

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120518\
 Data File : VU028470.D
 Acq On : 05 Dec 2018 11:19
 Operator : MD/SY
 Sample : VU1205WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

Quant Time: Dec 06 01:30:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	338858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	580033	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	545060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	267381	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	290033	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	4.88	113	222075	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
50) Toluene-d8	7.56	98	871080	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
62) 4-Bromofluorobenzene	10.30	95	325674	58.58	ug/l	0.00
Spiked Amount			Recovery	=	117.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	95601	21.031	ug/l	97
3) Chloromethane	1.33	50	165658	18.801	ug/l	99
4) Vinyl Chloride	1.40	62	130212	21.122	ug/l	98
5) Bromomethane	1.62	94	56687	23.775	ug/l	94
6) Chloroethane	1.70	64	76471	21.557	ug/l	94
7) Trichlorofluoromethane	1.89	101	143279	22.375	ug/l	98
8) Diethyl Ether	2.10	74	67088	22.537	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	90345	24.219	ug/l	95
10) Methyl Iodide	2.41	142	61698	17.539	ug/l	95
11) Tert butyl alcohol	2.82	59	143991	111.919	ug/l	98
12) 1,1-Dichloroethene	2.29	96	86900	24.005	ug/l	87
13) Acrolein	2.20	56	112615	98.458	ug/l	99
14) Allyl chloride	2.59	41	176860	18.699	ug/l	98
15) Acrylonitrile	2.94	53	346919	101.938	ug/l	98
16) Acetone	2.32	43	350712	101.236	ug/l	97
17) Carbon Disulfide	2.48	76	280261	20.170	ug/l	99
18) Methyl Acetate	2.61	43	195118	20.229	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	322136	21.705	ug/l	99
20) Methylene Chloride	2.70	84	105059	21.459	ug/l	88
21) trans-1,2-Dichloroethene	2.98	96	94915	22.608	ug/l	95
22) Diisopropyl ether	3.57	45	367349	19.728	ug/l	# 94
23) Vinyl Acetate	3.52	43	1490352	96.289	ug/l	97
24) 1,1-Dichloroethane	3.45	63	191048	20.810	ug/l	98
25) 2-Butanone	4.26	43	489769	98.647	ug/l	96
26) 2,2-Dichloropropane	4.22	77	157470	21.597	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	108261	21.804	ug/l	92
28) Bromochloromethane	4.55	49	94824	20.656	ug/l	87
29) Tetrahydrofuran	4.64	42	312645	96.988	ug/l	92
30) Chloroform	4.67	83	179565	21.190	ug/l	99
31) Cyclohexane	5.00	56	190515	19.983	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	144077	21.188	ug/l	98
36) 1,1-Dichloropropene	5.13	75	137094	21.599	ug/l	97
37) Ethyl Acetate	4.38	43	172477	19.940	ug/l	96
38) Carbon Tetrachloride	5.13	117	112901	21.661	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	169680	22.674	ug/l	95
40) Benzene	5.39	78	418159	22.244	ug/l	100
41) Methacrylonitrile	4.54	41	98613	20.529	ug/l	94
42) 1,2-Dichloroethane	5.40	62	141953	20.961	ug/l	97
43) Isopropyl Acetate	5.55	43	279229	20.371	ug/l	96
44) Trichloroethene	6.19	130	97814	24.274	ug/l	93
45) 1,2-Dichloropropane	6.43	63	117742	21.388	ug/l	99
46) Dibromomethane	6.56	93	70803	22.391	ug/l	94
47) Bromodichloromethane	6.76	83	133768	21.268	ug/l	99
48) Methyl methacrylate	6.62	41	138179	19.353	ug/l	95
49) 1,4-Dioxane	6.61	88	59208	519.083	ug/l	87
51) 4-Methyl-2-Pentanone	7.46	43	873622	99.792	ug/l	95
52) Toluene	7.64	92	251869	23.267	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	162996	21.672	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	174517	21.659	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	101491	22.527	ug/l	97
56) Ethyl methacrylate	8.02	69	167915	21.908	ug/l	95
57) 1,3-Dichloropropane	8.24	76	179287	21.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	427732	103.944	ug/l	96
59) 2-Hexanone	8.36	43	677243	99.871	ug/l	94
60) Dibromochloromethane	8.48	129	96403	22.498	ug/l	99
61) 1,2-Dibromoethane	8.58	107	108251	23.460	ug/l	97
64) Tetrachloroethene	8.23	164	82900	23.122	ug/l	97
65) Chlorobenzene	9.12	112	258727	22.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	86541	22.308	ug/l	97
67) Ethyl Benzene	9.25	91	477687	22.410	ug/l	96
68) m/p-Xylenes	9.37	106	357912	46.649	ug/l	95
69) o-Xylene	9.78	106	174112	22.828	ug/l	98
70) Styrene	9.79	104	281476	22.883	ug/l	98
71) Bromoform	9.96	173	71732	21.998	ug/l #	100
73) Isopropylbenzene	10.16	105	463145	22.271	ug/l	100
74) N-amyl acetate	10.01	43	240485	18.457	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	169338	19.802	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	209083	28.198	ug/l	79
77) Bromobenzene	10.45	156	110092	22.467	ug/l	91
78) n-propylbenzene	10.58	91	556259	21.683	ug/l	98
79) 2-Chlorotoluene	10.66	91	330218	21.835	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	380609	21.719	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	209083	74.853	ug/l #	100
82) 4-Chlorotoluene	10.77	91	376409	21.603	ug/l	98
83) tert-Butylbenzene	11.10	119	367749	22.511	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	391428	22.052	ug/l	98
85) sec-Butylbenzene	11.32	105	467035	22.011	ug/l	100
86) p-Isopropyltoluene	11.48	119	393283	22.542	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	199990	22.377	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	197978	22.011	ug/l	97
89) n-Butylbenzene	11.89	91	384398	22.324	ug/l	99
90) Hexachloroethane	12.14	117	56148	20.614	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	199118	22.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	37224	19.569	ug/l	93

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

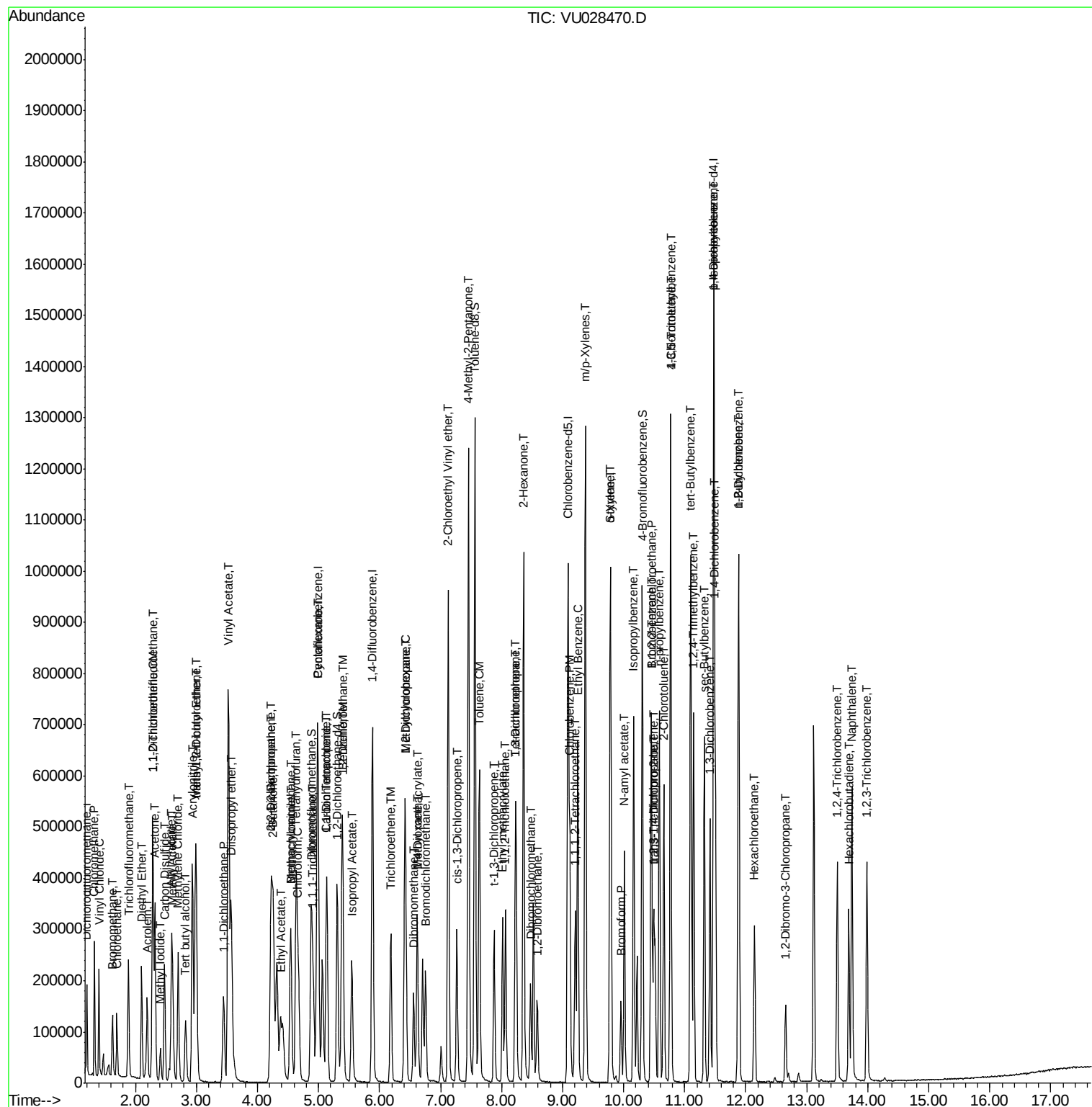
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	133852	22.933	ug/l	99
94) Hexachlorobutadiene	13.69	225	62356	22.625	ug/l	98
95) Naphthalene	13.74	128	462110	22.206	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	138653	23.489	ug/l	99

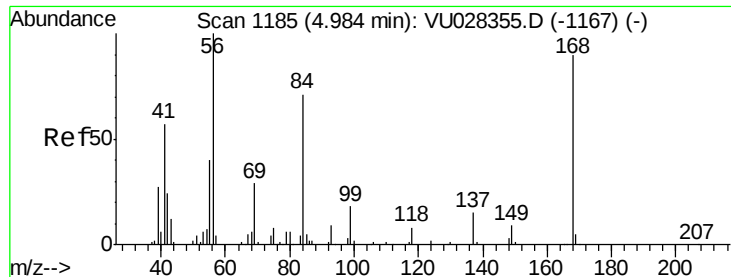
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

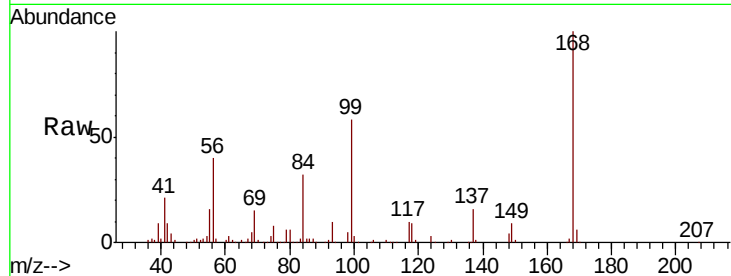
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion:168 Resp: 338858

Ion Ratio Lower Upper

168 100

99 57.4 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

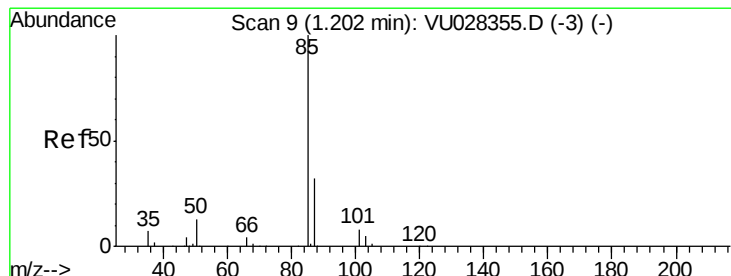
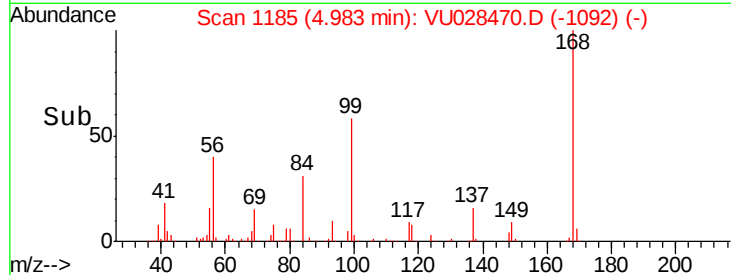
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.031 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028470.D

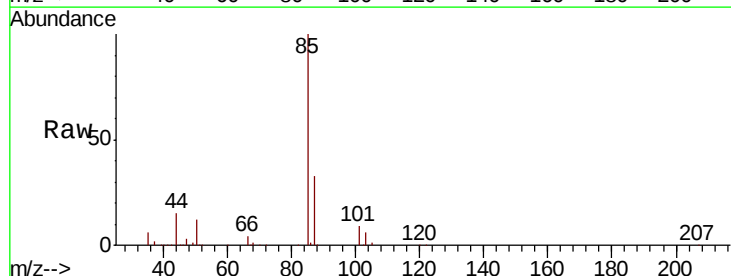
Acq: 05 Dec 2018 11:19

Tgt Ion: 85 Resp: 95601

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

100000

80000

60000

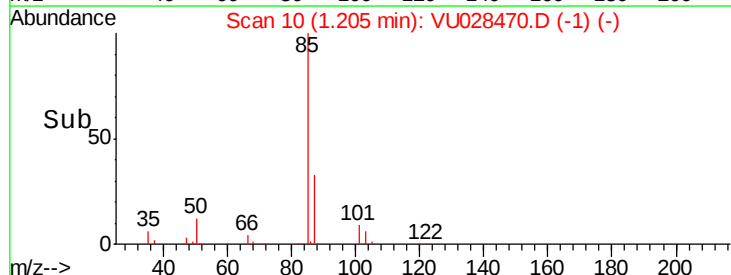
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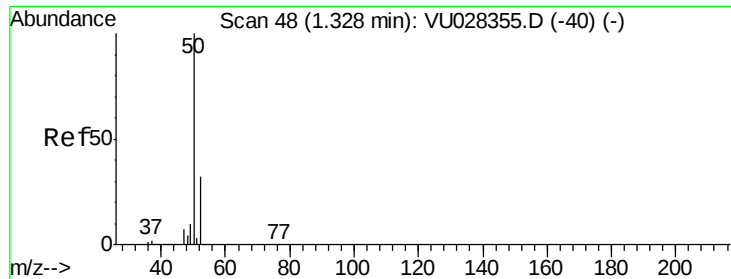
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.801 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

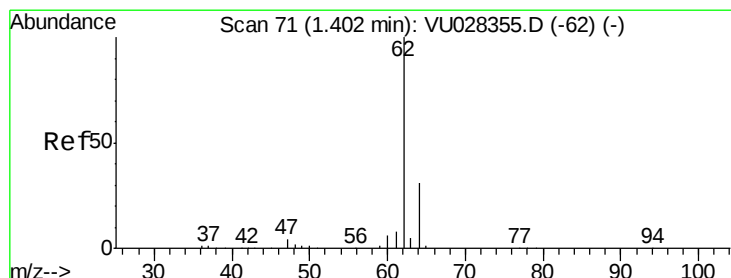
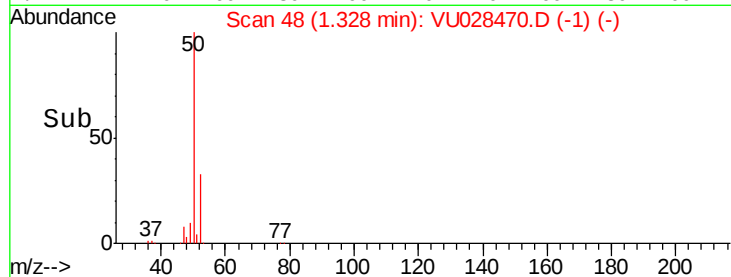
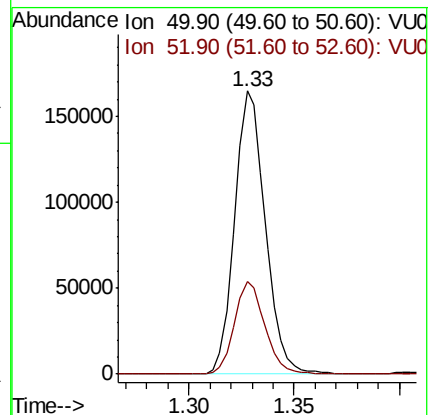
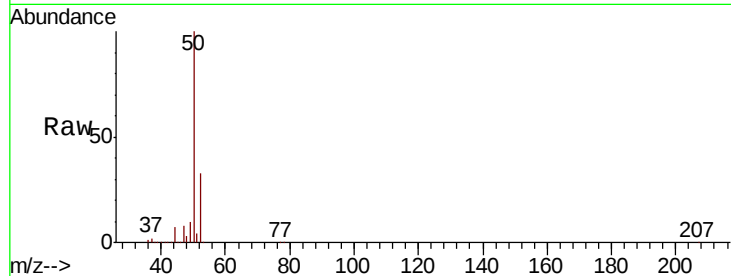
VU1205WBS01

Tot Ion: 50 Resp: 165658

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 21.122 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028470.D

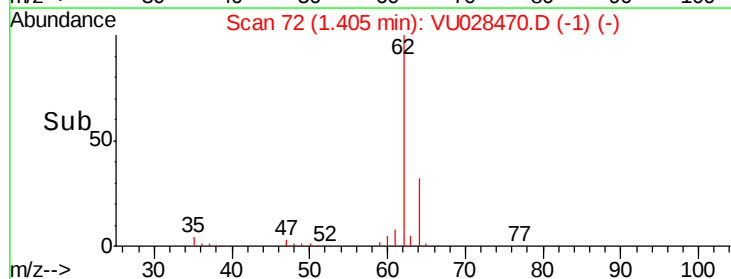
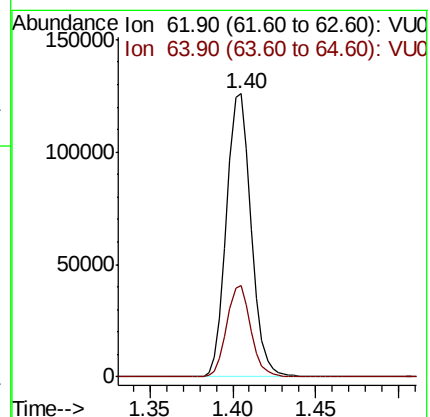
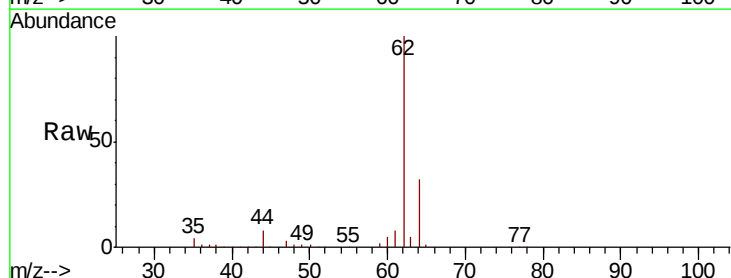
Acq: 05 Dec 2018 11:19

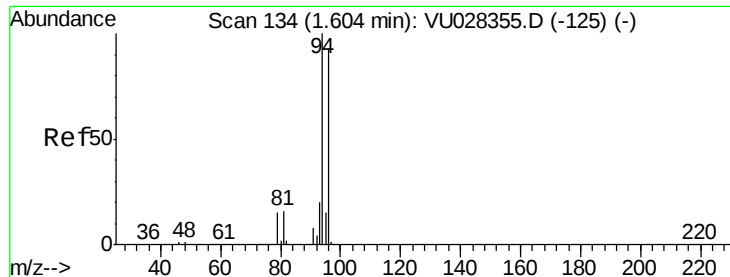
Tgt Ion: 62 Resp: 130212

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 23.775 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

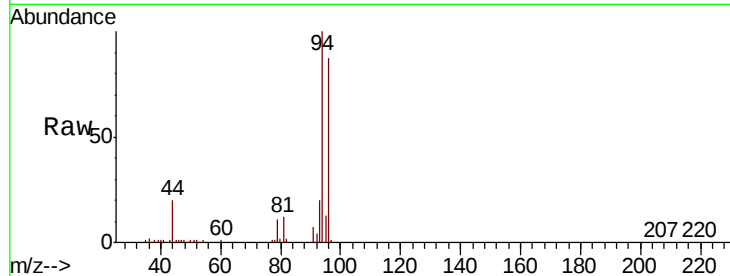
VU1205WBS01

Tot Ion: 94 Resp: 56687

Ion Ratio Lower Upper

94 100

96 87.3 74.6 112.0

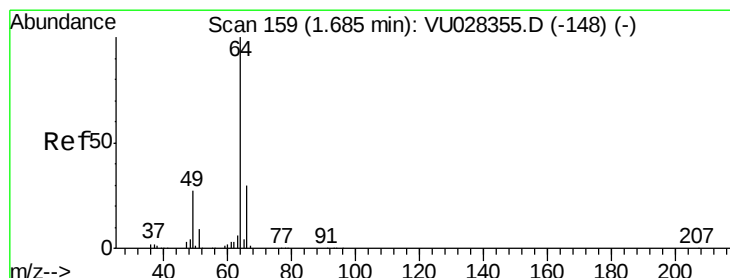
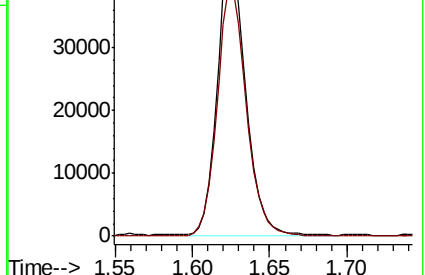
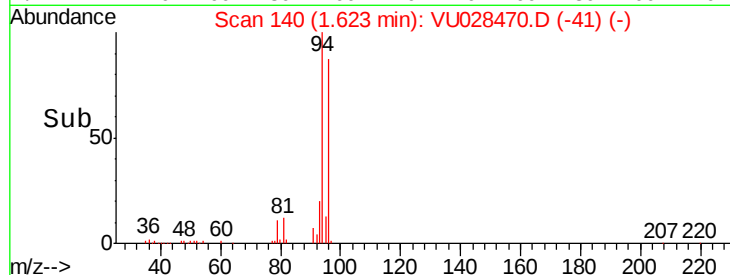


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

Time-->



#6

Chloroethane

Concen: 21.557 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU028470.D

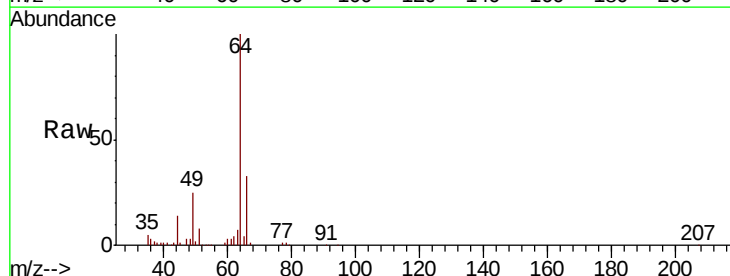
Acq: 05 Dec 2018 11:19

Tgt Ion: 64 Resp: 76471

Ion Ratio Lower Upper

64 100

66 32.6 23.6 35.4

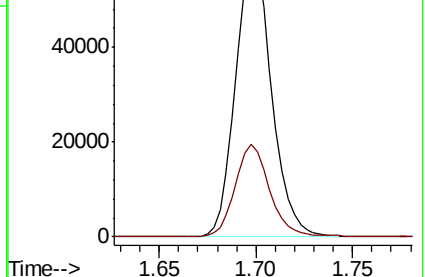
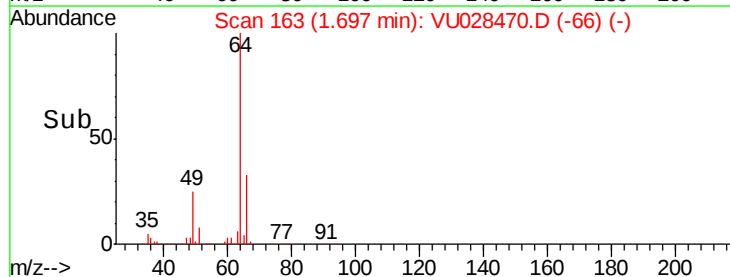


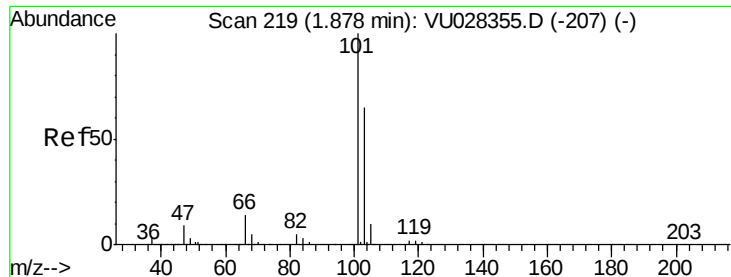
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

Time-->



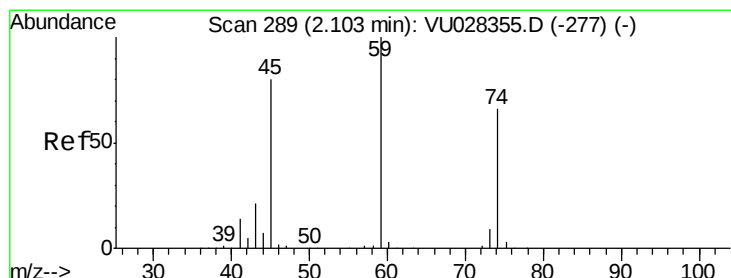
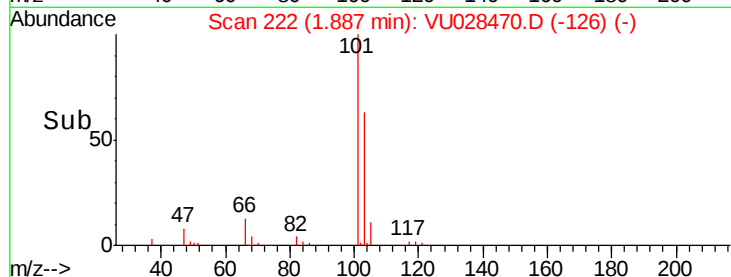
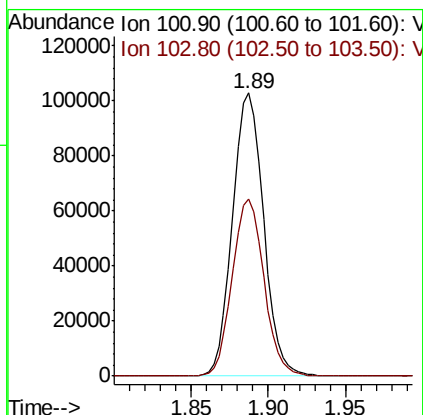
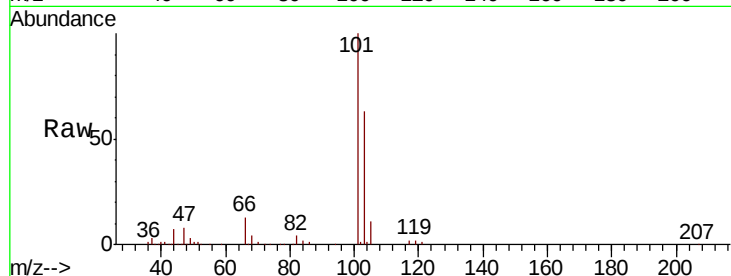


#7

Trichlorofluoromethane
 Concen: 22.375 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

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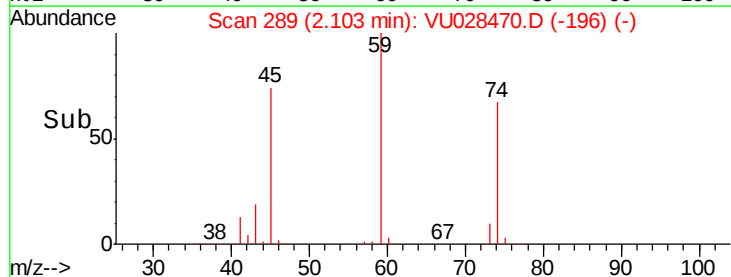
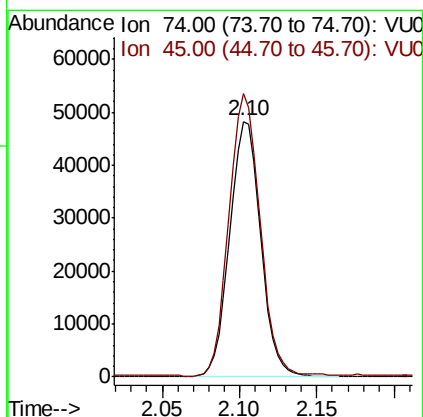
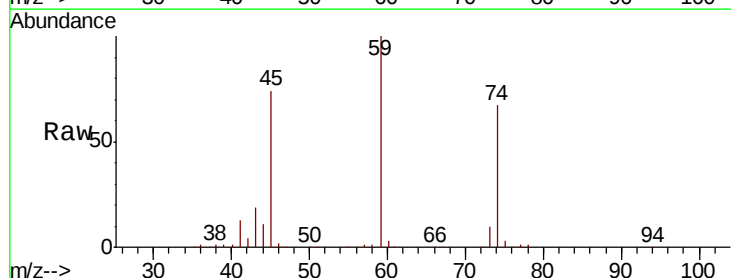
Tot Ion:101 Resp: 143279
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.6 77.4

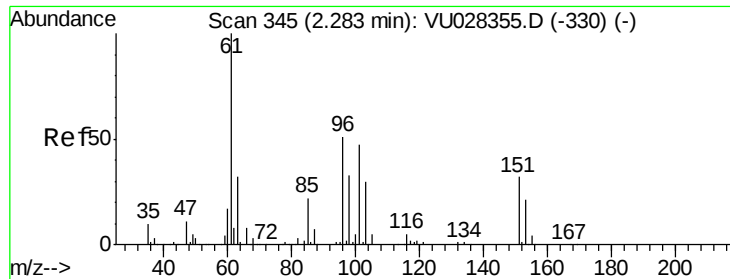


#8

Diethyl Ether
 Concen: 22.537 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 74 Resp: 67088
 Ion Ratio Lower Upper
 74 100
 45 111.1 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.219 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

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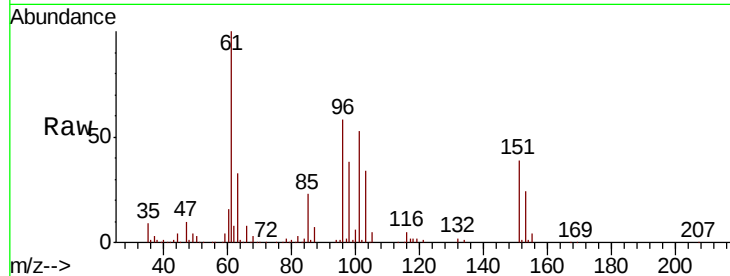
Tot Ion:101 Resp: 90345

Ion Ratio Lower Upper

101 100

85 44.3 37.2 55.8

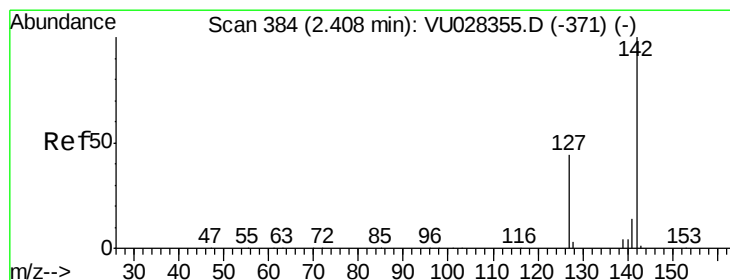
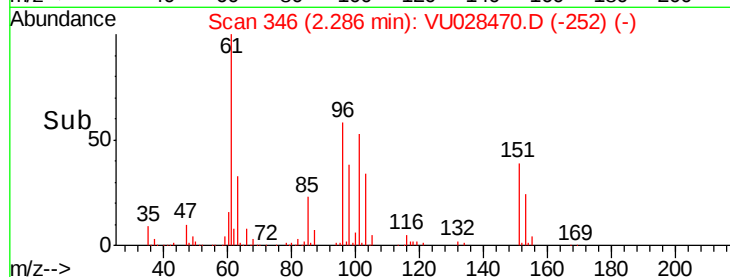
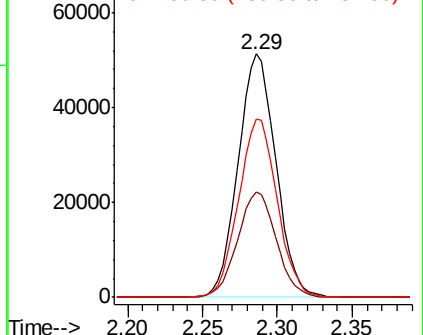
151 74.8 55.4 83.0



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: 17.539 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

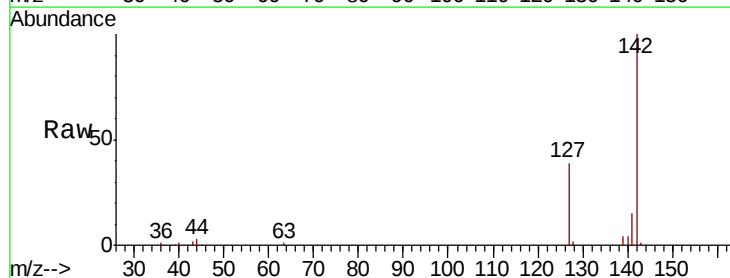
Tgt Ion:142 Resp: 61698

Ion Ratio Lower Upper

142 100

127 40.3 35.0 52.6

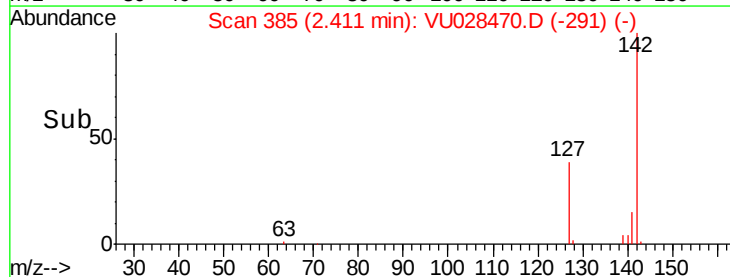
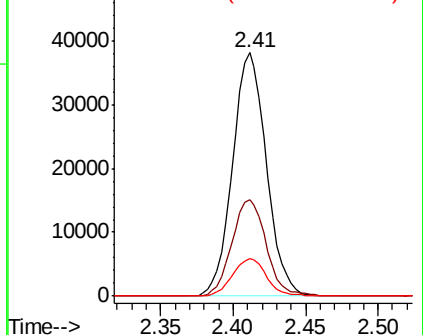
141 15.4 11.2 16.8

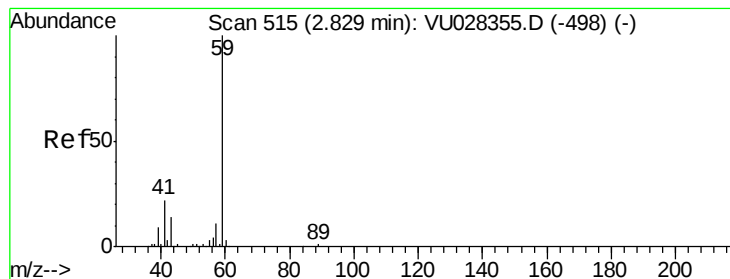


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



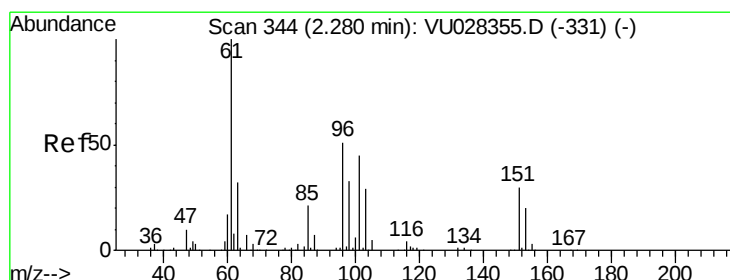
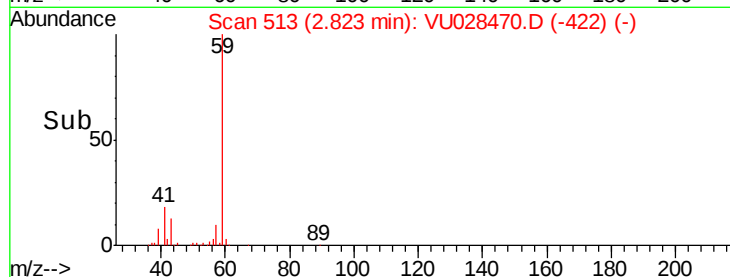
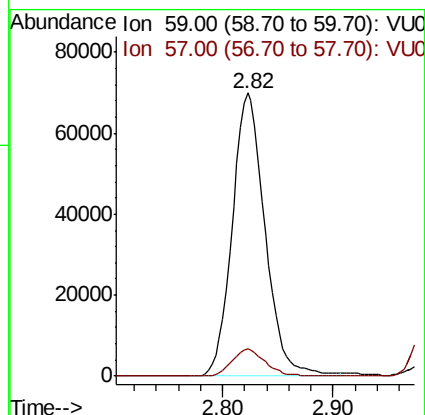
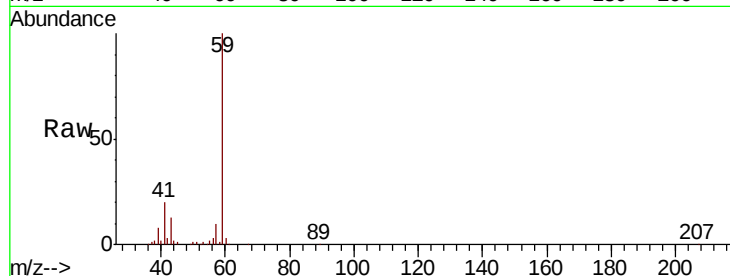


#11

Tert butyl alcohol
 Concen: 111.919 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

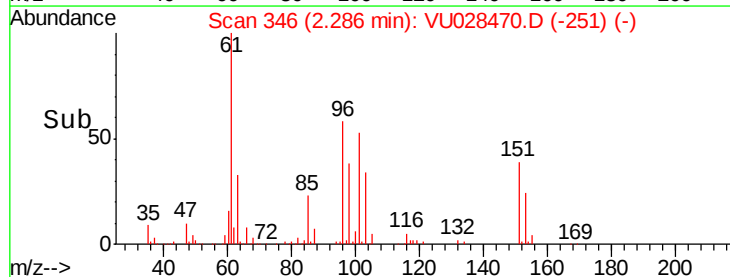
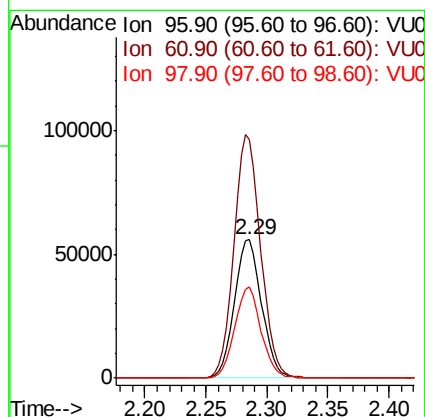
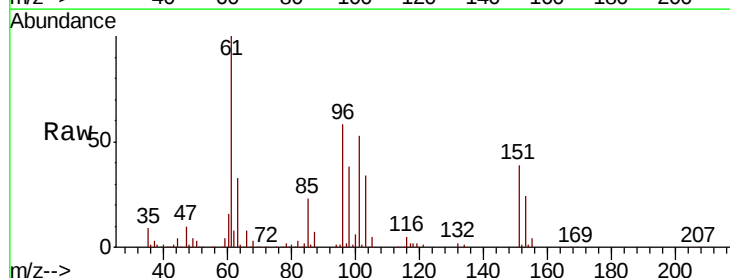
Tot Ion: 59 Resp: 143991
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.3 12.5

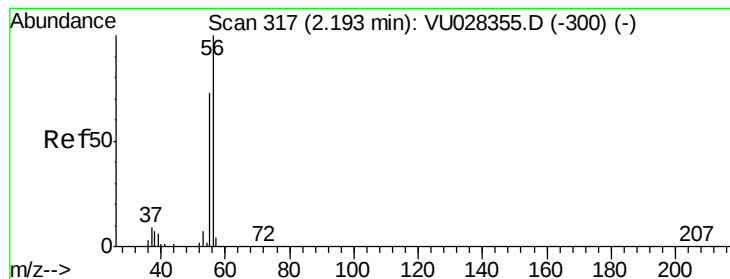


#12

1,1-Dichloroethene
 Concen: 24.005 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 96 Resp: 86900
 Ion Ratio Lower Upper
 96 100
 61 172.7 158.1 237.1
 98 65.9 51.4 77.2





#13

Acrolein

Concen: 98.458 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

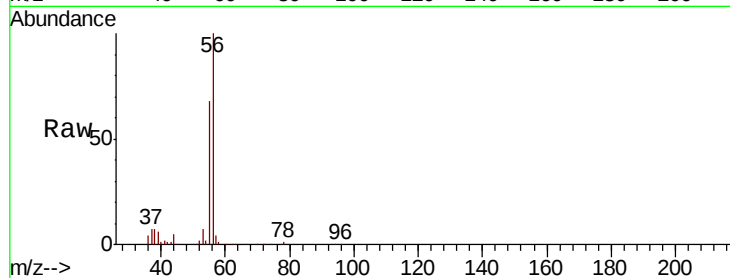
VU1205WBS01

Tot Ion: 56 Resp: 112615

Ion Ratio Lower Upper

56 100

55 69.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

80000

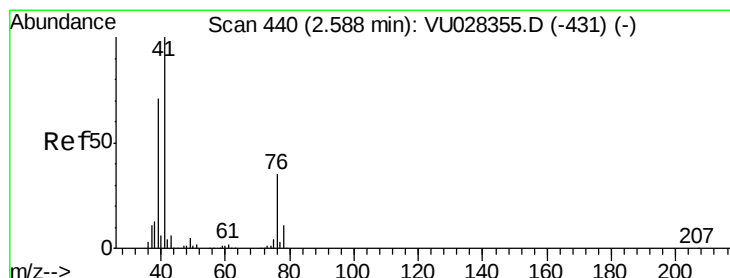
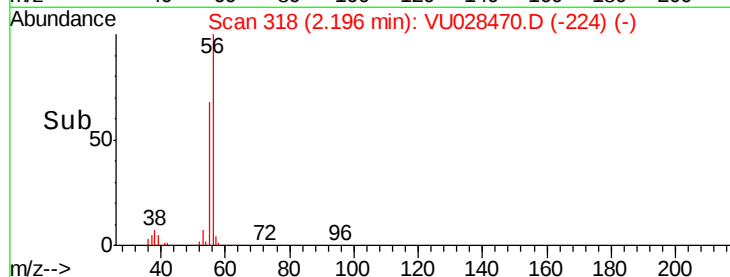
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 18.699 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

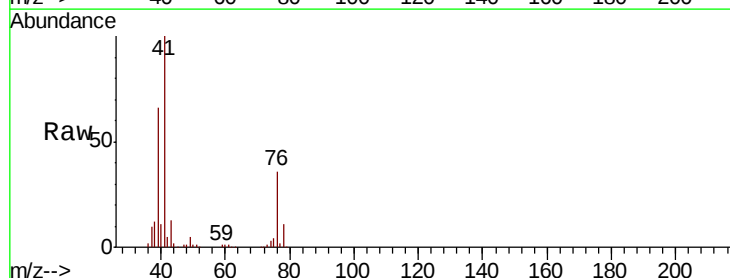
Tgt Ion: 41 Resp: 176860

Ion Ratio Lower Upper

41 100

39 65.2 51.6 77.4

76 33.7 24.4 36.6



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

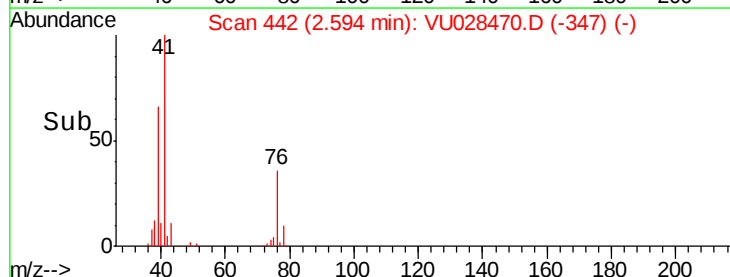
2.59

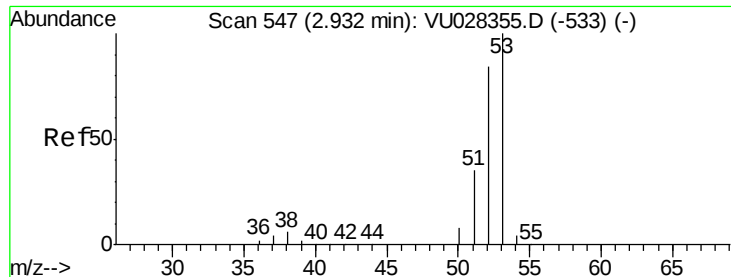
100000

50000

0

Time--> 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 101.938 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

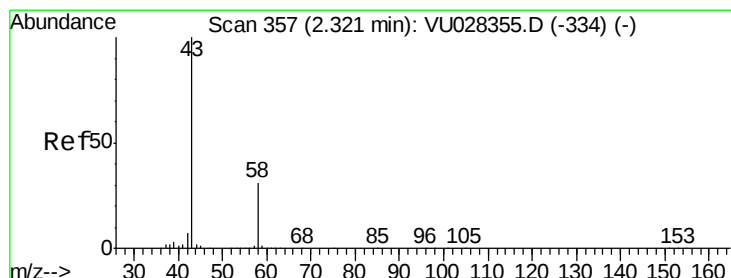
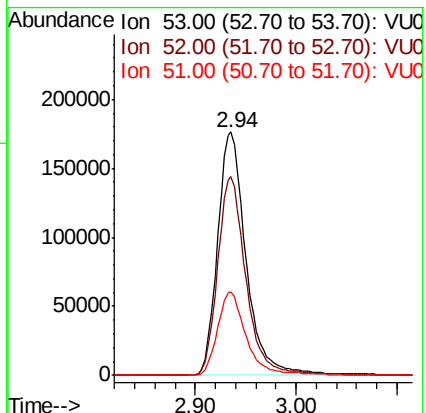
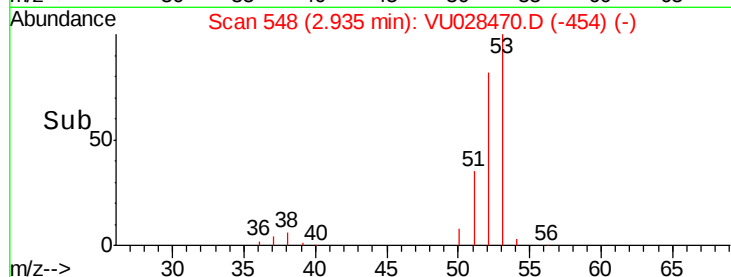
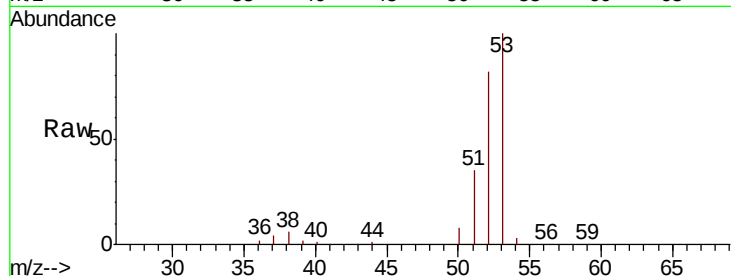
Tot Ion: 53 Resp: 346919

Ion Ratio Lower Upper

53 100

52 80.6 65.7 98.5

51 33.8 27.8 41.6



#16

Acetone

Concen: 101.236 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028470.D

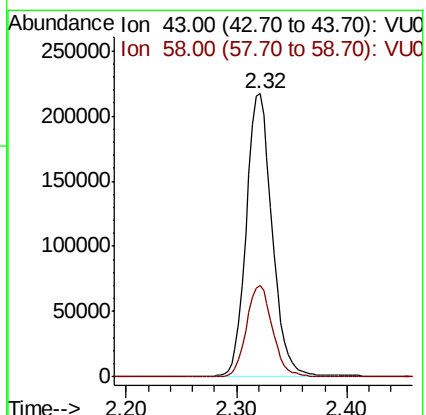
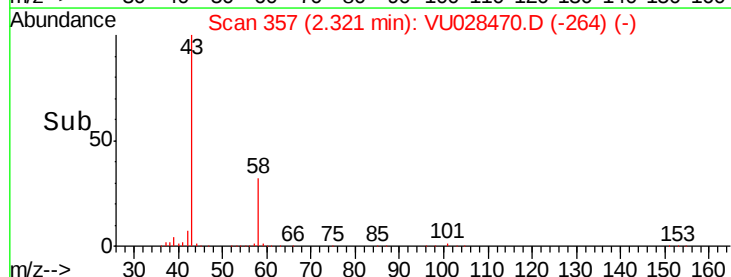
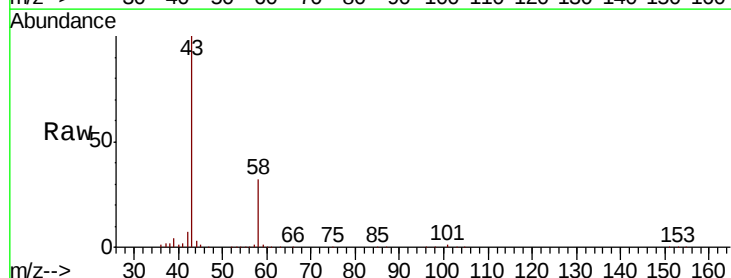
Acq: 05 Dec 2018 11:19

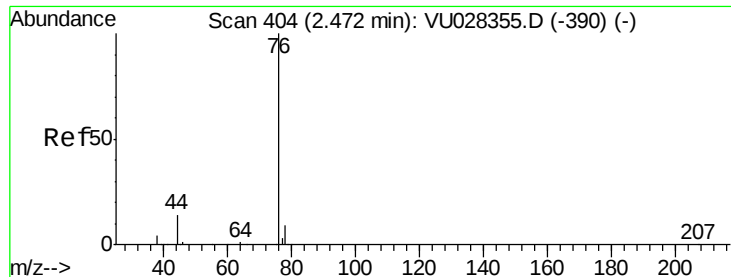
Tgt Ion: 43 Resp: 350712

Ion Ratio Lower Upper

43 100

58 32.4 24.4 36.6

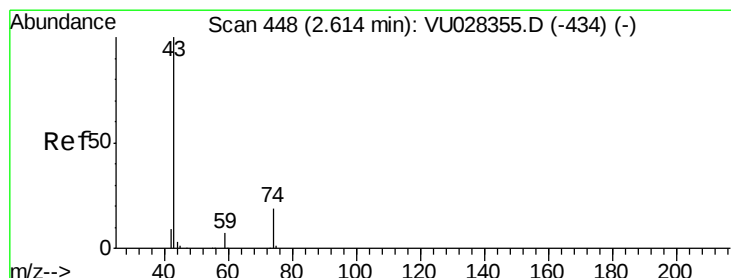
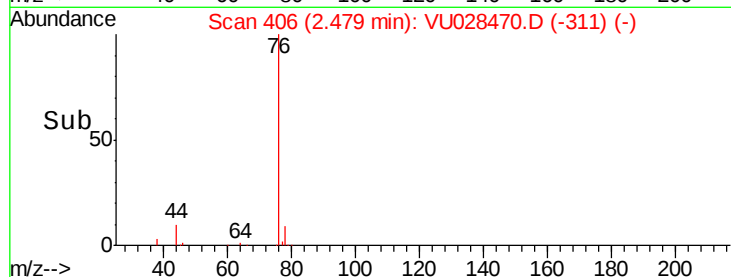
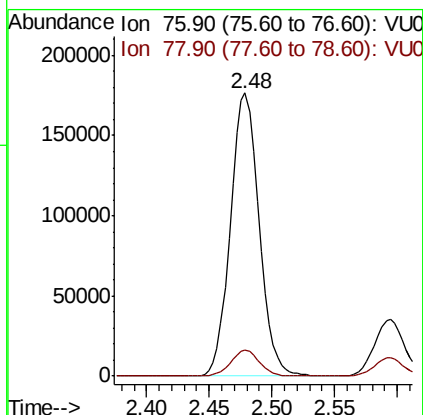
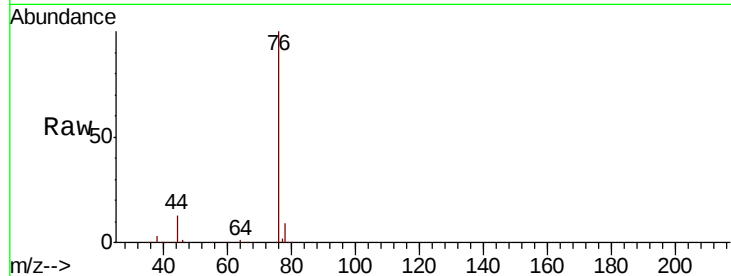




#17
Carbon Disulfide
Concen: 20.170 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

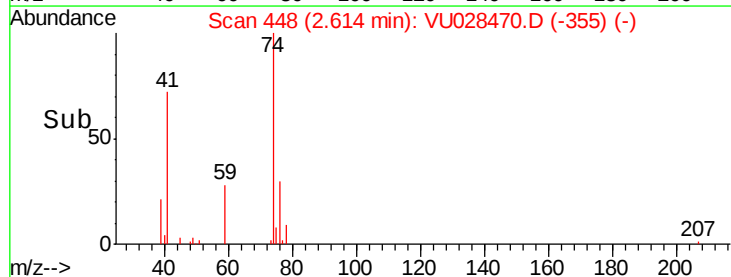
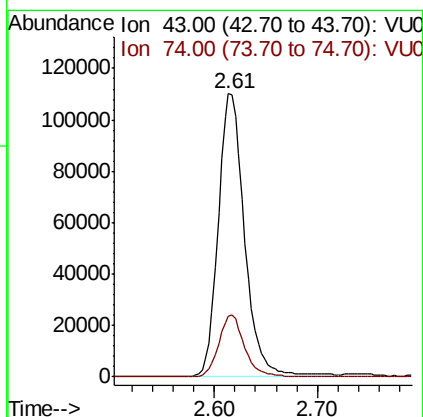
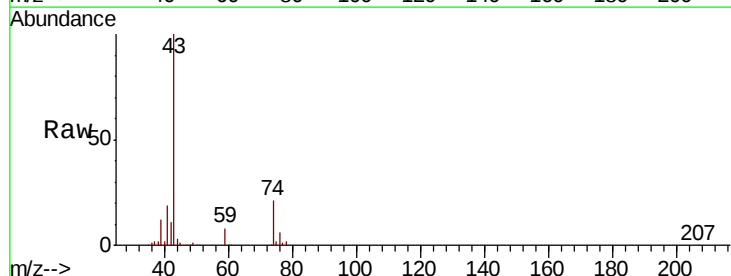
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

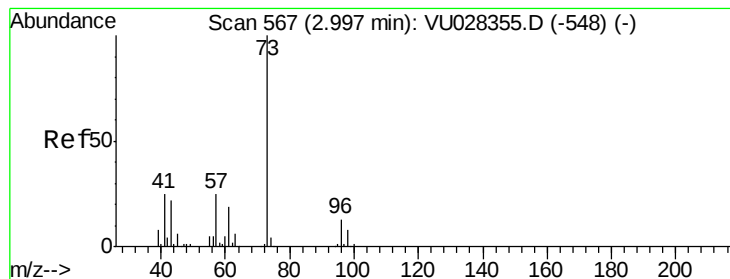
Tot Ion: 76 Resp: 280261
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 20.229 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 43 Resp: 195118
Ion Ratio Lower Upper
43 100
74 21.3 15.3 22.9



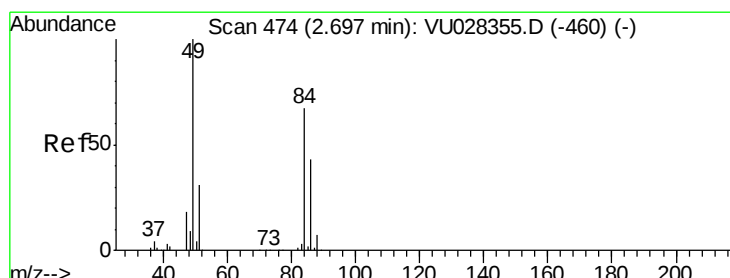
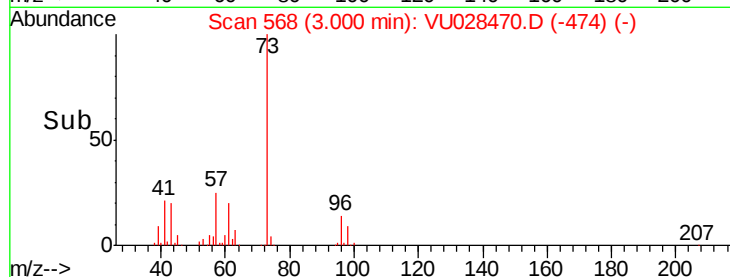
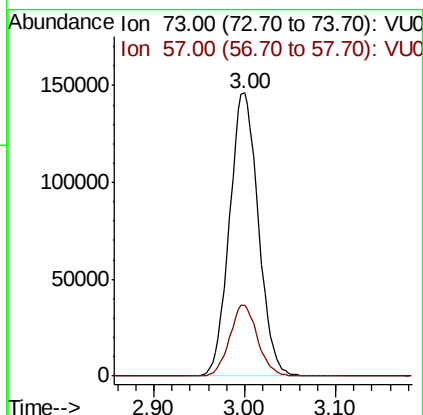
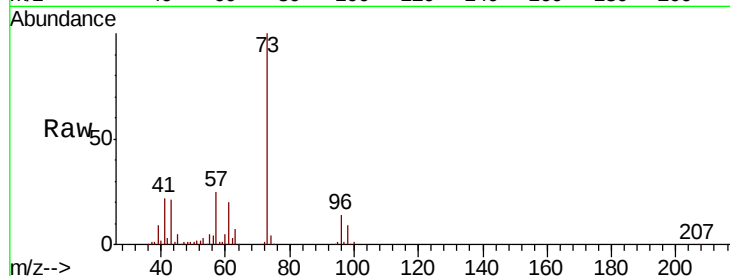


#19

Methyl tert-butyl Ether
 Concen: 21.705 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

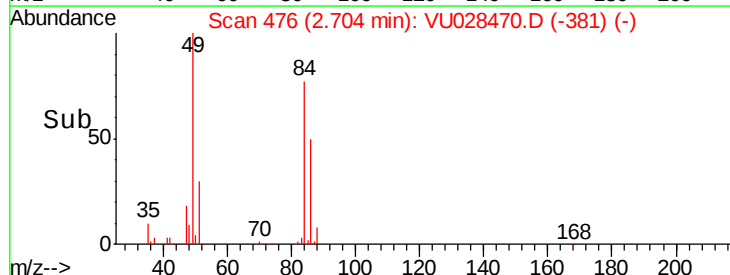
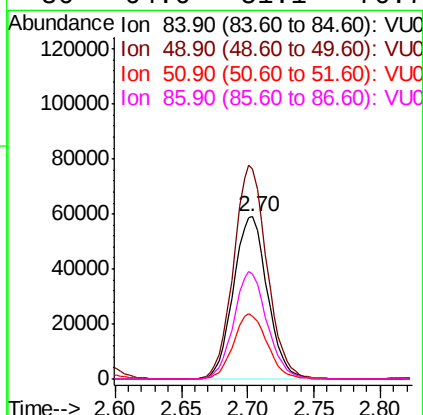
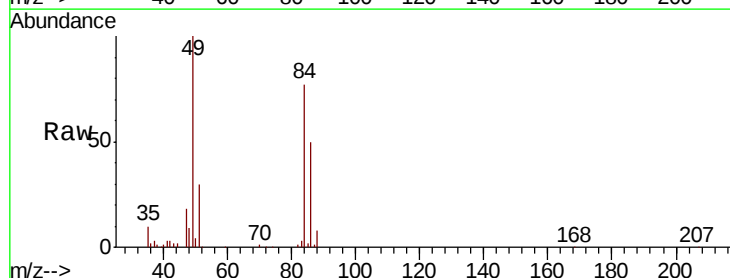
Tot Ion: 73 Resp: 322136
 Ion Ratio Lower Upper
 73 100
 57 24.8 20.1 30.1

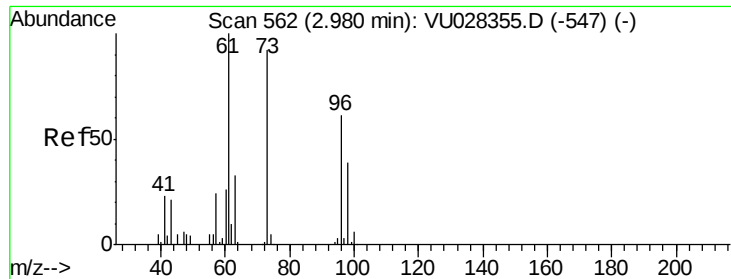


#20

Methylene Chloride
 Concen: 21.459 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 84 Resp: 105059
 Ion Ratio Lower Upper
 84 100
 49 129.3 120.0 180.0
 51 38.9 36.9 55.3
 86 64.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 22.608 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

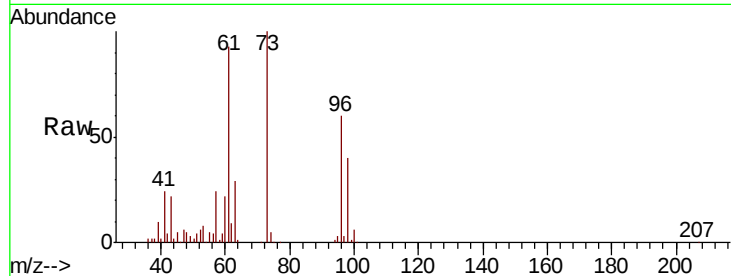
Tot Ion: 96 Resp: 94915

Ion Ratio Lower Upper

96 100

61 154.8 131.1 196.7

98 66.0 51.7 77.5

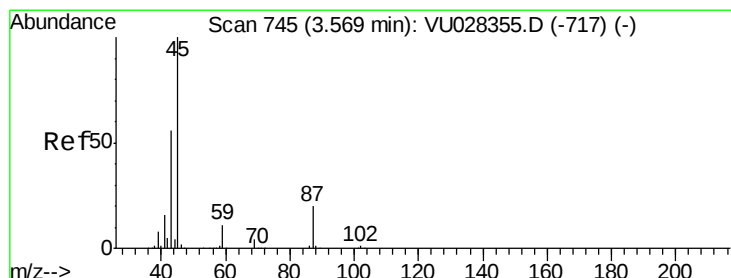
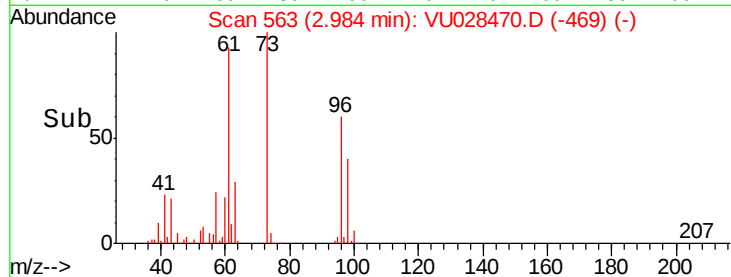
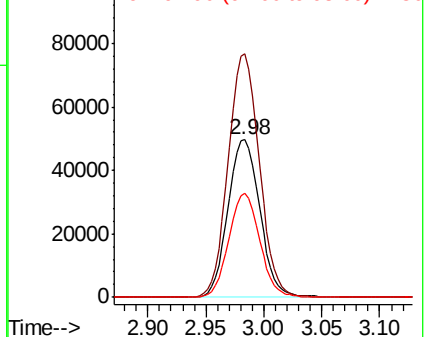


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.728 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Tgt Ion: 45 Resp: 367349

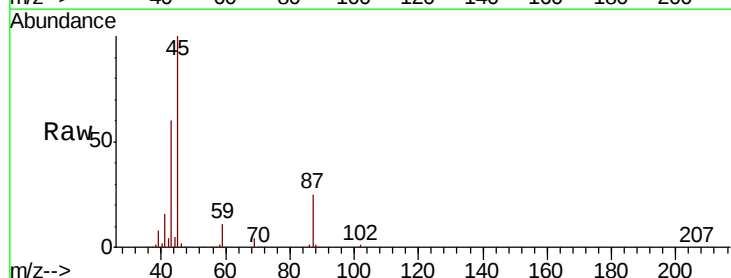
Ion Ratio Lower Upper

45 100

43 59.6 44.8 67.2

87 24.8 16.3 24.5#

59 11.3 8.6 12.8



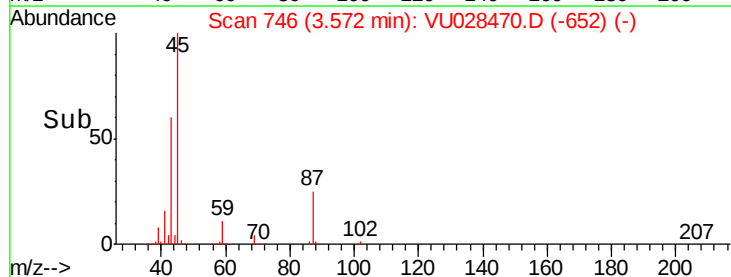
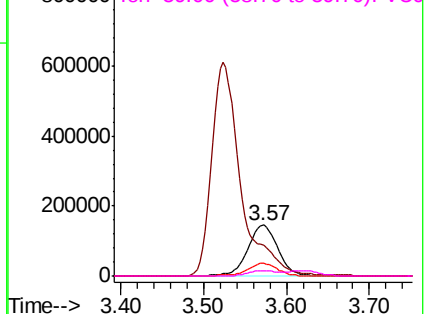
Abundance

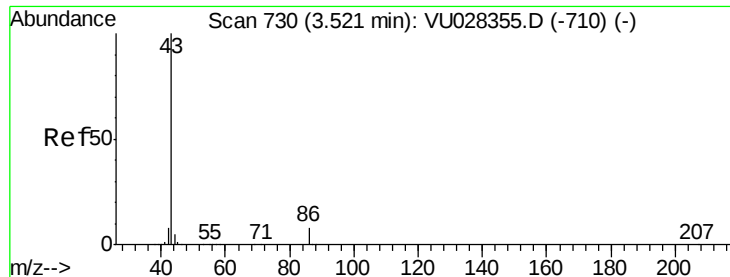
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 96.289 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

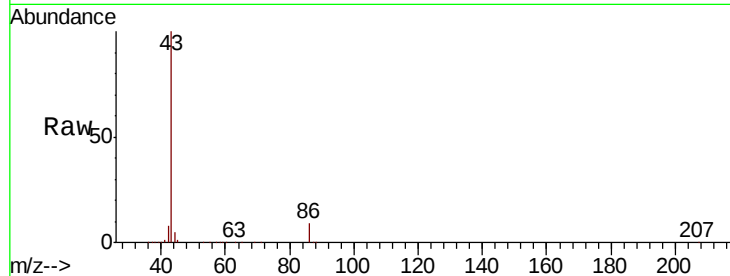
VU1205WBS01

Tot Ion: 43 Resp: 1490352

Ion Ratio Lower Upper

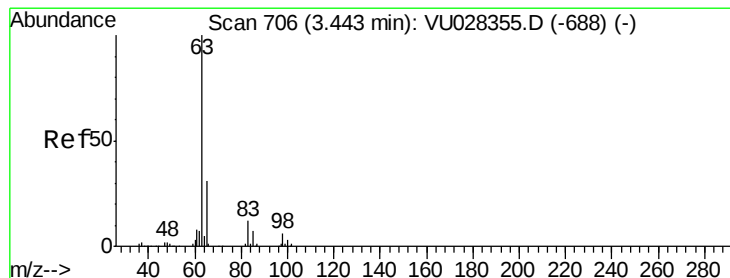
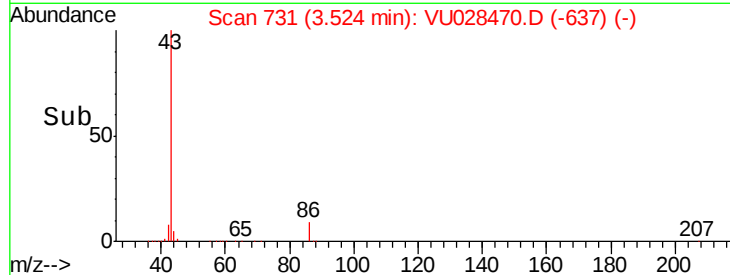
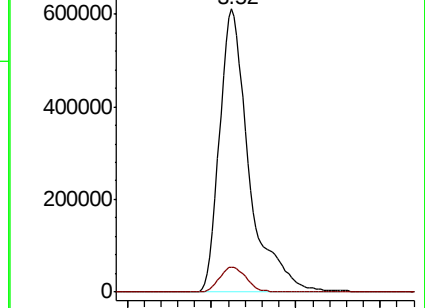
43 100

86 9.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028470.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028470.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

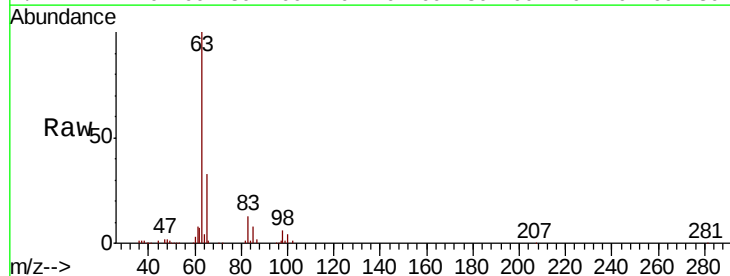
Tgt Ion: 63 Resp: 191048

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

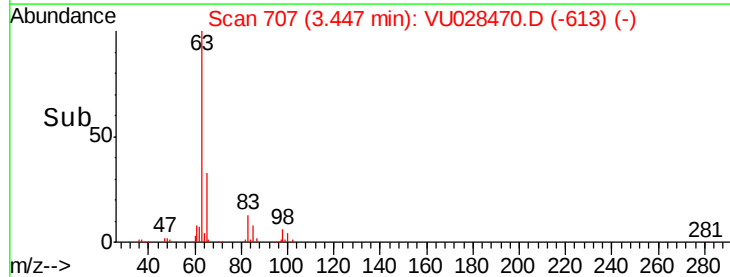
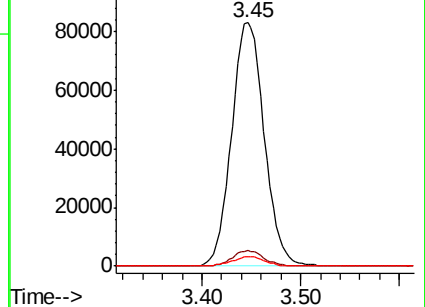
100 3.9 1.7 5.1

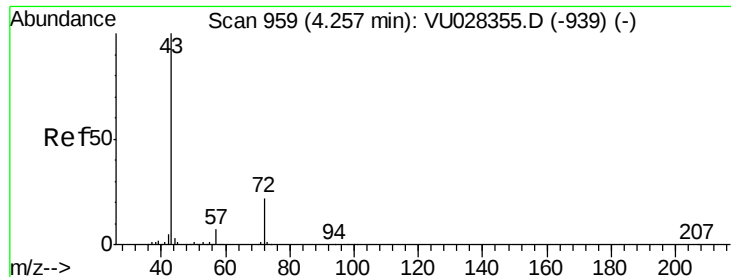


Abundance Ion 62.90 (62.60 to 63.60): VU028470.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028470.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028470.D (-613) (-)

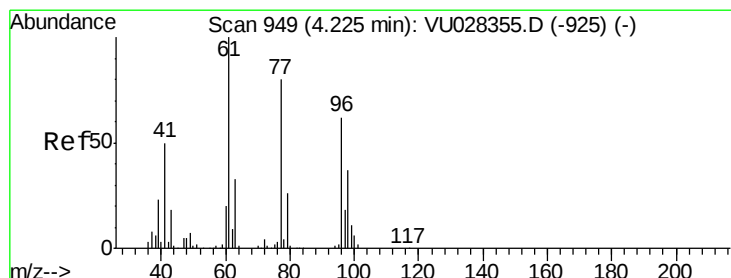
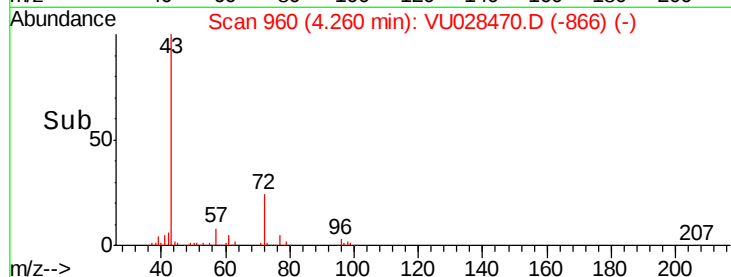
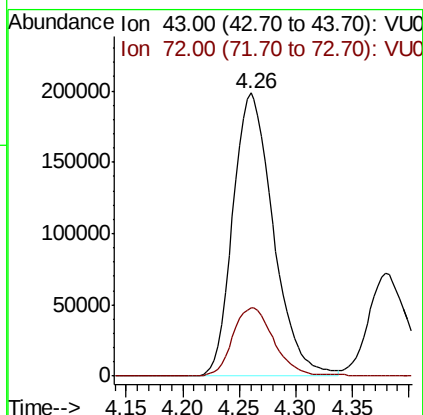
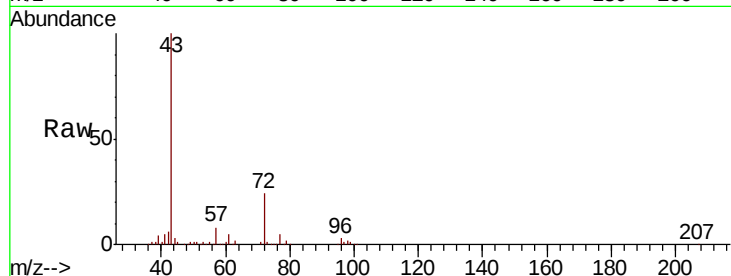




#25
2-Butanone
Concen: 98.647 ug/l
RT: 4.26 min Scan# 960
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

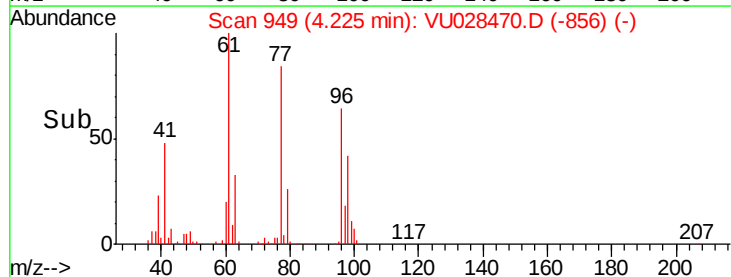
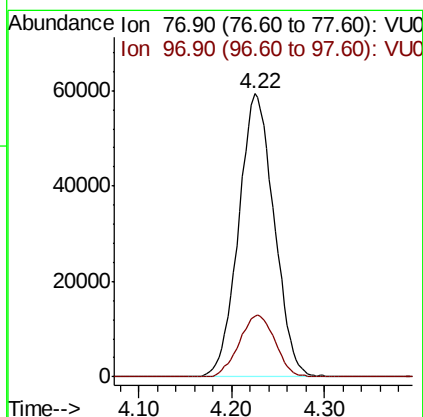
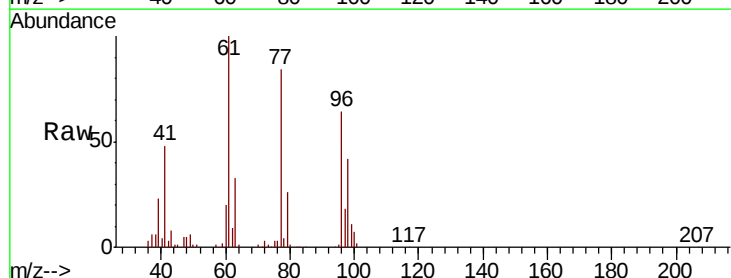
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

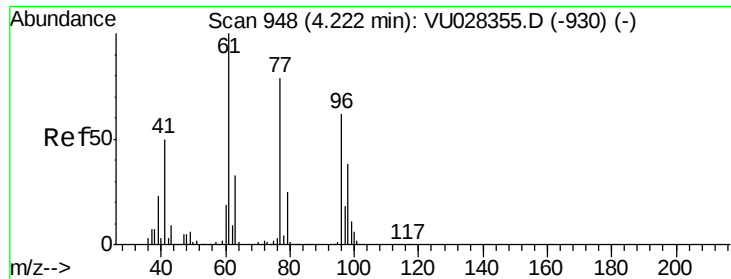
Tot Ion: 43 Resp: 489769
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5



#26
2,2-Dichloropropane
Concen: 21.597 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 77 Resp: 157470
Ion Ratio Lower Upper
77 100
97 22.0 10.7 32.1



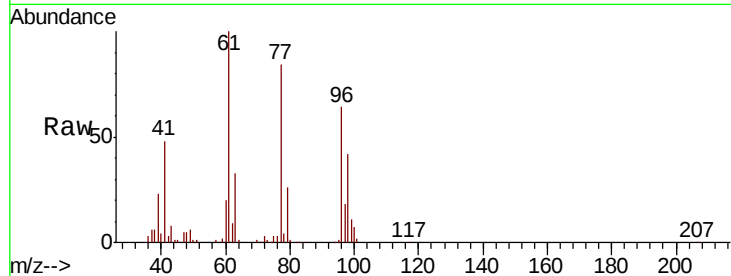


#27

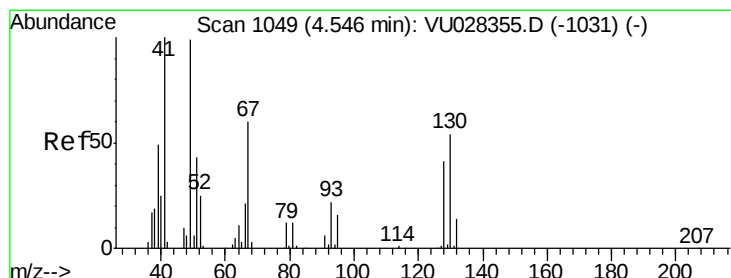
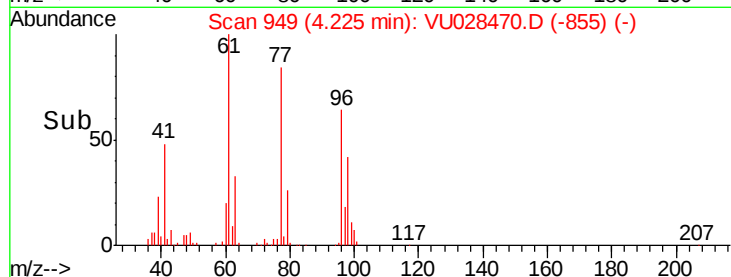
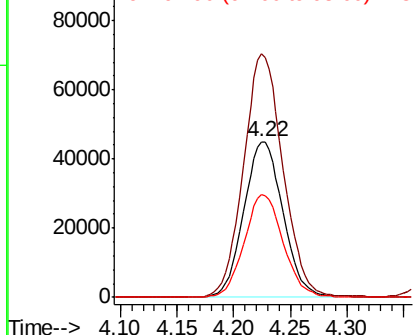
cis-1,2-Dichloroethene
Concen: 21.804 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	342.0
98	65.7	0.0	126.4



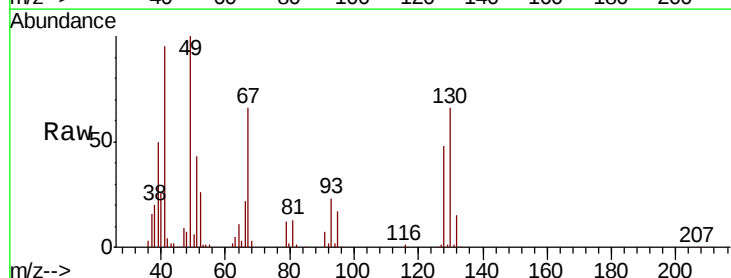
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



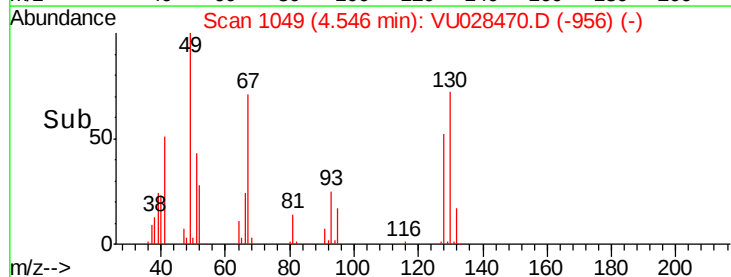
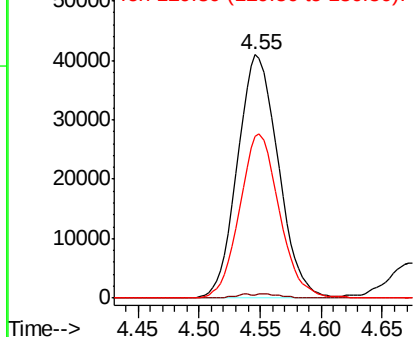
#28

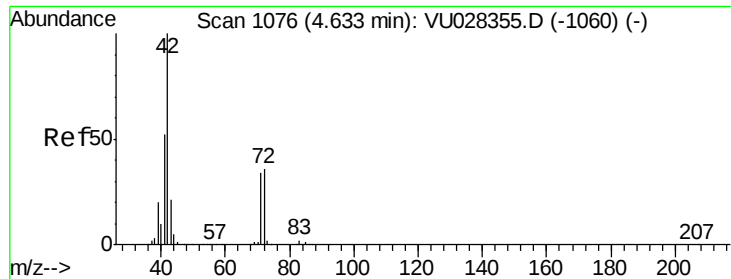
Bromochloromethane
Concen: 20.656 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	65.2	44.5	66.7



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

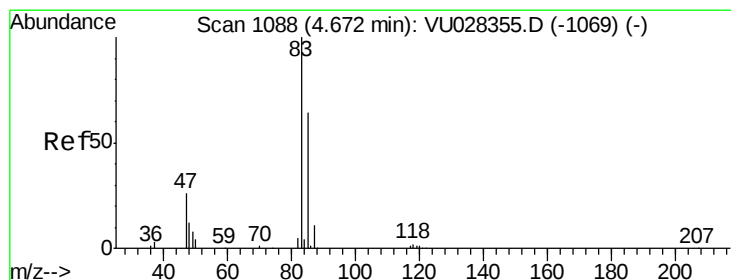
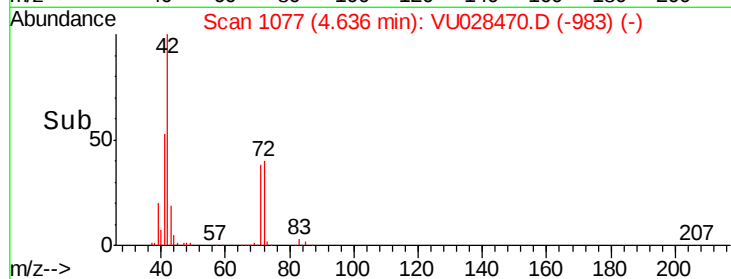
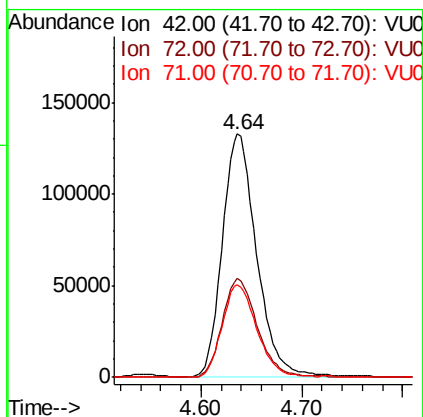
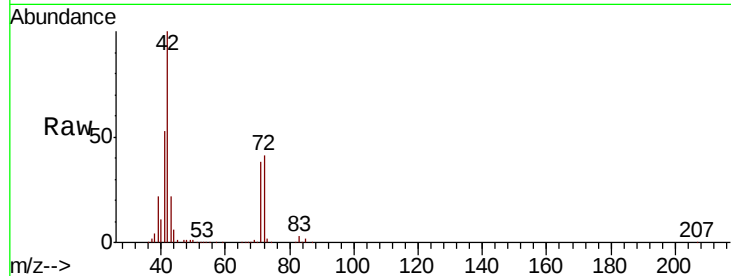




#29
Tetrahydrofuran
Concen: 96.988 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

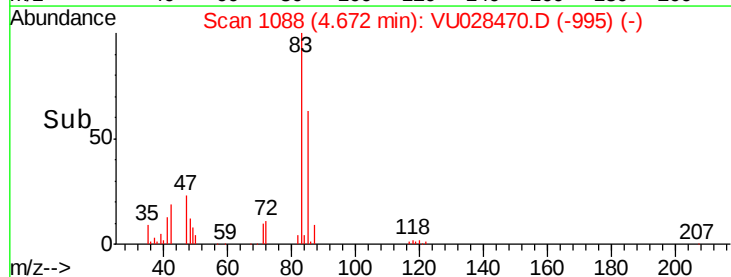
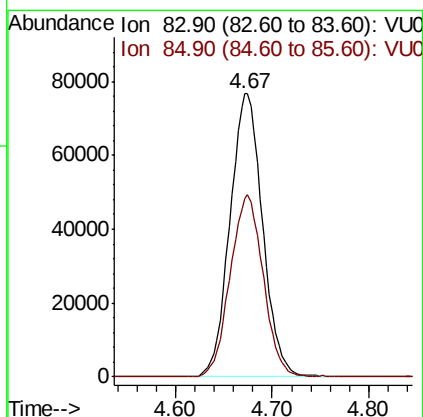
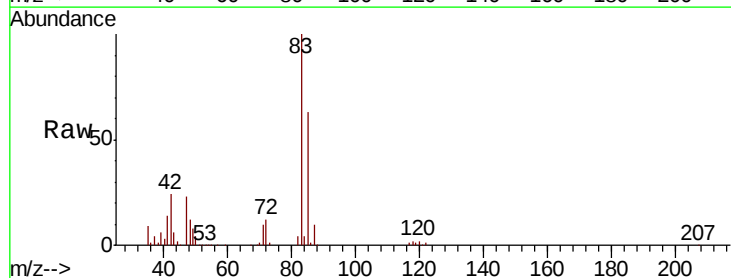
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

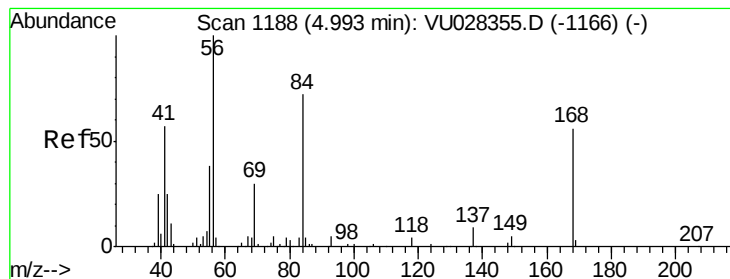
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	29.5	44.3
71	38.9	27.7	41.5



#30
Chloroform
Concen: 21.190 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.2	76.8





#31

Cyclohexane

Concen: 19.983 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

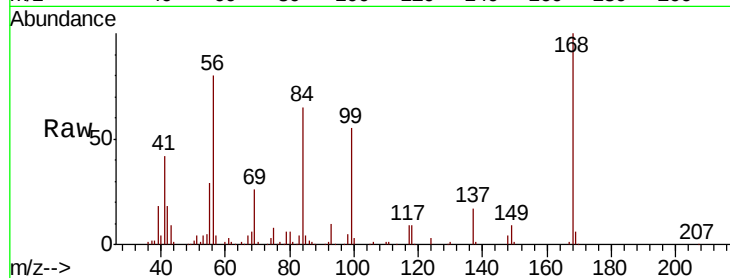
Tot Ion: 56 Resp: 190515

Ion Ratio Lower Upper

56 100

69 32.1 23.7 35.5

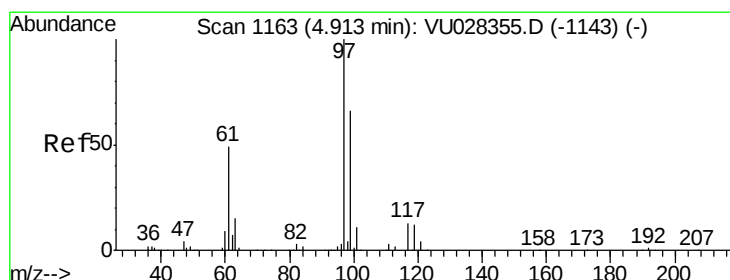
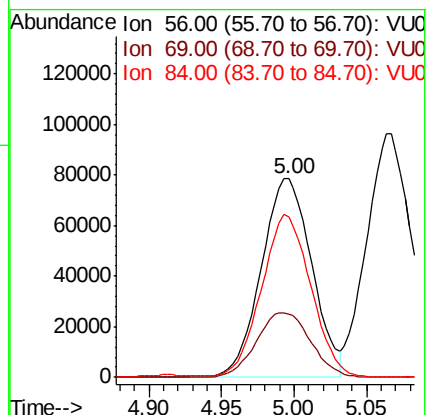
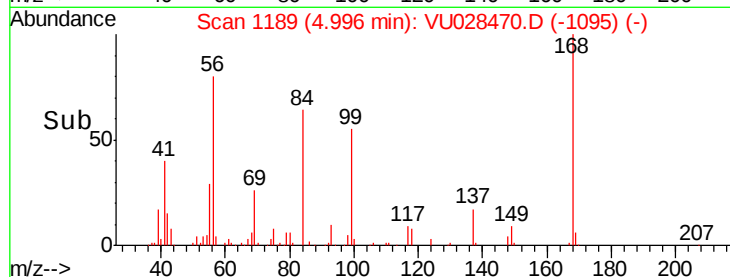
84 80.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VU028470.D (-1095) (-)

Ion 69.00 (68.70 to 69.70): VU028470.D (-1095) (-)

Ion 84.00 (83.70 to 84.70): VU028470.D (-1095) (-)



#32

1,1,1-Trichloroethane

Concen: 21.188 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

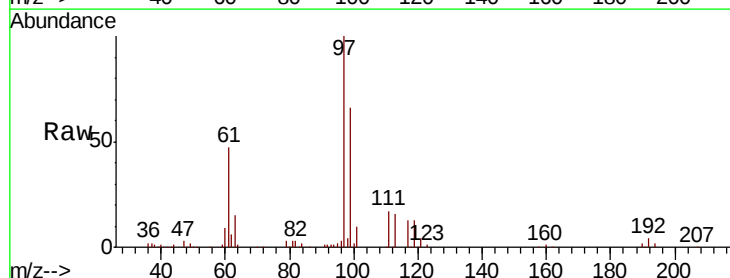
Tgt Ion: 97 Resp: 144077

Ion Ratio Lower Upper

97 100

99 64.6 50.8 76.2

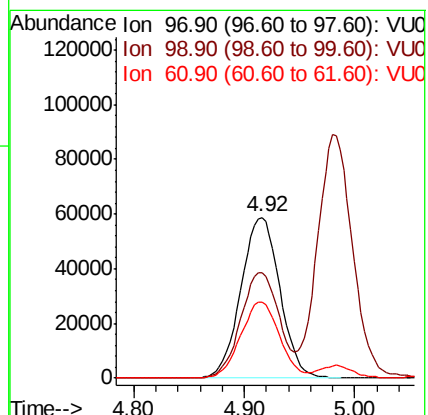
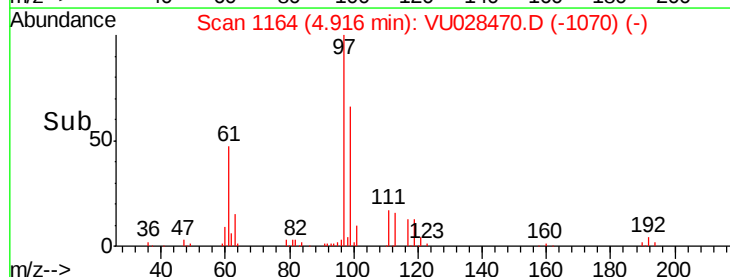
61 47.3 39.1 58.7

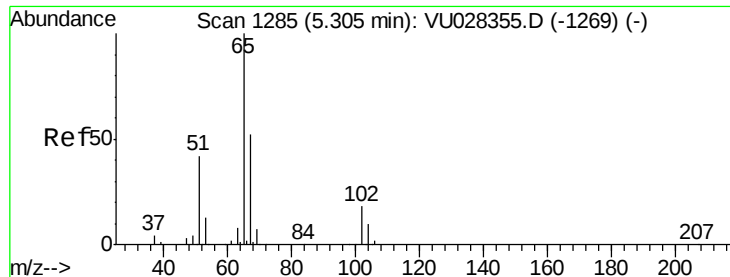


Abundance Ion 96.90 (96.60 to 97.60): VU028470.D (-1070) (-)

Ion 98.90 (98.60 to 99.60): VU028470.D (-1070) (-)

Ion 60.90 (60.60 to 61.60): VU028470.D (-1070) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.214 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

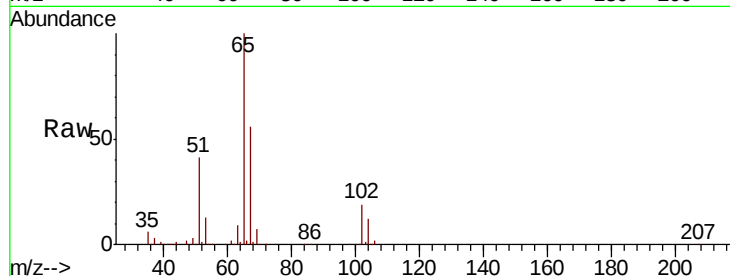
VU1205WBS01

Tot Ion: 65 Resp: 290033

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

150000

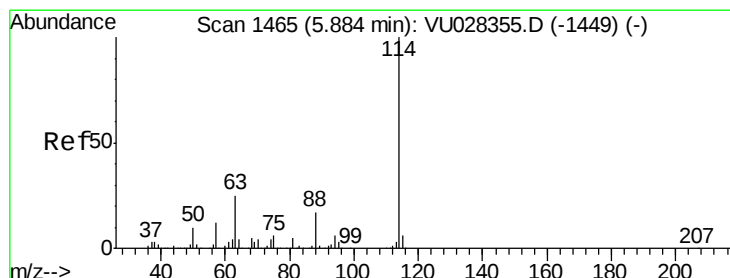
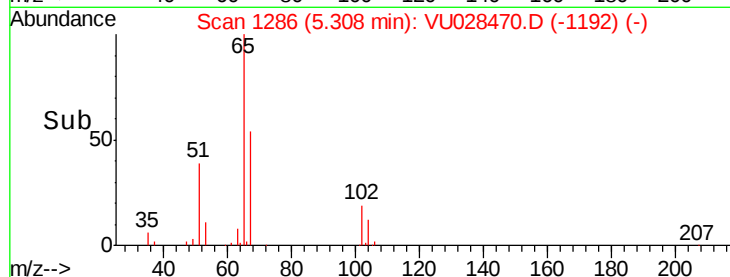
100000

50000

0

Time-->

5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

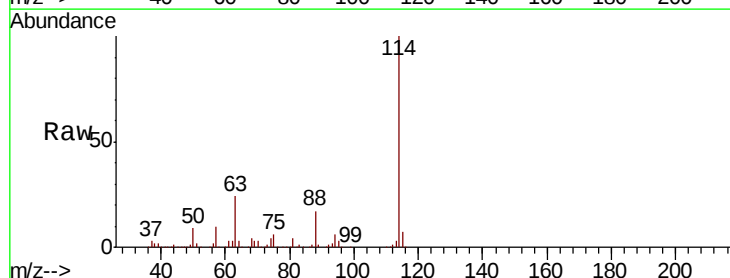
Tgt Ion: 114 Resp: 580033

Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.0

88 16.8 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.88

400000

300000

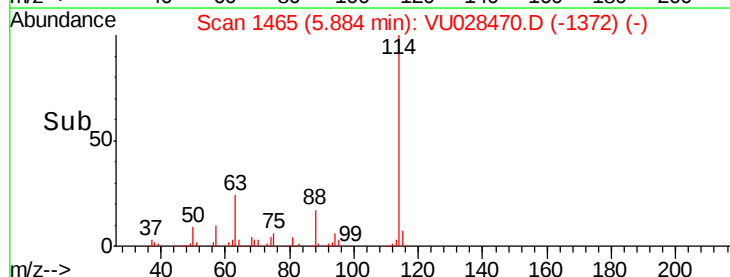
200000

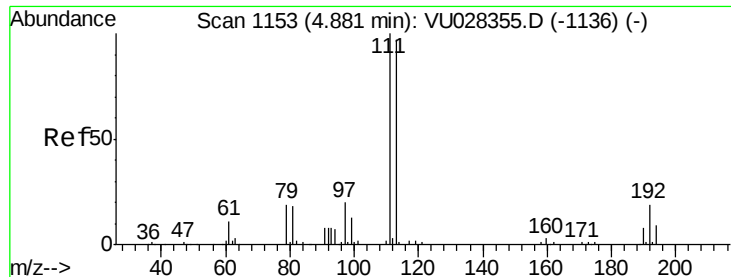
100000

0

Time-->

5.80 5.90 6.00

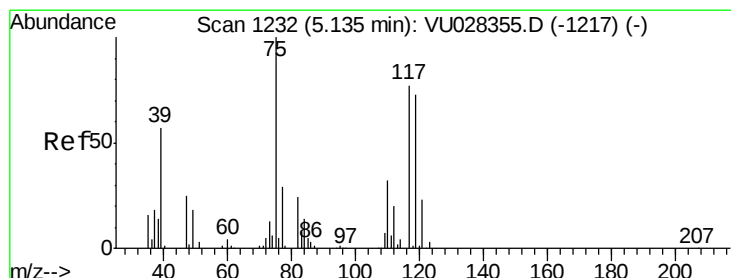
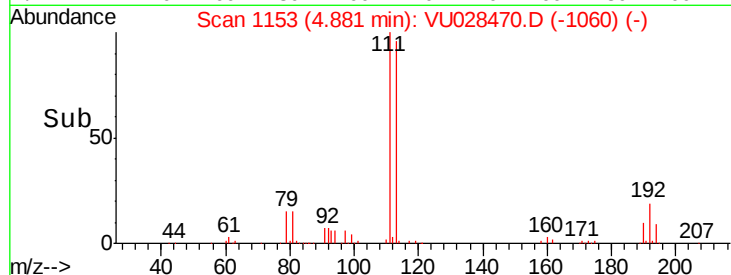
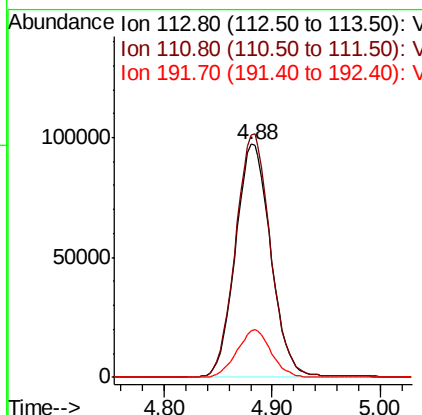
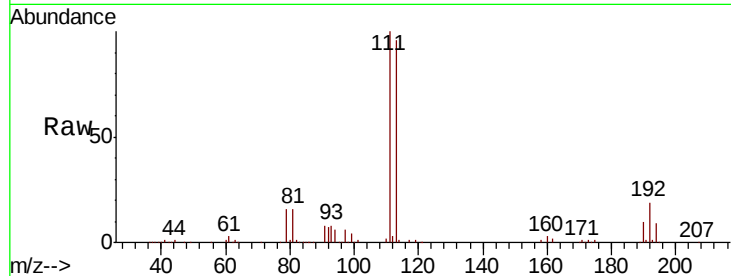




#35
 Dibromofluoromethane
 Concen: 57.577 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

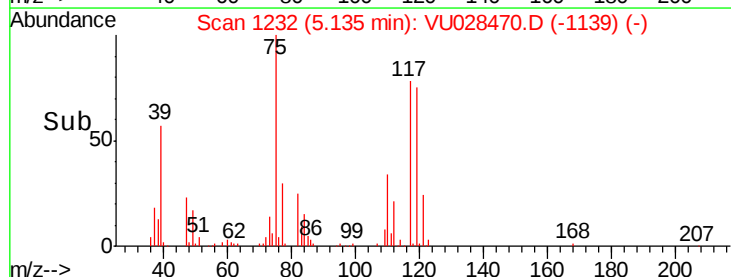
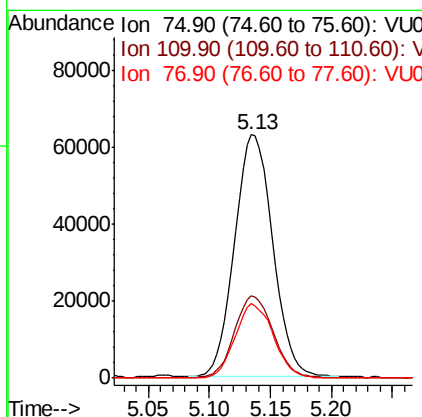
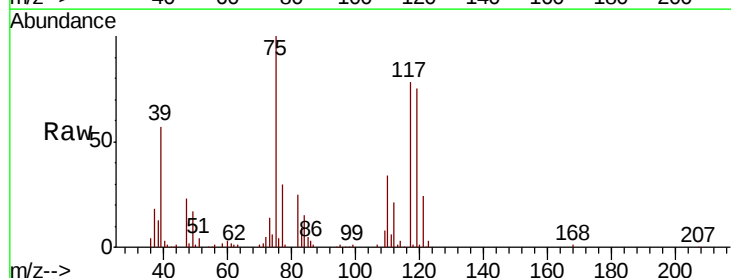
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

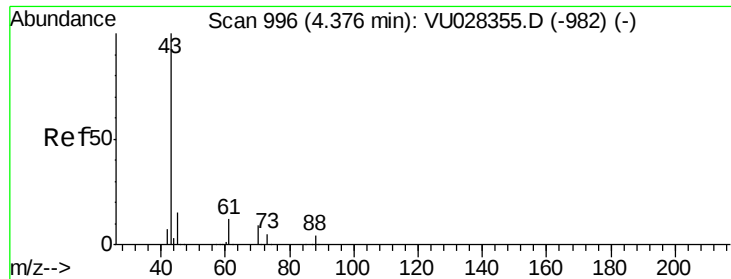
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.8	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 21.599 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	15.8	47.4
77	30.7	24.6	36.8

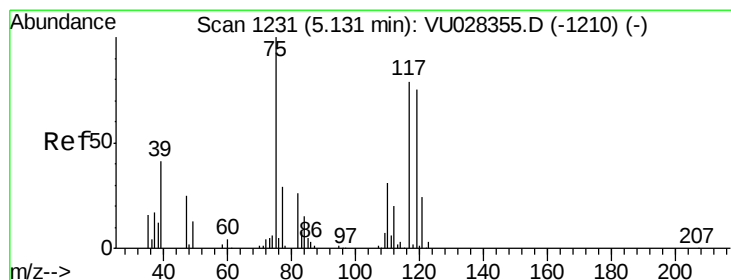
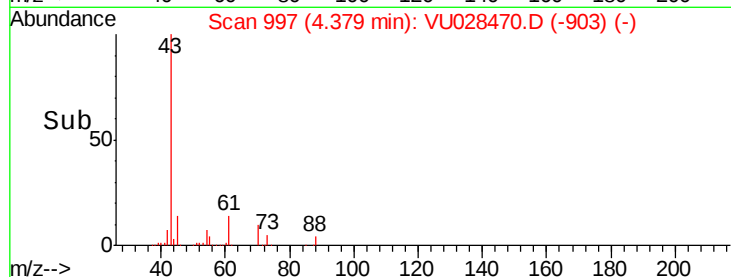
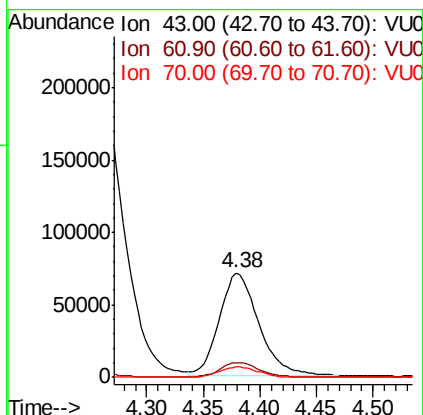
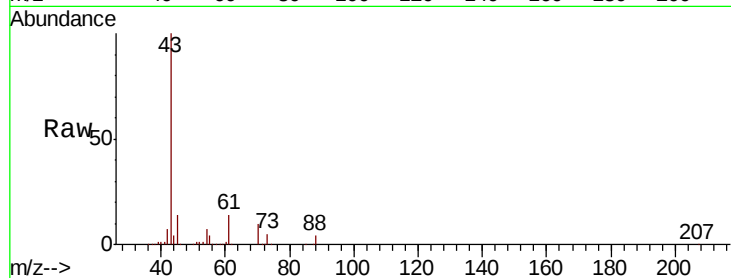




#37
Ethyl Acetate
Concen: 19.940 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

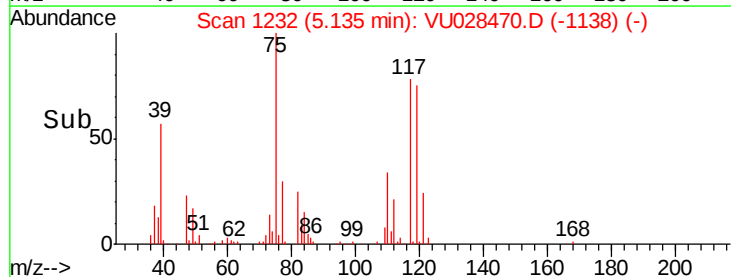
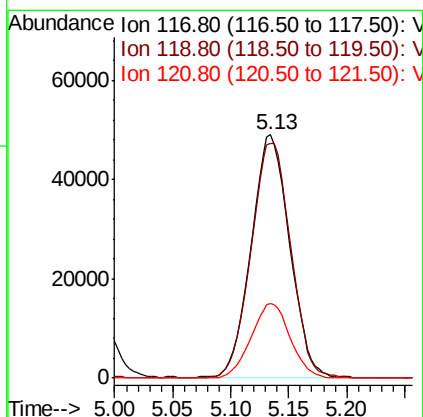
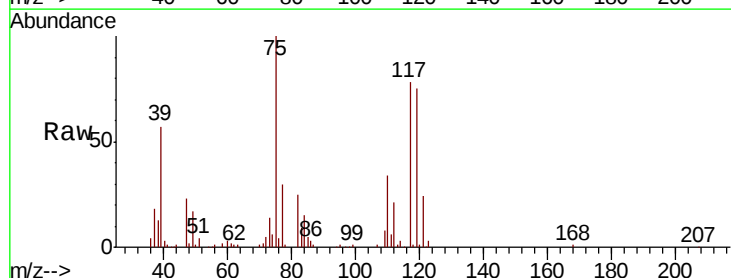
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

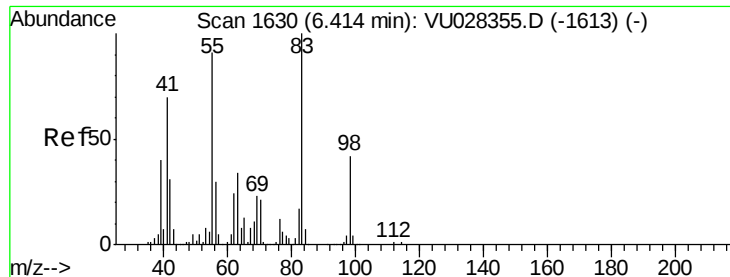
Tot Ion: 43 Resp: 172477
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.4
70 10.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.661 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 117 Resp: 112901
Ion Ratio Lower Upper
117 100
119 96.8 76.3 114.5
121 30.5 24.7 37.1

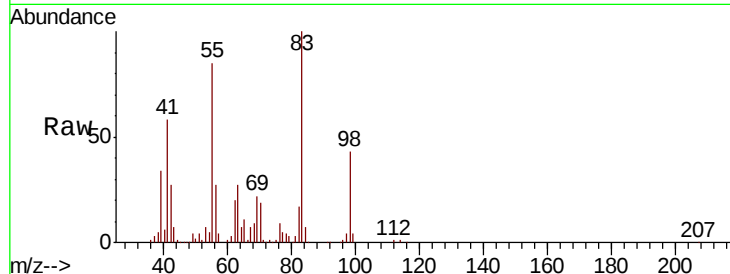




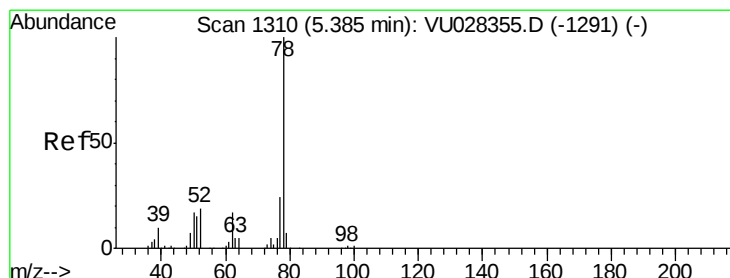
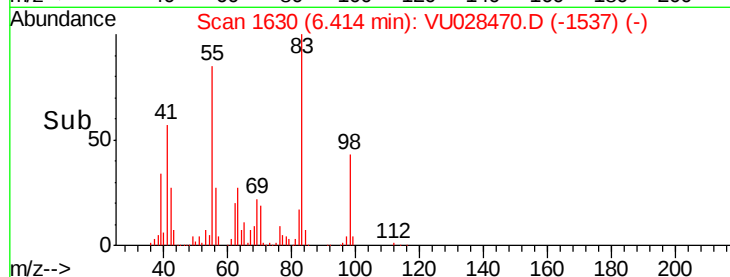
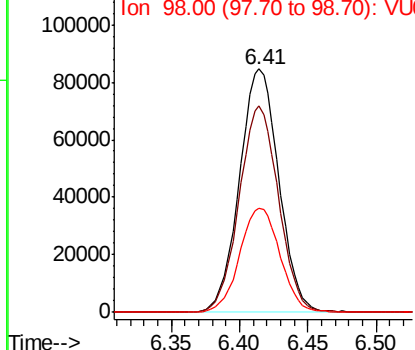
#39
Methvlcvclohexane
Concen: 22.674 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion: 83 Resp: 169680
Ion Ratio Lower Upper
83 100
55 84.7 73.1 109.7
98 42.9 33.9 50.9

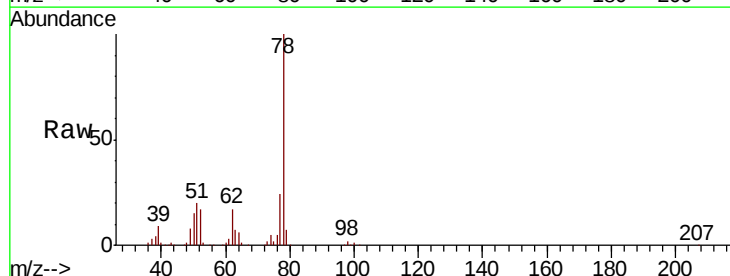


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

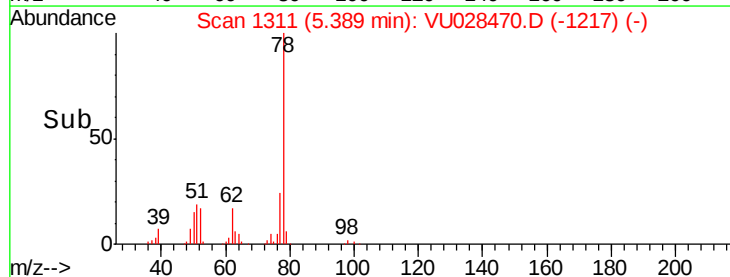
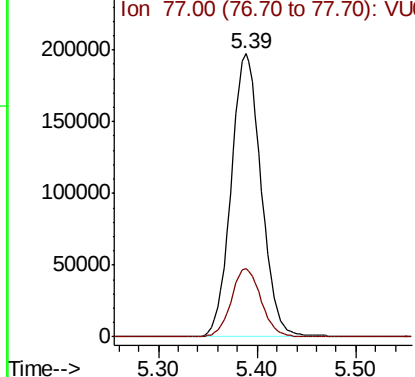


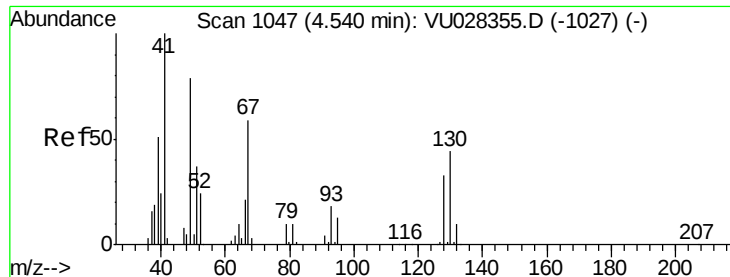
#40
Benzene
Concen: 22.244 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 78 Resp: 418159
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

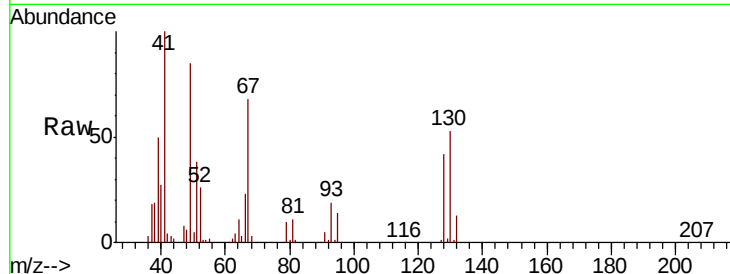




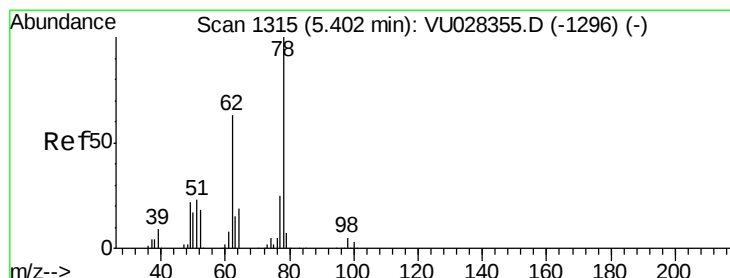
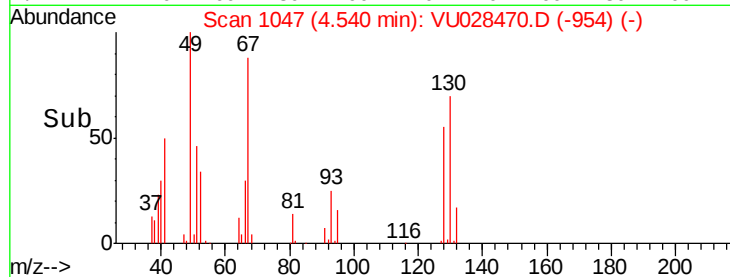
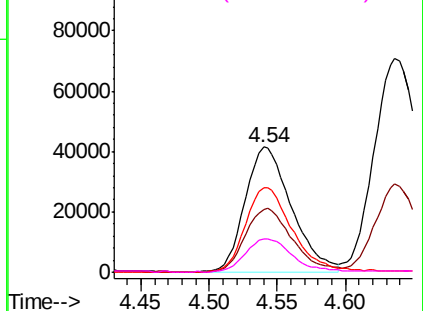
#41
Methacrylonitrile
Concen: 20.529 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion:	41	Resp:	98613
Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.3	61.9
67	68.7	48.6	73.0
52	26.6	19.4	29.0

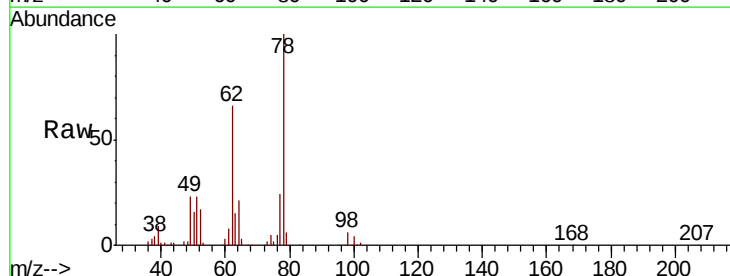


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

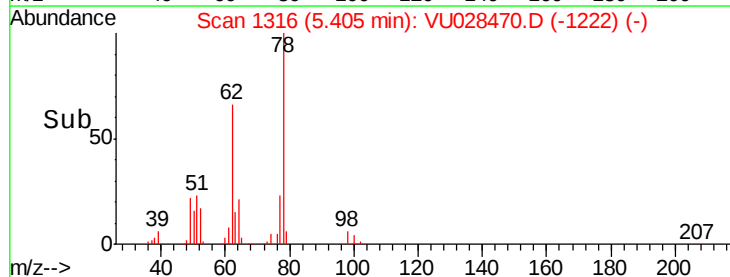
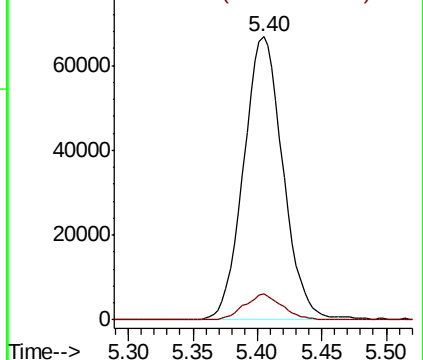


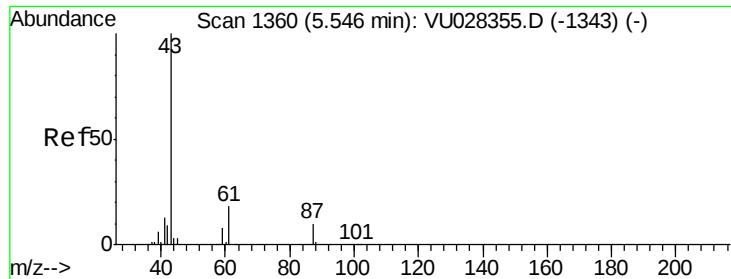
#42
1,2-Dichloroethane
Concen: 20.961 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:	62	Resp:	141953
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 20.371 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

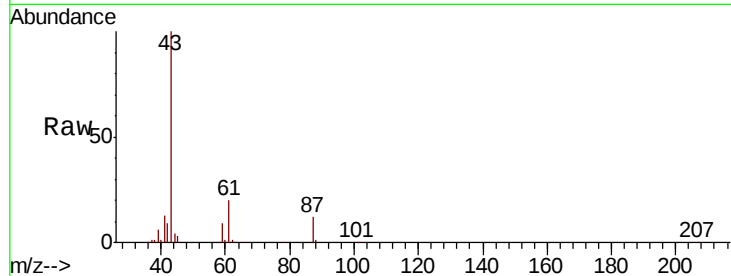
Tot Ion: 43 Resp: 279229

Ion Ratio Lower Upper

43 100

61 19.8 14.5 21.7

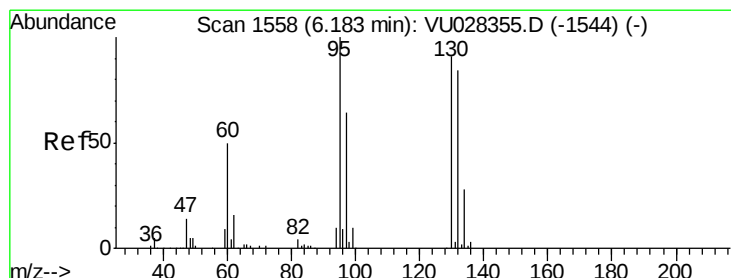
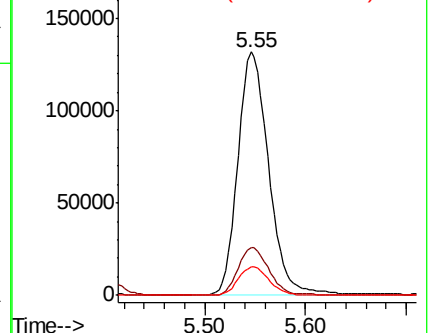
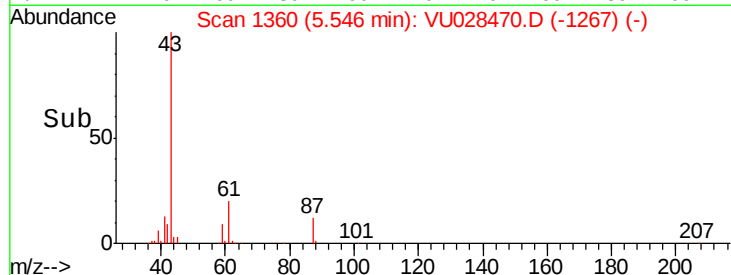
87 11.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028470.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028470.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028470.D (-1267) (-)



#44

Trichloroethene

Concen: 24.274 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028470.D

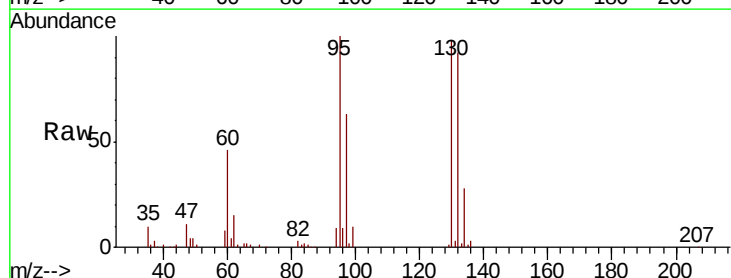
Acq: 05 Dec 2018 11:19

Tgt Ion:130 Resp: 97814

Ion Ratio Lower Upper

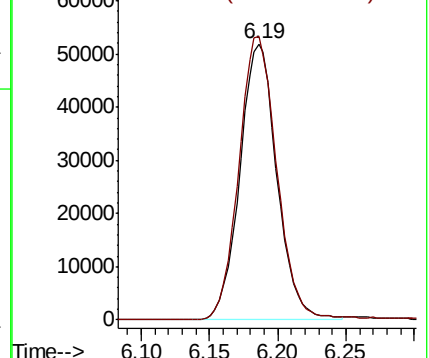
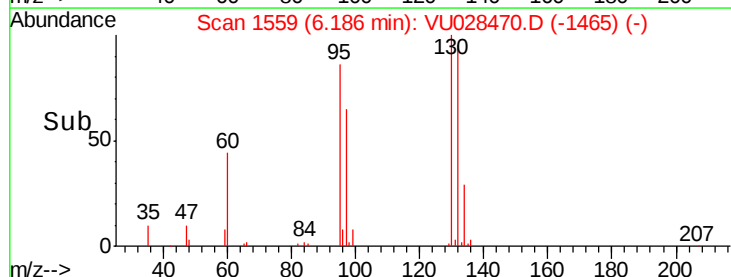
130 100

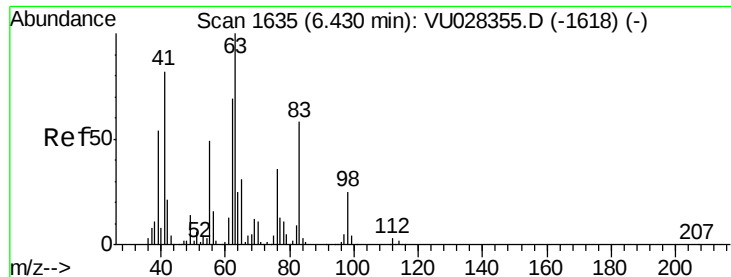
95 102.5 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028470.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU028470.D (-1465) (-)

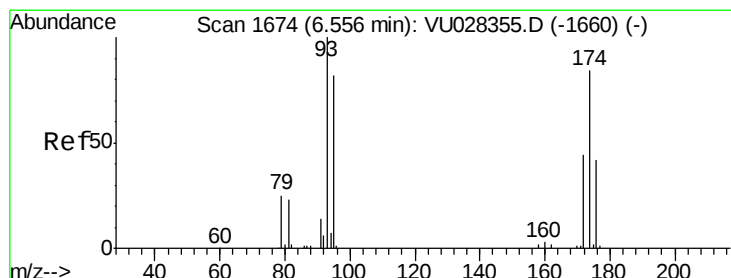
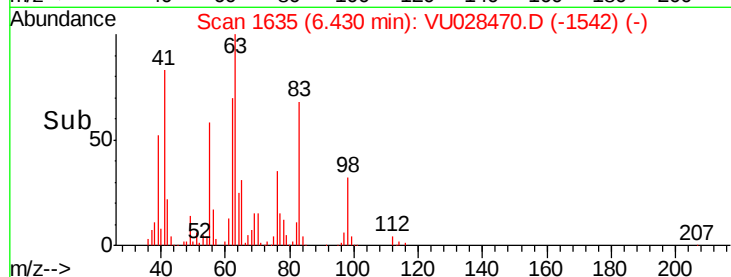
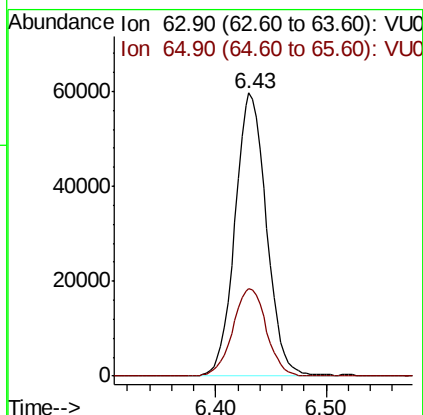
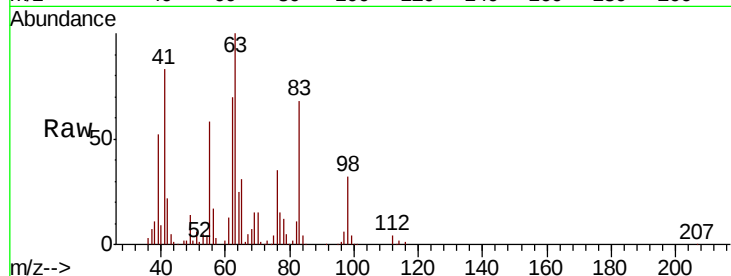




#45
 1,2-Dichloropropane
 Concen: 21.388 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

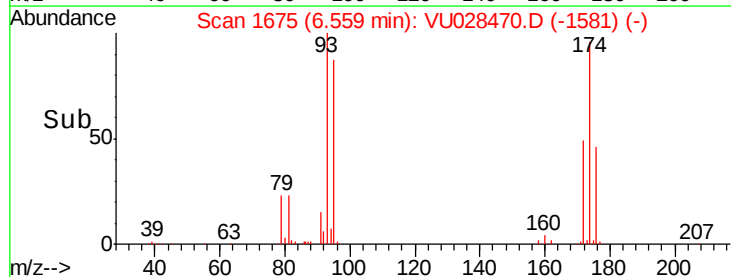
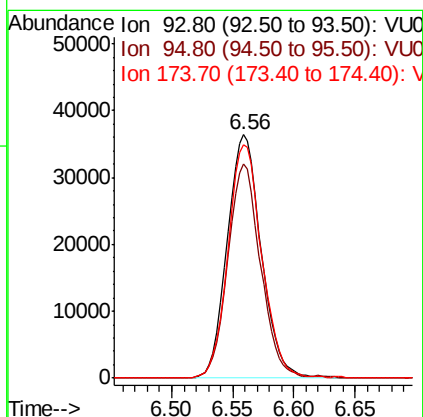
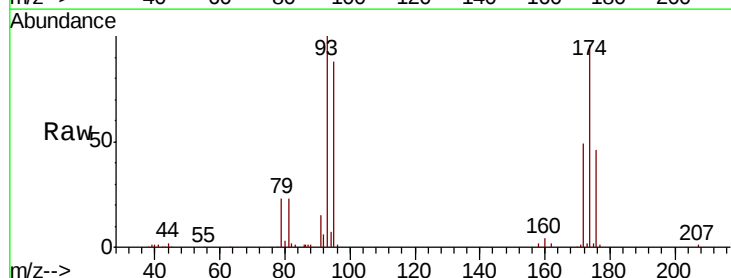
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

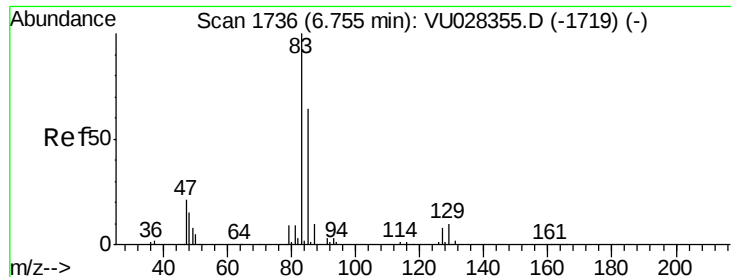
Tot Ion: 63 Resp: 117742
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.1 37.7



#46
 Dibromomethane
 Concen: 22.391 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 93 Resp: 70803
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.1 97.7
 174 95.3 69.9 104.9

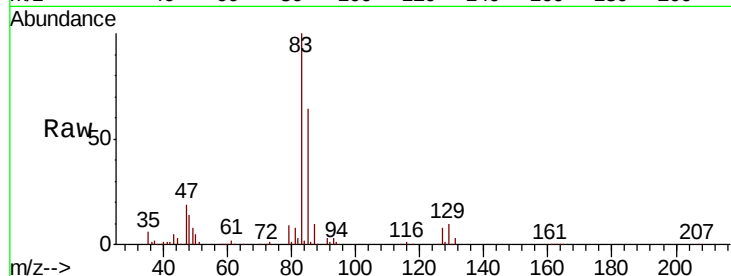




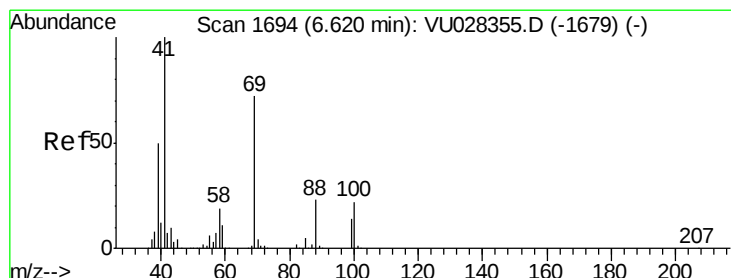
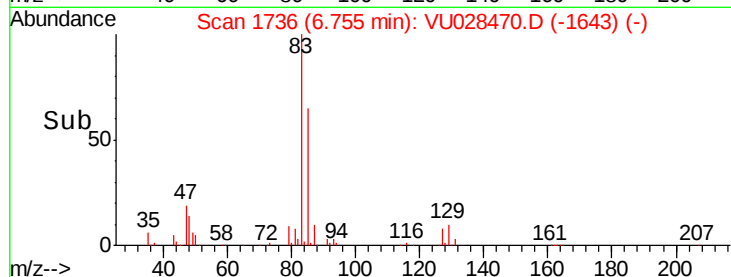
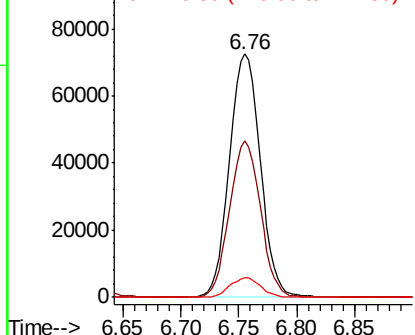
#47
 Bromodichloromethane
 Concen: 21.268 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

Tot Ion: 83 Resp: 133768
 Ion Ratio Lower Upper
 83 100
 85 64.1 50.9 76.3
 127 7.8 6.2 9.4

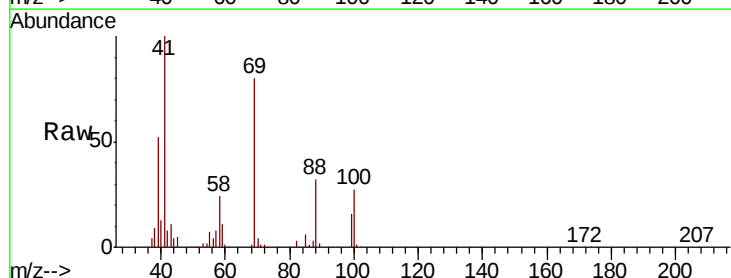


Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 126.80 (126.50 to 127.50): V

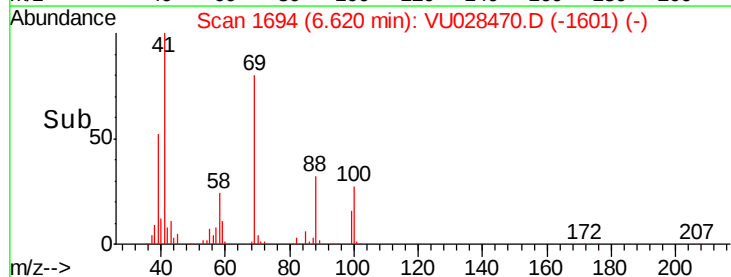
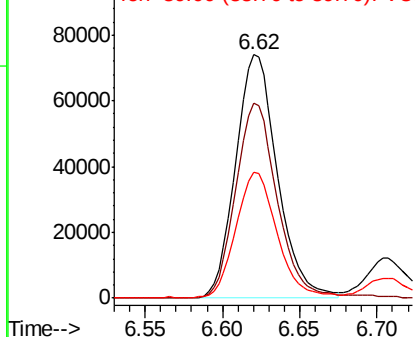


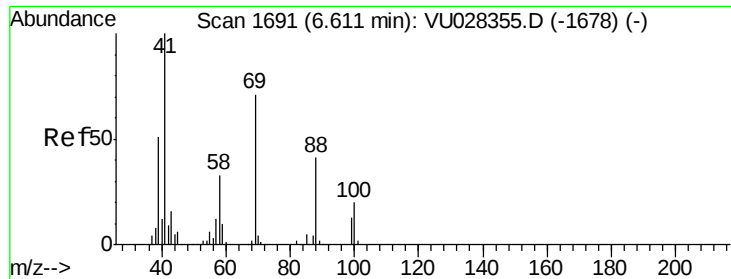
#48
 Methyl methacrylate
 Concen: 19.353 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 41 Resp: 138179
 Ion Ratio Lower Upper
 41 100
 69 80.9 59.0 88.4
 39 51.0 40.5 60.7



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

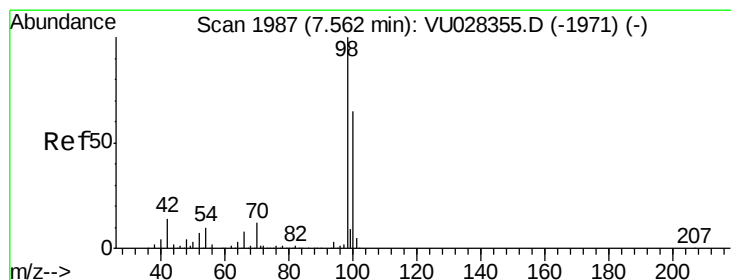
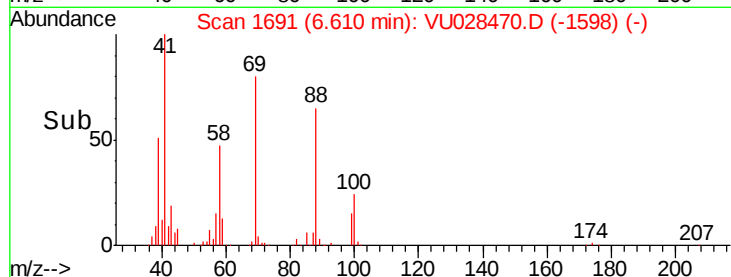
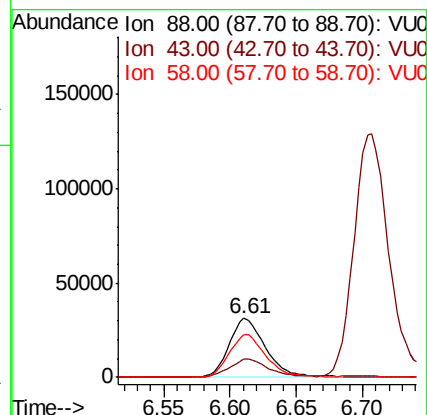
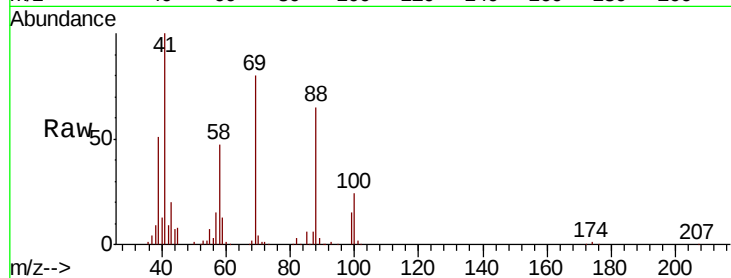




#49
1,4-Dioxane
Concen: 519.083 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

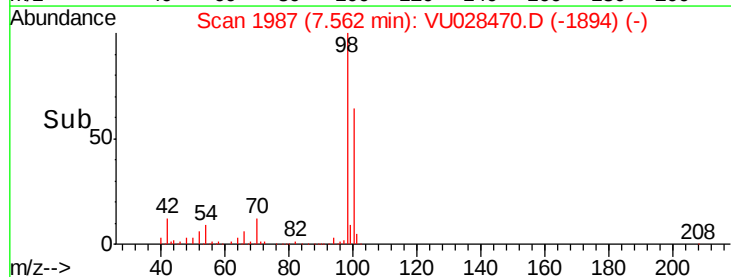
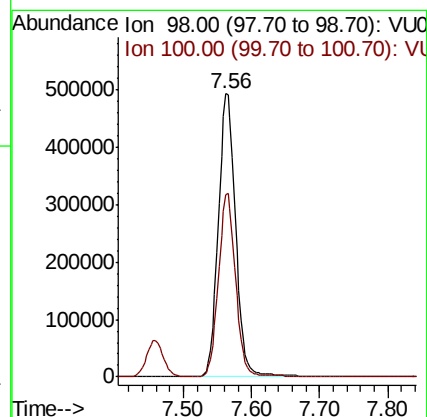
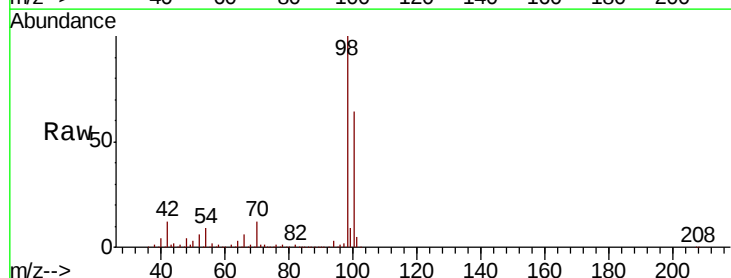
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

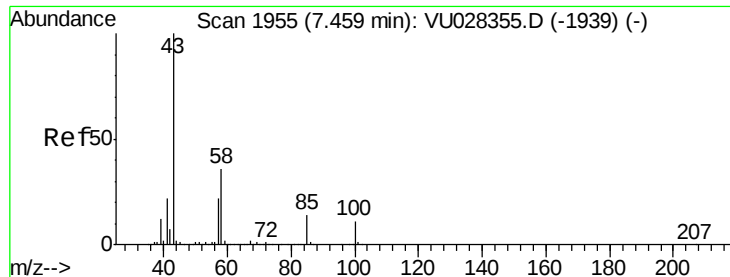
Tot Ion: 88 Resp: 59208
Ion Ratio Lower Upper
88 100
43 32.6 32.6 48.8
58 74.0 68.7 103.1



#50
Toluene-d8
Concen: 56.471 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 98 Resp: 871080
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 99.792 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

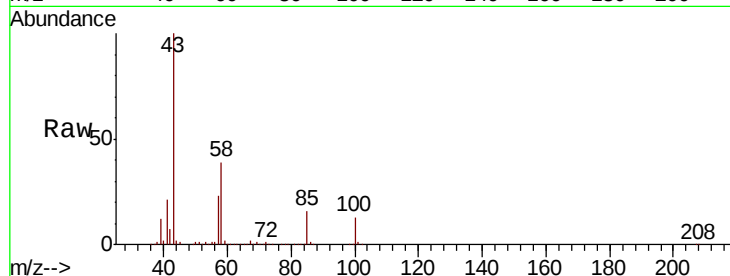
VU1205WBS01

Tot Ion: 43 Resp: 873622

Ion Ratio Lower Upper

43 100

58 38.9 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

500000

400000

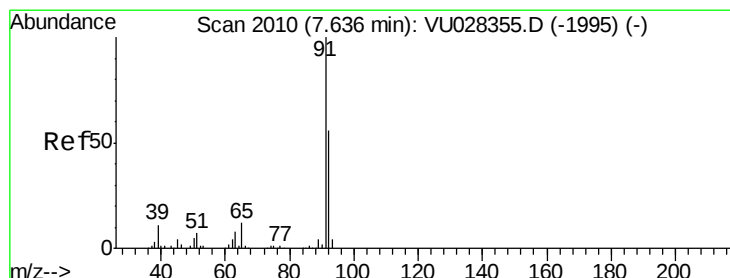
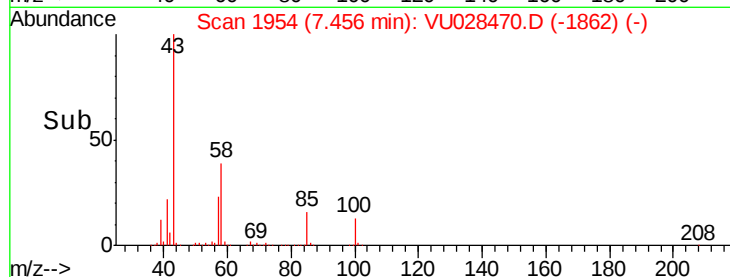
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 23.267 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028470.D

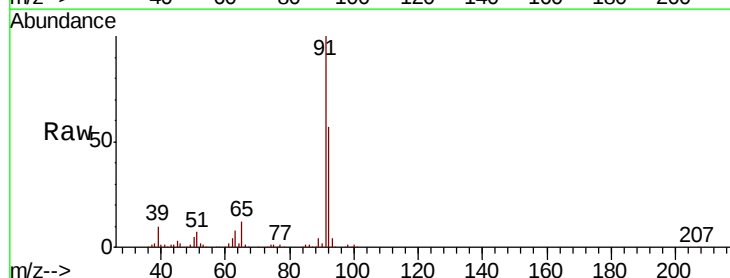
Acq: 05 Dec 2018 11:19

Tgt Ion: 92 Resp: 251869

Ion Ratio Lower Upper

92 100

91 172.9 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)

7.64

300000

250000

200000

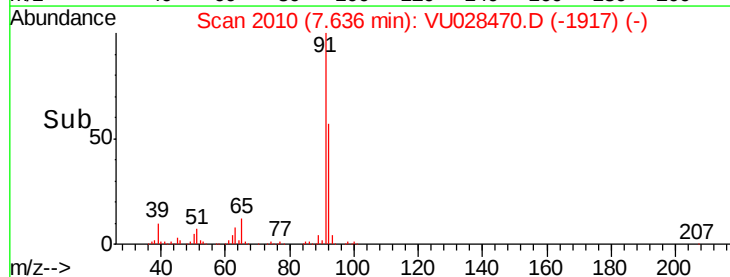
150000

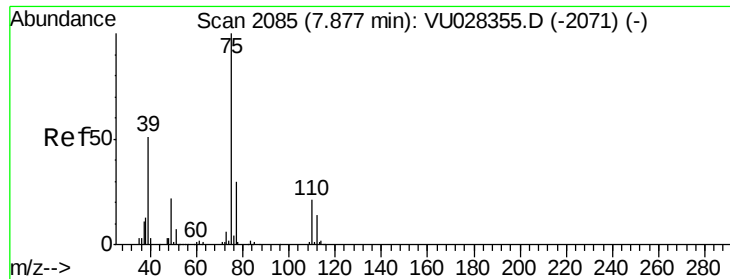
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.672 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

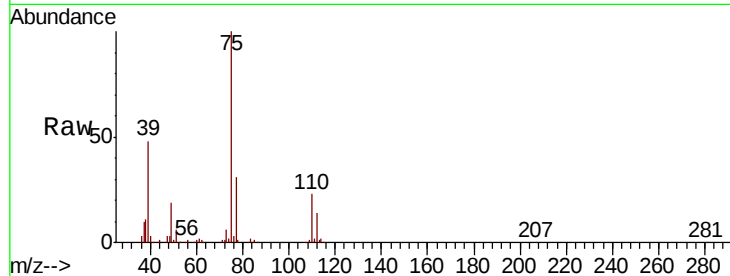
VU1205WBS01

Tot Ion: 75 Resp: 162996

Ion Ratio Lower Upper

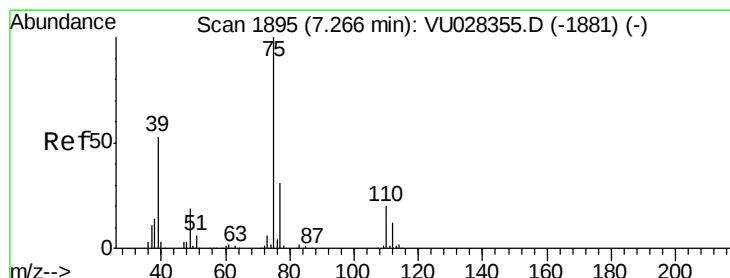
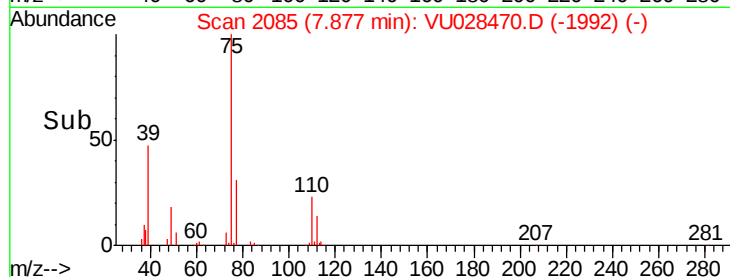
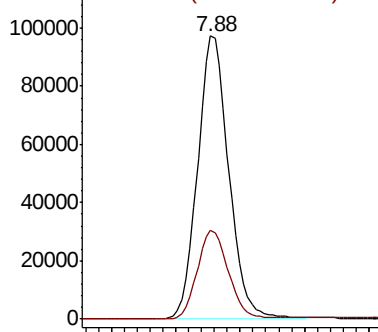
75 100

77 31.2 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 21.659 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

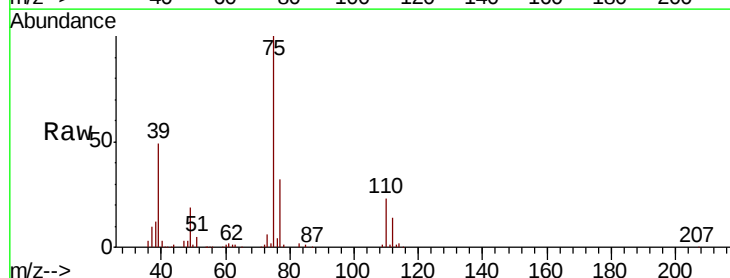
Tgt Ion: 75 Resp: 174517

Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3

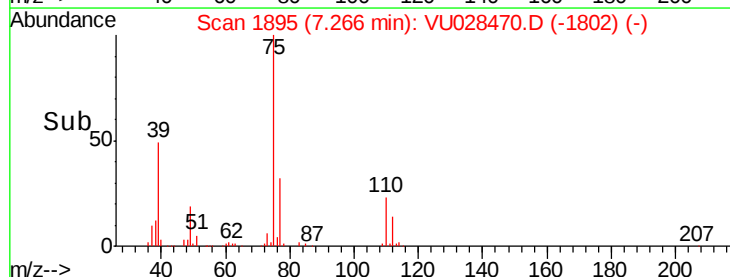
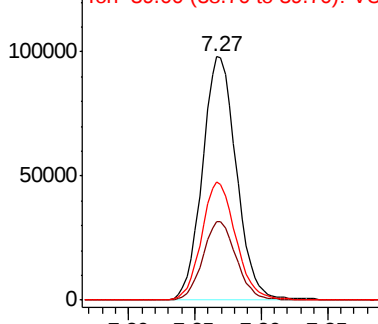
39 48.6 42.6 64.0

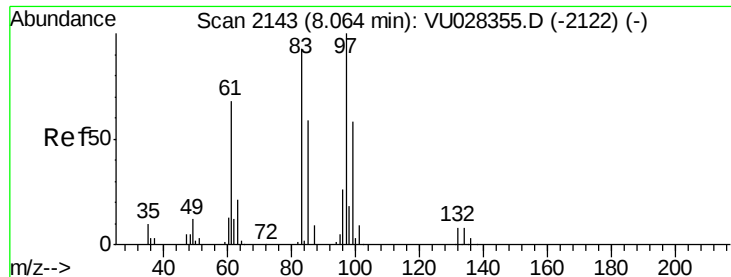


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

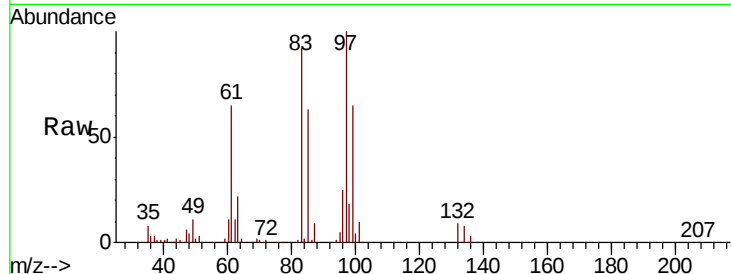




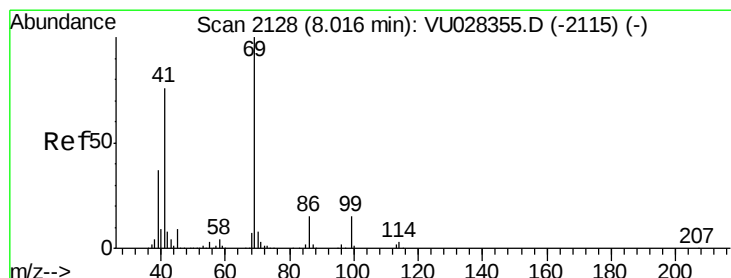
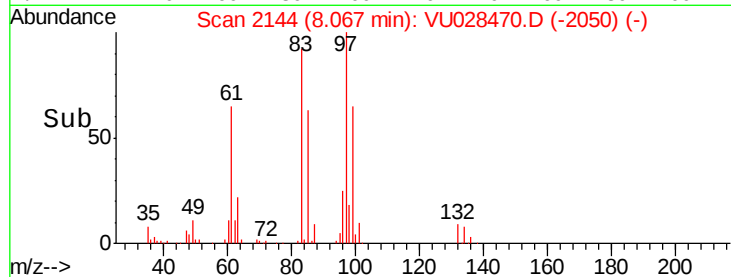
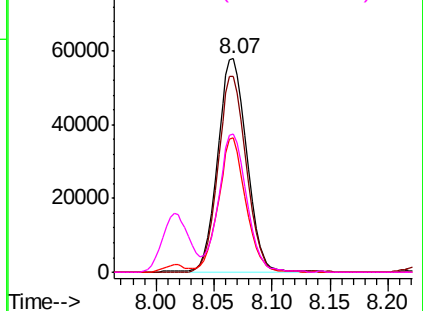
#55
 1,1,2-Trichloroethane
 Concen: 22.527 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

Tot Ion: 97 Resp: 101491
 Ion Ratio Lower Upper
 97 100
 83 91.5 74.3 111.5
 85 62.7 47.2 70.8
 99 64.8 48.9 73.3

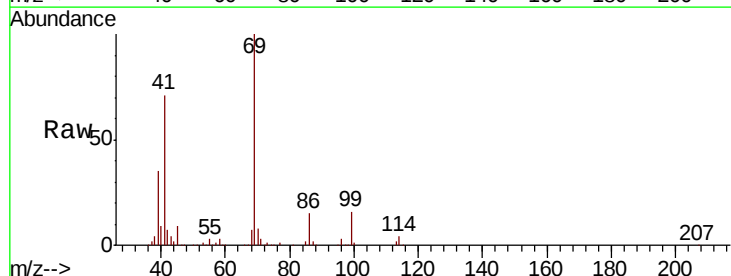


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

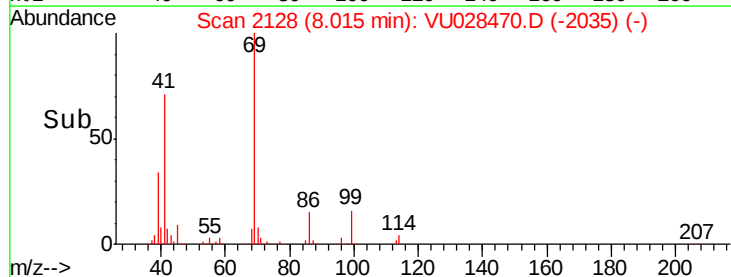
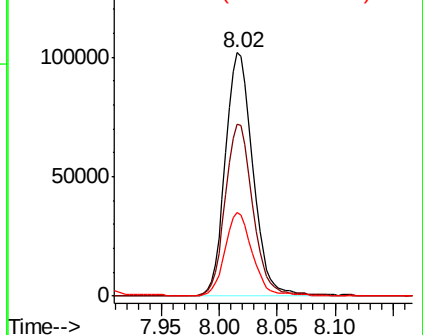


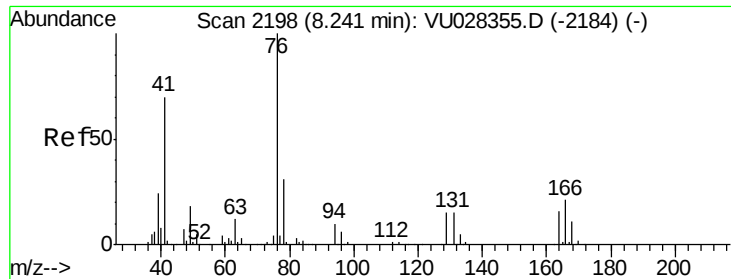
#56
 Ethyl methacrylate
 Concen: 21.908 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 69 Resp: 167915
 Ion Ratio Lower Upper
 69 100
 41 71.2 60.0 90.0
 39 33.3 29.0 43.6



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





#57

1,3-Dichloropropane

Concen: 21.700 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

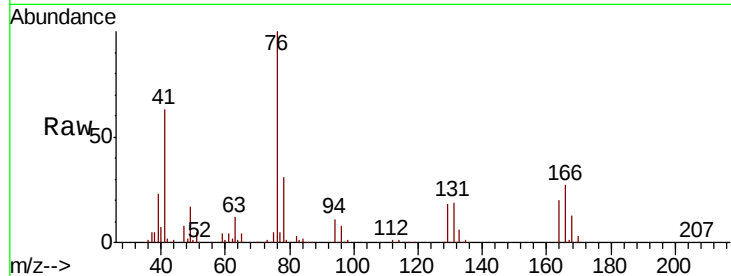
VU1205WBS01

Tot Ion: 76 Resp: 179287

Ion Ratio Lower Upper

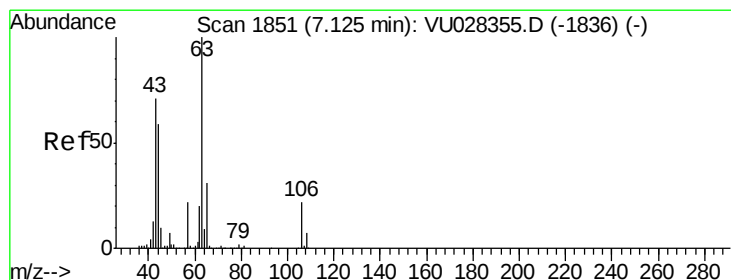
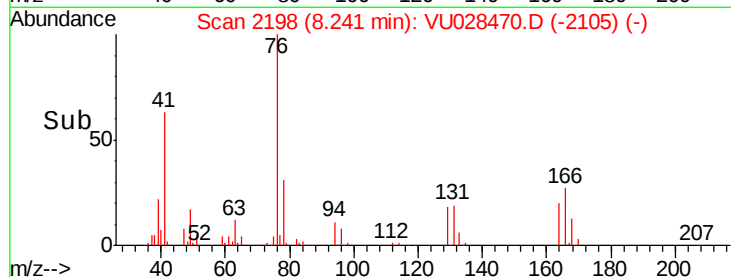
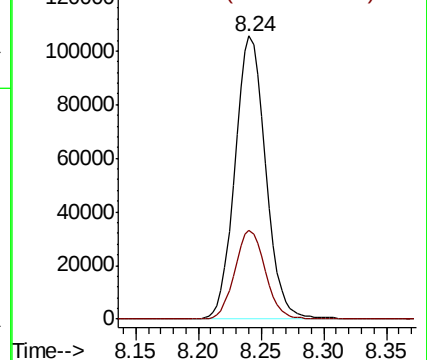
76 100

78 31.3 25.4 38.0



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: 103.944 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028470.D

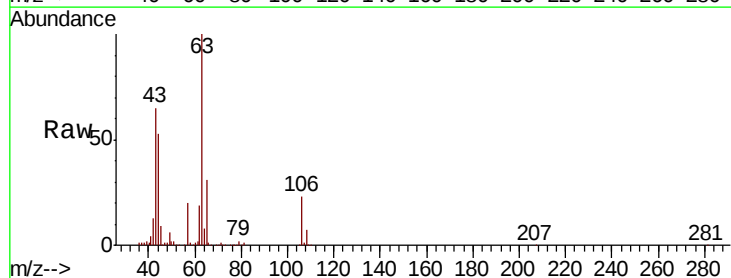
Acq: 05 Dec 2018 11:19

Tgt Ion: 63 Resp: 427732

Ion Ratio Lower Upper

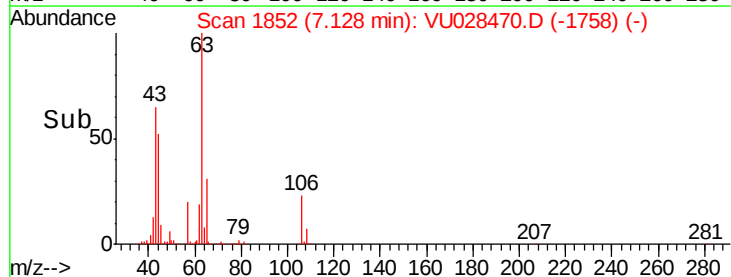
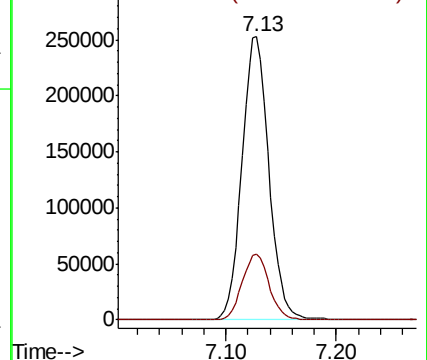
63 100

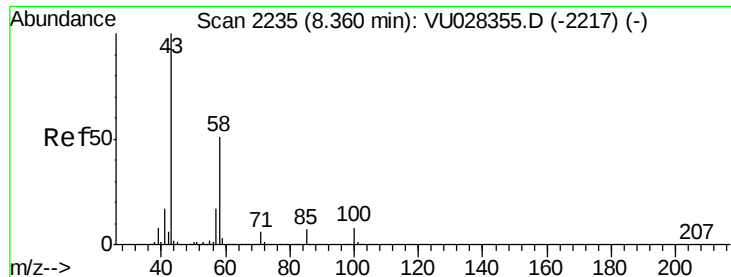
106 23.3 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

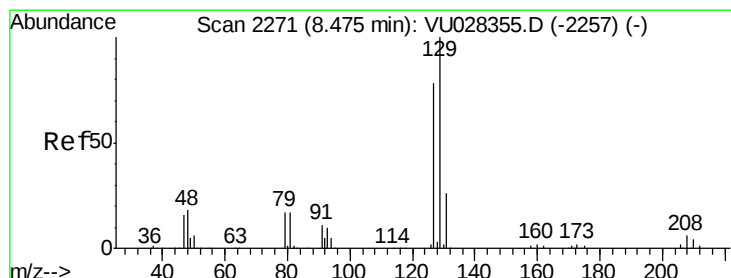
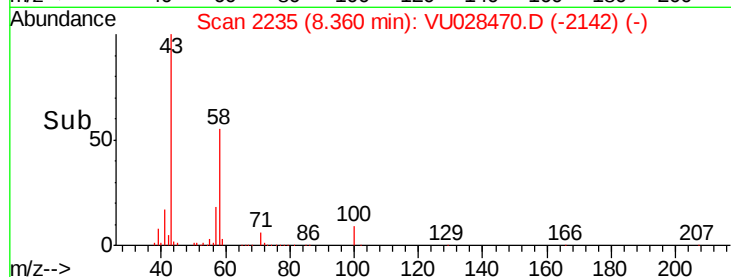
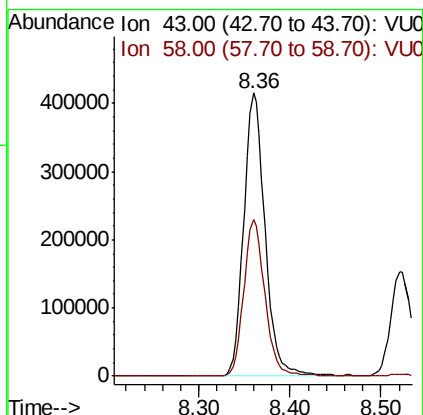
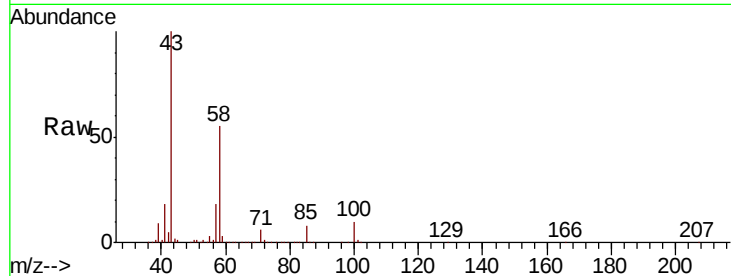




#59
2-Hexanone
Concen: 99.871 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

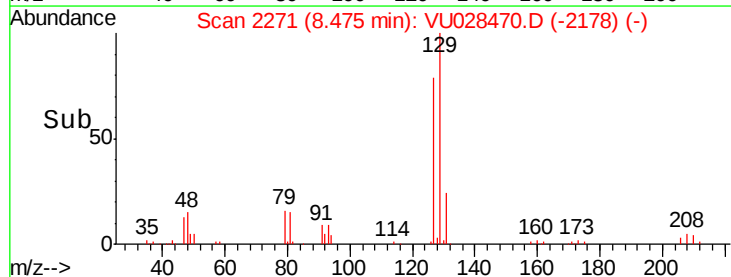
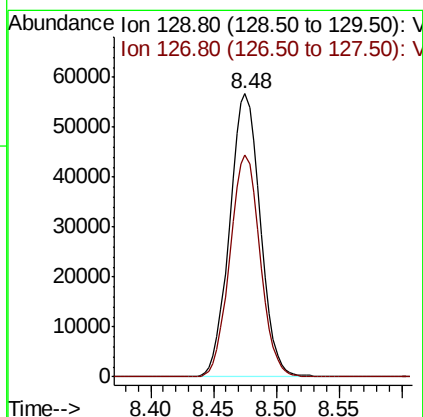
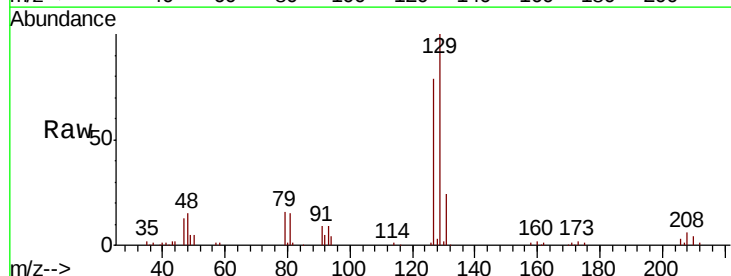
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

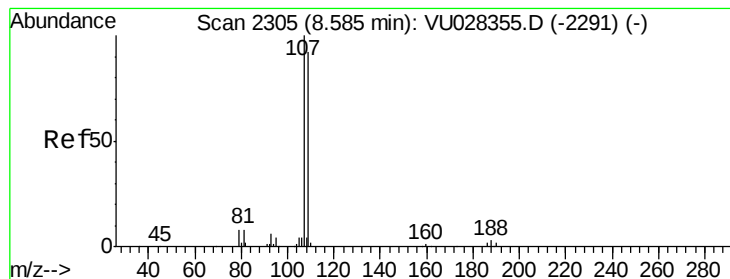
Tot Ion: 43 Resp: 677243
Ion Ratio Lower Upper
43 100
58 55.0 25.5 76.5



#60
Dibromochloromethane
Concen: 22.498 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 129 Resp: 96403
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 23.460 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

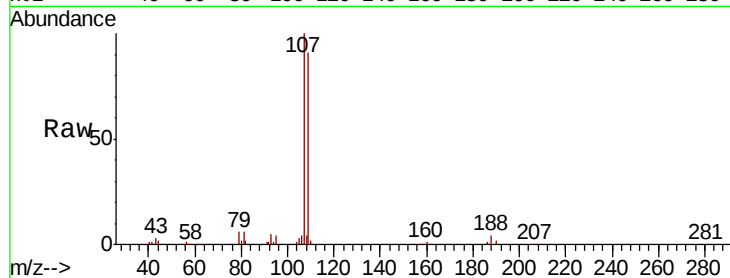
VU1205WBS01

Tot Ion:107 Resp: 108251

Ion Ratio Lower Upper

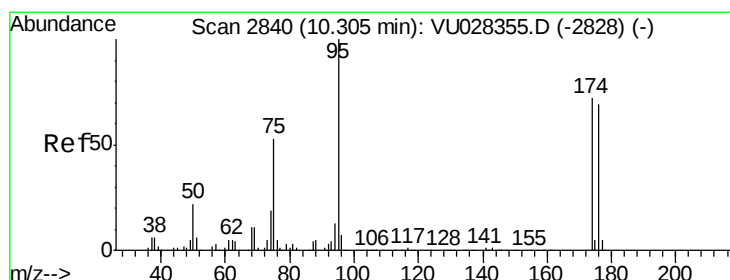
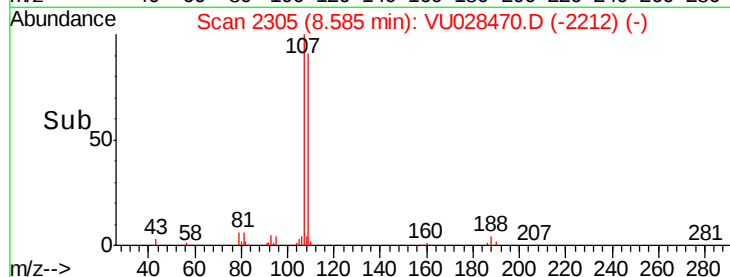
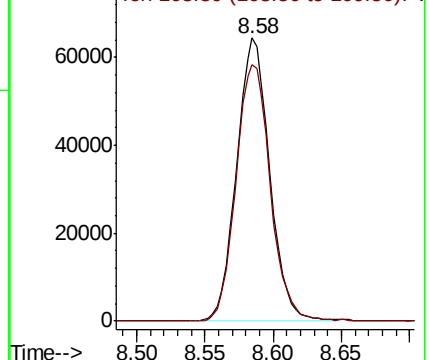
107 100

109 94.2 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 58.578 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

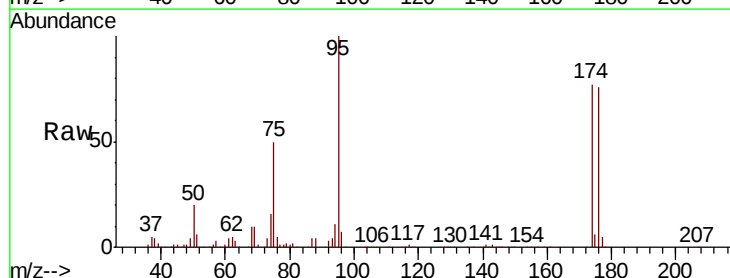
Tgt Ion: 95 Resp: 325674

Ion Ratio Lower Upper

95 100

174 77.6 0.0 145.4

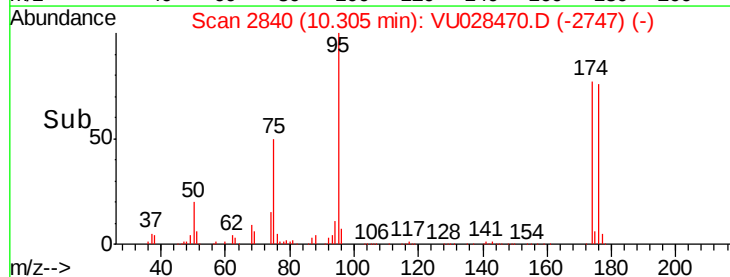
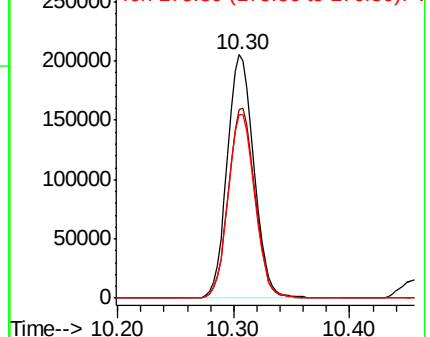
176 75.5 0.0 140.8

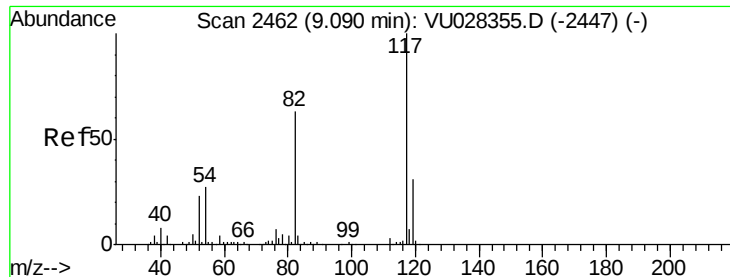


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

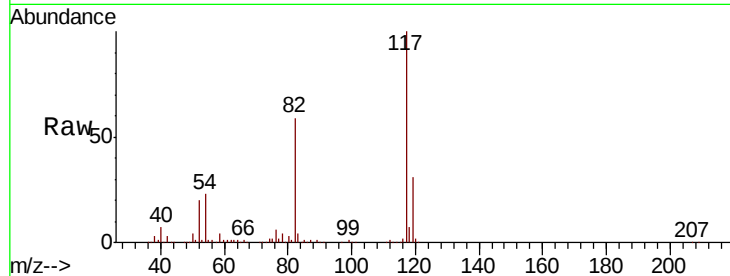




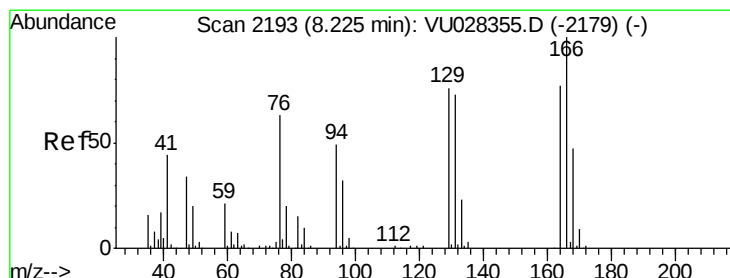
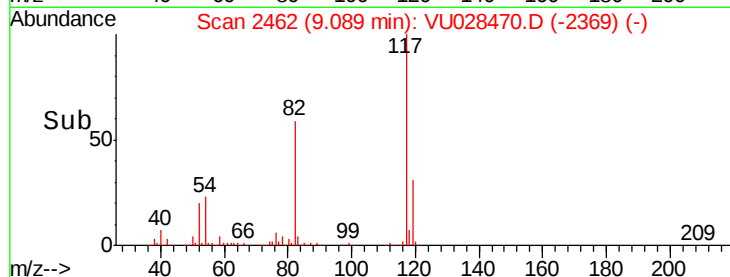
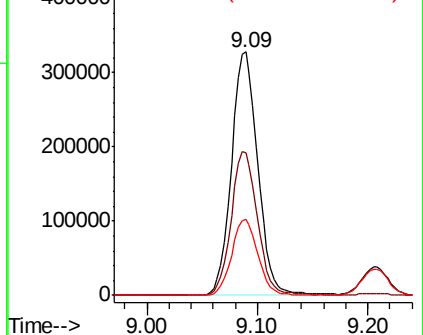
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion:117 Resp: 545060
Ion Ratio Lower Upper
117 100
82 58.6 50.3 75.5
119 31.3 24.8 37.2

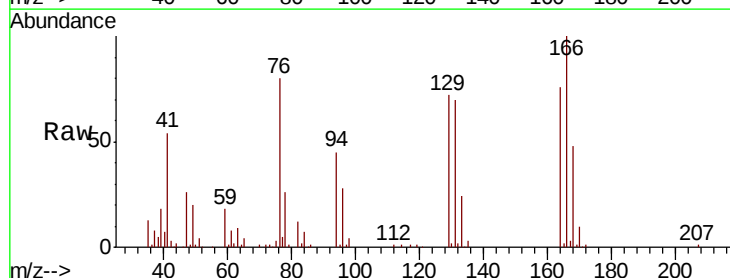


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

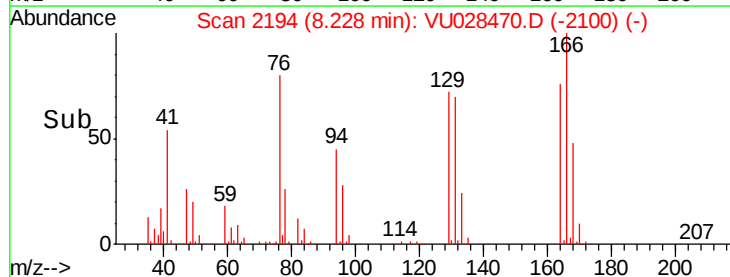
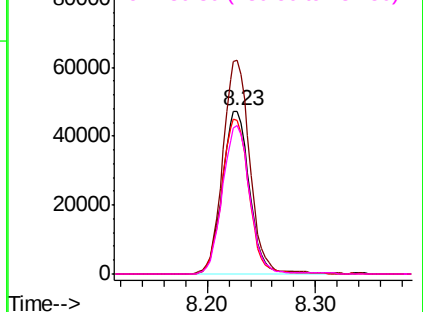


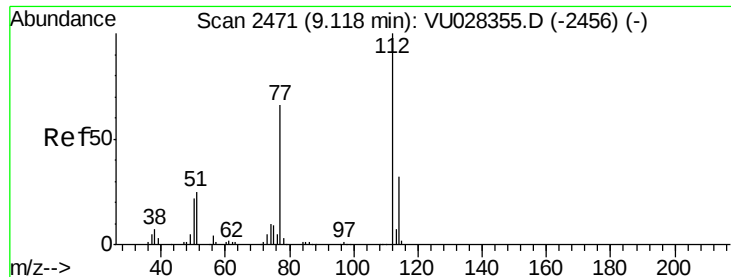
#64
Tetrachloroethene
Concen: 23.122 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:164 Resp: 82900
Ion Ratio Lower Upper
164 100
166 131.0 104.0 156.0
129 94.2 79.2 118.8
131 91.3 75.7 113.5



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

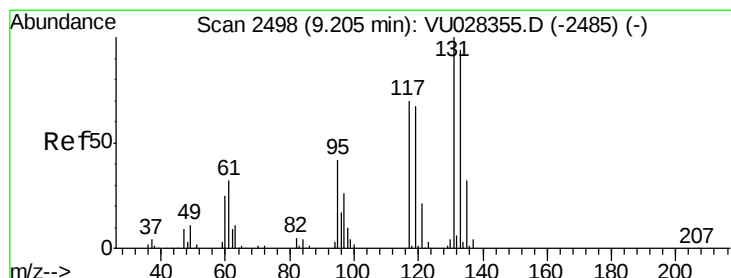
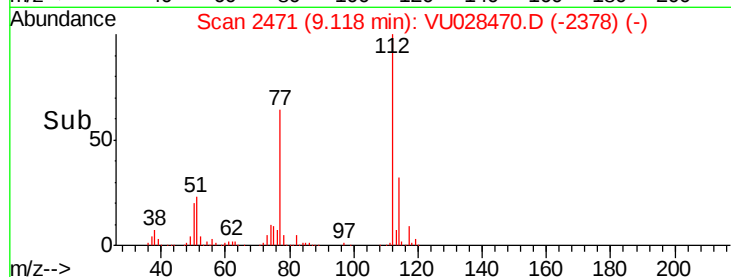
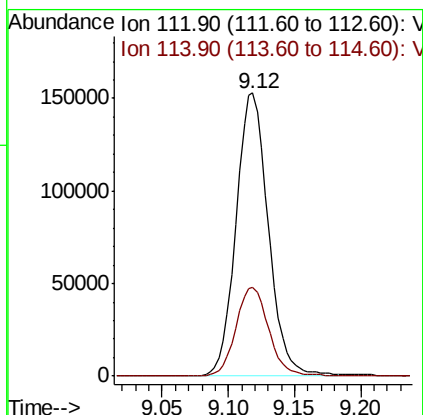
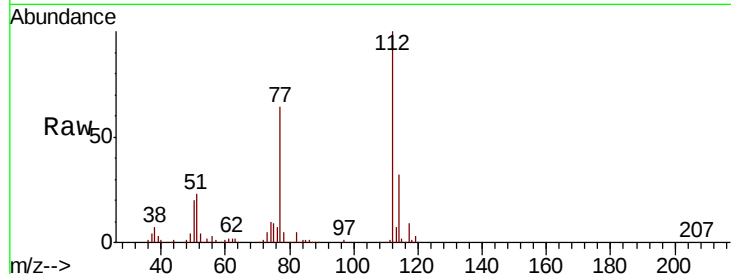




#65
Chlorobenzene
Concen: 22.860 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

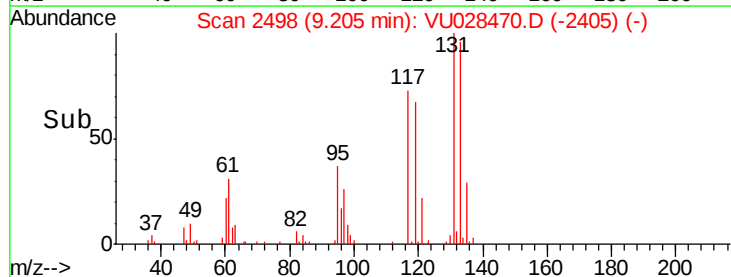
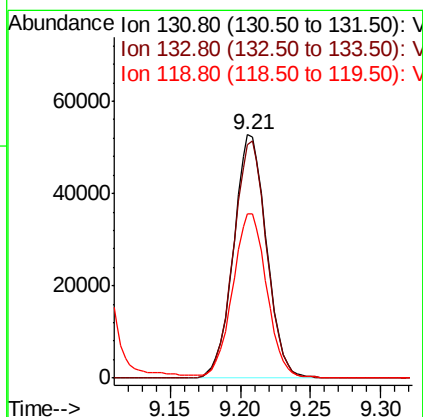
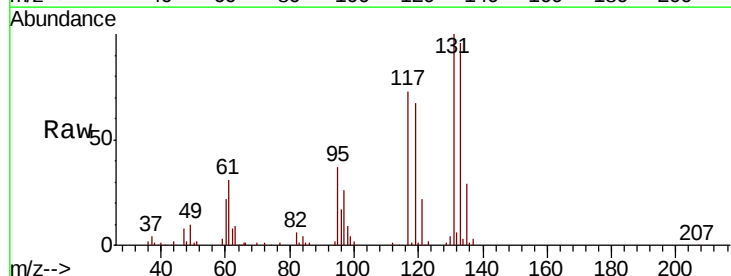
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

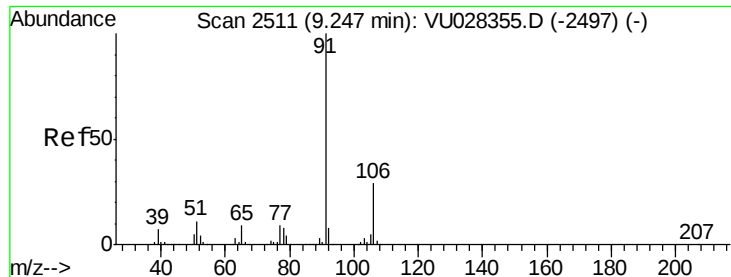
Tot Ion:112 Resp: 258727
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.308 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:131 Resp: 86541
Ion Ratio Lower Upper
131 100
133 97.7 47.3 141.8
119 70.1 34.1 102.2

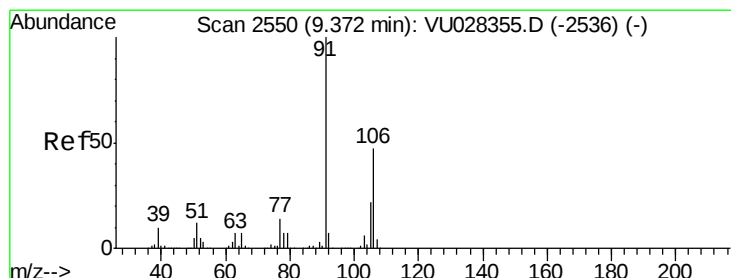
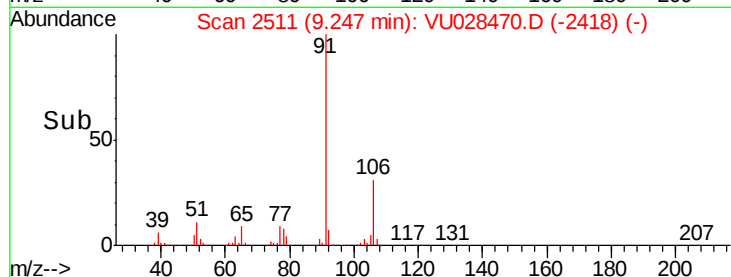
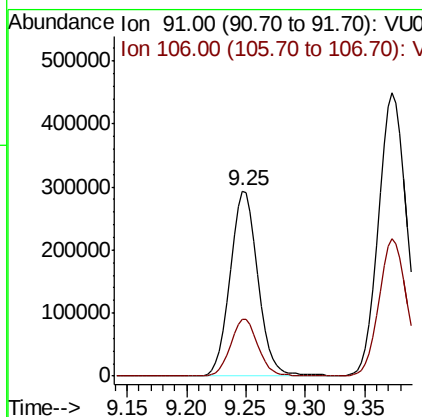
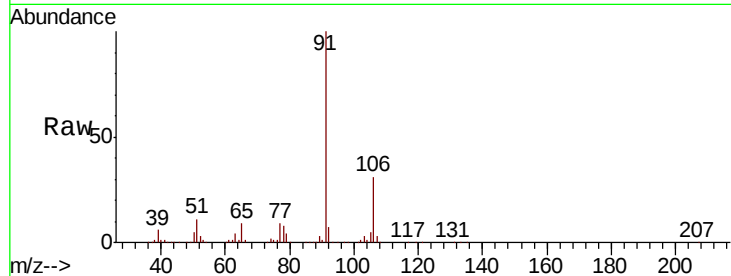




#67
Ethyl Benzene
Concen: 22.410 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

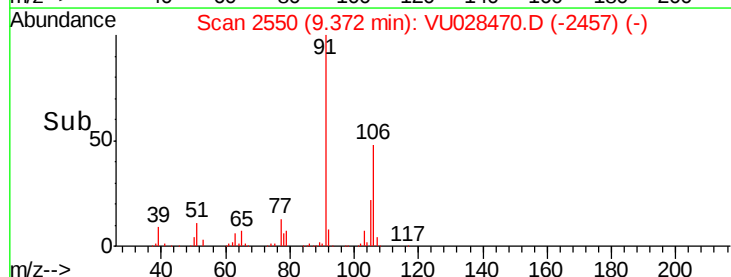
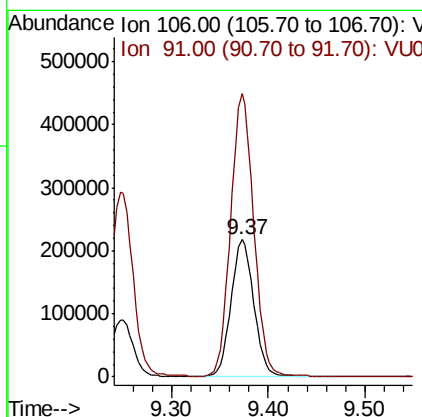
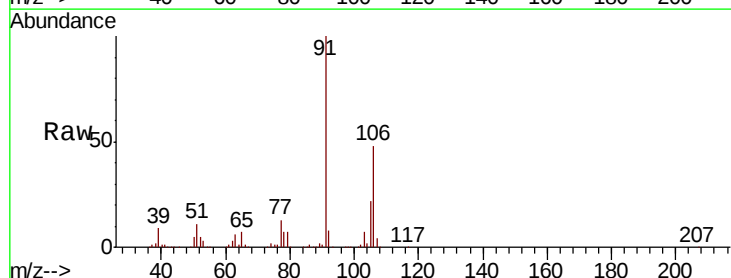
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

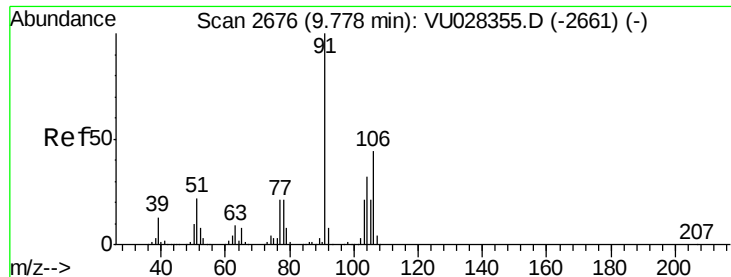
Tot Ion: 91 Resp: 477687
Ion Ratio Lower Upper
91 100
106 31.1 23.3 34.9



#68
m/p-Xylenes
Concen: 46.649 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 106 Resp: 357912
Ion Ratio Lower Upper
106 100
91 206.7 171.0 256.6

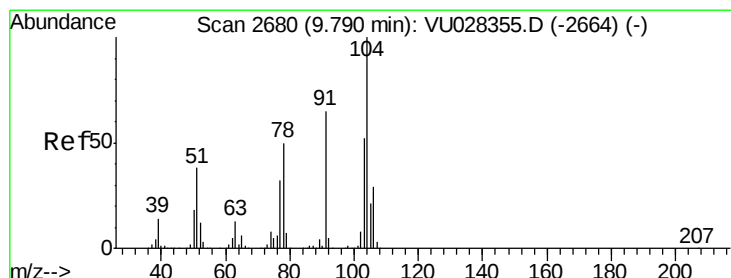
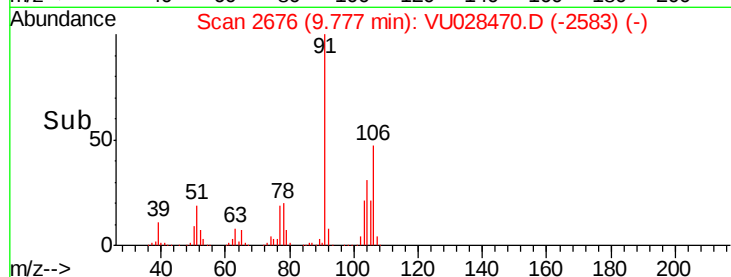
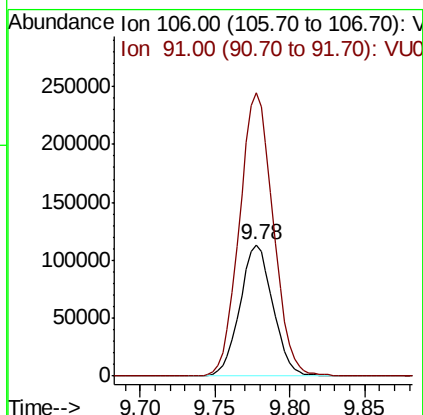
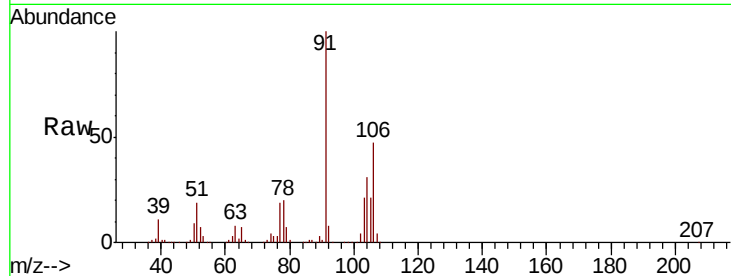




#69
o-Xylene
Concen: 22.828 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

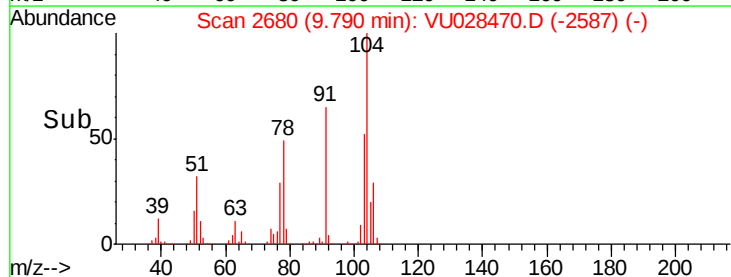
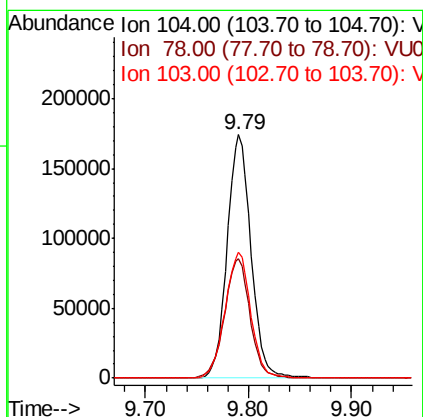
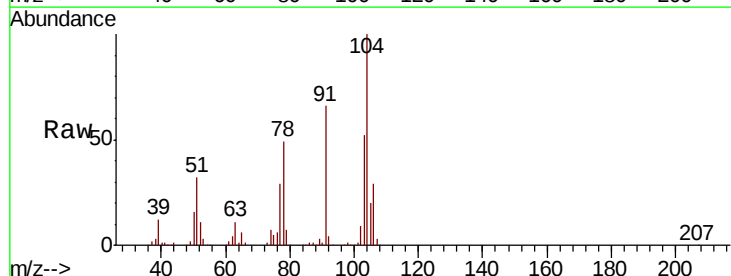
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

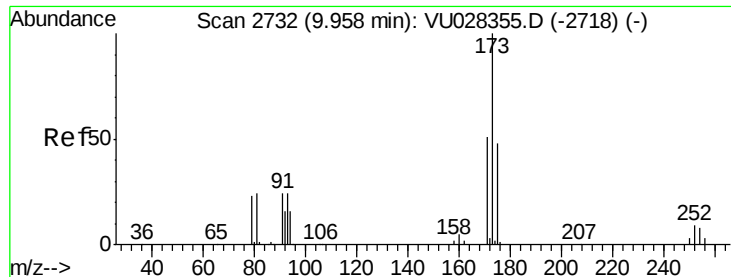
Tot Ion:106 Resp: 174112
Ion Ratio Lower Upper
106 100
91 221.5 112.7 338.0



#70
Styrene
Concen: 22.883 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:104 Resp: 281476
Ion Ratio Lower Upper
104 100
78 52.3 43.3 64.9
103 55.3 44.8 67.2





#71

Bromoform

Concen: 21.998 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

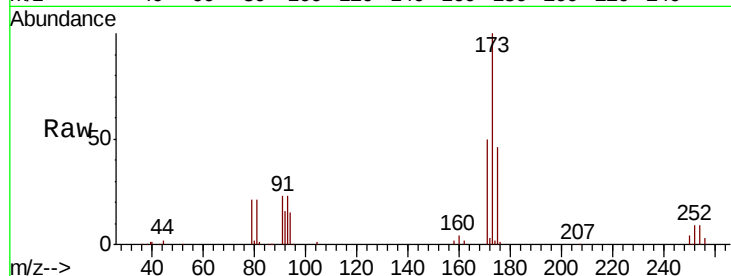
Tot Ion:173 Resp: 71732

Ion Ratio Lower Upper

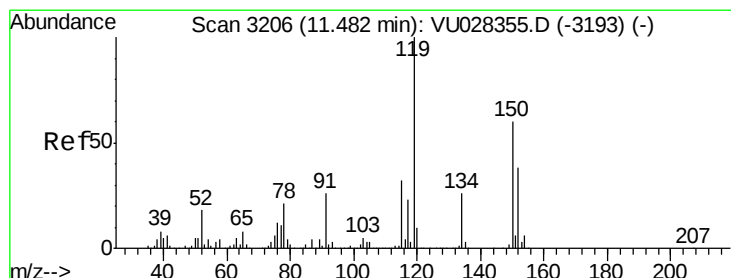
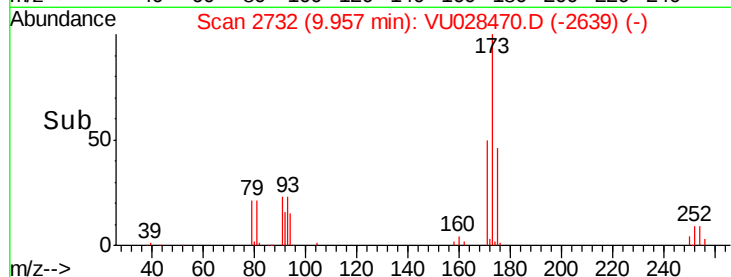
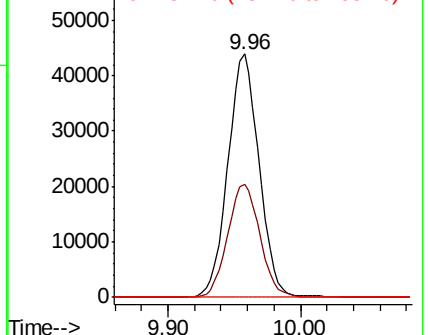
173 100

175 48.0 24.1 72.4

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: VU028470.D

Acq: 05 Dec 2018 11:19

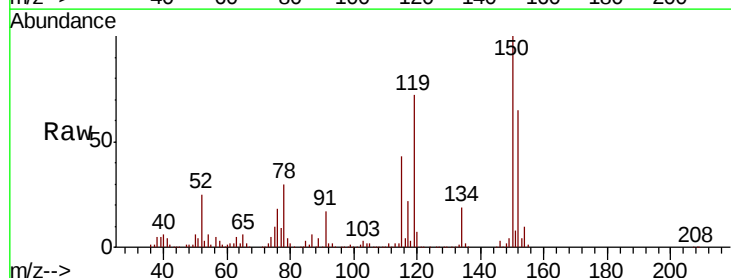
Tgt Ion:152 Resp: 267381

Ion Ratio Lower Upper

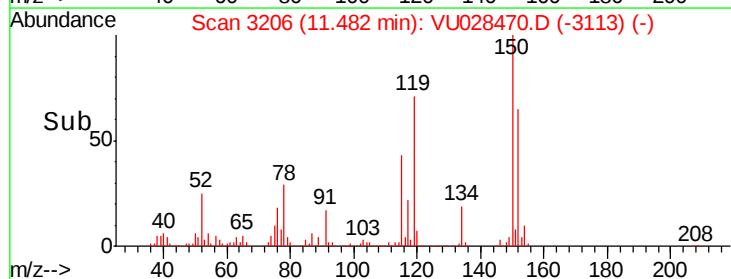
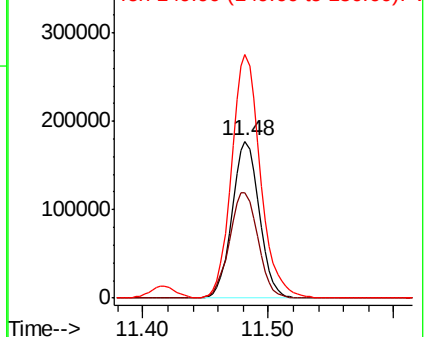
152 100

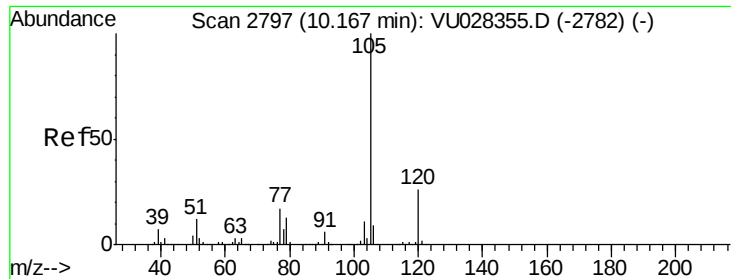
115 70.7 45.0 134.8

150 163.4 0.0 349.2



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: 22.271 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

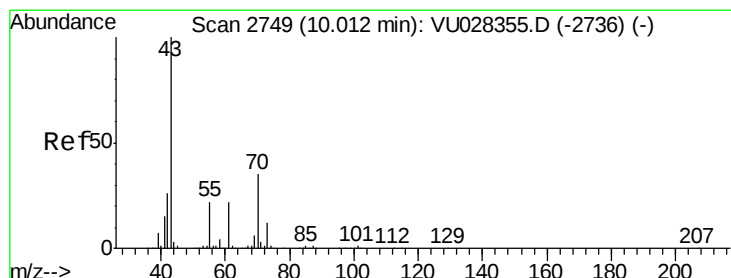
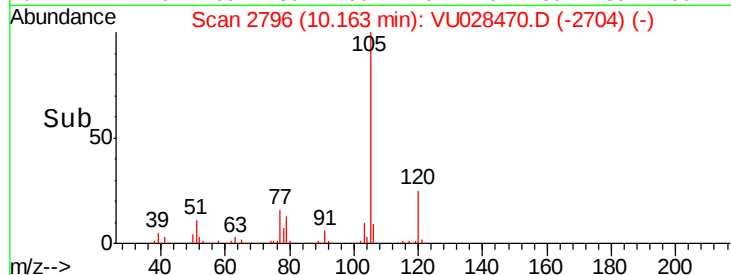
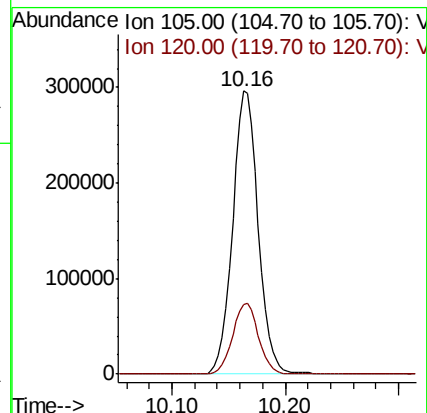
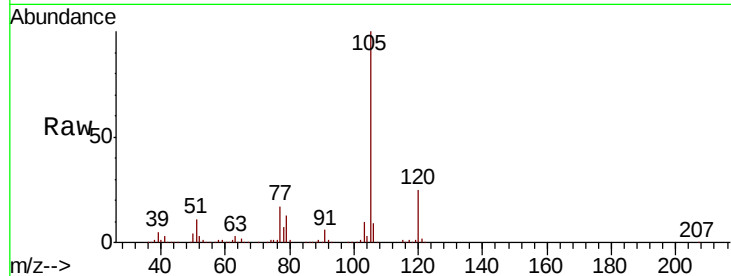
VU1205WBS01

Tot Ion:105 Resp: 463145

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 18.457 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Tgt Ion: 43 Resp: 240485

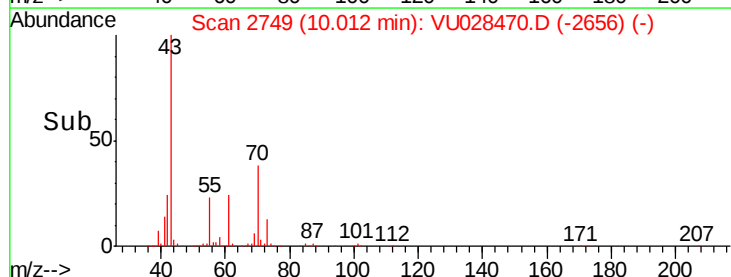
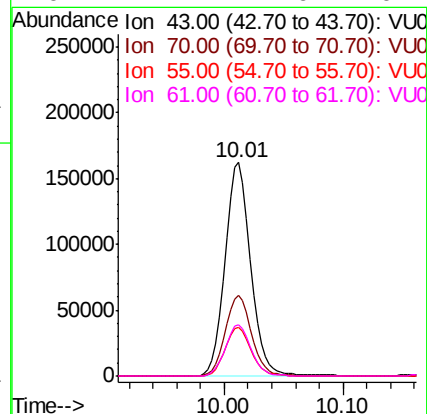
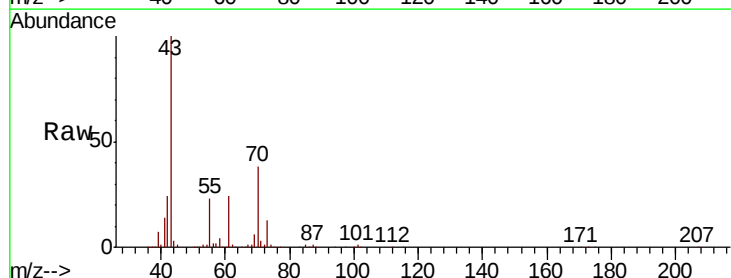
Ion Ratio Lower Upper

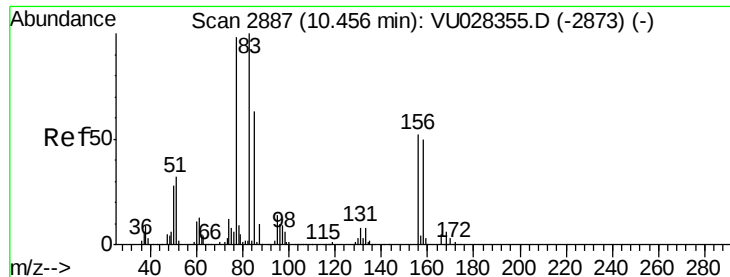
43 100

70 38.5 28.4 42.6

55 23.6 18.0 27.0

61 24.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.802 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

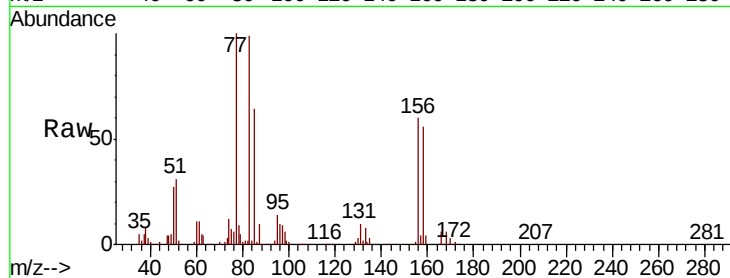
Tot Ion: 83 Resp: 169338

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.2

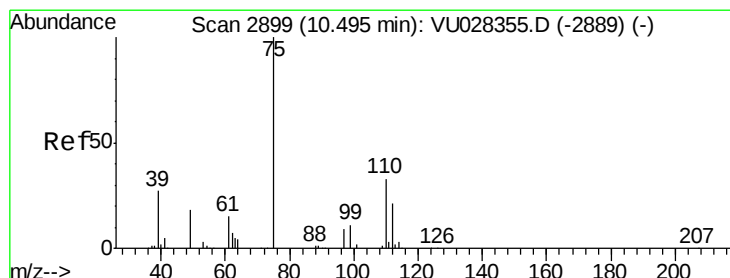
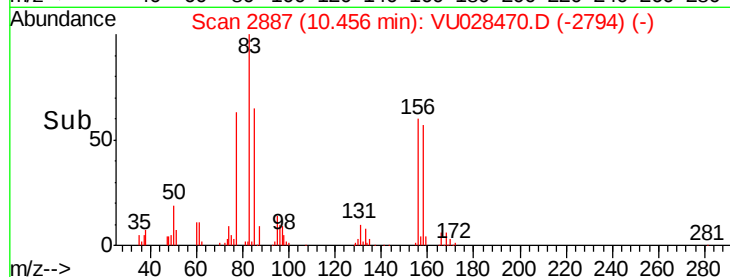
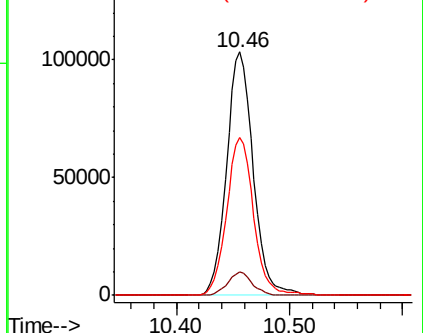
85 65.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028470.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028470.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028470.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 28.198 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028470.D

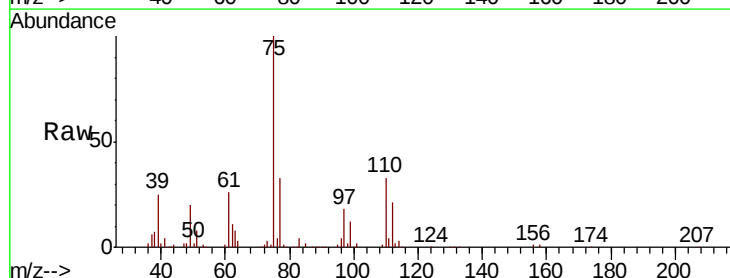
Acq: 05 Dec 2018 11:19

Tgt Ion: 75 Resp: 209083

Ion Ratio Lower Upper

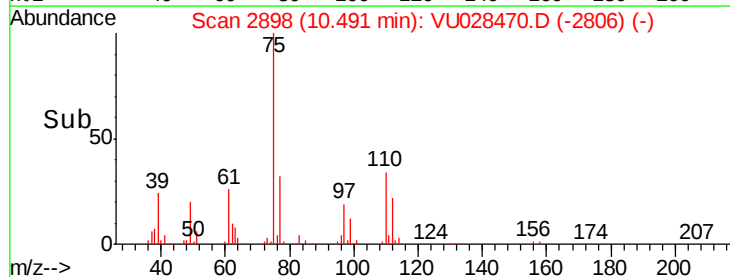
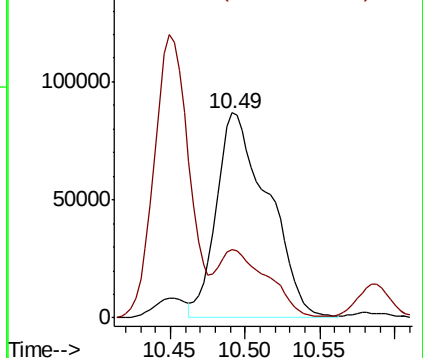
75 100

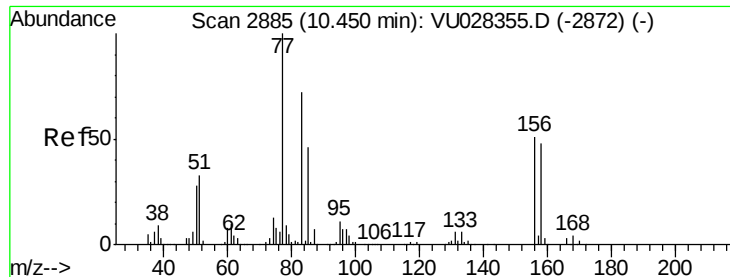
77 30.9 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU028470.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028470.D (-2806) (-)





#77

Bromobenzene

Concen: 22.467 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

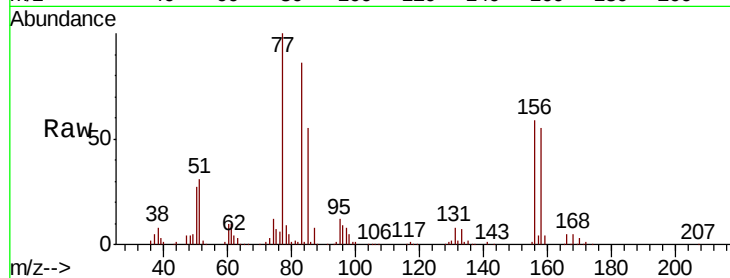
Tot Ion:156 Resp: 110092

Ion Ratio Lower Upper

156 100

77 175.3 97.0 290.9

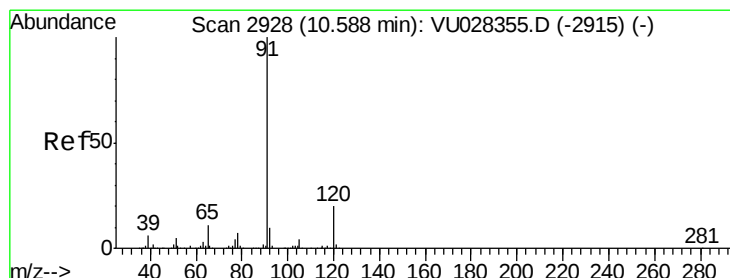
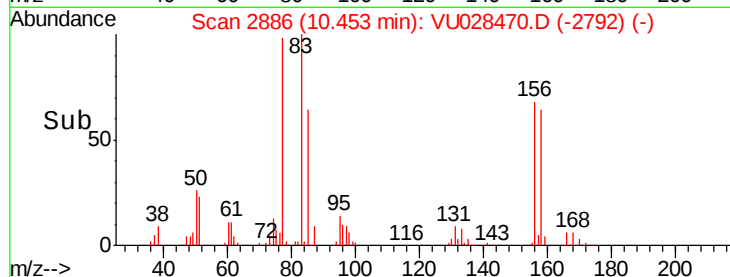
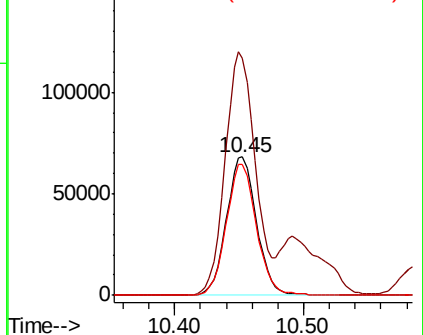
158 95.1 46.8 140.4



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: 21.683 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028470.D

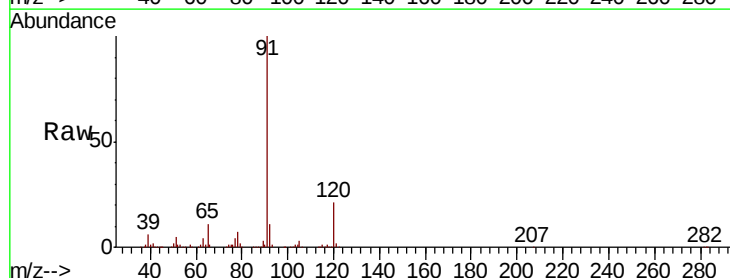
Acq: 05 Dec 2018 11:19

Tgt Ion: 91 Resp: 556259

Ion Ratio Lower Upper

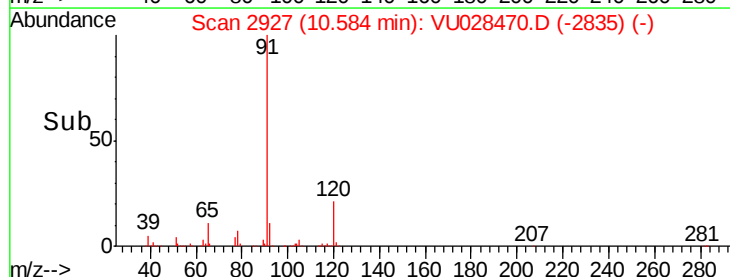
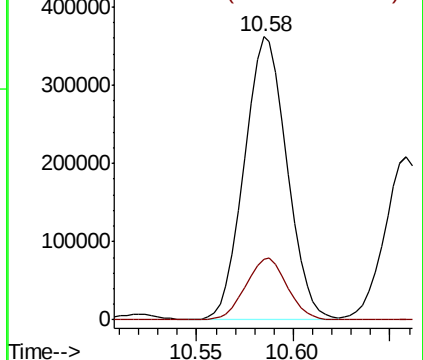
91 100

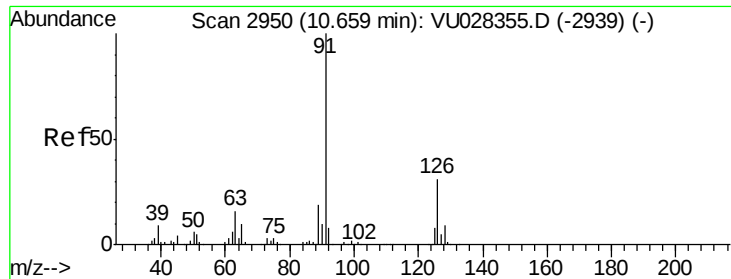
120 21.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

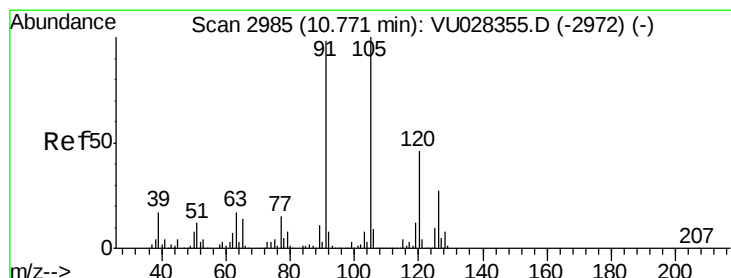
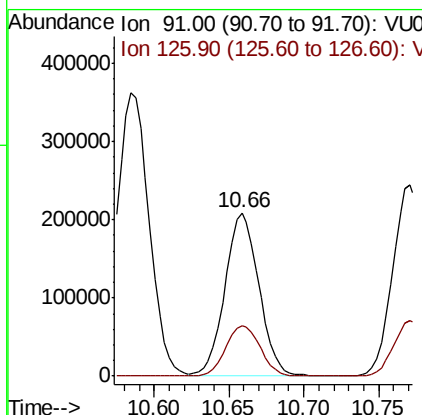
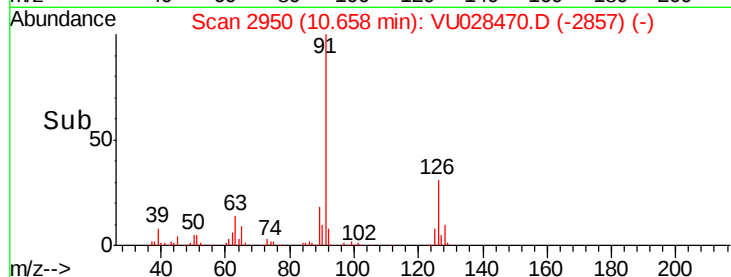
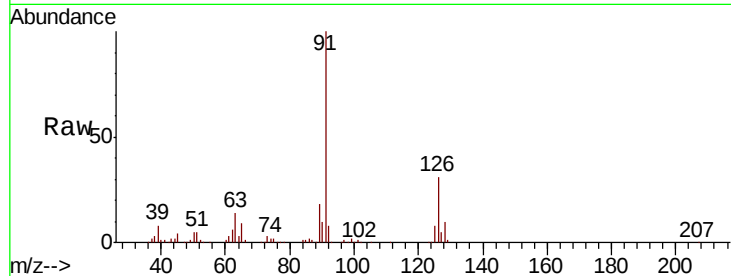




#79
 2-Chlorotoluene
 Concen: 21.835 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

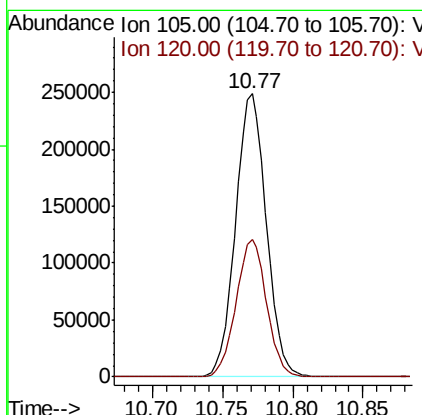
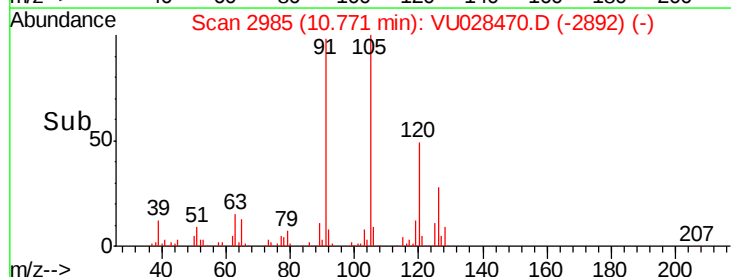
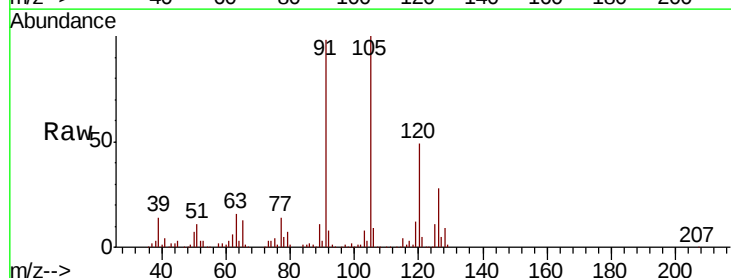
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

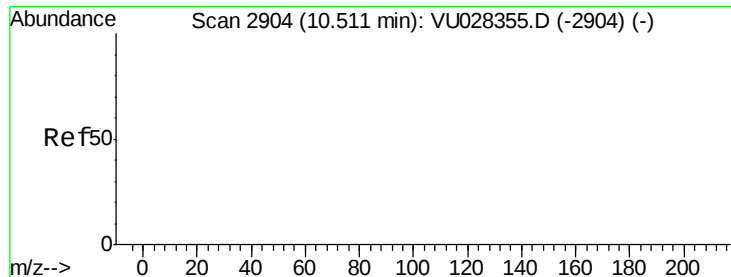
Tot Ion: 91 Resp: 330218
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.4 46.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.719 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion: 105 Resp: 380609
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.4 70.0

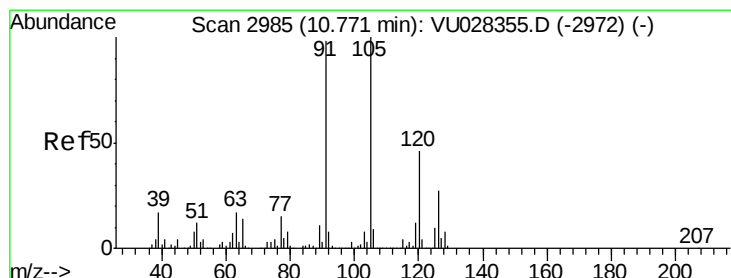
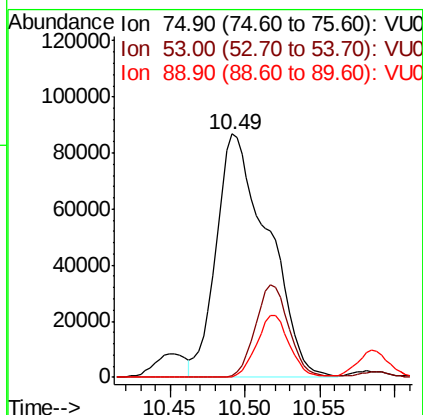
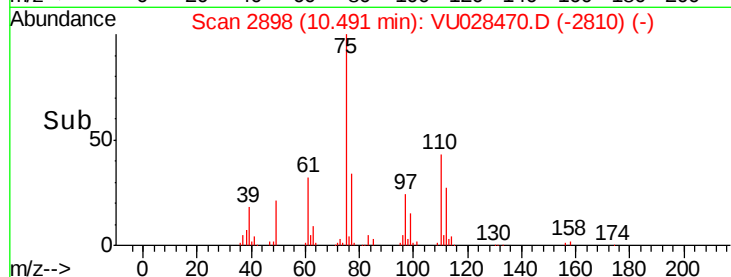
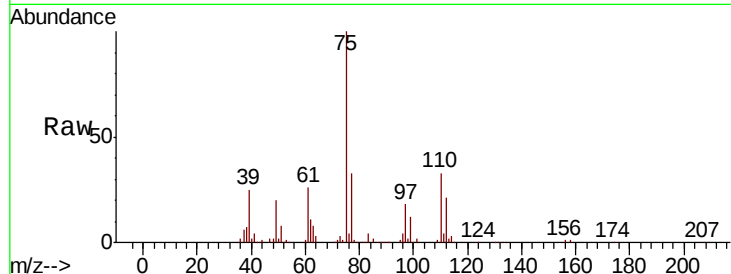




#81
trans-1,4-Dichloro-2-butene
Concen: 74.853 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

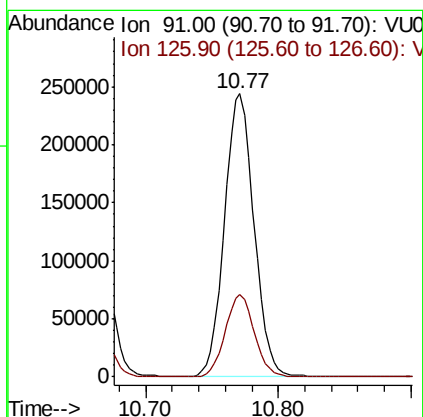
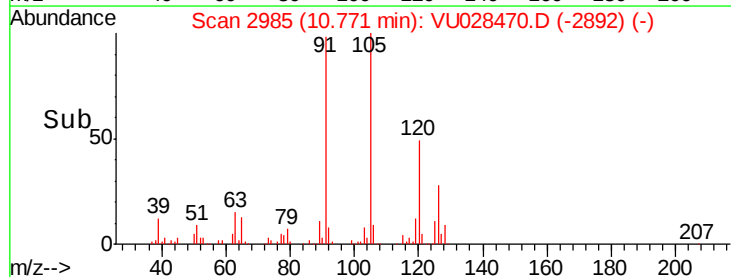
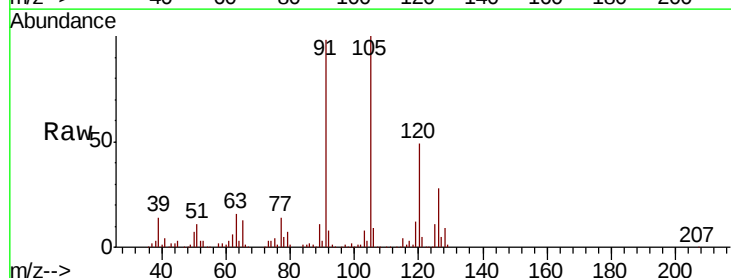
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

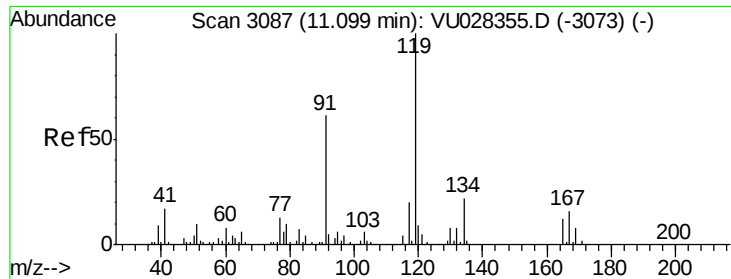
Tot Ion: 75 Resp: 209083
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.603 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 91 Resp: 376409
Ion Ratio Lower Upper
91 100
126 28.6 13.9 41.6

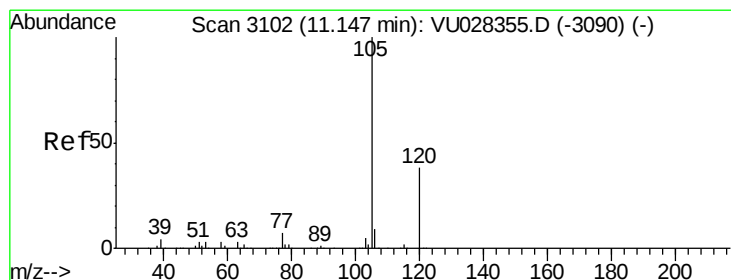
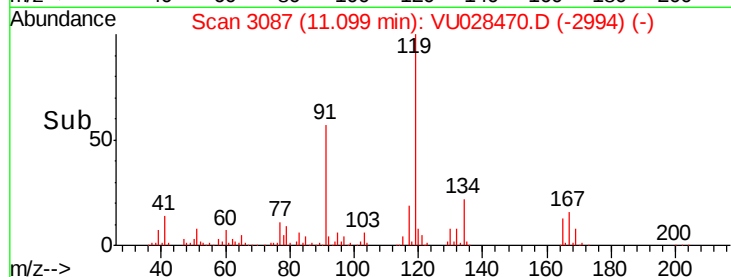
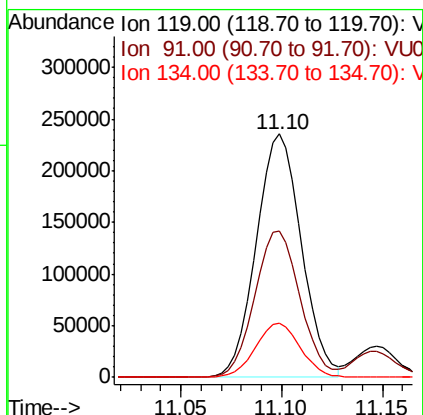
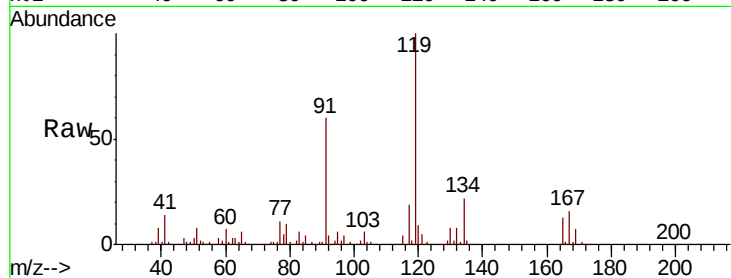




#83
tert-Butylbenzene
Concen: 22.511 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

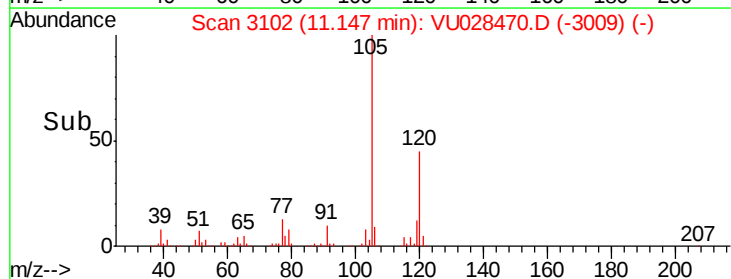
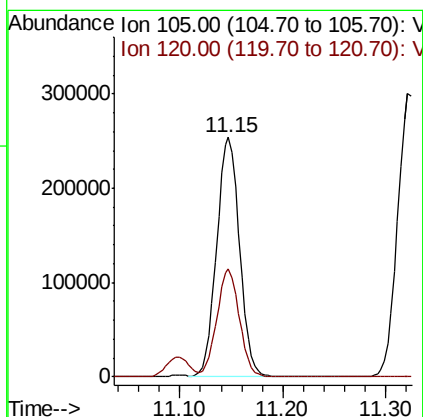
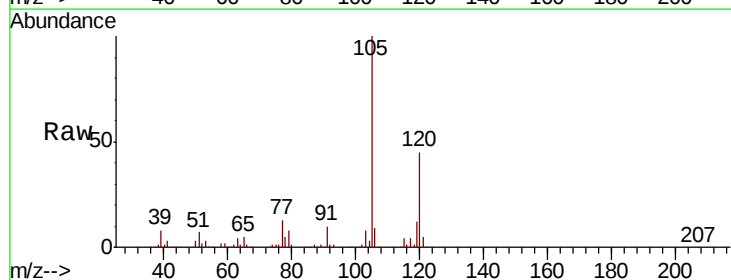
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

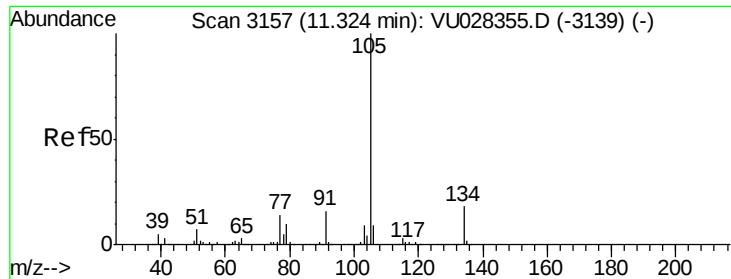
Tot Ion:119 Resp: 367749
Ion Ratio Lower Upper
119 100
91 60.6 30.8 92.4
134 22.0 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 22.052 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:105 Resp: 391428
Ion Ratio Lower Upper
105 100
120 44.3 21.4 64.3





#85

sec-Butylbenzene

Concen: 22.011 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

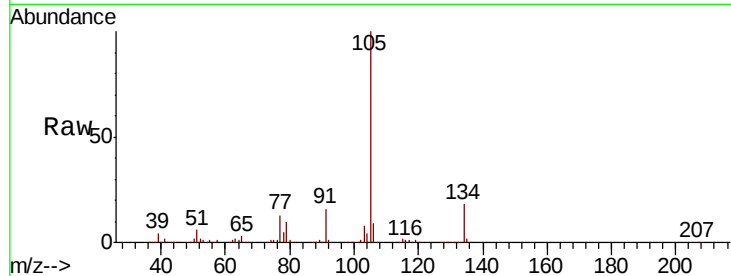
VU1205WBS01

Tot Ion:105 Resp: 467035

Ion Ratio Lower Upper

105 100

134 18.5 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

300000

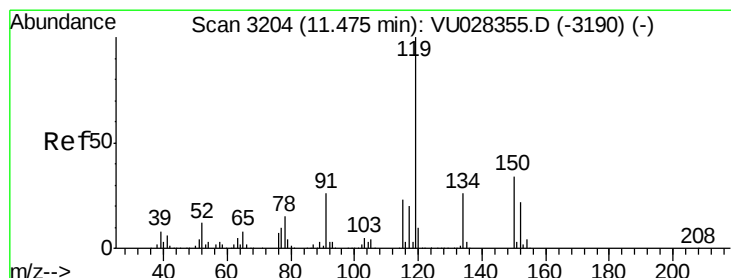
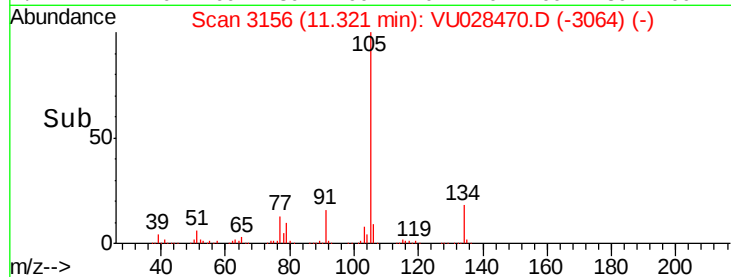
200000

100000

0

Time-->

11.30 11.40



#86

p-Isopropyltoluene

Concen: 22.542 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

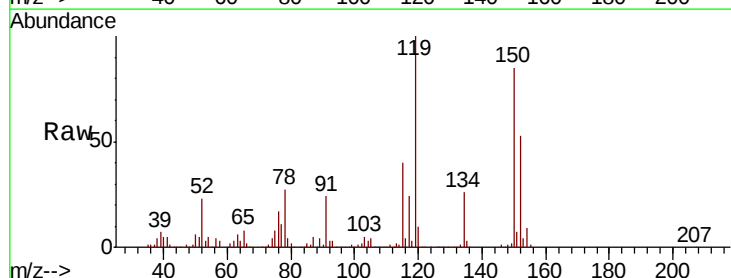
Tgt Ion:119 Resp: 393283

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.6 13.1 39.1



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

11.48

300000

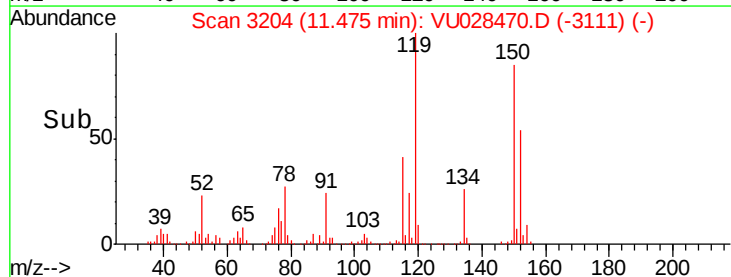
200000

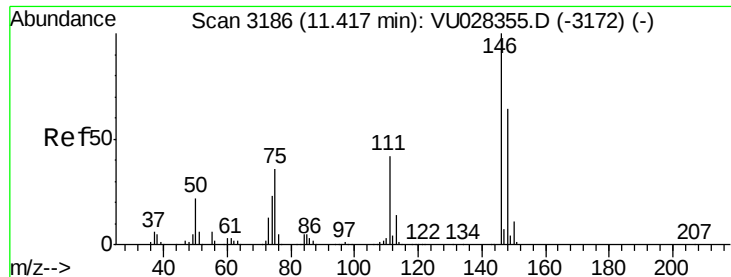
100000

0

Time-->

11.40 11.45 11.50 11.55

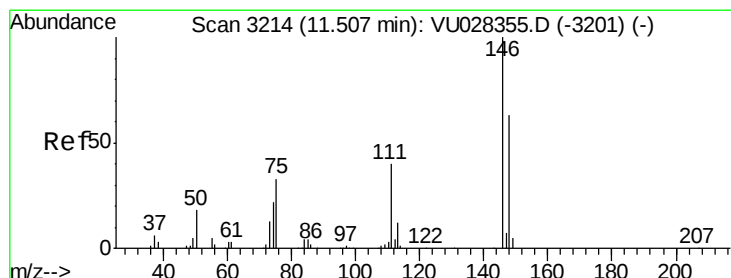
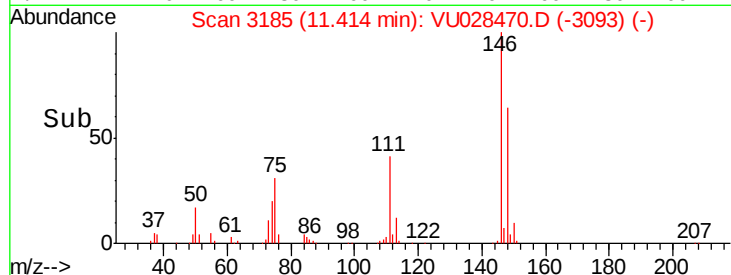
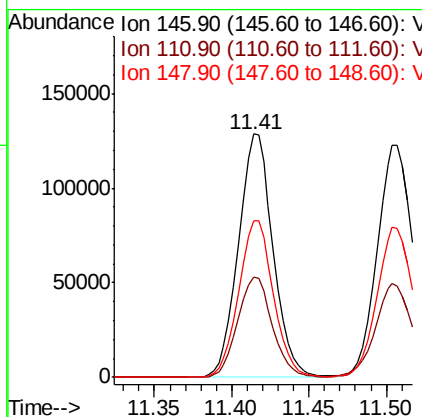
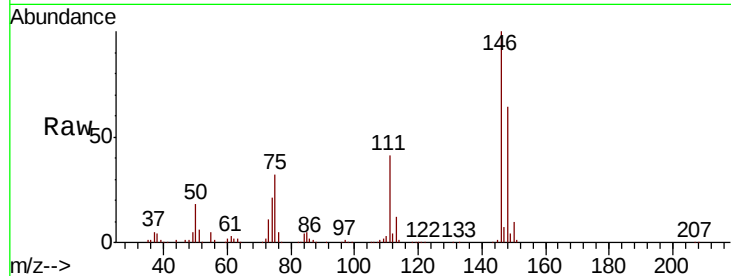




#87
 1,3-Dichlorobenzene
 Concen: 22.377 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

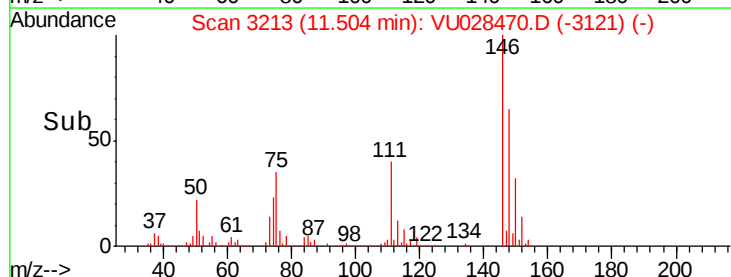
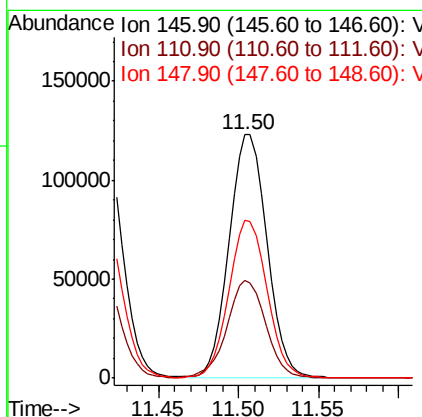
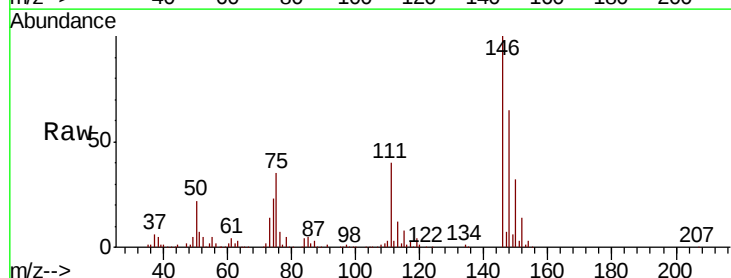
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

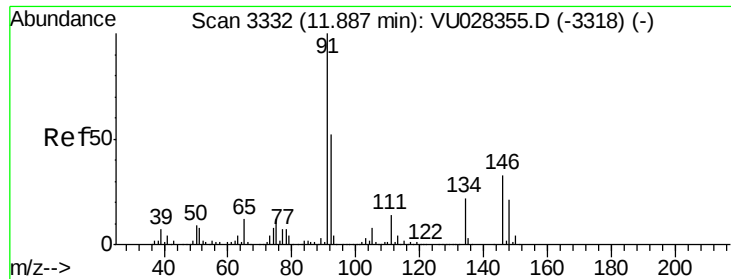
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	64.6	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 22.011 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	65.9	31.1	93.5

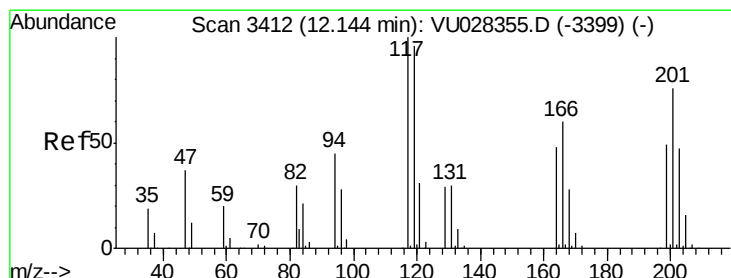
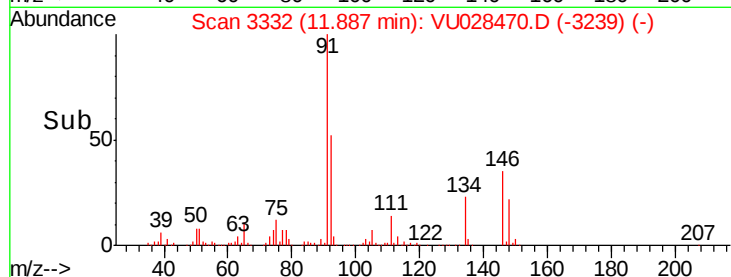
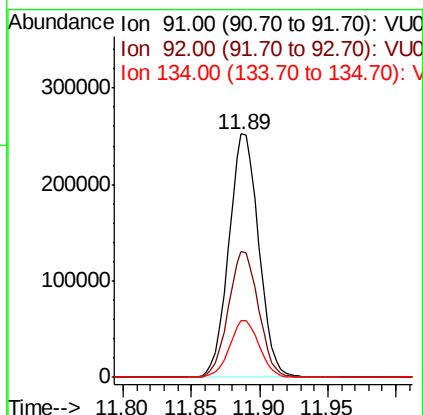
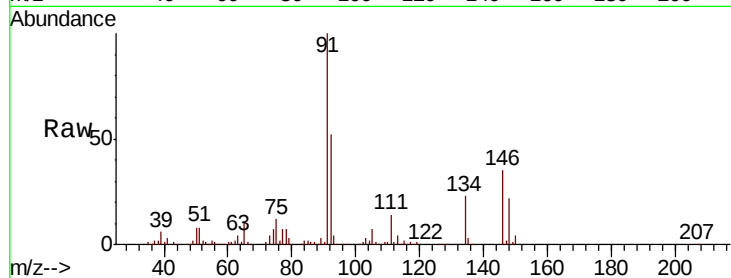




#89
n-Butylbenzene
Concen: 22.324 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

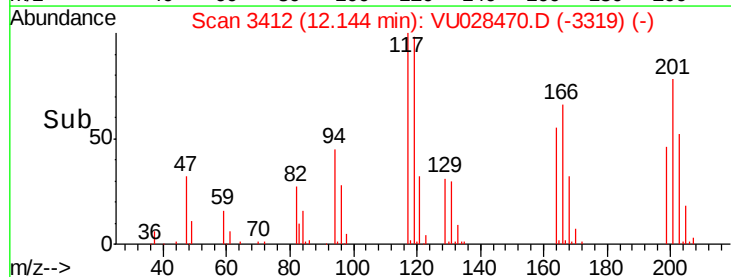
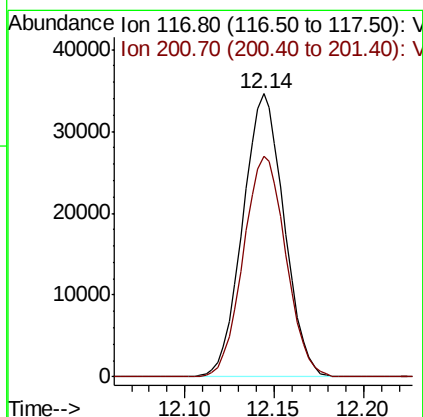
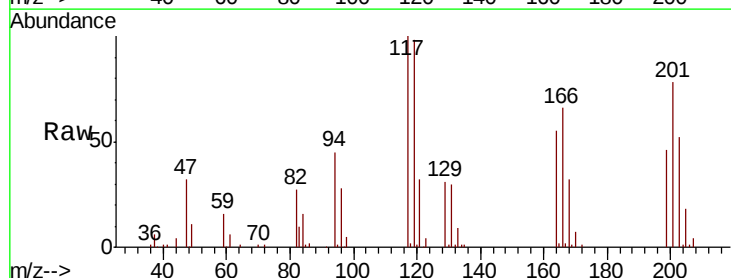
Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

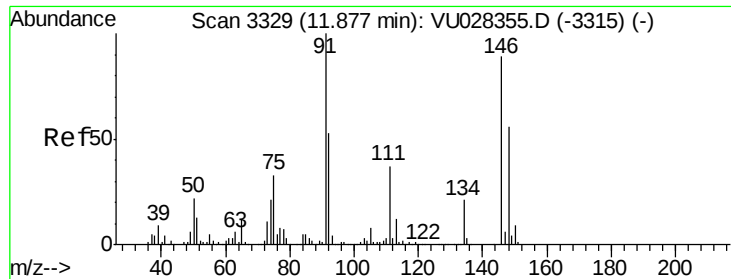
Tot Ion: 91 Resp: 384398
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 23.2 11.1 33.1



#90
Hexachloroethane
Concen: 20.614 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion: 117 Resp: 56148
Ion Ratio Lower Upper
117 100
201 80.1 37.7 113.1

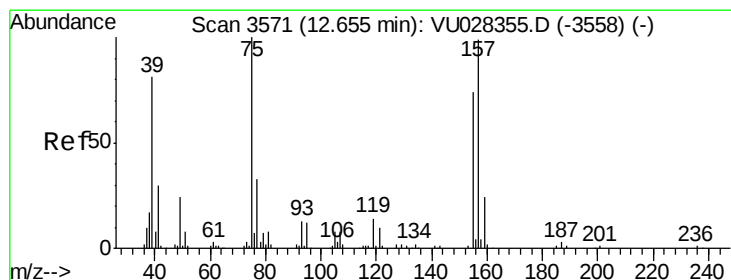
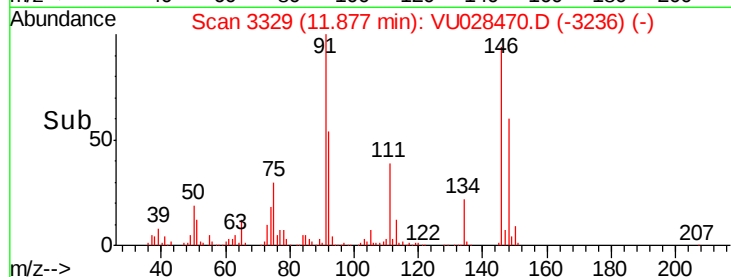
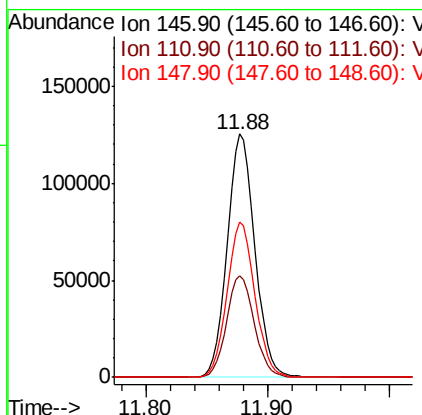
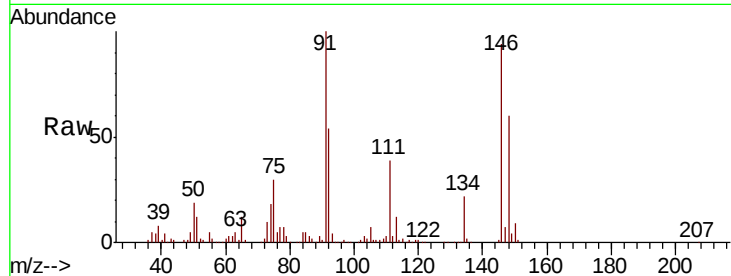




#91
 1,2-Dichlorobenzene
 Concen: 22.331 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

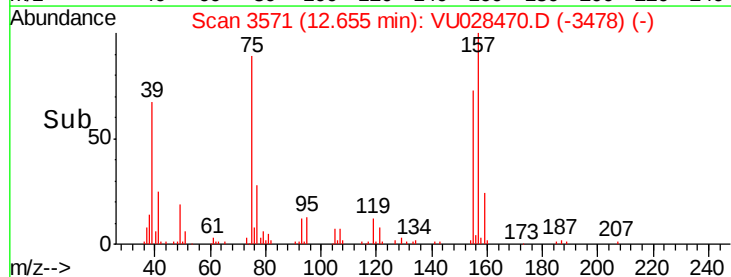
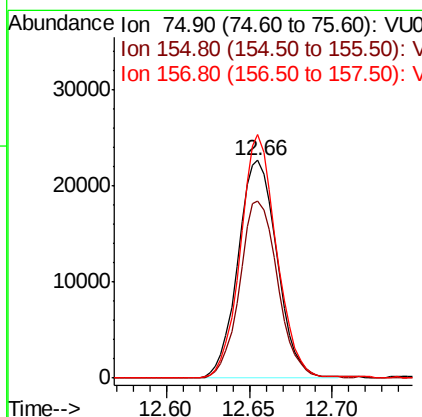
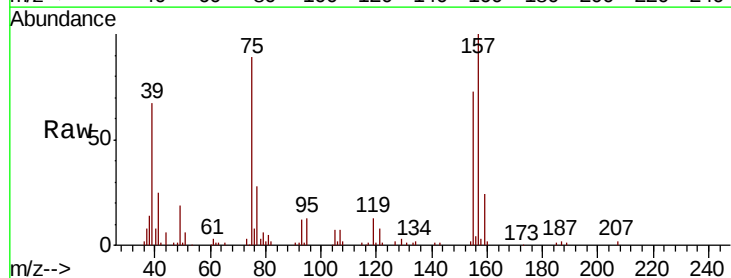
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBS01

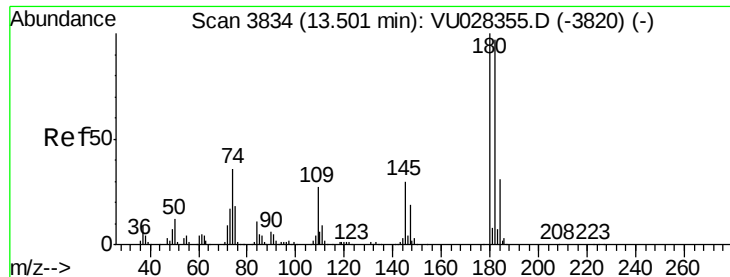
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.3
148	64.1	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.569 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028470.D
 Acq: 05 Dec 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	36.9	110.7
157	103.0	47.5	142.5





#93

1,2,4-Trichlorobenzene

Concen: 22.933 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBS01

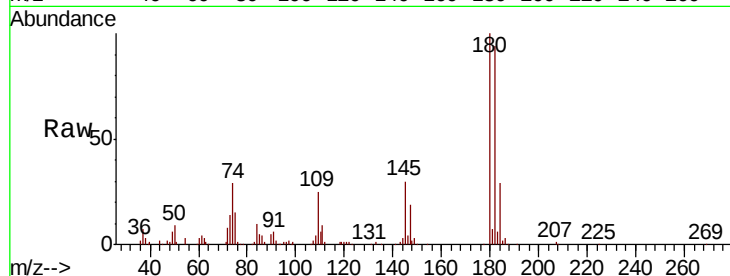
Tot Ion:180 Resp: 133852

Ion Ratio Lower Upper

180 100

182 95.9 48.3 144.9

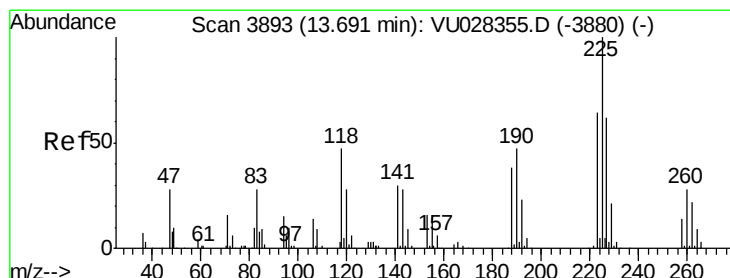
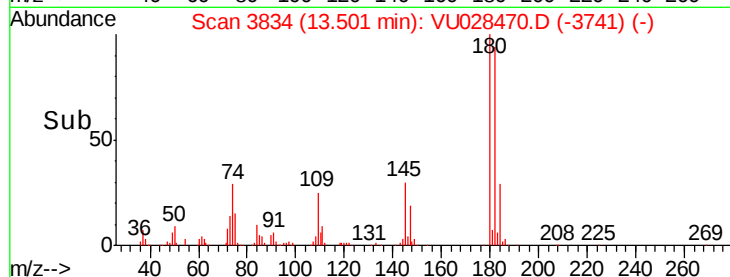
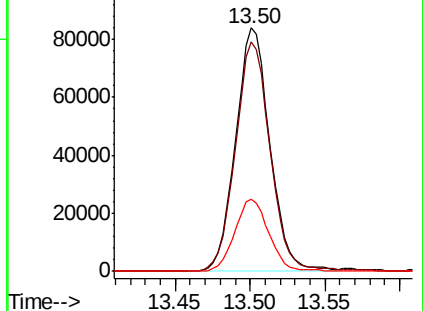
145 29.5 15.2 45.5



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: 22.625 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028470.D

Acq: 05 Dec 2018 11:19

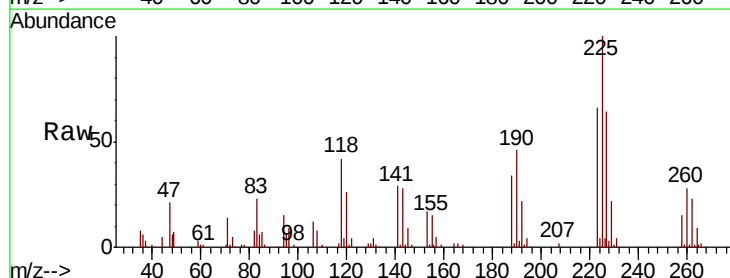
Tgt Ion:225 Resp: 62356

Ion Ratio Lower Upper

225 100

223 65.0 31.6 94.7

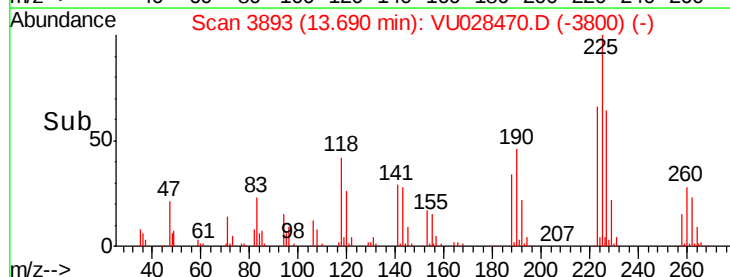
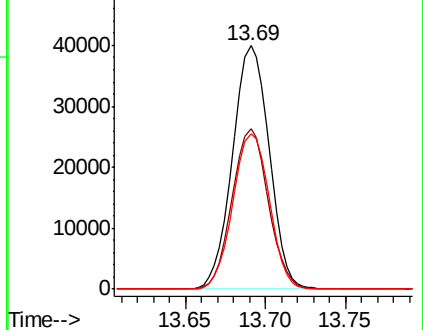
227 63.4 30.8 92.4

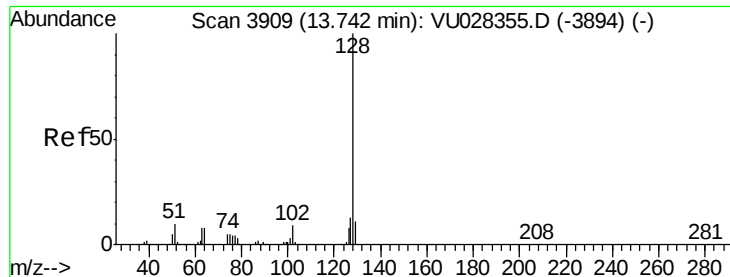


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

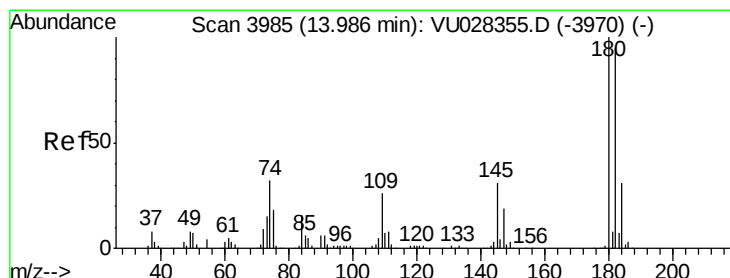
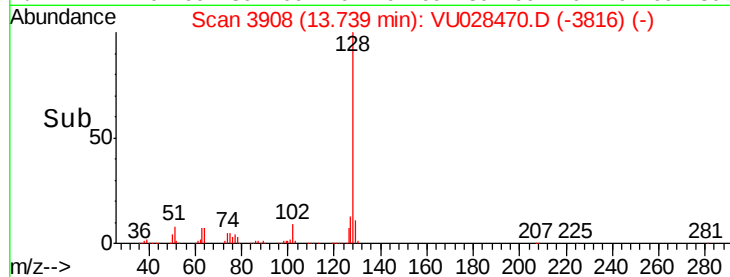
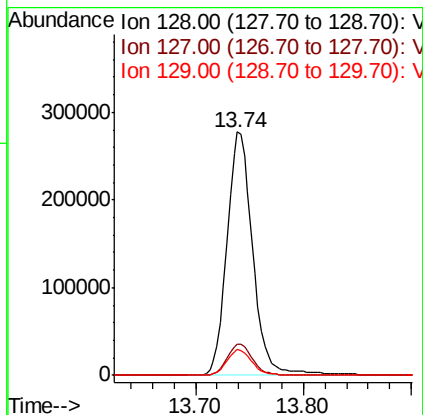
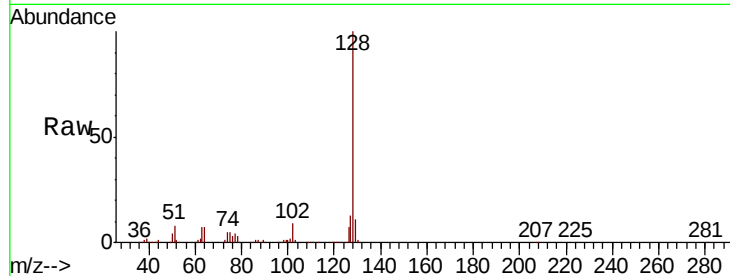




#95
Naphthalene
Concen: 22.206 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBS01

Tot Ion:128 Resp: 462110
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 23.489 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028470.D
Acq: 05 Dec 2018 11:19

Tgt Ion:180 Resp: 138653
Ion Ratio Lower Upper
180 100
182 94.6 47.7 143.1
145 31.0 15.7 47.1

