

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028057.D
 Acq On : 12 Nov 2018 12:08
 Operator : MD/SY
 Sample : VU1112WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Quant Time: Nov 13 02:42:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	164945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	127092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138056	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.88	113	100657	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
50) Toluene-d8	7.57	98	388561	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
62) 4-Bromofluorobenzene	10.31	95	143233	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35625	16.997	ug/l	100
3) Chloromethane	1.33	50	55705	21.976	ug/l	96
4) Vinyl Chloride	1.41	62	51234	20.365	ug/l	100
5) Bromomethane	1.61	94	26864	28.267	ug/l	98
6) Chloroethane	1.69	64	32605	22.489	ug/l	100
7) Trichlorofluoromethane	1.88	101	62143	21.376	ug/l	98
8) Diethyl Ether	2.10	74	27206	21.856	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36035	20.865	ug/l	98
10) Methyl Iodide	2.41	142	35078	26.443	ug/l	98
11) Tert butyl alcohol	2.83	59	61633	94.935	ug/l	100
12) 1,1-Dichloroethene	2.28	96	33732	19.513	ug/l	96
13) Acrolein	2.20	56	15777	60.928	ug/l	98
14) Allyl chloride	2.59	41	86924	20.573	ug/l	97
15) Acrylonitrile	2.94	53	165515	103.789	ug/l	99
16) Acetone	2.32	43	154838	101.766	ug/l	98
17) Carbon Disulfide	2.48	76	110638	19.580	ug/l	99
18) Methyl Acetate	2.61	43	89736	21.440	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	147670	21.182	ug/l	95
20) Methylene Chloride	2.70	84	47671	21.459	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	41011	20.557	ug/l	97
22) Diisopropyl ether	3.57	45	189741	21.752	ug/l	98
23) Vinyl Acetate	3.52	43	797139	106.334	ug/l	100
24) 1,1-Dichloroethane	3.45	63	92123	21.203	ug/l	99
25) 2-Butanone	4.26	43	245744	101.523	ug/l	99
26) 2,2-Dichloropropane	4.23	77	71644	21.973	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47944	21.431	ug/l	95
28) Bromochloromethane	4.55	49	45607	22.391	ug/l	97
29) Tetrahydrofuran	4.64	42	155579	96.255	ug/l	99
30) Chloroform	4.68	83	86230	21.645	ug/l	95
31) Cyclohexane	4.99	56	90188	20.144	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	68599	21.632	ug/l	98
36) 1,1-Dichloropropene	5.14	75	62080	20.602	ug/l	100
37) Ethyl Acetate	4.38	43	87674	19.857	ug/l	100
38) Carbon Tetrachloride	5.13	117	55542	20.799	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	77316	21.273	ug/l	99
40) Benzene	5.39	78	193691	21.024	ug/l	100
41) Methacrylonitrile	4.54	41	50332	21.361	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69947	21.359	ug/l	100
43) Isopropyl Acetate	5.55	43	140761	20.349	ug/l	99
44) Trichloroethene	6.19	130	41899	21.157	ug/l	98
45) 1,2-Dichloropropane	6.43	63	58127	21.877	ug/l	99
46) Dibromomethane	6.56	93	33534	21.957	ug/l	94
47) Bromodichloromethane	6.76	83	64543	21.930	ug/l	99
48) Methyl methacrylate	6.62	41	71555	21.109	ug/l	99
49) 1,4-Dioxane	6.61	88	25669	464.136	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	461689	99.940	ug/l	99
52) Toluene	7.64	92	113385	20.934	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	73537	20.816	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	79855	22.009	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	47539	21.574	ug/l	95
56) Ethyl methacrylate	8.02	69	80312	20.667	ug/l	95
57) 1,3-Dichloropropane	8.24	76	88307	22.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	211428	101.588	ug/l	99
59) 2-Hexanone	8.36	43	359572	100.636	ug/l	100
60) Dibromochloromethane	8.48	129	45030	21.595	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49589	21.179	ug/l	99
64) Tetrachloroethene	8.23	164	37186	21.495	ug/l	97
65) Chlorobenzene	9.12	112	118451	21.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40773	21.177	ug/l	98
67) Ethyl Benzene	9.25	91	218825	21.091	ug/l	99
68) m/p-Xylenes	9.38	106	157866	41.935	ug/l	95
69) o-Xylene	9.78	106	79665	20.957	ug/l	99
70) Styrene	9.79	104	128330	21.128	ug/l	98
71) Bromoform	9.96	173	32787	20.320	ug/l #	99
73) Isopropylbenzene	10.17	105	213122	21.646	ug/l	100
74) N-amyl acetate	10.01	43	128256	21.543	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	86094	21.678	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	96752	27.832	ug/l	79
77) Bromobenzene	10.45	156	48551	21.505	ug/l	97
78) n-propylbenzene	10.59	91	253562	21.515	ug/l	100
79) 2-Chlorotoluene	10.66	91	152699	21.616	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	178419	21.876	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	96752	69.387	ug/l #	100
82) 4-Chlorotoluene	10.77	91	171682	21.408	ug/l	98
83) tert-Butylbenzene	11.10	119	171059	20.979	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	180042	21.922	ug/l	100
85) sec-Butylbenzene	11.32	105	215640	21.746	ug/l	99
86) p-Isopropyltoluene	11.48	119	178548	21.539	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	89087	21.361	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	87724	20.522	ug/l	99
89) n-Butylbenzene	11.89	91	164897	20.930	ug/l	99
90) Hexachloroethane	12.15	117	32551	22.055	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	89077	21.239	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16927	20.227	ug/l	98

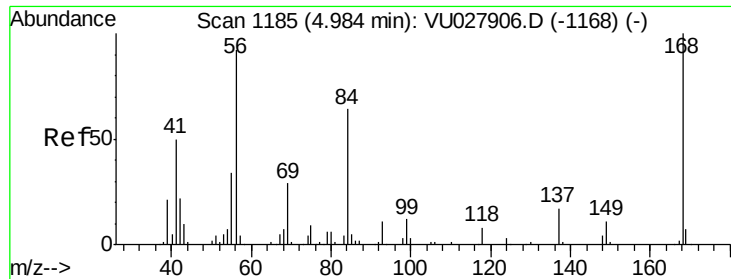
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111218\
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52928	18.433	ug/l	97
94) Hexachlorobutadiene	13.69	225	28420	21.321	ug/l	98
95) Naphthalene	13.74	128	189555	18.067	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	57409	20.399	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

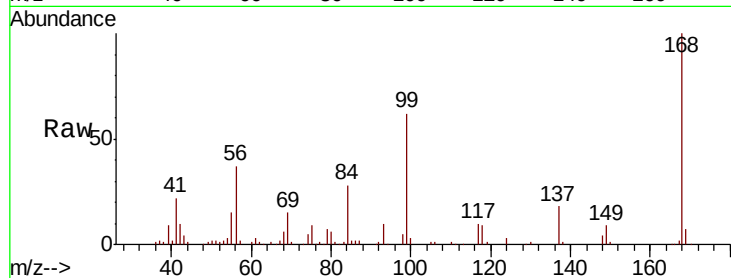
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tot Ion:168 Resp: 164945

Ion Ratio Lower Upper

168 100

99 61.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028057.D (-1092) (-)

4.98

80000

60000

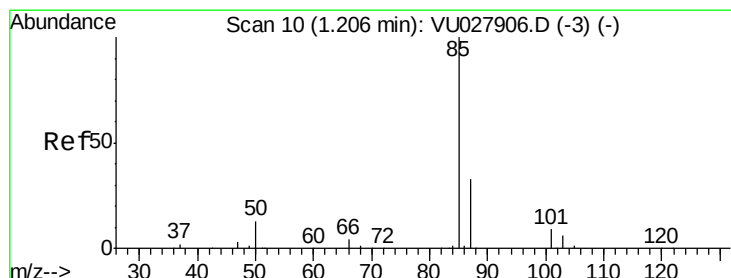
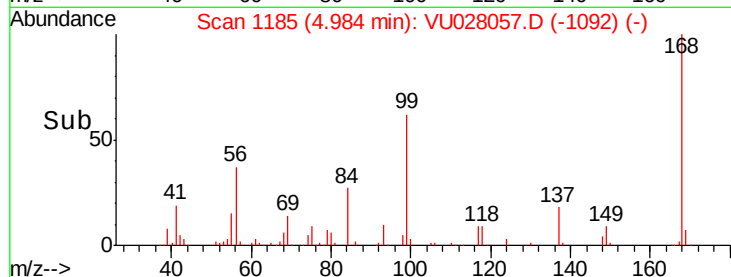
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.997 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028057.D

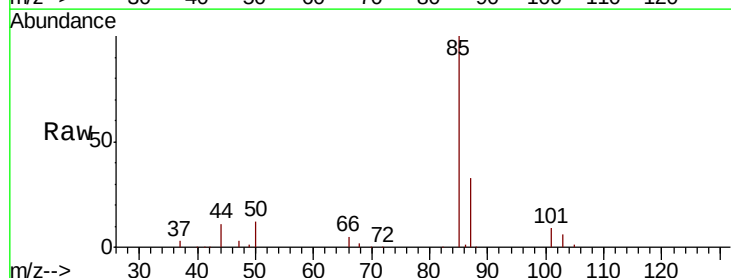
Acq: 12 Nov 2018 12:08

Tgt Ion: 85 Resp: 35625

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028057.D (-1) (-)

1.21

40000

30000

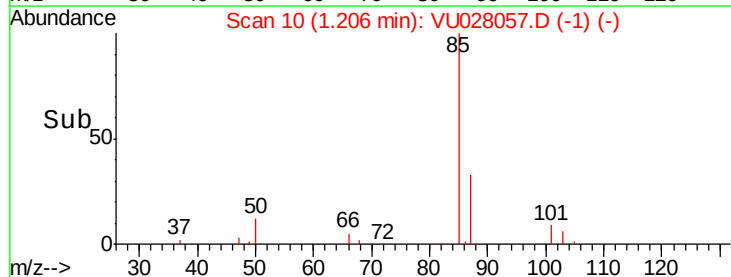
20000

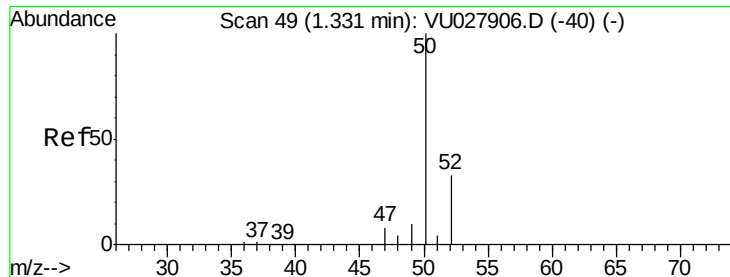
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.976 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

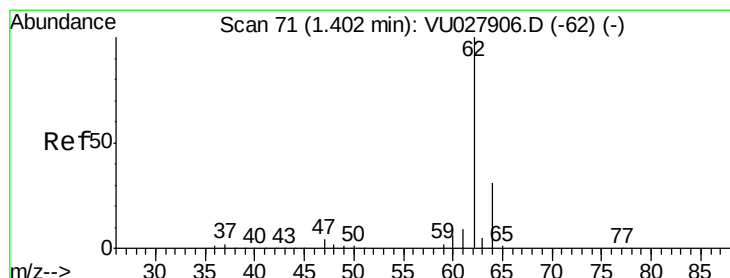
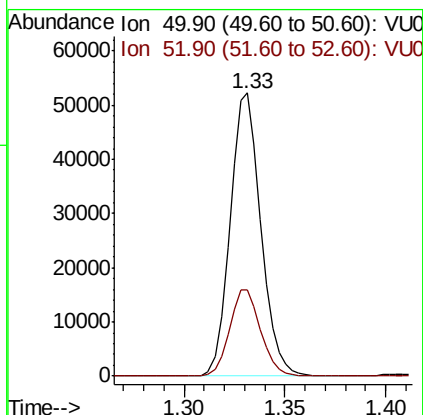
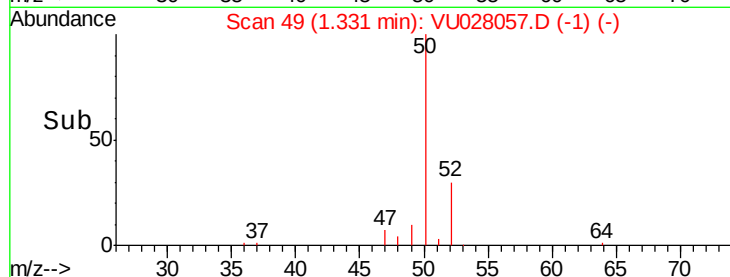
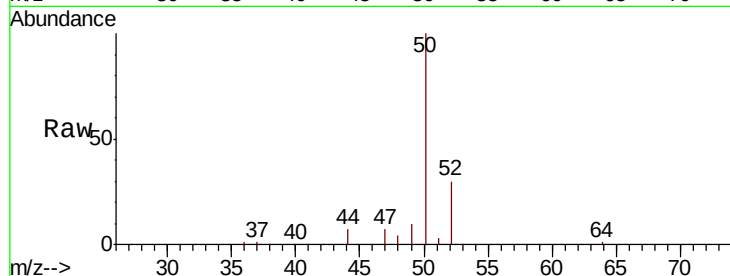
VU1112WBS01

Tot Ion: 50 Resp: 55705

Ion Ratio Lower Upper

50 100

52 30.5 26.2 39.4



#4

Vinyl Chloride

Concen: 20.365 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028057.D

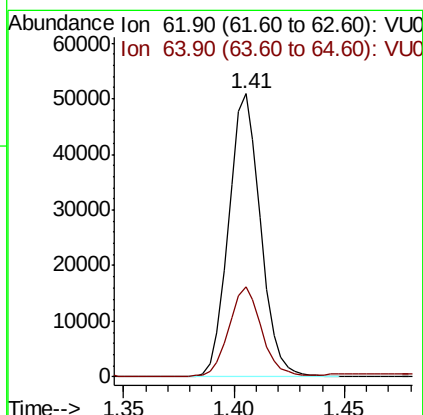
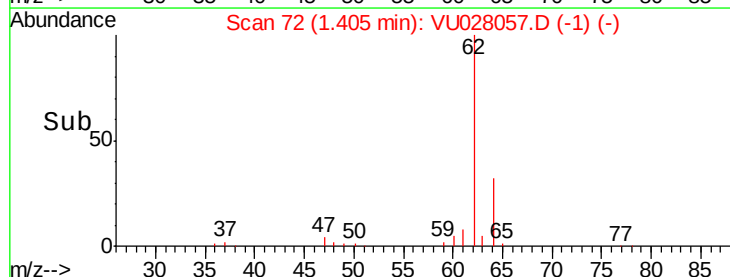
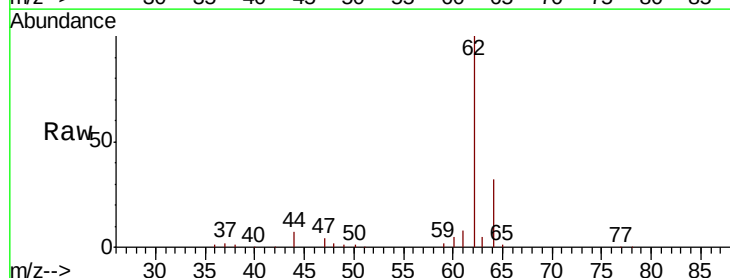
Acq: 12 Nov 2018 12:08

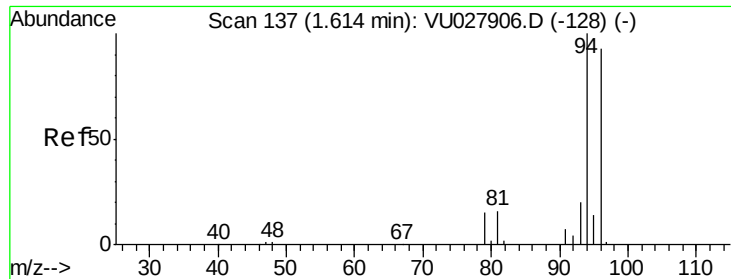
Tgt Ion: 62 Resp: 51234

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 28.267 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

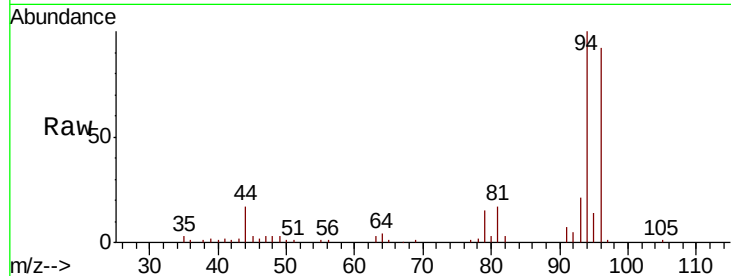
VU1112WBS01

Tot Ion: 94 Resp: 26864

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028057.D (-44) (-)

1.61

25000

20000

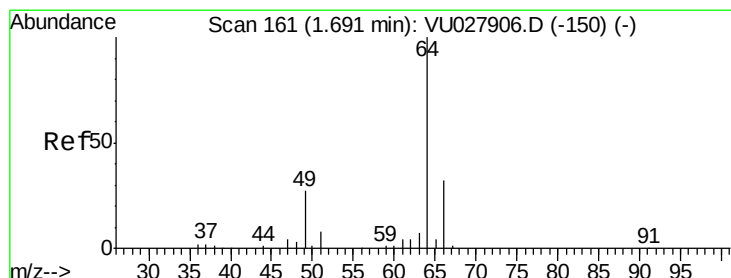
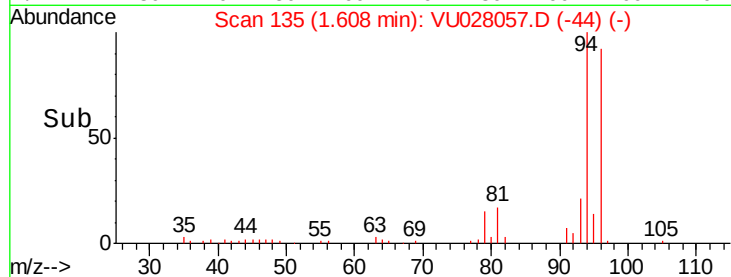
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.489 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028057.D

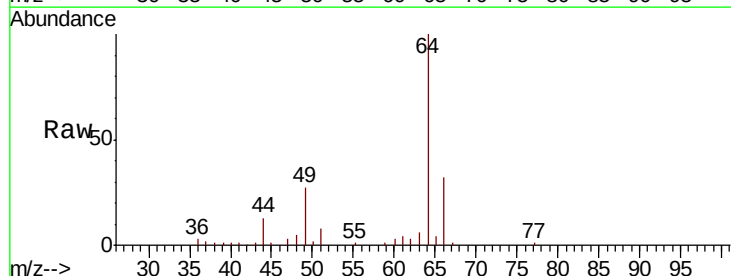
Acq: 12 Nov 2018 12:08

Tgt Ion: 64 Resp: 32605

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028057.D (-68) (-)

1.69

25000

20000

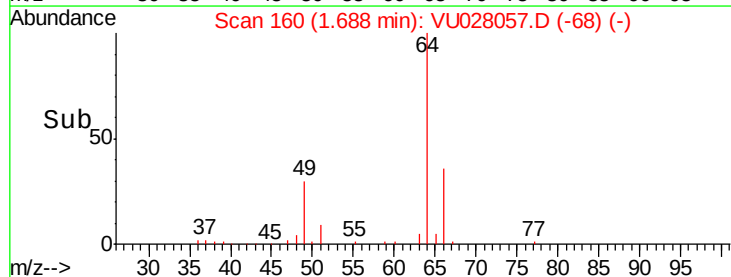
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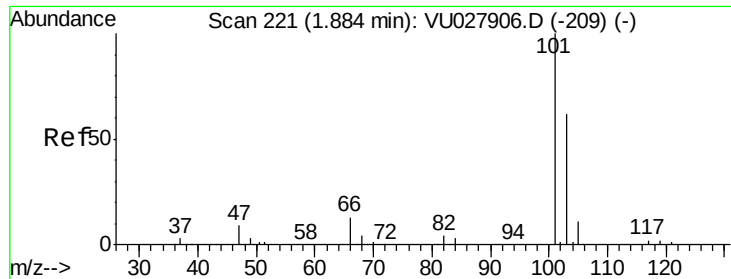
10000

5000

0

Time-->



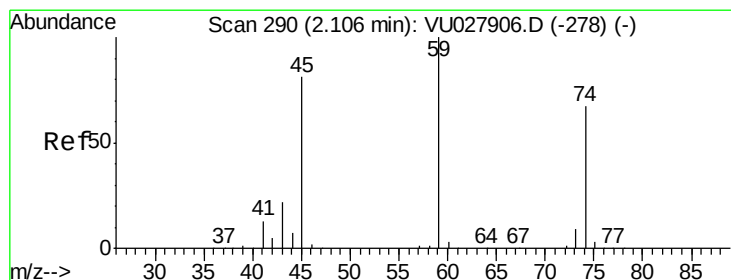
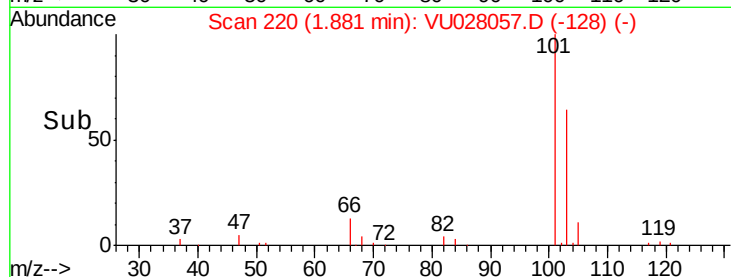
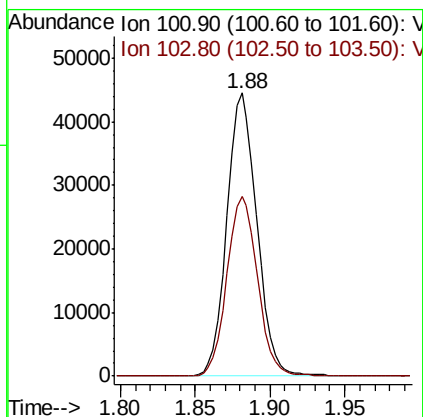
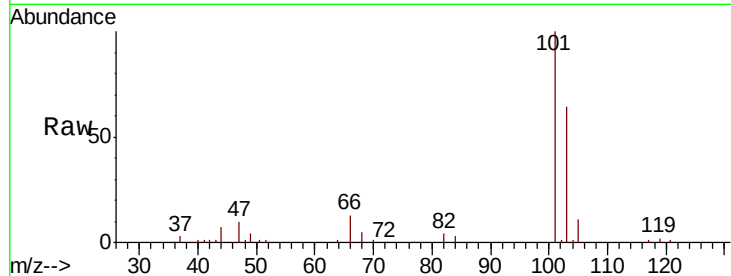


#7

Trichlorofluoromethane
Concen: 21.376 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

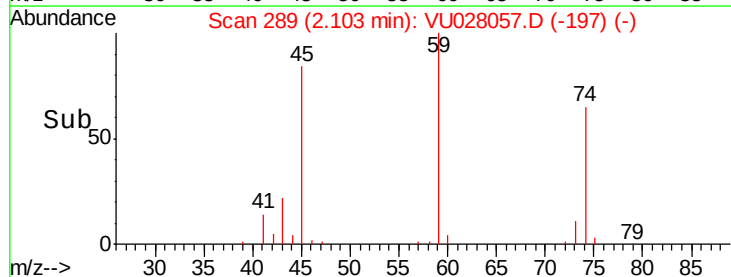
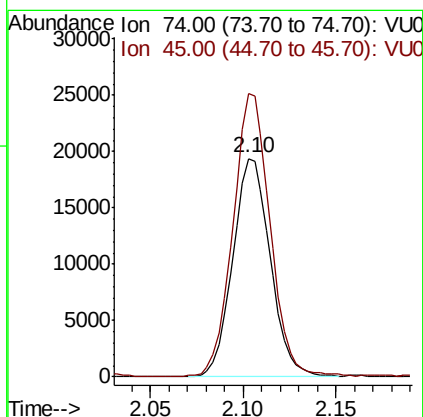
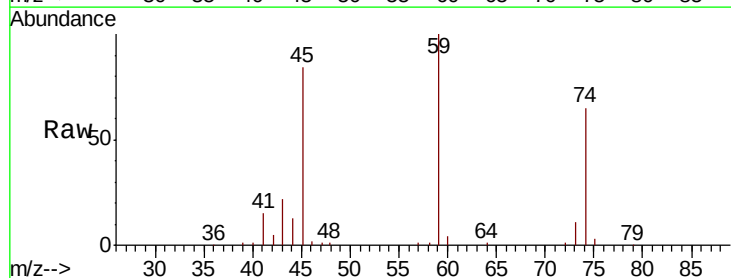
Tot Ion:101 Resp: 62143
Ion Ratio Lower Upper
101 100
103 63.7 49.4 74.2

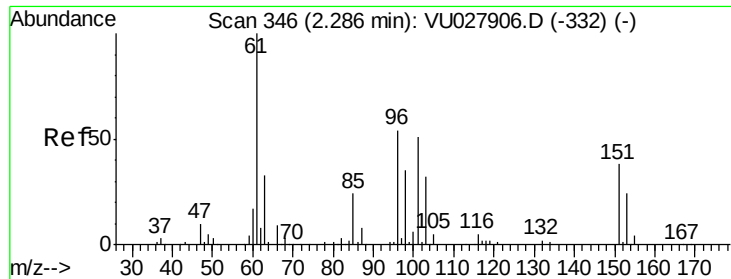


#8

Diethyl Ether
Concen: 21.856 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 74 Resp: 27206
Ion Ratio Lower Upper
74 100
45 128.9 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.865 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

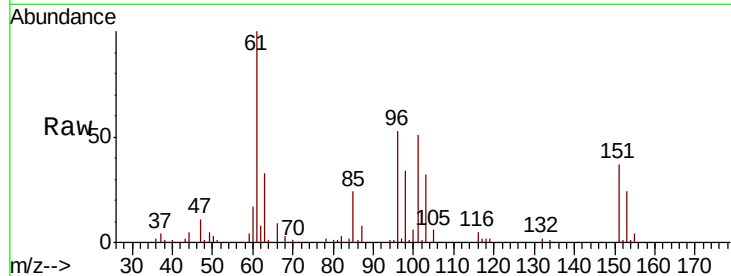
Tot Ion:101 Resp: 36035

Ion Ratio Lower Upper

101 100

85 48.2 36.9 55.3

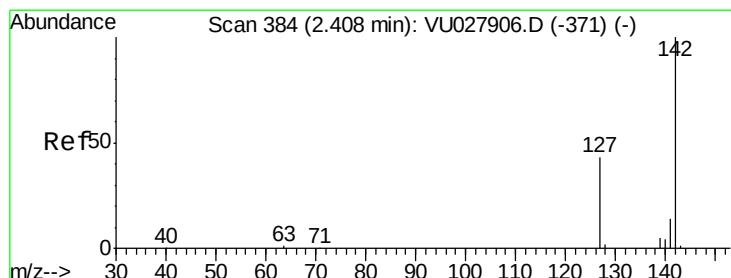
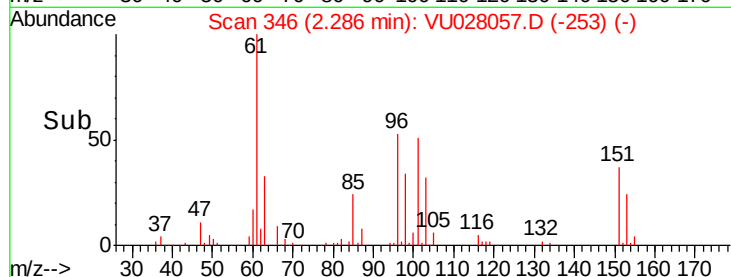
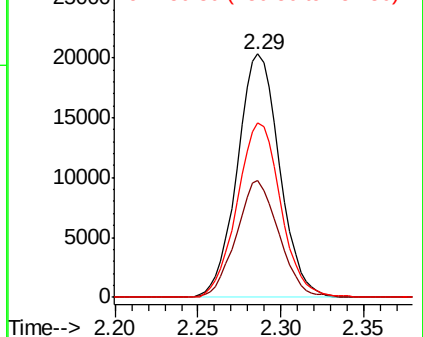
151 73.6 58.0 87.0



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: 26.443 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

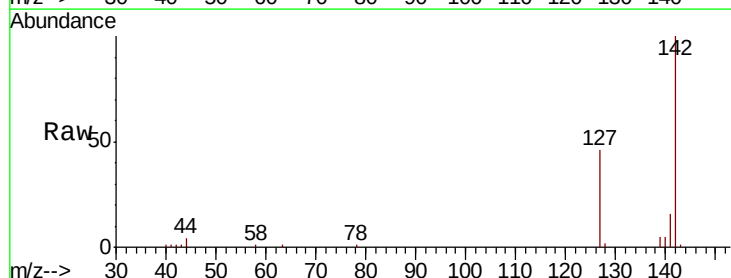
Tgt Ion:142 Resp: 35078

Ion Ratio Lower Upper

142 100

127 45.5 35.2 52.8

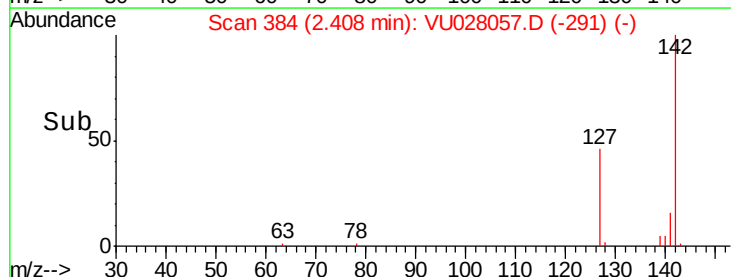
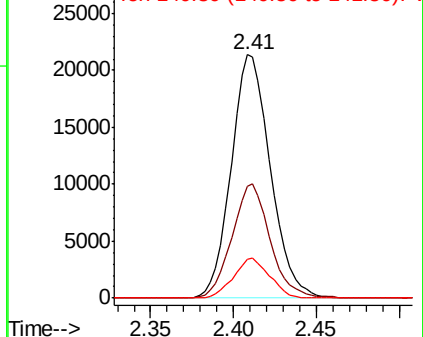
141 15.0 11.8 17.8

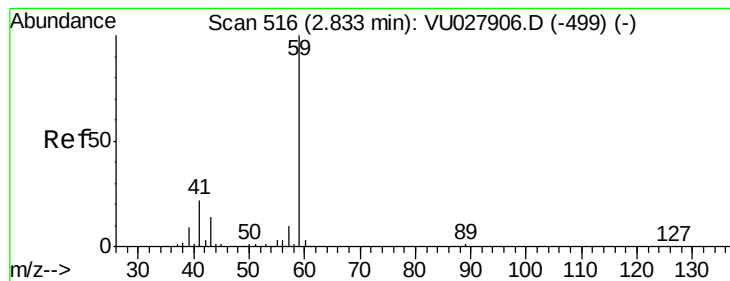


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.935 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

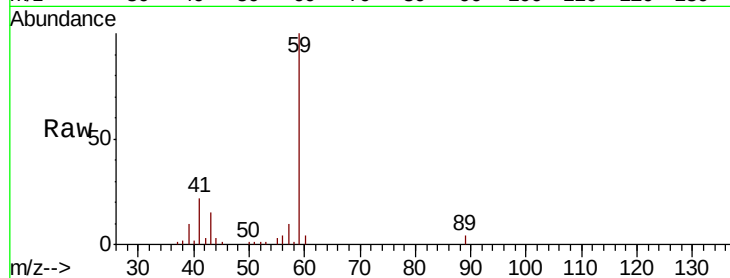
VU1112WBS01

Tot Ion: 59 Resp: 61633

Ion Ratio Lower Upper

59 100

57 9.7 7.8 11.8



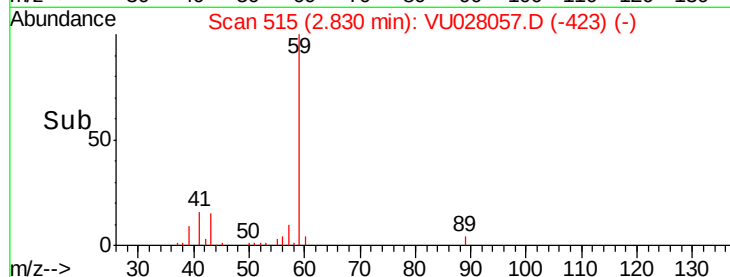
Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)

2.83

2.80 2.90

Time-->



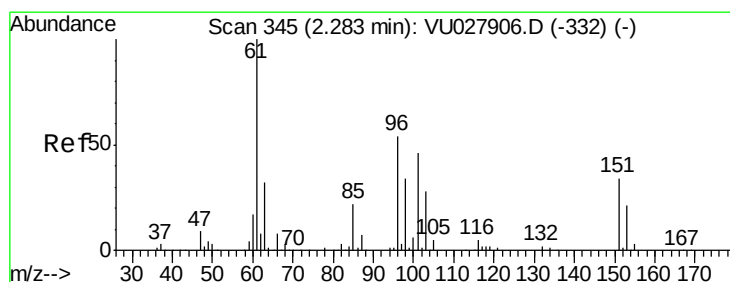
Abundance Ion 59.00 (58.70 to 59.70): VU028057.D (-423) (-)

Ion 57.00 (56.70 to 57.70): VU028057.D (-423) (-)

2.83

2.80 2.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.513 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

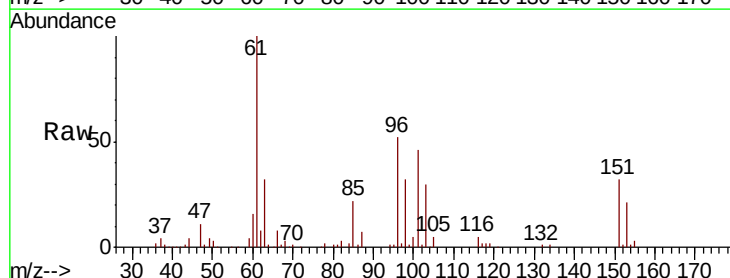
Tgt Ion: 96 Resp: 33732

Ion Ratio Lower Upper

96 100

61 192.9 149.3 223.9

98 62.1 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-332) (-)

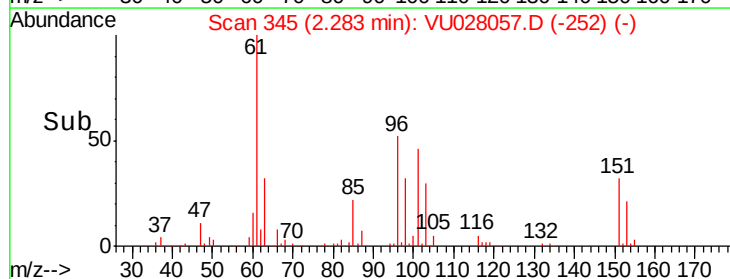
Ion 60.90 (60.60 to 61.60): VU027906.D (-332) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-332) (-)

2.28

2.25 2.35

Time-->



Abundance Ion 95.90 (95.60 to 96.60): VU028057.D (-252) (-)

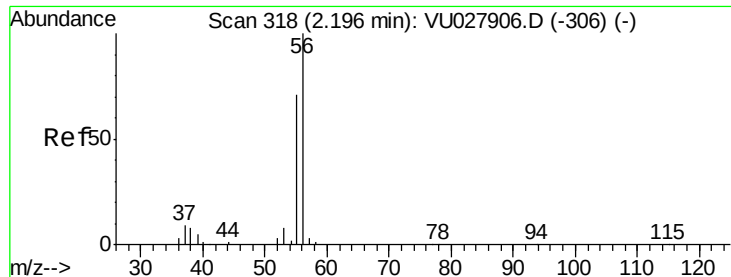
Ion 60.90 (60.60 to 61.60): VU028057.D (-252) (-)

Ion 97.90 (97.60 to 98.60): VU028057.D (-252) (-)

2.28

2.25 2.35

Time-->



#13

Acrolein

Concen: 60.928 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

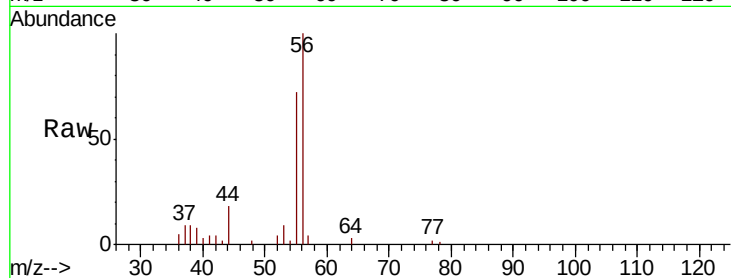
VU1112WBS01

Tot Ion: 56 Resp: 15777

Ion Ratio Lower Upper

56 100

55 72.1 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.20

12000

10000

8000

6000

4000

2000

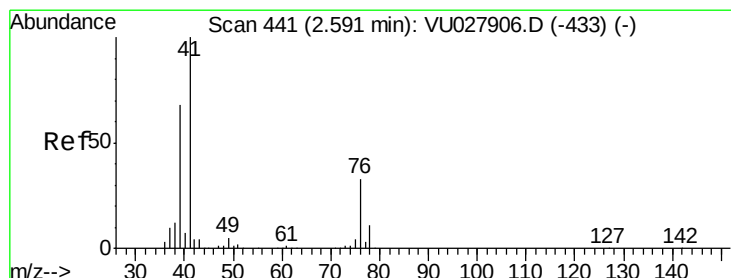
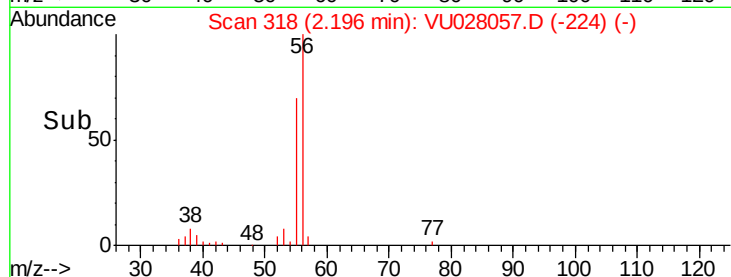
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 20.573 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

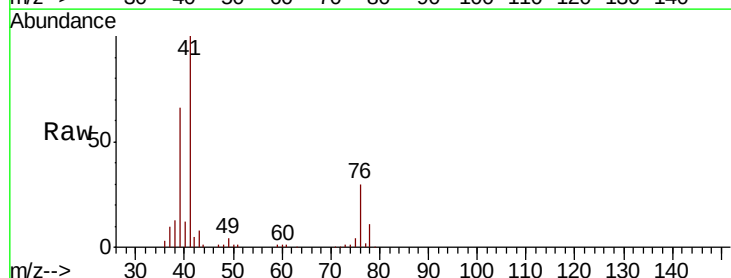
Tgt Ion: 41 Resp: 86924

Ion Ratio Lower Upper

41 100

39 62.1 51.9 77.9

76 28.6 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)

2.59

60000

40000

20000

0

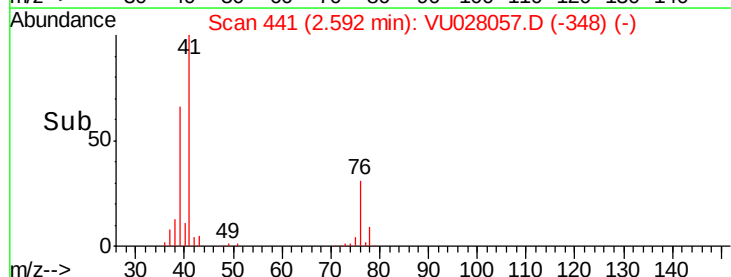
Time-->

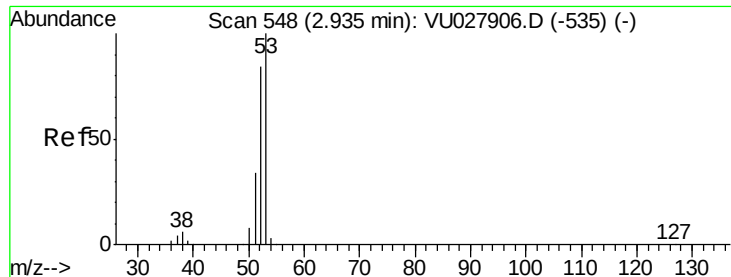
2.55

2.60

2.65

2.70





#15

Acrylonitrile

Concen: 103.789 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

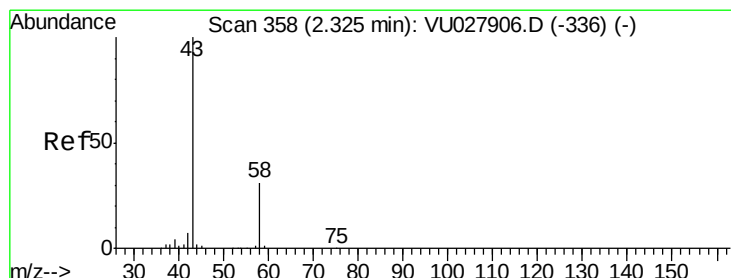
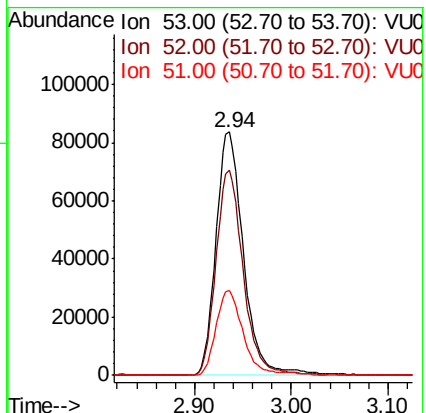
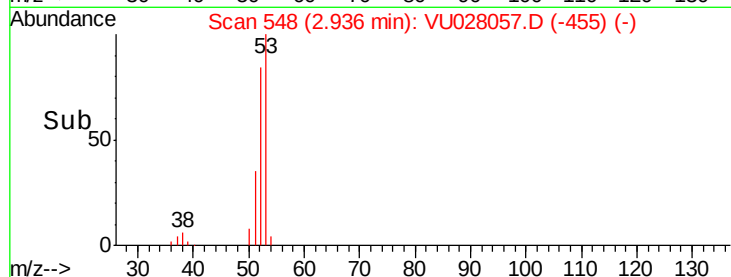
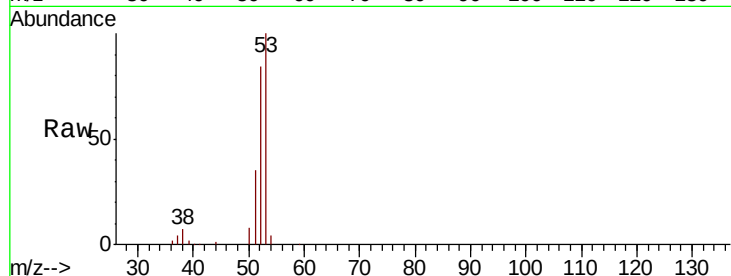
Tot Ion: 53 Resp: 165515

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

51 34.9 27.0 40.4



#16

Acetone

Concen: 101.766 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028057.D

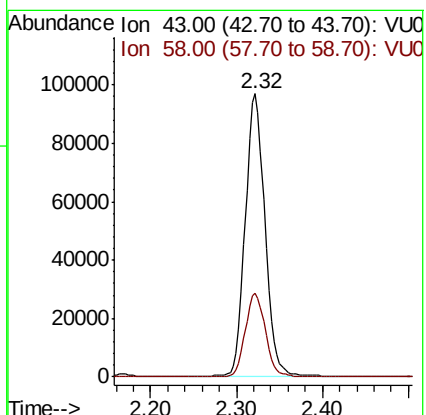
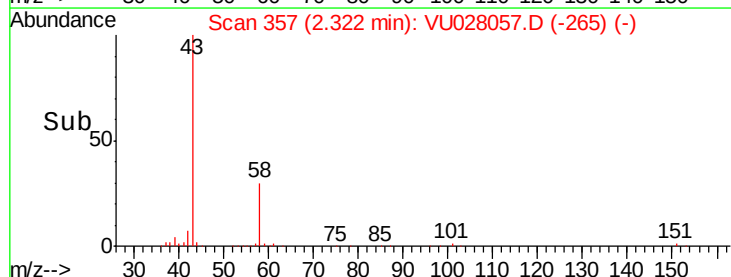
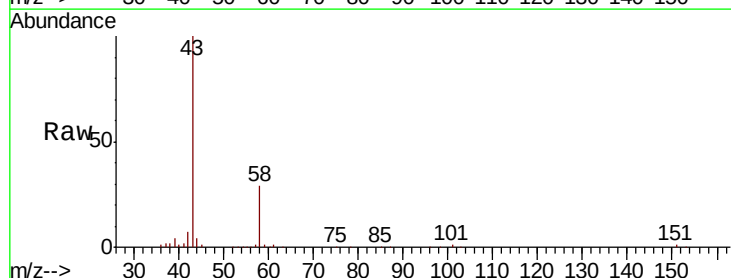
Acq: 12 Nov 2018 12:08

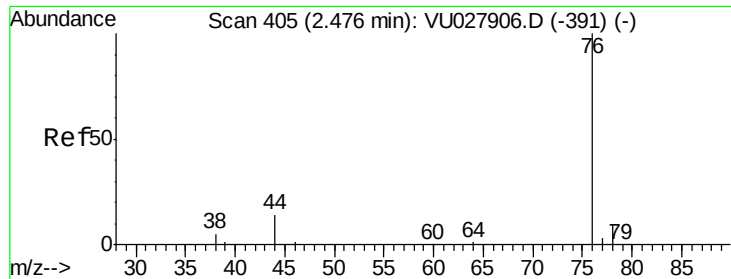
Tgt Ion: 43 Resp: 154838

Ion Ratio Lower Upper

43 100

58 29.5 24.6 37.0





#17

Carbon Disulfide

Concen: 19.580 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

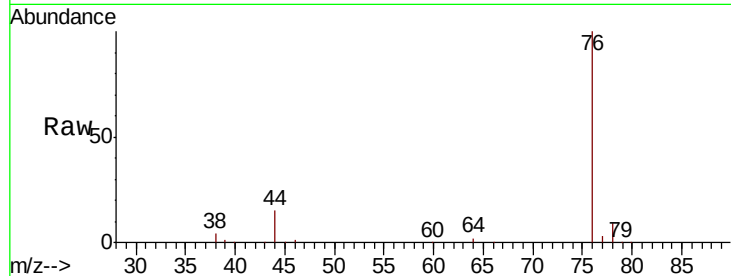
VU1112WBS01

Tot Ion: 76 Resp: 110638

Ion Ratio Lower Upper

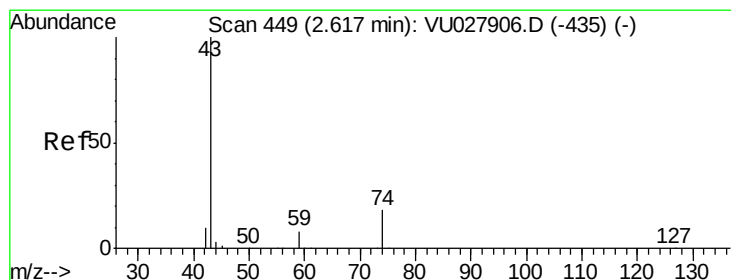
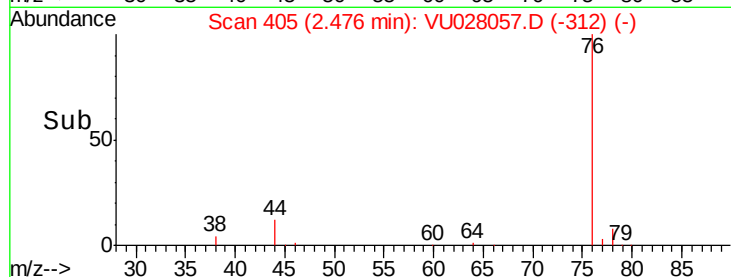
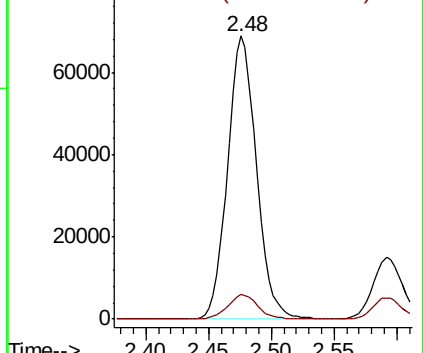
76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU028057.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU028057.D (-312) (-)



#18

Methyl Acetate

Concen: 21.440 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028057.D

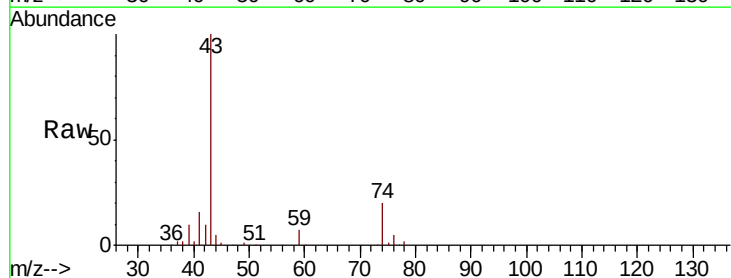
Acq: 12 Nov 2018 12:08

Tgt Ion: 43 Resp: 89736

Ion Ratio Lower Upper

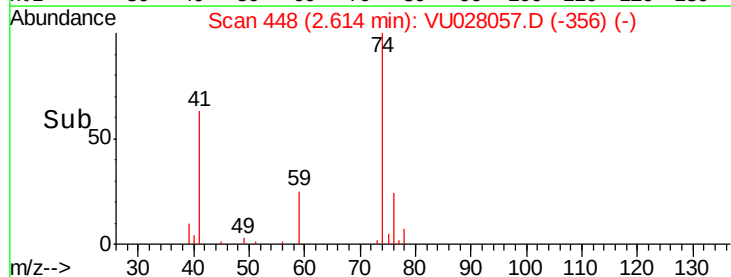
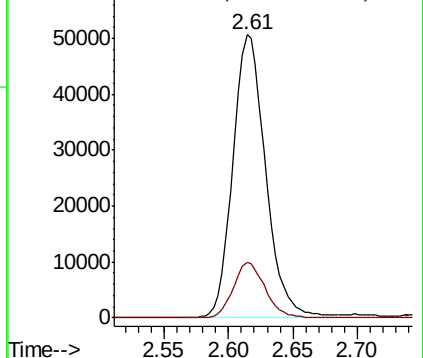
43 100

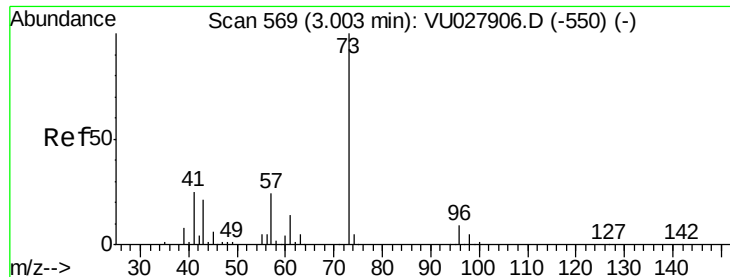
74 19.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028057.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU028057.D (-356) (-)



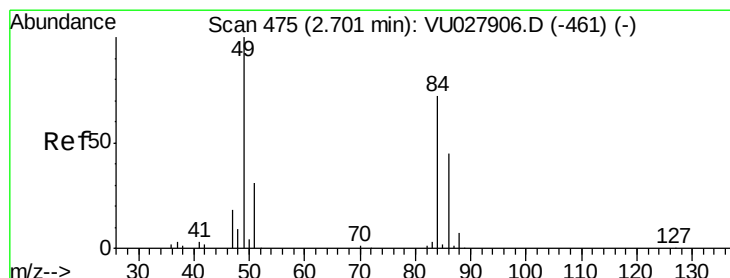
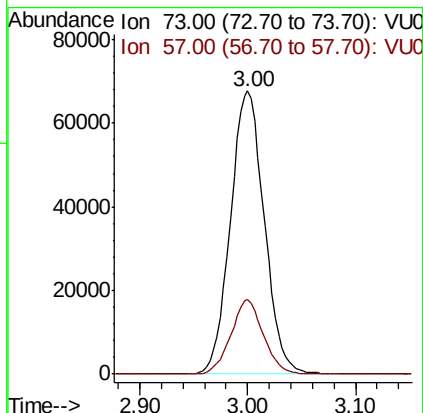
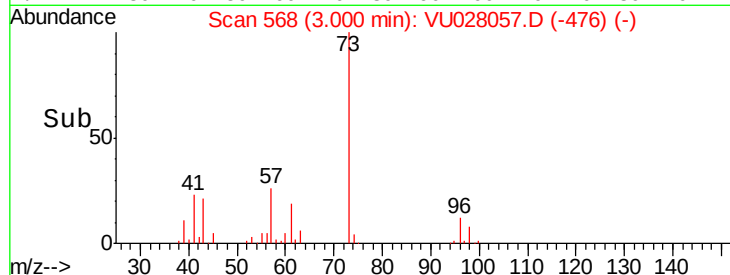
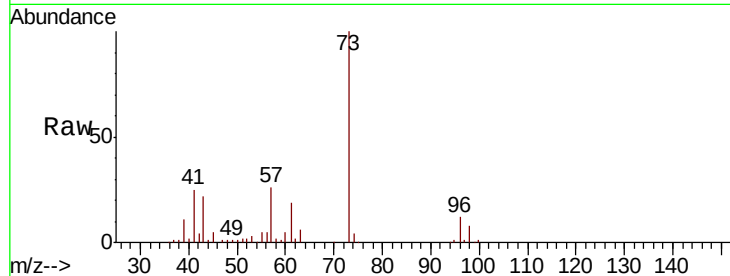


#19

Methyl tert-butyl Ether
 Concen: 21.182 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

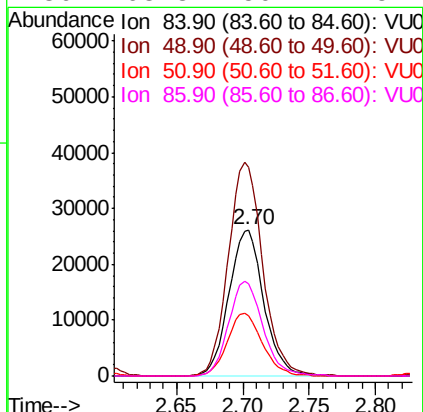
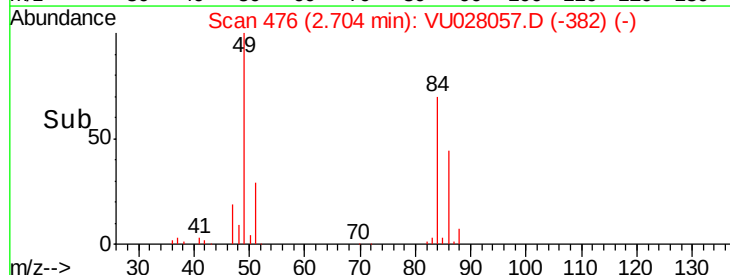
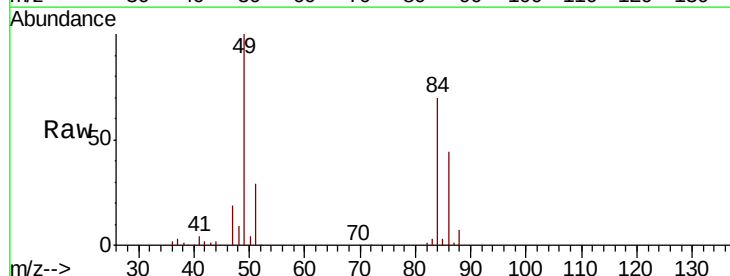
Tot Ion: 73 Resp: 147670
 Ion Ratio Lower Upper
 73 100
 57 26.4 19.3 28.9

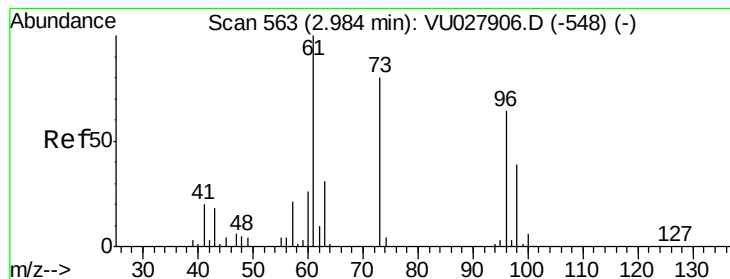


#20

Methylene Chloride
 Concen: 21.459 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 84 Resp: 47671
 Ion Ratio Lower Upper
 84 100
 49 143.2 111.6 167.4
 51 41.4 34.8 52.2
 86 63.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.557 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

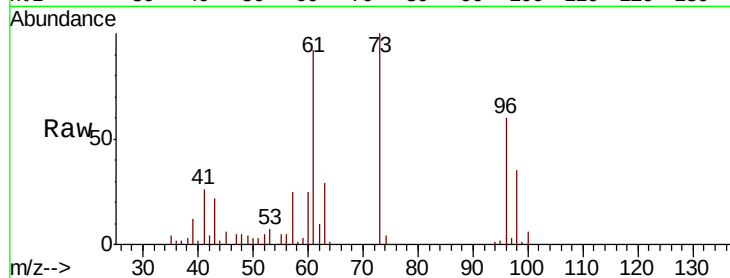
Tot Ion: 96 Resp: 41011

Ion Ratio Lower Upper

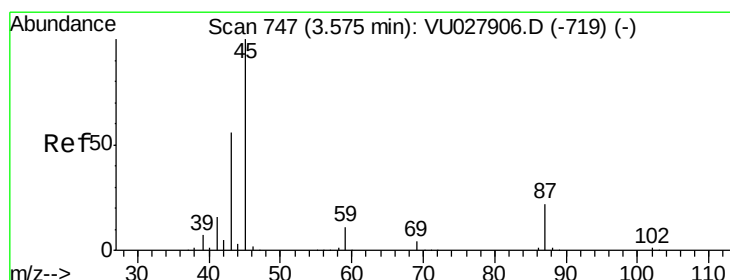
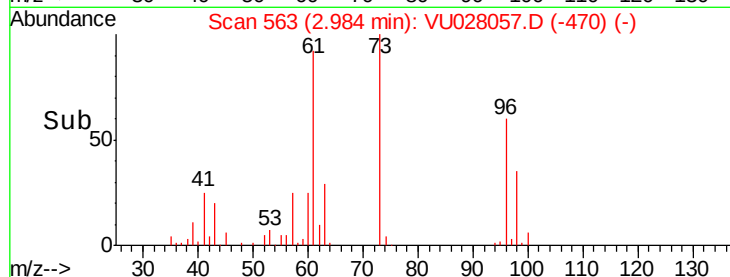
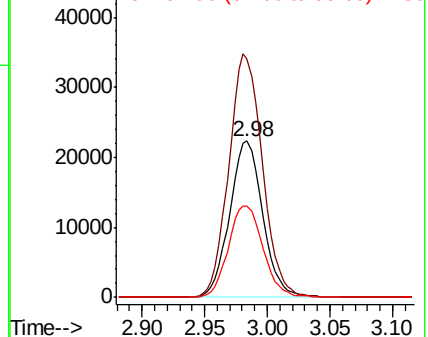
96 100

61 152.6 125.0 187.6

98 58.7 48.2 72.4



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



#22

Diisopropyl ether

Concen: 21.752 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion: 45 Resp: 189741

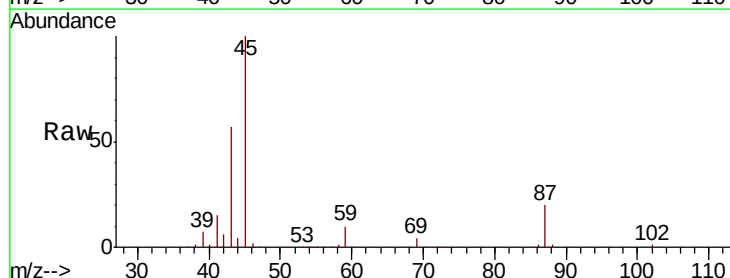
Ion Ratio Lower Upper

45 100

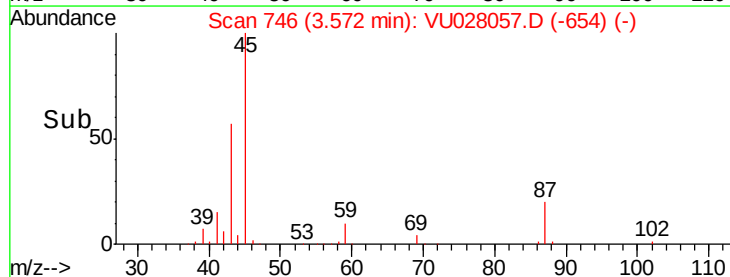
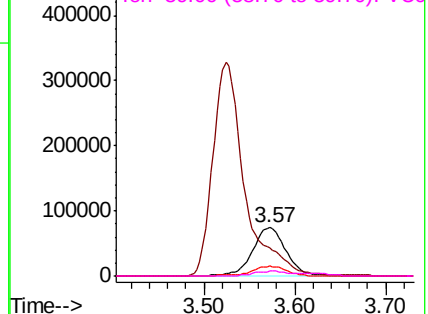
43 55.7 45.0 67.6

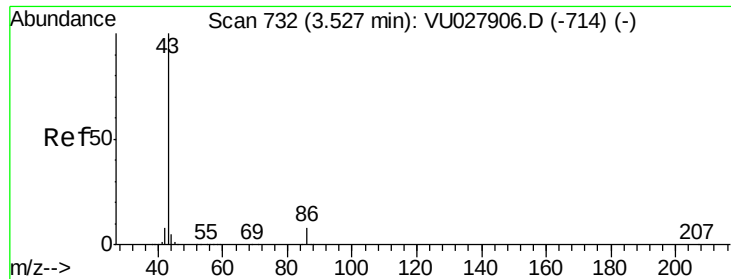
87 20.2 17.9 26.9

59 10.3 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: 106.334 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

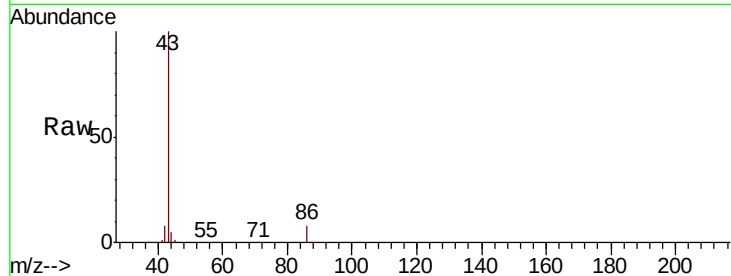
VU1112WBS01

Tot Ion: 43 Resp: 797139

Ion Ratio Lower Upper

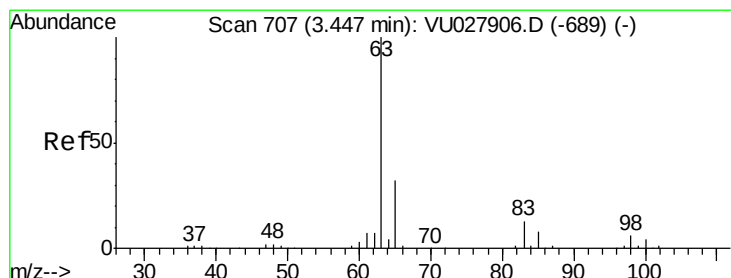
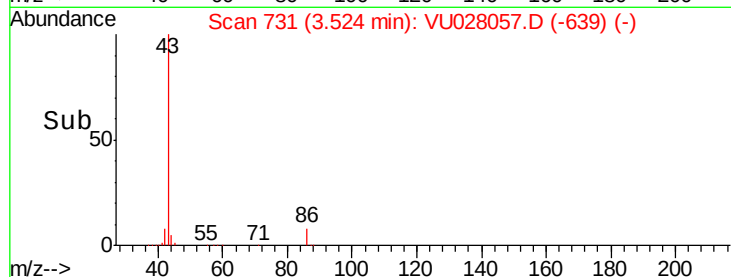
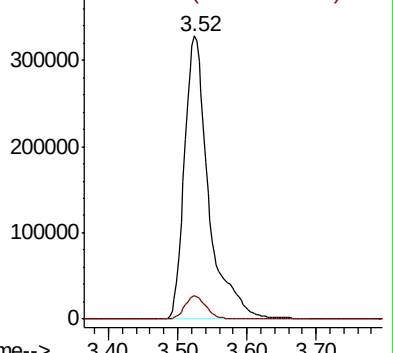
43 100

86 8.4 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)



#24

1,1-Dichloroethane

Concen: 21.203 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

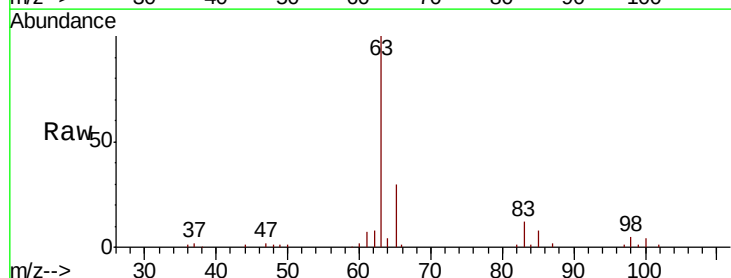
Tgt Ion: 63 Resp: 92123

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

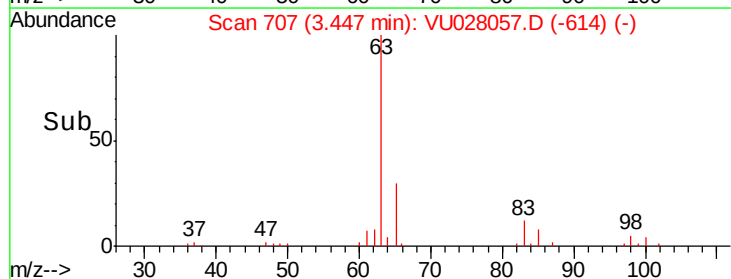
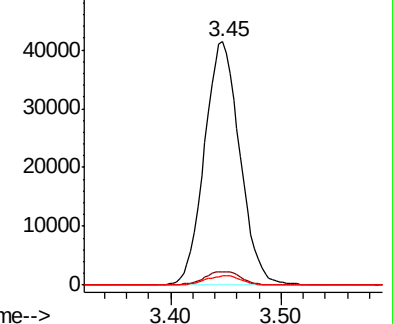
100 3.8 2.0 6.0

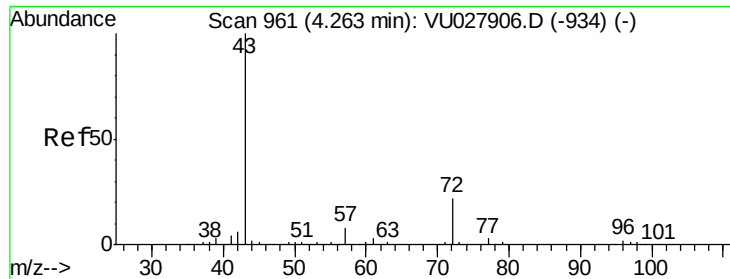


Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)





#25

2-Butanone

Concen: 101.523 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

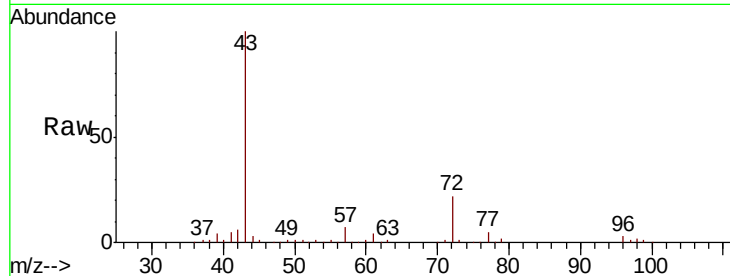
VU1112WBS01

Tot Ion: 43 Resp: 245744

Ion Ratio Lower Upper

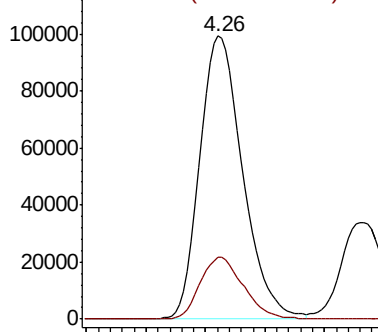
43 100

72 21.6 17.7 26.5

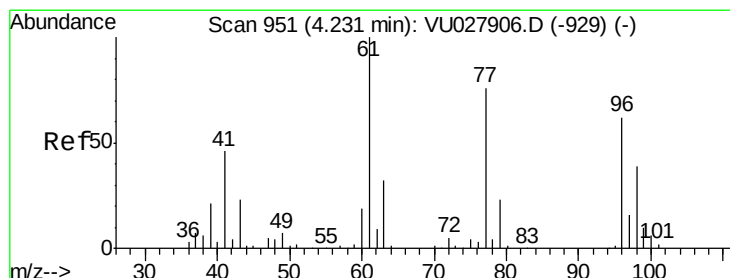
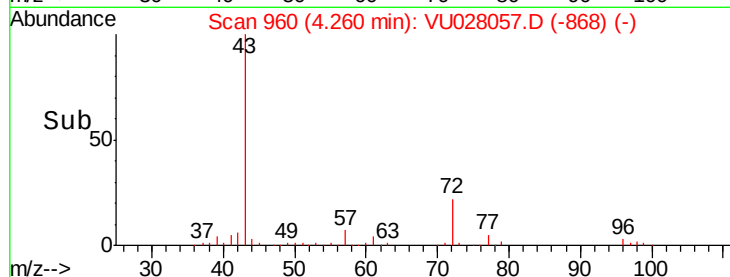


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 21.973 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028057.D

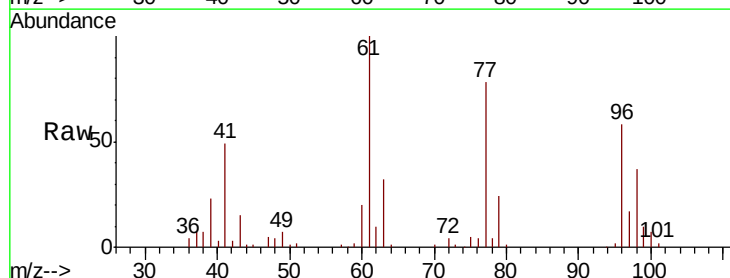
Acq: 12 Nov 2018 12:08

Tgt Ion: 77 Resp: 71644

Ion Ratio Lower Upper

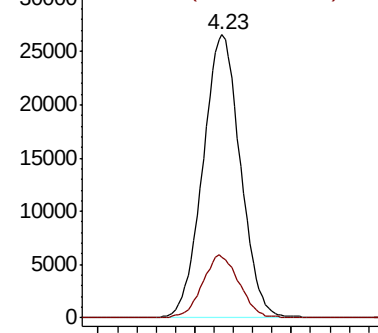
77 100

97 21.7 11.2 33.5

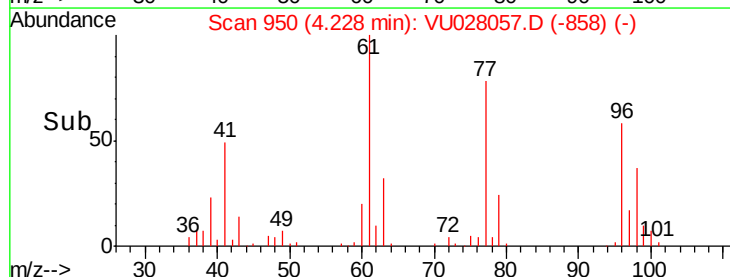


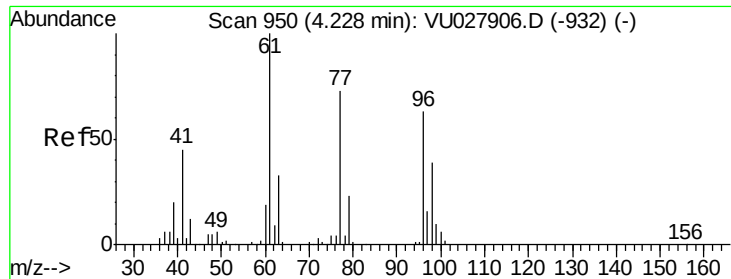
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 21.431 ug/l

RT: 4.23 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

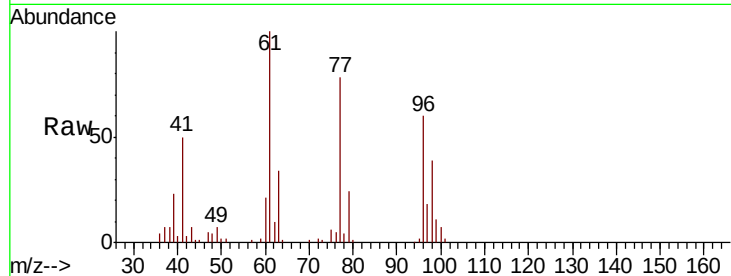
Tot Ion: 96 Resp: 47944

Ion Ratio Lower Upper

96 100

61 172.2 0.0 329.6

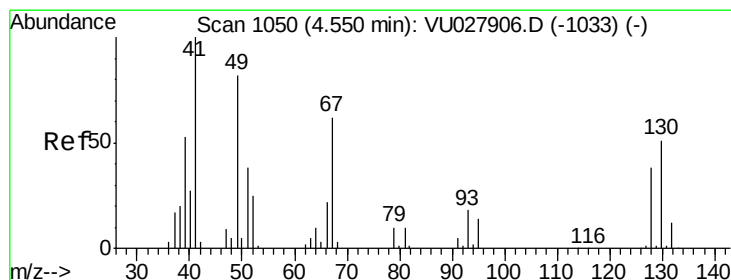
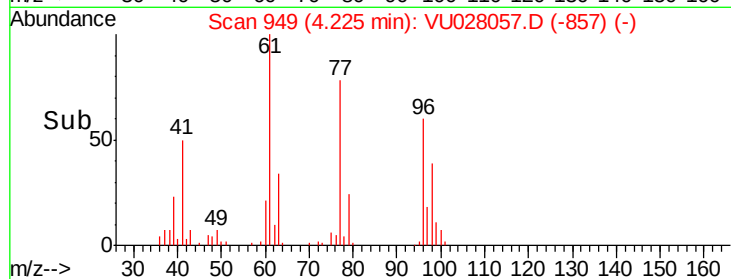
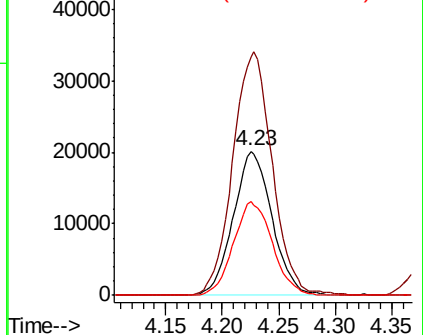
98 65.2 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 22.391 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

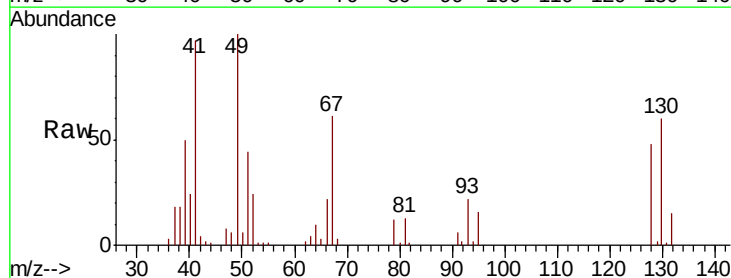
Tgt Ion: 49 Resp: 45607

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.0

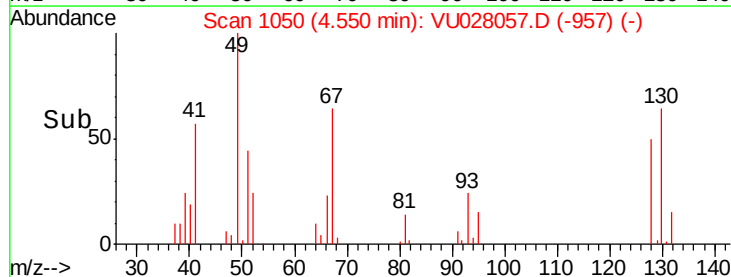
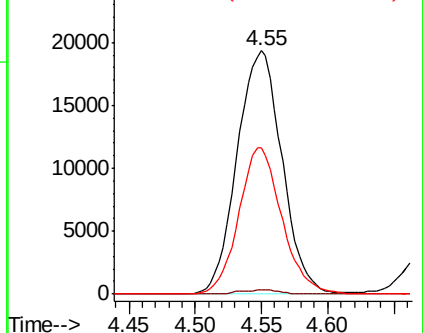
130 57.7 47.8 71.6

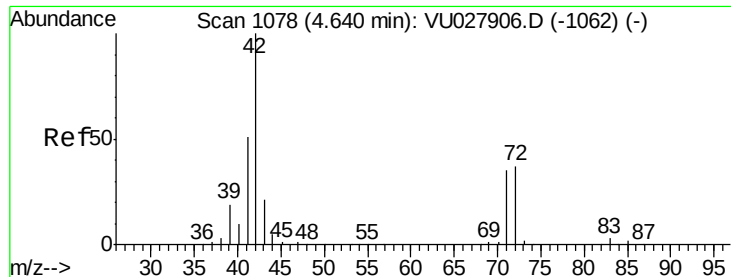


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.255 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

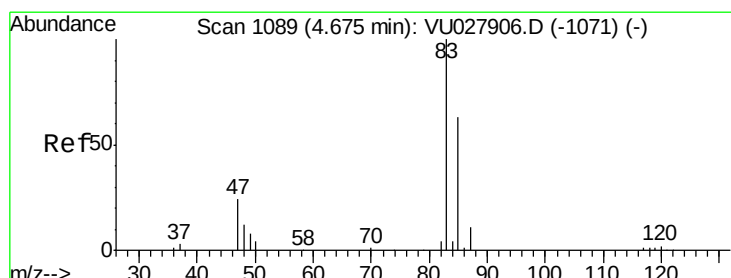
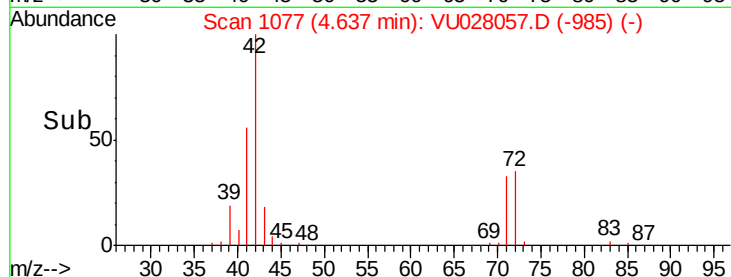
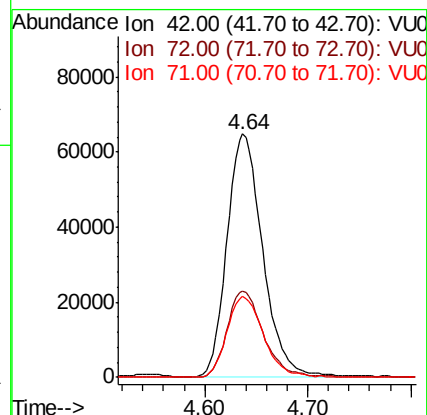
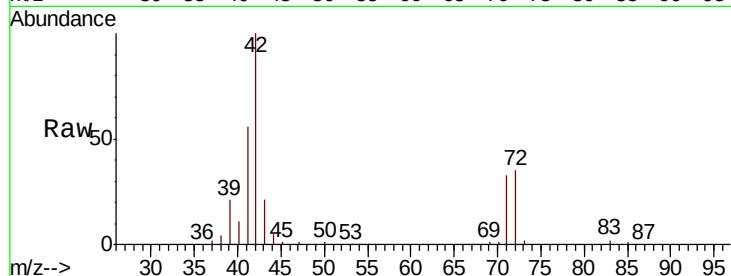
Tot Ion: 42 Resp: 155579

Ion Ratio Lower Upper

42 100

72 36.0 29.4 44.0

71 34.1 27.9 41.9



#30

Chloroform

Concen: 21.645 ug/l

RT: 4.68 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028057.D

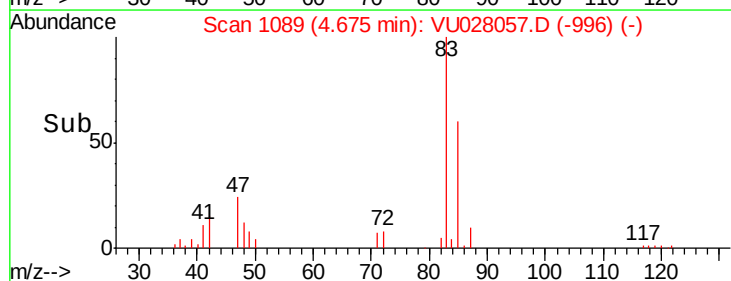
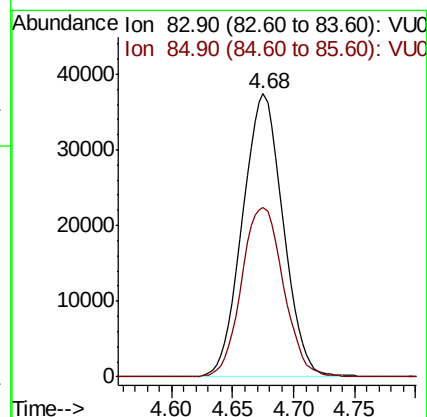
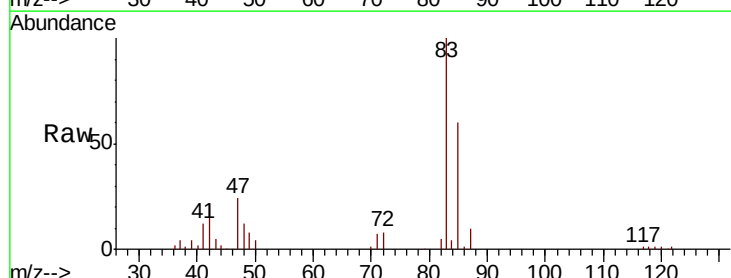
Acq: 12 Nov 2018 12:08

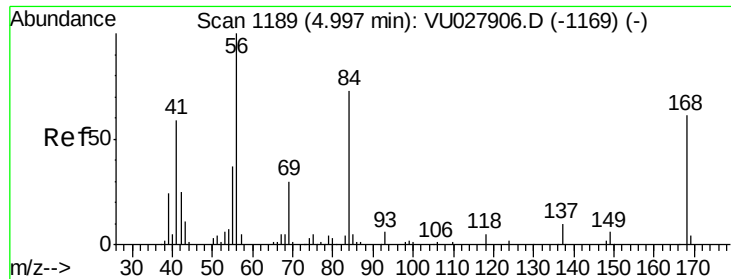
Tgt Ion: 83 Resp: 86230

Ion Ratio Lower Upper

83 100

85 59.7 50.6 76.0

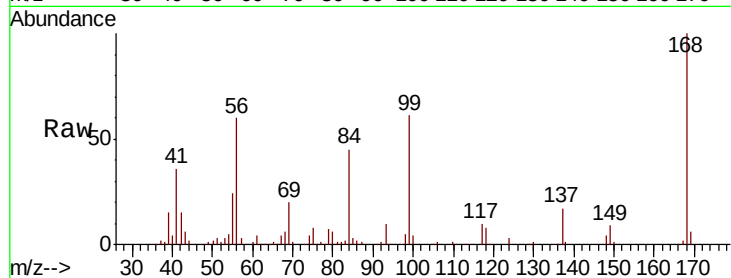




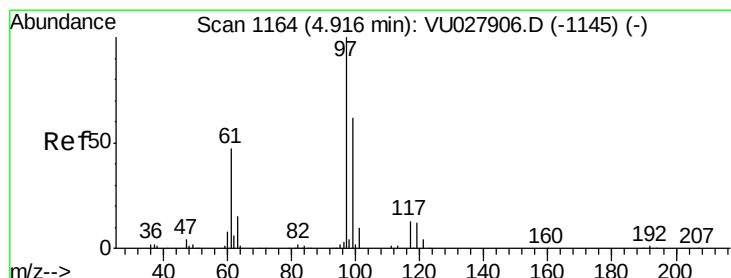
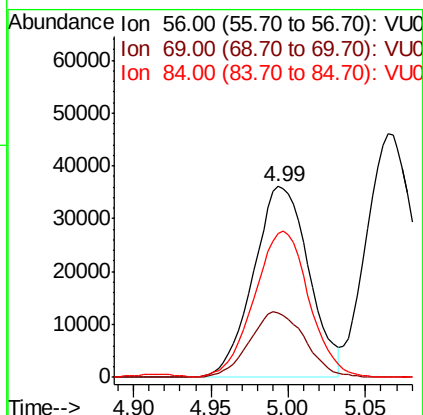
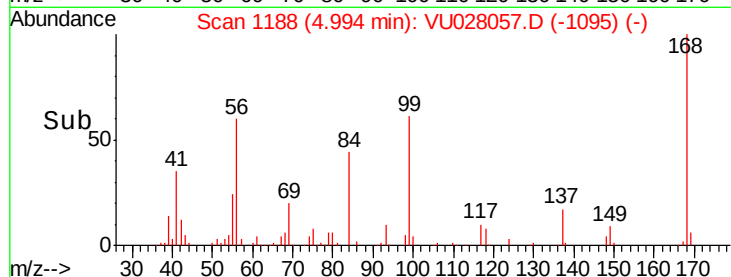
#31
Cyclohexane
Concen: 20.144 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tot Ion: 56 Resp: 90188
Ion Ratio Lower Upper
56 100
69 33.9 23.7 35.5
84 74.9 58.2 87.4

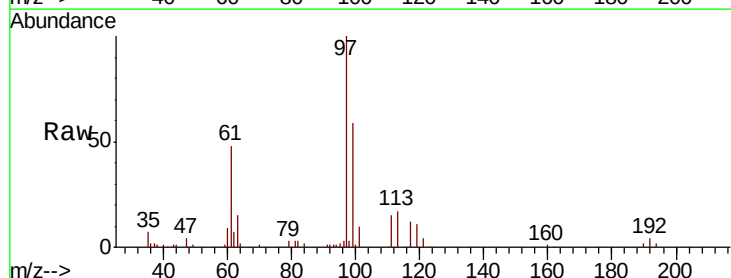


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

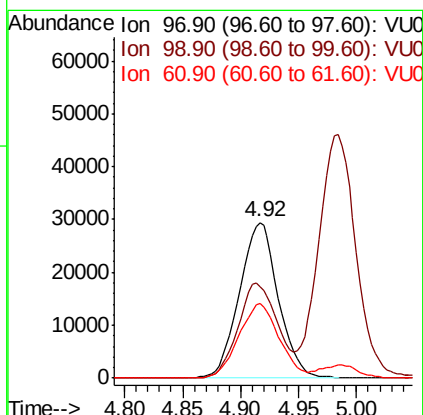
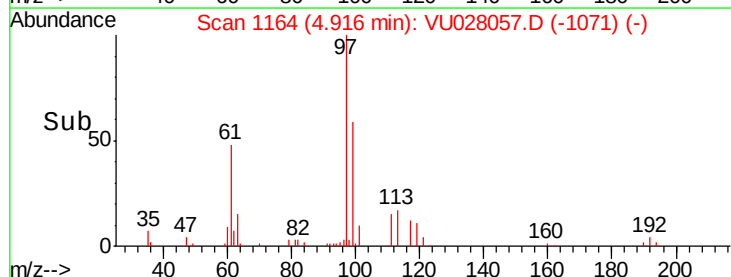


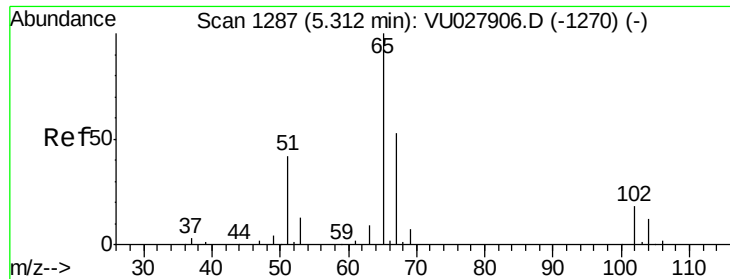
#32
1,1,1-Trichloroethane
Concen: 21.632 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 97 Resp: 68599
Ion Ratio Lower Upper
97 100
99 61.6 50.5 75.7
61 49.8 38.3 57.5



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

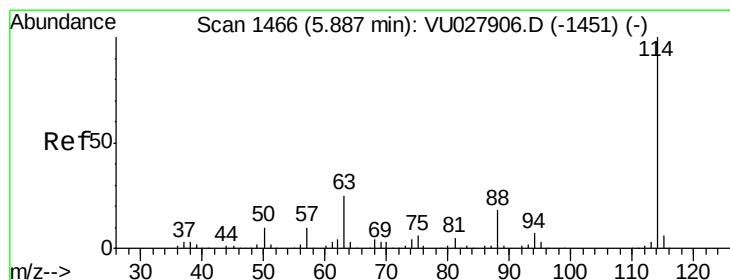
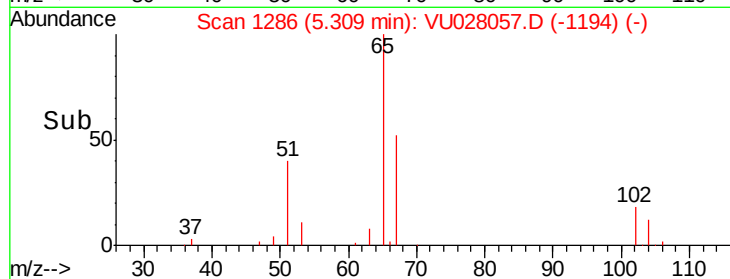
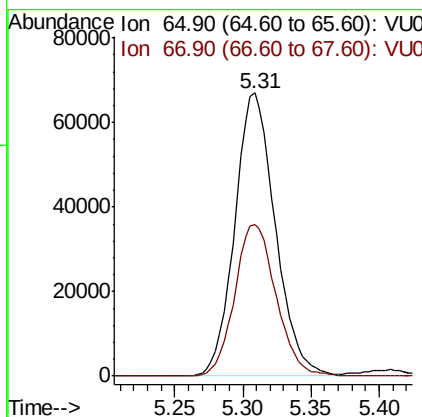
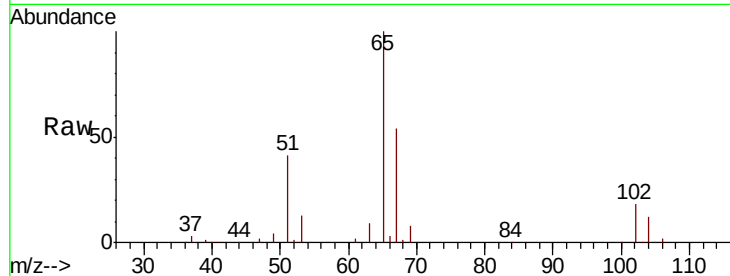




#33
 1,2-Dichloroethane-d4
 Concen: 56.296 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

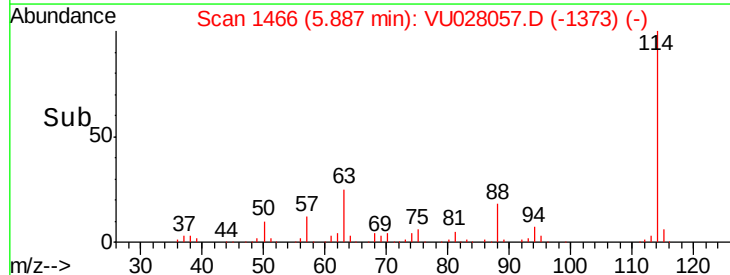
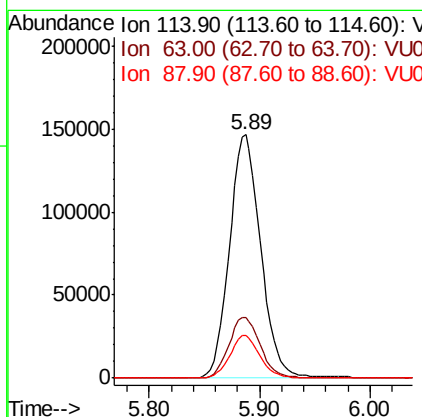
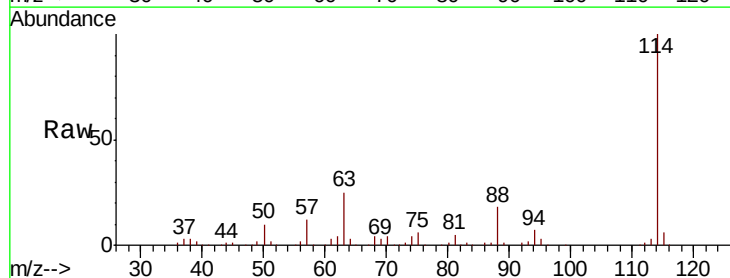
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

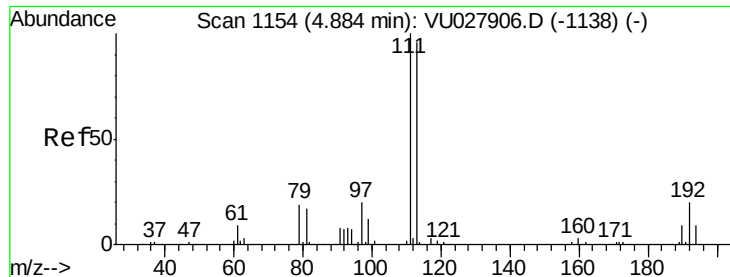
Tot Ion: 65 Resp: 138056
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 114 Resp: 287717
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.8
 88 17.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 55.486 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

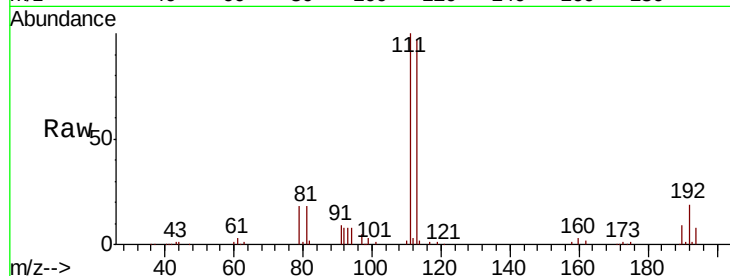
Tot Ion:113 Resp: 100657

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

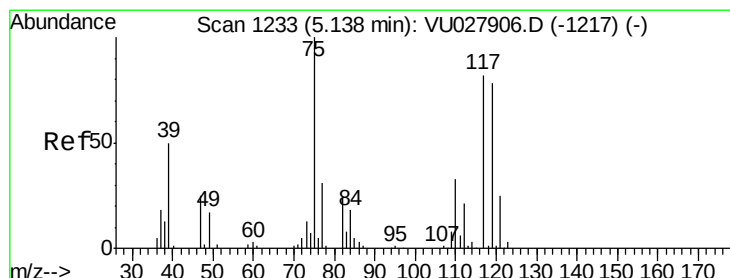
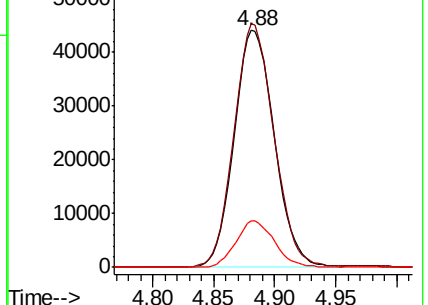
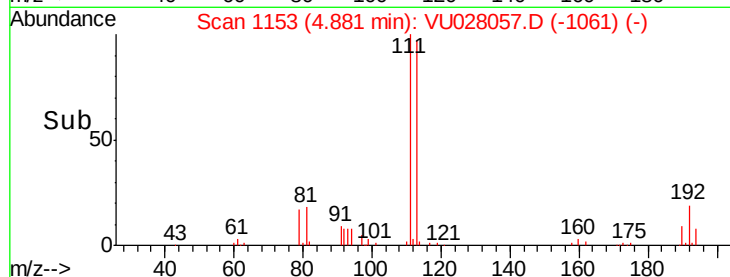
192 18.8 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.602 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

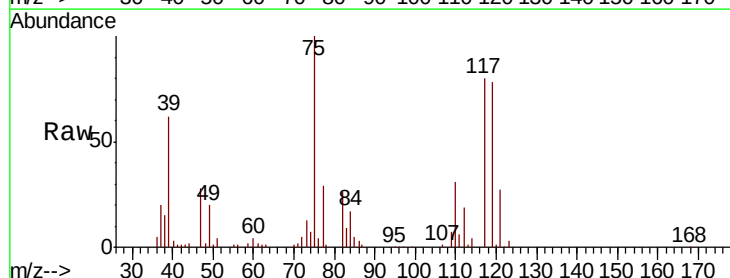
Tgt Ion: 75 Resp: 62080

Ion Ratio Lower Upper

75 100

110 33.0 16.5 49.5

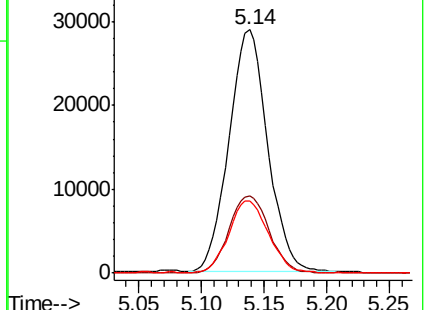
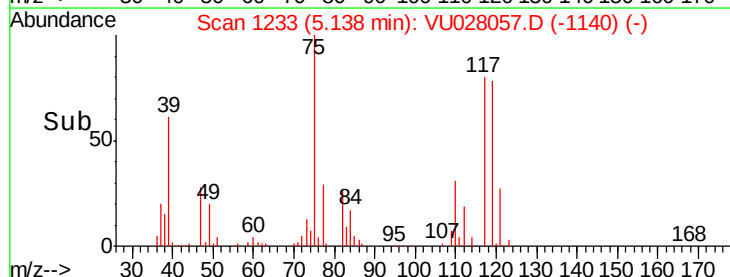
77 30.8 24.9 37.3

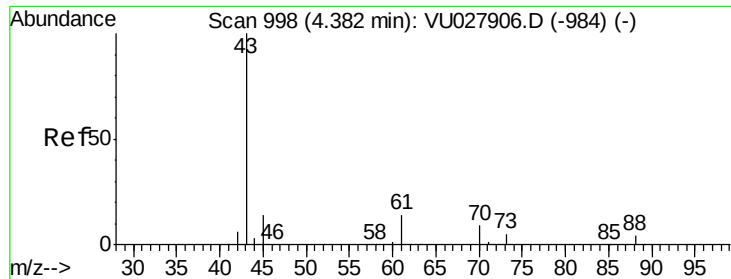


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

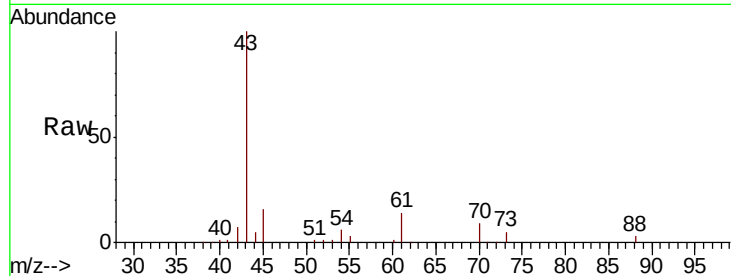




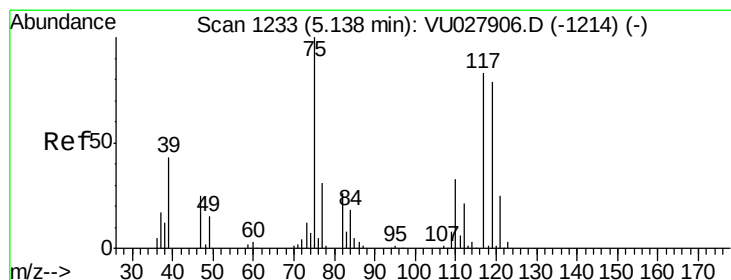
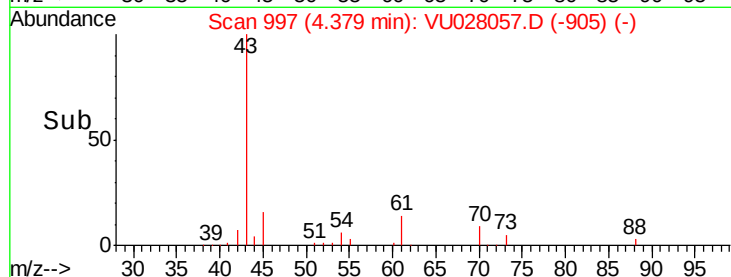
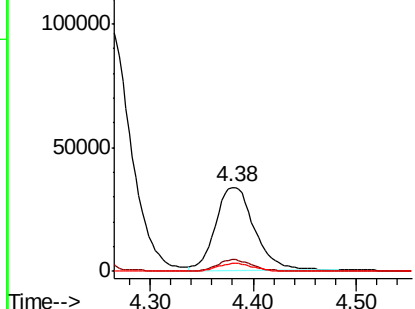
#37
Ethyl Acetate
Concen: 19.857 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tot Ion: 43 Resp: 87674
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 8.7 7.0 10.6

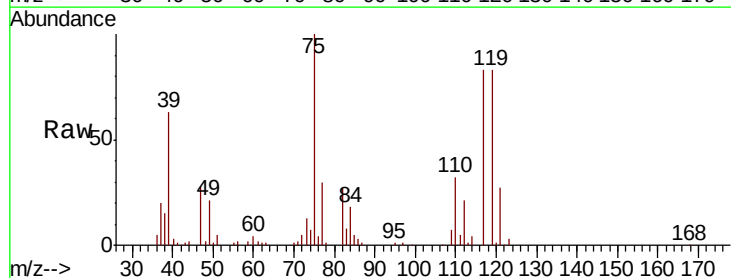


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

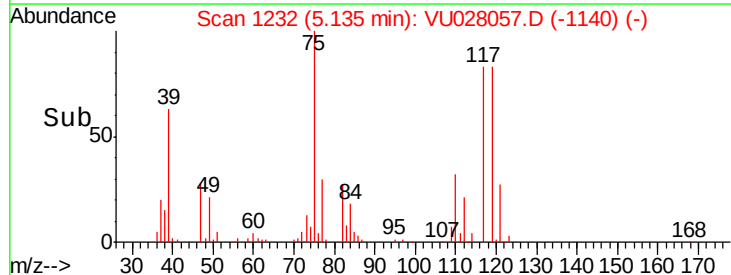
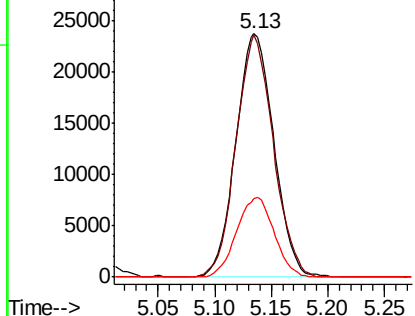


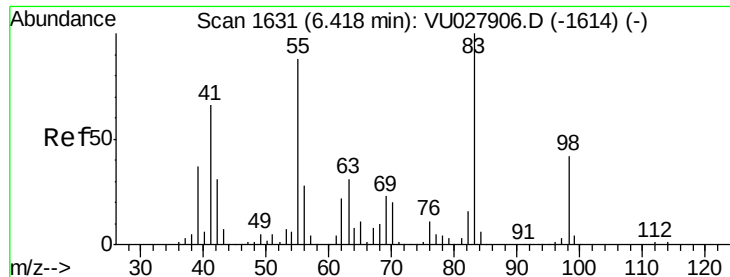
#38
Carbon Tetrachloride
Concen: 20.799 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 117 Resp: 55542
Ion Ratio Lower Upper
117 100
119 99.3 76.0 114.0
121 32.1 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

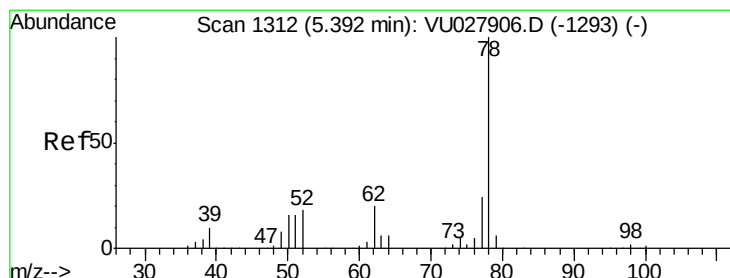
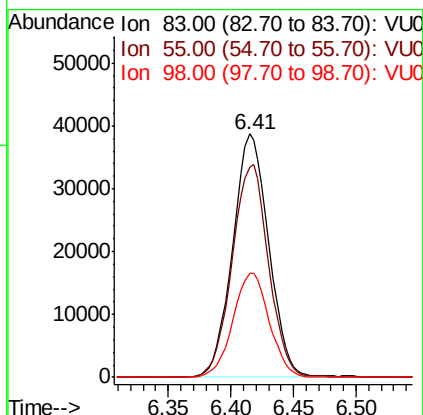
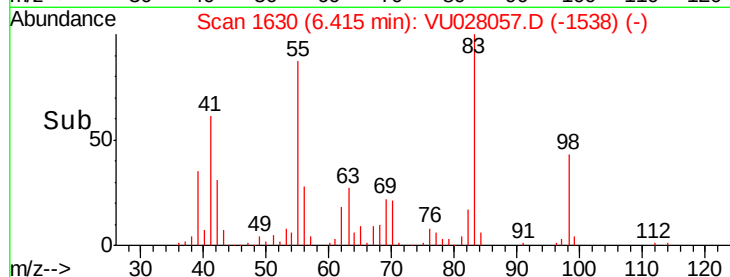
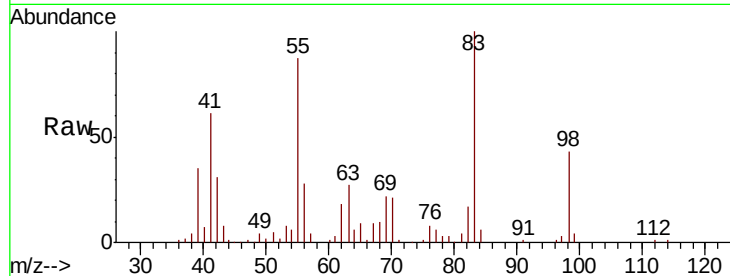




#39
Methylvlcyclohexane
Concen: 21.273 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

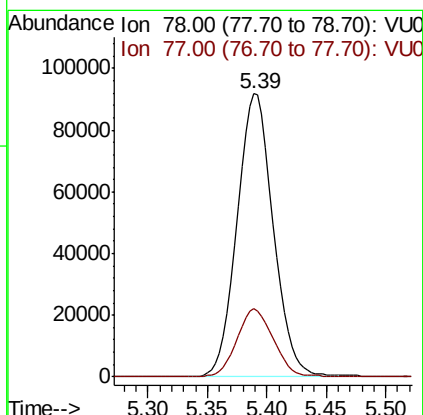
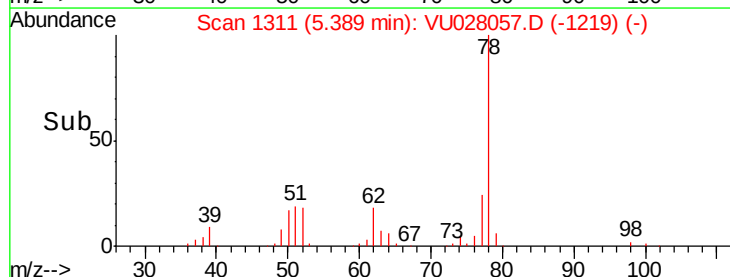
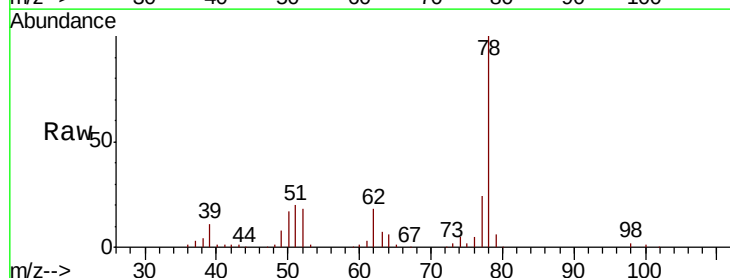
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

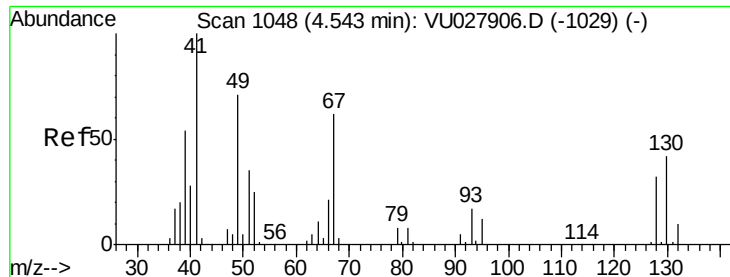
Tot Ion: 83 Resp: 77316
Ion Ratio Lower Upper
83 100
55 86.6 70.3 105.5
98 42.7 34.0 51.0



#40
Benzene
Concen: 21.024 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 78 Resp: 193691
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

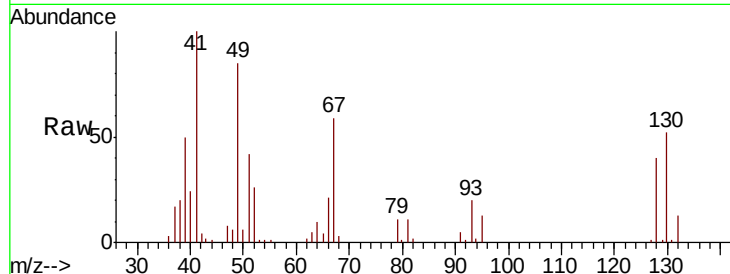




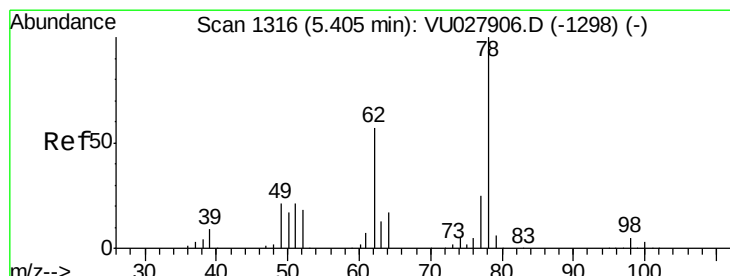
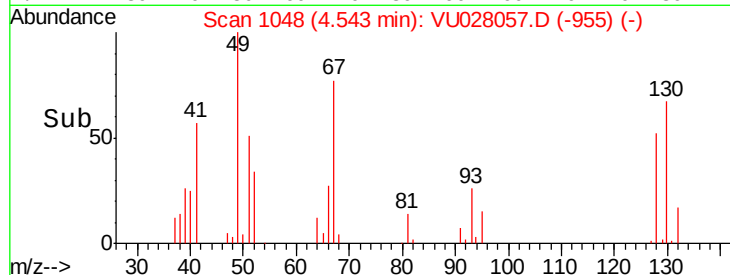
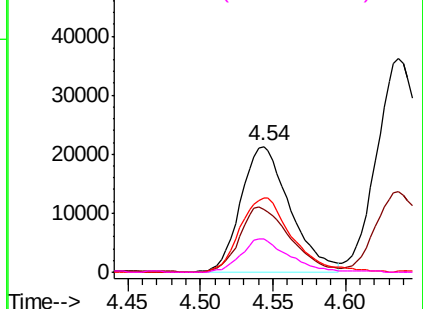
#41
Methacrylonitrile
Concen: 21.361 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tot Ion:	41	Resp:	50332
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.2	63.4
67	62.3	49.5	74.3
52	26.2	20.5	30.7

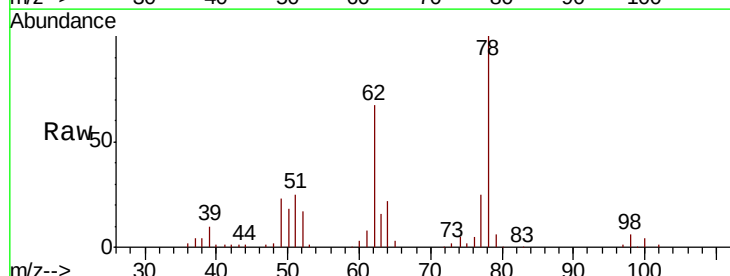


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

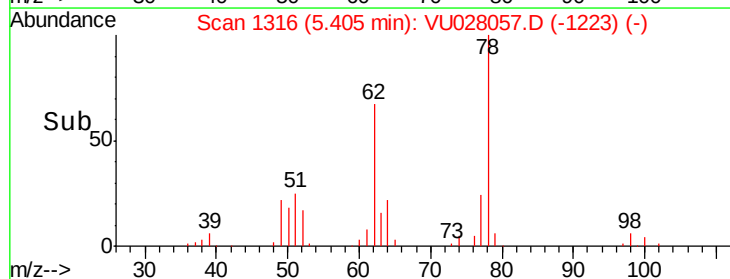
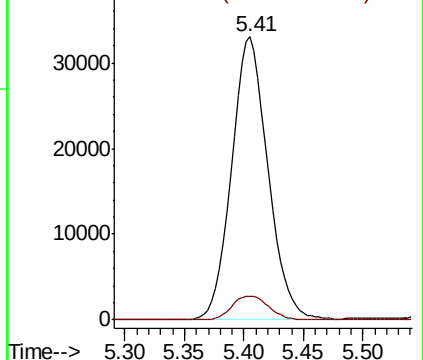


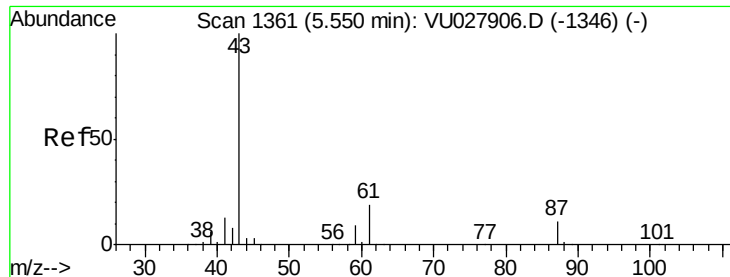
#42
1,2-Dichloroethane
Concen: 21.359 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion:	62	Resp:	69947
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 20.349 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

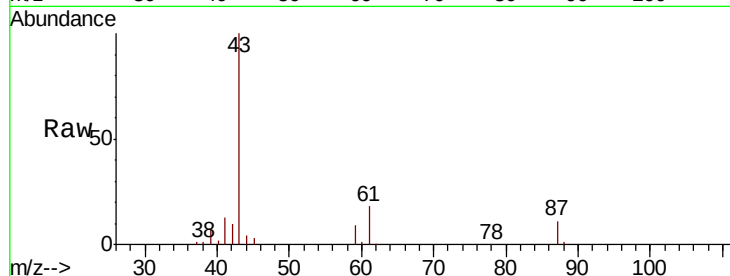
Tot Ion: 43 Resp: 140761

Ion Ratio Lower Upper

43 100

61 18.6 15.0 22.4

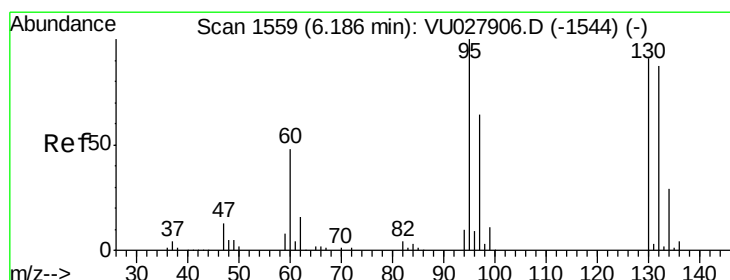
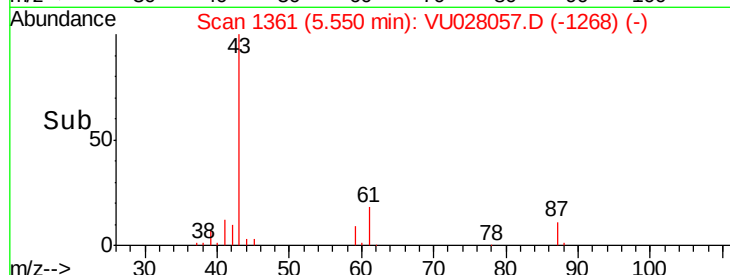
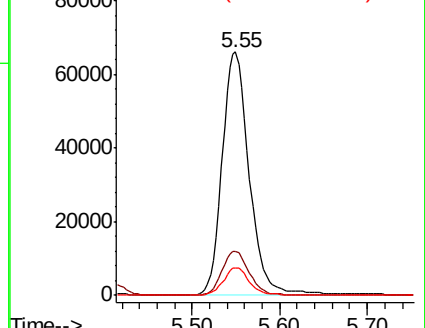
87 11.0 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 21.157 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028057.D

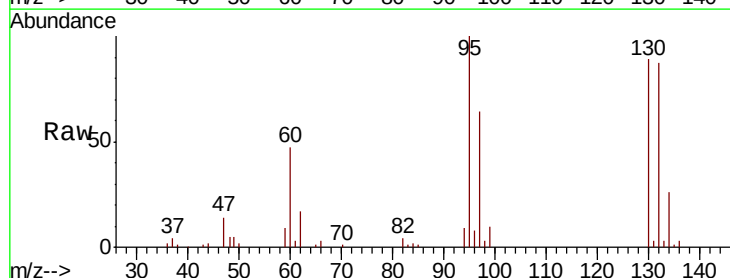
Acq: 12 Nov 2018 12:08

Tgt Ion:130 Resp: 41899

Ion Ratio Lower Upper

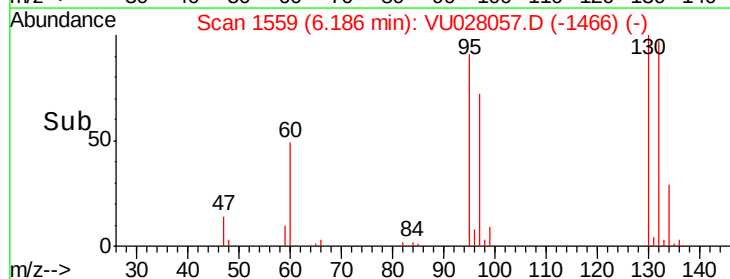
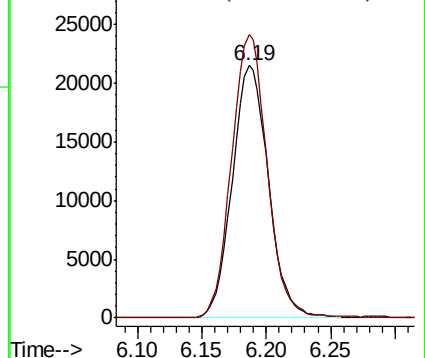
130 100

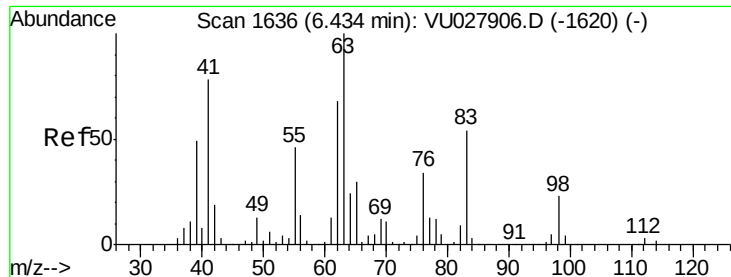
95 112.1 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 21.877 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

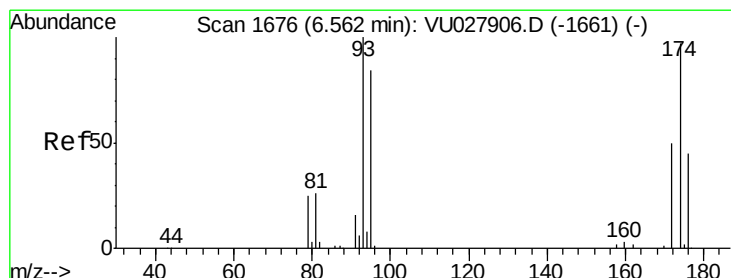
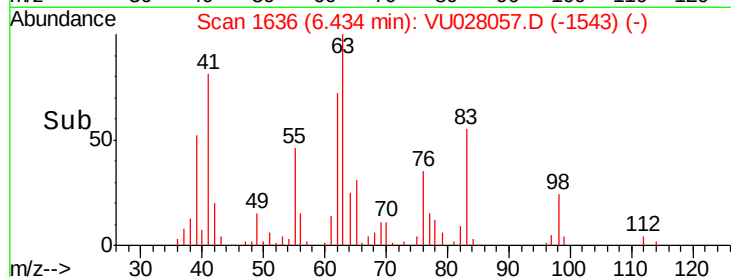
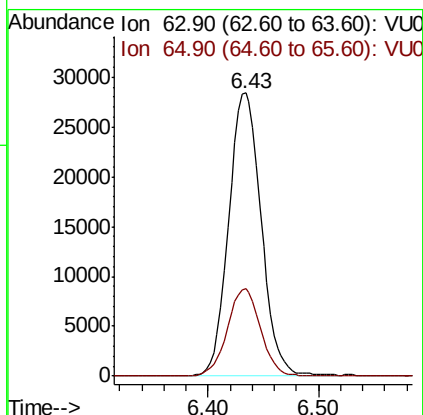
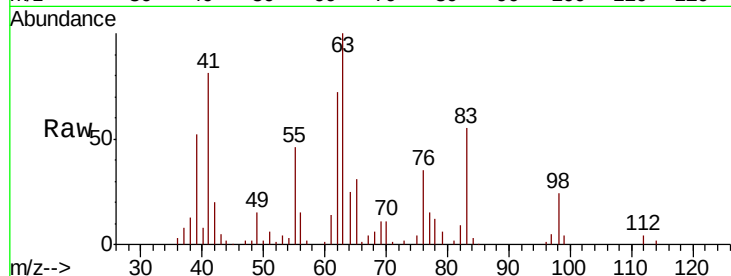
VU1112WBS01

Tot Ion: 63 Resp: 58127

Ion Ratio Lower Upper

63 100

65 31.1 24.4 36.6



#46

Dibromomethane

Concen: 21.957 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

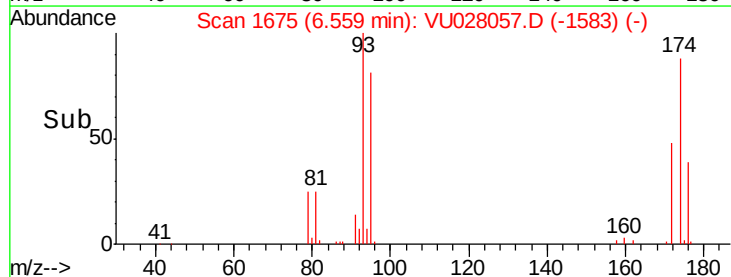
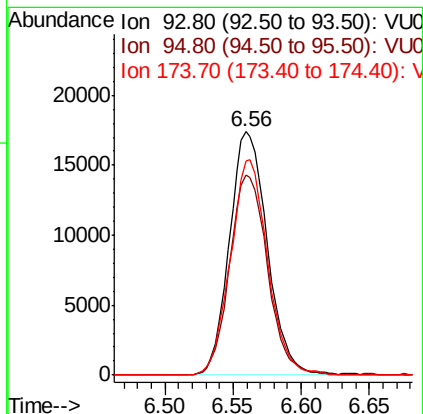
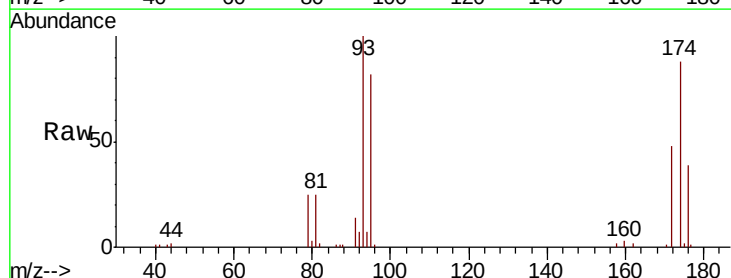
Tgt Ion: 93 Resp: 33534

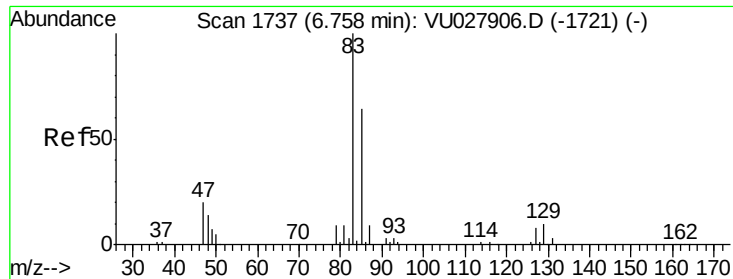
Ion Ratio Lower Upper

93 100

95 82.4 68.5 102.7

174 87.1 76.1 114.1

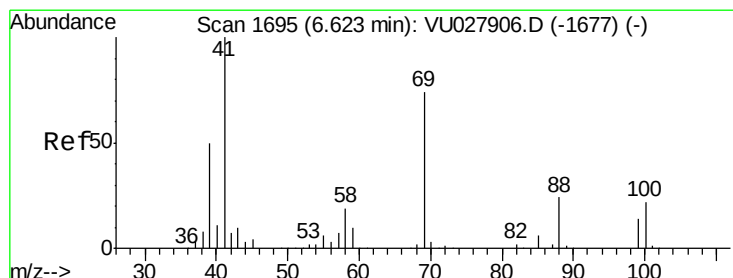
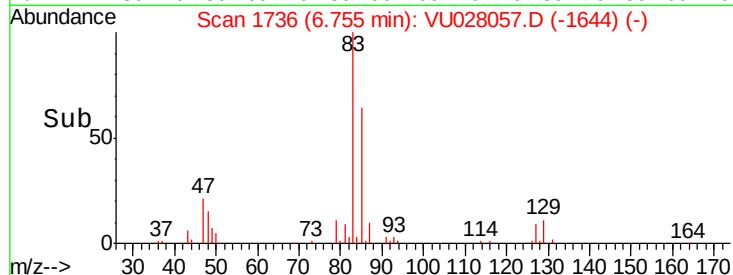
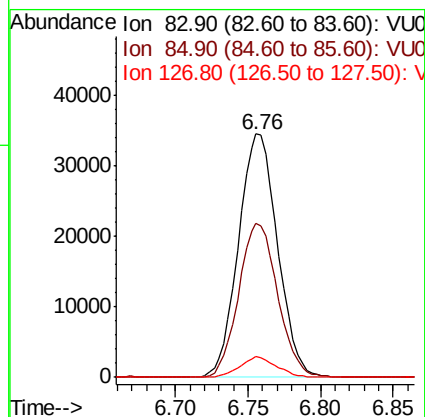
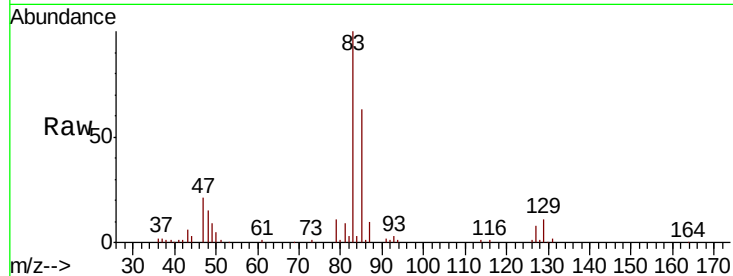




#47
 Bromodichloromethane
 Concen: 21.930 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

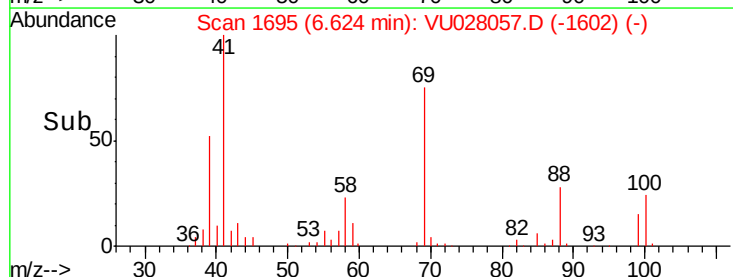
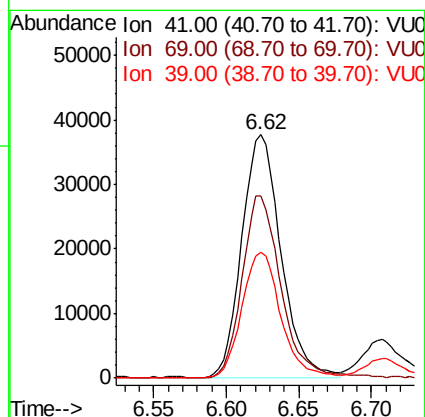
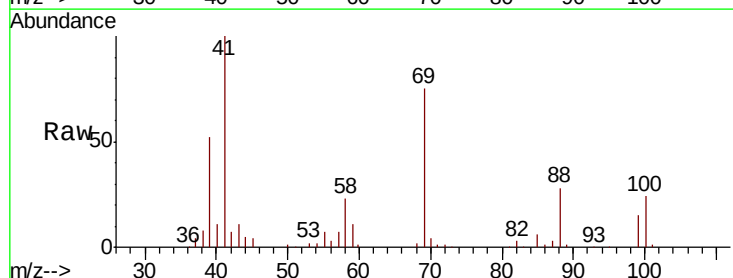
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

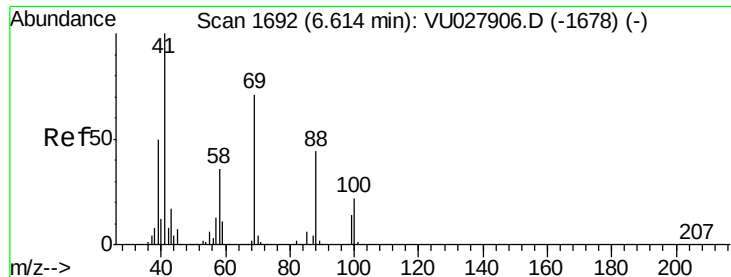
Tot Ion: 83 Resp: 64543
 Ion Ratio Lower Upper
 83 100
 85 63.1 51.0 76.6
 127 8.4 6.2 9.4



#48
 Methyl methacrylate
 Concen: 21.109 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 41 Resp: 71555
 Ion Ratio Lower Upper
 41 100
 69 73.9 59.8 89.8
 39 51.1 40.0 60.0

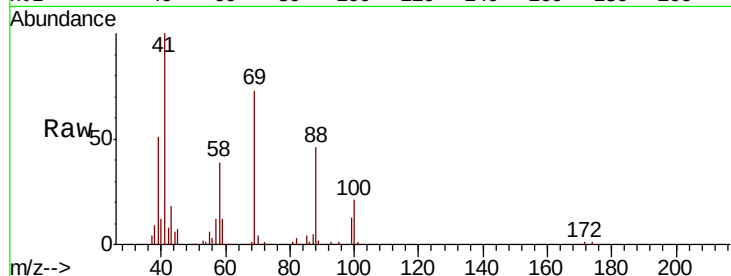




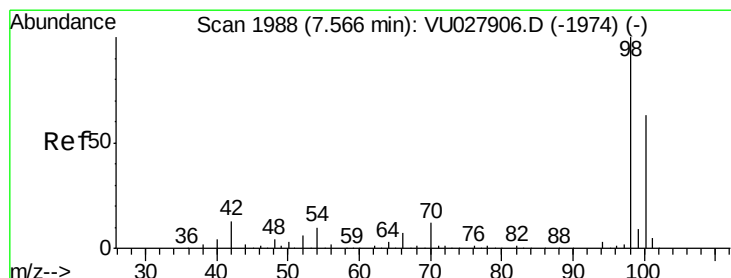
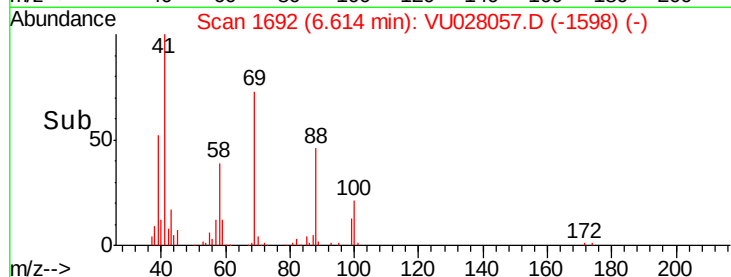
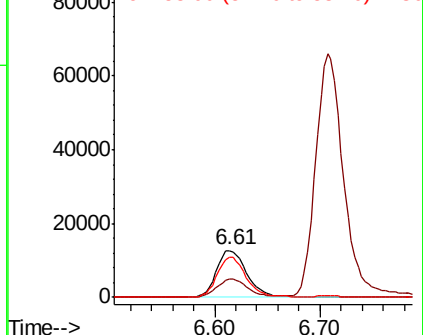
#49
 1,4-Dioxane
 Concen: 464.136 ug/l
 RT: 6.61 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tot Ion: 88 Resp: 25669
 Ion Ratio Lower Upper
 88 100
 43 40.4 30.5 45.7
 58 81.5 67.1 100.7

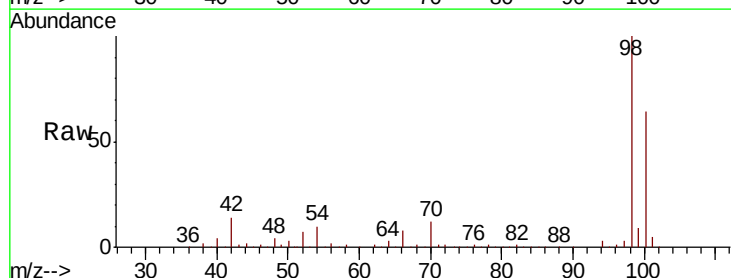


Abundance Ion 88.00 (87.70 to 88.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

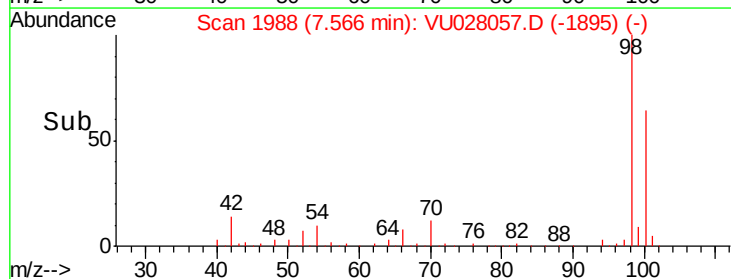
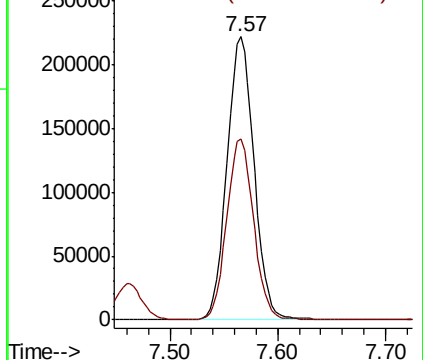


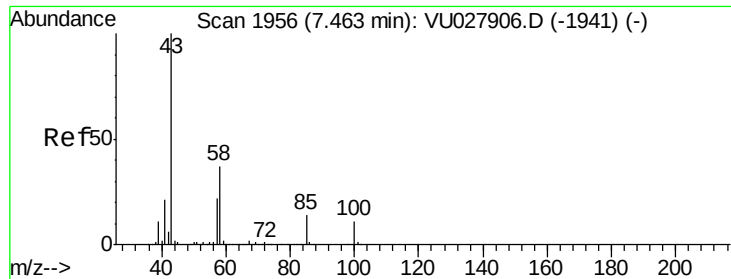
#50
 Toluene-d8
 Concen: 55.448 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 98 Resp: 388561
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.1 75.1



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





#51

4-Methyl-2-Pentanone

Concen: 99.940 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

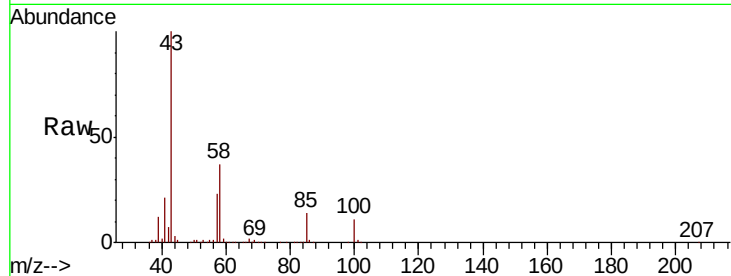
VU1112WBS01

Tot Ion: 43 Resp: 461689

Ion Ratio Lower Upper

43 100

58 36.5 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

250000

200000

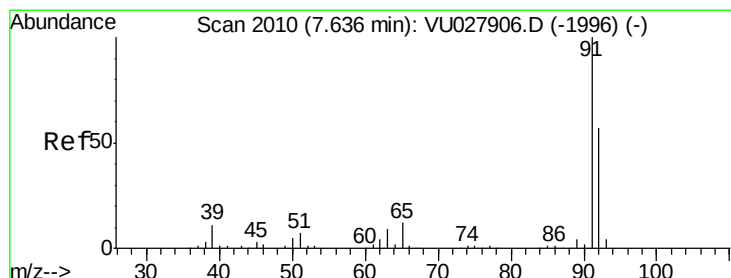
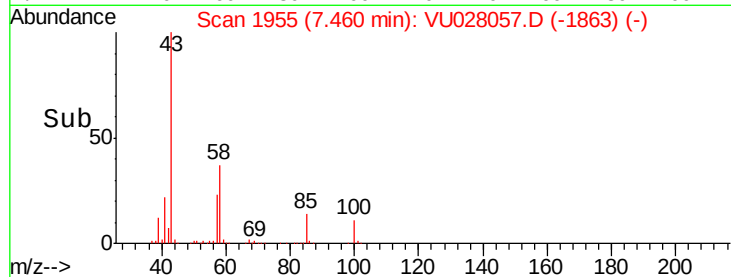
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.934 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028057.D

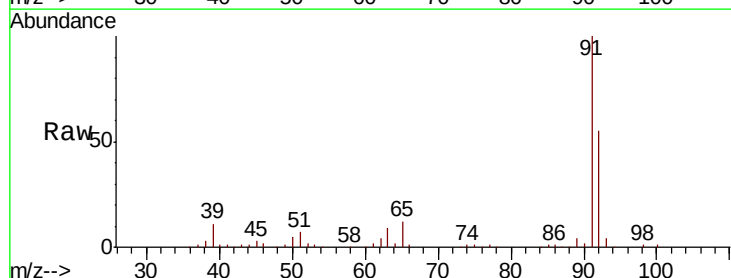
Acq: 12 Nov 2018 12:08

Tgt Ion: 92 Resp: 113385

Ion Ratio Lower Upper

92 100

91 181.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

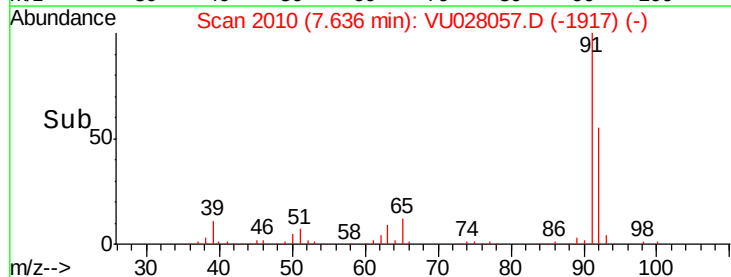
7.64

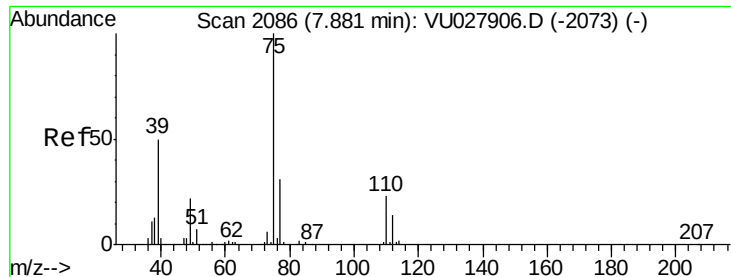
100000

50000

0

Time-->

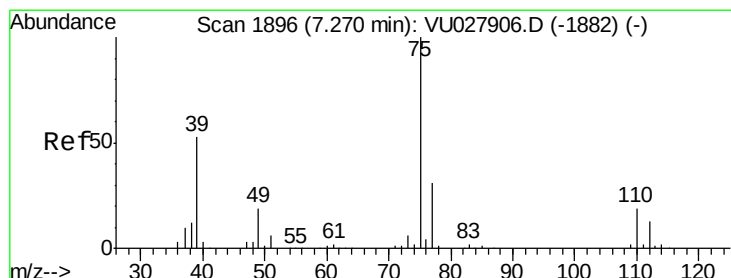
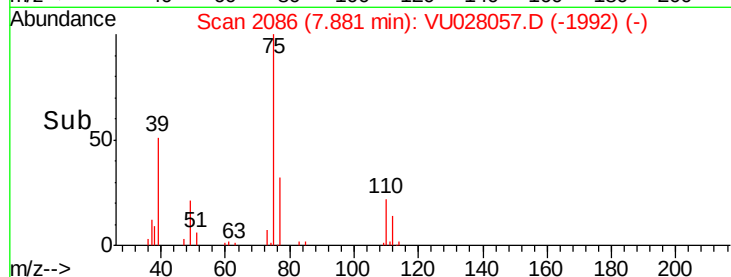
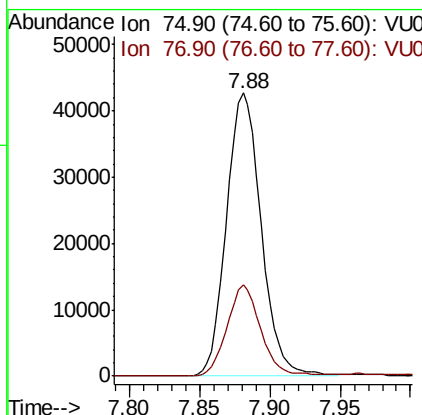
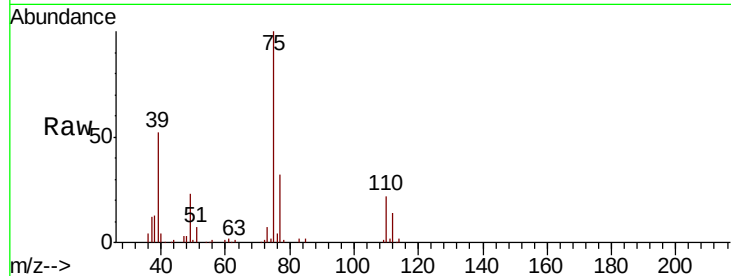




#53
t-1,3-Dichloropropene
Concen: 20.816 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

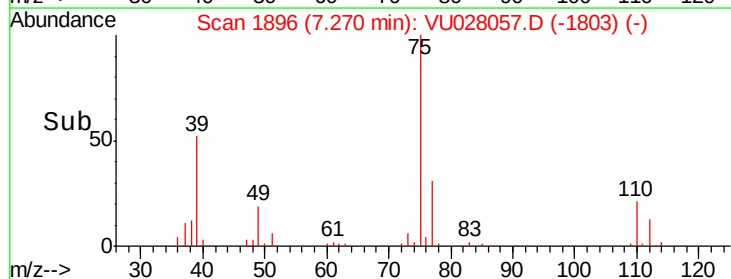
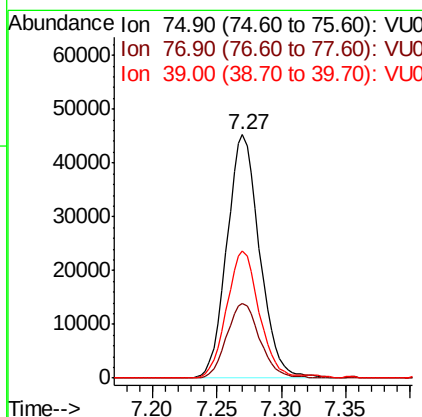
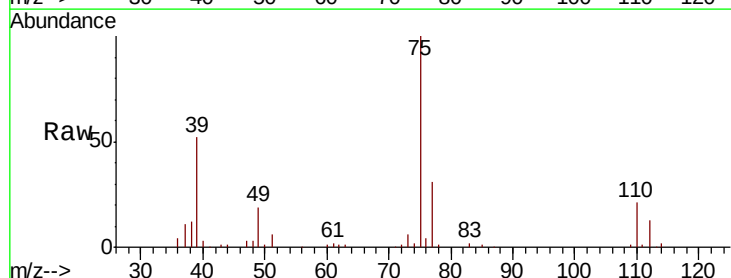
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

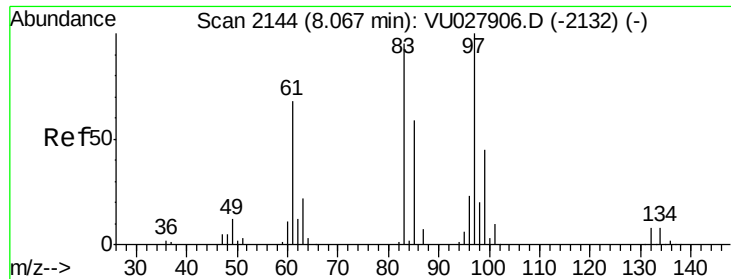
Tot Ion: 75 Resp: 73537
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 22.009 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 75 Resp: 79855
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0
39 51.9 42.6 64.0

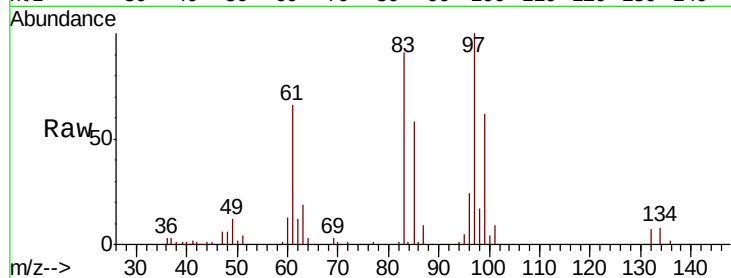




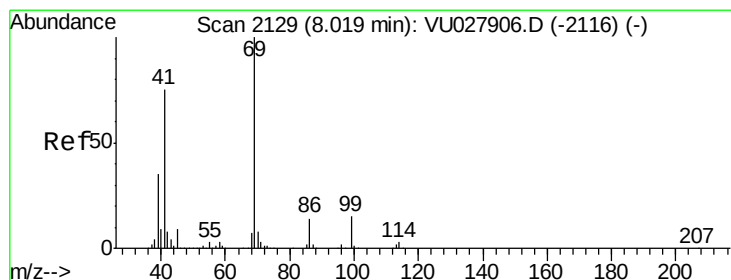
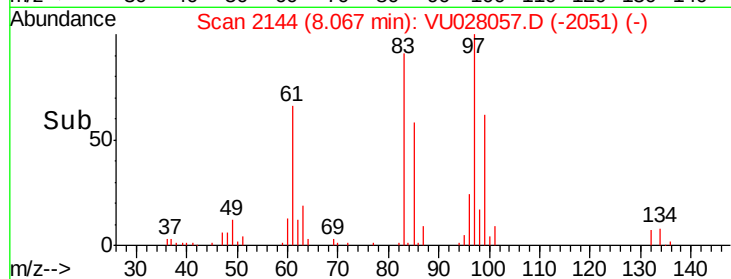
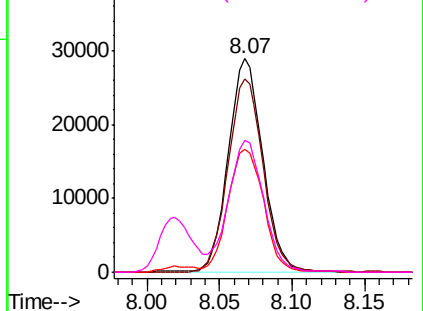
#55
 1,1,2-Trichloroethane
 Concen: 21.574 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tot Ion:	97	Resp:	47539
Ion	Ratio	Lower	Upper
97	100		
83	90.7	76.1	114.1
85	57.3	48.9	73.3
99	61.2	52.0	78.0

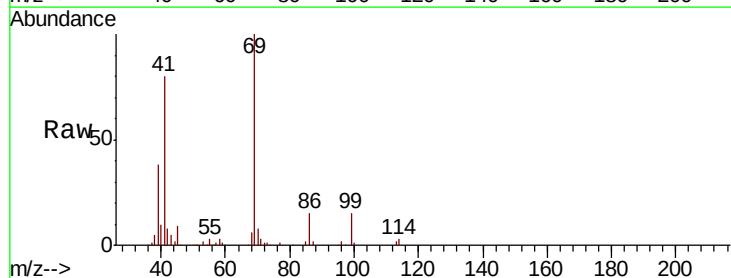


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

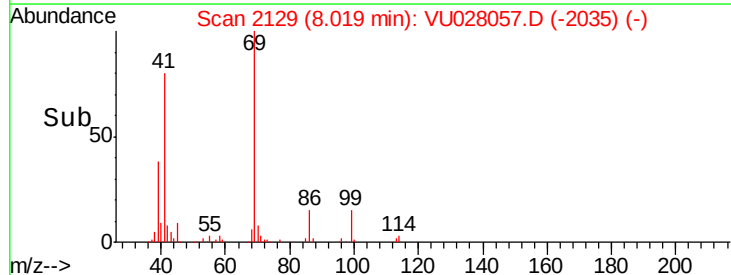
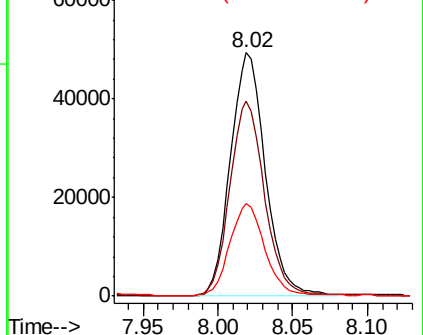


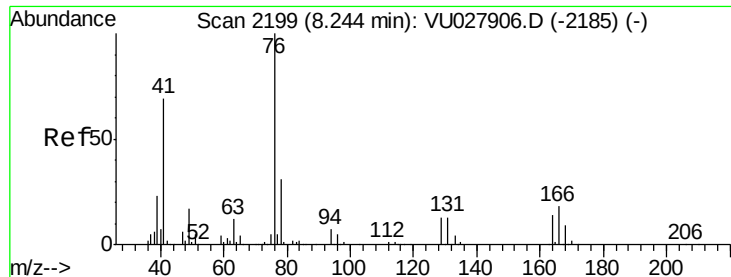
#56
 Ethyl methacrylate
 Concen: 20.667 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion:	69	Resp:	80312
Ion	Ratio	Lower	Upper
69	100		
41	80.2	59.8	89.6
39	37.2	28.6	42.8



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

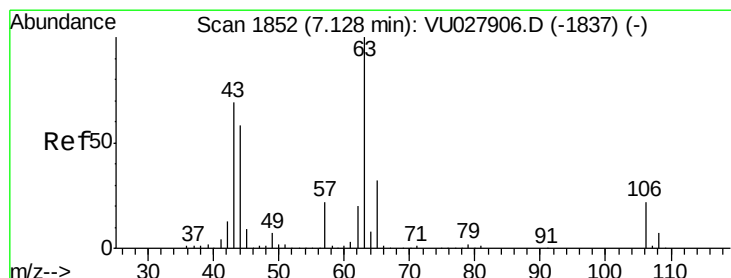
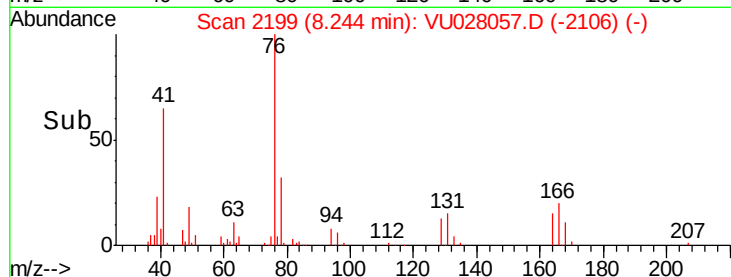
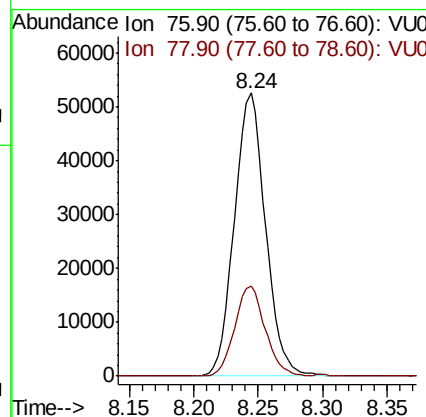
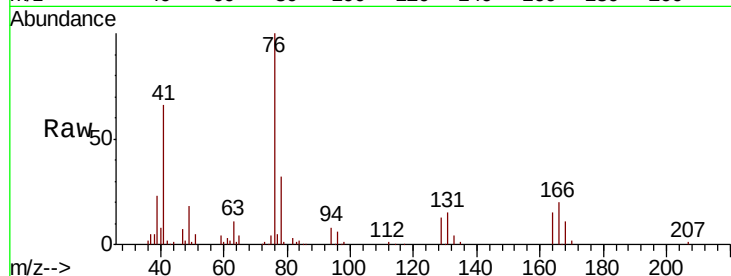




#57
 1,3-Dichloropropane
 Concen: 22.000 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

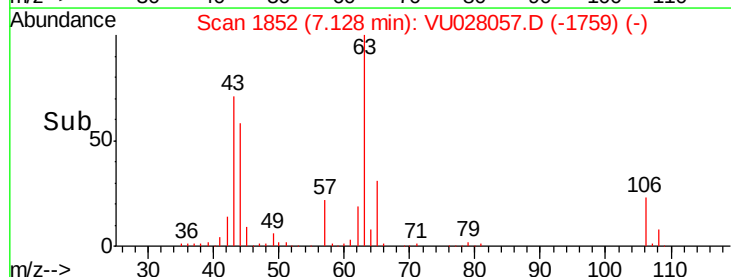
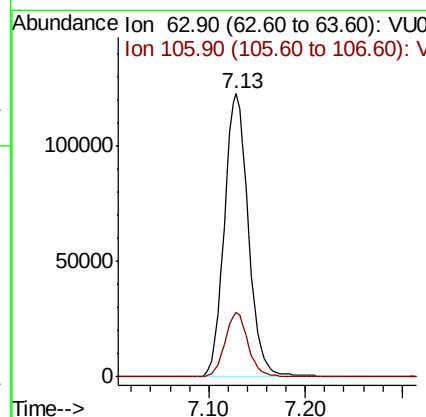
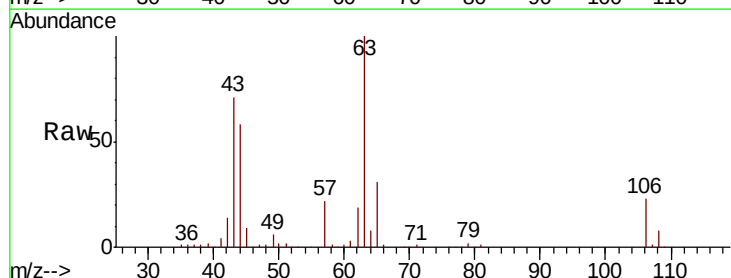
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

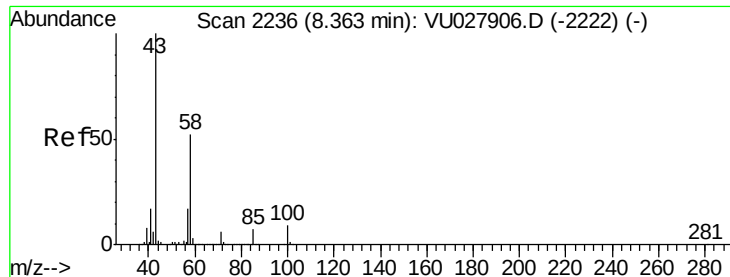
Tot Ion: 76 Resp: 88307
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.588 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 63 Resp: 211428
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6

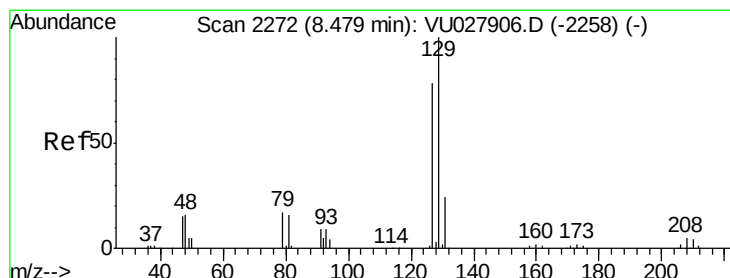
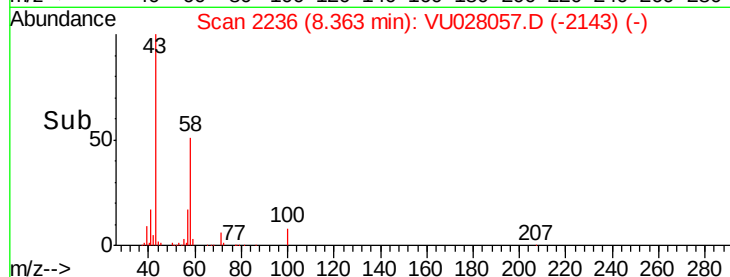
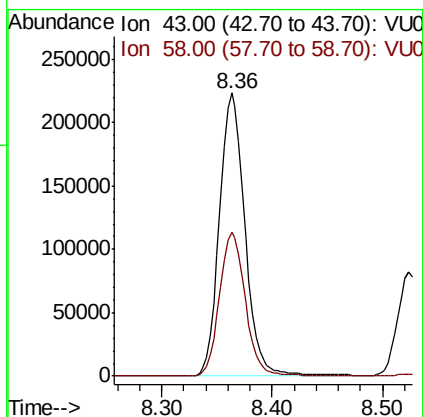
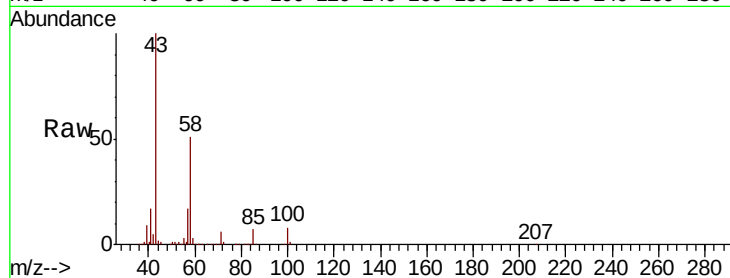




#59
2-Hexanone
Concen: 100.636 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

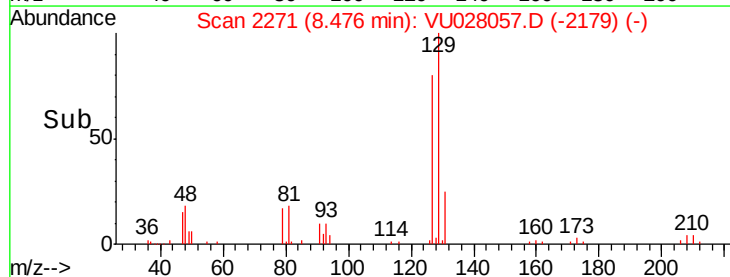
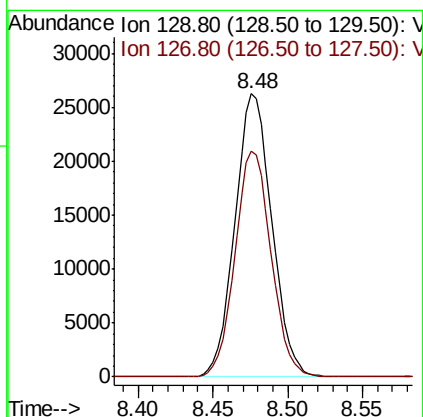
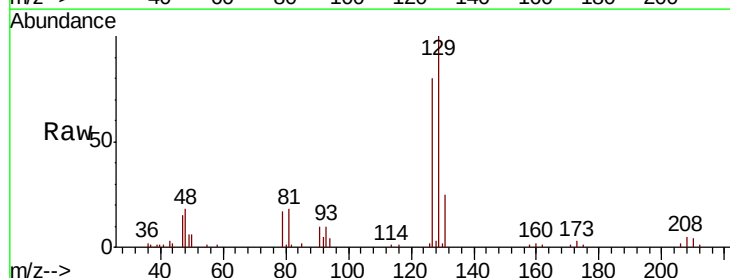
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

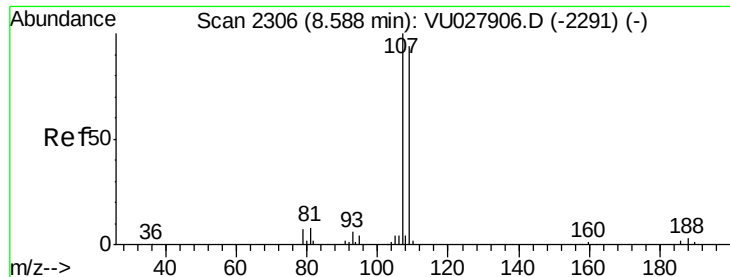
Tot Ion: 43 Resp: 359572
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 21.595 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 129 Resp: 45030
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6

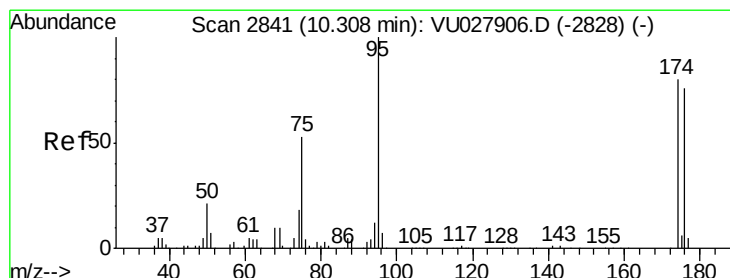
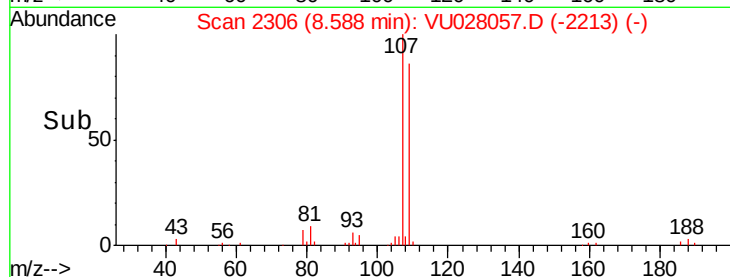
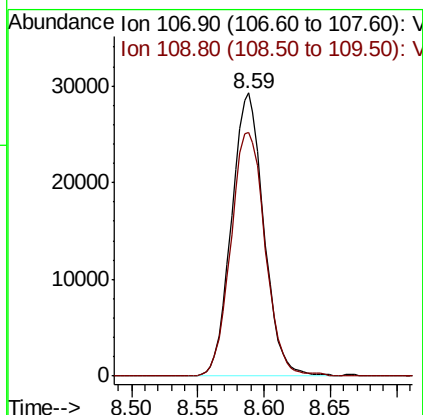
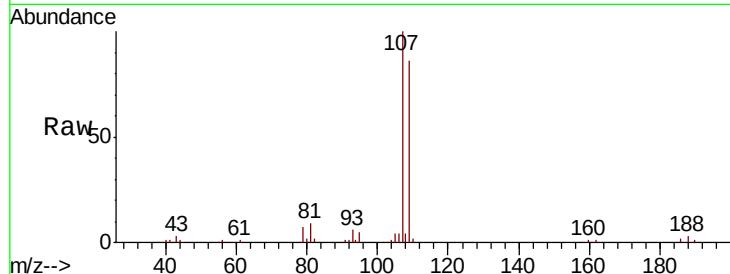




#61
 1,2-Dibromoethane
 Concen: 21.179 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

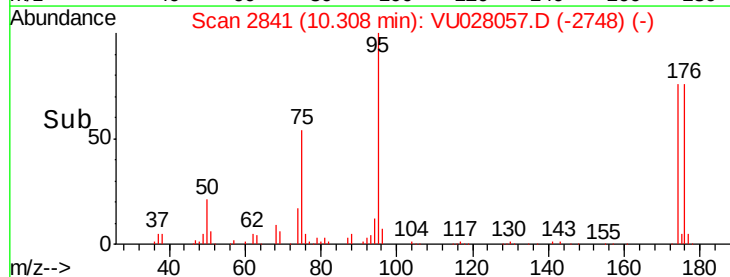
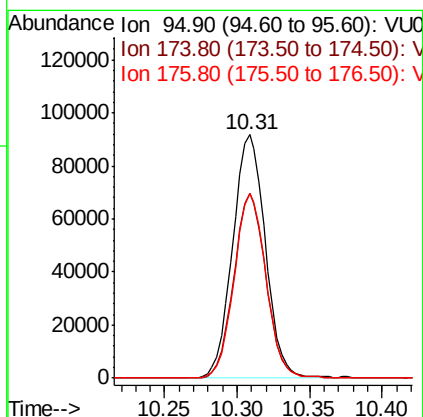
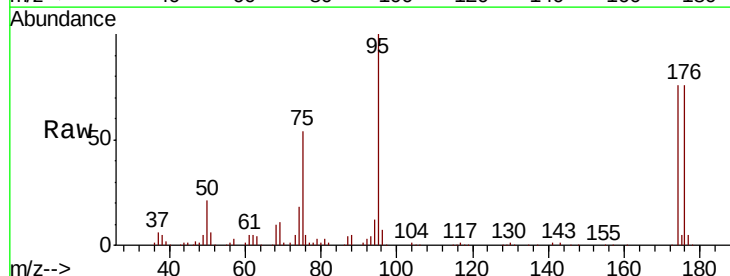
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

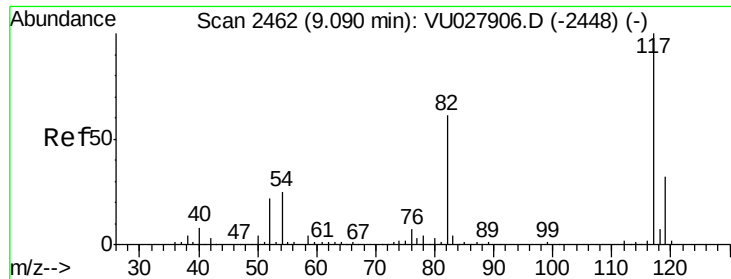
Tot Ion:107 Resp: 49589
 Ion Ratio Lower Upper
 107 100
 109 91.3 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 55.414 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 95 Resp: 143233
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 156.4
 176 74.2 0.0 150.8

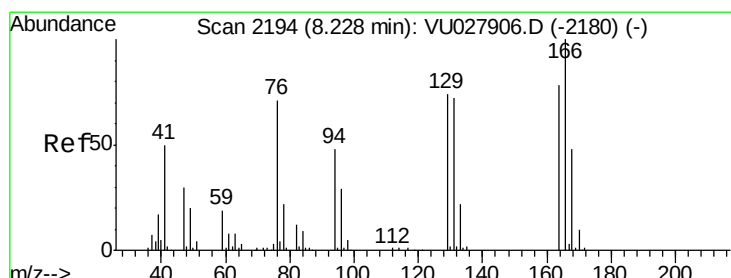
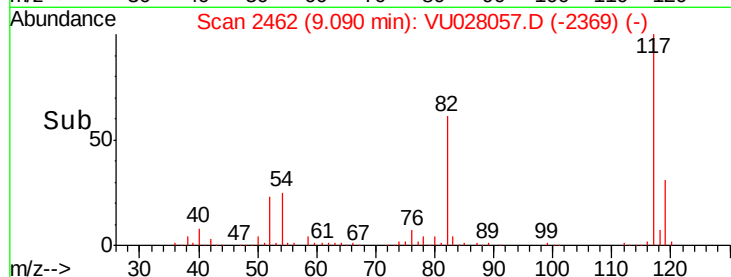
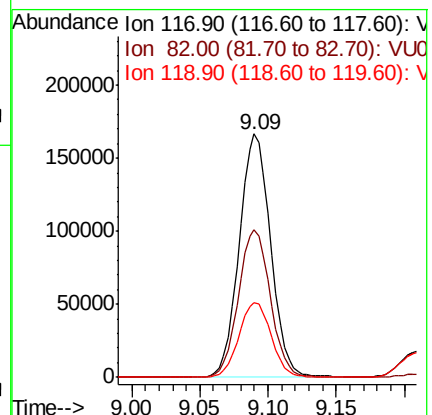
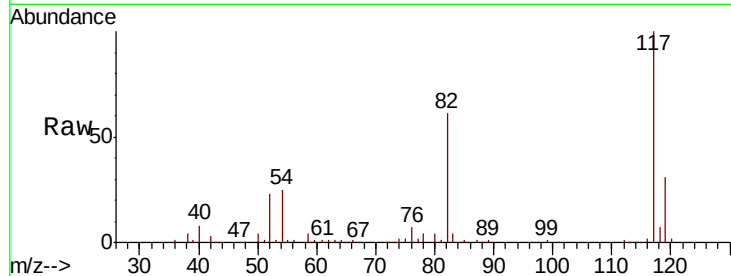




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

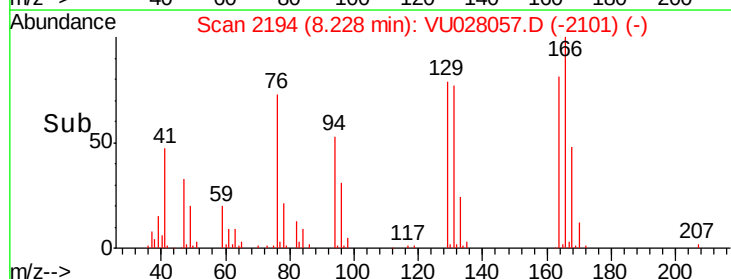
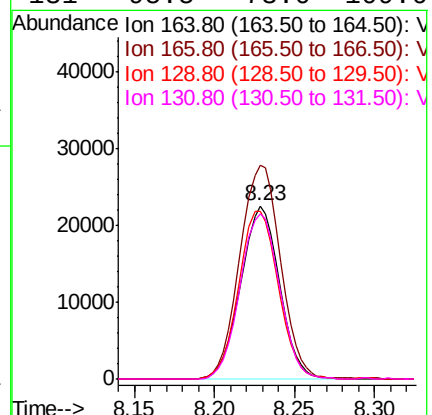
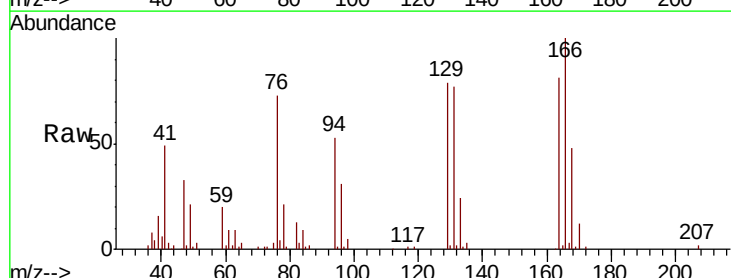
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

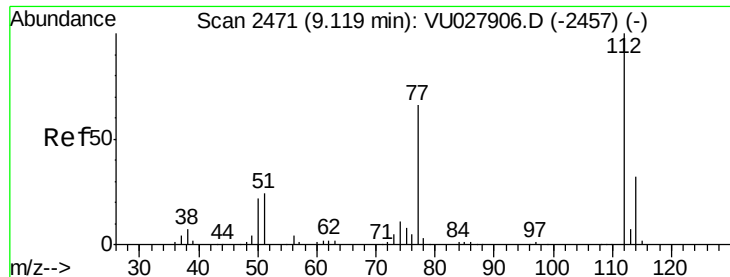
Tot Ion:117 Resp: 266796
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 30.9 25.8 38.8



#64
Tetrachloroethene
Concen: 21.495 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion:164 Resp: 37186
Ion Ratio Lower Upper
164 100
166 123.5 102.1 153.1
129 97.1 75.9 113.9
131 95.5 73.0 109.6

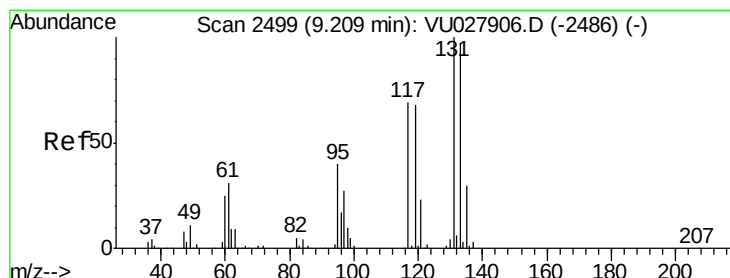
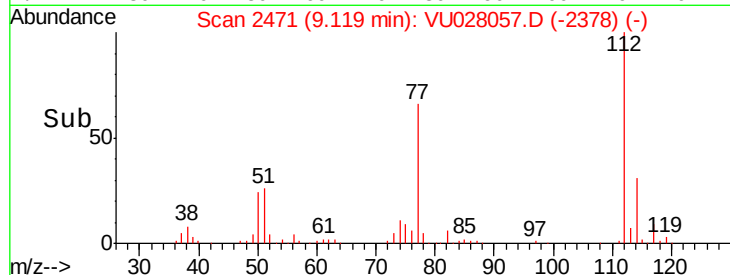
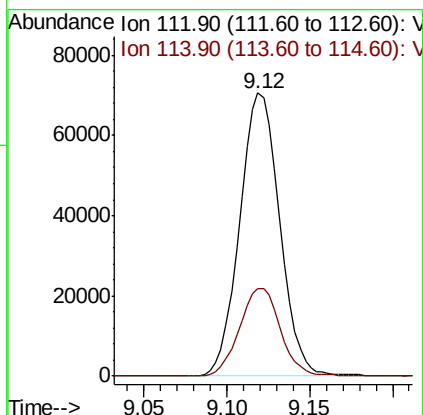
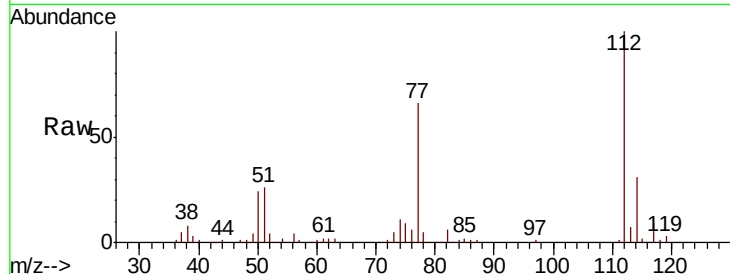




#65
Chlorobenzene
Concen: 21.014 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

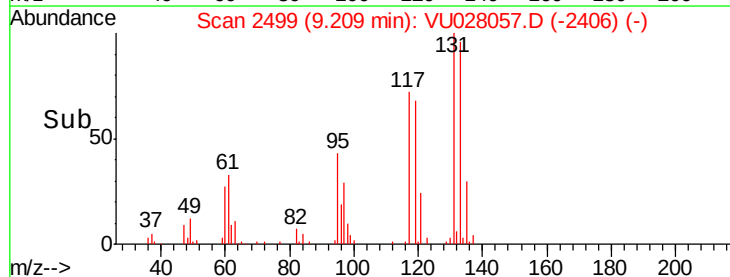
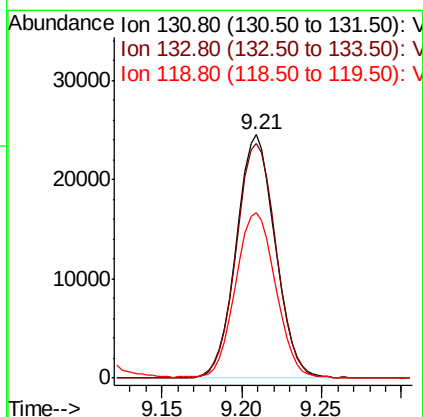
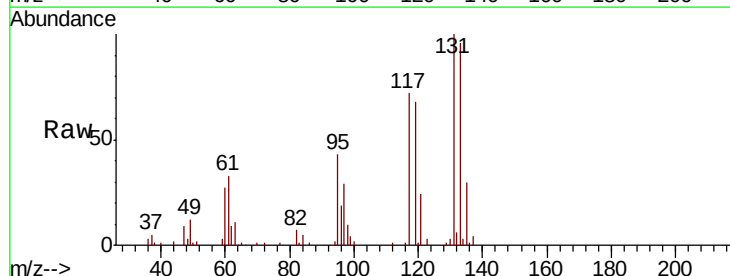
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

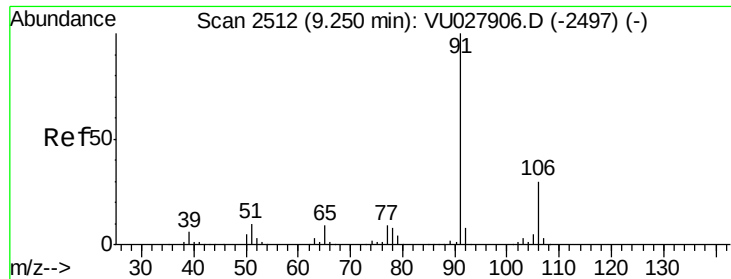
Tot Ion:112 Resp: 118451
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.177 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion:131 Resp: 40773
Ion Ratio Lower Upper
131 100
133 98.2 48.1 144.4
119 70.4 34.0 101.8

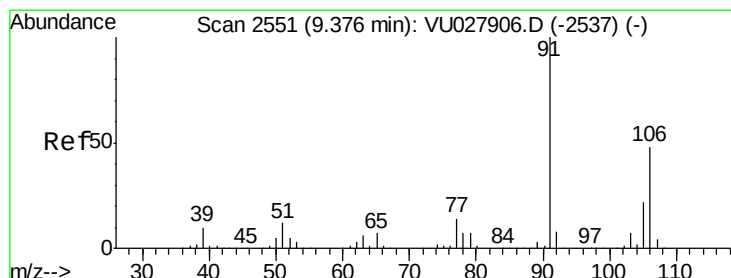
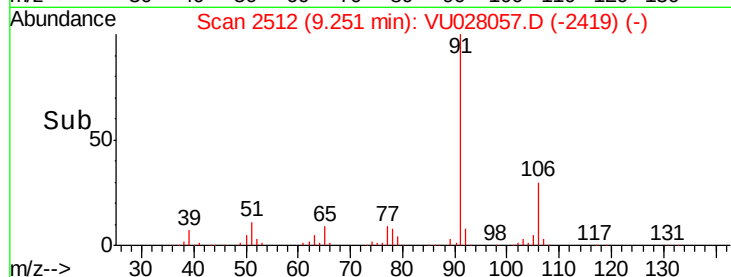
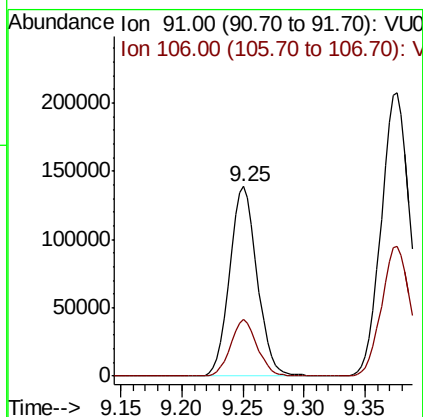
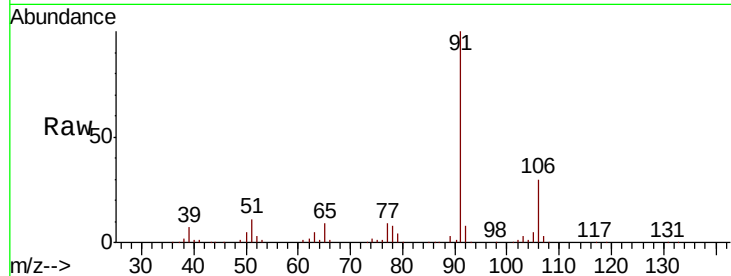




#67
Ethyl Benzene
Concen: 21.091 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

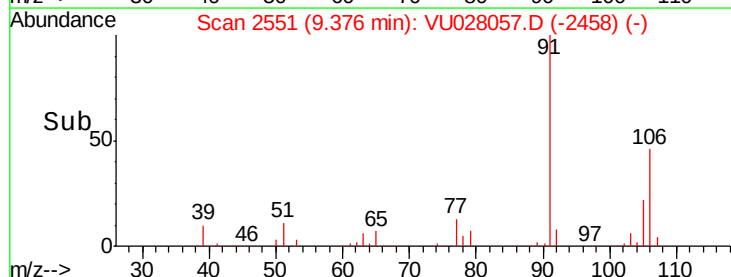
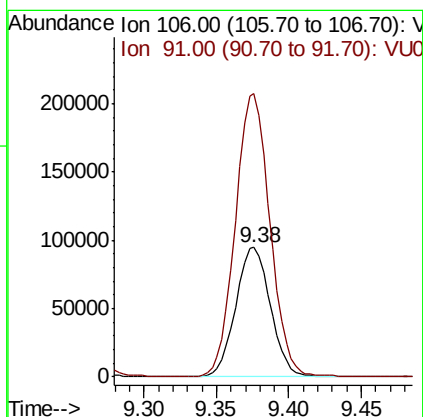
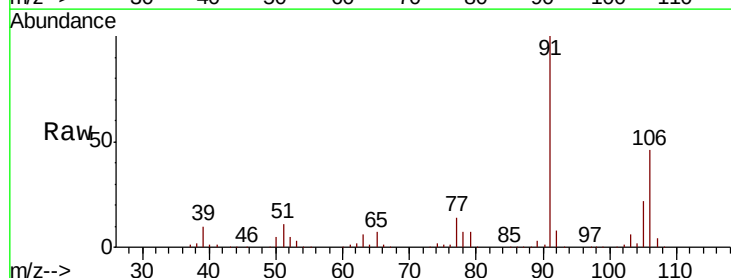
Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

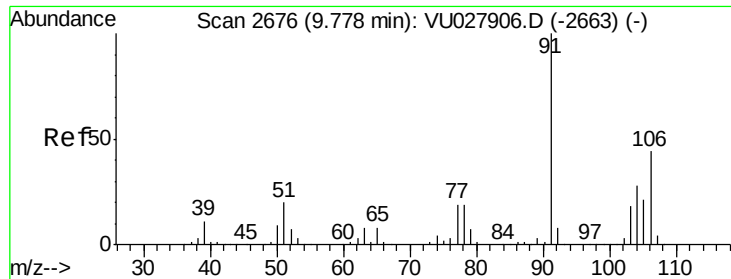
Tot Ion: 91 Resp: 218825
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4



#68
m/p-Xylenes
Concen: 41.935 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 106 Resp: 157866
Ion Ratio Lower Upper
106 100
91 217.7 168.2 252.4

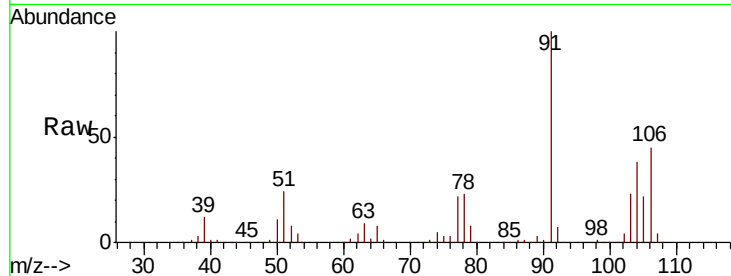




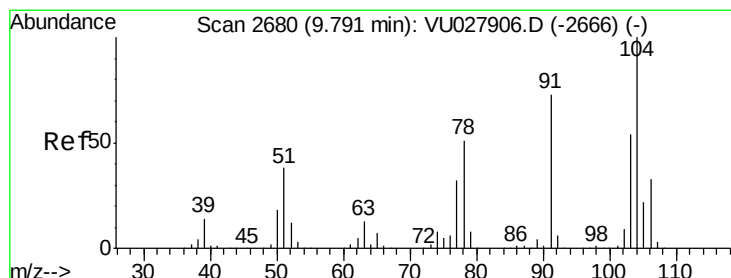
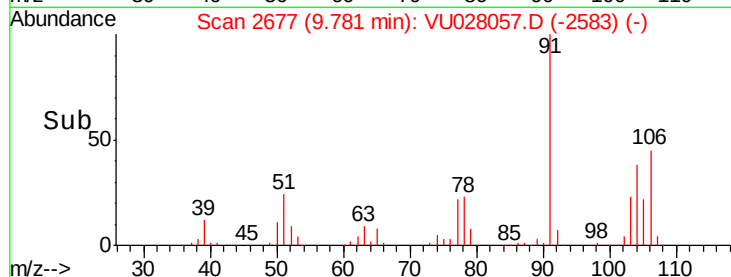
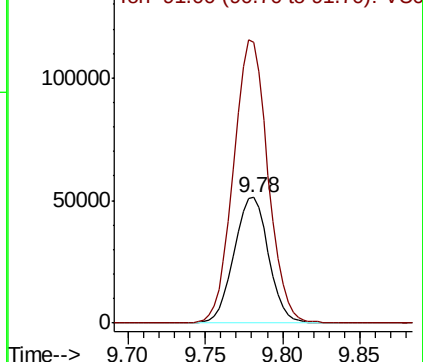
#69
o-Xylene
Concen: 20.957 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tot Ion:106 Resp: 79665
Ion Ratio Lower Upper
106 100
91 224.4 111.1 333.4

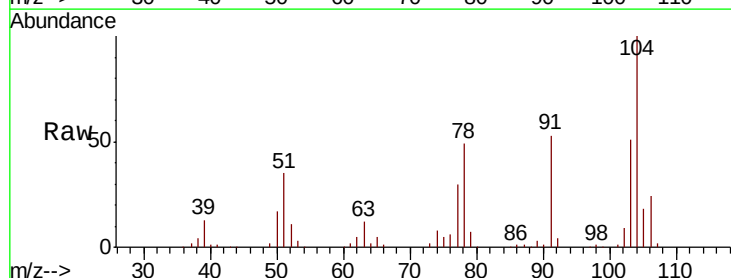


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

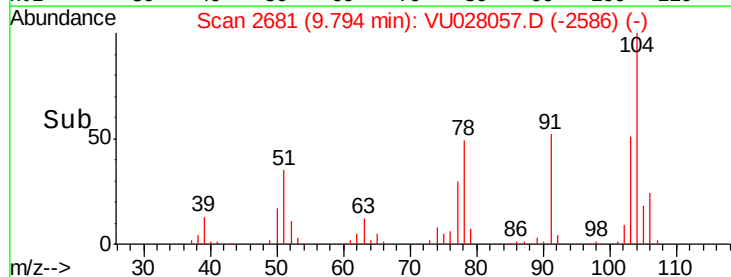
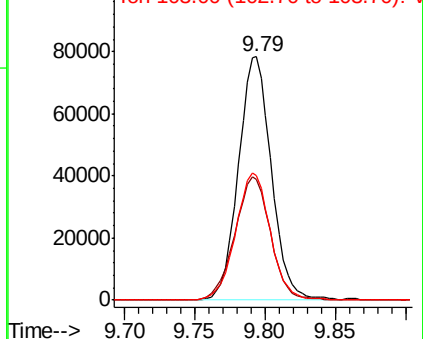


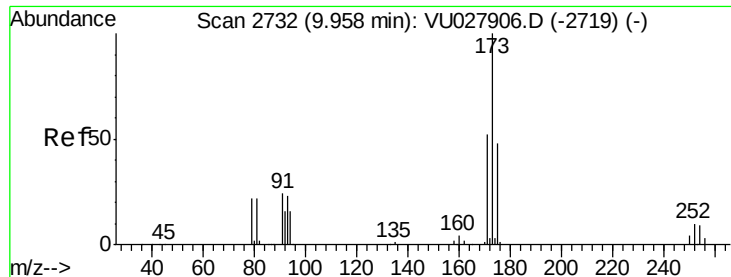
#70
Styrene
Concen: 21.128 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion:104 Resp: 128330
Ion Ratio Lower Upper
104 100
78 54.7 43.0 64.4
103 55.1 45.1 67.7



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





#71

Bromoform

Concen: 20.320 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

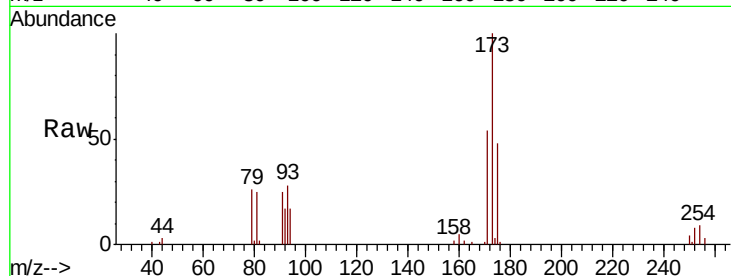
Tot Ion:173 Resp: 32787

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

173 100

175 49.1 24.3 72.8

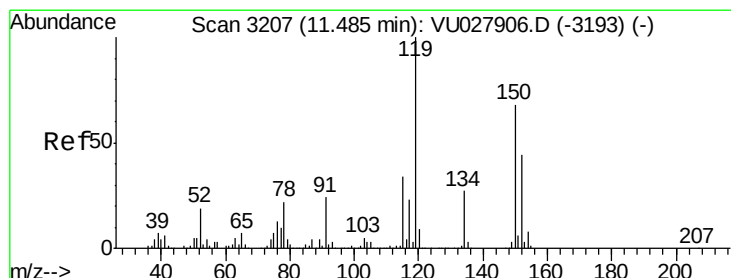
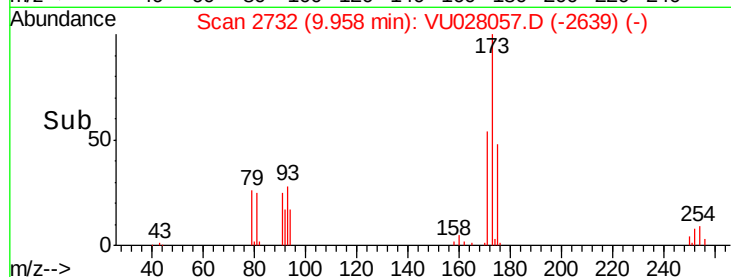
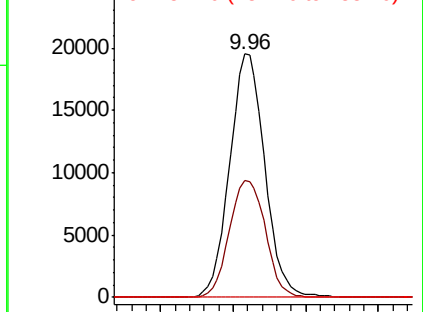
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

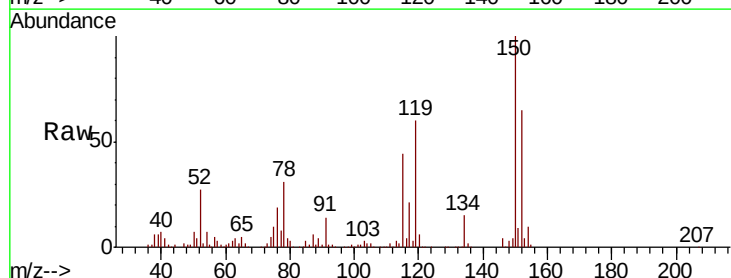
Tgt Ion:152 Resp: 127092

Ion	Ratio	Lower	Upper
152	100		
115	71.7	43.0	129.0
150	162.4	0.0	349.4

152 100

115 71.7 43.0 129.0

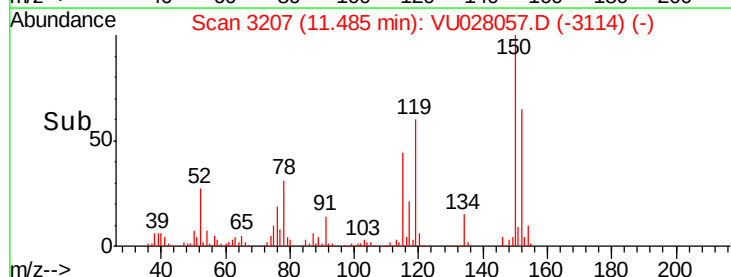
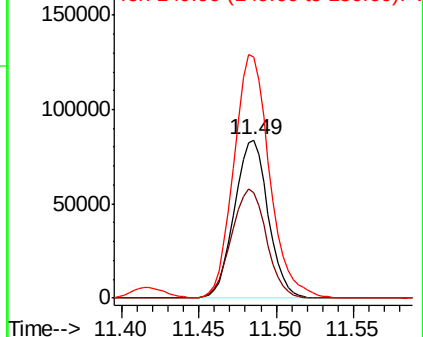
150 162.4 0.0 349.4

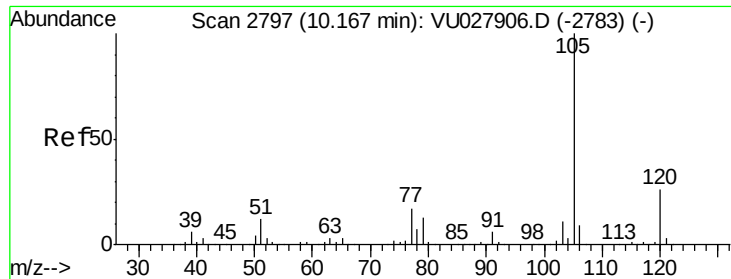


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.646 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

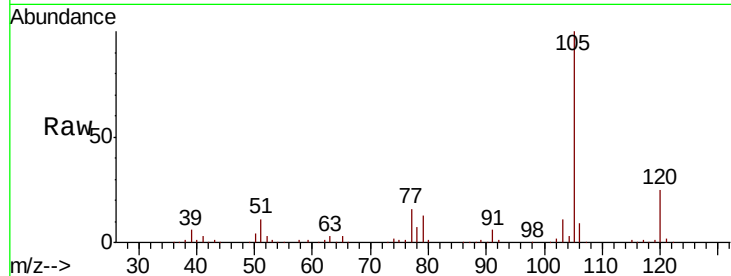
VU1112WBS01

Tot Ion:105 Resp: 213122

Ion Ratio Lower Upper

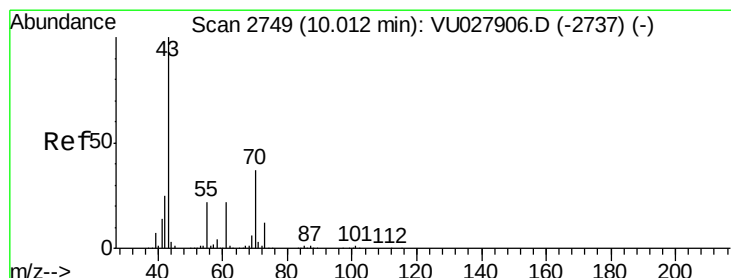
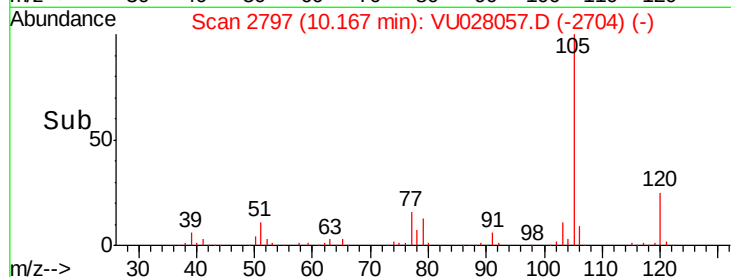
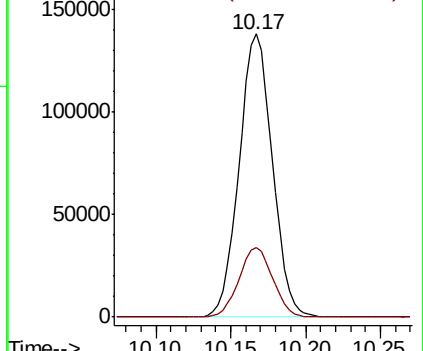
105 100

120 25.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.543 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion: 43 Resp: 128256

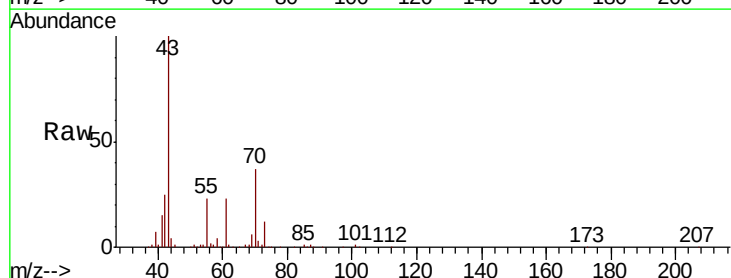
Ion Ratio Lower Upper

43 100

70 36.3 29.2 43.8

55 22.8 17.8 26.6

61 22.3 17.8 26.8

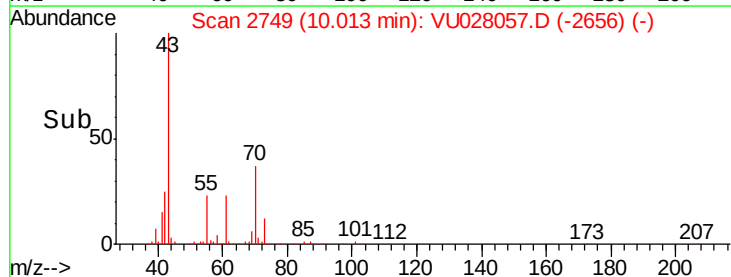
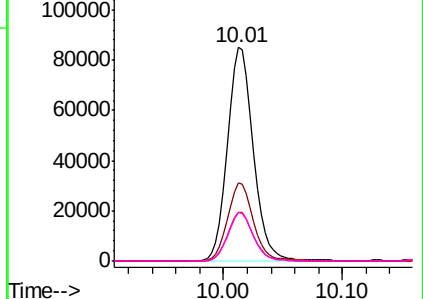


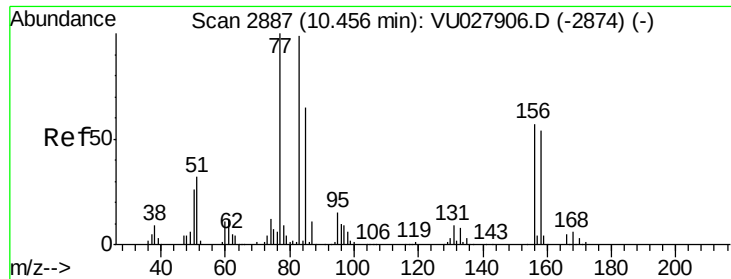
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.678 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

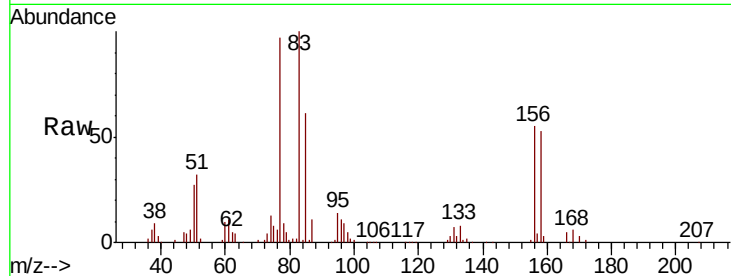
Tot Ion: 83 Resp: 86094

Ion Ratio Lower Upper

83 100

131 8.0 4.3 13.1

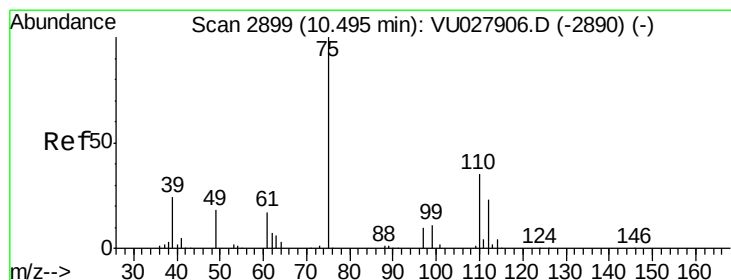
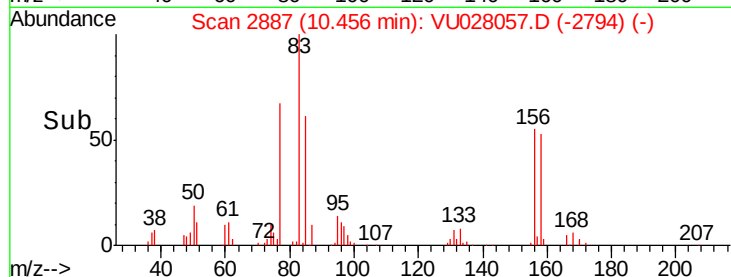
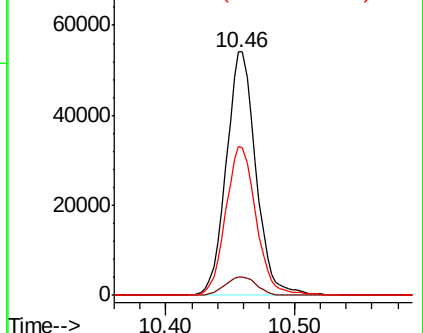
85 62.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 27.832 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028057.D

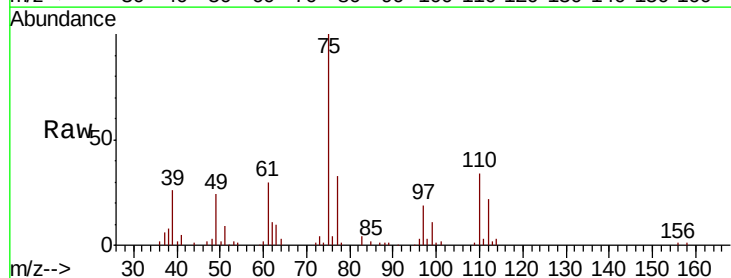
Acq: 12 Nov 2018 12:08

Tgt Ion: 75 Resp: 96752

Ion Ratio Lower Upper

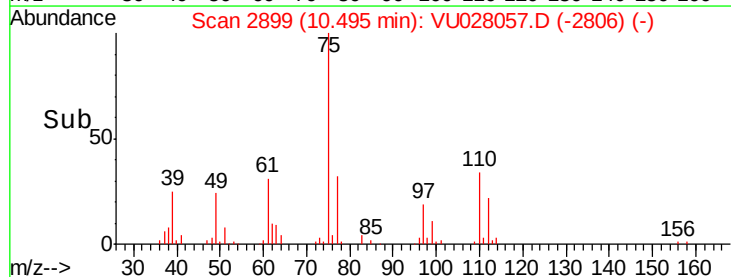
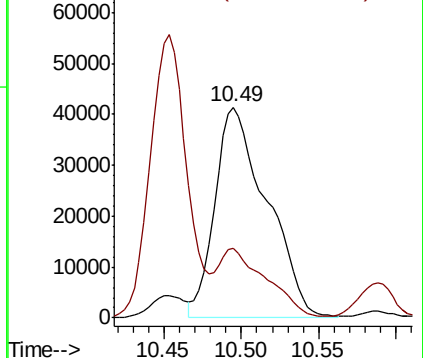
75 100

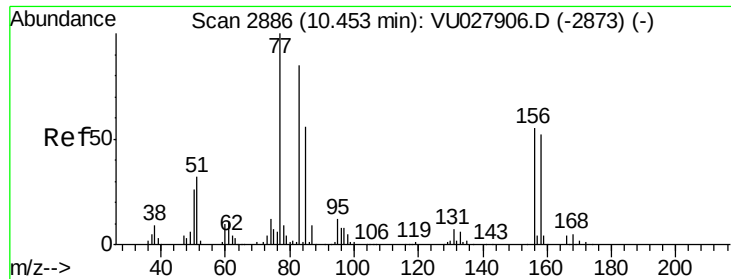
77 29.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 21.505 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

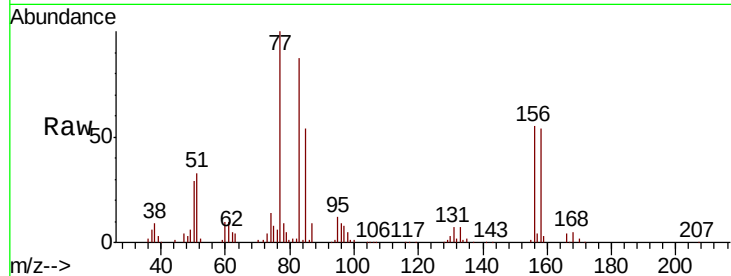
Tot Ion:156 Resp: 48551

Ion Ratio Lower Upper

156 100

77 188.3 91.8 275.6

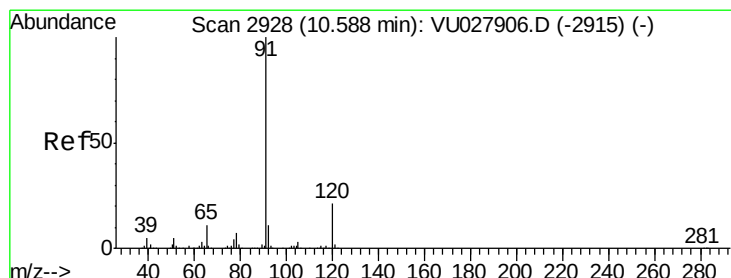
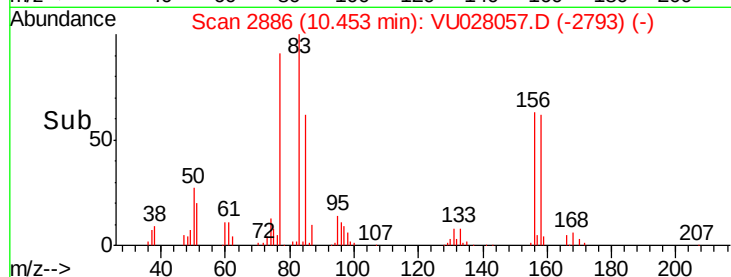
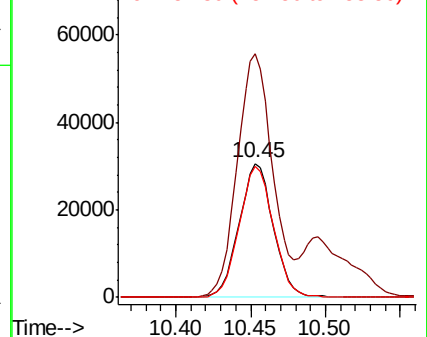
158 98.4 48.4 145.2



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: 21.515 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028057.D

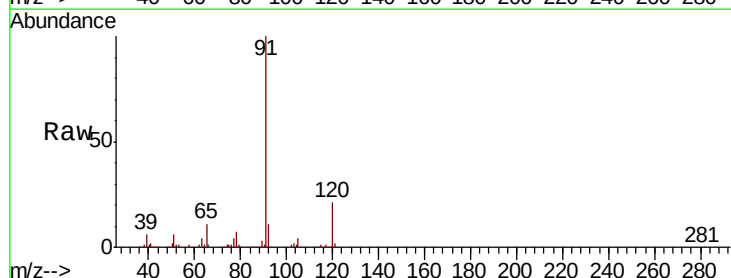
Acq: 12 Nov 2018 12:08

Tgt Ion: 91 Resp: 253562

Ion Ratio Lower Upper

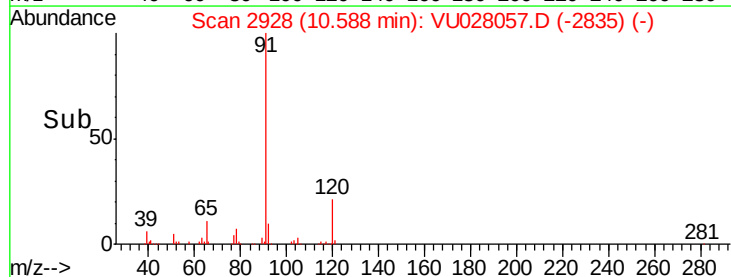
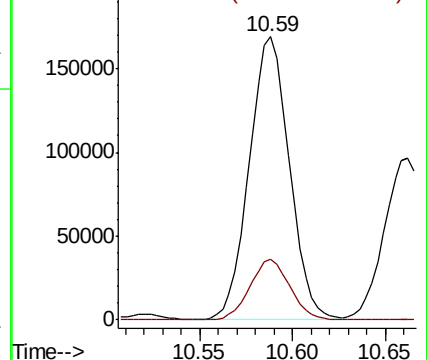
91 100

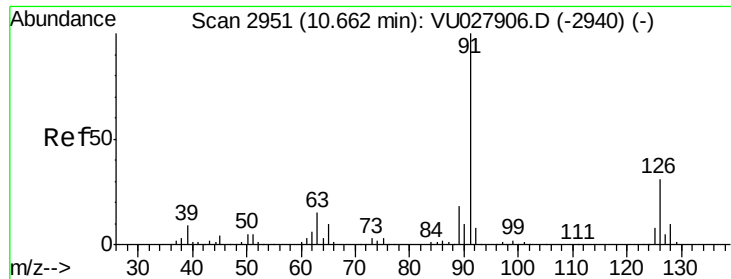
120 21.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

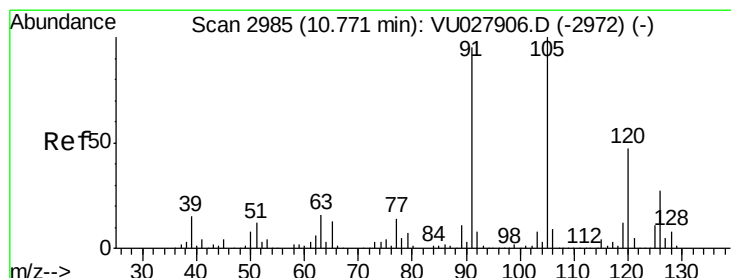
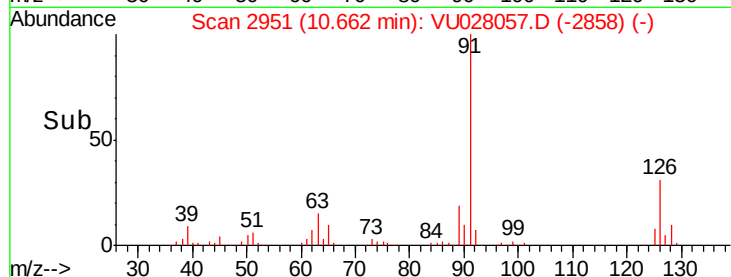
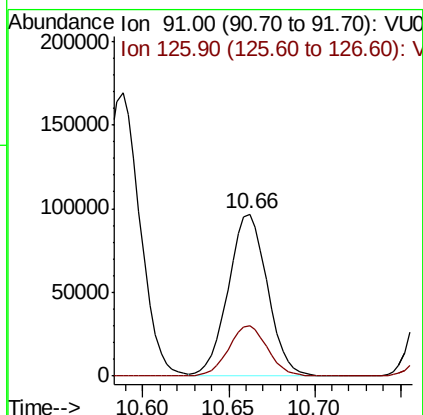
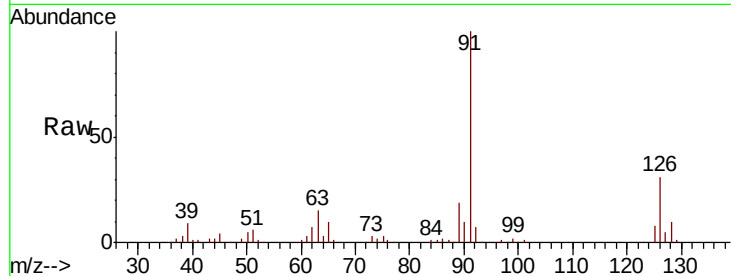




#79
 2-Chlorotoluene
 Concen: 21.616 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

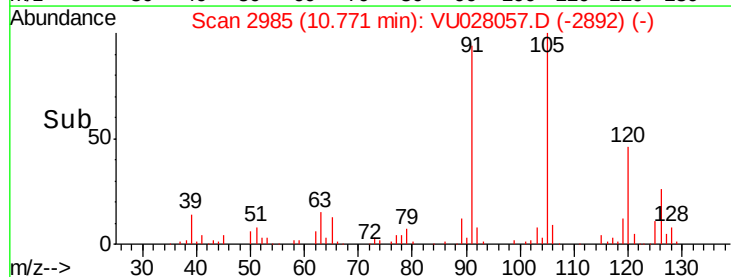
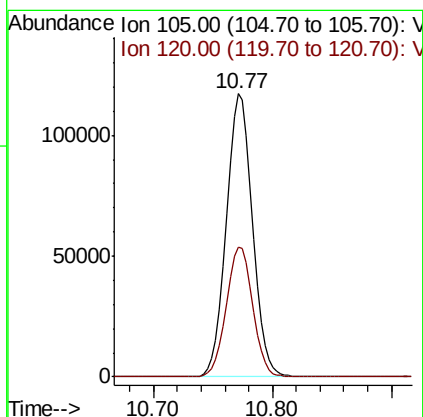
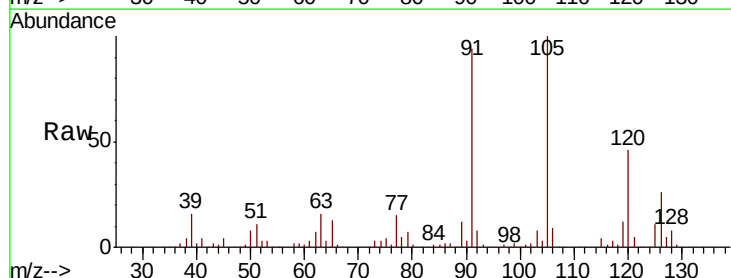
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

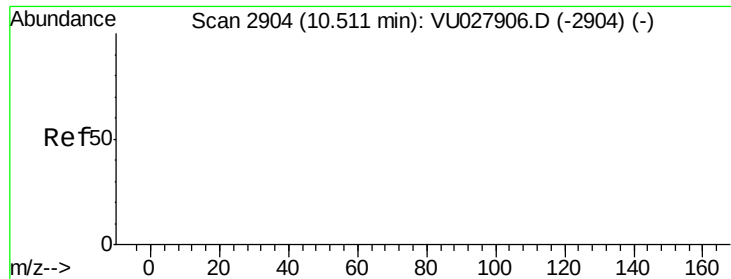
Tot Ion: 91 Resp: 152699
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.876 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 105 Resp: 178419
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 69.387 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

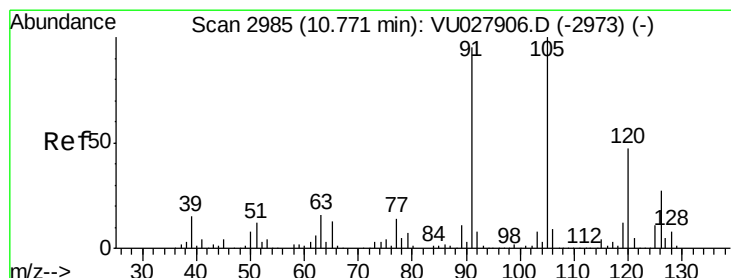
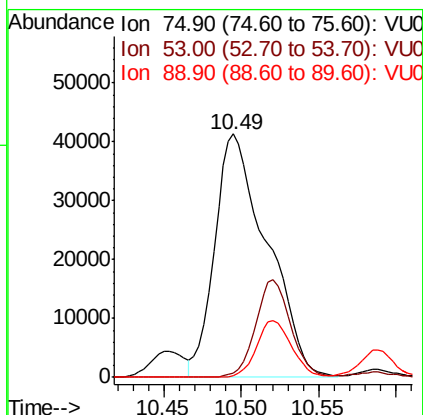
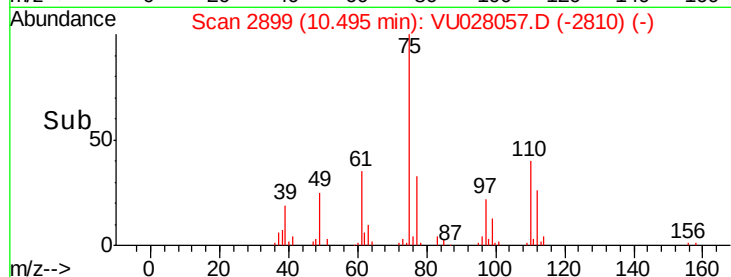
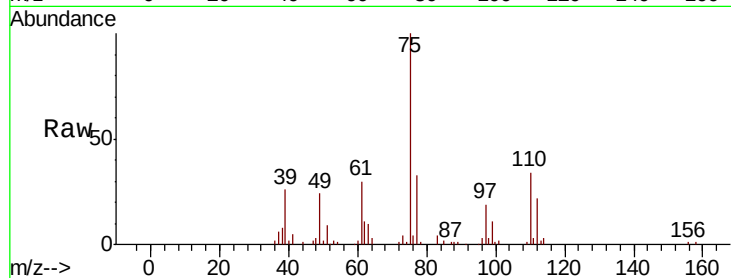
Tot Ion: 75 Resp: 96752

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 21.408 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028057.D

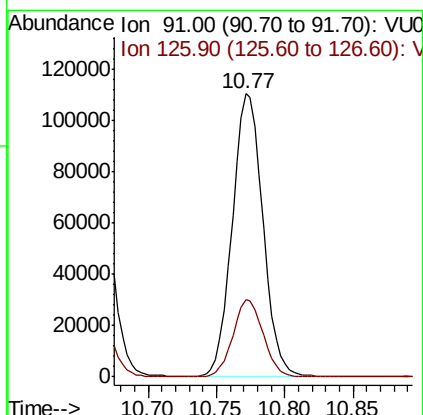
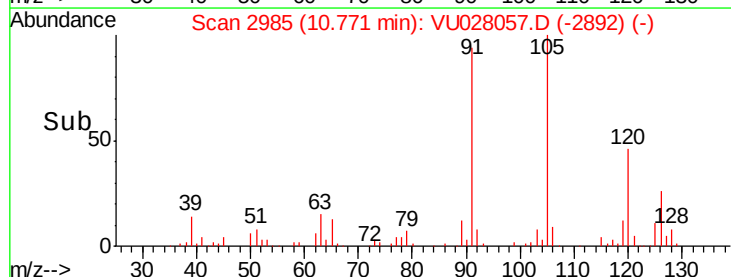
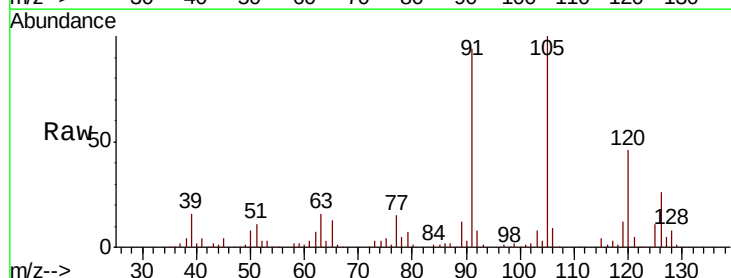
Acq: 12 Nov 2018 12:08

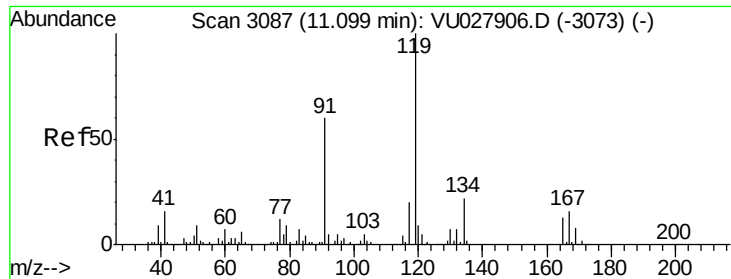
Tgt Ion: 91 Resp: 171682

Ion Ratio Lower Upper

91 100

126 27.1 14.2 42.6

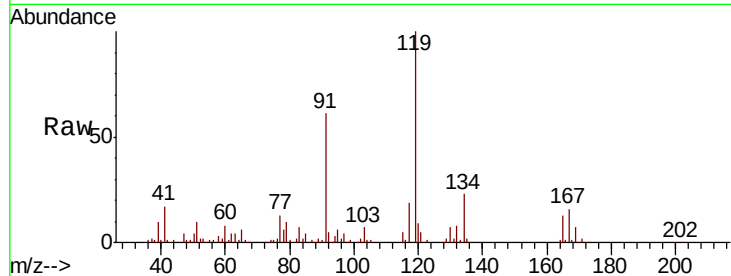




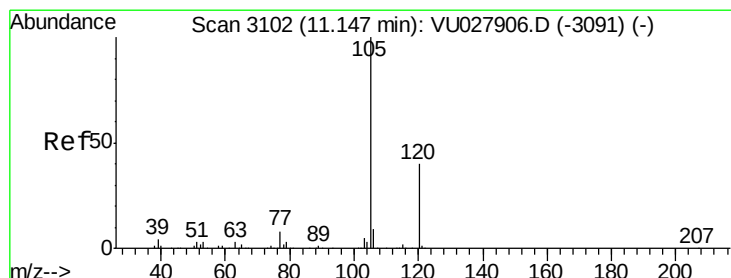
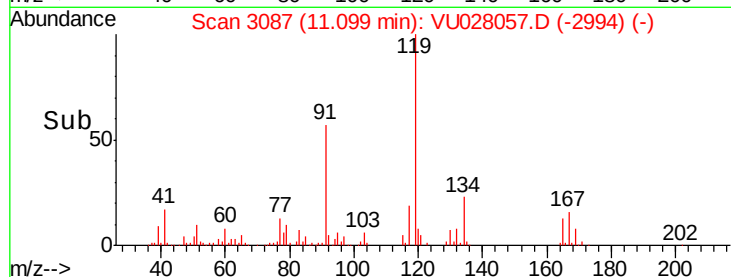
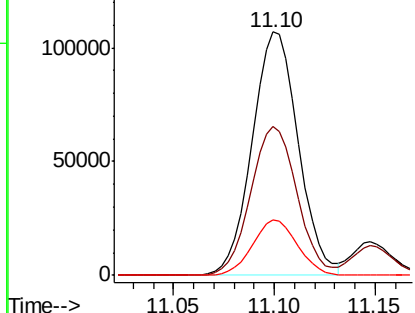
#83
 tert-Butylbenzene
 Concen: 20.979 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.8	89.3
134	22.2	11.1	33.1

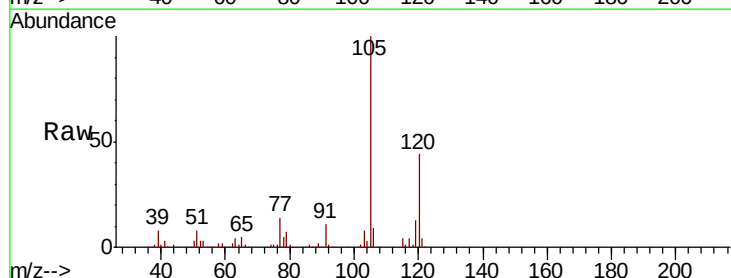


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

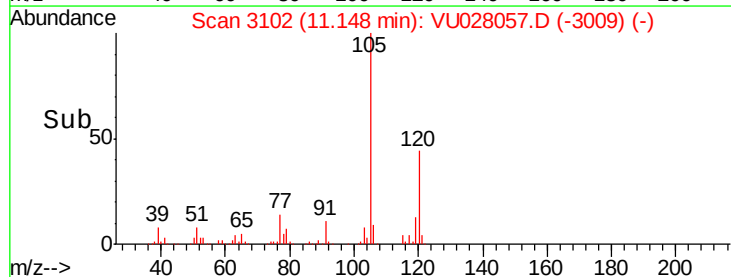
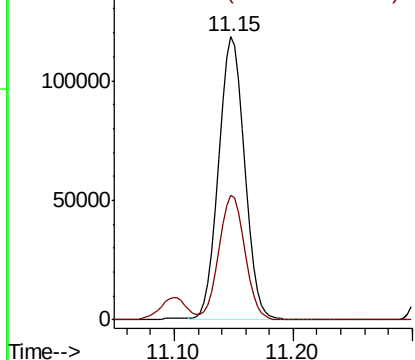


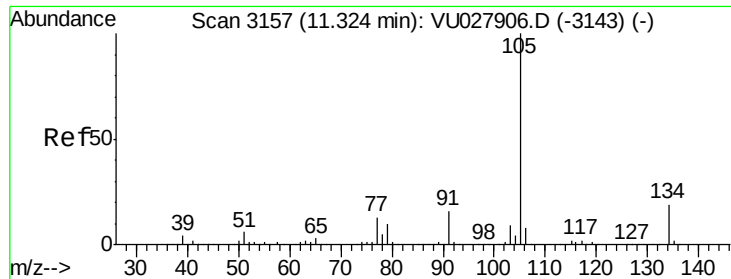
#84
 1,2,4-Trimethylbenzene
 Concen: 21.922 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



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

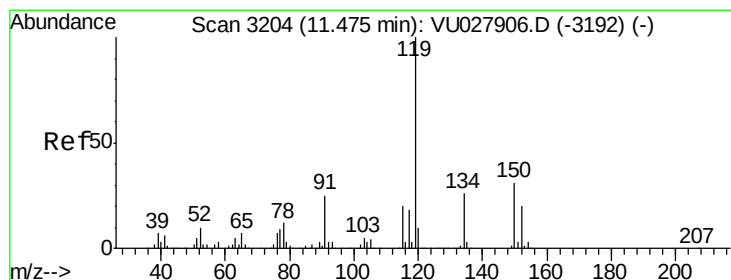
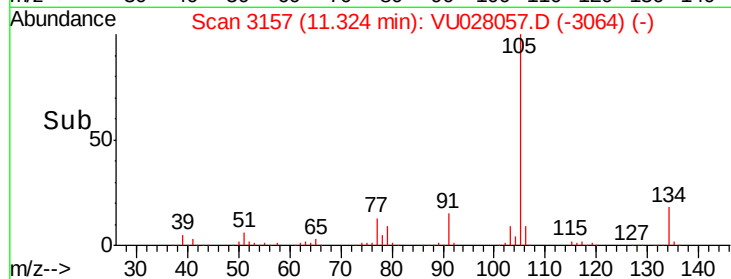
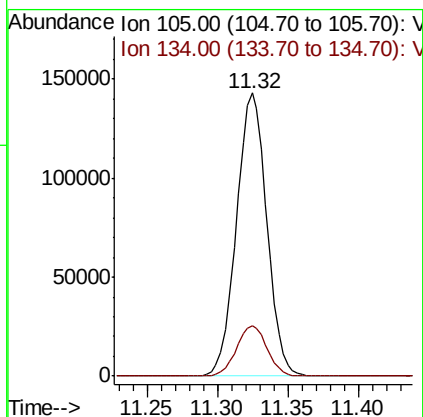
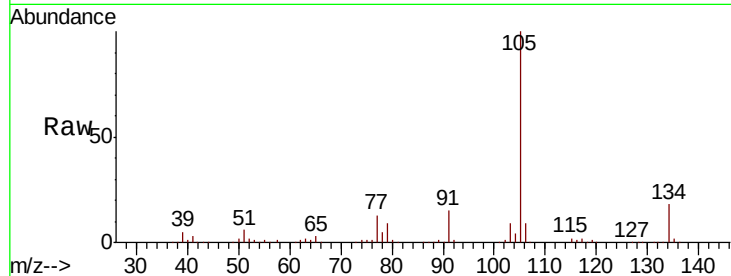




#85
 sec-Butylbenzene
 Concen: 21.746 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

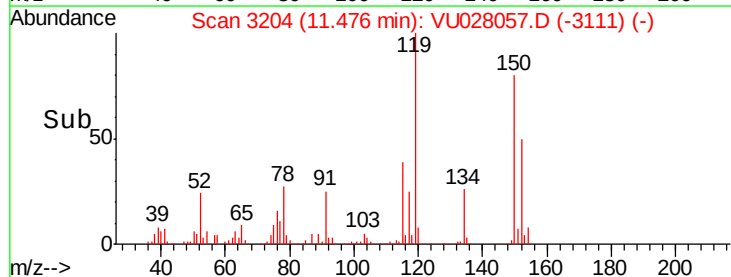
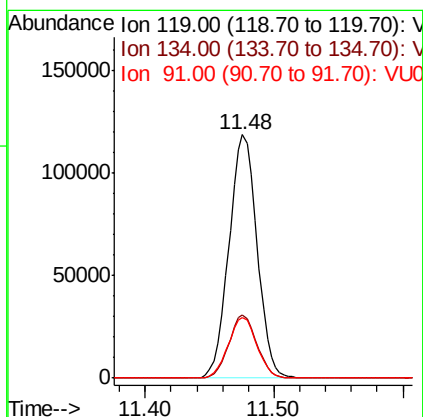
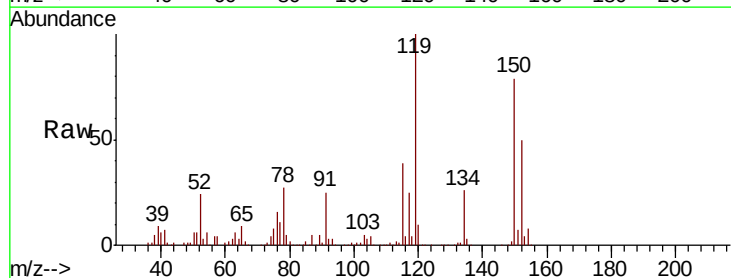
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

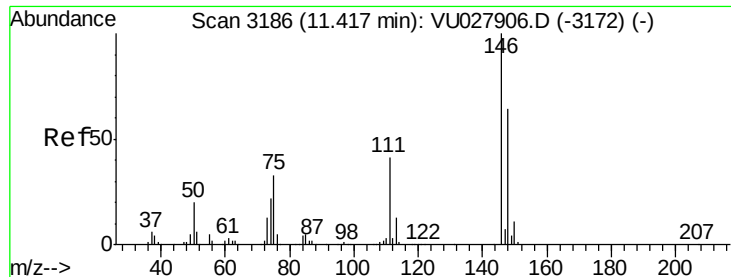
Tot Ion:105 Resp: 215640
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 21.539 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion:119 Resp: 178548
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 25.4 12.4 37.2

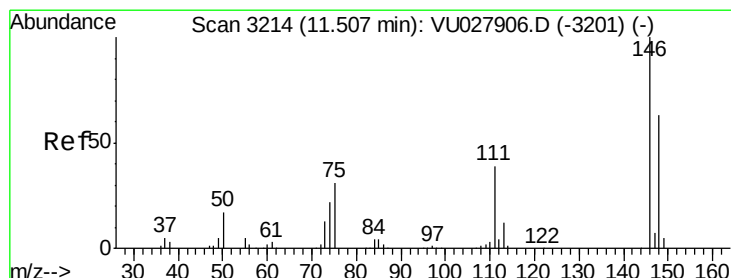
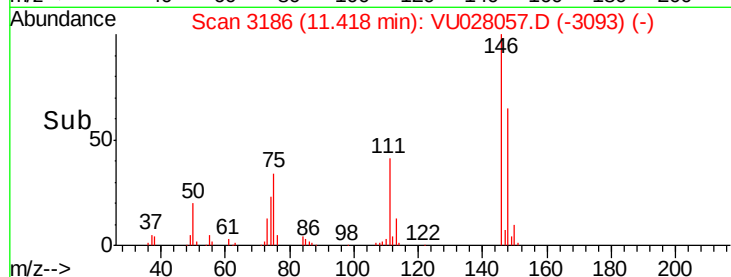
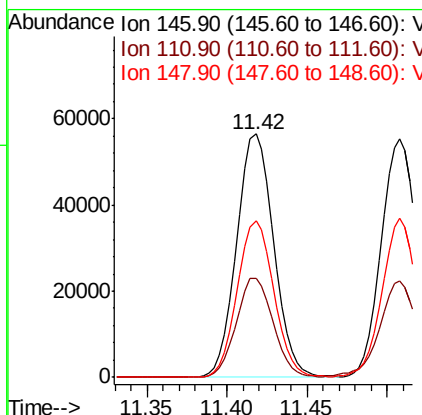
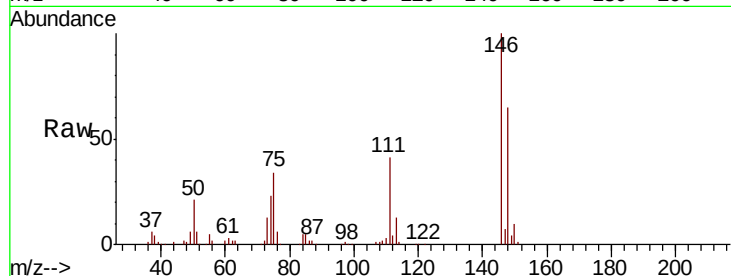




#87
 1,3-Dichlorobenzene
 Concen: 21.361 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

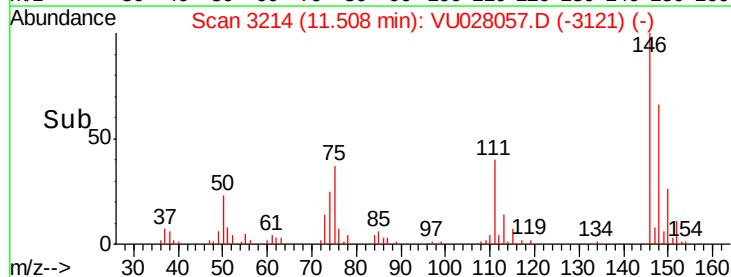
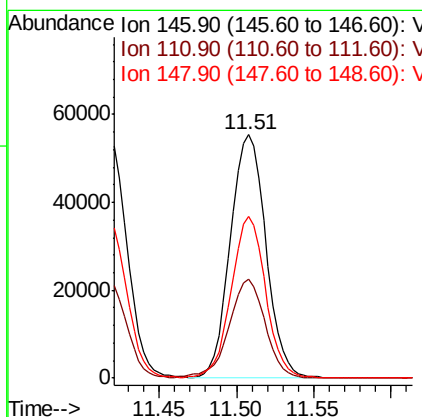
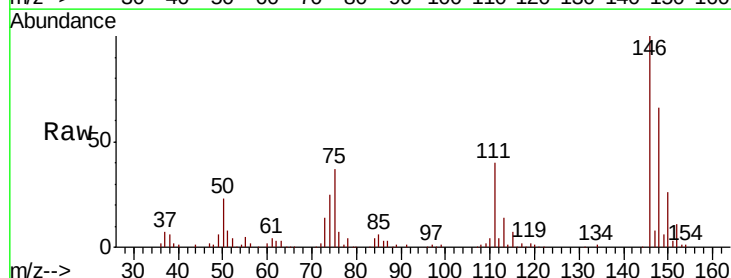
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

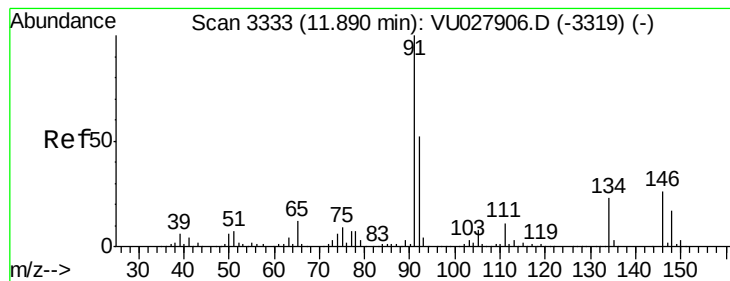
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	63.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.522 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.9	32.0	96.2





#89

n-Butylbenzene

Concen: 20.930 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

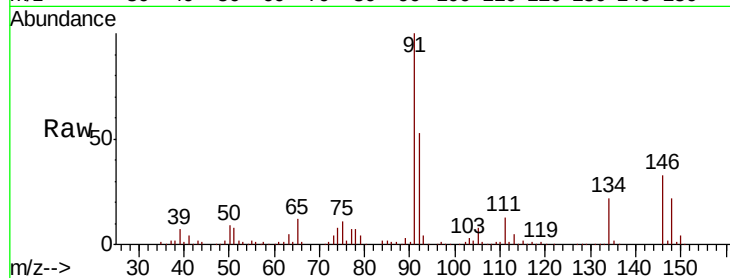
Tot Ion: 91 Resp: 164897

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.5

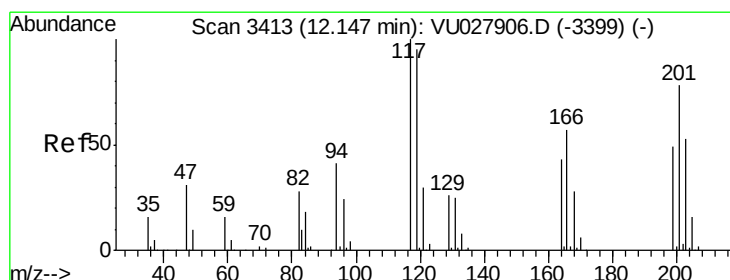
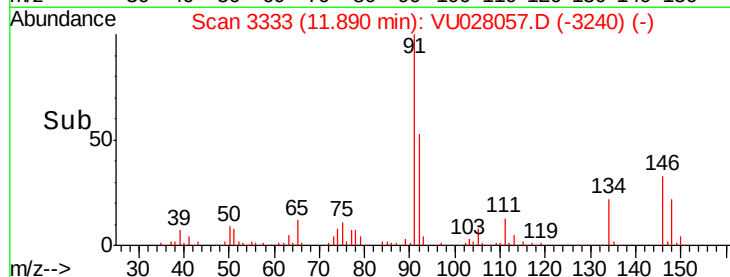
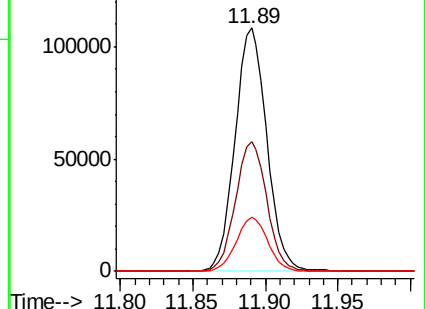
134 22.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)



#90

Hexachloroethane

Concen: 22.055 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028057.D

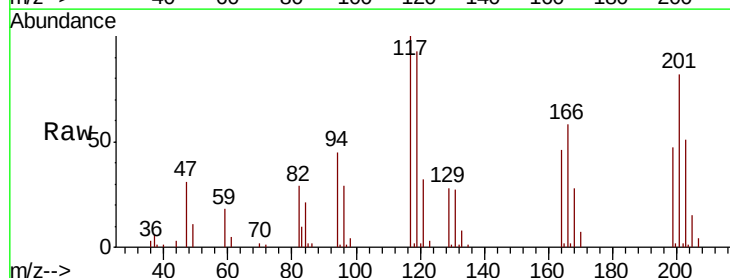
Acq: 12 Nov 2018 12:08

Tgt Ion: 117 Resp: 32551

Ion Ratio Lower Upper

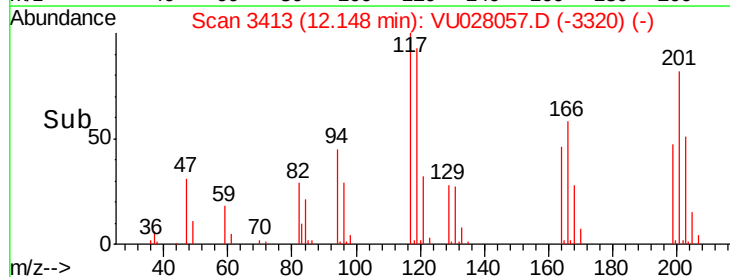
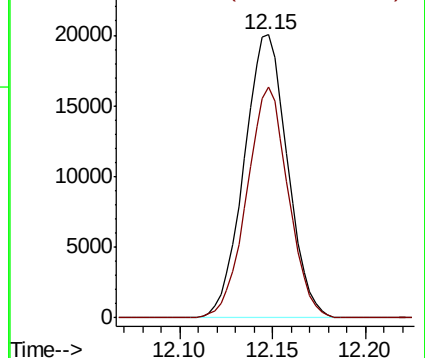
117 100

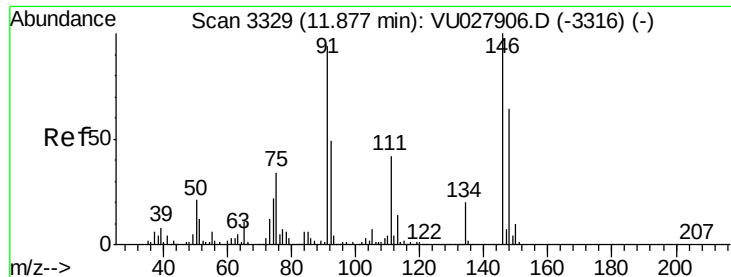
201 77.8 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

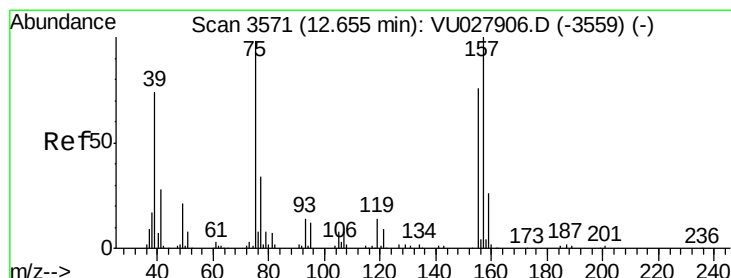
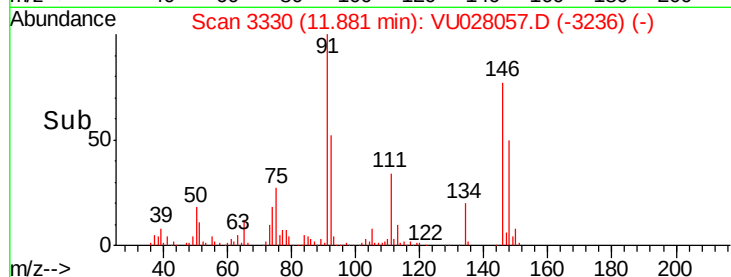
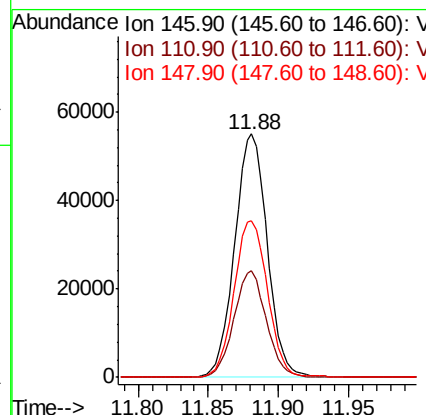
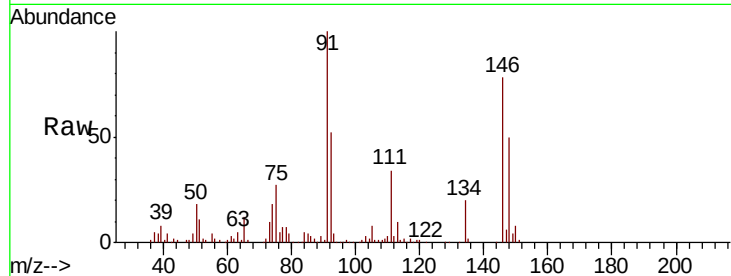




#91
 1,2-Dichlorobenzene
 Concen: 21.239 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

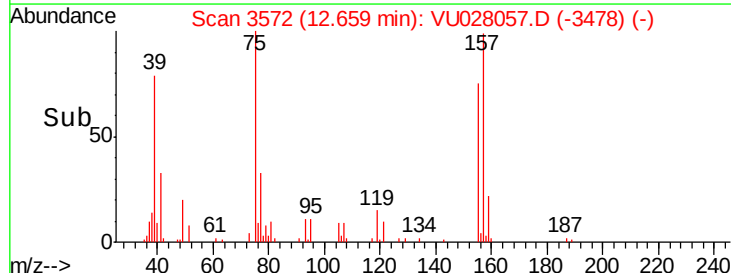
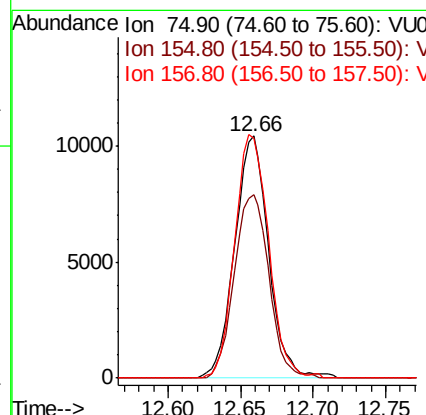
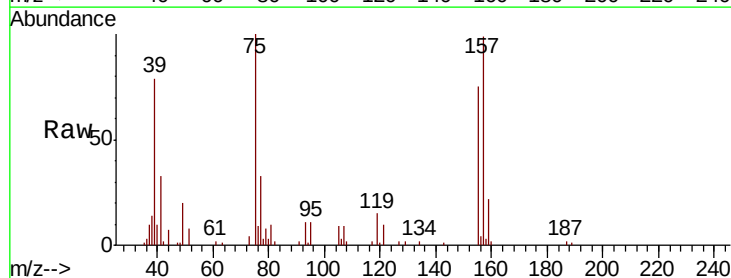
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

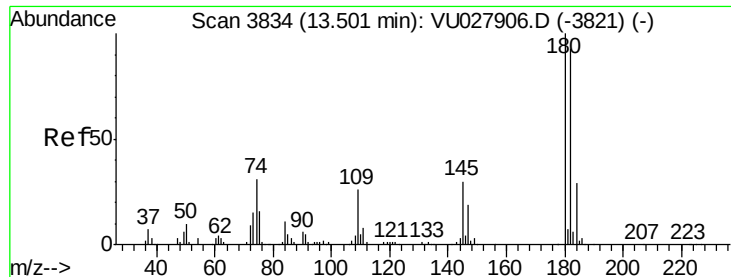
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	64.0
148	66.1	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.227 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	39.8	119.3
157	100.4	50.6	151.9





#93

1,2,4-Trichlorobenzene

Concen: 18.433 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

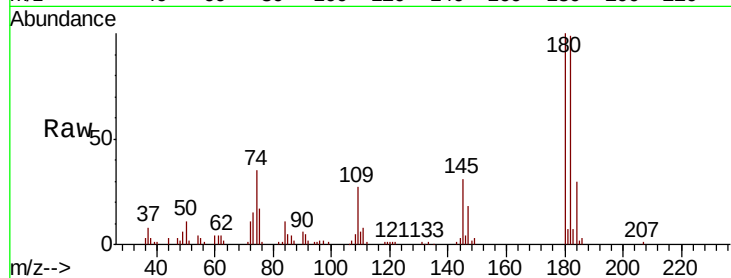
Tot Ion:180 Resp: 52928

Ion Ratio Lower Upper

180 100

182 98.9 48.4 145.2

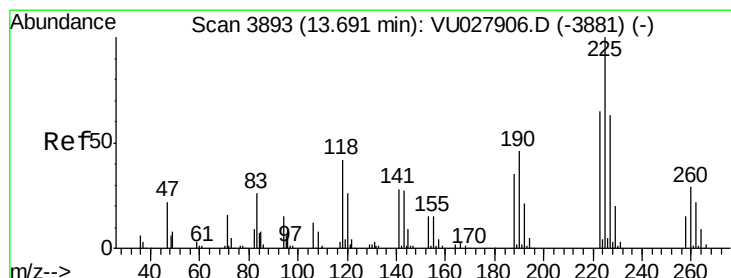
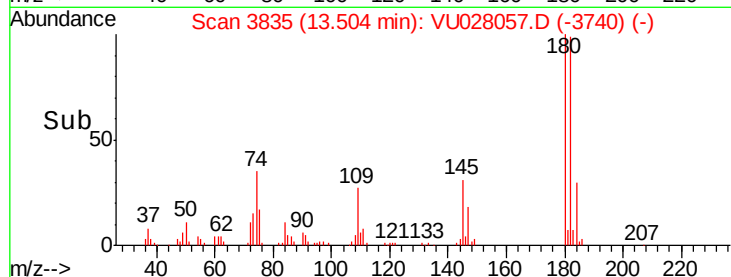
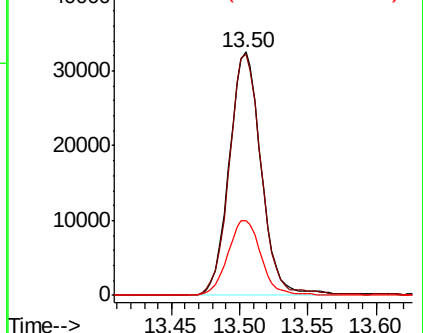
145 31.9 14.9 44.5



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: 21.321 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

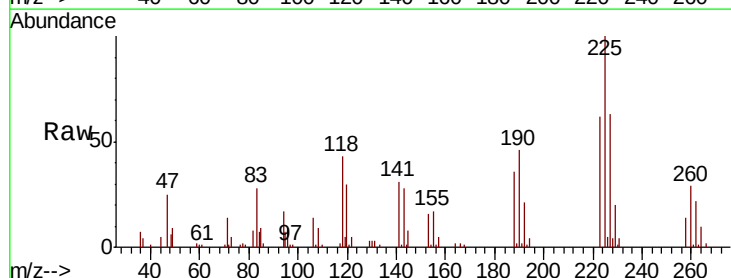
Tgt Ion:225 Resp: 28420

Ion Ratio Lower Upper

225 100

223 62.6 32.2 96.6

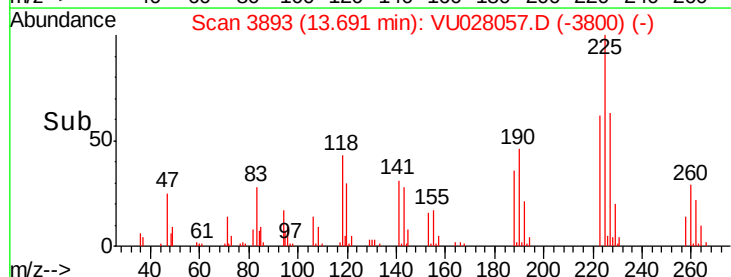
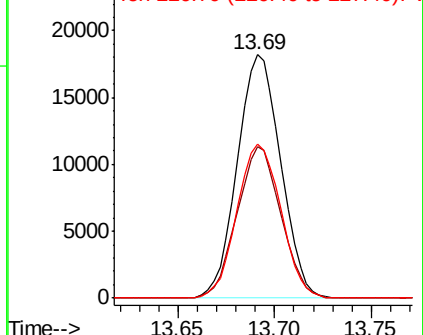
227 64.0 32.5 97.4

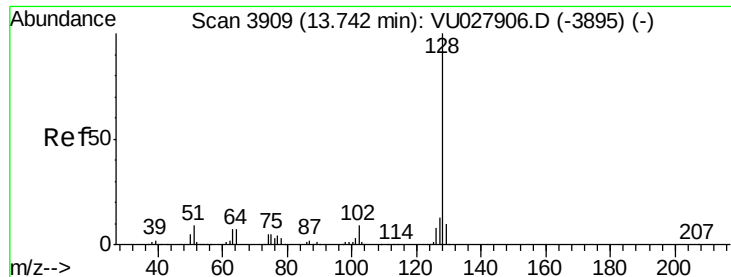


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.067 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

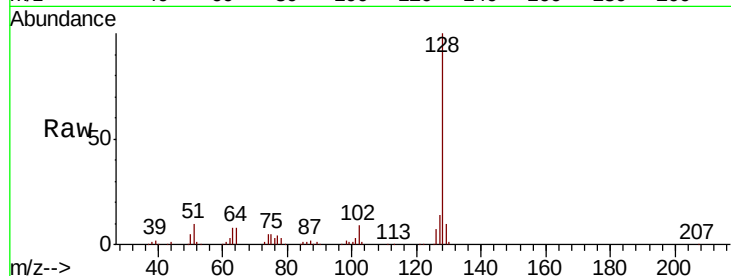
Tot Ion:128 Resp: 189555

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

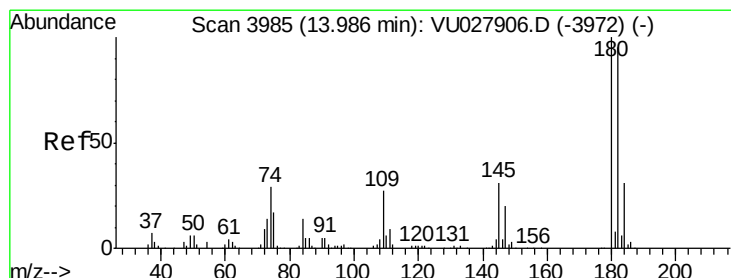
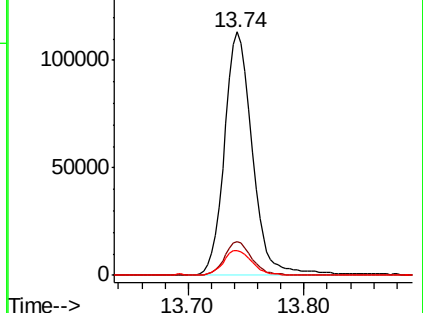
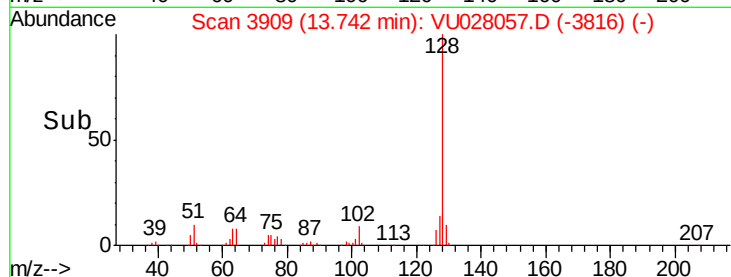
129 10.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.399 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

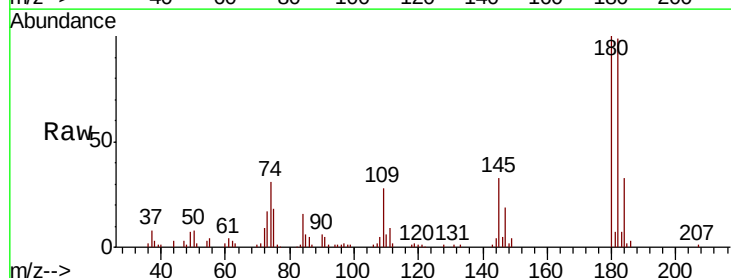
Tgt Ion:180 Resp: 57409

Ion Ratio Lower Upper

180 100

182 93.7 47.4 142.3

145 31.3 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

