

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028518.D
 Acq On : 06 Dec 2018 22:00
 Operator : MD/SY
 Sample : J6252-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Quant Time: Dec 07 06:18:40 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	91410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164603	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77365	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	74887	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
35) Dibromofluoromethane	4.88	113	54163	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	7.57	98	215452	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	10.30	95	80233	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	61430	50.138	ug/l	99
3) Chloromethane	1.33	50	110311	48.971	ug/l	99
4) Vinyl Chloride	1.40	62	83131	51.139	ug/l	99
5) Bromomethane	1.62	94	32296	49.320	ug/l	97
6) Chloroethane	1.70	64	47368	51.471	ug/l	99
7) Trichlorofluoromethane	1.89	101	85010	49.705	ug/l	99
8) Diethyl Ether	2.10	74	39707	49.623	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50300	49.175	ug/l	99
10) Methyl Iodide	2.41	142	42526	52.985	ug/l	100
11) Tert butyl alcohol	2.82	59	79212	254.869	ug/l	99
12) 1,1-Dichloroethene	2.29	96	51438	50.541	ug/l	99
13) Acrolein	2.20	56	60663	244.843	ug/l	99
14) Allyl chloride	2.59	41	116188	48.258	ug/l	99
15) Acrylonitrile	2.94	53	226704	262.734	ug/l	99
16) Acetone	2.32	43	178996	196.637	ug/l	99
17) Carbon Disulfide	2.48	76	179861	49.056	ug/l	100
18) Methyl Acetate	2.61	43	119733	50.741	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	195692	50.722	ug/l	100
20) Methylene Chloride	2.70	84	64264	47.890	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57108	49.837	ug/l	98
22) Diisopropyl ether	3.57	45	243495	52.006	ug/l	100
23) Vinyl Acetate	3.52	43	974544	252.344	ug/l	99
24) 1,1-Dichloroethane	3.45	63	123051	50.207	ug/l	99
25) 2-Butanone	4.26	43	307977	247.571	ug/l	98
26) 2,2-Dichloropropane	4.23	77	90364	46.532	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	65819	50.748	ug/l	99
28) Bromochloromethane	4.55	49	60400	54.211	ug/l	98
29) Tetrahydrofuran	4.64	42	212855	266.421	ug/l	99
30) Chloroform	4.67	83	110545	51.751	ug/l	97
31) Cyclohexane	5.00	56	121647	50.884	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	89558	50.481	ug/l	100
36) 1,1-Dichloropropene	5.13	75	86981	48.290	ug/l	99
37) Ethyl Acetate	4.38	43	115533	49.618	ug/l	99
38) Carbon Tetrachloride	5.13	117	71585	49.308	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	101808	46.330	ug/l	99
40) Benzene	5.39	78	263210	49.615	ug/l	98
41) Methacrylonitrile	4.54	41	69707	54.665	ug/l	96
42) 1,2-Dichloroethane	5.40	62	93235	50.209	ug/l	98
43) Isopropyl Acetate	5.55	43	185029	50.240	ug/l	100
44) Trichloroethene	6.19	130	56829	48.178	ug/l	98
45) 1,2-Dichloropropane	6.43	63	75165	50.385	ug/l	96
46) Dibromomethane	6.56	93	45136	50.993	ug/l	97
47) Bromodichloromethane	6.76	83	85360	49.558	ug/l	99
48) Methyl methacrylate	6.62	41	96098	52.469	ug/l	99
49) 1,4-Dioxane	6.61	88	28149	973.368	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	594729	256.033	ug/l	99
52) Toluene	7.64	92	153089	49.034	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	102427	49.931	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	107592	48.343	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	61953	50.199	ug/l	97
56) Ethyl methacrylate	8.02	69	107867	51.039	ug/l	98
57) 1,3-Dichloropropane	8.24	76	112976	49.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	592	0.547	ug/l #	54
59) 2-Hexanone	8.36	43	454092	246.640	ug/l	100
60) Dibromochloromethane	8.48	129	59136	48.941	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66044	51.031	ug/l	100
64) Tetrachloroethene	8.22	164	47870	46.328	ug/l	98
65) Chlorobenzene	9.12	112	159450	48.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53530	50.782	ug/l	99
67) Ethyl Benzene	9.25	91	296409	48.846	ug/l	100
68) m/p-Xylenes	9.37	106	215399	97.550	ug/l	98
69) o-Xylene	9.78	106	106080	49.436	ug/l	99
70) Styrene	9.79	104	174558	49.155	ug/l	99
71) Bromoform	9.95	173	45000	50.183	ug/l #	100
73) Isopropylbenzene	10.16	105	277649	46.770	ug/l	100
74) N-amyl acetate	10.01	43	160508	46.873	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	110601	48.499	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	134265	67.964	ug/l	81
77) Bromobenzene	10.45	156	65728	47.341	ug/l	99
78) n-propylbenzene	10.58	91	350271	47.484	ug/l	100
79) 2-Chlorotoluene	10.66	91	202322	47.615	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	236060	48.038	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	134265	165.875	ug/l #	100
82) 4-Chlorotoluene	10.77	91	235496	46.769	ug/l	100
83) tert-Butylbenzene	11.10	119	225287	47.564	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	238992	47.191	ug/l	98
85) sec-Butylbenzene	11.32	105	288227	47.368	ug/l	100
86) p-Isopropyltoluene	11.48	119	239349	46.306	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	121146	46.210	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	123845	45.659	ug/l	99
89) n-Butylbenzene	11.89	91	245997	47.026	ug/l	99
90) Hexachloroethane	12.14	117	37338	47.792	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	121406	46.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25099	50.837	ug/l	96

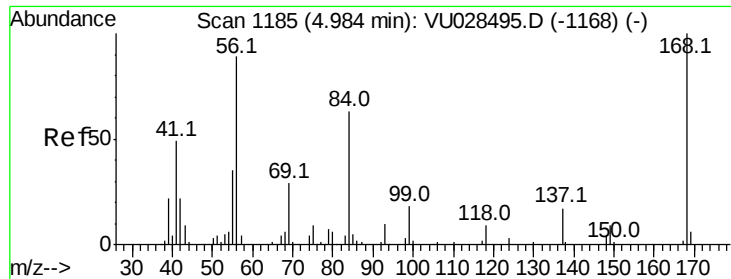
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85767	47.636	ug/l	99
94) Hexachlorobutadiene	13.69	225	37847	44.059	ug/l	97
95) Naphthalene	13.74	128	305148	48.492	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88662	49.438	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

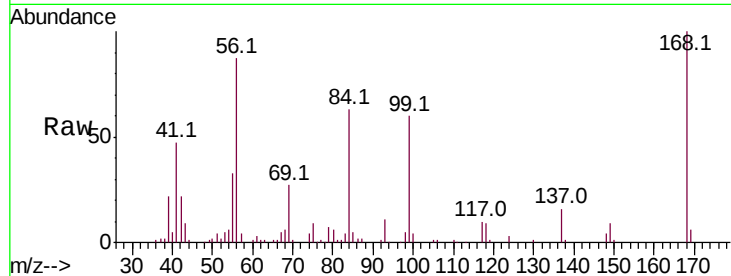
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:168 Resp: 91410

Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8

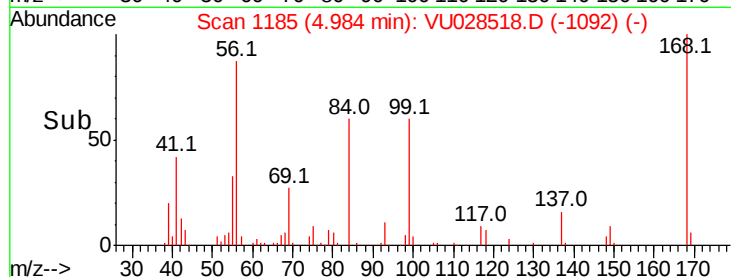


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->

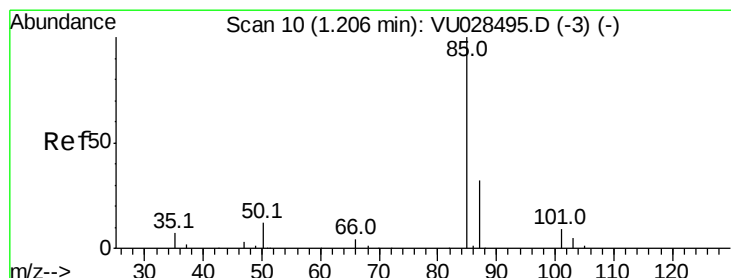


Abundance Ion 167.90 (167.60 to 168.60): VU028518.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028518.D (-1092) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 50.138 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028518.D

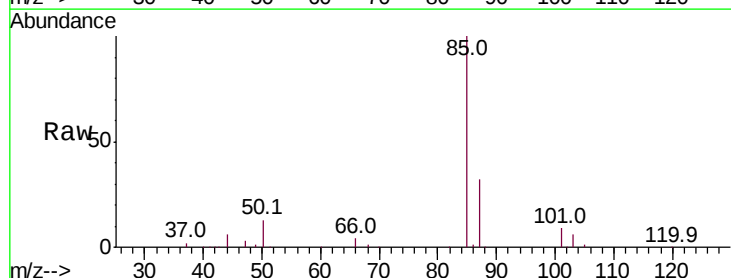
Acq: 06 Dec 2018 22:00

Tgt Ion: 85 Resp: 61430

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6

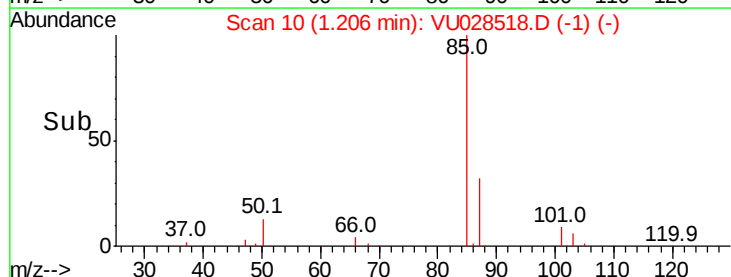


Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

Time-->



Abundance Ion 84.90 (84.60 to 85.60): VU028518.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028518.D (-1) (-)

1.21

Time-->



#3

Chloromethane

Concen: 48.971 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

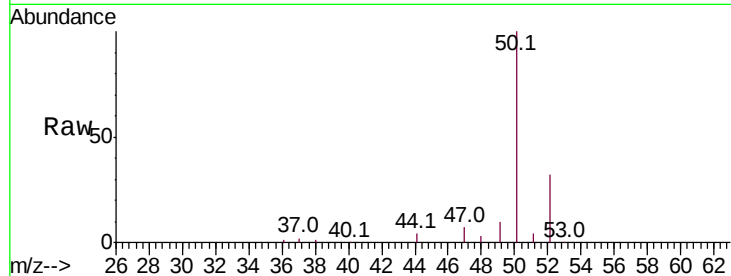
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 50 Resp: 110311

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

120000

100000

80000

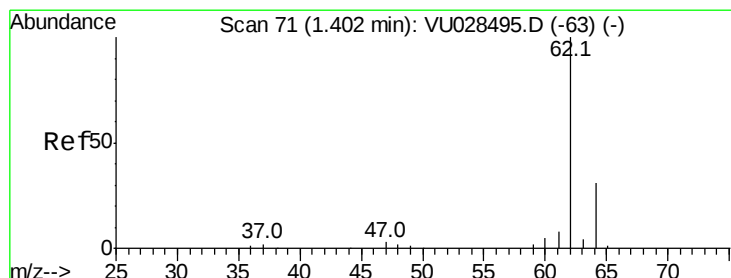
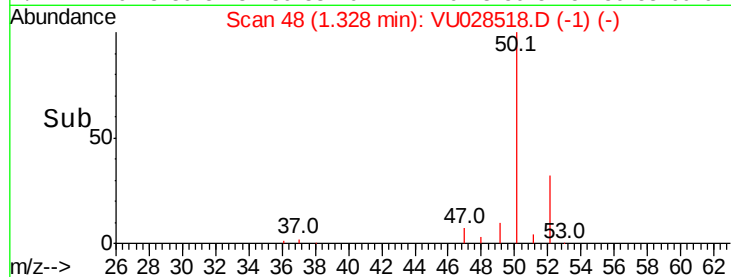
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 51.139 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028518.D

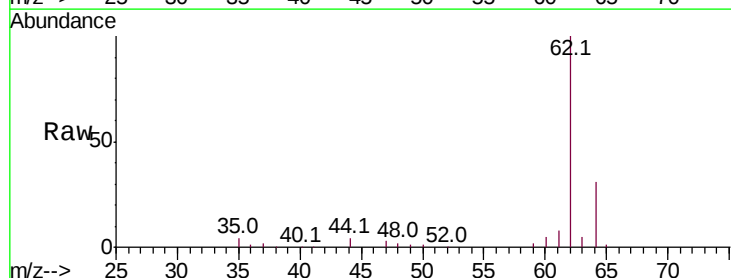
Acq: 06 Dec 2018 22:00

Tgt Ion: 62 Resp: 83131

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

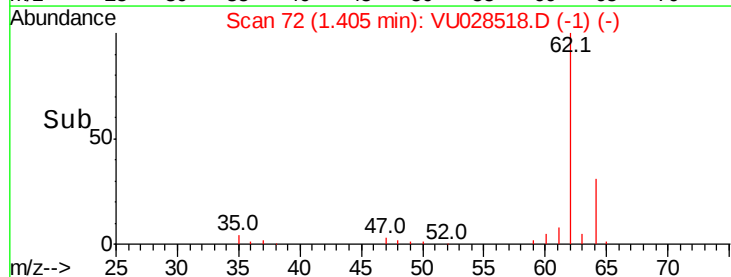
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 49.320 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

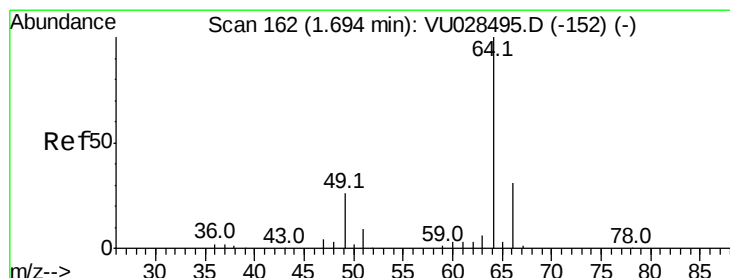
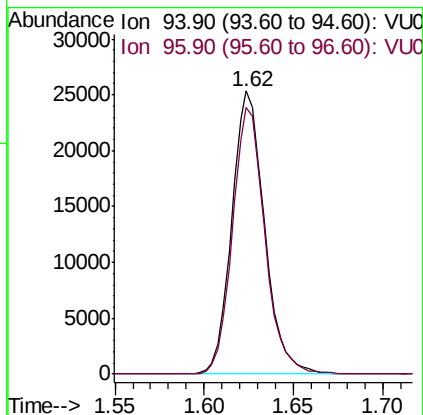
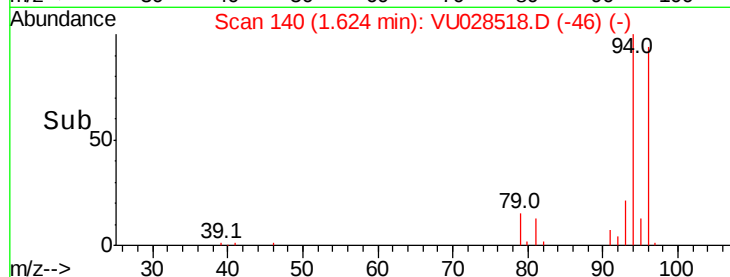
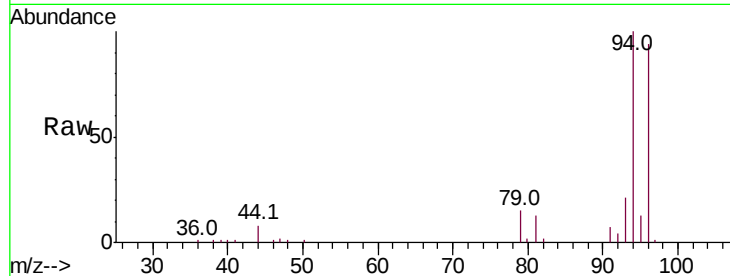
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 94 Resp: 32296

Ion Ratio Lower Upper

94 100

96 94.3 73.2 109.8



#6

Chloroethane

Concen: 51.471 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU028518.D

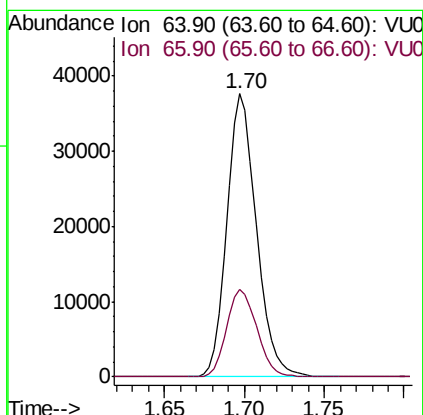
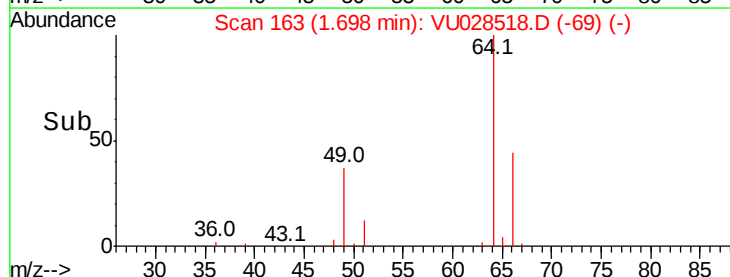
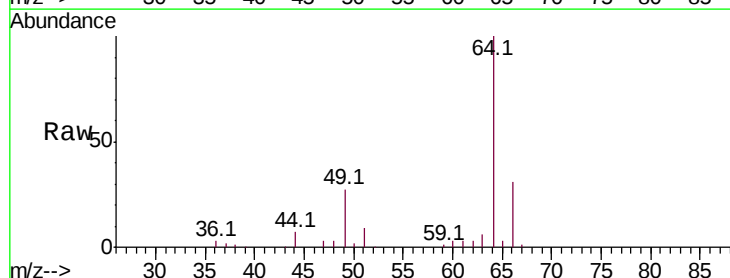
Acq: 06 Dec 2018 22:00

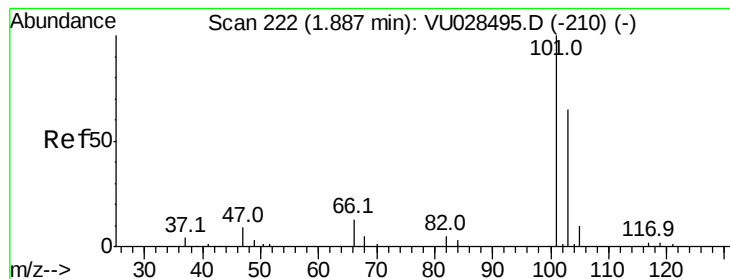
Tgt Ion: 64 Resp: 47368

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.6



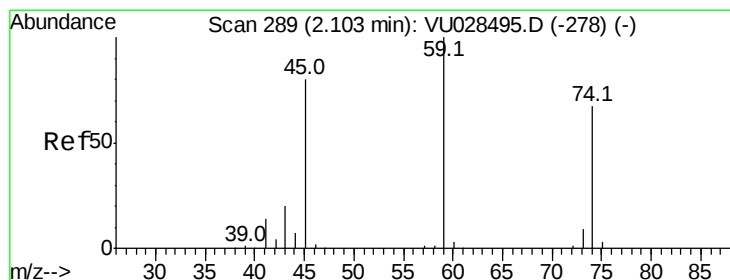
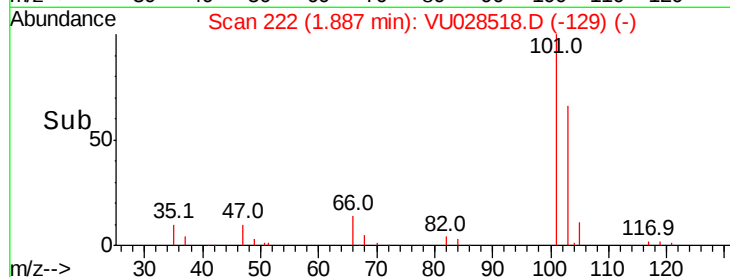
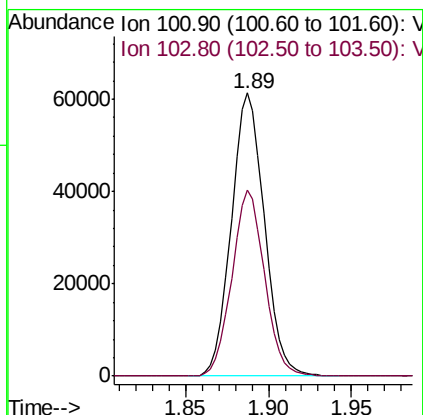
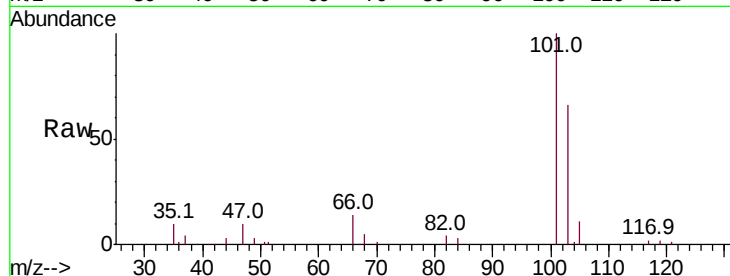


#7

Trichlorofluoromethane
 Concen: 49.705 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

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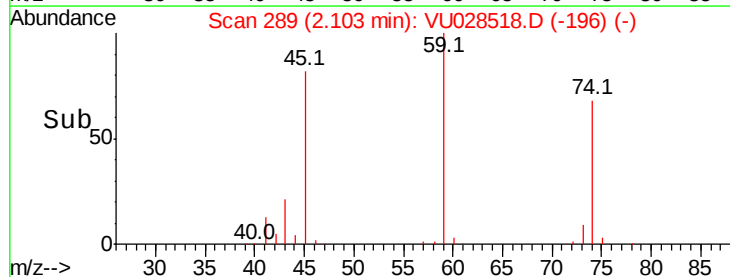
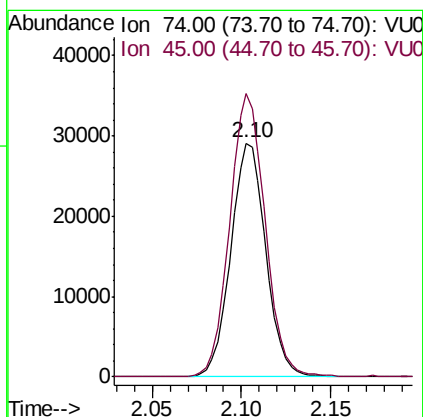
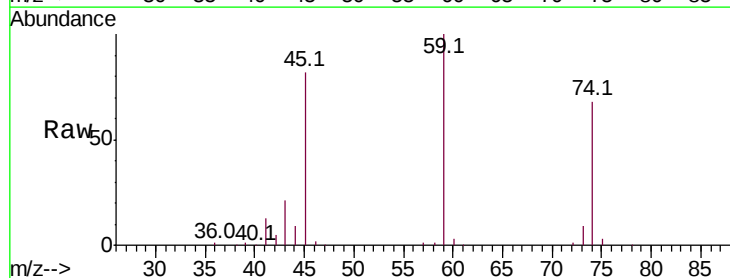
Tot Ion:101 Resp: 85010
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.3 78.5



#8

Diethyl Ether
 Concen: 49.623 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 74 Resp: 39707
 Ion Ratio Lower Upper
 74 100
 45 122.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.175 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

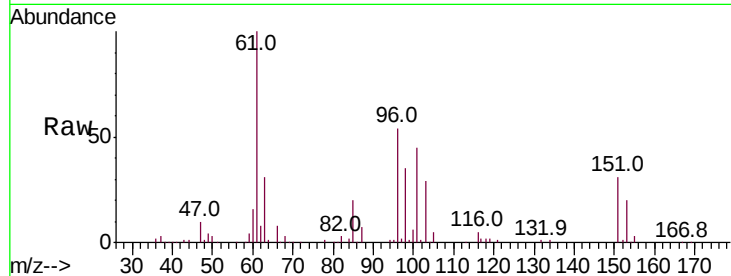
Tot Ion:101 Resp: 50300

Ion Ratio Lower Upper

101 100

85 44.4 36.4 54.6

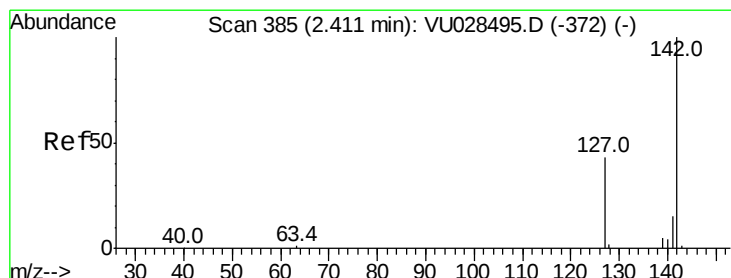
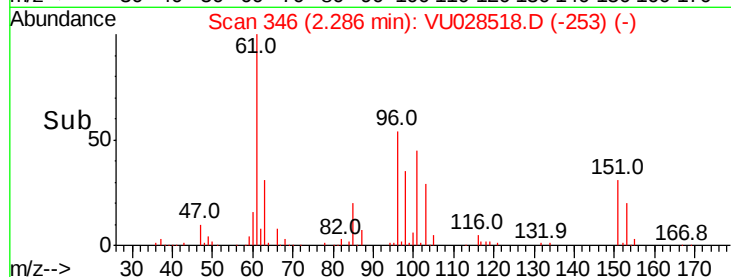
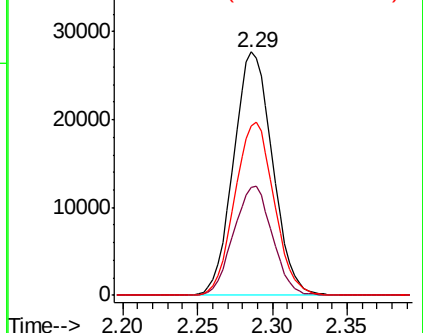
151 71.6 58.2 87.2



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: 52.985 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

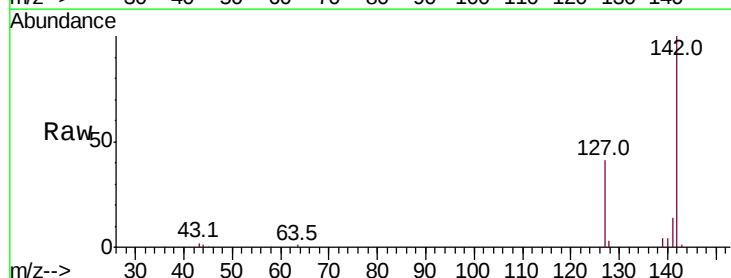
Tgt Ion:142 Resp: 42526

Ion Ratio Lower Upper

142 100

127 41.6 33.5 50.3

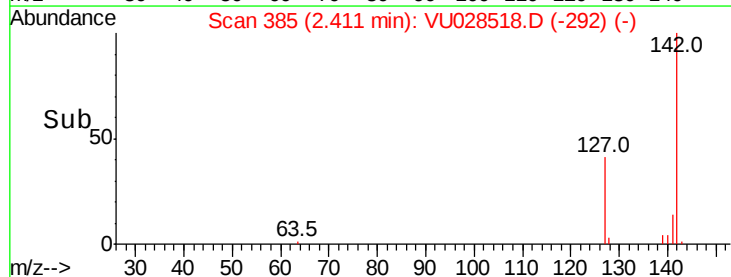
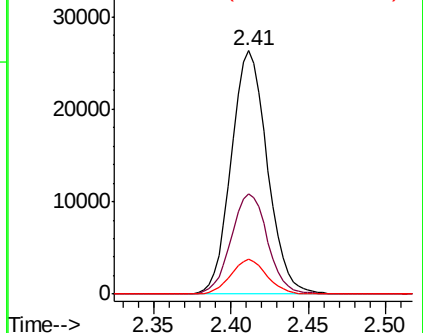
141 14.2 11.2 16.8



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



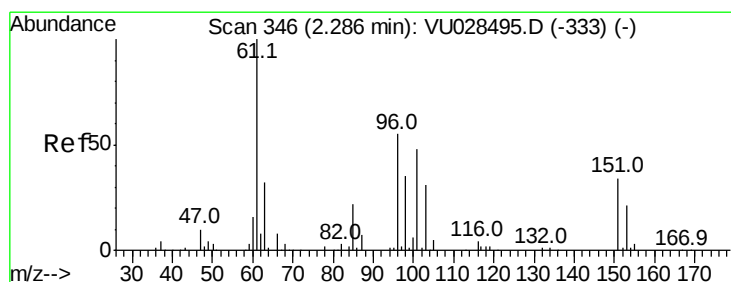
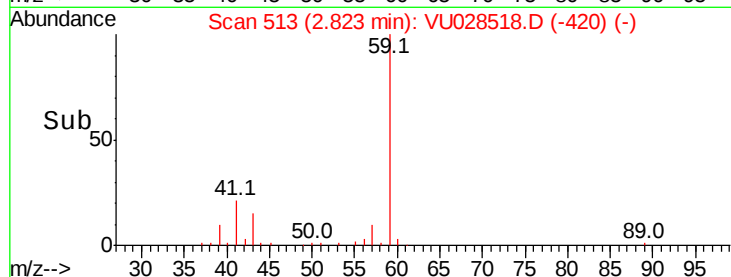
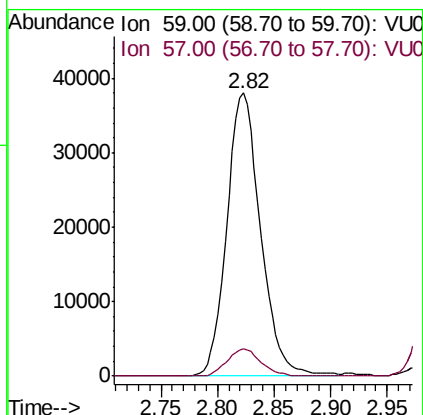
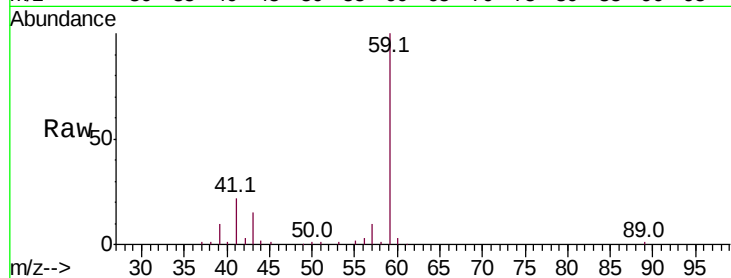


#11

Tert butyl alcohol
 Concen: 254.869 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

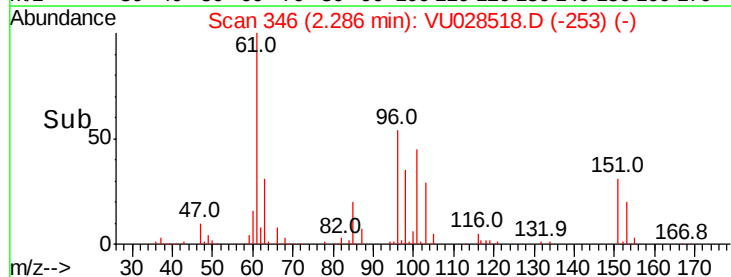
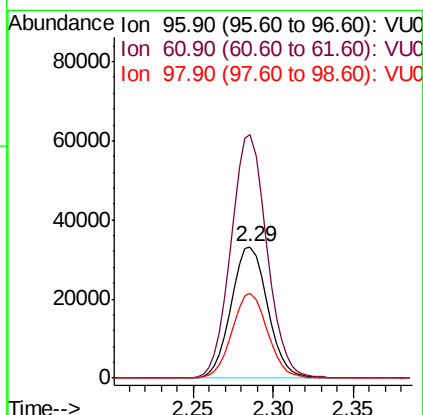
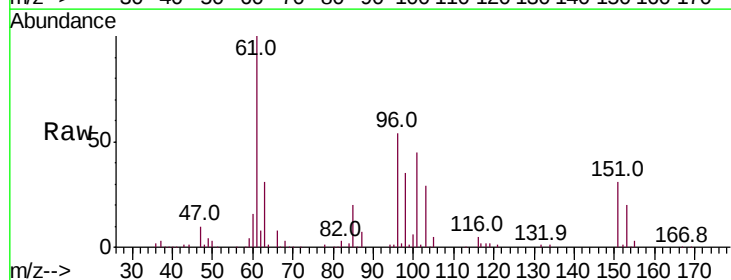
Tot Ion: 59 Resp: 79212
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

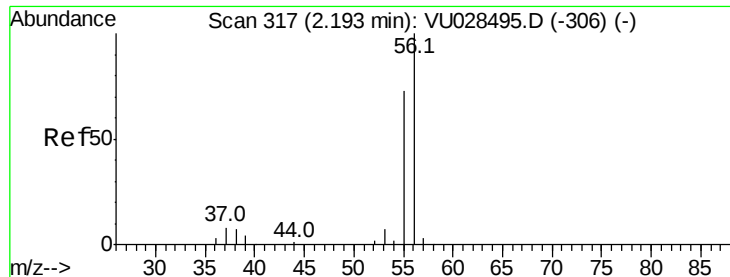


#12

1,1-Dichloroethene
 Concen: 50.541 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 96 Resp: 51438
 Ion Ratio Lower Upper
 96 100
 61 185.3 146.4 219.6
 98 64.9 51.8 77.8





#13

Acrolein

Concen: 244.843 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

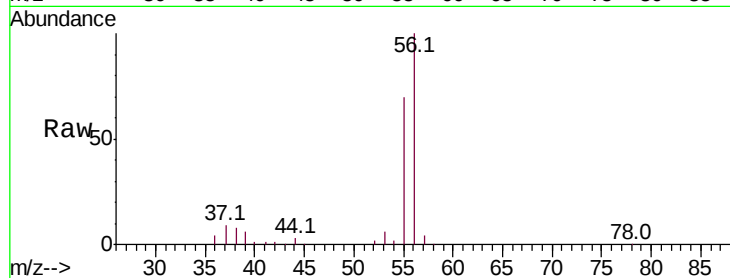
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 56 Resp: 60663

Ion Ratio Lower Upper

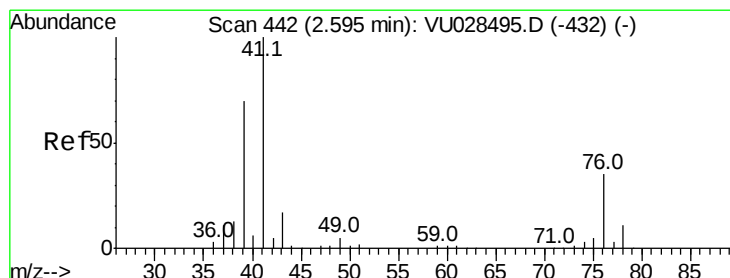
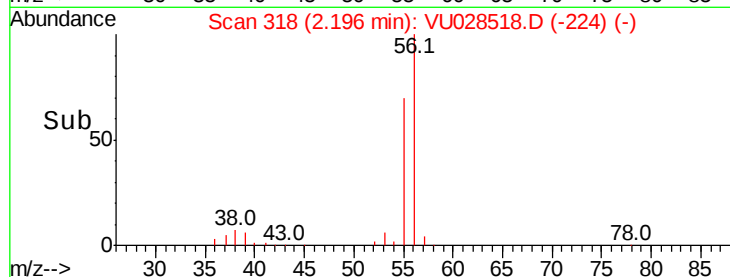
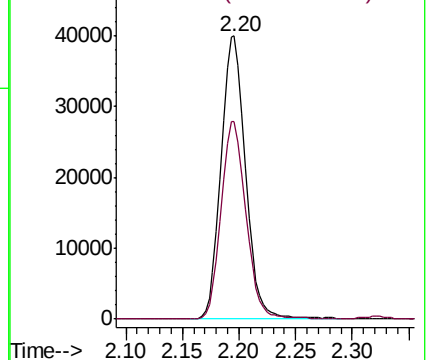
56 100

55 70.8 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 48.258 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

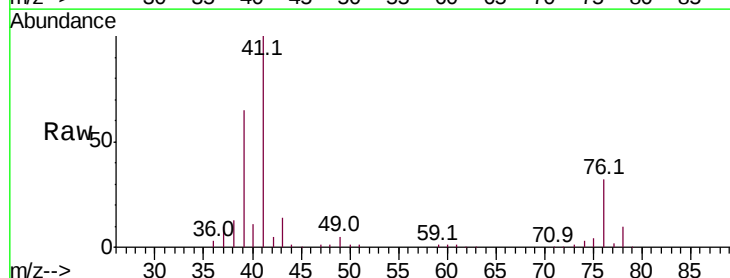
Tgt Ion: 41 Resp: 116188

Ion Ratio Lower Upper

41 100

39 64.1 50.8 76.2

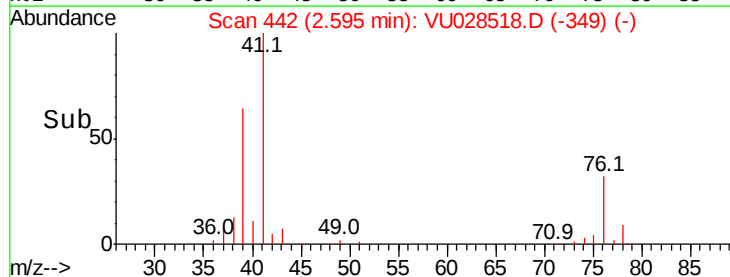
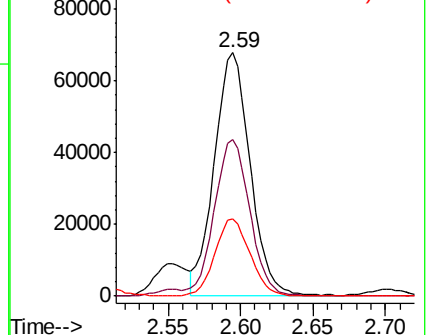
76 31.2 24.8 37.2

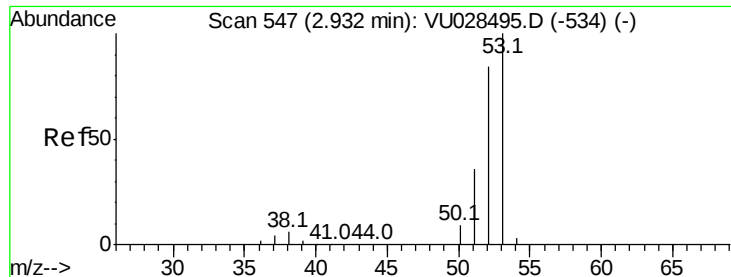


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 262.734 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

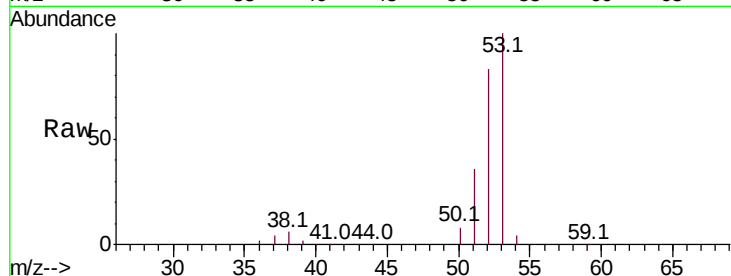
Tot Ion: 53 Resp: 226704

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

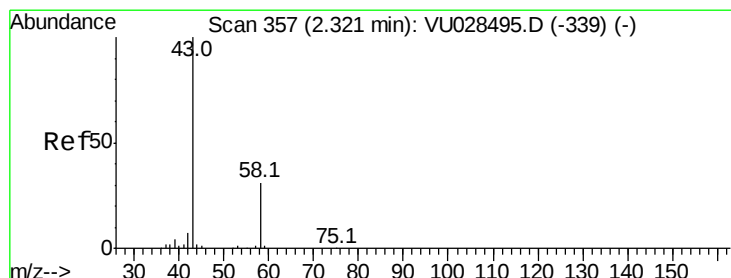
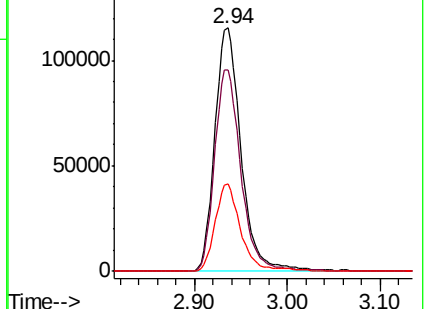
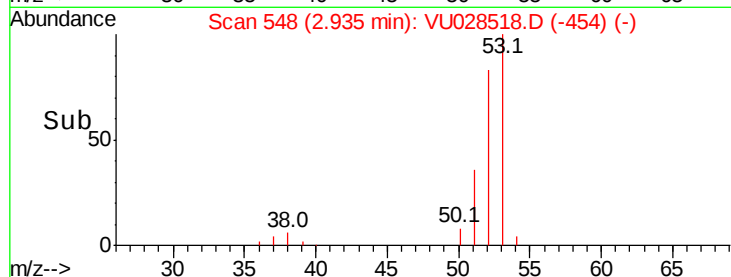
51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 196.637 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028518.D

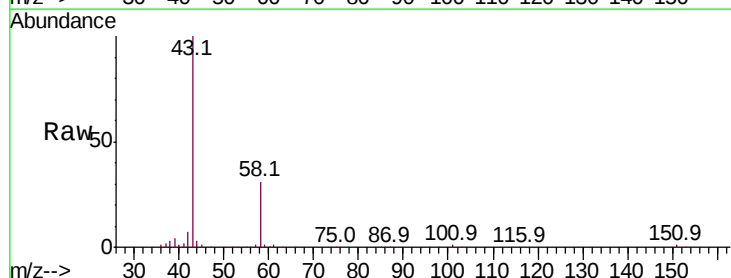
Acq: 06 Dec 2018 22:00

Tgt Ion: 43 Resp: 178996

Ion Ratio Lower Upper

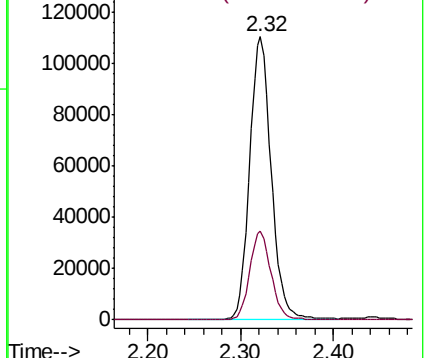
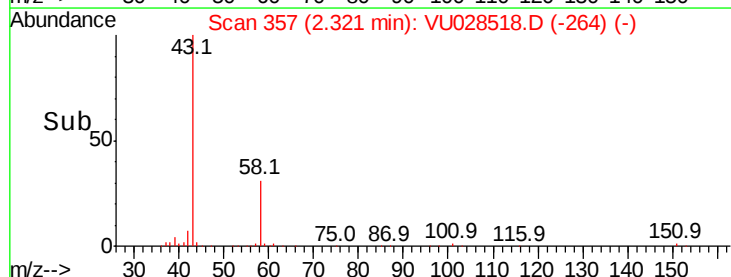
43 100

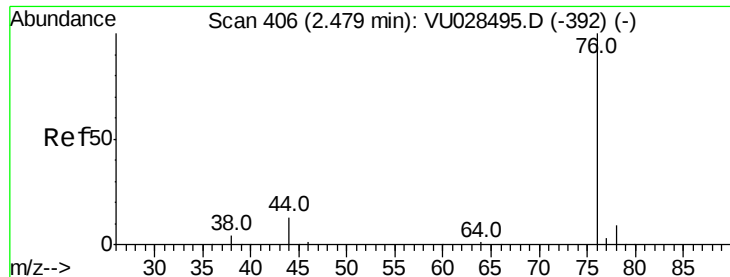
58 31.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

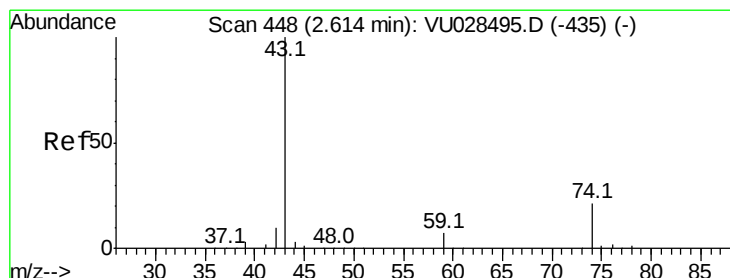
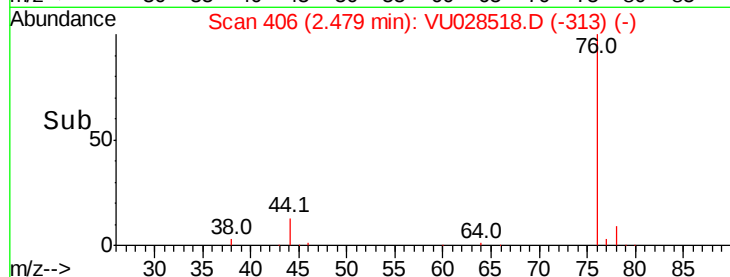
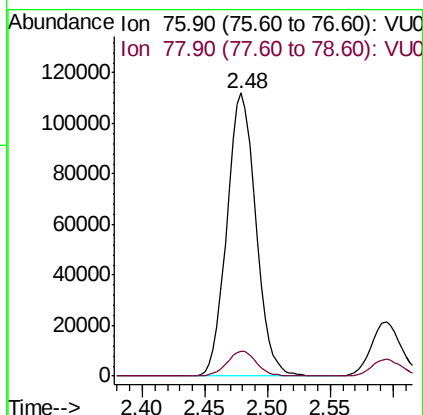
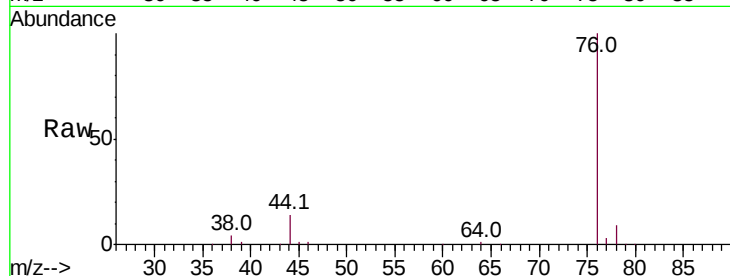




#17
Carbon Disulfide
Concen: 49.056 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

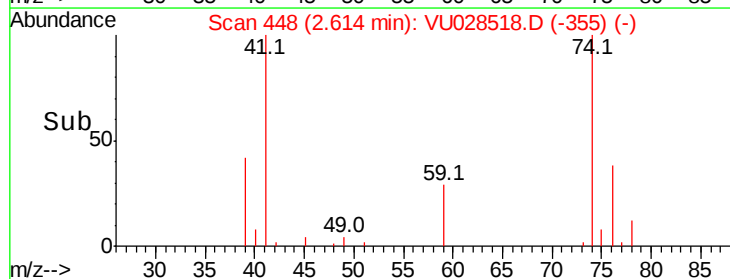
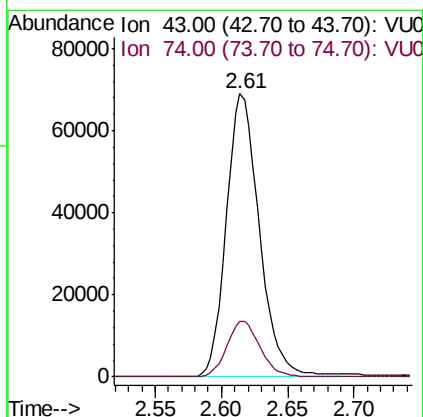
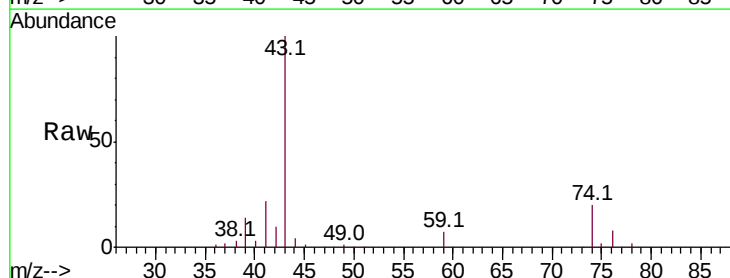
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

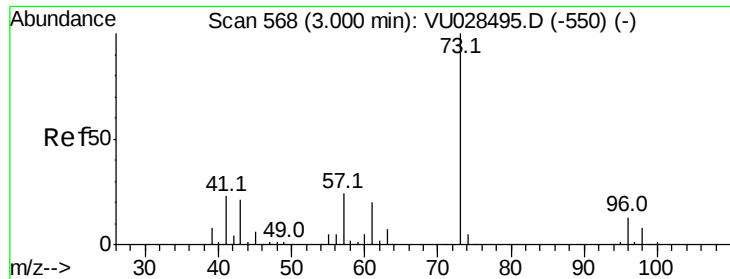
Tot Ion: 76 Resp: 179861
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 50.741 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 43 Resp: 119733
Ion Ratio Lower Upper
43 100
74 19.7 16.4 24.6

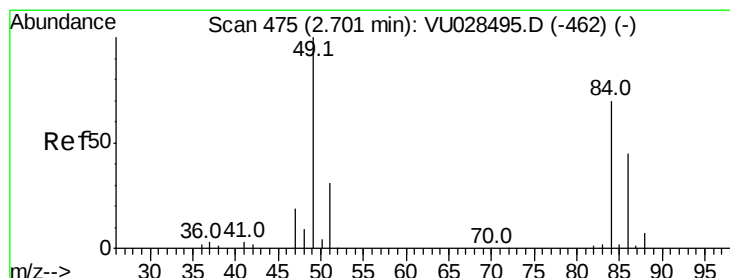
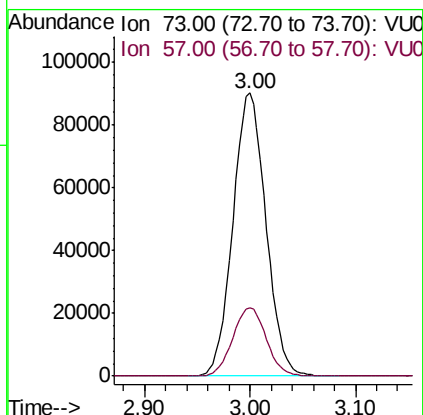
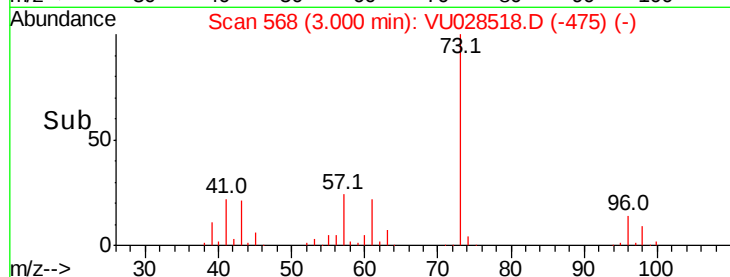
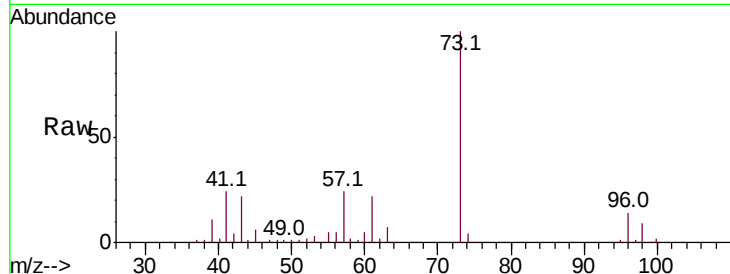




#19
Methyl tert-butyl Ether
Concen: 50.722 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

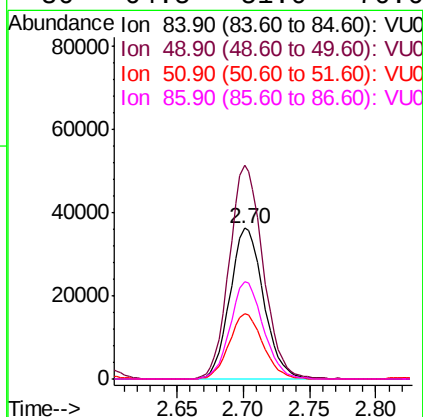
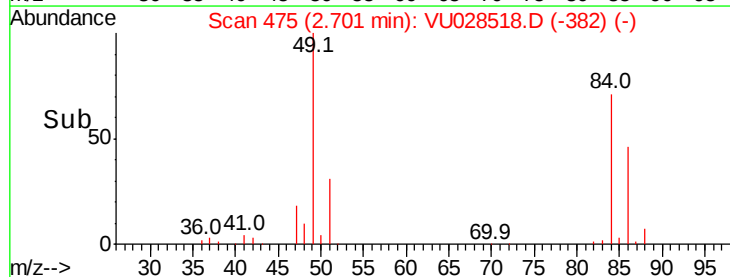
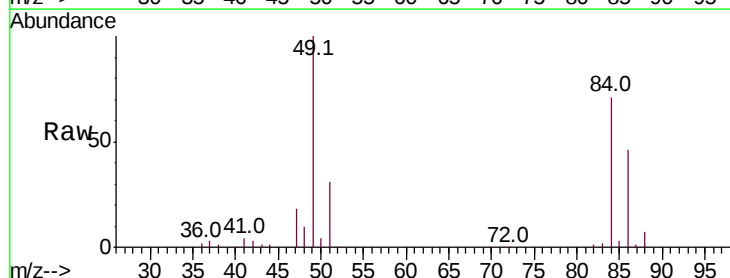
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

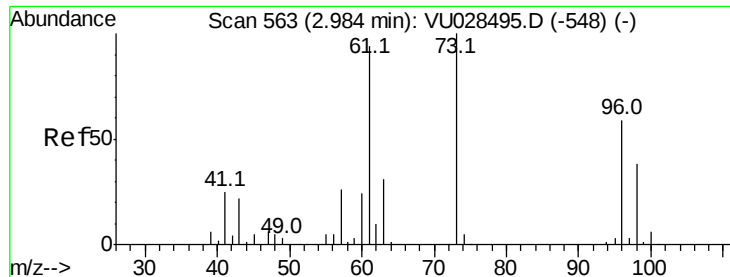
Tot Ion: 73 Resp: 195692
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.2



#20
Methylene Chloride
Concen: 47.890 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 84 Resp: 64264
Ion Ratio Lower Upper
84 100
49 141.5 114.0 171.0
51 43.3 35.1 52.7
86 64.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.837 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

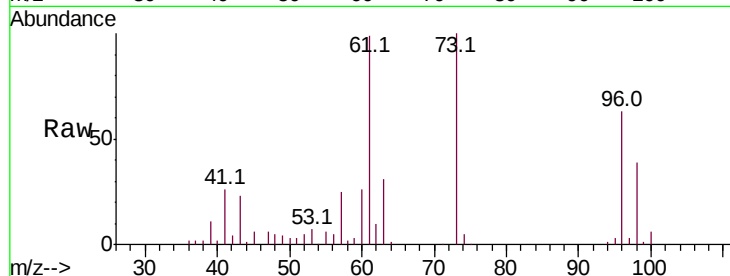
Tot Ion: 96 Resp: 57108

Ion Ratio Lower Upper

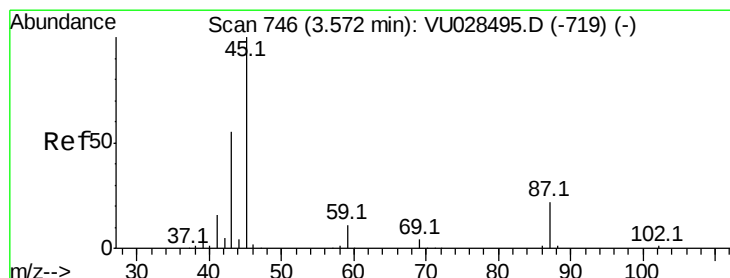
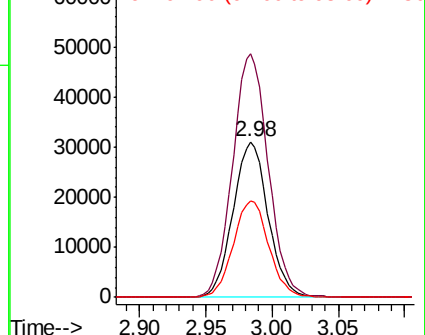
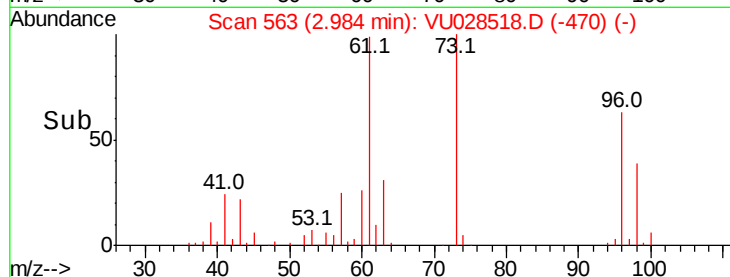
96 100

61 156.8 127.0 190.4

98 62.5 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028518.D (-470) (-)



#22

Diisopropyl ether

Concen: 52.006 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion: 45 Resp: 243495

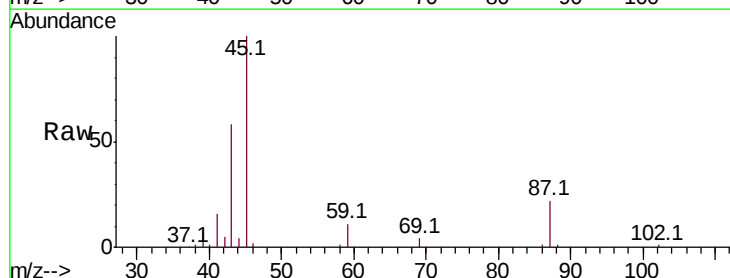
Ion Ratio Lower Upper

45 100

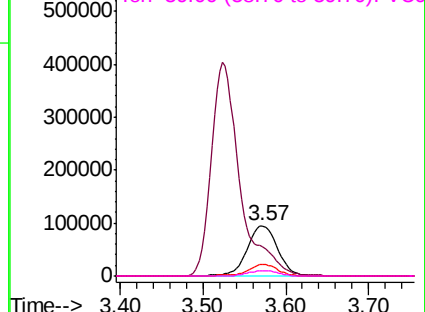
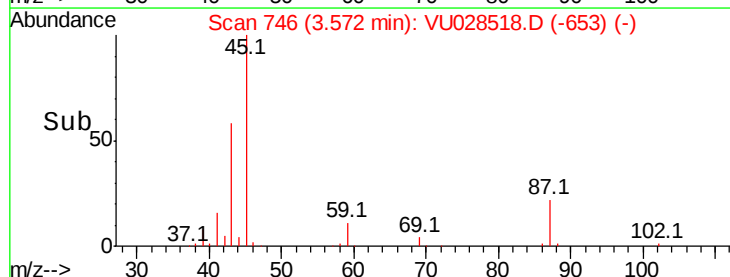
43 56.8 45.3 67.9

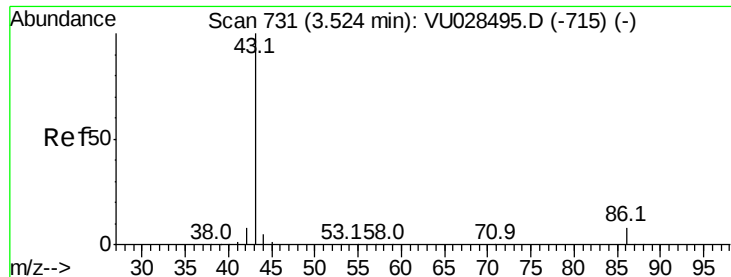
87 22.1 17.6 26.4

59 10.5 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU028518.D (-653) (-)





#23

Vinyl Acetate

Concen: 252.344 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

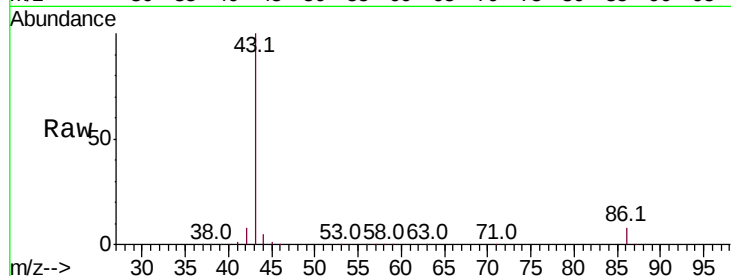
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 974544

Ion Ratio Lower Upper

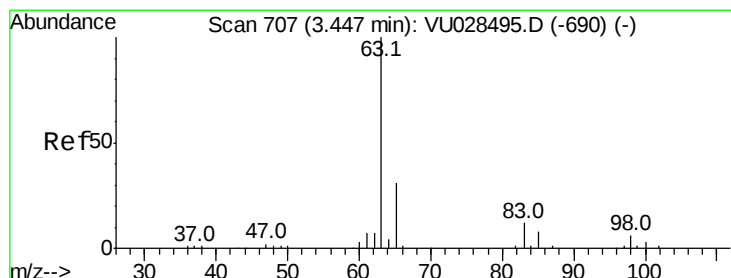
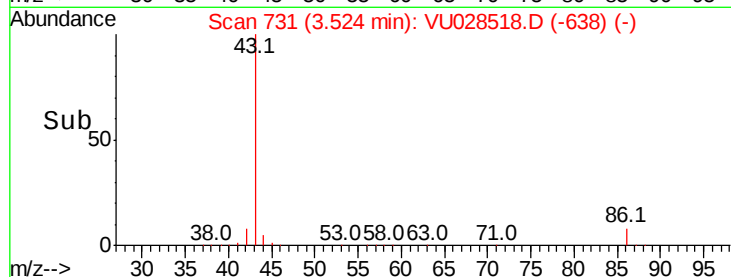
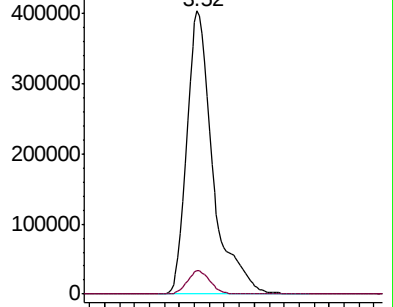
43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028518.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028518.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 50.207 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

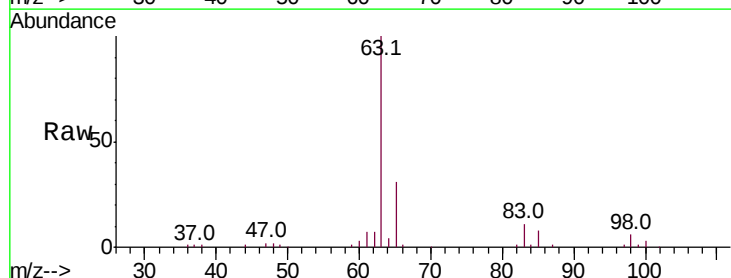
Tgt Ion: 63 Resp: 123051

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

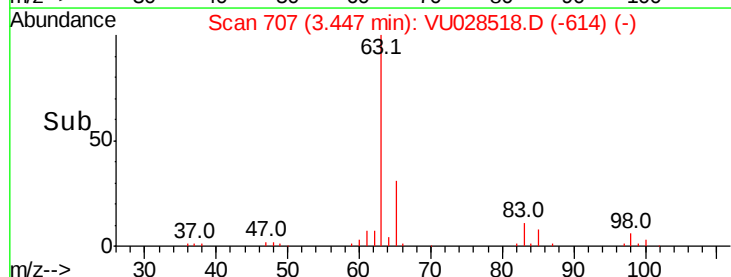
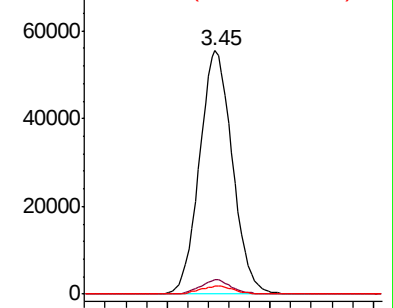
100 3.2 1.7 5.1

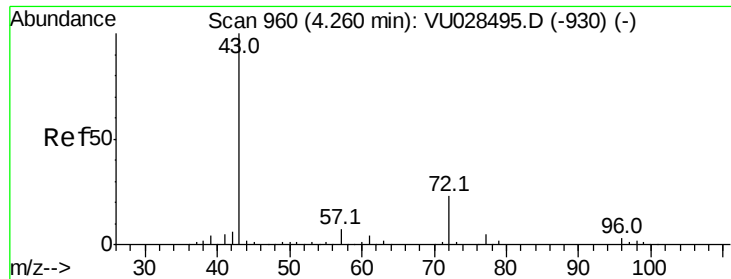


Abundance Ion 62.90 (62.60 to 63.60): VU028518.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028518.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028518.D (-614) (-)





#25

2-Butanone

Concen: 247.571 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

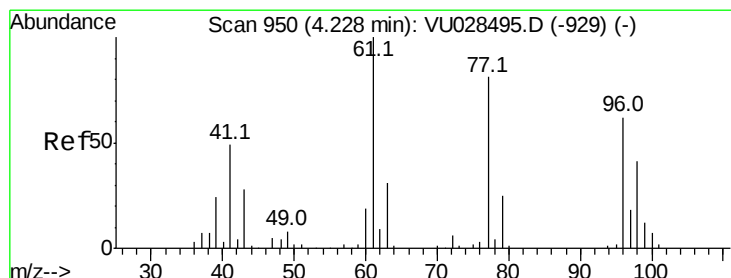
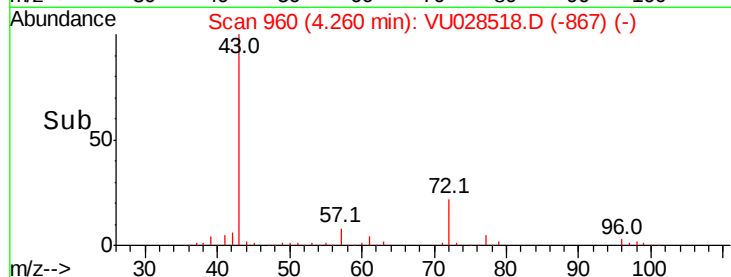
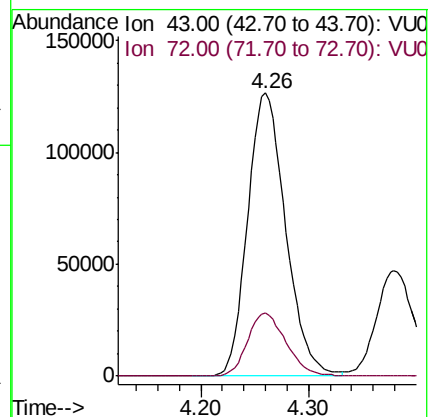
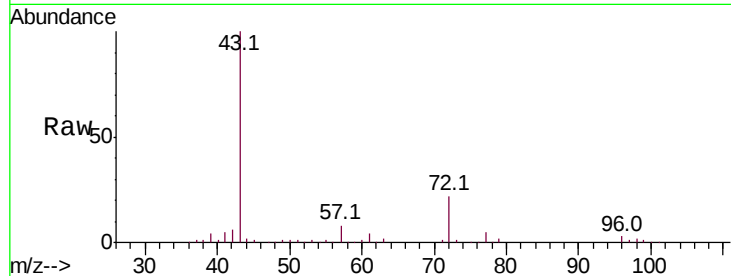
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 307977

Ion Ratio Lower Upper

43 100

72 22.3 18.6 28.0



#26

2,2-Dichloropropane

Concen: 46.532 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028518.D

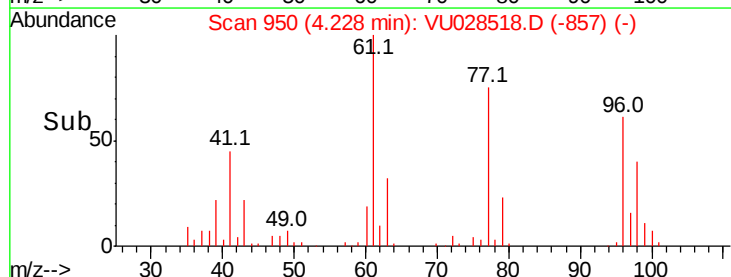
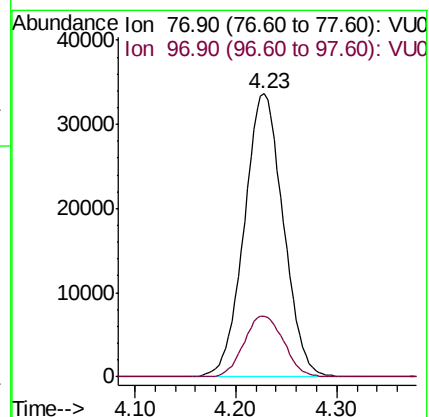
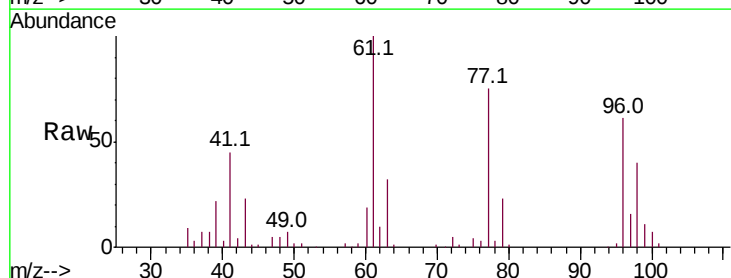
Acq: 06 Dec 2018 22:00

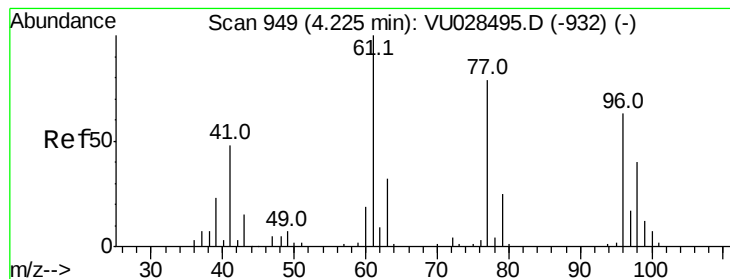
Tgt Ion: 77 Resp: 90364

Ion Ratio Lower Upper

77 100

97 21.8 11.0 33.0



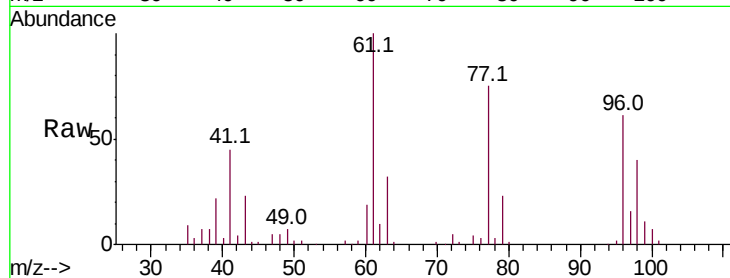


#27

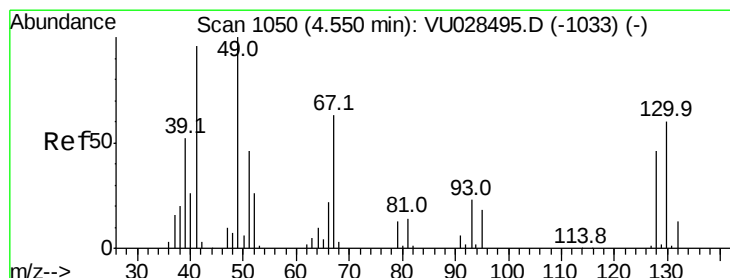
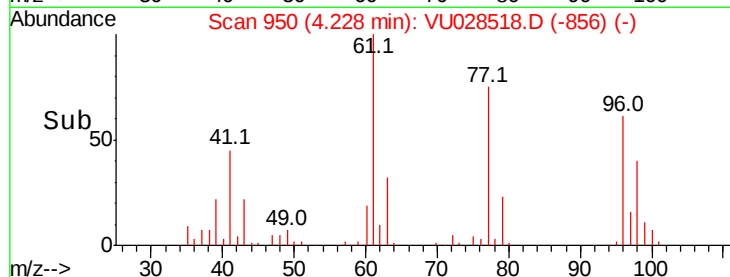
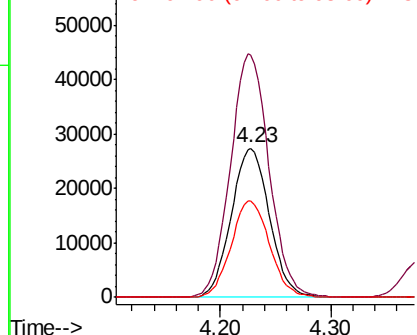
cis-1,2-Dichloroethene
Concen: 50.748 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 96 Resp: 65819
Ion Ratio Lower Upper
96 100
61 165.2 0.0 332.4
98 65.1 0.0 129.0



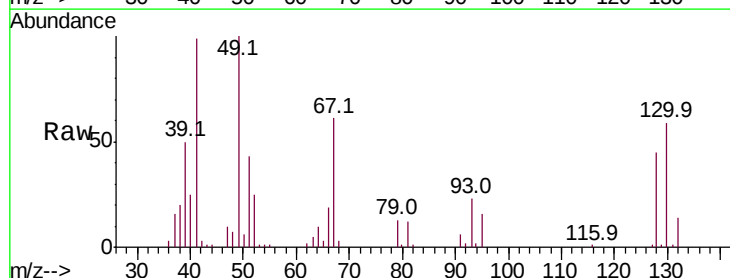
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



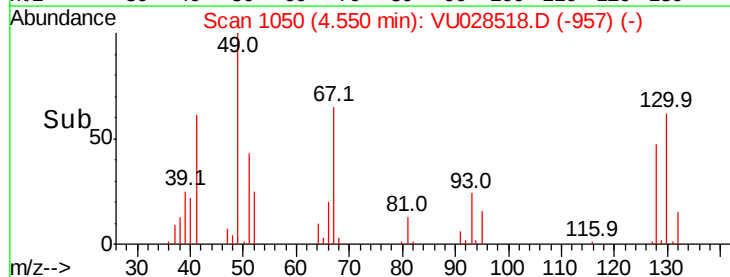
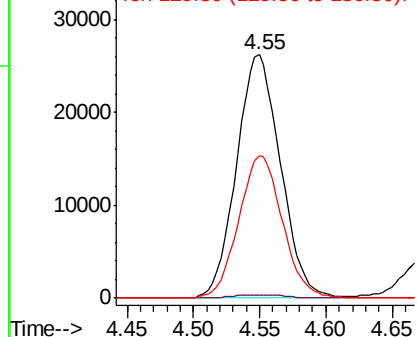
#28

Bromochloromethane
Concen: 54.211 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 49 Resp: 60400
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.0
130 58.1 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: 266.421 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

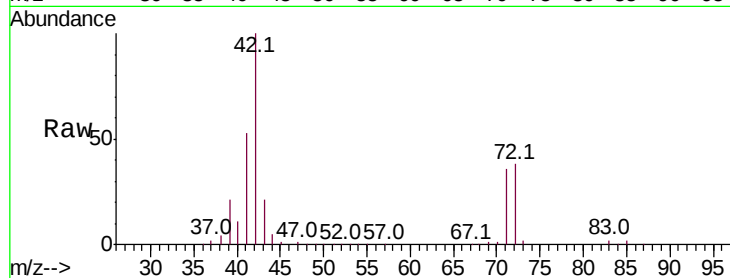
Tot Ion: 42 Resp: 212855

Ion Ratio Lower Upper

42 100

72 38.0 31.4 47.0

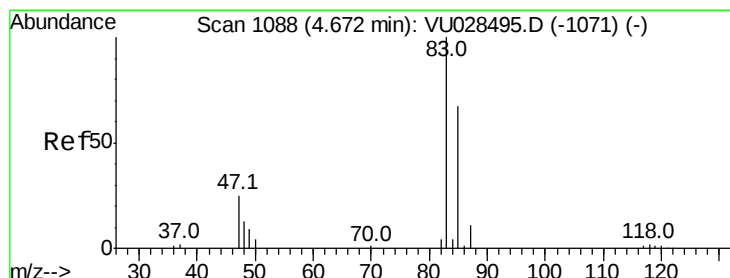
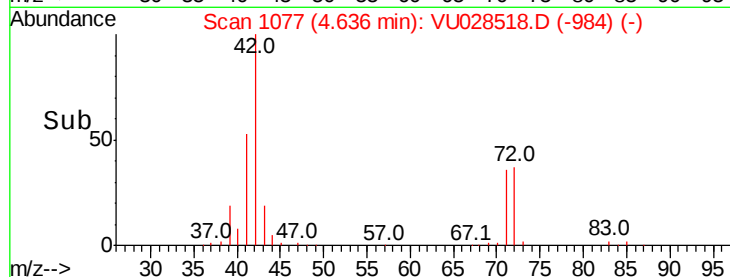
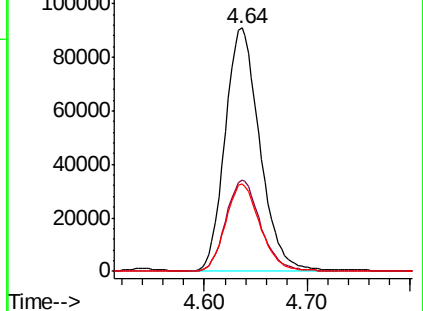
71 36.1 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.751 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028518.D

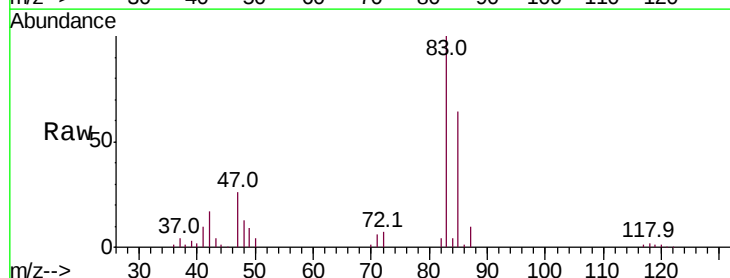
Acq: 06 Dec 2018 22:00

Tgt Ion: 83 Resp: 110545

Ion Ratio Lower Upper

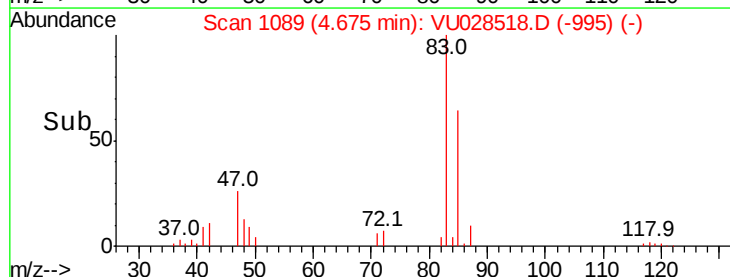
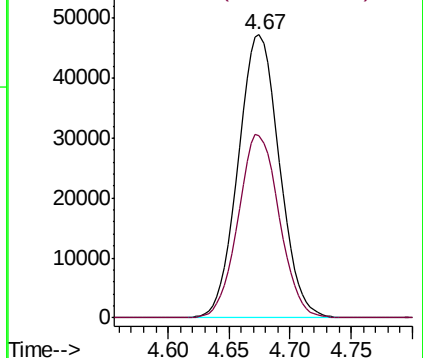
83 100

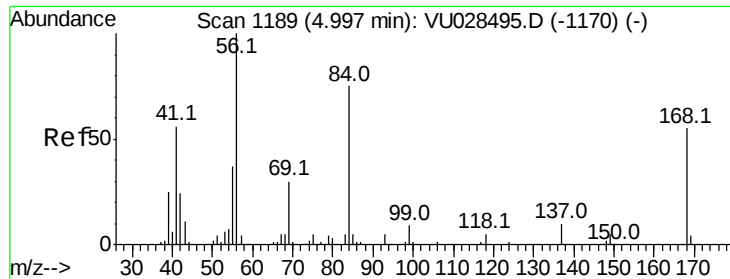
85 64.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

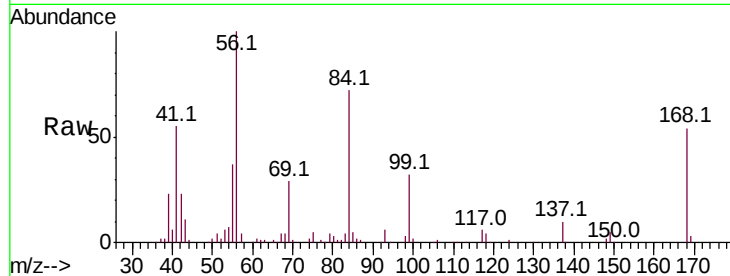




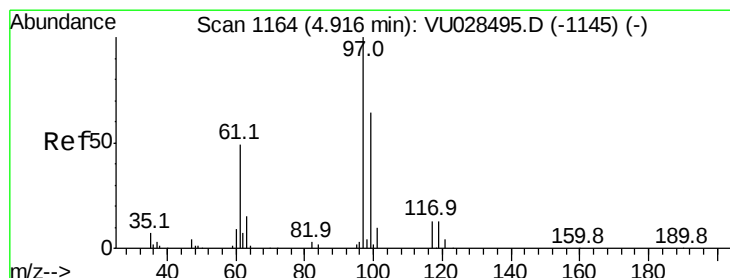
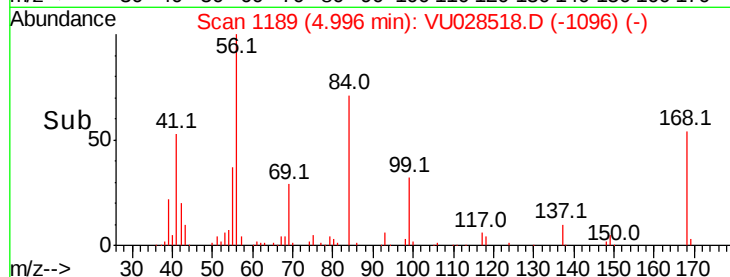
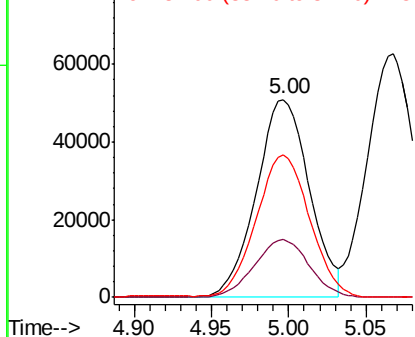
#31
Cyclohexane
Concen: 50.884 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 56 Resp: 121647
Ion Ratio Lower Upper
56 100
69 29.3 24.0 36.0
84 71.7 59.7 89.5

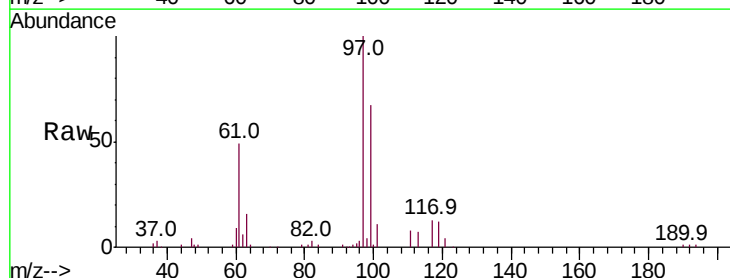


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

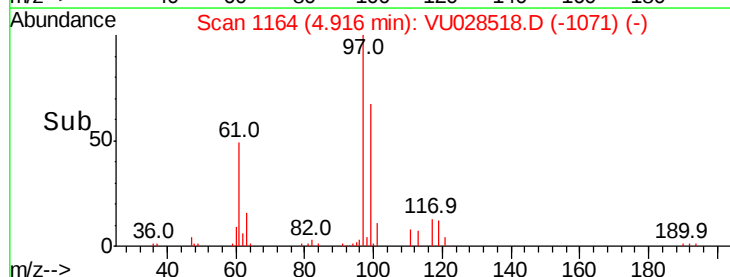
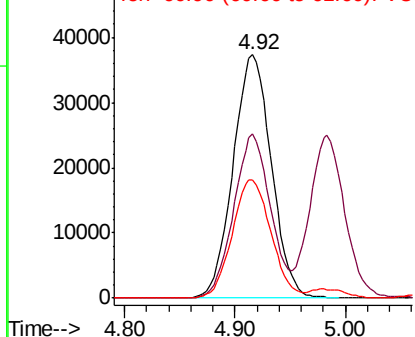


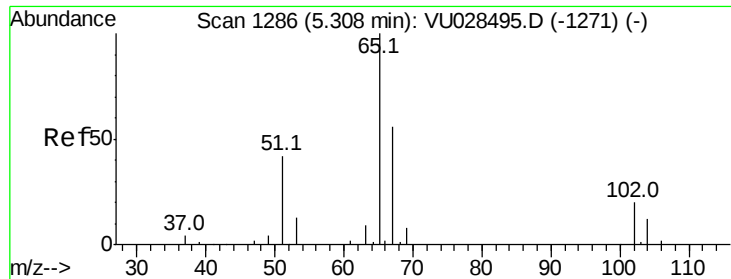
#32
1,1,1-Trichloroethane
Concen: 50.481 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 97 Resp: 89558
Ion Ratio Lower Upper
97 100
99 65.3 52.3 78.5
61 49.2 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: 53.683 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

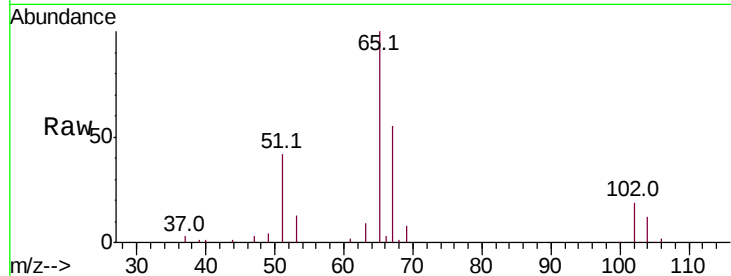
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 65 Resp: 74887

Ion Ratio Lower Upper

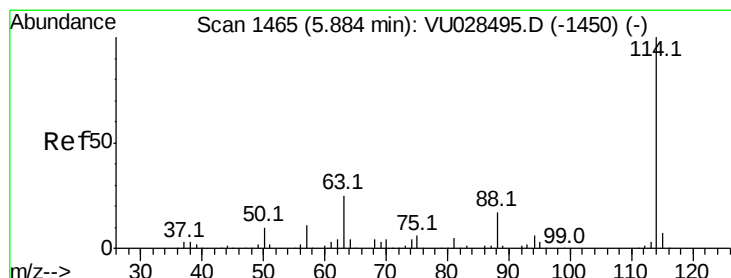
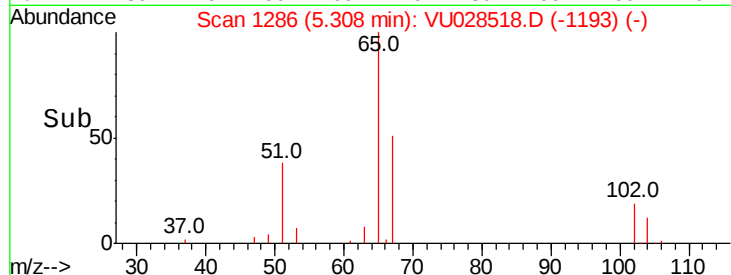
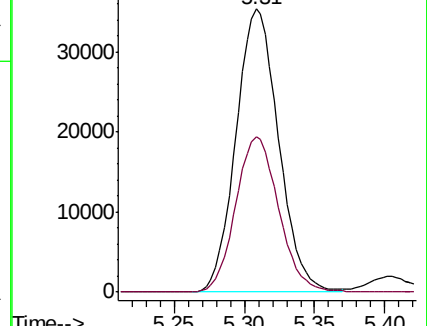
65 100

67 55.3 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) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

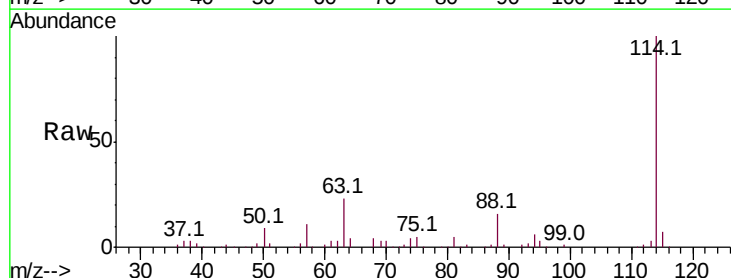
Tgt Ion: 114 Resp: 164603

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.2

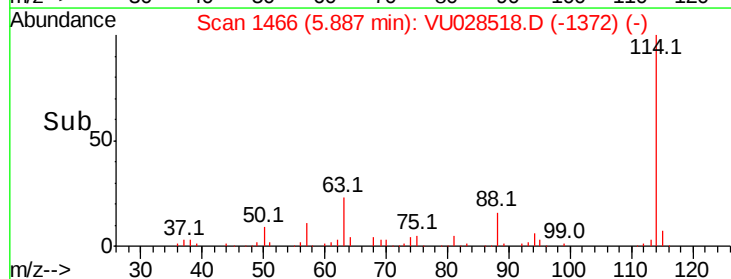
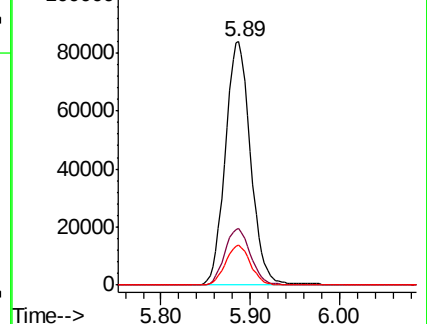
88 16.4 0.0 33.4



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) (-)





#35

Dibromofluoromethane

Concen: 52.288 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

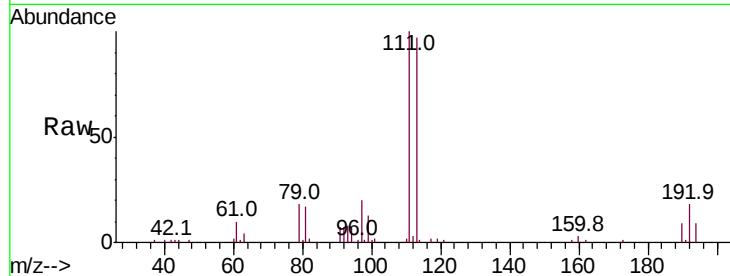
Tot Ion:113 Resp: 54163

Ion Ratio Lower Upper

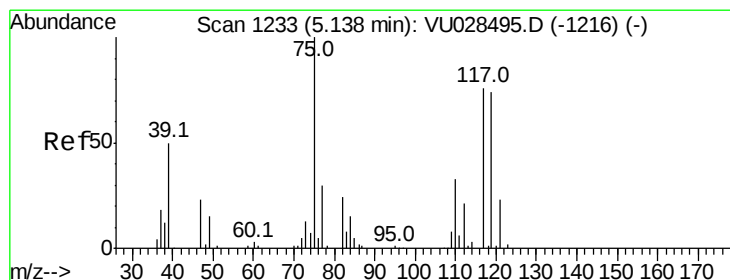
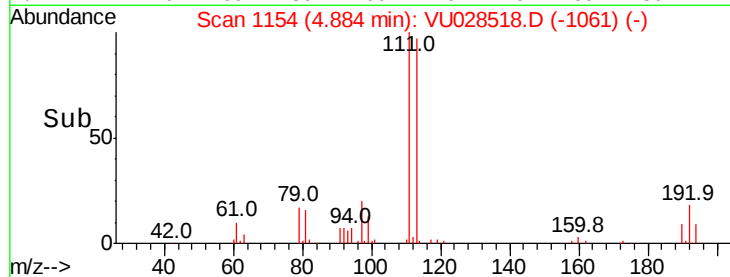
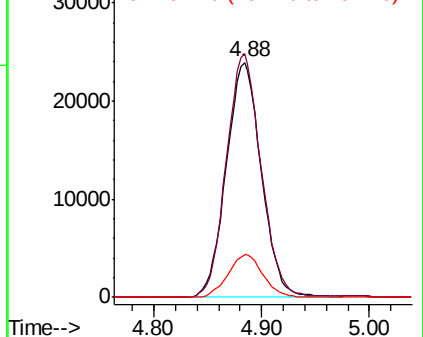
113 100

111 102.7 83.4 125.0

192 17.9 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: 48.290 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

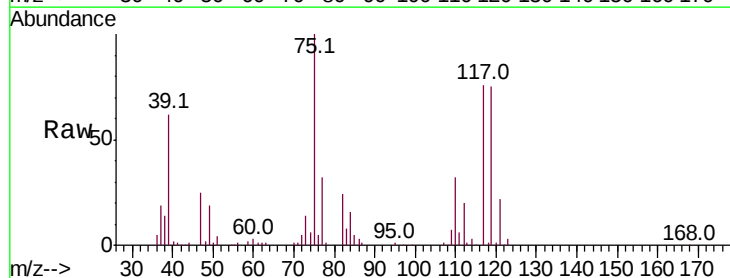
Tgt Ion: 75 Resp: 86981

Ion Ratio Lower Upper

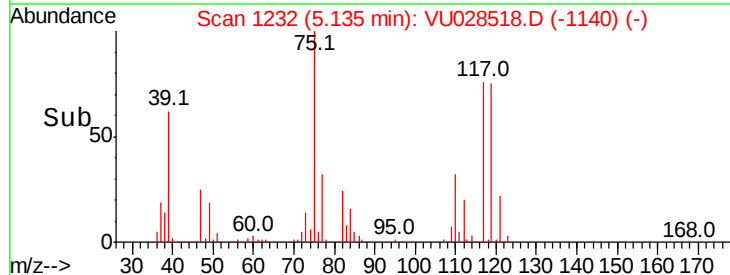
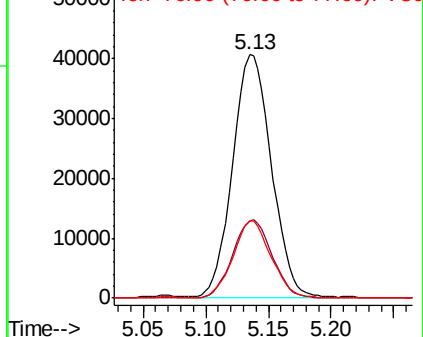
75 100

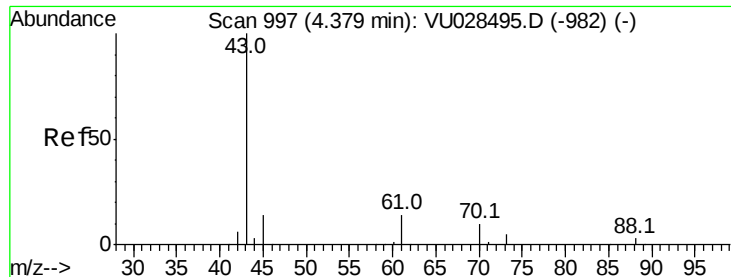
110 32.6 16.1 48.2

77 31.3 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

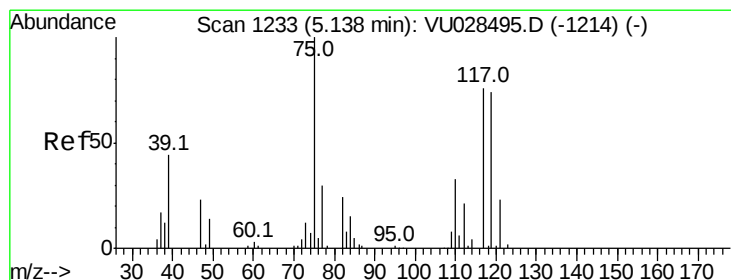
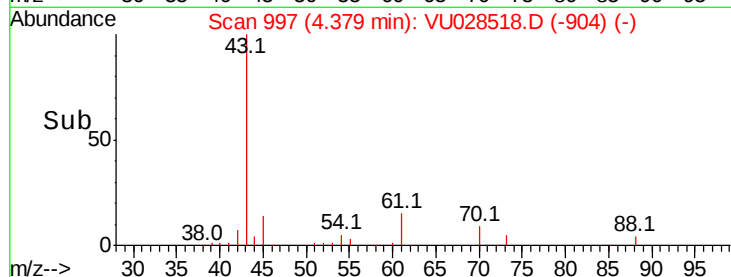
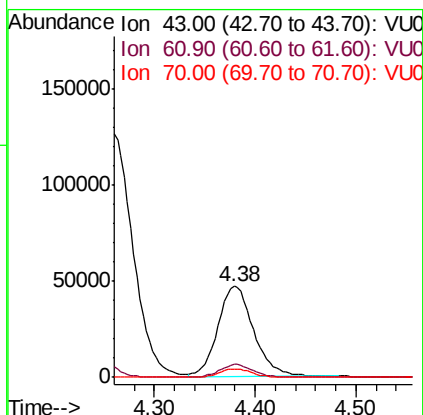
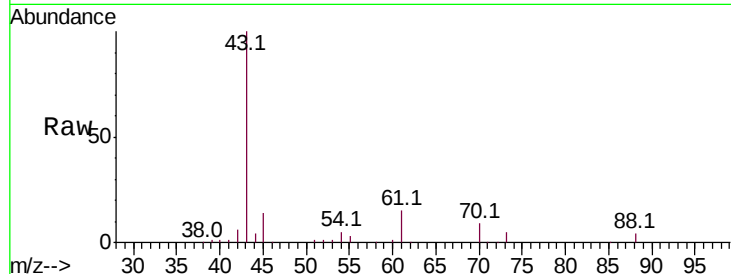




#37
Ethyl Acetate
Concen: 49.618 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

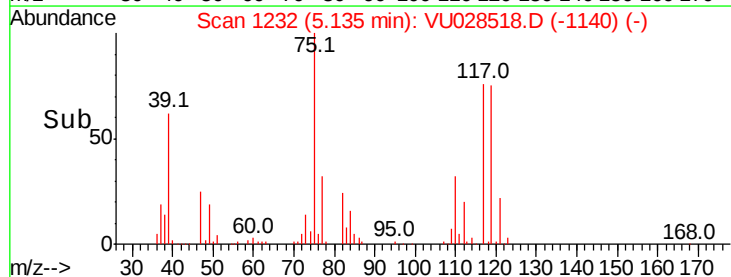
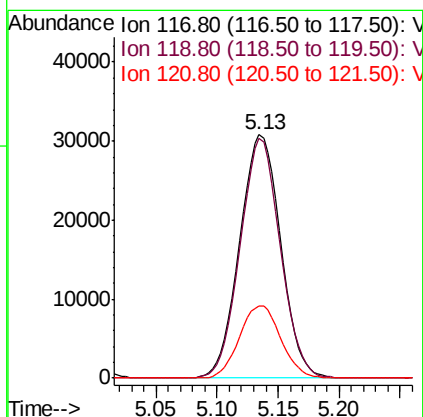
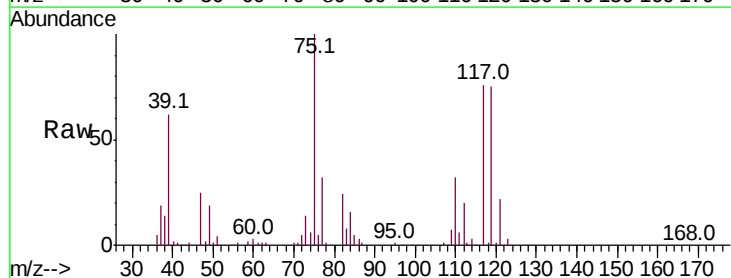
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

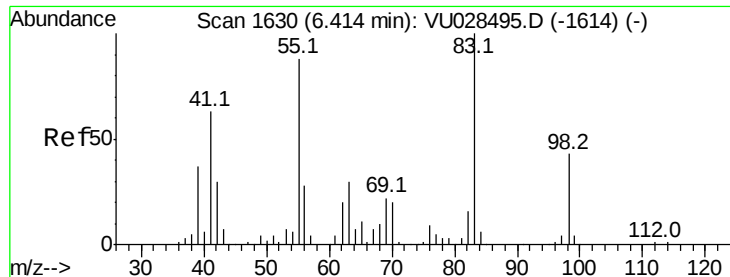
Tot Ion: 43 Resp: 115533
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 8.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 49.308 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 117 Resp: 71585
Ion Ratio Lower Upper
117 100
119 98.3 77.6 116.4
121 29.6 24.6 36.8

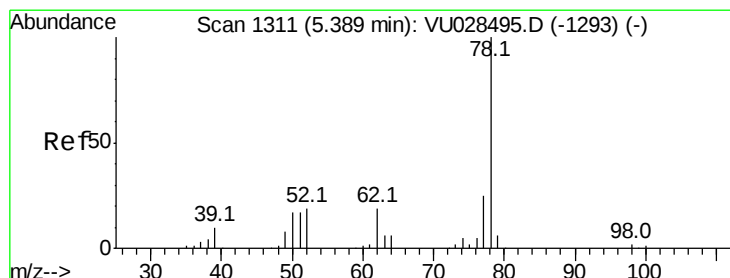
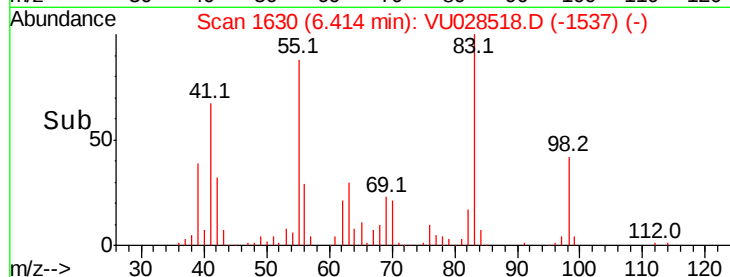
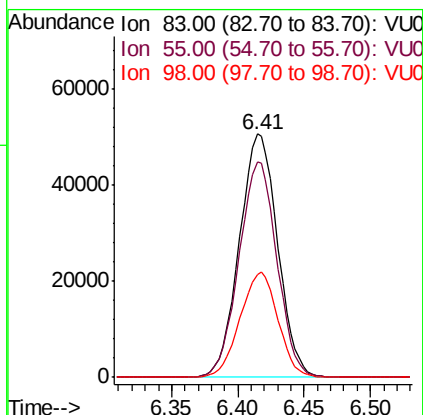
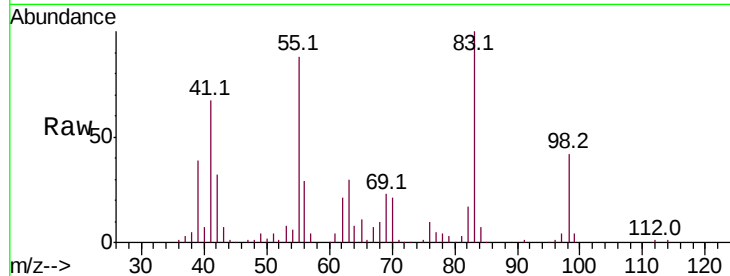




#39
Methvlcvclohexane
Concen: 46.330 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

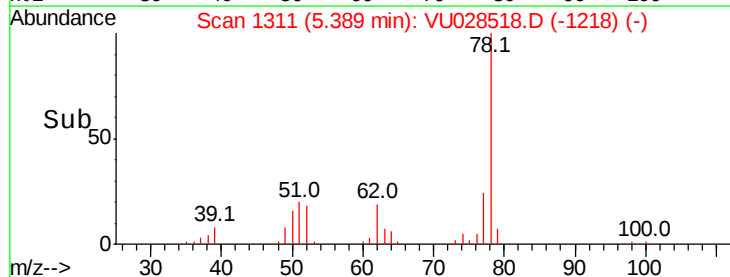
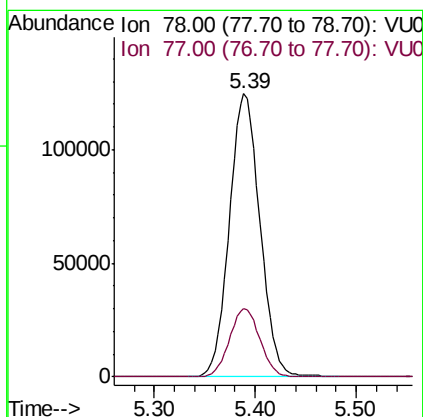
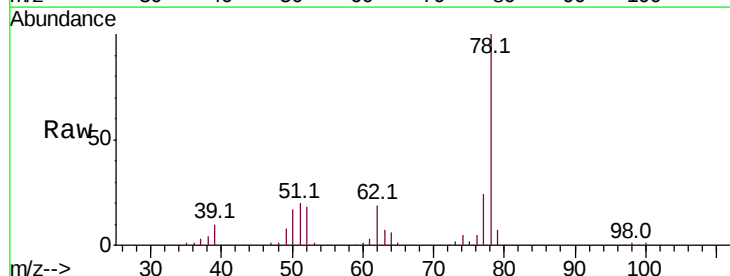
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

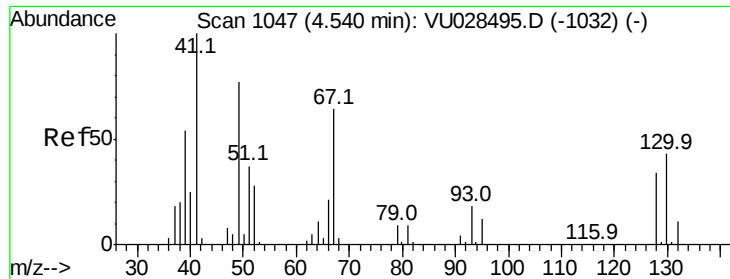
Tot Ion: 83 Resp: 101808
Ion Ratio Lower Upper
83 100
55 88.3 70.2 105.2
98 42.2 34.2 51.4



#40
Benzene
Concen: 49.615 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 78 Resp: 263210
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9

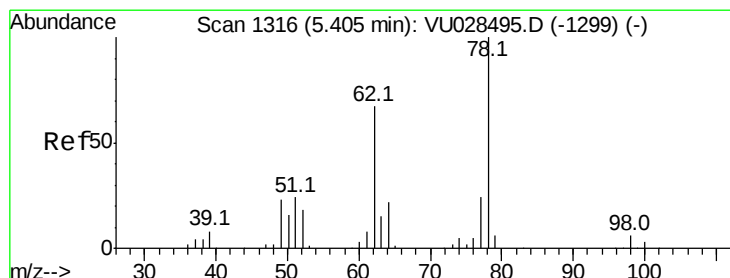
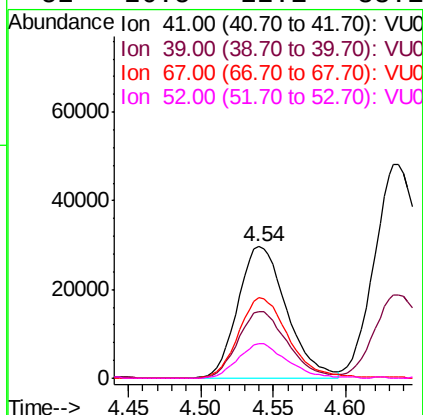
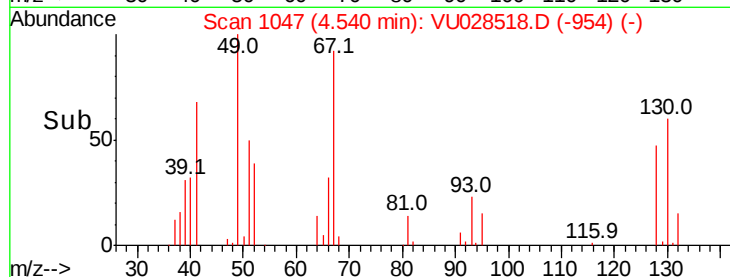
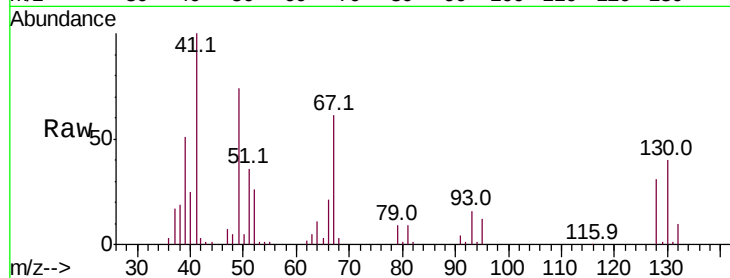




#41
Methacrylonitrile
Concen: 54.665 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

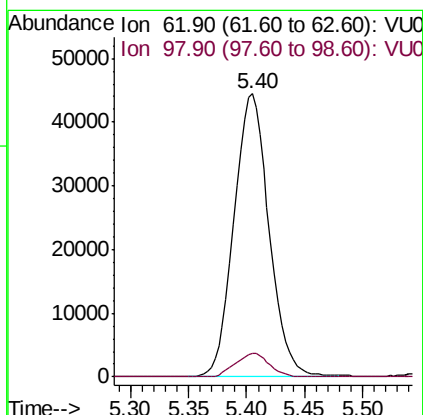
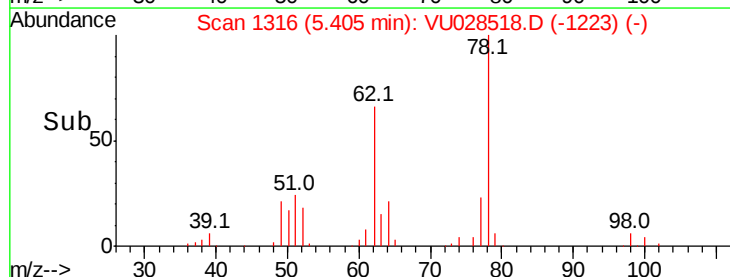
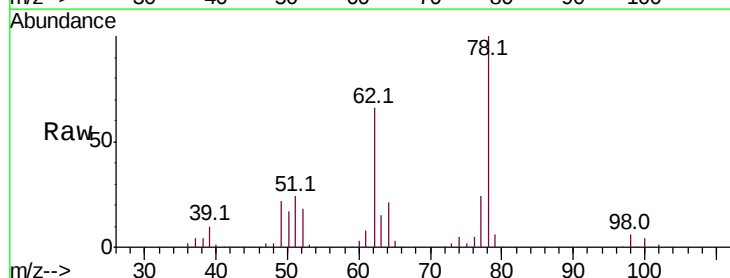
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

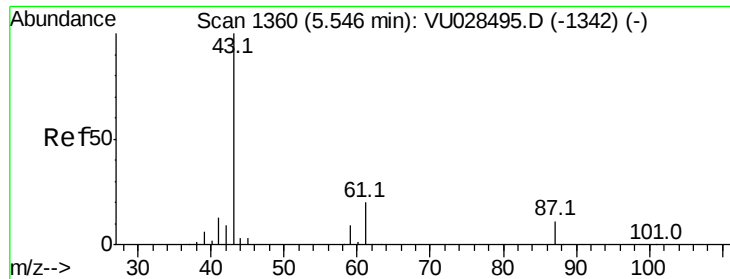
Tot Ion:	41	Resp:	69707
Ion	Ratio	Lower	Upper
41	100		
39	51.5	43.3	64.9
67	62.0	53.6	80.4
52	26.5	22.1	33.1



#42
1,2-Dichloroethane
Concen: 50.209 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:	62	Resp:	93235
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.240 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

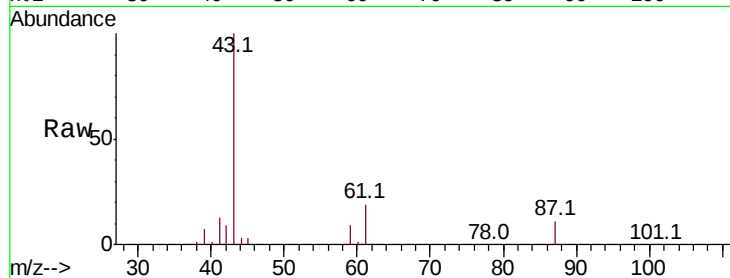
Tot Ion: 43 Resp: 185029

Ion Ratio Lower Upper

43 100

61 19.2 15.5 23.3

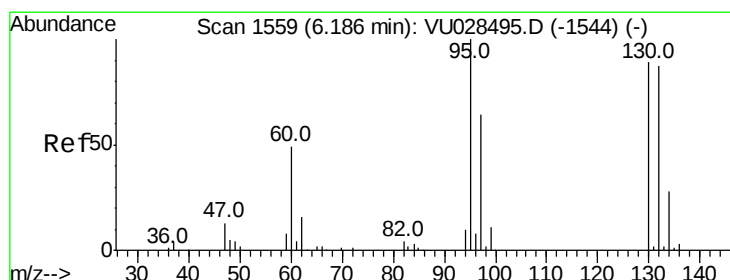
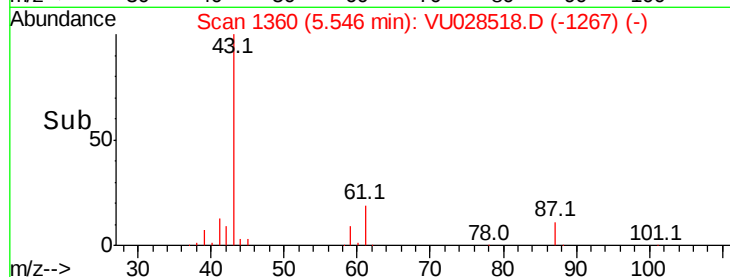
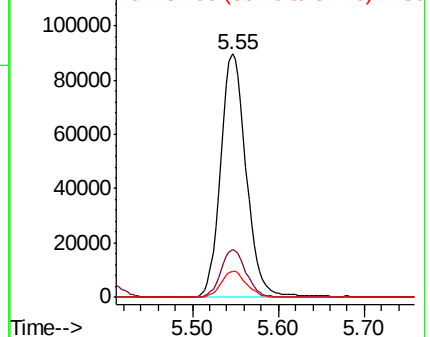
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 48.178 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028518.D

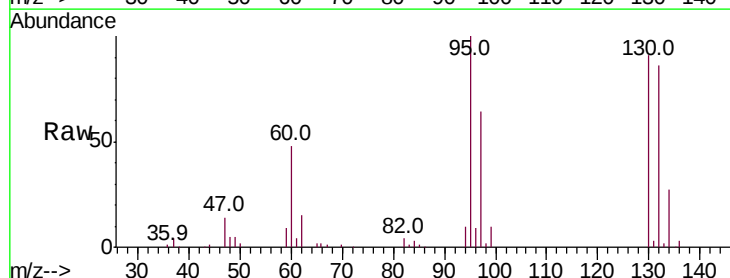
Acq: 06 Dec 2018 22:00

Tgt Ion:130 Resp: 56829

Ion Ratio Lower Upper

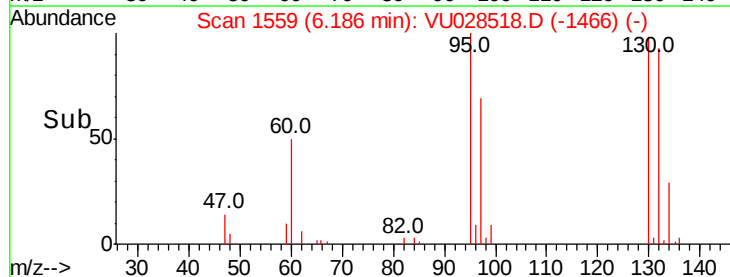
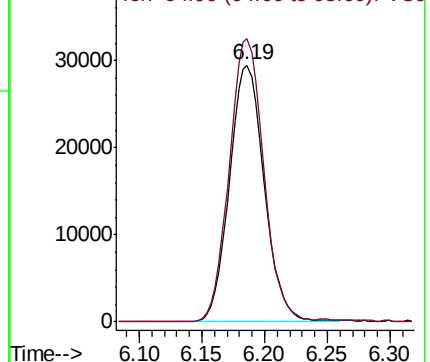
130 100

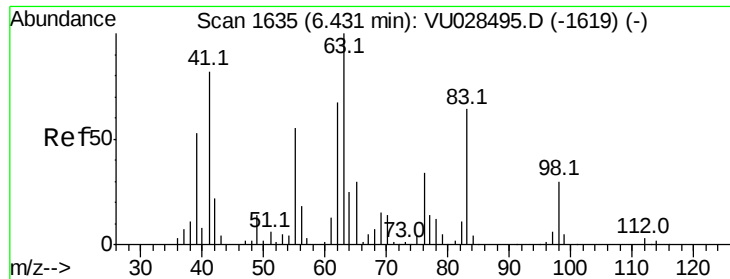
95 110.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 50.385 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

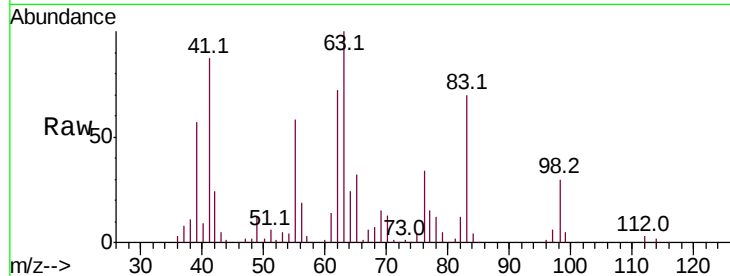
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 63 Resp: 75165

Ion Ratio Lower Upper

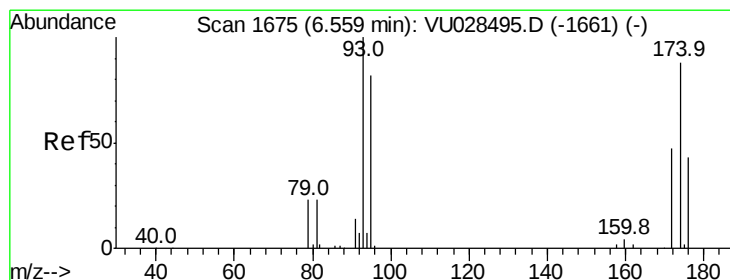
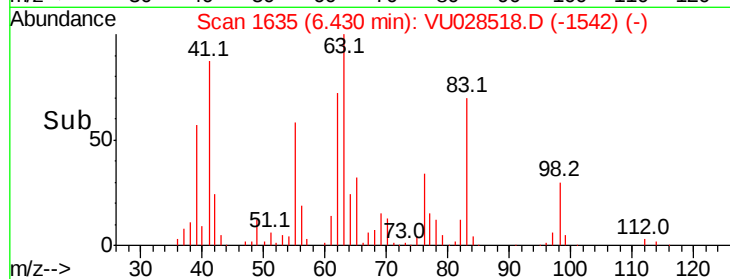
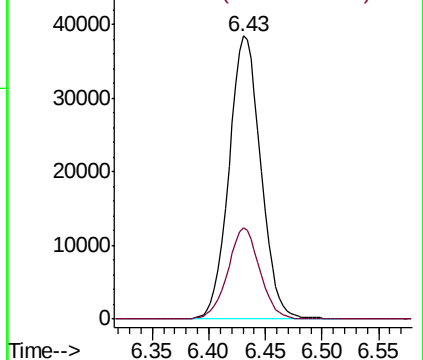
63 100

65 32.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.993 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

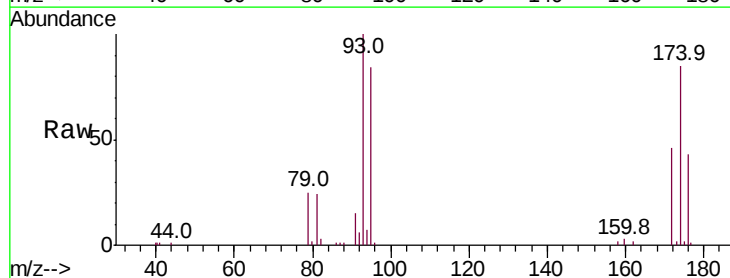
Tgt Ion: 93 Resp: 45136

Ion Ratio Lower Upper

93 100

95 82.1 65.4 98.2

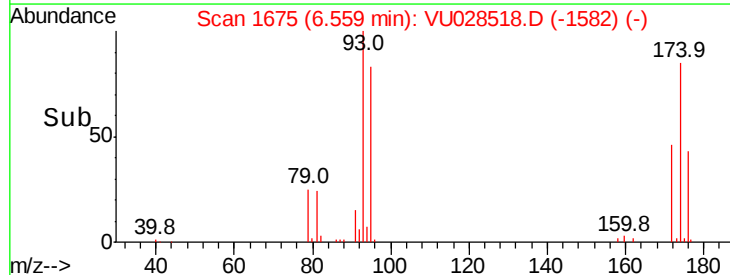
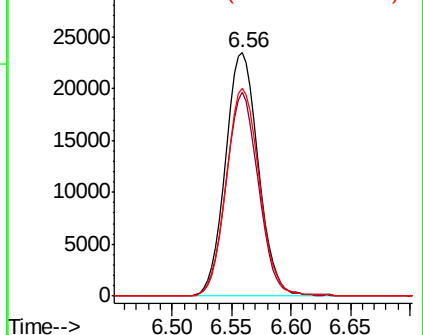
174 85.7 72.2 108.4

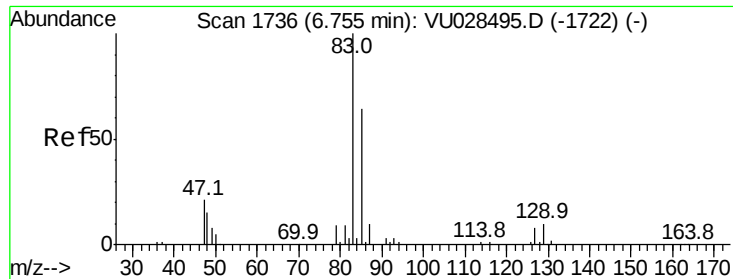


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.558 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

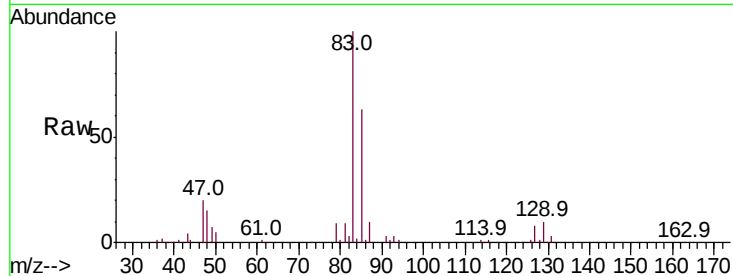
Tot Ion: 83 Resp: 85360

Ion Ratio Lower Upper

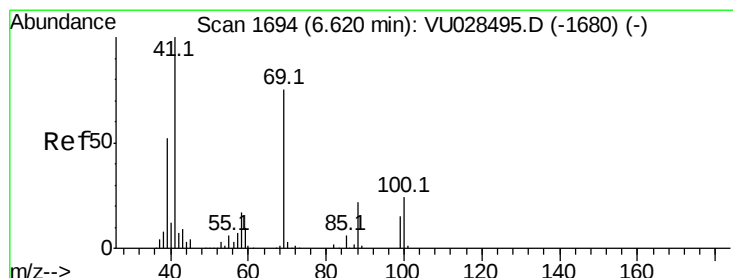
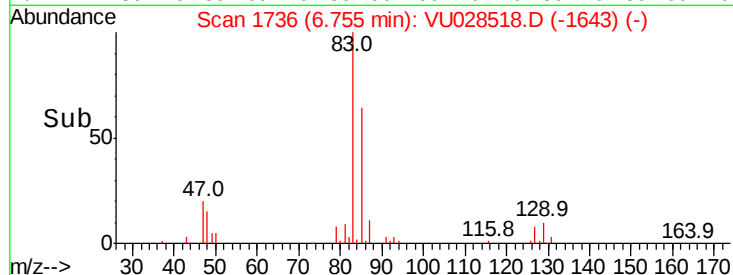
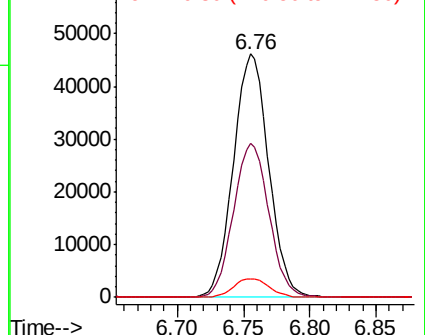
83 100

85 63.2 51.5 77.3

127 7.7 6.2 9.4



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



#48

Methyl methacrylate

Concen: 52.469 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

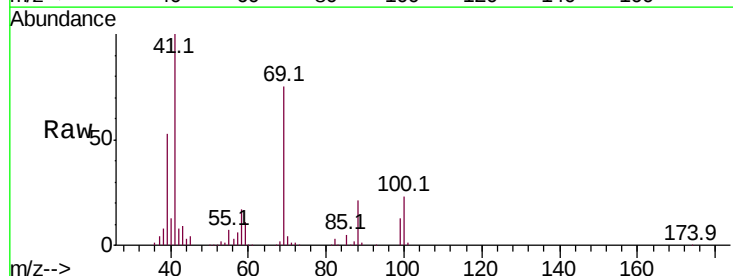
Tgt Ion: 41 Resp: 96098

Ion Ratio Lower Upper

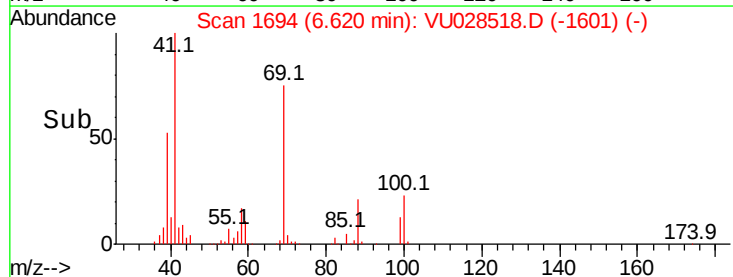
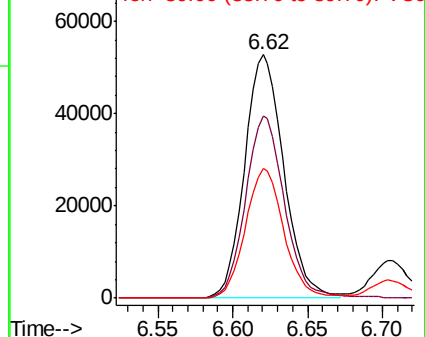
41 100

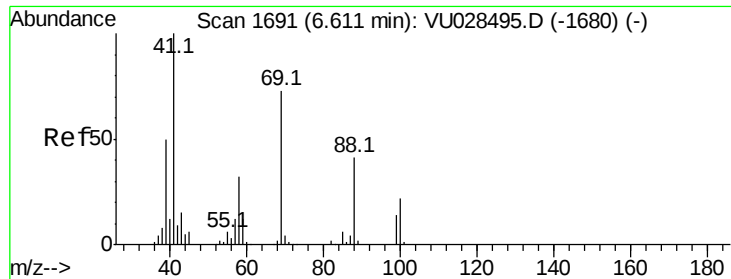
69 74.7 60.4 90.6

39 52.5 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

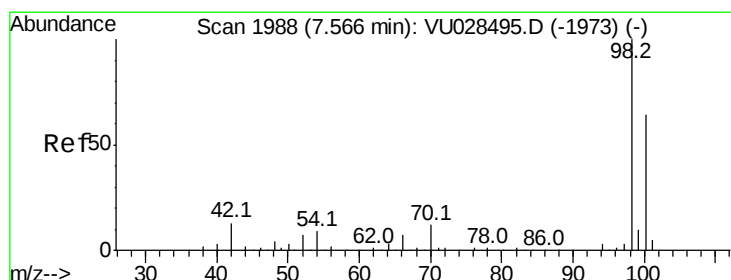
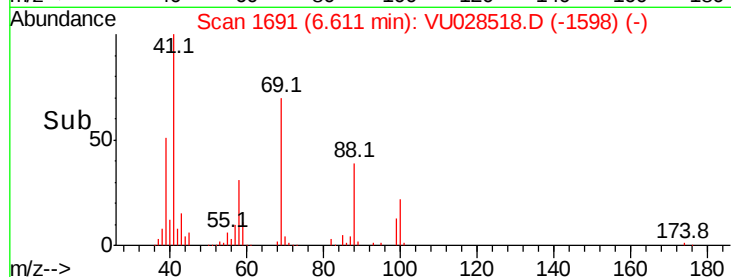
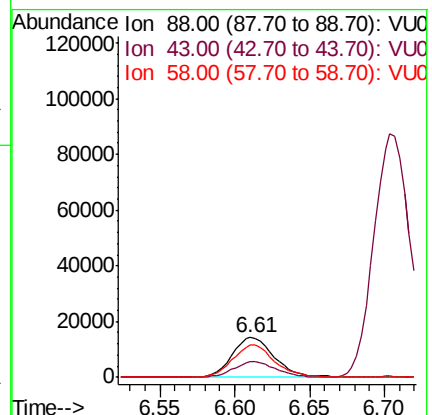
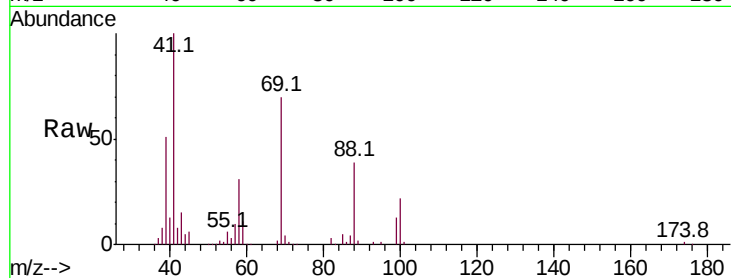




#49
1,4-Dioxane
Concen: 973.368 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

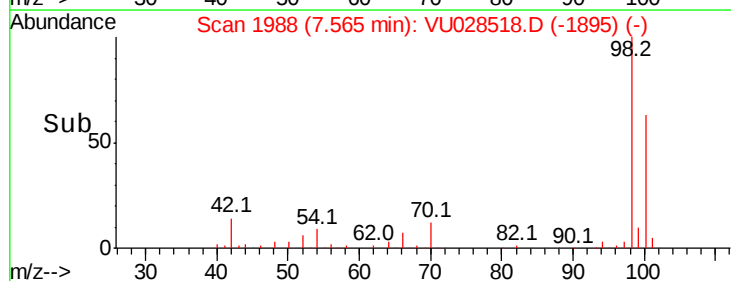
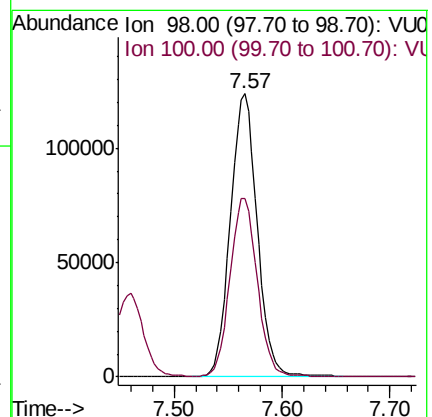
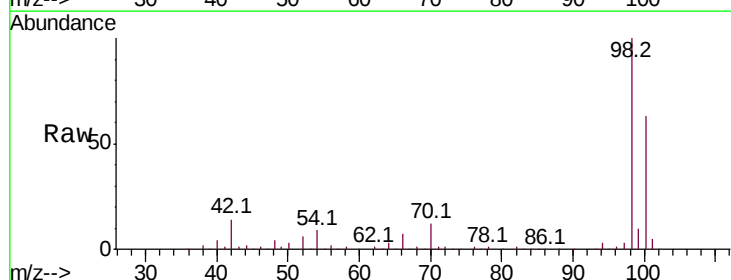
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

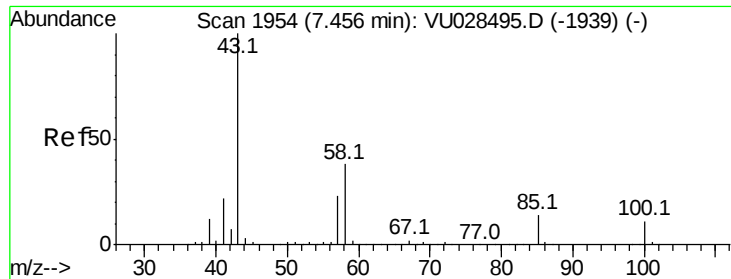
Tot Ion: 88 Resp: 28149
Ion Ratio Lower Upper
88 100
43 40.0 30.9 46.3
58 80.7 62.4 93.6



#50
Toluene-d8
Concen: 52.579 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 98 Resp: 215452
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 256.033 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

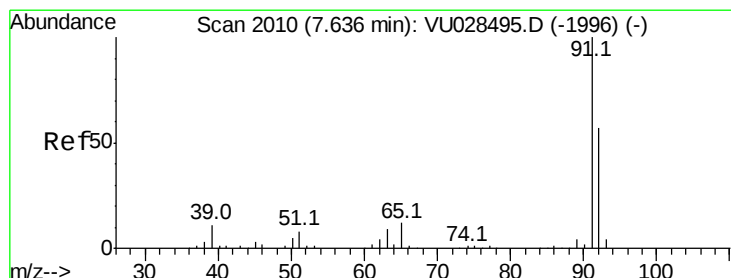
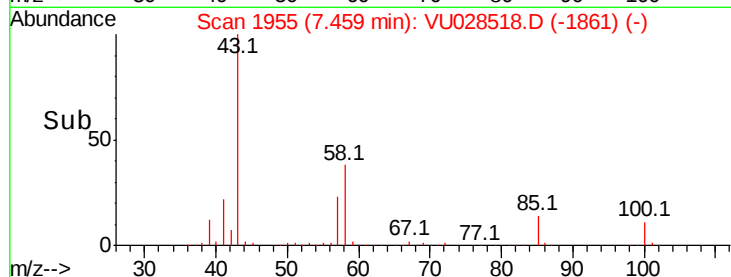
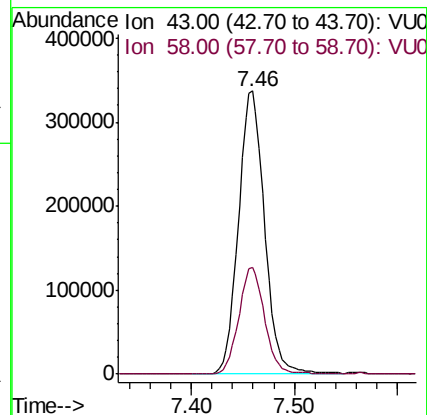
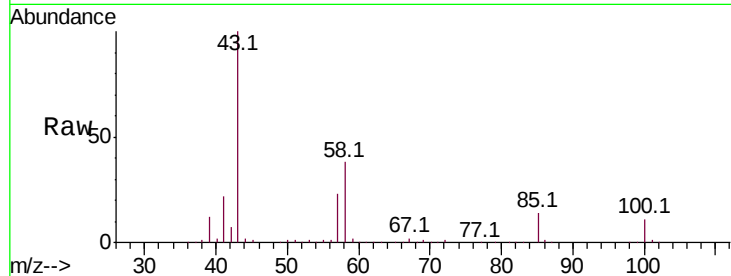
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 594729

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



#52

Toluene

Concen: 49.034 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028518.D

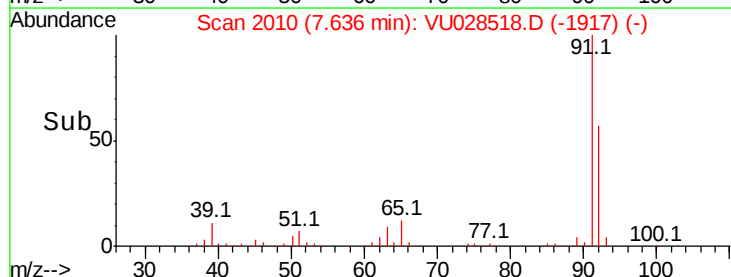
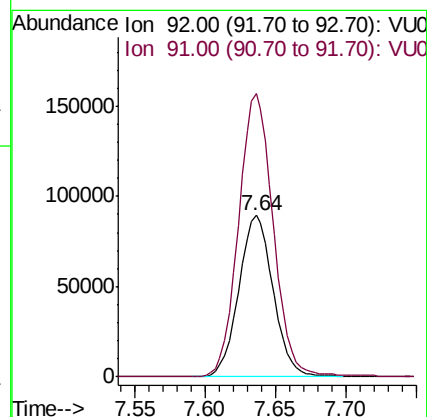
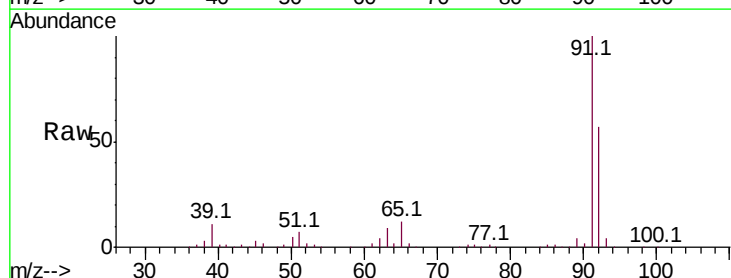
Acq: 06 Dec 2018 22:00

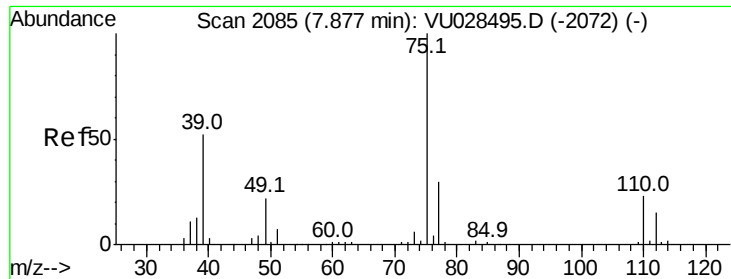
Tgt Ion: 92 Resp: 153089

Ion Ratio Lower Upper

92 100

91 177.7 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 49.931 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

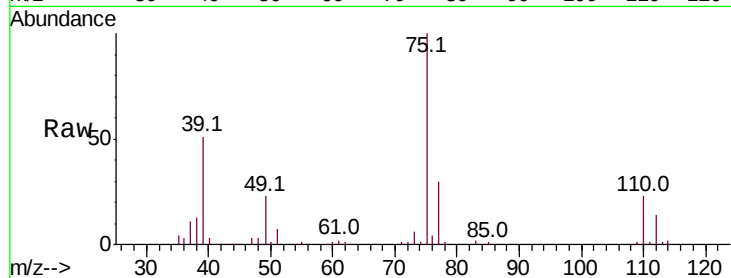
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 102427

Ion Ratio Lower Upper

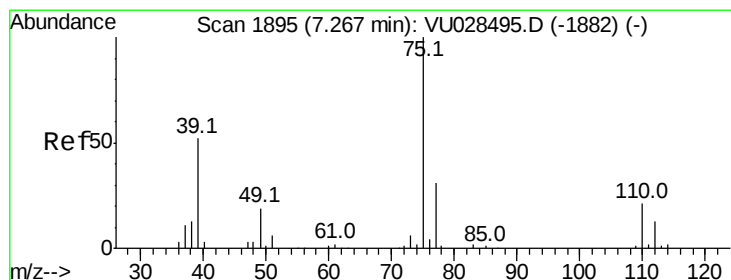
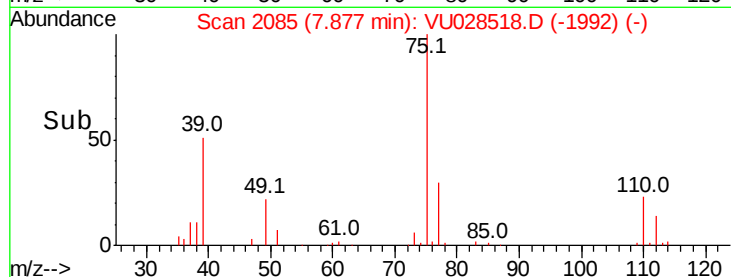
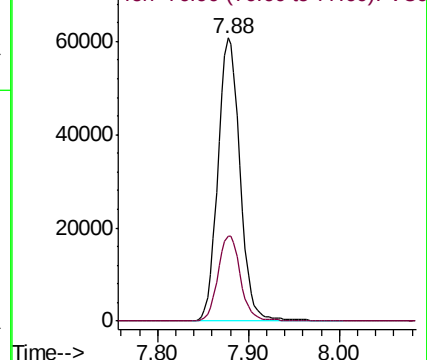
75 100

77 30.2 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: 48.343 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

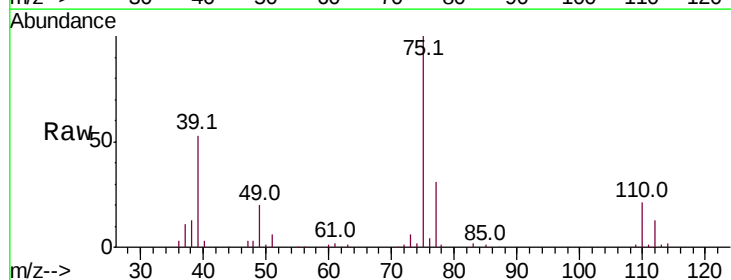
Tgt Ion: 75 Resp: 107592

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

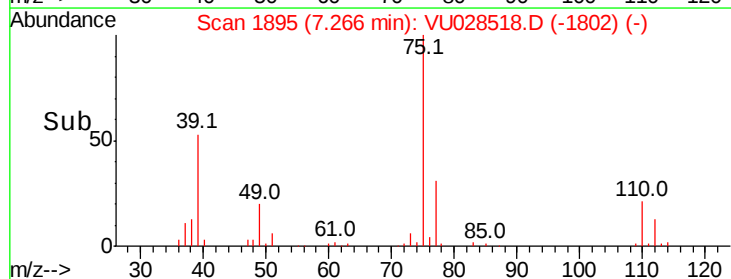
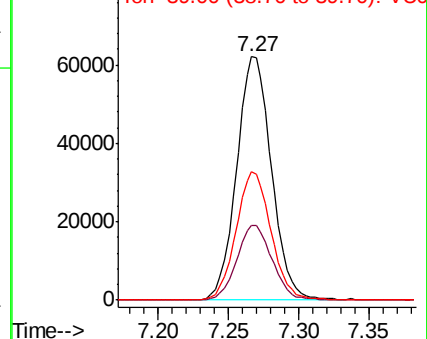
39 52.6 41.3 61.9

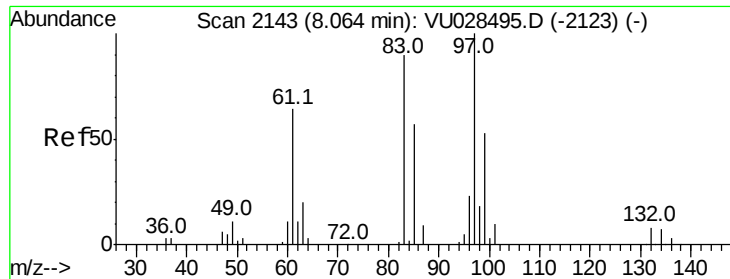


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

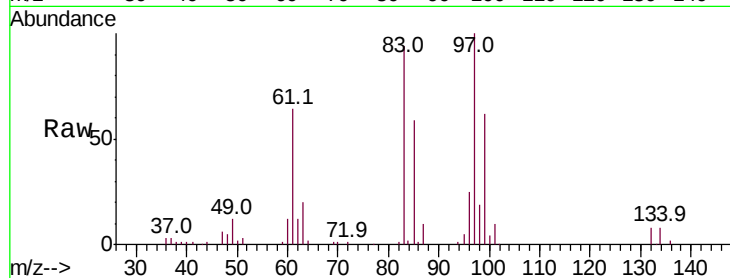




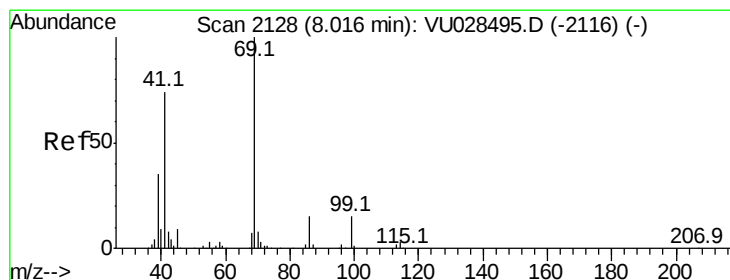
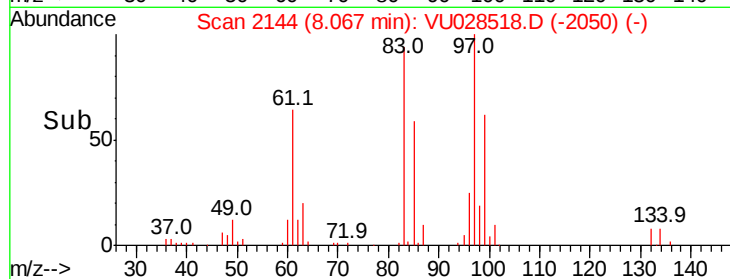
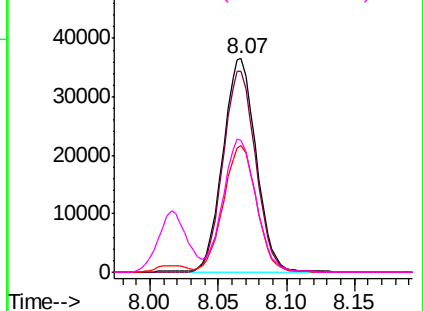
#55
 1,1,2-Trichloroethane
 Concen: 50.199 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	97	Resp:	61953
Ion	Ratio	Lower	Upper
97	100		
83	94.1	72.4	108.6
85	59.2	46.0	69.0
99	61.8	47.4	71.2

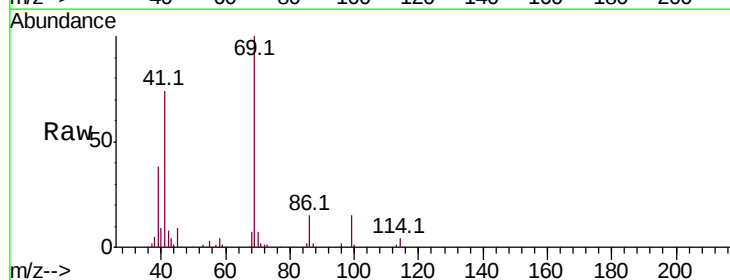


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

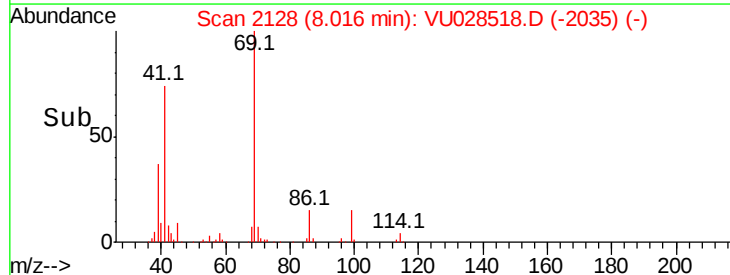
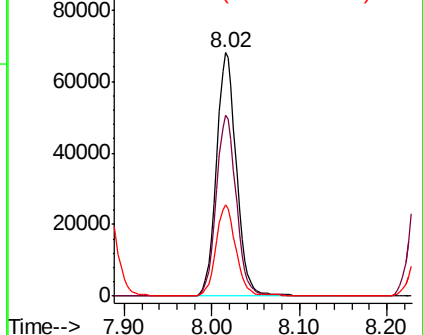


#56
 Ethyl methacrylate
 Concen: 51.039 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion:	69	Resp:	107867
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.1	88.7
39	37.7	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: 49.314 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

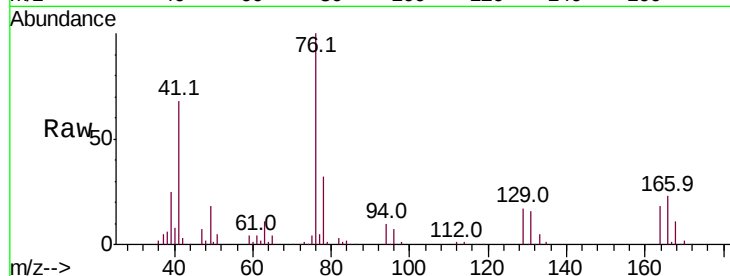
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 76 Resp: 112976

Ion Ratio Lower Upper

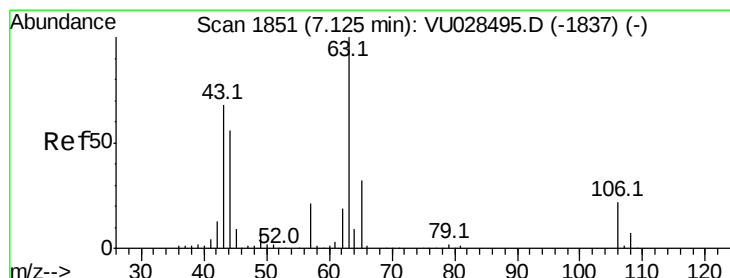
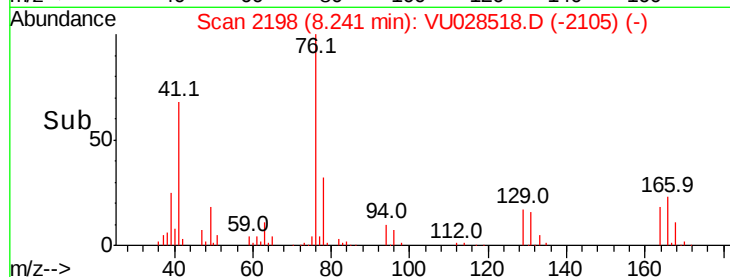
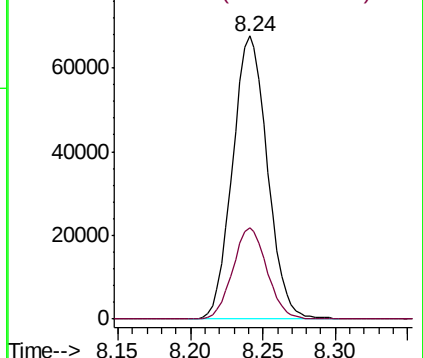
76 100

78 31.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 0.547 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.14 min

Lab File: VU028518.D

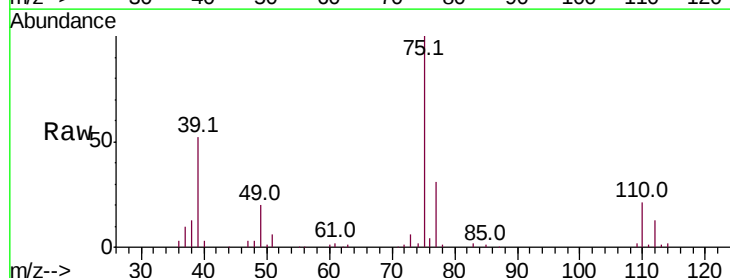
Acq: 06 Dec 2018 22:00

Tgt Ion: 63 Resp: 592

Ion Ratio Lower Upper

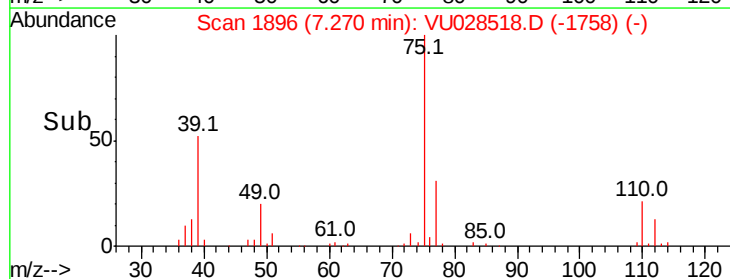
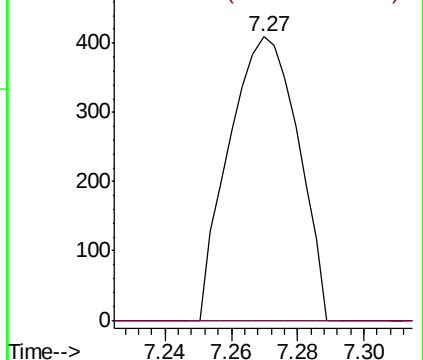
63 100

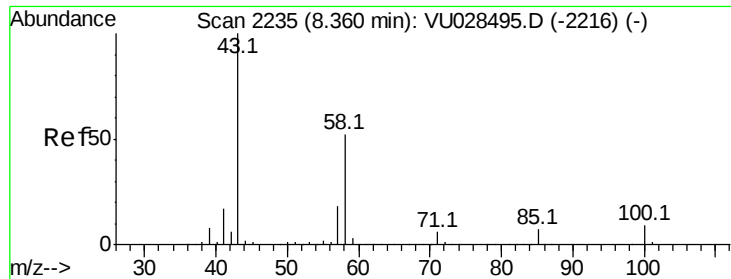
106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

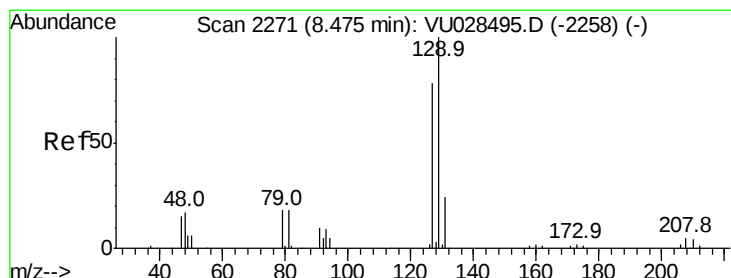
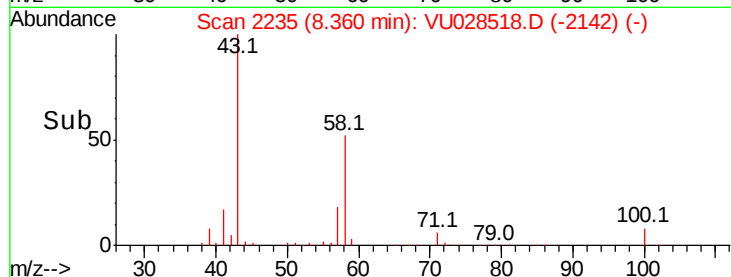
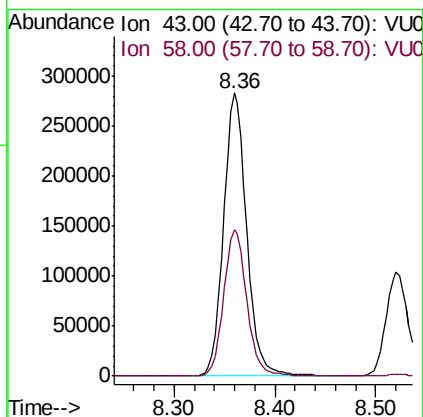
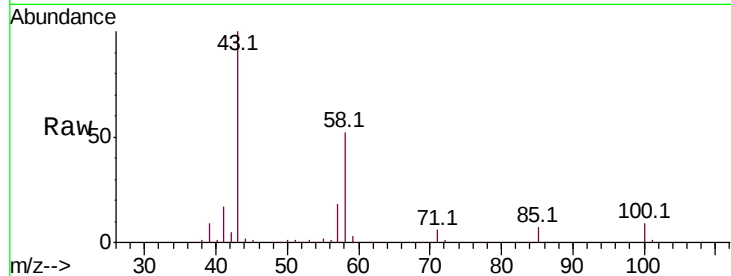




#59
2-Hexanone
Concen: 246.640 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

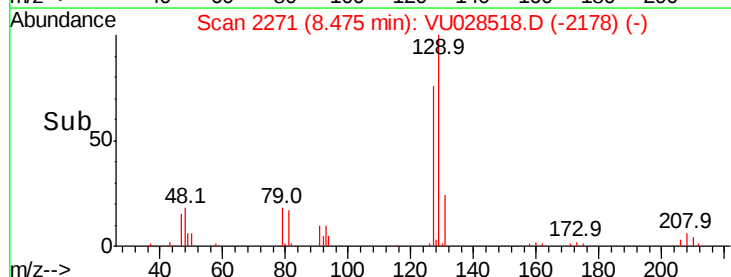
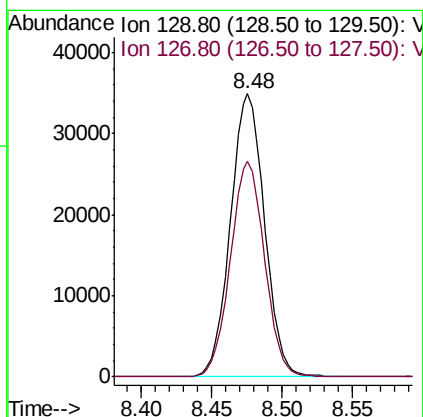
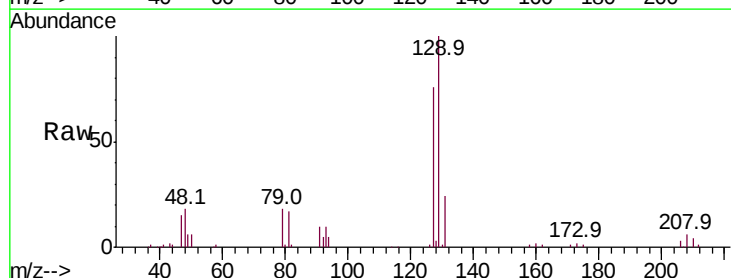
Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

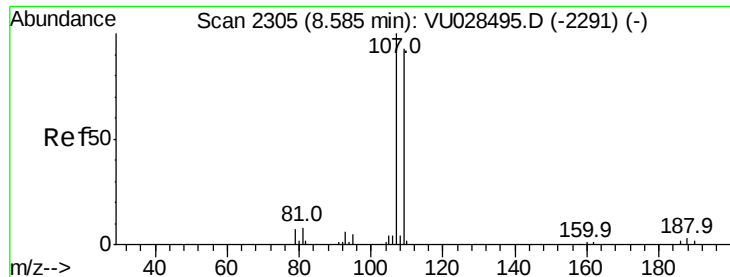
Tot Ion: 43 Resp: 454092
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6



#60
Dibromochloromethane
Concen: 48.941 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 129 Resp: 59136
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.031 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

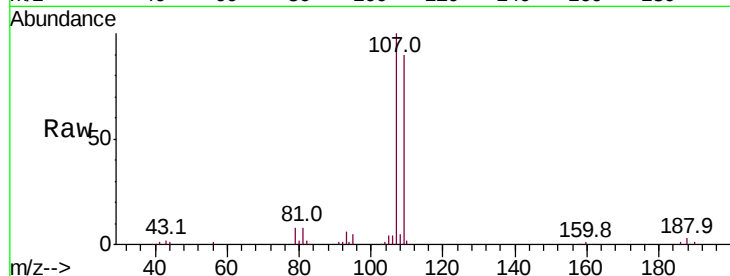
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:107 Resp: 66044

Ion Ratio Lower Upper

107 100

109 92.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

30000

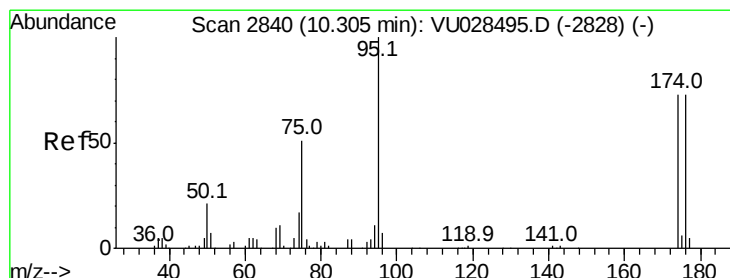
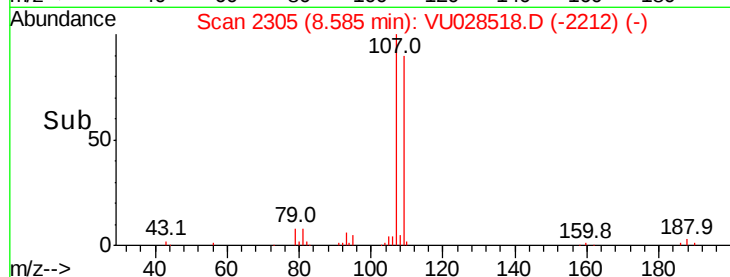
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

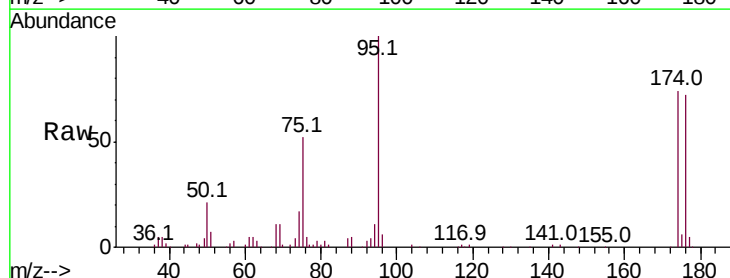
Tgt Ion: 95 Resp: 80233

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 72.2 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

60000

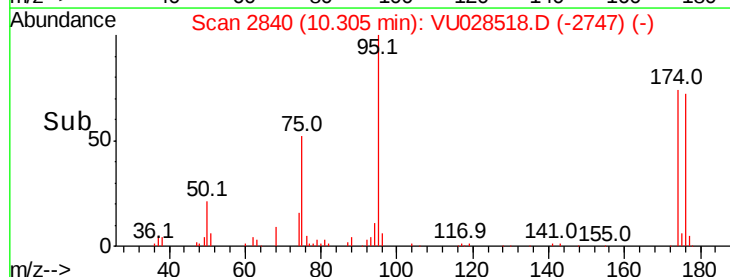
40000

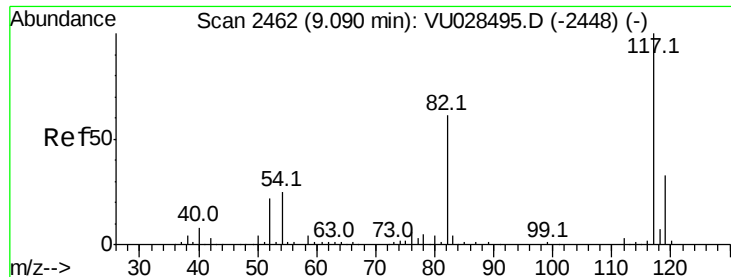
20000

0

10.30 10.40

Time-->

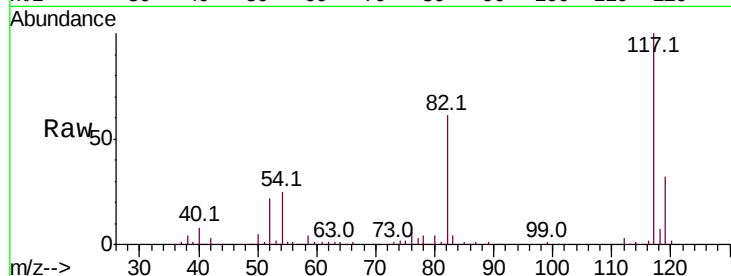




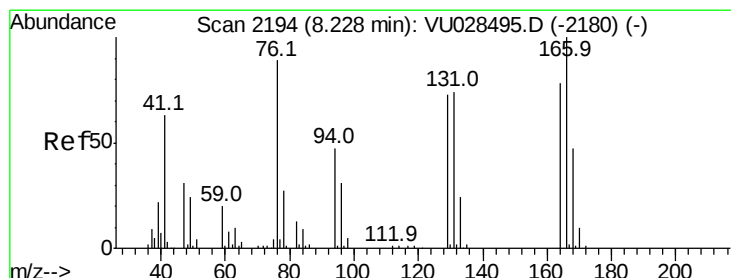
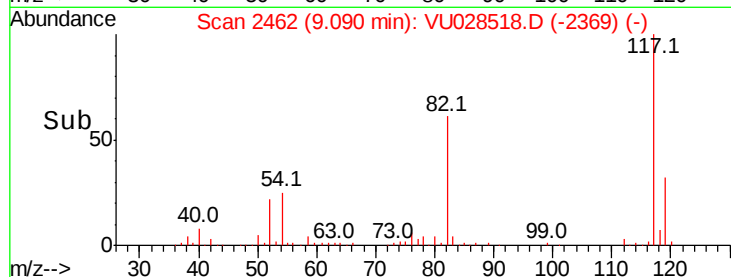
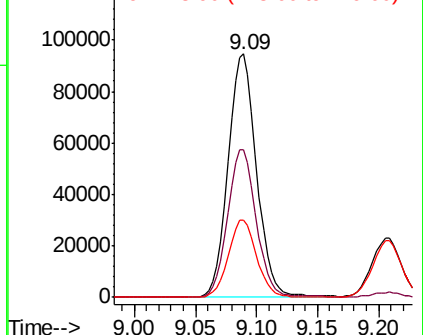
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:117 Resp: 154910
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 32.0 26.2 39.4



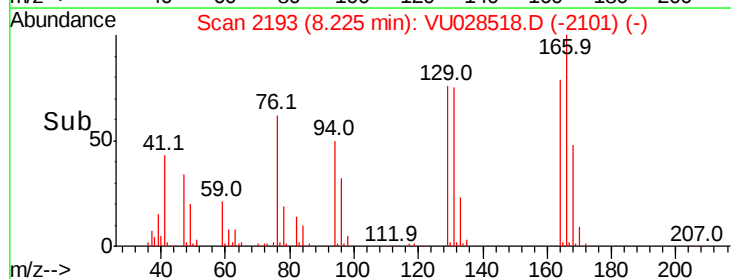
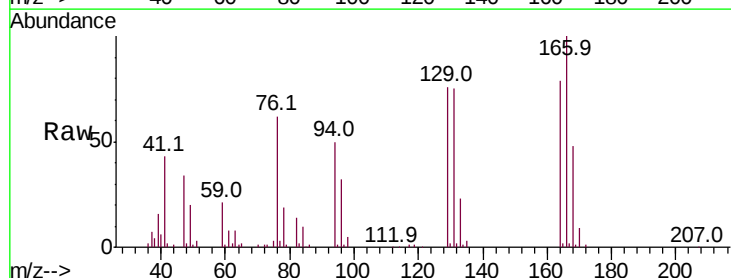
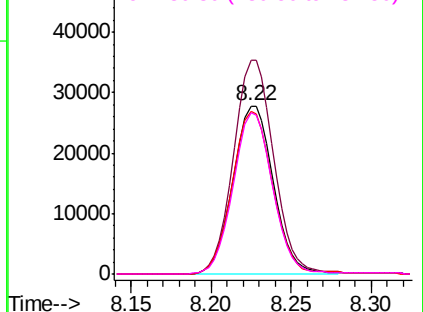
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

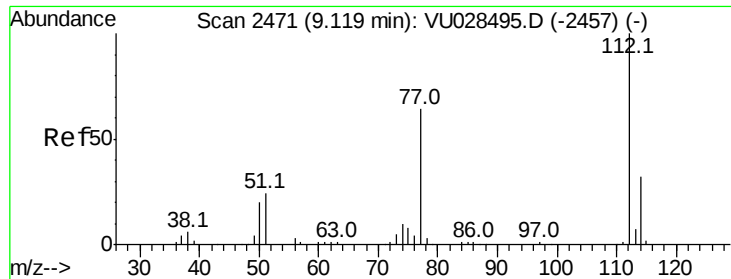


#64
Tetrachloroethene
Concen: 46.328 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:164 Resp: 47870
Ion Ratio Lower Upper
164 100
166 126.8 101.9 152.9
129 96.7 74.9 112.3
131 95.7 75.4 113.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.304 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

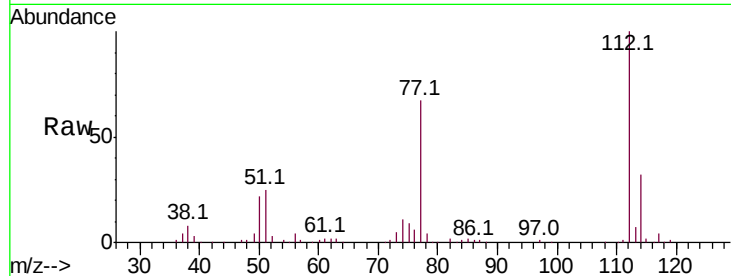
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:112 Resp: 159450

Ion Ratio Lower Upper

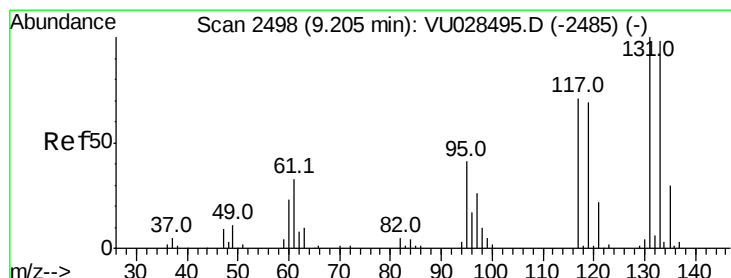
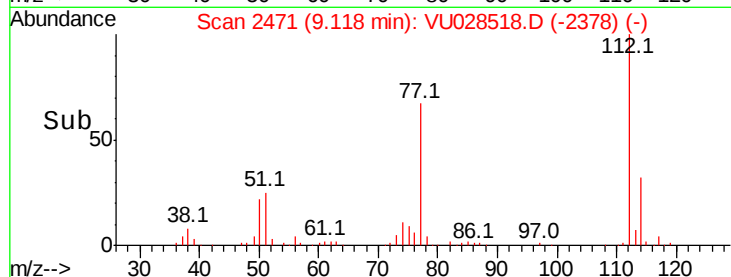
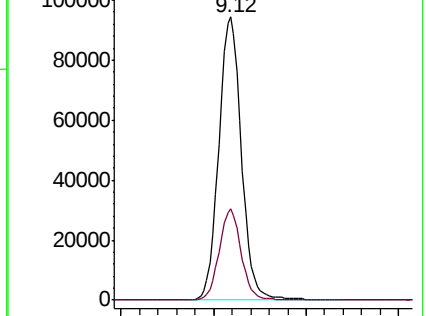
112 100

114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.782 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

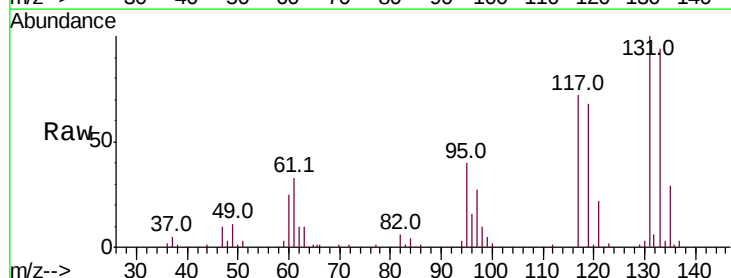
Tgt Ion:131 Resp: 53530

Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.0

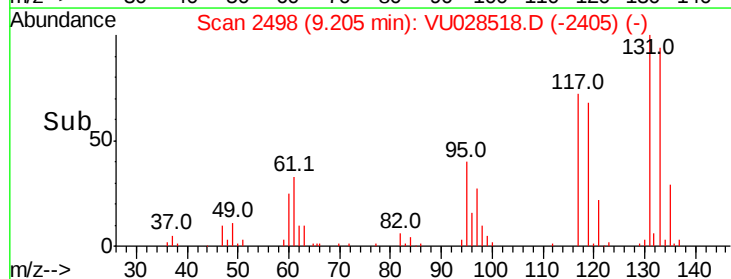
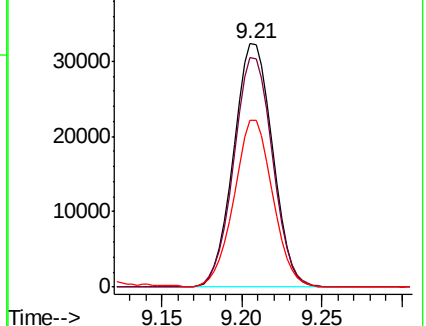
119 68.2 34.6 103.9

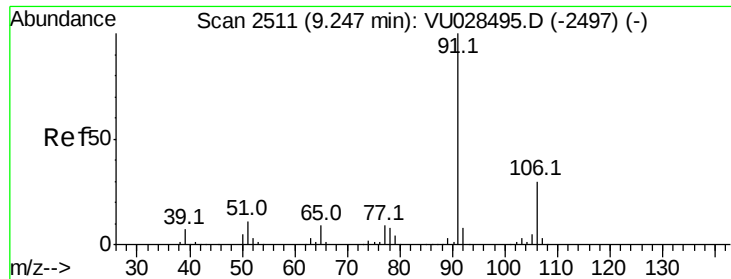


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.846 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

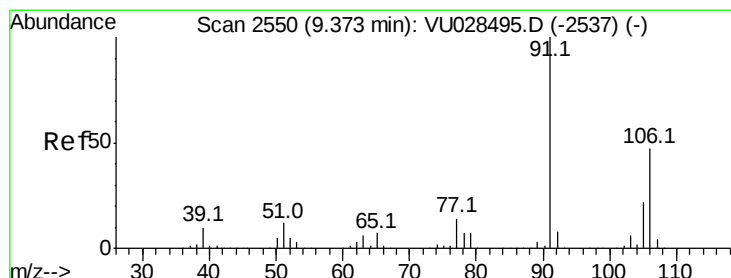
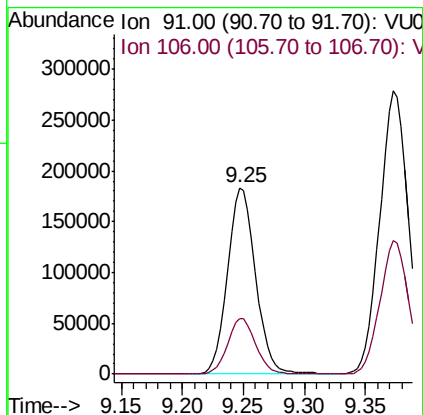
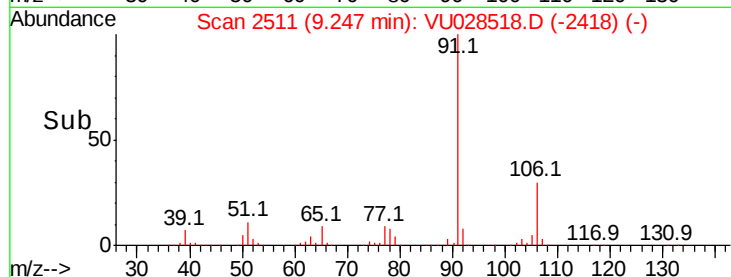
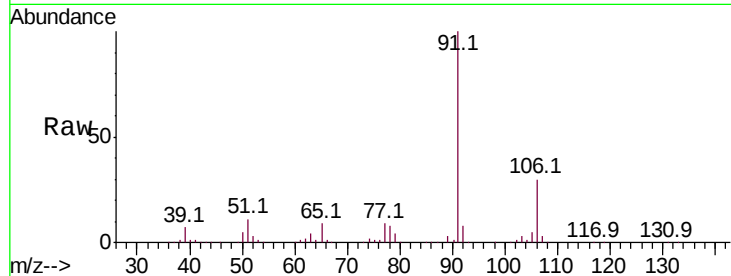
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 91 Resp: 296409

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 97.550 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028518.D

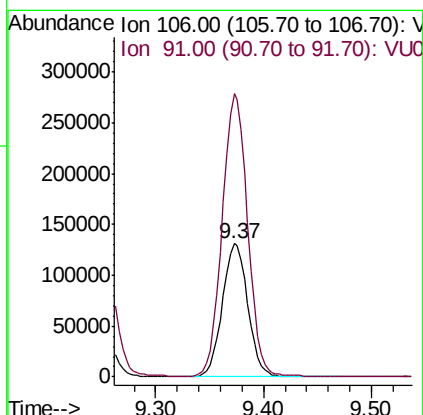
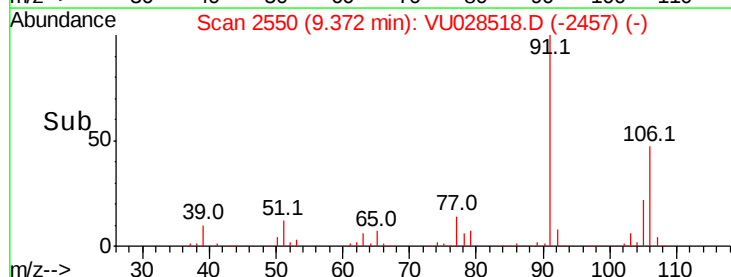
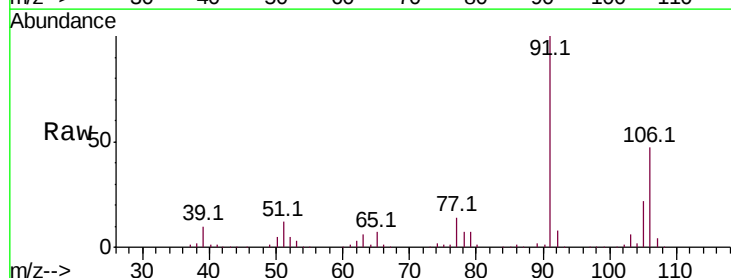
Acq: 06 Dec 2018 22:00

Tgt Ion: 106 Resp: 215399

Ion Ratio Lower Upper

106 100

91 212.9 167.4 251.0

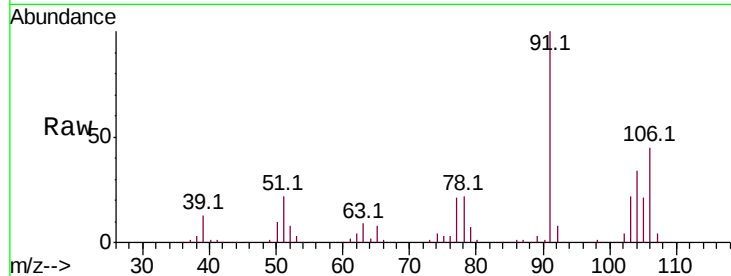




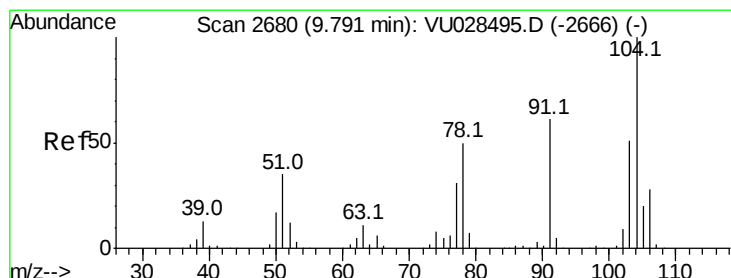
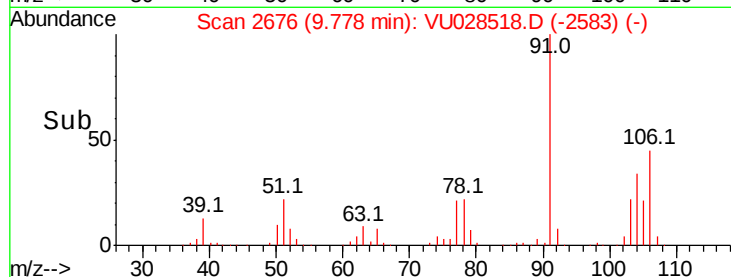
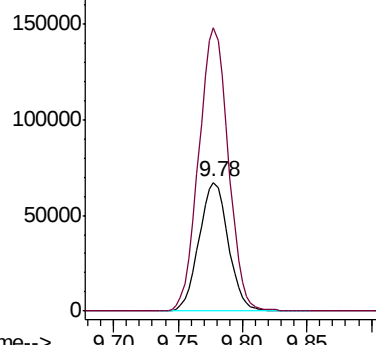
#69
o-Xylene
Concen: 49.436 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:106 Resp: 106080
Ion Ratio Lower Upper
106 100
91 221.8 111.3 334.0

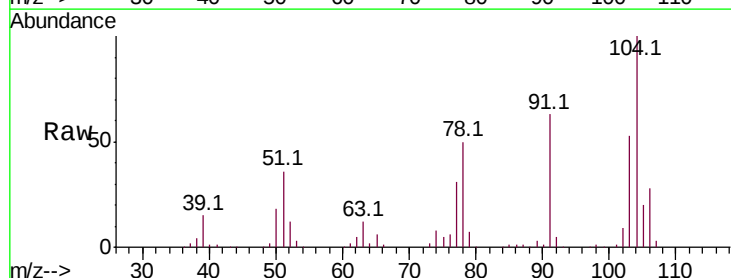


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

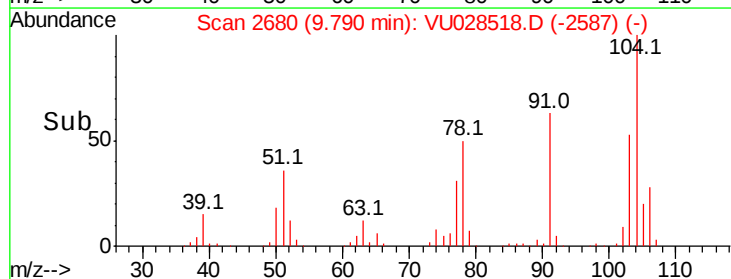
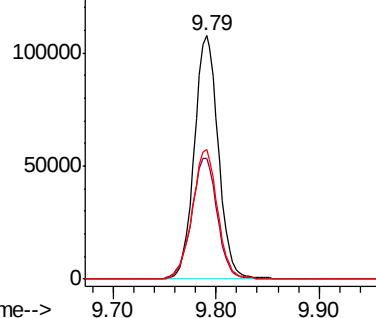


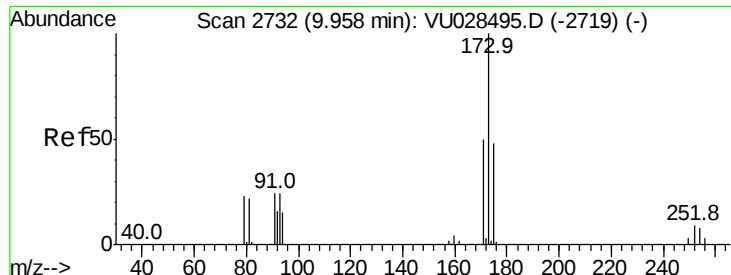
#70
Styrene
Concen: 49.155 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:104 Resp: 174558
Ion Ratio Lower Upper
104 100
78 53.1 43.0 64.6
103 55.9 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: 50.183 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

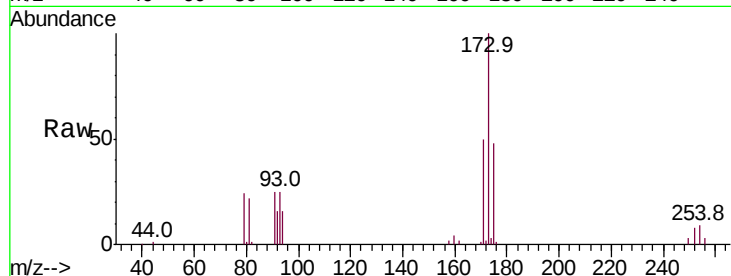
Tot Ion:173 Resp: 45000

Ion Ratio Lower Upper

173 100

175 47.9 23.9 71.8

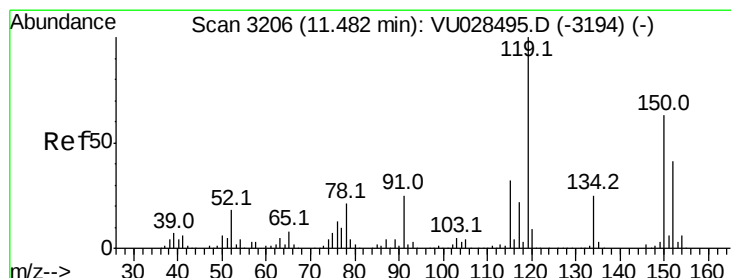
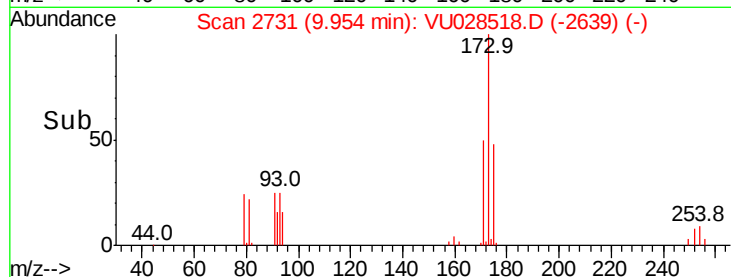
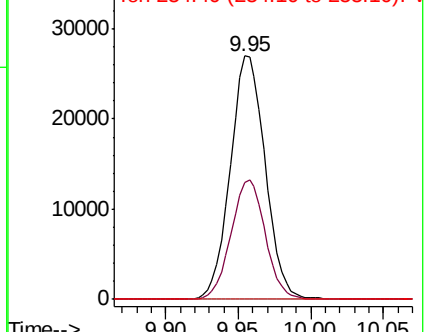
254 0.0 0.0 0.0



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: VU028518.D

Acq: 06 Dec 2018 22:00

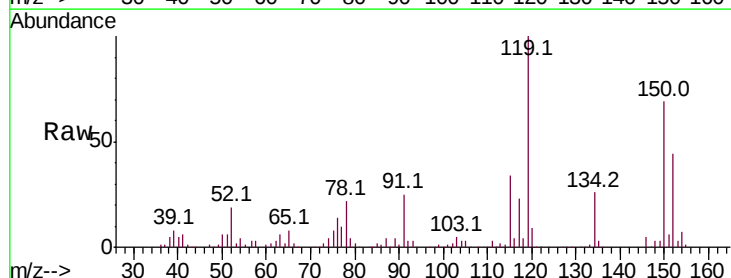
Tgt Ion:152 Resp: 77365

Ion Ratio Lower Upper

152 100

115 84.6 42.7 128.1

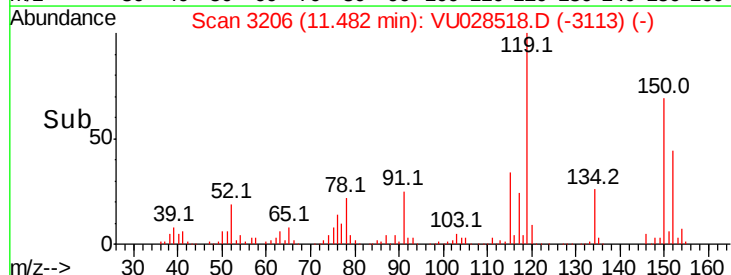
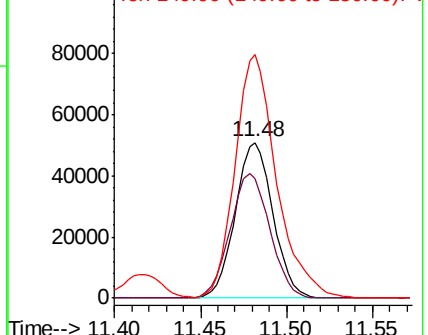
150 172.5 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.770 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

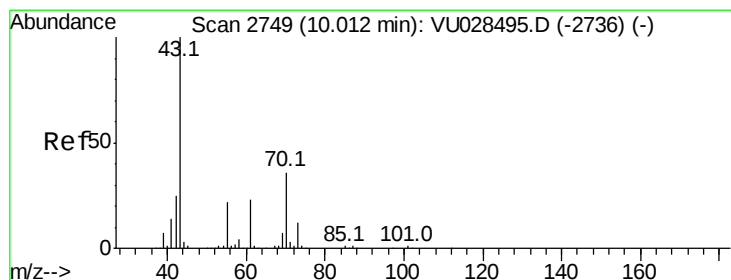
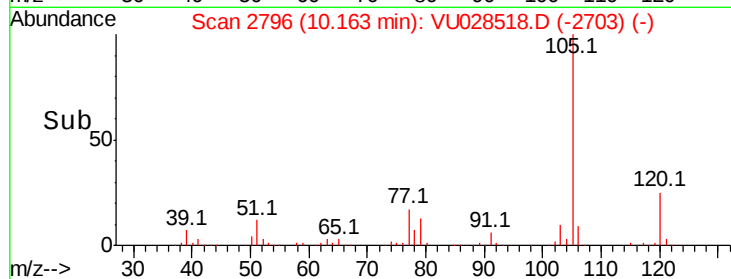
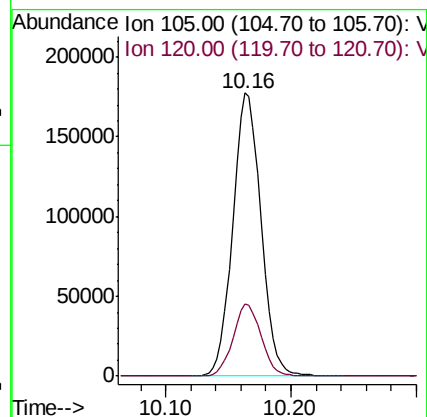
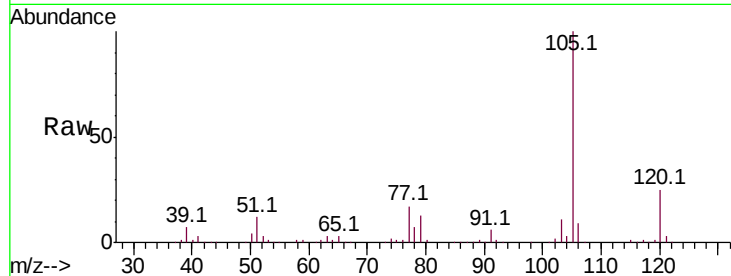
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:105 Resp: 277649

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.6



#74

N-ethyl acetate

Concen: 46.873 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion: 43 Resp: 160508

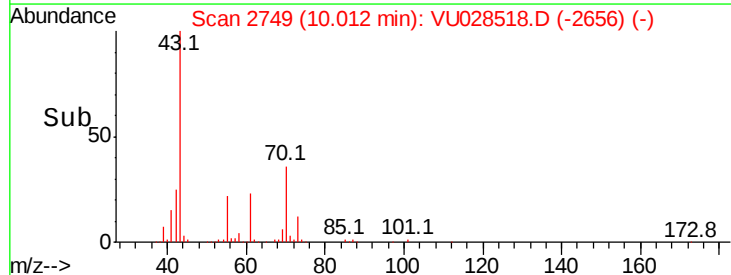
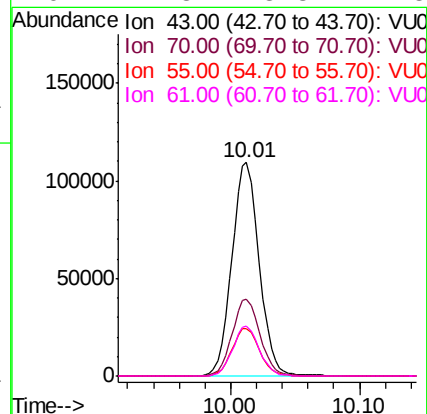
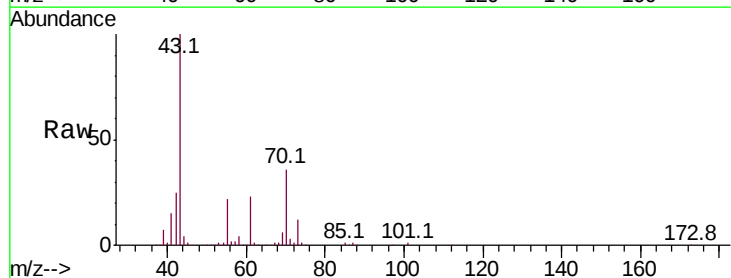
Ion Ratio Lower Upper

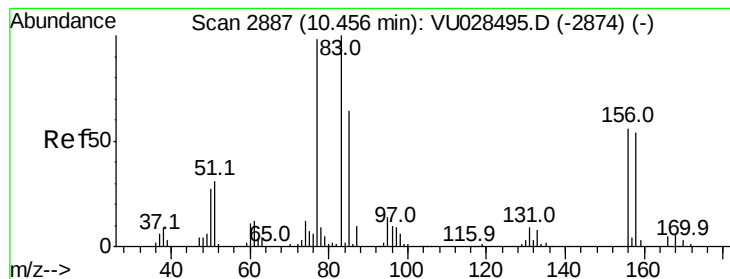
43 100

70 36.7 29.3 43.9

55 22.5 18.0 27.0

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.499 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

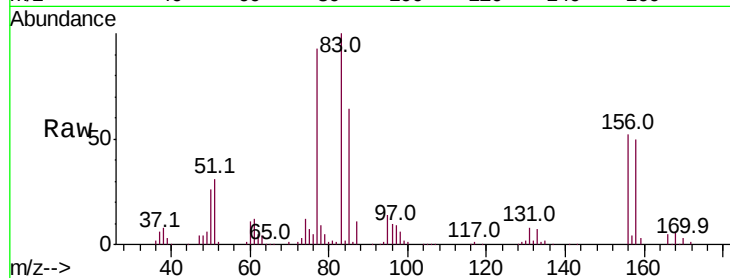
Tot Ion: 83 Resp: 110601

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

85 64.4 31.8 95.4

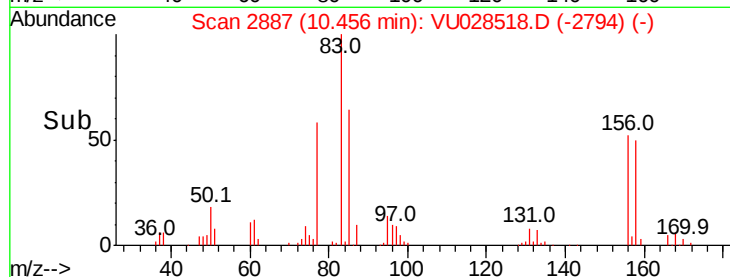


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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

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

Time-->

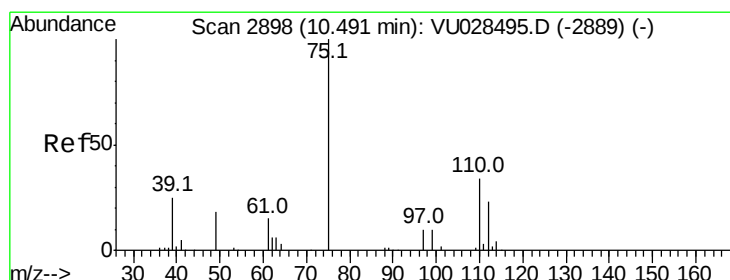


Abundance Ion 82.90 (82.60 to 83.60): VU028518.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028518.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028518.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.964 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028518.D

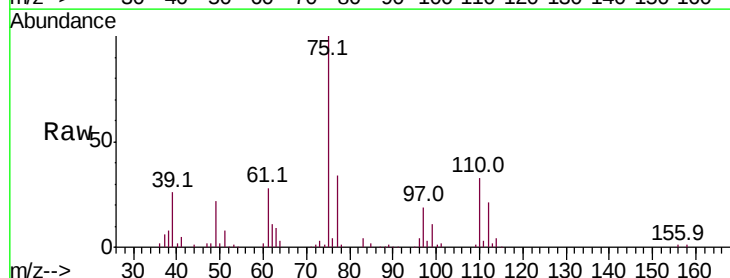
Acq: 06 Dec 2018 22:00

Tgt Ion: 75 Resp: 134265

Ion Ratio Lower Upper

75 100

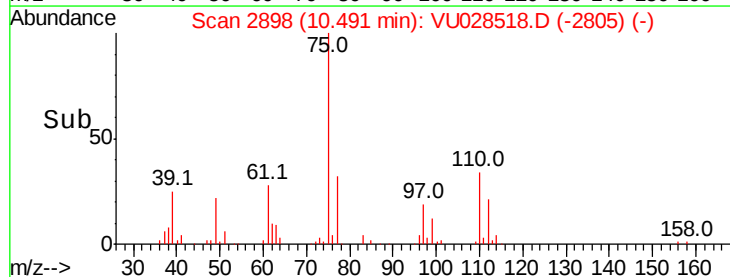
77 29.9 20.8 62.4



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

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

Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028518.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028518.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 47.341 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

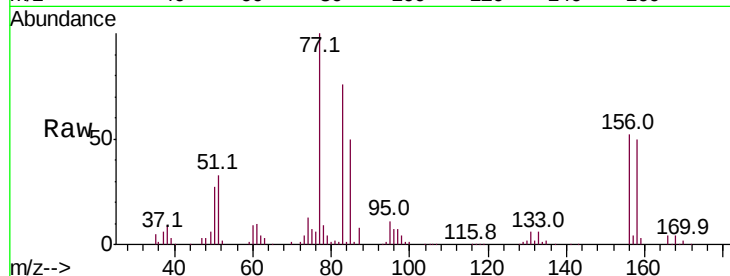
Tot Ion:156 Resp: 65728

Ion Ratio Lower Upper

156 100

77 187.0 92.4 277.2

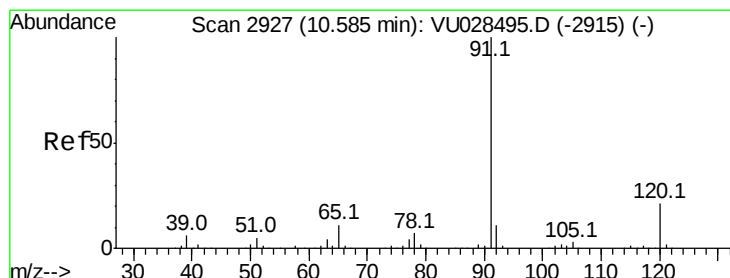
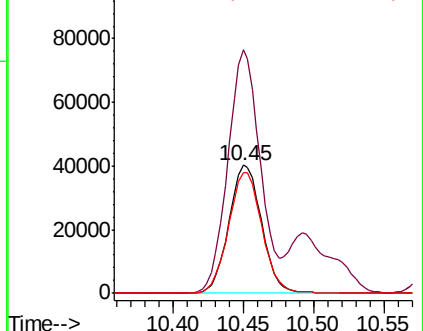
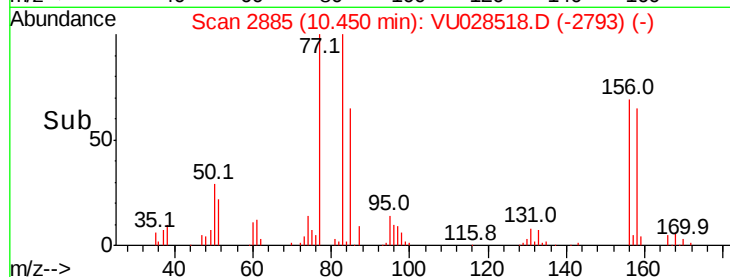
158 96.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.484 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028518.D

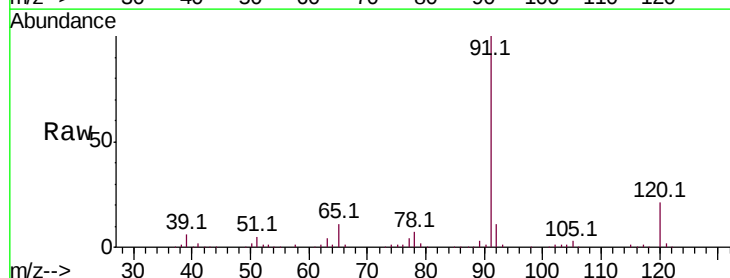
Acq: 06 Dec 2018 22:00

Tgt Ion: 91 Resp: 350271

Ion Ratio Lower Upper

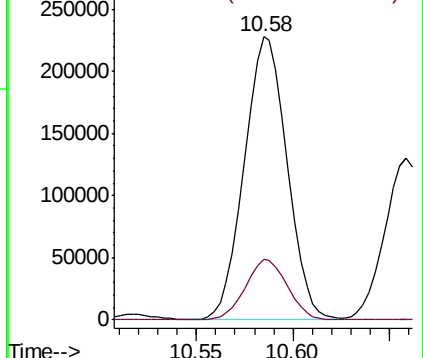
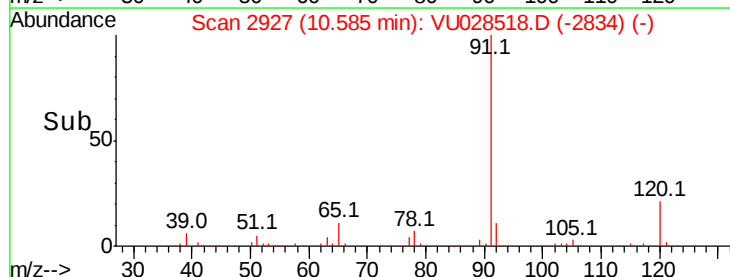
91 100

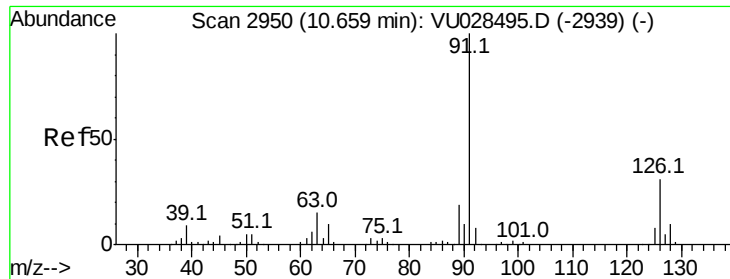
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

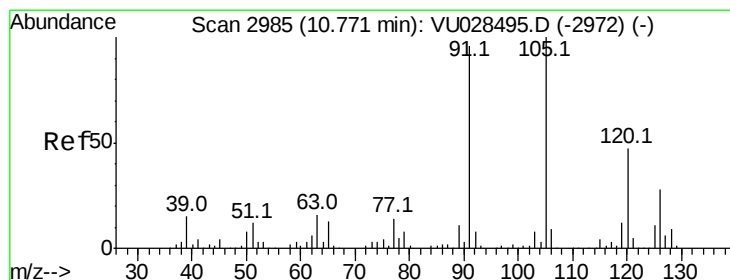
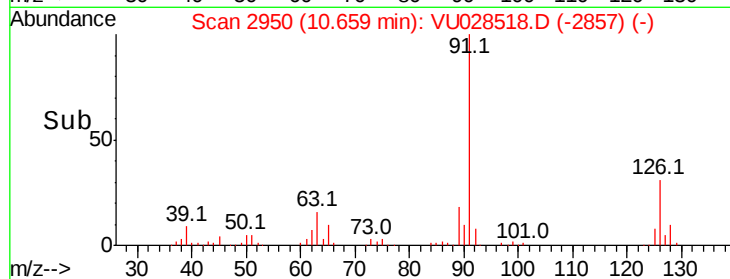
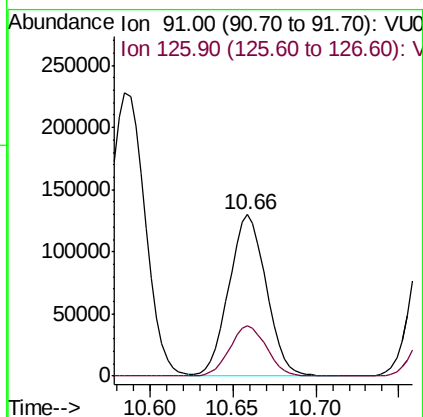
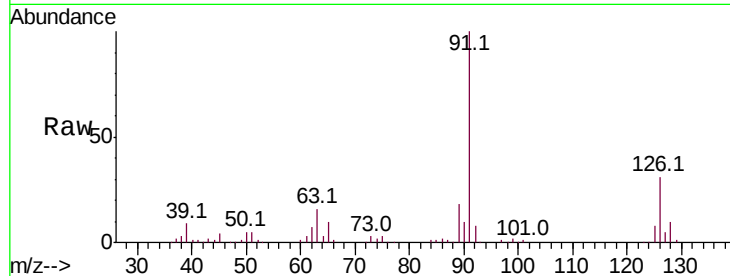




#79
 2-Chlorotoluene
 Concen: 47.615 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

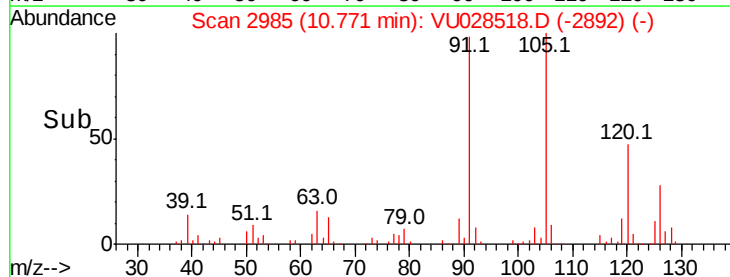
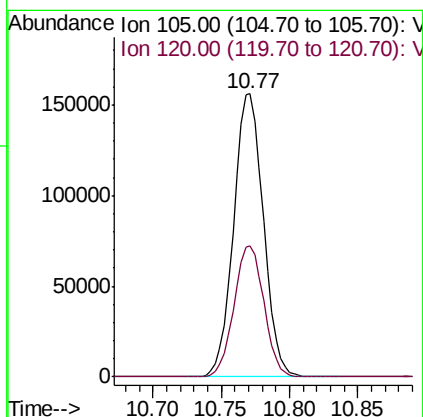
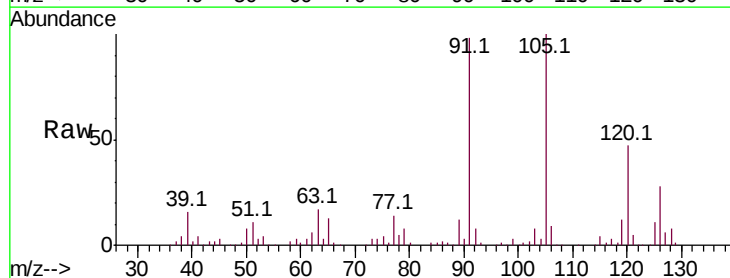
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

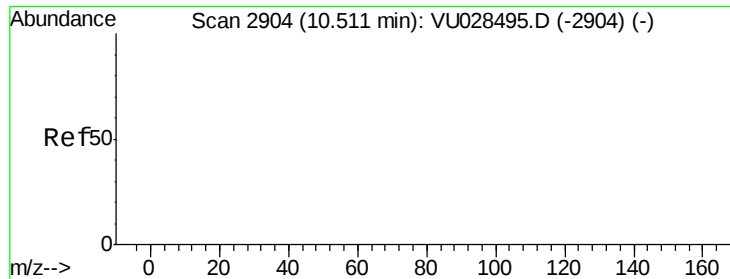
Tot Ion: 91 Resp: 202322
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.038 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 105 Resp: 236060
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1

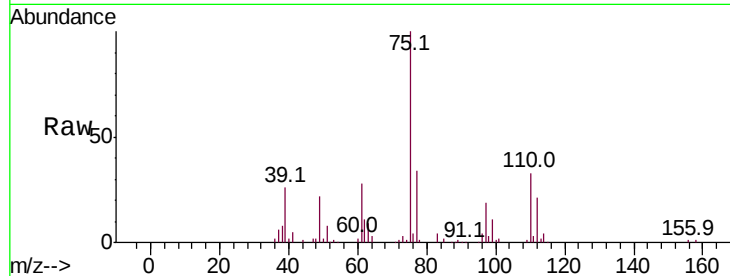




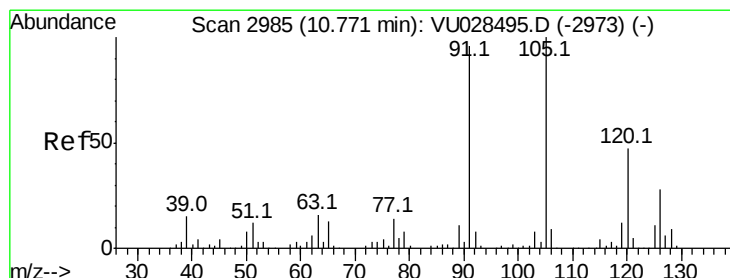
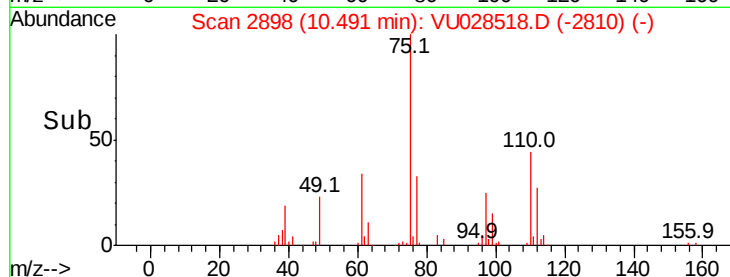
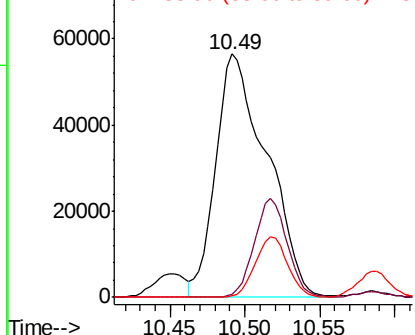
#81
trans-1,4-Dichloro-2-butene
Concen: 165.875 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 134265
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

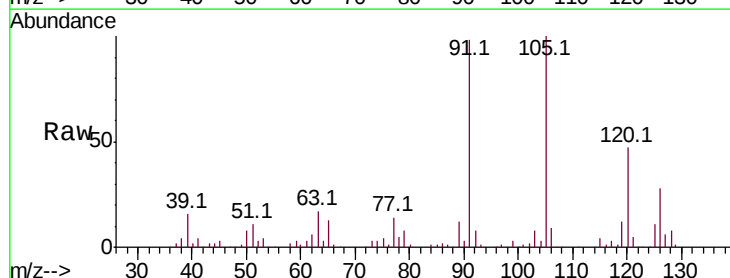


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

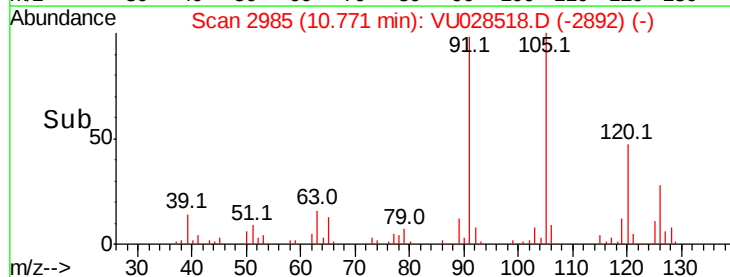
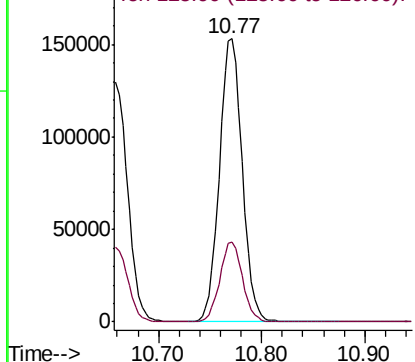


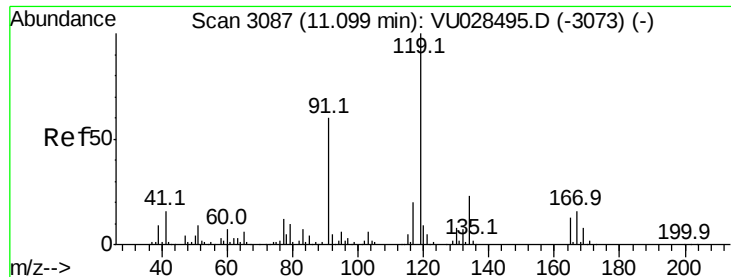
#82
4-Chlorotoluene
Concen: 46.769 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 91 Resp: 235496
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: 47.564 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

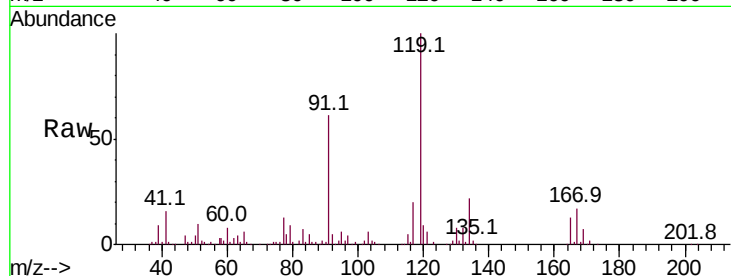
Tot Ion:119 Resp: 225287

Ion Ratio Lower Upper

119 100

91 60.4 30.3 91.0

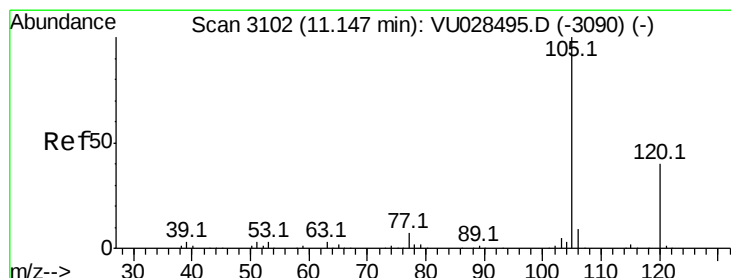
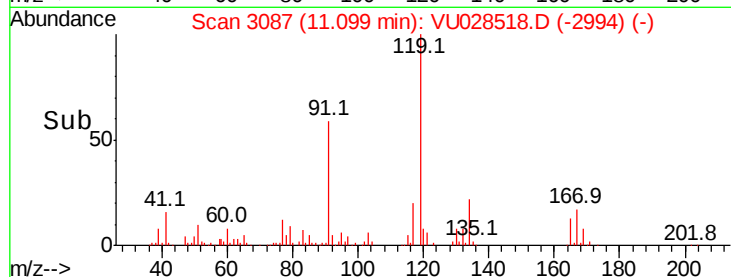
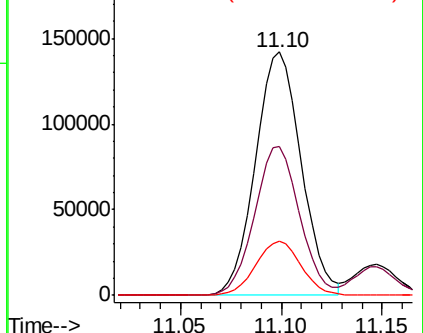
134 22.0 11.2 33.5



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: 47.191 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028518.D

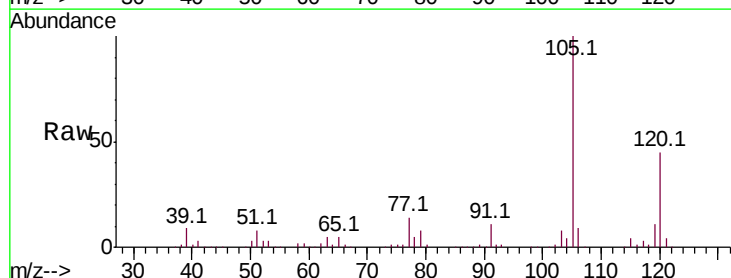
Acq: 06 Dec 2018 22:00

Tgt Ion:105 Resp: 238992

Ion Ratio Lower Upper

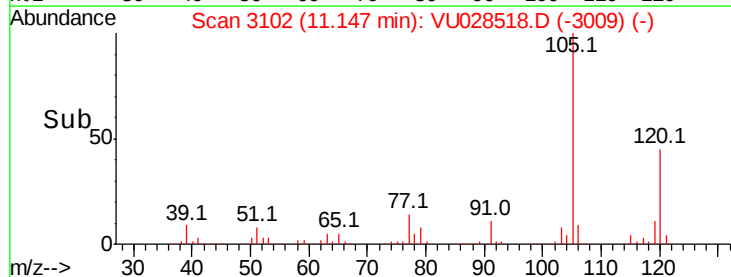
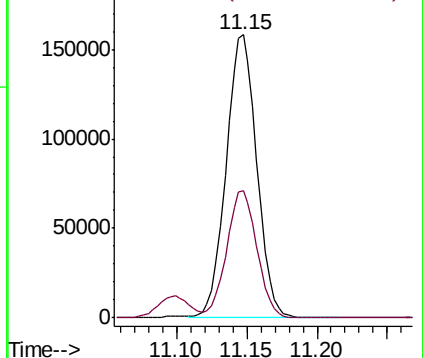
105 100

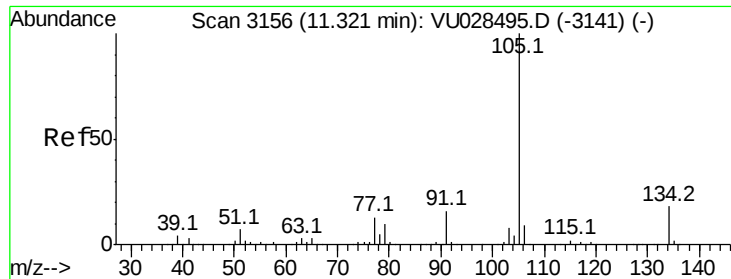
120 44.7 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.368 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

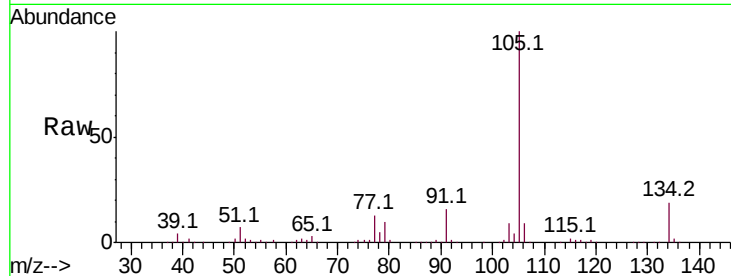
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:105 Resp: 288227

Ion Ratio Lower Upper

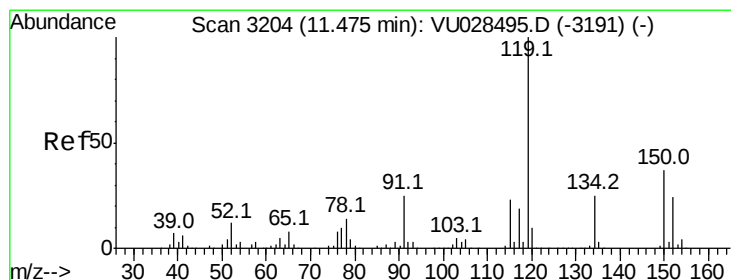
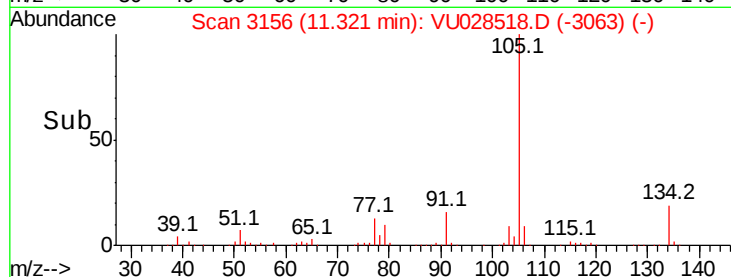
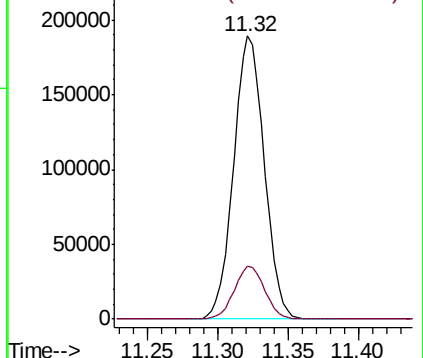
105 100

134 18.6 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.306 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

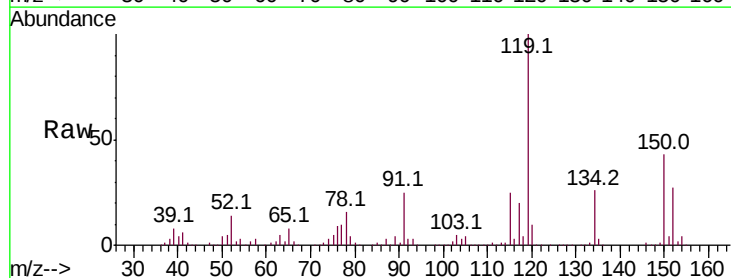
Tgt Ion:119 Resp: 239349

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

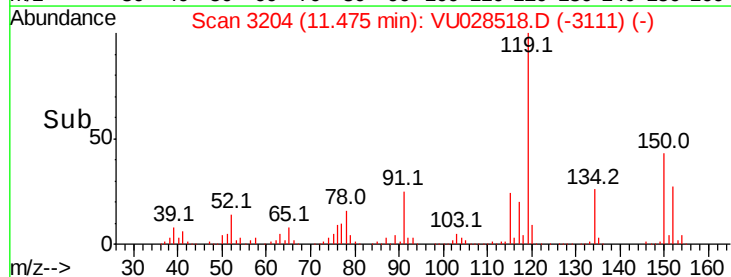
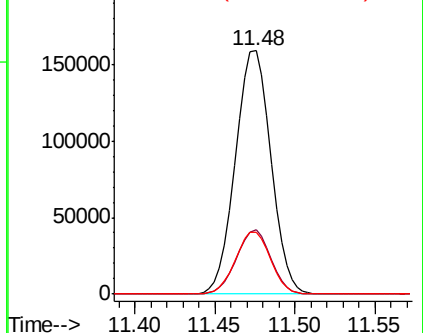
91 25.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

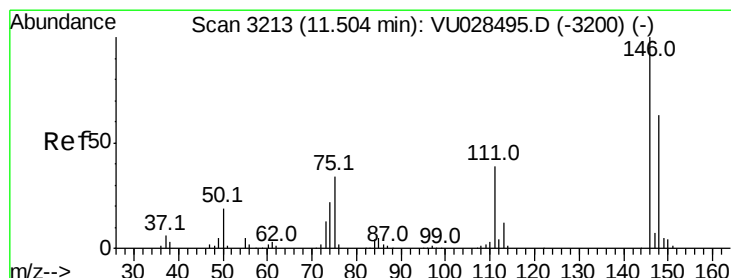
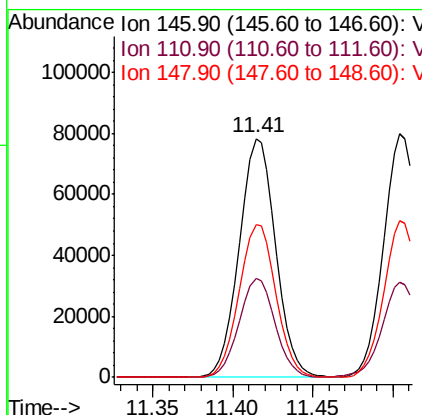
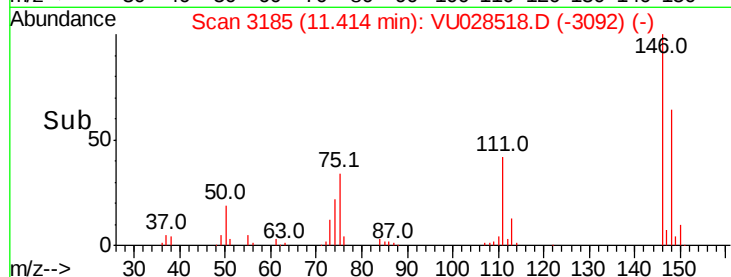
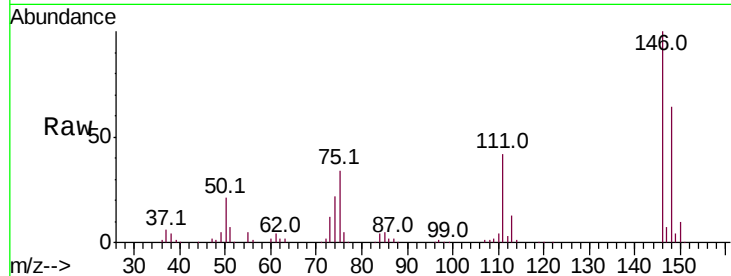




#87
 1,3-Dichlorobenzene
 Concen: 46.210 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

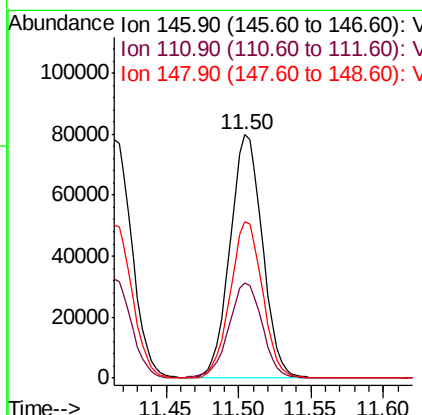
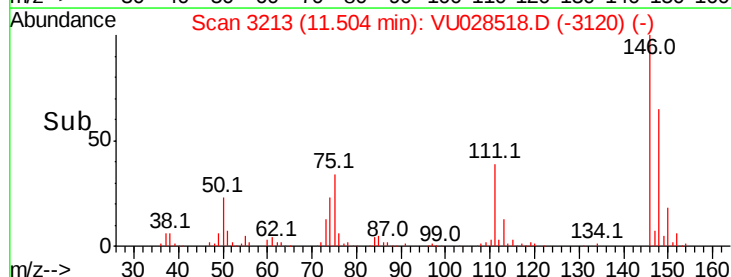
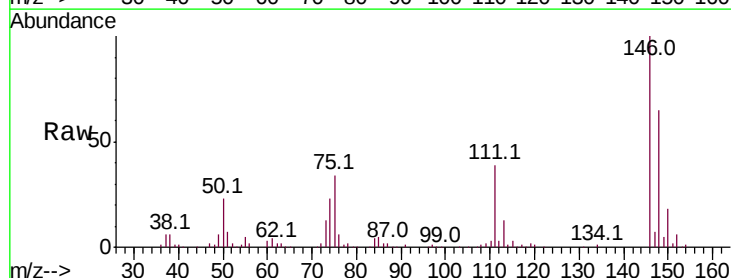
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

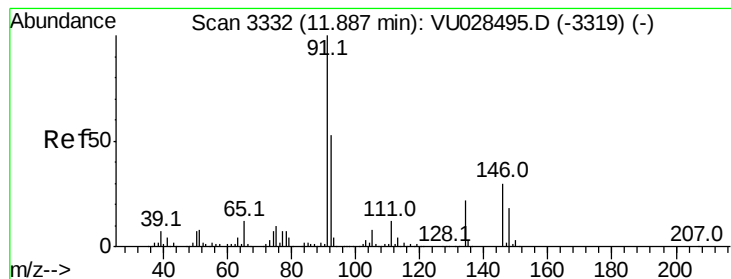
Tot Ion:146 Resp: 121146
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 64.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 45.659 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion:146 Resp: 123845
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.5
 148 64.0 31.6 95.0





#89

n-Butylbenzene

Concen: 47.026 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument:

MSVOA_U

ClientSampleId:

CPA-CPMW04S-M16W4-11-28-18M

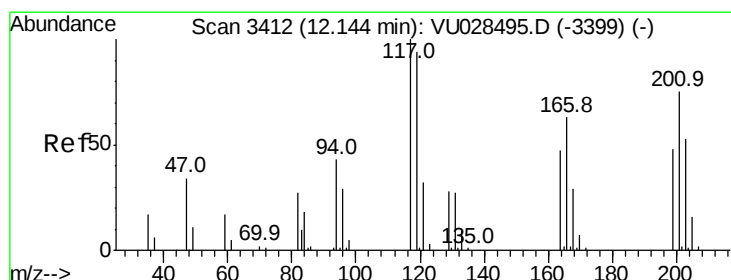
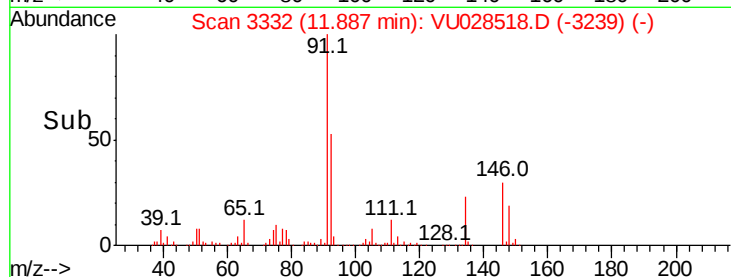
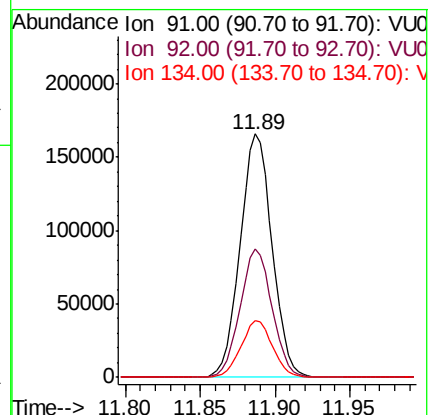
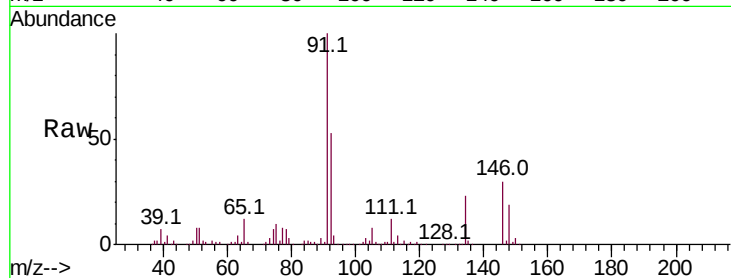
Tot Ion: 91 Resp: 245997

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	23.0	11.3	33.8

91 100

92 52.8 26.3 78.9

134 23.0 11.3 33.8



#90

Hexachloroethane

Concen: 47.792 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028518.D

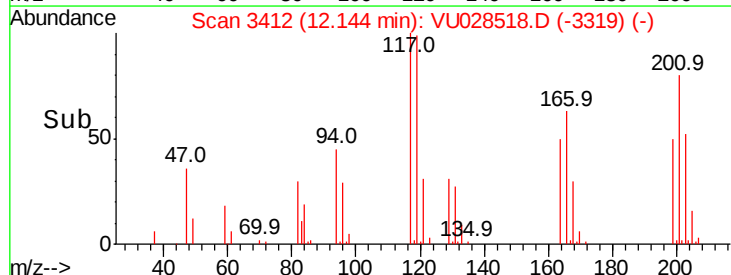
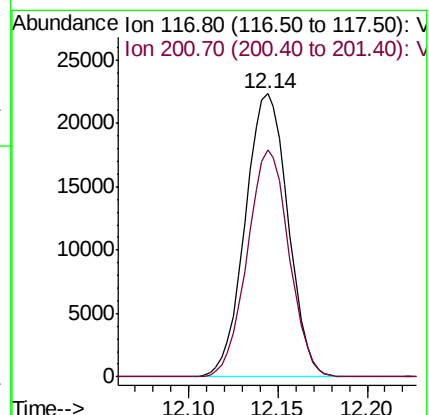
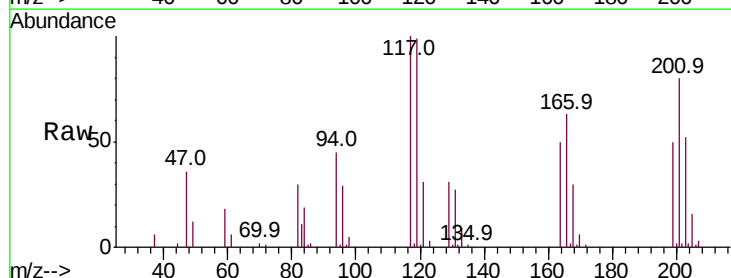
Acq: 06 Dec 2018 22:00

Tgt Ion: 117 Resp: 37338

Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.1	114.5

117 100

201 78.2 38.1 114.5

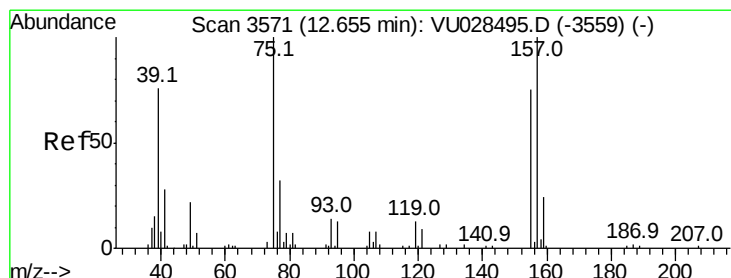
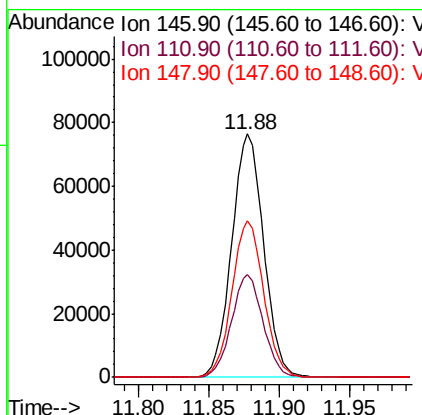
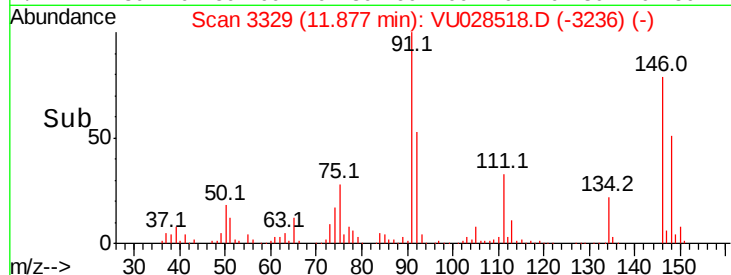
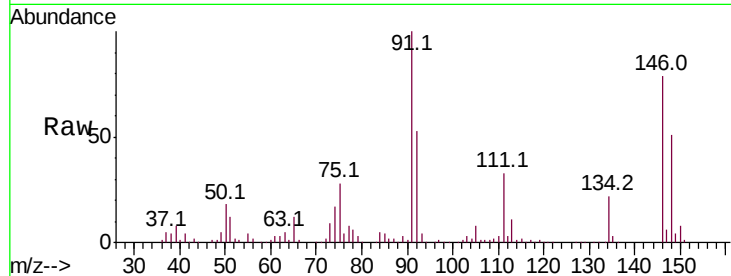




#91
 1,2-Dichlorobenzene
 Concen: 46.296 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

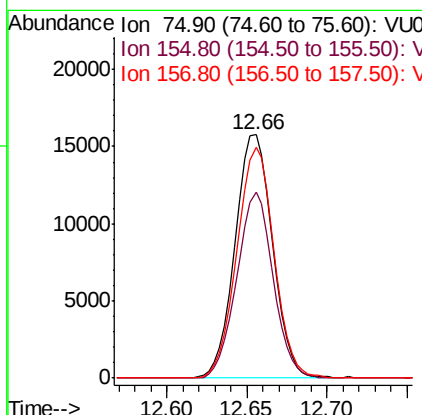
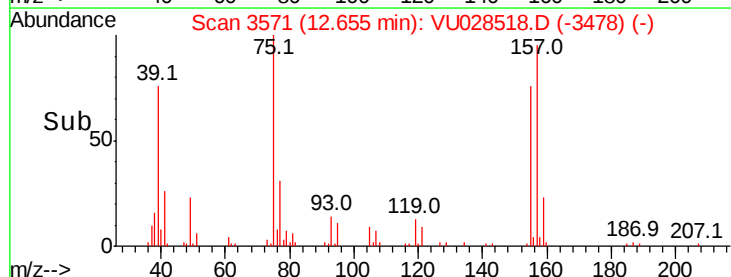
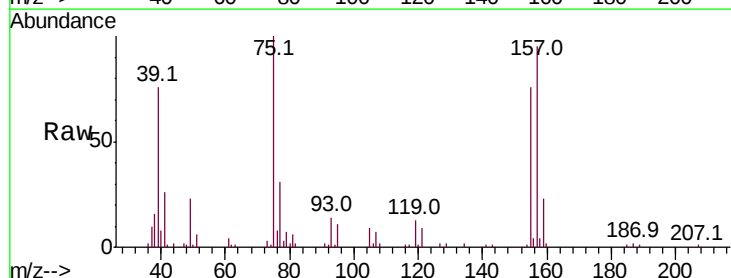
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

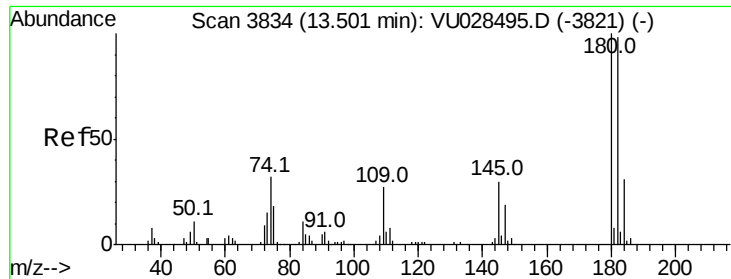
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.4
148	63.8	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.837 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	38.1	114.5
157	93.7	48.7	146.1

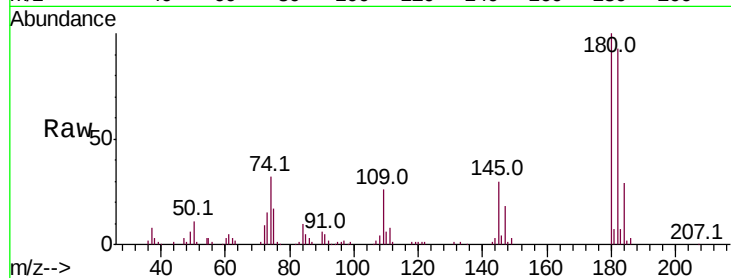




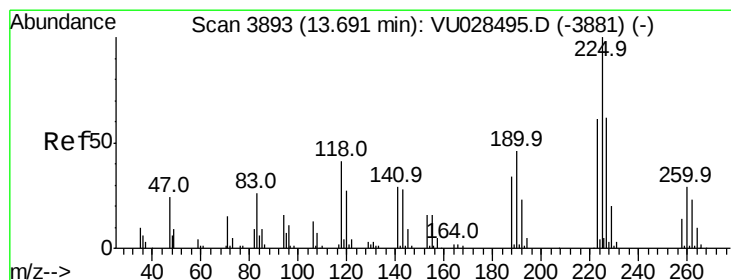
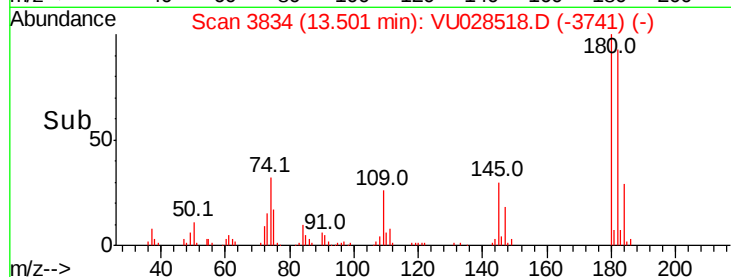
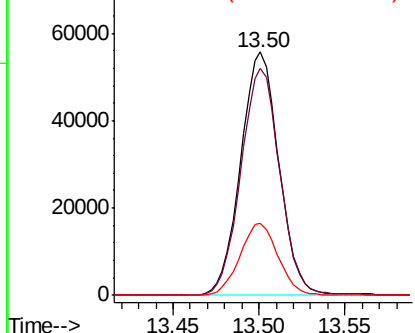
#93
1,2,4-Trichlorobenzene
Concen: 47.636 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:180 Resp: 85767
Ion Ratio Lower Upper
180 100
182 95.4 47.9 143.8
145 29.8 15.0 45.1

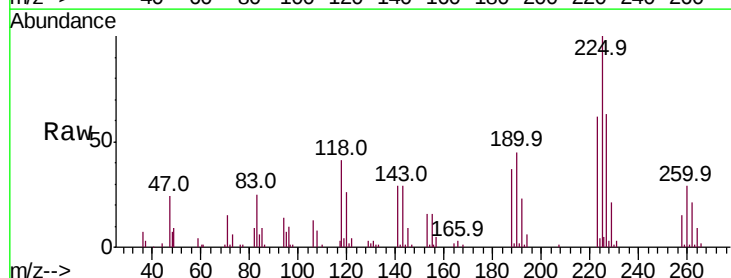


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

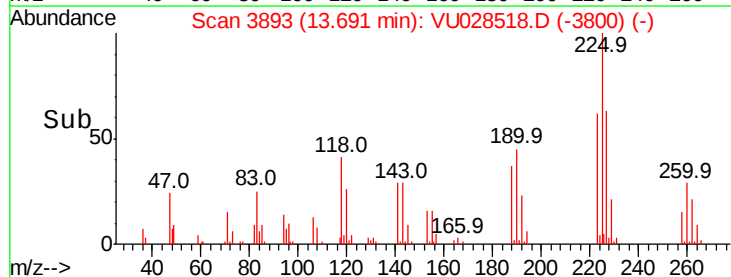
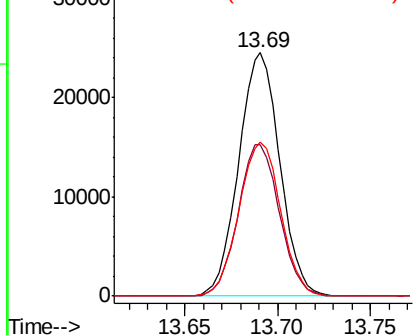


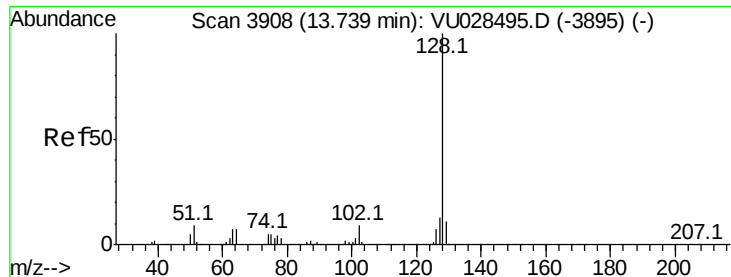
#94
Hexachlorobutadiene
Concen: 44.059 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:225 Resp: 37847
Ion Ratio Lower Upper
225 100
223 62.4 30.4 91.2
227 64.1 30.7 92.1



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

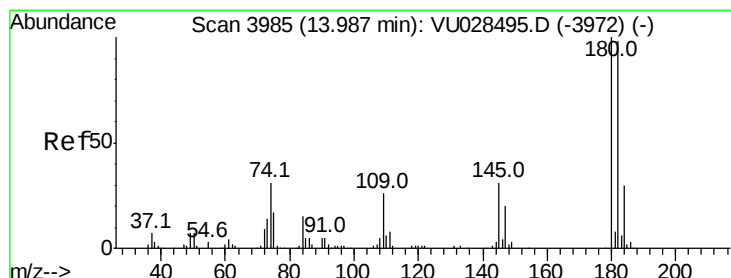
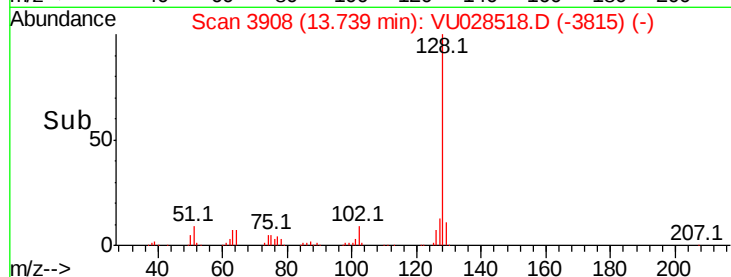
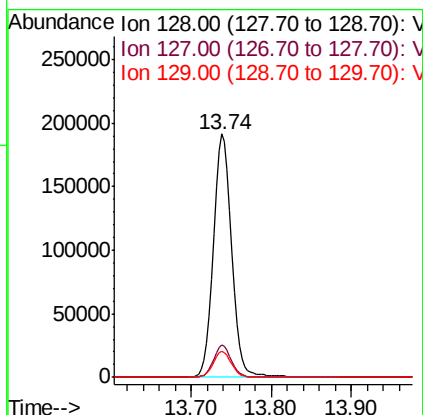
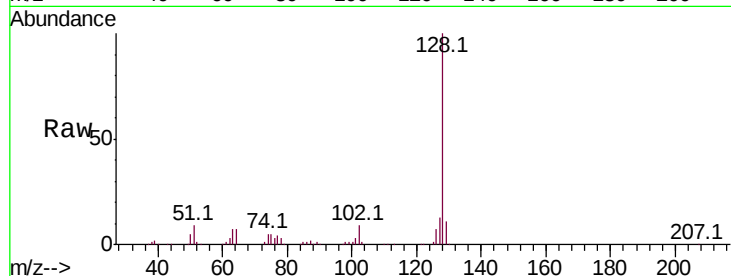




#95
Naphthalene
Concen: 48.492 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:128 Resp: 305148
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.438 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:180 Resp: 88662
Ion Ratio Lower Upper
180 100
182 94.4 48.2 144.6
145 30.9 15.8 47.3

