

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028739.D
 Acq On : 17 Dec 2018 23:33
 Operator : MD/SY
 Sample : VU1217WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:13:18 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	74586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	132118	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	122121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56066	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	60500	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
35) Dibromofluoromethane	4.88	113	44938	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
50) Toluene-d8	7.57	98	171124	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	10.30	95	61401	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20279	20.285	ug/l	99
3) Chloromethane	1.33	50	34734	18.898	ug/l	99
4) Vinyl Chloride	1.40	62	27027	20.376	ug/l	100
5) Bromomethane	1.61	94	11291	21.132	ug/l	95
6) Chloroethane	1.69	64	15502	20.644	ug/l	97
7) Trichlorofluoromethane	1.88	101	28136	20.162	ug/l	98
8) Diethyl Ether	2.10	74	12731	19.499	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	17390	20.836	ug/l	97
10) Methyl Iodide	2.41	142	18072	27.596	ug/l	99
11) Tert butyl alcohol	2.83	59	28483	112.318	ug/l	98
12) 1,1-Dichloroethene	2.28	96	17412	20.968	ug/l	99
13) Acrolein	2.19	56	20380	100.810	ug/l	100
14) Allyl chloride	2.59	41	39604	20.160	ug/l	99
15) Acrylonitrile	2.94	53	77661	110.305	ug/l	100
16) Acetone	2.32	43	62082	83.584	ug/l	100
17) Carbon Disulfide	2.48	76	57882	19.348	ug/l	99
18) Methyl Acetate	2.62	43	46872	24.344	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	67359	21.397	ug/l	100
20) Methylene Chloride	2.70	84	21511	19.646	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	19274	20.614	ug/l	98
22) Diisopropyl ether	3.57	45	84150	22.027	ug/l	97
23) Vinyl Acetate	3.52	43	334022	105.999	ug/l	99
24) 1,1-Dichloroethane	3.44	63	42044	21.024	ug/l	98
25) 2-Butanone	4.26	43	104400	102.853	ug/l	100
26) 2,2-Dichloropropane	4.23	77	28324	17.875	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	21570	20.382	ug/l	99
28) Bromochloromethane	4.55	49	20391	22.430	ug/l	97
29) Tetrahydrofuran	4.64	42	74175	113.783	ug/l	97
30) Chloroform	4.67	83	37434	21.478	ug/l	96
31) Cyclohexane	4.99	56	41430	20.524	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	30863	21.321	ug/l	97
36) 1,1-Dichloropropene	5.13	75	28386	19.634	ug/l	98
37) Ethyl Acetate	4.38	43	38991	20.863	ug/l	99
38) Carbon Tetrachloride	5.13	117	24050	20.639	ug/l	99

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Quant Time: Dec 18 03:13:18 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	32739	18.562	ug/l	98
40) Benzene	5.39	78	89328	20.979	ug/l	96
41) Methacrylonitrile	4.54	41	22253	21.742	ug/l	98
42) 1,2-Dichloroethane	5.40	62	31346	21.031	ug/l	99
43) Isopropyl Acetate	5.55	43	65067	22.011	ug/l	99
44) Trichloroethene	6.19	130	19406	20.497	ug/l	98
45) 1,2-Dichloropropane	6.43	63	26170	21.856	ug/l	97
46) Dibromomethane	6.56	93	15218	21.420	ug/l	97
47) Bromodichloromethane	6.76	83	29473	21.319	ug/l	98
48) Methyl methacrylate	6.62	41	31944	21.730	ug/l	98
49) 1,4-Dioxane	6.61	88	10059	433.356	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	203659	109.234	ug/l	99
52) Toluene	7.64	92	52362	20.895	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	33071	20.085	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	36384	20.368	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	21512	21.716	ug/l	97
56) Ethyl methacrylate	8.02	69	35320	20.821	ug/l	99
57) 1,3-Dichloropropane	8.24	76	38399	20.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	91019	104.757	ug/l	100
59) 2-Hexanone	8.36	43	155183	105.012	ug/l	99
60) Dibromochloromethane	8.48	129	20718	21.362	ug/l	98
61) 1,2-Dibromoethane	8.58	107	22069	21.245	ug/l	100
64) Tetrachloroethene	8.22	164	16639	20.427	ug/l	97
65) Chlorobenzene	9.12	112	52507	20.177	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	18249	21.961	ug/l	99
67) Ethyl Benzene	9.25	91	96135	20.096	ug/l	99
68) m/p-Xylenes	9.37	106	70349	40.414	ug/l	98
69) o-Xylene	9.78	106	34123	20.172	ug/l	99
70) Styrene	9.79	104	56109	20.043	ug/l	100
71) Bromoform	9.96	173	15298	21.640	ug/l #	99
73) Isopropylbenzene	10.16	105	90621	21.064	ug/l	99
74) N-amyl acetate	10.01	43	55152	22.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	38154	23.087	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	44330	30.964	ug/l	83
77) Bromobenzene	10.45	156	22253	22.117	ug/l	99
78) n-propylbenzene	10.58	91	110749	20.717	ug/l	99
79) 2-Chlorotoluene	10.66	91	66983	21.753	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	76575	21.503	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	44330	75.857	ug/l #	100
82) 4-Chlorotoluene	10.77	91	76356	20.925	ug/l	100
83) tert-Butylbenzene	11.10	119	72630	21.160	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	78047	21.266	ug/l	100
85) sec-Butylbenzene	11.32	105	91301	20.705	ug/l	98
86) p-Isopropyltoluene	11.48	119	74622	19.921	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	38550	20.291	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	39096	19.889	ug/l	98
89) n-Butylbenzene	11.89	91	71709	18.916	ug/l	99
90) Hexachloroethane	12.14	117	12504	22.085	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	39047	20.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8260	23.086	ug/l	96

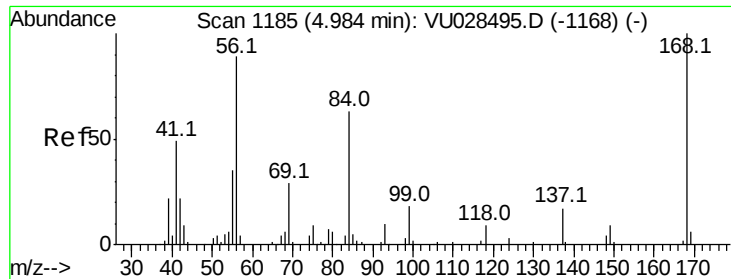
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24154	19.027	ug/l	100
94) Hexachlorobutadiene	13.69	225	11551	18.555	ug/l	98
95) Naphthalene	13.74	128	86476	18.963	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	25974	20.072	ug/l	95

(#) = 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: VU028739.D

Acq: 17 Dec 2018 23:33

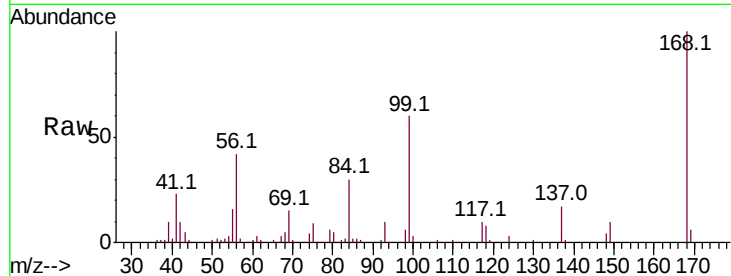
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 74586

Ion Ratio Lower Upper

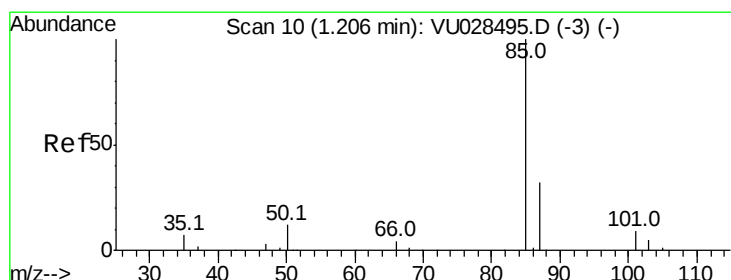
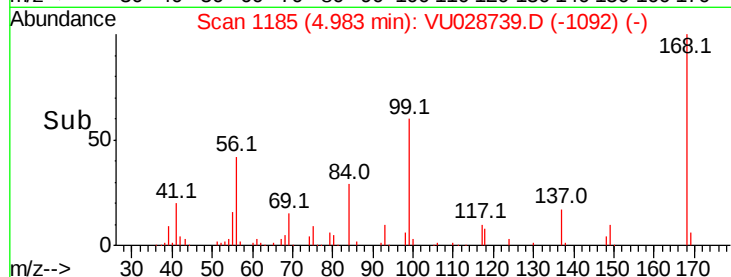
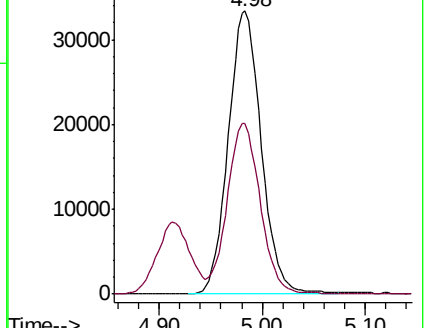
168 100

99 60.4 46.6 69.8



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

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



#2

Dichlorodifluoromethane

Concen: 20.285 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028739.D

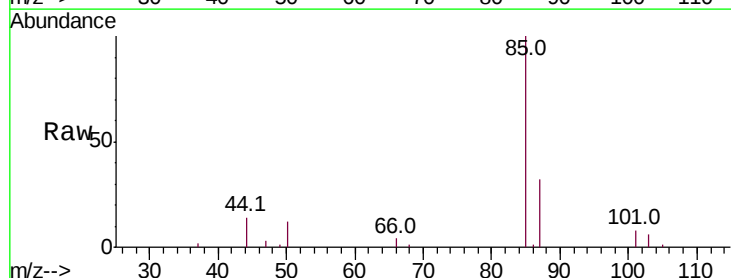
Acq: 17 Dec 2018 23:33

Tgt Ion: 85 Resp: 20279

Ion Ratio Lower Upper

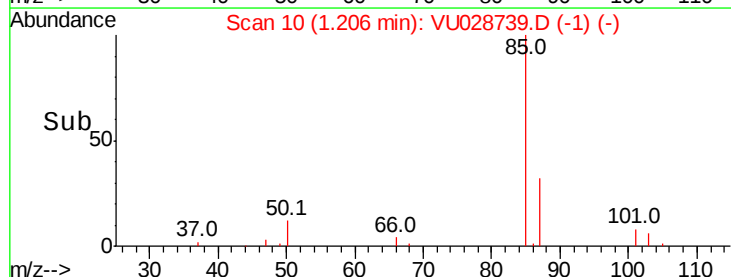
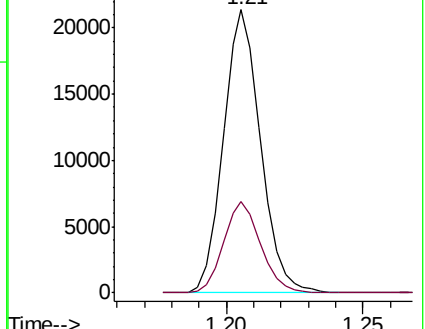
85 100

87 32.2 15.9 47.6



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

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





#3

Chloromethane

Concen: 18.898 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

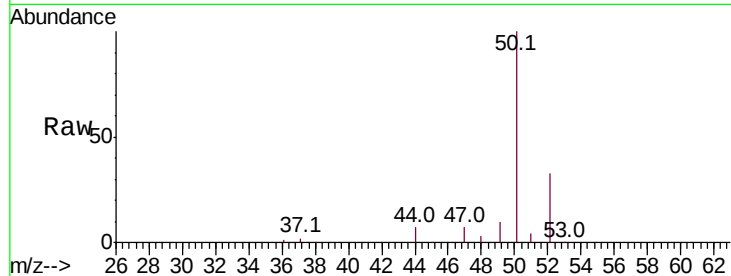
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 34734

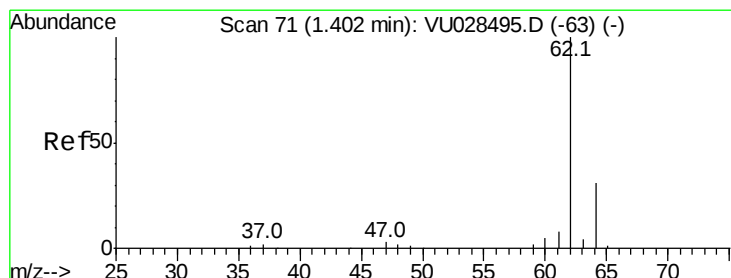
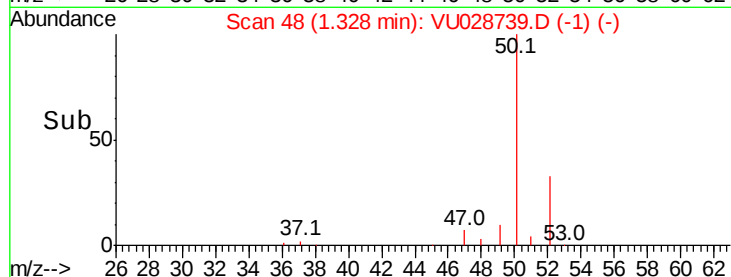
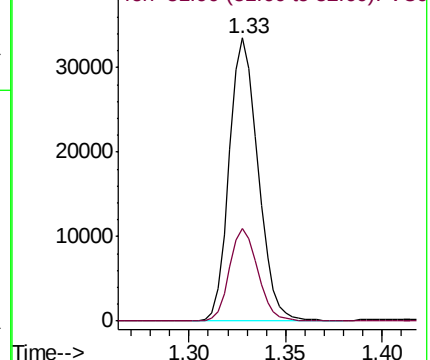
Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.376 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028739.D

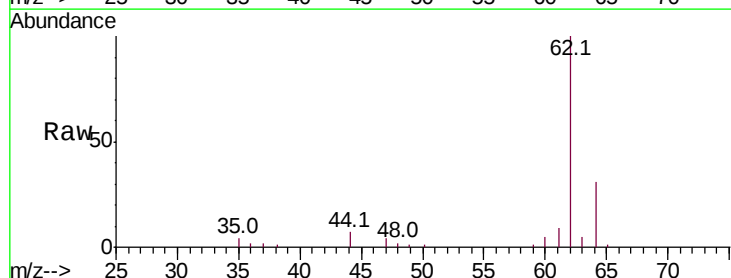
Acq: 17 Dec 2018 23:33

Tgt Ion: 62 Resp: 27027

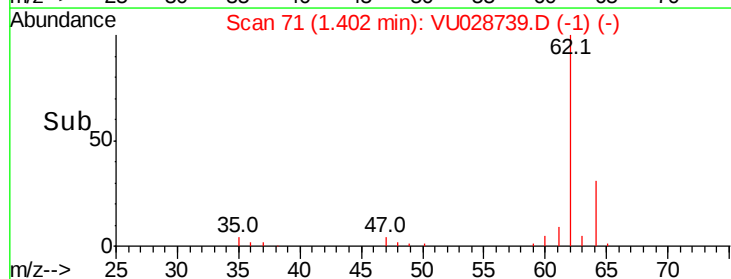
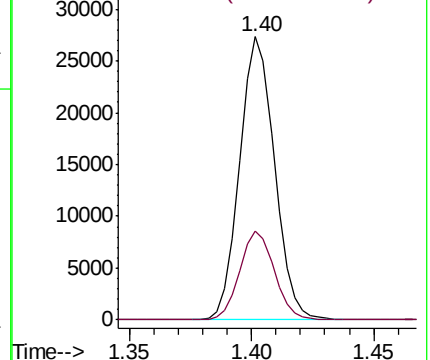
Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.132 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

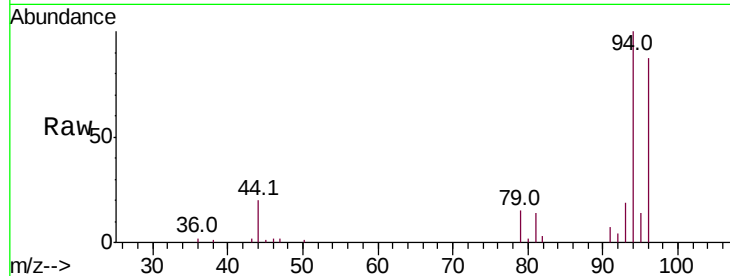
ClientSampleId :

Tot Ion: 94 Resp: 11291

Ion Ratio Lower Upper

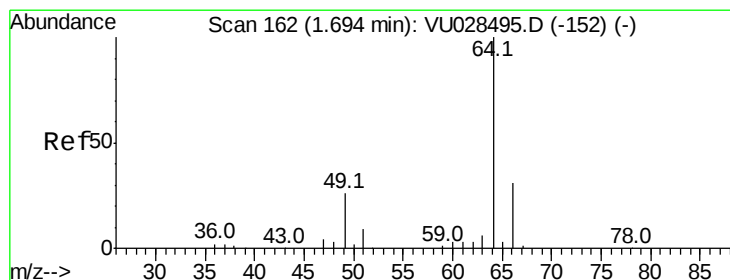
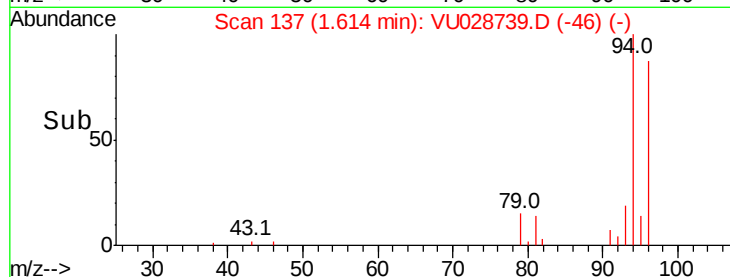
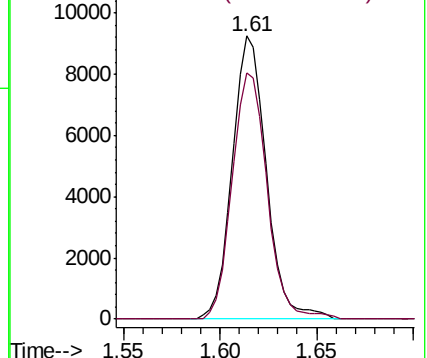
94 100

96 86.9 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: 20.644 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028739.D

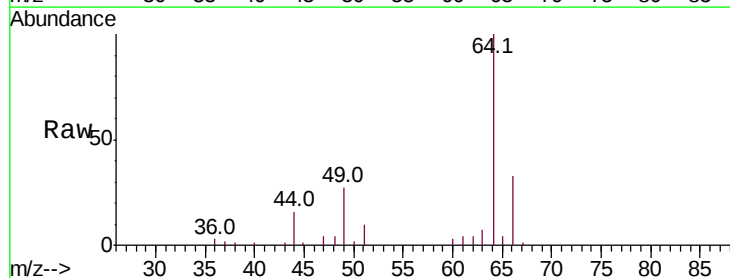
Acq: 17 Dec 2018 23:33

Tgt Ion: 64 Resp: 15502

Ion Ratio Lower Upper

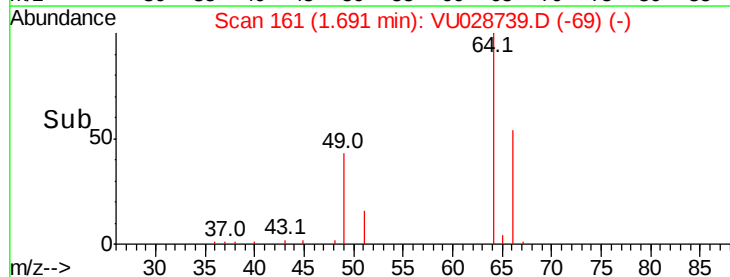
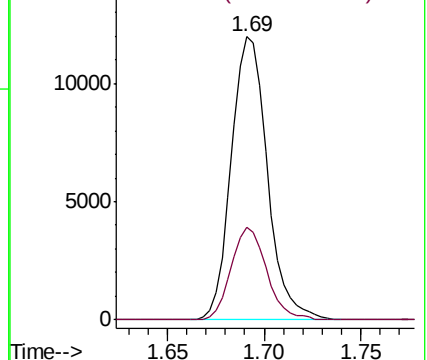
64 100

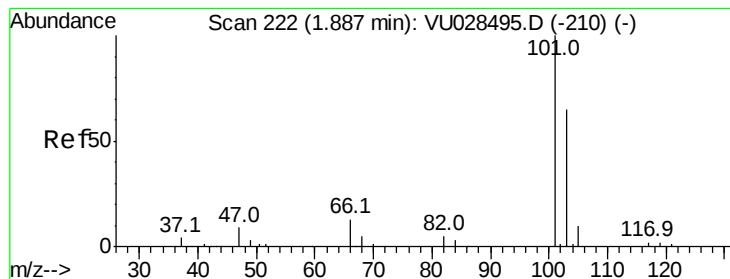
66 32.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



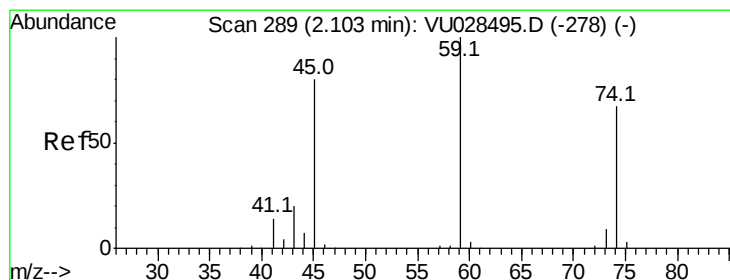
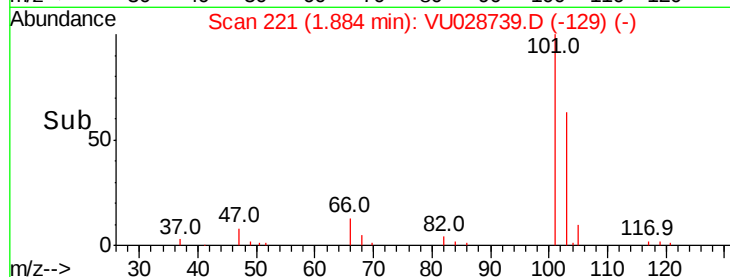
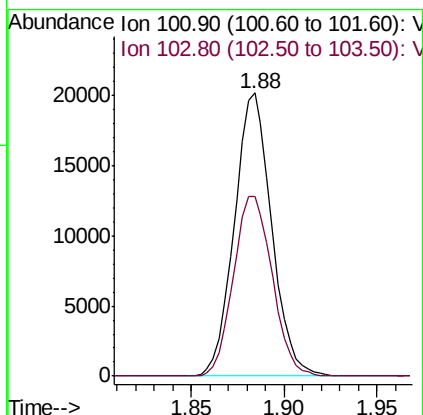
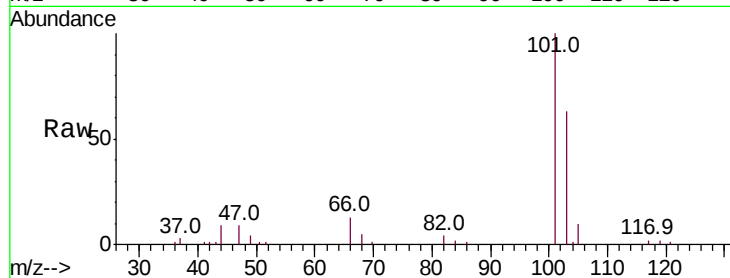


#7

Trichlorofluoromethane
 Concen: 20.162 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Instrument :
 MSVOA_U
 ClientSampleId :

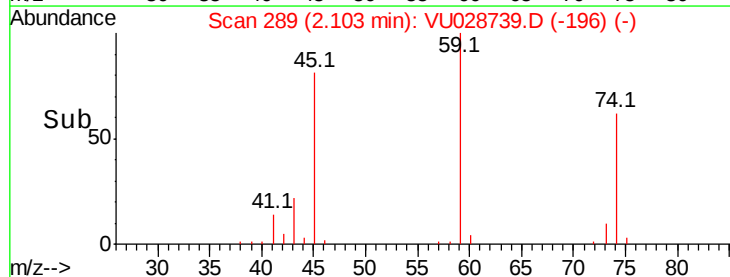
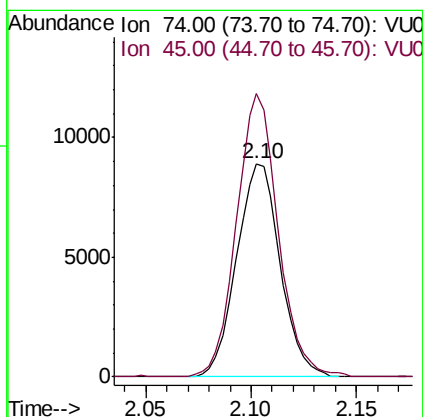
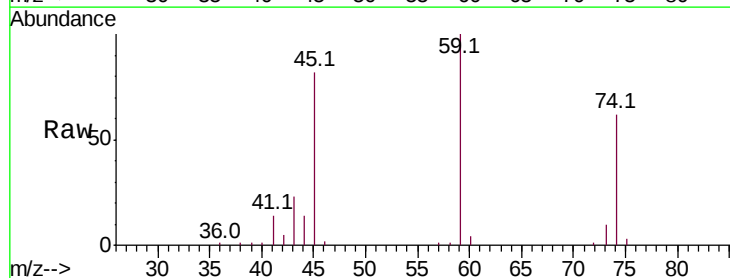
Tot Ion:101 Resp: 28136
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.3 78.5



#8

Diethyl Ether
 Concen: 19.499 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion: 74 Resp: 12731
 Ion Ratio Lower Upper
 74 100
 45 127.8 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.836 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampled :

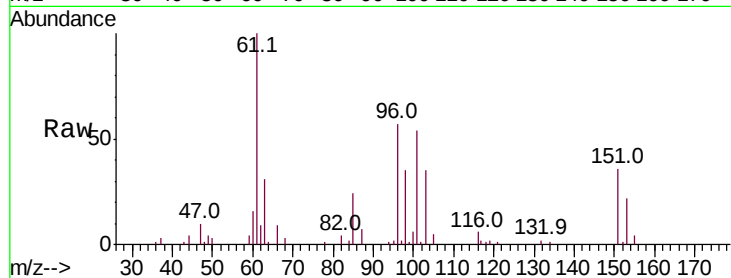
Tot Ion:101 Resp: 17390

Ion Ratio Lower Upper

101 100

85 45.6 36.4 54.6

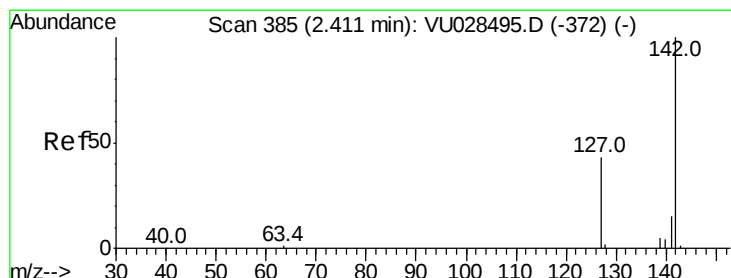
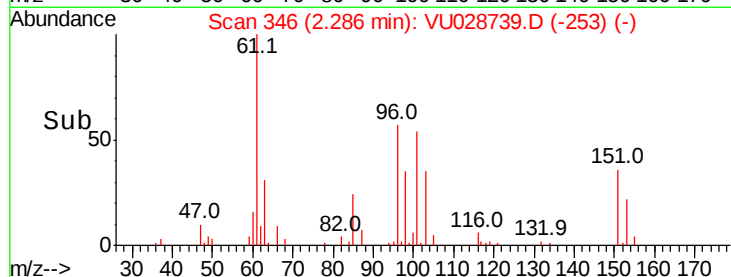
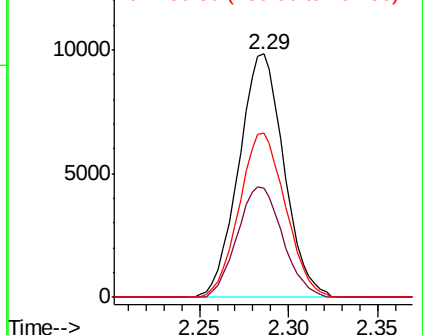
151 69.0 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.596 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

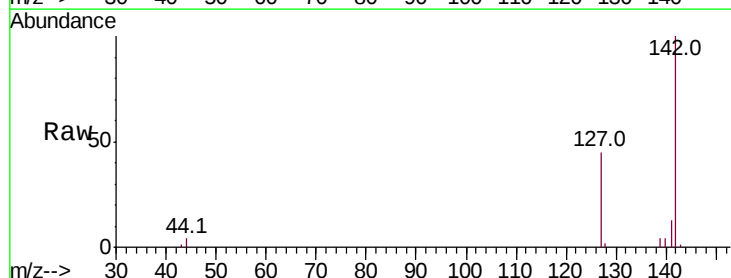
Tgt Ion:142 Resp: 18072

Ion Ratio Lower Upper

142 100

127 42.9 33.5 50.3

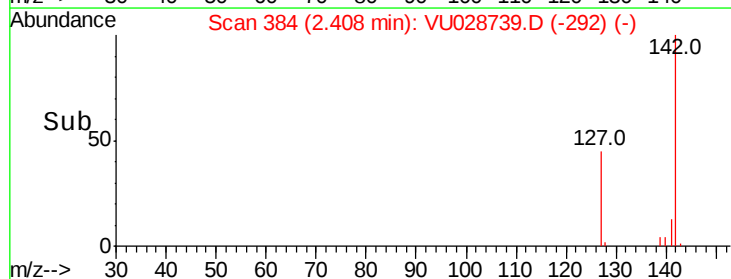
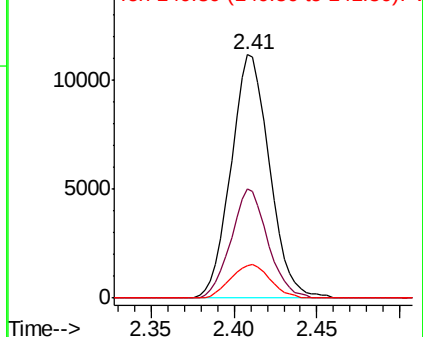
141 14.1 11.2 16.8



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



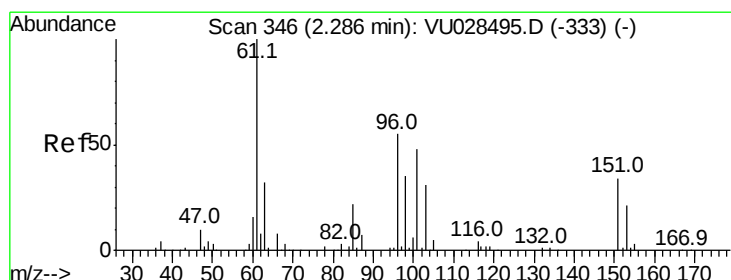
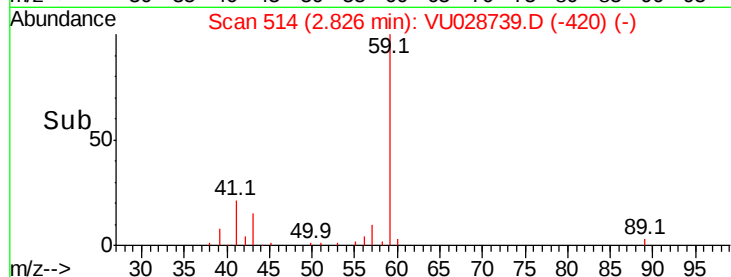
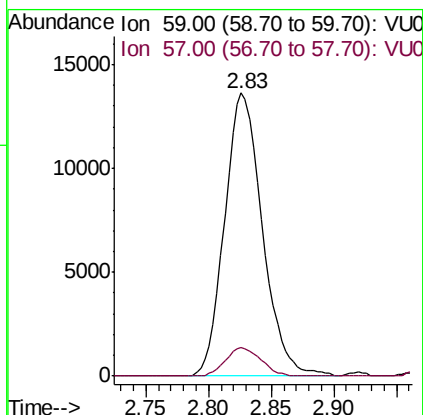
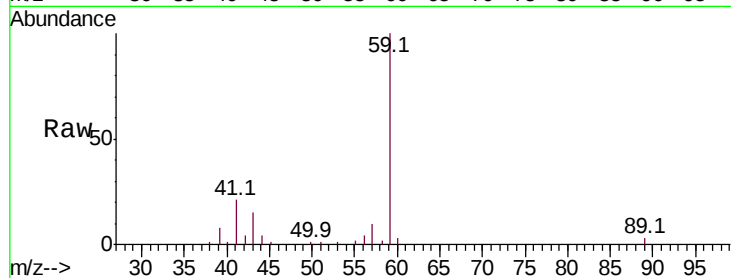


#11

Tert butyl alcohol
 Concen: 112.318 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Instrument :
 MSVOA_U
 ClientSampled :

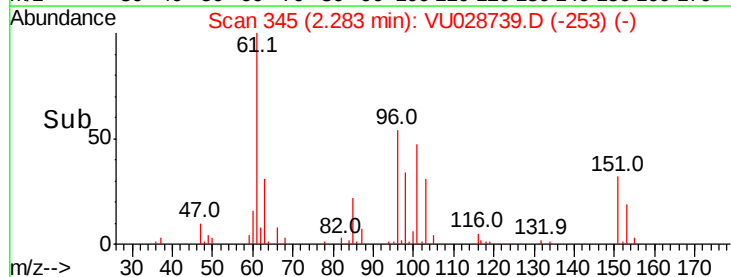
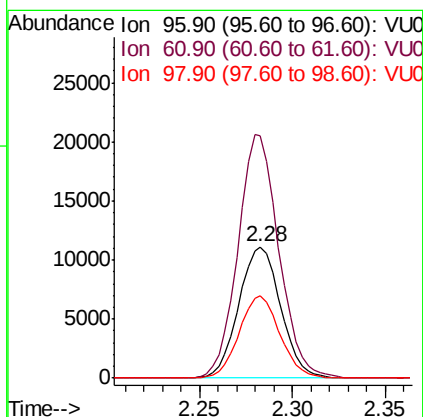
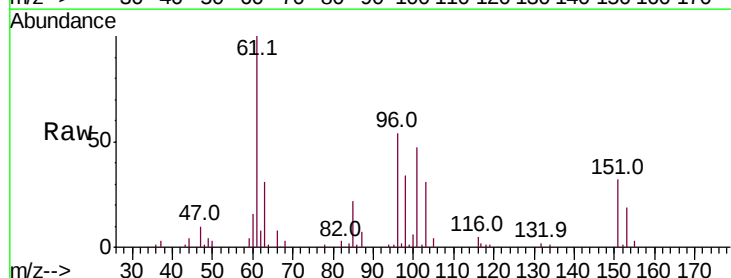
Tot Ion: 59 Resp: 28483
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.0 12.0

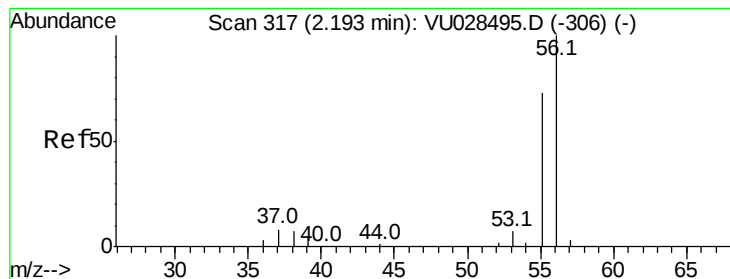


#12

1,1-Dichloroethene
 Concen: 20.968 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion: 96 Resp: 17412
 Ion Ratio Lower Upper
 96 100
 61 184.3 146.4 219.6
 98 63.0 51.8 77.8





#13

Acrolein

Concen: 100.810 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

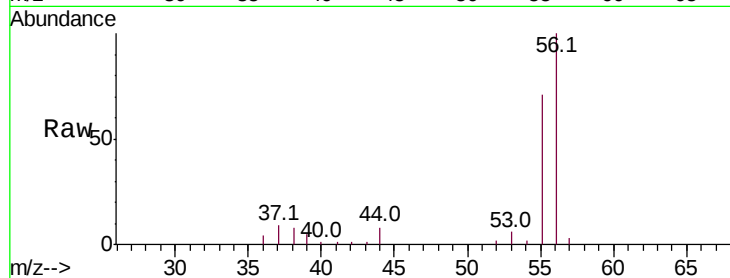
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 20380

Ion Ratio Lower Upper

56 100

55 72.3 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)

2.19

15000

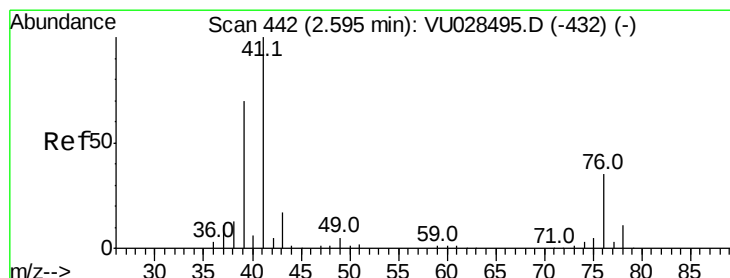
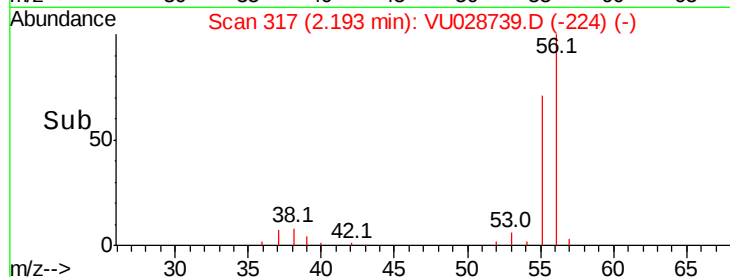
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 20.160 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

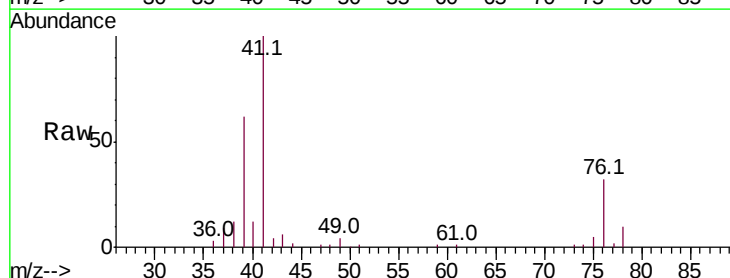
Tgt Ion: 41 Resp: 39604

Ion Ratio Lower Upper

41 100

39 63.0 50.8 76.2

76 30.8 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU028495.D (-432) (-)

2.59

30000

25000

20000

15000

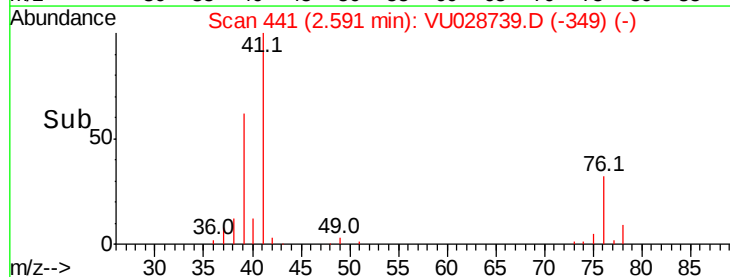
10000

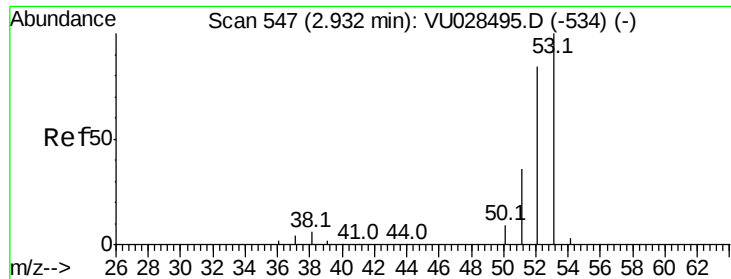
5000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 110.305 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

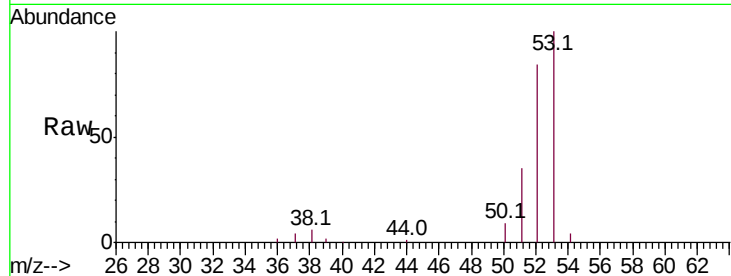
Tot Ion: 53 Resp: 77661

Ion Ratio Lower Upper

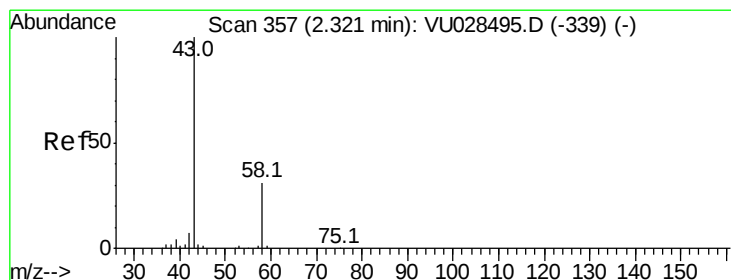
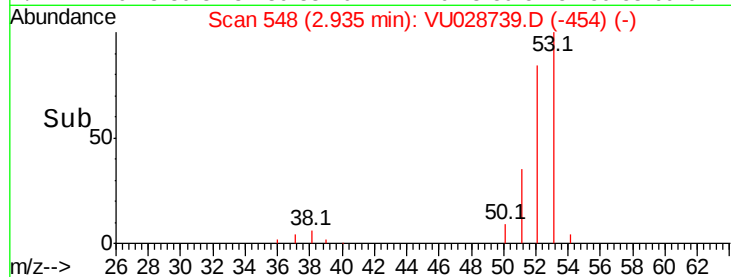
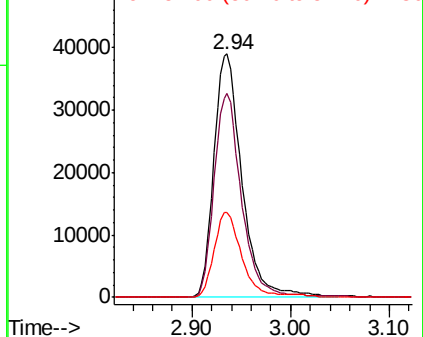
53 100

52 82.4 66.1 99.1

51 35.0 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: 83.584 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028739.D

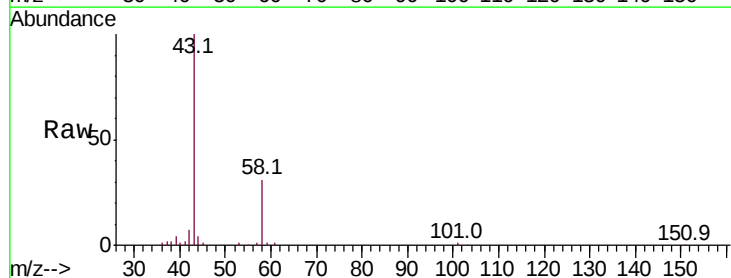
Acq: 17 Dec 2018 23:33

Tgt Ion: 43 Resp: 62082

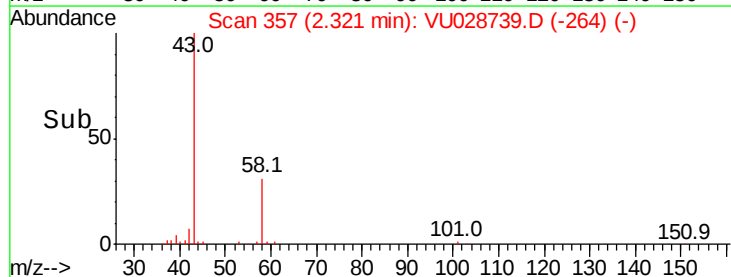
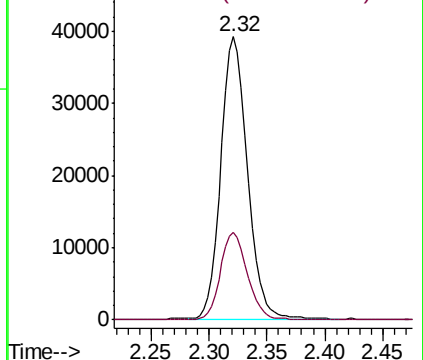
Ion Ratio Lower Upper

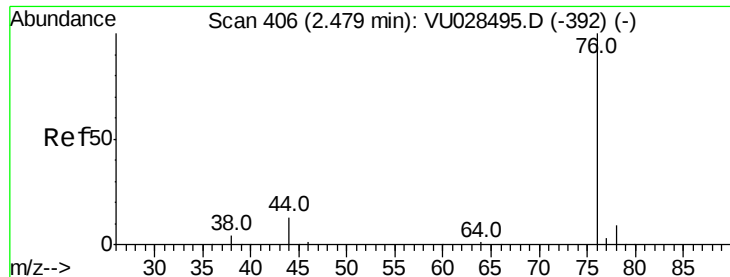
43 100

58 30.9 24.6 37.0



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

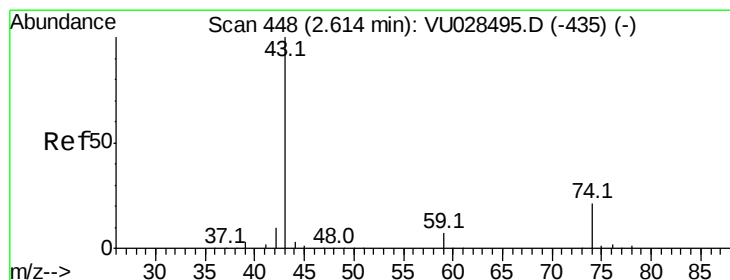
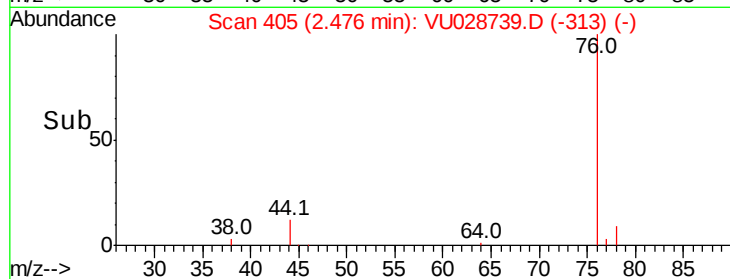
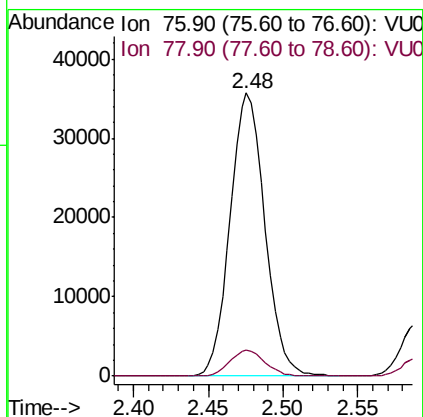
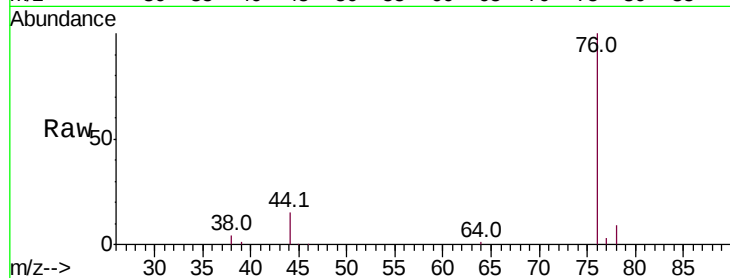




#17
Carbon Disulfide
Concen: 19.348 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

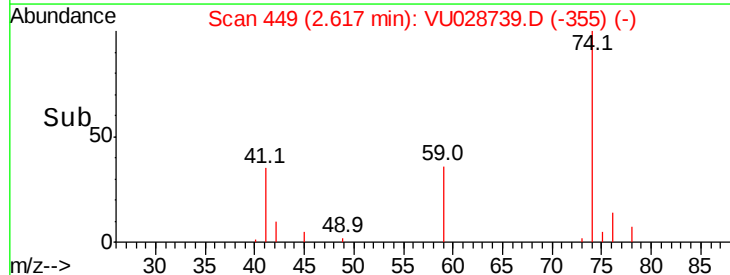
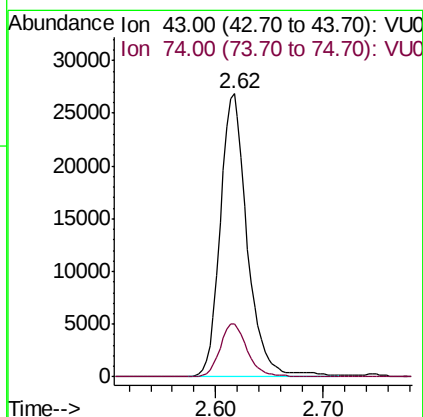
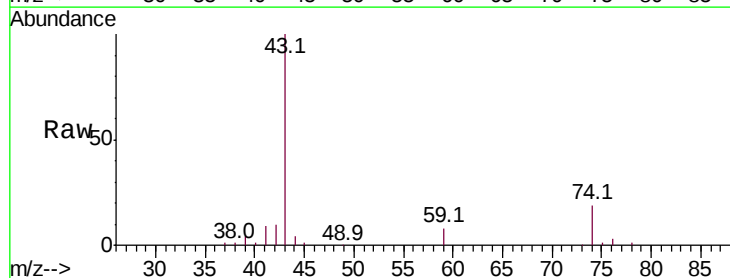
Instrument :
MSVOA_U
ClientSampleId :

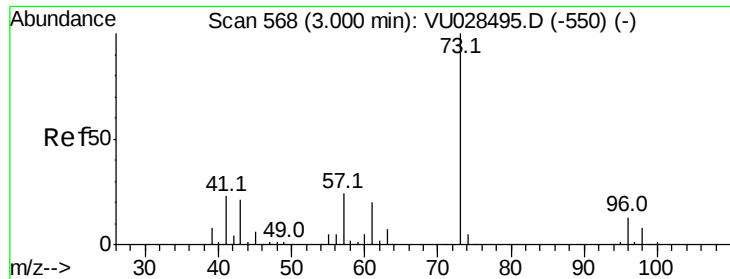
Tot Ion: 76 Resp: 57882
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 24.344 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 43 Resp: 46872
Ion Ratio Lower Upper
43 100
74 18.9 16.4 24.6

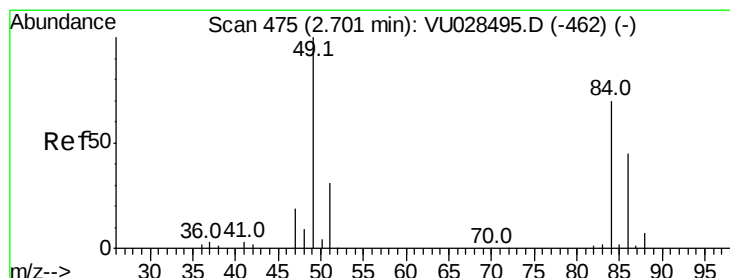
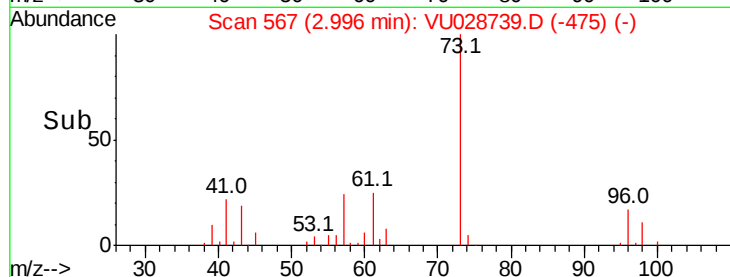
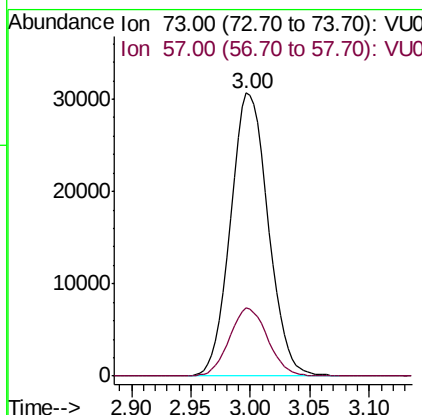
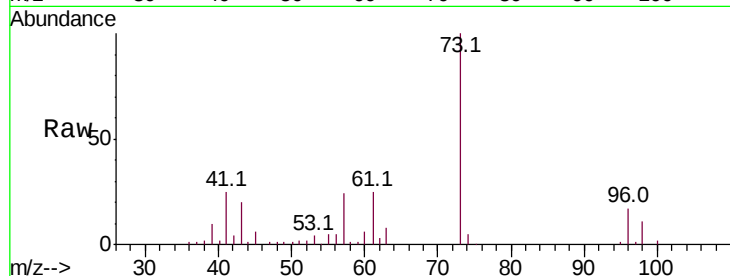




#19
Methyl tert-butyl Ether
Concen: 21.397 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

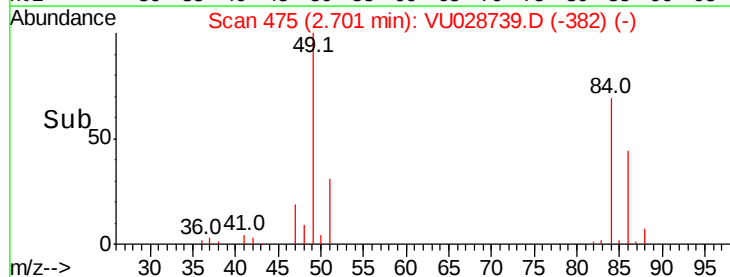
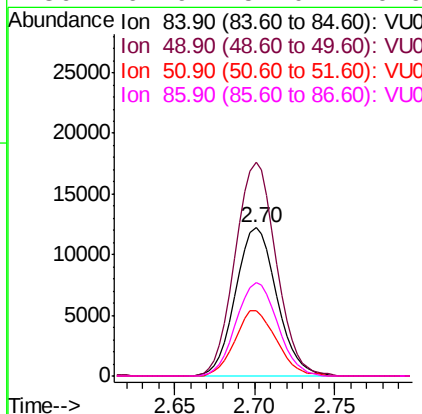
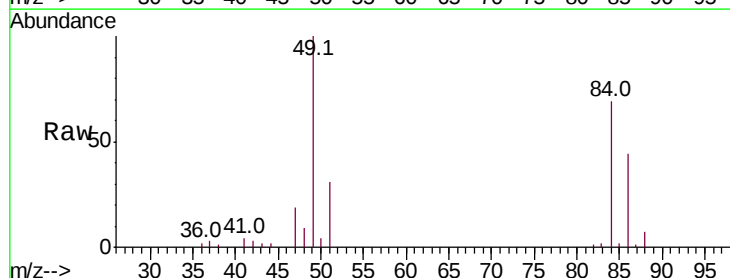
Instrument :
MSVOA_U
ClientSampleId :

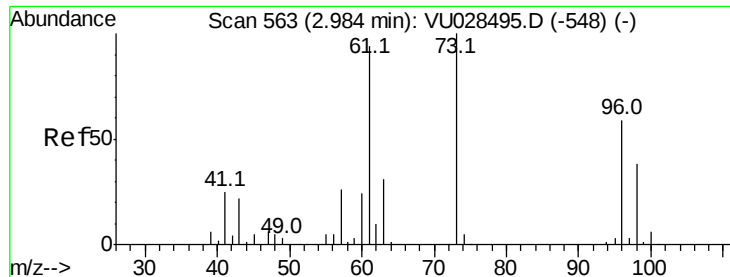
Tot Ion: 73 Resp: 67359
Ion Ratio Lower Upper
73 100
57 24.1 19.4 29.2



#20
Methylene Chloride
Concen: 19.646 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 84 Resp: 21511
Ion Ratio Lower Upper
84 100
49 144.2 114.0 171.0
51 44.0 35.1 52.7
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.614 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

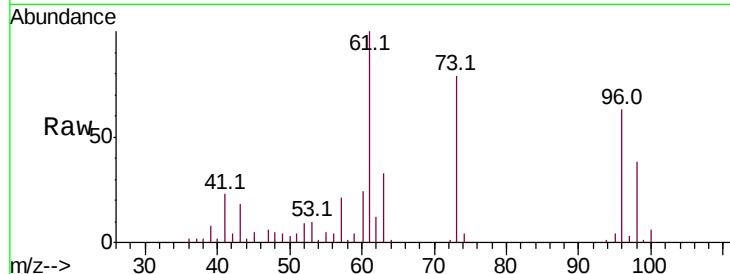
Tot Ion: 96 Resp: 19274

Ion Ratio Lower Upper

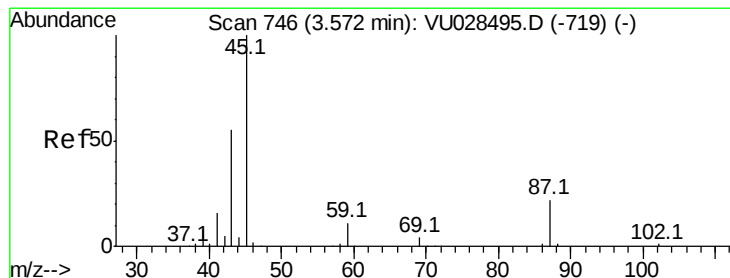
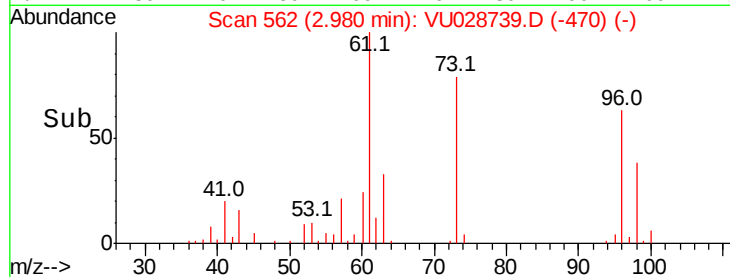
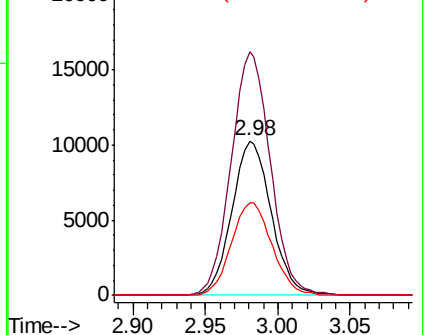
96 100

61 158.0 127.0 190.4

98 60.1 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: 22.027 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Tgt Ion: 45 Resp: 84150

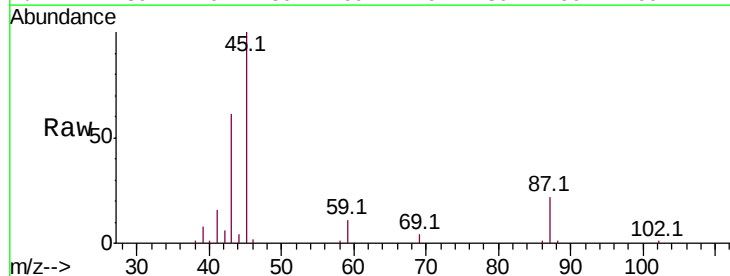
Ion Ratio Lower Upper

45 100

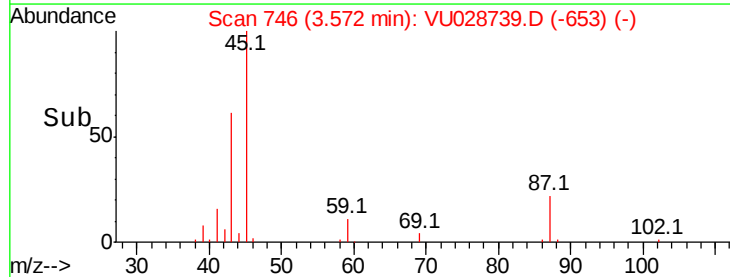
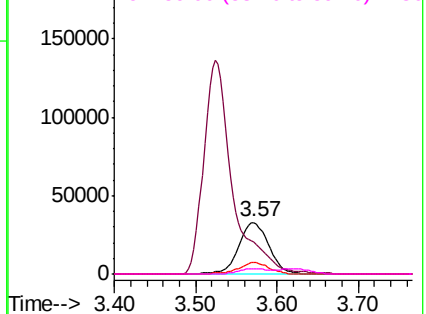
43 60.0 45.3 67.9

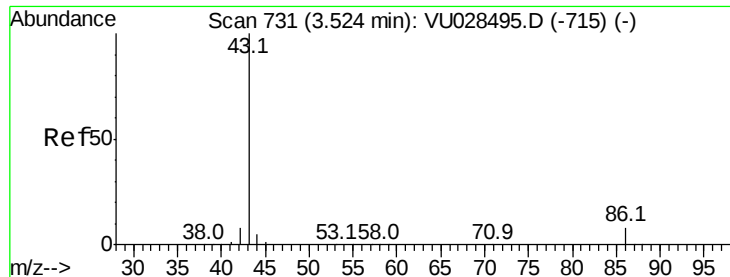
87 22.2 17.6 26.4

59 10.8 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: 105.999 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

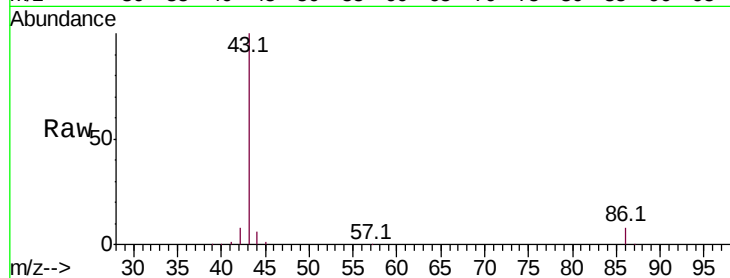
ClientSampleId :

Tot Ion: 43 Resp: 334022

Ion Ratio Lower Upper

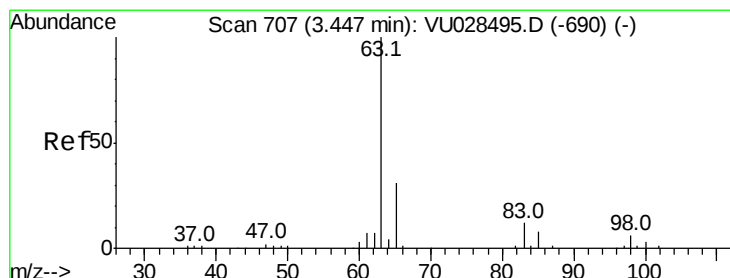
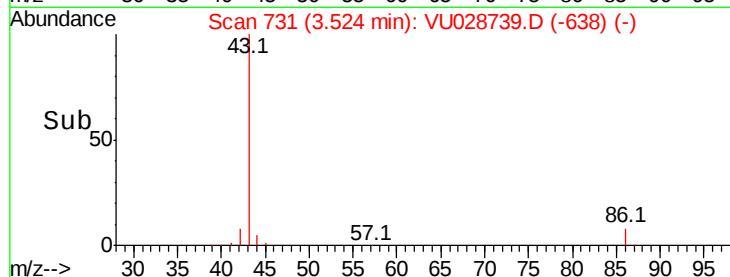
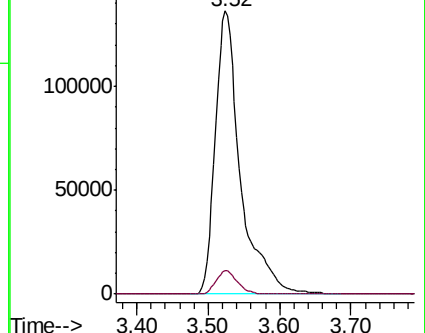
43 100

86 8.3 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028739.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028739.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 21.024 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

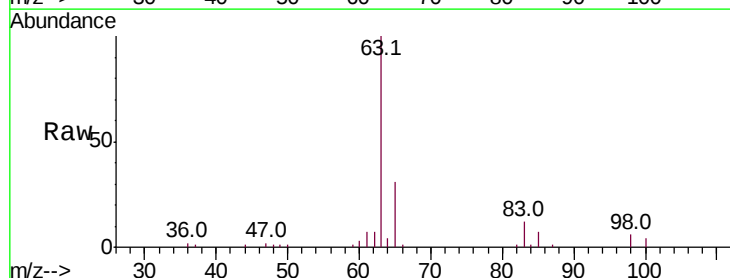
Tgt Ion: 63 Resp: 42044

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

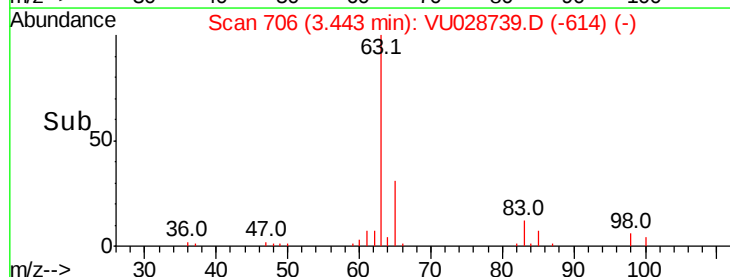
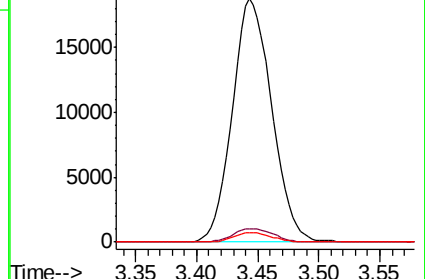
100 4.0 1.7 5.1

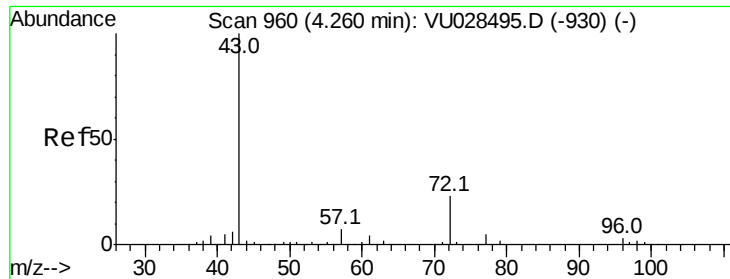


Abundance Ion 62.90 (62.60 to 63.60): VU028739.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028739.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028739.D (-614) (-)





#25

2-Butanone

Concen: 102.853 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

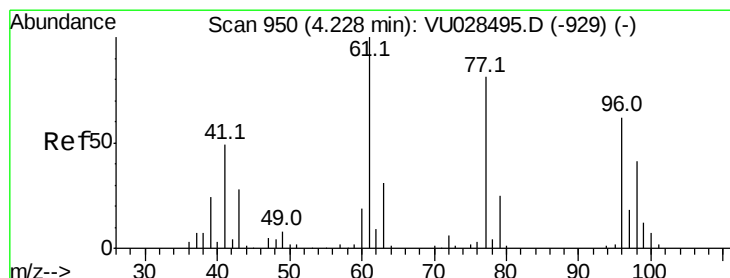
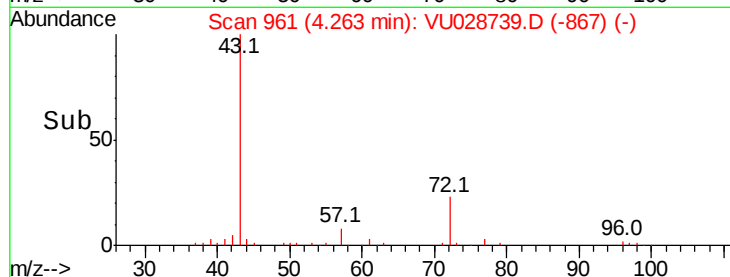
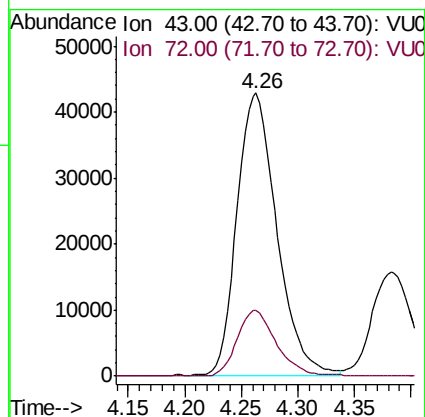
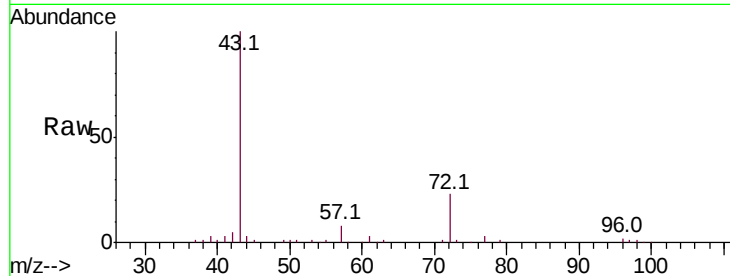
ClientSampleId :

Tot Ion: 43 Resp: 104400

Ion Ratio Lower Upper

43 100

72 23.3 18.6 28.0



#26

2,2-Dichloropropane

Concen: 17.875 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028739.D

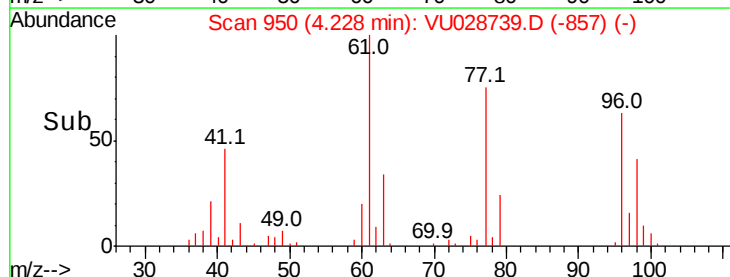
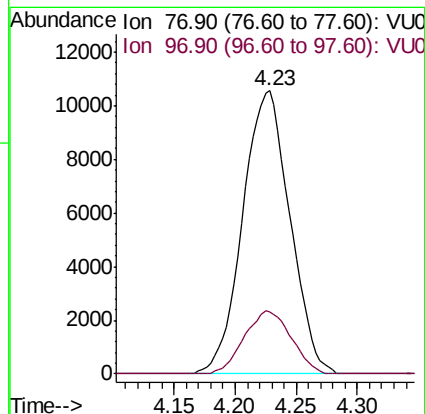
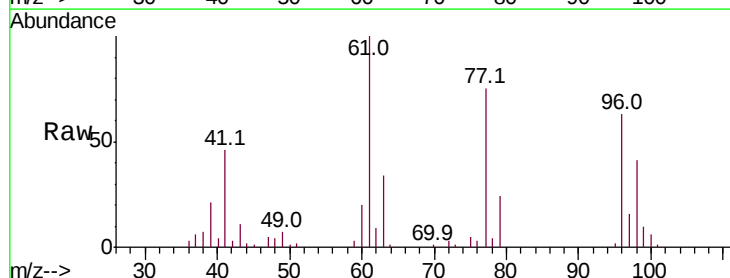
Acq: 17 Dec 2018 23:33

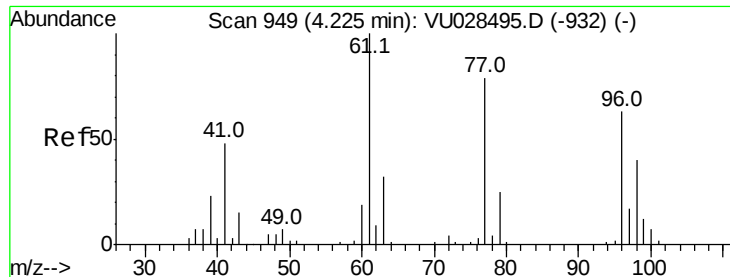
Tgt Ion: 77 Resp: 28324

Ion Ratio Lower Upper

77 100

97 22.1 11.0 33.0



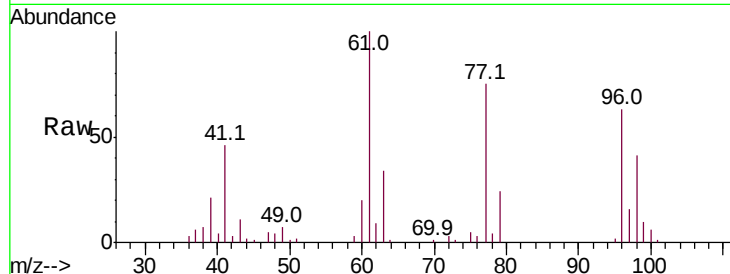


#27

cis-1,2-Dichloroethene
Concen: 20.382 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	332.4
98	65.9	0.0	129.0

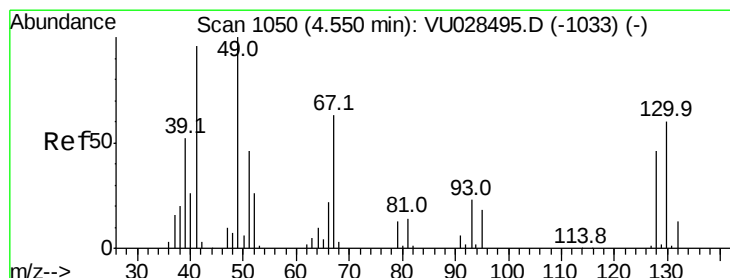
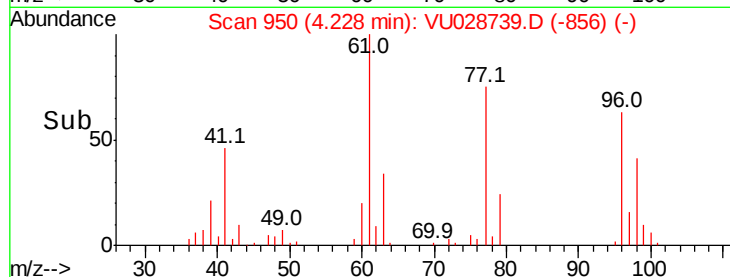
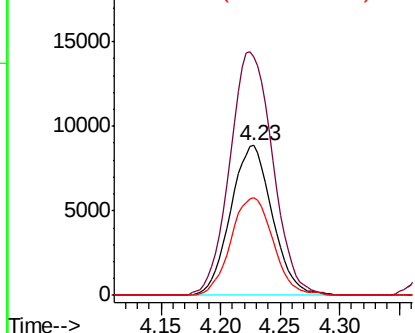


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

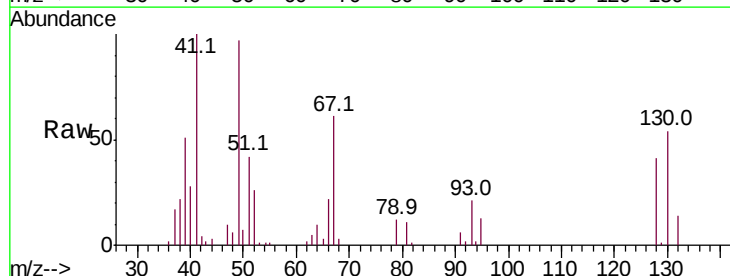
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 22.430 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	57.6	47.8	71.8

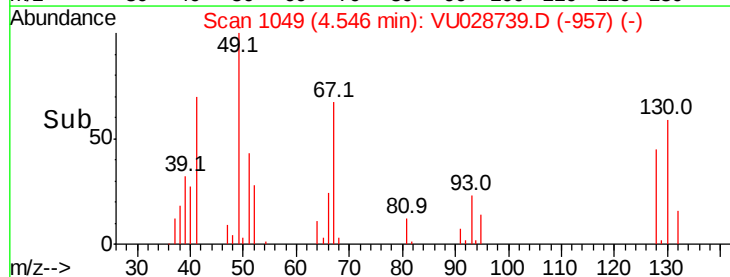
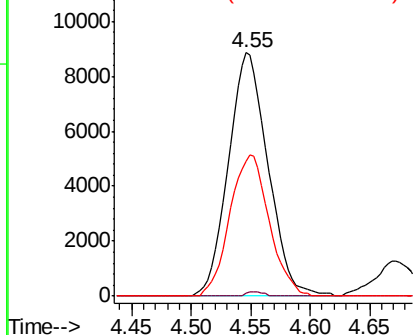


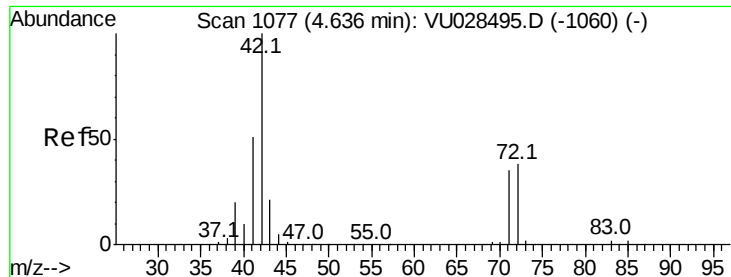
Abundance

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: 113.783 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampled :

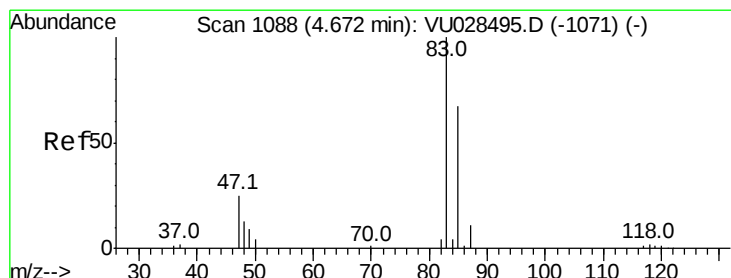
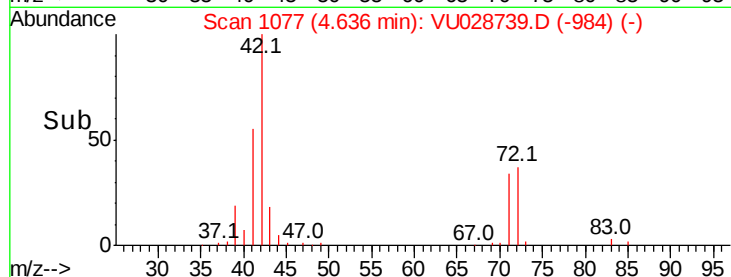
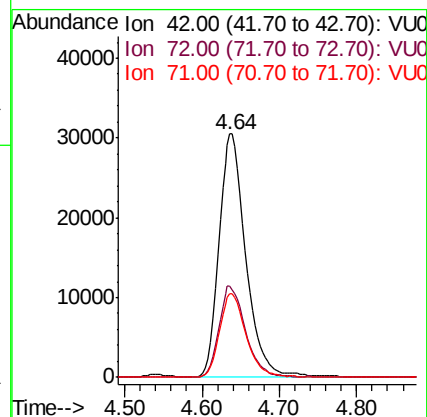
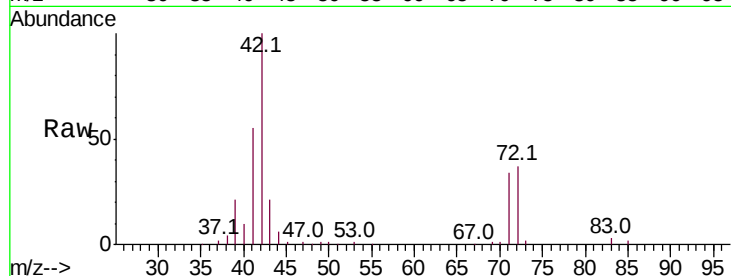
Tot Ion: 42 Resp: 74175

Ion Ratio Lower Upper

42 100

72 37.0 31.4 47.0

71 33.8 28.6 43.0



#30

Chloroform

Concen: 21.478 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028739.D

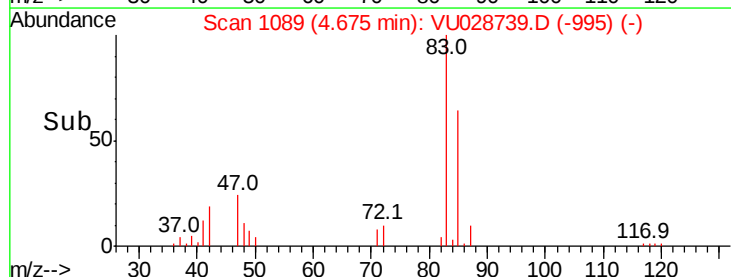
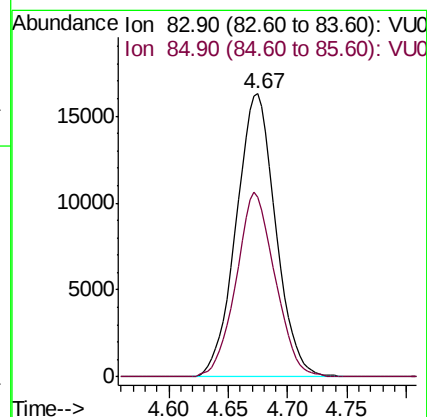
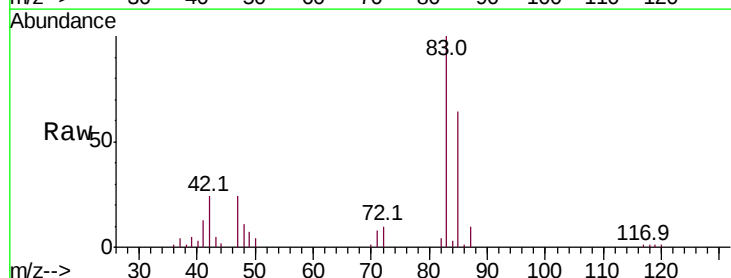
Acq: 17 Dec 2018 23:33

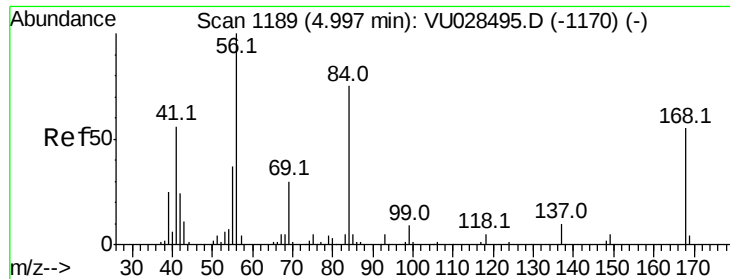
Tgt Ion: 83 Resp: 37434

Ion Ratio Lower Upper

83 100

85 63.6 53.6 80.4

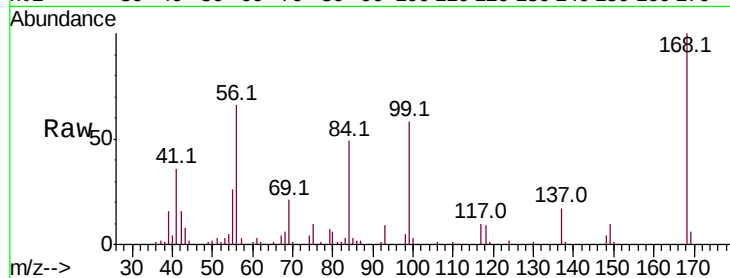




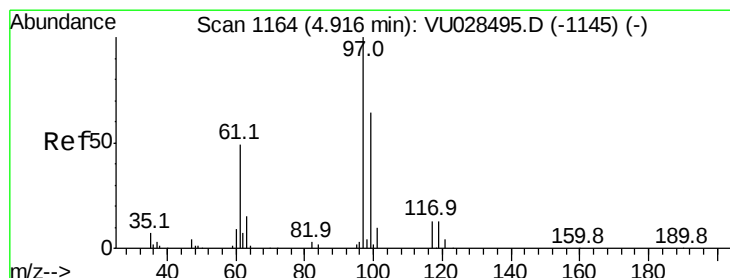
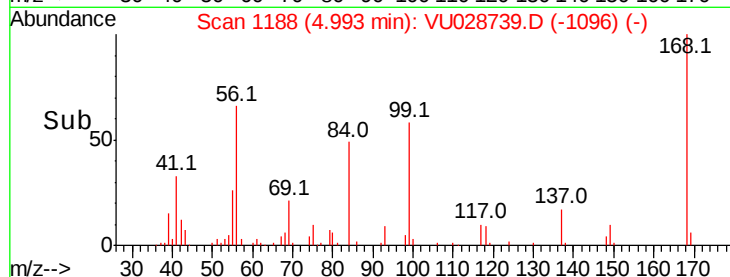
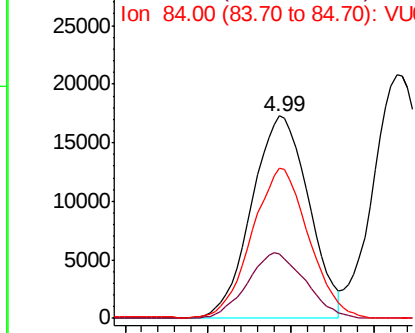
#31
Cyclohexane
Concen: 20.524 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 41430
Ion Ratio Lower Upper
56 100
69 31.7 24.0 36.0
84 74.2 59.7 89.5

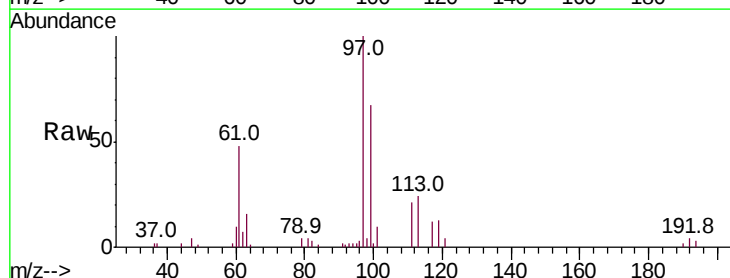


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

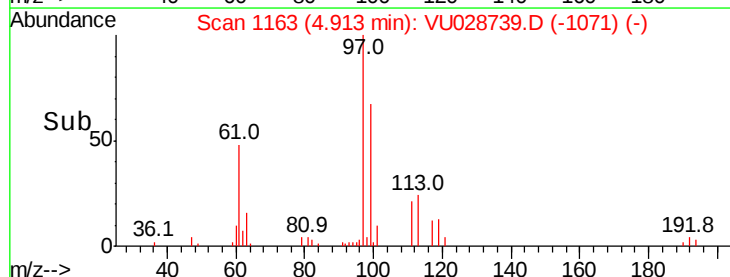
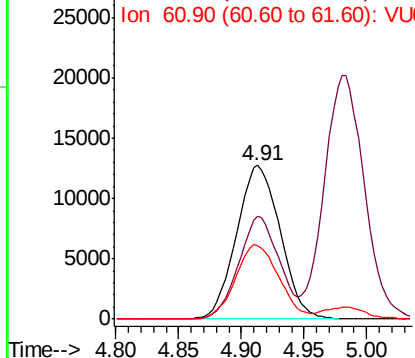


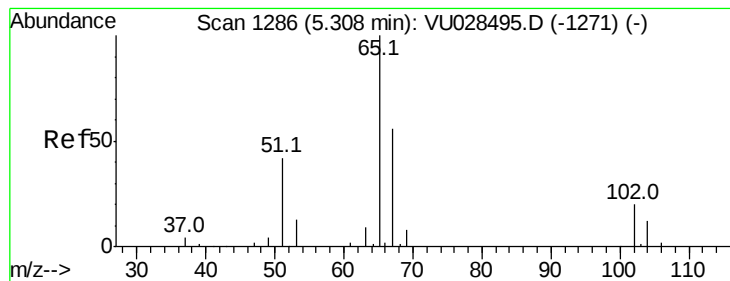
#32
1,1,1-Trichloroethane
Concen: 21.321 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 97 Resp: 30863
Ion Ratio Lower Upper
97 100
99 62.1 52.3 78.5
61 48.1 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 53.153 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

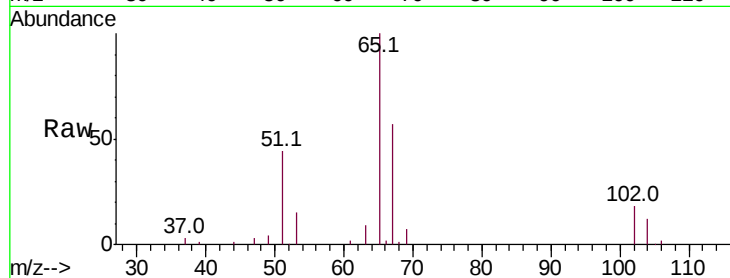
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 60500

Ion Ratio Lower Upper

65 100

67 56.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

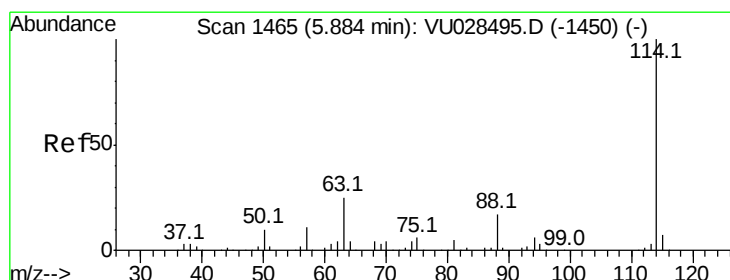
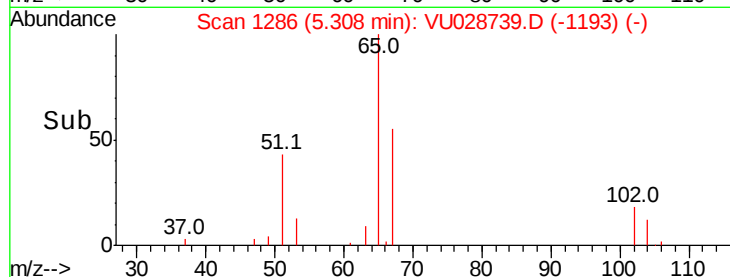
20000

10000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

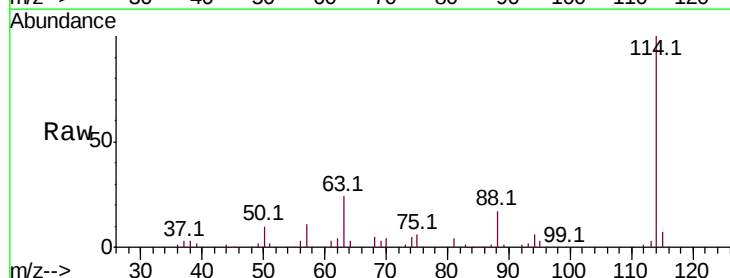
Tgt Ion:114 Resp: 132118

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 16.8 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.88

80000

60000

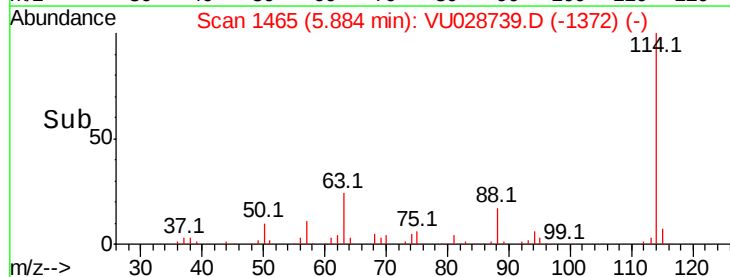
40000

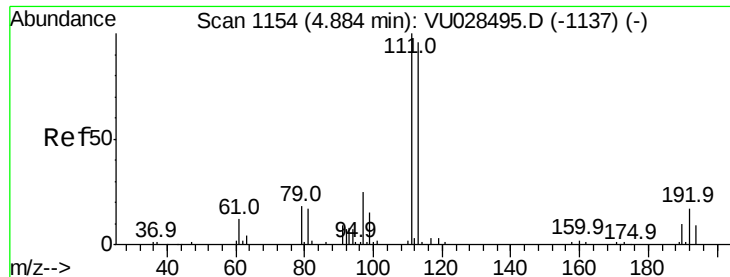
20000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 54.049 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

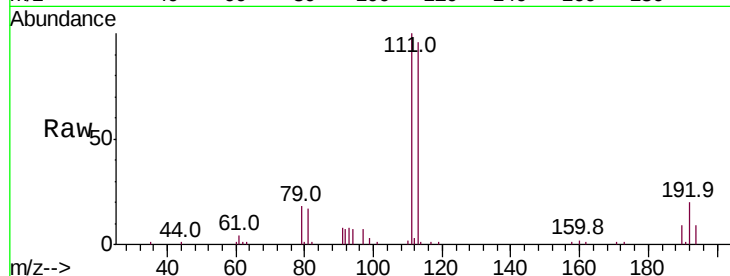
Tot Ion:113 Resp: 44938

Ion Ratio Lower Upper

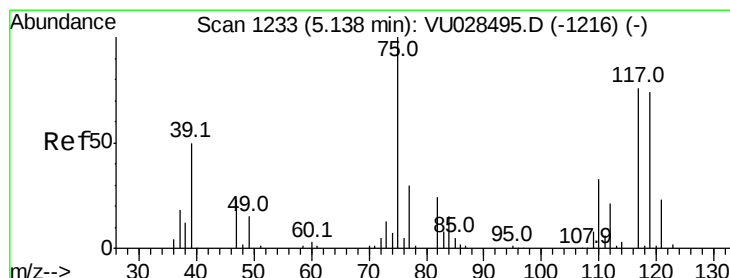
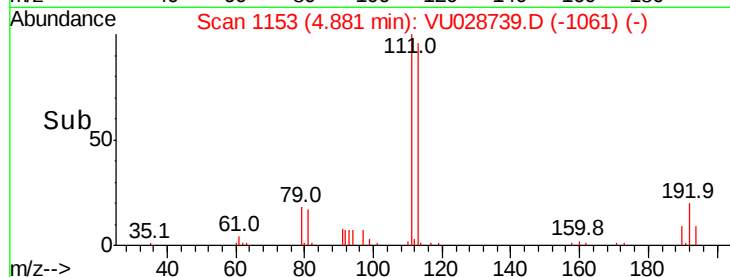
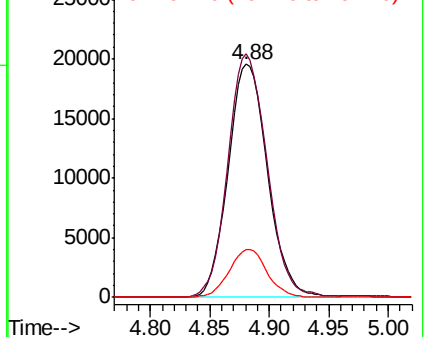
113 100

111 103.6 83.4 125.0

192 19.7 14.8 22.2



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



#36

1,1-Dichloropropene

Concen: 19.634 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

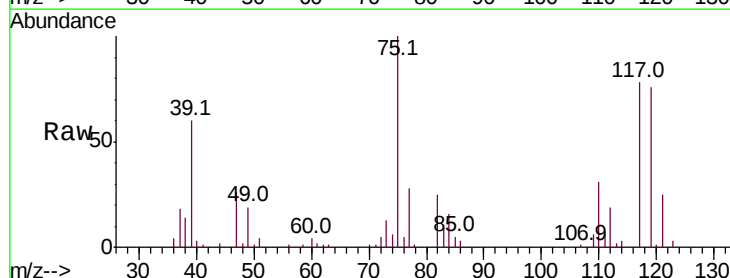
Tgt Ion: 75 Resp: 28386

Ion Ratio Lower Upper

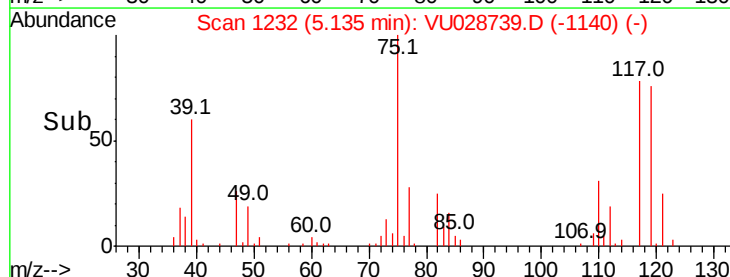
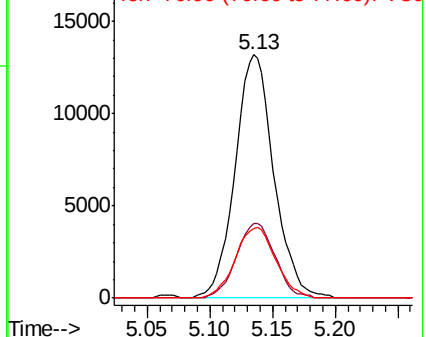
75 100

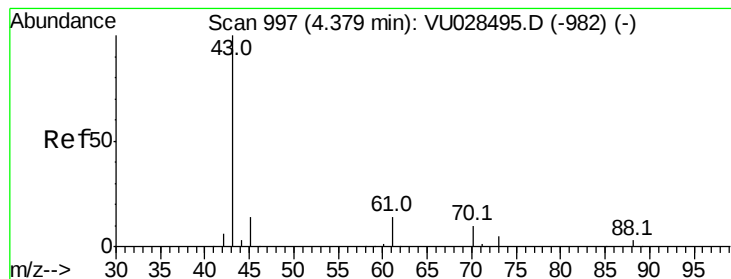
110 30.5 16.1 48.2

77 30.3 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: 20.863 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampled :

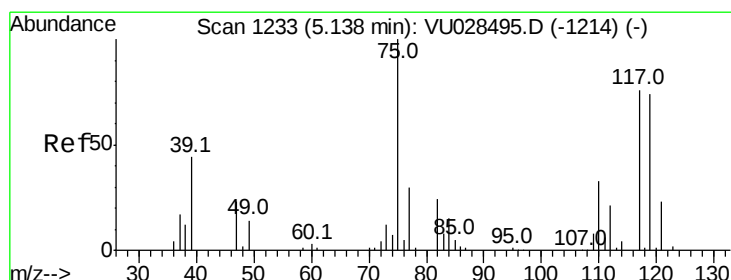
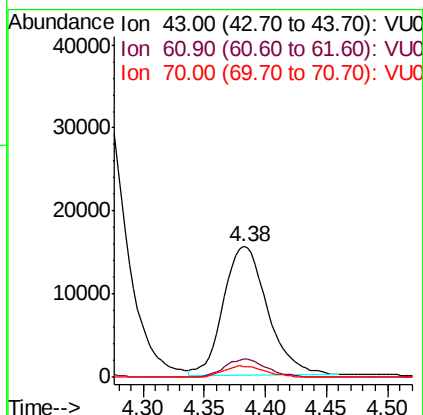
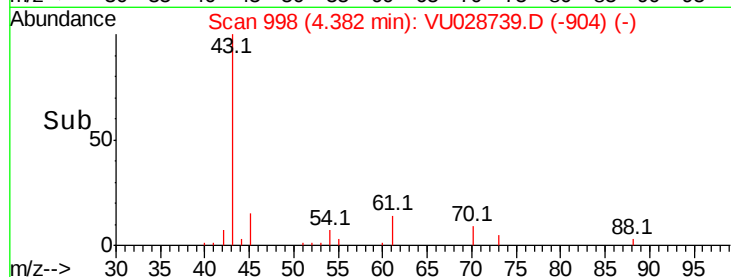
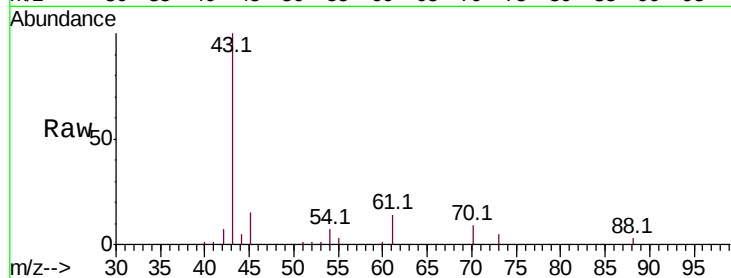
Tot Ion: 43 Resp: 38991

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

70 8.3 7.4 11.0



#38

Carbon Tetrachloride

Concen: 20.639 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

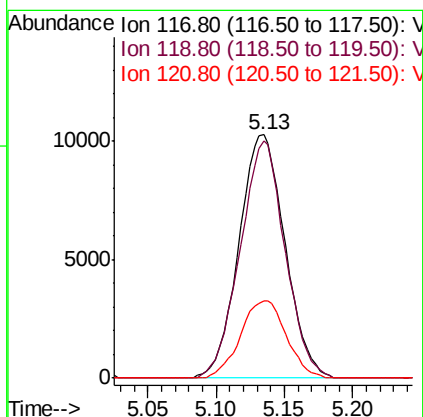
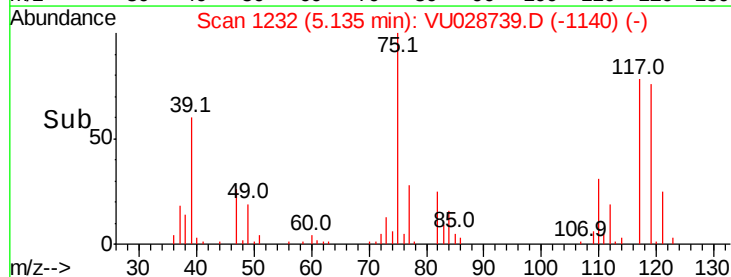
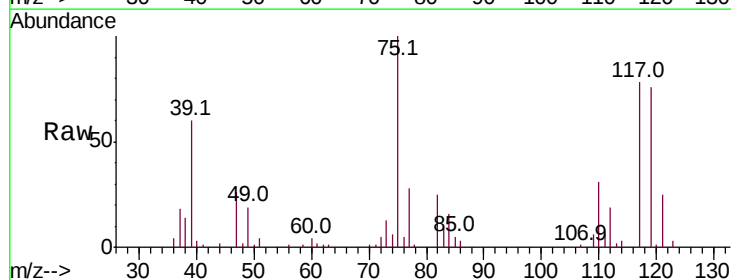
Tgt Ion: 117 Resp: 24050

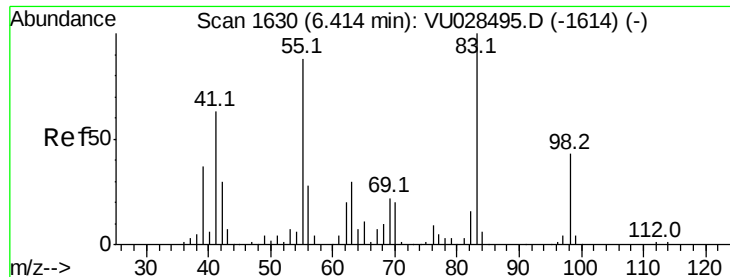
Ion Ratio Lower Upper

117 100

119 97.6 77.6 116.4

121 31.5 24.6 36.8

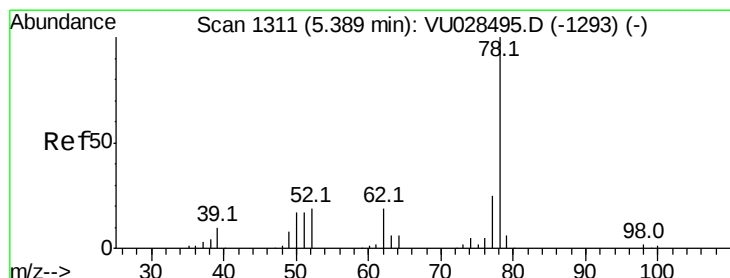
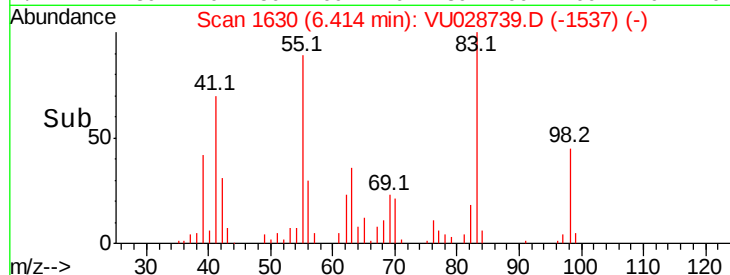
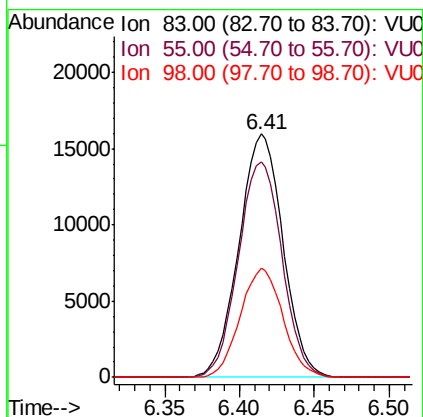
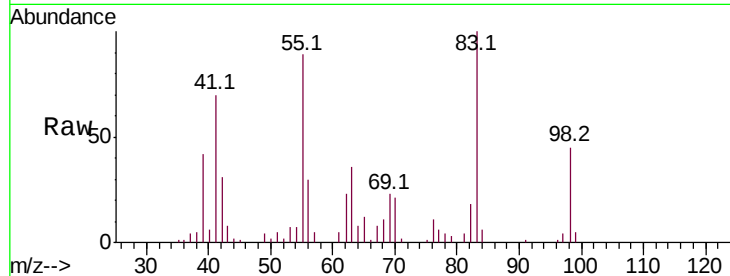




#39
Methvlcvclohexane
Concen: 18.562 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

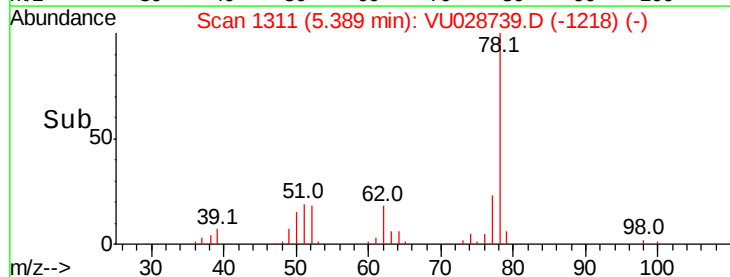
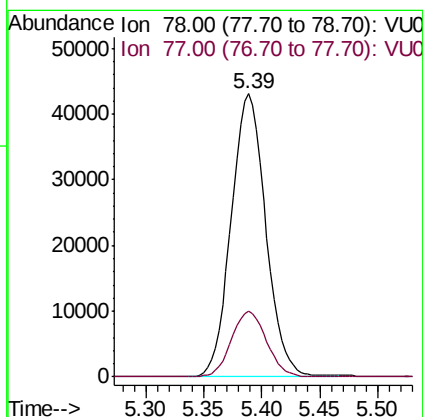
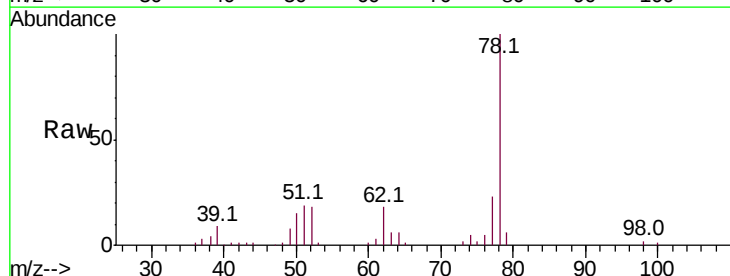
Instrument :
MSVOA_U
ClientSampleId :

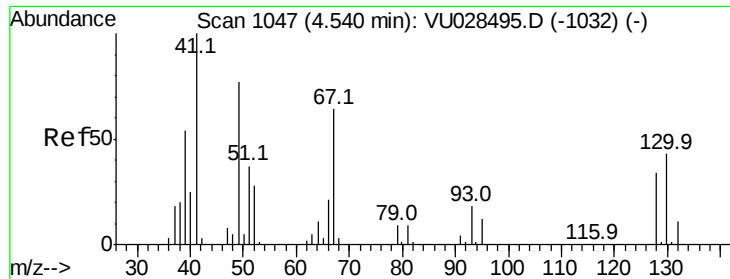
Tot Ion: 83 Resp: 32739
Ion Ratio Lower Upper
83 100
55 88.6 70.2 105.2
98 44.7 34.2 51.4



#40
Benzene
Concen: 20.979 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 78 Resp: 89328
Ion Ratio Lower Upper
78 100
77 23.1 19.9 29.9





#41

Methacrylonitrile

Concen: 21.742 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 22253

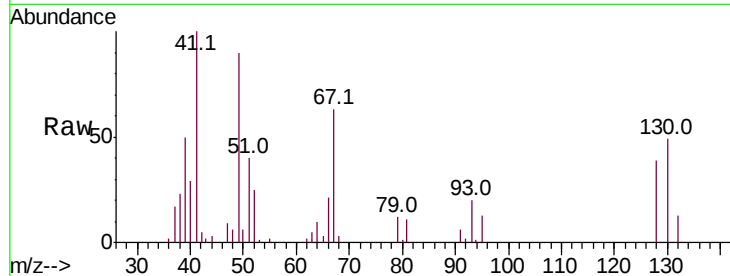
Ion Ratio Lower Upper

41 100

39 52.7 43.3 64.9

67 65.4 53.6 80.4

52 27.0 22.1 33.1

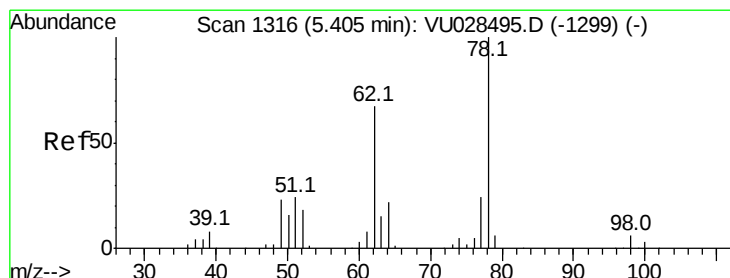
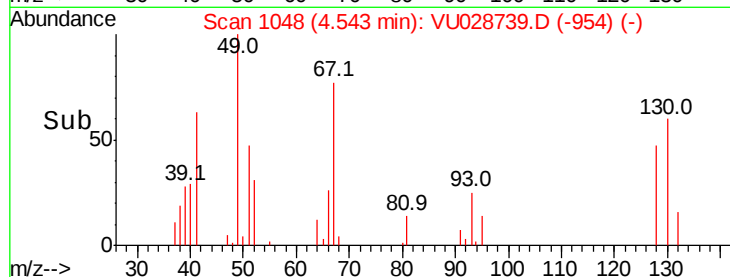
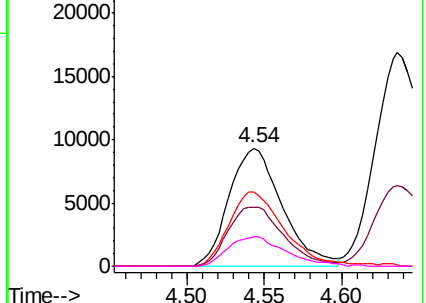


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 21.031 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028739.D

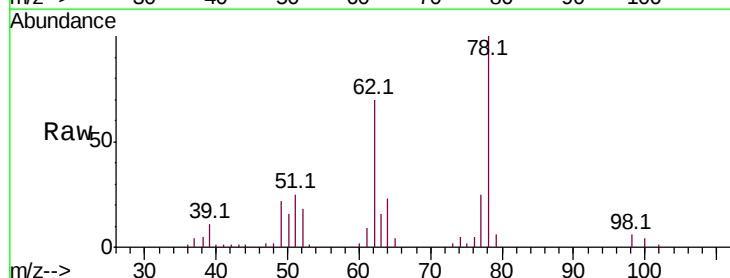
Acq: 17 Dec 2018 23:33

Tgt Ion: 62 Resp: 31346

Ion Ratio Lower Upper

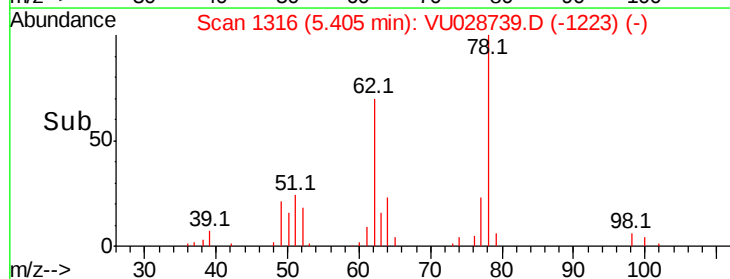
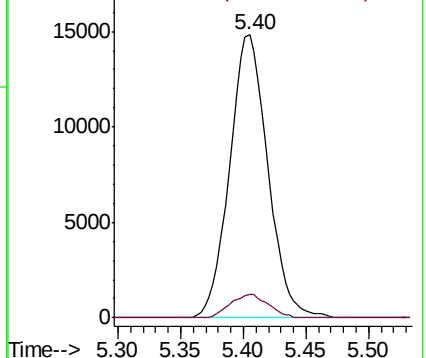
62 100

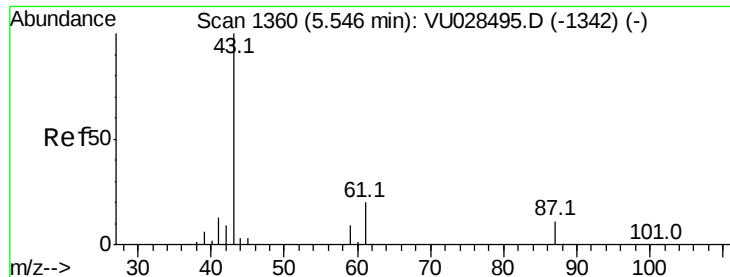
98 8.3 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 22.011 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

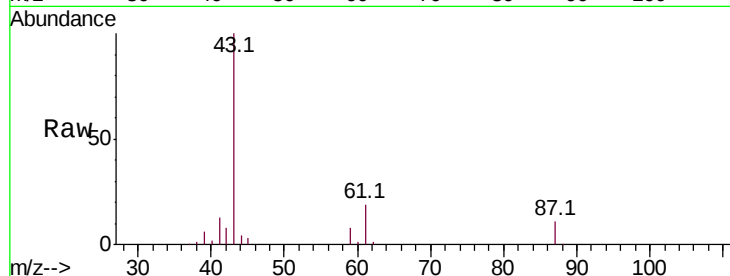
Tot Ion: 43 Resp: 65067

Ion Ratio Lower Upper

43 100

61 18.6 15.5 23.3

87 10.7 8.7 13.1



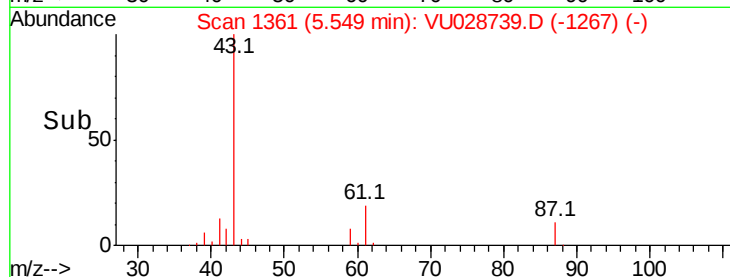
Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

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

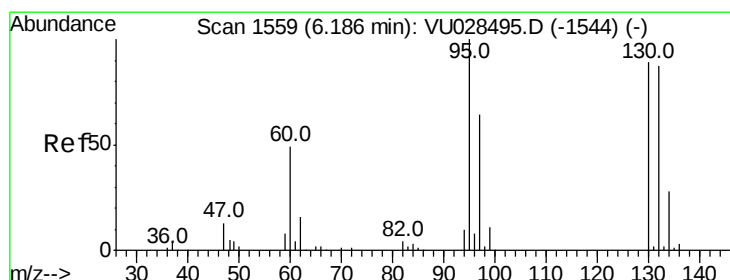
Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)

5.55

Time-->



Time-->



#44

Trichloroethene

Concen: 20.497 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028739.D

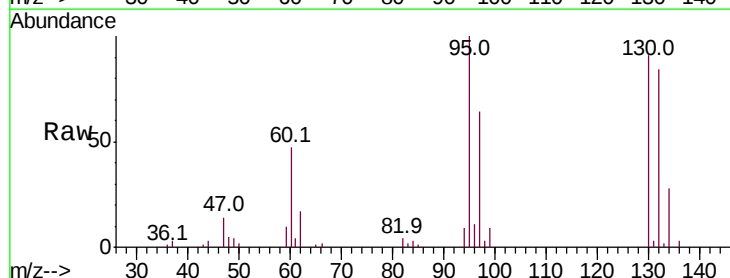
Acq: 17 Dec 2018 23:33

Tgt Ion:130 Resp: 19406

Ion Ratio Lower Upper

130 100

95 109.9 0.0 224.0

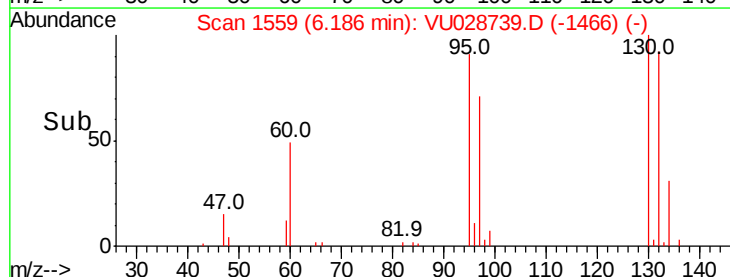


Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

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

6.19

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 21.856 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

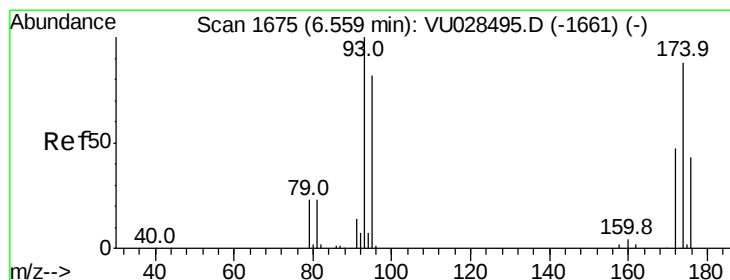
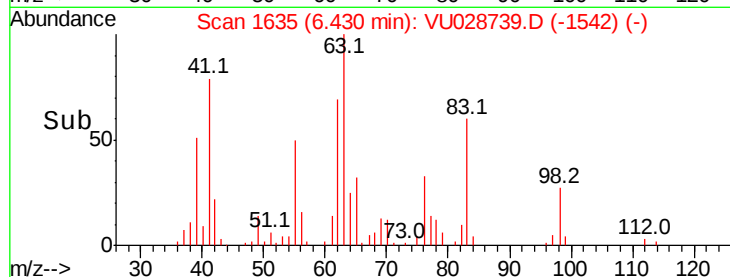
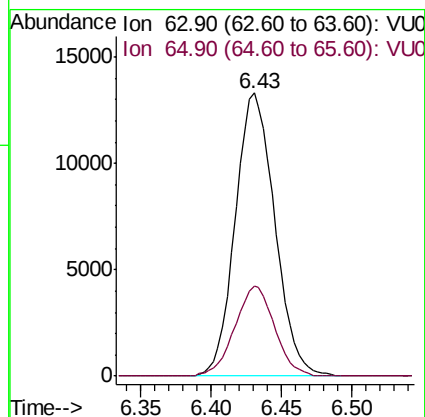
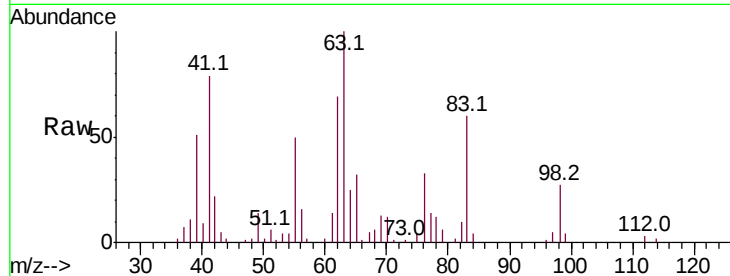
ClientSampleId :

Tot Ion: 63 Resp: 26170

Ion Ratio Lower Upper

63 100

65 31.8 24.2 36.4



#46

Dibromomethane

Concen: 21.420 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

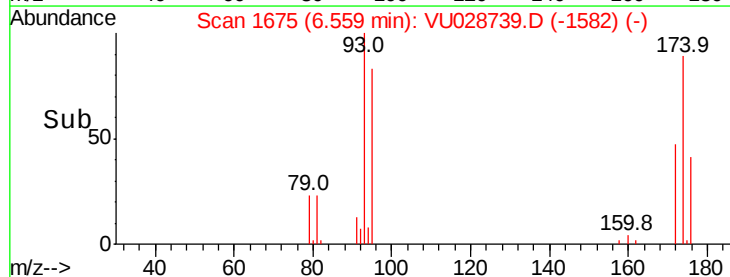
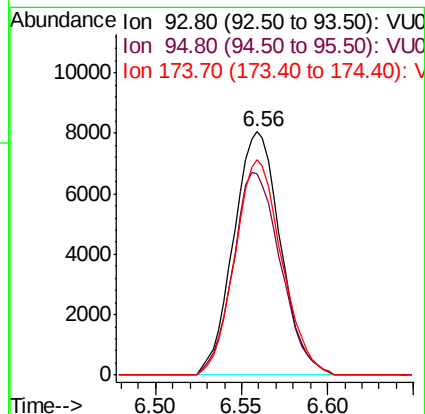
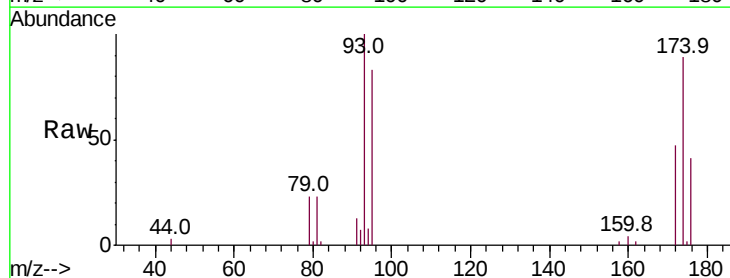
Tgt Ion: 93 Resp: 15218

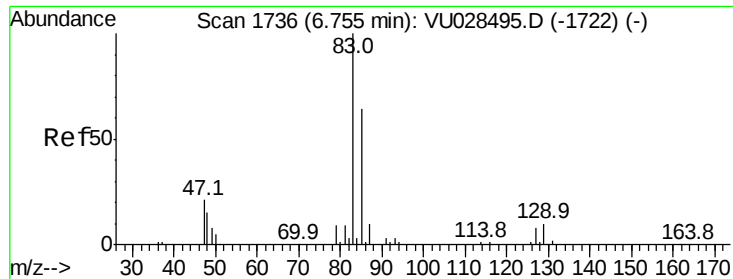
Ion Ratio Lower Upper

93 100

95 84.6 65.4 98.2

174 88.4 72.2 108.4





#47

Bromodichloromethane

Concen: 21.319 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

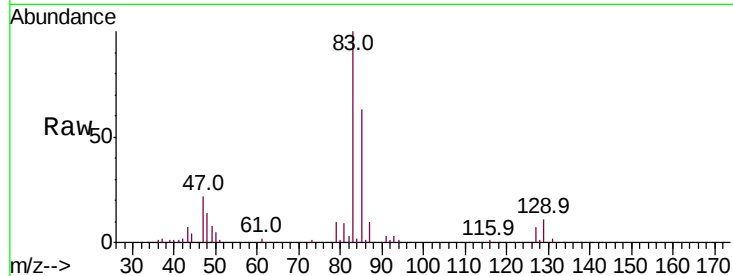
Tot Ion: 83 Resp: 29473

Ion Ratio Lower Upper

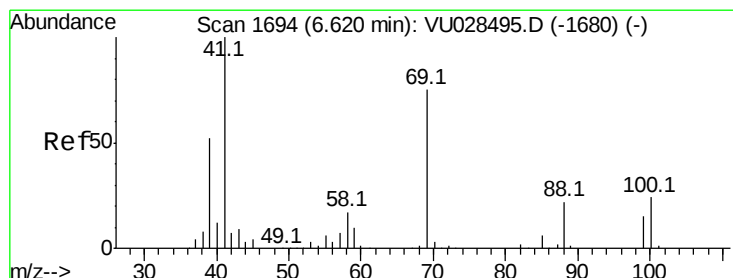
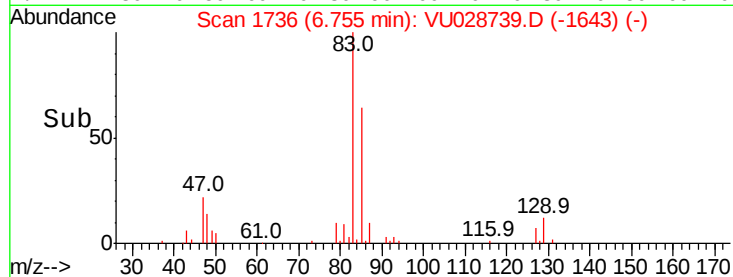
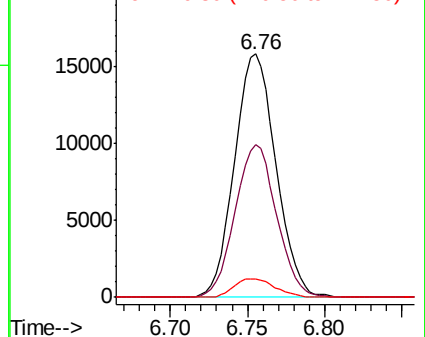
83 100

85 62.9 51.5 77.3

127 7.3 6.2 9.4



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



#48

Methyl methacrylate

Concen: 21.730 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

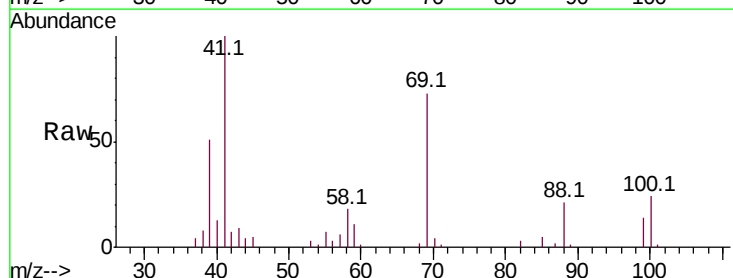
Tgt Ion: 41 Resp: 31944

Ion Ratio Lower Upper

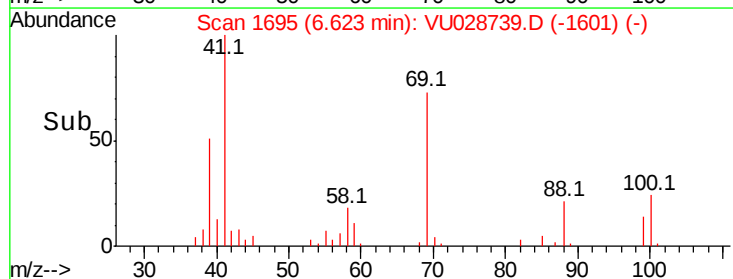
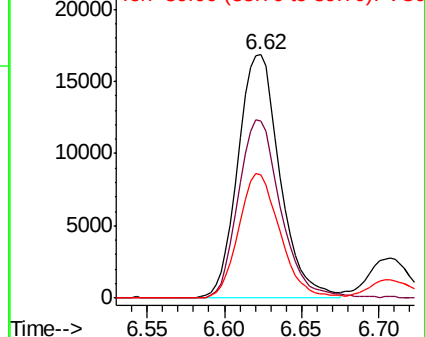
41 100

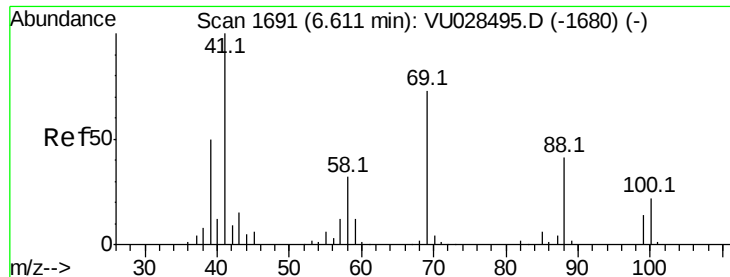
69 73.7 60.4 90.6

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

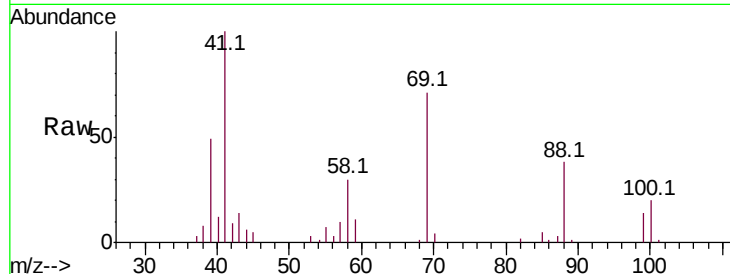




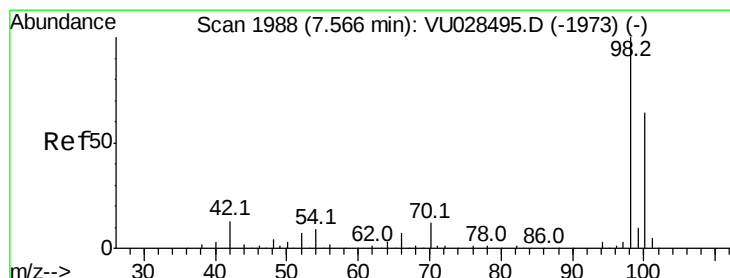
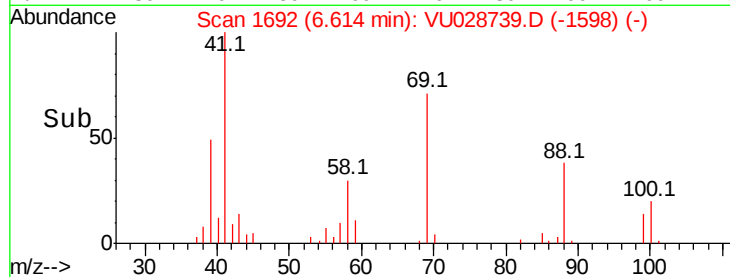
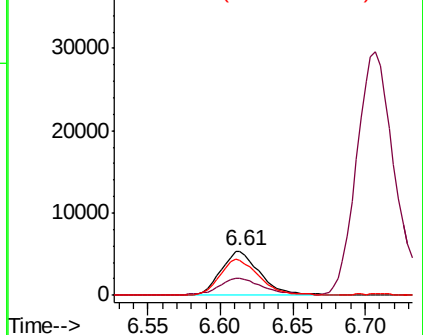
#49
1,4-Dioxane
Concen: 433.356 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 10059
Ion Ratio Lower Upper
88 100
43 45.1 30.9 46.3
58 82.4 62.4 93.6

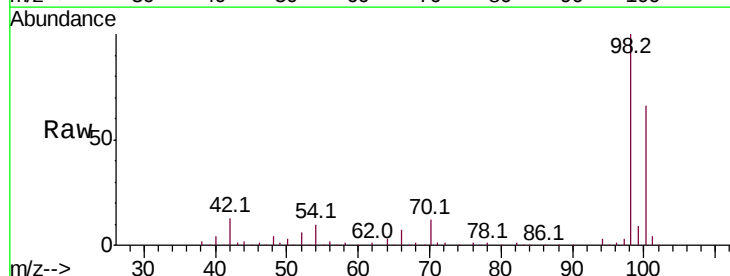


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

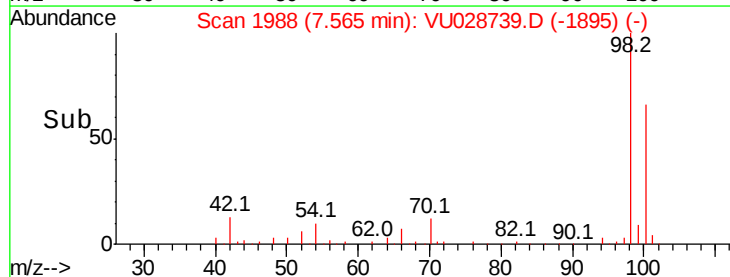
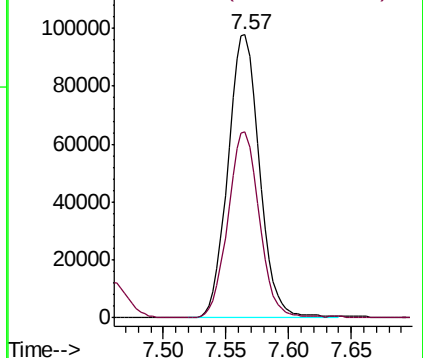


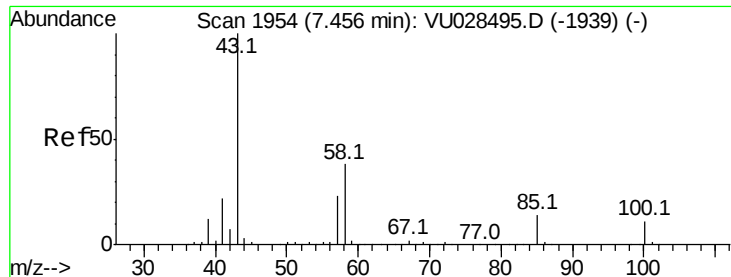
#50
Toluene-d8
Concen: 52.030 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 98 Resp: 171124
Ion Ratio Lower Upper
98 100
100 64.7 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: 109.234 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

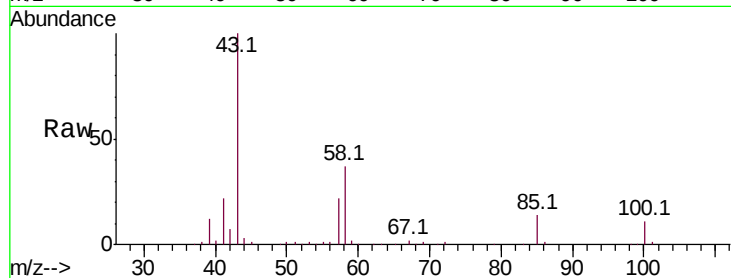
ClientSampleId :

Tot Ion: 43 Resp: 203659

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

120000

100000

80000

60000

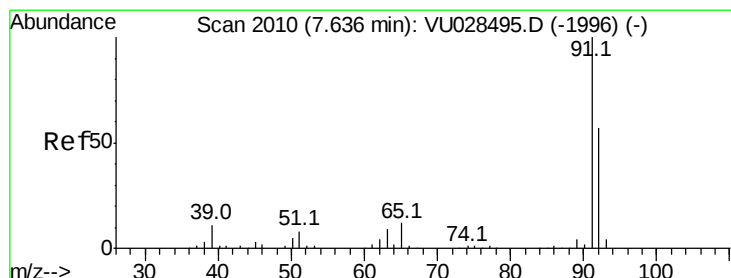
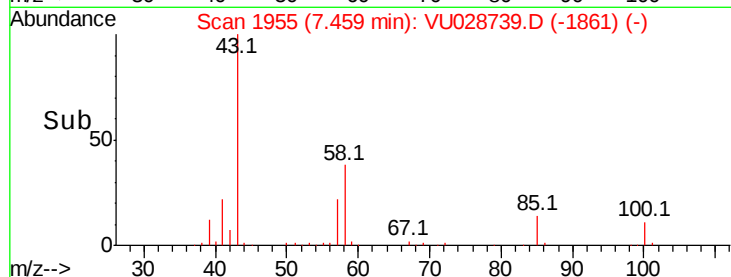
40000

20000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 20.895 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028739.D

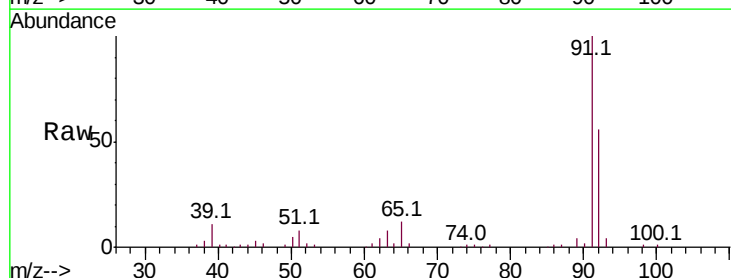
Acq: 17 Dec 2018 23:33

Tgt Ion: 92 Resp: 52362

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

60000

50000

40000

30000

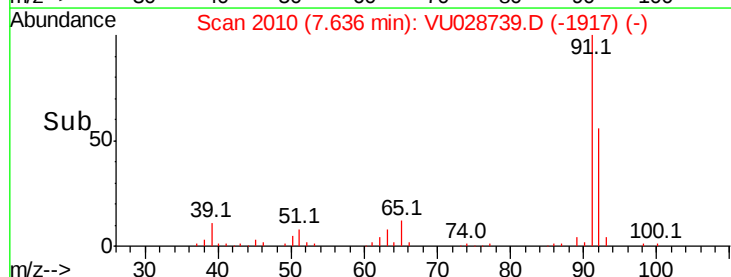
20000

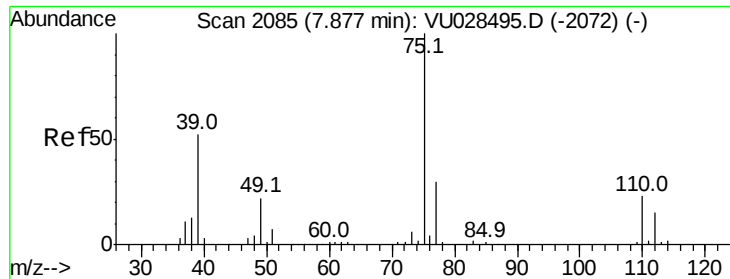
10000

0

Time-->

7.60 7.64 7.68





#53

t-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

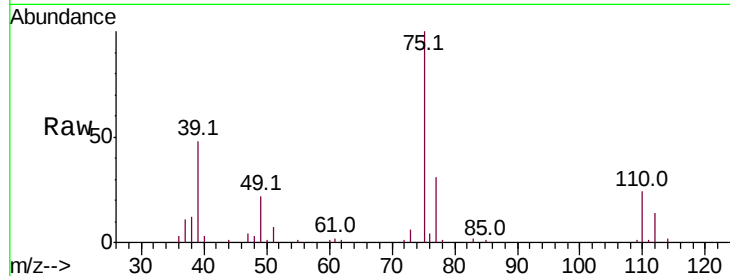
ClientSampled :

Tot Ion: 75 Resp: 33071

Ion Ratio Lower Upper

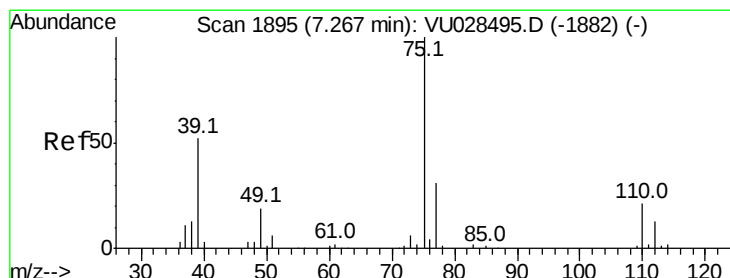
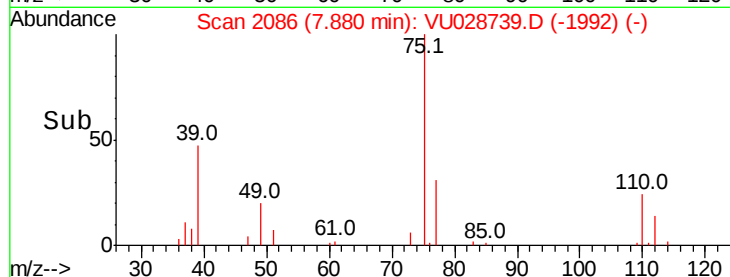
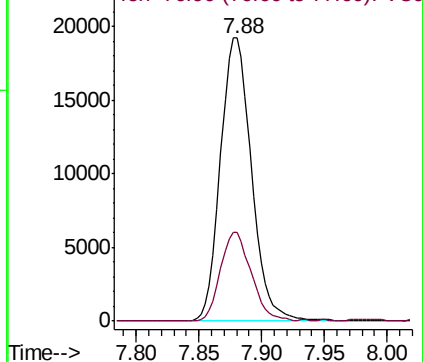
75 100

77 31.4 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: 20.368 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

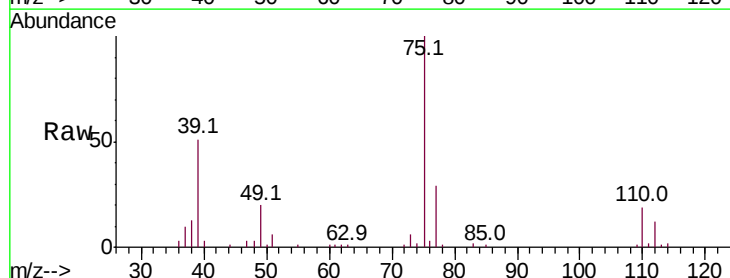
Tgt Ion: 75 Resp: 36384

Ion Ratio Lower Upper

75 100

77 29.4 25.0 37.4

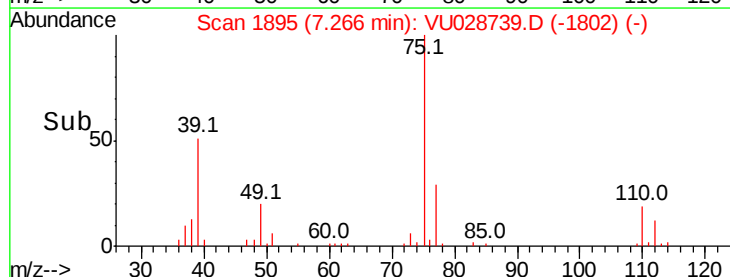
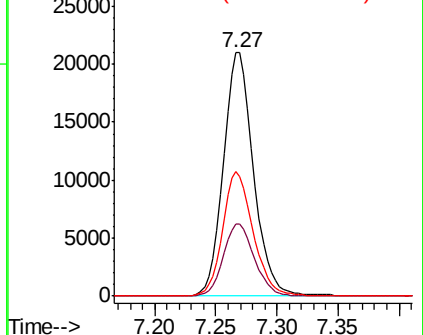
39 51.0 41.3 61.9



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

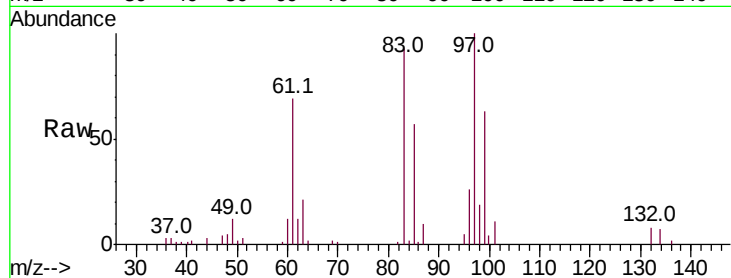




#55
 1,1,2-Trichloroethane
 Concen: 21.716 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	21512
Ion	Ratio	Lower	Upper
97	100		
83	92.8	72.4	108.6
85	56.9	46.0	69.0
99	62.9	47.4	71.2



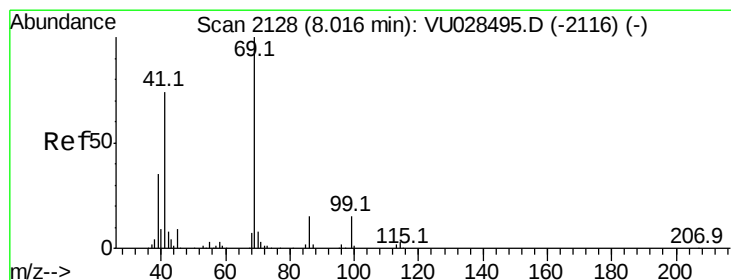
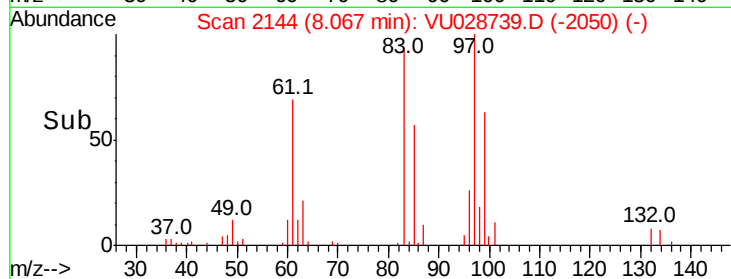
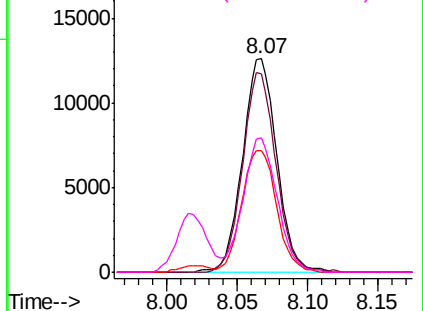
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

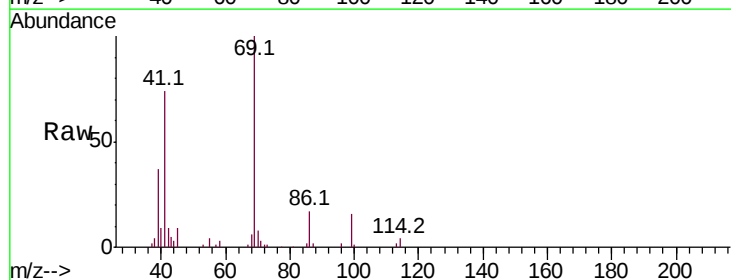
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 20.821 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion:	69	Resp:	35320
Ion	Ratio	Lower	Upper
69	100		
41	74.2	59.1	88.7
39	37.4	28.4	42.6

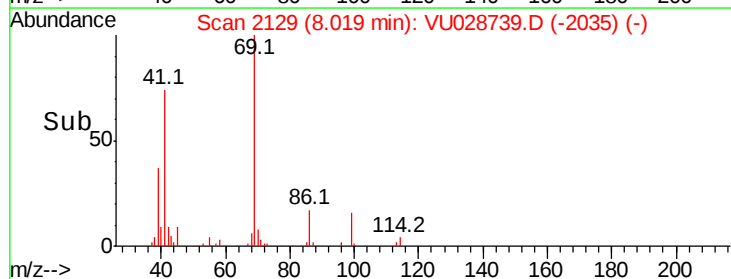
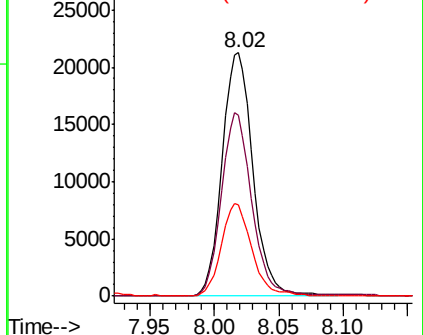


Abundance

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: 20.882 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

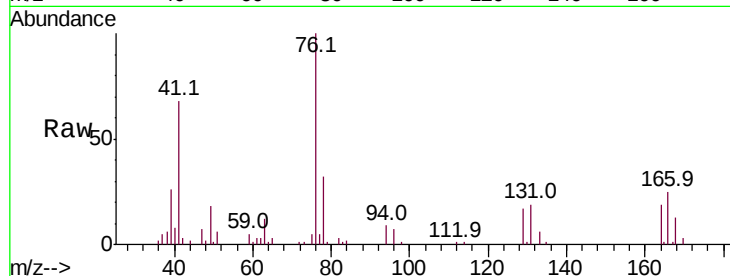
ClientSampled :

Tot Ion: 76 Resp: 38399

Ion Ratio Lower Upper

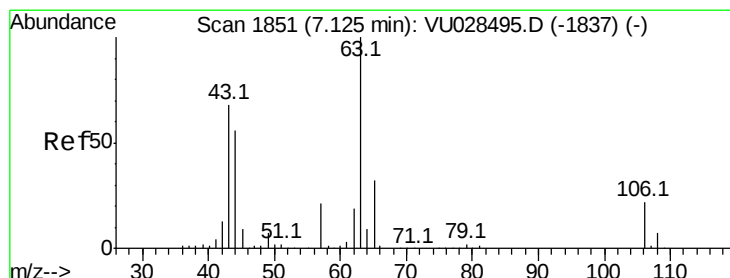
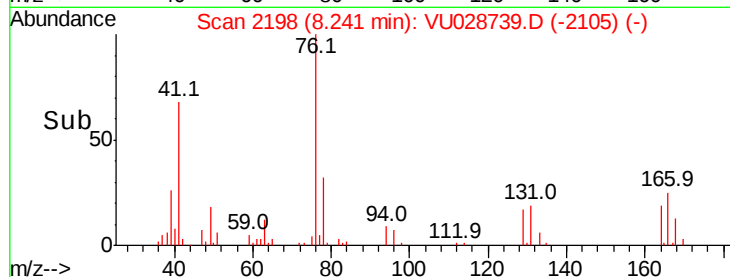
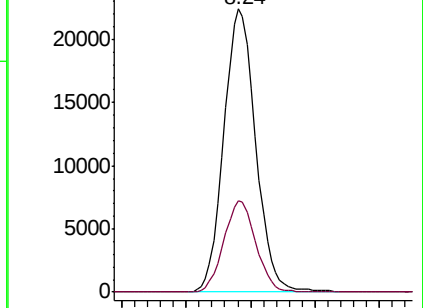
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 104.757 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028739.D

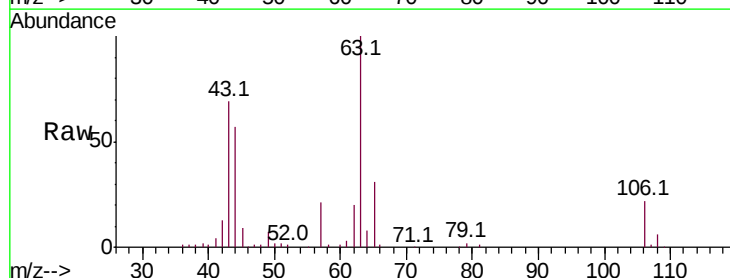
Acq: 17 Dec 2018 23:33

Tgt Ion: 63 Resp: 91019

Ion Ratio Lower Upper

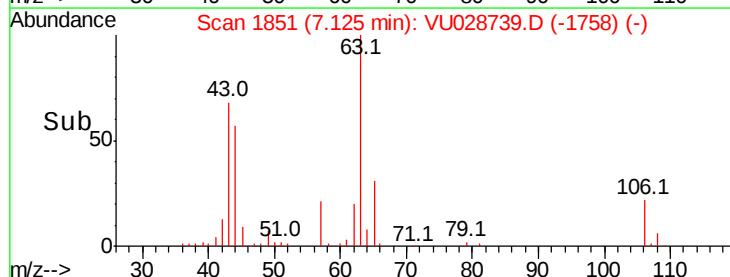
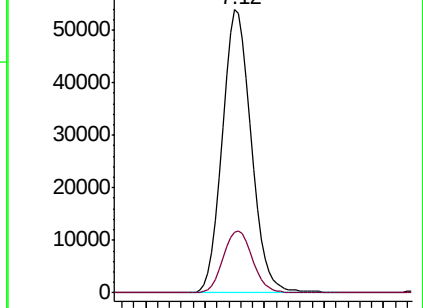
63 100

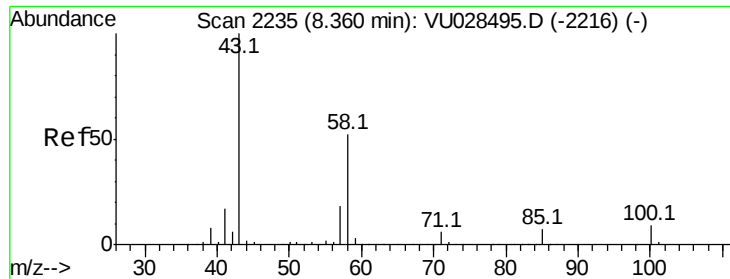
106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

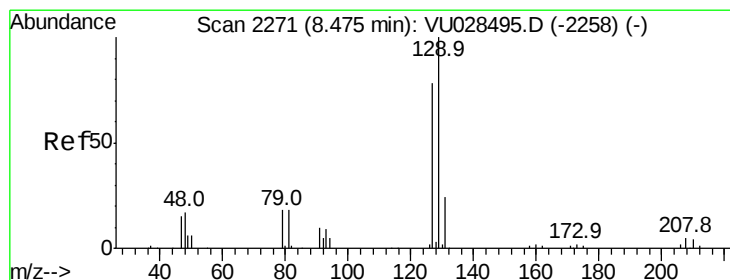
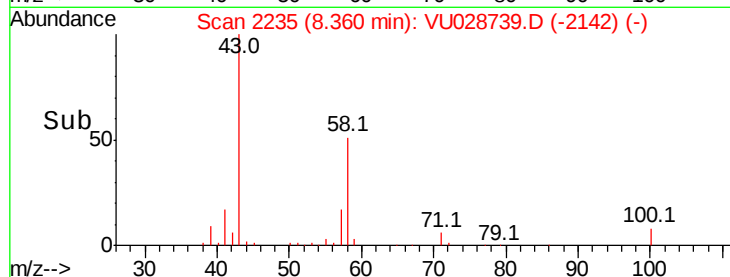
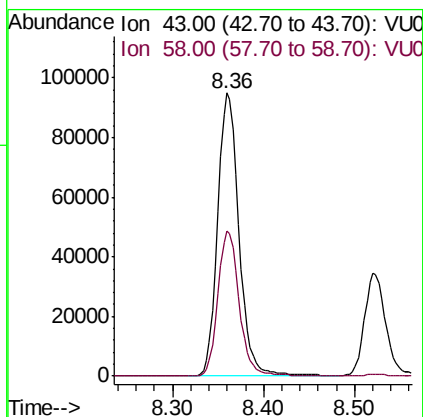
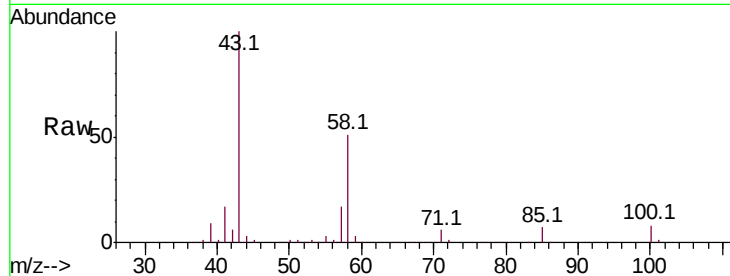




#59
2-Hexanone
Concen: 105.012 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

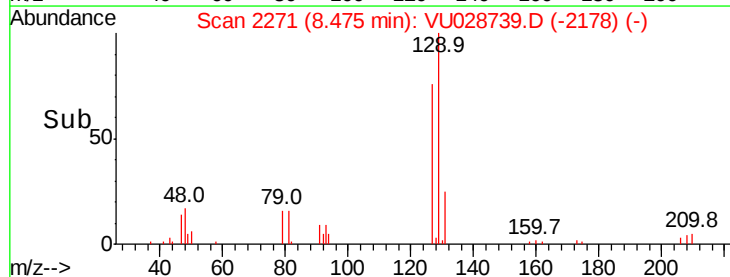
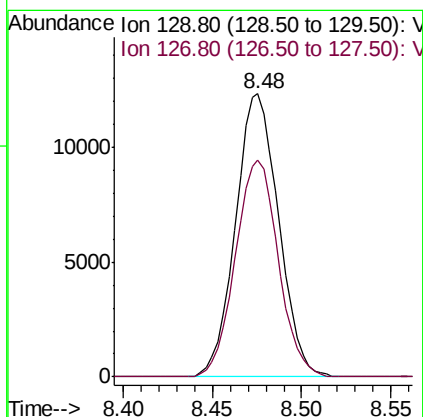
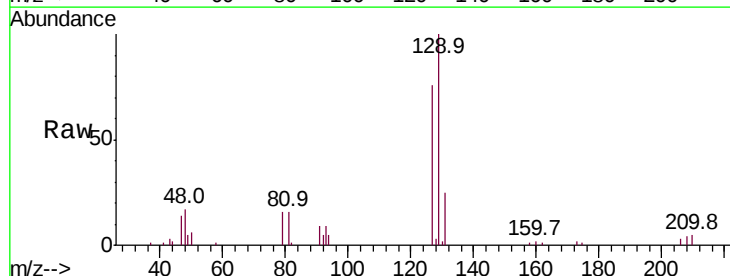
Instrument :
MSVOA_U
ClientSampled :

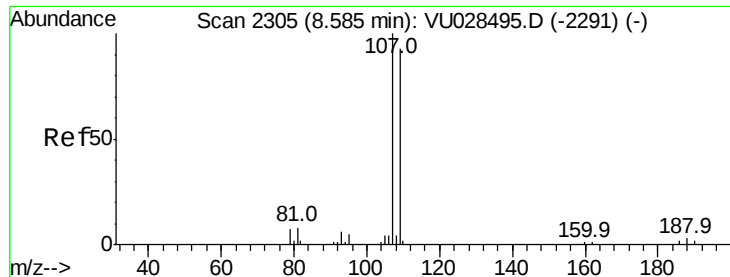
Tot Ion: 43 Resp: 155183
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.6



#60
Dibromochloromethane
Concen: 21.362 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 129 Resp: 20718
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3

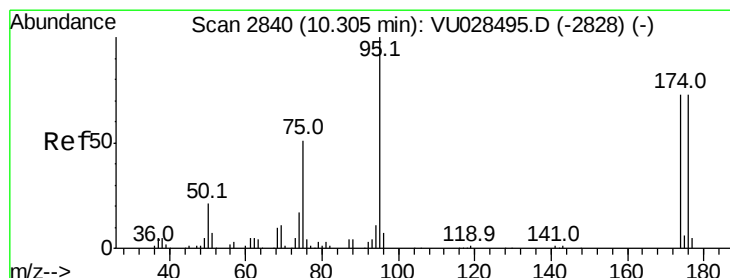
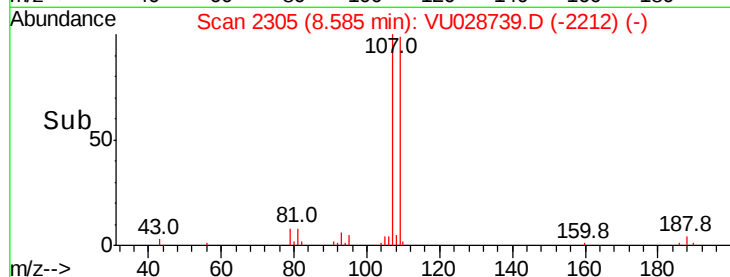
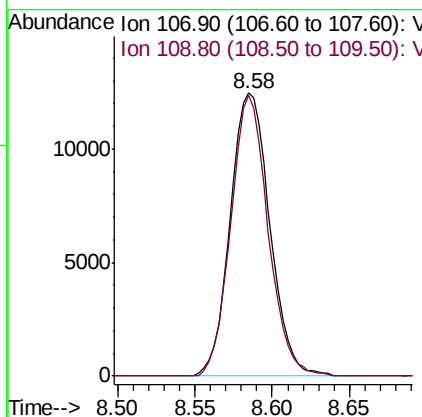
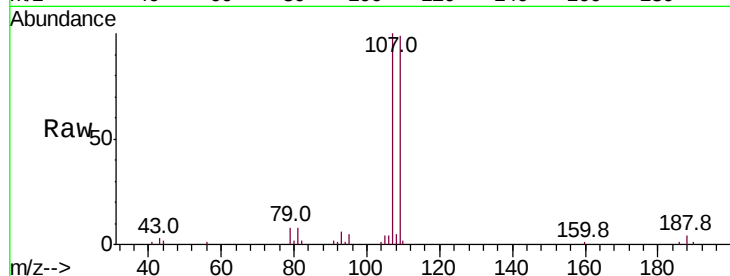




#61
 1,2-Dibromoethane
 Concen: 21.245 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

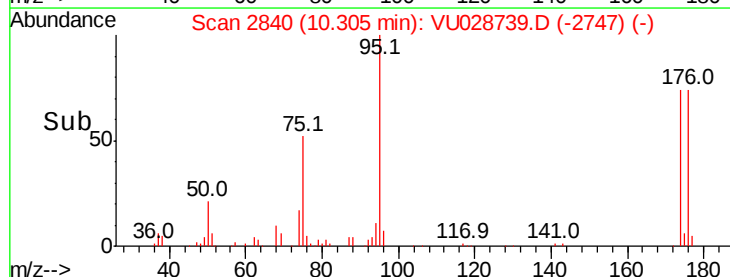
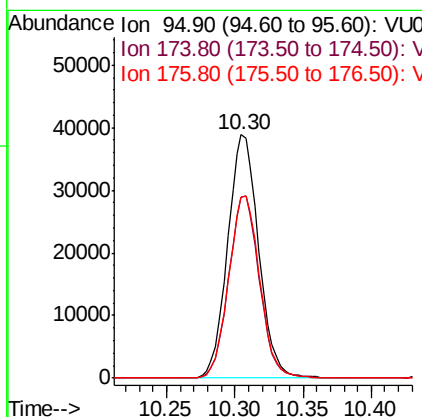
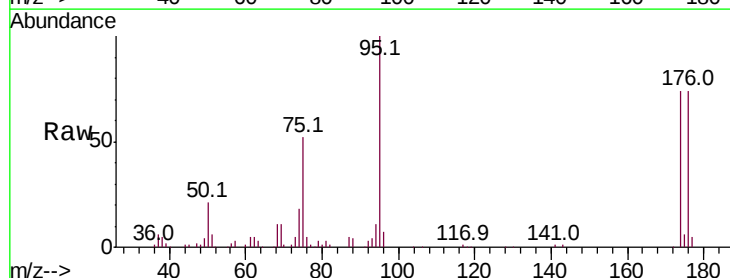
Instrument :
 MSVOA_U
 ClientSampled :

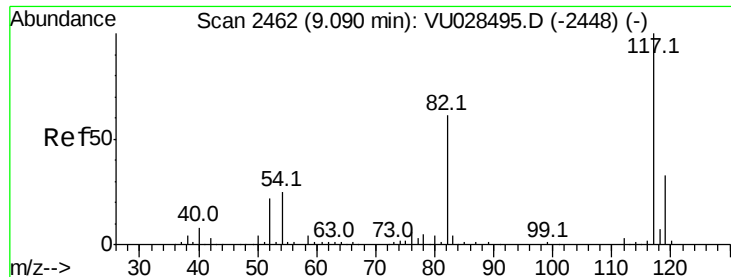
Tot Ion:107 Resp: 22069
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 49.948 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion: 95 Resp: 61401
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 150.4
 176 74.8 0.0 145.2

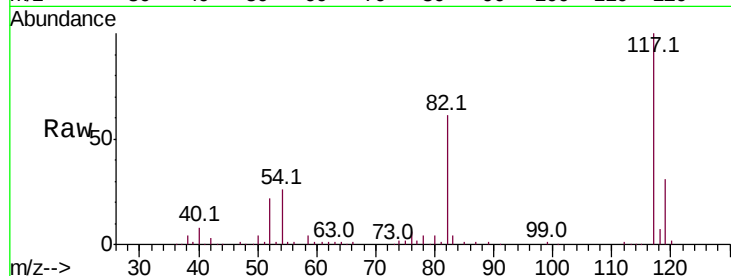




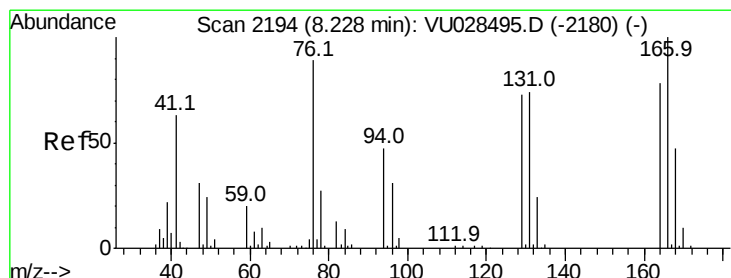
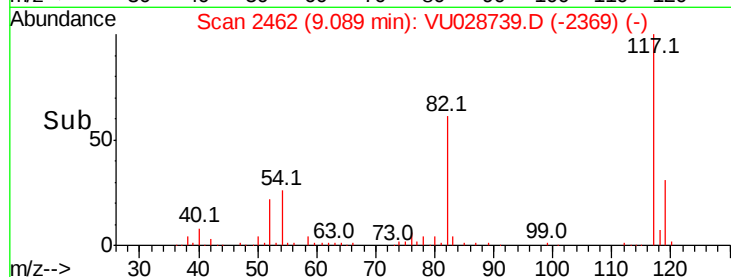
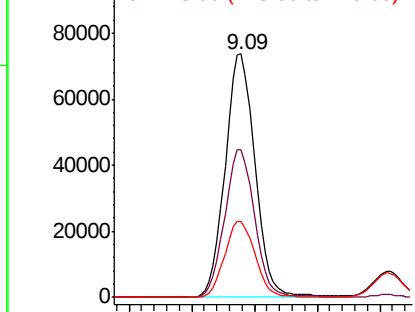
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 122121
Ion Ratio Lower Upper
117 100
82 60.9 48.9 73.3
119 31.3 26.2 39.4

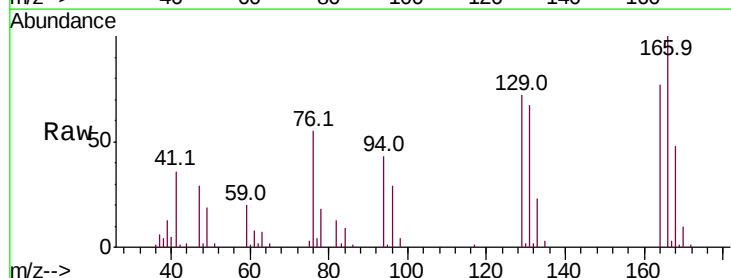


Abundance Ion 116.90 (116.60 to 117.60): V
100000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

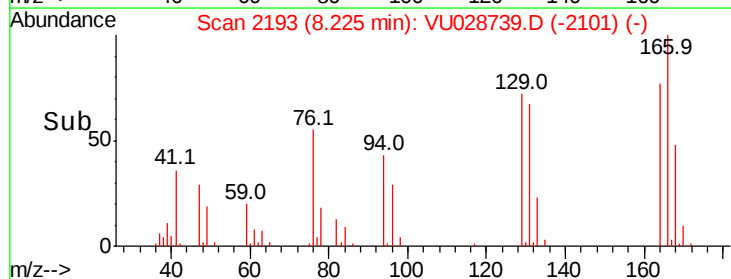
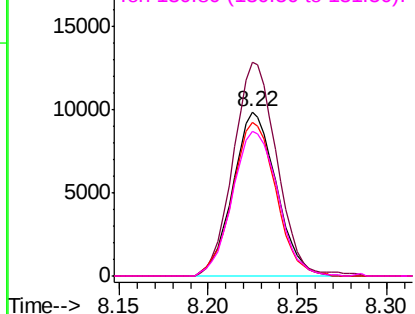


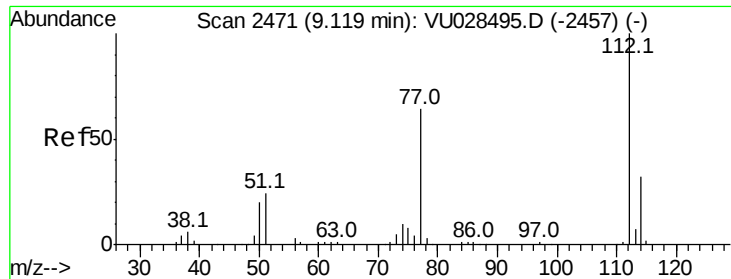
#64
Tetrachloroethene
Concen: 20.427 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion:164 Resp: 16639
Ion Ratio Lower Upper
164 100
166 130.3 101.9 152.9
129 93.7 74.9 112.3
131 87.9 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

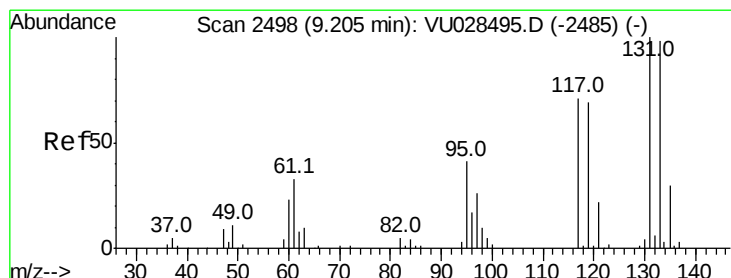
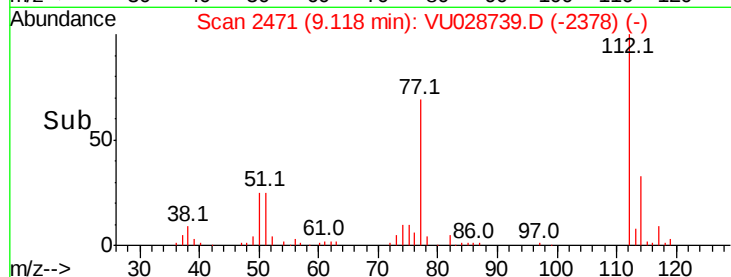
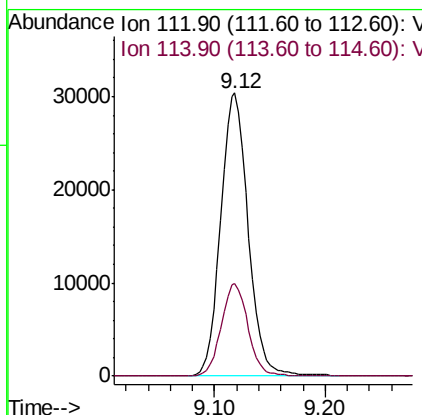
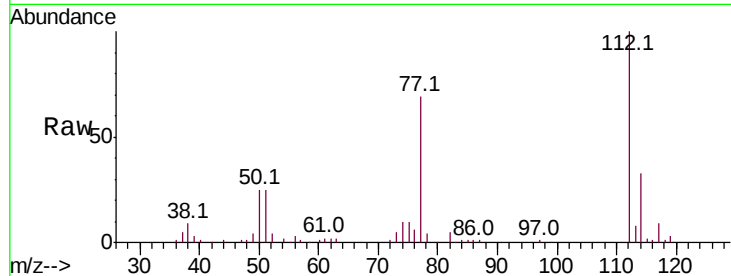




#65
Chlorobenzene
Concen: 20.177 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

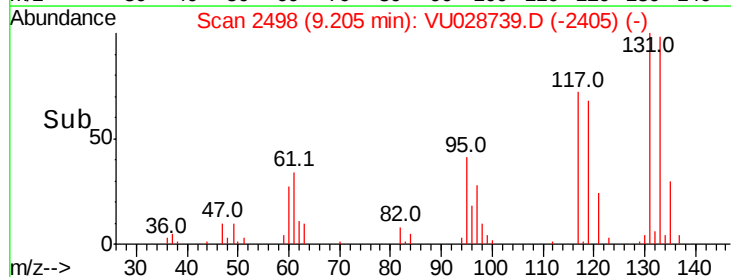
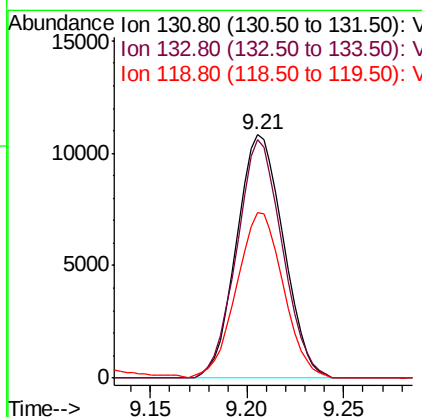
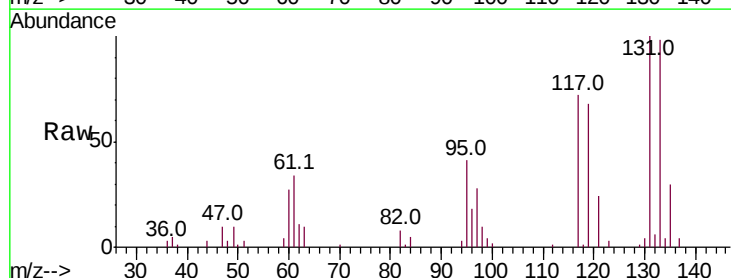
Instrument :
MSVOA_U
ClientSampleId :

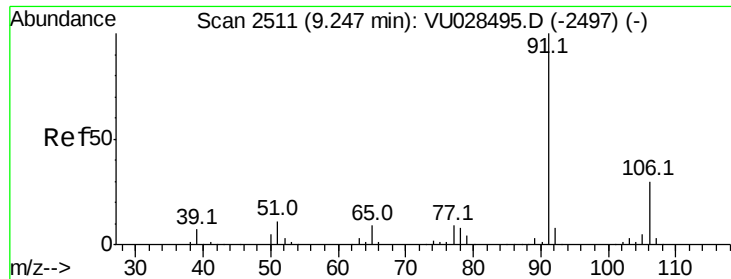
Tot Ion:112 Resp: 52507
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.961 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion:131 Resp: 18249
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 67.9 34.6 103.9

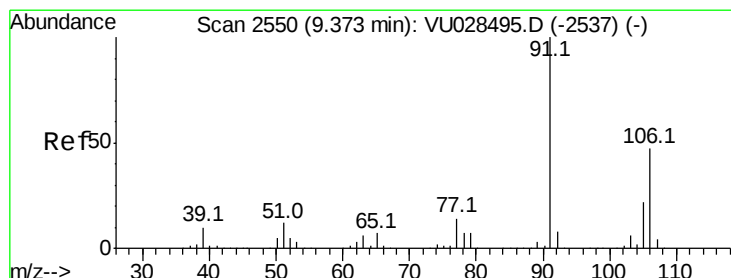
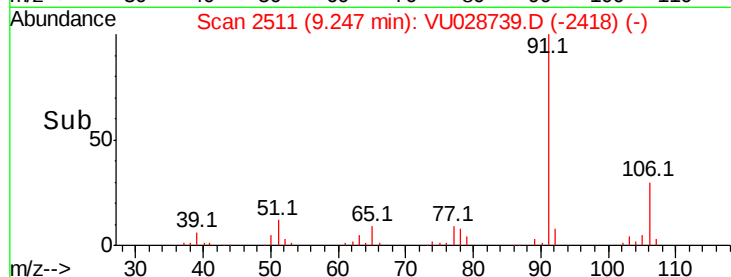
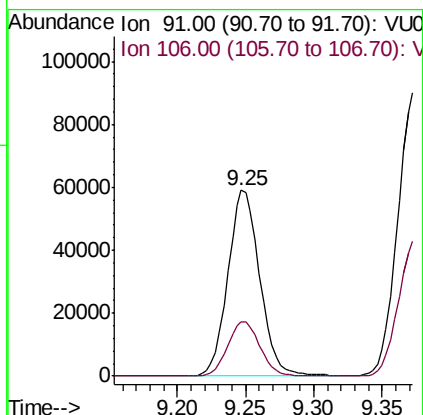
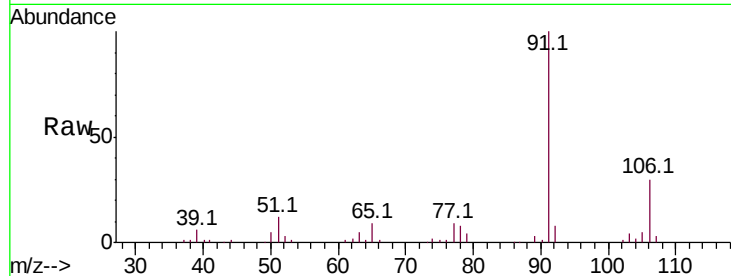




#67
Ethyl Benzene
Concen: 20.096 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

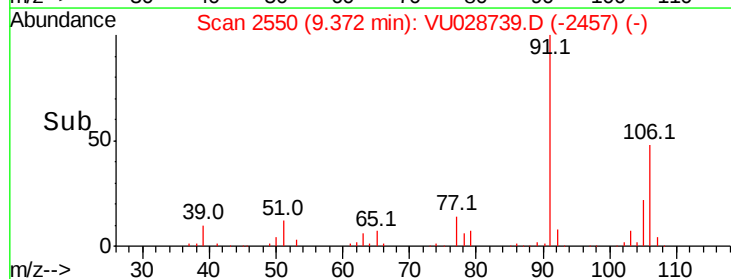
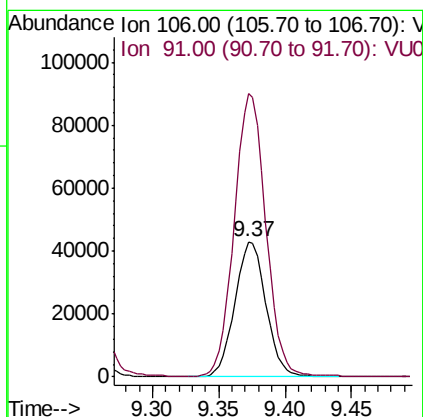
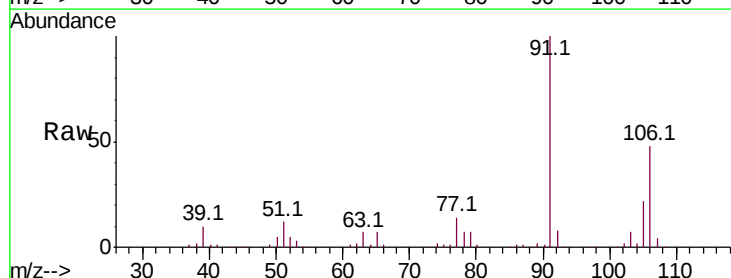
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 96135
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#68
m/p-Xylenes
Concen: 40.414 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion: 106 Resp: 70349
Ion Ratio Lower Upper
106 100
91 212.6 167.4 251.0

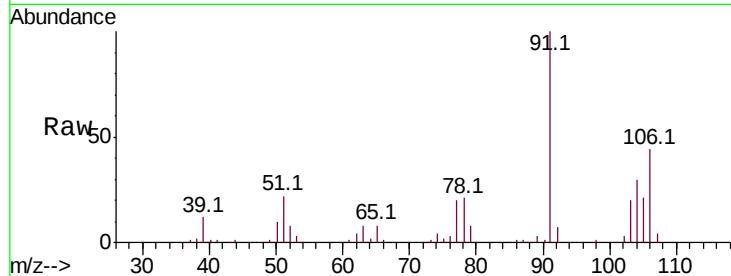




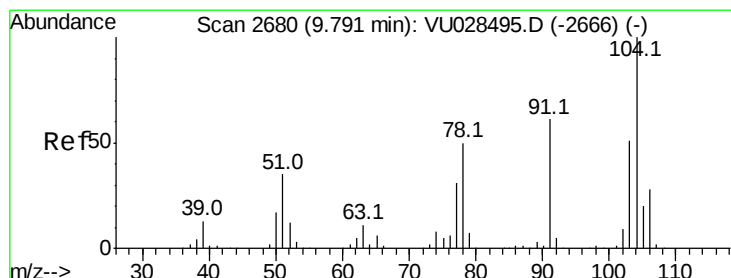
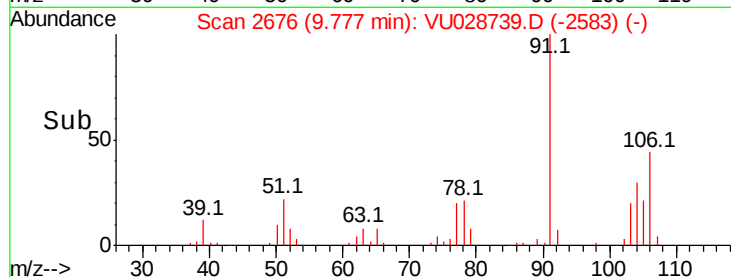
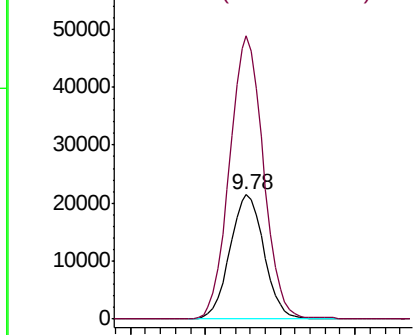
#69
o-Xylene
Concen: 20.172 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 34123
Ion Ratio Lower Upper
106 100
91 224.2 111.3 334.0

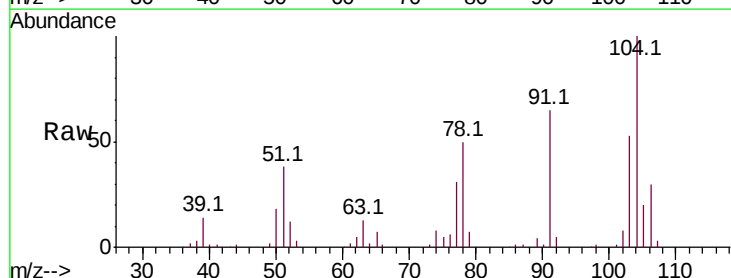


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

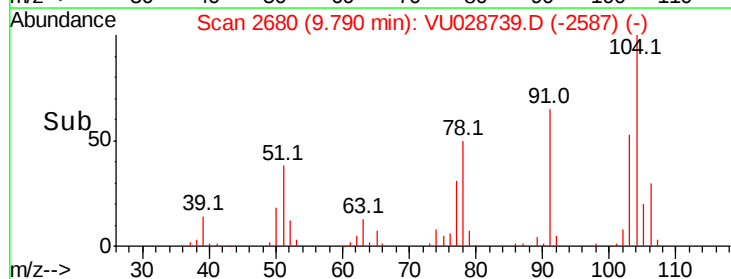
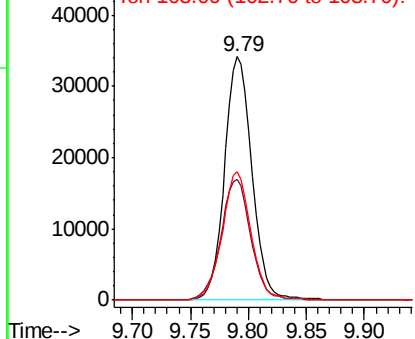


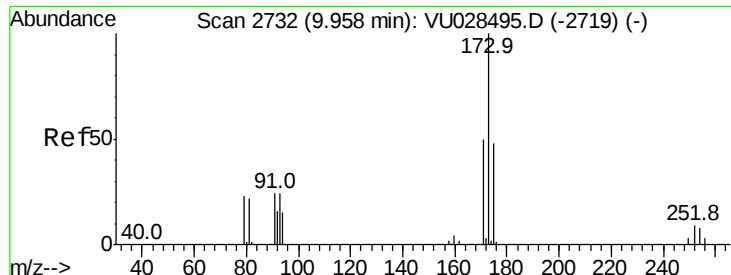
#70
Styrene
Concen: 20.043 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion:104 Resp: 56109
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.6
103 55.4 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: 21.640 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

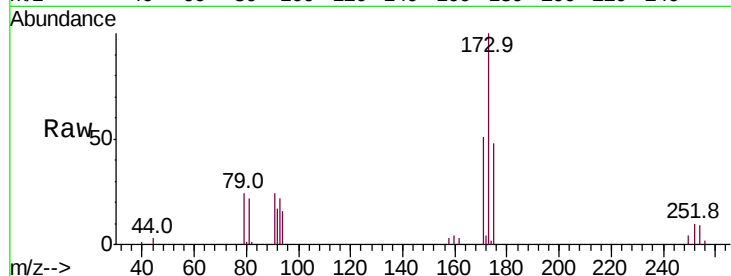
Tot Ion:173 Resp: 15298

Ion Ratio Lower Upper

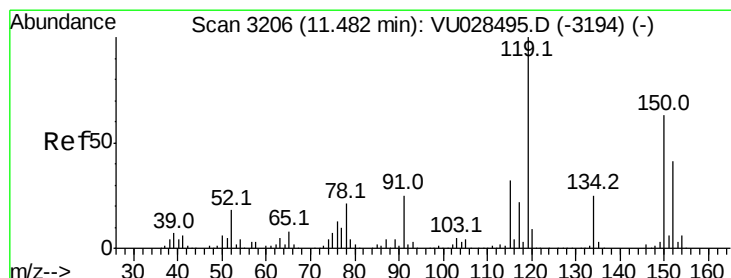
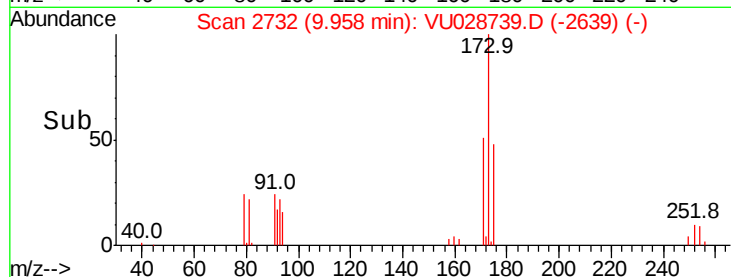
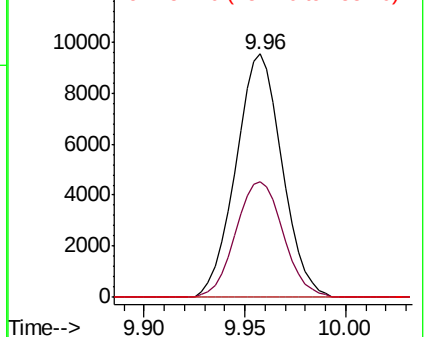
173 100

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: VU028739.D

Acq: 17 Dec 2018 23:33

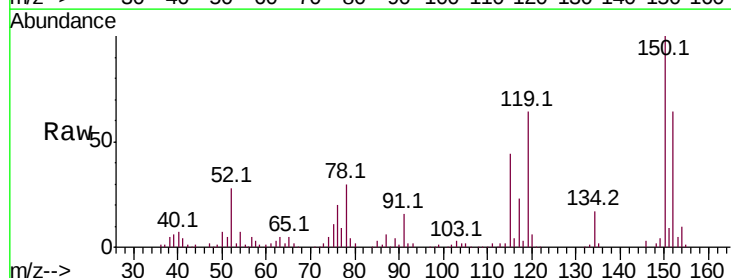
Tgt Ion:152 Resp: 56066

Ion Ratio Lower Upper

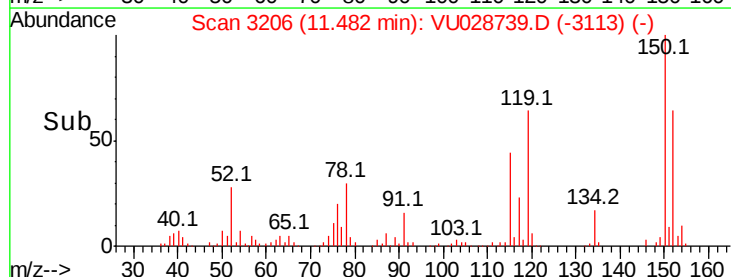
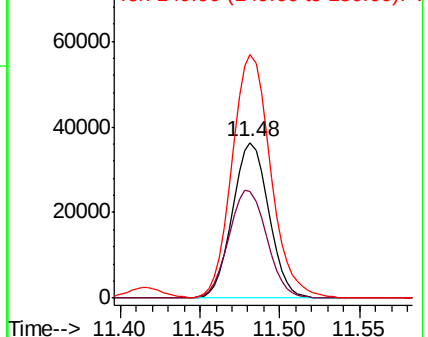
152 100

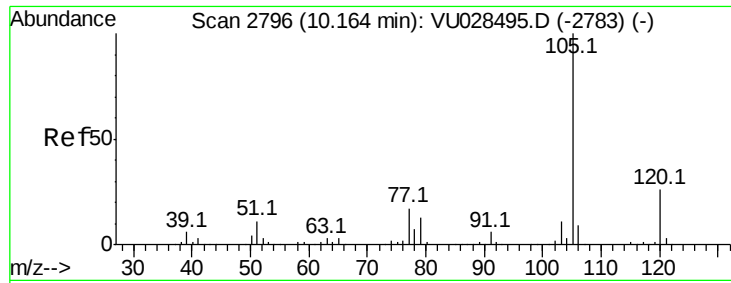
115 72.9 42.7 128.1

150 166.8 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: 21.064 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

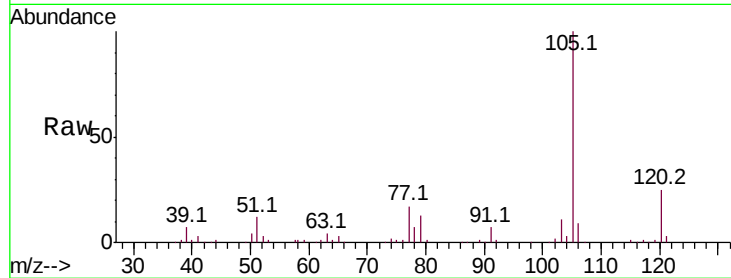
ClientSampleId :

Tot Ion:105 Resp: 90621

Ion Ratio Lower Upper

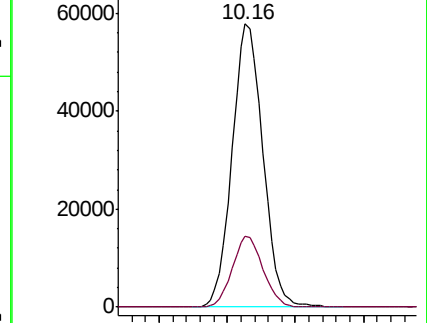
105 100

120 25.0 12.9 38.6

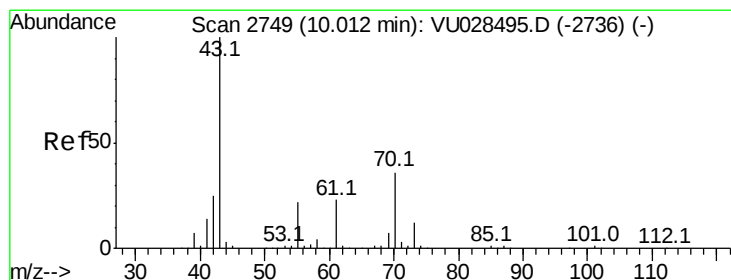
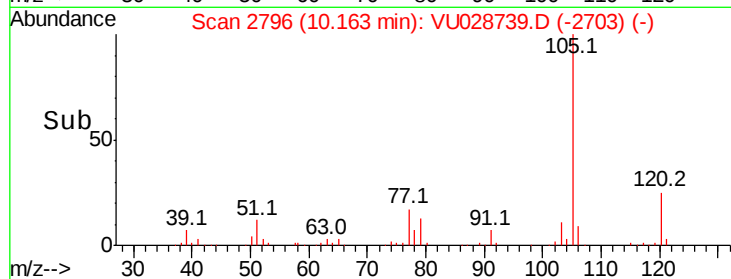


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 22.224 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Tgt Ion: 43 Resp: 55152

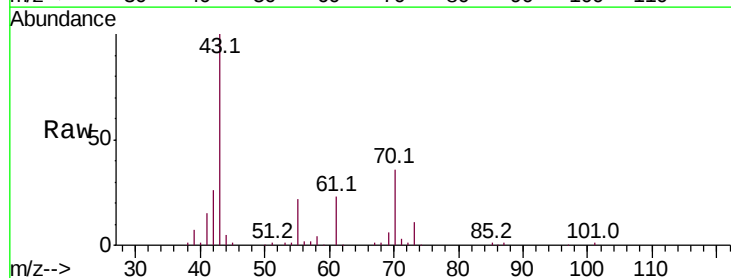
Ion Ratio Lower Upper

43 100

70 35.4 29.3 43.9

55 22.0 18.0 27.0

61 22.7 18.3 27.5

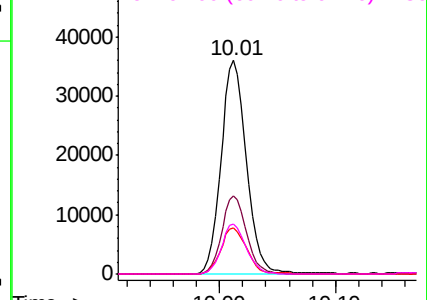


Abundance Ion 43.00 (42.70 to 43.70): VU0

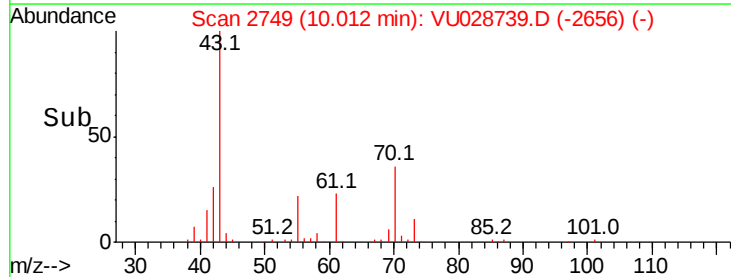
Ion 70.00 (69.70 to 70.70): VU0

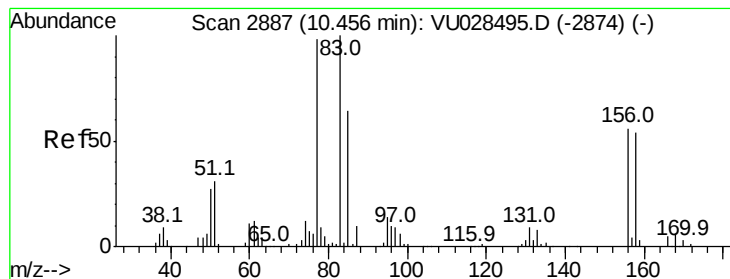
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.087 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

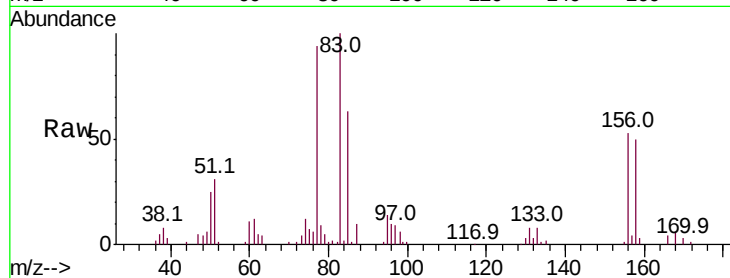
Tot Ion: 83 Resp: 38154

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

85 62.9 31.8 95.4

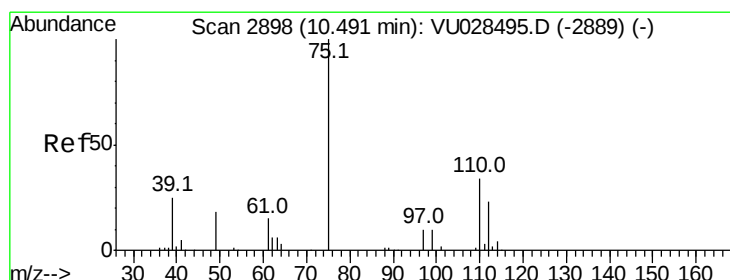
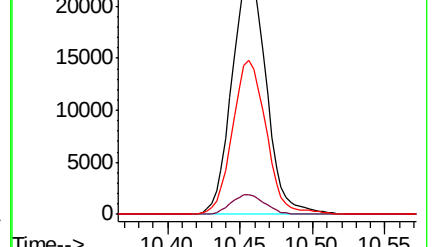
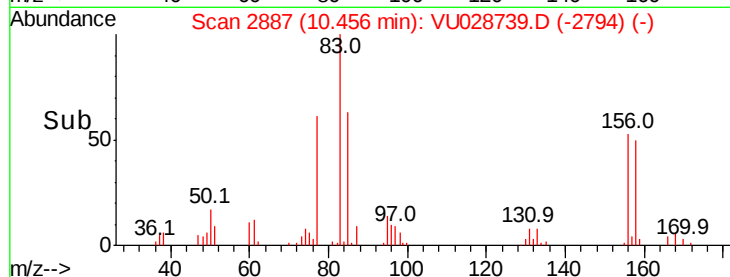


Abundance Ion 82.90 (82.60 to 83.60): VU028739.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028739.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028739.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.964 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028739.D

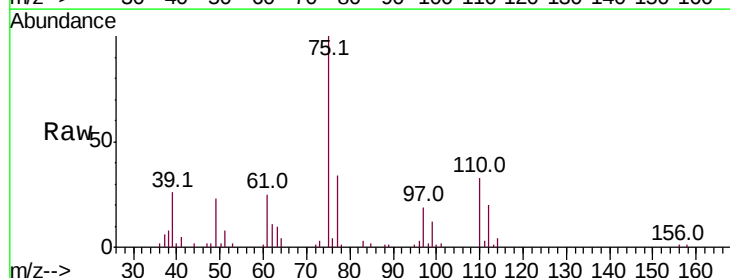
Acq: 17 Dec 2018 23:33

Tgt Ion: 75 Resp: 44330

Ion Ratio Lower Upper

75 100

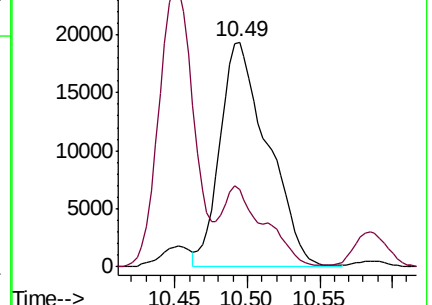
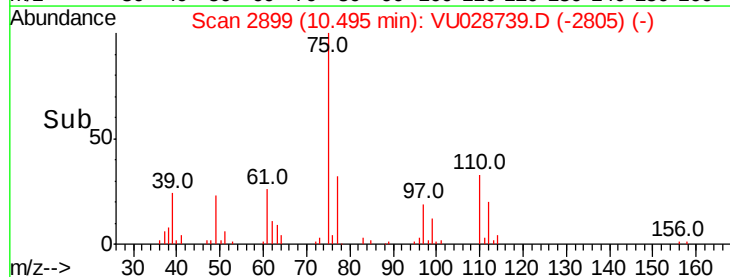
77 31.2 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028739.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028739.D (-2805) (-)

Time-->





#77

Bromobenzene

Concen: 22.117 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

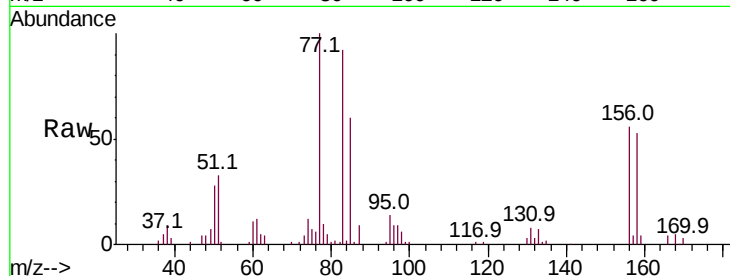
ClientSampleId :

Tot Ion:156 Resp: 22253

Ion	Ratio	Lower	Upper
156	100		
77	183.6	92.4	277.2
158	95.4	48.4	145.3

77 183.6 92.4 277.2

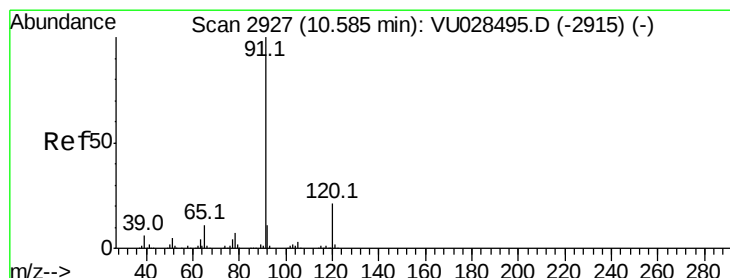
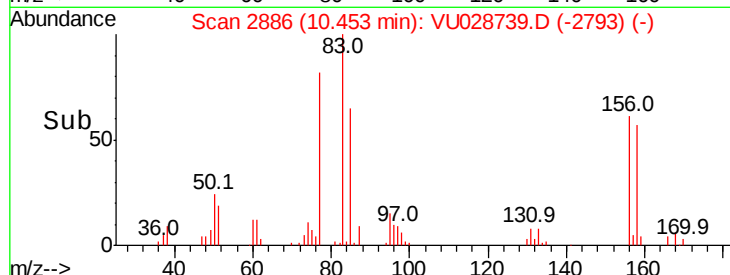
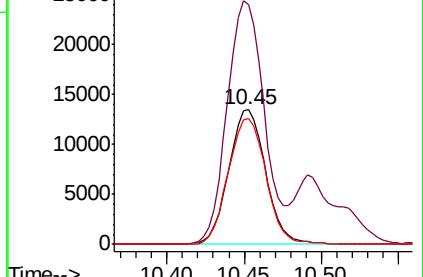
158 95.4 48.4 145.3



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: 20.717 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028739.D

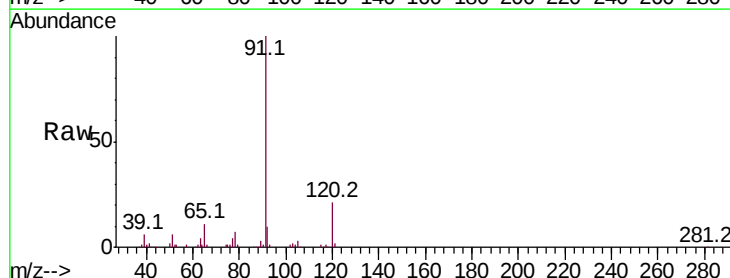
Acq: 17 Dec 2018 23:33

Tgt Ion: 91 Resp: 110749

Ion	Ratio	Lower	Upper
91	100		
120	20.8	10.6	31.8

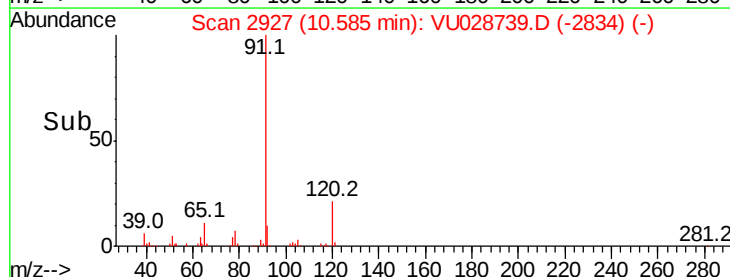
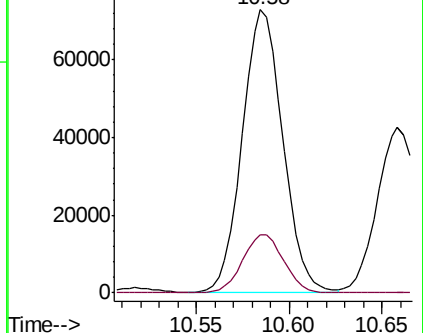
91 100

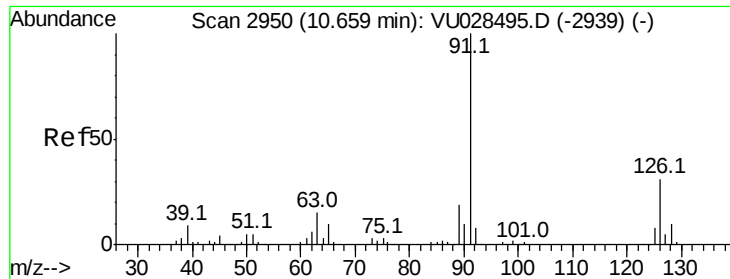
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

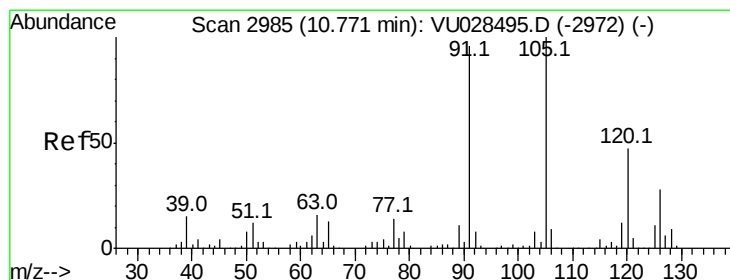
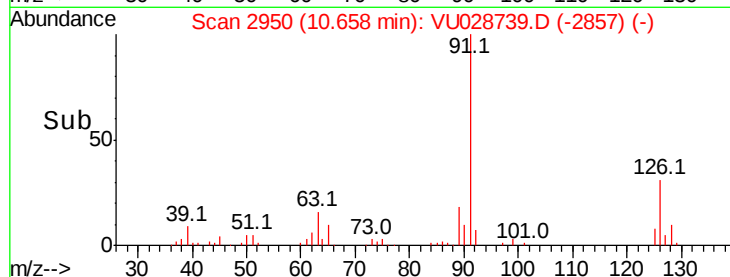
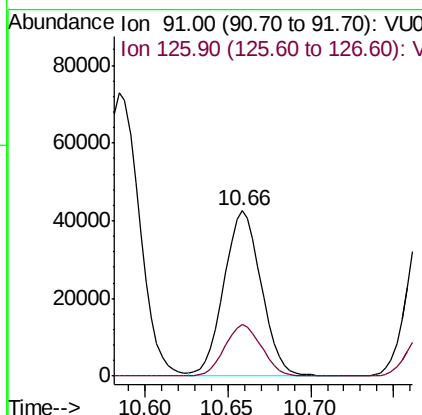
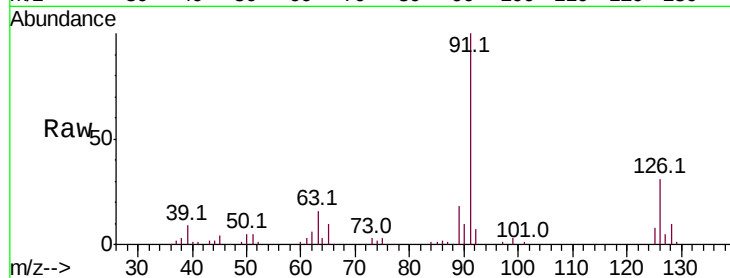




#79
 2-Chlorotoluene
 Concen: 21.753 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

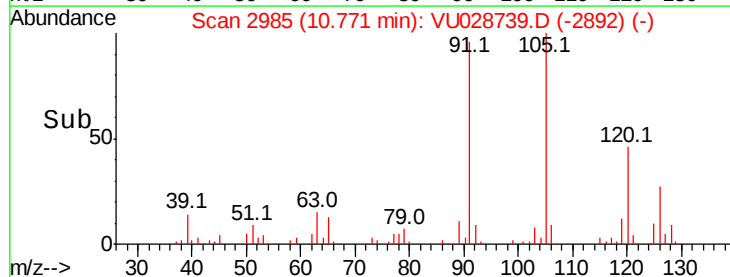
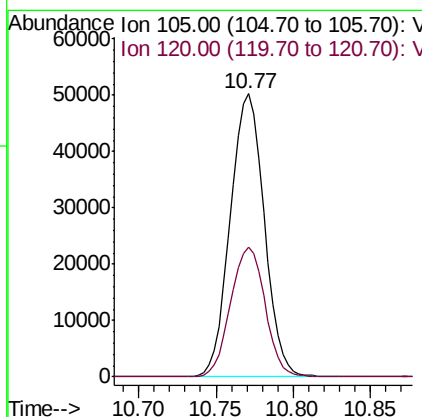
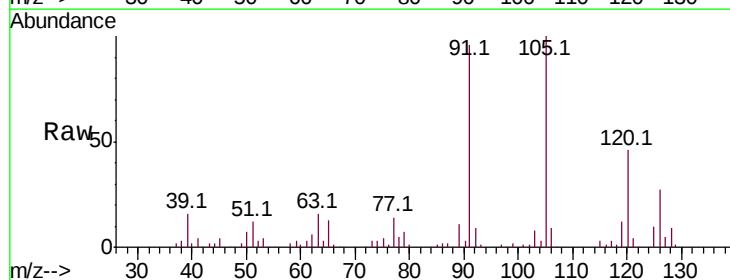
Instrument :
 MSVOA_U
 ClientSampled :

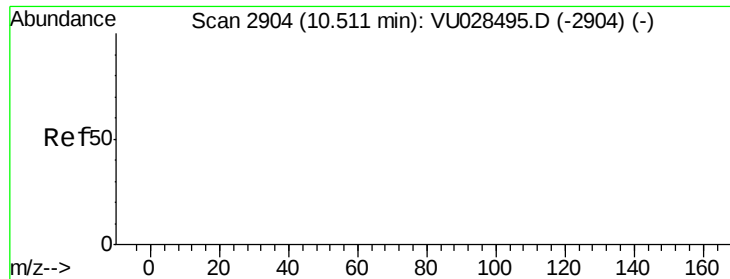
Tot Ion: 91 Resp: 66983
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.503 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion:105 Resp: 76575
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 75.857 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

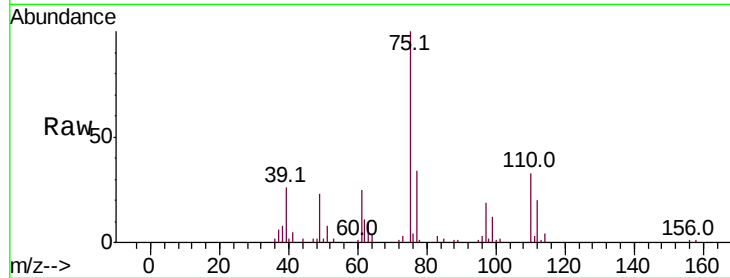
Tot Ion: 75 Resp: 44330

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

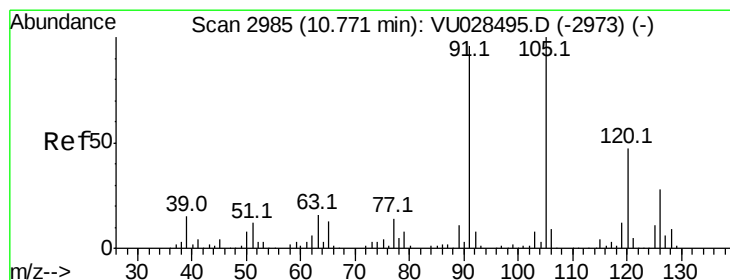
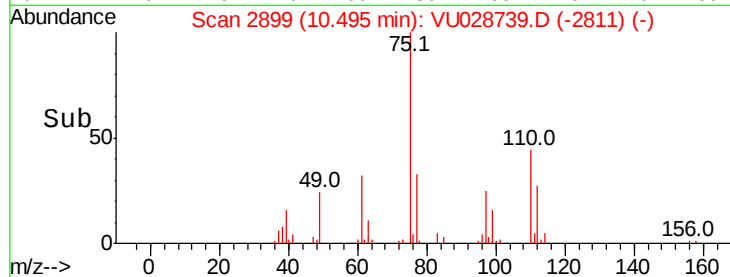
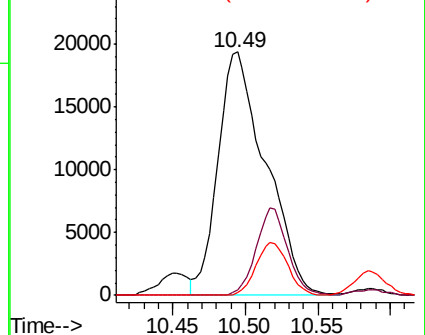
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.925 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028739.D

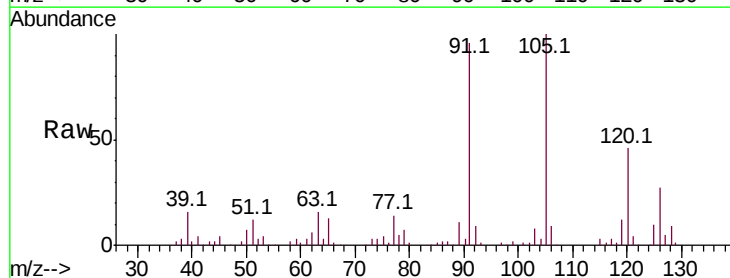
Acq: 17 Dec 2018 23:33

Tgt Ion: 91 Resp: 76356

Ion Ratio Lower Upper

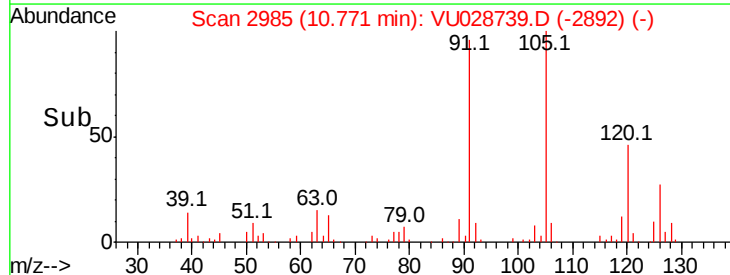
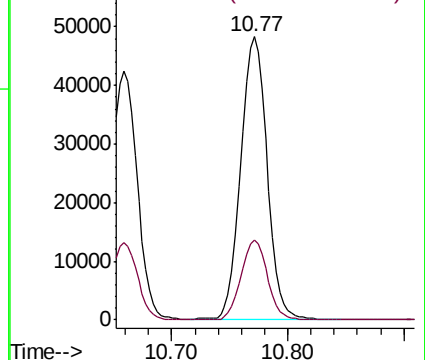
91 100

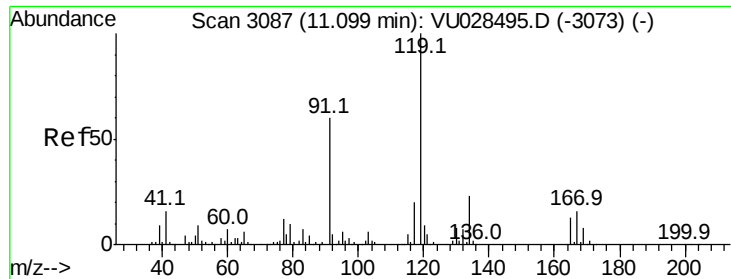
126 28.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

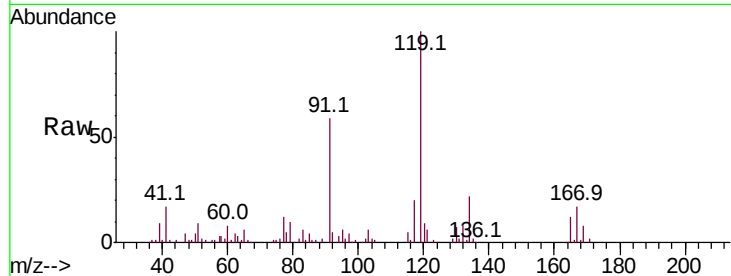




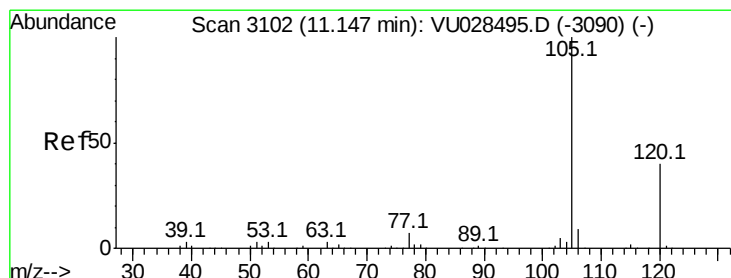
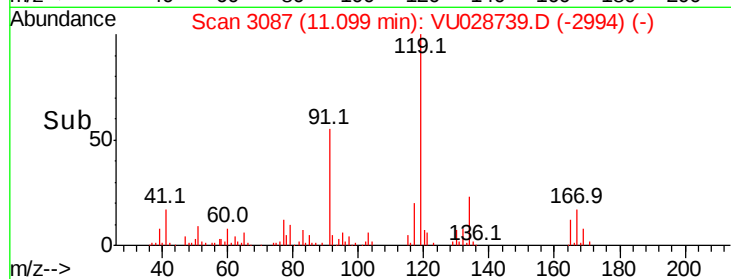
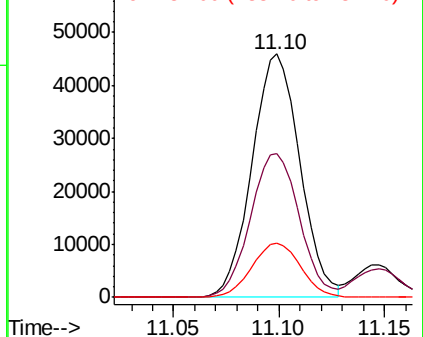
#83
tert-Butylbenzene
Concen: 21.160 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 72630
Ion Ratio Lower Upper
119 100
91 60.6 30.3 91.0
134 22.8 11.2 33.5

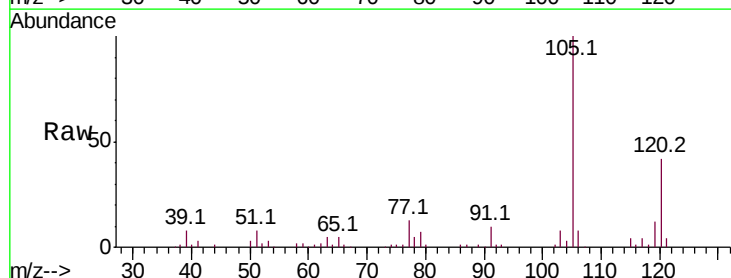


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

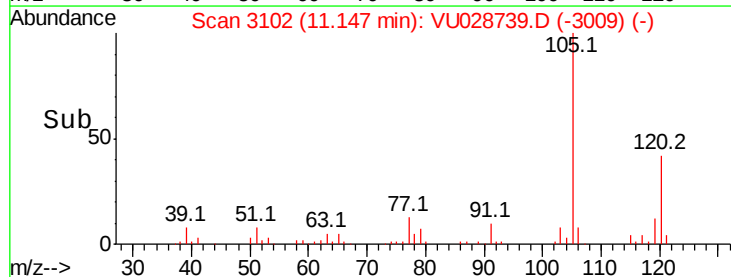
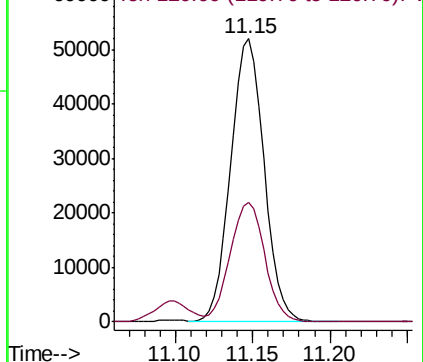


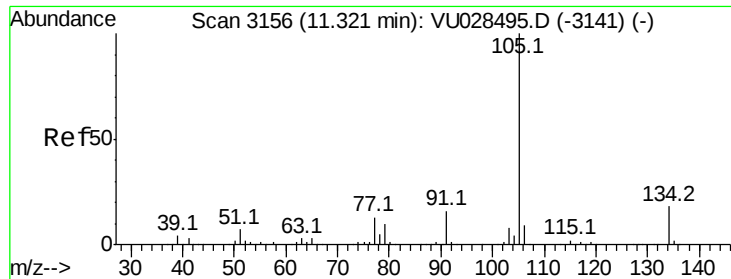
#84
1,2,4-Trimethylbenzene
Concen: 21.266 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028739.D
Acq: 17 Dec 2018 23:33

Tgt Ion:105 Resp: 78047
Ion Ratio Lower Upper
105 100
120 43.6 21.8 65.4



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

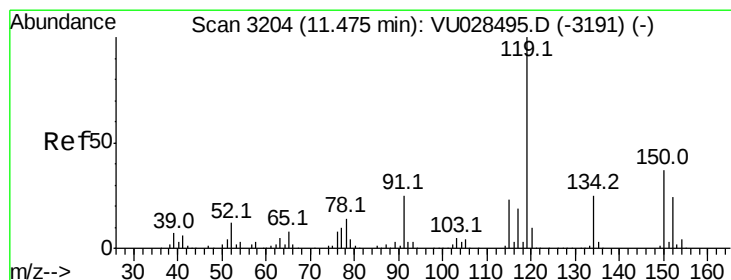
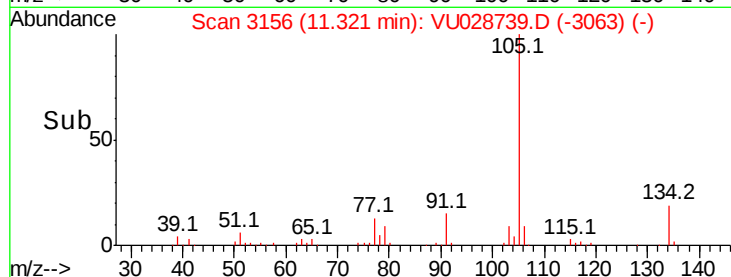
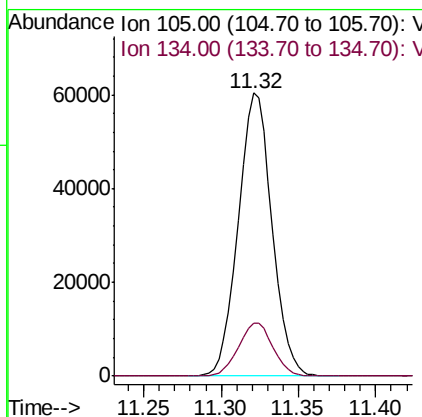
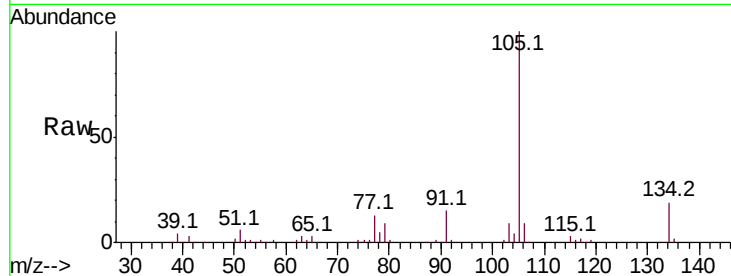




#85
 sec-Butylbenzene
 Concen: 20.705 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

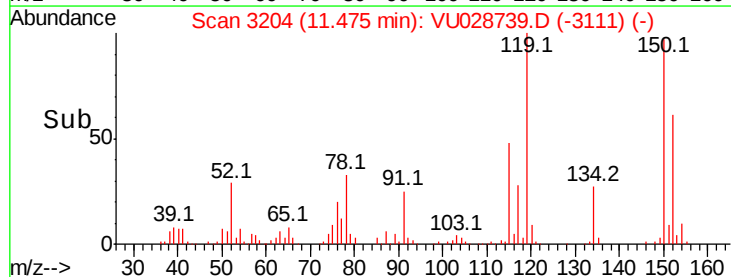
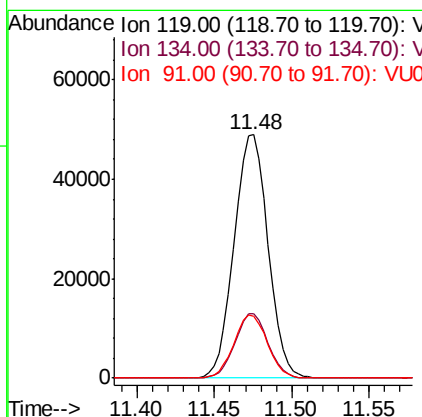
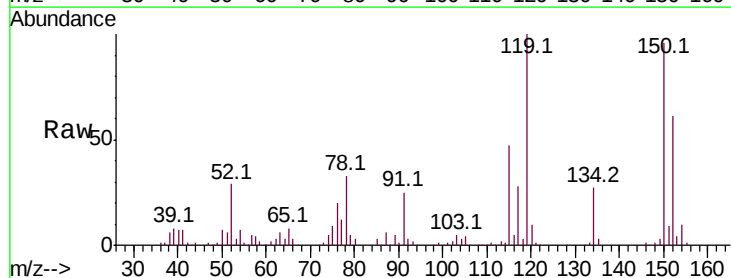
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 91301
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.921 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion:119 Resp: 74622
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 25.5 12.6 37.6

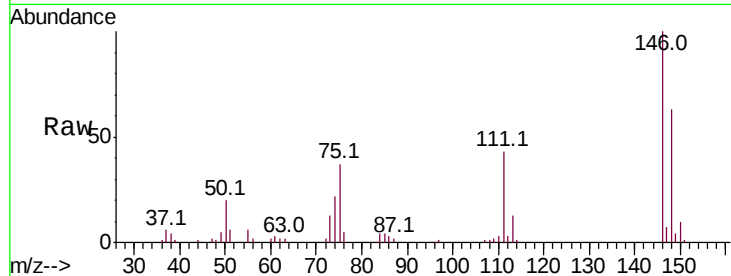




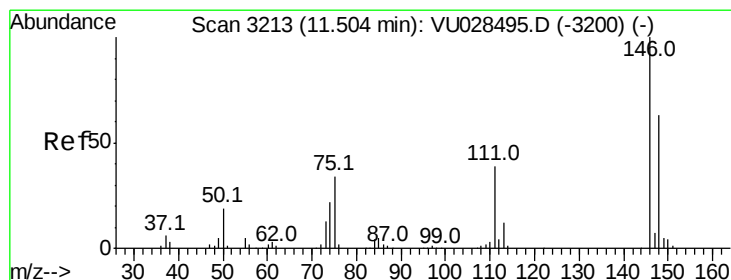
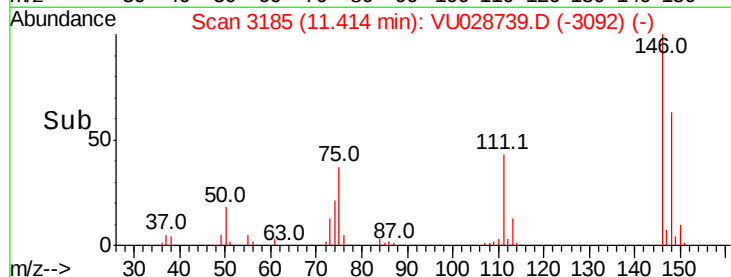
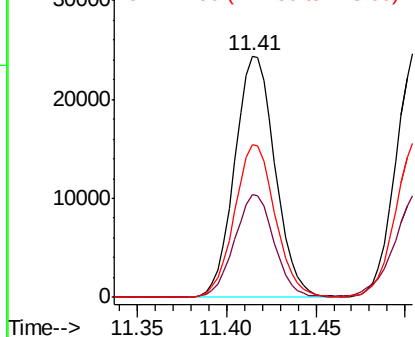
#87
 1,3-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 38550
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 63.8 31.9 95.7

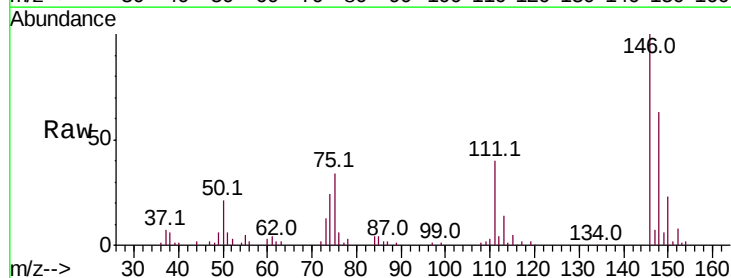


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

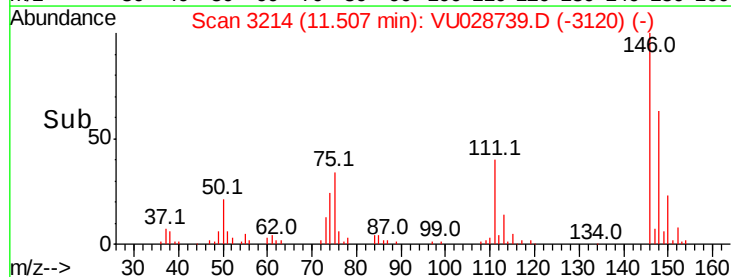
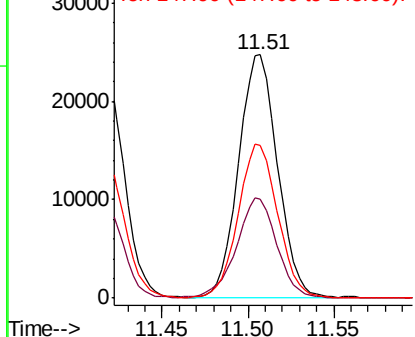


#88
 1,4-Dichlorobenzene
 Concen: 19.889 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion:146 Resp: 39096
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.2 60.5
 148 64.0 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: 18.916 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

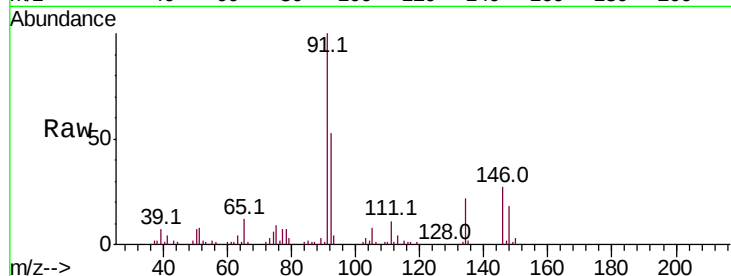
Tot Ion: 91 Resp: 71709

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.9

134 21.8 11.3 33.8

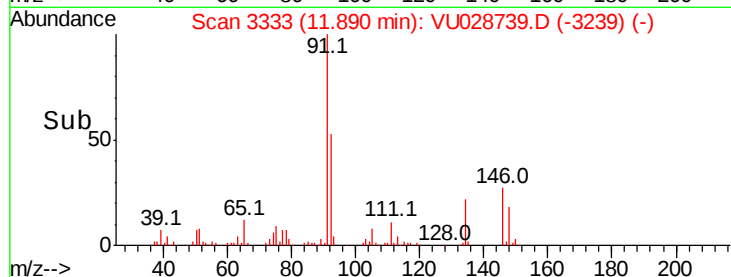


Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)

Time--> 11.80 11.85 11.90 11.95

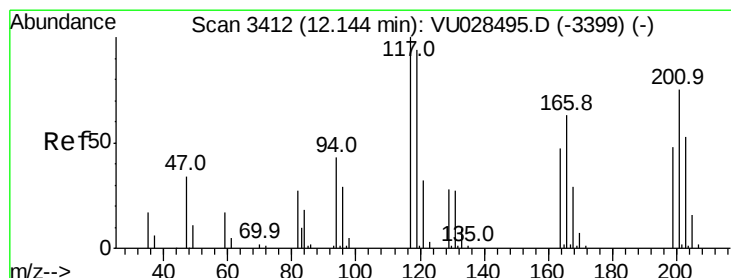


Abundance Ion 91.00 (90.70 to 91.70): VU028739.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028739.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028739.D (-3239) (-)

Time--> 11.80 11.85 11.90 11.95



#90

Hexachloroethane

Concen: 22.085 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028739.D

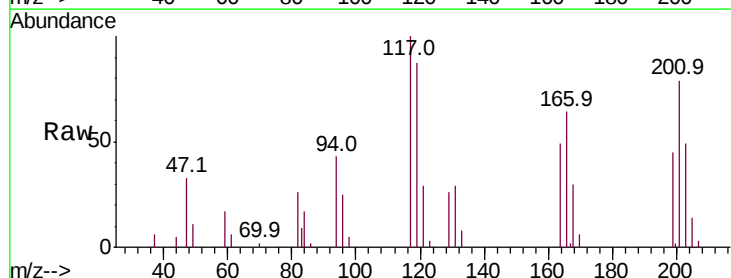
Acq: 17 Dec 2018 23:33

Tgt Ion: 117 Resp: 12504

Ion Ratio Lower Upper

117 100

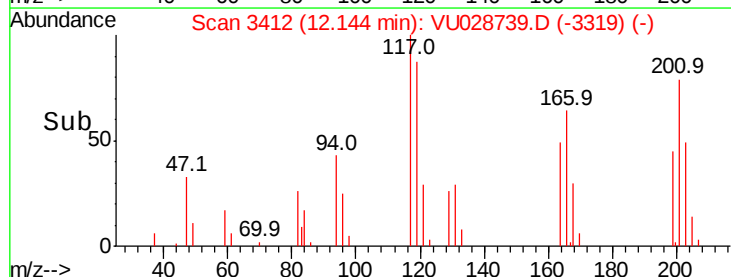
201 77.5 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

Time--> 12.10 12.15 12.20



Abundance Ion 116.80 (116.50 to 117.50): VU028739.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028739.D (-3319) (-)

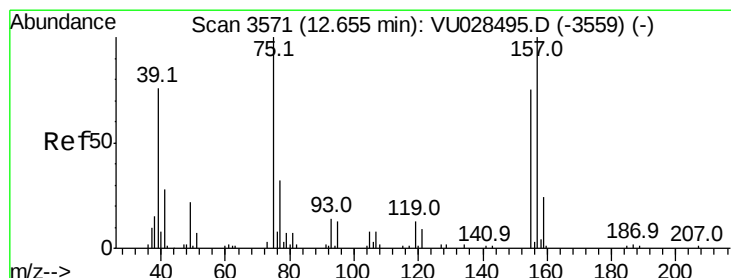
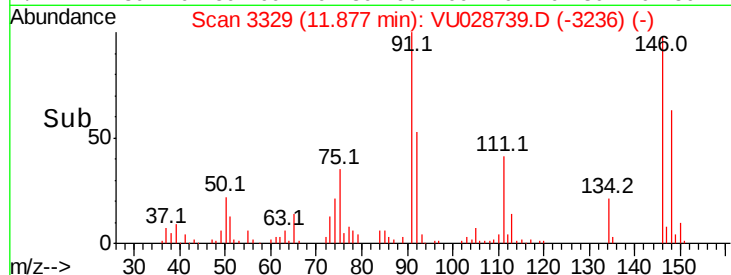
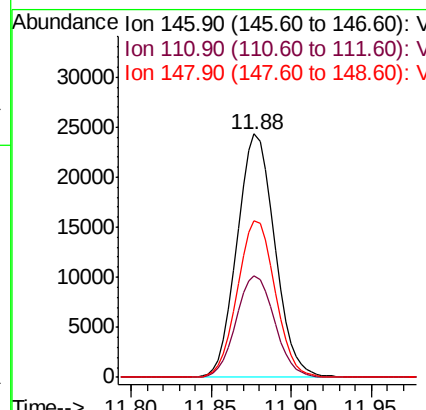
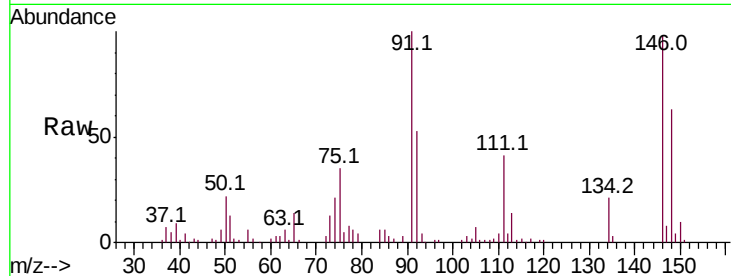
Time--> 12.10 12.15 12.20



#91
 1,2-Dichlorobenzene
 Concen: 20.546 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

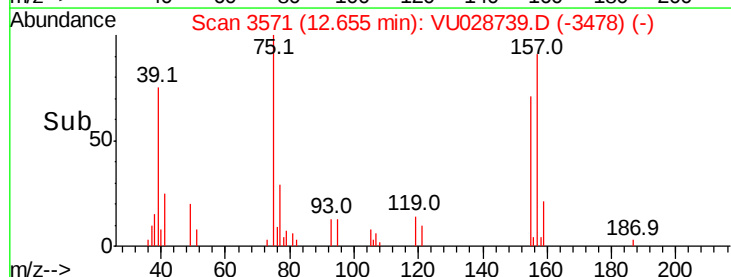
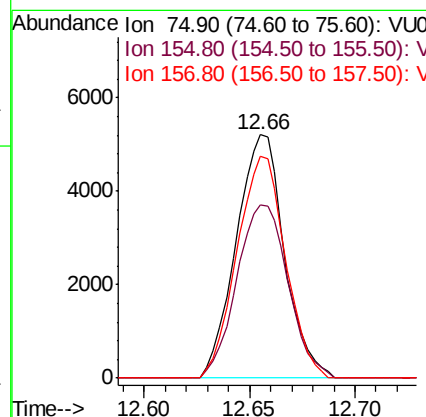
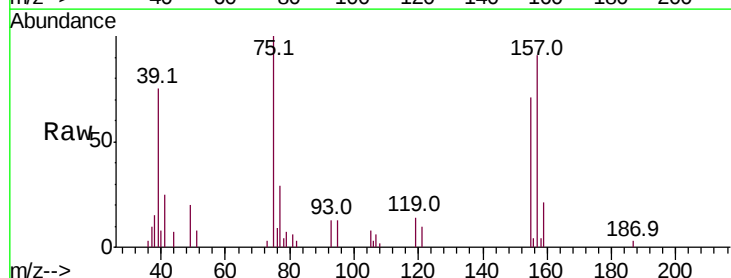
Instrument :
 MSVOA_U
 ClientSampleId :

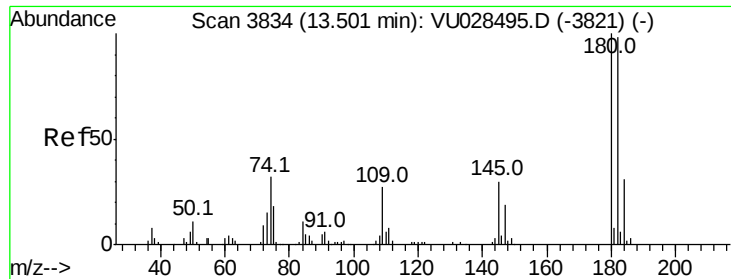
Tot Ion:	146	Resp:	39047
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	64.2	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.086 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion:	75	Resp:	8260
Ion	Ratio	Lower	Upper
75	100		
155	75.8	38.1	114.5
157	91.3	48.7	146.1

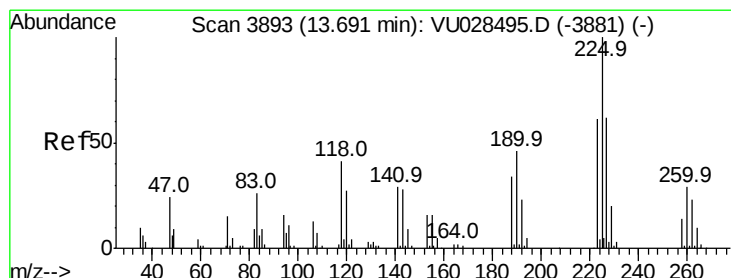
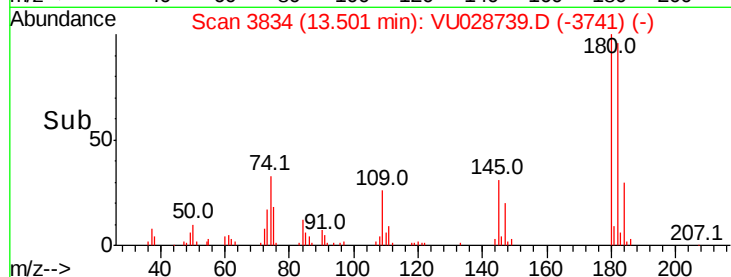
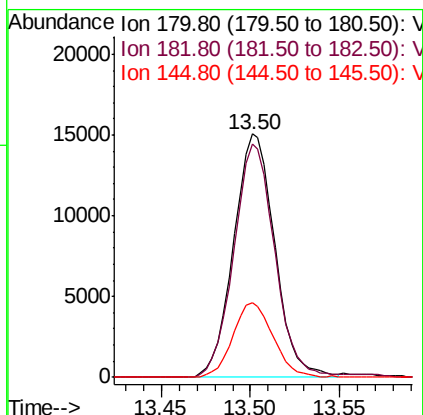
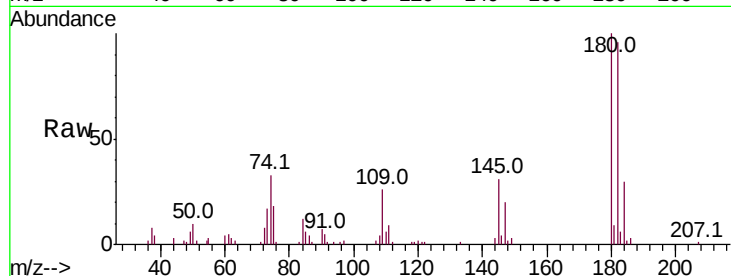




#93
 1,2,4-Trichlorobenzene
 Concen: 19.027 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

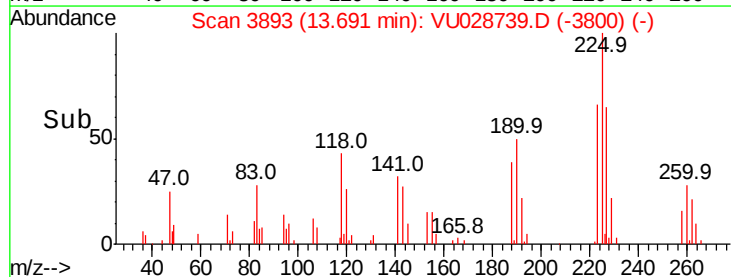
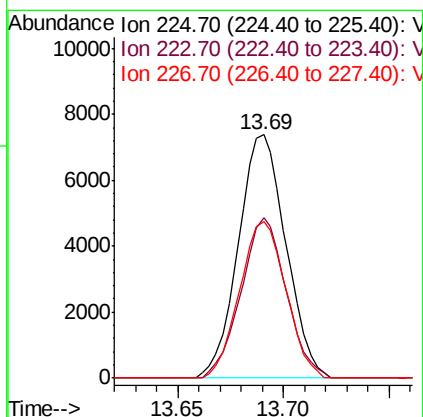
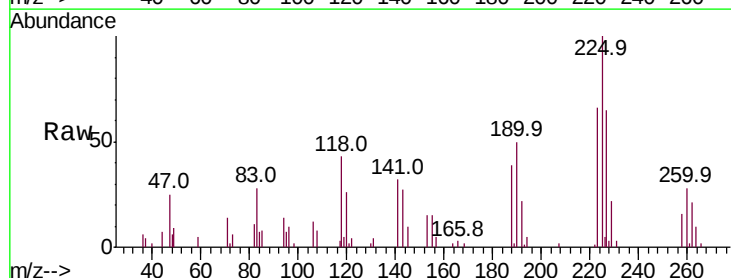
Instrument :
 MSVOA_U
 ClientSampleId :

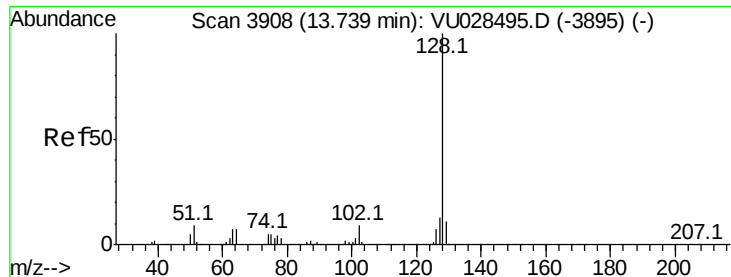
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	29.9	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 18.555 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028739.D
 Acq: 17 Dec 2018 23:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.4	91.2
227	62.7	30.7	92.1





#95

Naphthalene

Concen: 18.963 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

Instrument :

MSVOA_U

ClientSampleId :

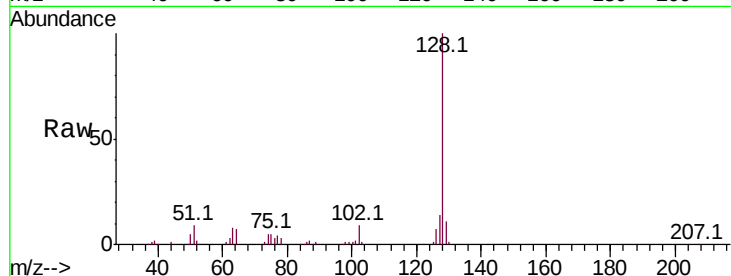
Tot Ion:128 Resp: 86476

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

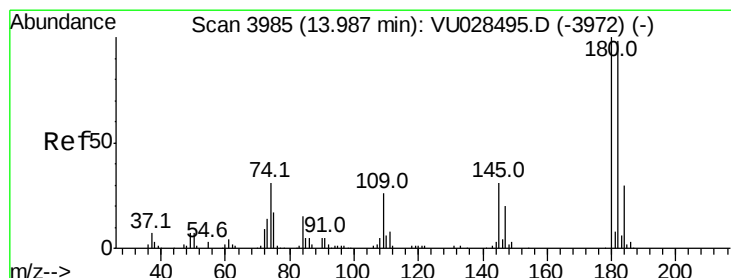
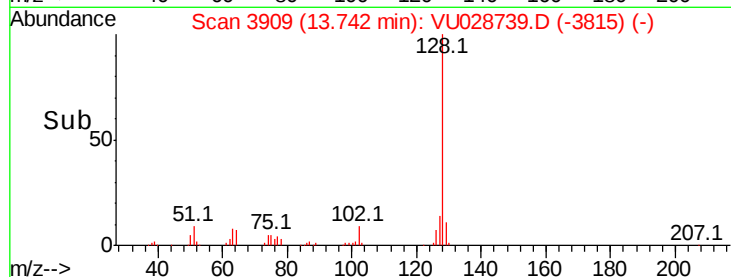
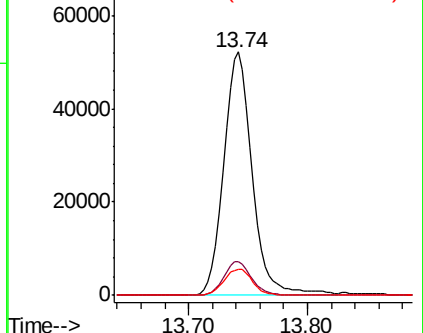
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.072 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028739.D

Acq: 17 Dec 2018 23:33

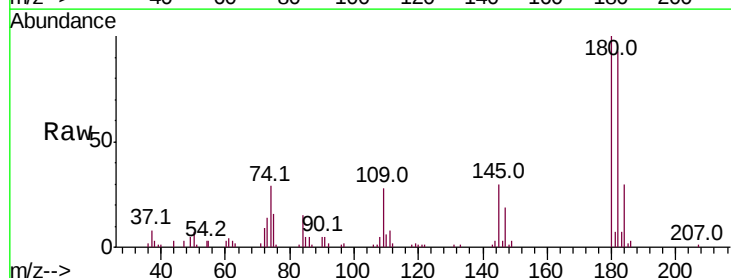
Tgt Ion:180 Resp: 25974

Ion Ratio Lower Upper

180 100

182 90.7 48.2 144.6

145 29.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

