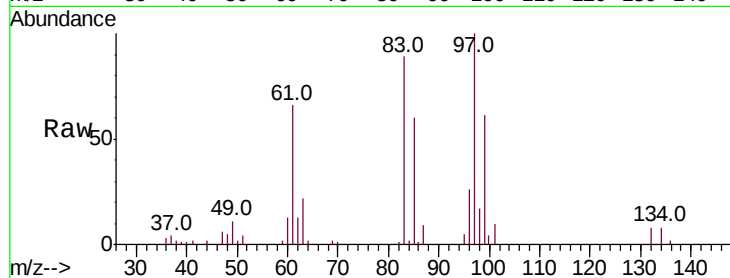


#55
 1,1,2-Trichloroethane
 Concen: 20.659 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion: 97 Resp: 22617

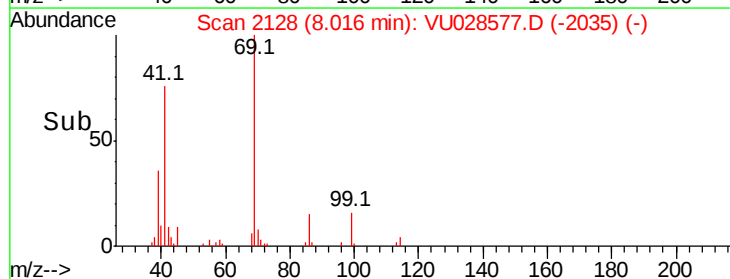
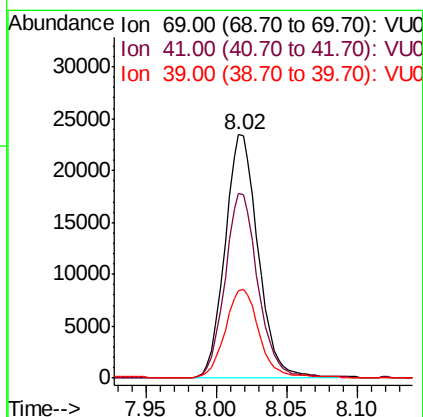
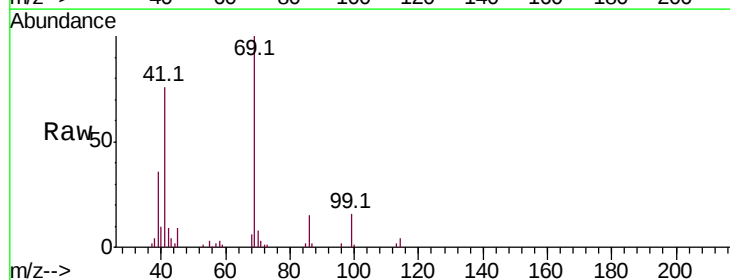
Ion	Ratio	Lower	Upper
97	100		
83	89.5	72.4	108.6
85	59.7	46.0	69.0
99	61.1	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 69 Resp: 38547

Ion	Ratio	Lower	Upper
69	100		
41	76.0	59.1	88.7
39	37.5	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.273 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

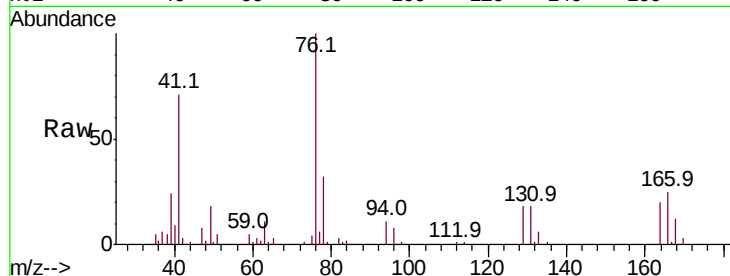
VU1211WBS02

Tot Ion: 76 Resp: 41200

Ion Ratio Lower Upper

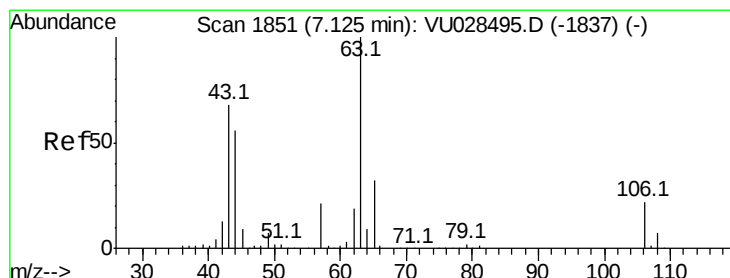
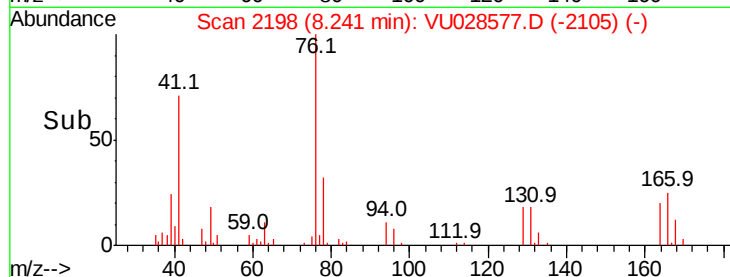
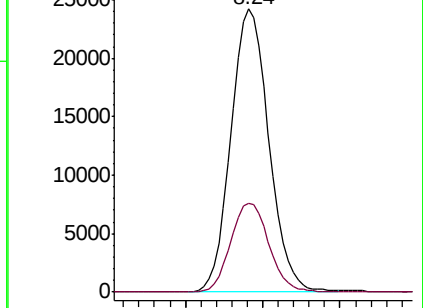
76 100

78 31.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 98.086 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028577.D

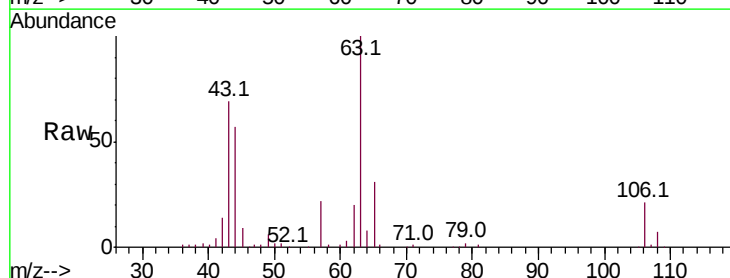
Acq: 11 Dec 2018 02:27

Tgt Ion: 63 Resp: 94189

Ion Ratio Lower Upper

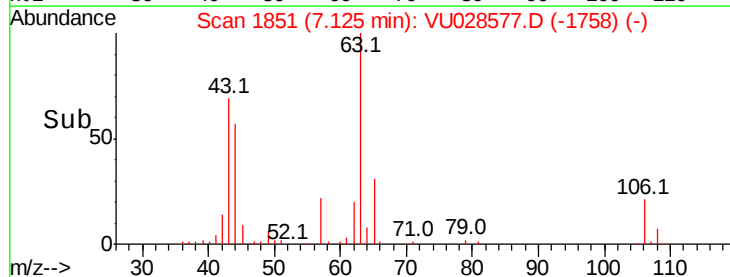
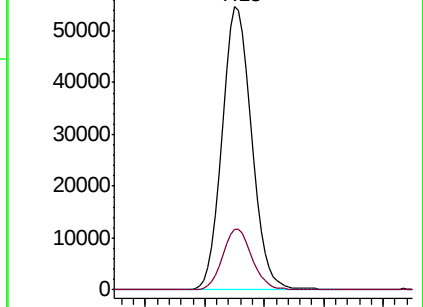
63 100

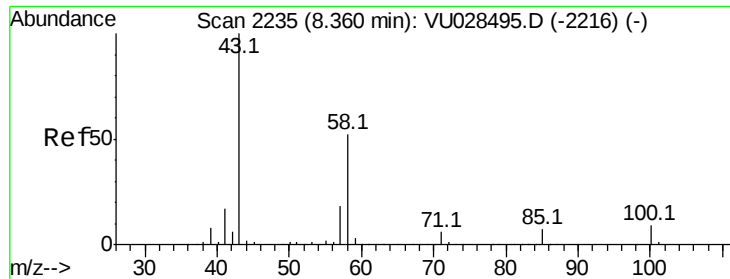
106 21.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

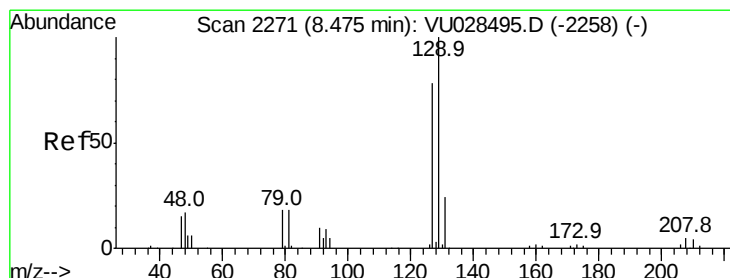
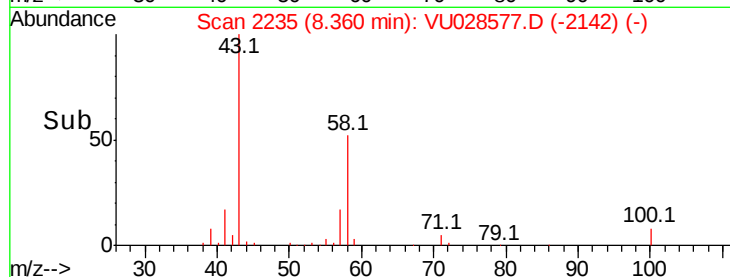
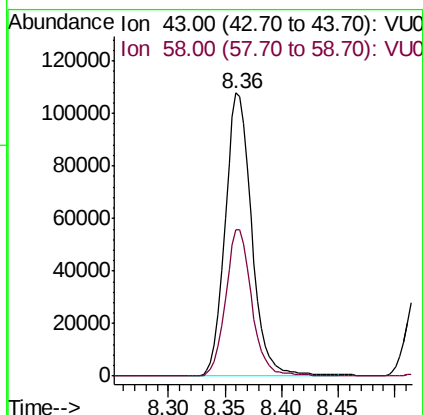
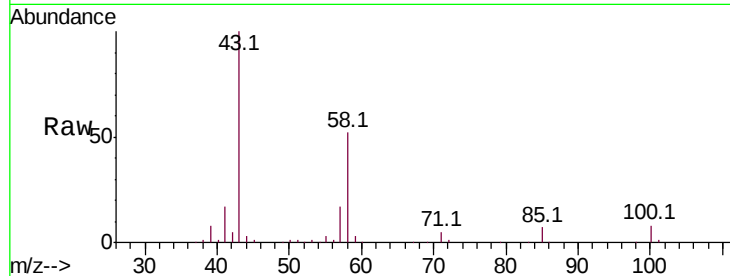




#59
2-Hexanone
Concen: 107.880 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

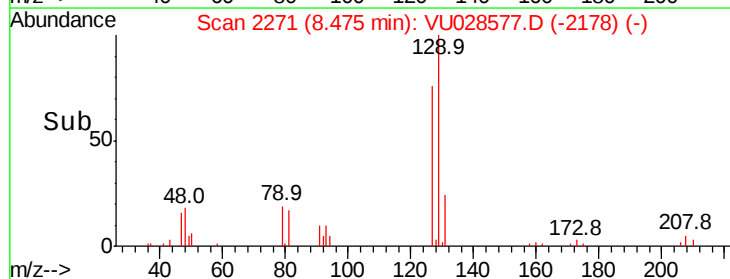
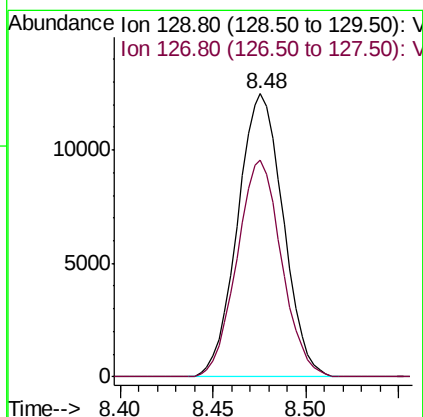
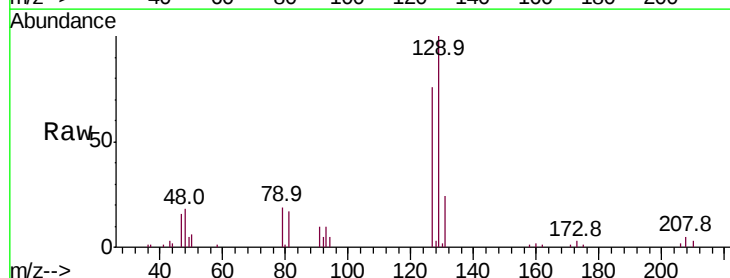
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

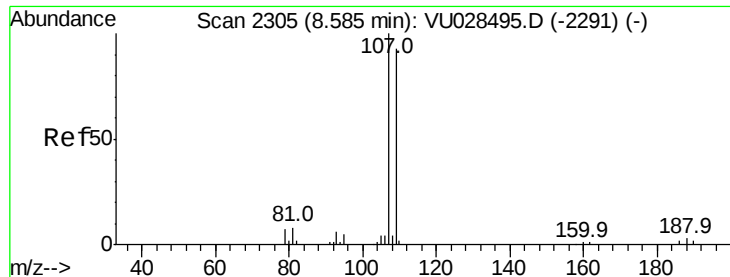
Tot Ion: 43 Resp: 176192
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.6



#60
Dibromochloromethane
Concen: 19.911 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 129 Resp: 21342
Ion Ratio Lower Upper
129 100
127 74.9 39.1 117.3

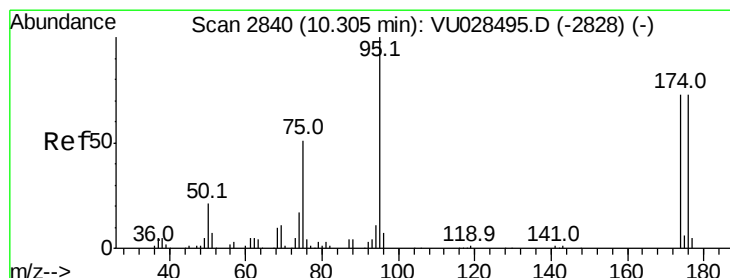
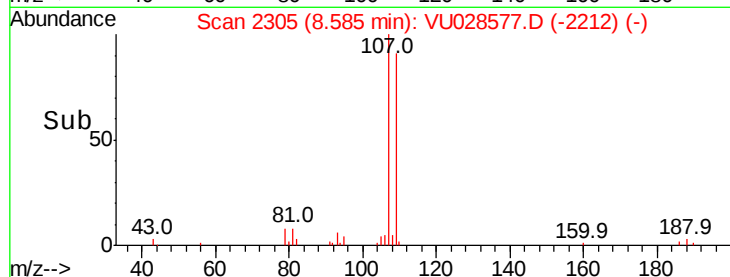
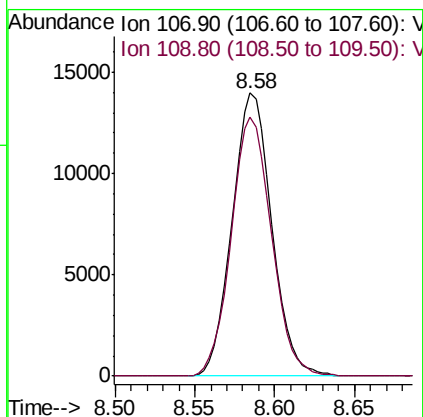
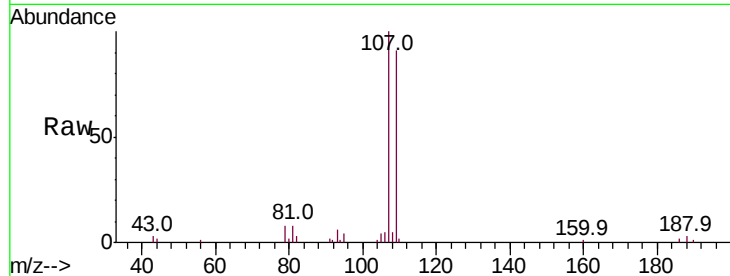




#61
 1,2-Dibromoethane
 Concen: 20.507 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

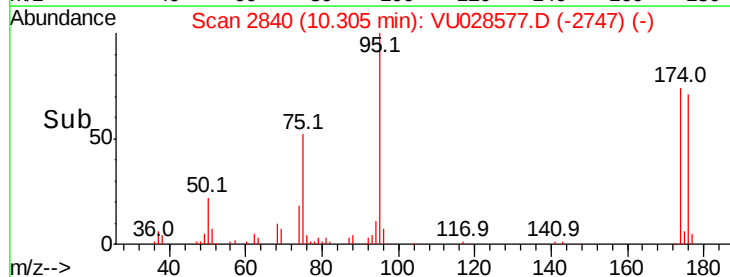
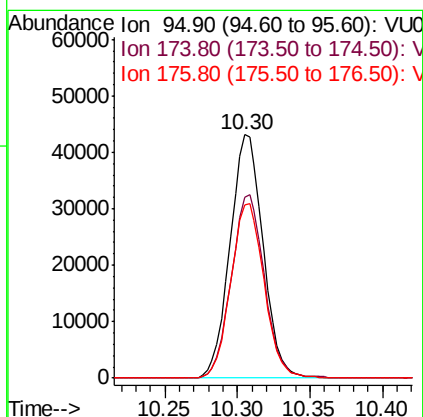
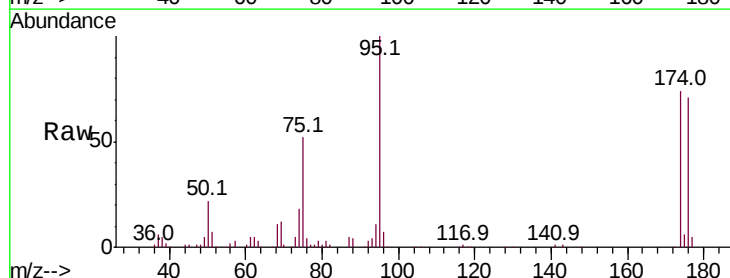
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

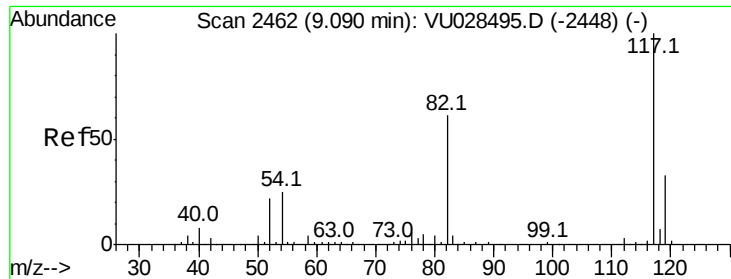
Tot Ion:107 Resp: 23543
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 50.070 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 95 Resp: 68027
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 72.3 0.0 145.2

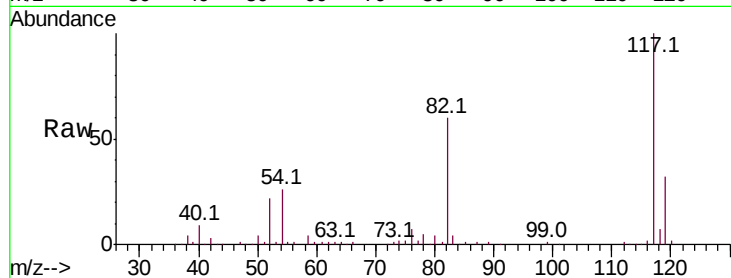




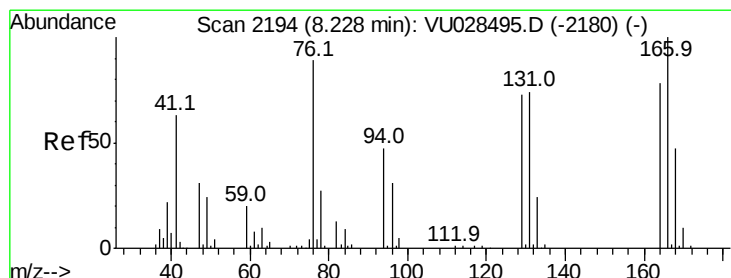
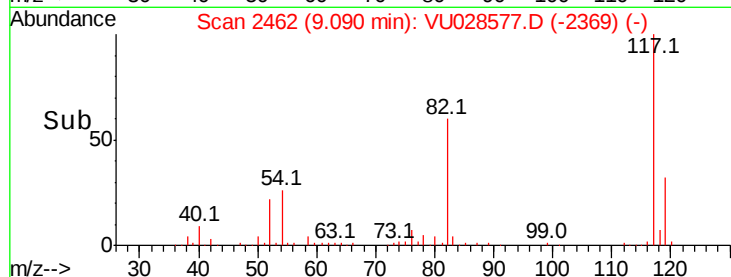
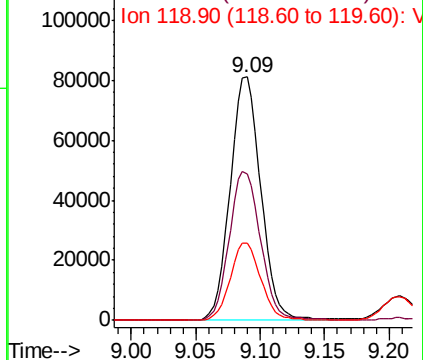
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:117 Resp: 134063
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 31.7 26.2 39.4

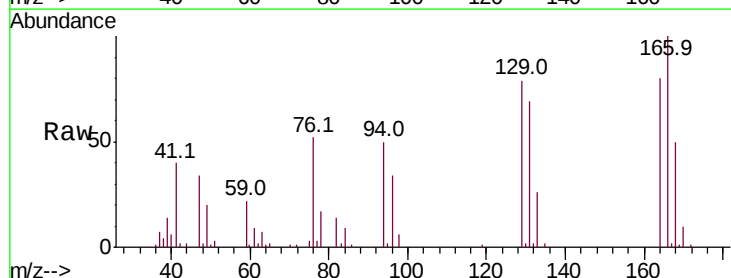


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

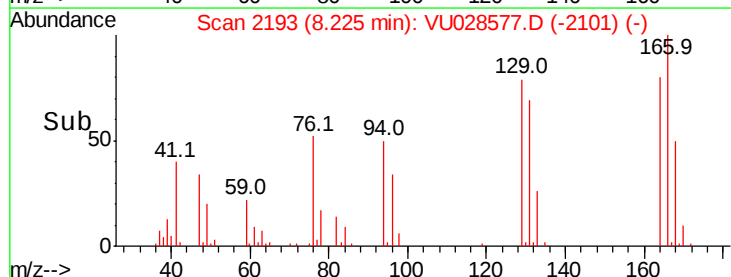
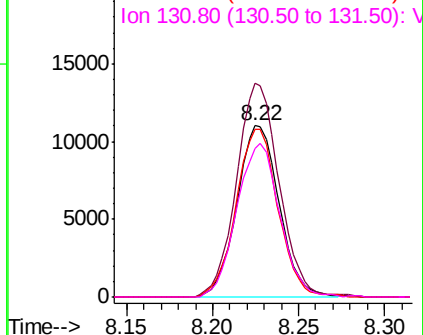


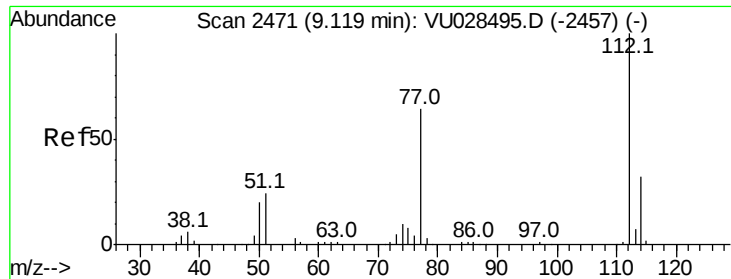
#64
Tetrachloroethene
Concen: 21.065 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:164 Resp: 18837
Ion Ratio Lower Upper
164 100
166 124.7 101.9 152.9
129 98.1 74.9 112.3
131 86.6 75.4 113.0



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

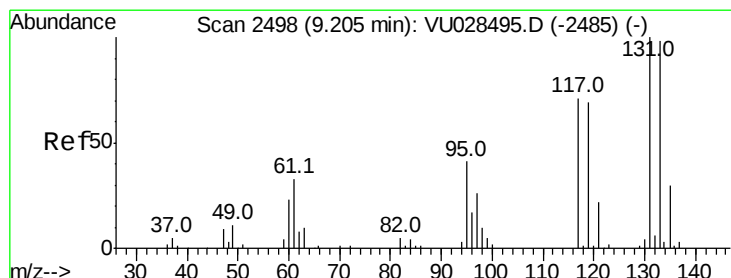
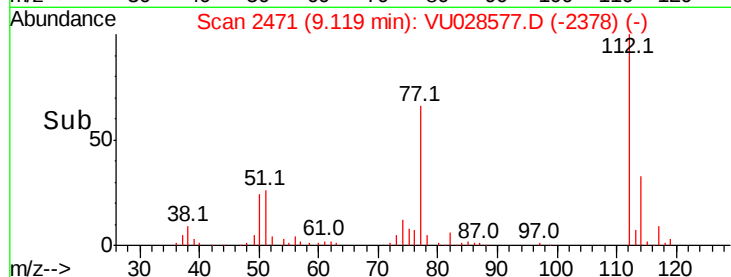
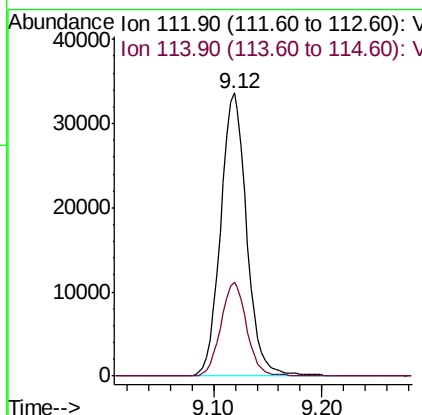
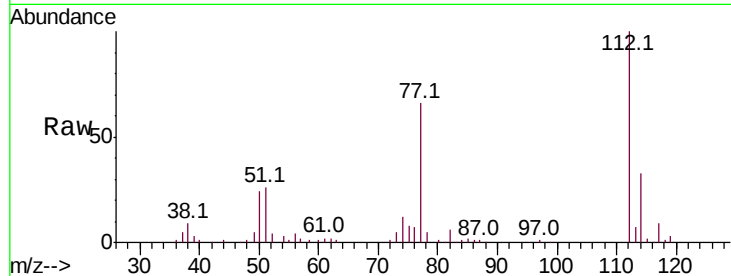




#65
Chlorobenzene
Concen: 19.778 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

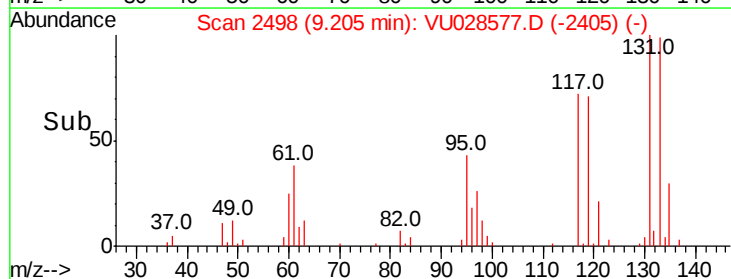
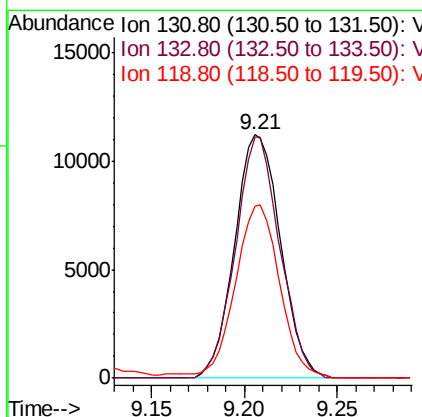
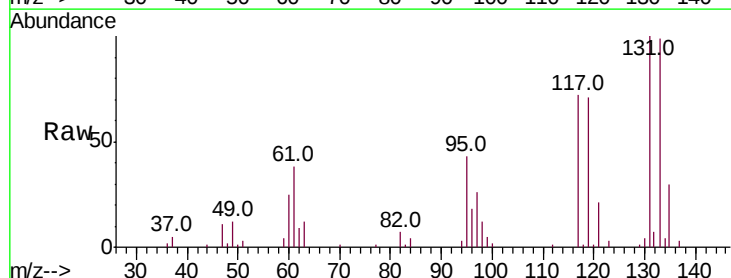
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

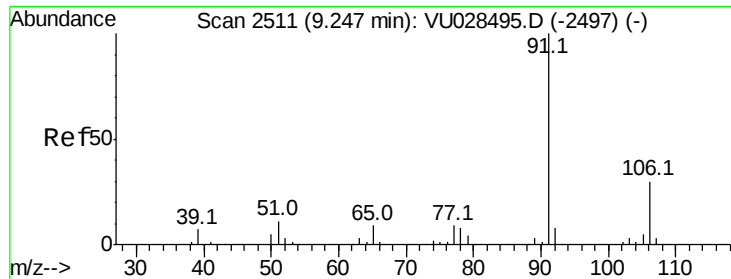
Tot Ion:112 Resp: 56502
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.079 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:131 Resp: 19229
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 68.8 34.6 103.9

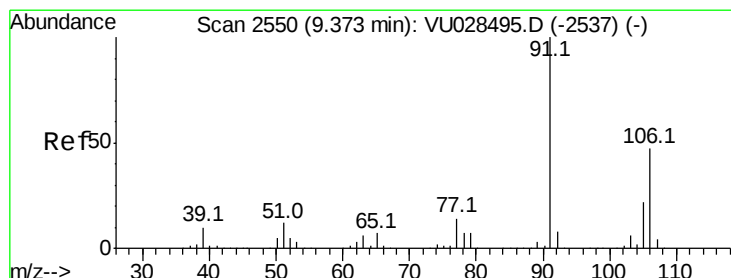
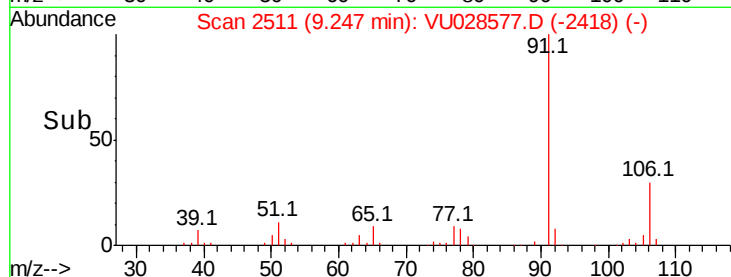
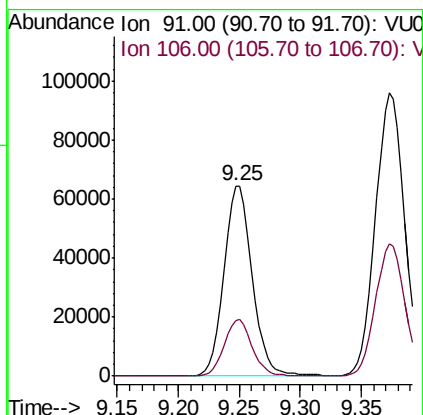
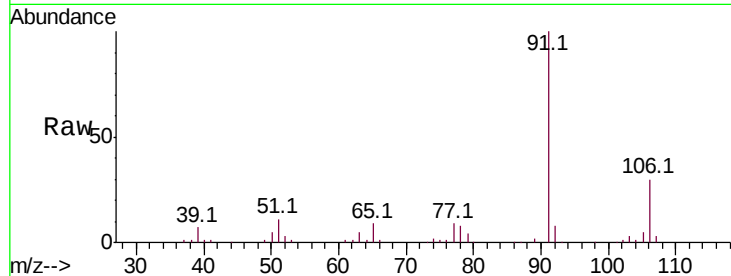




#67
Ethyl Benzene
Concen: 20.088 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

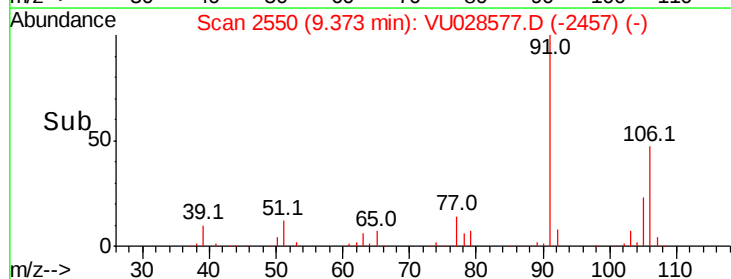
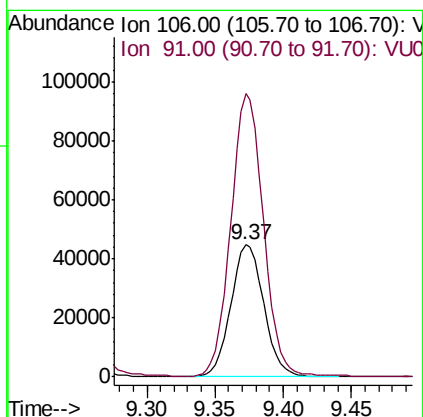
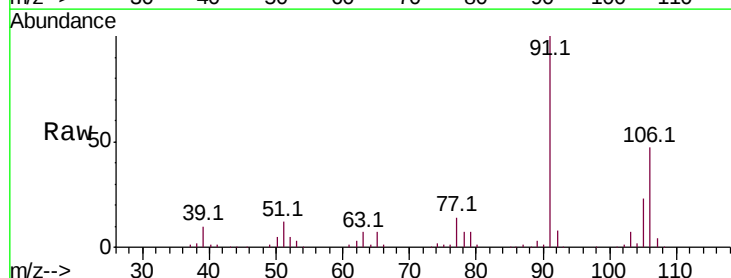
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion: 91 Resp: 105495
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#68
m/p-Xylenes
Concen: 39.185 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion: 106 Resp: 74880
Ion Ratio Lower Upper
106 100
91 212.3 167.4 251.0

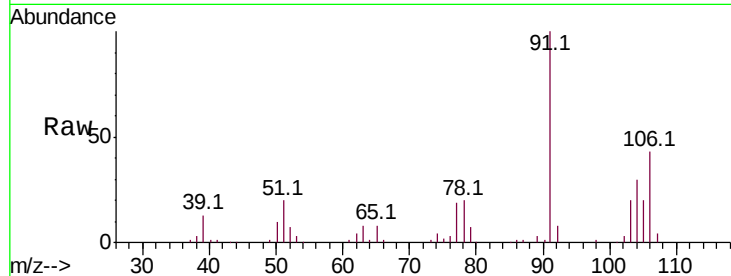




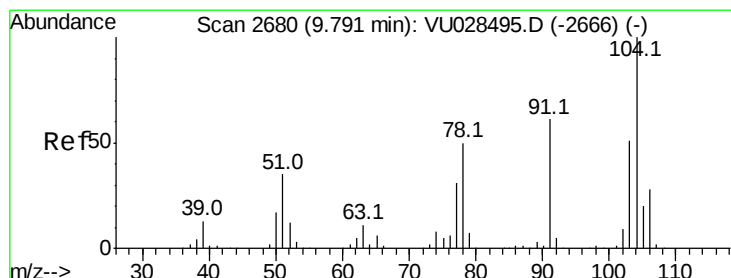
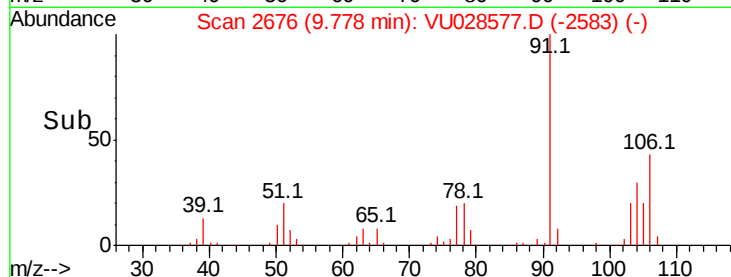
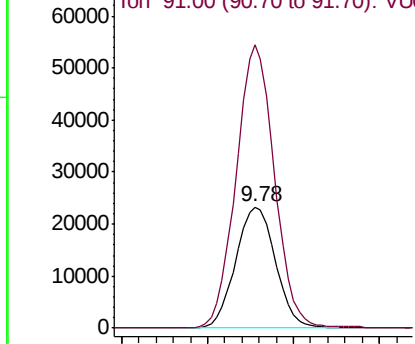
#69
o-Xylene
Concen: 20.168 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:106 Resp: 37453
Ion Ratio Lower Upper
106 100
91 225.0 111.3 334.0

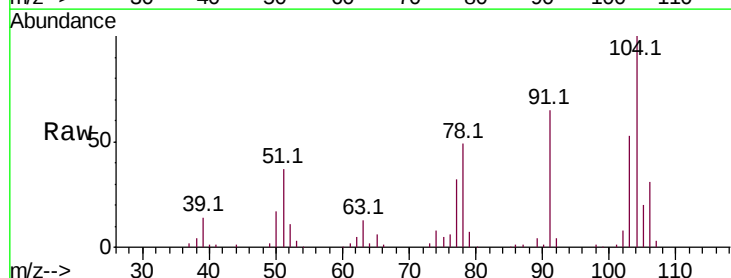


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

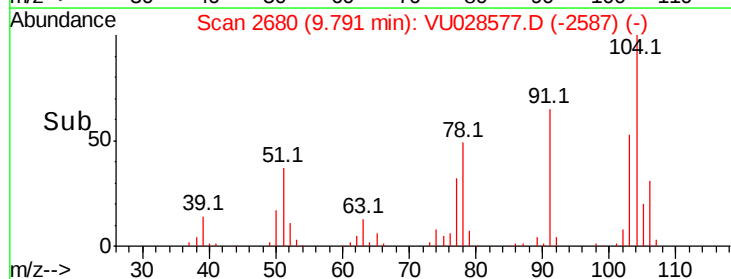
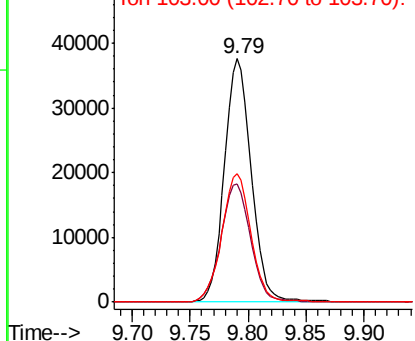


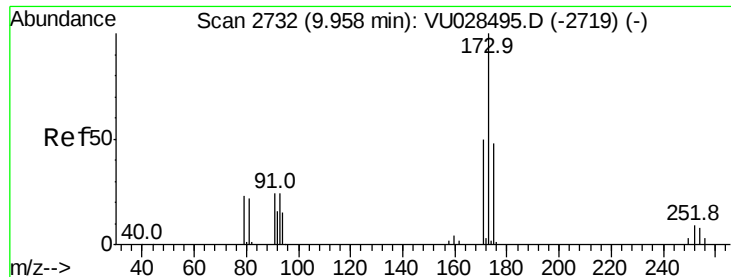
#70
Styrene
Concen: 19.588 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:104 Resp: 60198
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 56.6 44.2 66.4



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





#71

Bromoform

Concen: 20.905 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

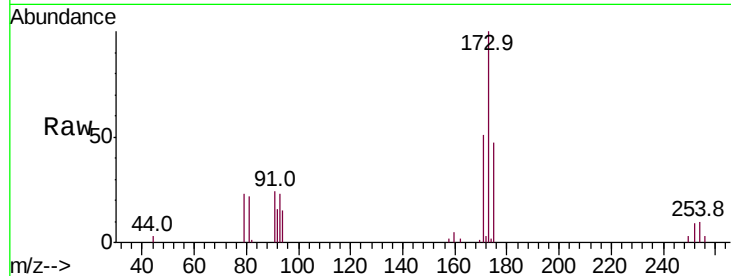
Tot Ion:173 Resp: 16223

Ion Ratio Lower Upper

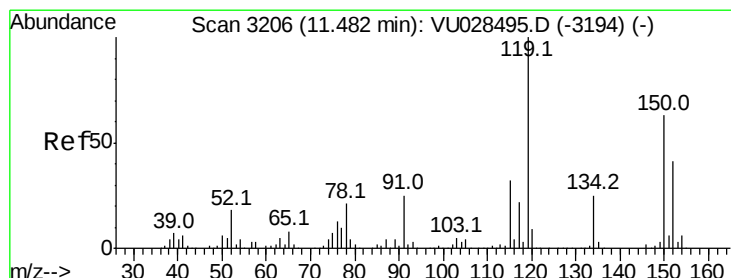
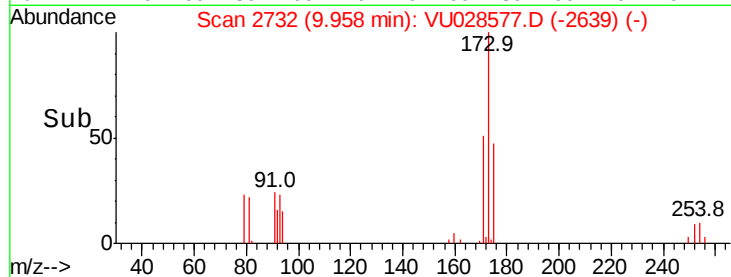
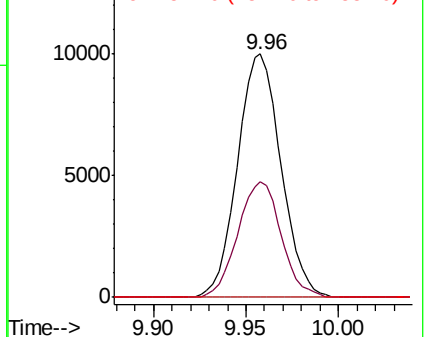
173 100

175 47.2 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

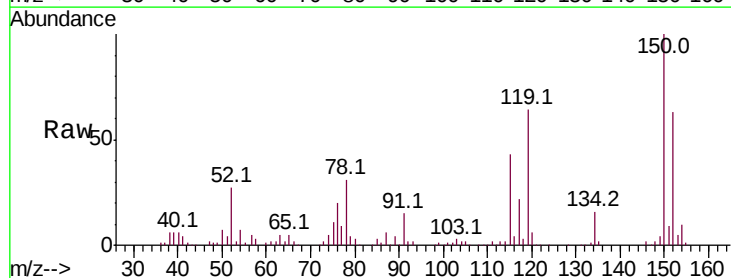
Tgt Ion:152 Resp: 63063

Ion Ratio Lower Upper

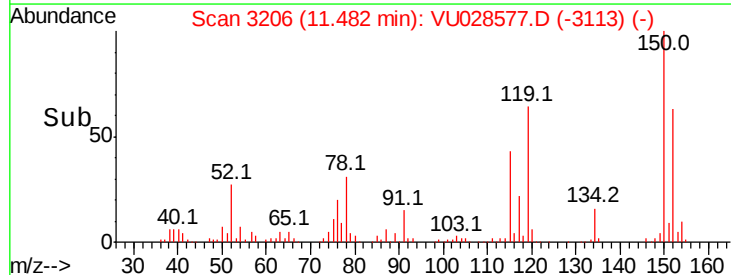
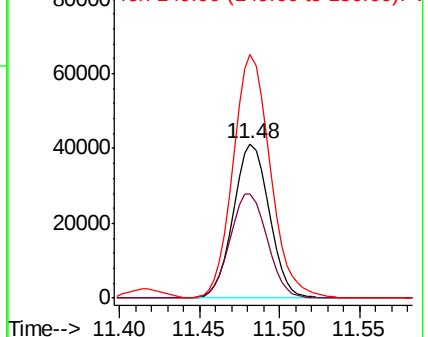
152 100

115 70.3 42.7 128.1

150 164.0 0.0 346.0



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: 20.400 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

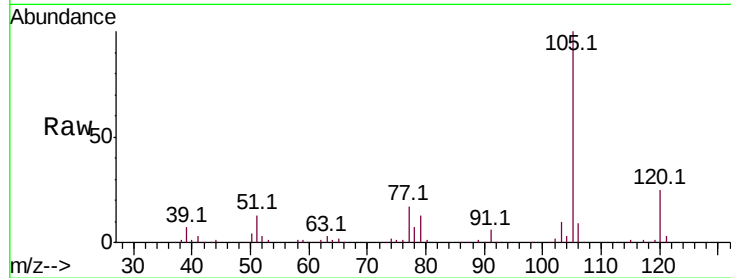
VU1211WBS02

Tot Ion: 105 Resp: 98718

Ion Ratio Lower Upper

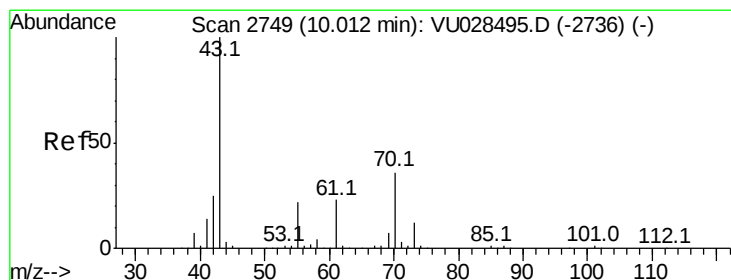
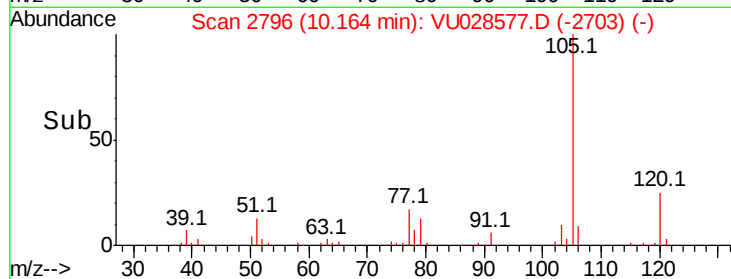
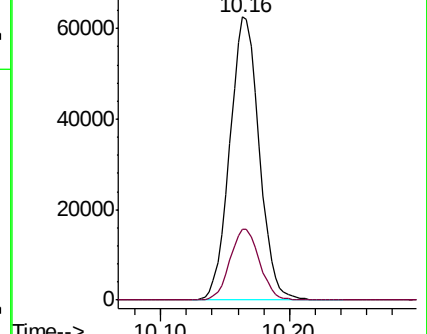
105 100

120 25.2 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.697 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion: 43 Resp: 60563

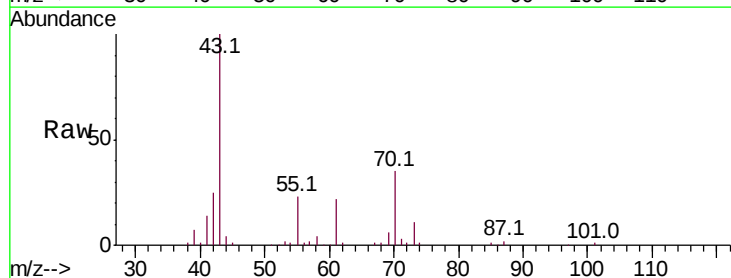
Ion Ratio Lower Upper

43 100

70 36.2 29.3 43.9

55 23.1 18.0 27.0

61 22.3 18.3 27.5

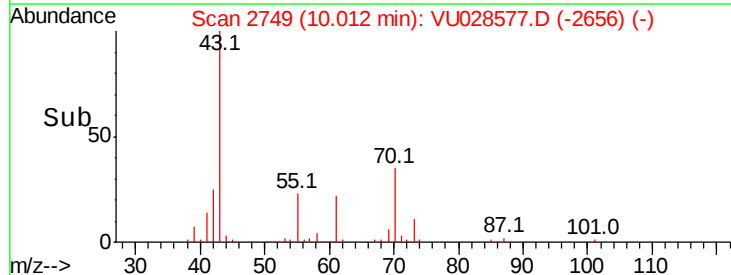
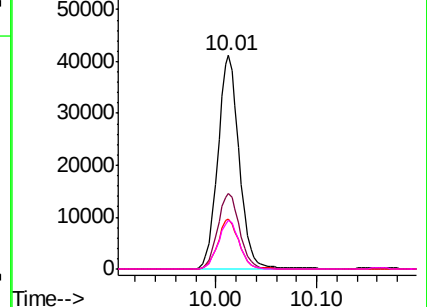


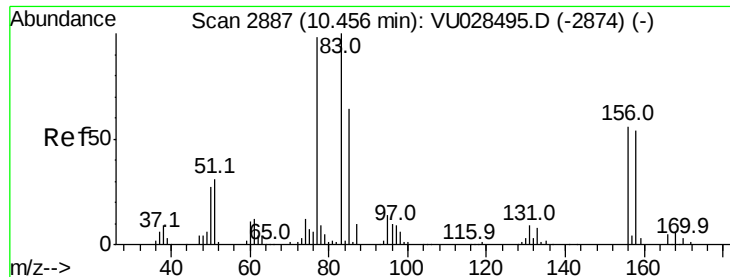
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.600 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

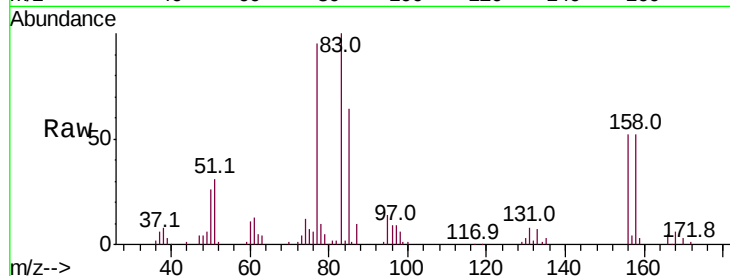
Tot Ion: 83 Resp: 42011

Ion Ratio Lower Upper

83 100

131 7.7 4.2 12.4

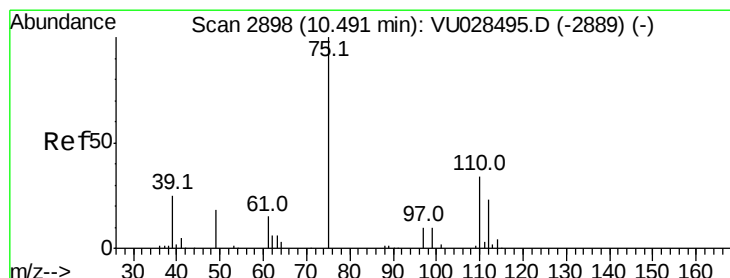
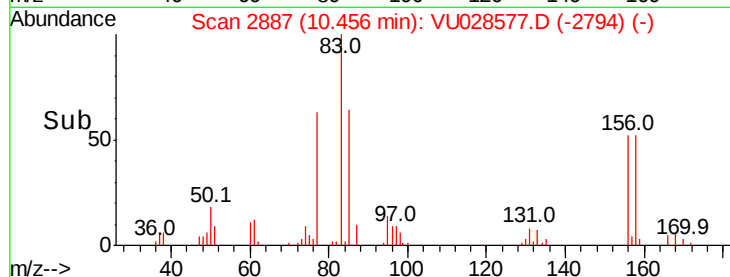
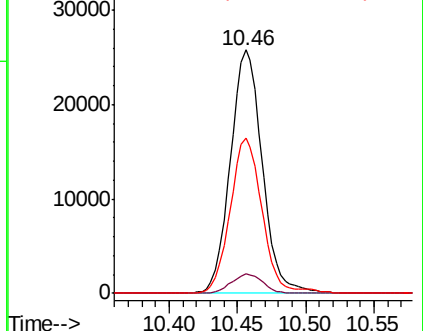
85 63.7 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 30.170 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028577.D

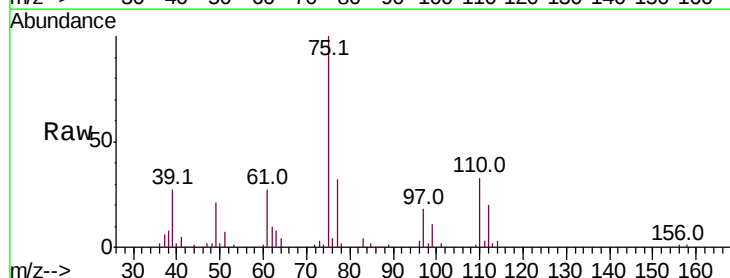
Acq: 11 Dec 2018 02:27

Tgt Ion: 75 Resp: 48583

Ion Ratio Lower Upper

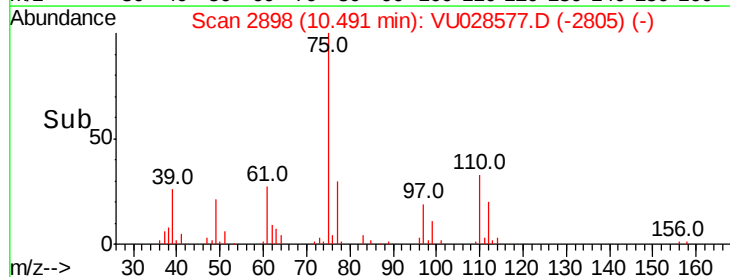
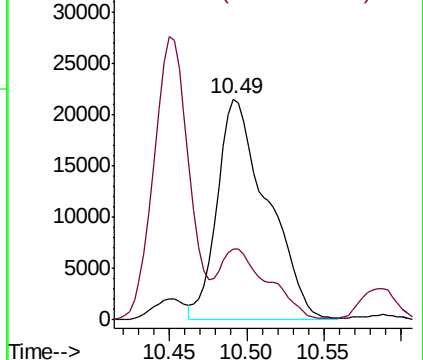
75 100

77 30.4 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.711 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

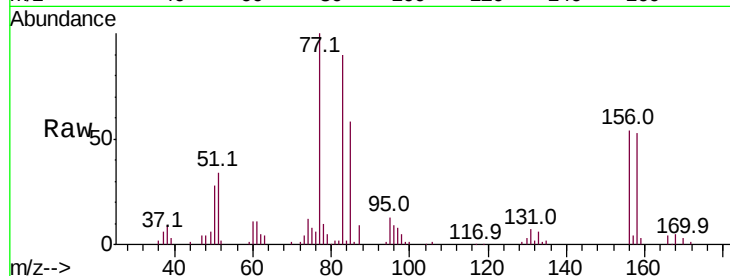
VU1211WBS02

Tot Ion:156 Resp: 23439

Ion	Ratio	Lower	Upper
156	100		
77	186.1	92.4	277.2
158	98.2	48.4	145.3

77 186.1 92.4 277.2

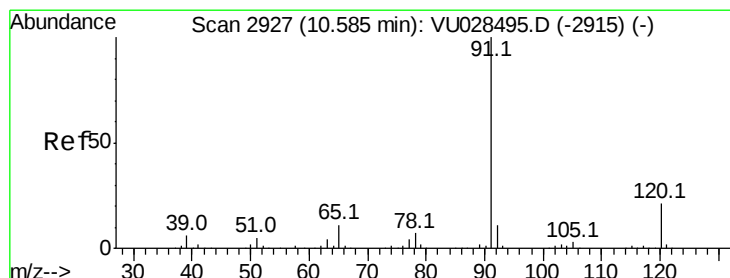
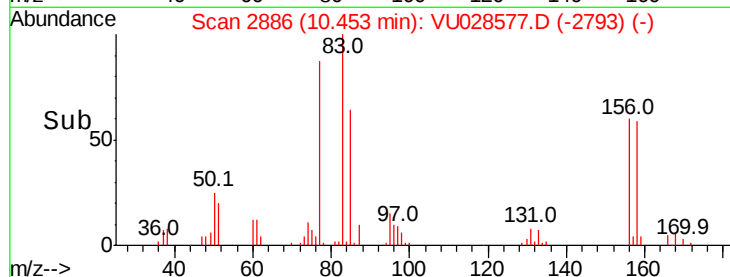
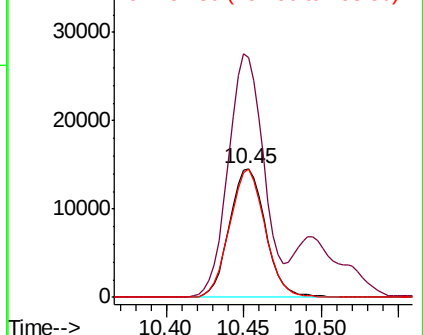
158 98.2 48.4 145.3



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: 19.626 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028577.D

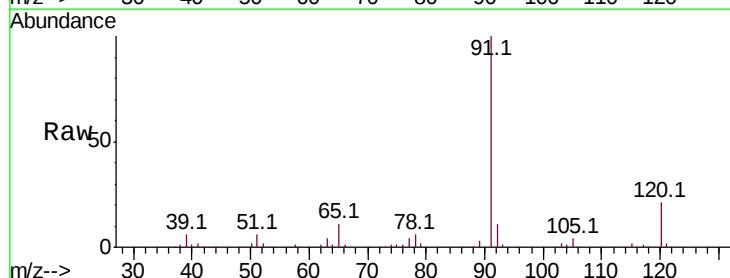
Acq: 11 Dec 2018 02:27

Tgt Ion: 91 Resp: 118008

Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8

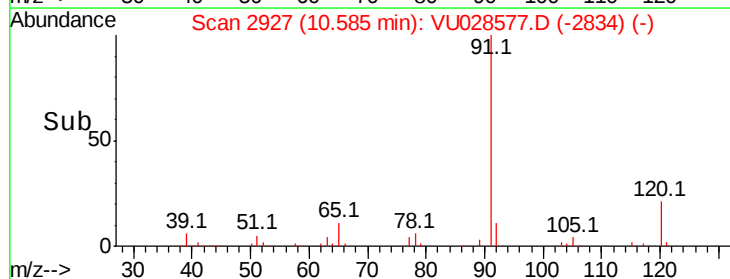
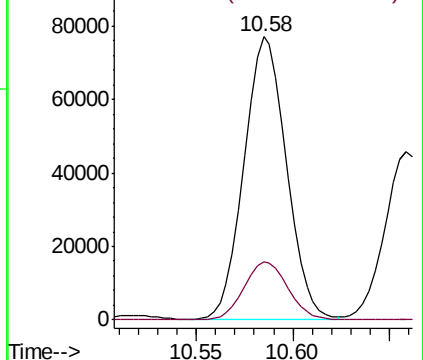
91 100

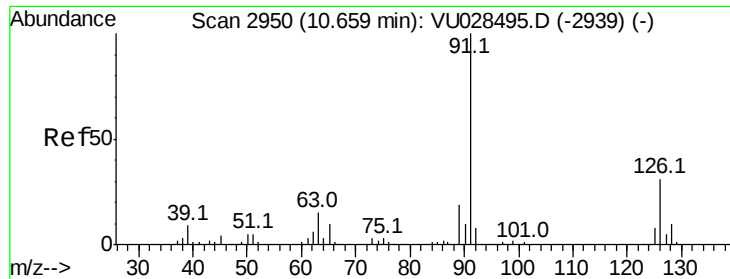
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

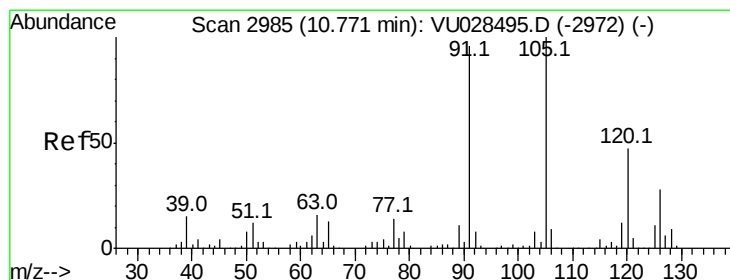
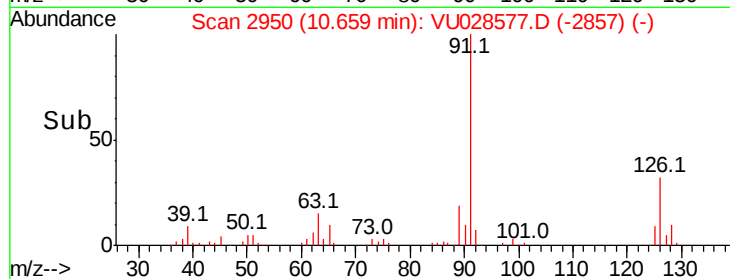
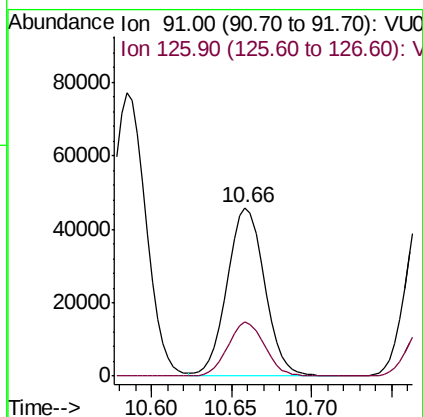
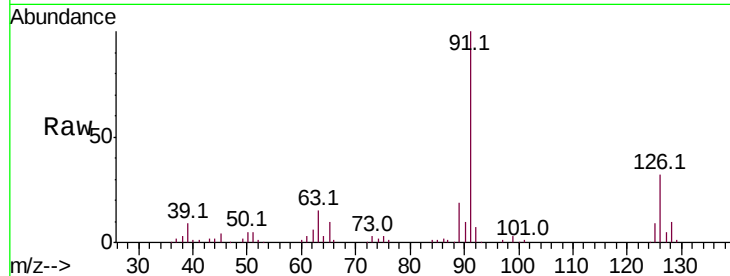




#79
 2-Chlorotoluene
 Concen: 20.991 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

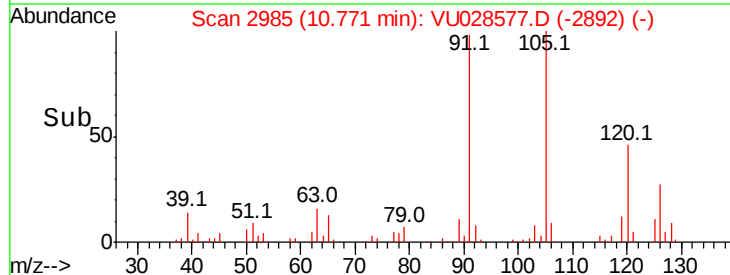
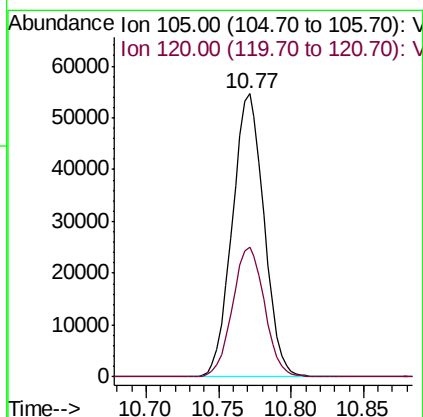
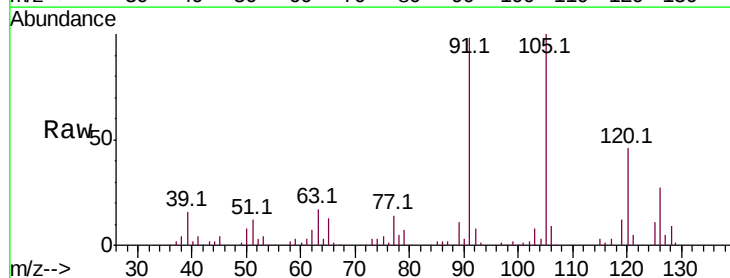
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

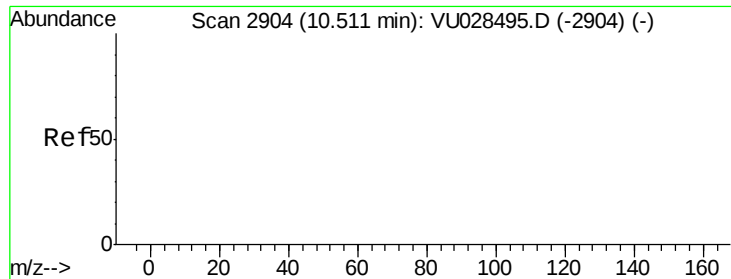
Tot Ion: 91 Resp: 72703
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.703 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion:105 Resp: 82927
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 73.924 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

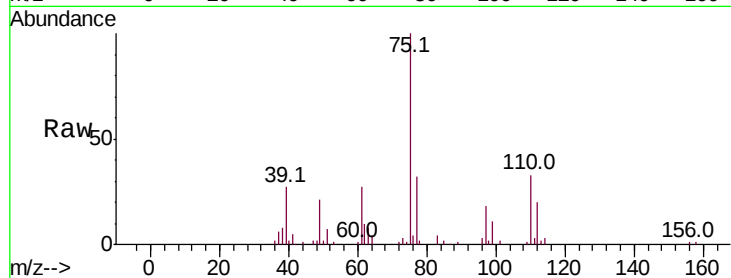
Tot Ion: 75 Resp: 48583

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

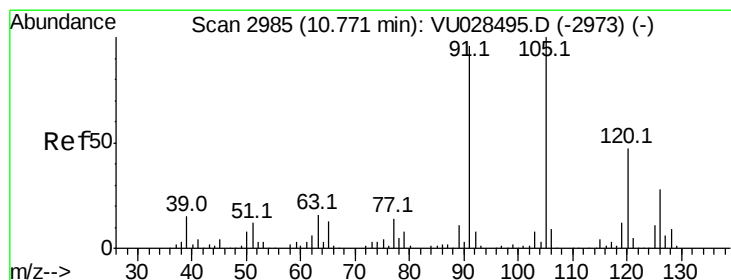
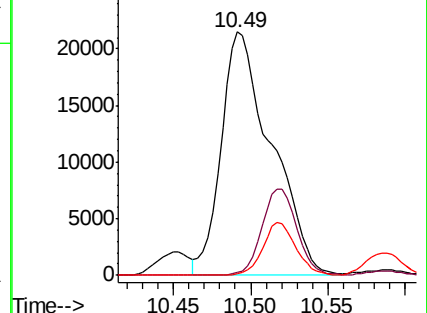
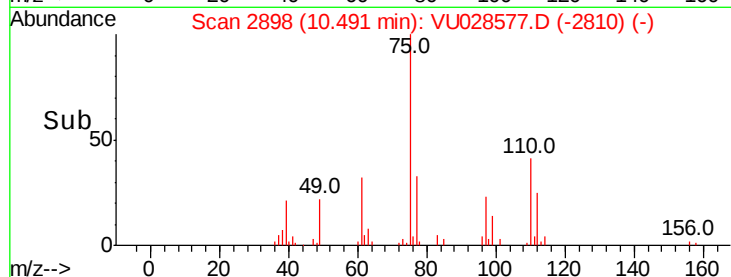
89 0.0 0.0 0.0



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: 19.828 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028577.D

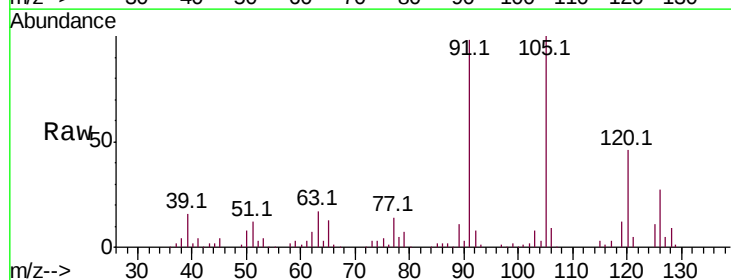
Acq: 11 Dec 2018 02:27

Tgt Ion: 91 Resp: 81383

Ion Ratio Lower Upper

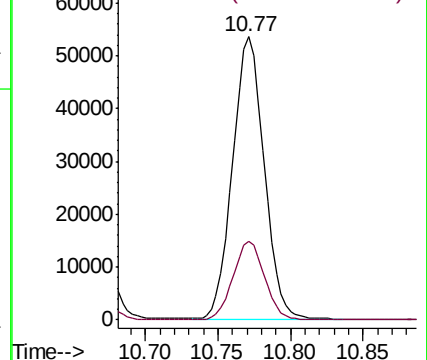
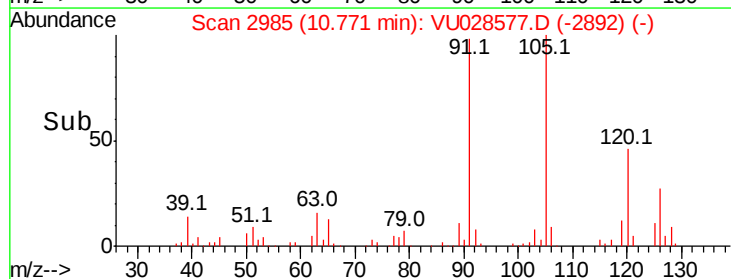
91 100

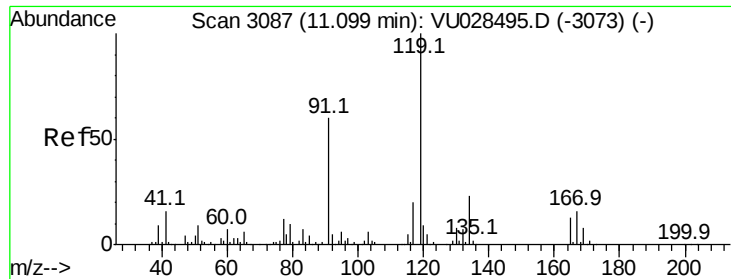
126 27.5 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

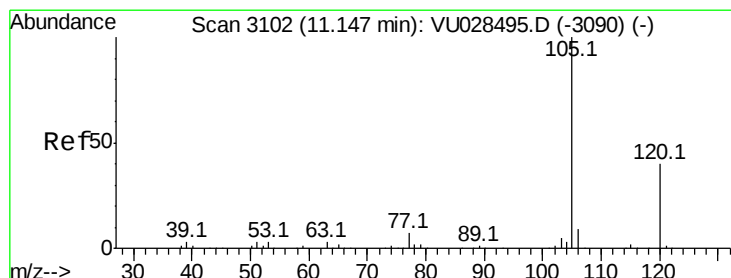
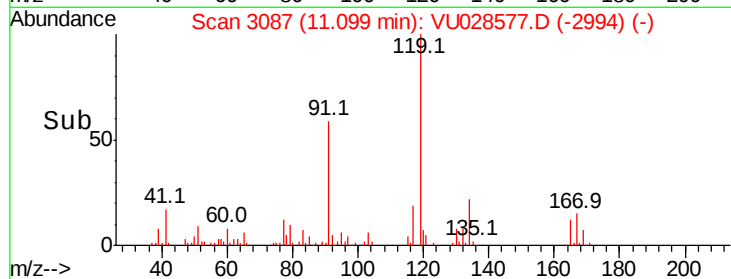
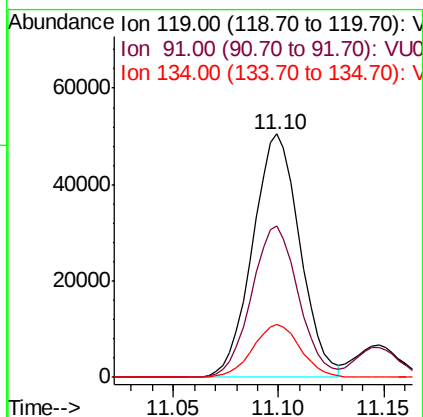
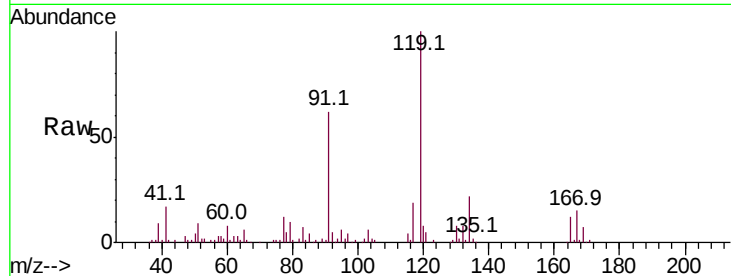




#83
tert-Butylbenzene
Concen: 20.367 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

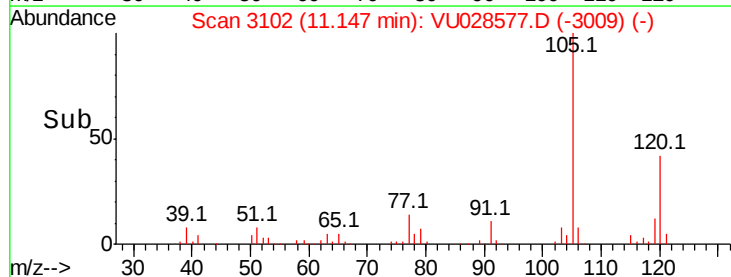
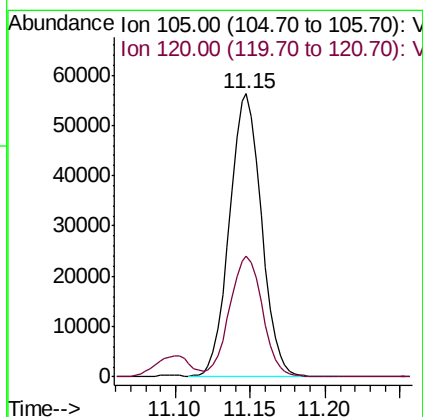
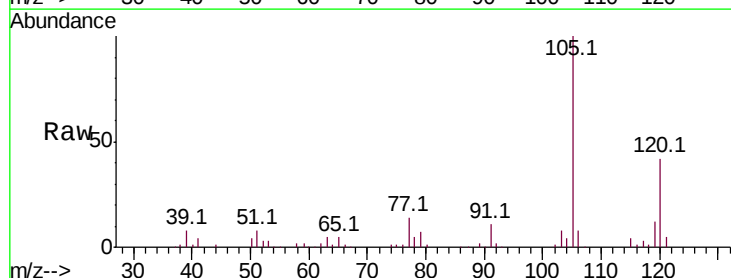
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

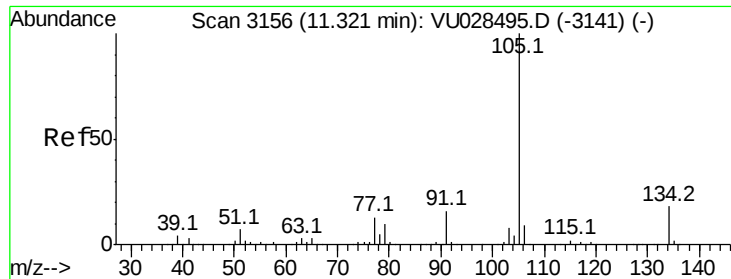
Tot Ion:119 Resp: 78635
Ion Ratio Lower Upper
119 100
91 61.9 30.3 91.0
134 21.8 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.378 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:105 Resp: 84123
Ion Ratio Lower Upper
105 100
120 43.8 21.8 65.4





#85

sec-Butylbenzene

Concen: 19.989 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

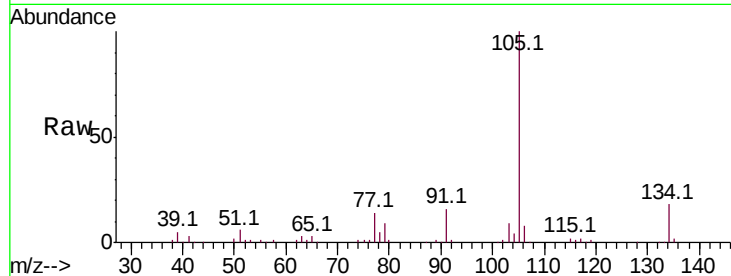
VU1211WBS02

Tot Ion:105 Resp: 99147

Ion Ratio Lower Upper

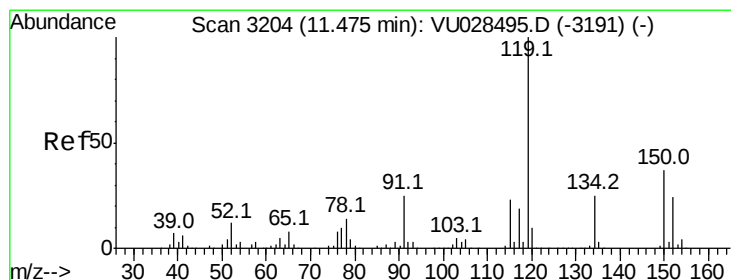
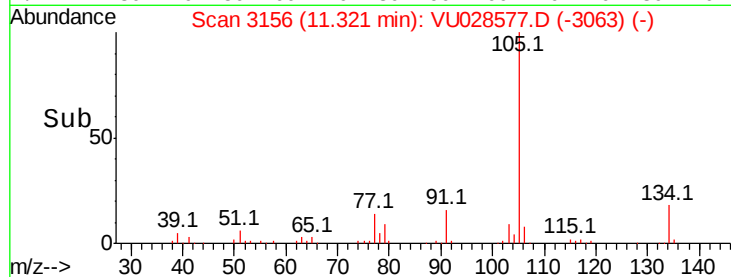
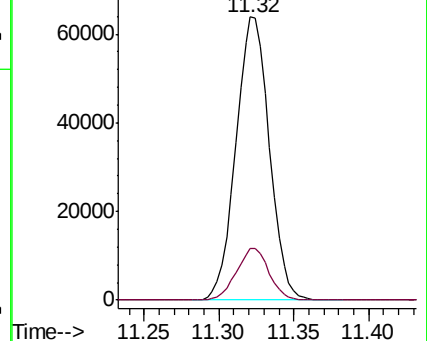
105 100

134 17.8 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.342 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

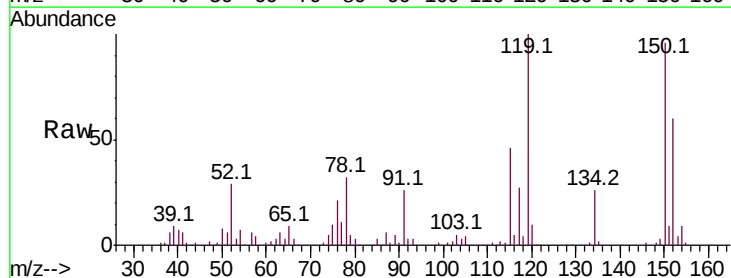
Tgt Ion:119 Resp: 81496

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

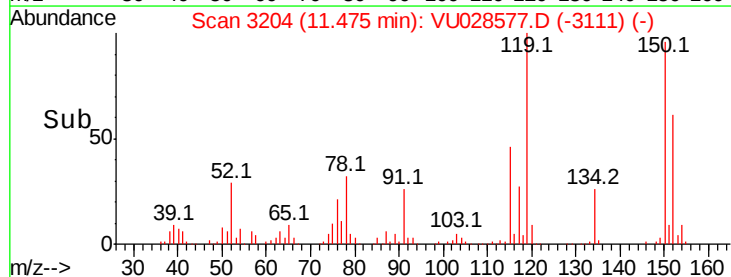
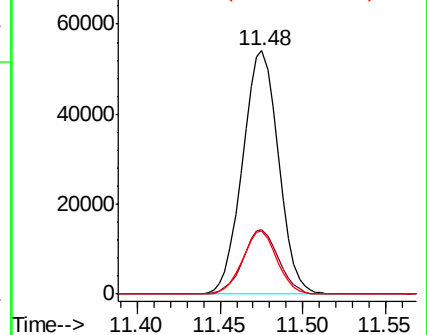
91 24.9 12.6 37.6



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: 19.308 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

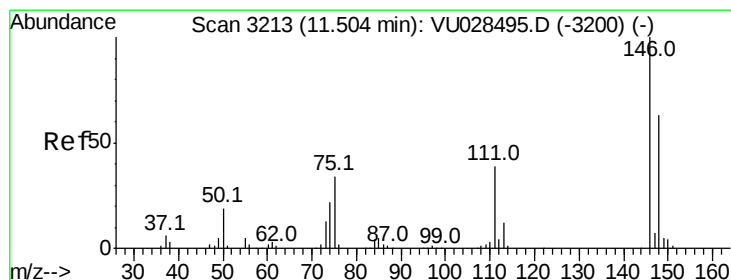
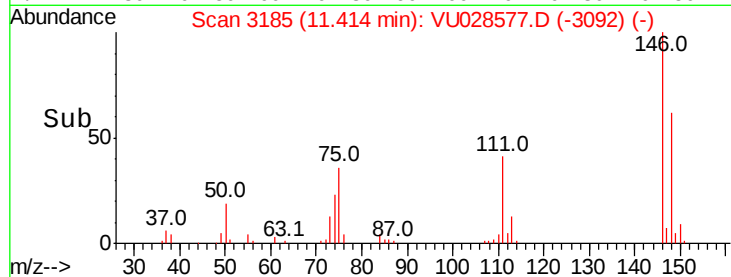
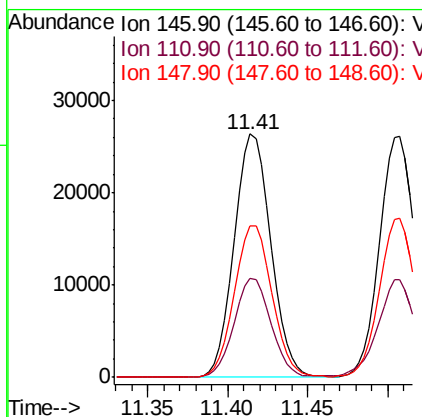
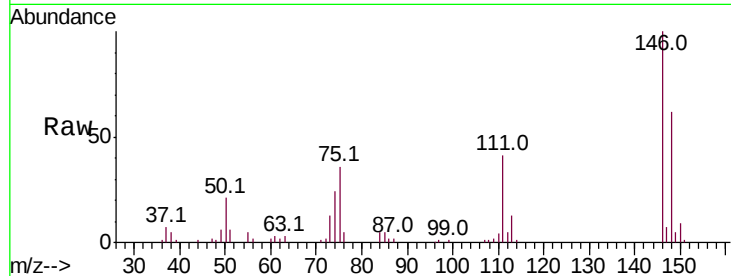
Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:146 Resp: 41261

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.9	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 18.868 ug/l

RT: 11.51 min Scan# 3214

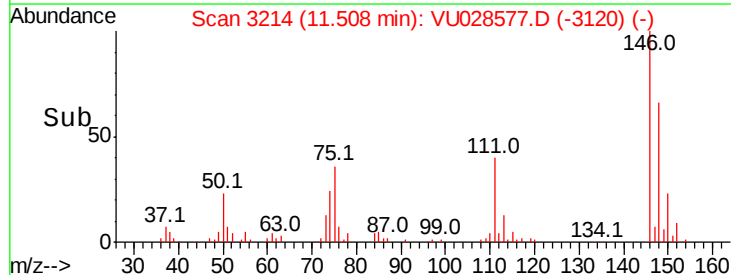
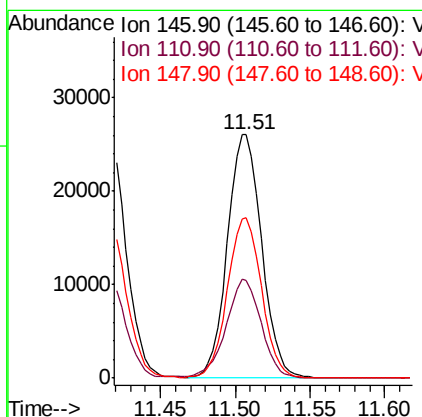
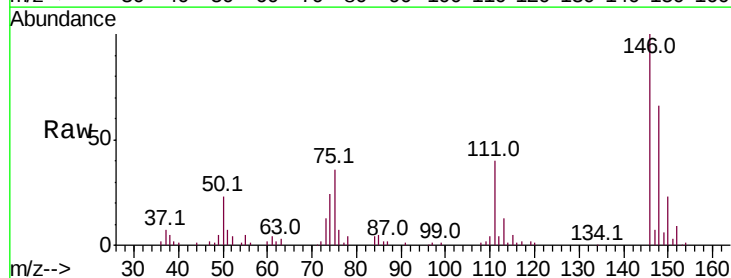
Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Tgt Ion:146 Resp: 41716

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.2	60.5
148	65.6	31.6	95.0





#89

n-Butylbenzene

Concen: 17.690 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028577.D

Acq: 11 Dec 2018 02:27

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBS02

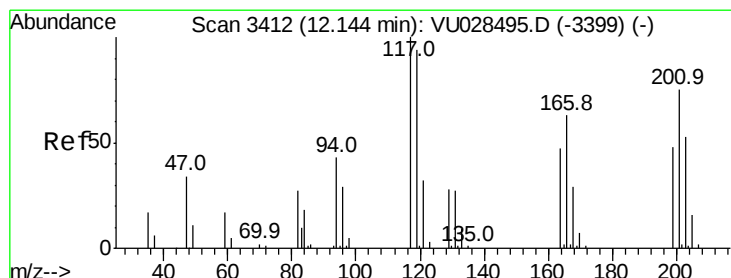
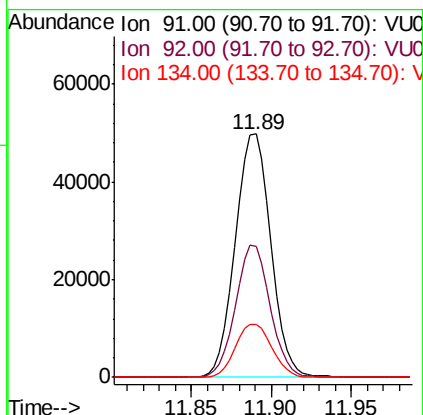
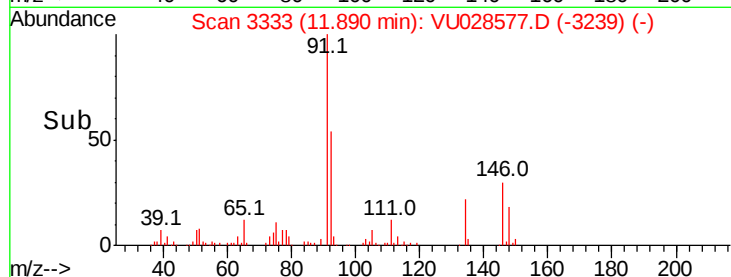
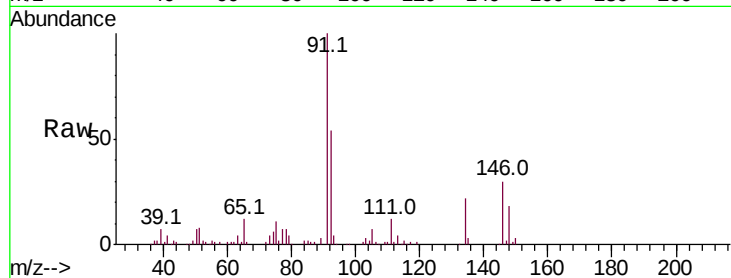
Tot Ion: 91 Resp: 75430

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

134 22.3 11.3 33.8



#90

Hexachloroethane

Concen: 18.386 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028577.D

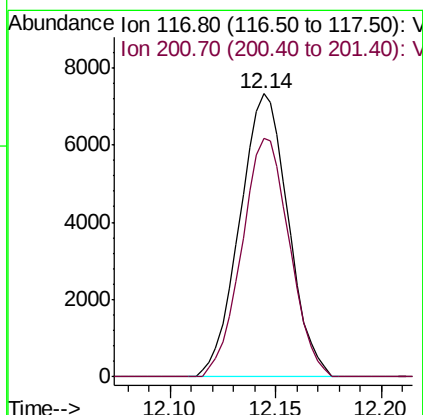
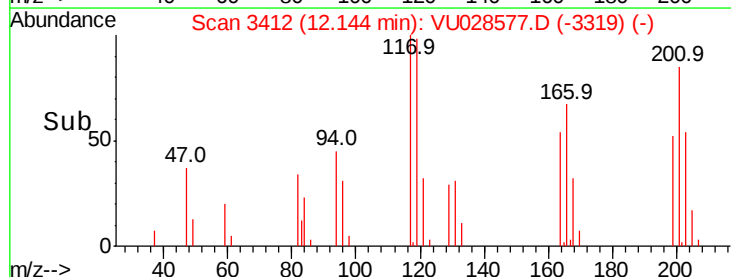
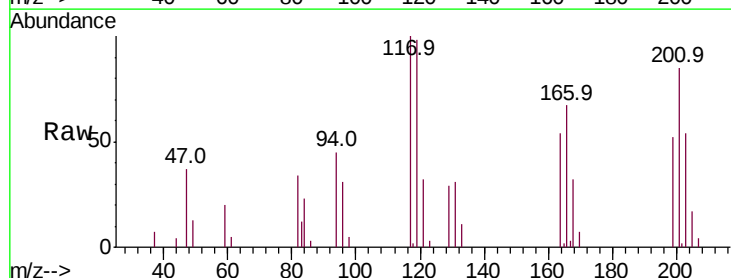
Acq: 11 Dec 2018 02:27

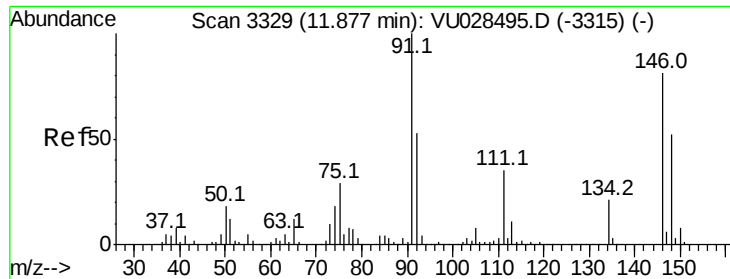
Tgt Ion: 117 Resp: 11709

Ion Ratio Lower Upper

117 100

201 82.8 38.1 114.5

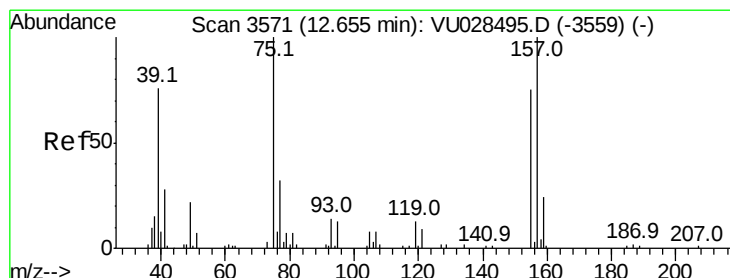
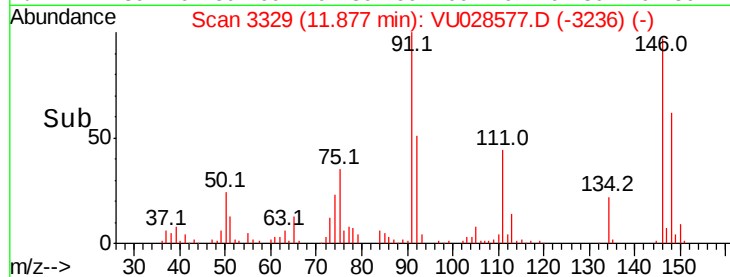
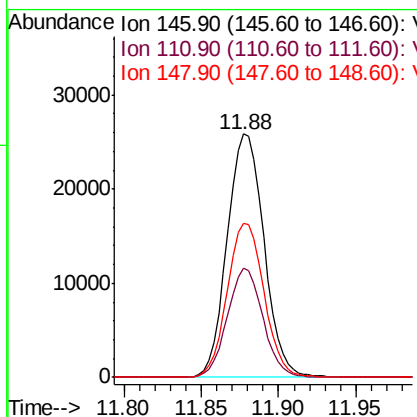
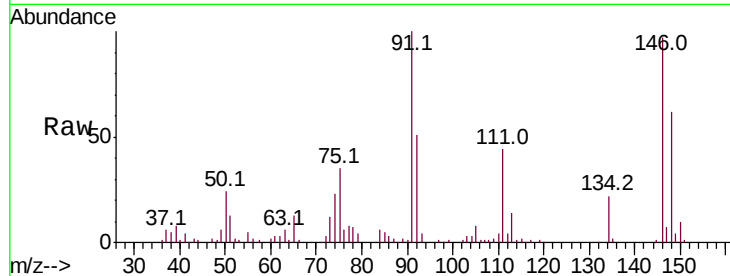




#91
 1,2-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

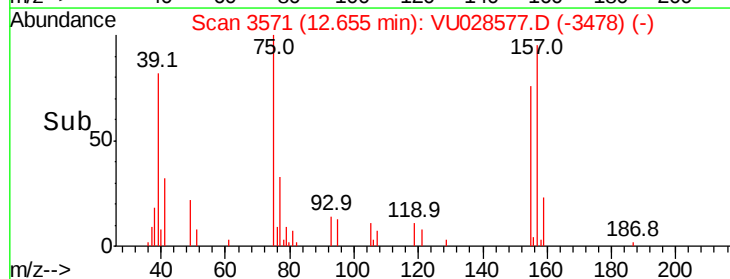
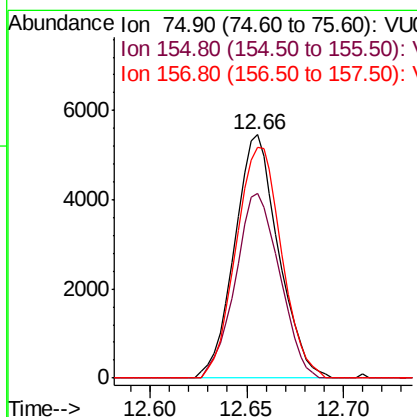
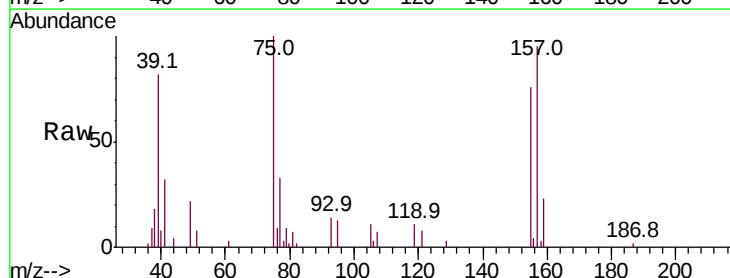
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

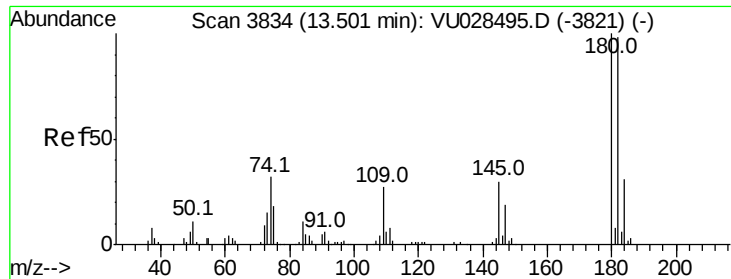
Tot Ion:146 Resp: 42701
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.4
 148 63.1 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.434 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion: 75 Resp: 8626
 Ion Ratio Lower Upper
 75 100
 155 76.3 38.1 114.5
 157 98.4 48.7 146.1

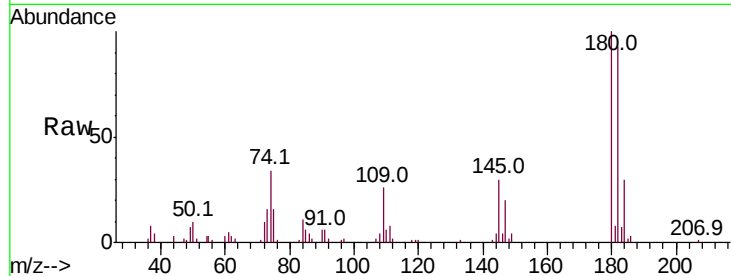




#93
 1,2,4-Trichlorobenzene
 Concen: 17.679 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	28.8	15.0	45.1

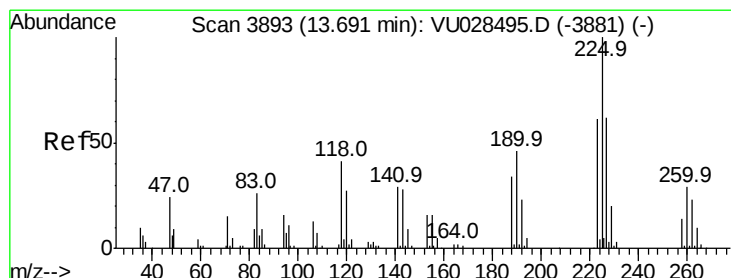
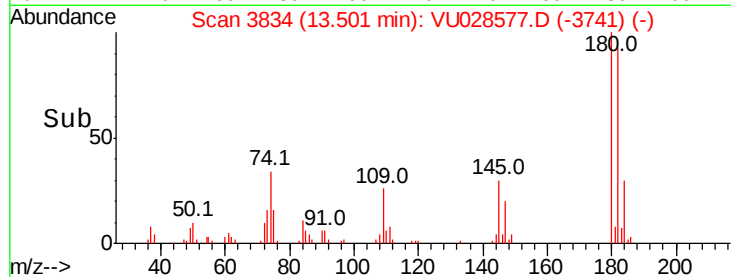
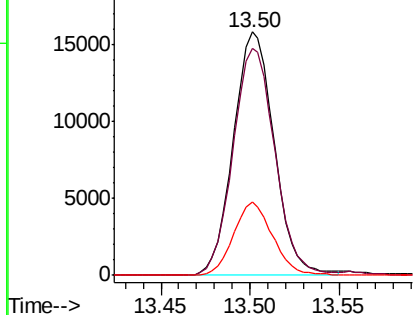


Abundance

Ion 179.80 (179.50 to 180.50): V

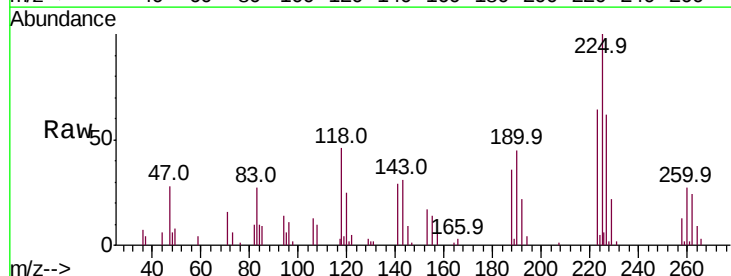
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.182 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028577.D
 Acq: 11 Dec 2018 02:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.4	91.2
227	64.4	30.7	92.1

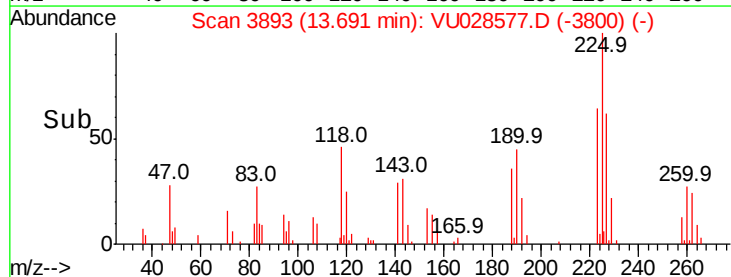
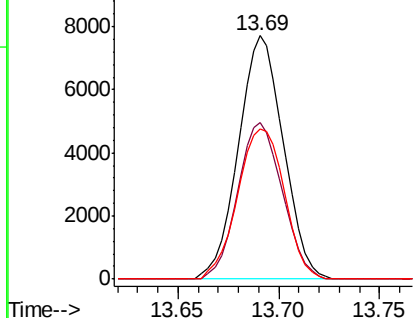


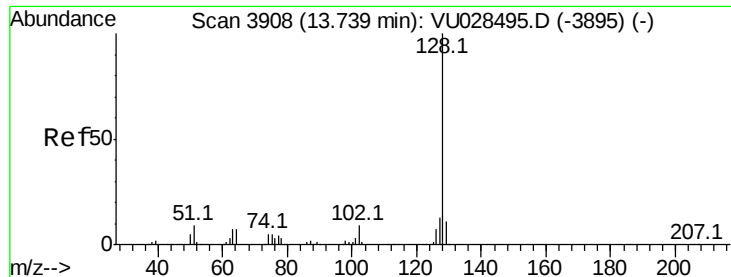
Abundance

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

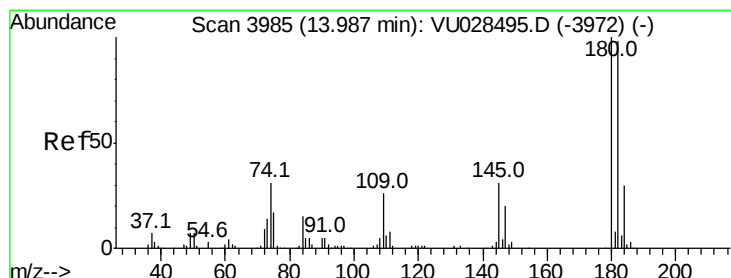
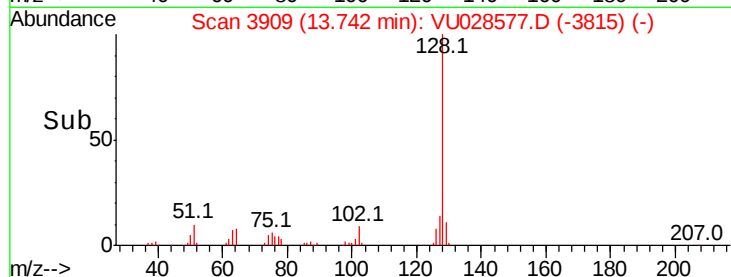
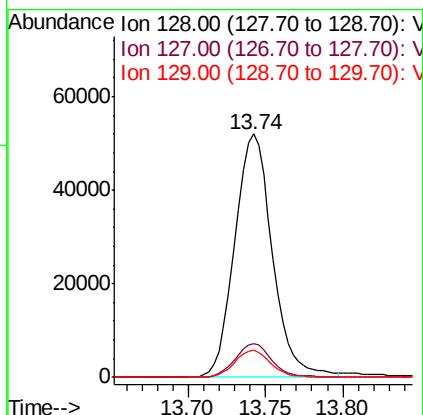
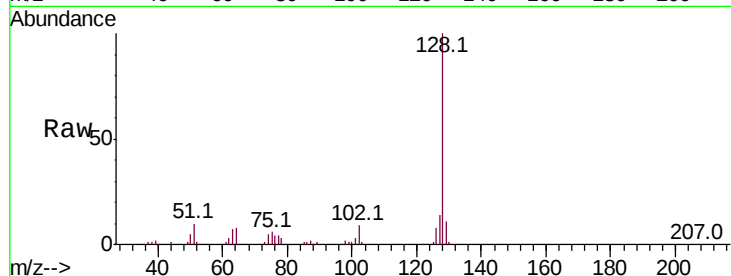




#95
Naphthalene
Concen: 17.209 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBS02

Tot Ion:128 Resp: 88270
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.026 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028577.D
Acq: 11 Dec 2018 02:27

Tgt Ion:180 Resp: 26215
Ion Ratio Lower Upper
180 100
182 94.4 48.2 144.6
145 31.4 15.8 47.3

