

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
 Data File : VU028497.D
 Acq On : 06 Dec 2018 13:19
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:15:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	109619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191700	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	253447	151.51	ug/l	0.00
Spiked Amount			Recovery	=	303.02%	
35) Dibromofluoromethane	4.88	113	187928	155.78	ug/l	0.00
Spiked Amount			Recovery	=	311.56%	
50) Toluene-d8	7.57	98	753559	157.91	ug/l	0.00
Spiked Amount			Recovery	=	315.82%	
62) 4-Bromofluorobenzene	10.31	95	290419	162.82	ug/l	0.00
Spiked Amount			Recovery	=	325.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	220578	150.125	ug/l	100
3) Chloromethane	1.33	50	403322	149.308	ug/l	100
4) Vinyl Chloride	1.40	62	293817	150.721	ug/l	99
5) Bromomethane	1.60	94	126294	160.830	ug/l	99
6) Chloroethane	1.68	64	166060	150.469	ug/l	99
7) Trichlorofluoromethane	1.88	101	304581	148.505	ug/l	100
8) Diethyl Ether	2.10	74	137734	143.537	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	182754	148.988	ug/l	98
10) Methyl Iodide	2.41	142	161161	167.443	ug/l	99
11) Tert butyl alcohol	2.83	59	265007	711.035	ug/l	100
12) 1,1-Dichloroethene	2.28	96	181086	148.373	ug/l	99
13) Acrolein	2.19	56	225695	759.615	ug/l	100
14) Allyl chloride	2.59	41	446560	154.666	ug/l	94
15) Acrylonitrile	2.94	53	772524	746.581	ug/l	99
16) Acetone	2.32	43	697935	639.359	ug/l	99
17) Carbon Disulfide	2.47	76	644478	146.579	ug/l	99
18) Methyl Acetate	2.61	43	423727	149.740	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	682779	147.573	ug/l	99
20) Methylene Chloride	2.70	84	227423	141.326	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	202238	147.172	ug/l	99
22) Diisopropyl ether	3.57	45	833334	148.419	ug/l	96
23) Vinyl Acetate	3.52	43	3548856	766.282	ug/l	100
24) 1,1-Dichloroethane	3.44	63	424410	144.402	ug/l	99
25) 2-Butanone	4.26	43	1081397	724.893	ug/l	99
26) 2,2-Dichloropropane	4.22	77	336802	144.625	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	234019	150.461	ug/l	98
28) Bromochloromethane	4.55	49	190995	142.949	ug/l	99
29) Tetrahydrofuran	4.64	42	714622	745.879	ug/l	99
30) Chloroform	4.67	83	382894	149.475	ug/l	97
31) Cyclohexane	5.00	56	422910	122.663	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	315024	148.074	ug/l	99
36) 1,1-Dichloropropene	5.13	75	311501	148.493	ug/l	99
37) Ethyl Acetate	4.38	43	404614	149.207	ug/l	99
38) Carbon Tetrachloride	5.13	117	255235	150.957	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	381700	149.147	ug/l	98
40) Benzene	5.39	78	921957	149.224	ug/l	99
41) Methacrylonitrile	4.54	41	231176	155.665	ug/l	98
42) 1,2-Dichloroethane	5.40	62	319099	147.551	ug/l	99
43) Isopropyl Acetate	5.55	43	655922	152.924	ug/l	100
44) Trichloroethene	6.18	130	206284	150.162	ug/l	98
45) 1,2-Dichloropropane	6.43	63	264392	152.177	ug/l	98
46) Dibromomethane	6.56	93	155361	150.712	ug/l	99
47) Bromodichloromethane	6.76	83	303454	151.275	ug/l	99
48) Methyl methacrylate	6.62	41	333330	156.271	ug/l	98
49) 1,4-Dioxane	6.61	88	96218	2856.842	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	2079582	768.722	ug/l	100
52) Toluene	7.64	92	551461	151.664	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	378092	158.259	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	398363	153.691	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	219329	152.597	ug/l	96
56) Ethyl methacrylate	8.02	69	399370	162.258	ug/l	99
57) 1,3-Dichloropropane	8.24	76	402154	150.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1022863	811.346	ug/l	99
59) 2-Hexanone	8.36	43	1640260	764.977	ug/l	99
60) Dibromochloromethane	8.48	129	219511	155.990	ug/l	99
61) 1,2-Dibromoethane	8.58	107	236187	156.700	ug/l	98
64) Tetrachloroethene	8.23	164	174878	142.358	ug/l	99
65) Chlorobenzene	9.12	112	580596	147.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	194604	155.286	ug/l	99
67) Ethyl Benzene	9.25	91	1083897	150.242	ug/l	99
68) m/p-Xylenes	9.38	106	804229	306.361	ug/l	99
69) o-Xylene	9.78	106	391258	153.370	ug/l	100
70) Styrene	9.79	104	665804	157.705	ug/l	99
71) Bromoform	9.96	173	176378	165.445	ug/l #	99
73) Isopropylbenzene	10.17	105	1038978	139.748	ug/l	100
74) N-amyl acetate	10.01	43	629913	146.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	415948	145.642	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	505968	181.013	ug/l	83
77) Bromobenzene	10.45	156	251840	144.838	ug/l	100
78) n-propylbenzene	10.59	91	1317667	142.632	ug/l	100
79) 2-Chlorotoluene	10.66	91	752764	141.459	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	893609	145.204	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	505968	366.010	ug/l #	100
82) 4-Chlorotoluene	10.77	91	902453	143.111	ug/l	100
83) tert-Butylbenzene	11.10	119	860256	145.025	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	918008	144.742	ug/l	99
85) sec-Butylbenzene	11.32	105	1104056	144.882	ug/l	100
86) p-Isopropyltoluene	11.48	119	944074	145.842	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	473157	144.112	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	478684	140.917	ug/l	99
89) n-Butylbenzene	11.89	91	993212	151.607	ug/l	100
90) Hexachloroethane	12.14	117	152851	156.223	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	469954	143.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	94207	152.362	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration

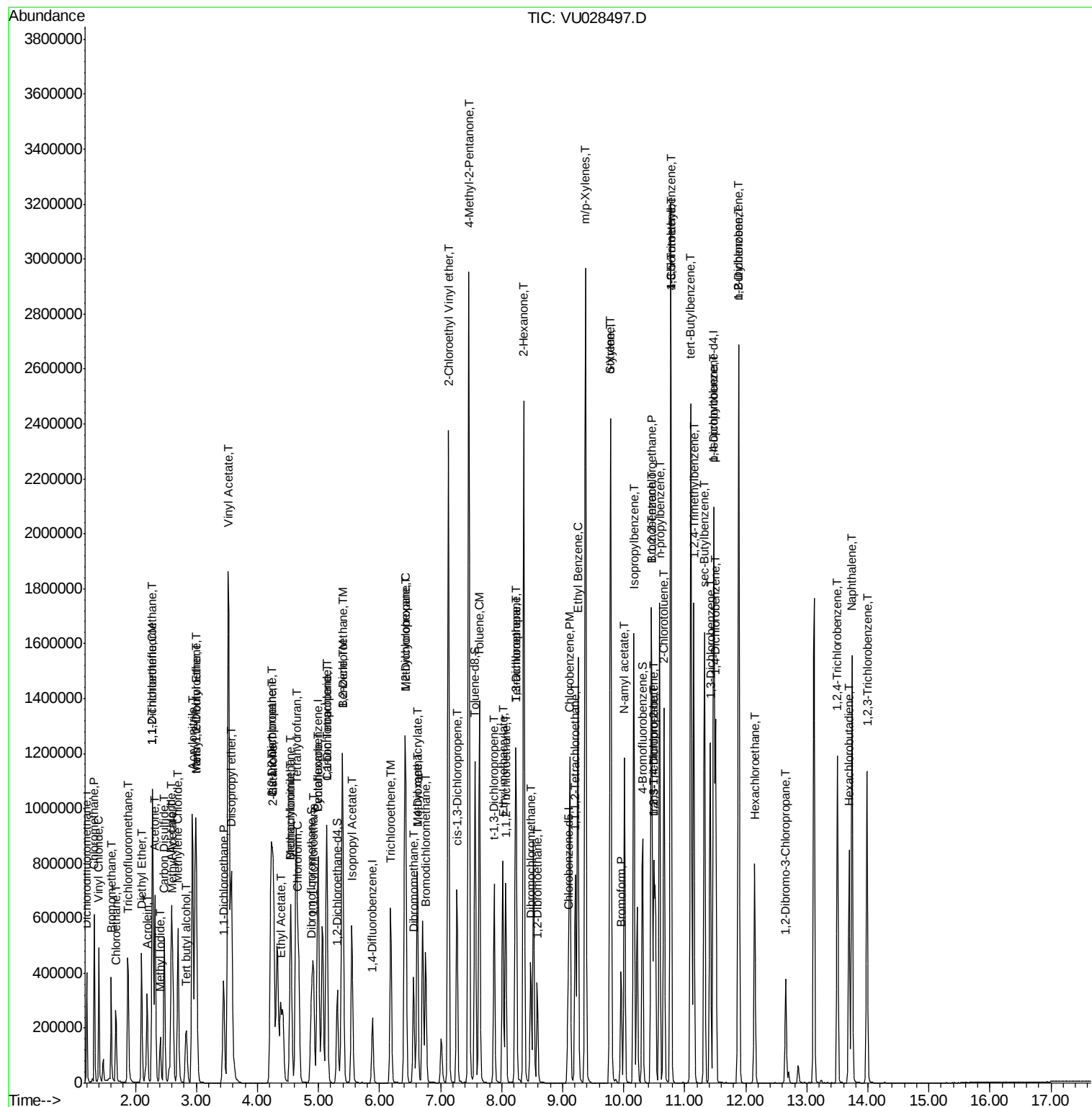
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	344058	146.124	ug/l	100
94) Hexachlorobutadiene	13.69	225	151604	140.924	ug/l	97
95) Naphthalene	13.74	128	1160890	147.307	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	338307	142.815	ug/l	100

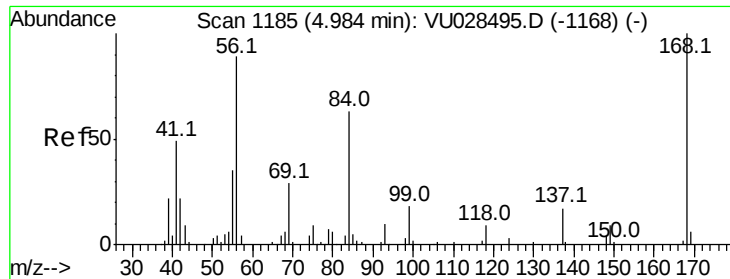
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

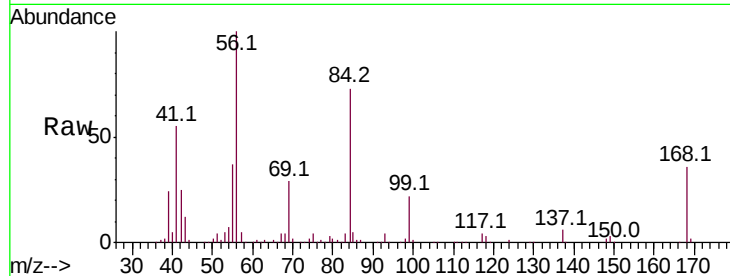
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 109619

Ion Ratio Lower Upper

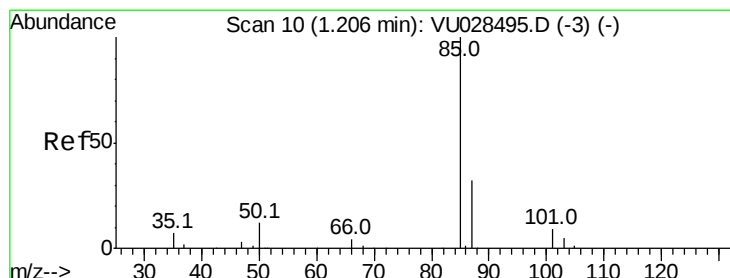
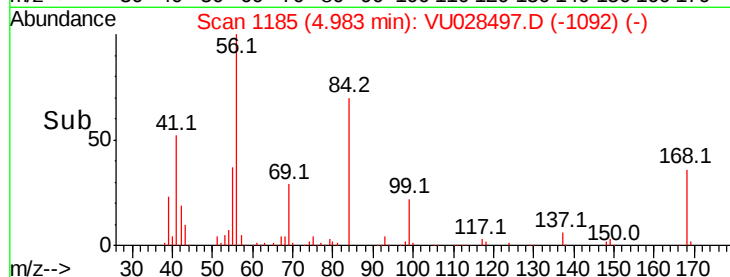
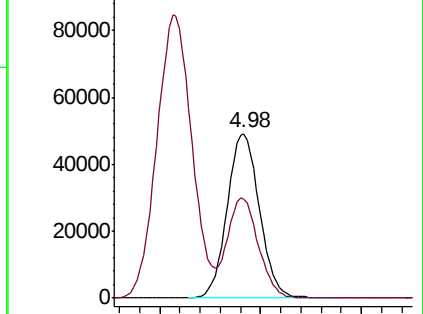
168 100

99 60.6 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 150.125 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028497.D

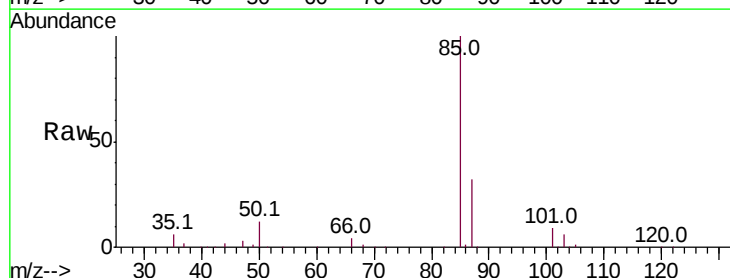
Acq: 06 Dec 2018 13:19

Tgt Ion: 85 Resp: 220578

Ion Ratio Lower Upper

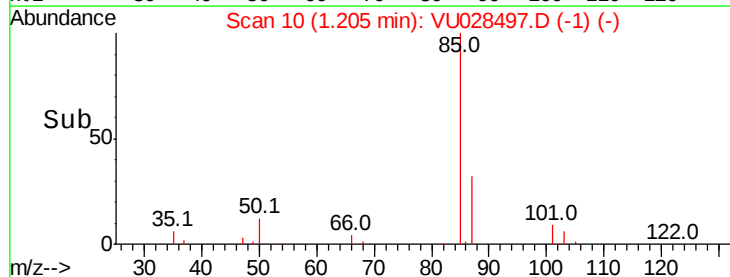
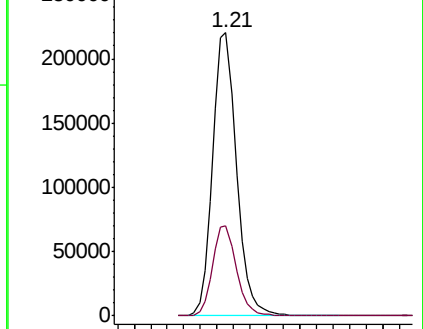
85 100

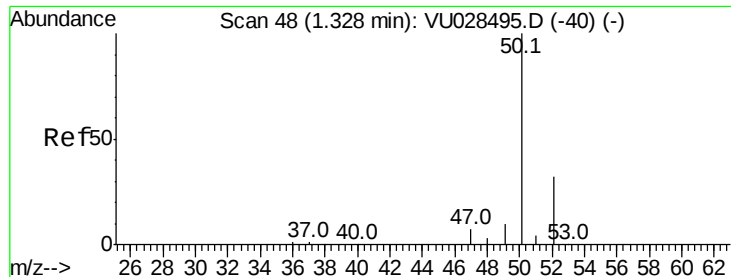
87 31.8 15.9 47.6



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

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 149.308 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

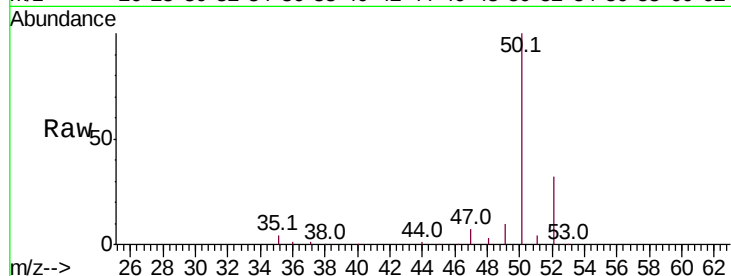
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 403322

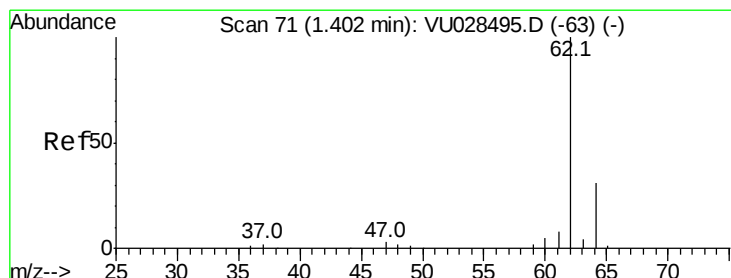
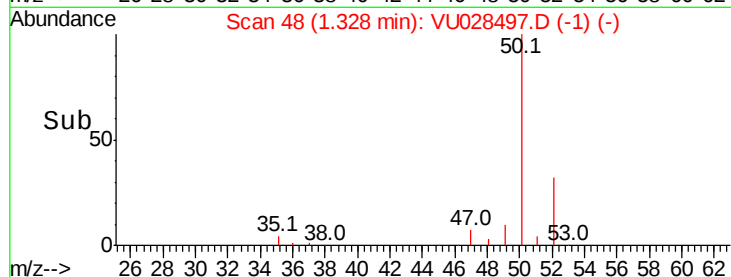
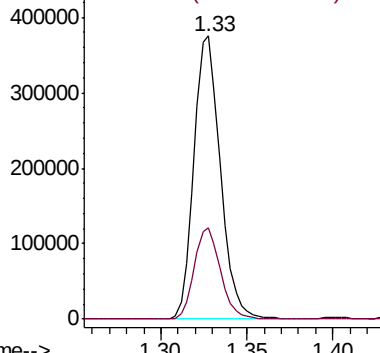
Ion Ratio Lower Upper

50 100

52 32.1 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: 150.721 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028497.D

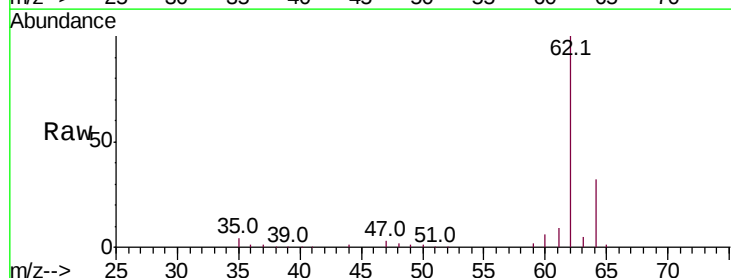
Acq: 06 Dec 2018 13:19

Tgt Ion: 62 Resp: 293817

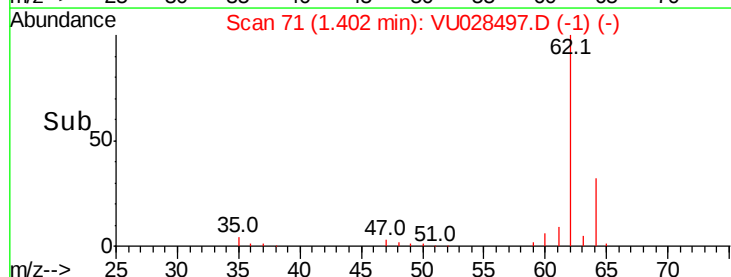
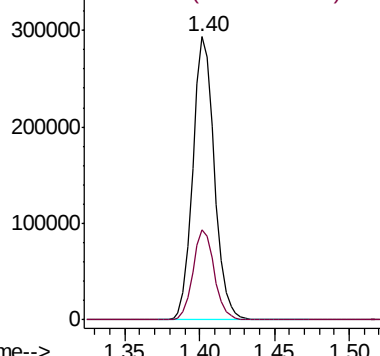
Ion Ratio Lower Upper

62 100

64 31.8 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: 160.830 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

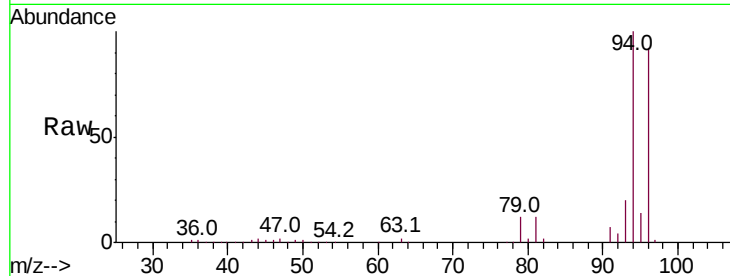
ClientSampled :

Tot Ion: 94 Resp: 126294

Ion Ratio Lower Upper

94 100

96 92.4 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU028495.D (-129) (-)

Ion 95.90 (95.60 to 96.60): VU028497.D (-69) (-)

1.60

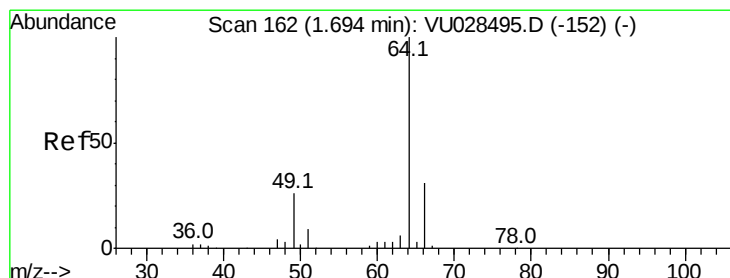
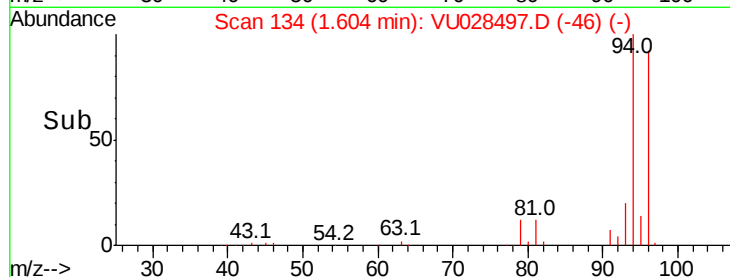
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 150.469 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028497.D

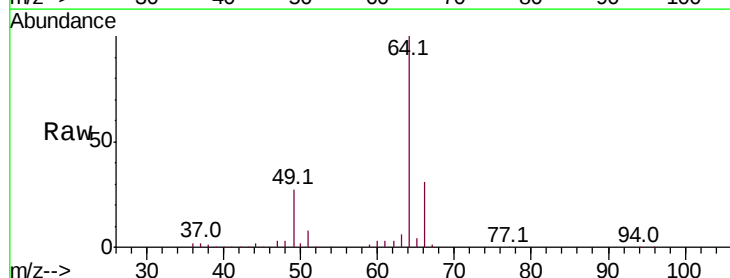
Acq: 06 Dec 2018 13:19

Tgt Ion: 64 Resp: 166060

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU028497.D (-69) (-)

1.68

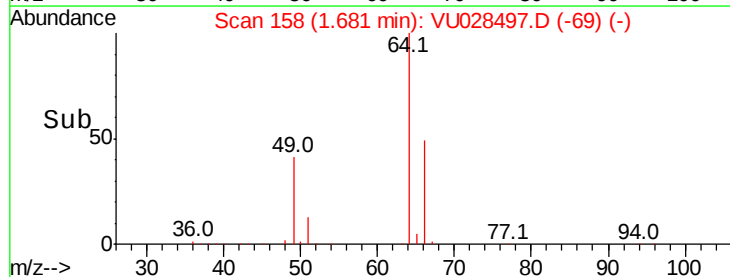
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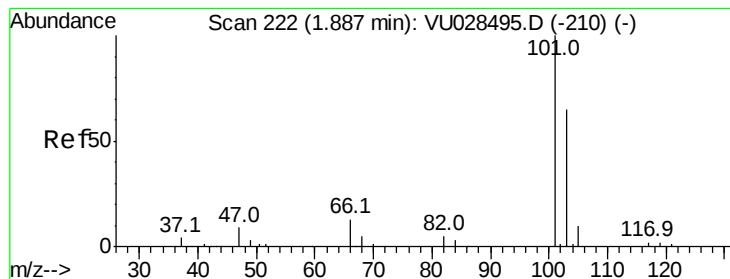
100000

50000

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Time-->



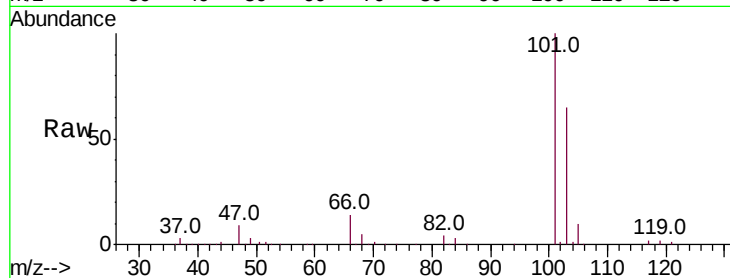


#7

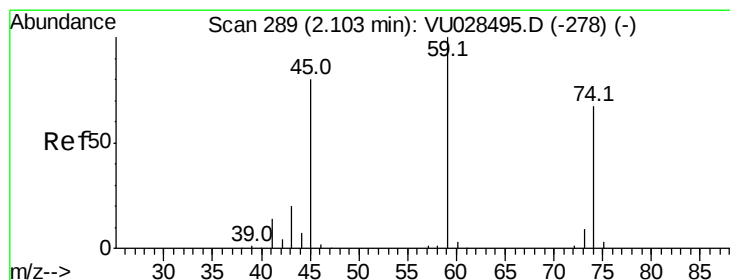
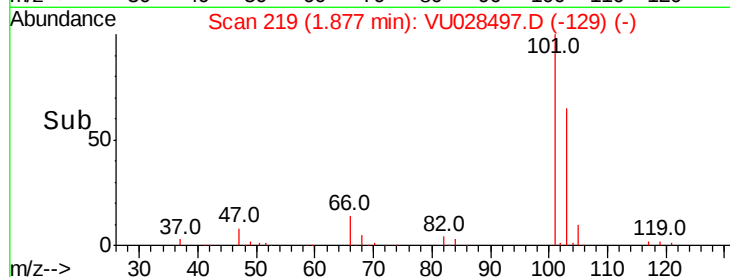
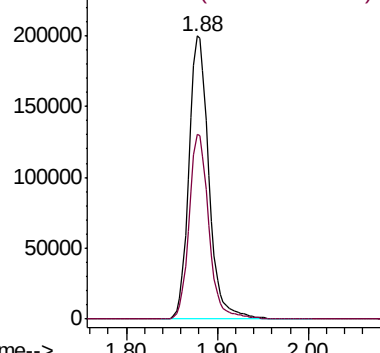
Trichlorofluoromethane
Concen: 148.505 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 304581
Ion Ratio Lower Upper
101 100
103 65.2 52.3 78.5



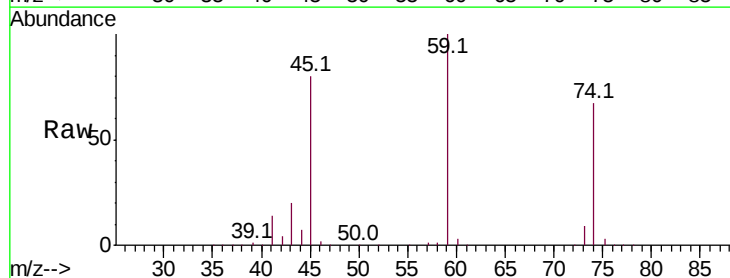
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



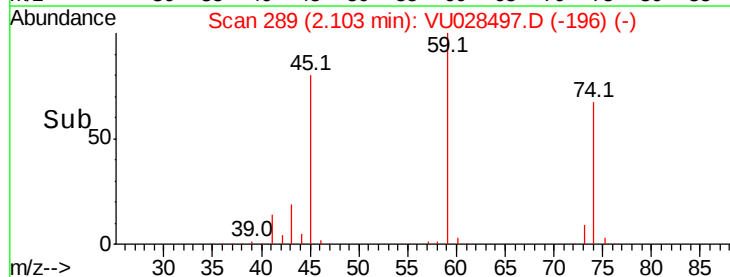
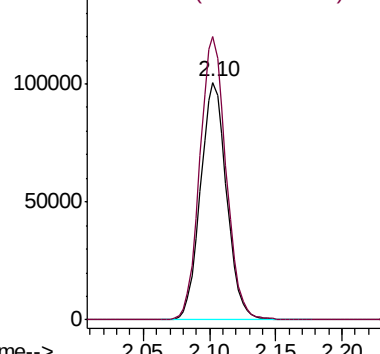
#8

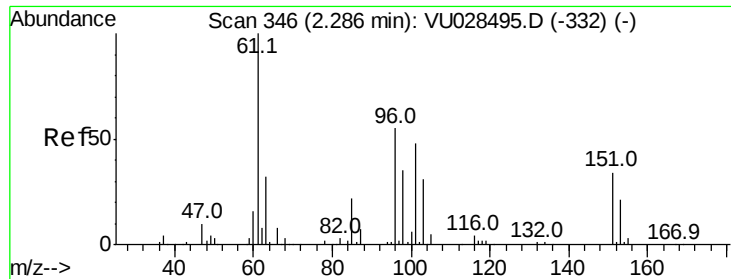
Diethyl Ether
Concen: 143.537 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028497.D
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Tgt Ion: 74 Resp: 137734
Ion Ratio Lower Upper
74 100
45 119.4 59.7 179.0



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

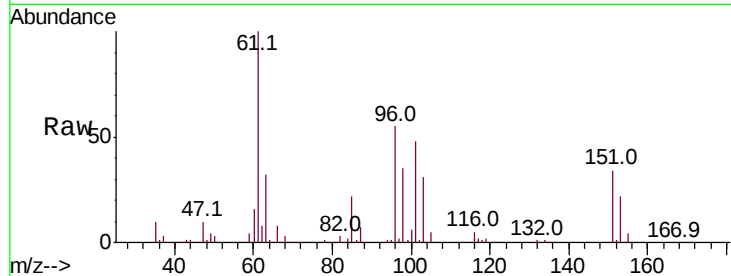




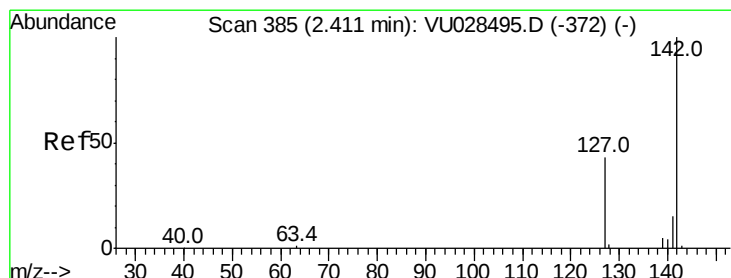
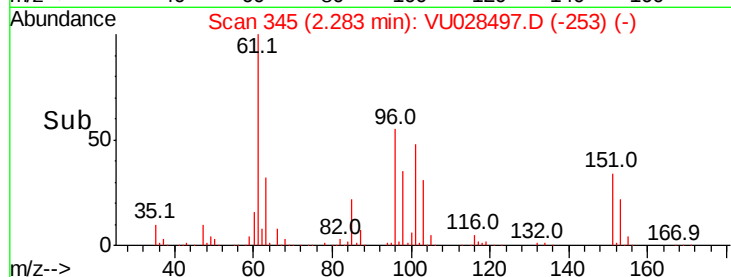
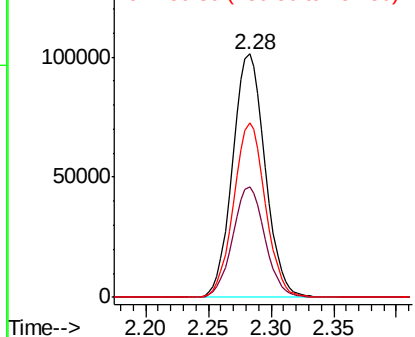
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 148.988 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.4	54.6
151	70.0	58.2	87.2

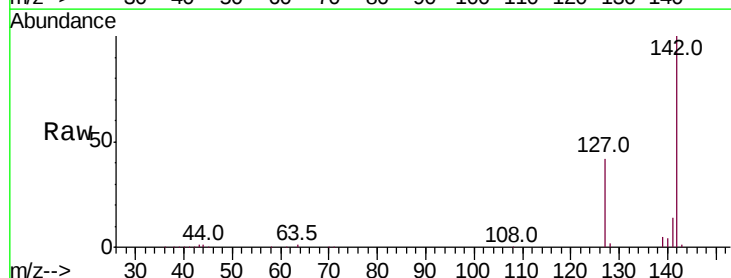


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 150.80 (150.50 to 151.50): V

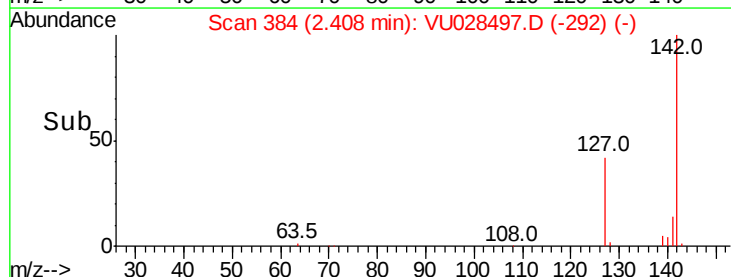
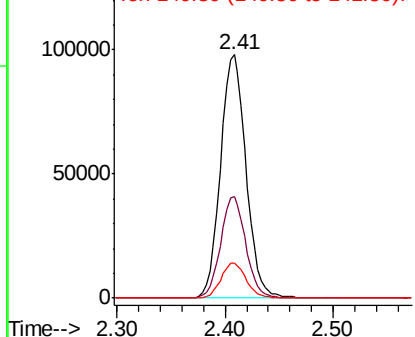


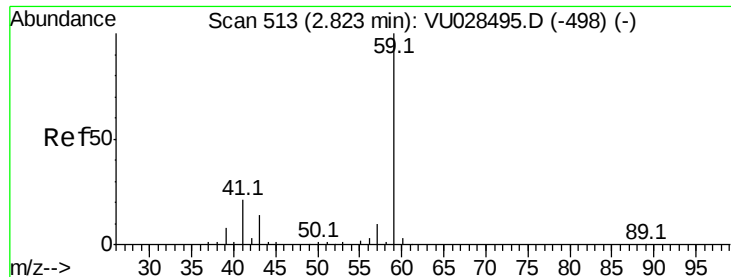
#10
 Methyl Iodide
 Concen: 167.443 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	33.5	50.3
141	14.3	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

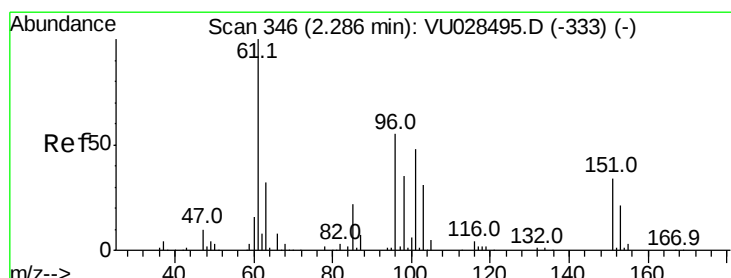
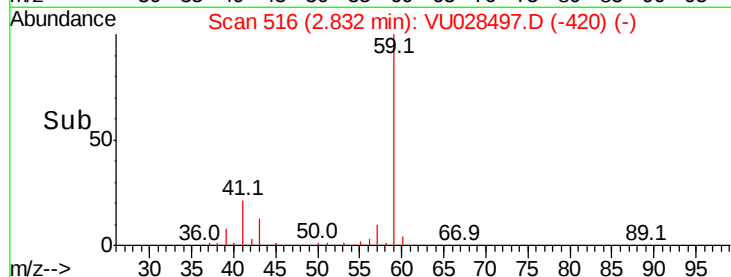
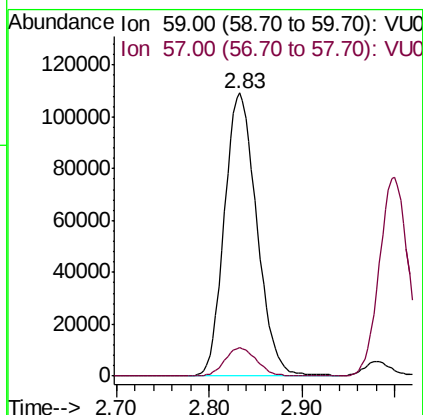
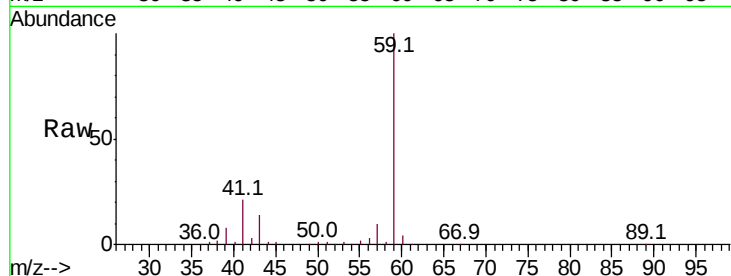




#11
Tert butyl alcohol
Concen: 711.035 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

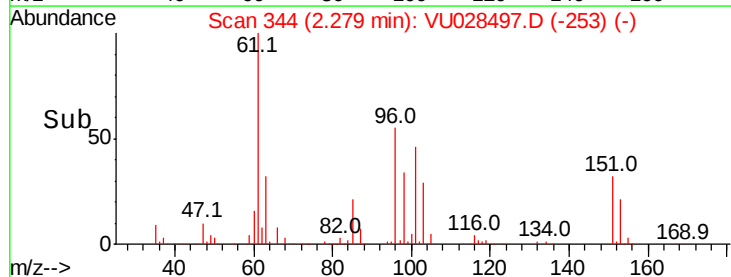
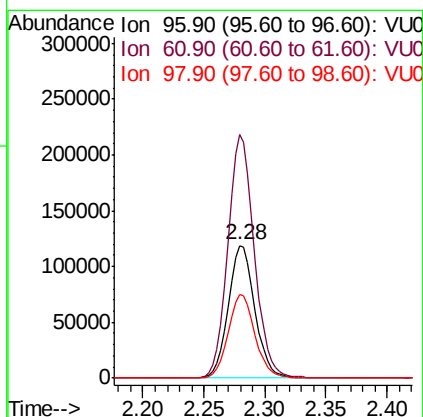
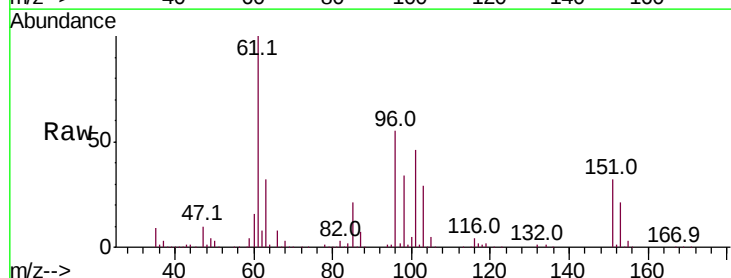
Instrument :
MSVOA_U
ClientSampleId :

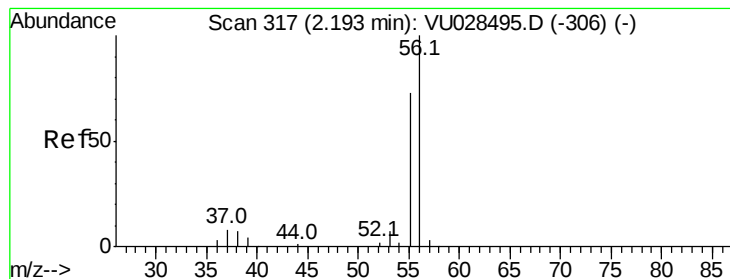
Tot Ion: 59 Resp: 265007
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0



#12
1,1-Dichloroethene
Concen: 148.373 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 96 Resp: 181086
Ion Ratio Lower Upper
96 100
61 183.4 146.4 219.6
98 62.6 51.8 77.8





#13

Acrolein

Concen: 759.615 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

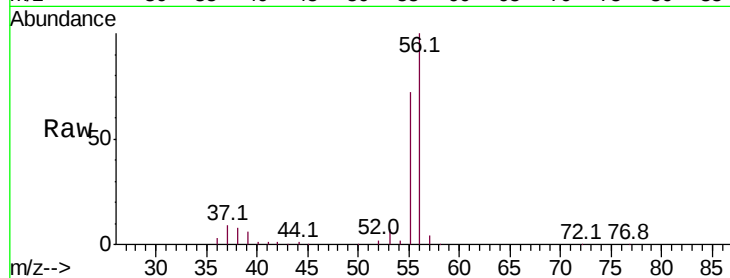
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 225695

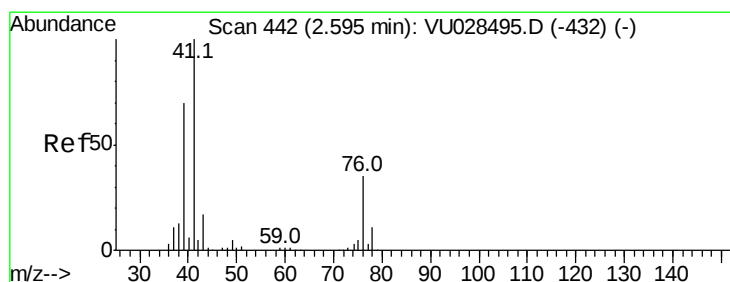
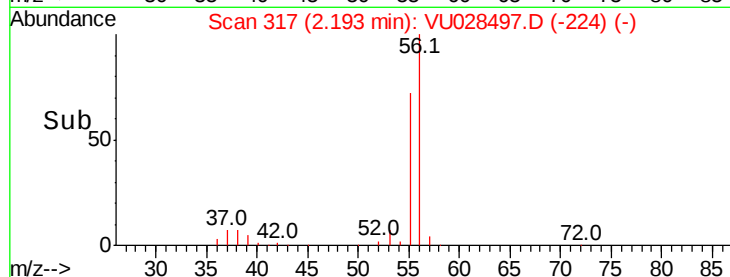
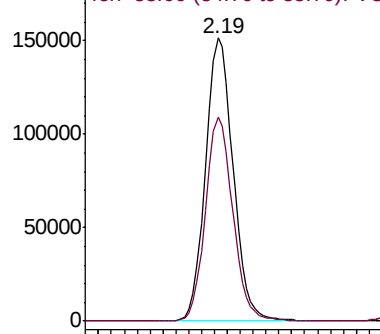
Ion Ratio Lower Upper

56 100

55 71.7 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: 154.666 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

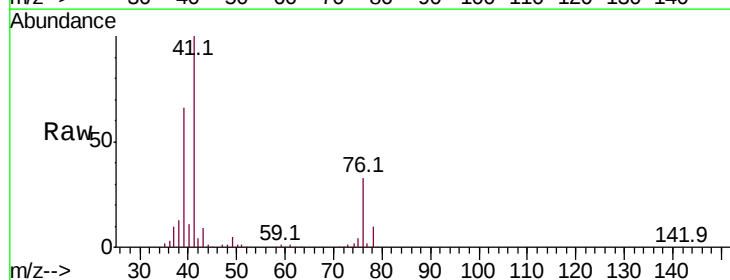
Tgt Ion: 41 Resp: 446560

Ion Ratio Lower Upper

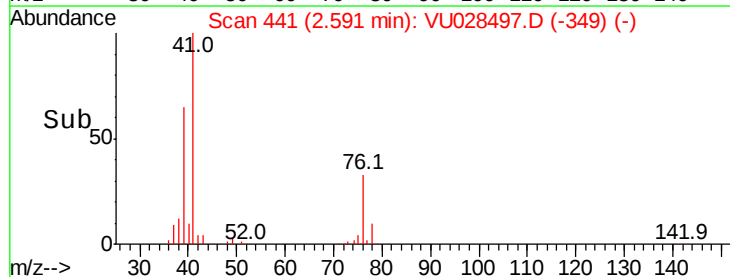
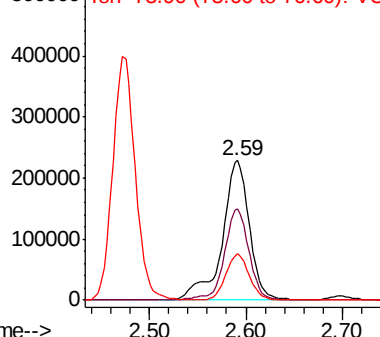
41 100

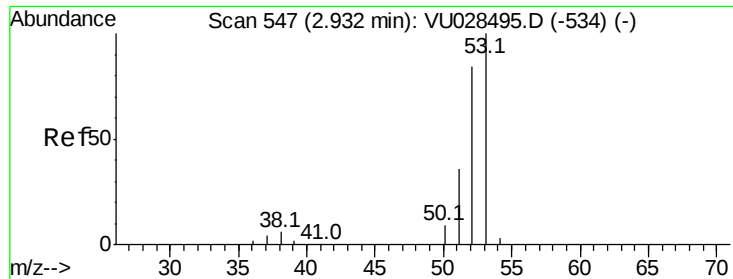
39 58.6 50.8 76.2

76 28.1 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: 746.581 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

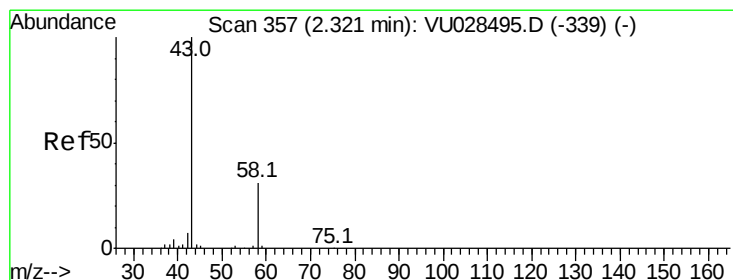
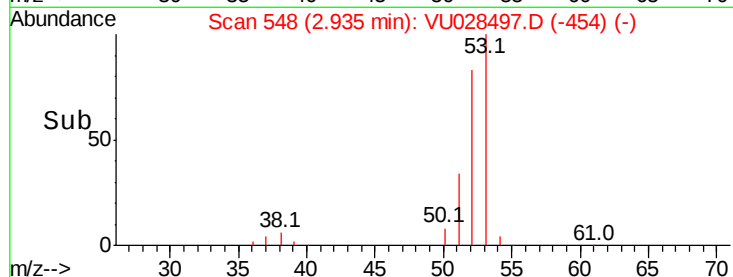
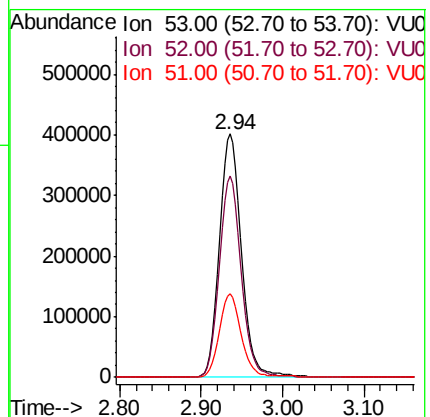
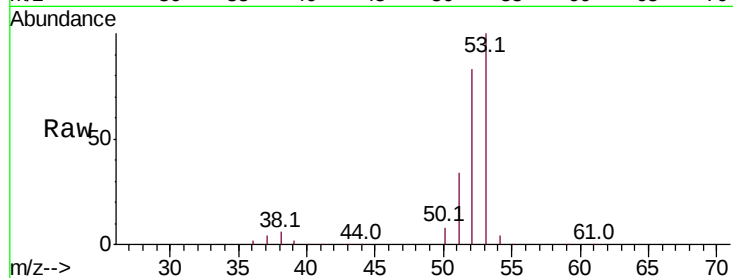
Tot Ion: 53 Resp: 772524

Ion Ratio Lower Upper

53 100

52 82.2 66.1 99.1

51 34.6 28.1 42.1



#16

Acetone

Concen: 639.359 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028497.D

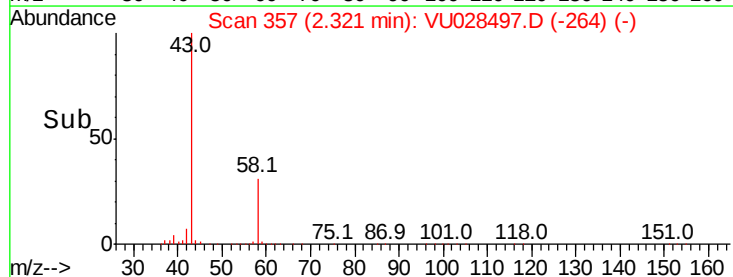
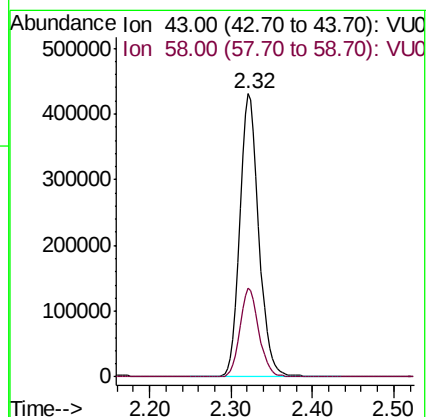
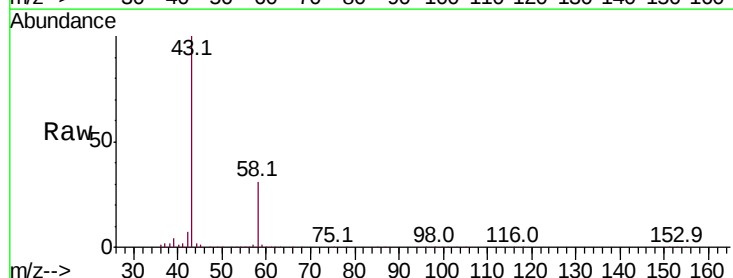
Acq: 06 Dec 2018 13:19

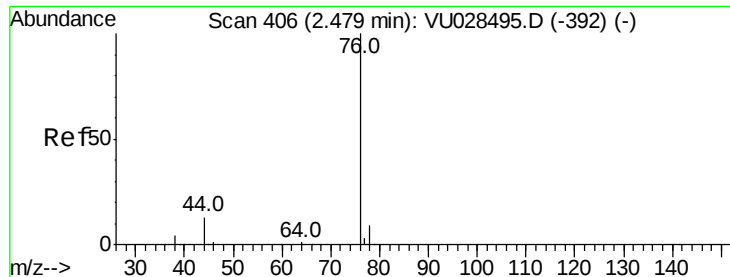
Tgt Ion: 43 Resp: 697935

Ion Ratio Lower Upper

43 100

58 31.2 24.6 37.0

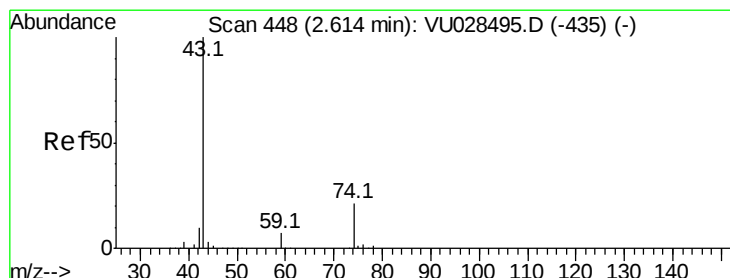
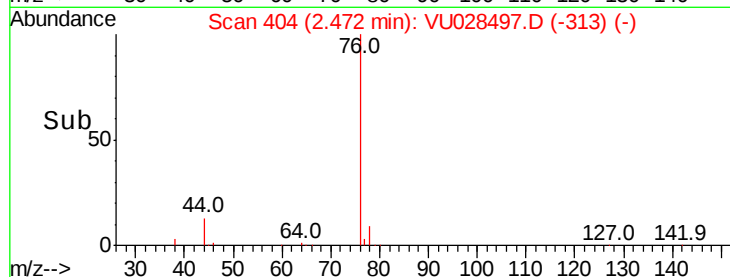
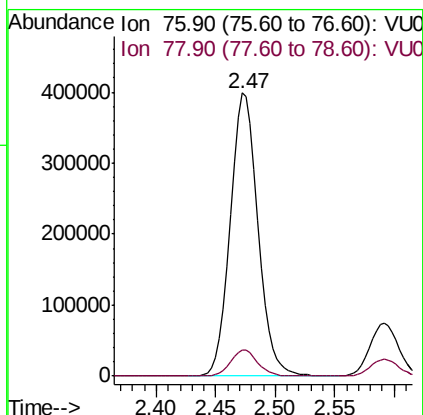
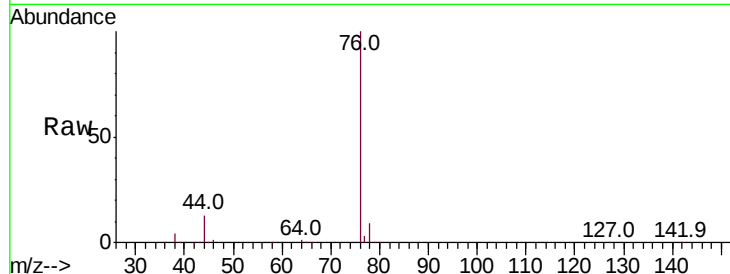




#17
Carbon Disulfide
Concen: 146.579 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

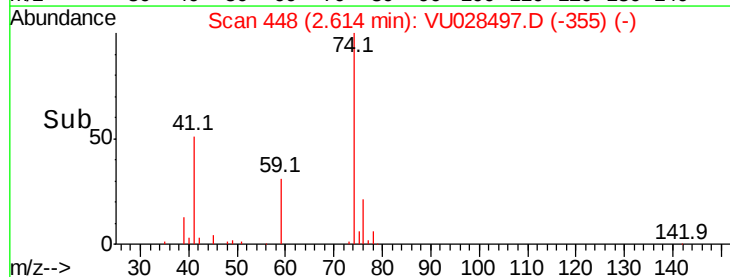
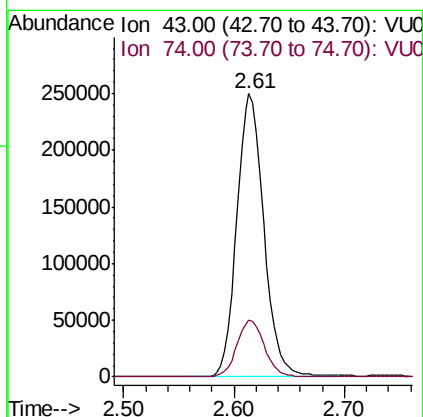
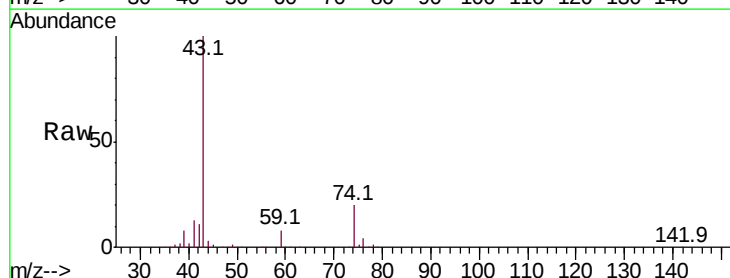
Instrument :
MSVOA_U
ClientSampleId :

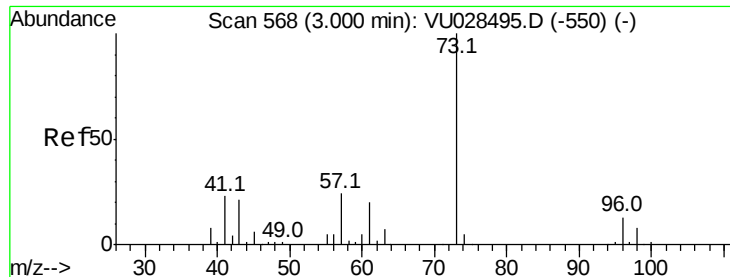
Tot Ion: 76 Resp: 644478
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 149.740 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 43 Resp: 423727
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6



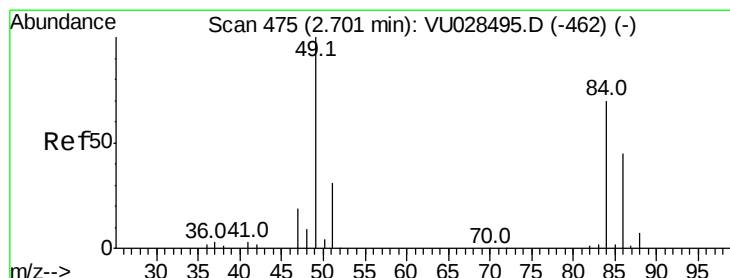
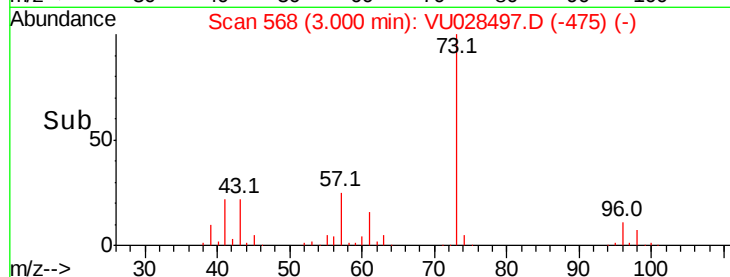
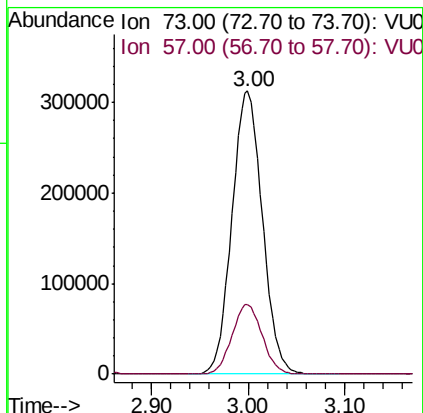
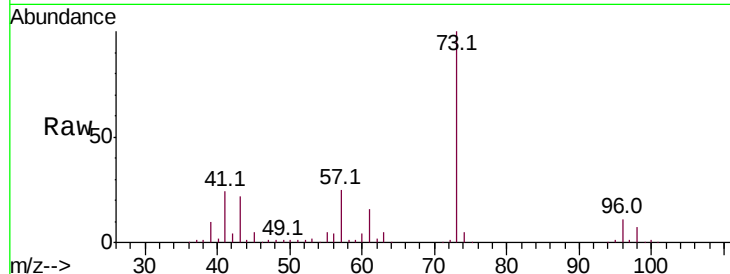


#19

Methyl tert-butyl Ether
 Concen: 147.573 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Instrument :
 MSVOA_U
 ClientSampleId :

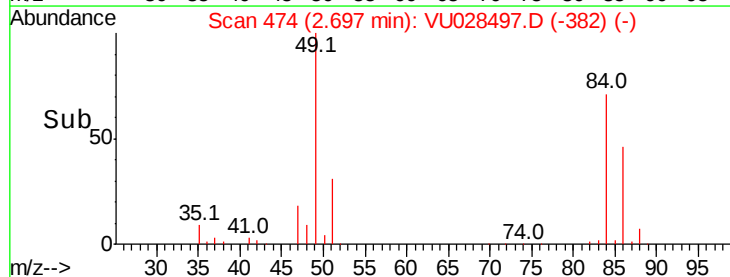
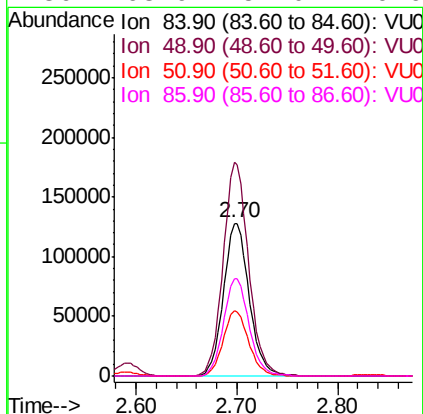
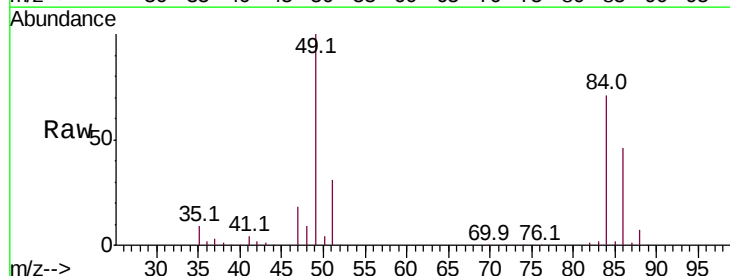
Tot Ion: 73 Resp: 682779
 Ion Ratio Lower Upper
 73 100
 57 24.6 19.4 29.2

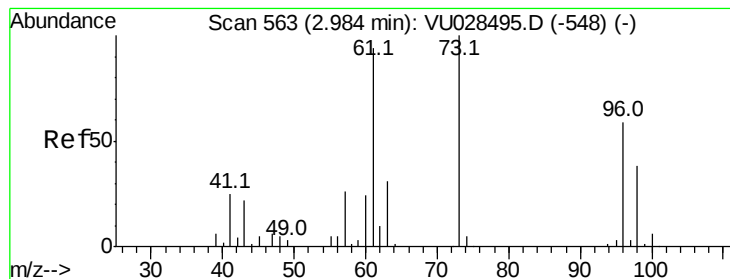


#20

Methylene Chloride
 Concen: 141.326 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion: 84 Resp: 227423
 Ion Ratio Lower Upper
 84 100
 49 140.0 114.0 171.0
 51 42.9 35.1 52.7
 86 63.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 147.172 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

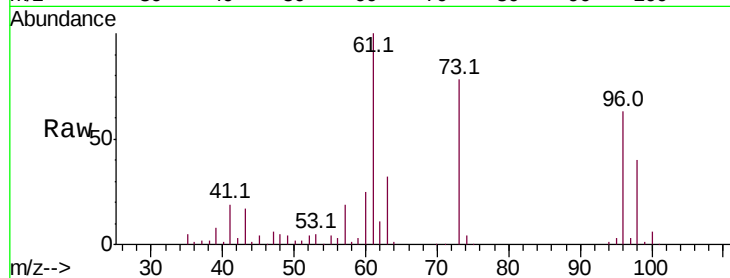
Tot Ion: 96 Resp: 202238

Ion Ratio Lower Upper

96 100

61 159.3 127.0 190.4

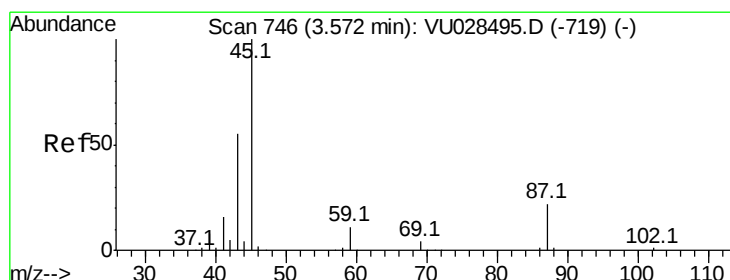
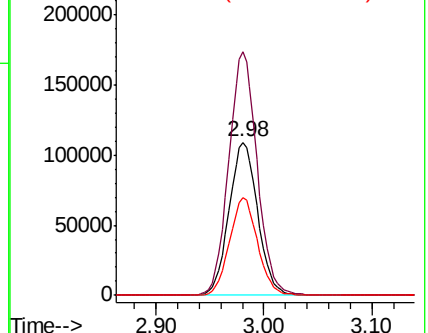
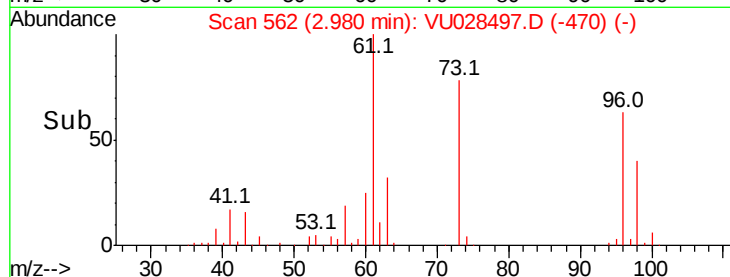
98 63.8 51.9 77.9



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: 148.419 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Tgt Ion: 45 Resp: 833334

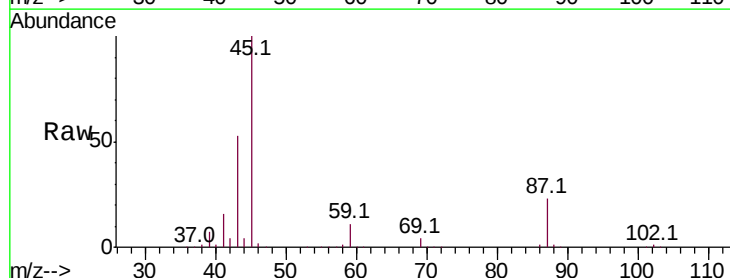
Ion Ratio Lower Upper

45 100

43 53.0 45.3 67.9

87 22.8 17.6 26.4

59 11.0 8.8 13.2

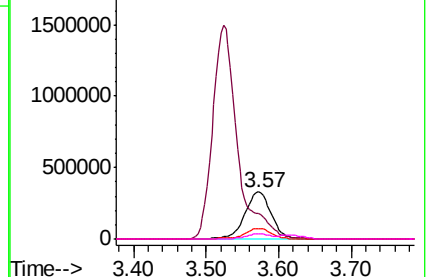
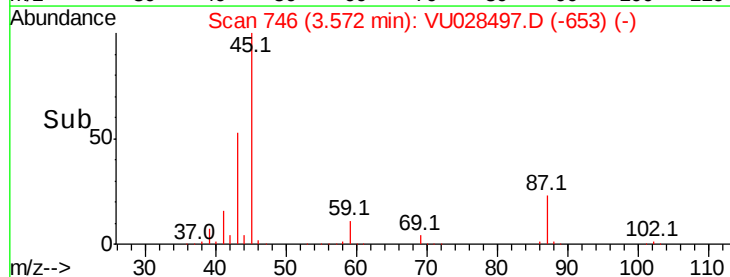


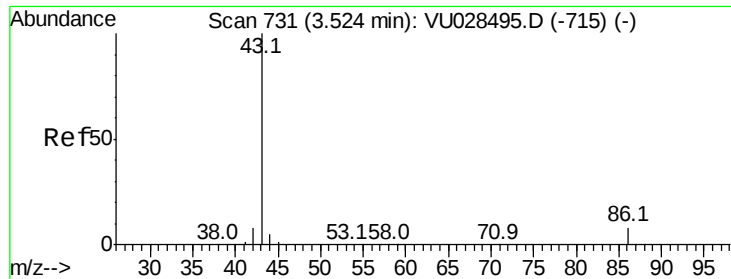
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 766.282 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

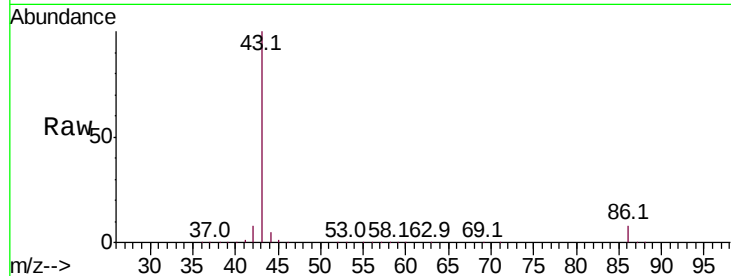
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3548856

Ion Ratio Lower Upper

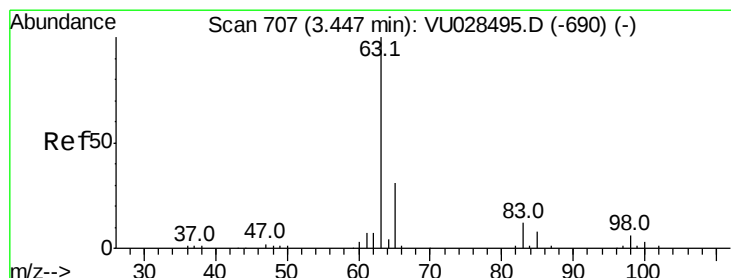
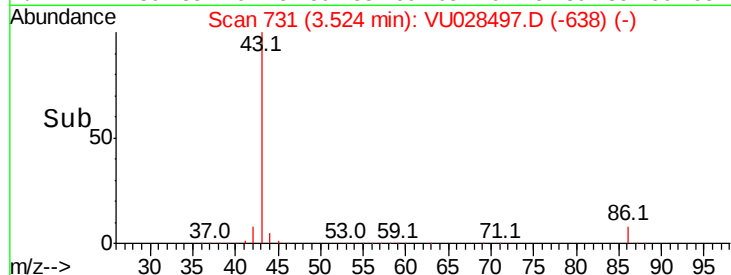
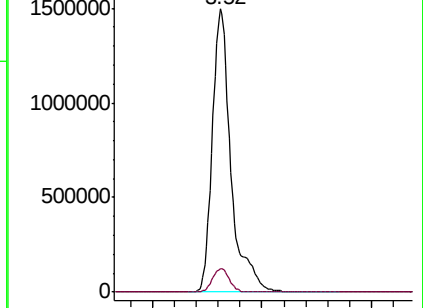
43 100

86 8.4 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 144.402 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

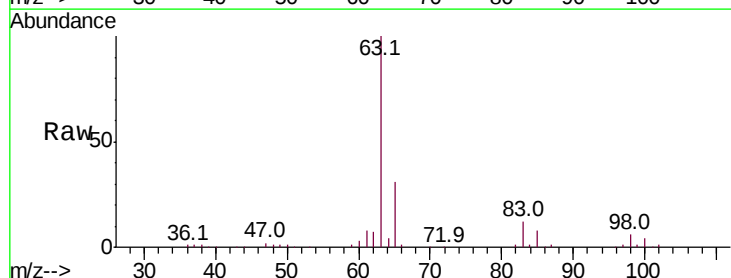
Tgt Ion: 63 Resp: 424410

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

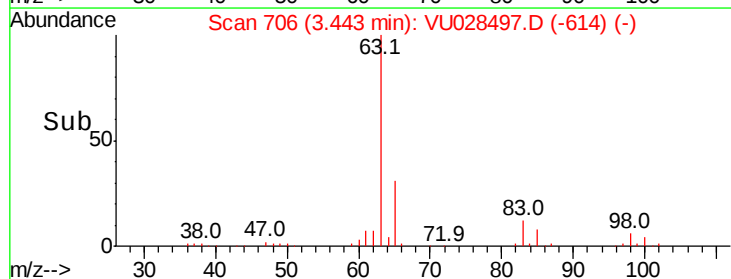
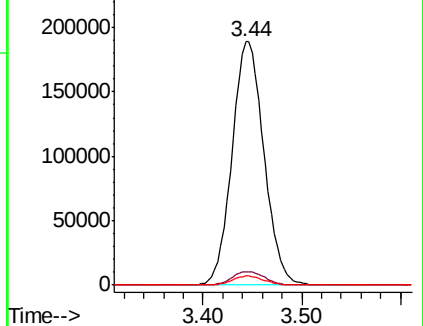
100 3.6 1.7 5.1

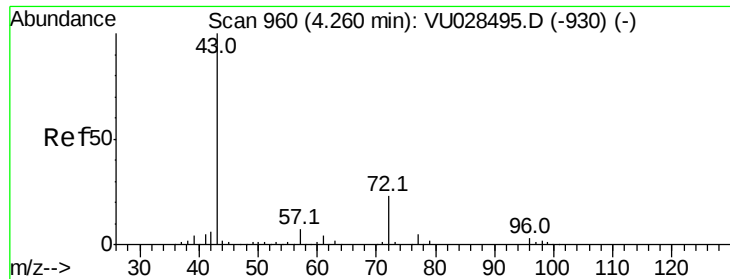


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 724.893 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

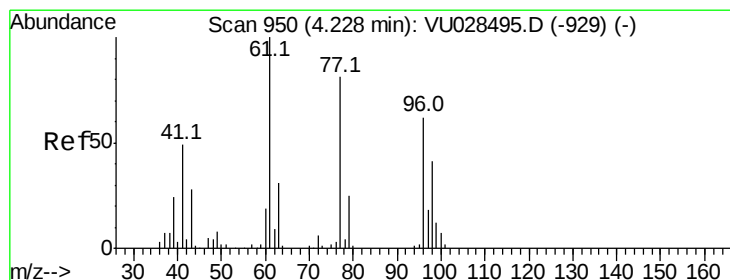
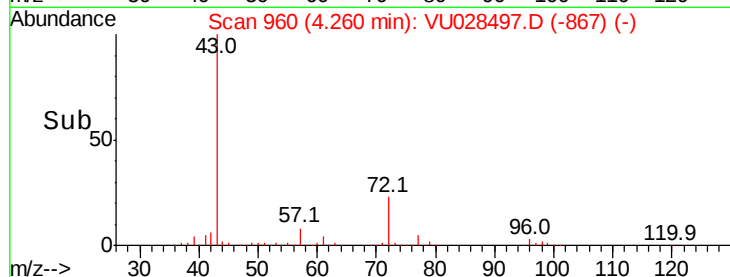
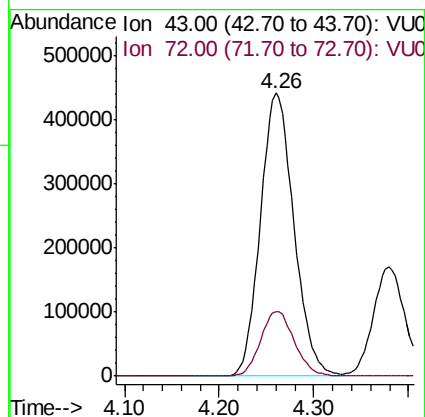
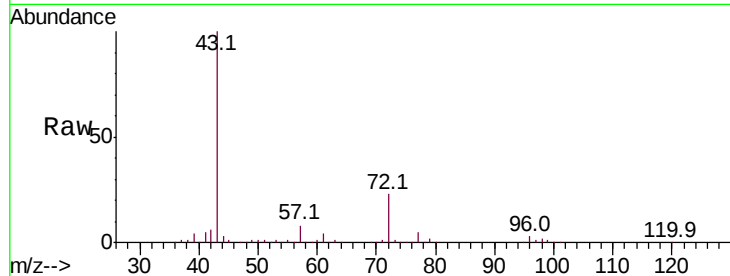
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1081397

Ion Ratio Lower Upper

43 100

72 23.0 18.6 28.0



#26

2,2-Dichloropropane

Concen: 144.625 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028497.D

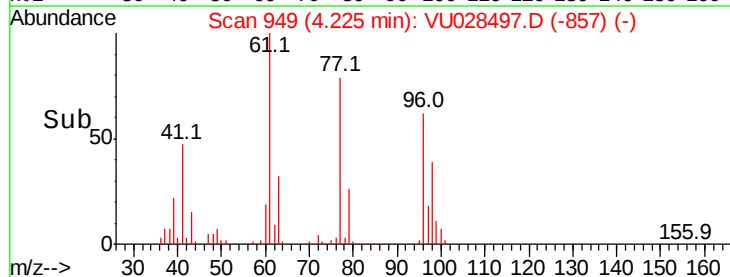
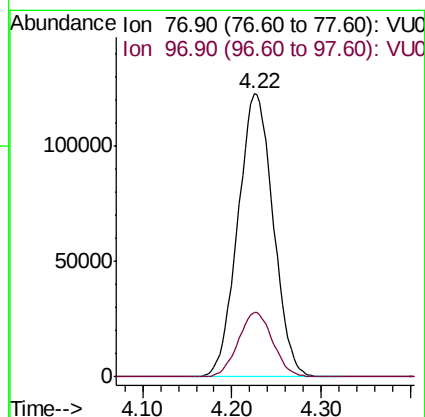
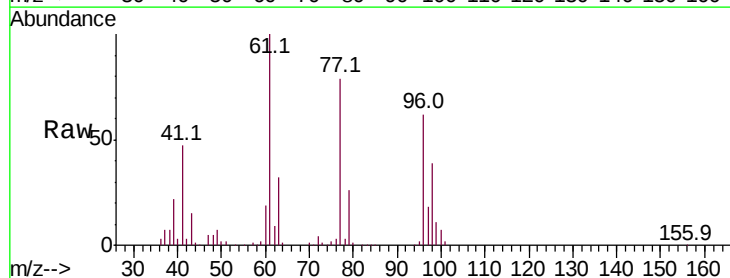
Acq: 06 Dec 2018 13:19

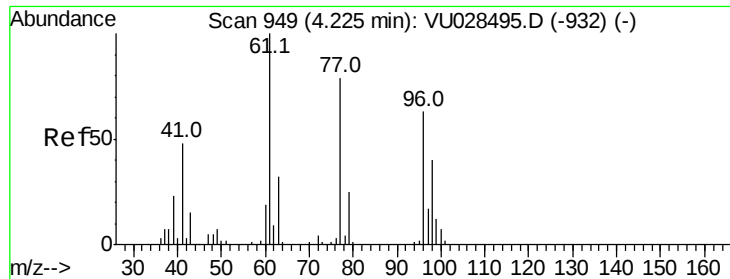
Tgt Ion: 77 Resp: 336802

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0



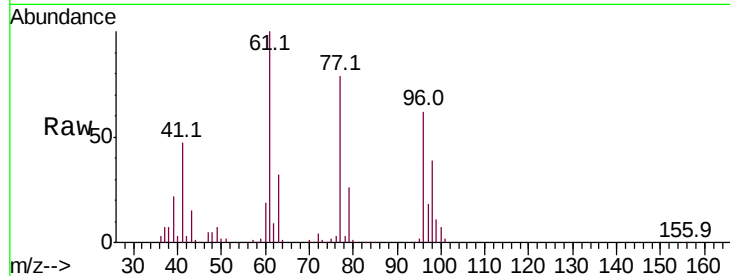


#27

cis-1,2-Dichloroethene
 Concen: 150.461 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.0	0.0	332.4
98	63.8	0.0	129.0

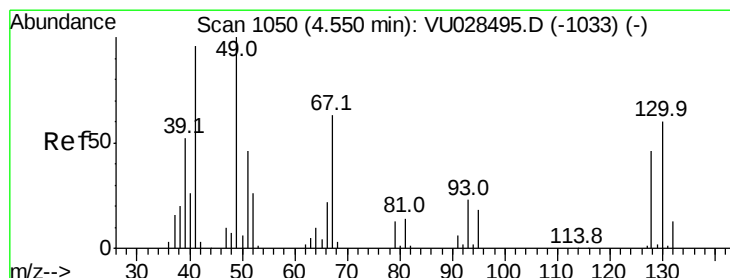
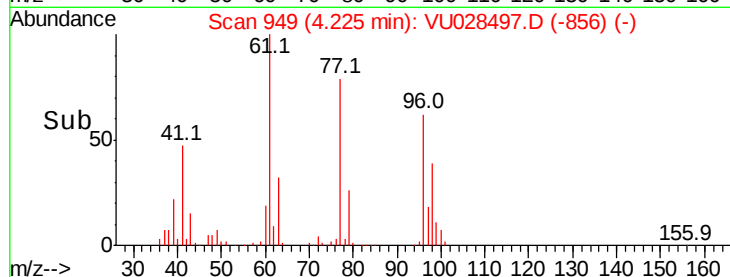
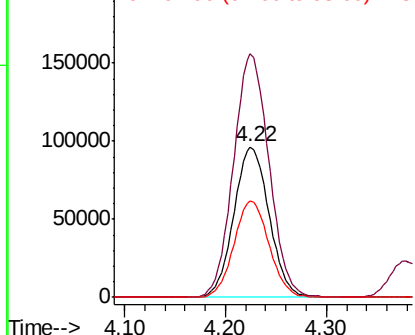


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

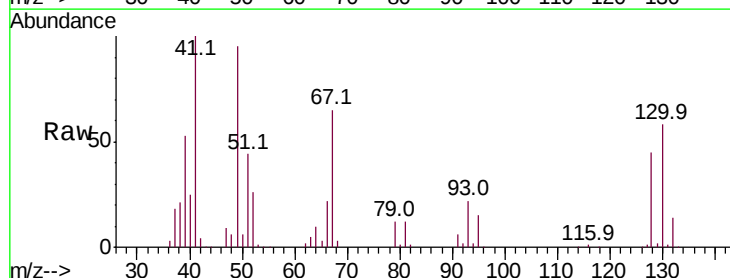
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 142.949 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	60.2	47.8	71.8

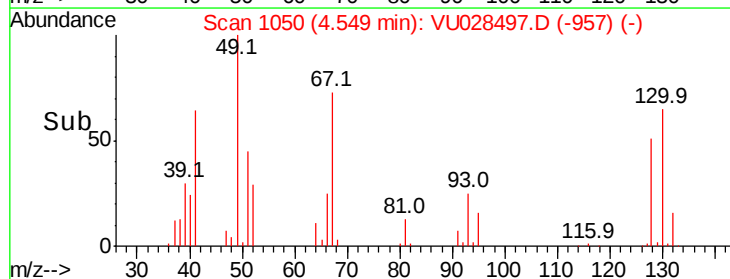
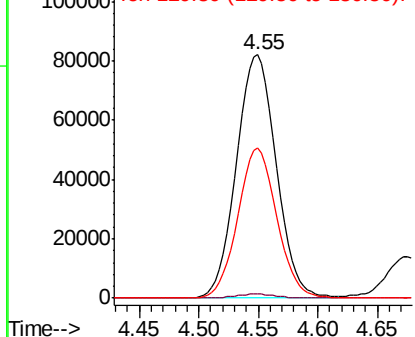


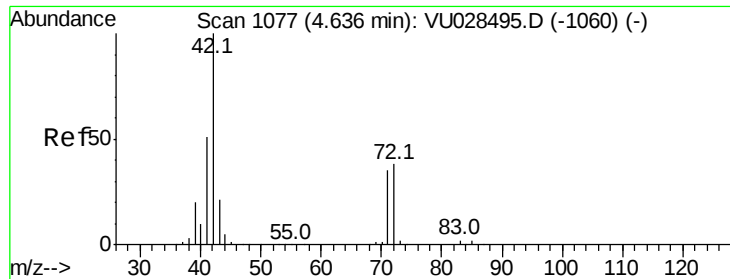
Abundance

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: 745.879 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

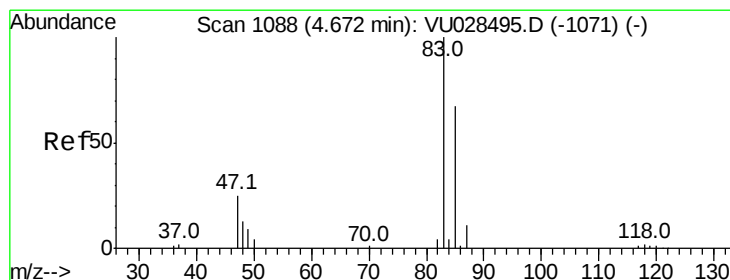
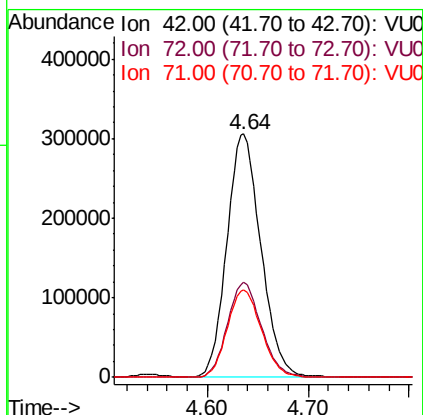
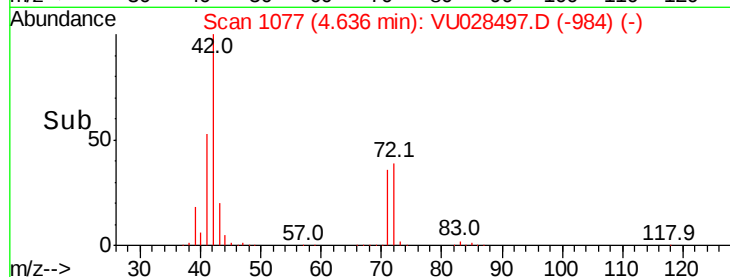
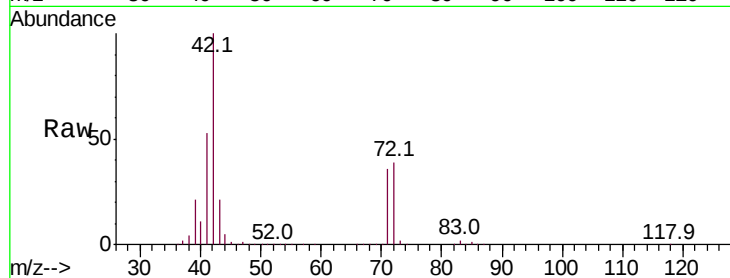
Tot Ion: 42 Resp: 714622

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.0

71 36.4 28.6 43.0



#30

Chloroform

Concen: 149.475 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028497.D

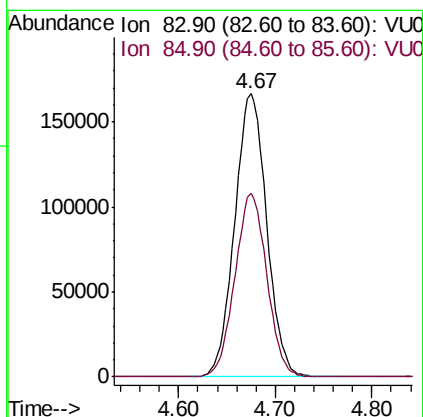
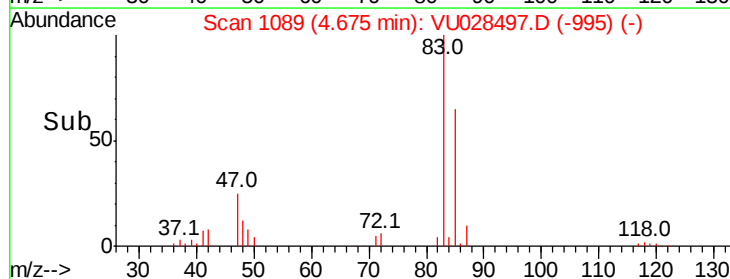
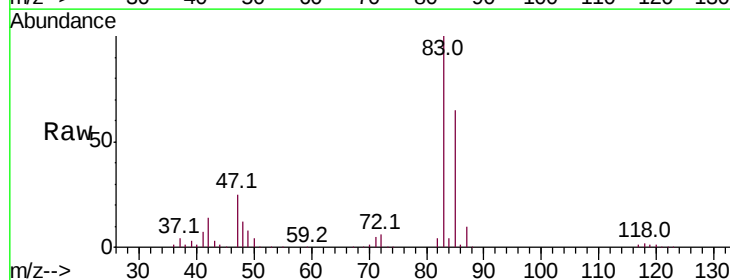
Acq: 06 Dec 2018 13:19

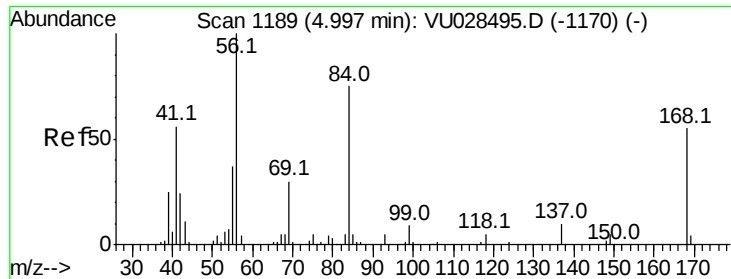
Tgt Ion: 83 Resp: 382894

Ion Ratio Lower Upper

83 100

85 64.9 53.6 80.4

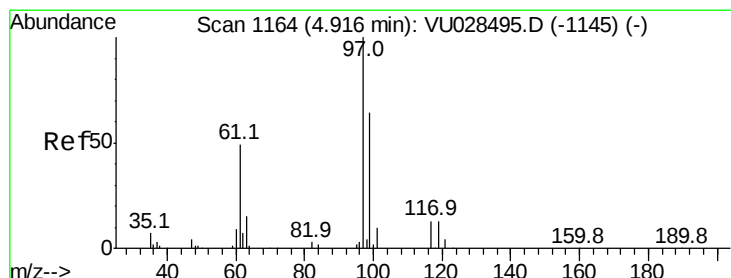
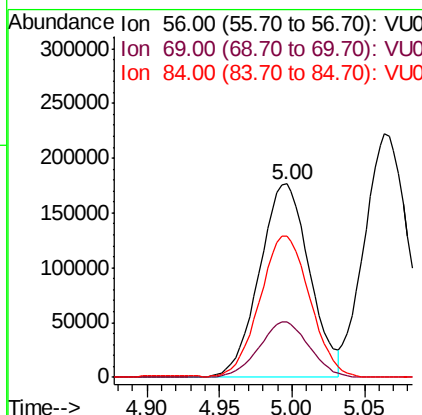
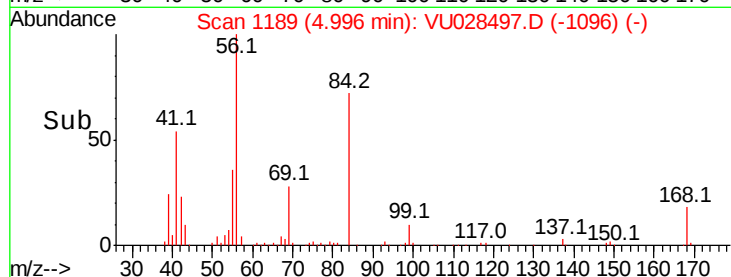
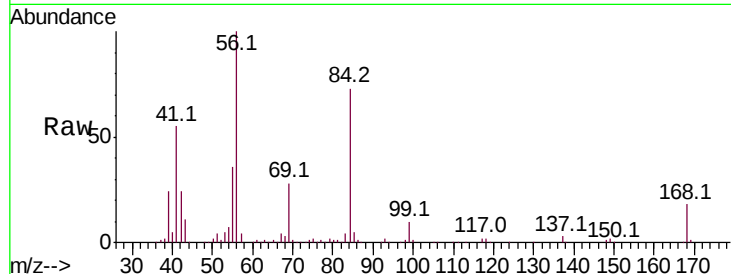




#31
Cyclohexane
Concen: 122.663 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

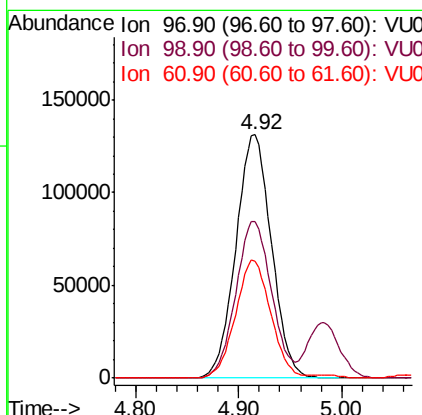
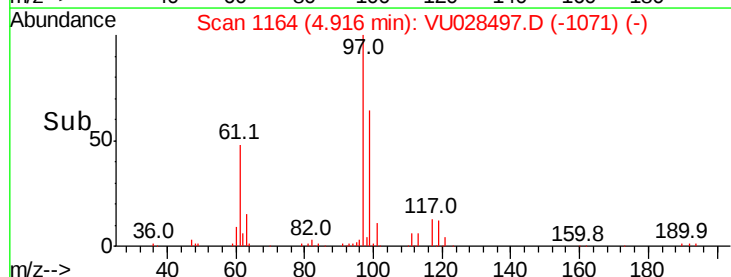
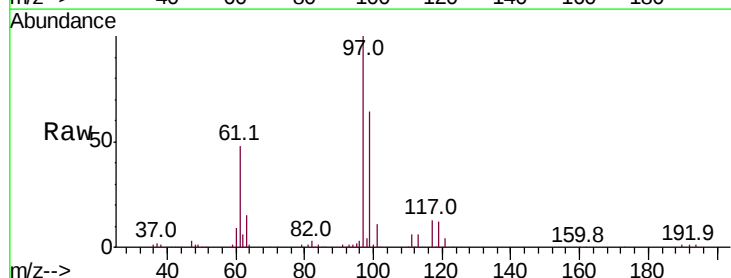
Instrument :
MSVOA_U
ClientSampleId :

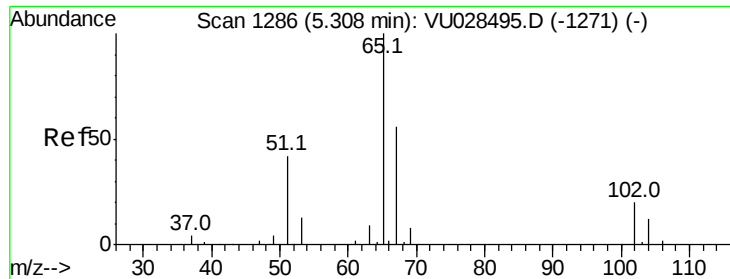
Tot Ion: 56 Resp: 422910
Ion Ratio Lower Upper
56 100
69 28.4 24.0 36.0
84 72.3 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 148.074 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 97 Resp: 315024
Ion Ratio Lower Upper
97 100
99 64.8 52.3 78.5
61 48.1 39.0 58.6

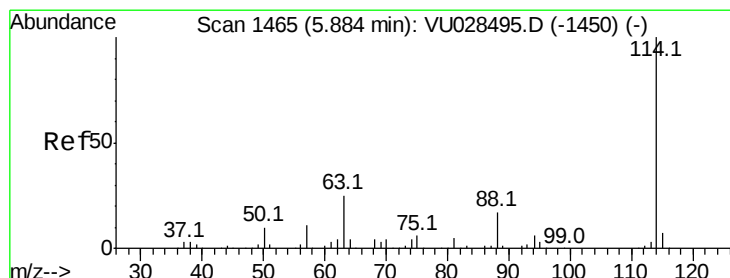
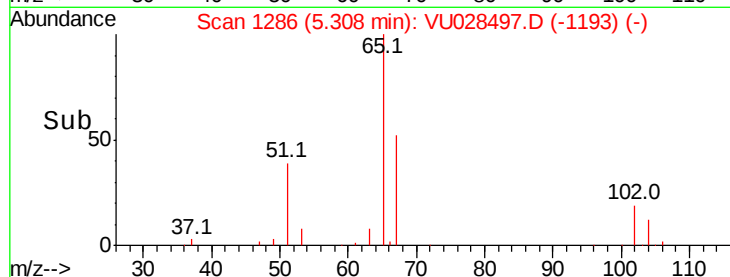
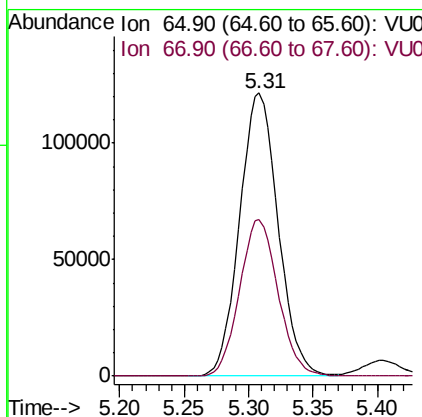
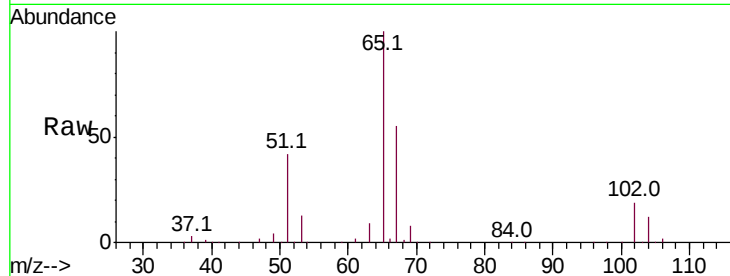




#33
 1,2-Dichloroethane-d4
 Concen: 151.506 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

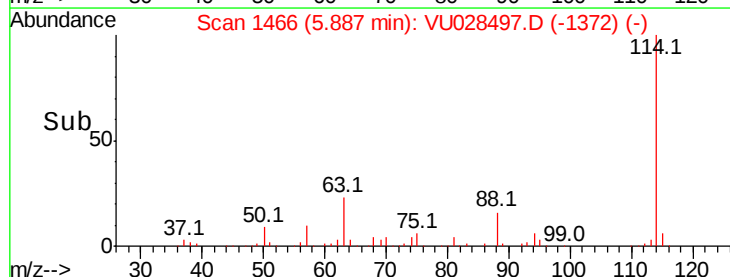
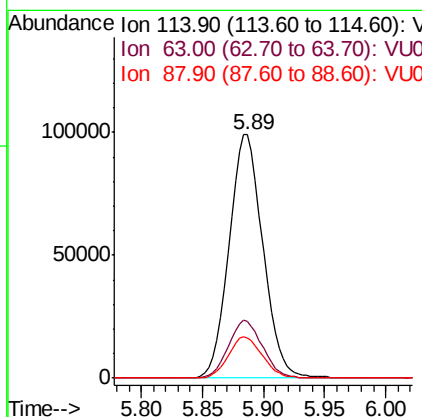
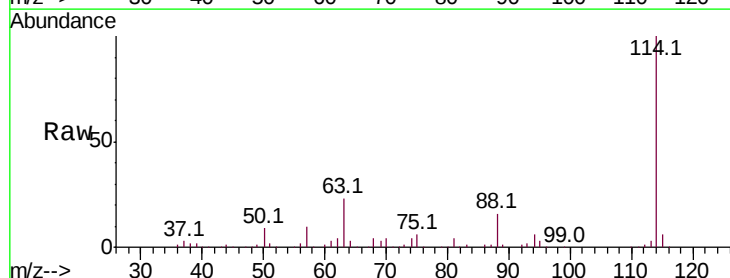
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 253447
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion: 114 Resp: 191700
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 49.2
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 155.778 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

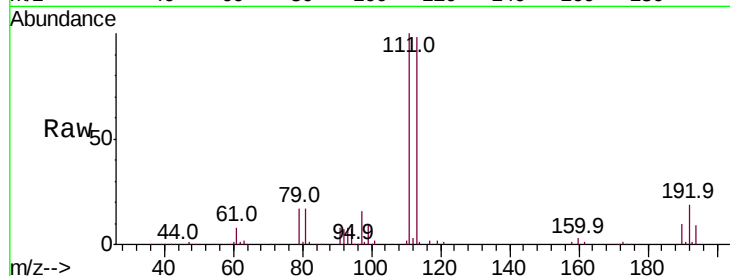
Tot Ion:113 Resp: 187928

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

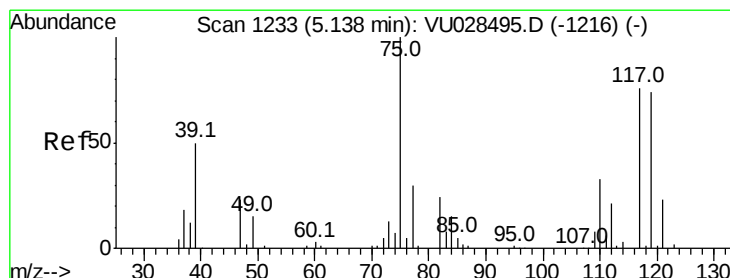
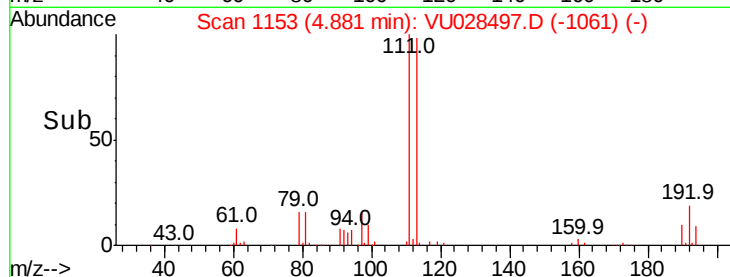
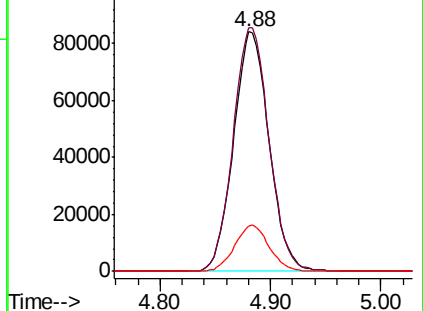
192 18.8 14.8 22.2



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: 148.493 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

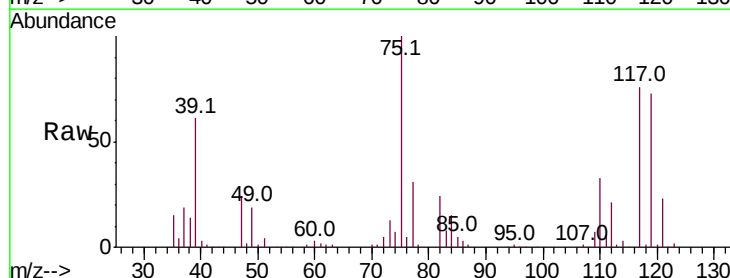
Tgt Ion: 75 Resp: 311501

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.2

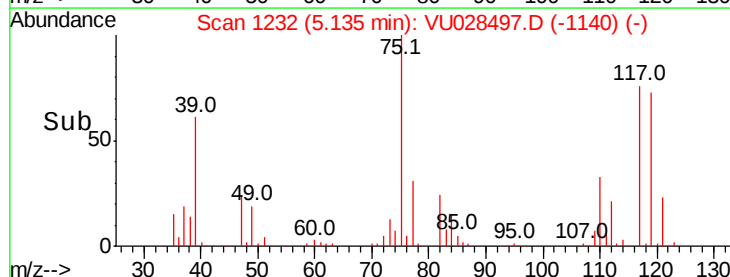
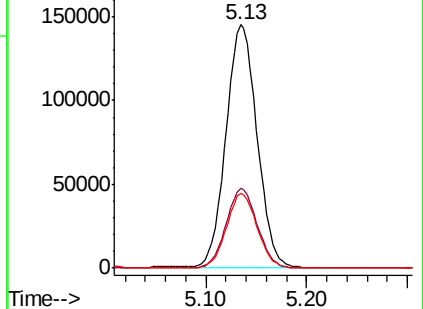
77 30.5 24.5 36.7

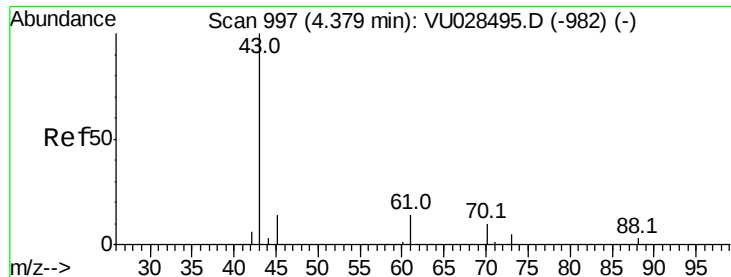


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 149.207 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

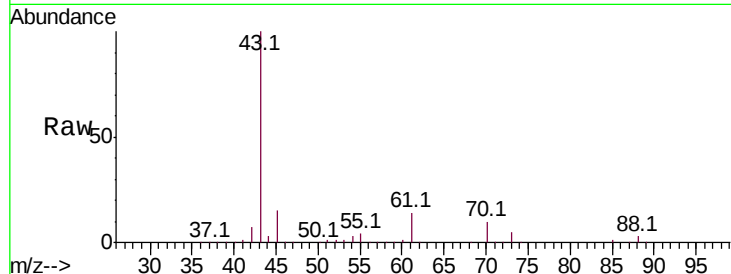
Tot Ion: 43 Resp: 404614

Ion Ratio Lower Upper

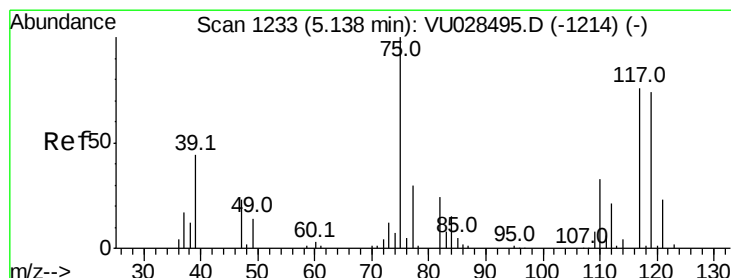
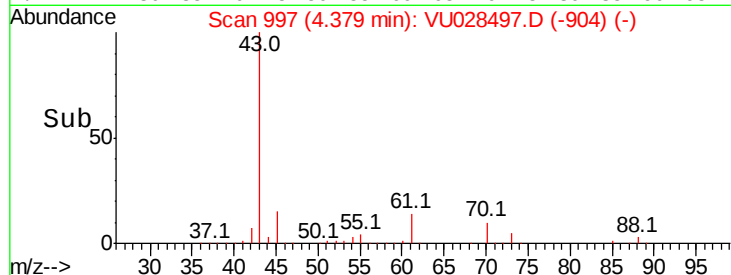
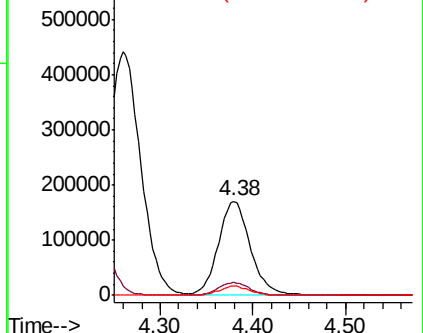
43 100

61 13.5 11.0 16.4

70 9.4 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: 150.957 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

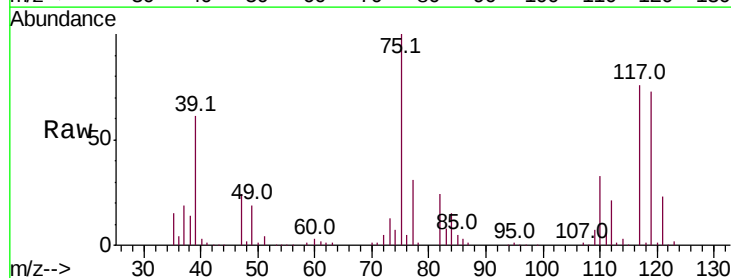
Tgt Ion: 117 Resp: 255235

Ion Ratio Lower Upper

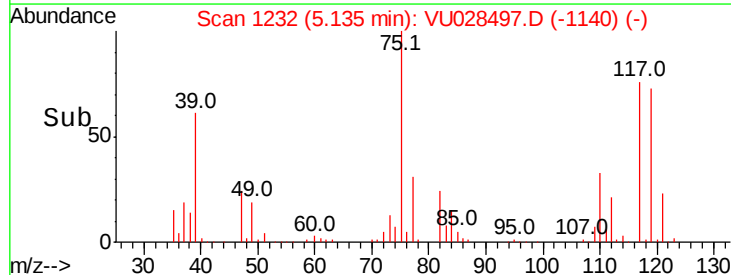
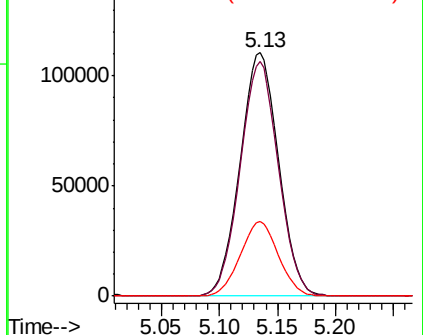
117 100

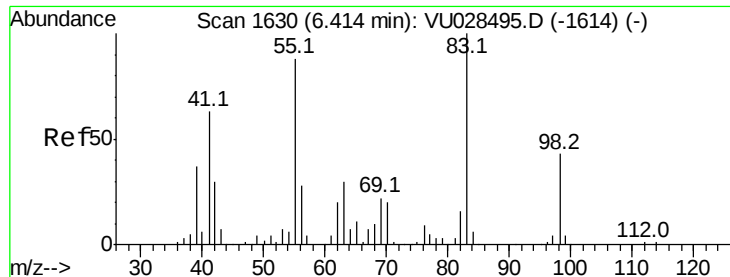
119 96.3 77.6 116.4

121 30.7 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

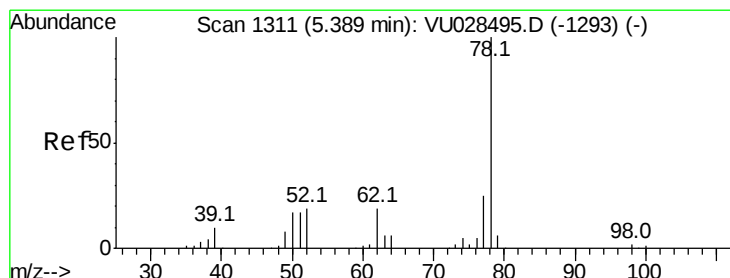
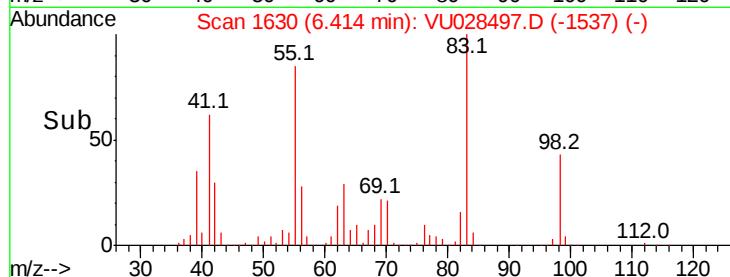
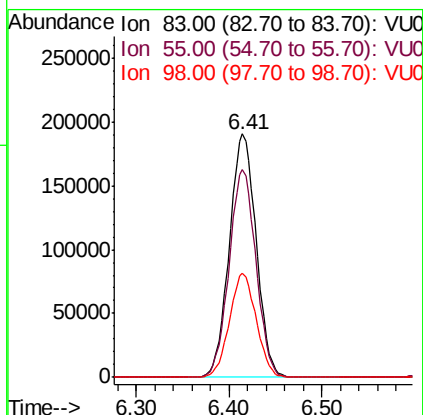
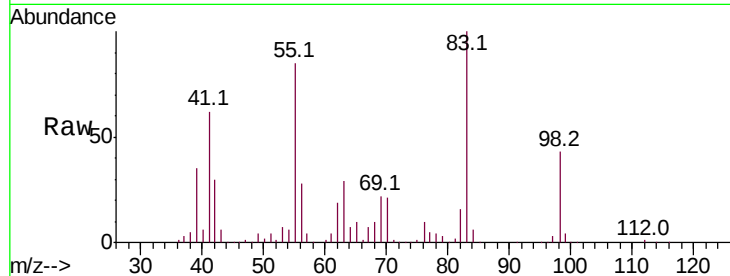




#39
Methvlcvclohexane
Concen: 149.147 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

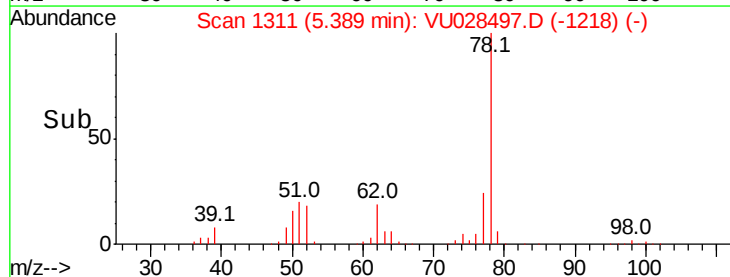
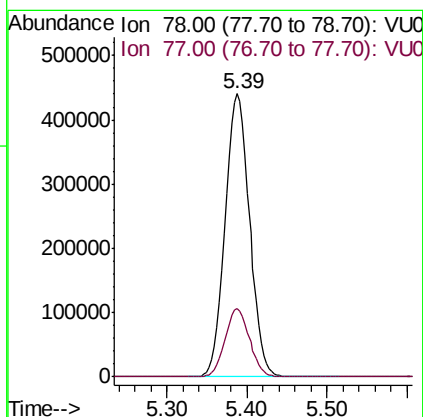
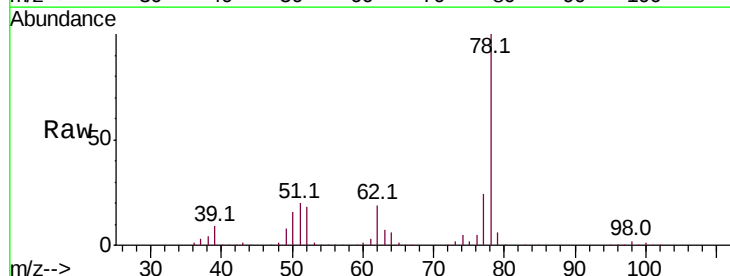
Instrument :
MSVOA_U
ClientSampleId :

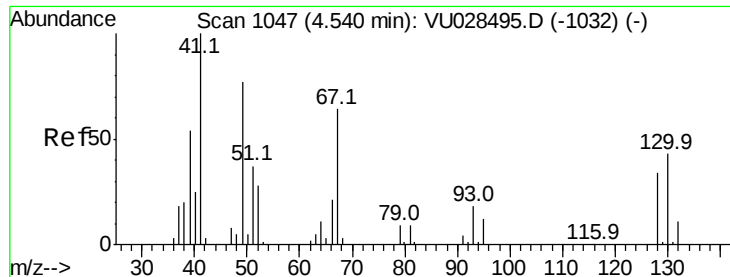
Tot Ion: 83 Resp: 381700
Ion Ratio Lower Upper
83 100
55 85.3 70.2 105.2
98 43.0 34.2 51.4



#40
Benzene
Concen: 149.224 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 78 Resp: 921957
Ion Ratio Lower Upper
78 100
77 24.3 19.9 29.9

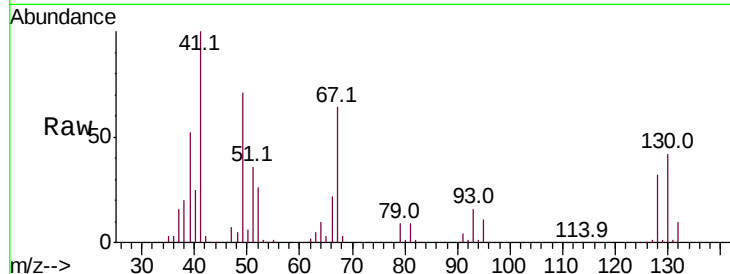




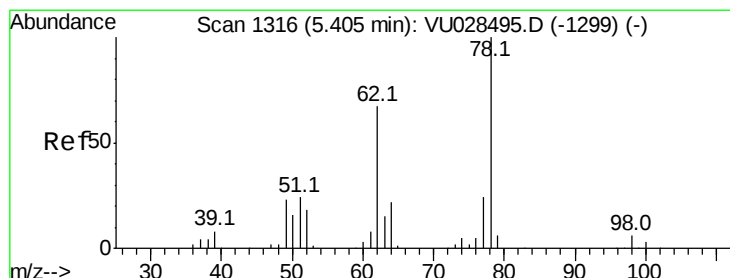
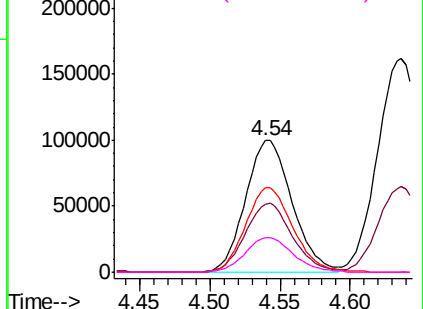
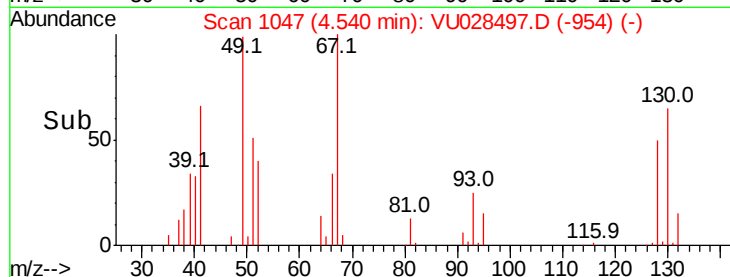
#41
Methacrylonitrile
Concen: 155.665 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 231176
Ion Ratio Lower Upper
41 100
39 52.4 43.3 64.9
67 65.1 53.6 80.4
52 26.2 22.1 33.1

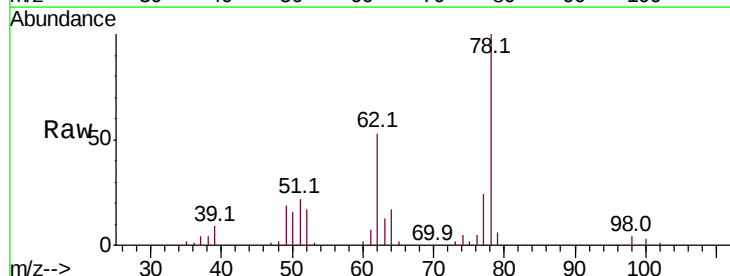


Abundance Ion 41.00 (40.70 to 41.70): VU0
250000
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

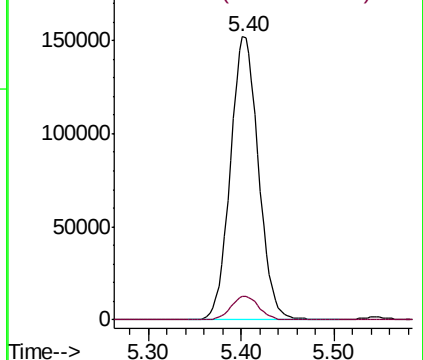
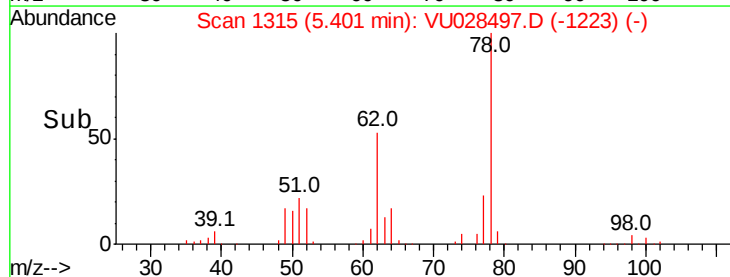


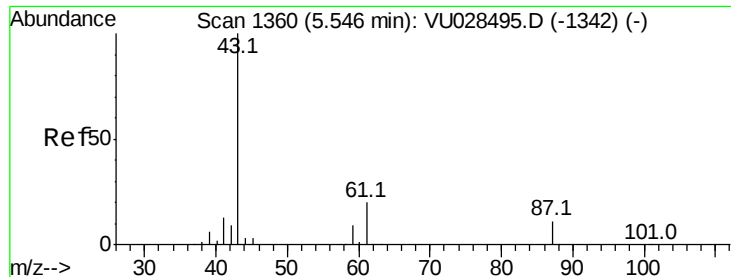
#42
1,2-Dichloroethane
Concen: 147.551 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 62 Resp: 319099
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 152.924 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

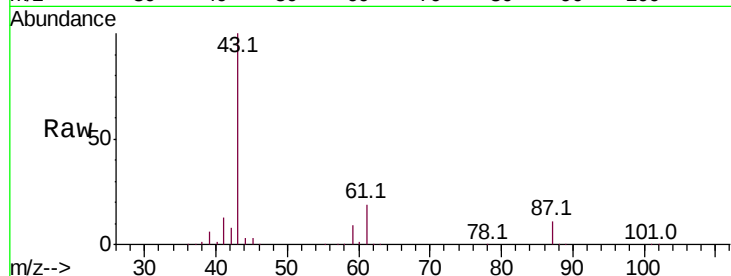
Tot Ion: 43 Resp: 655922

Ion Ratio Lower Upper

43 100

61 19.3 15.5 23.3

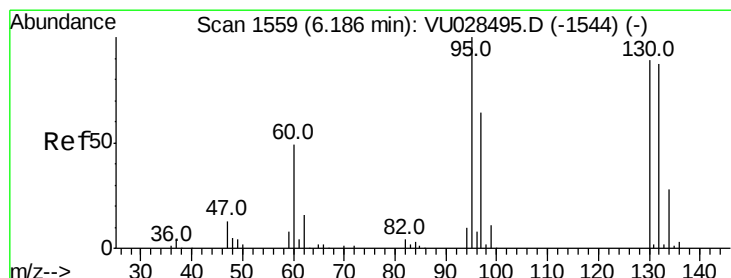
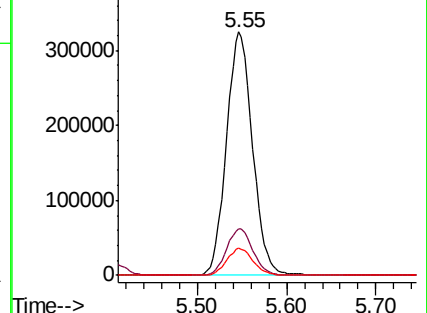
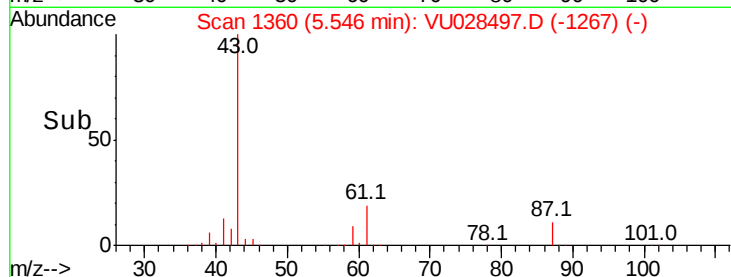
87 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028497.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028497.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028497.D (-1267) (-)



#44

Trichloroethene

Concen: 150.162 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028497.D

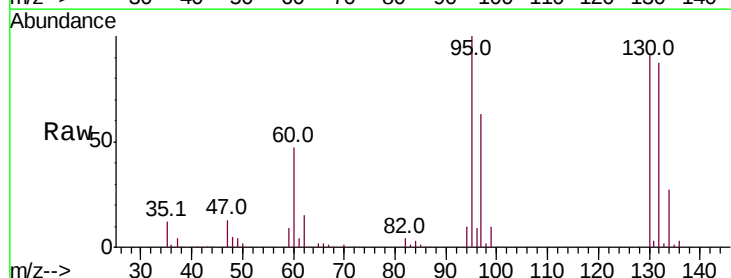
Acq: 06 Dec 2018 13:19

Tgt Ion:130 Resp: 206284

Ion Ratio Lower Upper

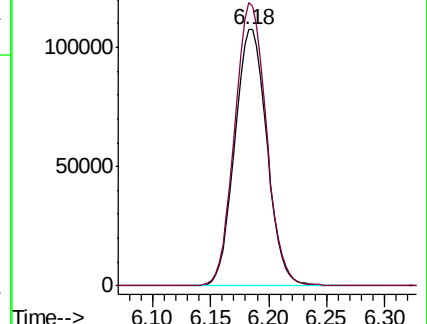
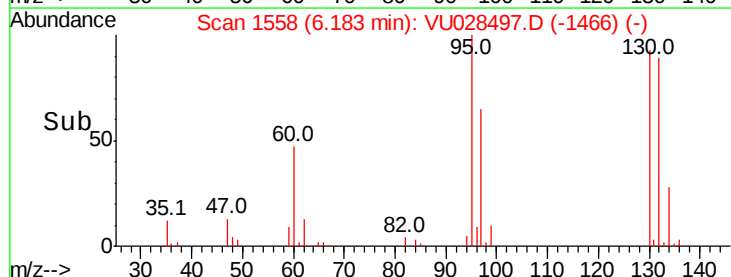
130 100

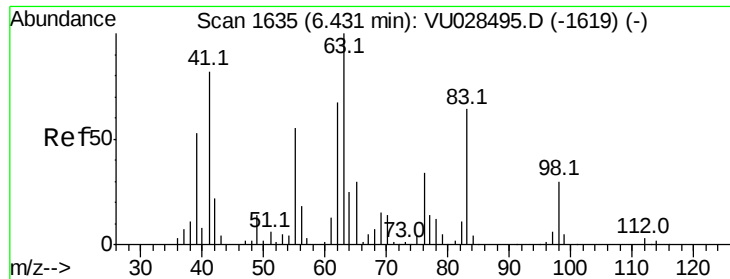
95 110.4 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028497.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU028497.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 152.177 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

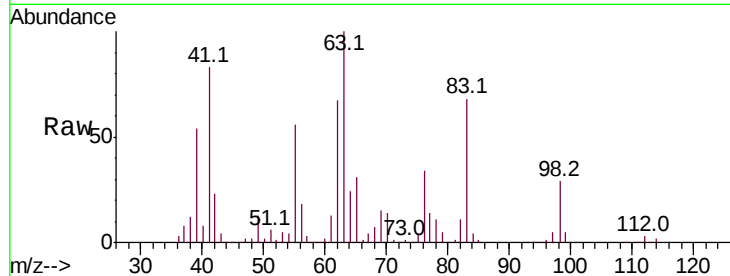
ClientSampled :

Tot Ion: 63 Resp: 264392

Ion Ratio Lower Upper

63 100

65 31.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

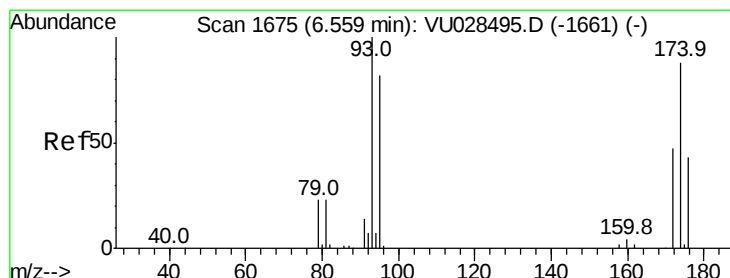
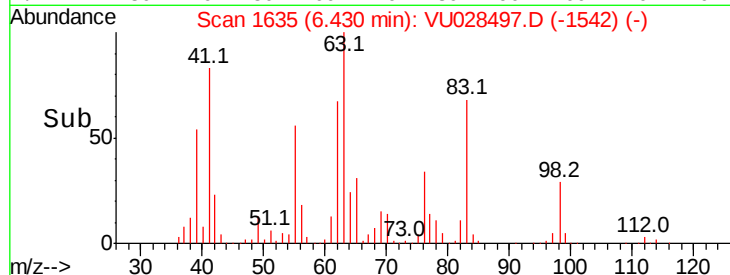
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 150.712 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

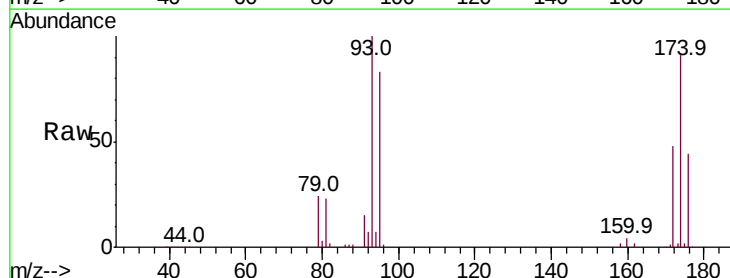
Tgt Ion: 93 Resp: 155361

Ion Ratio Lower Upper

93 100

95 83.2 65.4 98.2

174 91.2 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

100000

80000

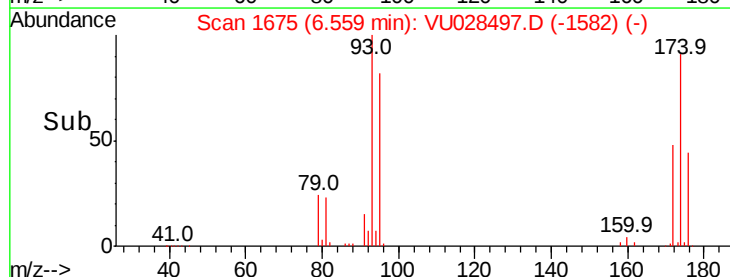
60000

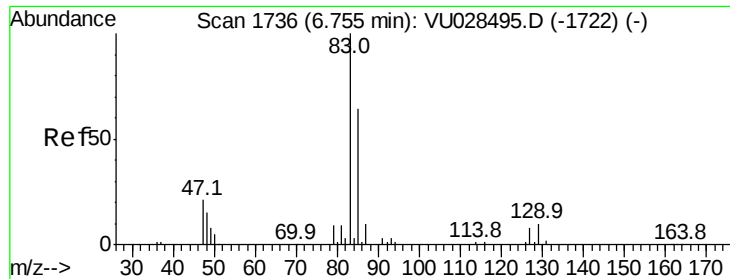
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 151.275 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampleId :

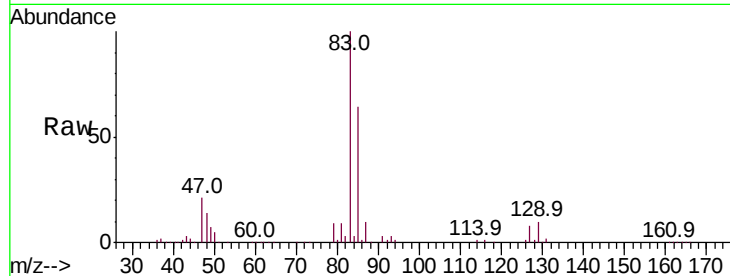
Tot Ion: 83 Resp: 303454

Ion Ratio Lower Upper

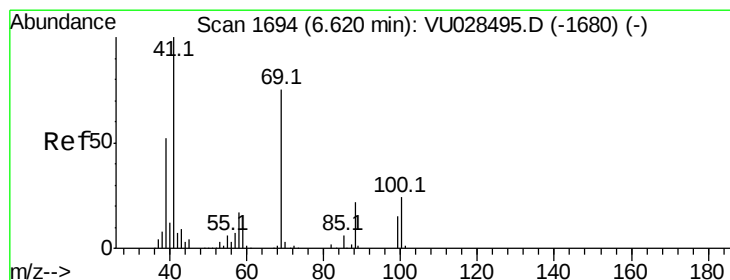
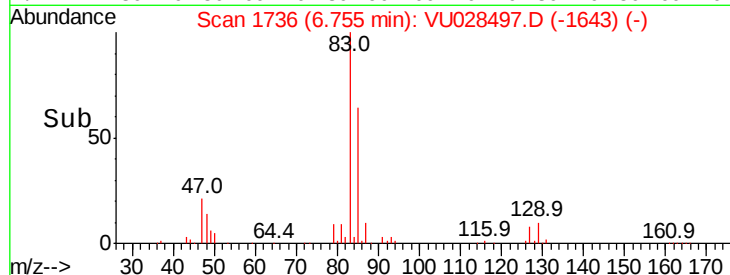
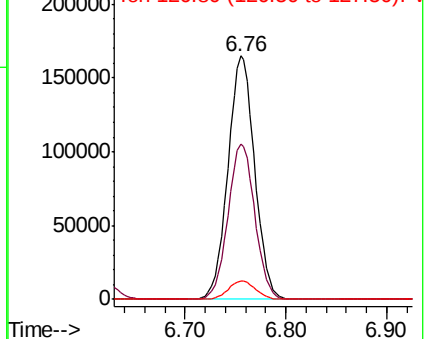
83 100

85 63.6 51.5 77.3

127 7.7 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: 156.271 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

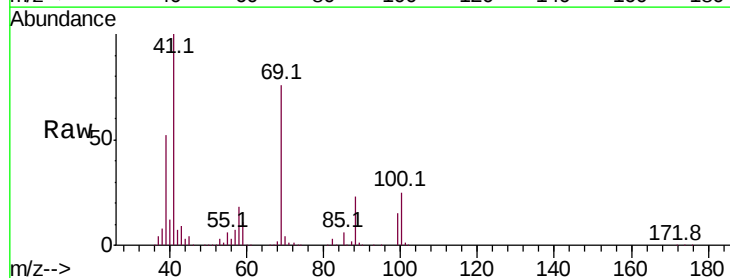
Tgt Ion: 41 Resp: 333330

Ion Ratio Lower Upper

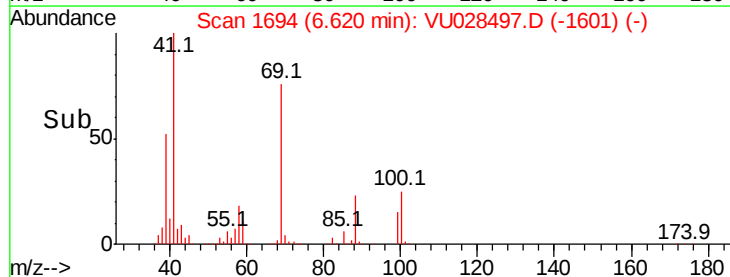
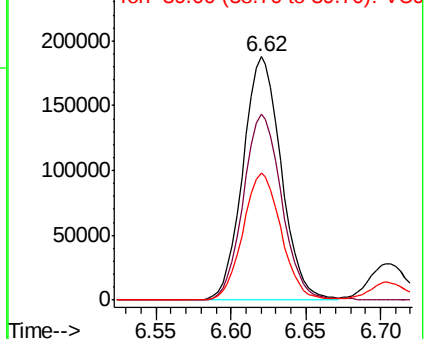
41 100

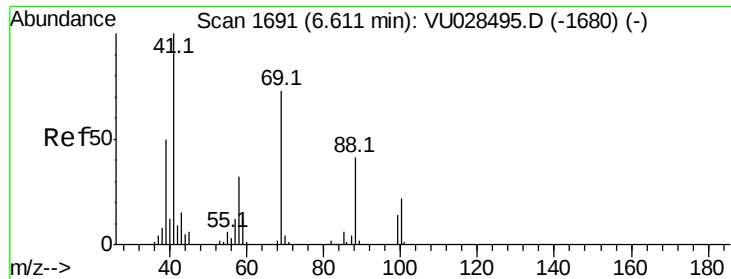
69 77.2 60.4 90.6

39 52.3 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

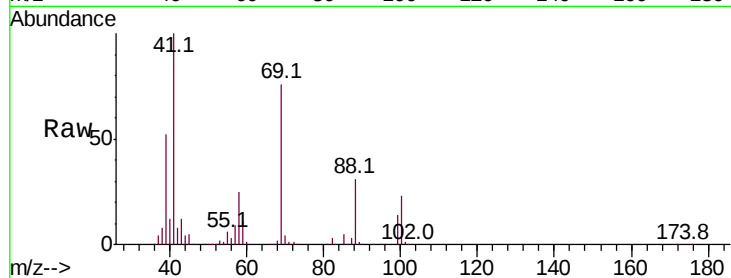




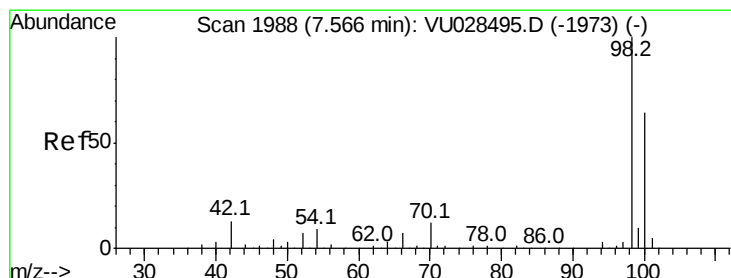
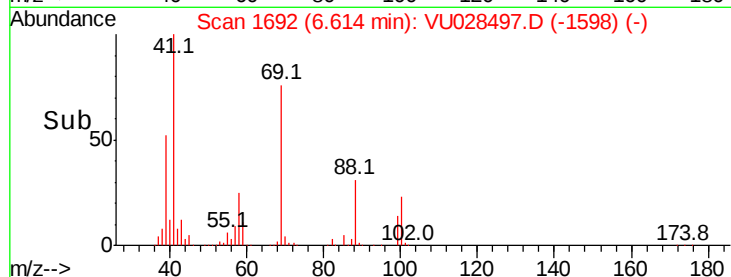
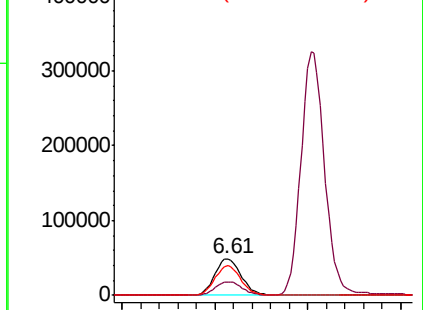
#49
1,4-Dioxane
Concen: 2856.842 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 96218
Ion Ratio Lower Upper
88 100
43 36.8 30.9 46.3
58 80.4 62.4 93.6

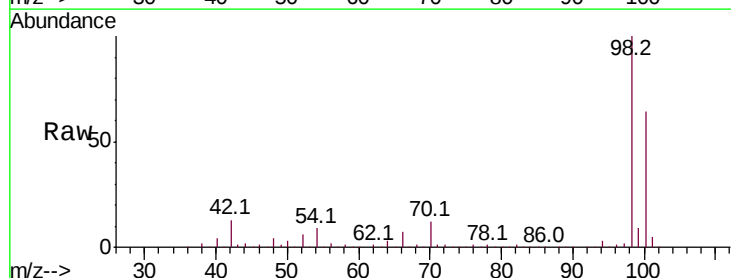


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

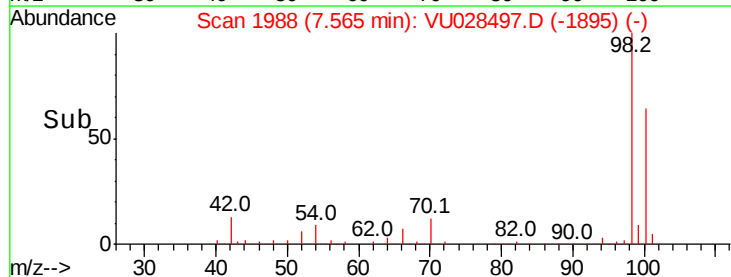
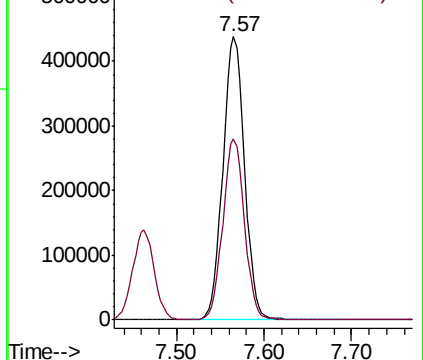


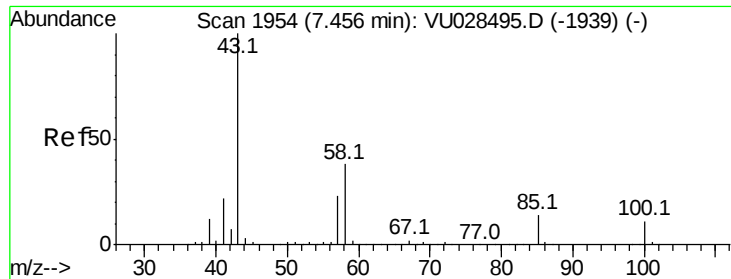
#50
Toluene-d8
Concen: 157.905 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 98 Resp: 753559
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 768.722 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

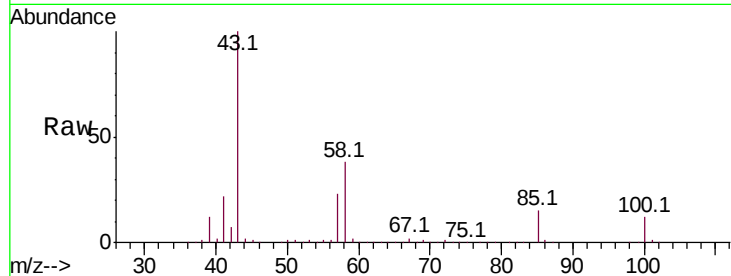
ClientSampleId :

Tot Ion: 43 Resp: 2079582

Ion Ratio Lower Upper

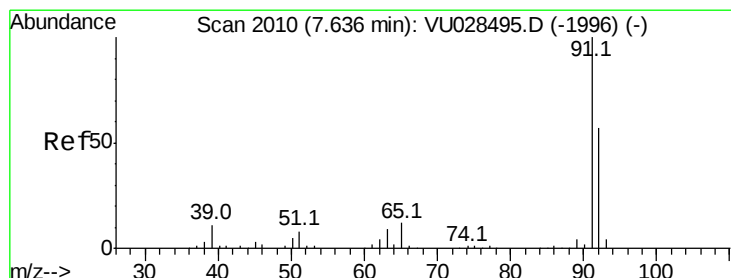
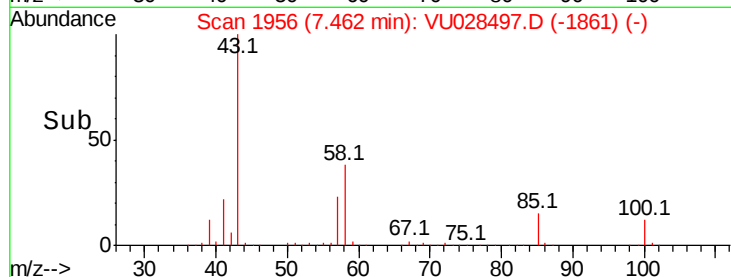
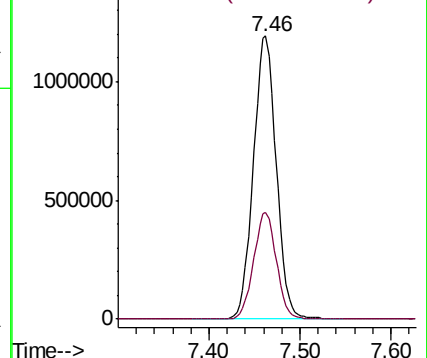
43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 151.664 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028497.D

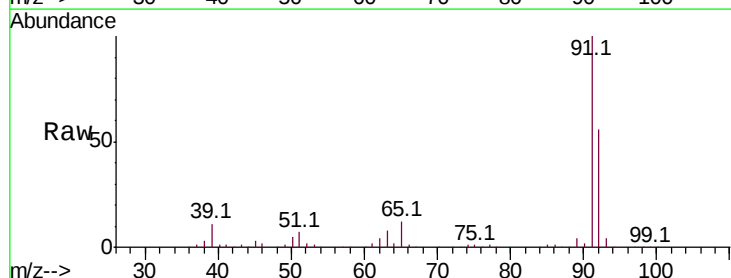
Acq: 06 Dec 2018 13:19

Tgt Ion: 92 Resp: 551461

Ion Ratio Lower Upper

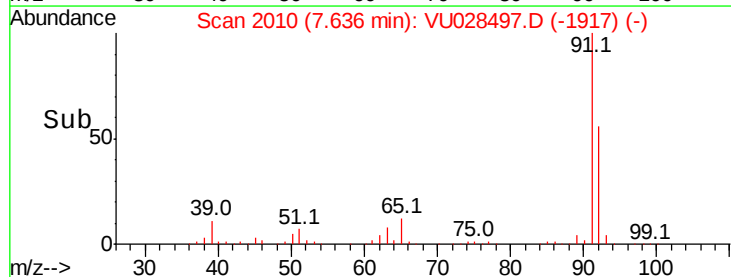
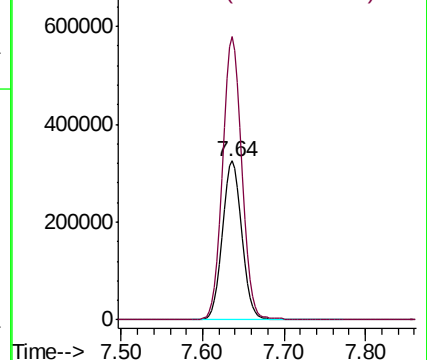
92 100

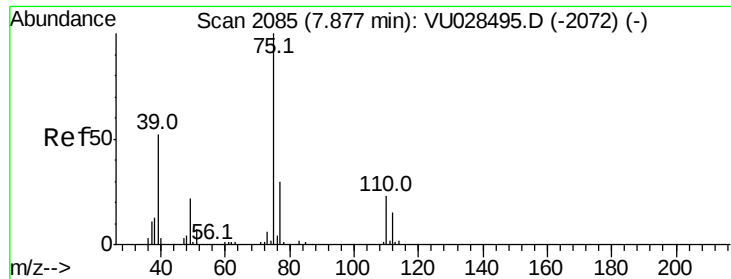
91 176.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 158.259 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

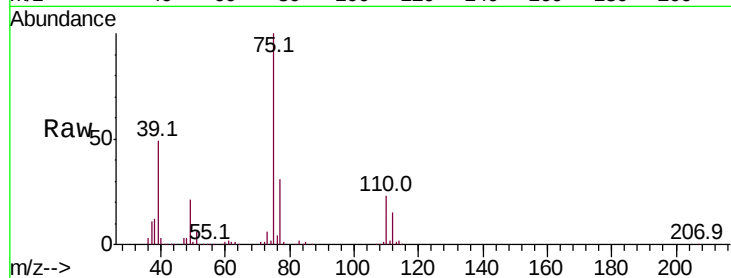
ClientSampled :

Tot Ion: 75 Resp: 378092

Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

250000

200000

150000

100000

50000

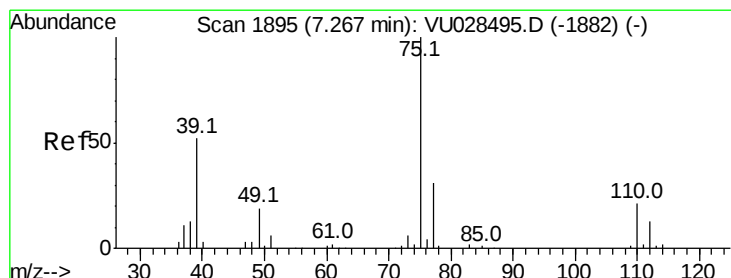
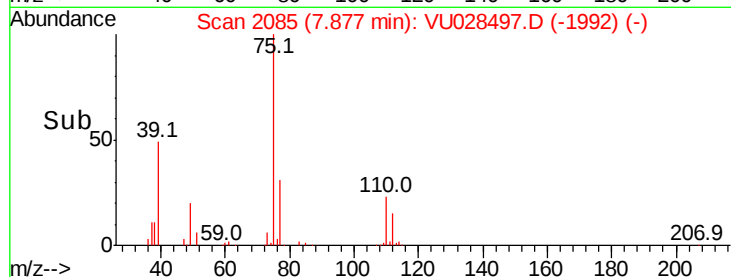
0

Time-->

7.80

7.90

8.00



#54

cis-1,3-Dichloropropene

Concen: 153.691 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

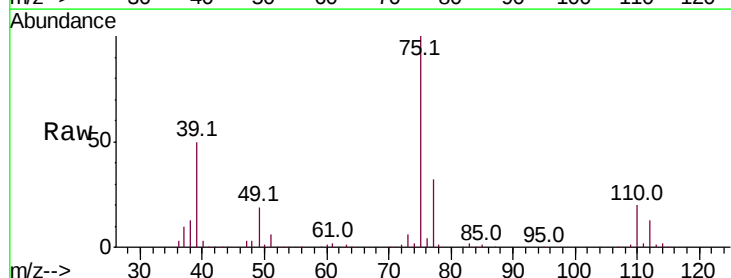
Tgt Ion: 75 Resp: 398363

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 50.1 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

300000

250000

200000

150000

100000

50000

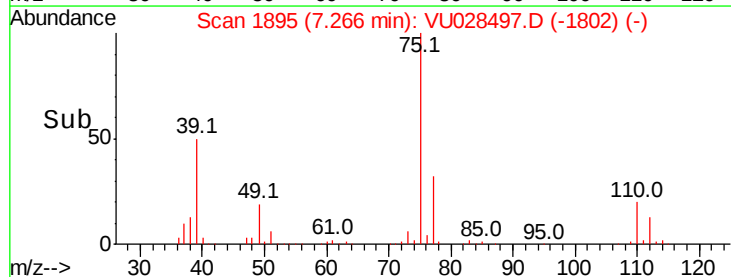
0

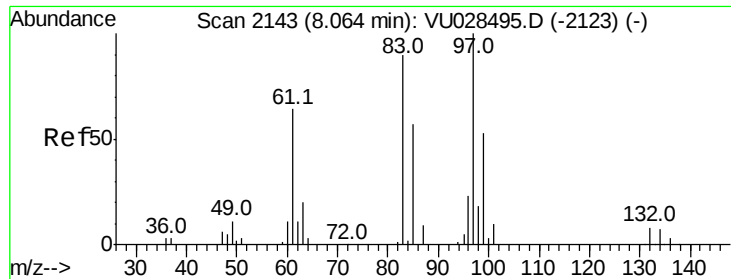
Time-->

7.20

7.30

7.40

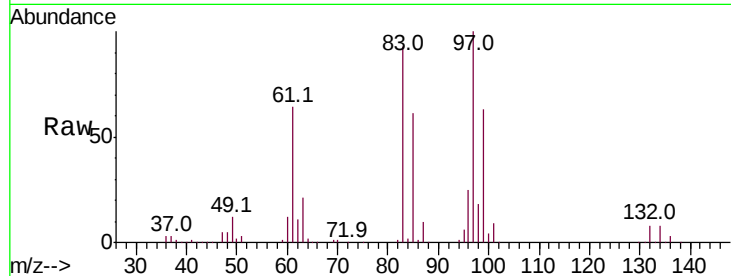




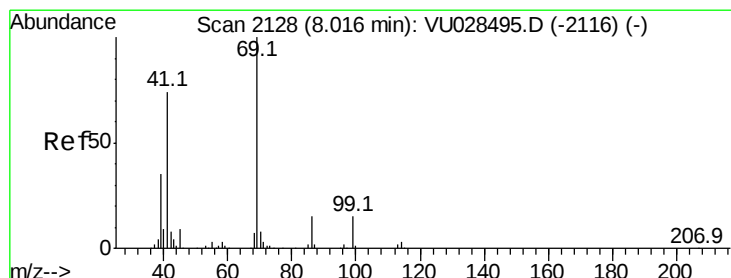
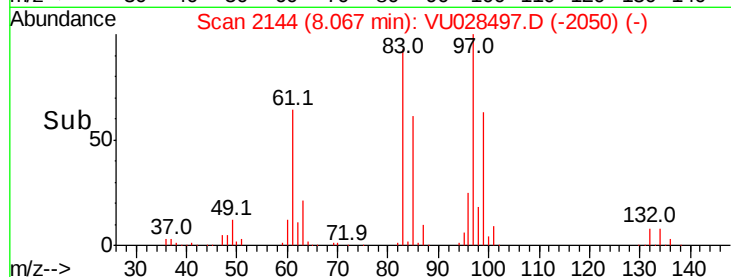
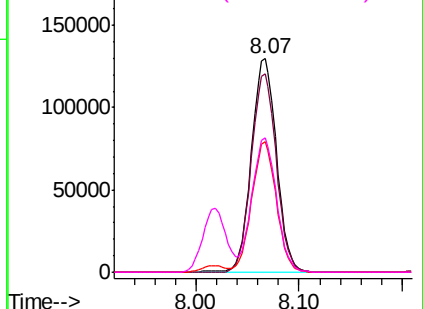
#55
 1,1,2-Trichloroethane
 Concen: 152.597 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	219329
Ion	Ratio	Lower	Upper
97	100		
83	93.0	72.4	108.6
85	61.2	46.0	69.0
99	62.6	47.4	71.2

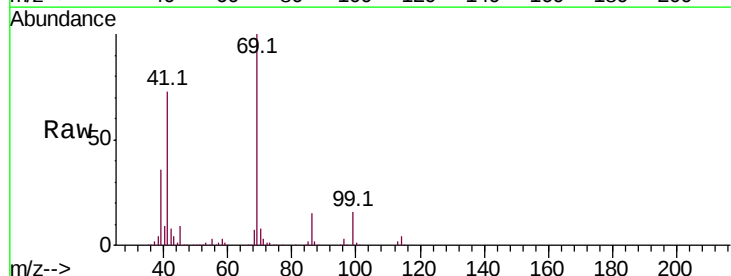


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

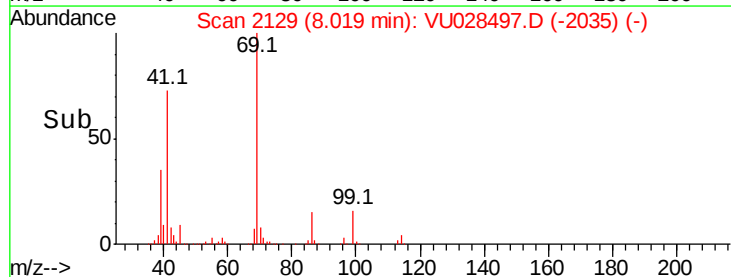
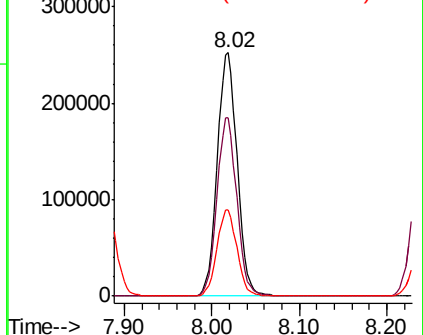


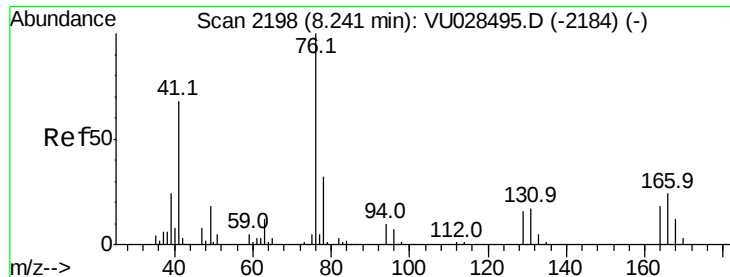
#56
 Ethyl methacrylate
 Concen: 162.258 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion:	69	Resp:	399370
Ion	Ratio	Lower	Upper
69	100		
41	73.0	59.1	88.7
39	35.4	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 150.728 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

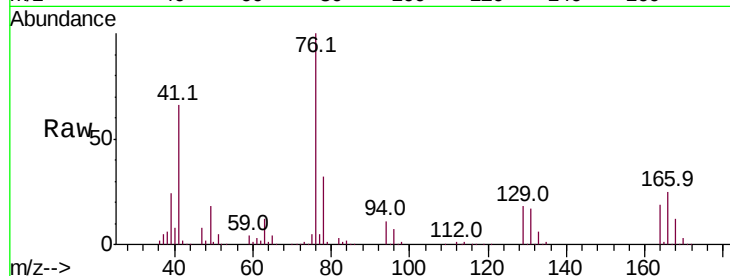
ClientSampleId :

Tot Ion: 76 Resp: 402154

Ion Ratio Lower Upper

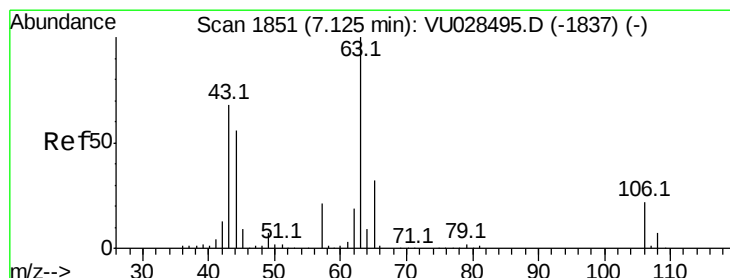
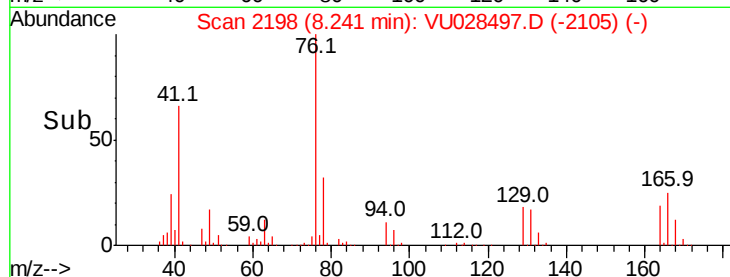
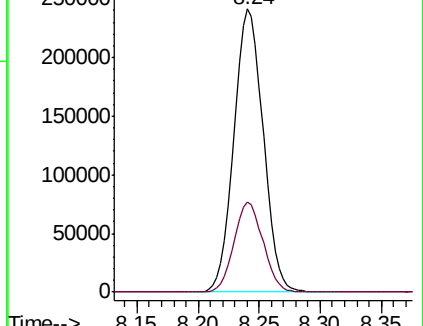
76 100

78 31.7 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: 811.346 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028497.D

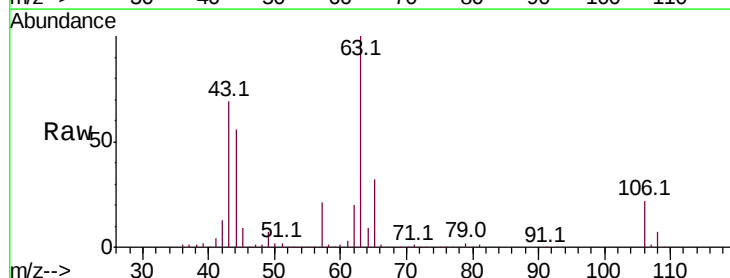
Acq: 06 Dec 2018 13:19

Tgt Ion: 63 Resp: 1022863

Ion Ratio Lower Upper

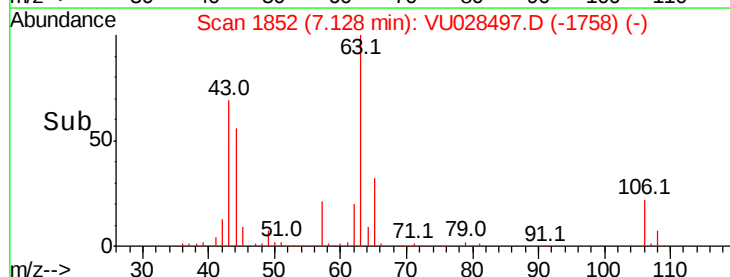
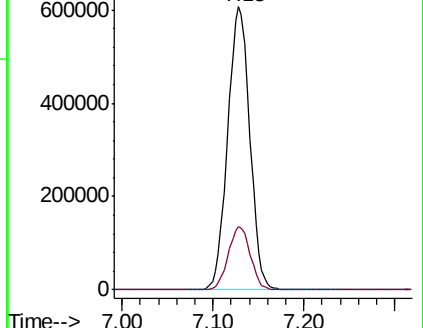
63 100

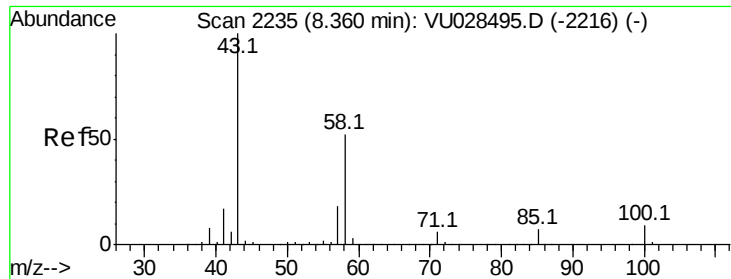
106 22.5 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

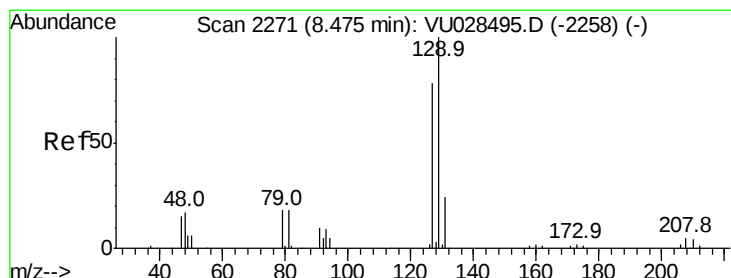
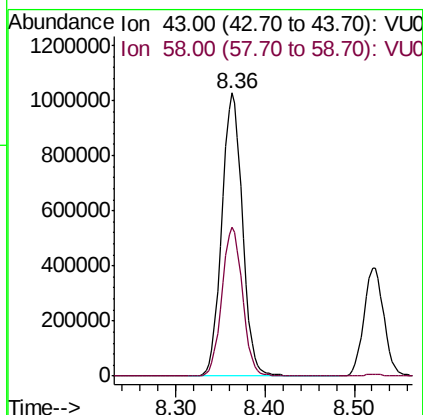
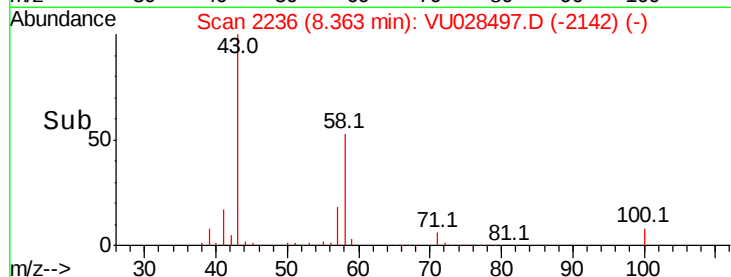
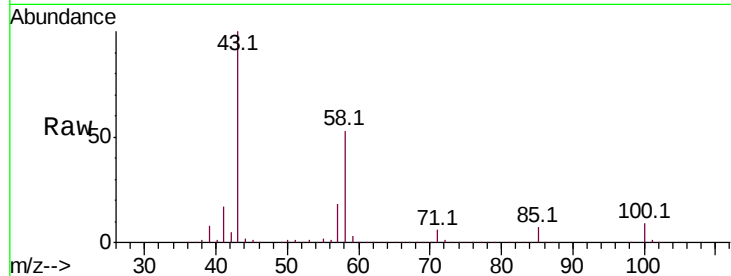




#59
2-Hexanone
Concen: 764.977 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

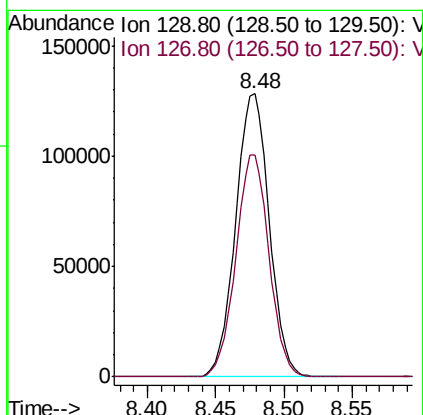
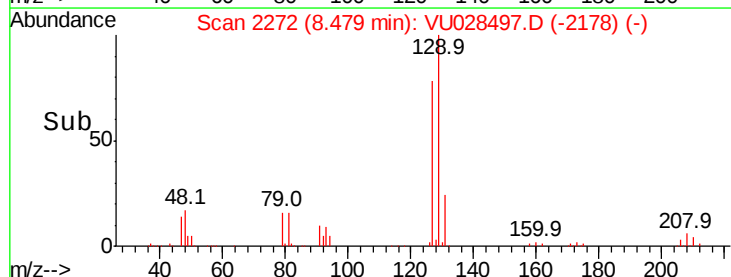
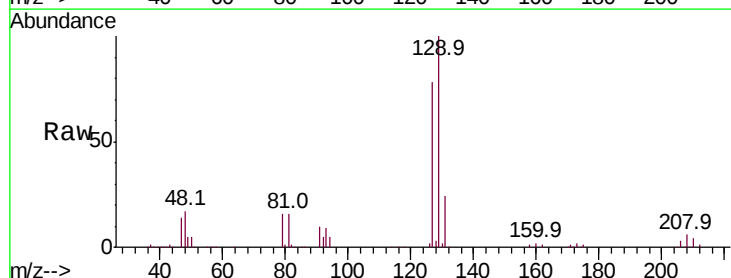
Instrument :
MSVOA_U
ClientSampled :

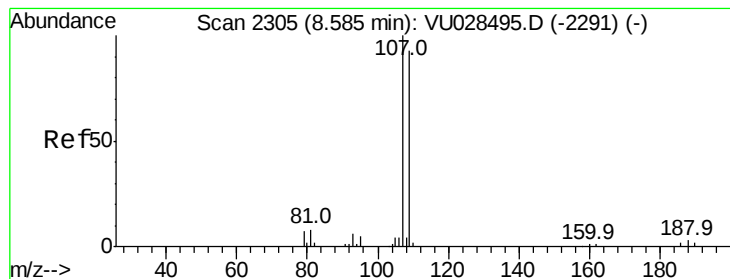
Tot Ion: 43 Resp: 1640260
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.6



#60
Dibromochloromethane
Concen: 155.990 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion:129 Resp: 219511
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 156.700 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

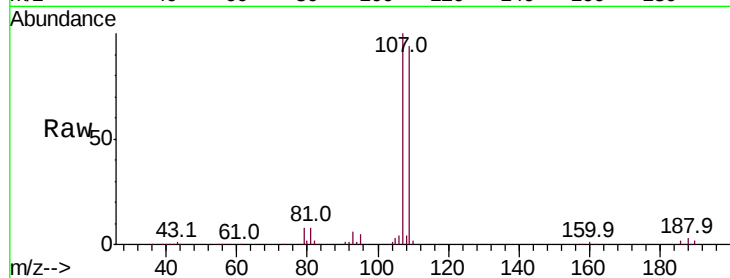
ClientSampleId :

Tot Ion:107 Resp: 236187

Ion Ratio Lower Upper

107 100

109 94.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

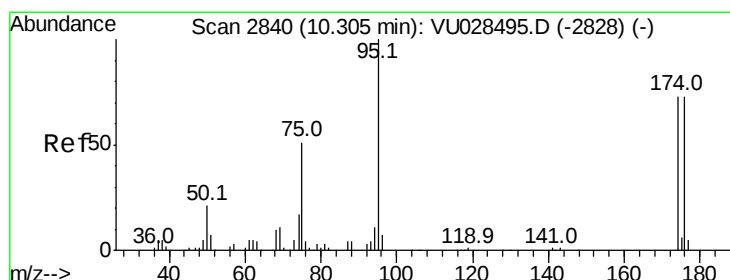
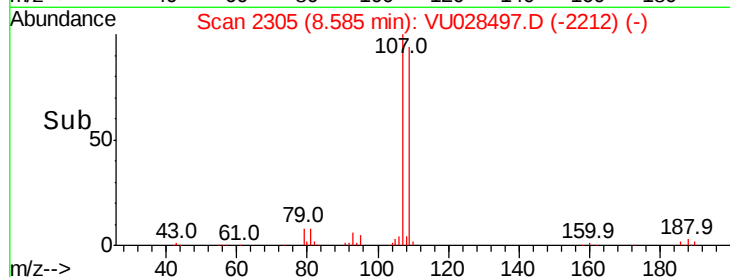
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 162.820 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

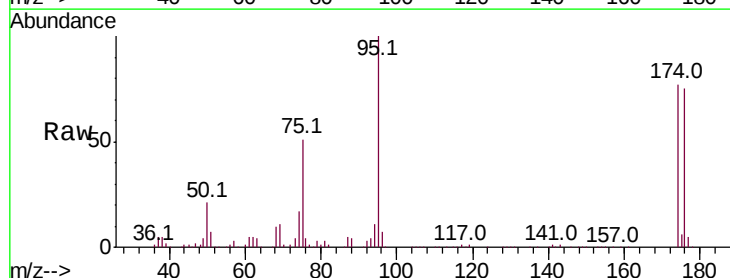
Tgt Ion: 95 Resp: 290419

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

176 73.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

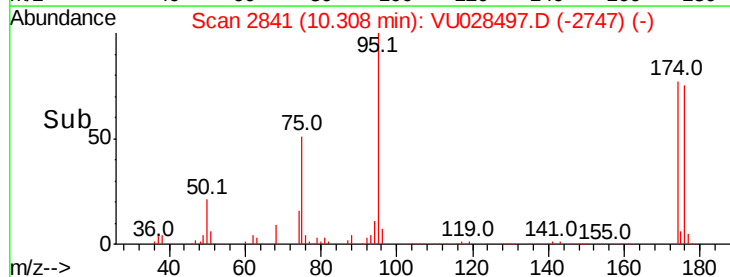
150000

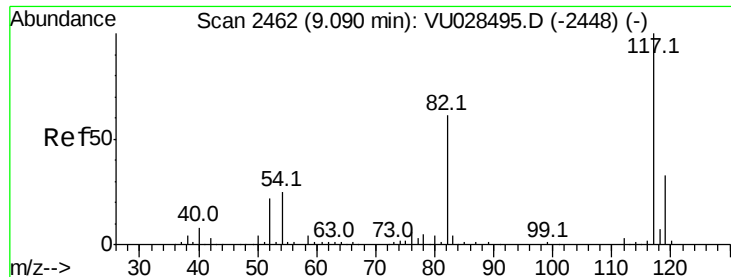
100000

50000

0

Time-->

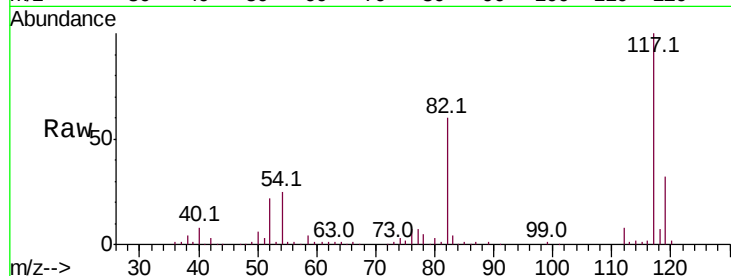




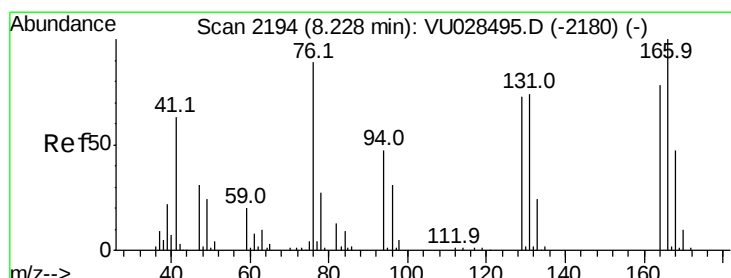
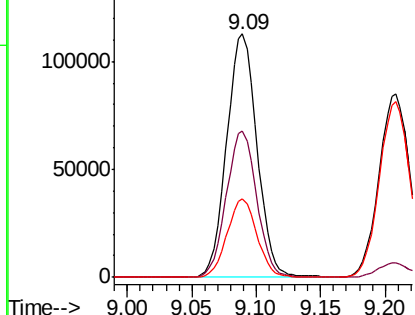
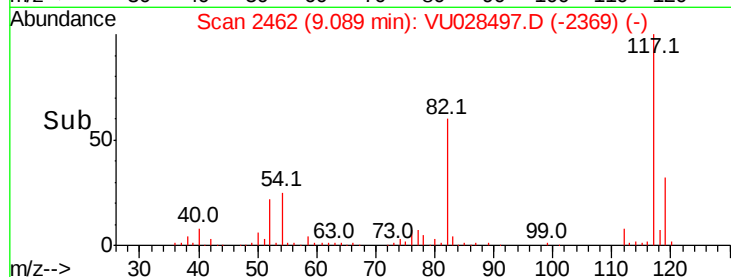
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 184167
Ion Ratio Lower Upper
117 100
82 59.9 48.9 73.3
119 32.2 26.2 39.4

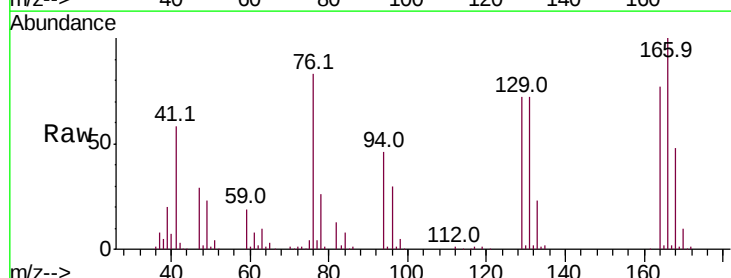


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

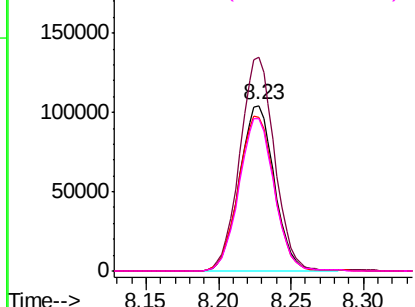
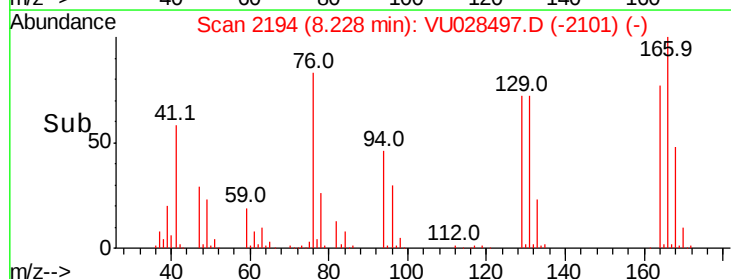


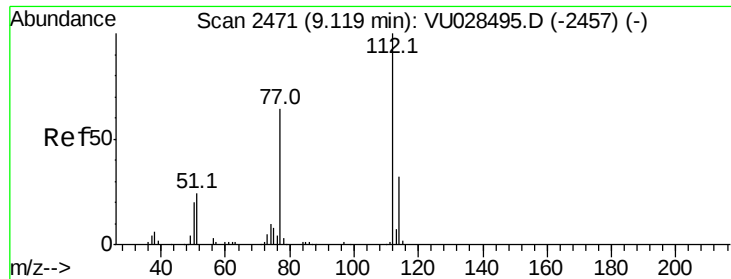
#64
Tetrachloroethene
Concen: 142.358 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion:164 Resp: 174878
Ion Ratio Lower Upper
164 100
166 129.2 101.9 152.9
129 93.2 74.9 112.3
131 92.5 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

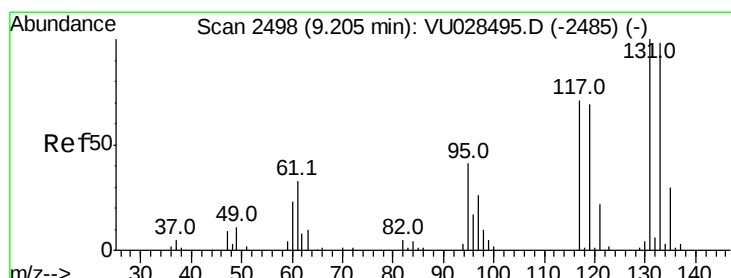
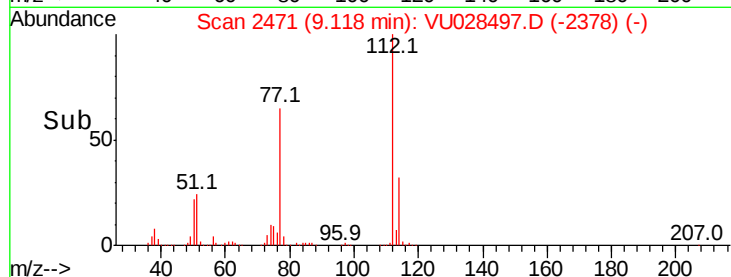
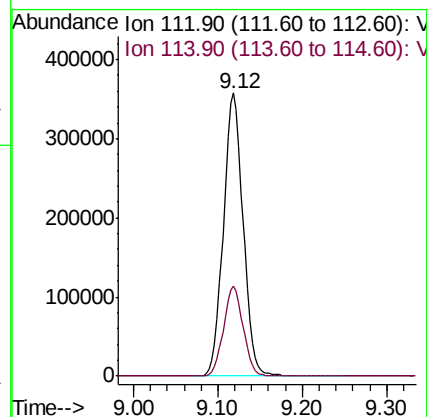
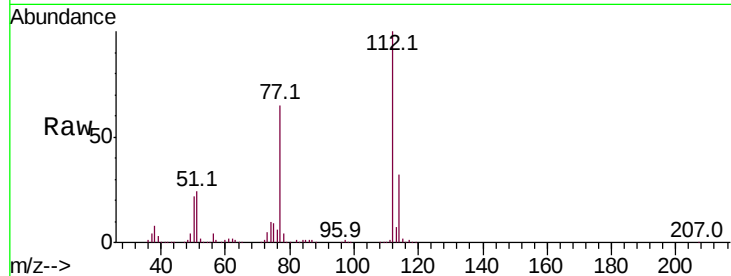




#65
Chlorobenzene
Concen: 147.944 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

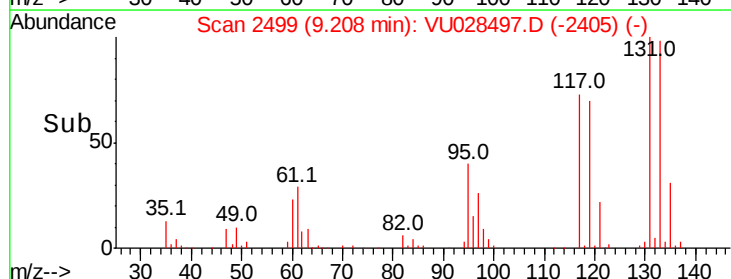
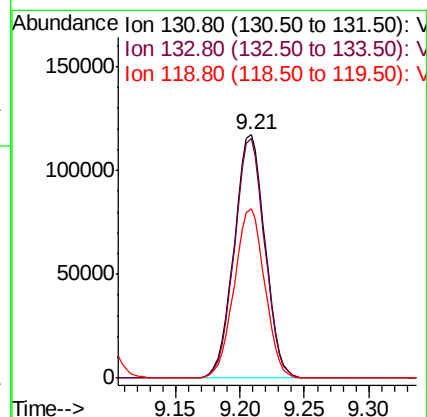
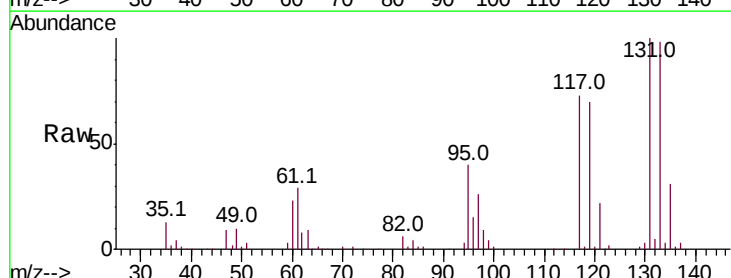
Instrument :
MSVOA_U
ClientSampled :

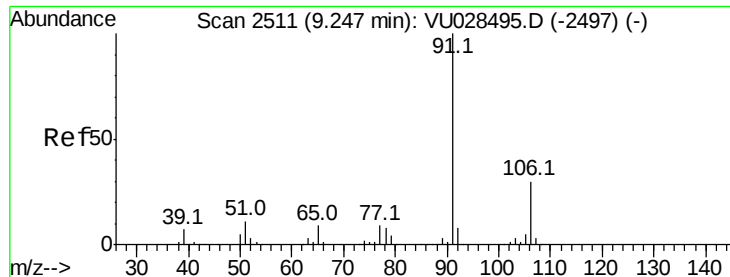
Tot Ion:112 Resp: 580596
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 155.286 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion:131 Resp: 194604
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 69.1 34.6 103.9

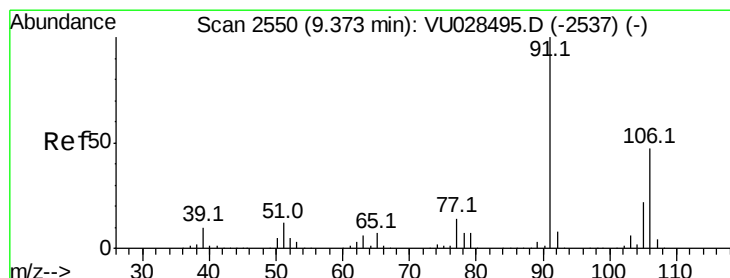
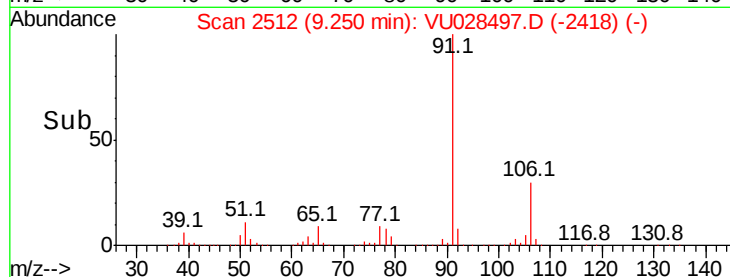
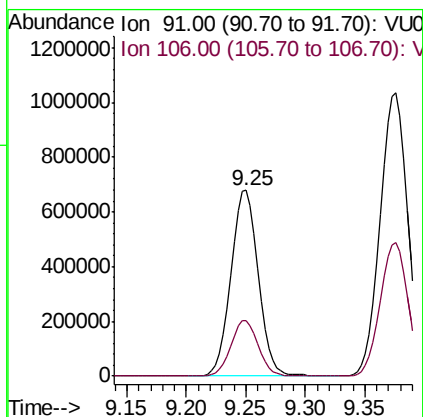
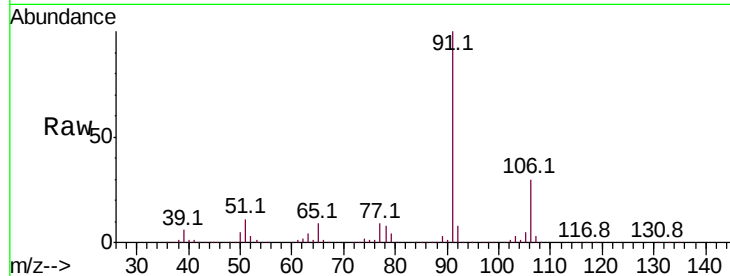




#67
Ethyl Benzene
Concen: 150.242 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

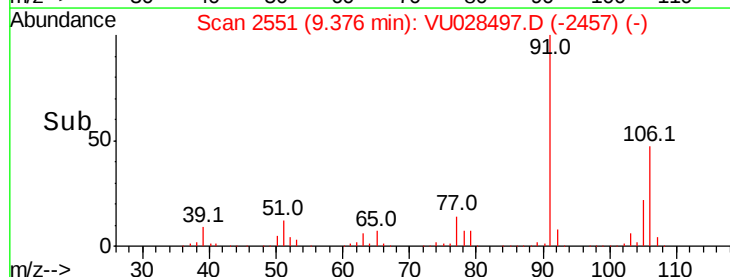
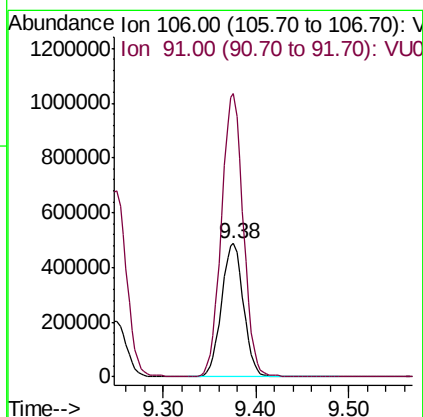
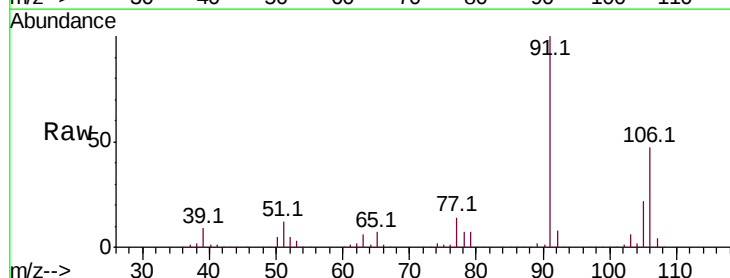
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1083897
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 306.361 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion:106 Resp: 804229
Ion Ratio Lower Upper
106 100
91 210.6 167.4 251.0

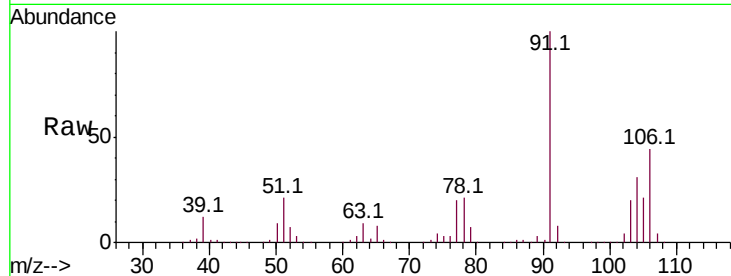




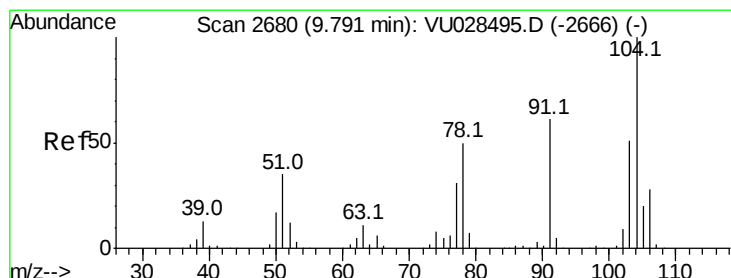
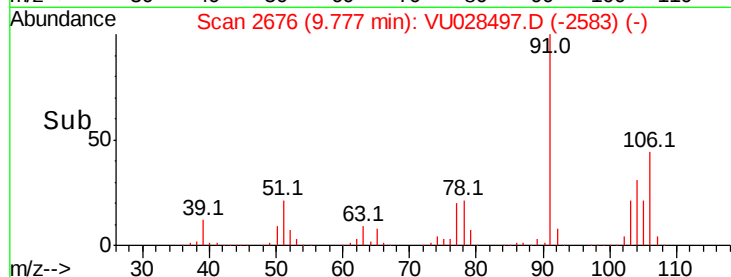
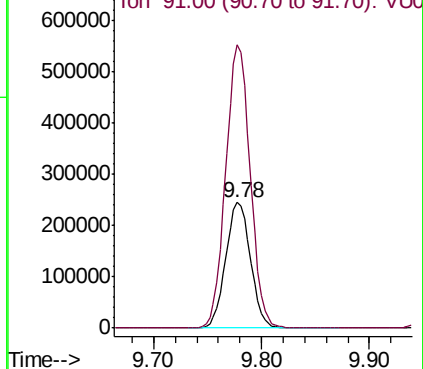
#69
o-Xylene
Concen: 153.370 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 391258
Ion Ratio Lower Upper
106 100
91 222.8 111.3 334.0

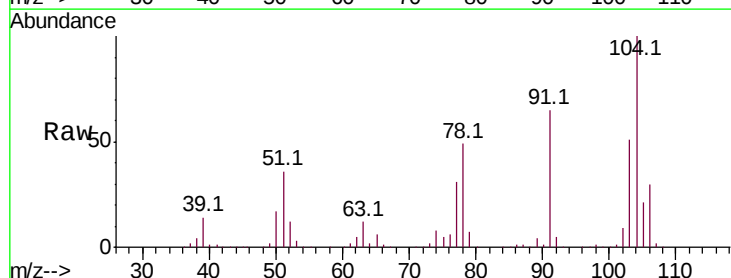


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

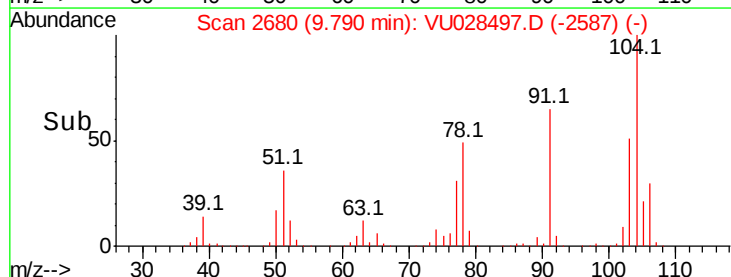
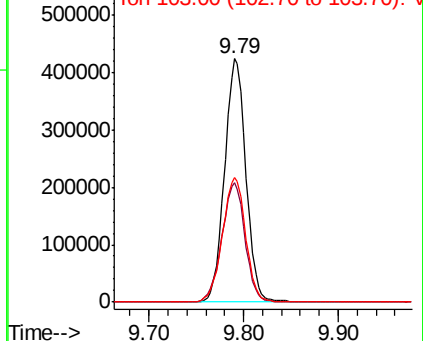


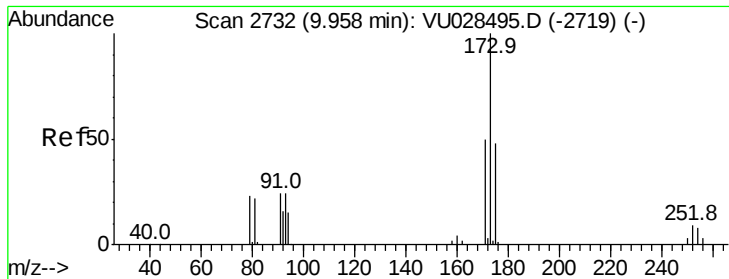
#70
Styrene
Concen: 157.705 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion:104 Resp: 665804
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.6
103 55.5 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: 165.445 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :
MSVOA_U
ClientSampled :

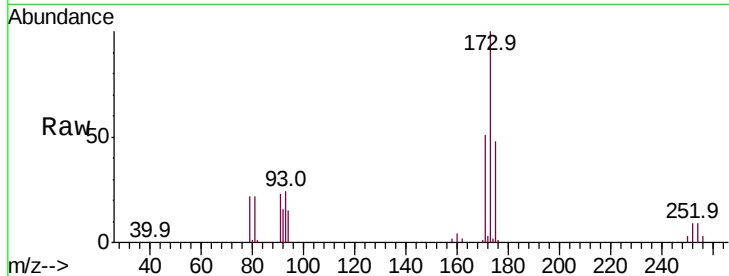
Tot Ion:173 Resp: 176378

Ion Ratio Lower Upper

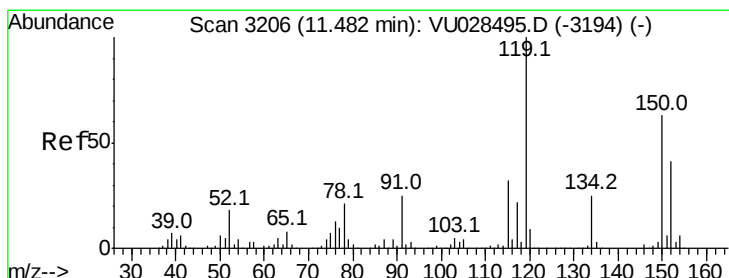
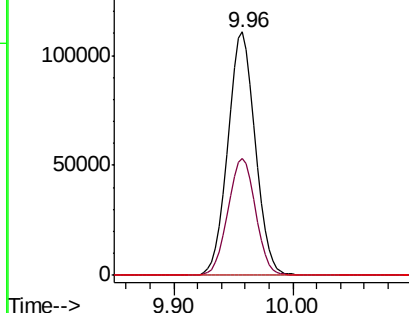
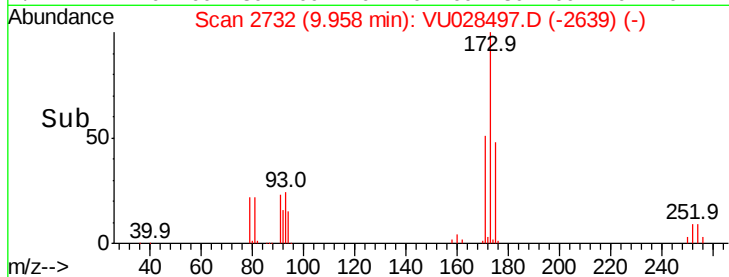
173 100

175 48.4 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: VU028497.D

Acq: 06 Dec 2018 13:19

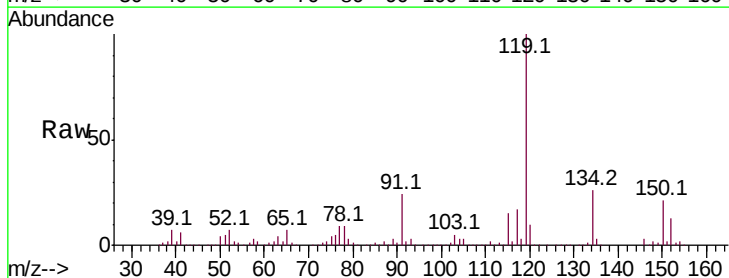
Tgt Ion:152 Resp: 96889

Ion Ratio Lower Upper

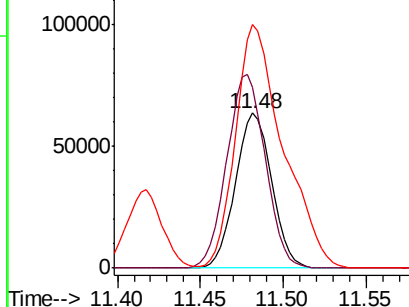
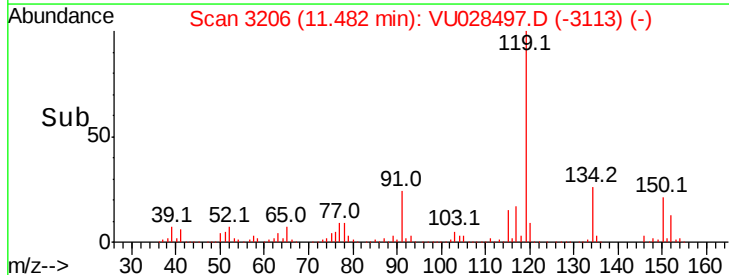
152 100

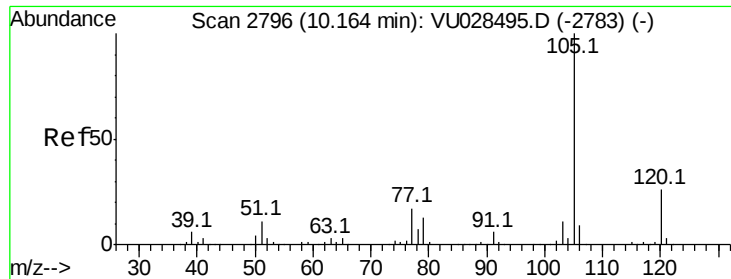
115 132.7 42.7 128.1#

150 207.0 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: 139.748 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

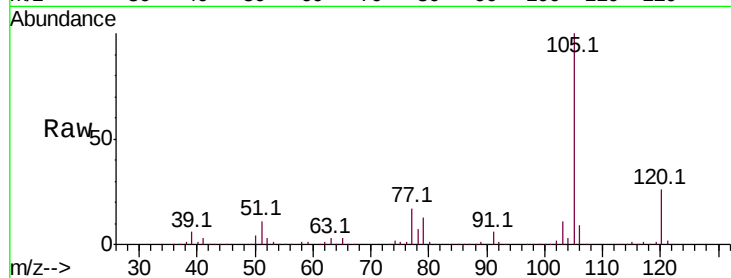
ClientSampleId :

Tot Ion:105 Resp: 1038978

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

600000

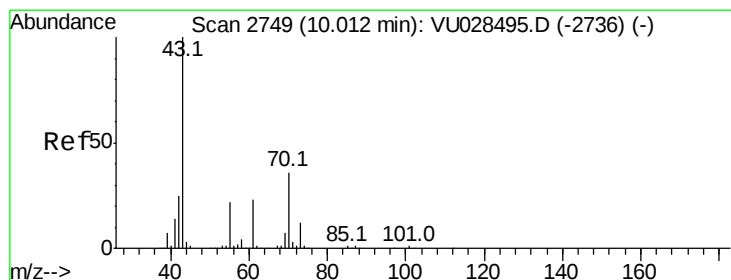
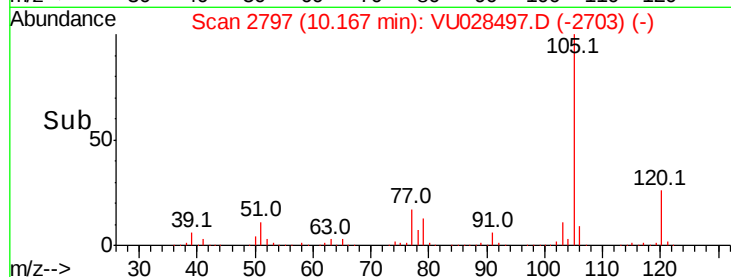
400000

200000

0

Time-->

10.10 10.20 10.30



#74

N-ethyl acetate

Concen: 146.884 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Tgt Ion: 43 Resp: 629913

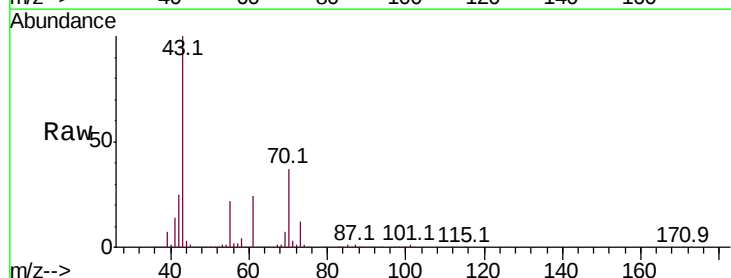
Ion Ratio Lower Upper

43 100

70 37.5 29.3 43.9

55 22.1 18.0 27.0

61 23.3 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

10.01

600000

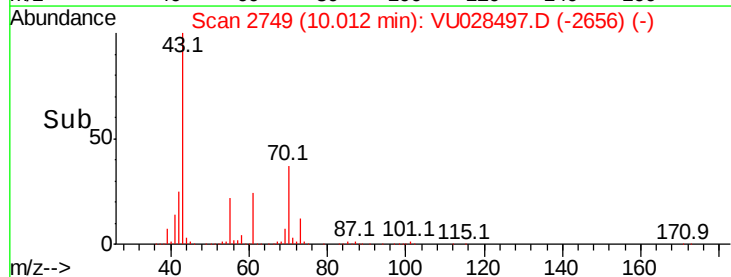
400000

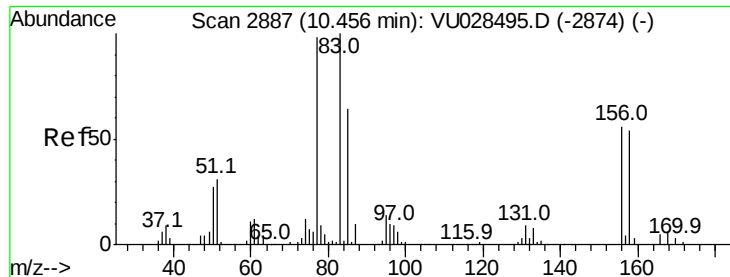
200000

0

Time-->

9.90 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 145.642 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampled :

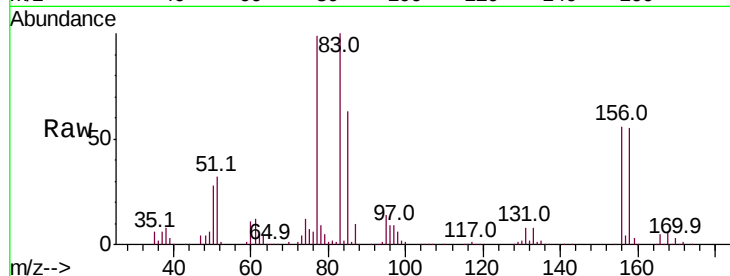
Tot Ion: 83 Resp: 415948

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

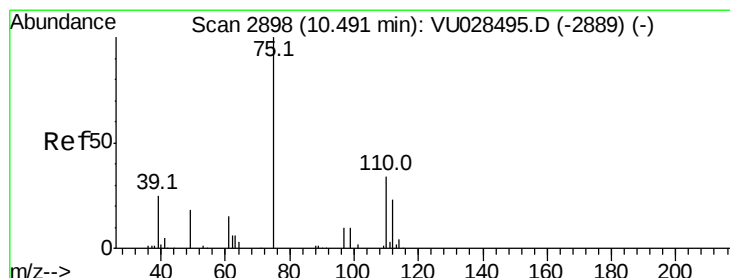
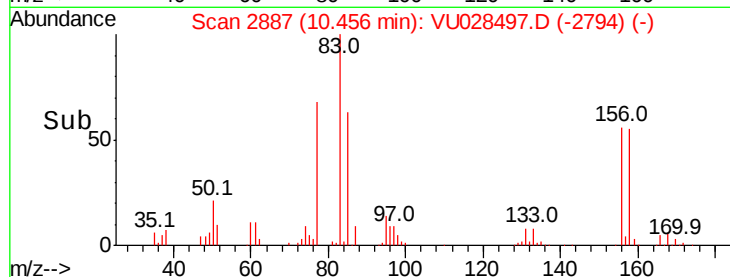
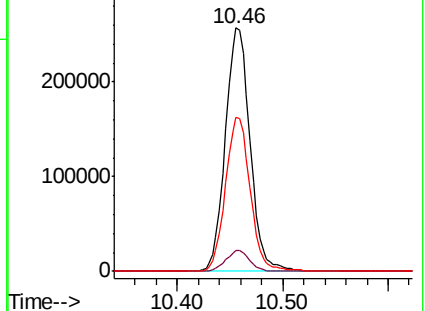
85 63.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 181.013 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028497.D

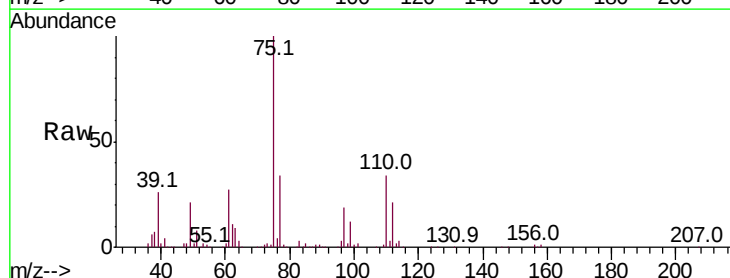
Acq: 06 Dec 2018 13:19

Tgt Ion: 75 Resp: 505968

Ion Ratio Lower Upper

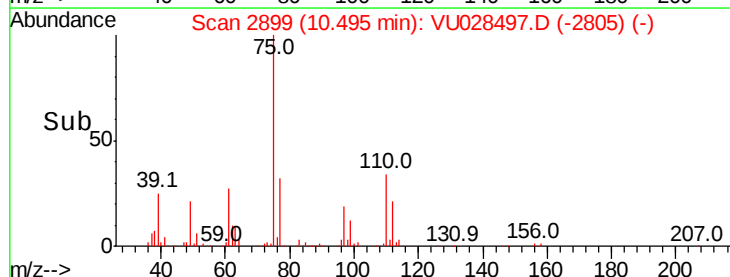
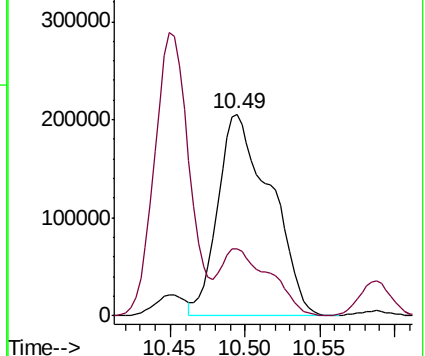
75 100

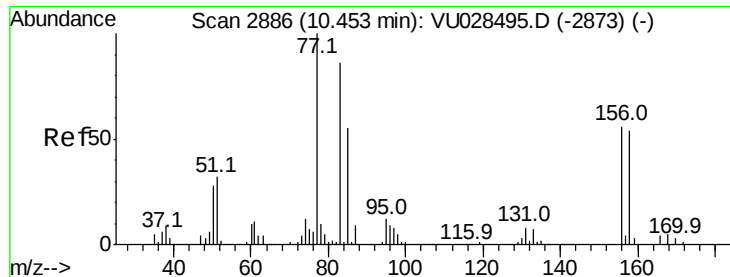
77 30.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 144.838 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

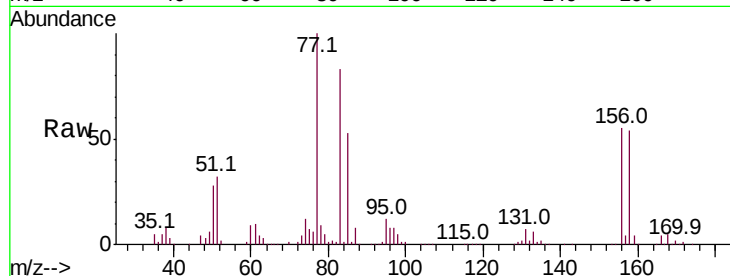
Tot Ion:156 Resp: 251840

Ion Ratio Lower Upper

156 100

77 185.4 92.4 277.2

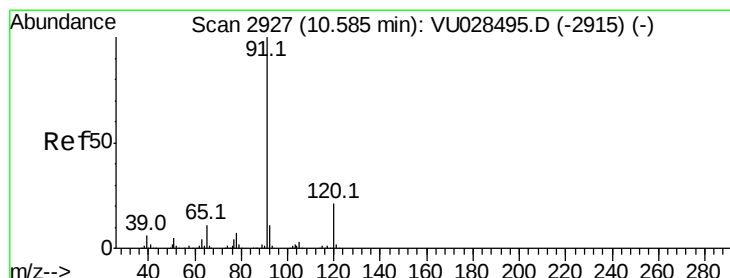
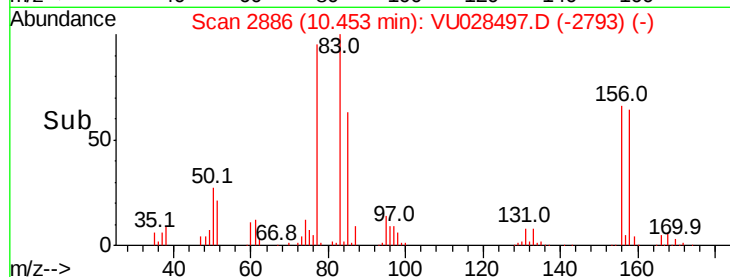
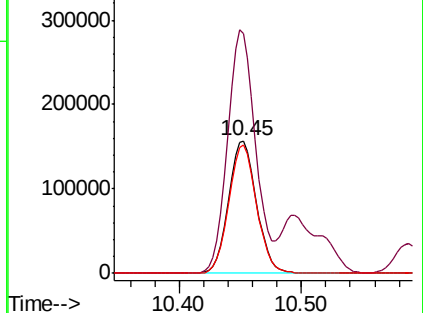
158 96.2 48.4 145.3



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: 142.632 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028497.D

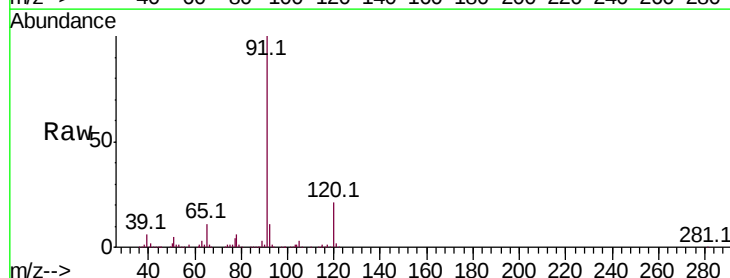
Acq: 06 Dec 2018 13:19

Tgt Ion: 91 Resp: 1317667

Ion Ratio Lower Upper

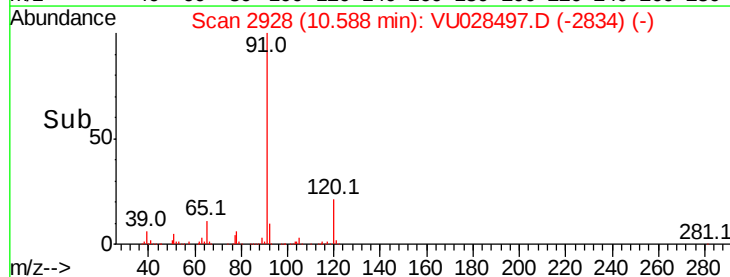
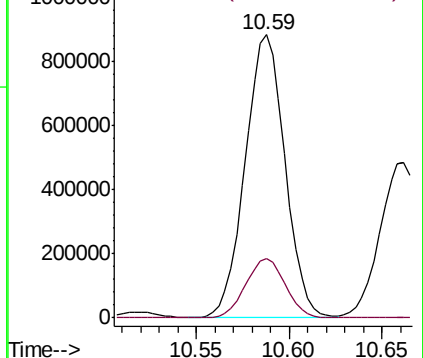
91 100

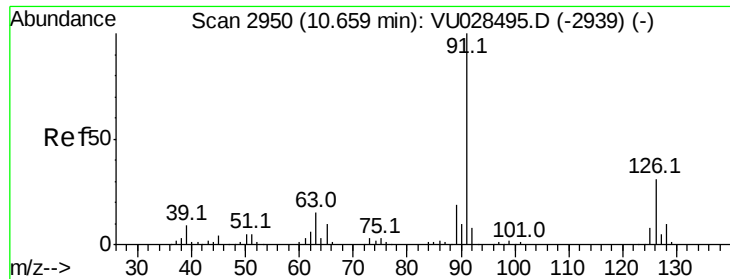
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.459 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

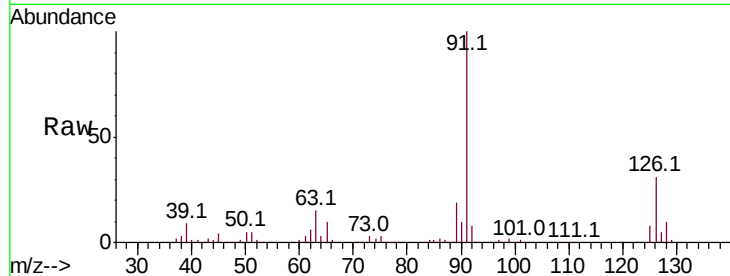
ClientSampleId :

Tot Ion: 91 Resp: 752764

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028497.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028497.D (-2939) (-)

1000000

800000

600000

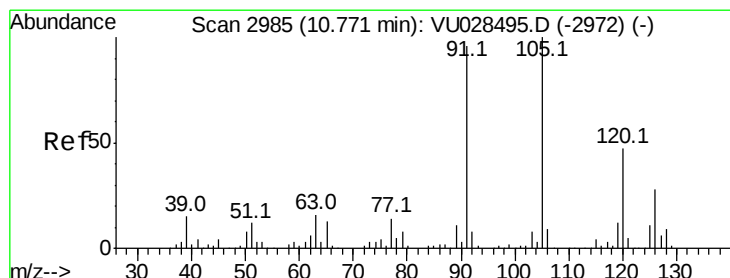
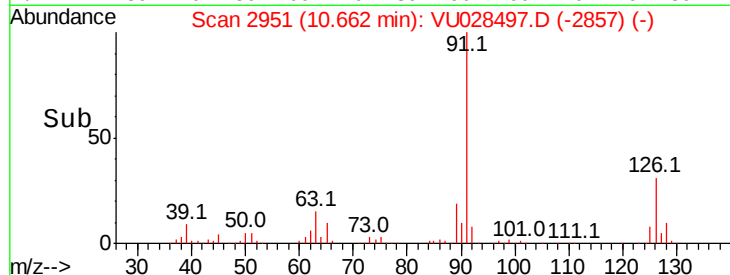
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 145.204 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028497.D

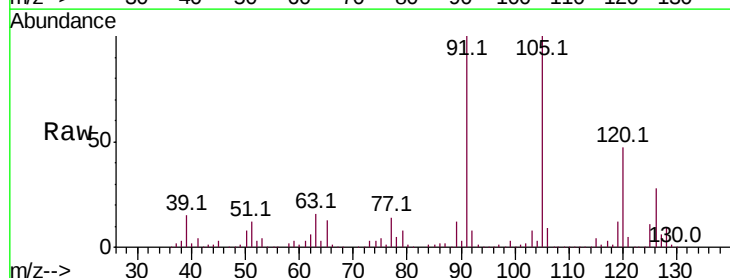
Acq: 06 Dec 2018 13:19

Tgt Ion: 105 Resp: 893609

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028497.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028497.D (-2972) (-)

600000

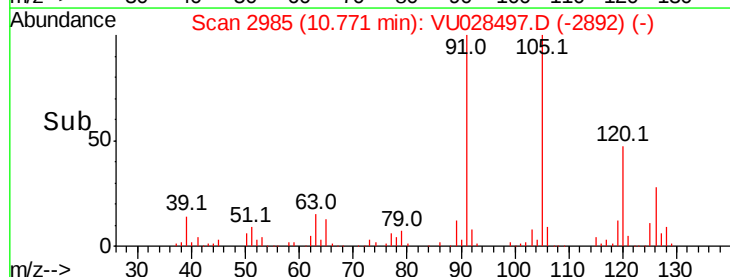
400000

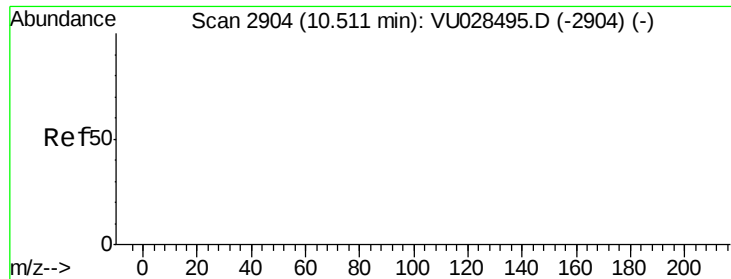
200000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 366.010 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

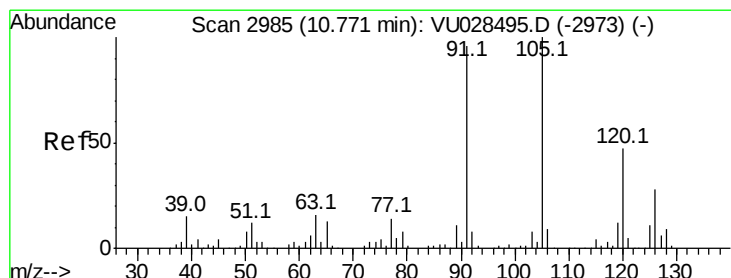
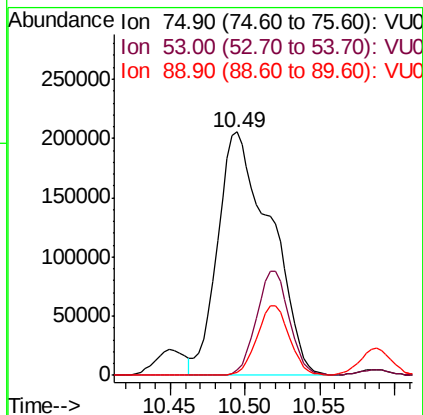
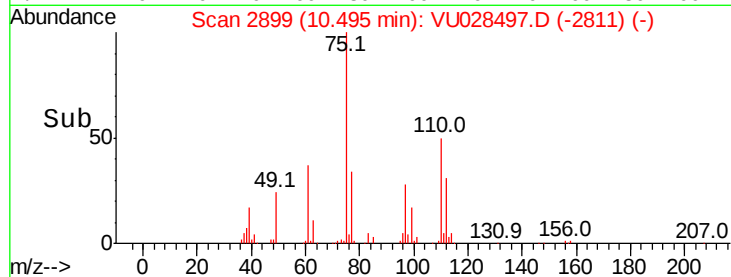
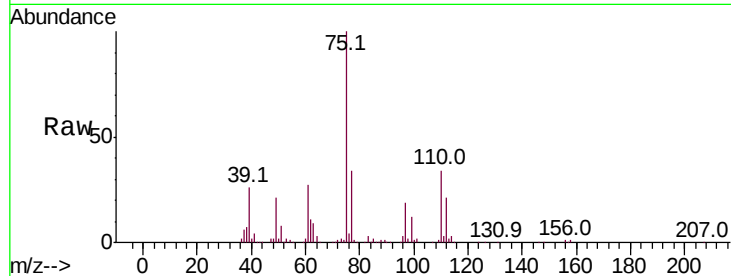
Tot Ion: 75 Resp: 505968

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 143.111 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028497.D

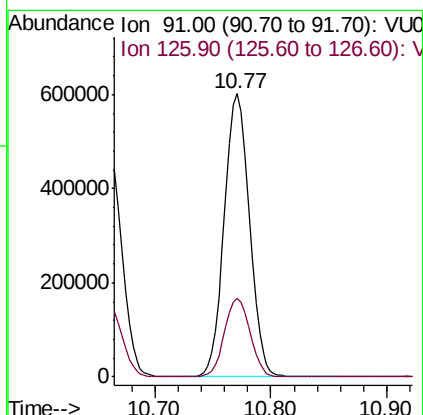
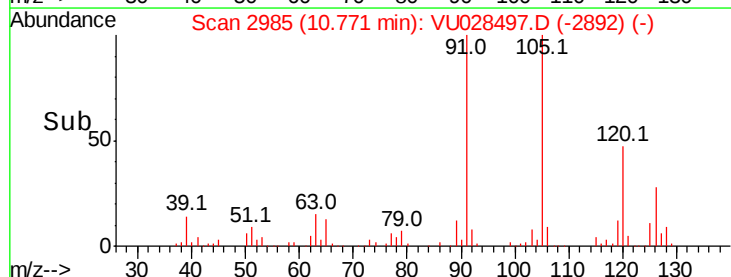
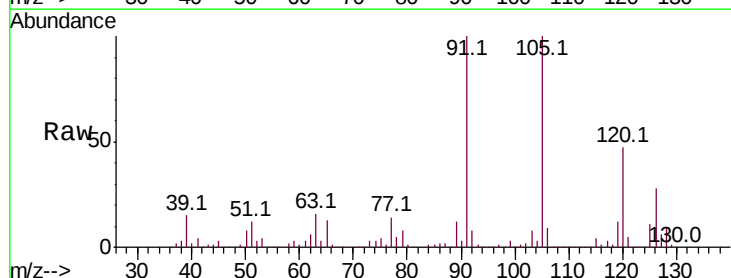
Acq: 06 Dec 2018 13:19

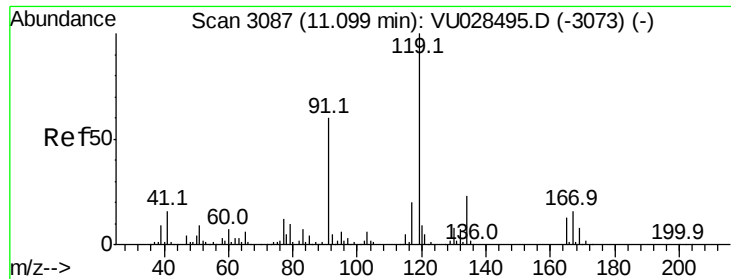
Tgt Ion: 91 Resp: 902453

Ion Ratio Lower Upper

91 100

126 28.3 14.1 42.3





#83

tert-Butylbenzene

Concen: 145.025 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

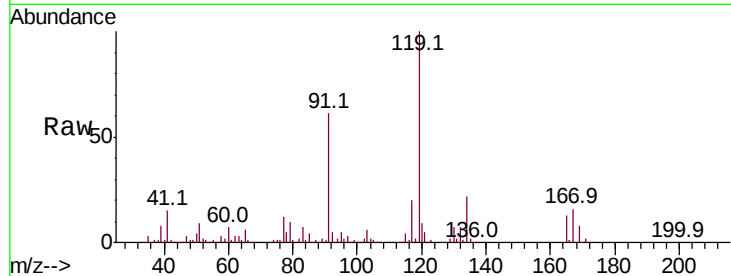
Tot Ion:119 Resp: 860256

Ion Ratio Lower Upper

119 100

91 60.4 30.3 91.0

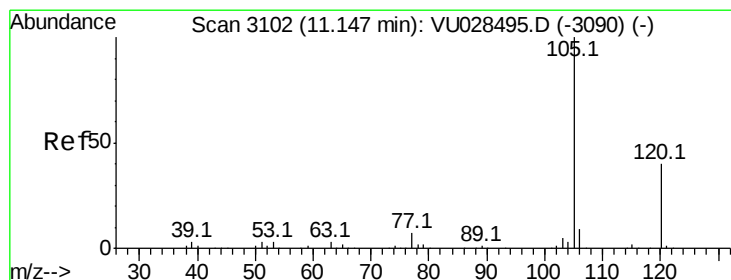
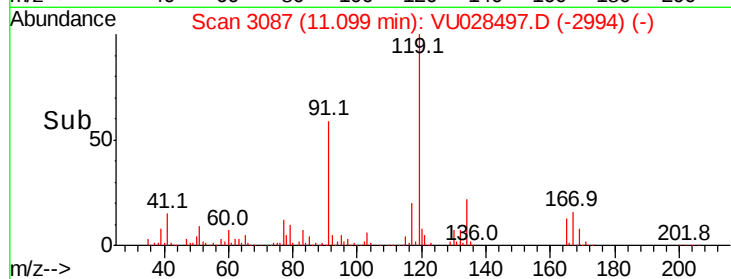
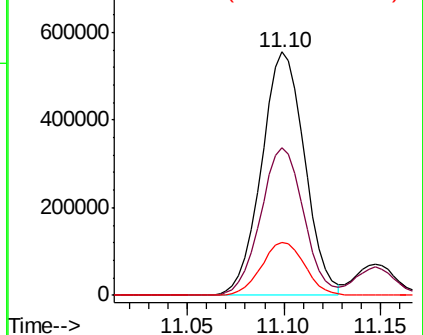
134 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 144.742 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028497.D

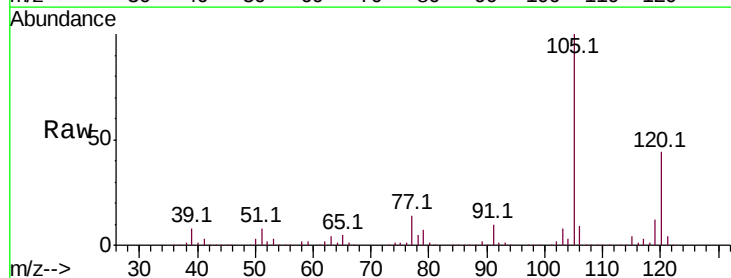
Acq: 06 Dec 2018 13:19

Tgt Ion:105 Resp: 918008

Ion Ratio Lower Upper

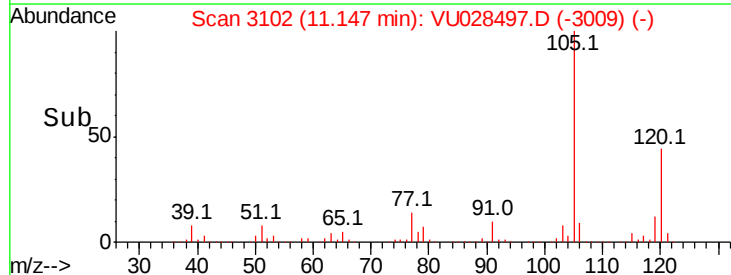
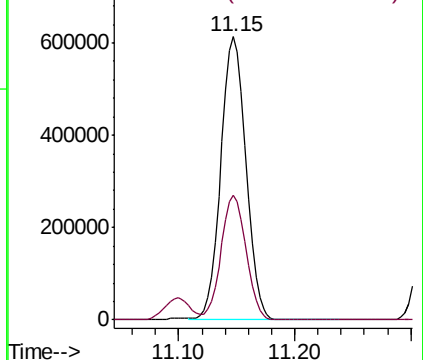
105 100

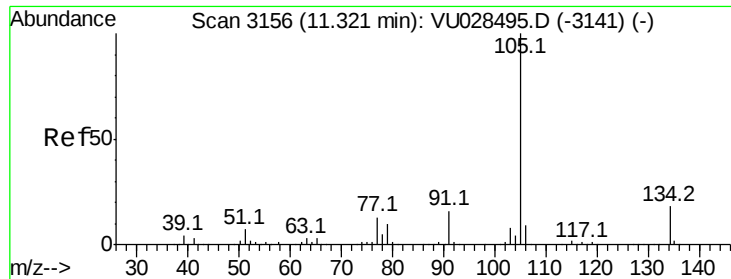
120 44.0 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

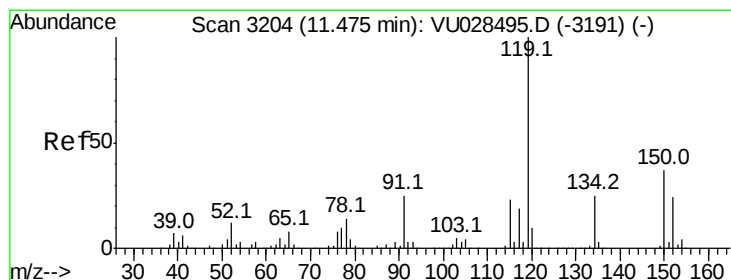
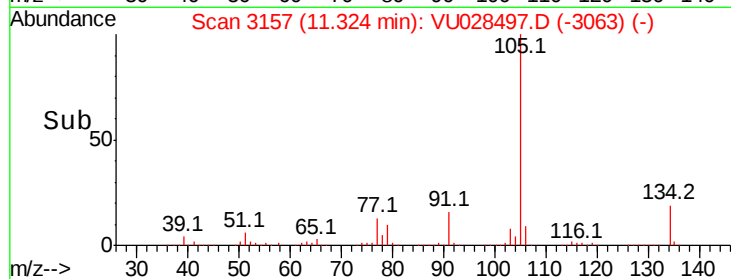
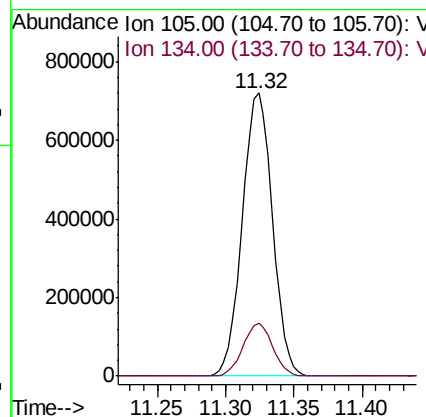
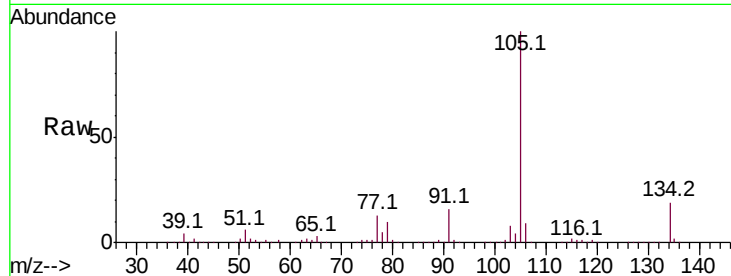




#85
 sec-Butylbenzene
 Concen: 144.882 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

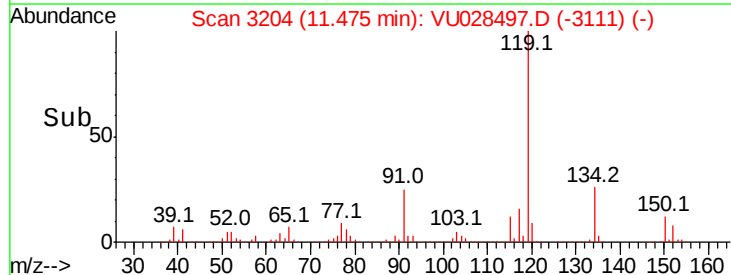
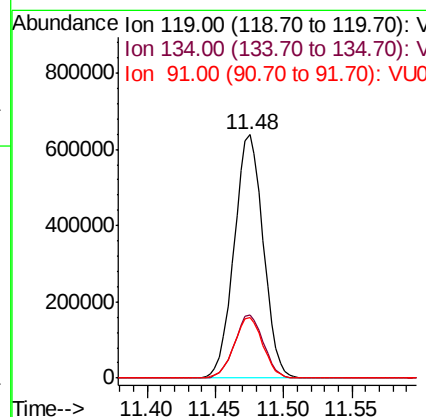
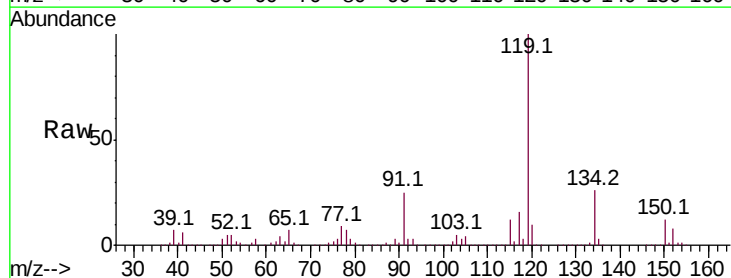
Instrument :
 MSVOA_U
 ClientSampleId :

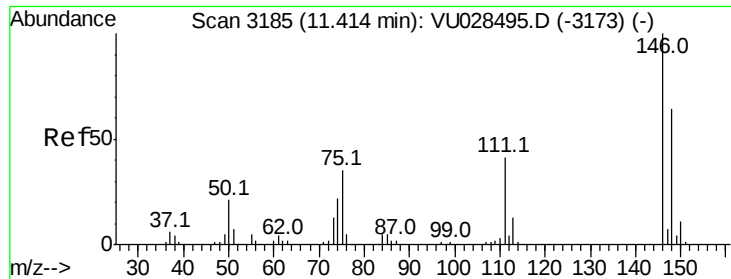
Tot Ion:105 Resp: 1104056
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 145.842 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion:119 Resp: 944074
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 24.8 12.6 37.6

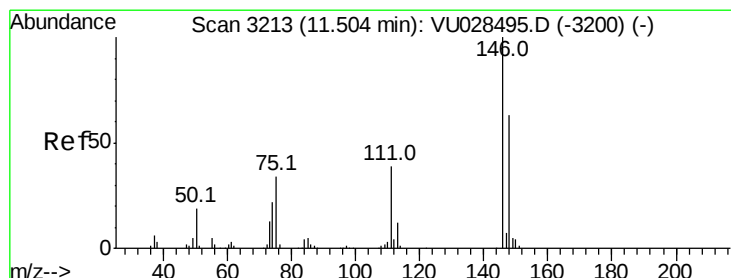
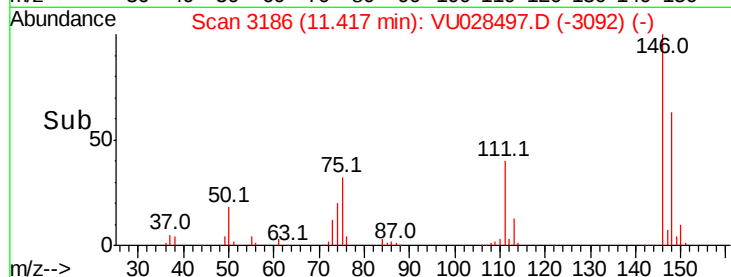
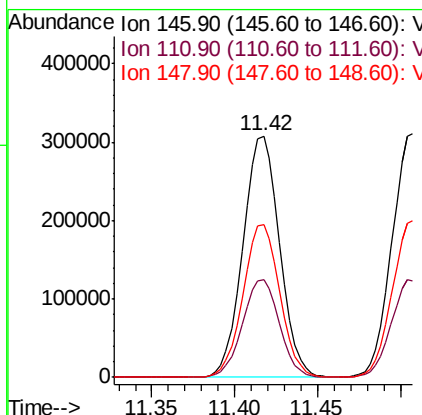
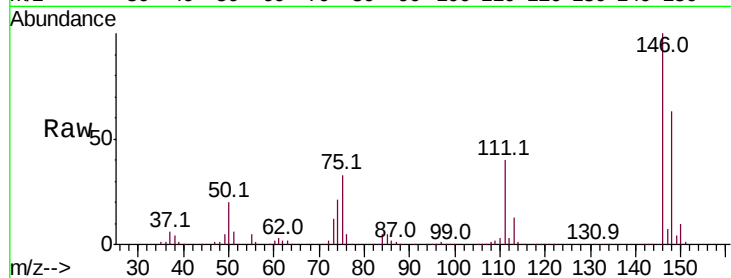




#87
 1,3-Dichlorobenzene
 Concen: 144.112 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

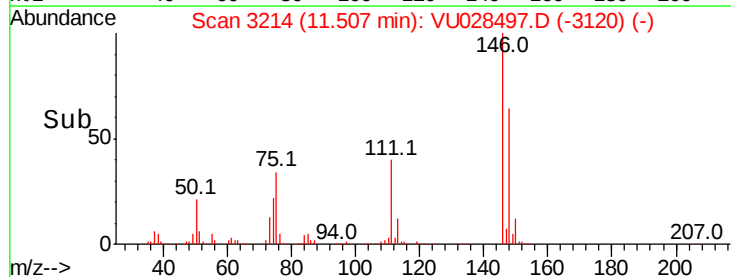
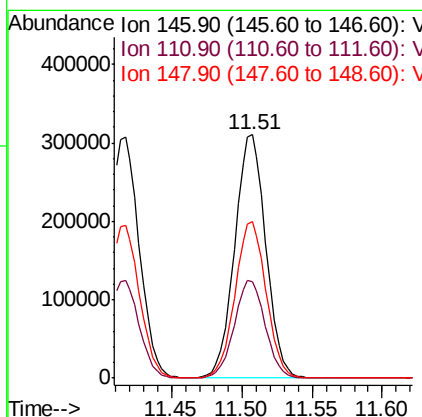
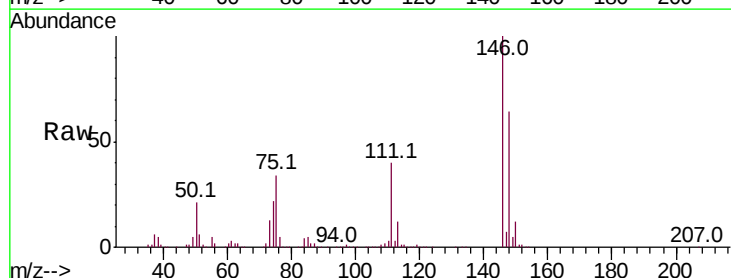
Instrument :
 MSVOA_U
 ClientSampleId :

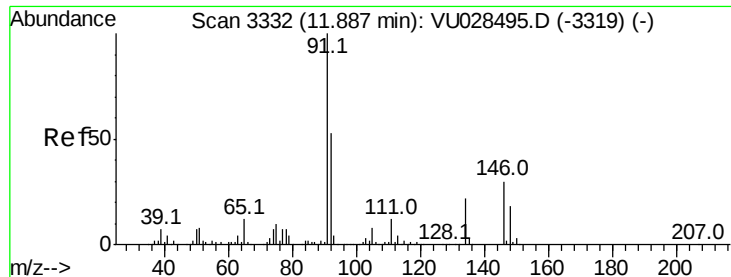
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 140.917 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	64.4	31.6	95.0

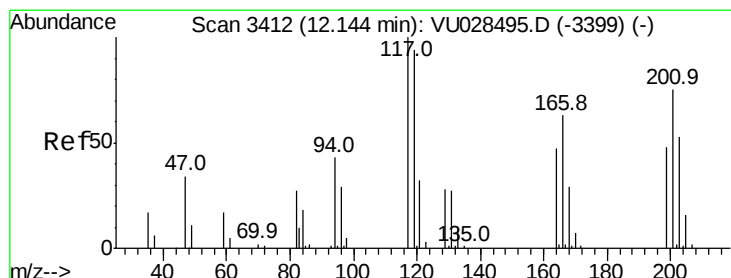
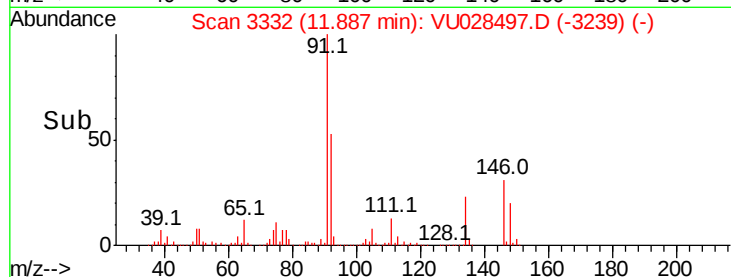
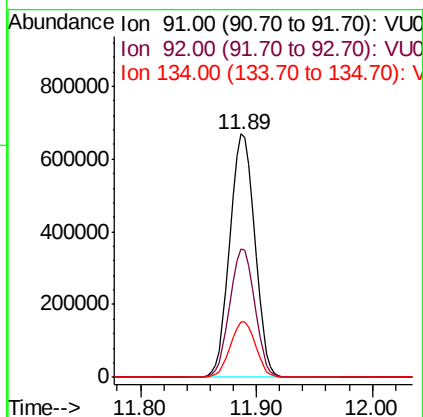
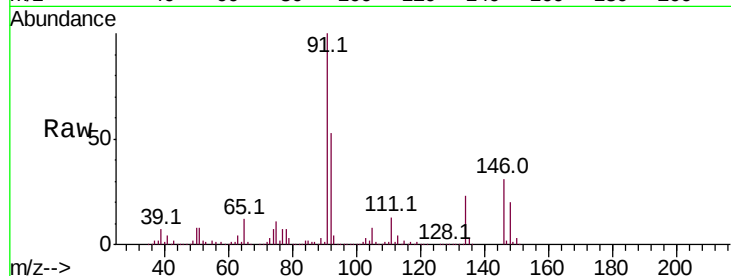




#89
n-Butylbenzene
Concen: 151.607 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

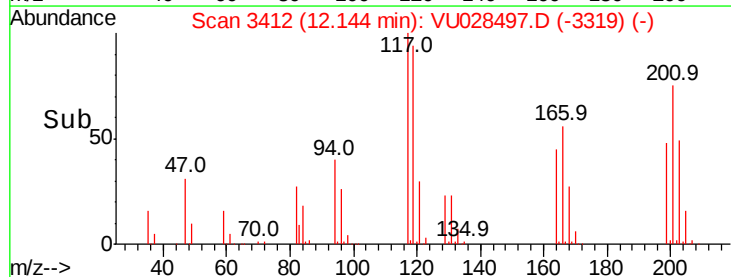
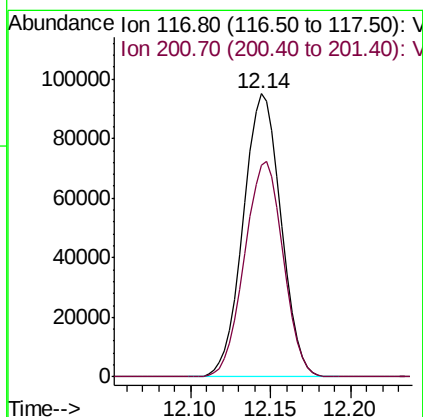
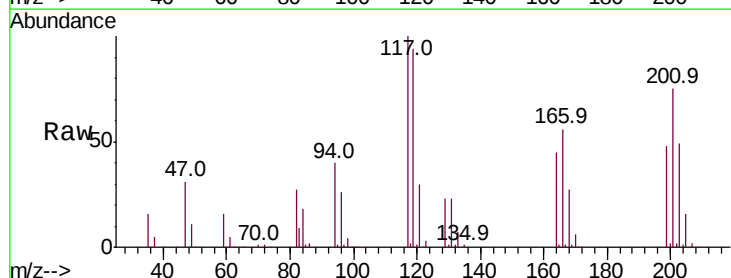
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 993212
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 23.0 11.3 33.8



#90
Hexachloroethane
Concen: 156.223 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028497.D
Acq: 06 Dec 2018 13:19

Tgt Ion: 117 Resp: 152851
Ion Ratio Lower Upper
117 100
201 77.9 38.1 114.5

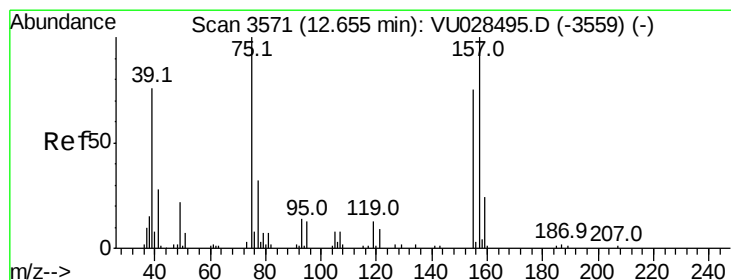
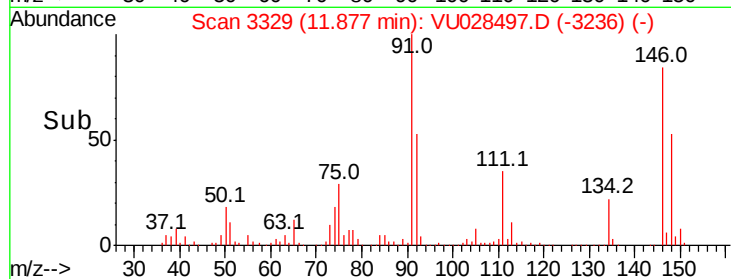
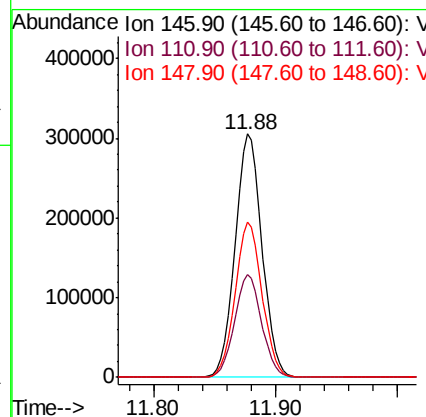
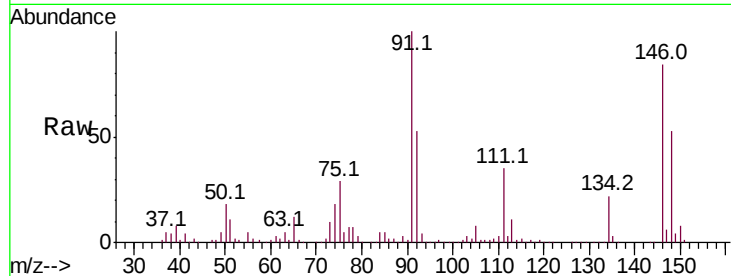




#91
 1,2-Dichlorobenzene
 Concen: 143.097 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

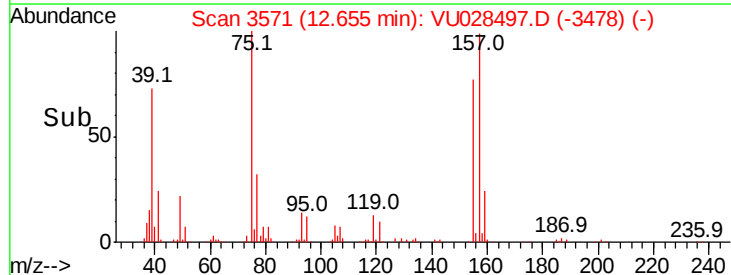
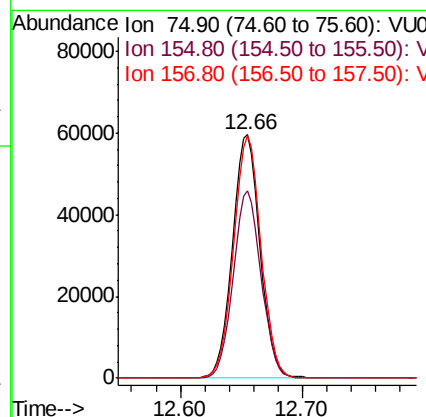
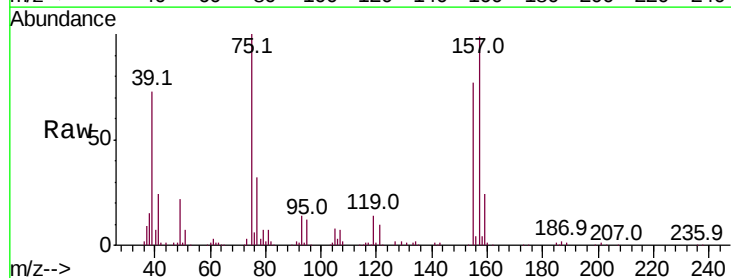
Instrument :
 MSVOA_U
 ClientSampleId :

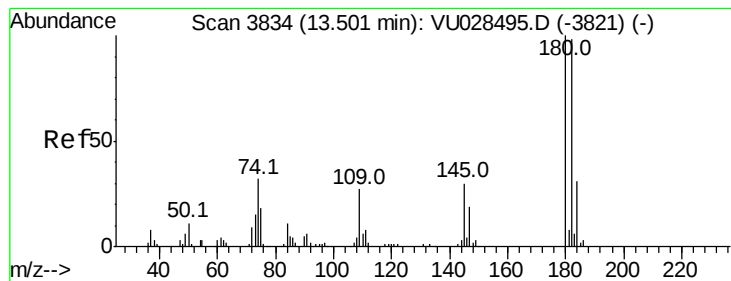
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.7	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 152.362 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028497.D
 Acq: 06 Dec 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.1	114.5
157	98.9	48.7	146.1





#93

1,2,4-Trichlorobenzene

Concen: 146.124 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampled :

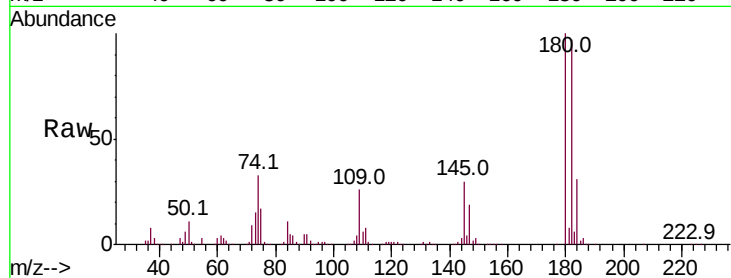
Tot Ion:180 Resp: 344058

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

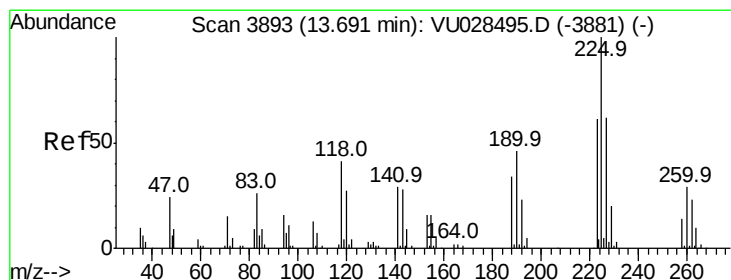
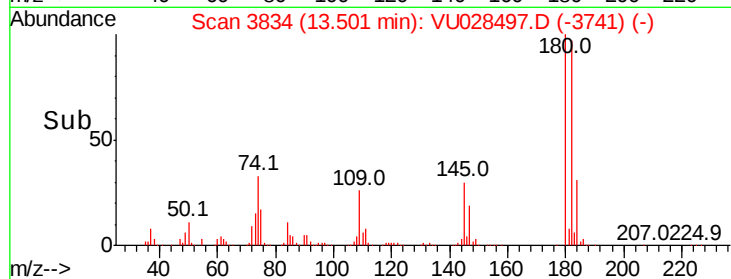
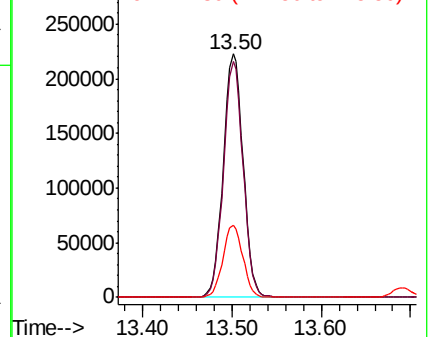
145 29.7 15.0 45.1



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: 140.924 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

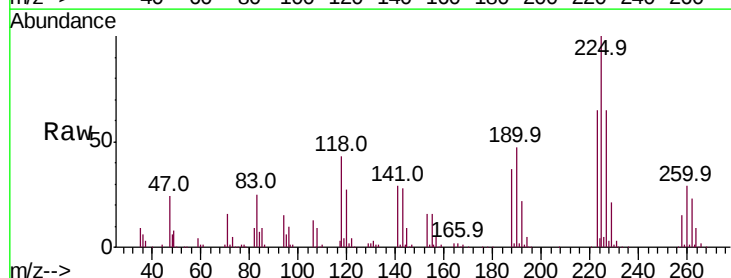
Tgt Ion:225 Resp: 151604

Ion Ratio Lower Upper

225 100

223 63.0 30.4 91.2

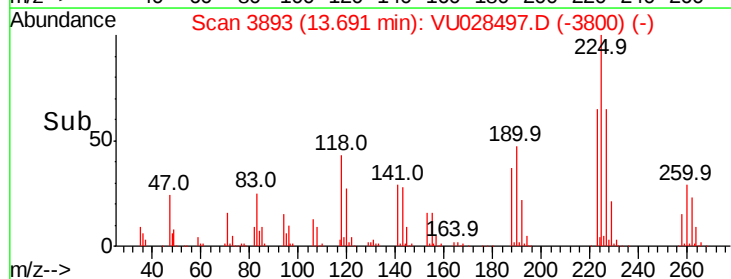
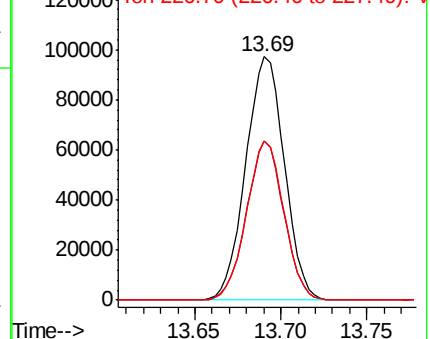
227 63.3 30.7 92.1

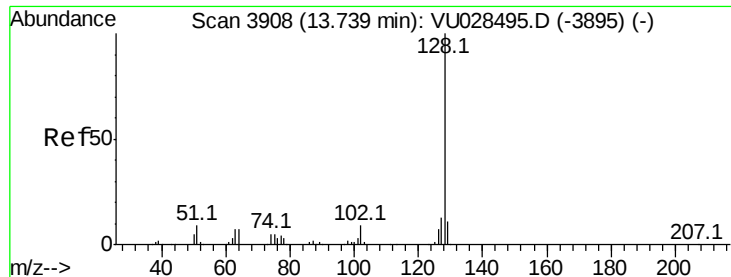


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 147.307 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

Instrument :

MSVOA_U

ClientSampleId :

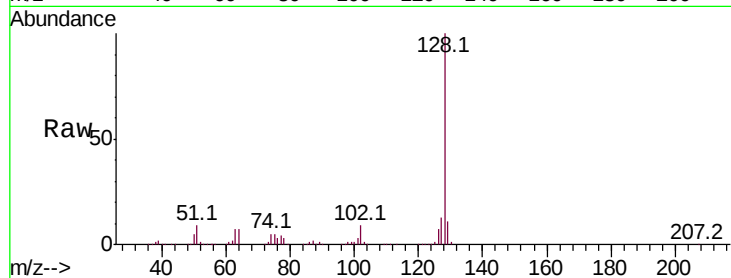
Tot Ion:128 Resp: 1160890

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

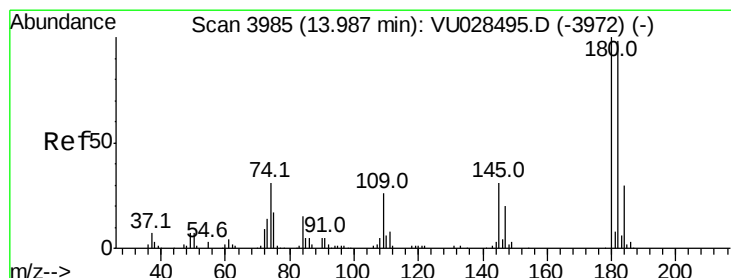
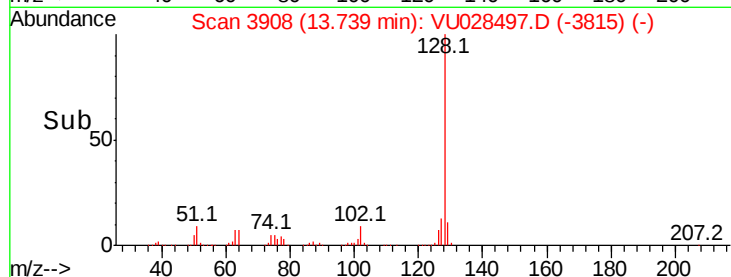
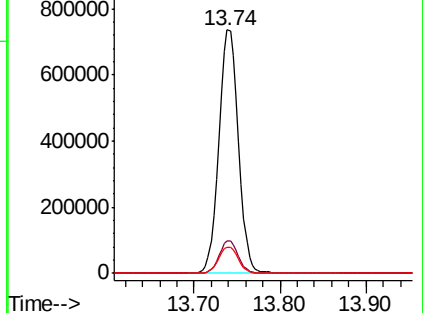
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 142.815 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028497.D

Acq: 06 Dec 2018 13:19

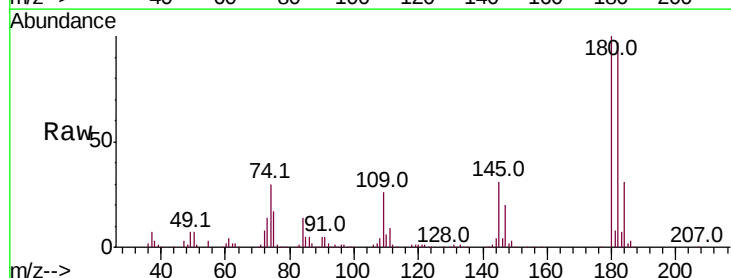
Tgt Ion:180 Resp: 338307

Ion Ratio Lower Upper

180 100

182 95.9 48.2 144.6

145 31.6 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

