

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028738.D
 Acq On : 17 Dec 2018 23:09
 Operator : MD/SY
 Sample : VU1217WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:12:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	74963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	130575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57062	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	64957	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	4.88	113	46680	56.81	ug/l	0.00
Spiked Amount			Recovery	=	113.62%	
50) Toluene-d8	7.56	98	180599	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
62) 4-Bromofluorobenzene	10.30	95	63629	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20673	20.575	ug/l	97
3) Chloromethane	1.33	50	35623	19.284	ug/l	96
4) Vinyl Chloride	1.40	62	27684	20.767	ug/l	99
5) Bromomethane	1.61	94	11418	21.262	ug/l	100
6) Chloroethane	1.69	64	16027	21.236	ug/l	98
7) Trichlorofluoromethane	1.88	101	28966	20.652	ug/l	92
8) Diethyl Ether	2.10	74	13263	20.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	17325	20.654	ug/l	99
10) Methyl Iodide	2.41	142	18587	28.239	ug/l	98
11) Tert butyl alcohol	2.83	59	28170	110.525	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17071	20.454	ug/l	96
13) Acrolein	2.19	56	20138	99.112	ug/l	97
14) Allyl chloride	2.59	41	45432	23.010	ug/l	91
15) Acrylonitrile	2.94	53	80019	113.083	ug/l	100
16) Acetone	2.32	43	65058	87.150	ug/l	100
17) Carbon Disulfide	2.48	76	59451	19.773	ug/l	100
18) Methyl Acetate	2.61	43	48576	25.102	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	67878	21.453	ug/l	96
20) Methylene Chloride	2.70	84	22597	20.534	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19230	20.464	ug/l	99
22) Diisopropyl ether	3.57	45	86731	22.588	ug/l	96
23) Vinyl Acetate	3.52	43	344348	108.727	ug/l	99
24) 1,1-Dichloroethane	3.44	63	43182	21.485	ug/l	99
25) 2-Butanone	4.26	43	108364	106.222	ug/l	99
26) 2,2-Dichloropropane	4.23	77	29694	18.646	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	22346	21.009	ug/l	99
28) Bromochloromethane	4.55	49	23175	25.364	ug/l	99
29) Tetrahydrofuran	4.64	42	76921	117.402	ug/l	96
30) Chloroform	4.67	83	38412	21.928	ug/l	96
31) Cyclohexane	4.99	56	42139	20.785	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	31716	21.800	ug/l	98
36) 1,1-Dichloropropene	5.13	75	29526	20.664	ug/l	99
37) Ethyl Acetate	4.38	43	40486	21.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	24815	21.547	ug/l	98

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Quant Time: Dec 18 03:12:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	34082	19.551	ug/l	99
40) Benzene	5.39	78	91080	21.643	ug/l	100
41) Methacrylonitrile	4.54	41	23384	23.117	ug/l	96
42) 1,2-Dichloroethane	5.40	62	32538	22.089	ug/l	99
43) Isopropyl Acetate	5.55	43	66154	22.643	ug/l	99
44) Trichloroethene	6.19	130	19722	21.077	ug/l	98
45) 1,2-Dichloropropane	6.43	63	27015	22.828	ug/l	100
46) Dibromomethane	6.56	93	15434	21.981	ug/l	99
47) Bromodichloromethane	6.76	83	30257	22.144	ug/l	97
48) Methyl methacrylate	6.62	41	33064	22.757	ug/l	97
49) 1,4-Dioxane	6.61	88	10257	447.108	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	210631	114.308	ug/l	99
52) Toluene	7.64	92	51663	20.860	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	34592	21.257	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	37551	21.269	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	21784	22.251	ug/l	93
56) Ethyl methacrylate	8.02	69	35383	21.105	ug/l	95
57) 1,3-Dichloropropane	8.24	76	39766	21.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	89759	104.527	ug/l	99
59) 2-Hexanone	8.36	43	157994	108.178	ug/l	99
60) Dibromochloromethane	8.48	129	20642	21.535	ug/l	99
61) 1,2-Dibromoethane	8.58	107	22286	21.707	ug/l	98
64) Tetrachloroethene	8.22	164	17245	21.704	ug/l	98
65) Chlorobenzene	9.12	112	54763	21.575	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	18457	22.771	ug/l	99
67) Ethyl Benzene	9.25	91	98544	21.119	ug/l	99
68) m/p-Xylenes	9.37	106	72733	42.837	ug/l	98
69) o-Xylene	9.78	106	35290	21.387	ug/l	99
70) Styrene	9.79	104	58688	21.492	ug/l	99
71) Bromoform	9.95	173	15829	22.956	ug/l #	99
73) Isopropylbenzene	10.17	105	93190	21.283	ug/l	100
74) N-amyl acetate	10.01	43	56137	22.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	39342	23.390	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45469	31.205	ug/l	84
77) Bromobenzene	10.45	156	22338	21.814	ug/l	99
78) n-propylbenzene	10.58	91	114235	20.996	ug/l	99
79) 2-Chlorotoluene	10.66	91	68445	21.839	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	77286	21.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	45469	76.444	ug/l #	100
82) 4-Chlorotoluene	10.77	91	76116	20.495	ug/l	99
83) tert-Butylbenzene	11.10	119	75316	21.559	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	80106	21.446	ug/l	98
85) sec-Butylbenzene	11.32	105	94227	20.995	ug/l	99
86) p-Isopropyltoluene	11.48	119	76853	20.159	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	39371	20.361	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	40193	20.091	ug/l	99
89) n-Butylbenzene	11.89	91	72667	18.834	ug/l	100
90) Hexachloroethane	12.14	117	13278	23.043	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	40737	21.062	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8163	22.417	ug/l	98

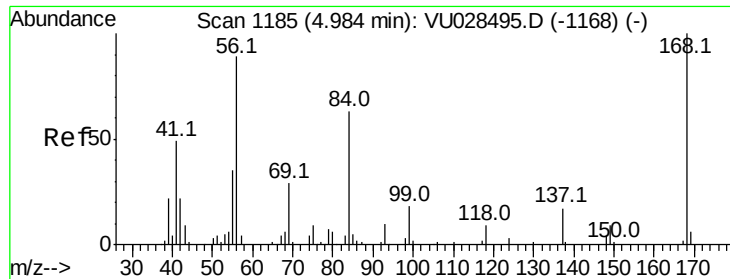
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24654	19.080	ug/l	99
94) Hexachlorobutadiene	13.69	225	12391	19.557	ug/l	98
95) Naphthalene	13.74	128	86040	18.538	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26517	20.134	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

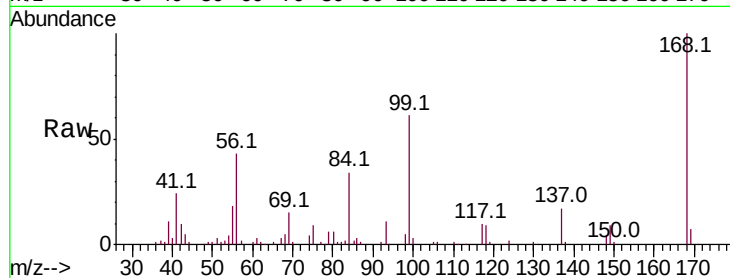
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 74963

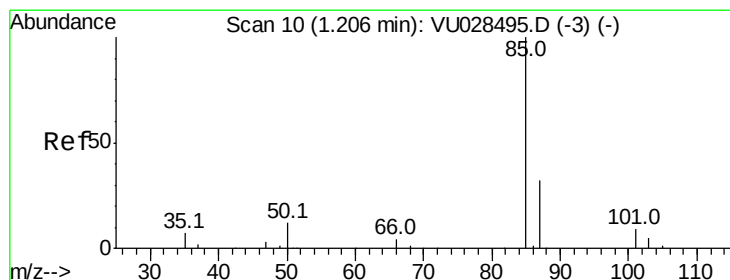
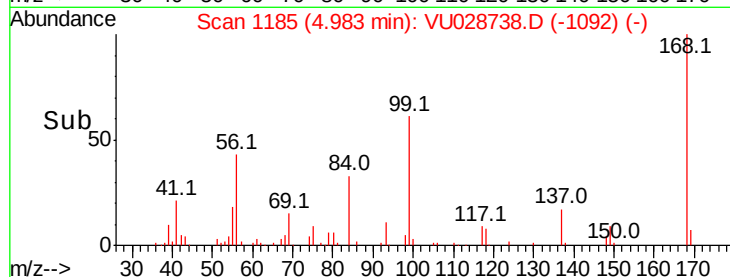
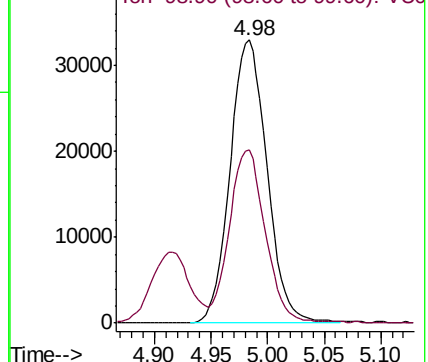
Ion Ratio Lower Upper

168 100

99 60.6 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 20.575 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028738.D

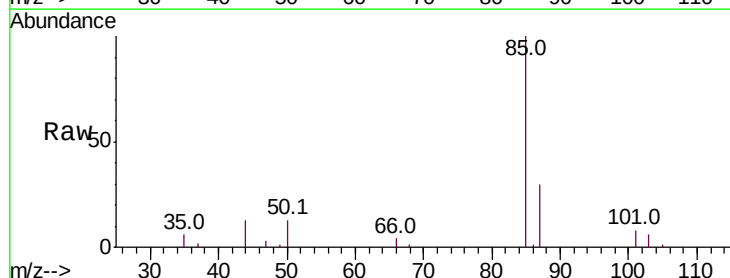
Acq: 17 Dec 2018 23:09

Tgt Ion: 85 Resp: 20673

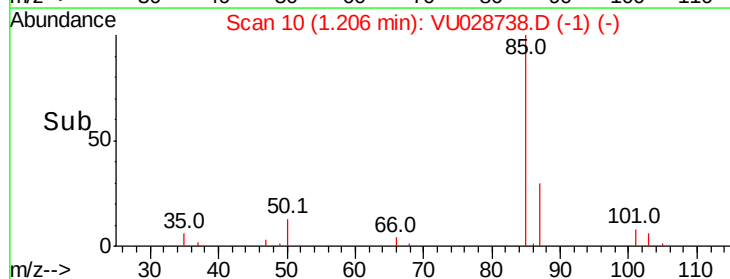
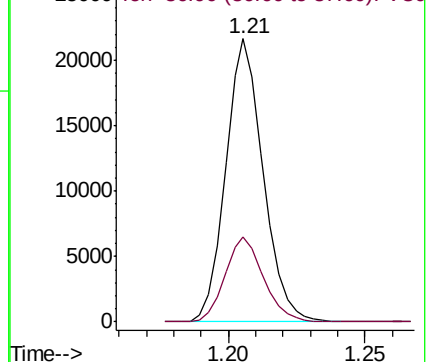
Ion Ratio Lower Upper

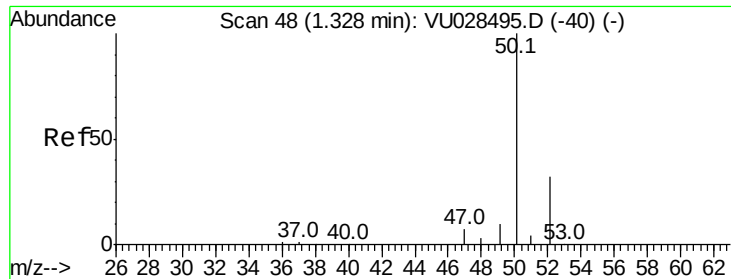
85 100

87 30.1 15.9 47.6



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

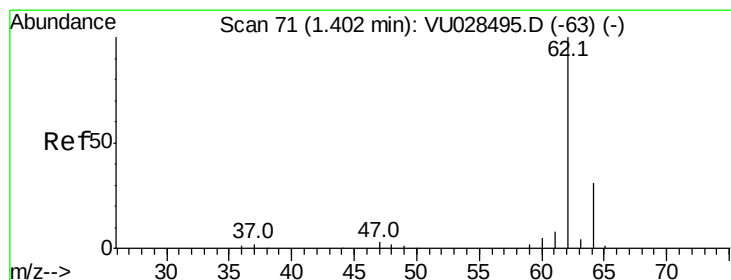
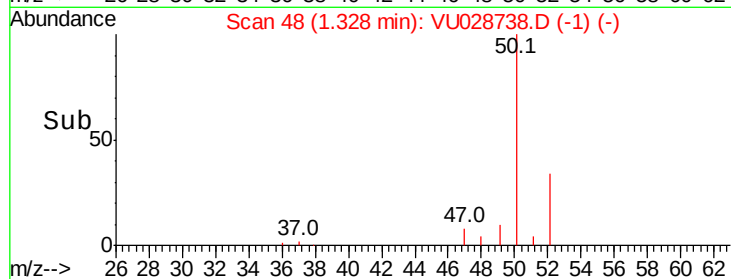
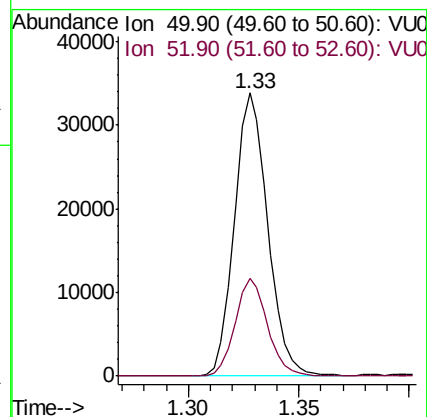
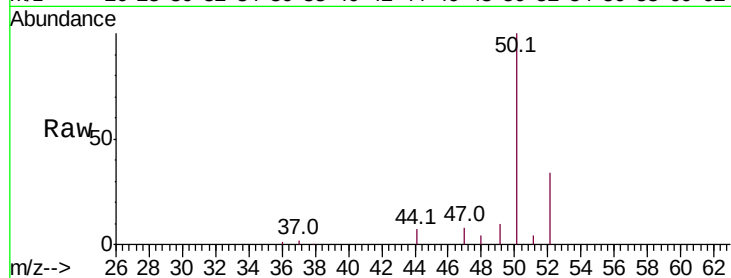




#3
Chloromethane
Concen: 19.284 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

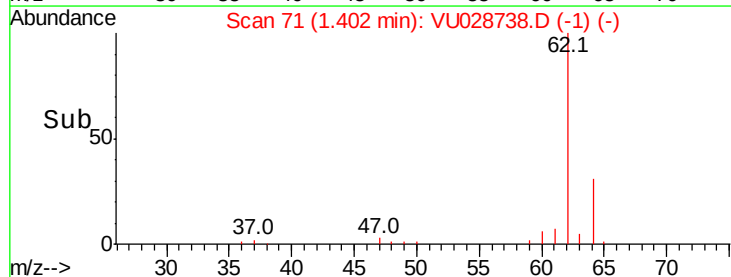
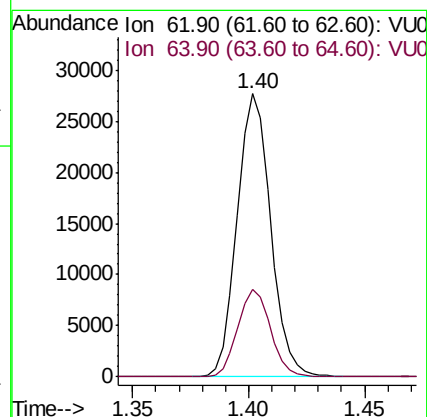
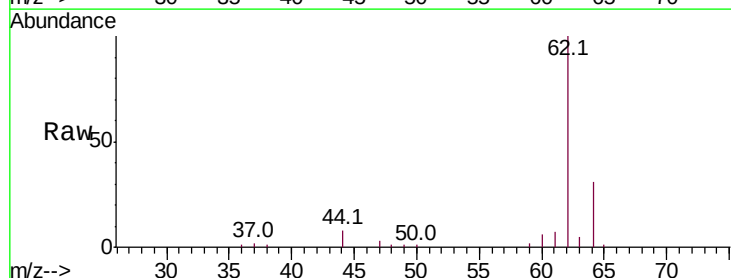
Instrument :
MSVOA_U
ClientSampleId :

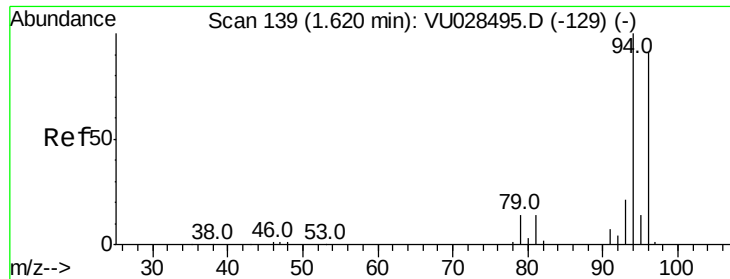
Tot Ion: 50 Resp: 35623
Ion Ratio Lower Upper
50 100
52 34.4 25.5 38.3



#4
Vinyl Chloride
Concen: 20.767 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 62 Resp: 27684
Ion Ratio Lower Upper
62 100
64 30.7 25.1 37.7

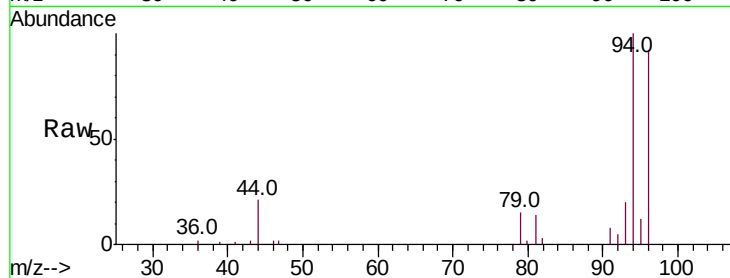




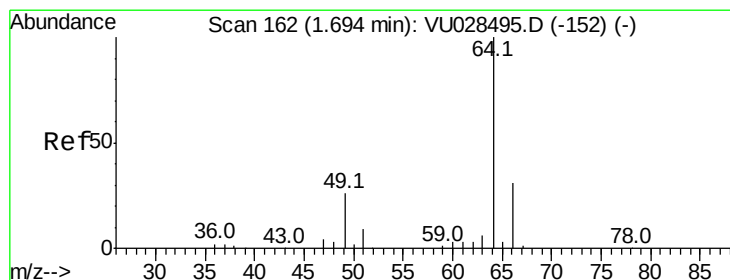
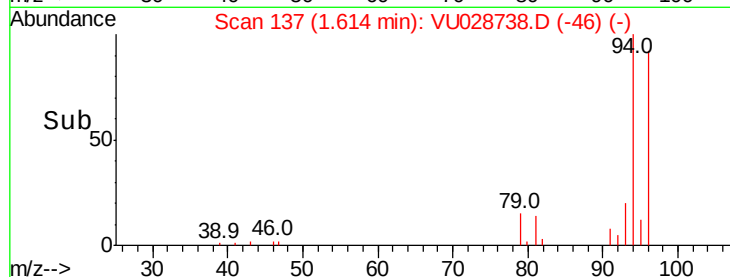
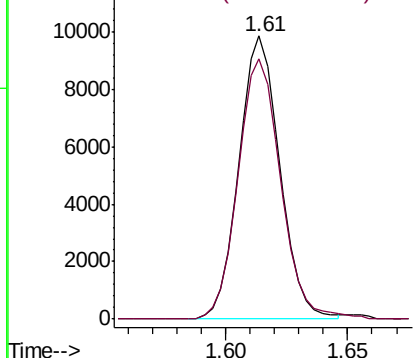
#5
Bromomethane
Concen: 21.262 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.01 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 11418
Ion Ratio Lower Upper
94 100
96 91.8 73.2 109.8

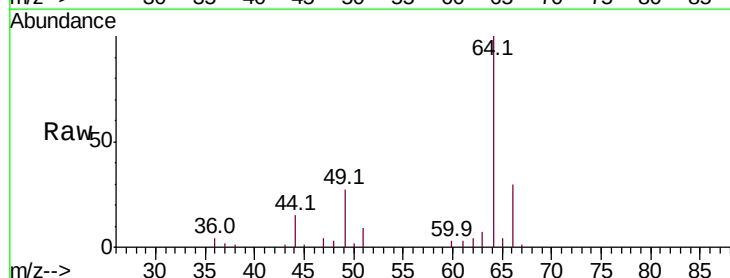


Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0

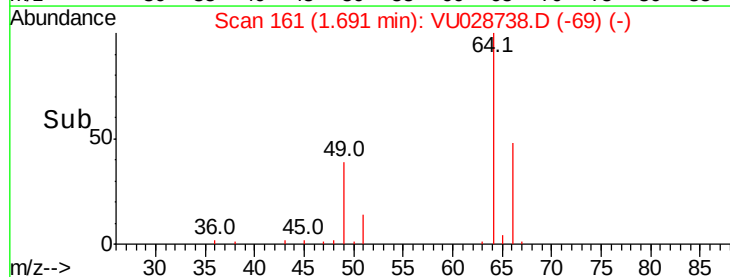
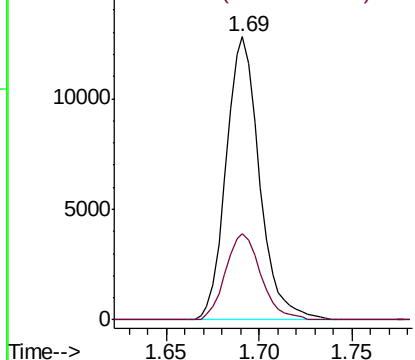


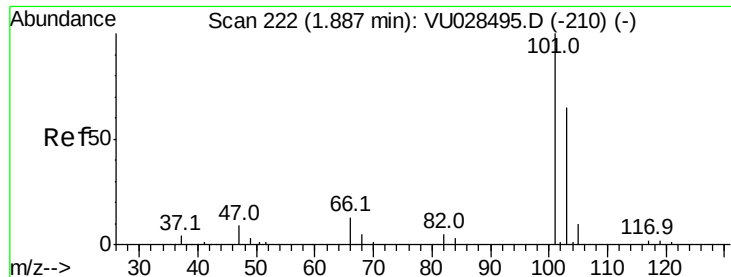
#6
Chloroethane
Concen: 21.236 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 64 Resp: 16027
Ion Ratio Lower Upper
64 100
66 30.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



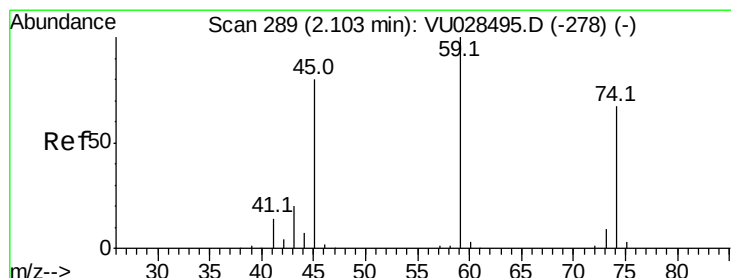
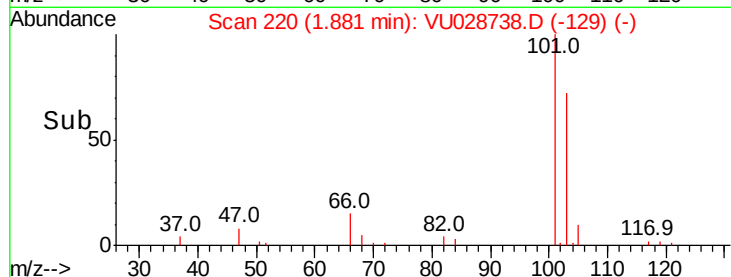
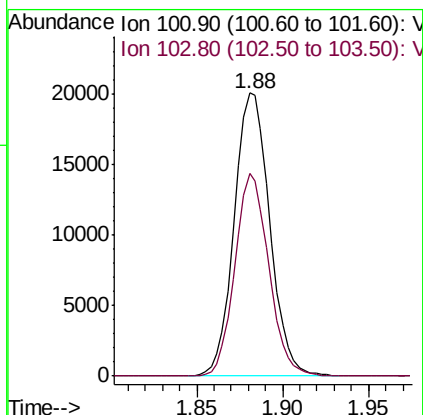
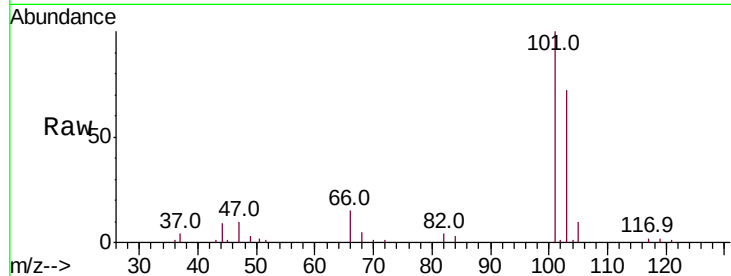


#7

Trichlorofluoromethane
 Concen: 20.652 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampled :

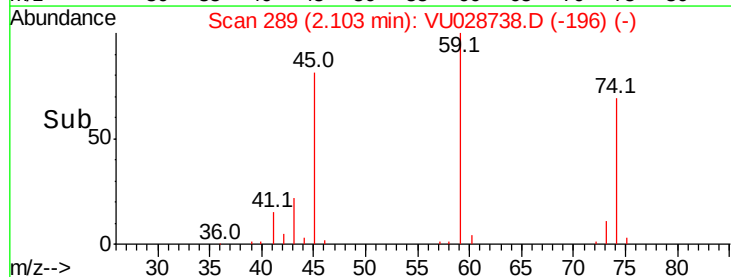
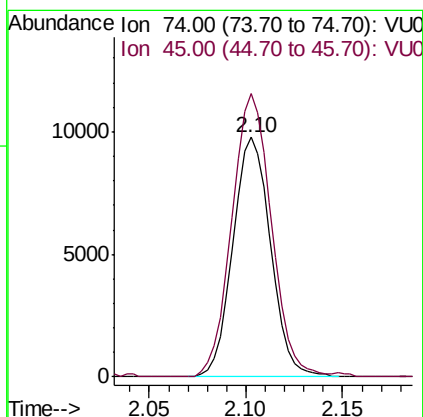
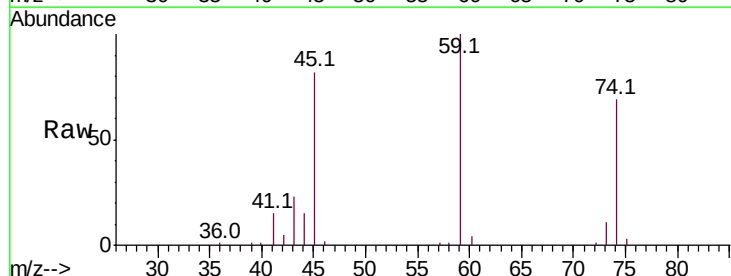
Tot Ion:101 Resp: 28966
 Ion Ratio Lower Upper
 101 100
 103 71.5 52.3 78.5

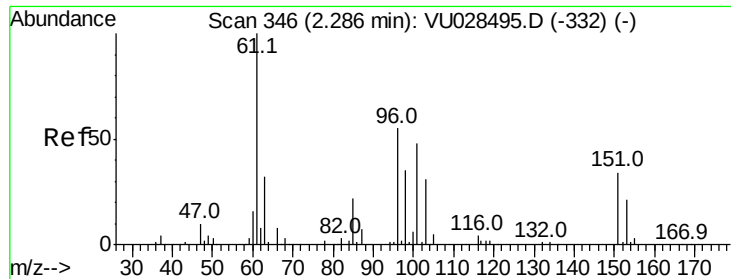


#8

Diethyl Ether
 Concen: 20.212 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 74 Resp: 13263
 Ion Ratio Lower Upper
 74 100
 45 124.2 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.654 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

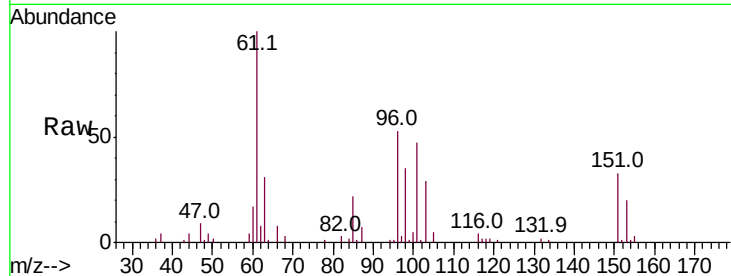
Tot Ion:101 Resp: 17325

Ion Ratio Lower Upper

101 100

85 45.7 36.4 54.6

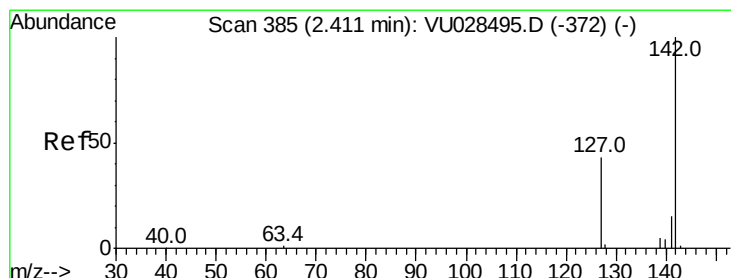
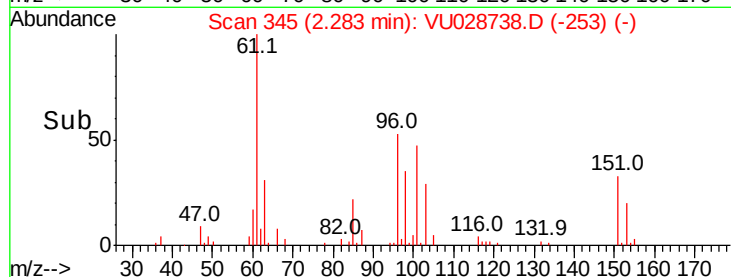
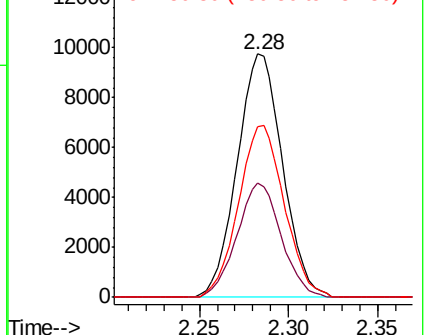
151 71.2 58.2 87.2



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: 28.239 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

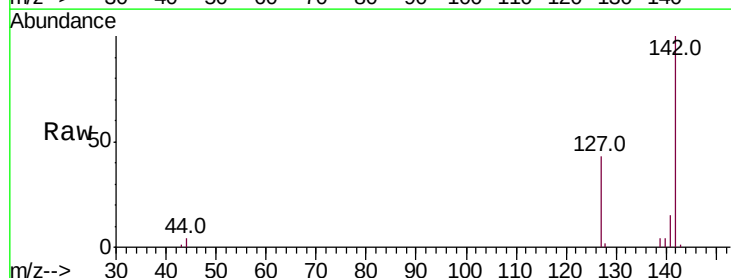
Tgt Ion:142 Resp: 18587

Ion Ratio Lower Upper

142 100

127 43.1 33.5 50.3

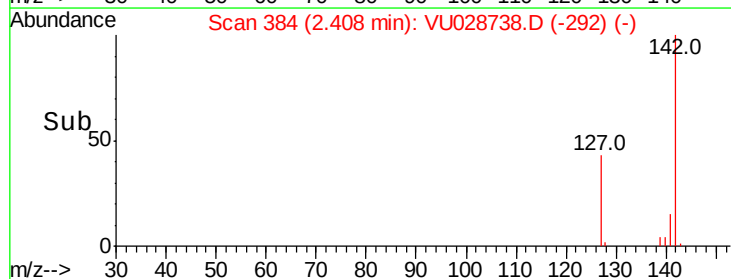
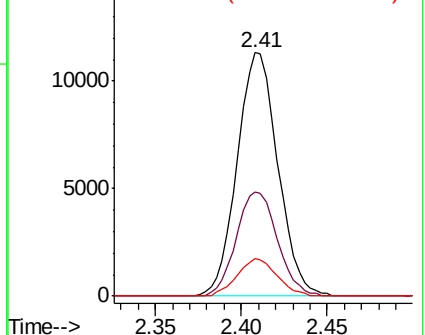
141 15.0 11.2 16.8

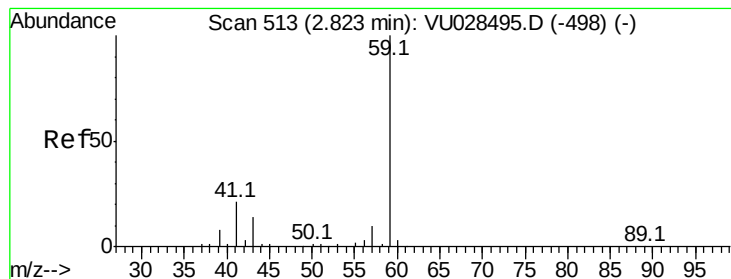


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



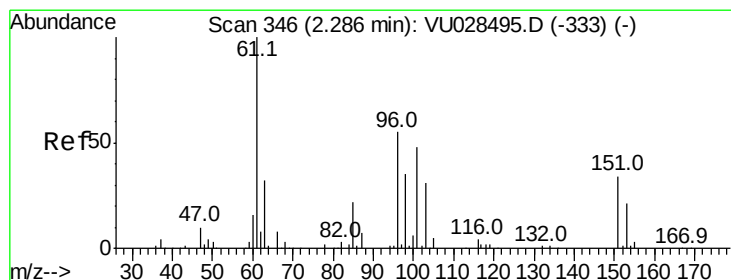
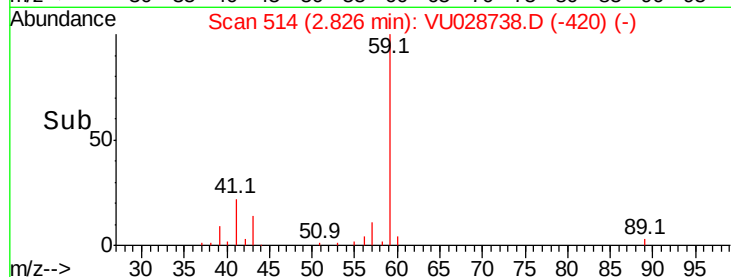
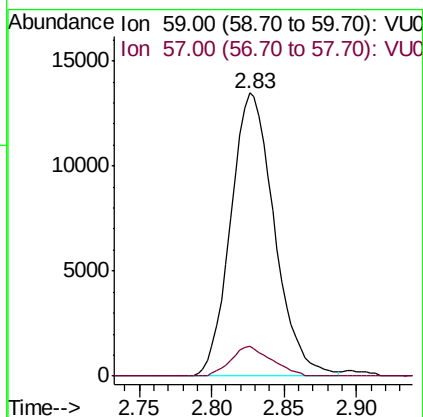
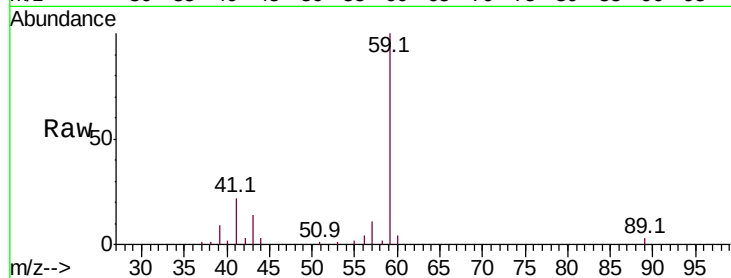


#11

Tert butyl alcohol
 Concen: 110.525 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampled :

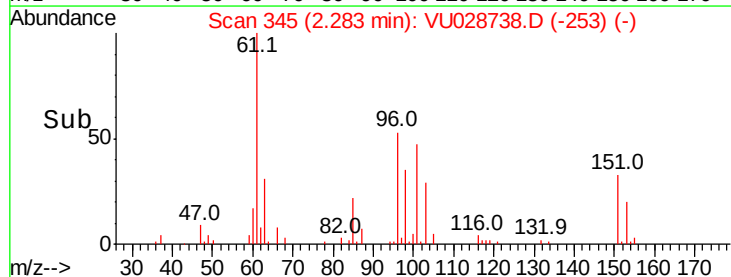
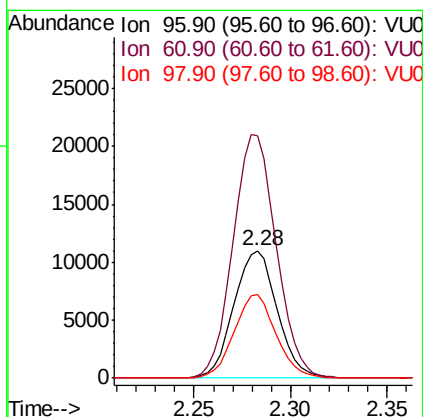
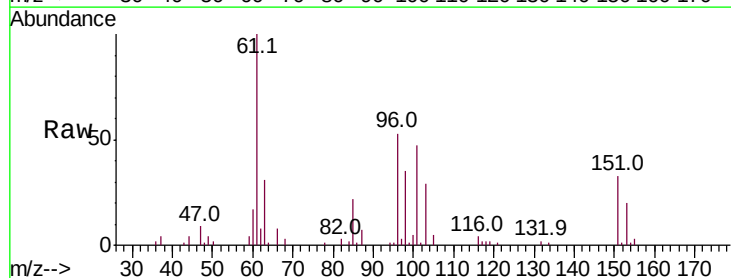
Tot Ion: 59 Resp: 28170
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

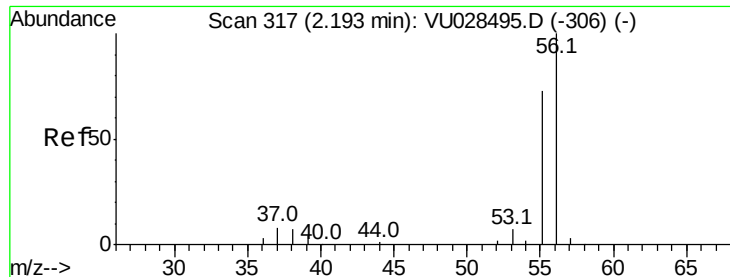


#12

1,1-Dichloroethene
 Concen: 20.454 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 96 Resp: 17071
 Ion Ratio Lower Upper
 96 100
 61 190.1 146.4 219.6
 98 66.0 51.8 77.8





#13

Acrolein

Concen: 99.112 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

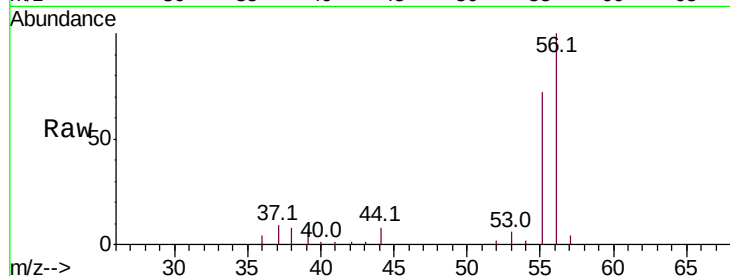
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 20138

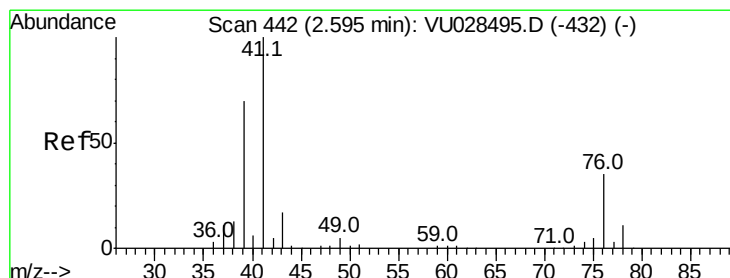
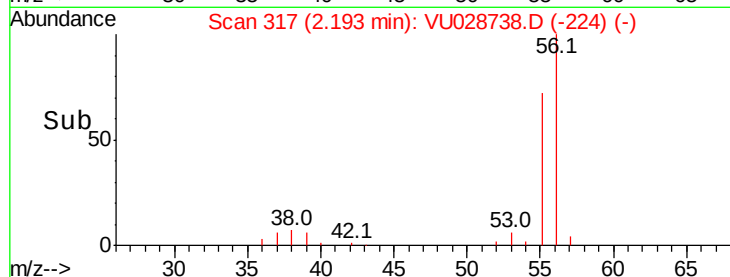
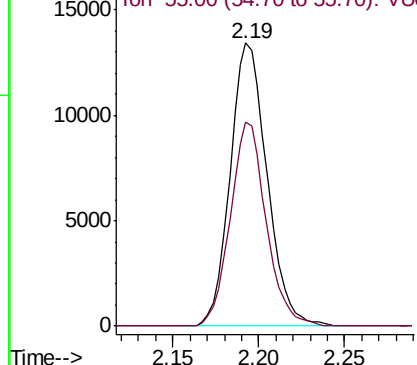
Ion Ratio Lower Upper

56 100

55 69.7 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: 23.010 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

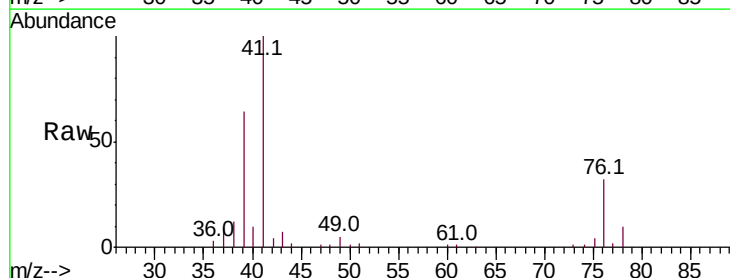
Tgt Ion: 41 Resp: 45432

Ion Ratio Lower Upper

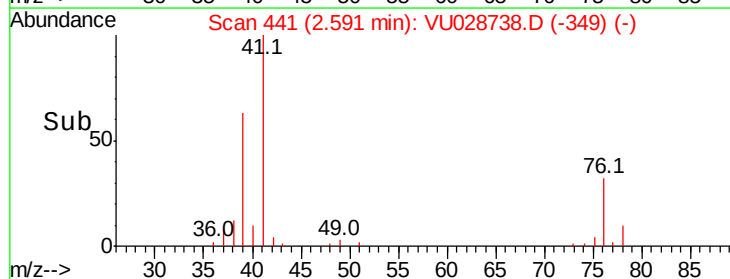
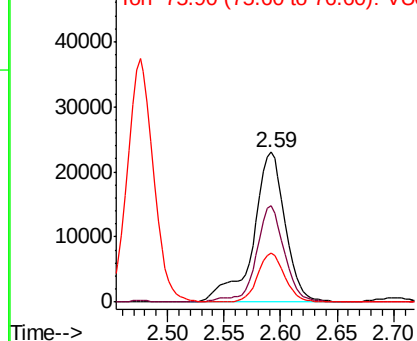
41 100

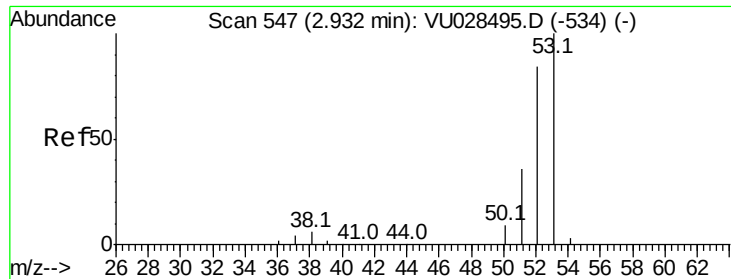
39 55.9 50.8 76.2

76 27.2 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: 113.083 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampled :

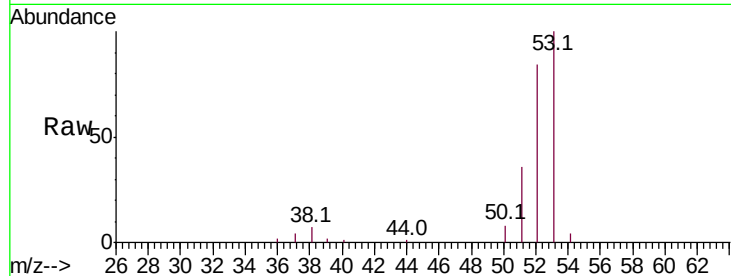
Tot Ion: 53 Resp: 80019

Ion Ratio Lower Upper

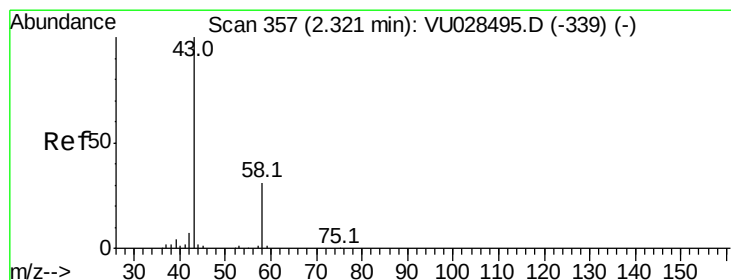
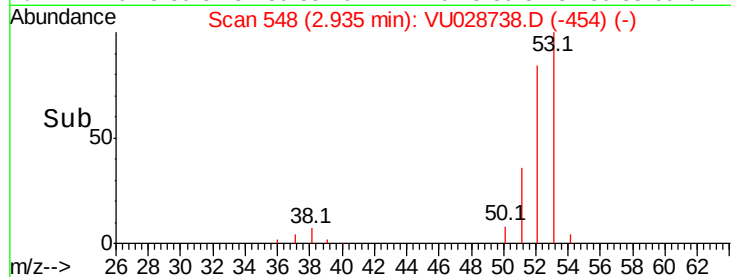
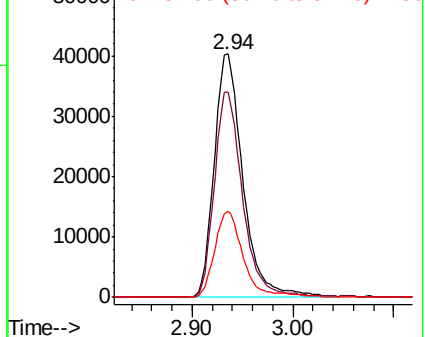
53 100

52 83.0 66.1 99.1

51 35.4 28.1 42.1



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



#16

Acetone

Concen: 87.150 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028738.D

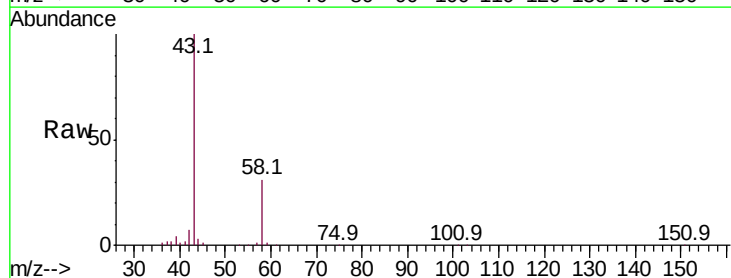
Acq: 17 Dec 2018 23:09

Tgt Ion: 43 Resp: 65058

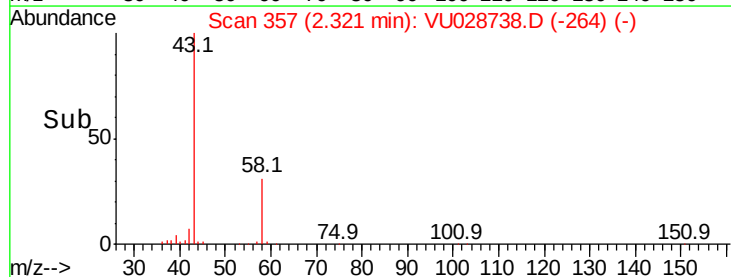
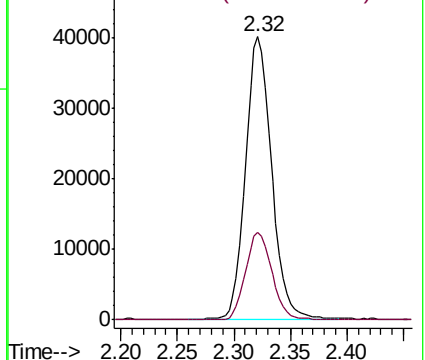
Ion Ratio Lower Upper

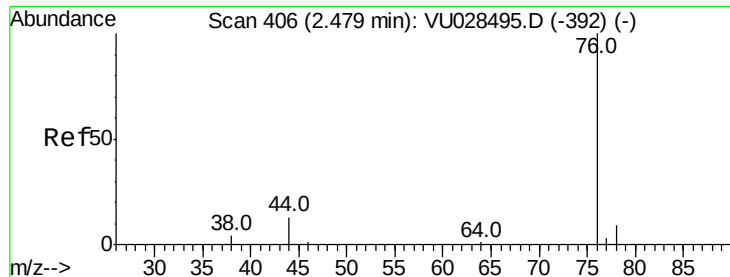
43 100

58 31.1 24.6 37.0



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





#17

Carbon Disulfide

Concen: 19.773 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

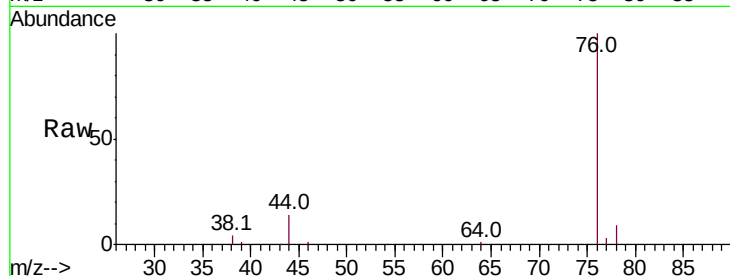
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 59451

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.48

40000

30000

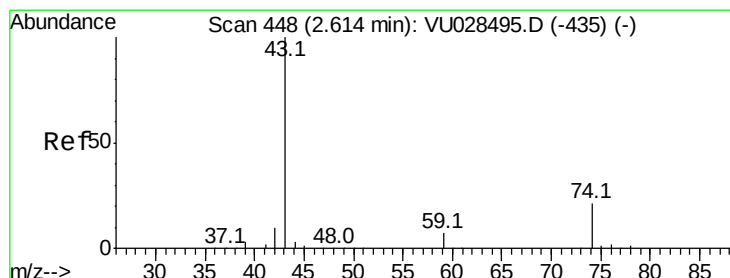
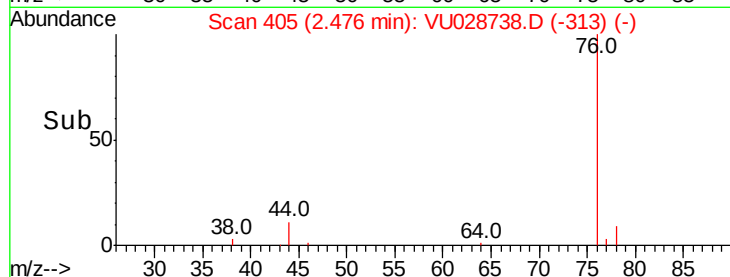
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 25.102 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028738.D

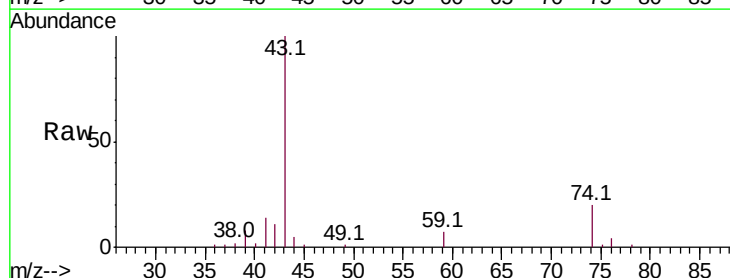
Acq: 17 Dec 2018 23:09

Tgt Ion: 43 Resp: 48576

Ion Ratio Lower Upper

43 100

74 19.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

2.61

30000

25000

20000

15000

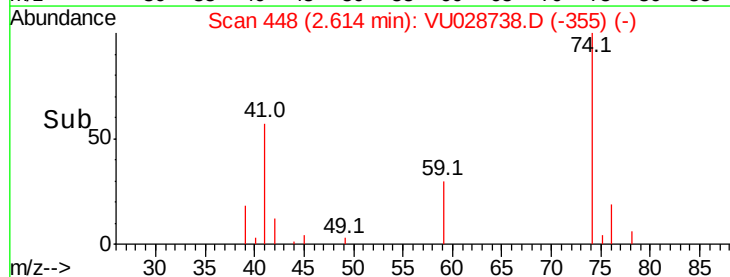
10000

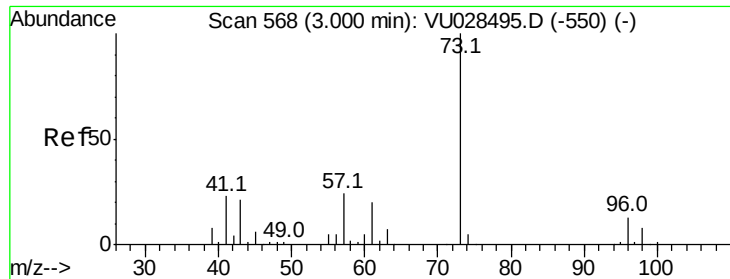
5000

0

Time-->

2.55 2.60 2.65 2.70

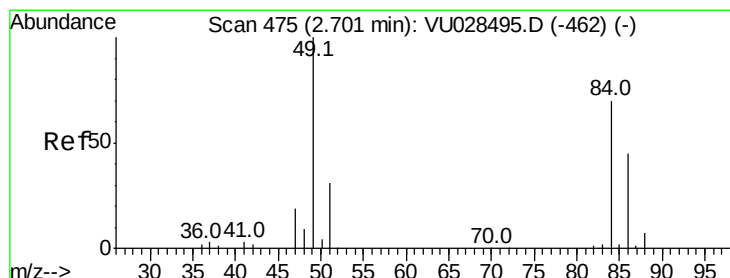
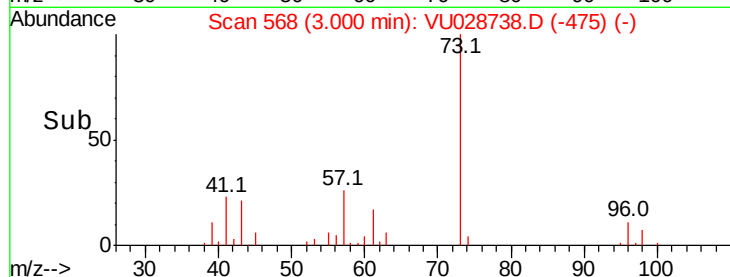
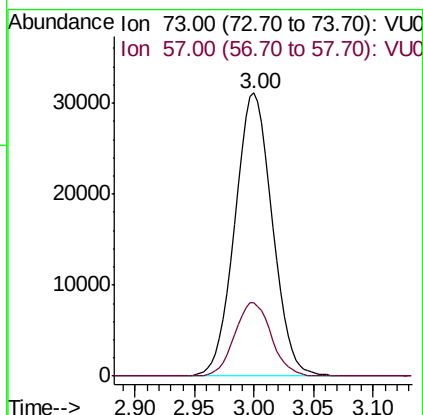
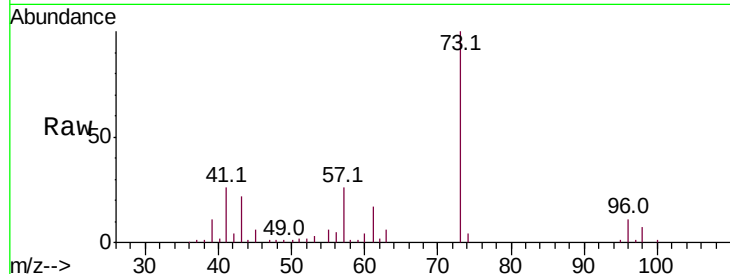




#19
Methyl tert-butyl Ether
Concen: 21.453 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

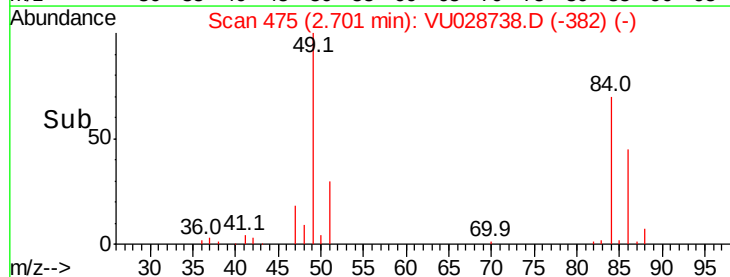
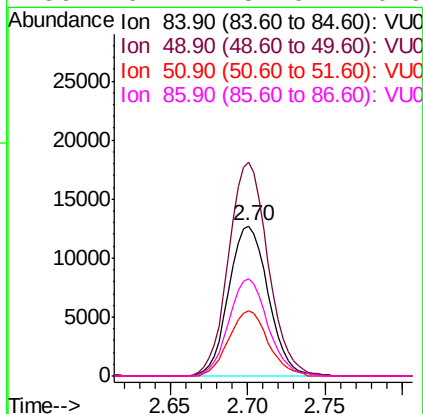
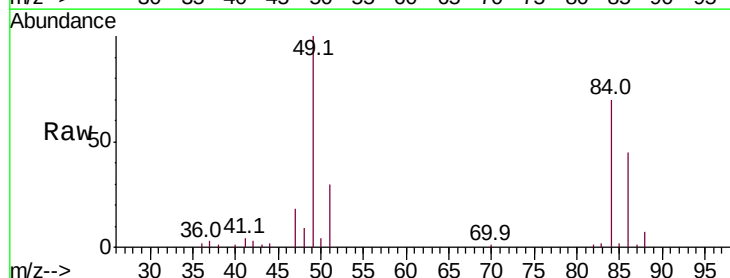
Instrument :
MSVOA_U
ClientSampleId :

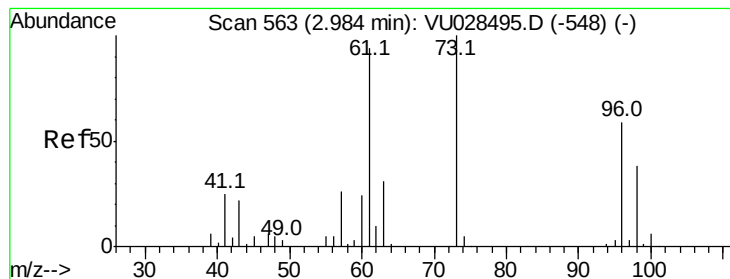
Tot Ion: 73 Resp: 67878
Ion Ratio Lower Upper
73 100
57 26.1 19.4 29.2



#20
Methylene Chloride
Concen: 20.534 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 84 Resp: 22597
Ion Ratio Lower Upper
84 100
49 142.6 114.0 171.0
51 43.4 35.1 52.7
86 64.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.464 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

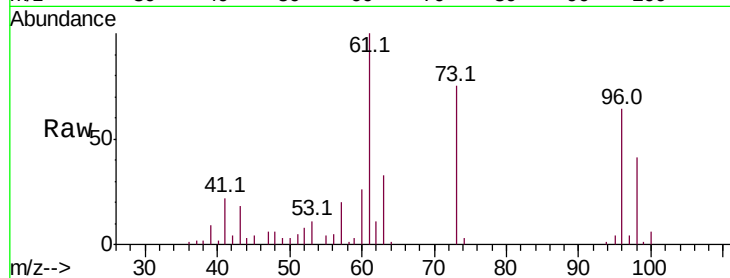
Tot Ion: 96 Resp: 19230

Ion Ratio Lower Upper

96 100

61 157.2 127.0 190.4

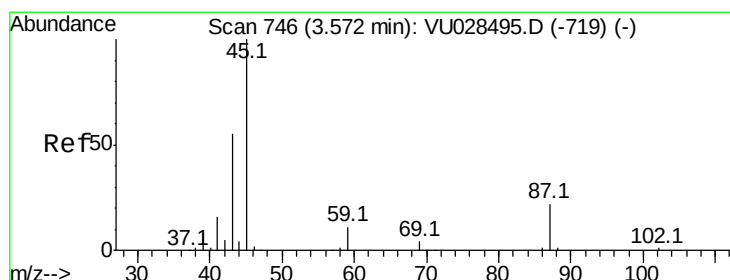
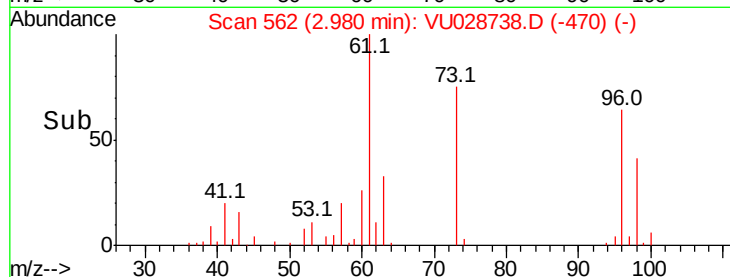
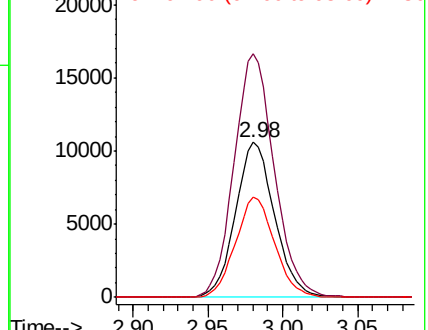
98 64.5 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 22.588 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion: 45 Resp: 86731

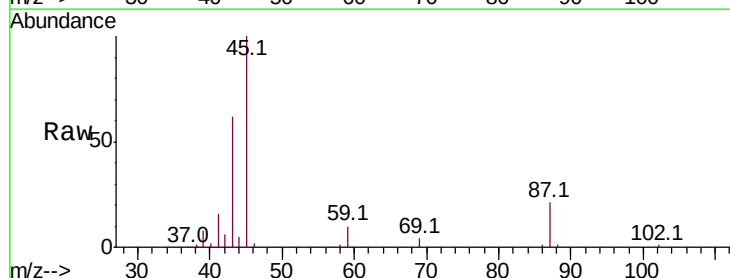
Ion Ratio Lower Upper

45 100

43 60.3 45.3 67.9

87 21.0 17.6 26.4

59 10.5 8.8 13.2

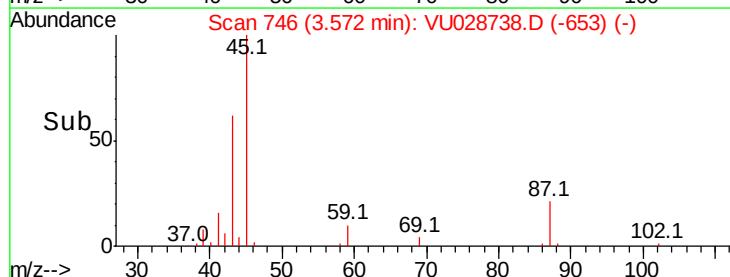
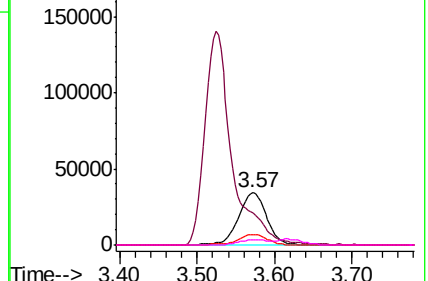


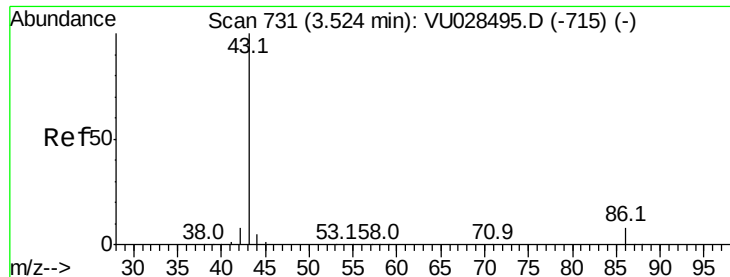
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 108.727 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

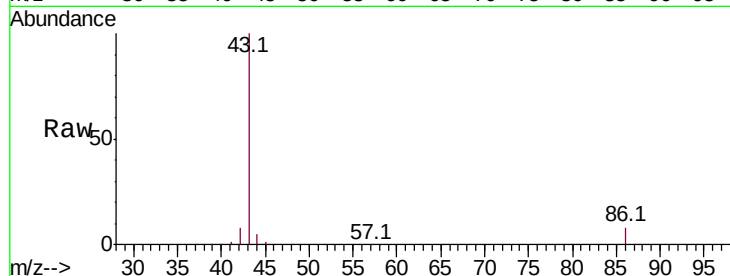
ClientSampleId :

Tot Ion: 43 Resp: 344348

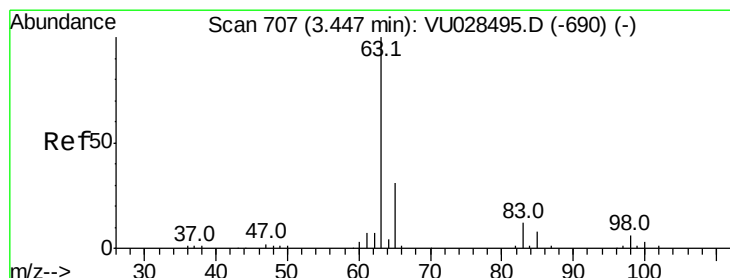
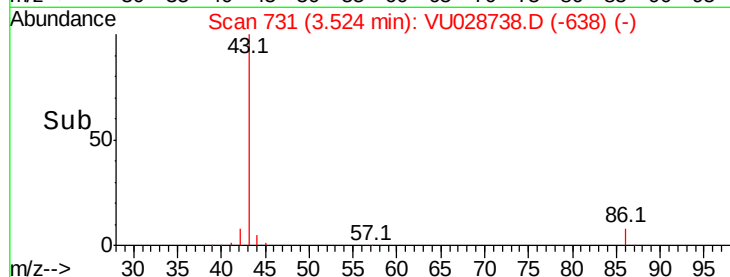
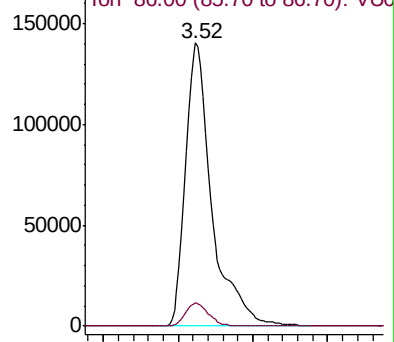
Ion Ratio Lower Upper

43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028738.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 21.485 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

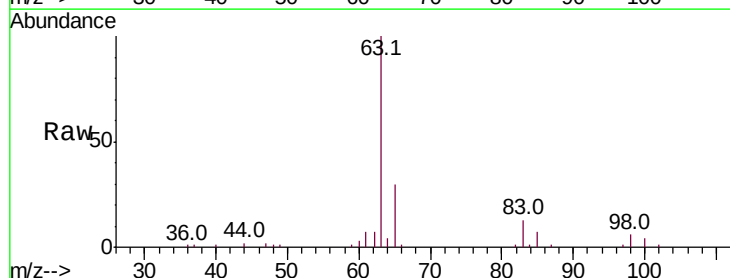
Tgt Ion: 63 Resp: 43182

Ion Ratio Lower Upper

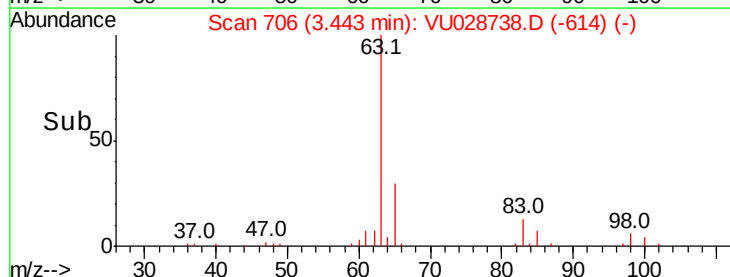
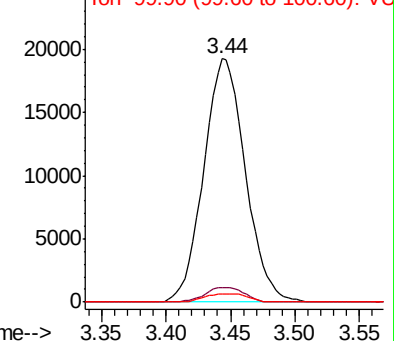
63 100

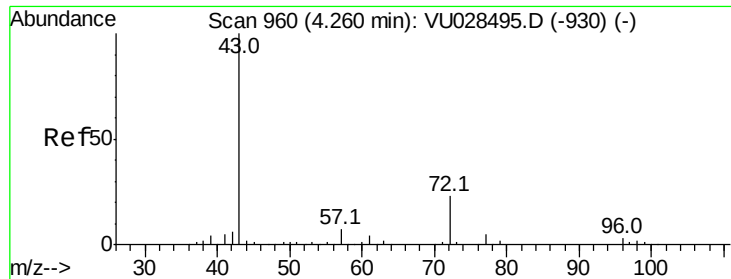
98 5.9 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028738.D (-614) (-)





#25

2-Butanone

Concen: 106.222 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

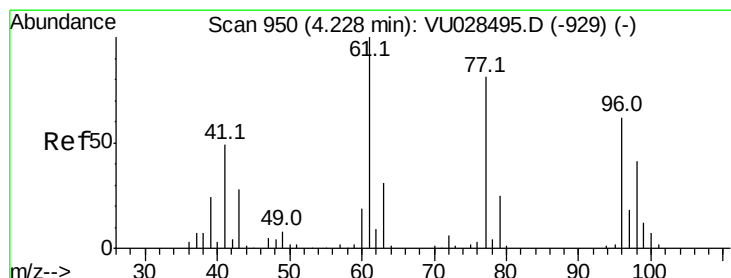
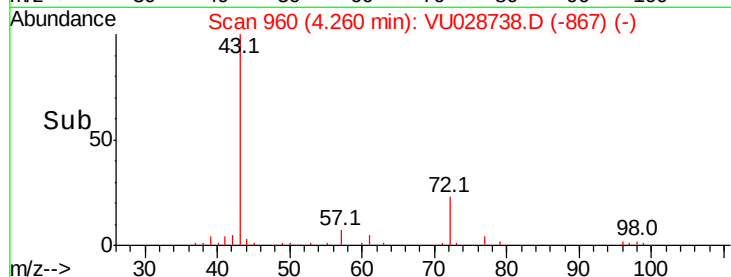
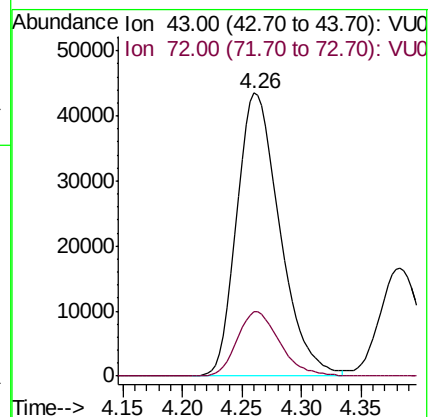
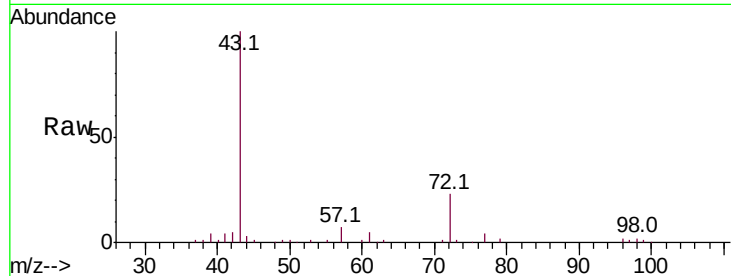
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 108364

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0



#26

2,2-Dichloropropane

Concen: 18.646 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028738.D

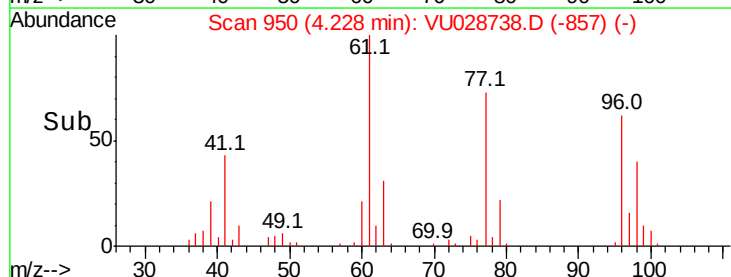
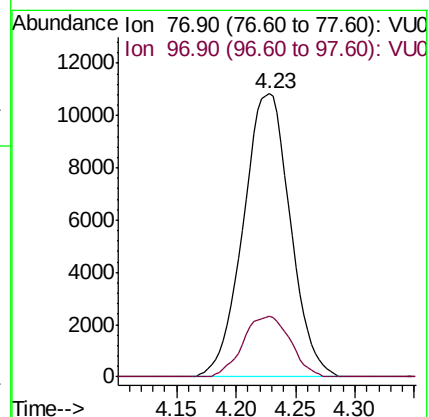
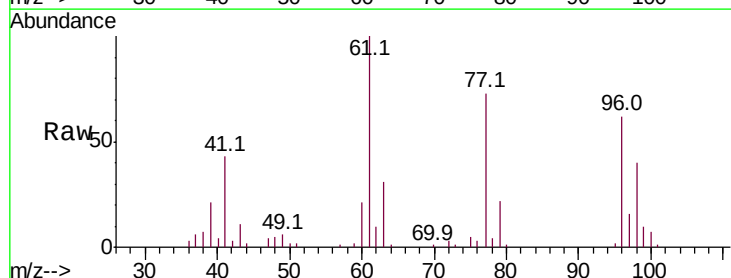
Acq: 17 Dec 2018 23:09

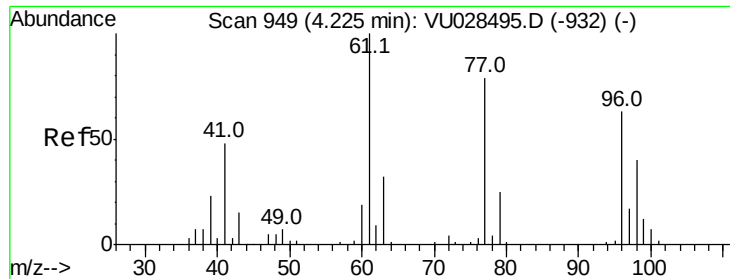
Tgt Ion: 77 Resp: 29694

Ion Ratio Lower Upper

77 100

97 21.5 11.0 33.0

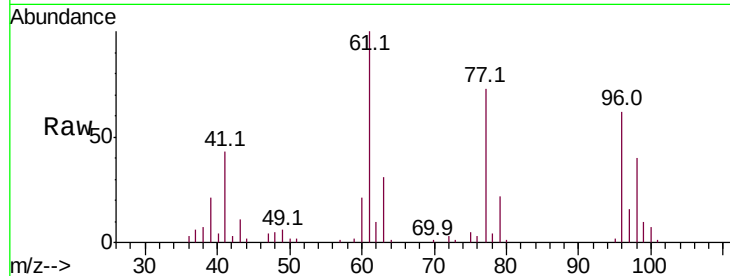




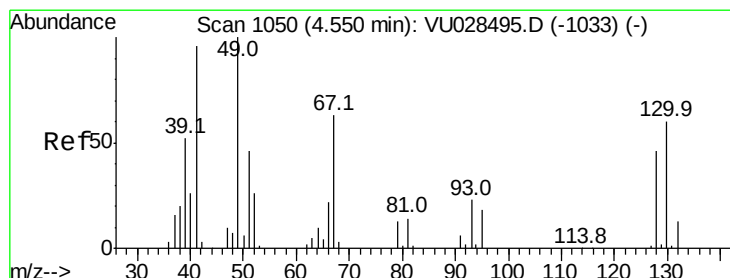
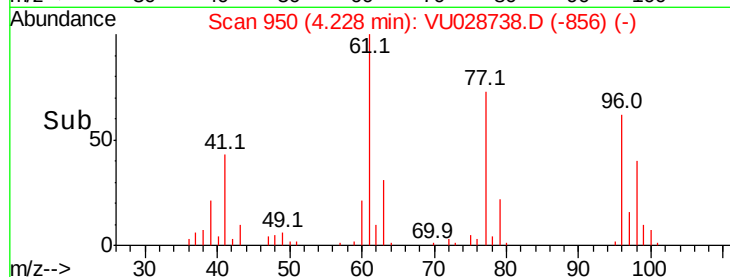
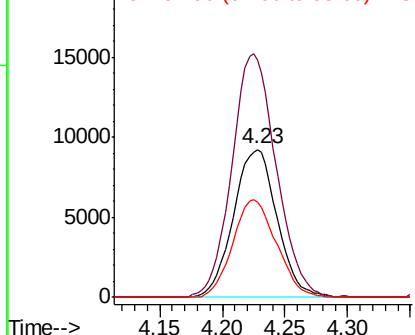
#27
 cis-1,2-Dichloroethene
 Concen: 21.009 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 22346
 Ion Ratio Lower Upper
 96 100
 61 167.3 0.0 332.4
 98 66.0 0.0 129.0

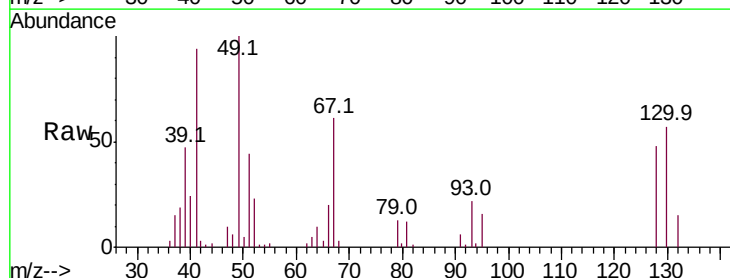


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

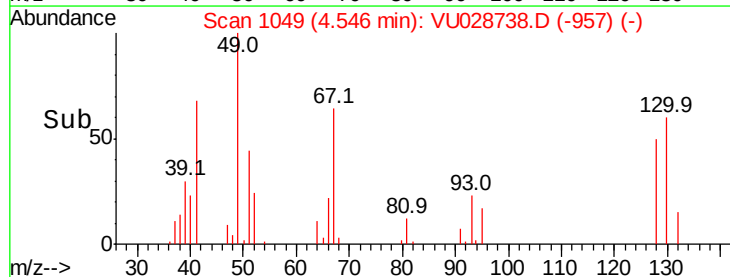
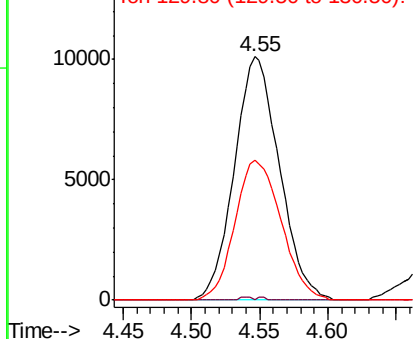


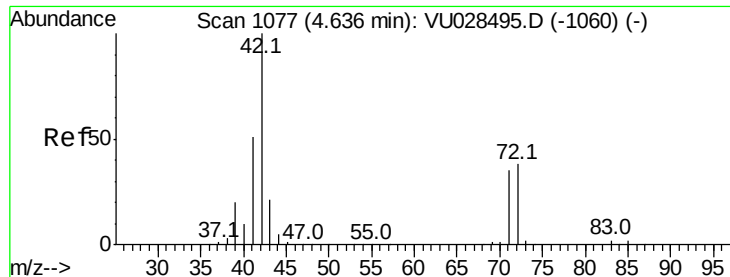
#28
 Bromochloromethane
 Concen: 25.364 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 49 Resp: 23175
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 3.0
 130 59.0 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: 117.402 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

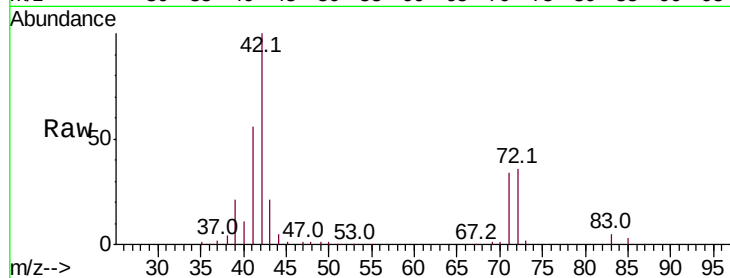
Tot Ion: 42 Resp: 76921

Ion Ratio Lower Upper

42 100

72 36.2 31.4 47.0

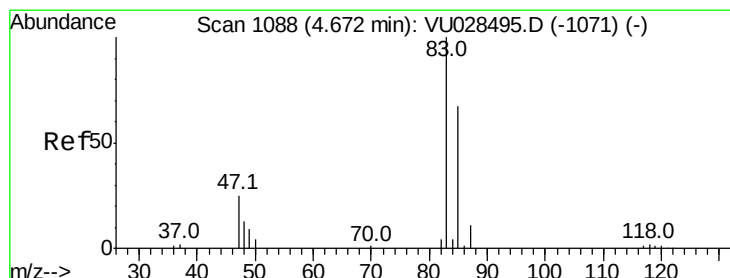
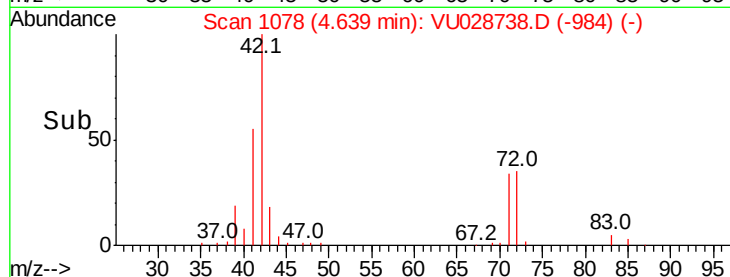
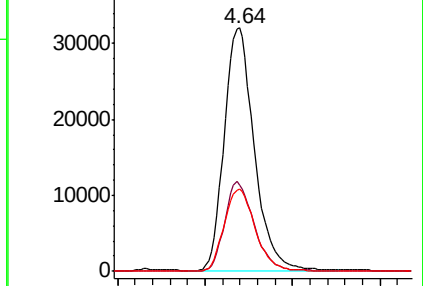
71 34.6 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.928 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028738.D

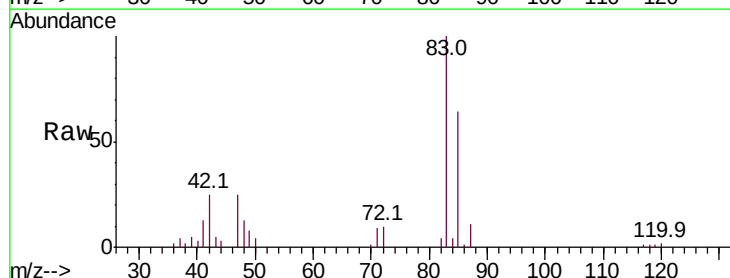
Acq: 17 Dec 2018 23:09

Tgt Ion: 83 Resp: 38412

Ion Ratio Lower Upper

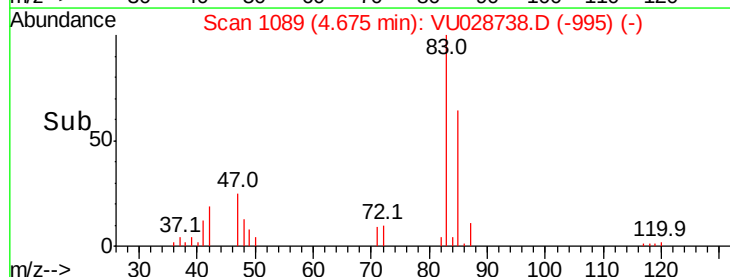
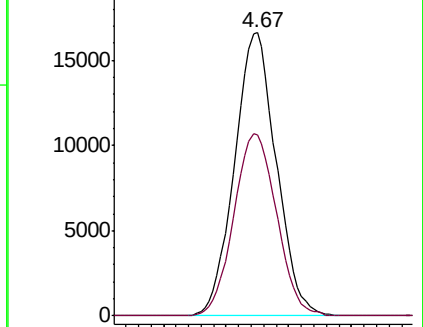
83 100

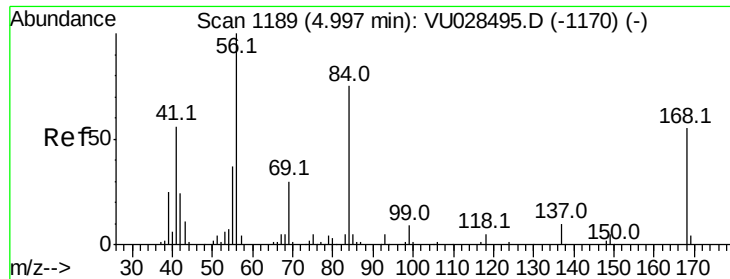
85 64.1 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

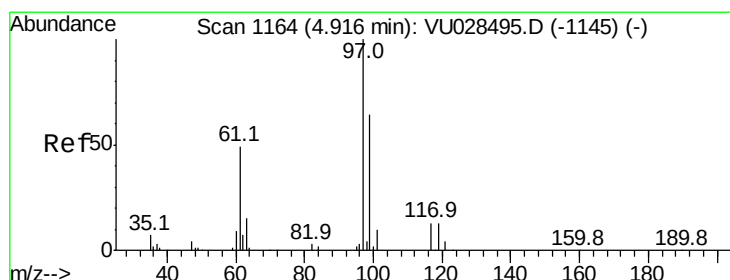
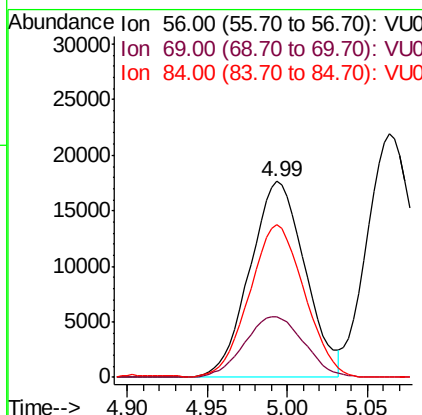
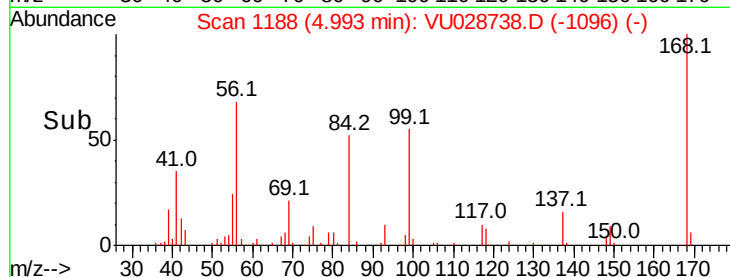
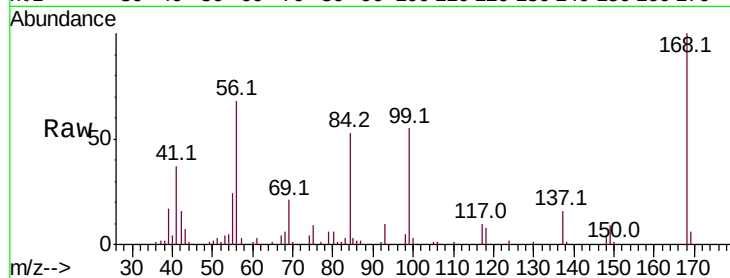




#31
Cyclohexane
Concen: 20.785 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

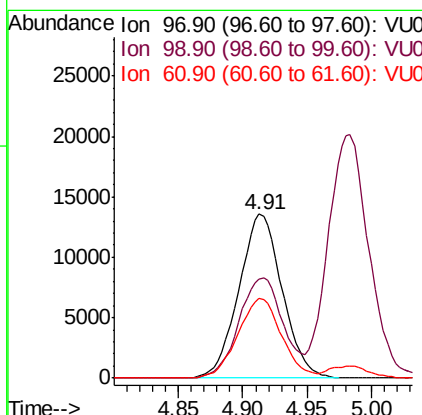
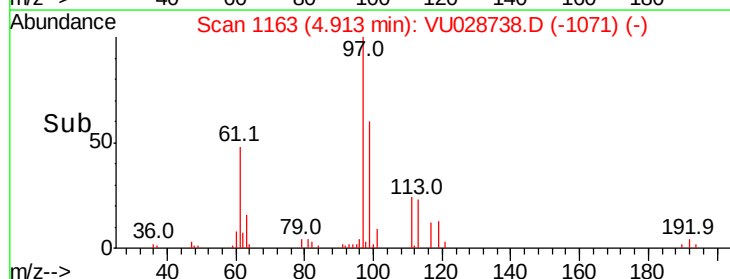
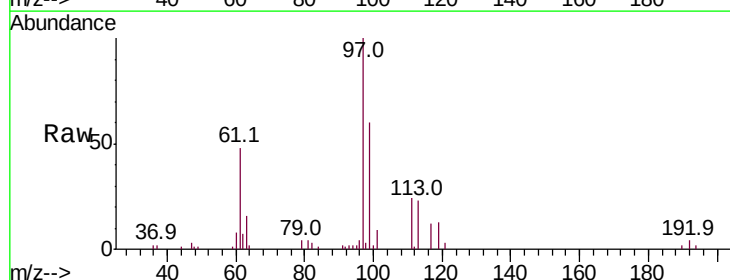
Instrument :
MSVOA_U
ClientSampled :

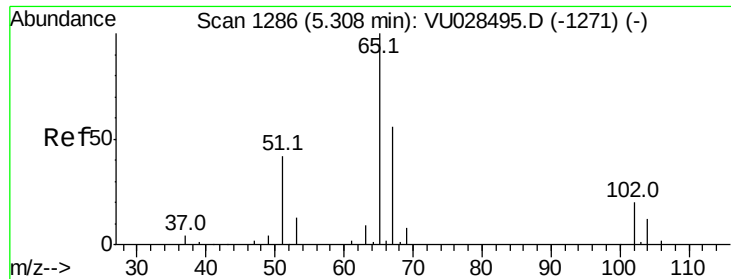
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	78.1	59.7	89.5



#32
1,1,1-Trichloroethane
Concen: 21.800 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.3	78.5
61	49.1	39.0	58.6

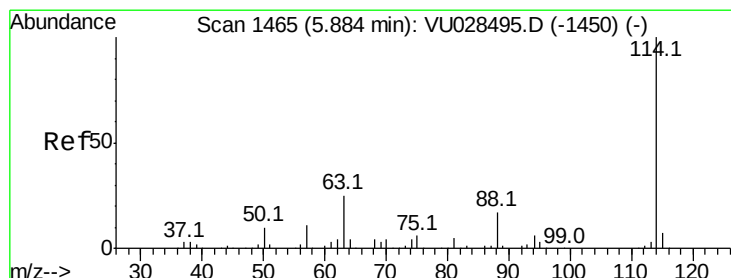
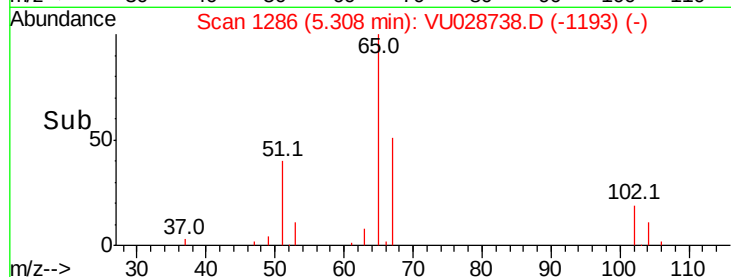
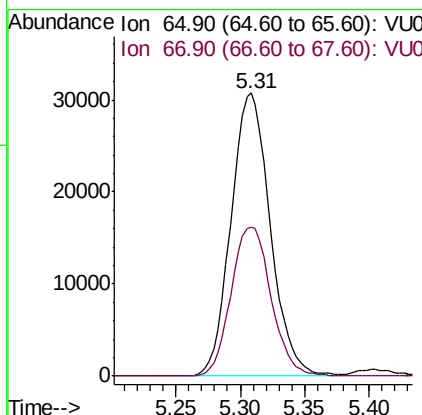
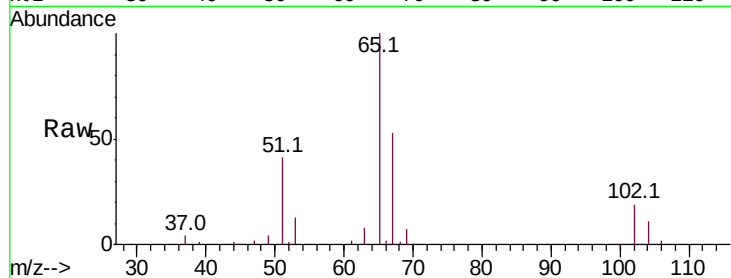




#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

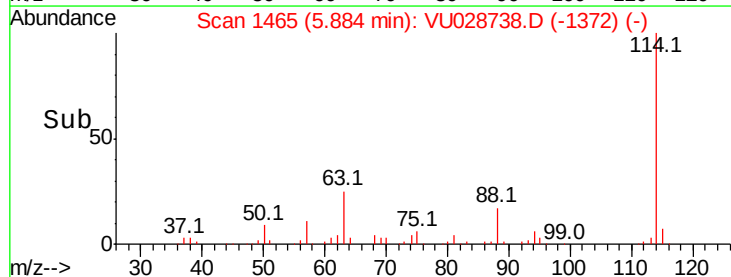
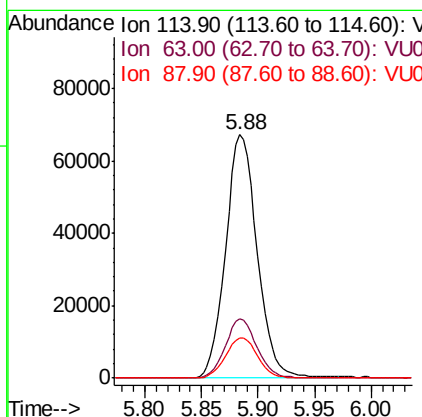
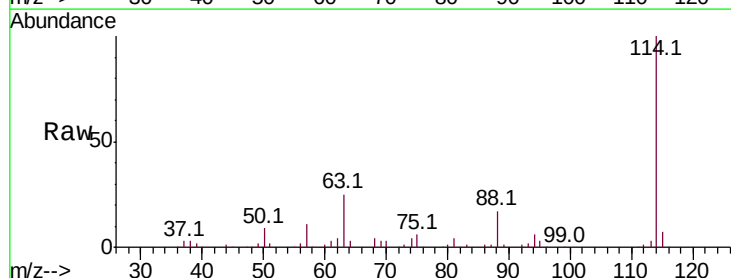
Instrument :
 MSVOA_U
 ClientSampleId :

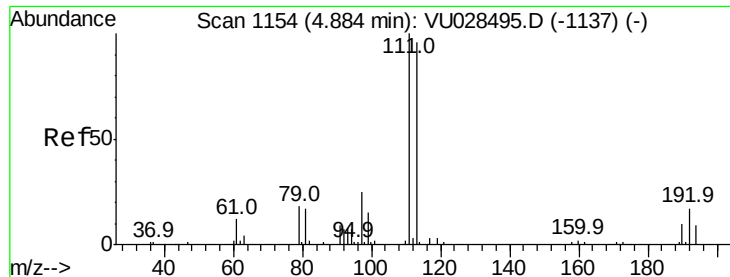
Tot Ion: 65 Resp: 64957
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 114 Resp: 130575
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.808 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampled :

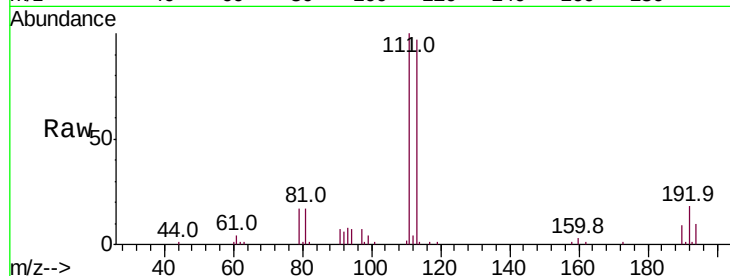
Tot Ion:113 Resp: 46680

Ion Ratio Lower Upper

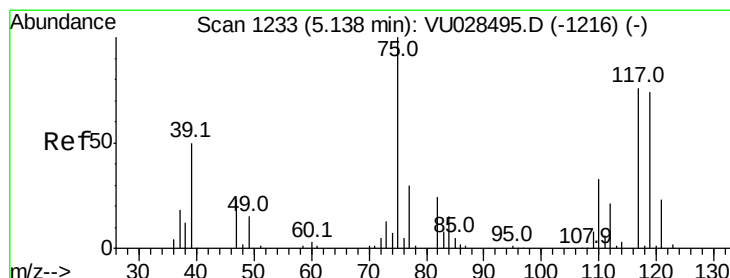
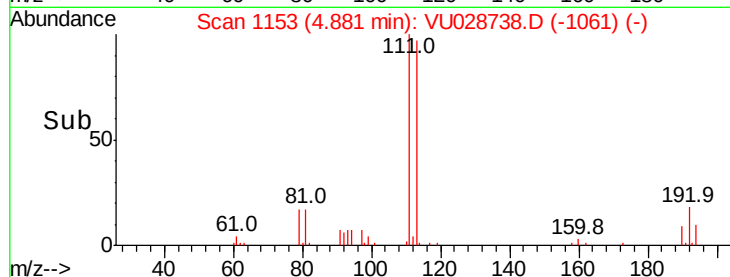
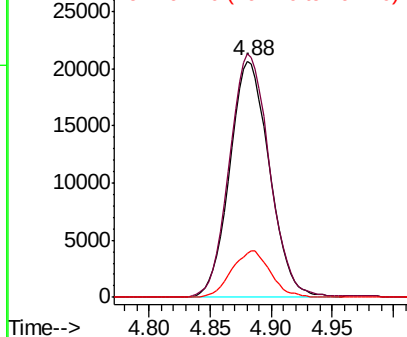
113 100

111 104.1 83.4 125.0

192 19.2 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: 20.664 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

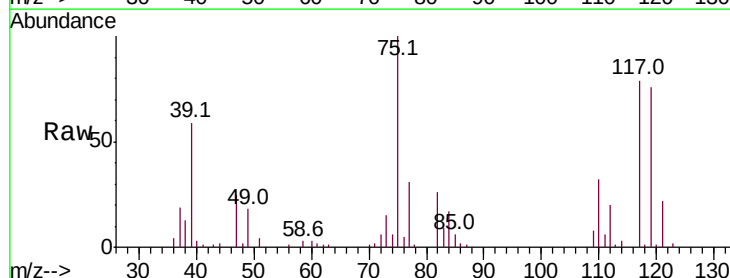
Tgt Ion: 75 Resp: 29526

Ion Ratio Lower Upper

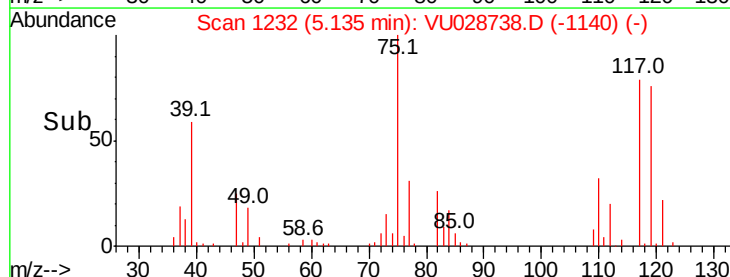
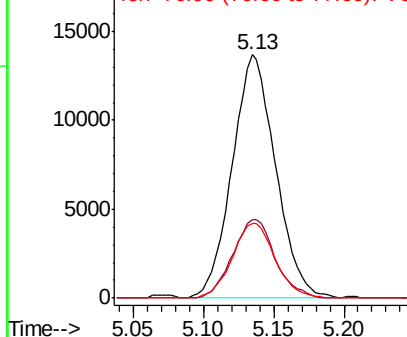
75 100

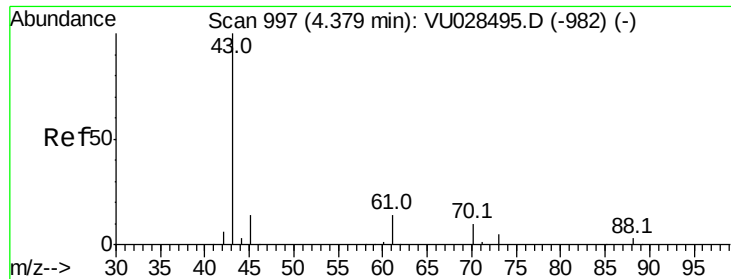
110 31.5 16.1 48.2

77 30.2 24.5 36.7



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





#37

Ethyl Acetate

Concen: 21.919 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampled :

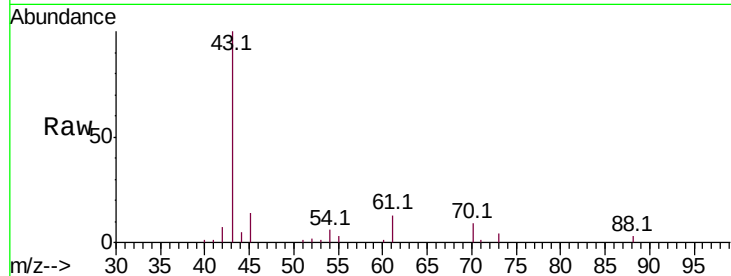
Tot Ion: 43 Resp: 40486

Ion Ratio Lower Upper

43 100

61 13.3 11.0 16.4

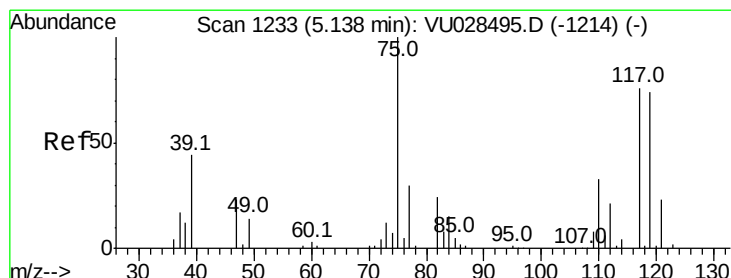
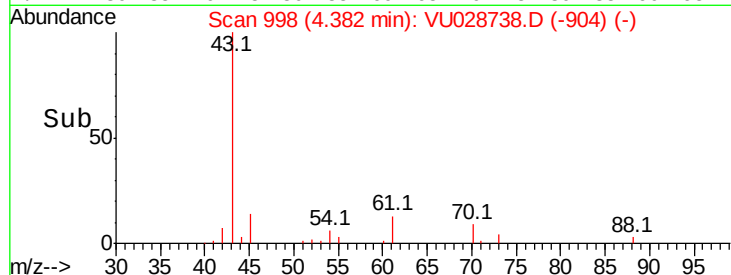
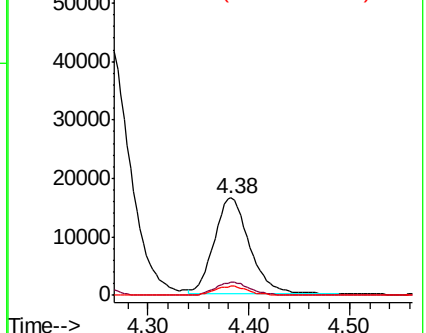
70 8.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 21.547 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

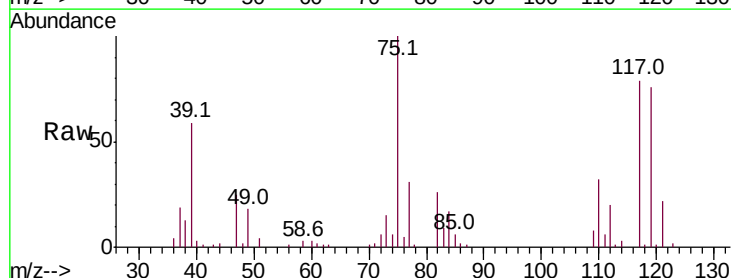
Tgt Ion: 117 Resp: 24815

Ion Ratio Lower Upper

117 100

119 96.4 77.6 116.4

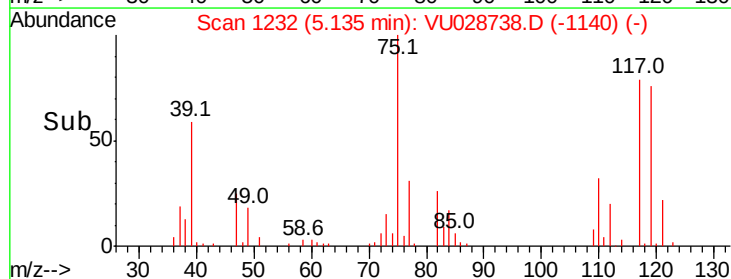
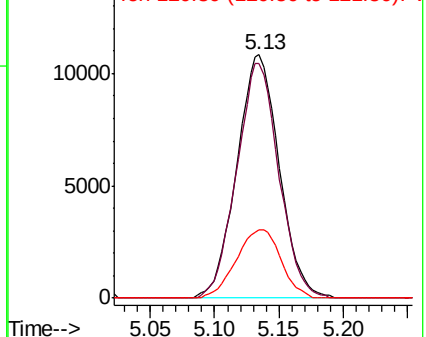
121 27.9 24.6 36.8

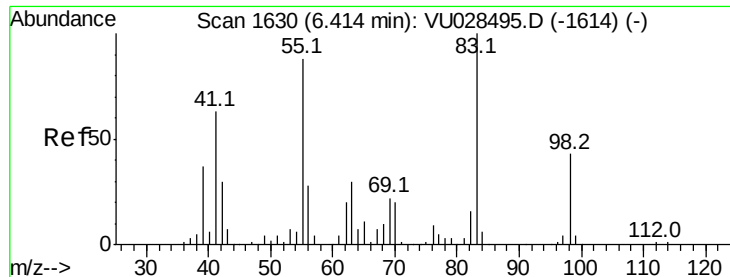


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

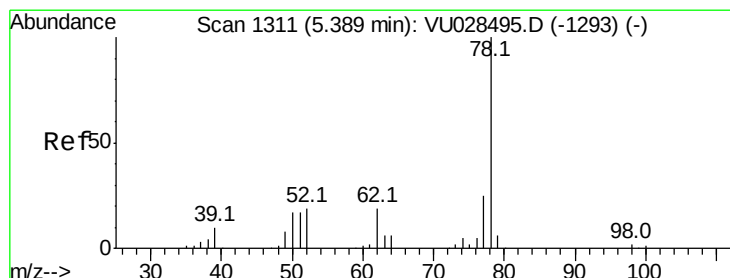
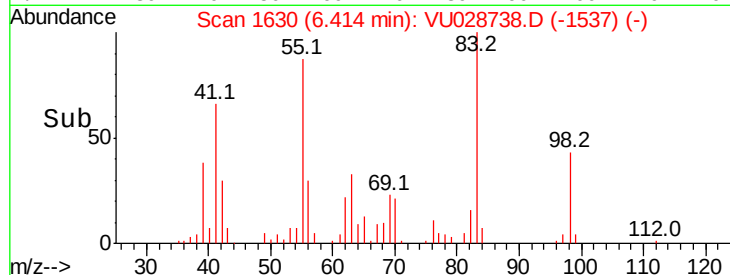
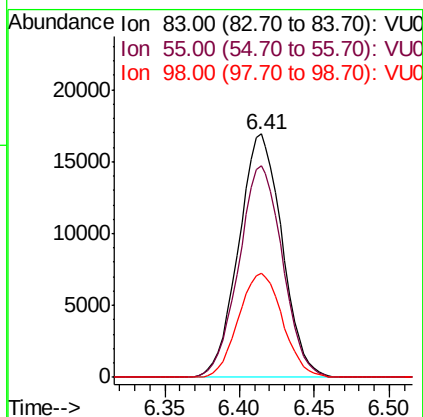
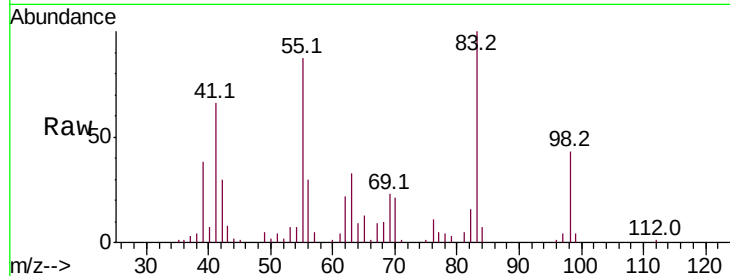




#39
Methylvlcyclohexane
Concen: 19.551 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

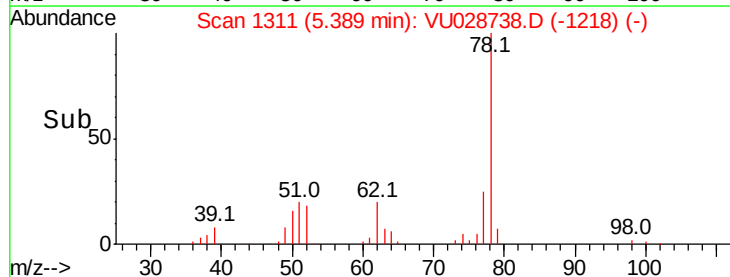
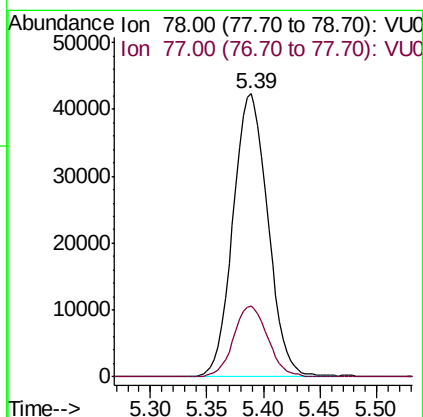
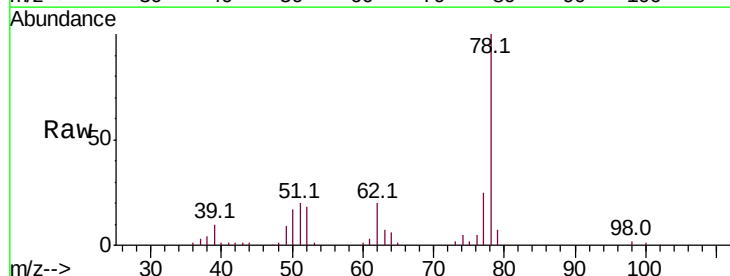
Instrument :
MSVOA_U
ClientSampleId :

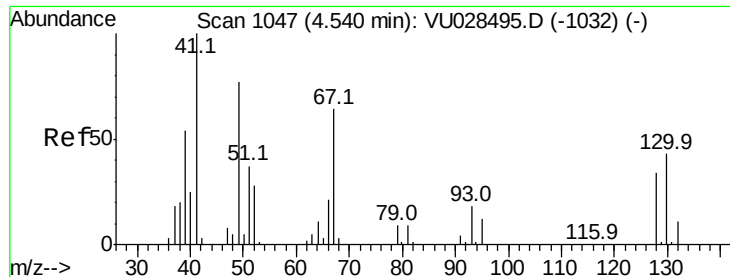
Tot Ion: 83 Resp: 34082
Ion Ratio Lower Upper
83 100
55 86.9 70.2 105.2
98 42.6 34.2 51.4



#40
Benzene
Concen: 21.643 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 78 Resp: 91080
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9





#41

Methacrylonitrile

Concen: 23.117 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 23384

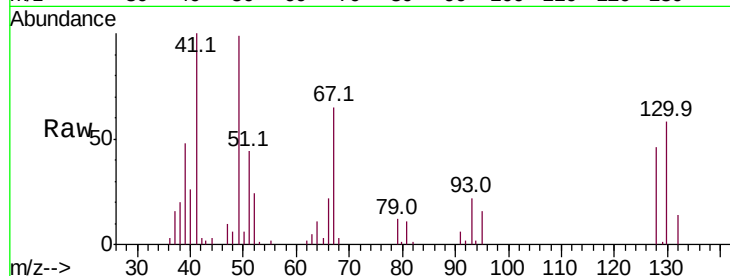
Ion Ratio Lower Upper

41 100

39 51.1 43.3 64.9

67 64.9 53.6 80.4

52 25.3 22.1 33.1

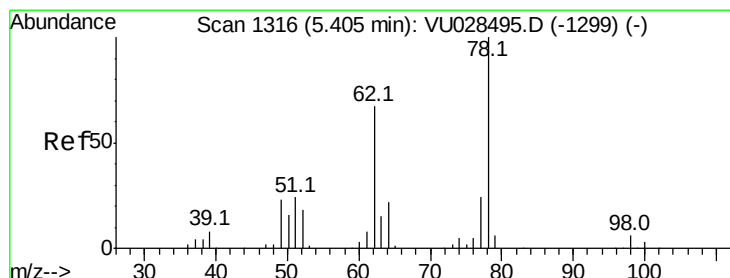
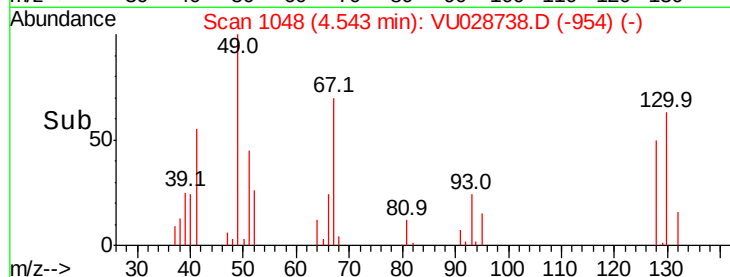
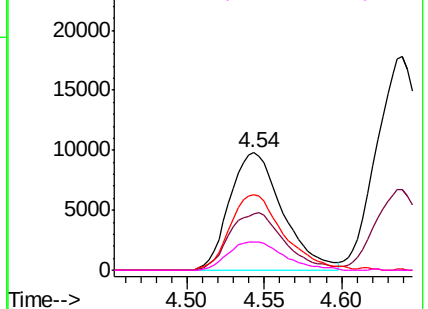


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 22.089 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028738.D

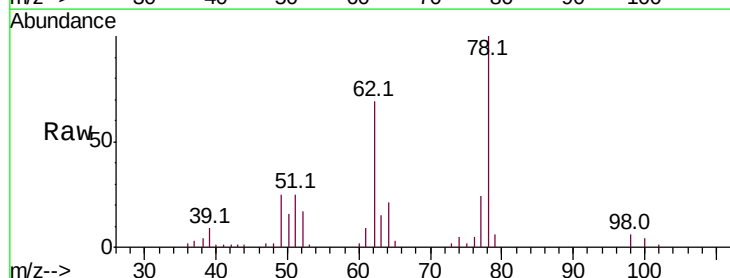
Acq: 17 Dec 2018 23:09

Tgt Ion: 62 Resp: 32538

Ion Ratio Lower Upper

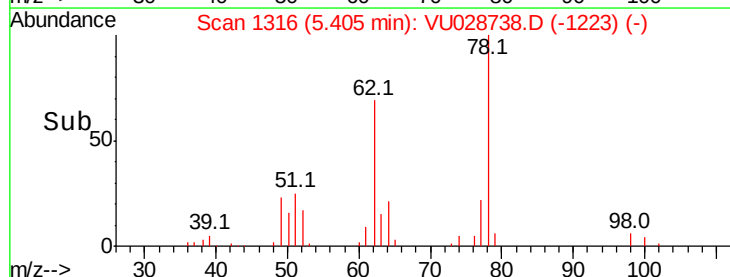
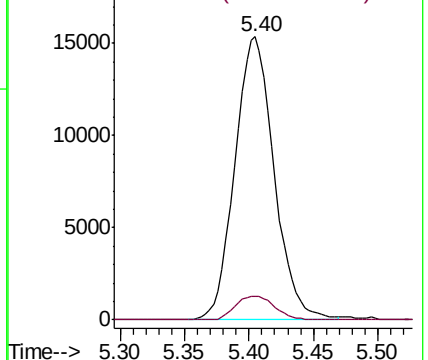
62 100

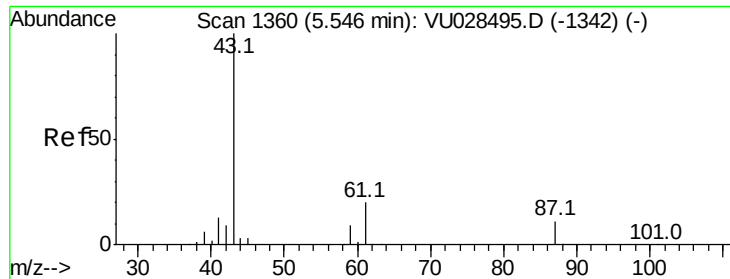
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 22.643 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

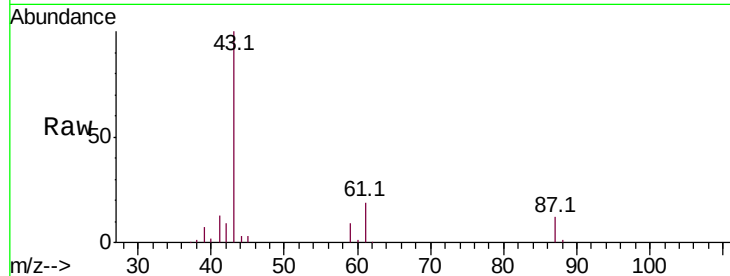
Tot Ion: 43 Resp: 66154

Ion Ratio Lower Upper

43 100

61 18.7 15.5 23.3

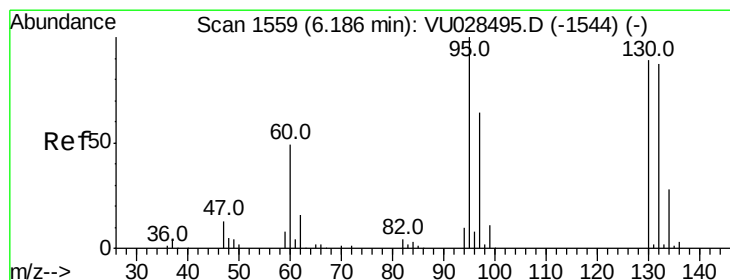
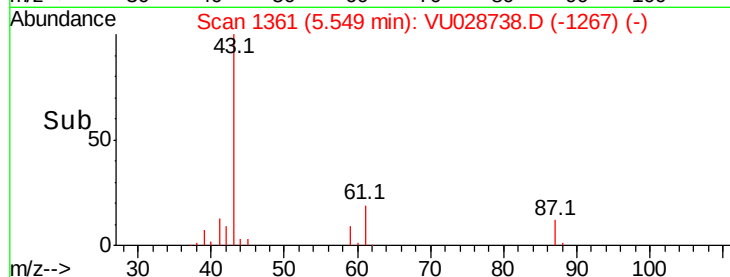
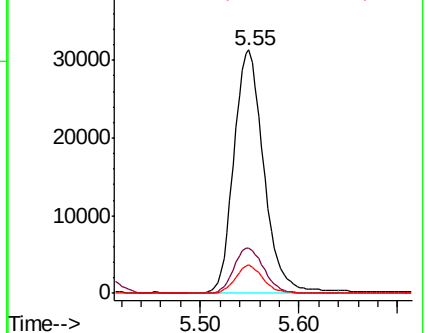
87 10.5 8.7 13.1



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

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

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



#44

Trichloroethene

Concen: 21.077 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028738.D

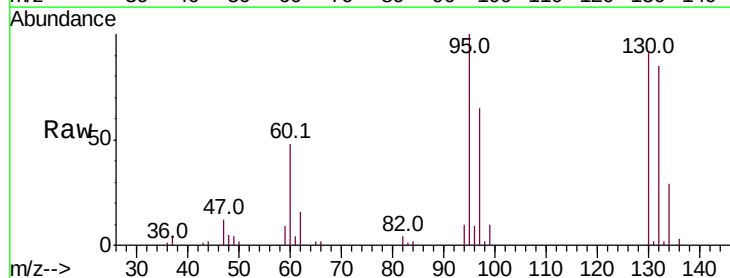
Acq: 17 Dec 2018 23:09

Tgt Ion:130 Resp: 19722

Ion Ratio Lower Upper

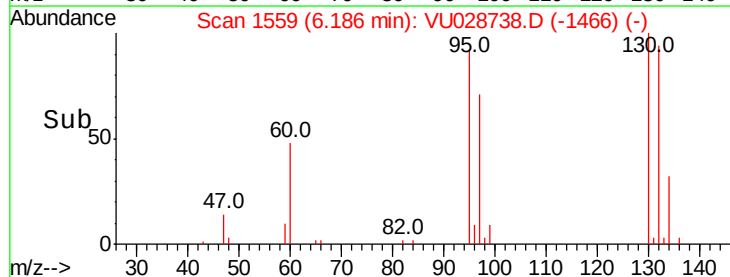
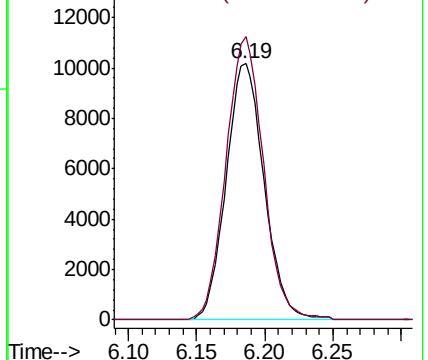
130 100

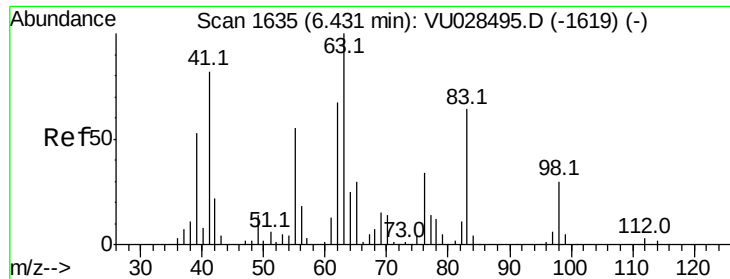
95 110.4 0.0 224.0



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

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





#45

1,2-Dichloropropane

Concen: 22.828 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

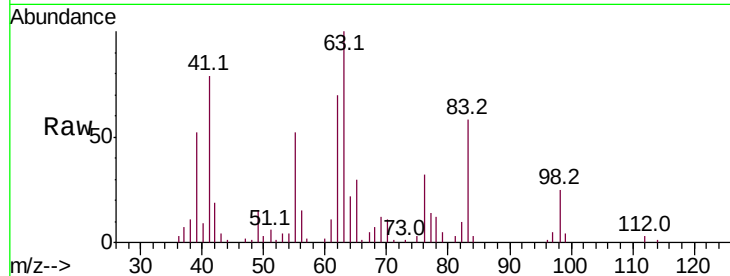
ClientSampleId :

Tot Ion: 63 Resp: 27015

Ion Ratio Lower Upper

63 100

65 30.1 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

15000

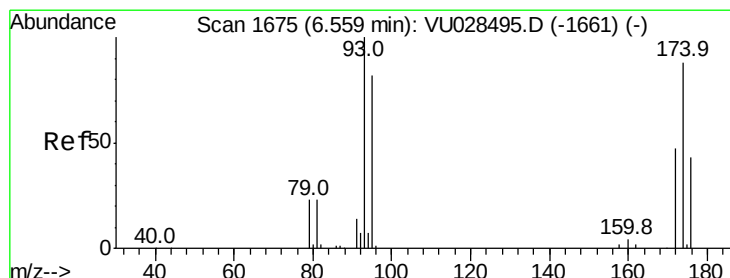
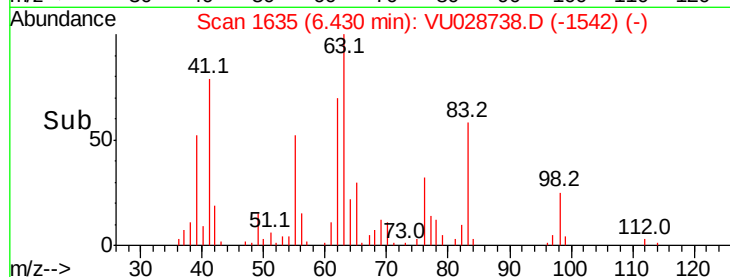
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 21.981 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

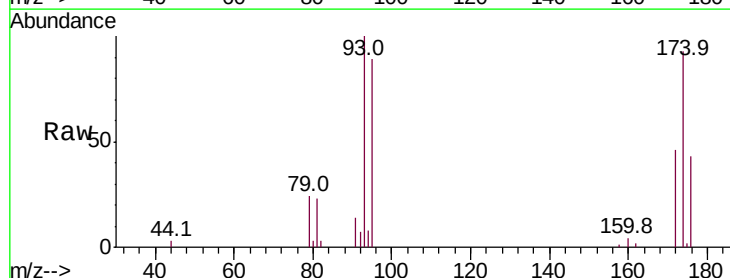
Tgt Ion: 93 Resp: 15434

Ion Ratio Lower Upper

93 100

95 82.6 65.4 98.2

174 91.1 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

10000

8000

6000

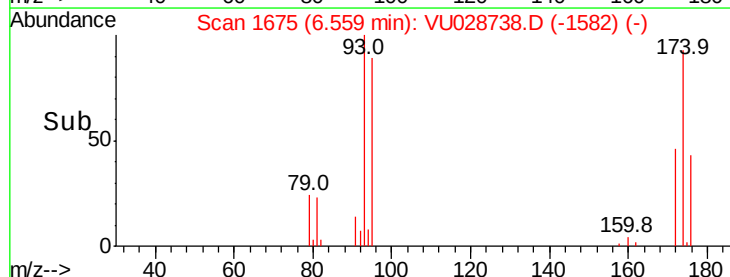
4000

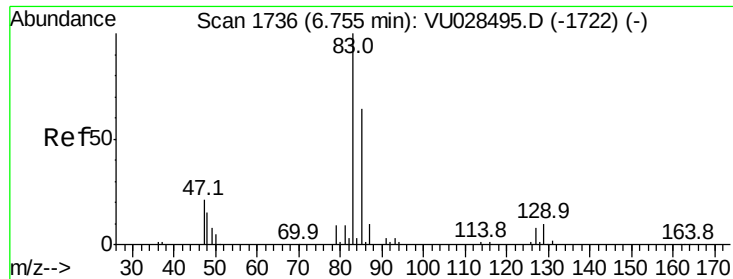
2000

0

6.50 6.55 6.60

Time-->





#47

Bromodichloromethane

Concen: 22.144 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

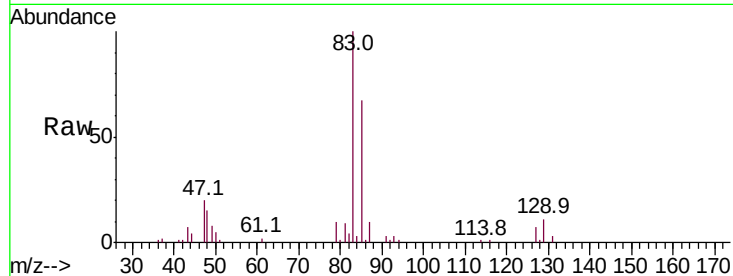
Tot Ion: 83 Resp: 30257

Ion Ratio Lower Upper

83 100

85 67.1 51.5 77.3

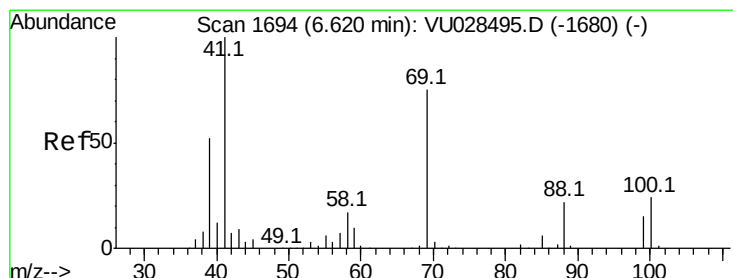
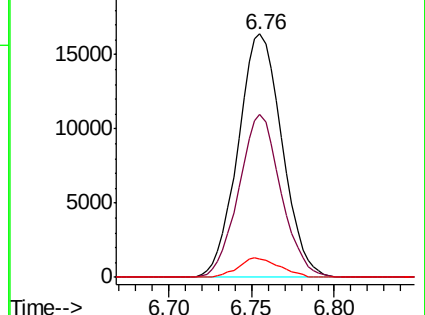
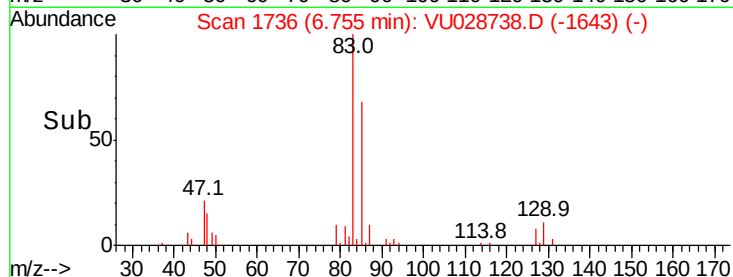
127 7.5 6.2 9.4



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: 22.757 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

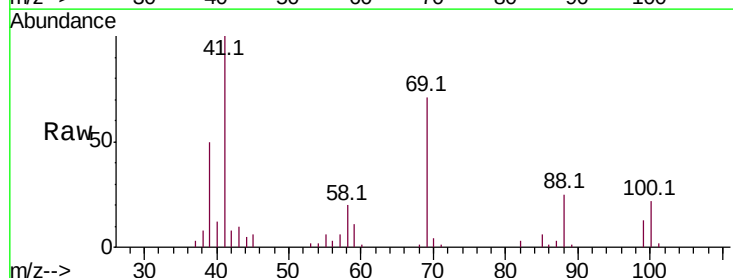
Tgt Ion: 41 Resp: 33064

Ion Ratio Lower Upper

41 100

69 72.3 60.4 90.6

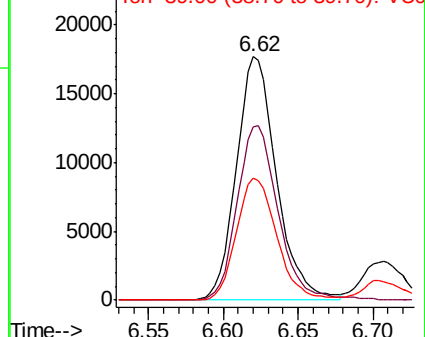
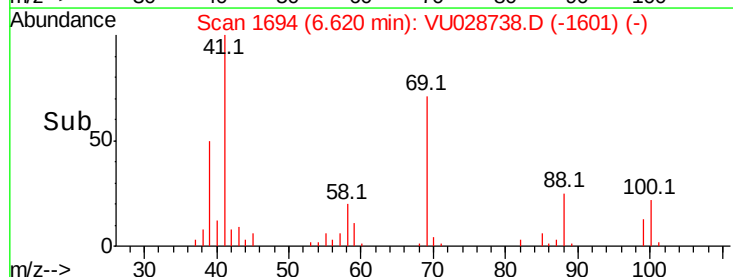
39 50.3 41.1 61.7

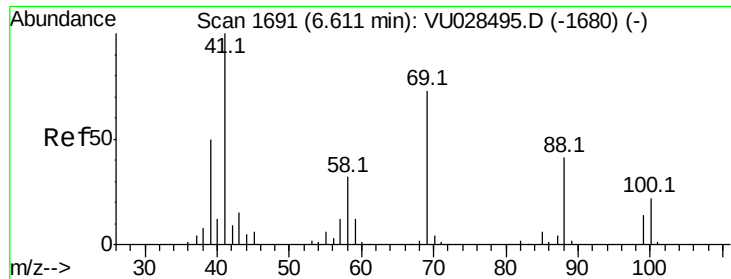


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

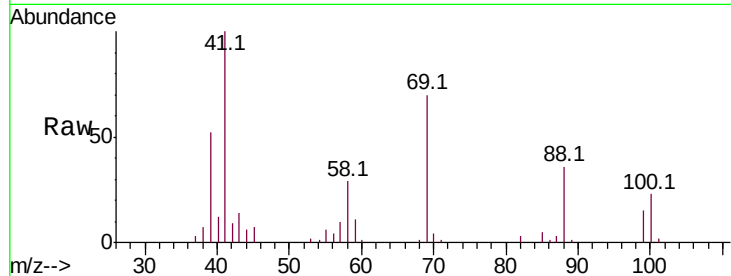




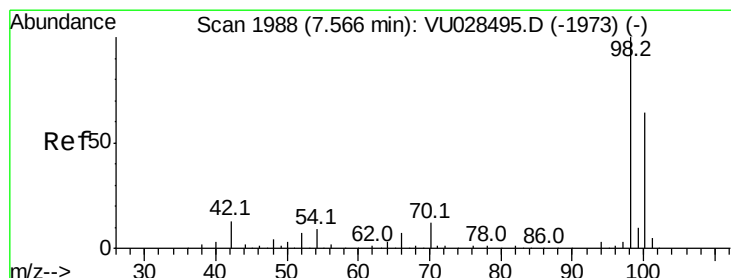
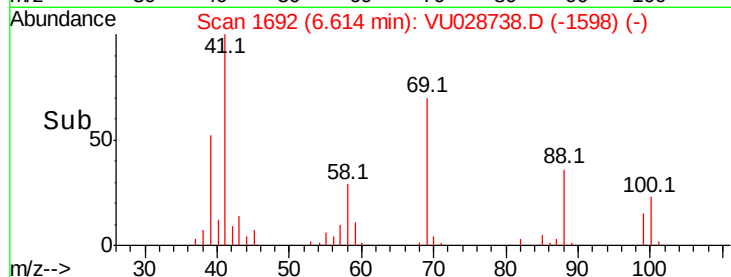
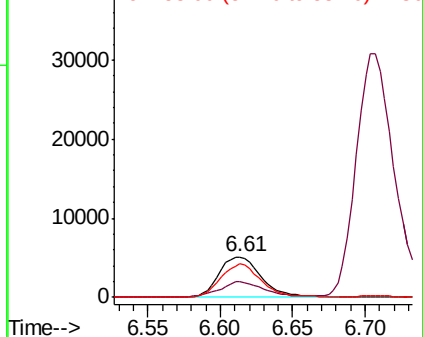
#49
1,4-Dioxane
Concen: 447.108 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 10257
Ion Ratio Lower Upper
88 100
43 42.7 30.9 46.3
58 79.8 62.4 93.6

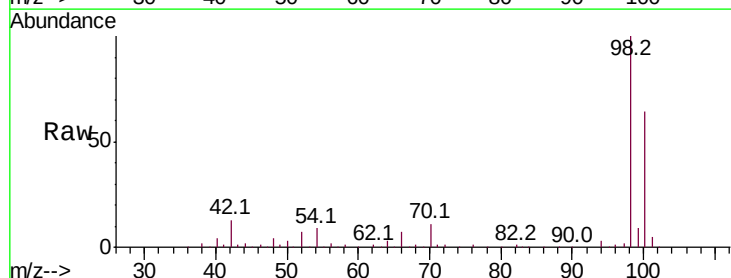


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

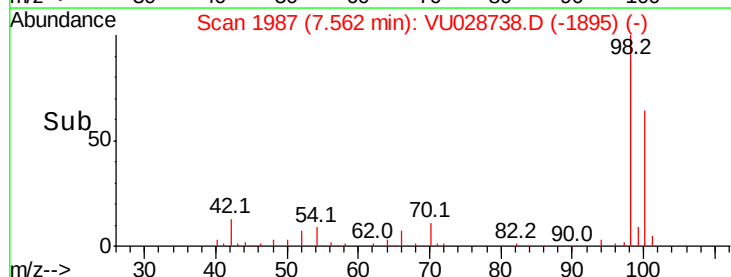
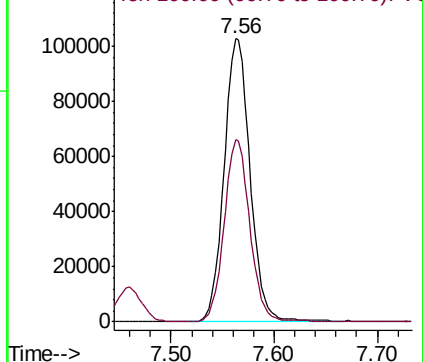


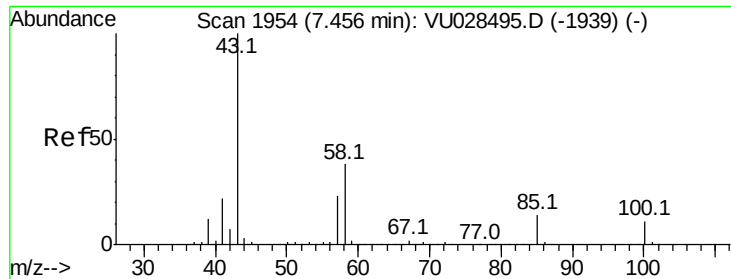
#50
Toluene-d8
Concen: 55.559 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion: 98 Resp: 180599
Ion Ratio Lower Upper
98 100
100 63.0 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: 114.308 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

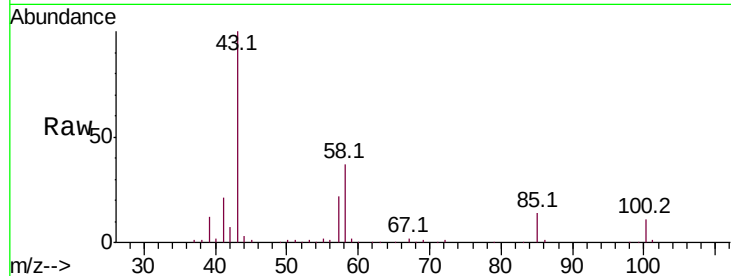
ClientSampleId :

Tot Ion: 43 Resp: 210631

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



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

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

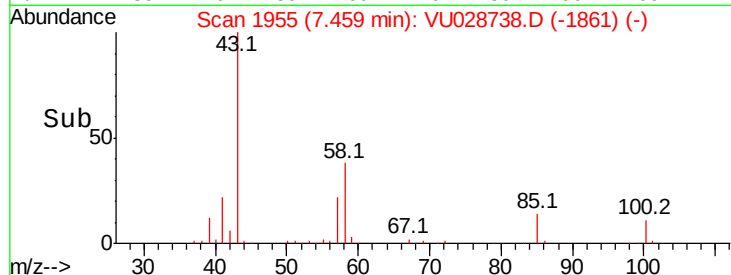
7.46

100000

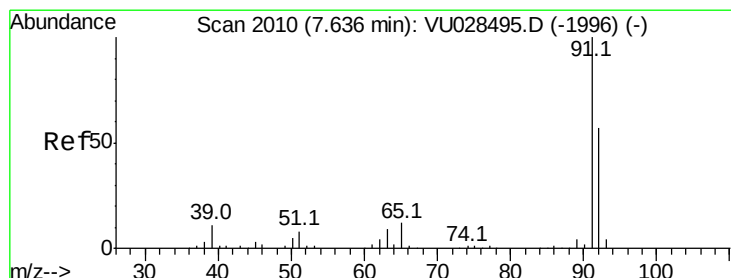
50000

0

Time-->



Time-->



#52

Toluene

Concen: 20.860 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028738.D

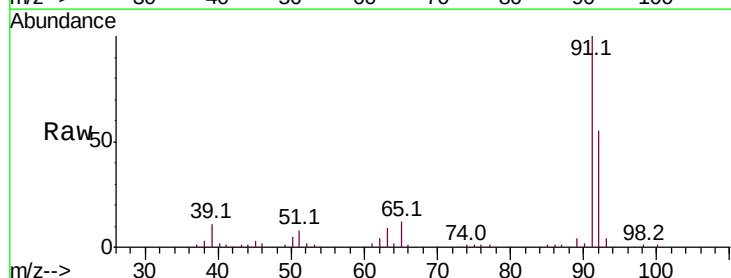
Acq: 17 Dec 2018 23:09

Tgt Ion: 92 Resp: 51663

Ion Ratio Lower Upper

92 100

91 175.5 140.2 210.4



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

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

7.64

60000

50000

40000

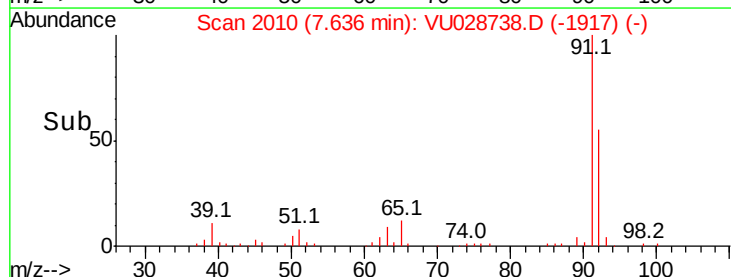
30000

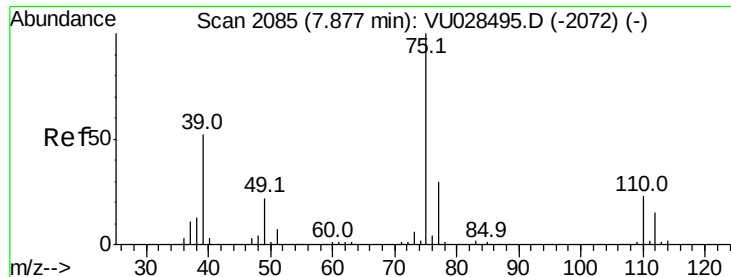
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.257 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

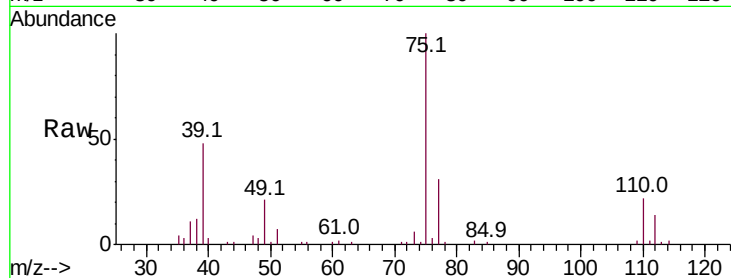
ClientSampleId :

Tot Ion: 75 Resp: 34592

Ion Ratio Lower Upper

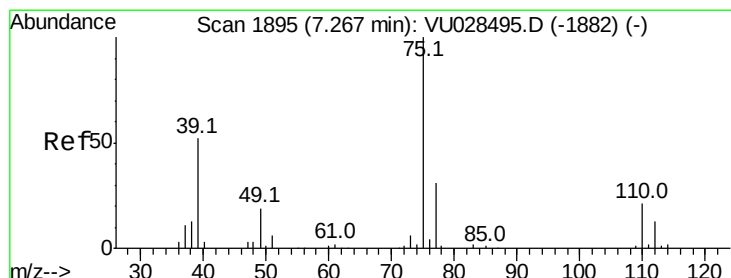
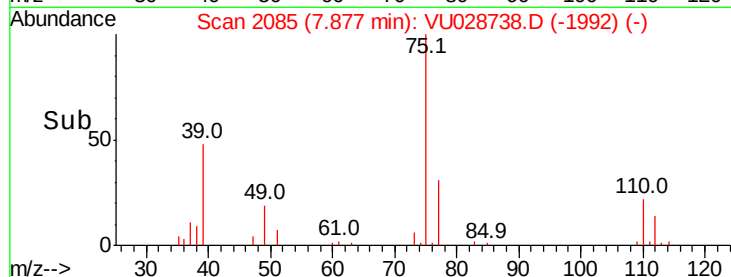
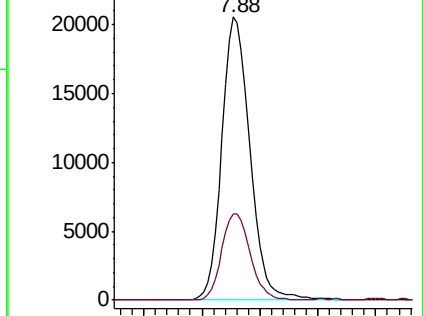
75 100

77 30.6 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 21.269 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

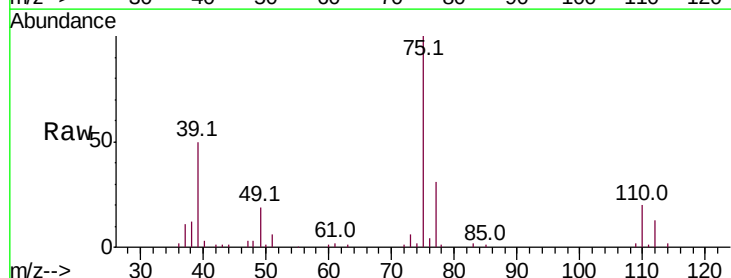
Tgt Ion: 75 Resp: 37551

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

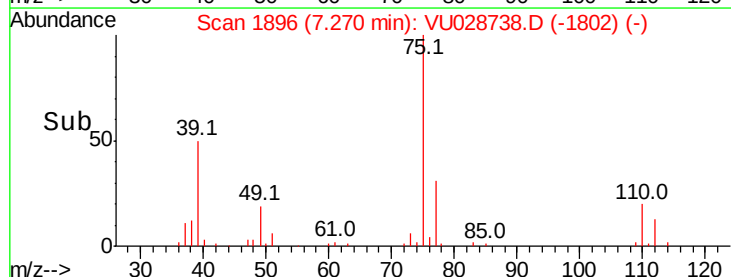
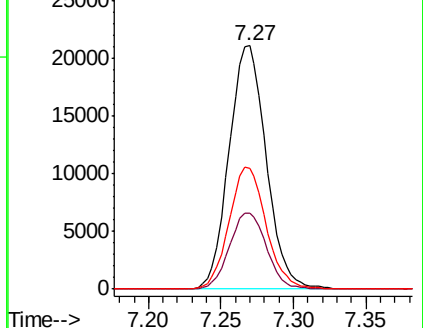
39 49.7 41.3 61.9

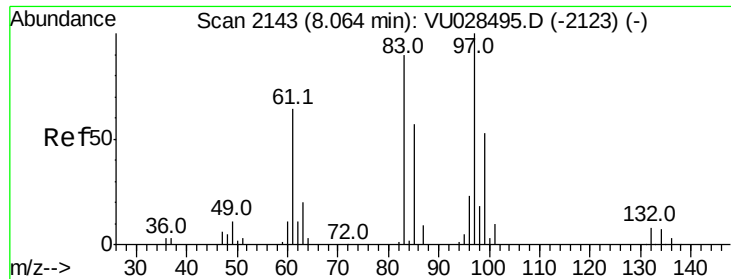


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

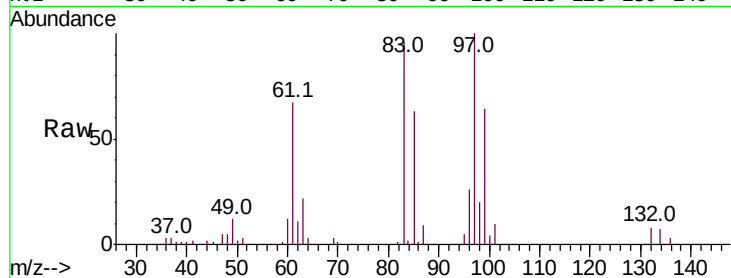




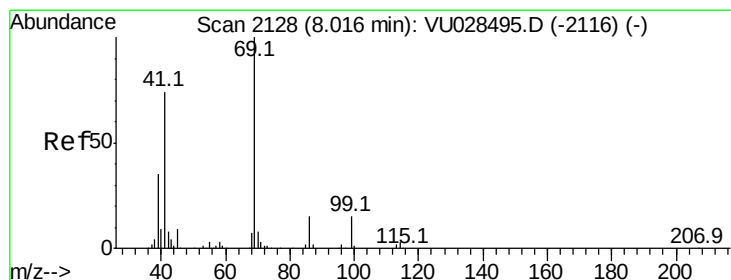
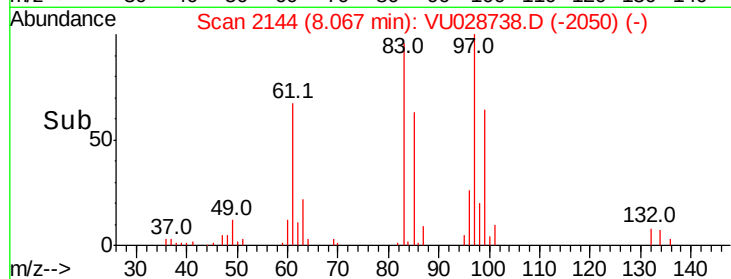
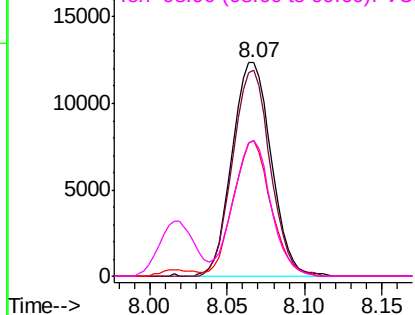
#55
 1,1,2-Trichloroethane
 Concen: 22.251 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	21784
Ion	Ratio	Lower	Upper
97	100		
83	96.4	72.4	108.6
85	63.3	46.0	69.0
99	63.8	47.4	71.2

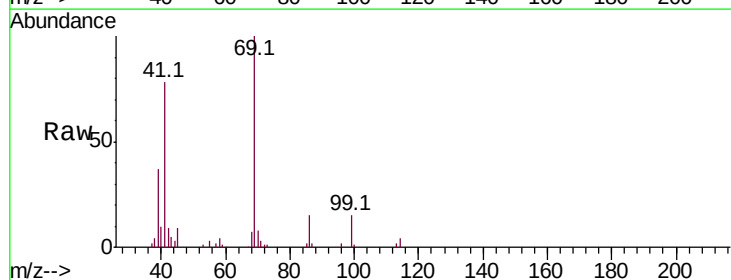


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

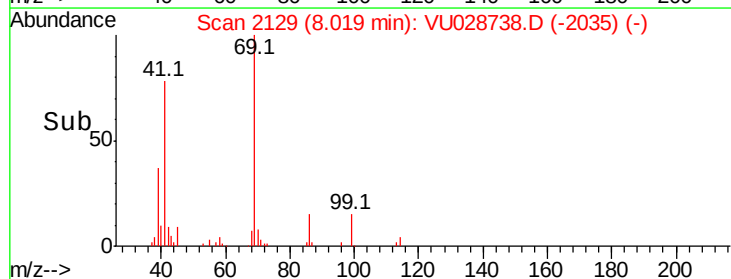
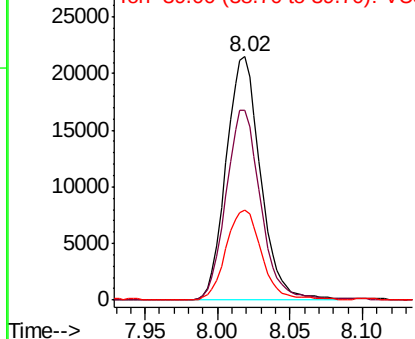


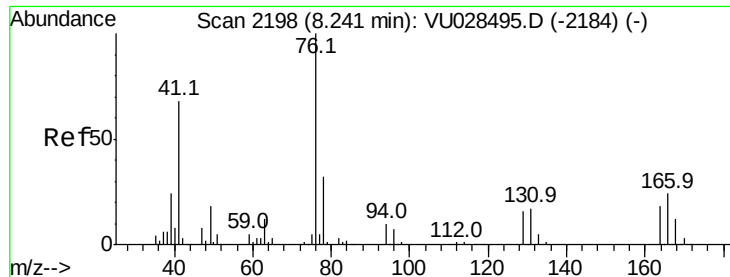
#56
 Ethyl methacrylate
 Concen: 21.105 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion:	69	Resp:	35383
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.1	88.7
39	38.4	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

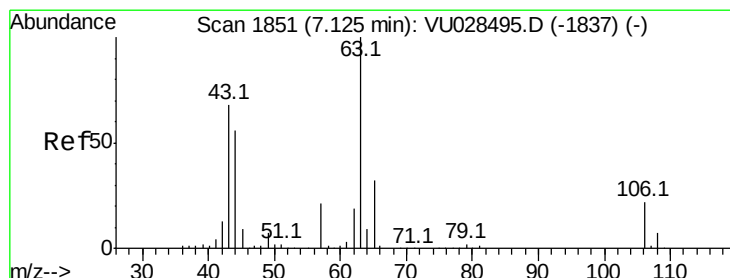
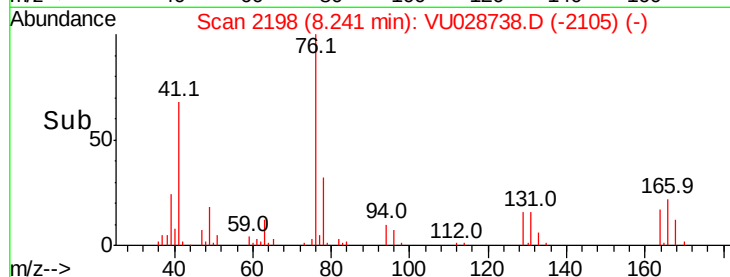
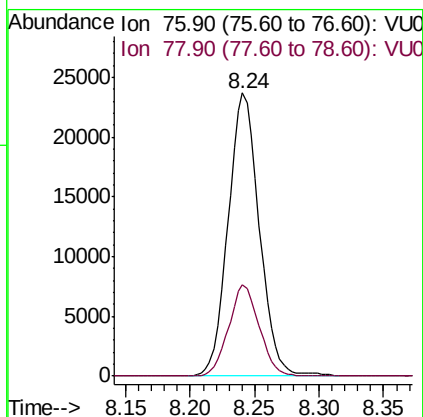
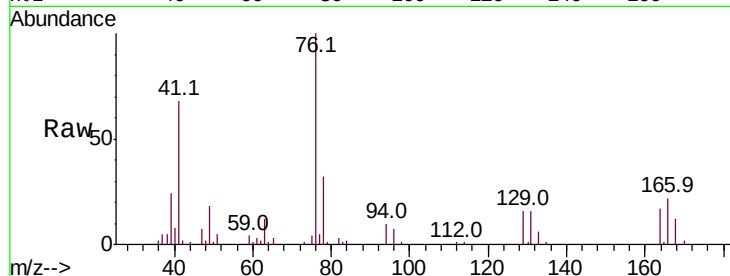




#57
 1,3-Dichloropropane
 Concen: 21.881 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

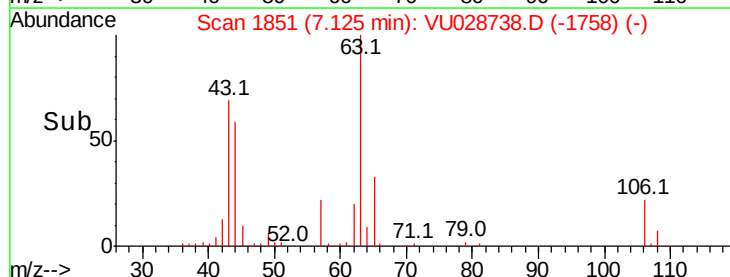
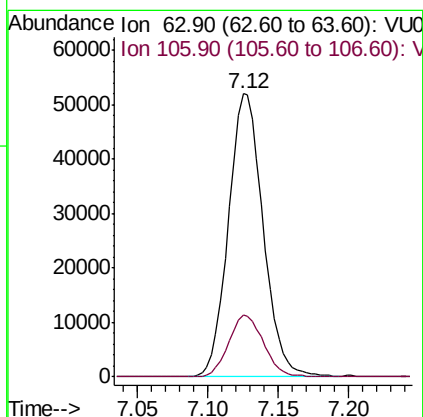
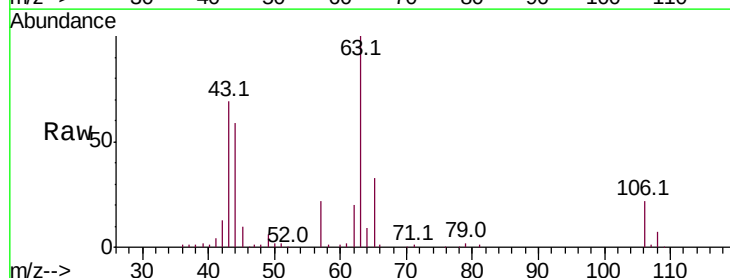
Instrument :
 MSVOA_U
 ClientSampled :

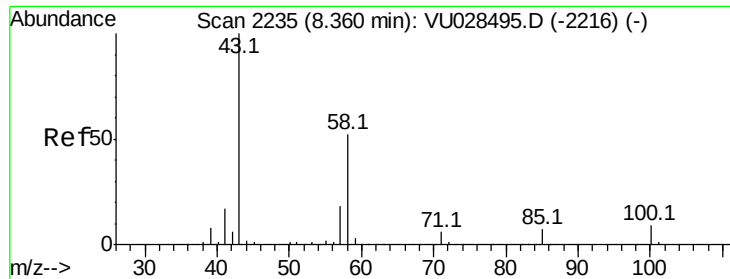
Tot Ion: 76 Resp: 39766
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.527 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion: 63 Resp: 89759
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6

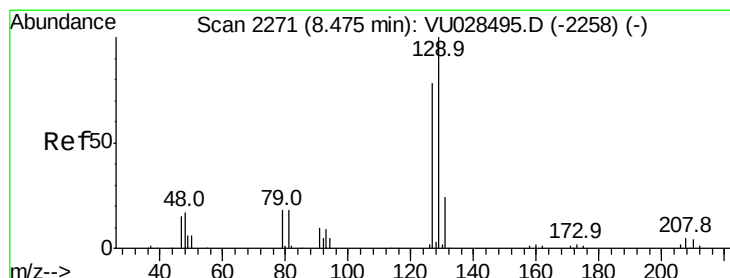
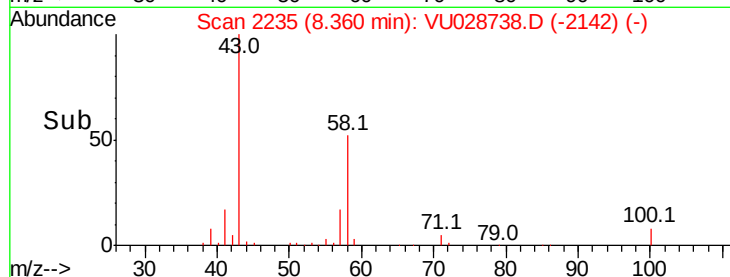
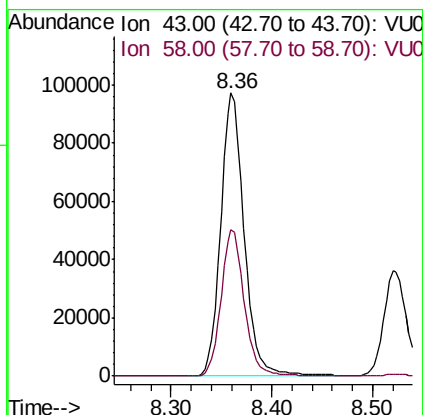
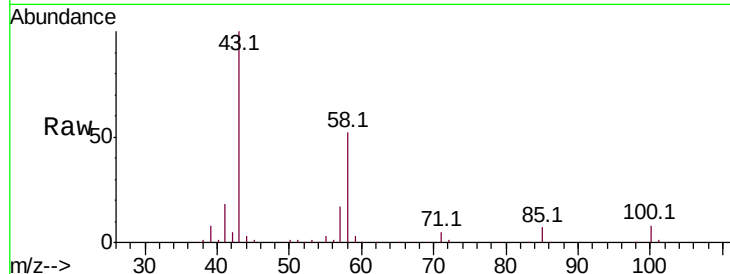




#59
2-Hexanone
Concen: 108.178 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

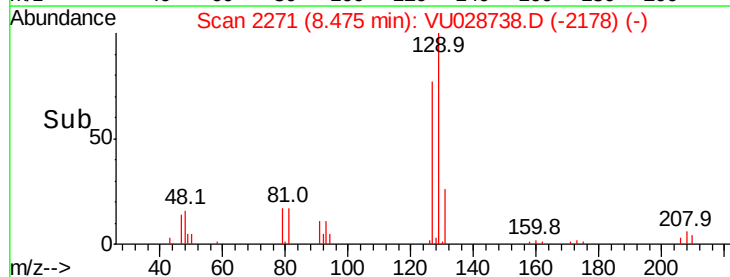
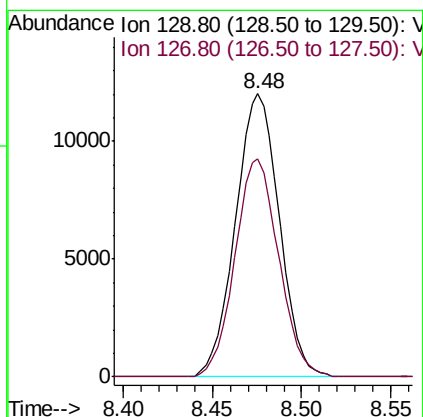
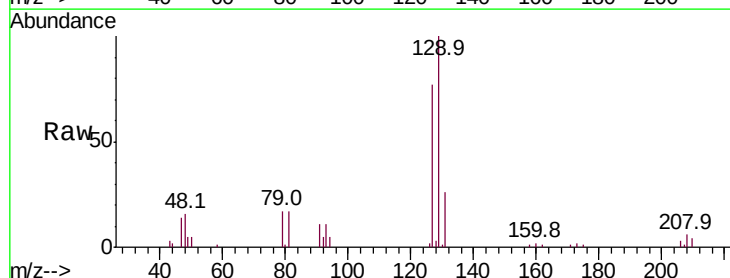
Instrument :
MSVOA_U
ClientSampled :

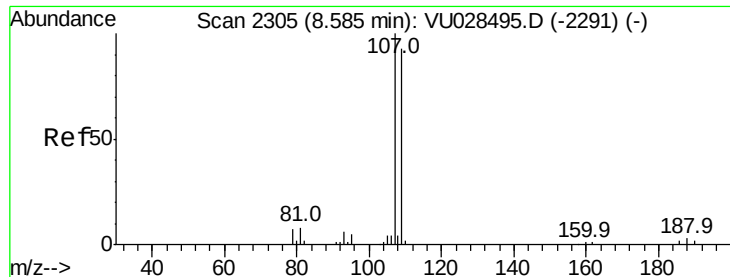
Tot Ion: 43 Resp: 157994
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.6



#60
Dibromochloromethane
Concen: 21.535 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:129 Resp: 20642
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.707 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

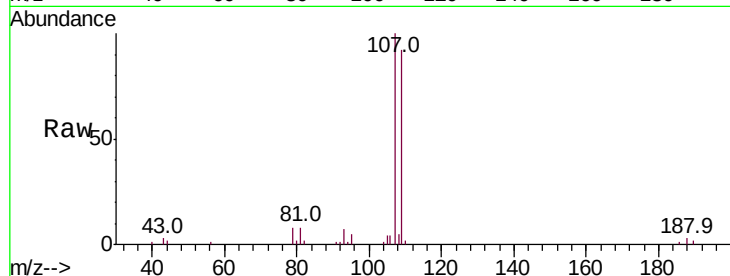
ClientSampleId :

Tot Ion:107 Resp: 22286

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

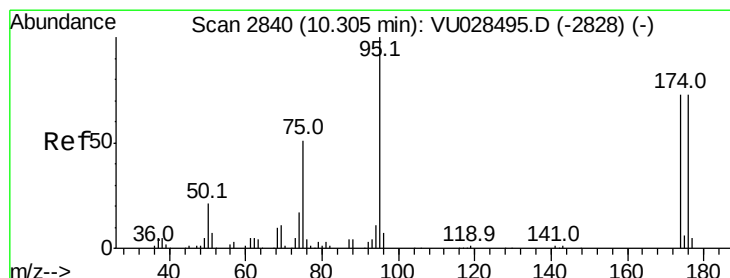
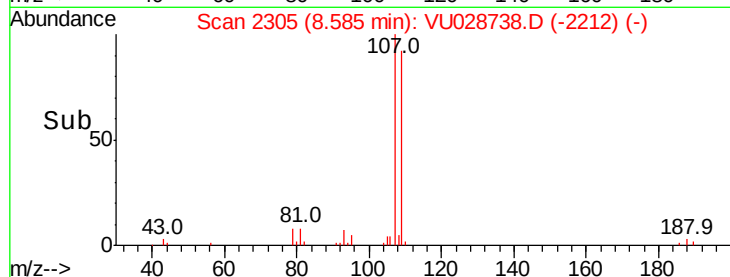
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 52.372 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

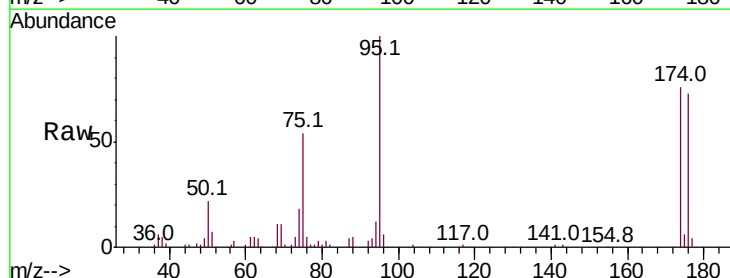
Tgt Ion: 95 Resp: 63629

Ion Ratio Lower Upper

95 100

174 76.7 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

50000

40000

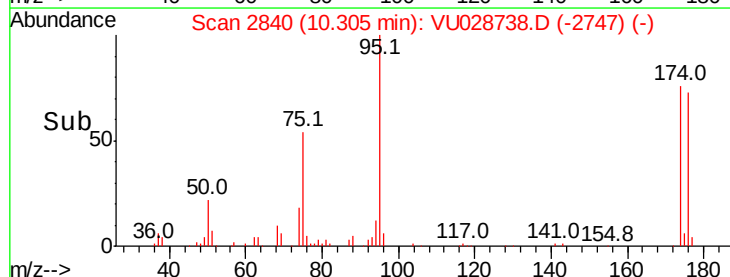
30000

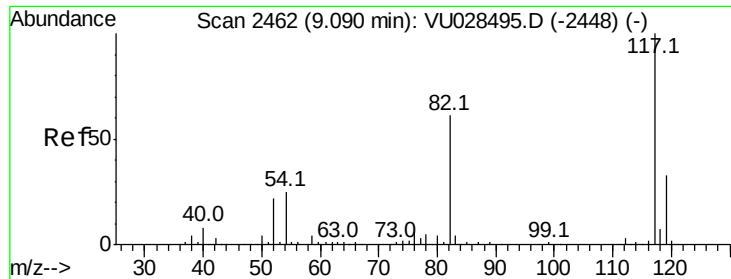
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

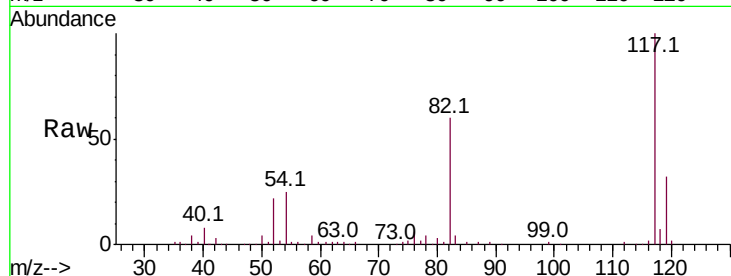




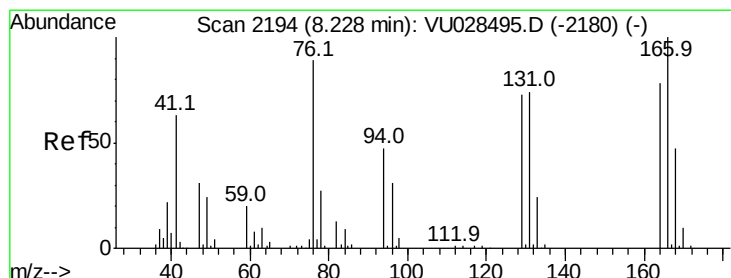
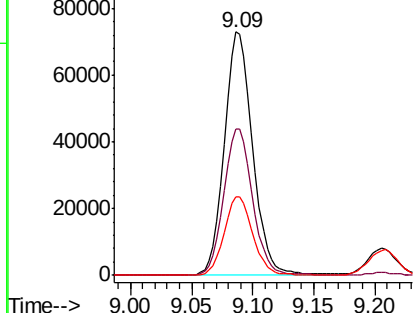
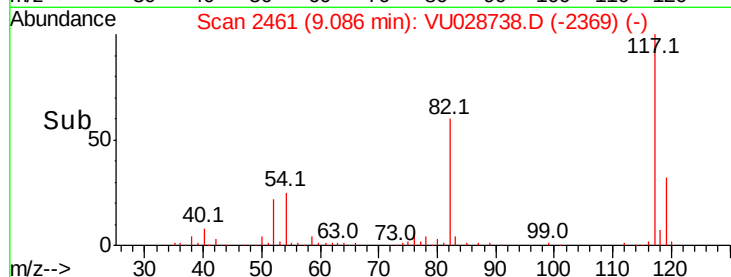
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 119119
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.4 26.2 39.4

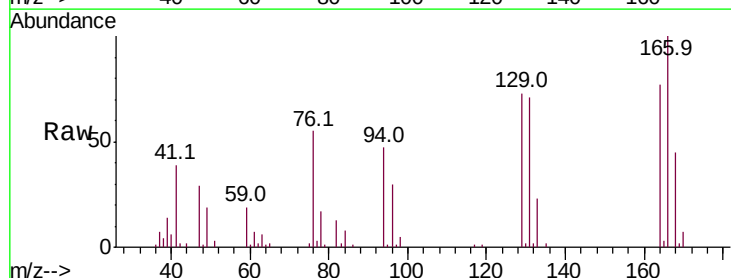


Abundance Ion 116.90 (116.60 to 117.60): V
100000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

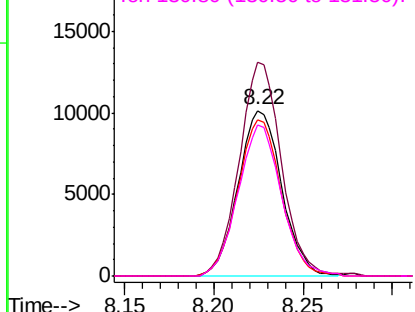
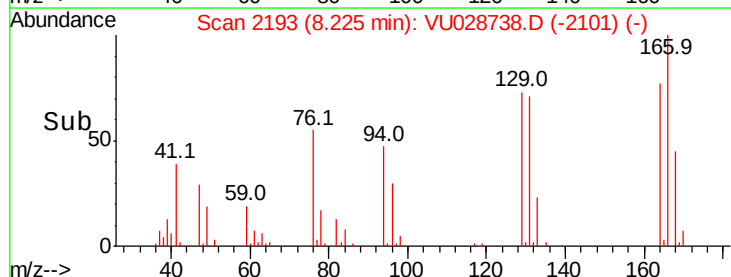


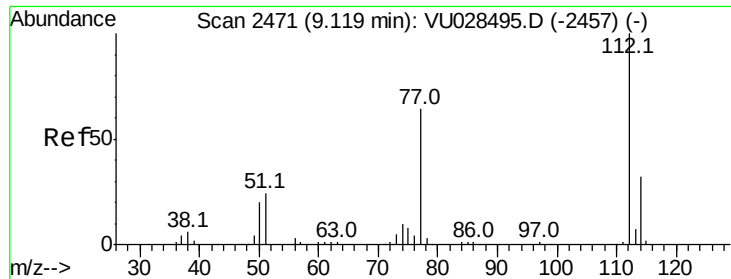
#64
Tetrachloroethene
Concen: 21.704 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:164 Resp: 17245
Ion Ratio Lower Upper
164 100
166 129.4 101.9 152.9
129 95.0 74.9 112.3
131 91.7 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
20000 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

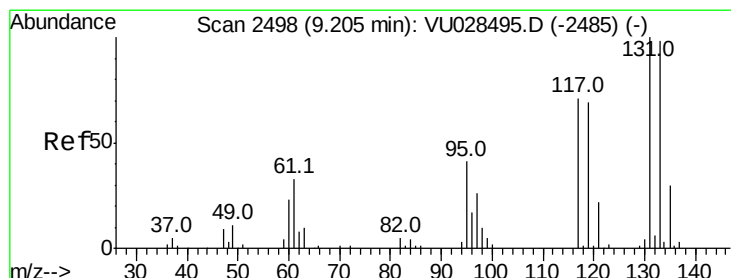
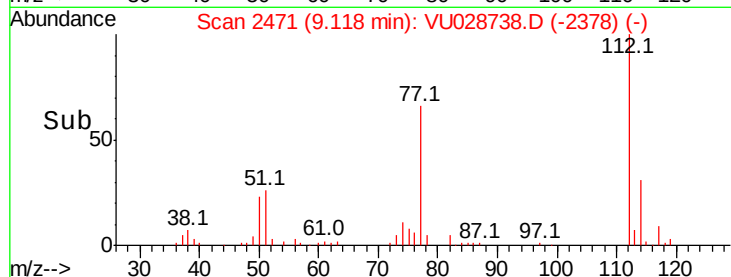
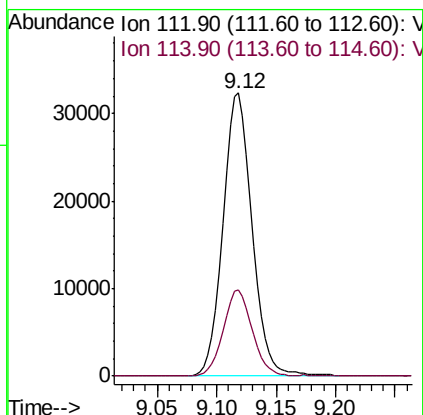
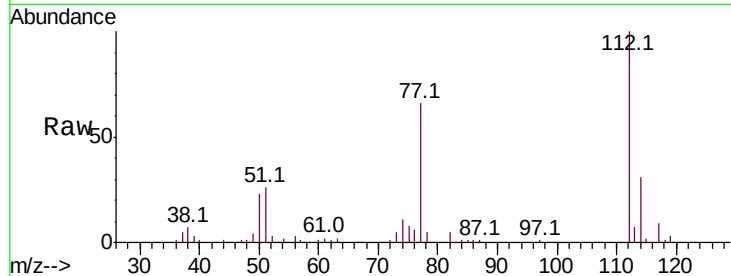




#65
Chlorobenzene
Concen: 21.575 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

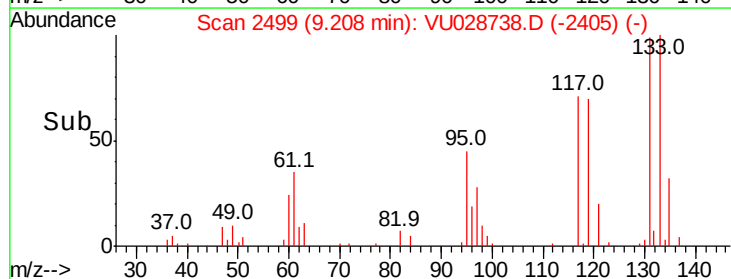
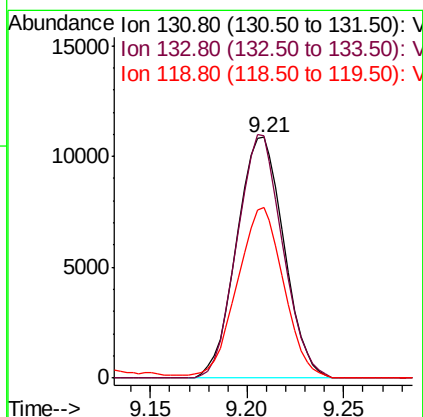
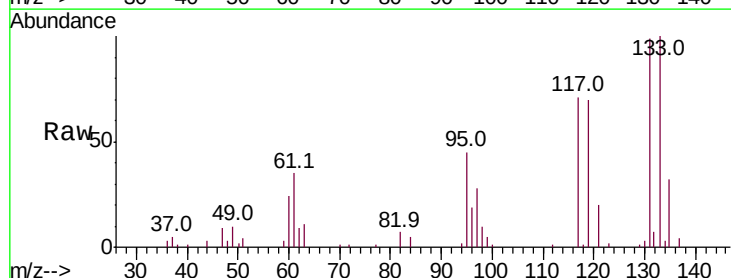
Instrument :
MSVOA_U
ClientSampleId :

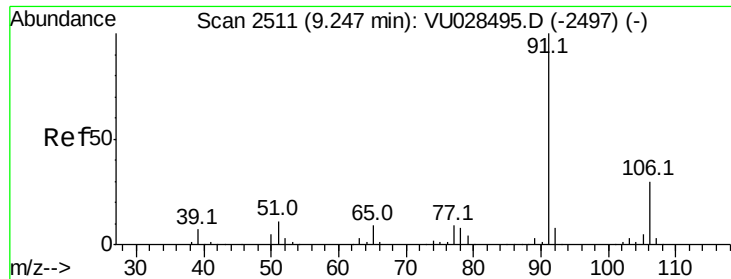
Tot Ion:112 Resp: 54763
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.771 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:131 Resp: 18457
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 70.1 34.6 103.9

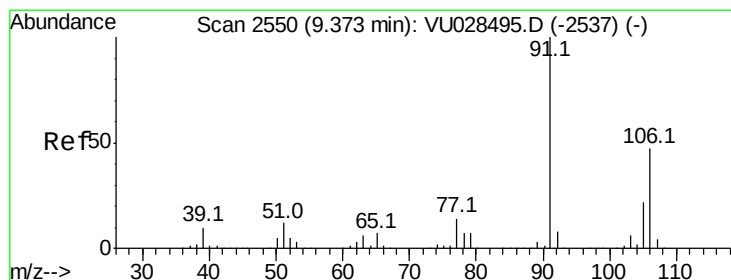
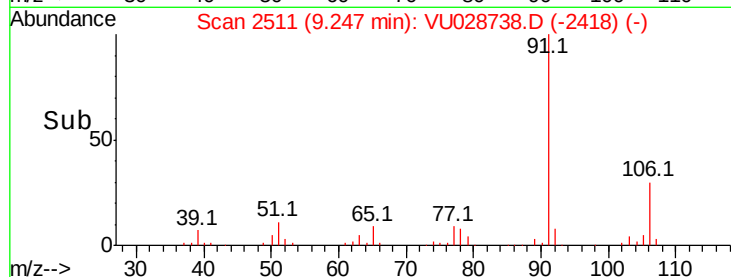
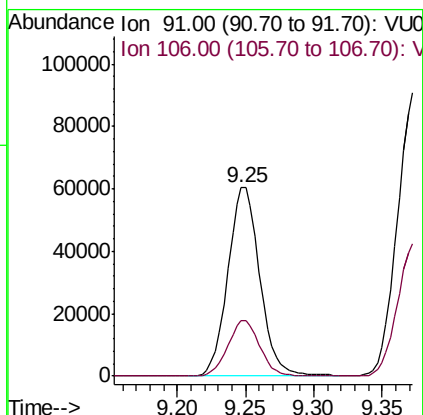
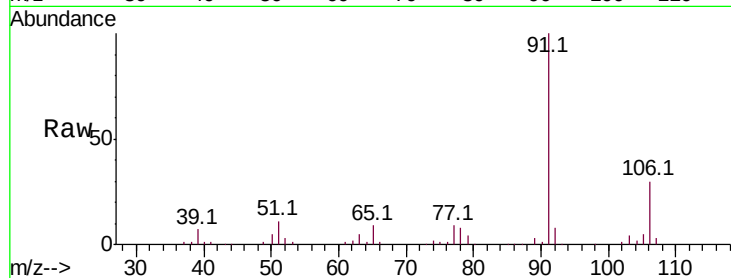




#67
Ethyl Benzene
Concen: 21.119 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

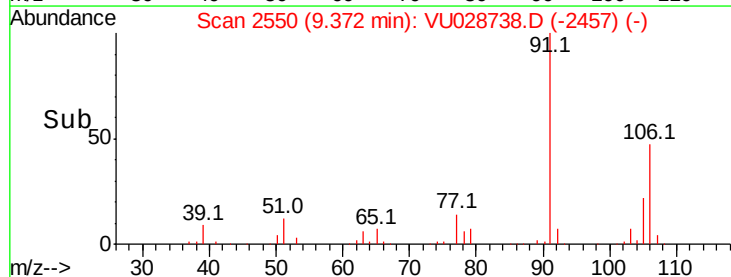
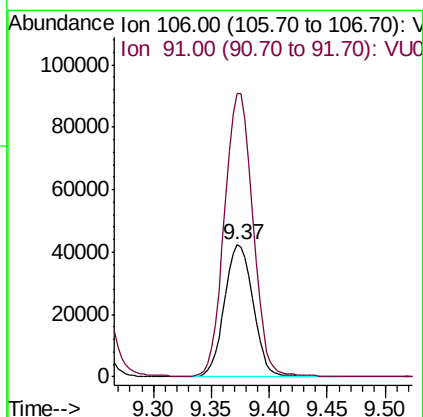
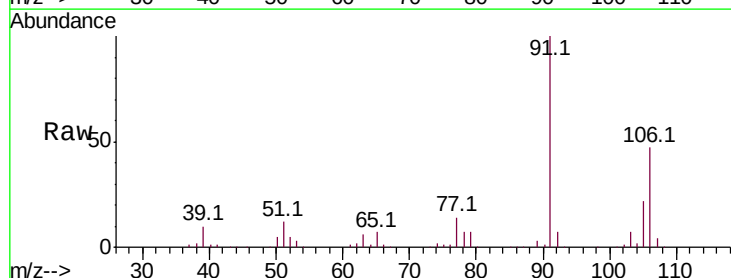
Instrument :
MSVOA_U
ClientSampled :

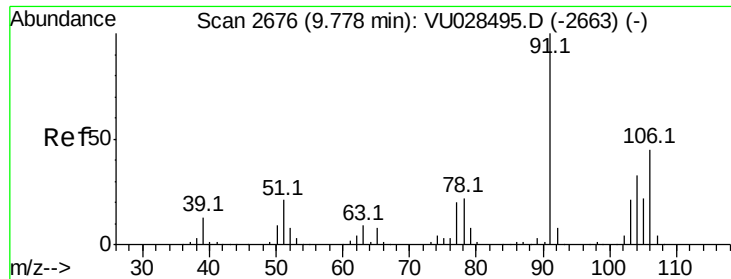
Tot Ion: 91 Resp: 98544
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 42.837 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:106 Resp: 72733
Ion Ratio Lower Upper
106 100
91 213.0 167.4 251.0

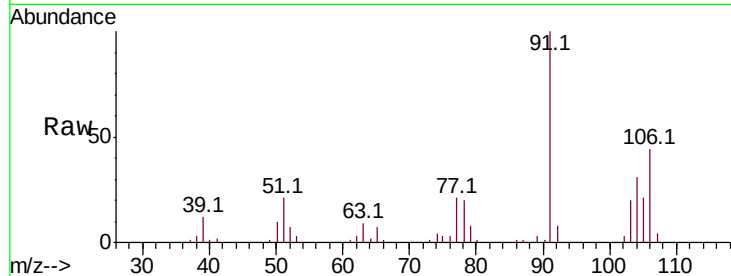




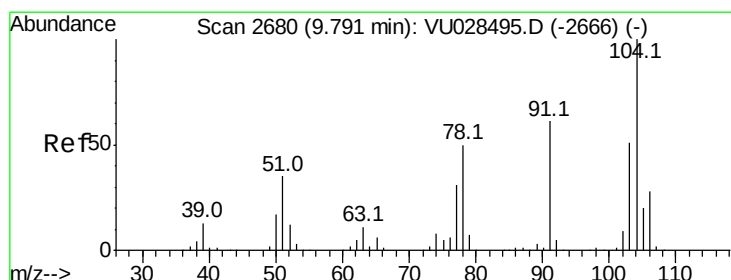
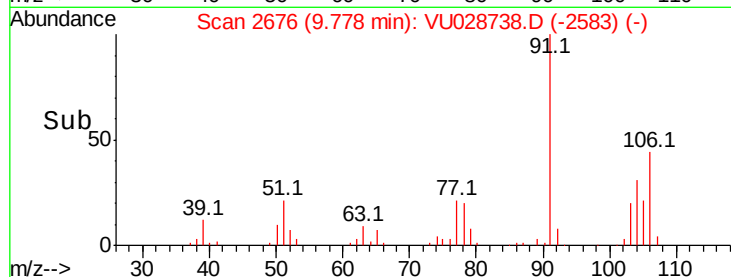
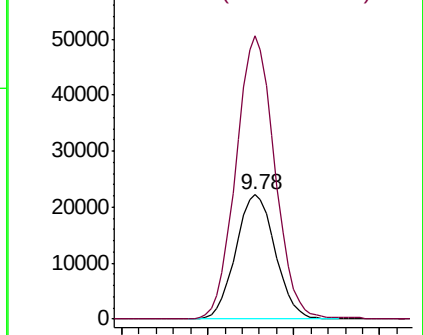
#69
o-Xylene
Concen: 21.387 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 35290
Ion Ratio Lower Upper
106 100
91 224.5 111.3 334.0

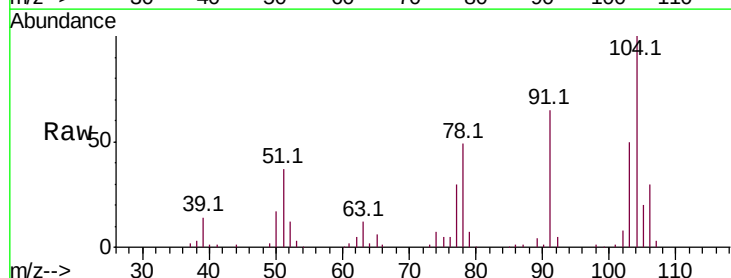


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

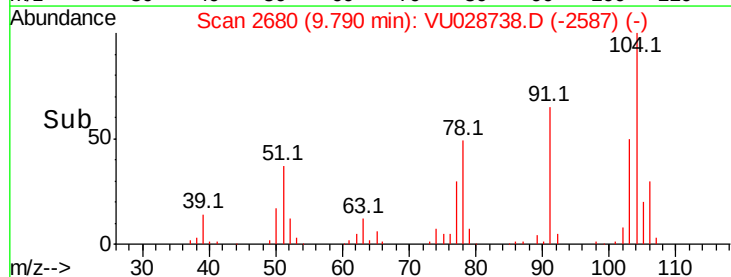
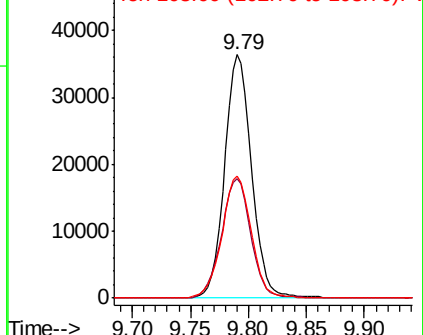


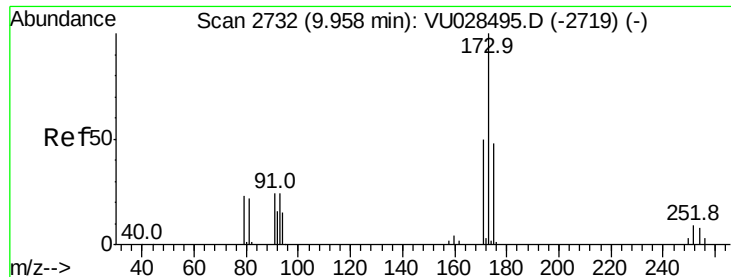
#70
Styrene
Concen: 21.492 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:104 Resp: 58688
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 54.6 44.2 66.4



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





#71

Bromoform

Concen: 22.956 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :

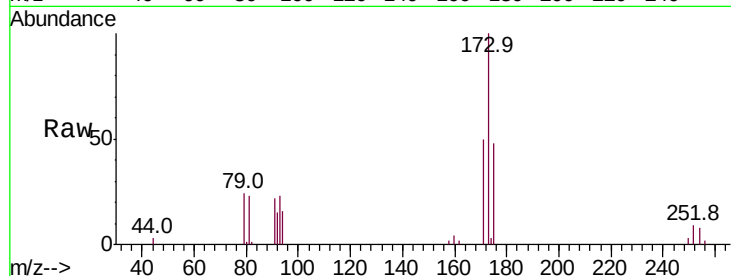
Tot Ion:173 Resp: 15829

Ion Ratio Lower Upper

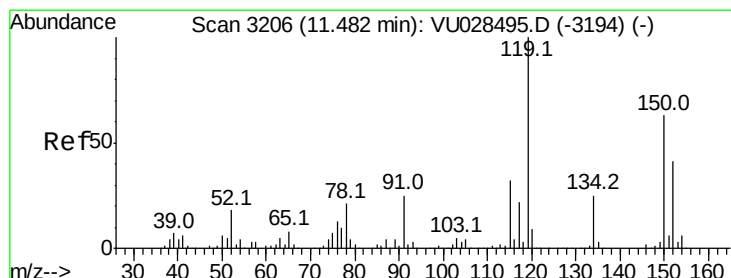
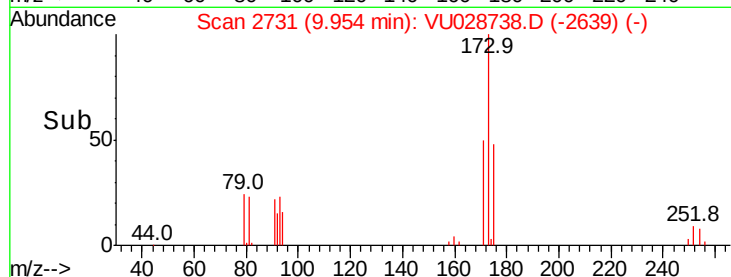
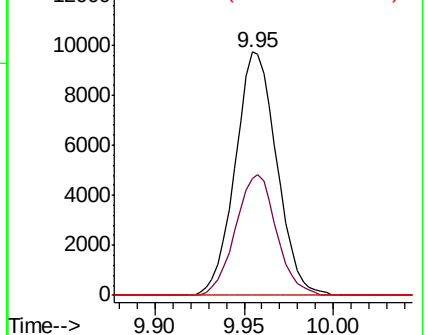
173 100

175 48.8 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: VU028738.D

Acq: 17 Dec 2018 23:09

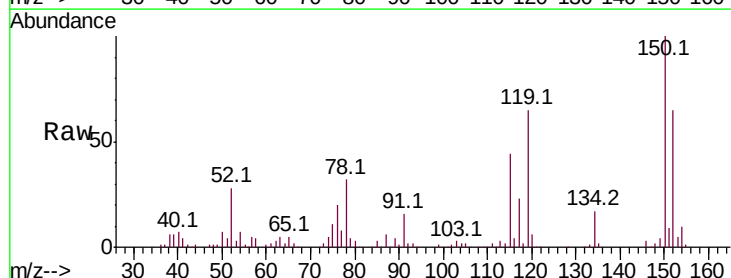
Tgt Ion:152 Resp: 57062

Ion Ratio Lower Upper

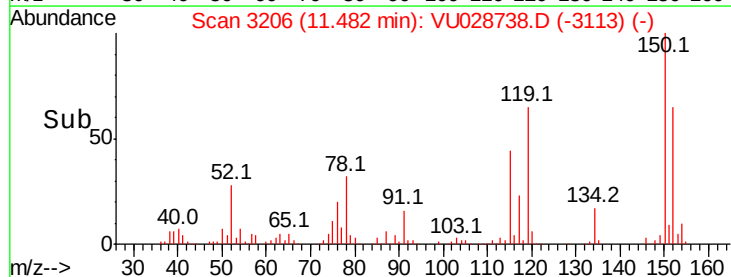
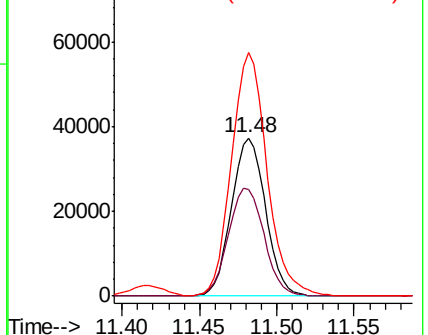
152 100

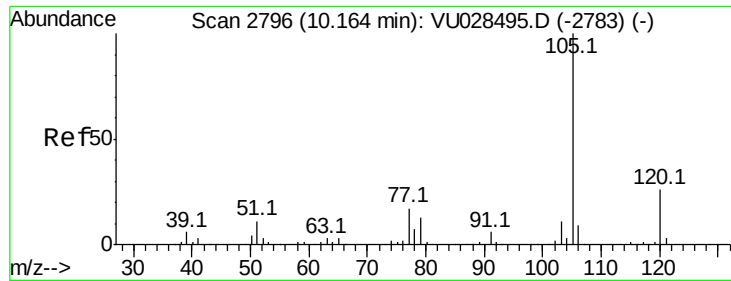
115 71.5 42.7 128.1

150 160.5 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: 21.283 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

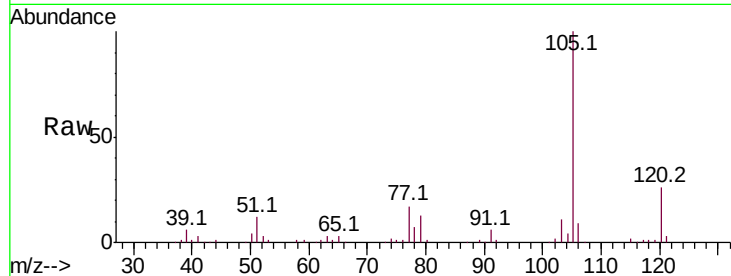
ClientSampleId :

Tot Ion:105 Resp: 93190

Ion Ratio Lower Upper

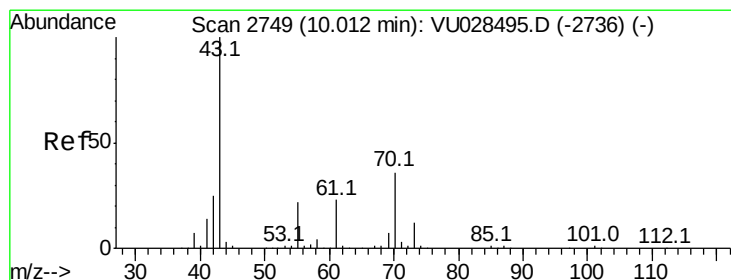
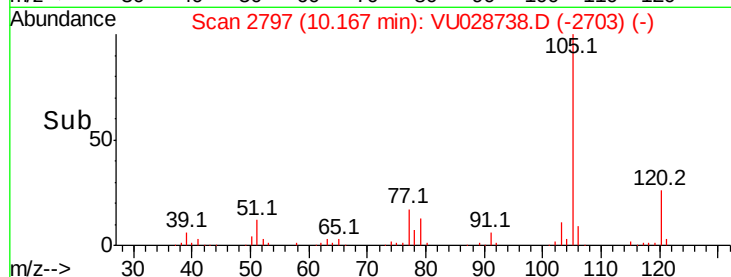
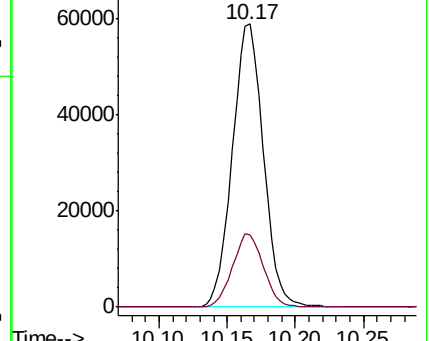
105 100

120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.226 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion: 43 Resp: 56137

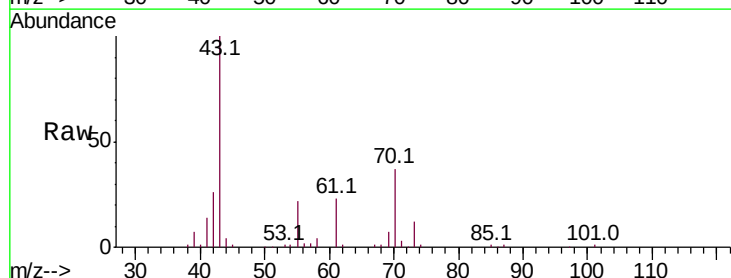
Ion Ratio Lower Upper

43 100

70 36.2 29.3 43.9

55 22.1 18.0 27.0

61 22.3 18.3 27.5

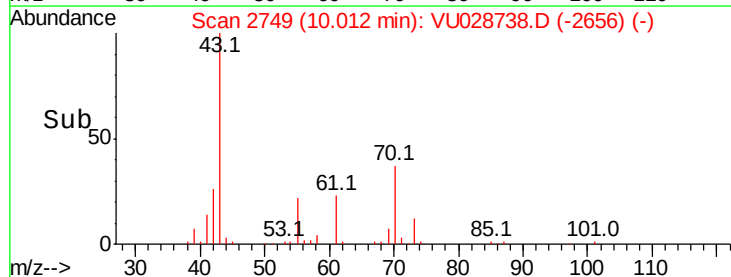
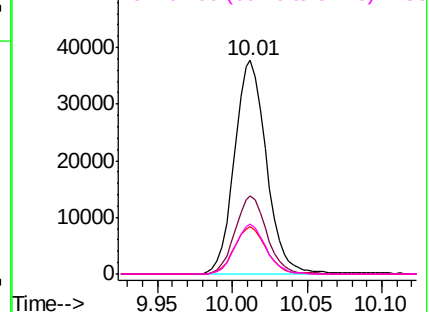


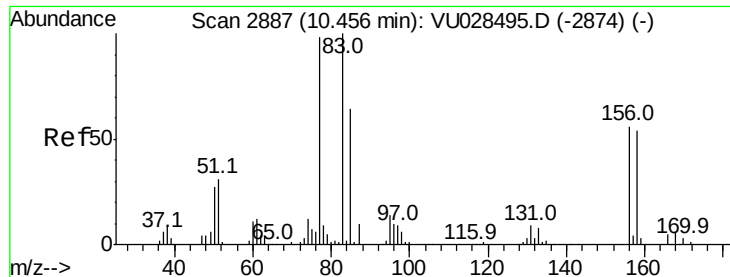
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.390 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampled :

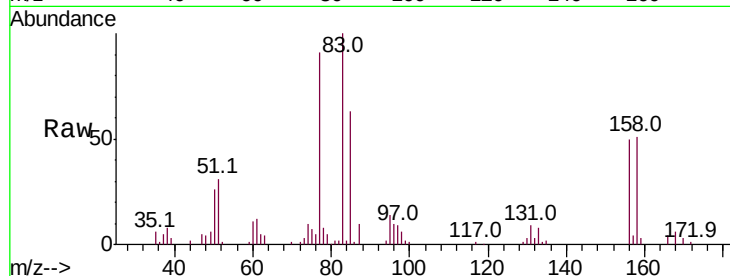
Tot Ion: 83 Resp: 39342

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

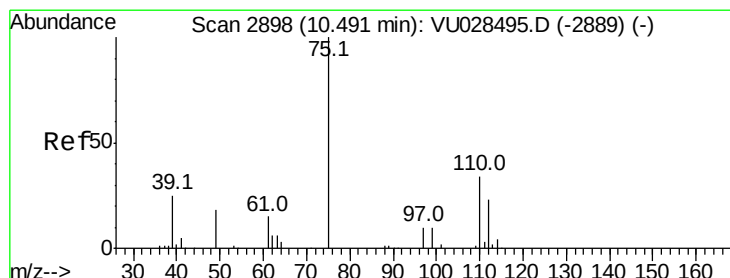
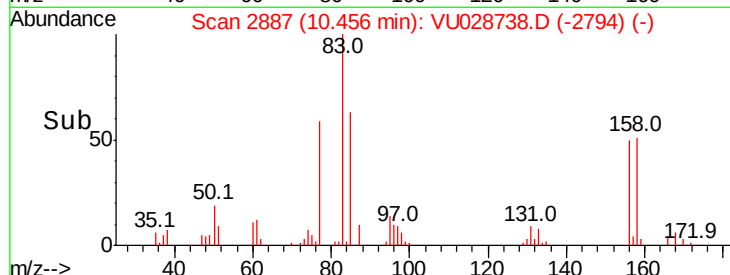
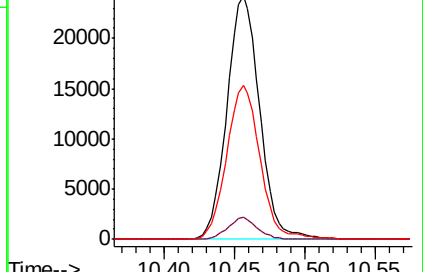
85 64.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 31.205 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028738.D

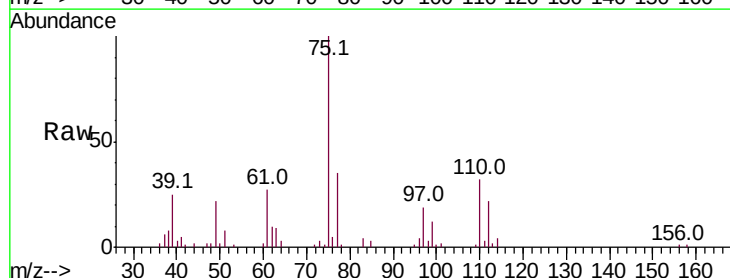
Acq: 17 Dec 2018 23:09

Tgt Ion: 75 Resp: 45469

Ion Ratio Lower Upper

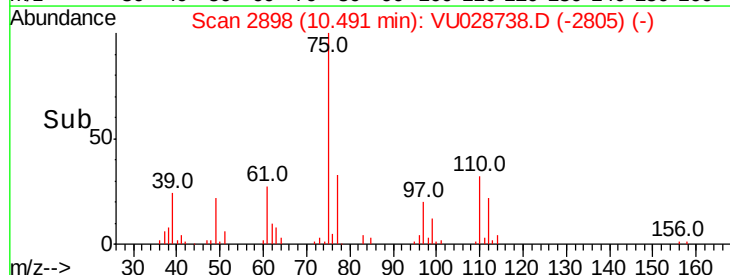
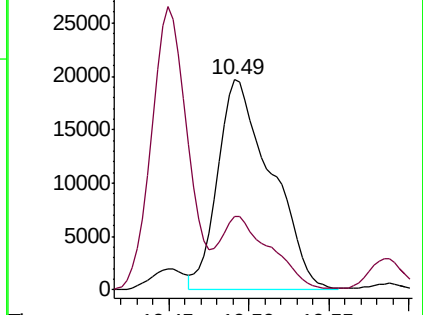
75 100

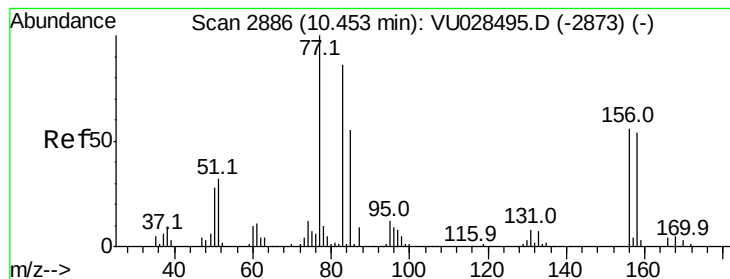
77 31.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)





#77

Bromobenzene

Concen: 21.814 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

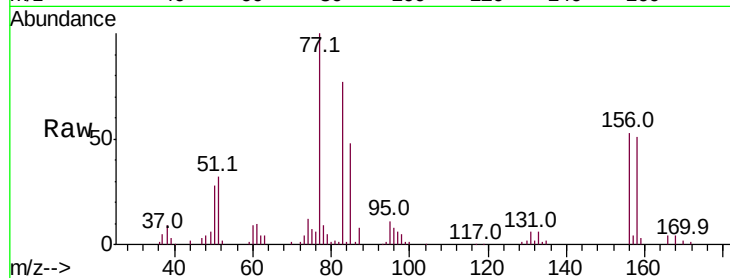
Tot Ion:156 Resp: 22338

Ion Ratio Lower Upper

156 100

77 186.4 92.4 277.2

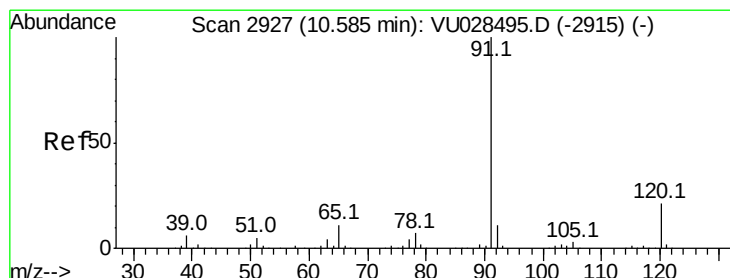
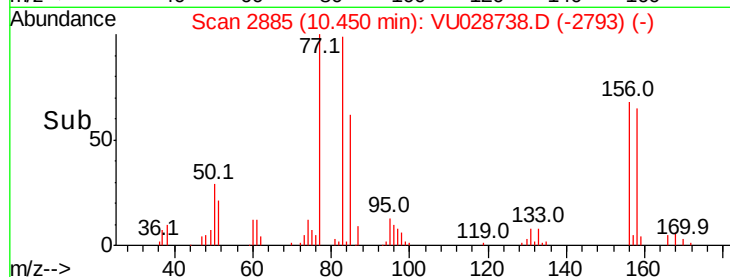
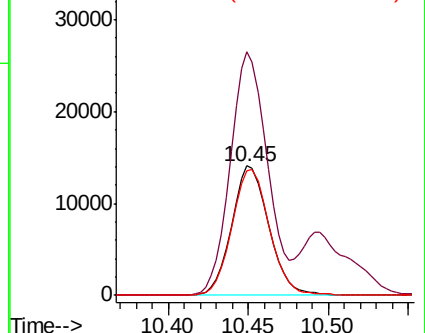
158 98.0 48.4 145.3



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: 20.996 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028738.D

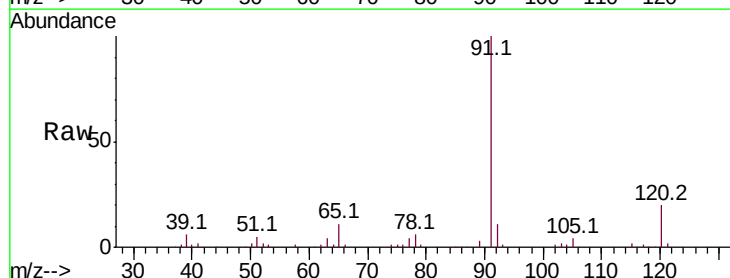
Acq: 17 Dec 2018 23:09

Tgt Ion: 91 Resp: 114235

Ion Ratio Lower Upper

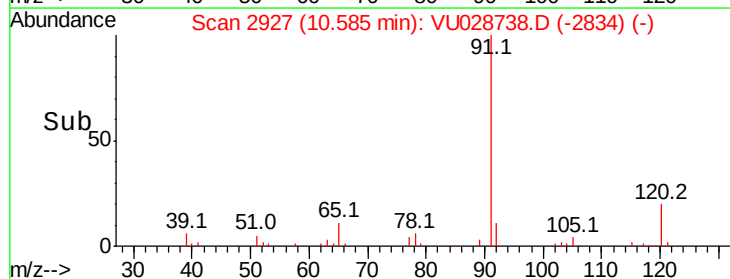
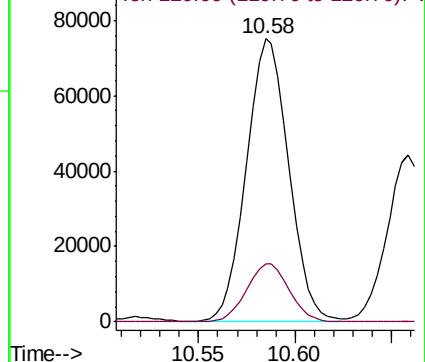
91 100

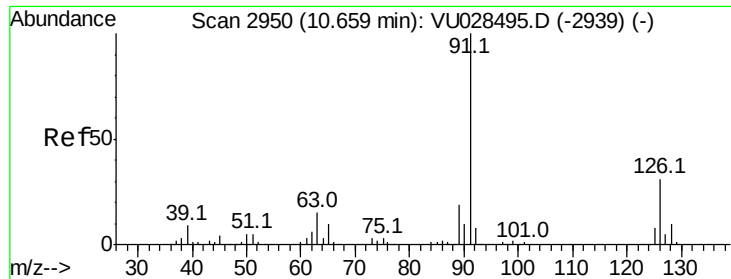
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

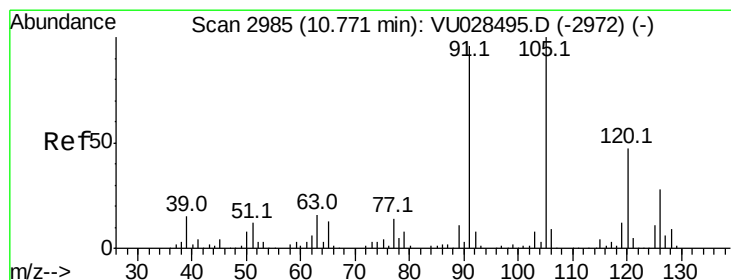
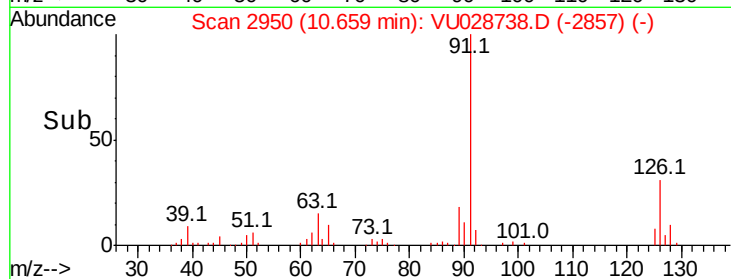
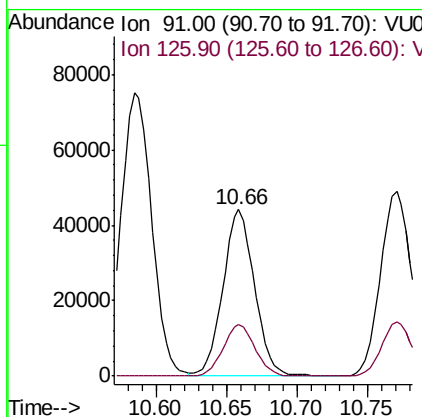
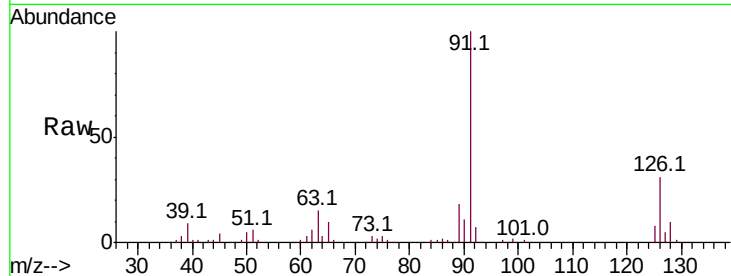




#79
 2-Chlorotoluene
 Concen: 21.839 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

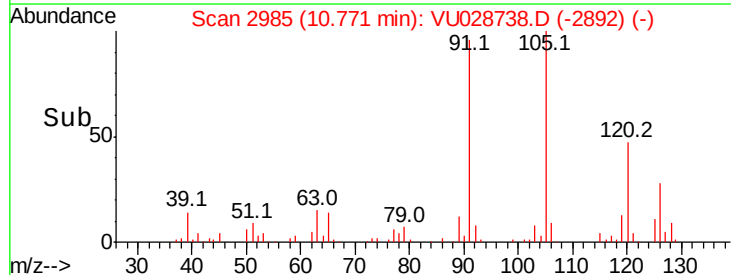
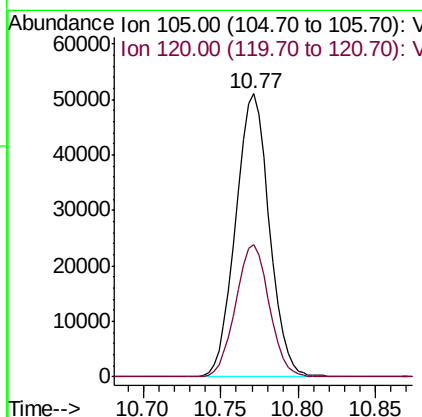
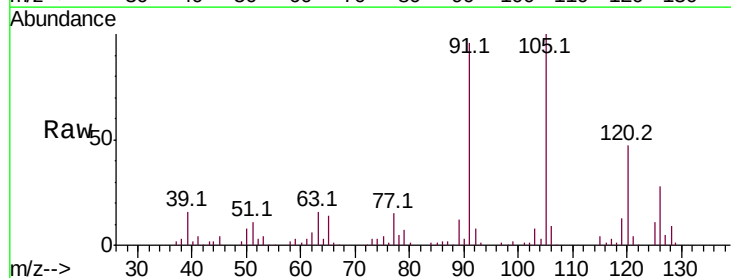
Instrument :
 MSVOA_U
 ClientSampled :

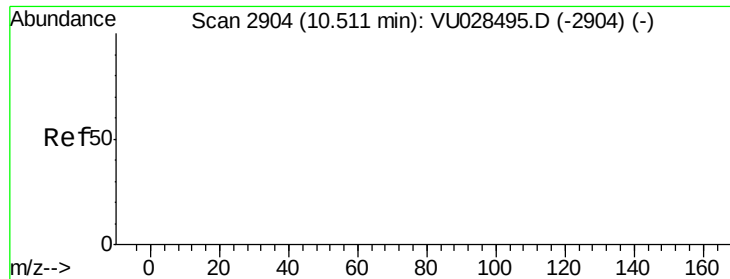
Tot Ion: 91 Resp: 68445
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.324 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion:105 Resp: 77286
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 76.444 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

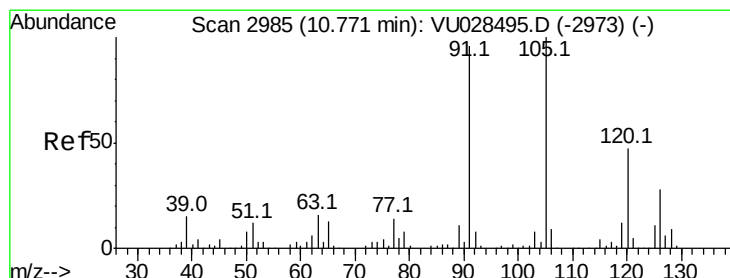
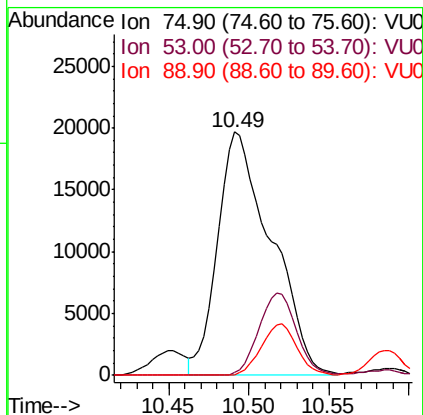
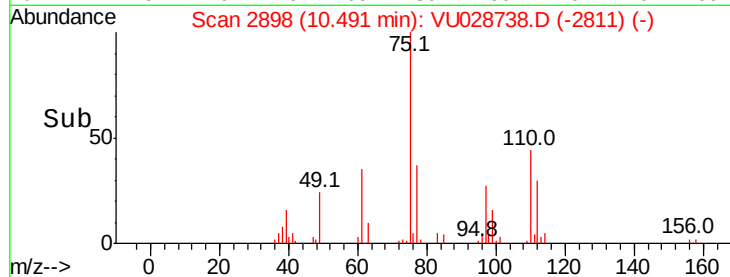
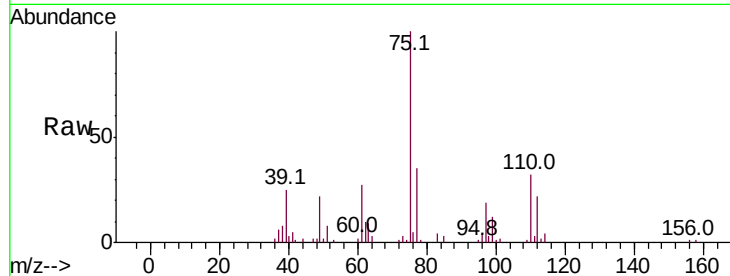
Tot Ion: 75 Resp: 45469

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.495 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028738.D

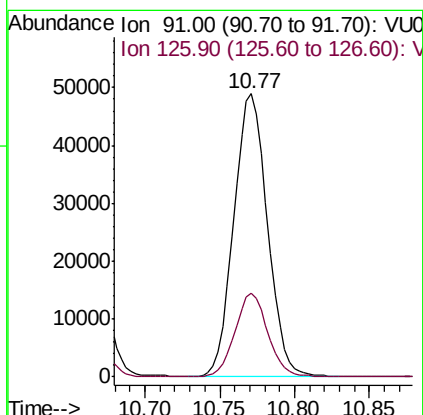
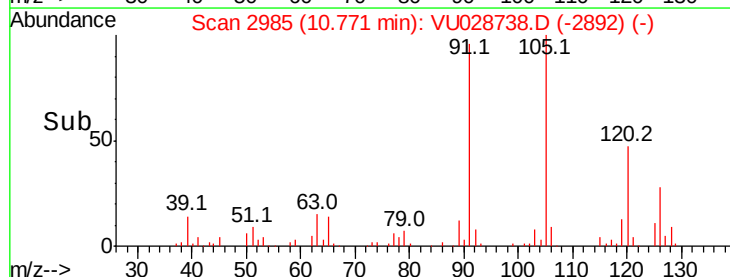
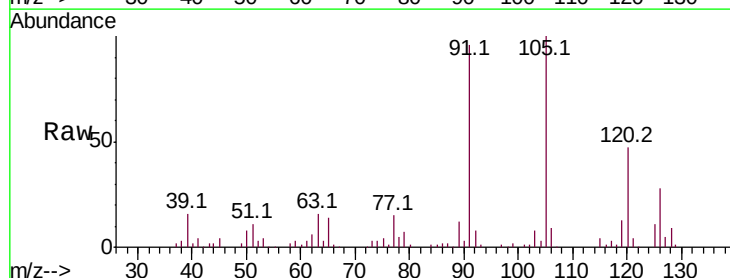
Acq: 17 Dec 2018 23:09

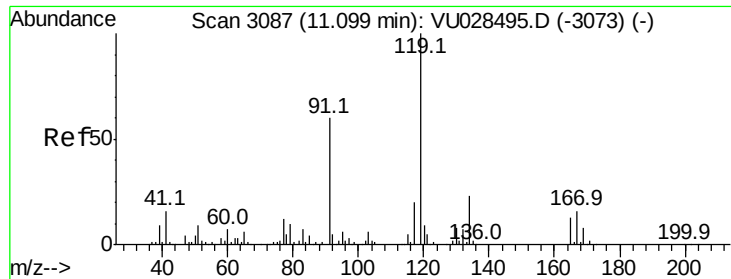
Tgt Ion: 91 Resp: 76116

Ion Ratio Lower Upper

91 100

126 28.9 14.1 42.3

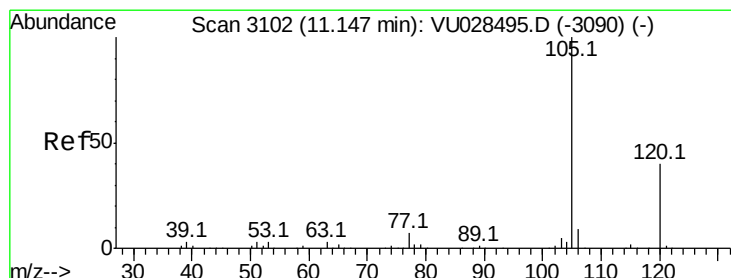
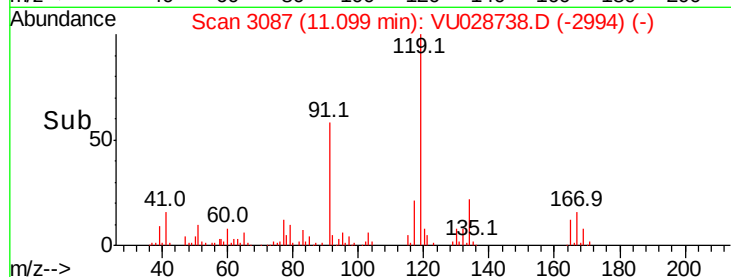
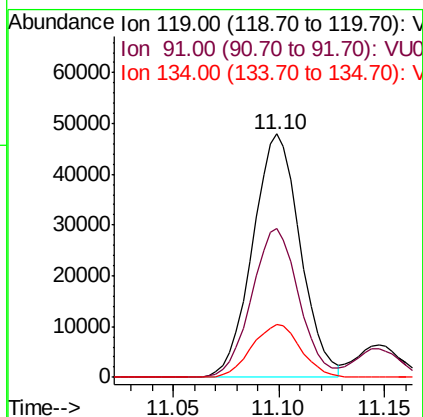
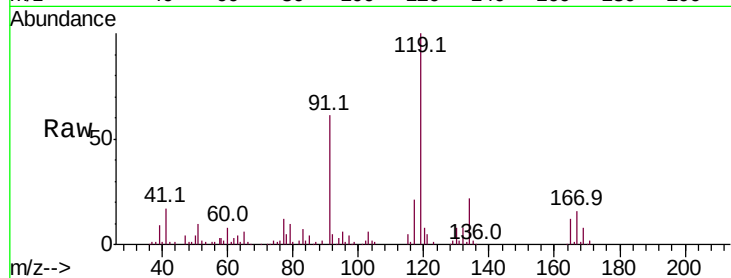




#83
tert-Butylbenzene
Concen: 21.559 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

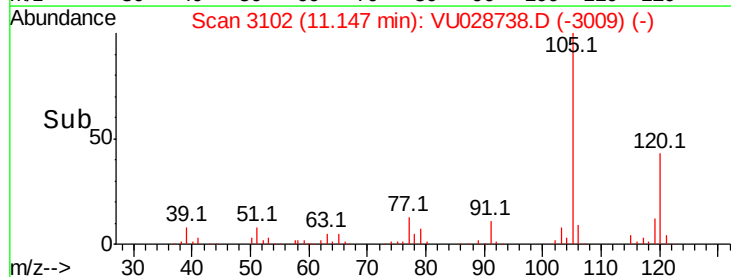
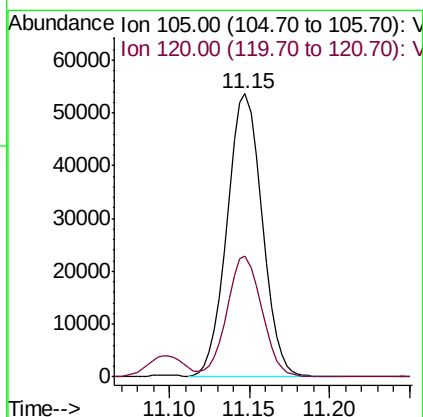
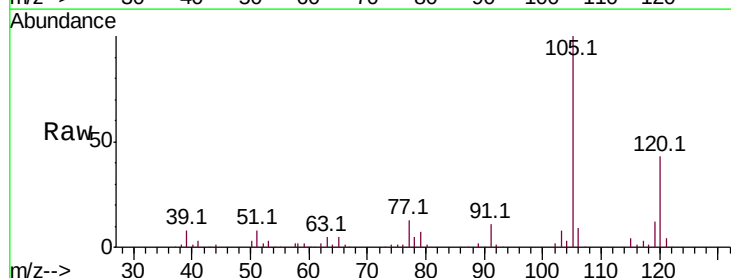
Instrument :
MSVOA_U
ClientSampled :

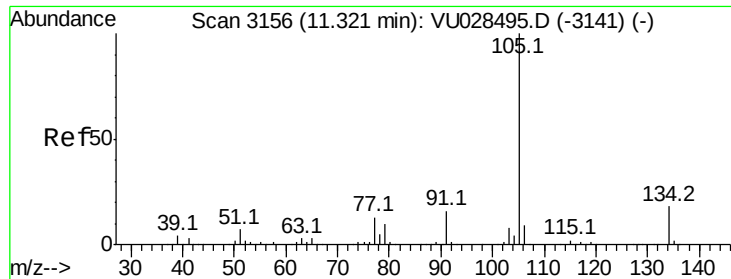
Tot Ion:119 Resp: 75316
Ion Ratio Lower Upper
119 100
91 60.6 30.3 91.0
134 22.2 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 21.446 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:105 Resp: 80106
Ion Ratio Lower Upper
105 100
120 42.3 21.8 65.4





#85

sec-Butylbenzene

Concen: 20.995 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

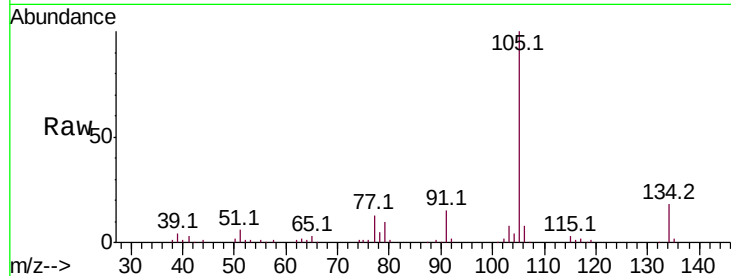
ClientSampleId :

Tot Ion:105 Resp: 94227

Ion Ratio Lower Upper

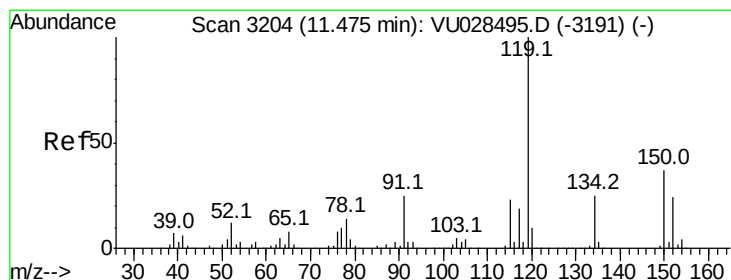
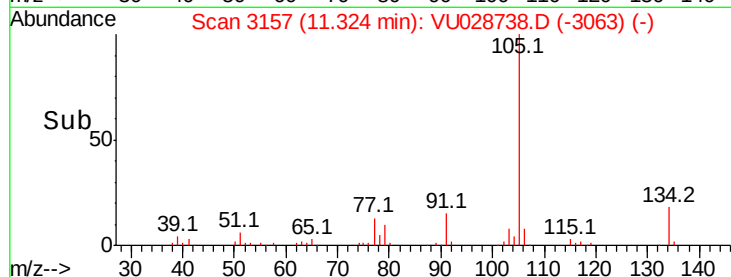
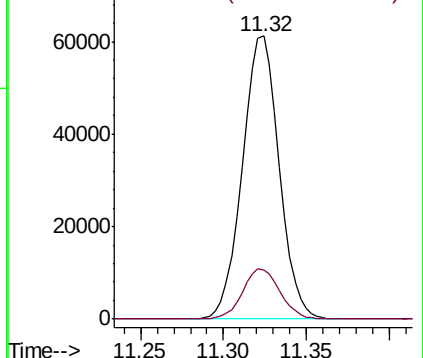
105 100

134 18.0 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.159 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

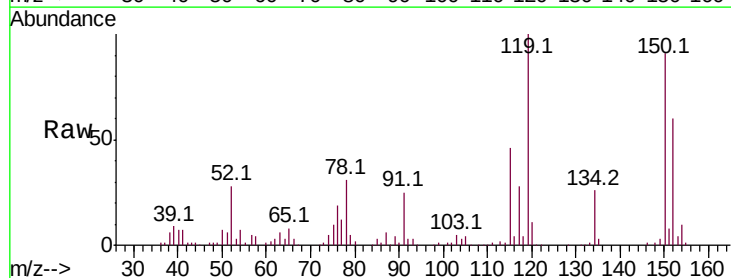
Tgt Ion:119 Resp: 76853

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

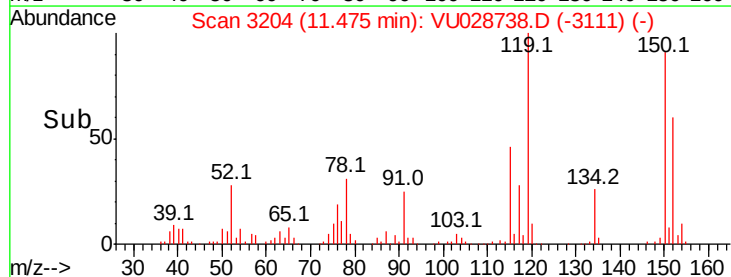
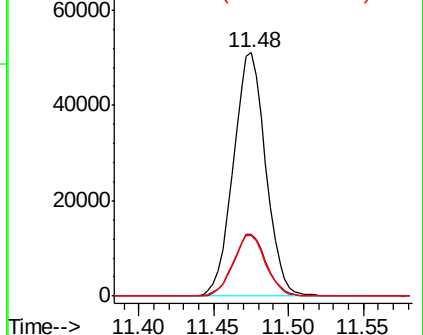
91 25.3 12.6 37.6

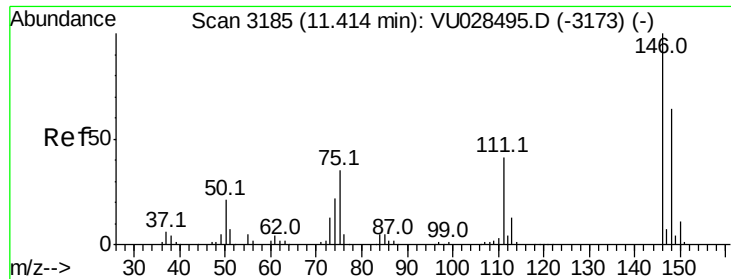


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 20.361 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

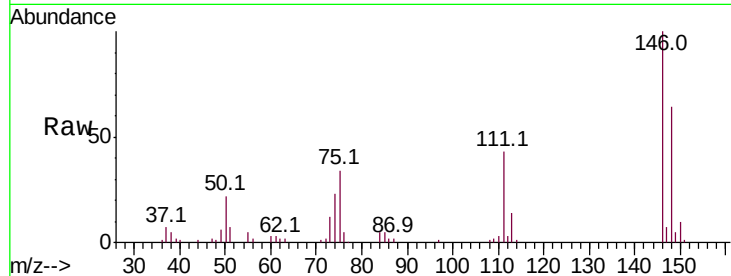
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 39371

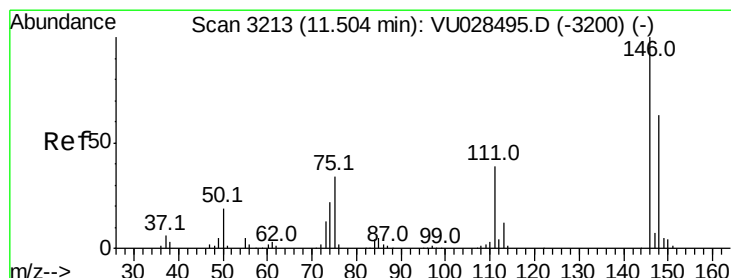
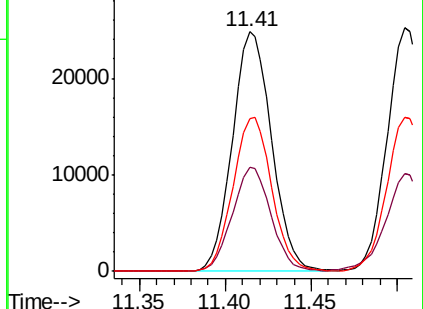
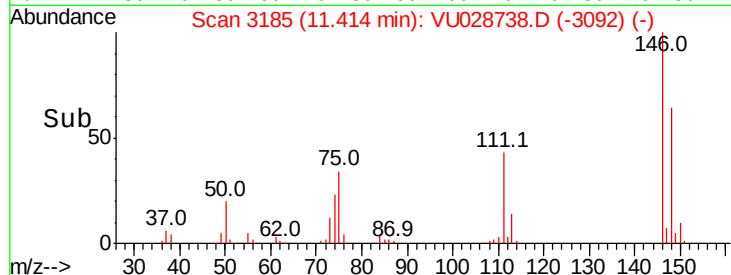
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.7	62.1
148	63.4	31.9	95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.091 ug/l

RT: 11.50 min Scan# 3213

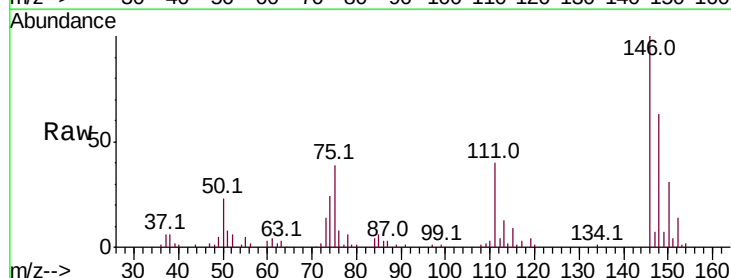
Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Tgt Ion:146 Resp: 40193

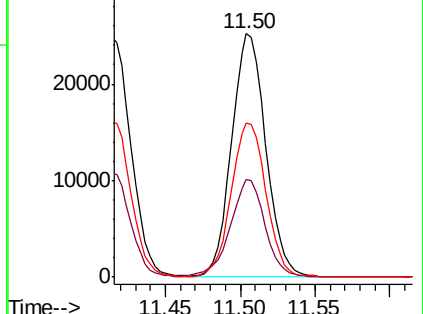
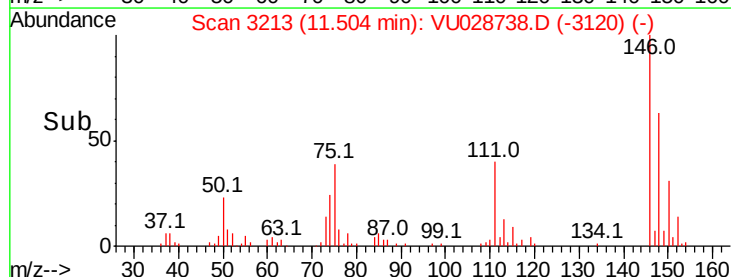
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.5
148	64.4	31.6	95.0

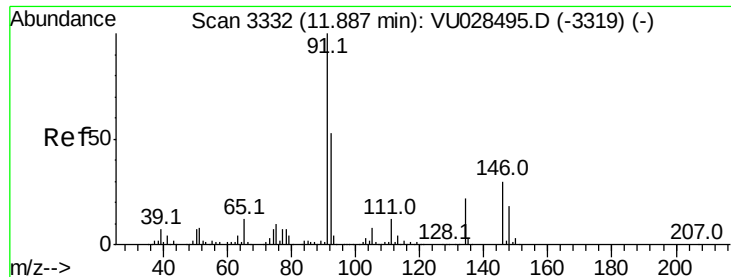


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.834 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampled :

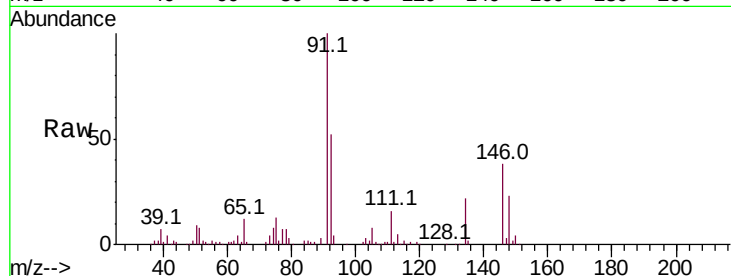
Tot Ion: 91 Resp: 72667

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	22.1	11.3	33.8

91 100

92 52.5 26.3 78.9

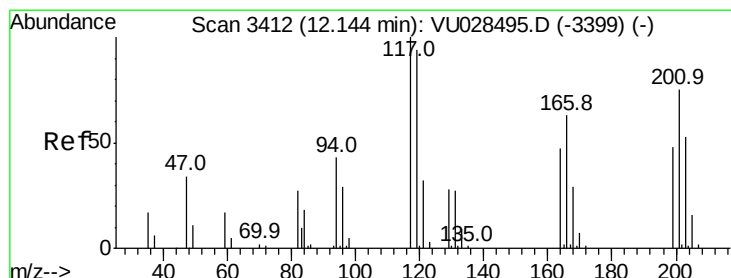
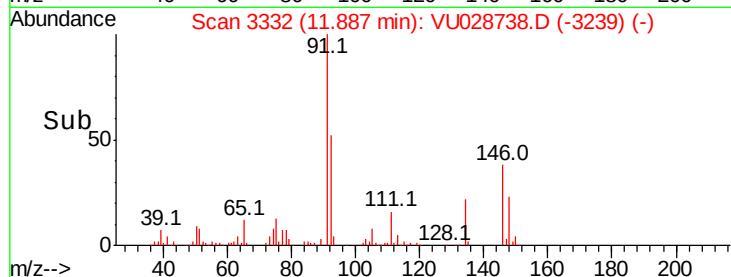
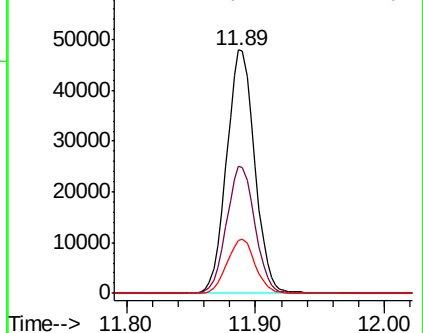
134 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.043 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028738.D

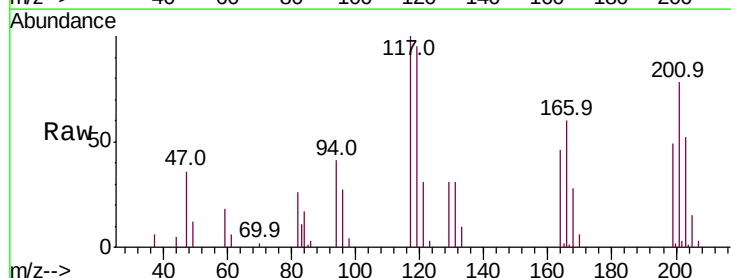
Acq: 17 Dec 2018 23:09

Tgt Ion: 117 Resp: 13278

Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.1	114.5

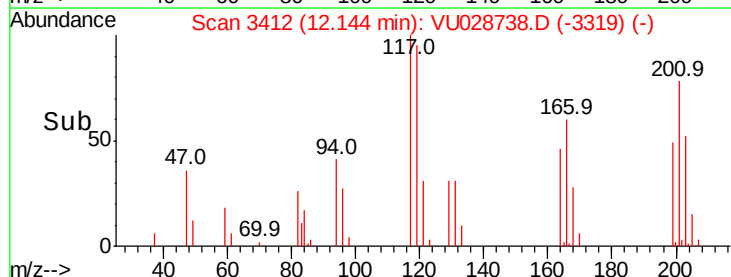
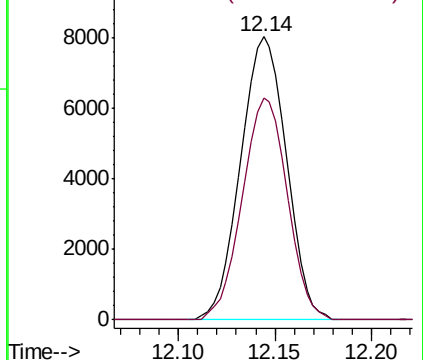
117 100

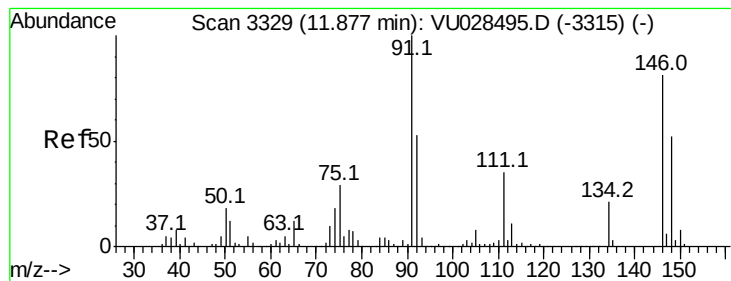
201 76.9 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.062 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

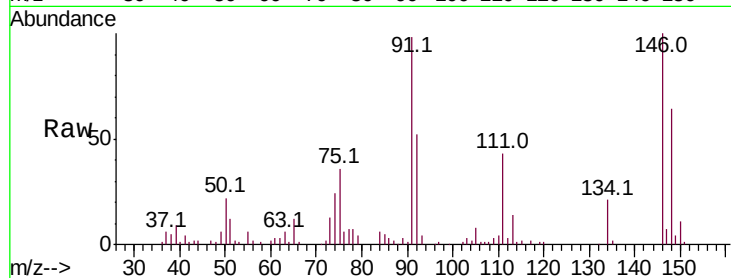
Tot Ion:146 Resp: 40737

Ion Ratio Lower Upper

146 100

111 42.4 21.1 63.4

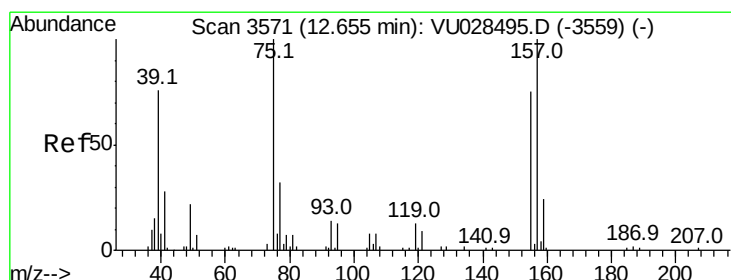
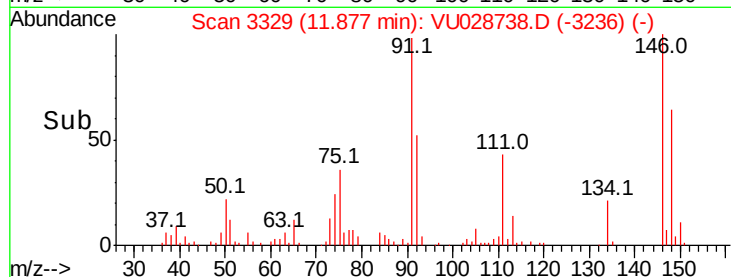
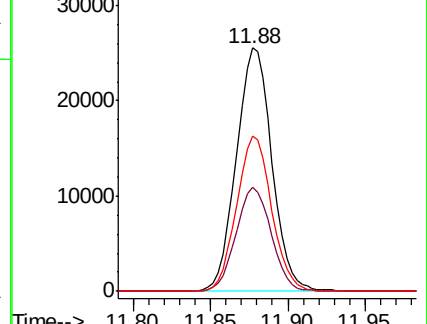
148 62.4 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.417 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028738.D

Acq: 17 Dec 2018 23:09

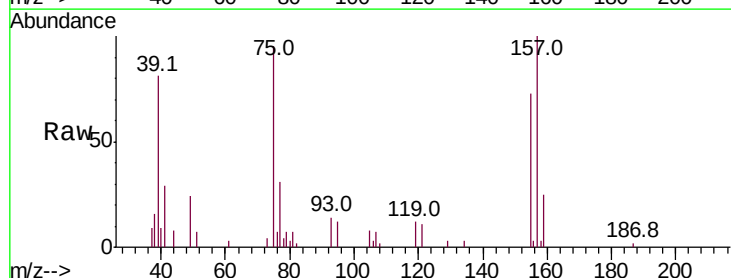
Tgt Ion: 75 Resp: 8163

Ion Ratio Lower Upper

75 100

155 73.9 38.1 114.5

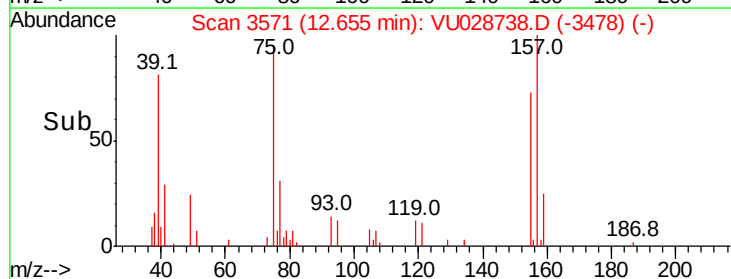
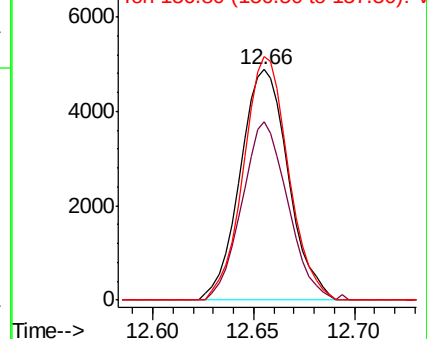
157 98.8 48.7 146.1

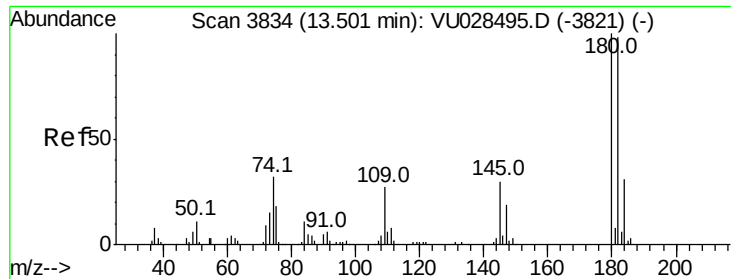


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

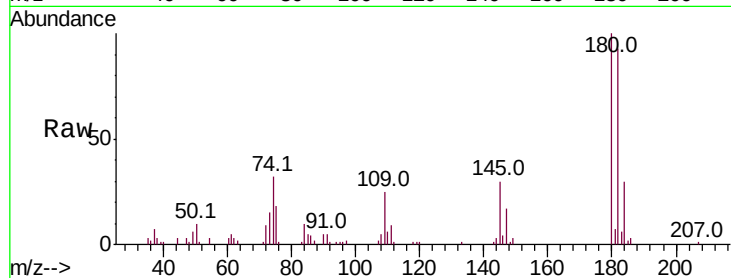




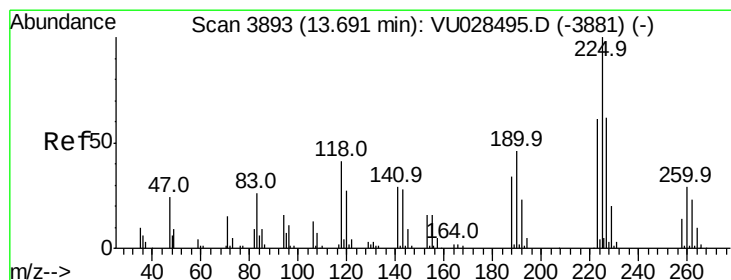
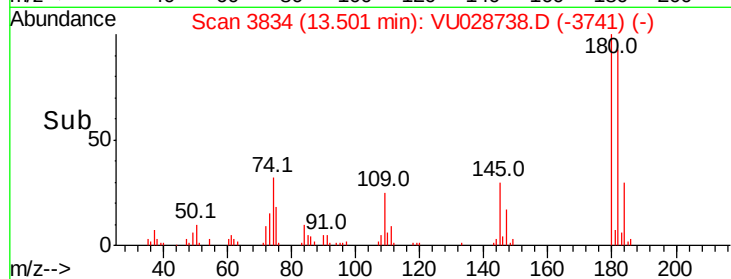
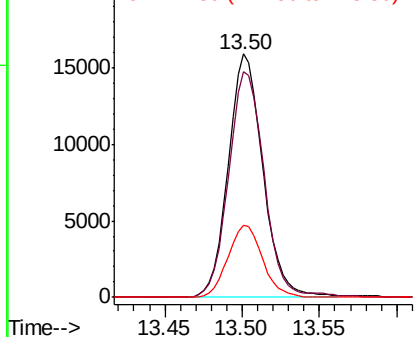
#93
 1,2,4-Trichlorobenzene
 Concen: 19.080 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 24654
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 29.6 15.0 45.1

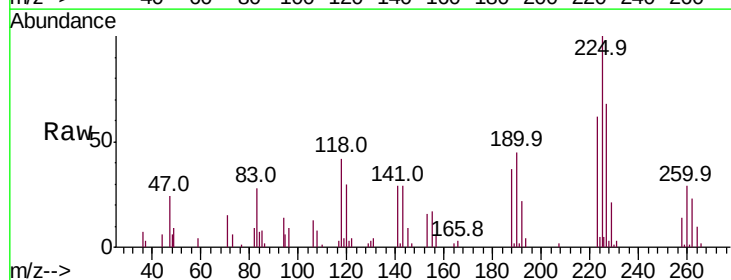


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

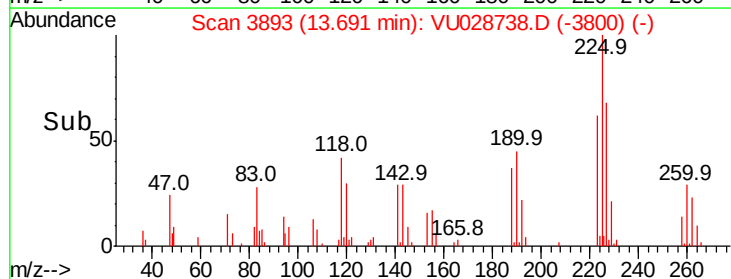
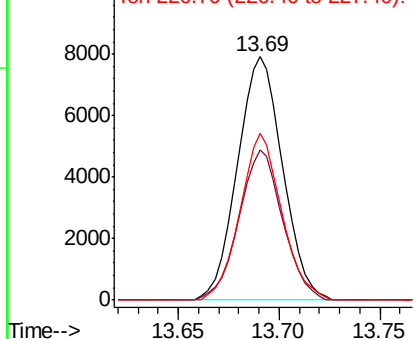


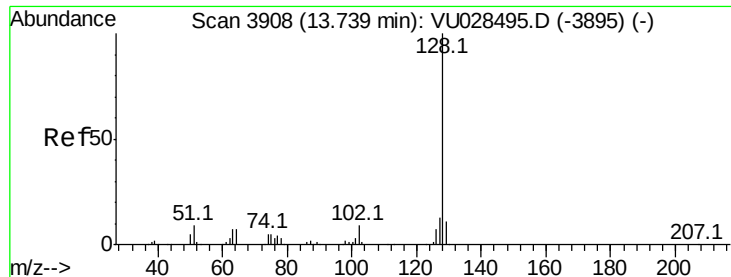
#94
 Hexachlorobutadiene
 Concen: 19.557 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028738.D
 Acq: 17 Dec 2018 23:09

Tgt Ion:225 Resp: 12391
 Ion Ratio Lower Upper
 225 100
 223 59.6 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

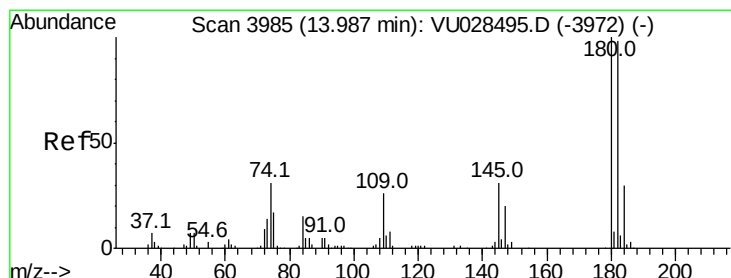
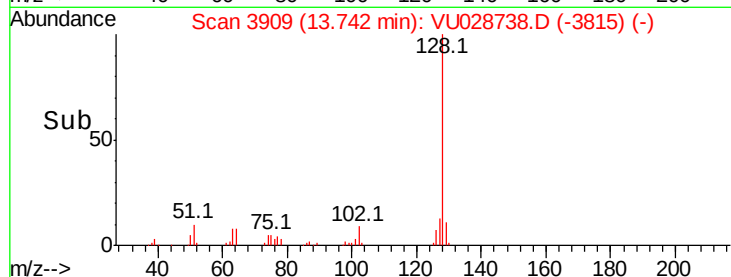
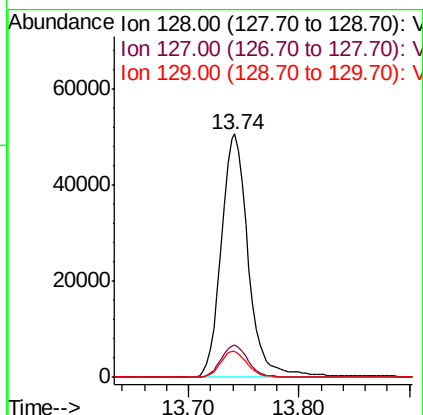
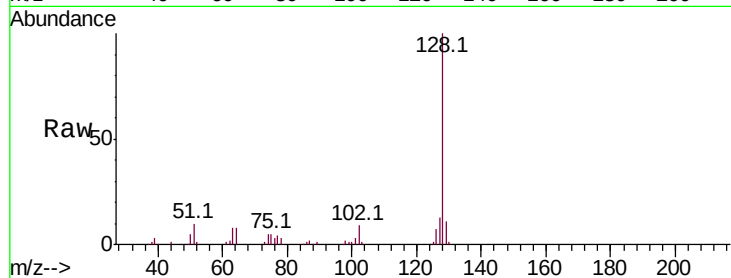




#95
Naphthalene
Concen: 18.538 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 86040
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.134 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028738.D
Acq: 17 Dec 2018 23:09

Tgt Ion:180 Resp: 26517
Ion Ratio Lower Upper
180 100
182 93.4 48.2 144.6
145 30.5 15.8 47.3

