

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029193.D
 Acq On : 15 Jan 2019 18:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 16 04:37:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	174685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82531	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	70036	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	4.88	113	59578	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	7.56	98	230121	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	81807	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29692	27.977	ug/l	96
3) Chloromethane	1.33	50	45750	26.683	ug/l	100
4) Vinyl Chloride	1.40	62	47071	30.097	ug/l	99
5) Bromomethane	1.61	94	25736	30.843	ug/l	100
6) Chloroethane	1.69	64	27824	29.868	ug/l	100
7) Trichlorofluoromethane	1.88	101	52090	30.565	ug/l	97
8) Diethyl Ether	2.10	74	25237	30.824	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	33208	29.122	ug/l	98
10) Methyl Iodide	2.40	142	34519	32.195	ug/l	98
11) Tert butyl alcohol	2.83	59	59110	175.782	ug/l	98
12) 1,1-Dichloroethene	2.28	96	31623	28.492	ug/l	97
13) Acrolein	2.19	56	64535	255.582	ug/l	100
14) Allyl chloride	2.59	41	60042	29.483	ug/l	92
15) Acrylonitrile	2.93	53	142637	172.897	ug/l	100
16) Acetone	2.32	43	119615	143.528	ug/l	100
17) Carbon Disulfide	2.47	76	99523	26.820	ug/l	99
18) Methyl Acetate	2.61	43	73131	37.740	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	124305	31.856	ug/l	100
20) Methylene Chloride	2.70	84	42927	30.338	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	37514	29.092	ug/l	94
22) Diisopropyl ether	3.57	45	133631	33.201	ug/l	97
23) Vinyl Acetate	3.52	43	543144	165.072	ug/l	99
24) 1,1-Dichloroethane	3.44	63	75682	32.573	ug/l	100
25) 2-Butanone	4.26	43	192101	170.663	ug/l	99
26) 2,2-Dichloropropane	4.22	77	57967	30.876	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	44783	31.753	ug/l	100
28) Bromochloromethane	4.54	49	52398	52.667	ug/l	100
29) Tetrahydrofuran	4.64	42	122493	179.423	ug/l	97
30) Chloroform	4.67	83	73034	33.002	ug/l	98
31) Cyclohexane	4.99	56	65718	29.503	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	58250	31.855	ug/l	98
36) 1,1-Dichloropropene	5.13	75	53280	30.514	ug/l	97
37) Ethyl Acetate	4.38	43	66086	34.481	ug/l	99
38) Carbon Tetrachloride	5.13	117	46787	32.127	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	62706	29.212	ug/l	98
40) Benzene	5.39	78	171037	31.404	ug/l	100
41) Methacrylonitrile	4.54	41	37011	36.076	ug/l	98
42) 1,2-Dichloroethane	5.40	62	54746	33.451	ug/l	99
43) Isopropyl Acetate	5.55	43	101504	34.525	ug/l	99
44) Trichloroethene	6.18	130	40369	29.915	ug/l	99
45) 1,2-Dichloropropane	6.43	63	47233	32.840	ug/l	99
46) Dibromomethane	6.56	93	29955	32.580	ug/l	99
47) Bromodichloromethane	6.76	83	56348	33.286	ug/l	98
48) Methyl methacrylate	6.62	41	51234	35.789	ug/l	99
49) 1,4-Dioxane	6.61	88	25188	742.439	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	356654	178.251	ug/l	99
52) Toluene	7.63	92	103511	31.219	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	65076	32.001	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	69955	31.836	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	44564	33.550	ug/l	98
56) Ethyl methacrylate	8.02	69	66167	32.334	ug/l	96
57) 1,3-Dichloropropane	8.24	76	74010	32.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	249176	276.875	ug/l	99
59) 2-Hexanone	8.36	43	276055	175.764	ug/l	99
60) Dibromochloromethane	8.48	129	42902	32.601	ug/l	97
61) 1,2-Dibromoethane	8.58	107	46533	32.301	ug/l	99
64) Tetrachloroethene	8.22	164	35313	29.696	ug/l	99
65) Chlorobenzene	9.12	112	112730	30.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	38493	32.055	ug/l	99
67) Ethyl Benzene	9.25	91	195439	31.636	ug/l	99
68) m/p-Xylenes	9.37	106	150214	62.579	ug/l	98
69) o-Xylene	9.78	106	74091	32.034	ug/l	99
70) Styrene	9.79	104	121325	31.999	ug/l	99
71) Bromoform	9.95	173	34552	32.315	ug/l #	99
73) Isopropylbenzene	10.16	105	188826	30.911	ug/l	99
74) N-amyl acetate	10.01	43	87716	33.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.45	83	79068	32.295	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	88335	43.684	ug/l	85
77) Bromobenzene	10.45	156	49078	30.829	ug/l	99
78) n-propylbenzene	10.58	91	227871	31.653	ug/l	99
79) 2-Chlorotoluene	10.66	91	136118	31.169	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	162226	31.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	88335	112.663	ug/l #	100
82) 4-Chlorotoluene	10.77	91	152424	30.439	ug/l	100
83) tert-Butylbenzene	11.10	119	155707	30.968	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	172576	33.884	ug/l	99
85) sec-Butylbenzene	11.32	105	193358	31.798	ug/l	100
86) p-Isopropyltoluene	11.47	119	165681	31.975	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	88110	30.175	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	88378	29.322	ug/l	99
89) n-Butylbenzene	11.89	91	151432	32.744	ug/l	99
90) Hexachloroethane	12.14	117	27589	31.650	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	89329	30.373	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.65	75	15955	33.882	ug/l	96

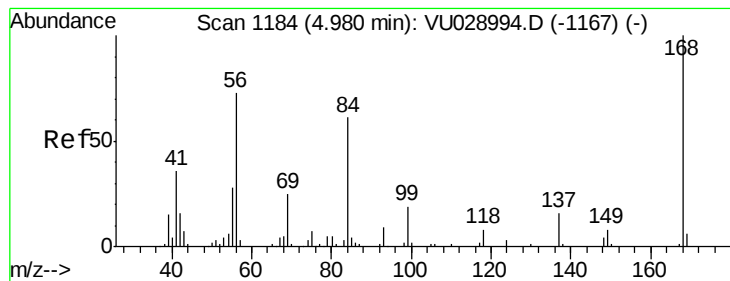
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	57151	30.441	ug/l	99
94) Hexachlorobutadiene	13.69	225	28190	32.828	ug/l	99
95) Naphthalene	13.74	128	194143	30.398	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59050	30.854	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

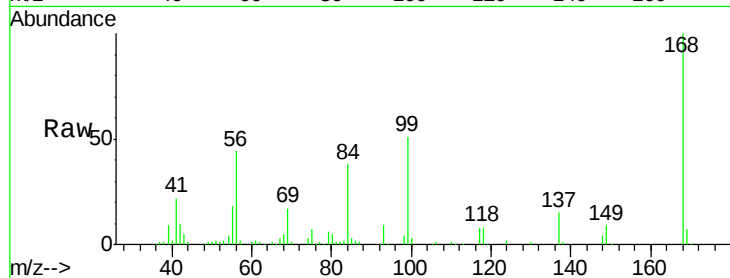
VSTDCCC050EC

Tot Ion:168 Resp: 107016

Ion Ratio Lower Upper

168 100

99 50.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

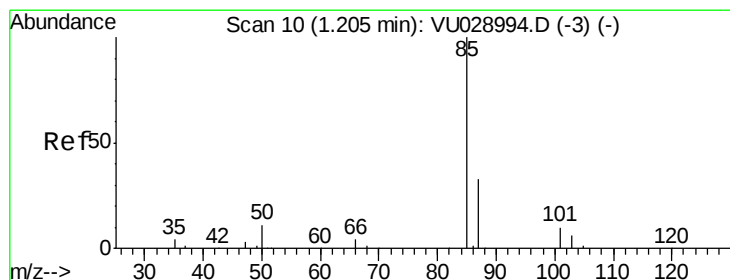
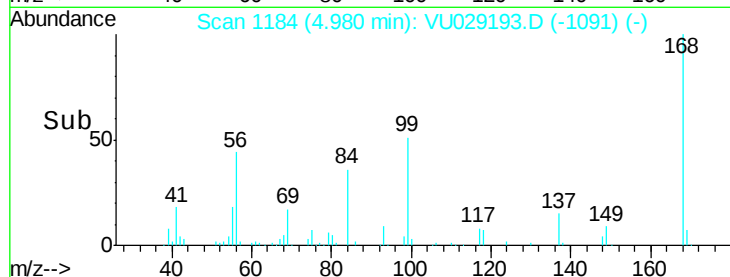
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 27.977 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU029193.D

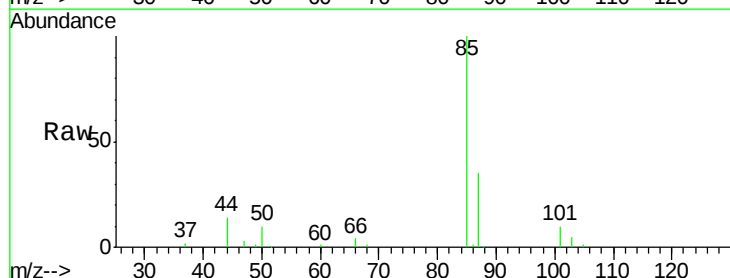
Acq: 15 Jan 2019 18:21

Tgt Ion: 85 Resp: 29692

Ion Ratio Lower Upper

85 100

87 34.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.20

30000

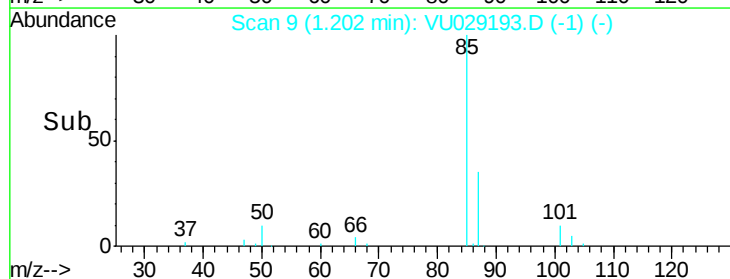
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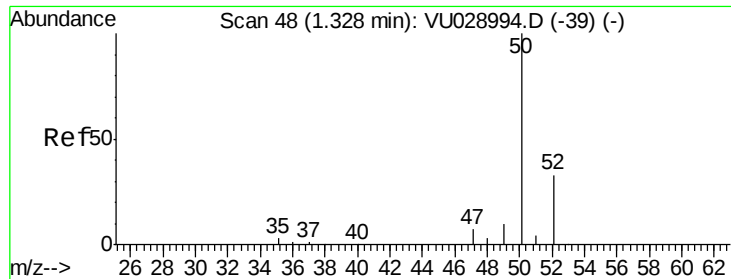
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 26.683 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

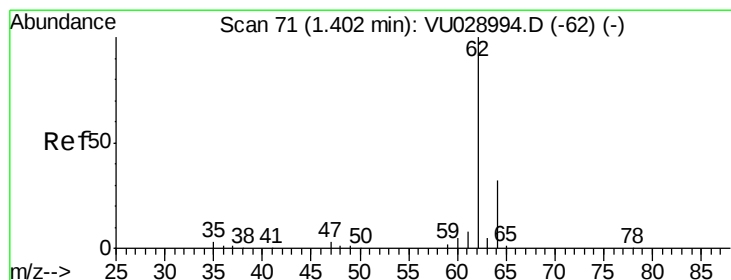
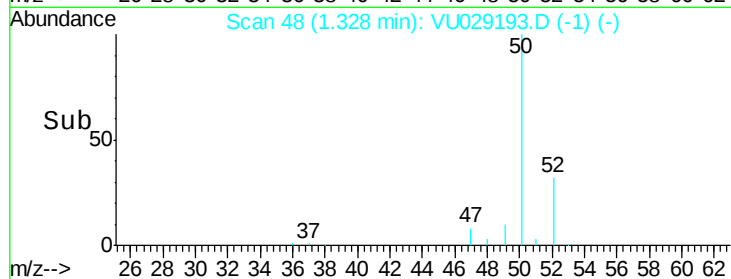
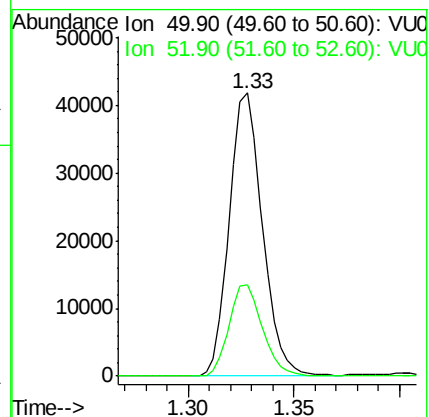
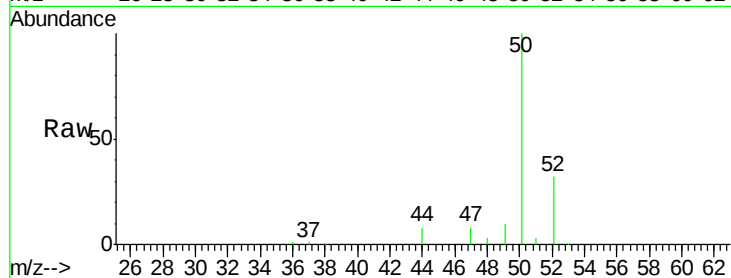
VSTDCCC050EC

Tot Ion: 50 Resp: 45750

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 30.097 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029193.D

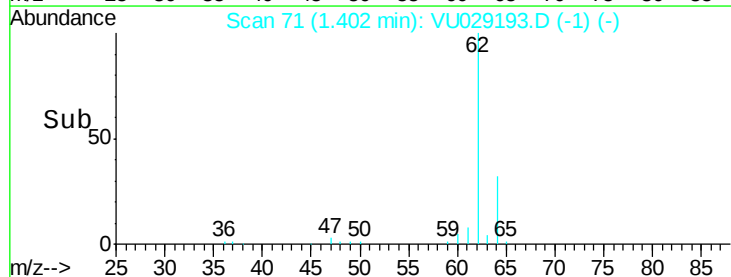
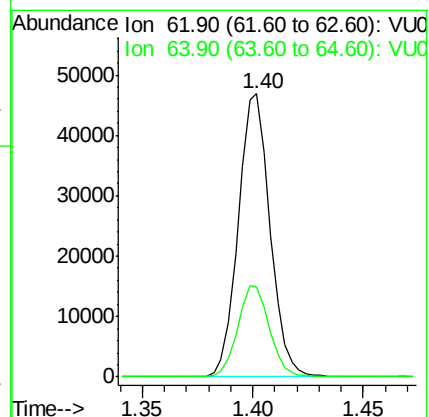
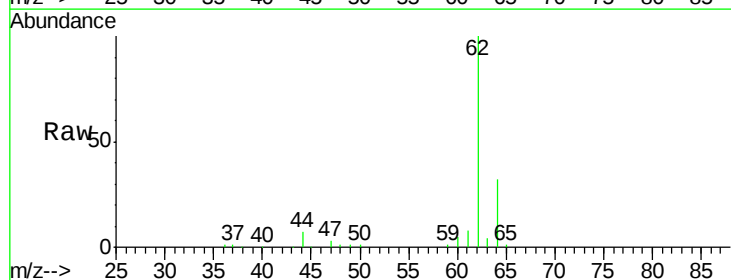
Acq: 15 Jan 2019 18:21

Tgt Ion: 62 Resp: 47071

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 30.843 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

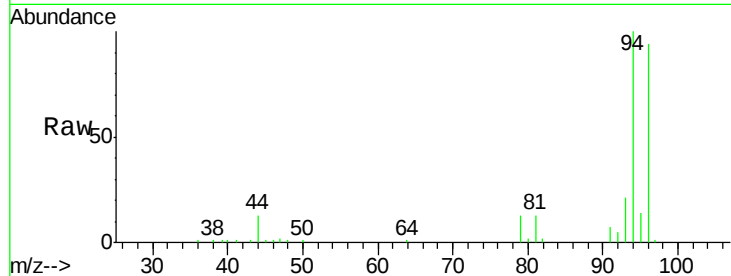
VSTDCCC050EC

Tot Ion: 94 Resp: 25736

Ion Ratio Lower Upper

94 100

96 94.3 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

25000

20000

15000

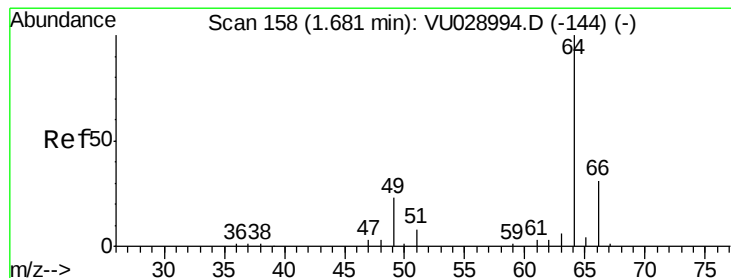
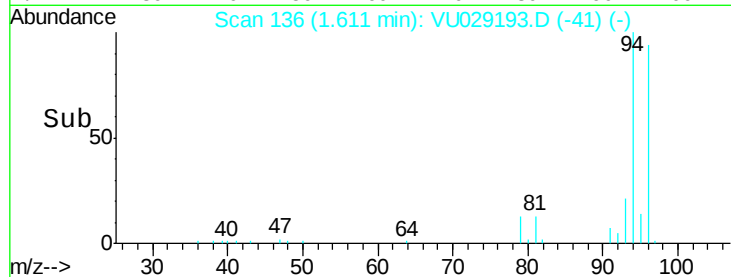
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 29.868 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029193.D

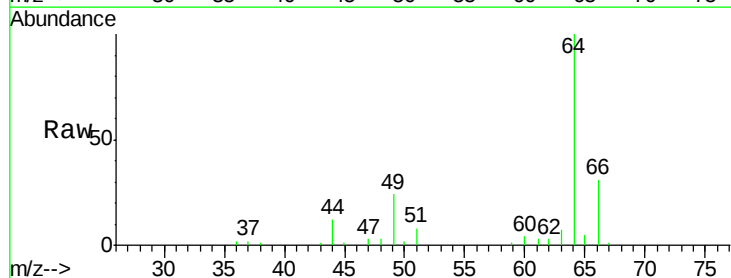
Acq: 15 Jan 2019 18:21

Tgt Ion: 64 Resp: 27824

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

25000

20000

15000

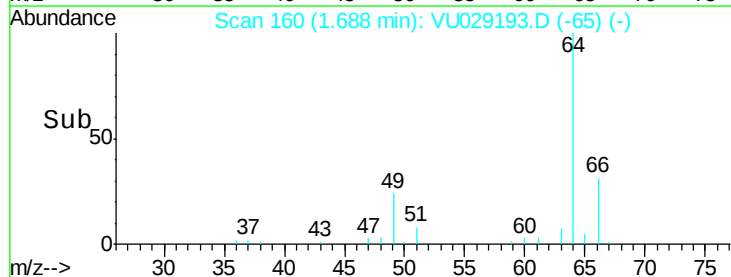
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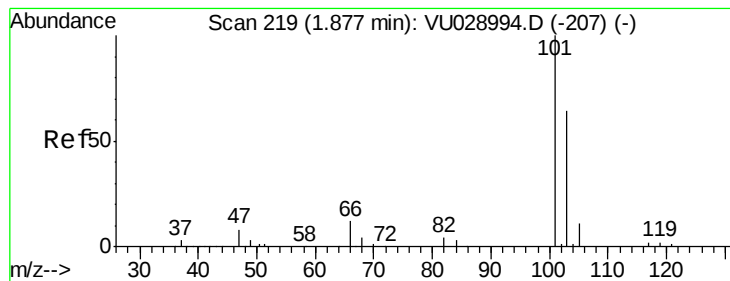
5000

0

Time-->

1.60 1.65 1.70 1.75



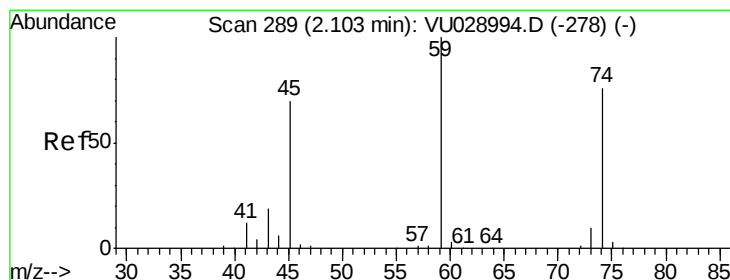
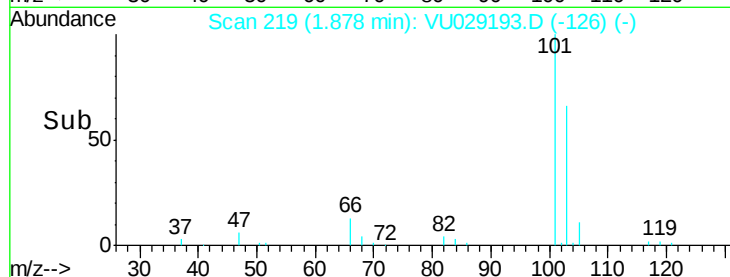
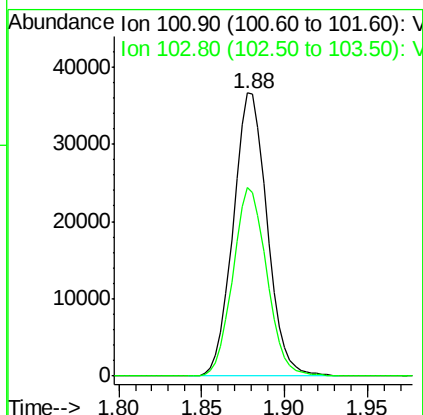
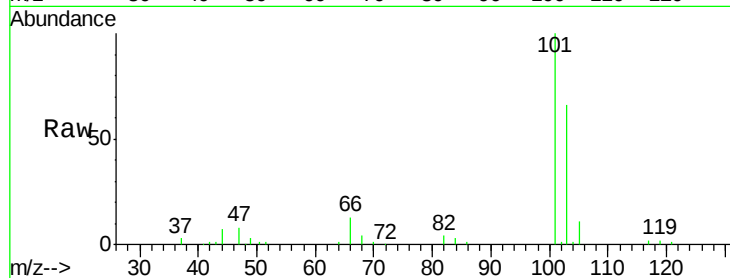


#7

Trichlorofluoromethane
Concen: 30.565 ug/l
RT: 1.88 min Scan# 219
Delta R.T. 0.00 min
Lab File: VU029193.D
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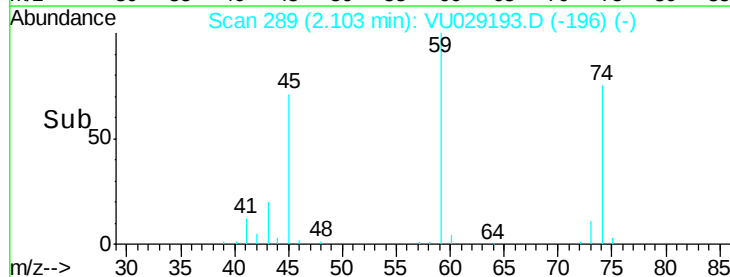
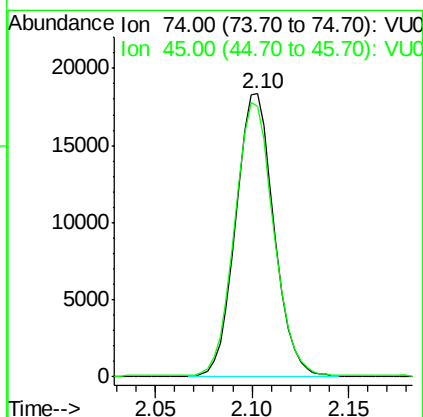
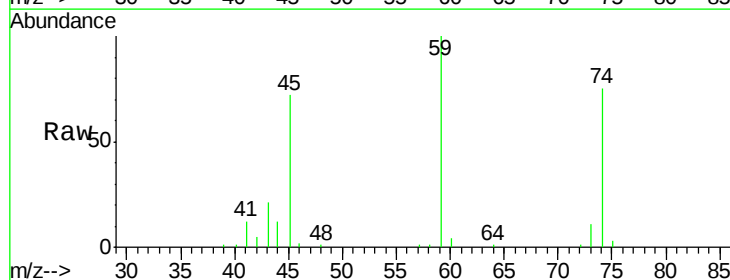
Tot Ion:101 Resp: 52090
Ion Ratio Lower Upper
101 100
103 66.5 51.5 77.3

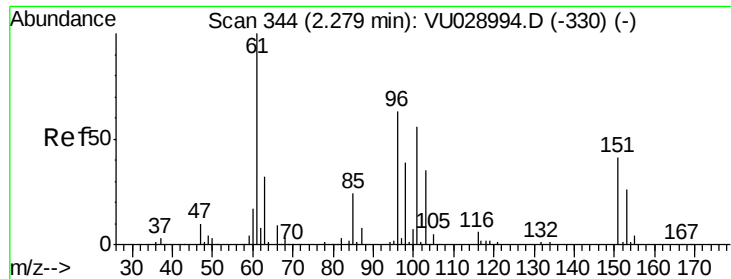


#8

Diethyl Ether
Concen: 30.824 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 74 Resp: 25237
Ion Ratio Lower Upper
74 100
45 97.6 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.122 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

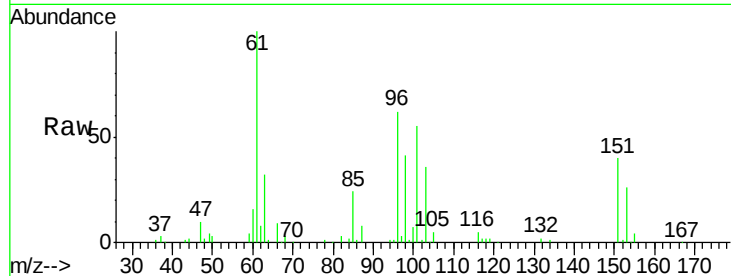
Tot Ion:101 Resp: 33208

Ion Ratio Lower Upper

101 100

85 42.7 35.1 52.7

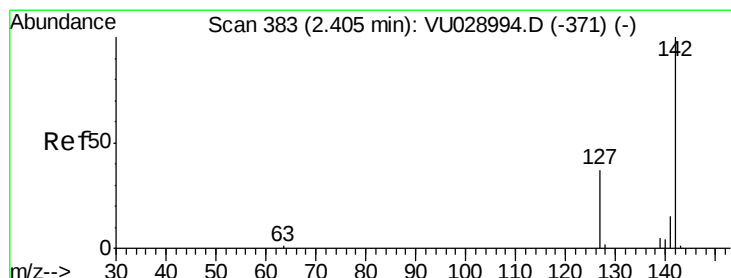
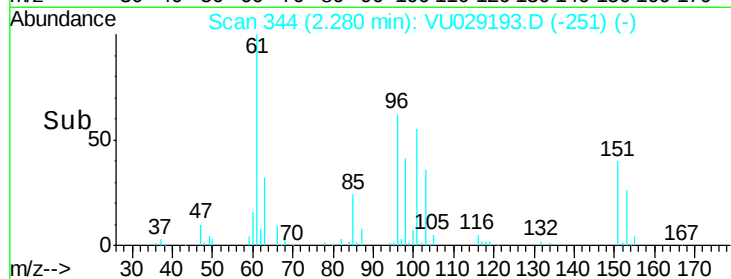
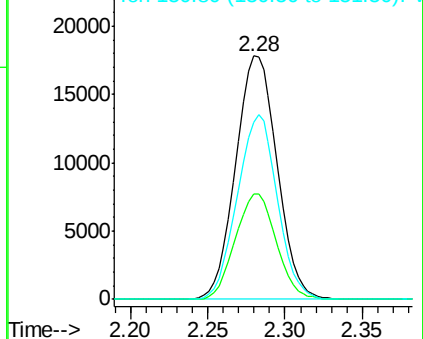
151 73.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 32.195 ug/l

RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

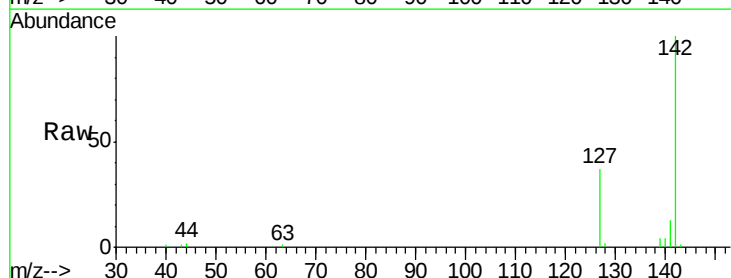
Tgt Ion:142 Resp: 34519

Ion Ratio Lower Upper

142 100

127 37.9 29.8 44.6

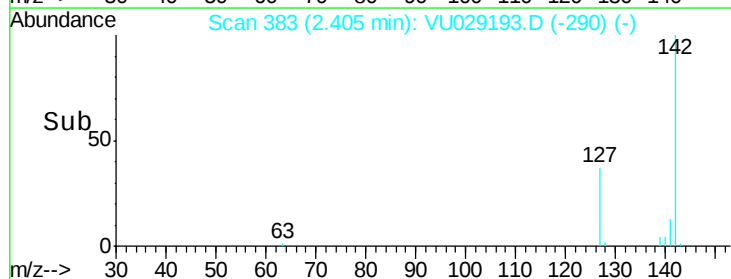
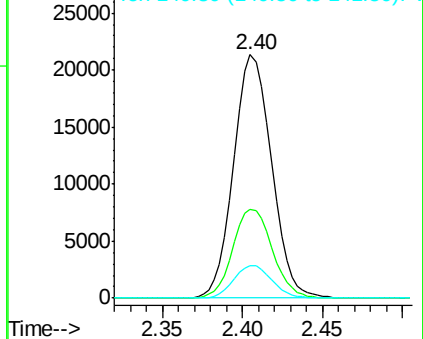
141 13.3 11.5 17.3



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



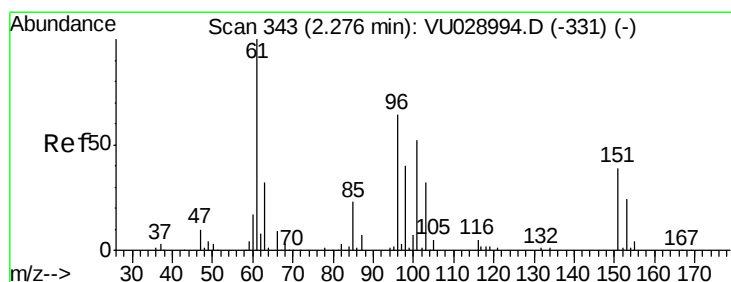
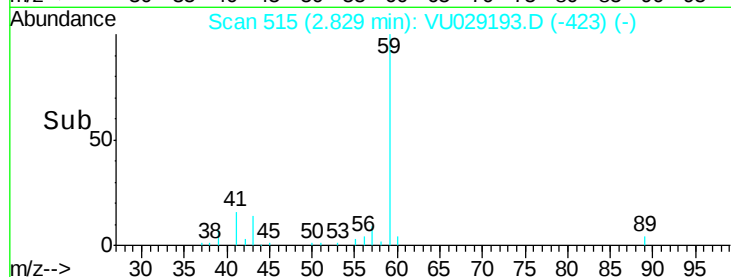
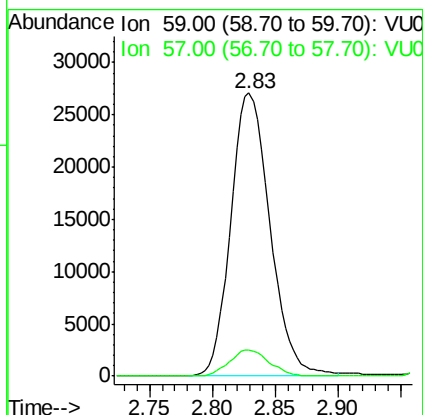
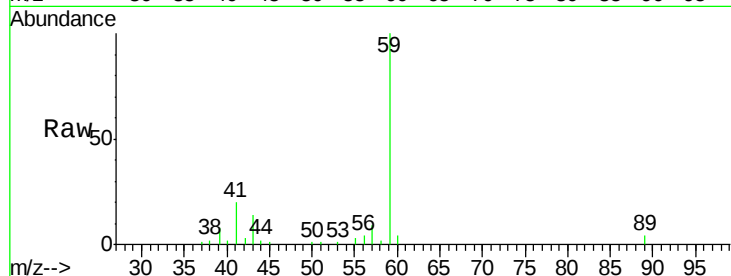


#11

Tert butyl alcohol
 Concen: 175.782 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

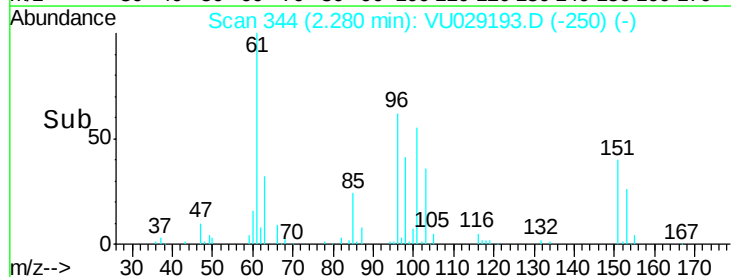
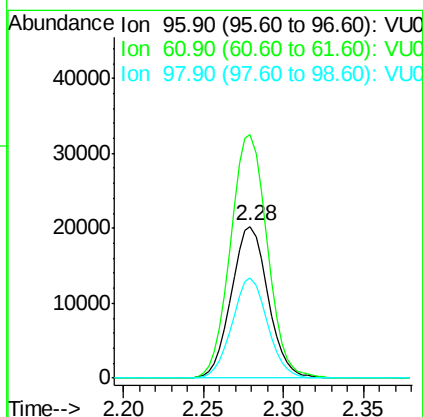
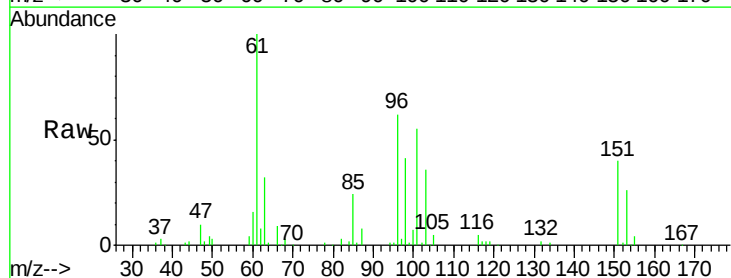
Tot Ion: 59 Resp: 59110
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.9 11.9

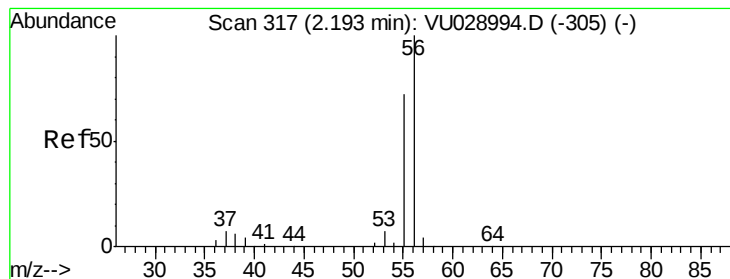


#12

1,1-Dichloroethene
 Concen: 28.492 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 96 Resp: 31623
 Ion Ratio Lower Upper
 96 100
 61 160.3 125.4 188.0
 98 66.1 49.7 74.5





#13

Acrolein

Concen: 255.582 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

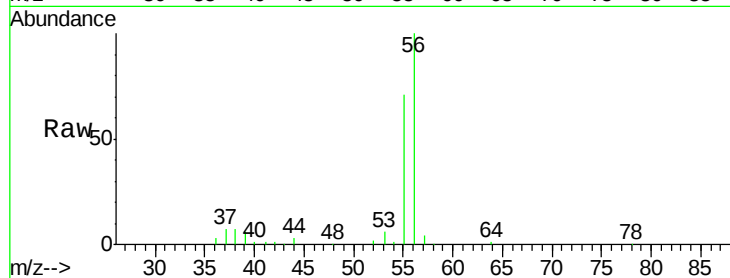
VSTDCCC050EC

Tot Ion: 56 Resp: 64535

Ion Ratio Lower Upper

56 100

55 70.8 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU029193.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029193.D (-224) (-)

2.19

40000

30000

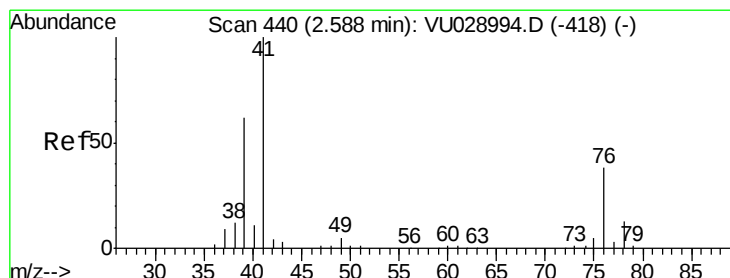
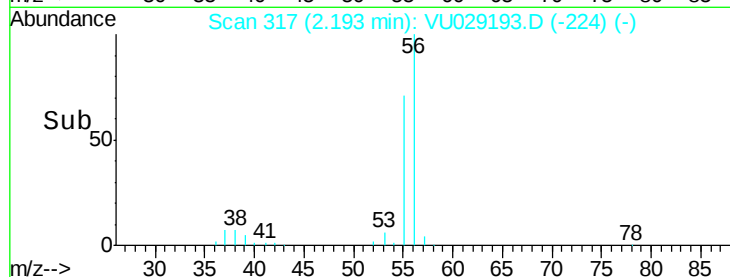
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 29.483 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

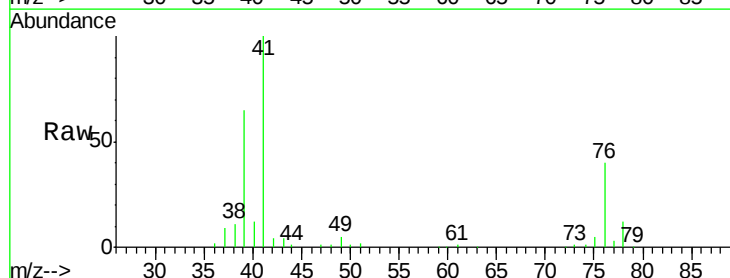
Tgt Ion: 41 Resp: 60042

Ion Ratio Lower Upper

41 100

39 63.2 45.0 67.6

76 37.9 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029193.D (-347) (-)

Ion 39.00 (38.70 to 39.70): VU029193.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029193.D (-347) (-)

2.59

40000

30000

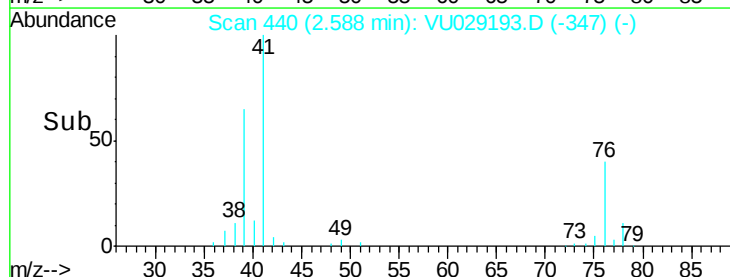
20000

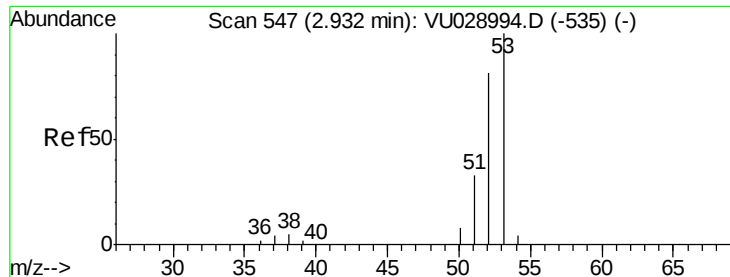
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 172.897 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

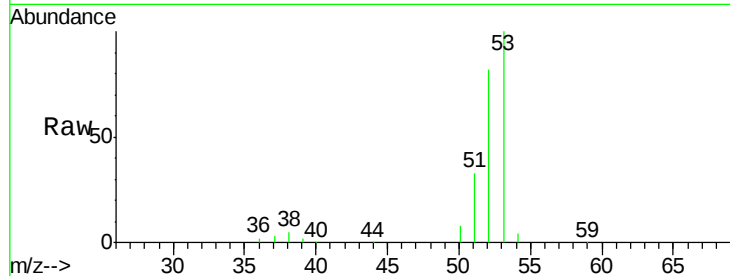
Tot Ion: 53 Resp: 142637

Ion Ratio Lower Upper

53 100

52 81.1 64.8 97.2

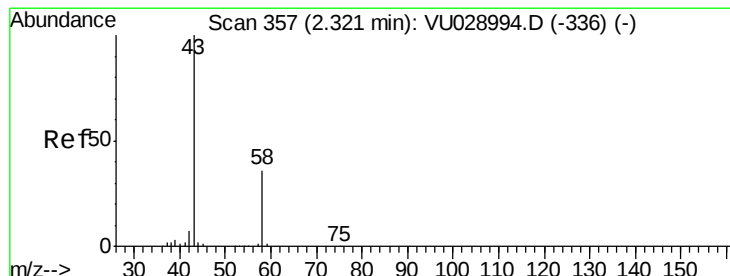
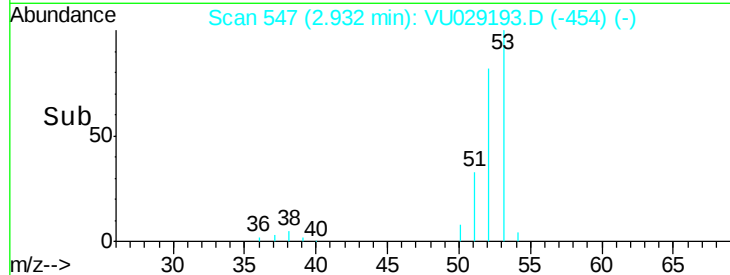
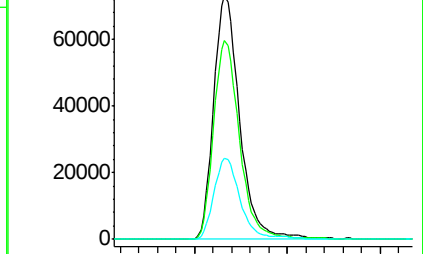
51 34.1 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU029193.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU029193.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU029193.D (-535) (-)



#16

Acetone

Concen: 143.528 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029193.D

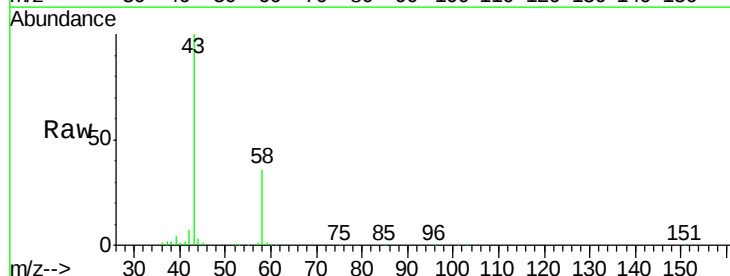
Acq: 15 Jan 2019 18:21

Tgt Ion: 43 Resp: 119615

Ion Ratio Lower Upper

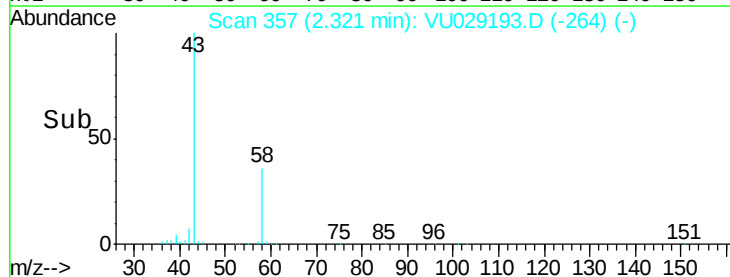
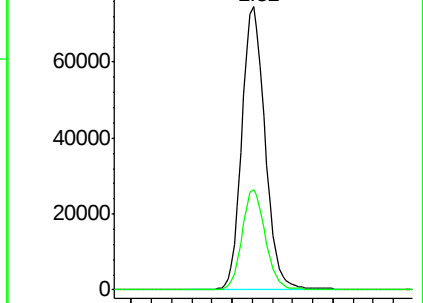
43 100

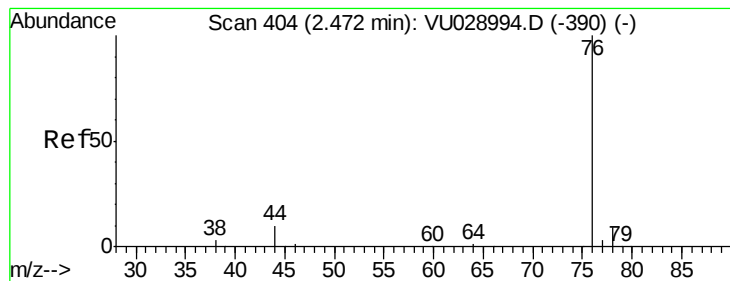
58 35.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU029193.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU029193.D (-264) (-)





#17

Carbon Disulfide

Concen: 26.820 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

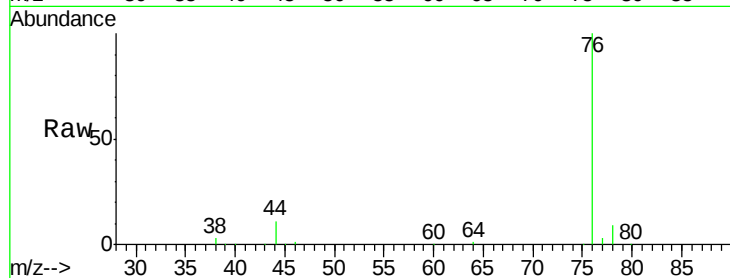
VSTDCCC050EC

Tot Ion: 76 Resp: 99523

Ion Ratio Lower Upper

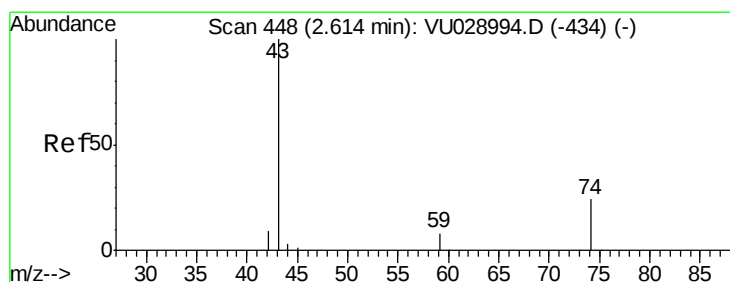
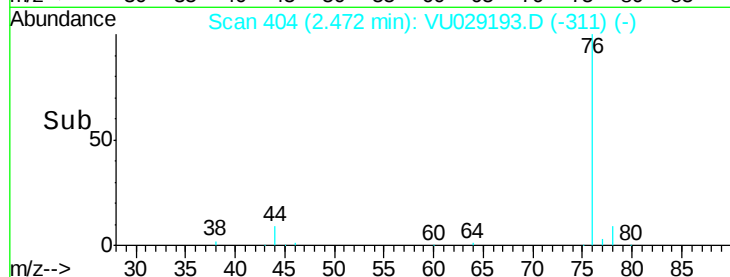
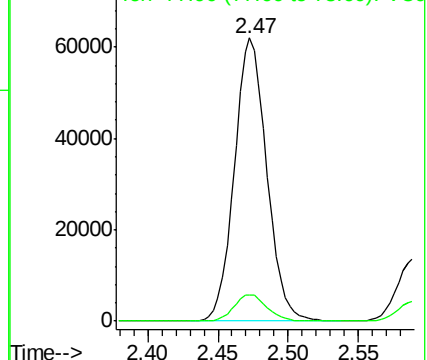
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 37.740 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029193.D

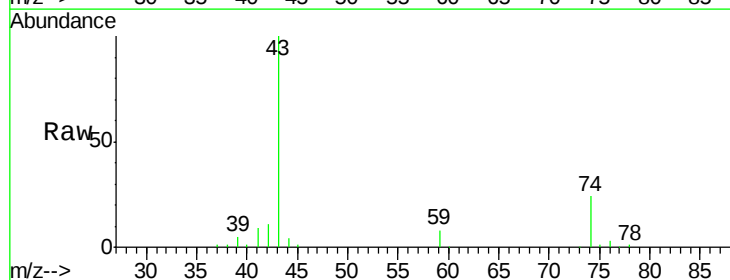
Acq: 15 Jan 2019 18:21

Tgt Ion: 43 Resp: 73131

Ion Ratio Lower Upper

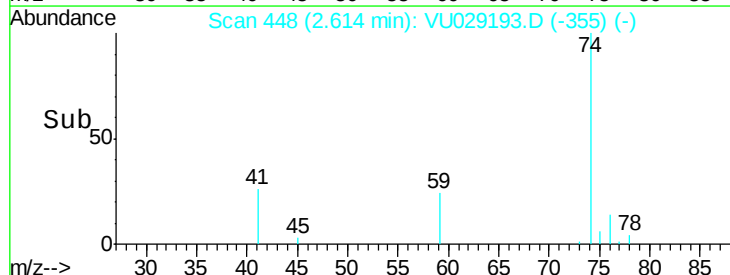
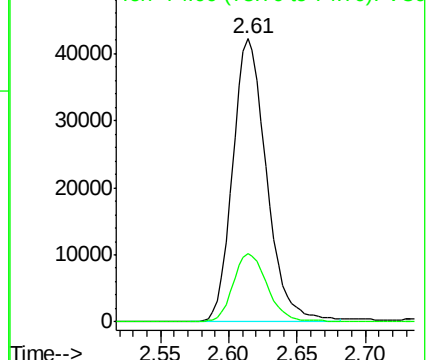
43 100

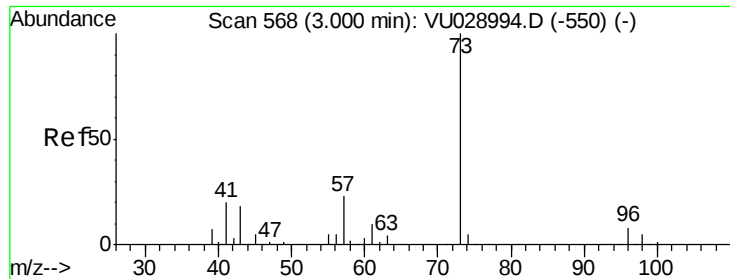
74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

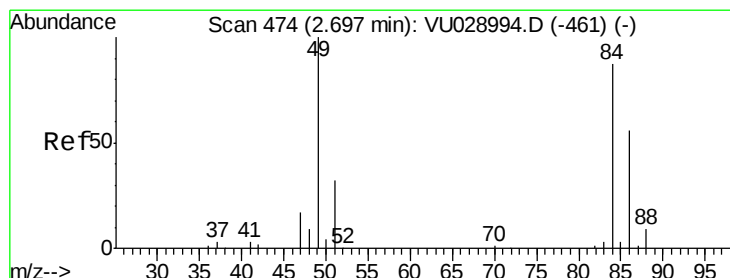
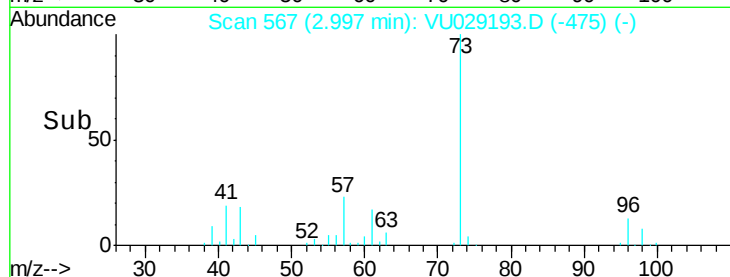
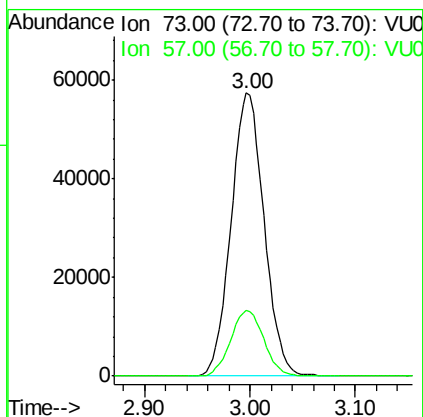
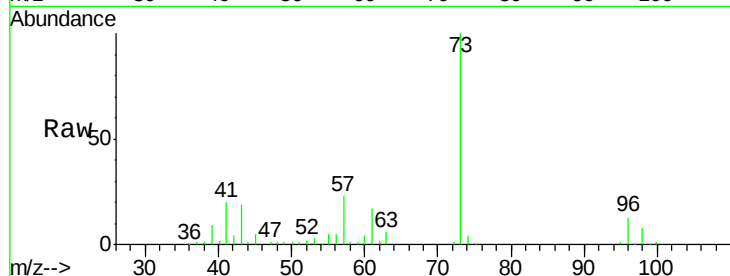




#19
Methvl tert-butvl Ether
Concen: 31.856 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

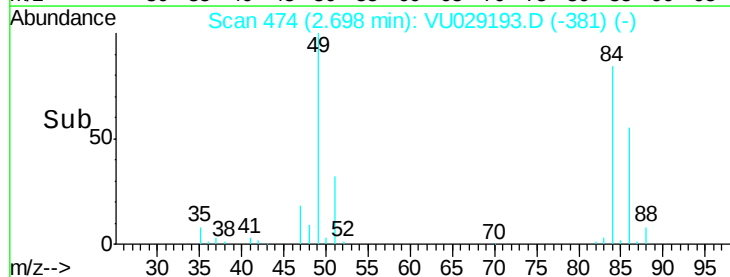
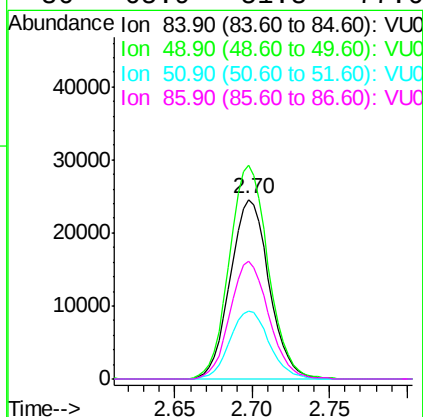
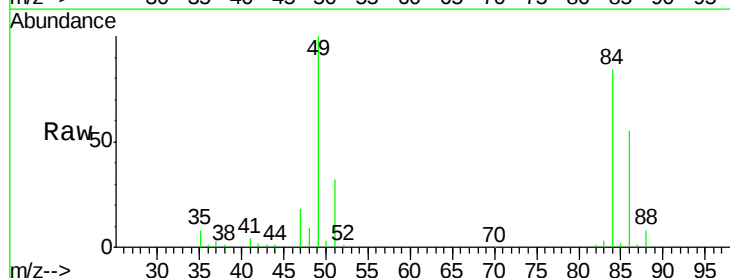
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

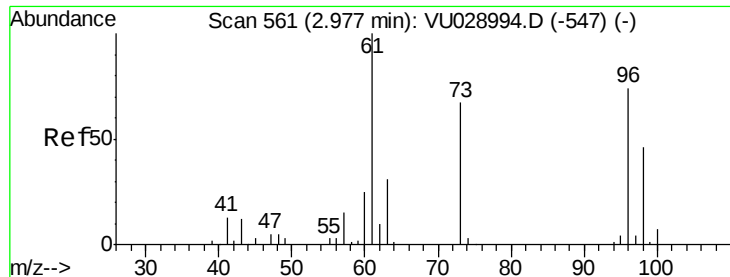
Tot Ion: 73 Resp: 124305
Ion Ratio Lower Upper
73 100
57 23.1 18.6 28.0



#20
Methylene Chloride
Concen: 30.338 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 84 Resp: 42927
Ion Ratio Lower Upper
84 100
49 119.1 91.9 137.9
51 38.1 29.2 43.8
86 65.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 29.092 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

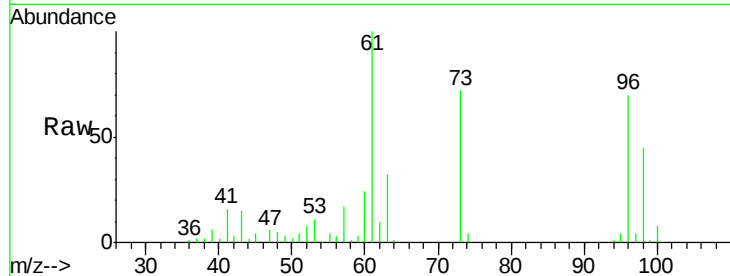
Tot Ion: 96 Resp: 37514

Ion Ratio Lower Upper

96 100

61 143.0 107.7 161.5

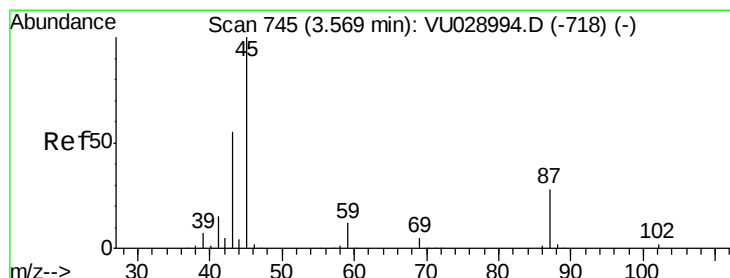
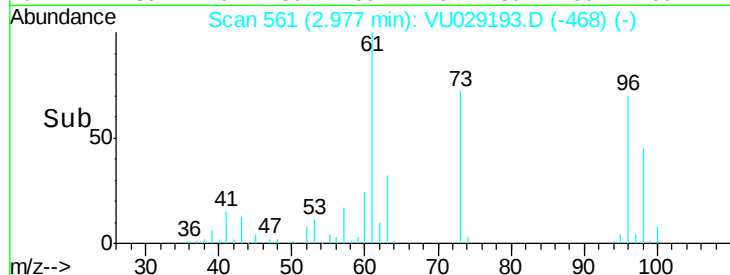
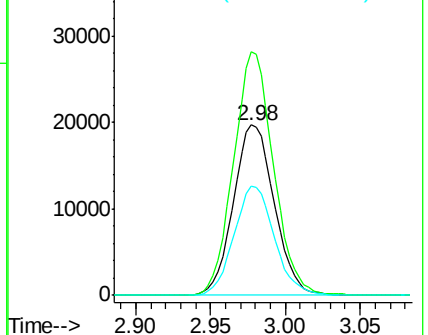
98 63.8 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU028994.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028994.D (-547) (-)



#22

Diisopropyl ether

Concen: 33.201 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Tgt Ion: 45 Resp: 133631

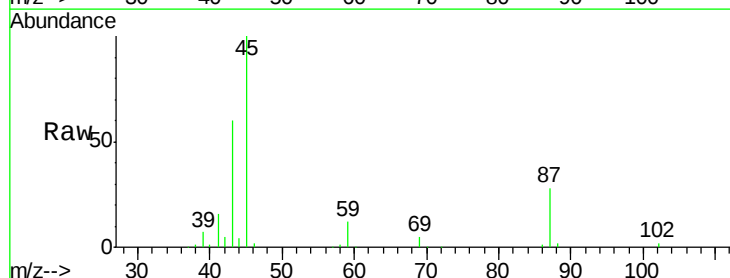
Ion Ratio Lower Upper

45 100

43 58.8 44.7 67.1

87 27.7 22.2 33.2

59 11.8 9.8 14.8

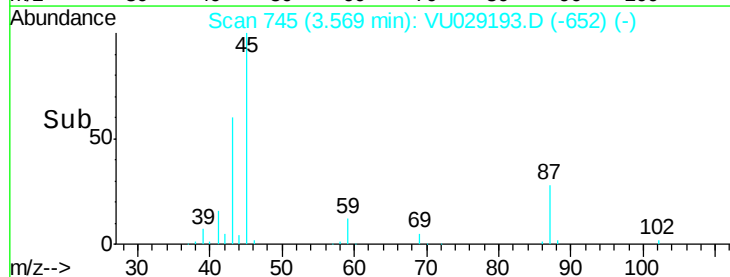
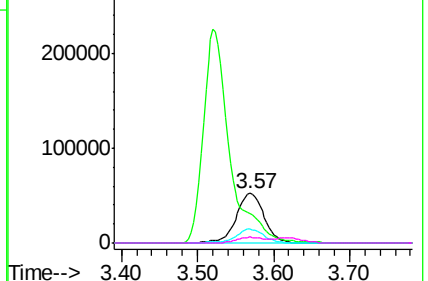


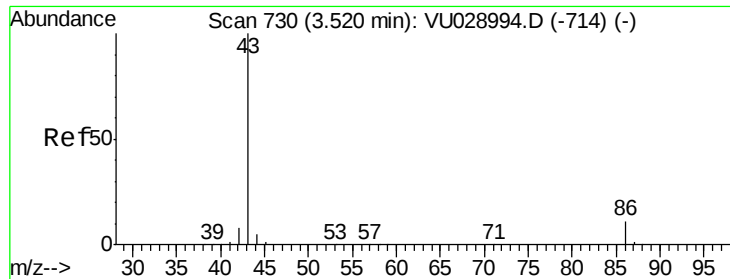
Abundance Ion 45.00 (44.70 to 45.70): VU028994.D (-718) (-)

Ion 43.00 (42.70 to 43.70): VU028994.D (-718) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-718) (-)

Ion 59.00 (58.70 to 59.70): VU028994.D (-718) (-)





#23

Vinyl Acetate

Concen: 165.072 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

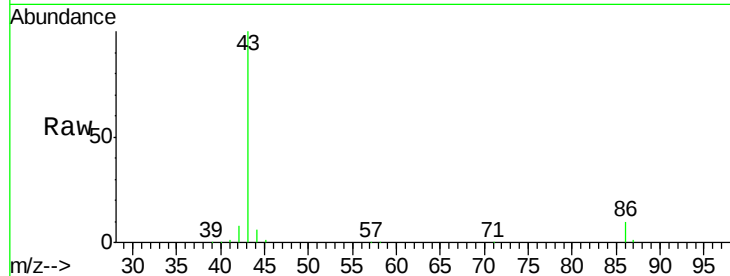
VSTDCCC050EC

Tot Ion: 43 Resp: 543144

Ion Ratio Lower Upper

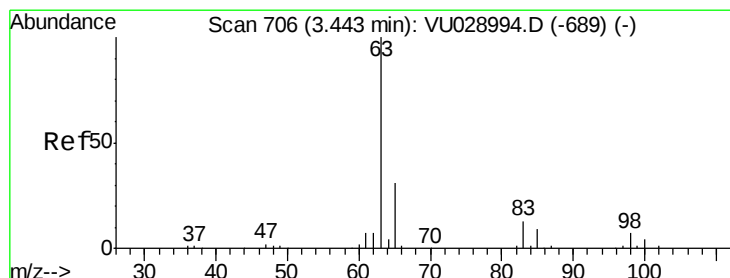
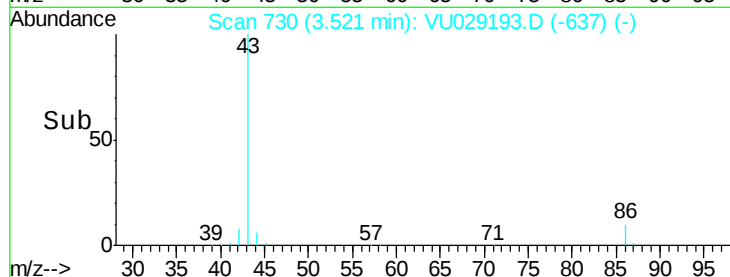
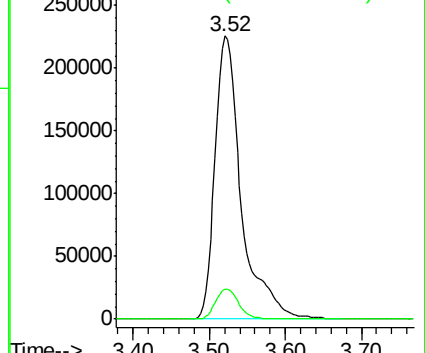
43 100

86 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 32.573 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

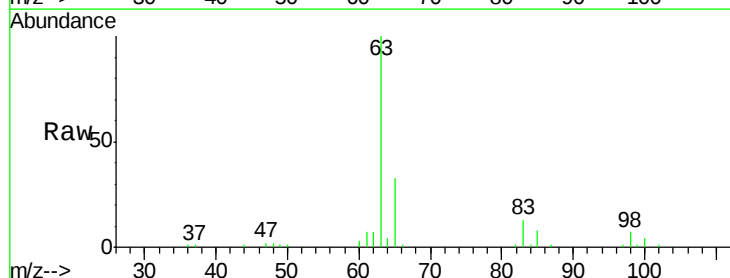
Tgt Ion: 63 Resp: 75682

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

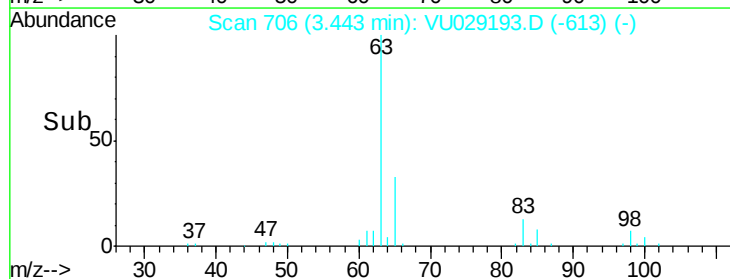
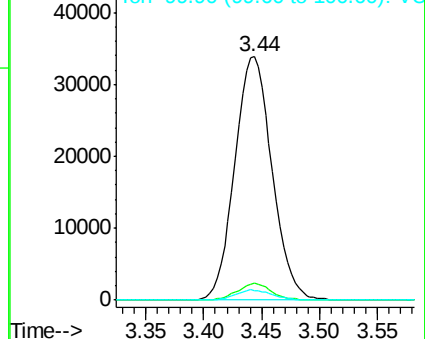
100 3.9 2.0 5.8

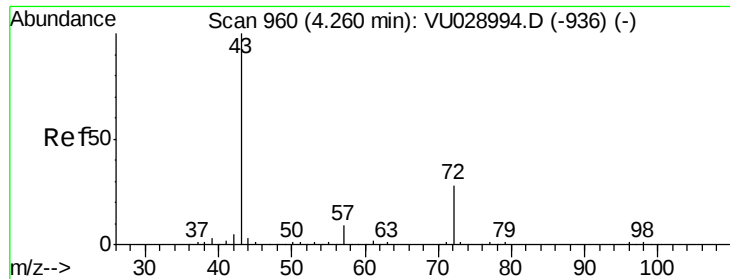


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 170.663 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

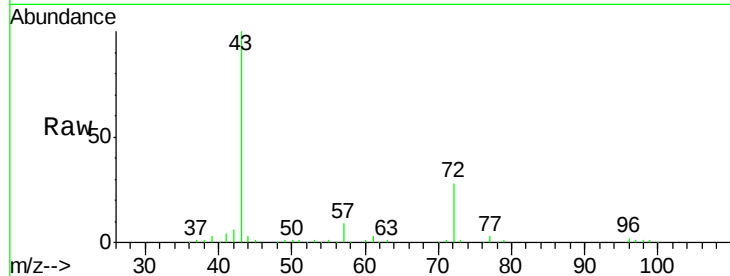
VSTDCCC050EC

Tot Ion: 43 Resp: 192101

Ion Ratio Lower Upper

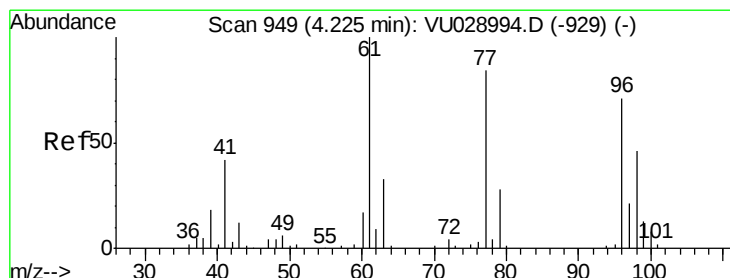
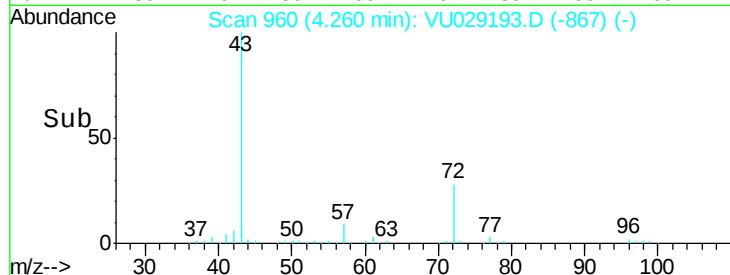
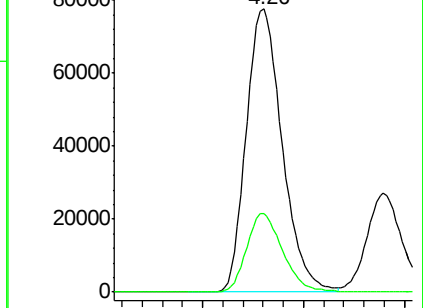
43 100

72 27.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-936) (-)



#26

2,2-Dichloropropane

Concen: 30.876 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029193.D

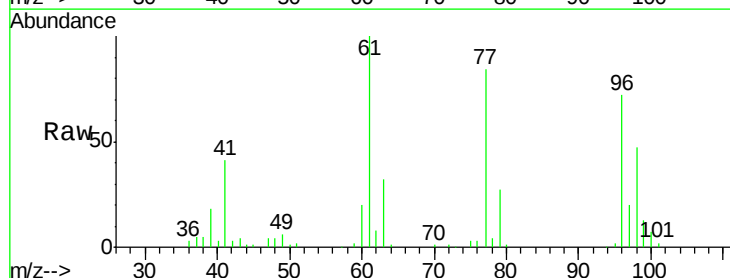
Acq: 15 Jan 2019 18:21

Tgt Ion: 77 Resp: 57967

Ion Ratio Lower Upper

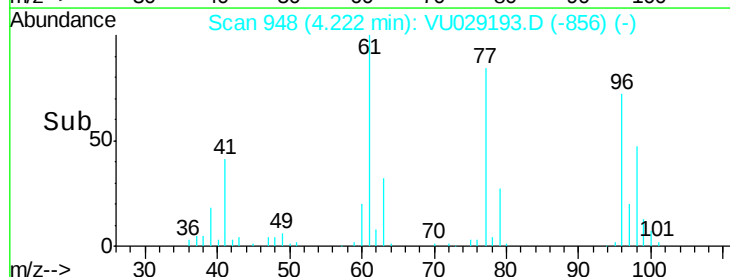
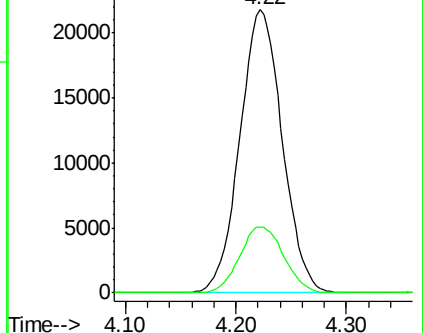
77 100

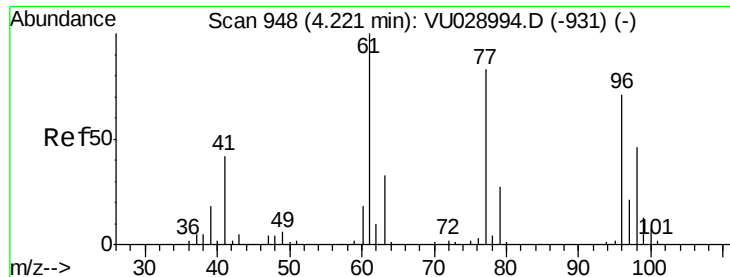
97 24.3 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028994.D (-929) (-)



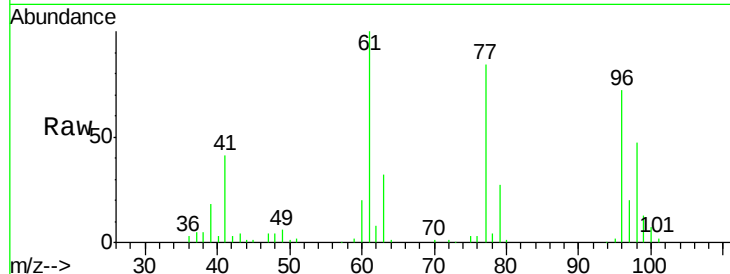


#27

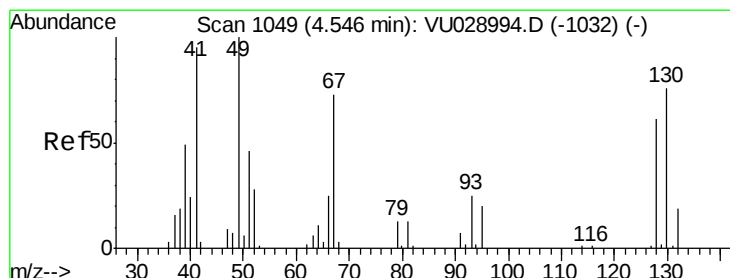
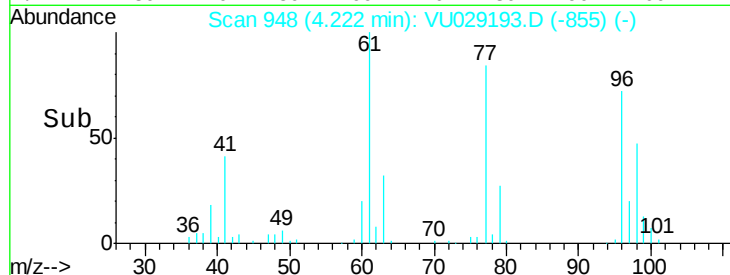
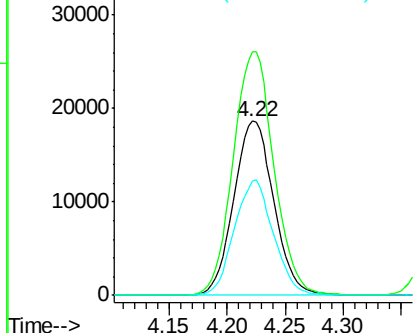
cis-1,2-Dichloroethene
 Concen: 31.753 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 44783
 Ion Ratio Lower Upper
 96 100
 61 142.7 0.0 285.6
 98 64.5 0.0 130.2



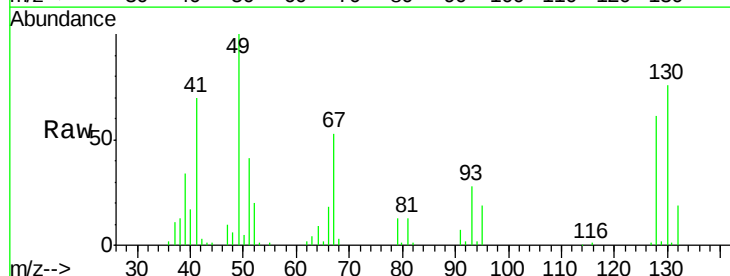
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



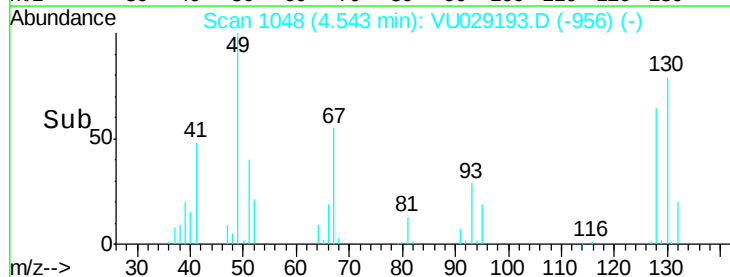
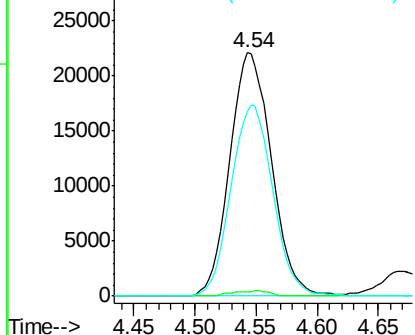
#28

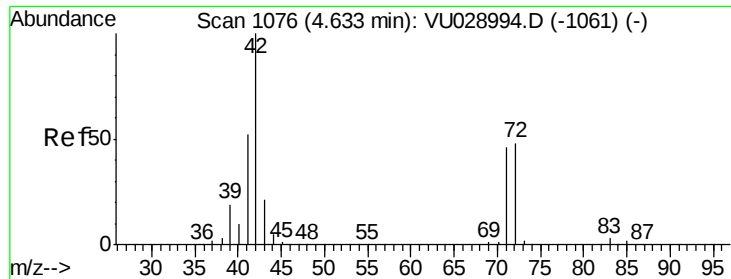
Bromochloromethane
 Concen: 52.667 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 49 Resp: 52398
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.4
 130 78.7 62.9 94.3



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

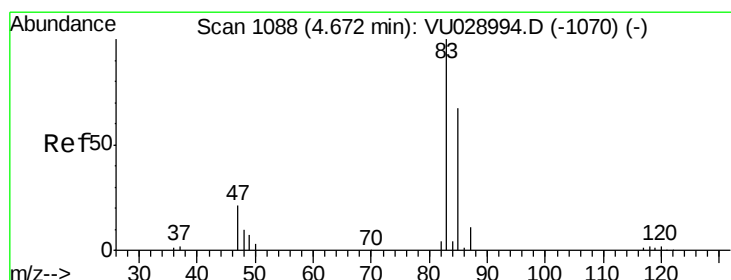
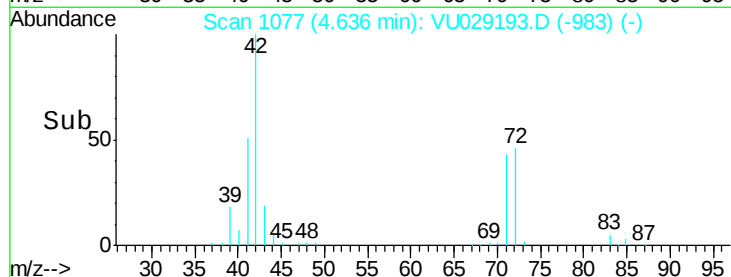
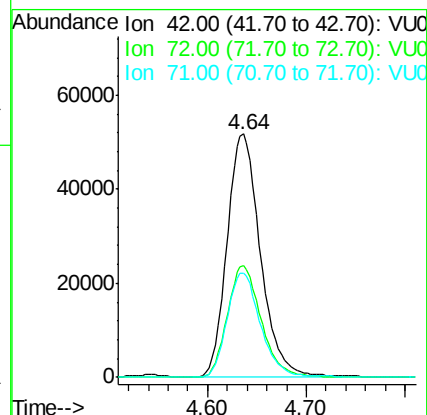
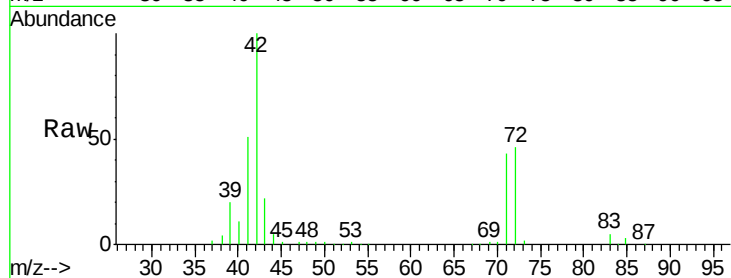




#29
Tetrahydrofuran
Concen: 179.423 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

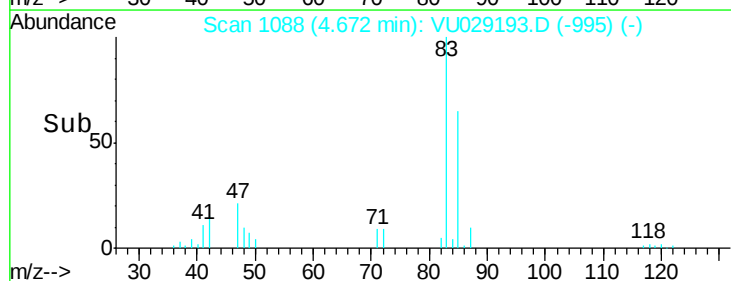
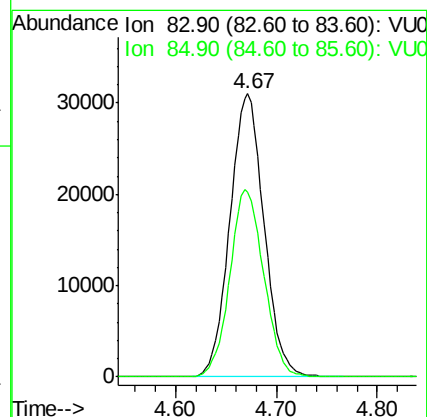
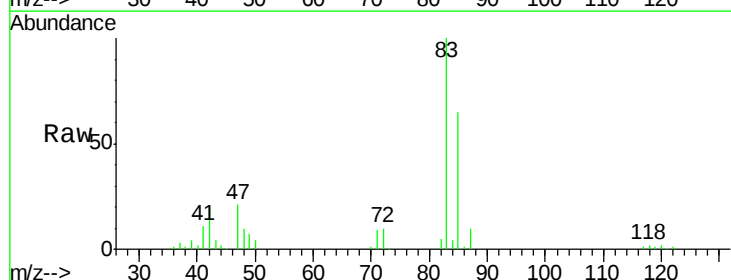
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

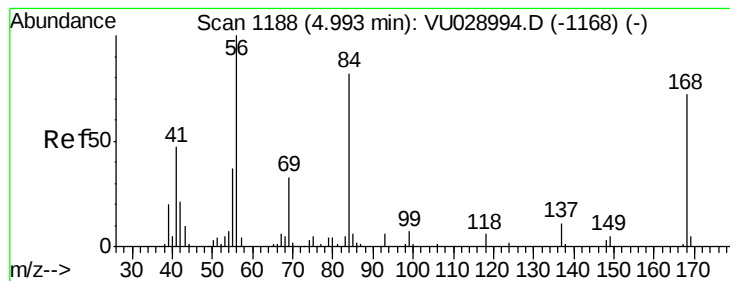
Tot Ion: 42 Resp: 122493
Ion Ratio Lower Upper
42 100
72 46.4 38.3 57.5
71 43.1 36.1 54.1



#30
Chloroform
Concen: 33.002 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 83 Resp: 73034
Ion Ratio Lower Upper
83 100
85 65.3 53.4 80.0





#31

Cyclohexane

Concen: 29.503 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

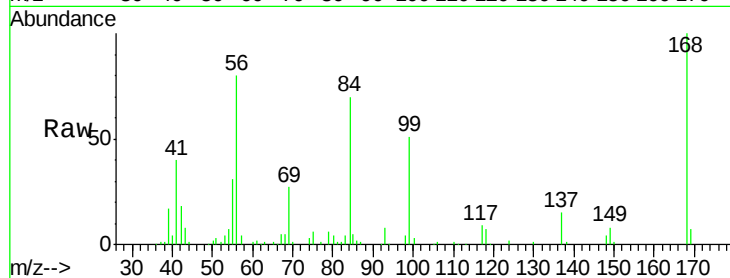
Tot Ion: 56 Resp: 65718

Ion Ratio Lower Upper

56 100

69 33.8 26.7 40.1

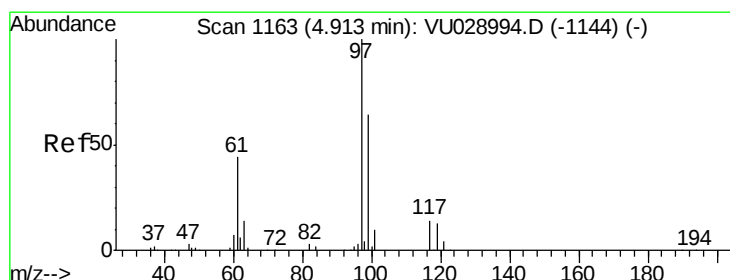
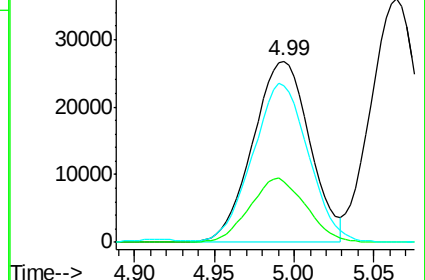
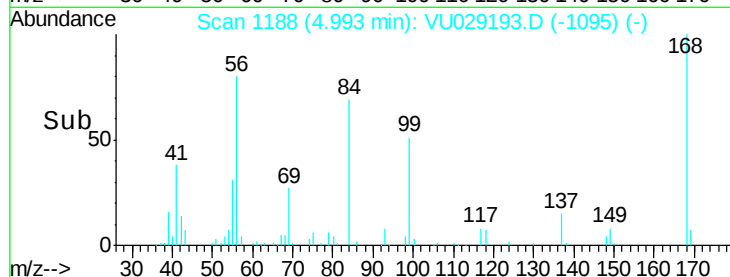
84 86.3 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VU029193.D (-1095) (-)

Ion 69.00 (68.70 to 69.70): VU029193.D (-1095) (-)

Ion 84.00 (83.70 to 84.70): VU029193.D (-1095) (-)



#32

1,1,1-Trichloroethane

Concen: 31.855 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

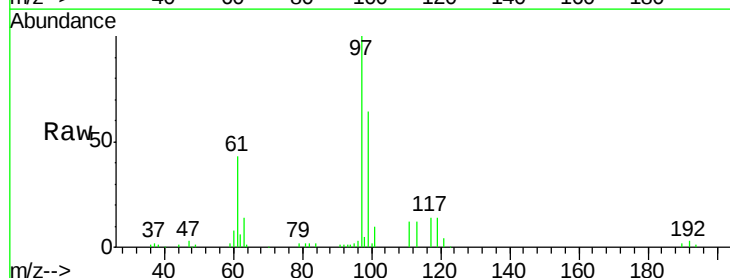
Tgt Ion: 97 Resp: 58250

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

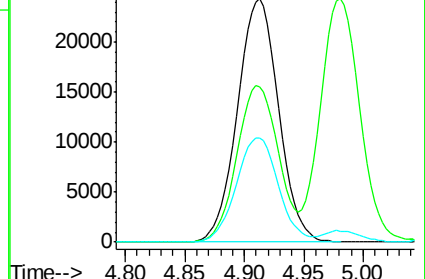
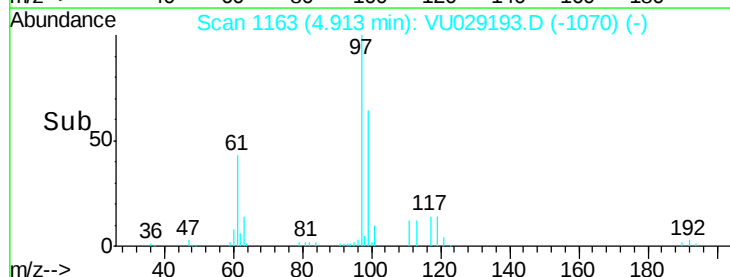
61 43.9 34.4 51.6

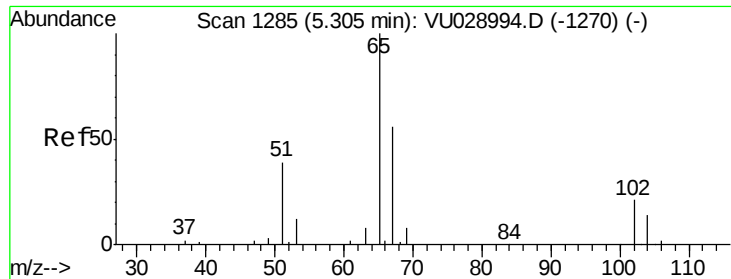


Abundance Ion 96.90 (96.60 to 97.60): VU029193.D (-1070) (-)

Ion 98.90 (98.60 to 99.60): VU029193.D (-1070) (-)

Ion 60.90 (60.60 to 61.60): VU029193.D (-1070) (-)

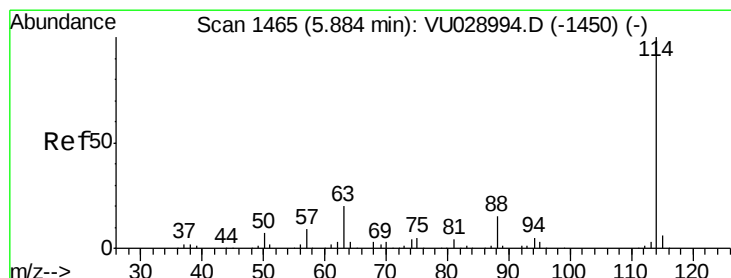
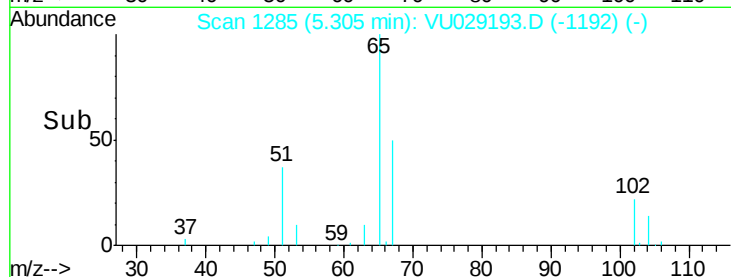
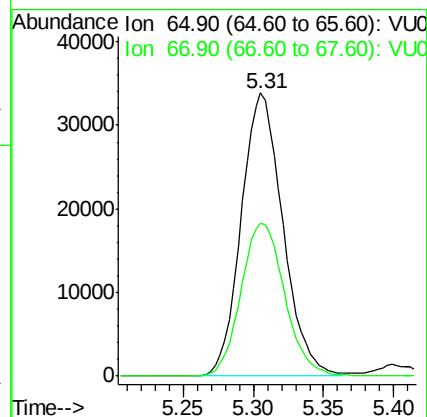
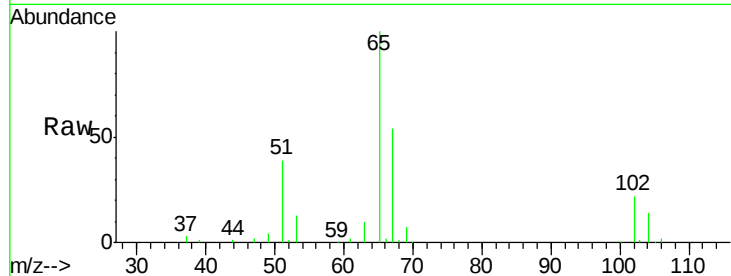




#33
 1,2-Dichloroethane-d4
 Concen: 52.940 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

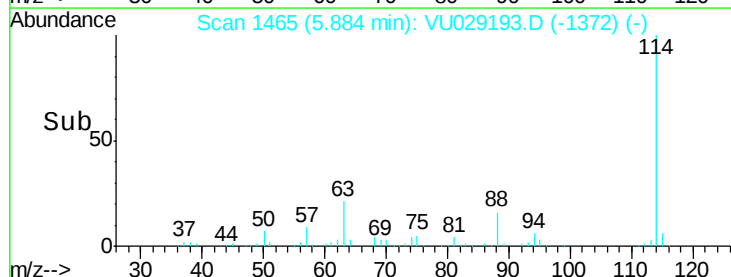
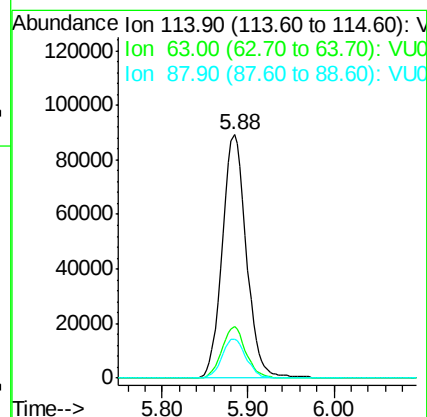
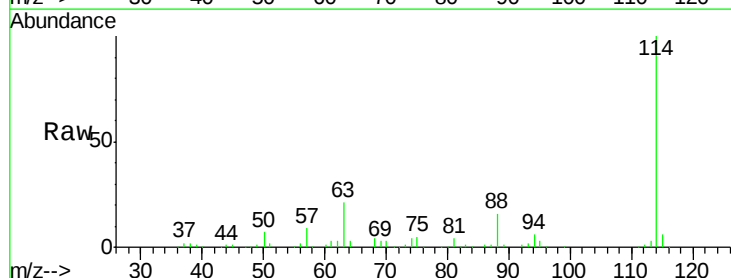
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

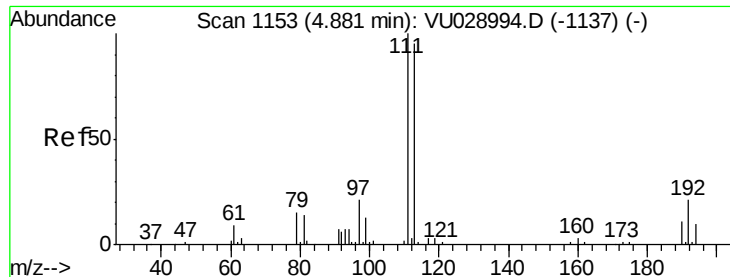
Tot Ion: 65 Resp: 70036
 Ion Ratio Lower Upper
 65 100
 67 56.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 114 Resp: 174685
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.2
 88 16.1 0.0 30.4

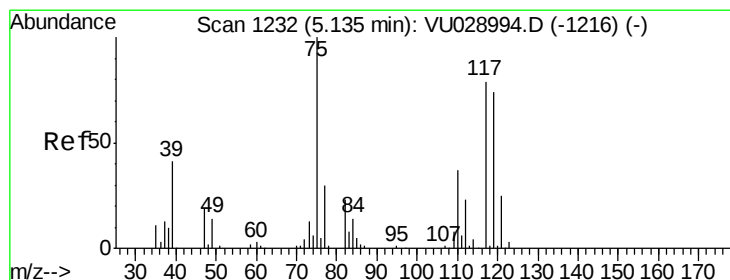
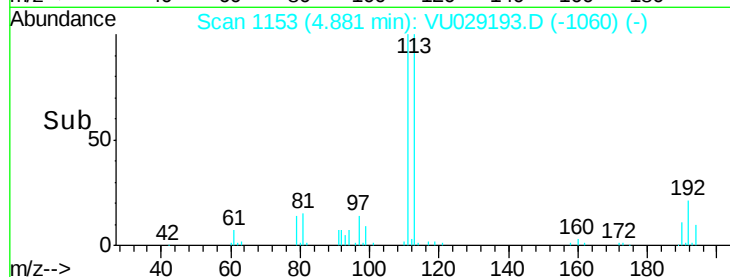
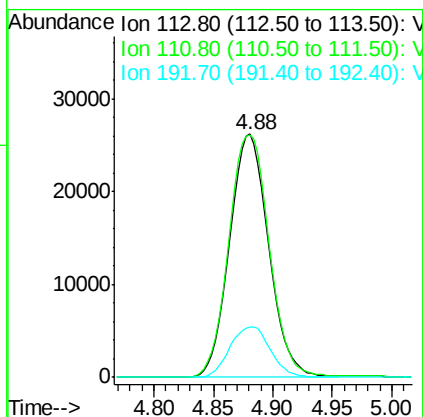
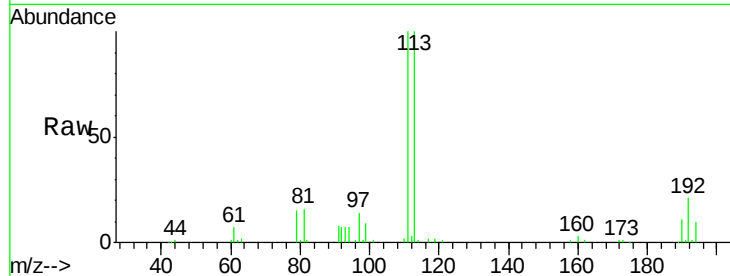




#35
 Dibromofluoromethane
 Concen: 52.614 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

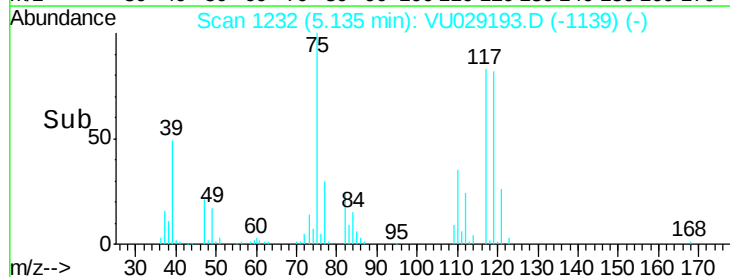
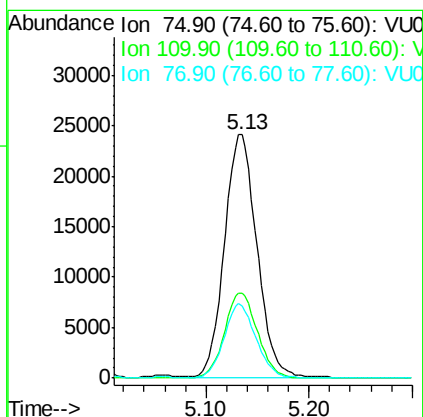
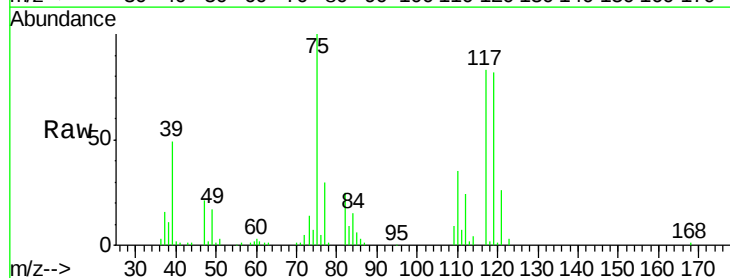
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

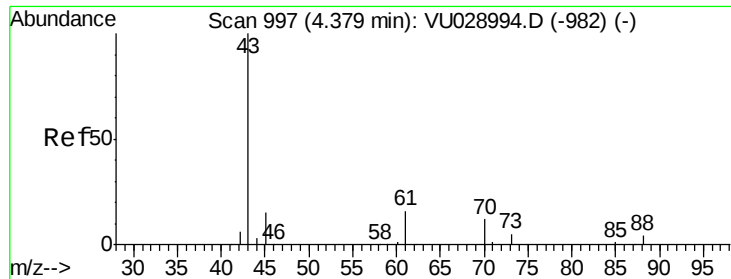
Tot Ion:113 Resp: 59578
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.2
 192 21.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 30.514 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 75 Resp: 53280
 Ion Ratio Lower Upper
 75 100
 110 35.1 18.4 55.4
 77 29.7 25.1 37.7

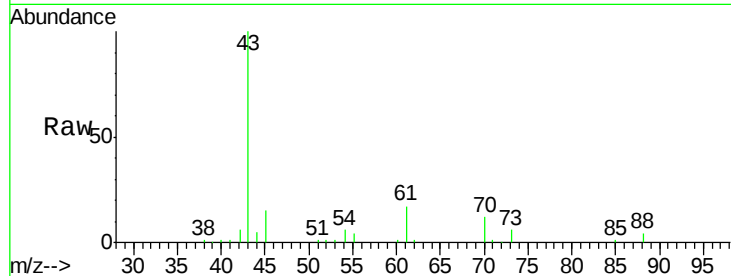




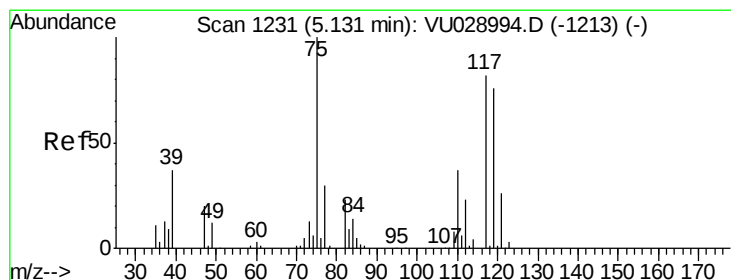
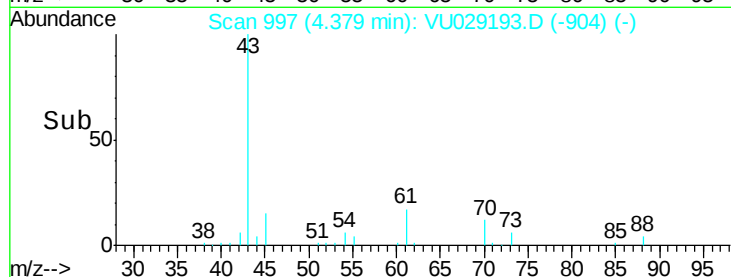
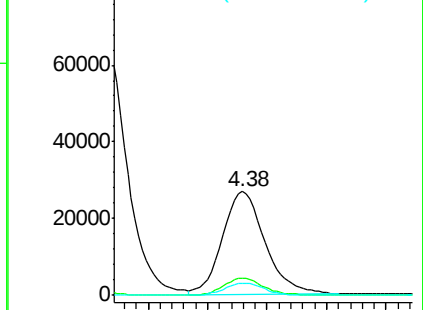
#37
Ethyl Acetate
Concen: 34.481 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 66086
Ion Ratio Lower Upper
43 100
61 15.9 12.6 18.8
70 11.2 9.3 13.9

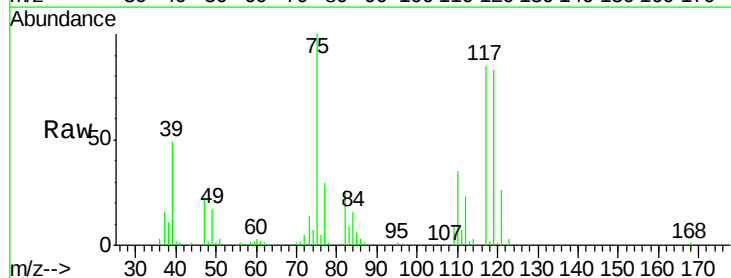


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)
Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)
Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)

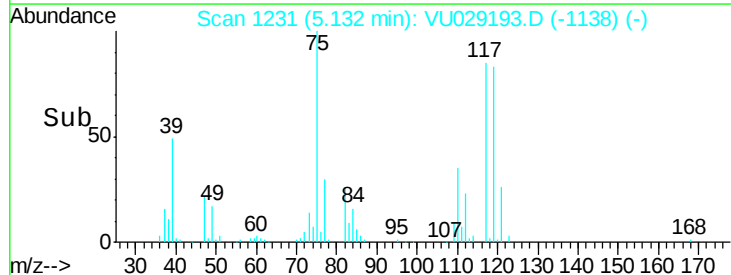
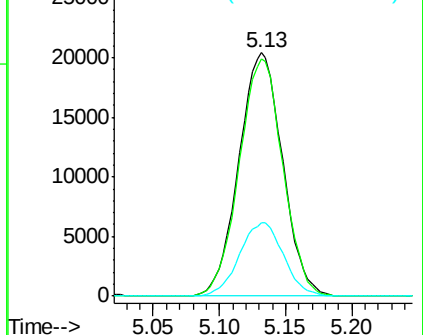


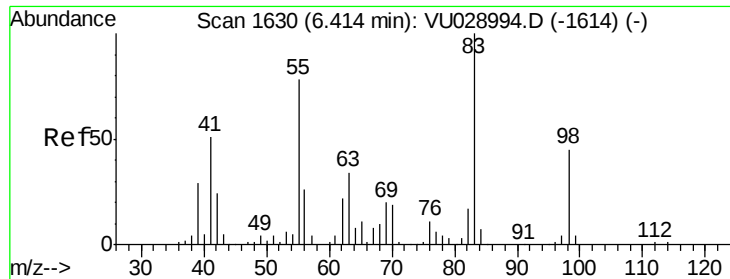
#38
Carbon Tetrachloride
Concen: 32.127 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 117 Resp: 46787
Ion Ratio Lower Upper
117 100
119 97.5 74.6 111.8
121 30.2 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)
Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)
Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

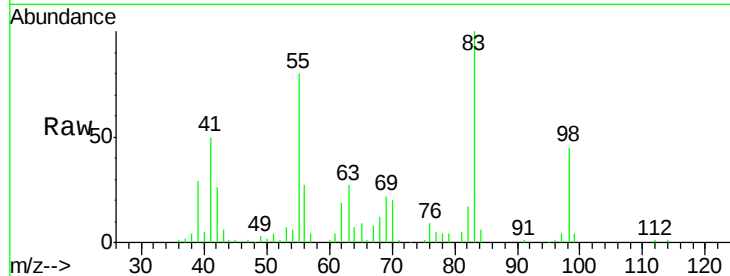




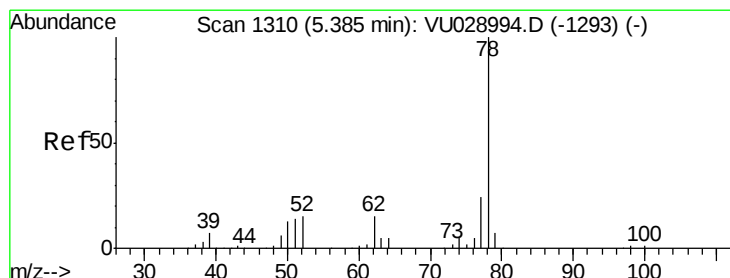
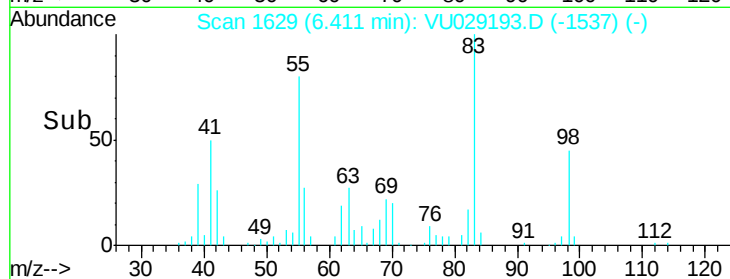
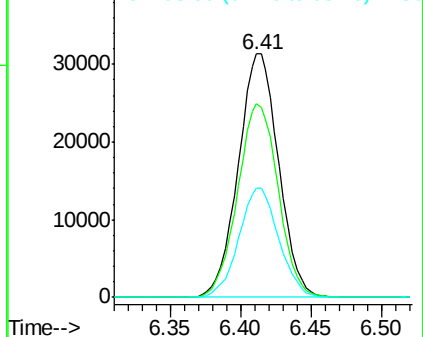
#39
Methvlcvclohexane
Concen: 29.212 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 62706
Ion Ratio Lower Upper
83 100
55 79.8 62.4 93.6
98 44.8 36.2 54.2

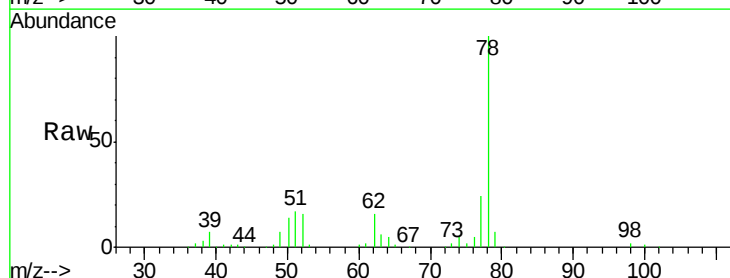


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

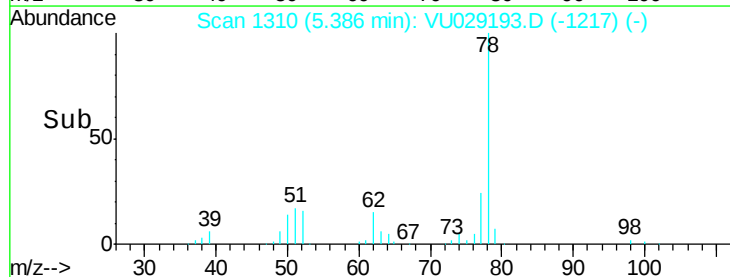
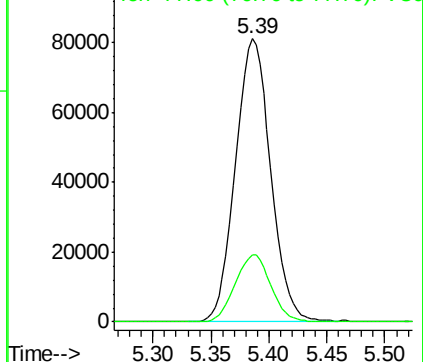


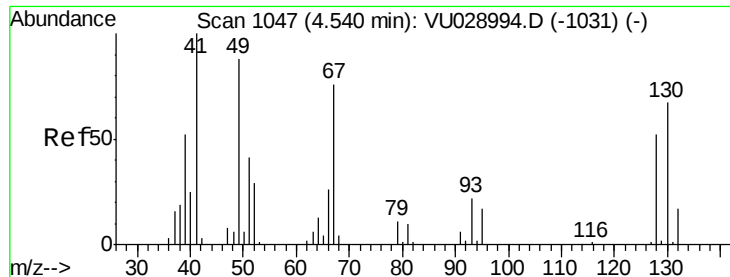
#40
Benzene
Concen: 31.404 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 78 Resp: 171037
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3



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

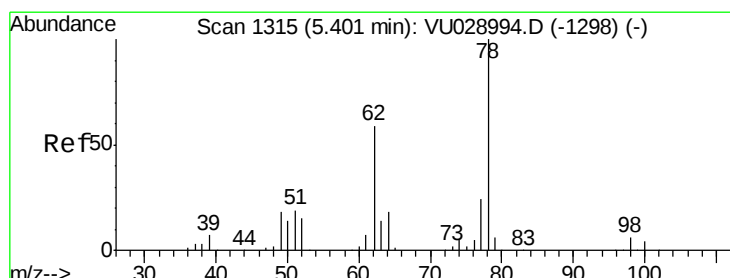
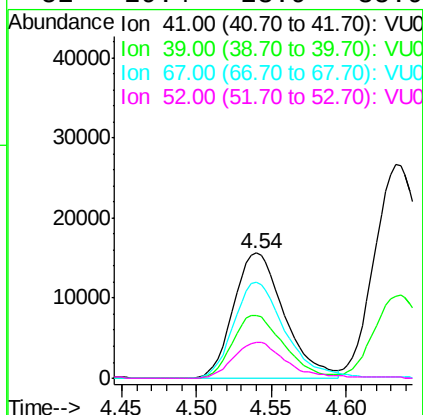
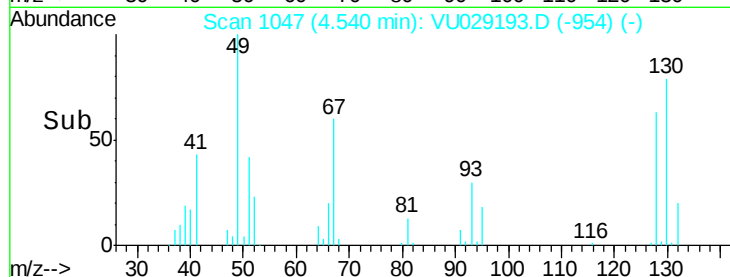
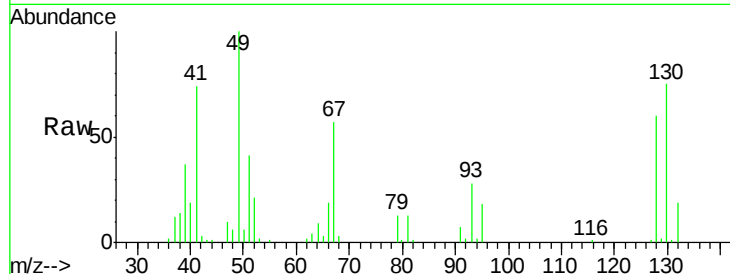




#41
Methacrylonitrile
Concen: 36.076 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

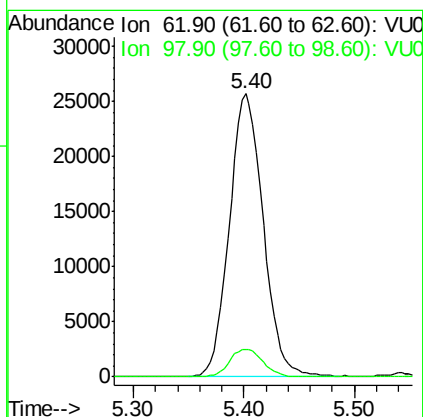
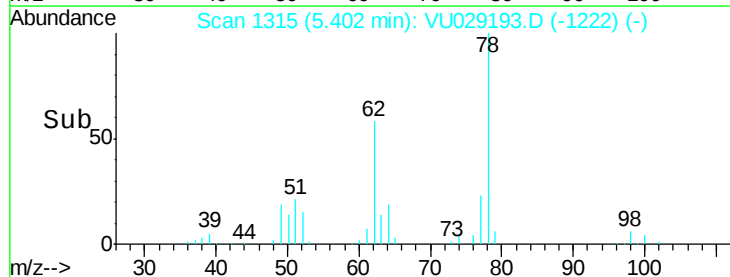
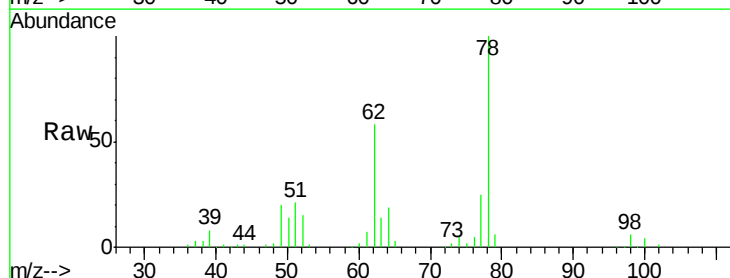
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

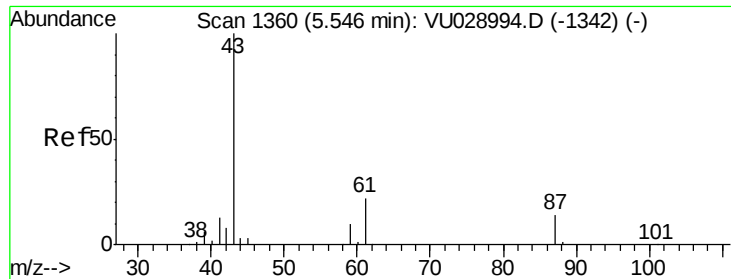
Tot Ion:	41	Resp:	37011
Ion	Ratio	Lower	Upper
41	100		
39	50.8	42.3	63.5
67	78.2	64.4	96.6
52	29.4	23.9	35.9



#42
1,2-Dichloroethane
Concen: 33.451 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion:	62	Resp:	54746
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43

Isopropyl Acetate

Concen: 34.525 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

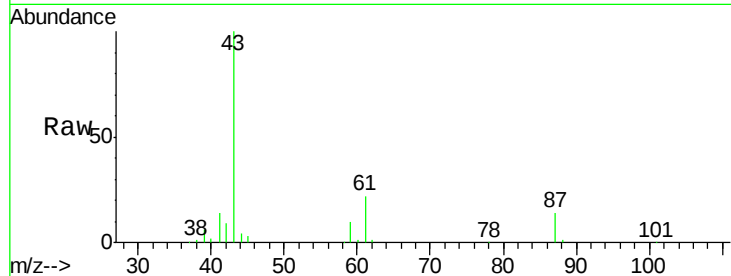
Tot Ion: 43 Resp: 101504

Ion Ratio Lower Upper

43 100

61 22.1 17.8 26.6

87 13.4 11.3 16.9

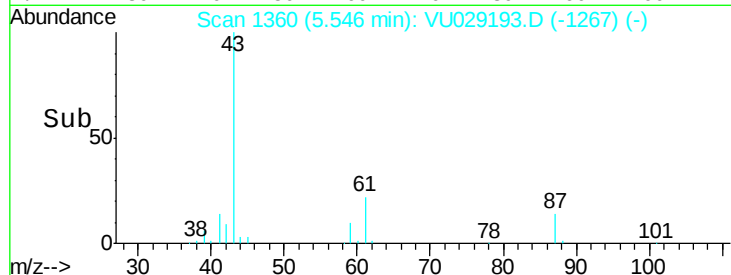


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)

Time-->



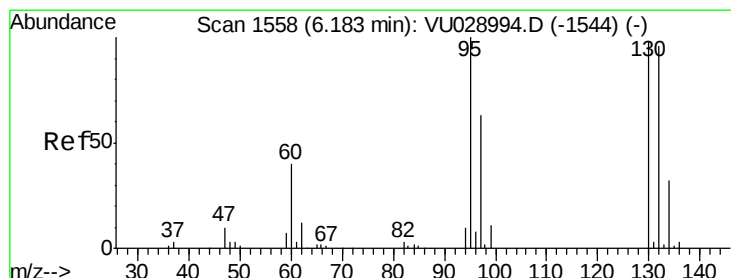
Abundance

Ion 43.00 (42.70 to 43.70): VU029193.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029193.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029193.D (-1267) (-)

Time-->



#44

Trichloroethene

Concen: 29.915 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029193.D

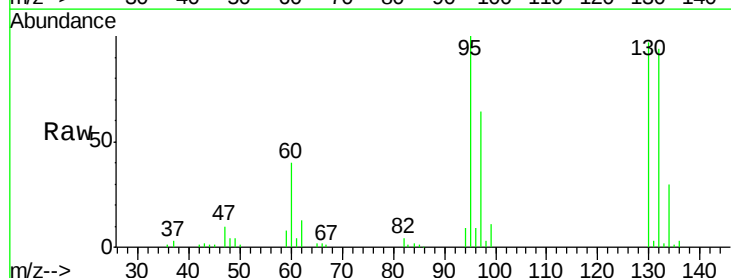
Acq: 15 Jan 2019 18:21

Tgt Ion: 130 Resp: 40369

Ion Ratio Lower Upper

130 100

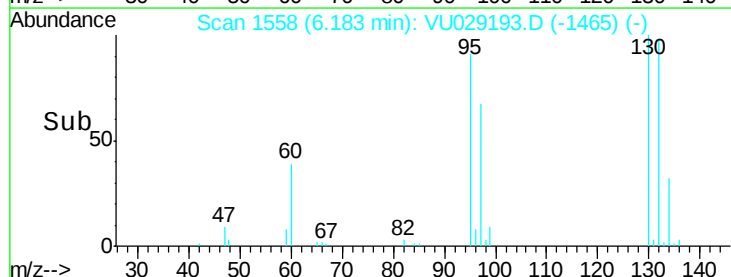
95 103.6 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)

Time-->

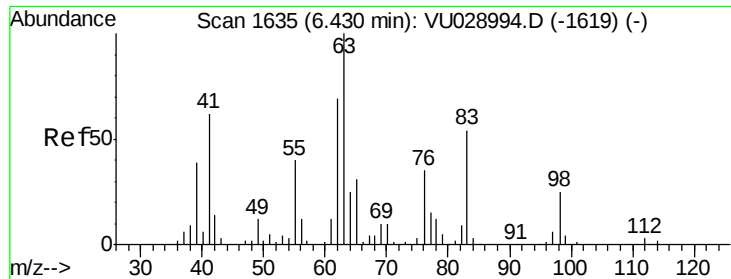


Abundance

Ion 129.80 (129.50 to 130.50): VU029193.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU029193.D (-1465) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 32.840 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

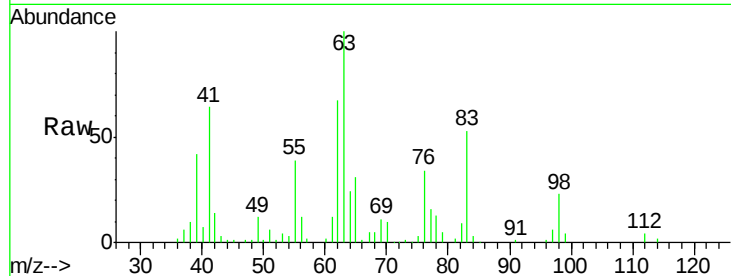
VSTDCCC050EC

Tot Ion: 63 Resp: 47233

Ion Ratio Lower Upper

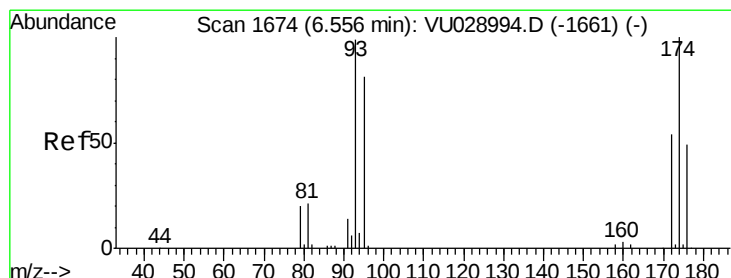
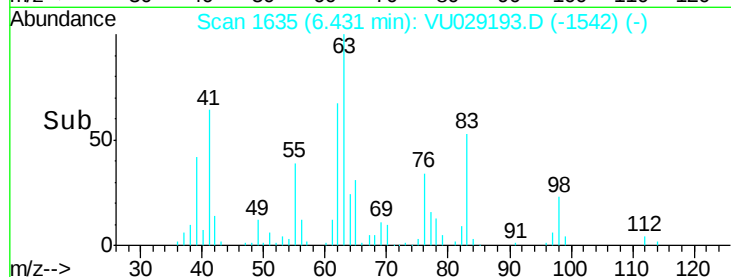
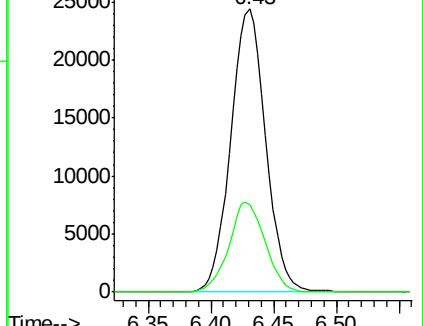
63 100

65 30.9 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU028994.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028994.D (-1619) (-)



#46

Dibromomethane

Concen: 32.580 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

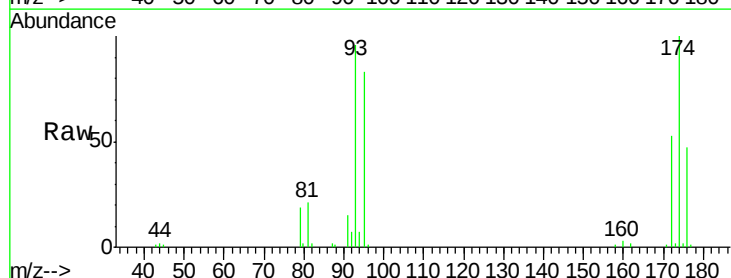
Tgt Ion: 93 Resp: 29955

Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

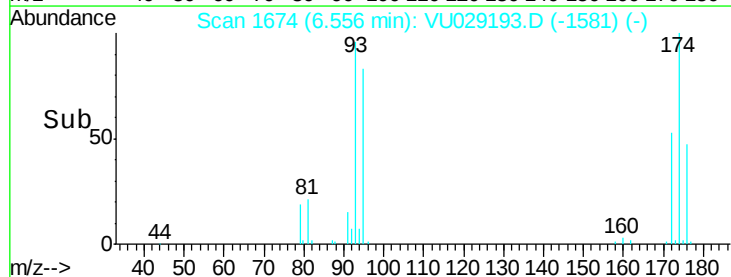
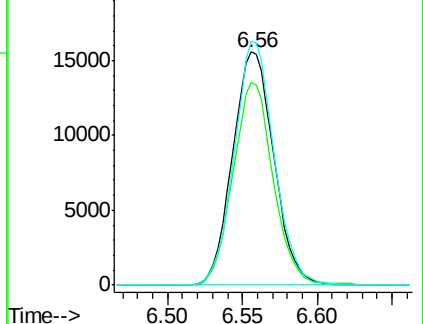
174 100.9 82.6 123.8

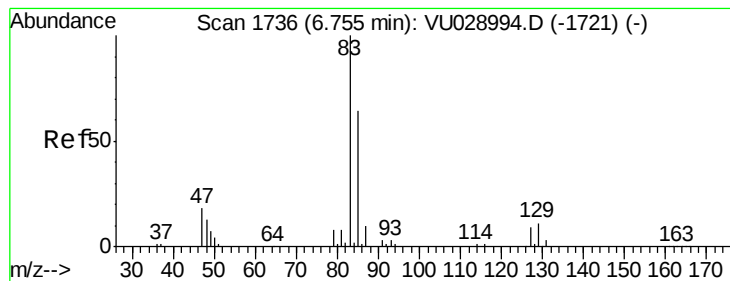


Abundance Ion 92.80 (92.50 to 93.50): VU028994.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028994.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028994.D (-1661) (-)





#47

Bromodichloromethane

Concen: 33.286 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

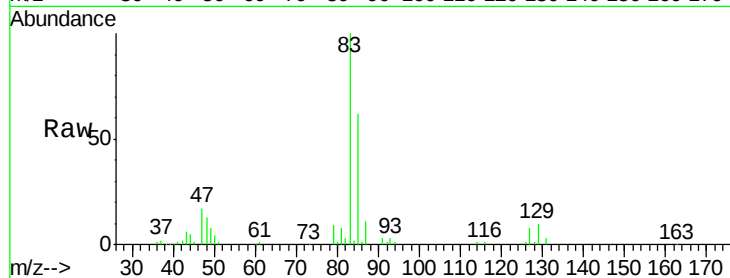
Tot Ion: 83 Resp: 56348

Ion Ratio Lower Upper

83 100

85 62.5 51.4 77.2

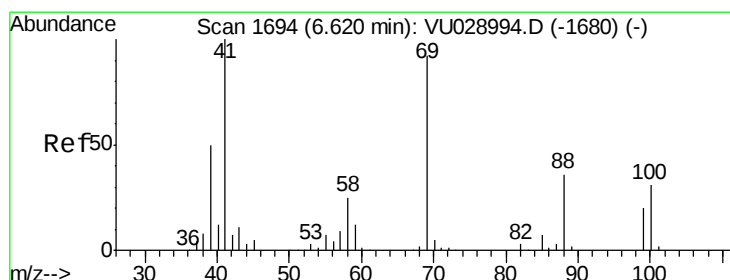
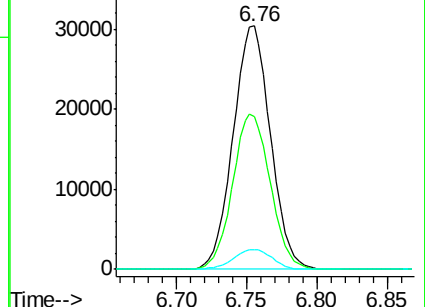
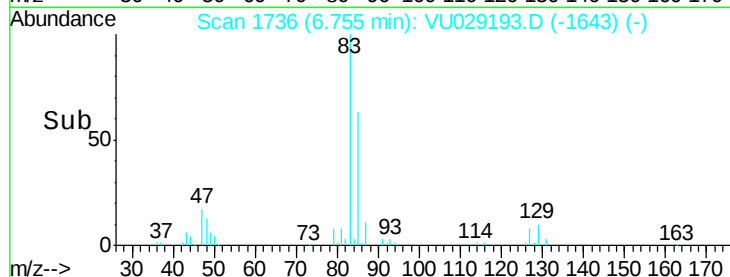
127 8.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU029193.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU029193.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU029193.D (-1643) (-)



#48

Methyl methacrylate

Concen: 35.789 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

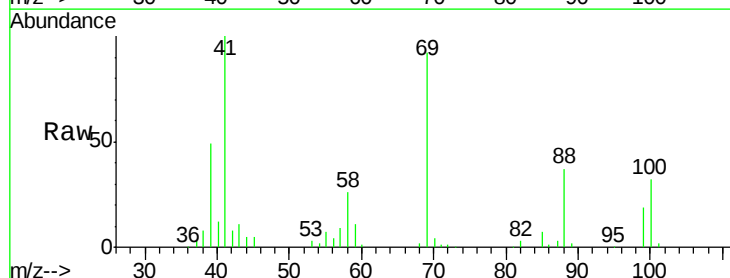
Tgt Ion: 41 Resp: 51234

Ion Ratio Lower Upper

41 100

69 91.2 73.6 110.4

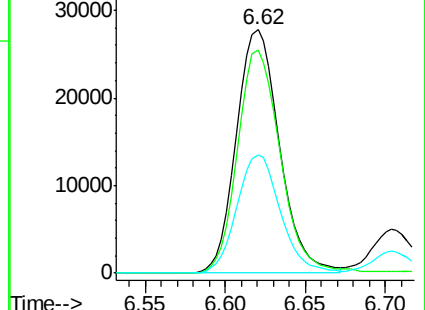
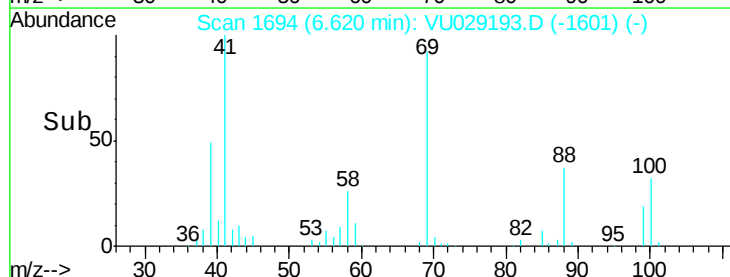
39 49.0 39.6 59.4

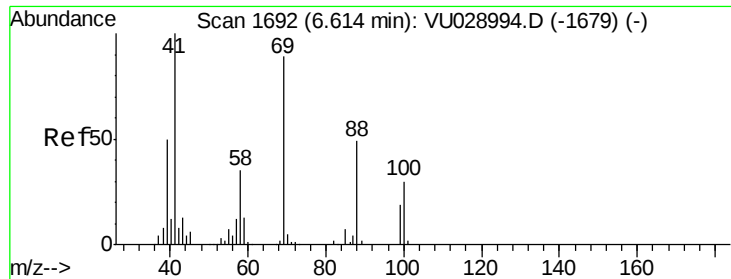


Abundance Ion 41.00 (40.70 to 41.70): VU029193.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU029193.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU029193.D (-1601) (-)

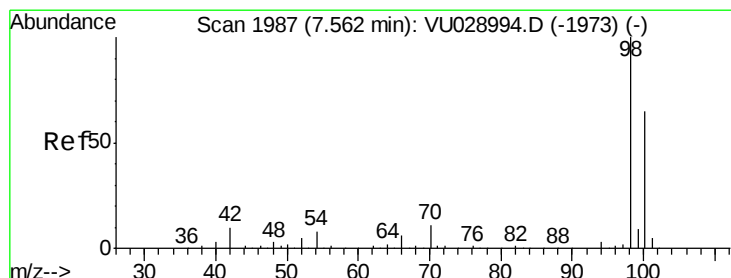
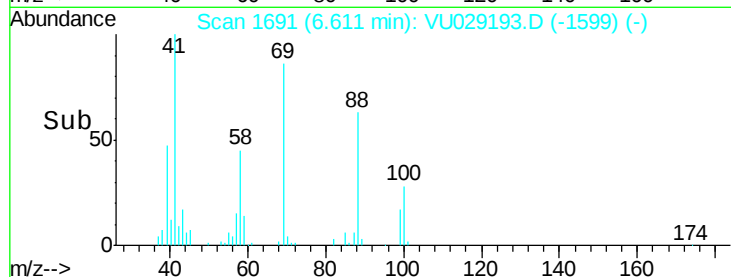
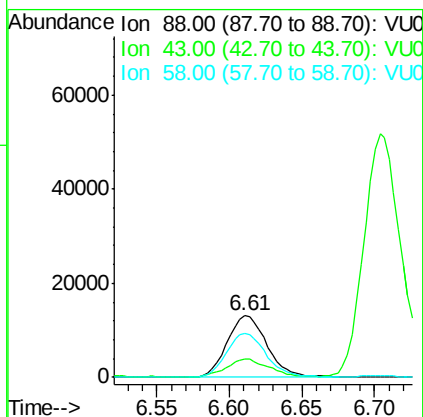
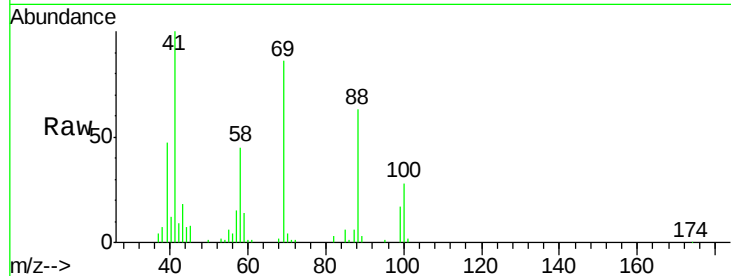




#49
1,4-Dioxane
Concen: 742.439 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

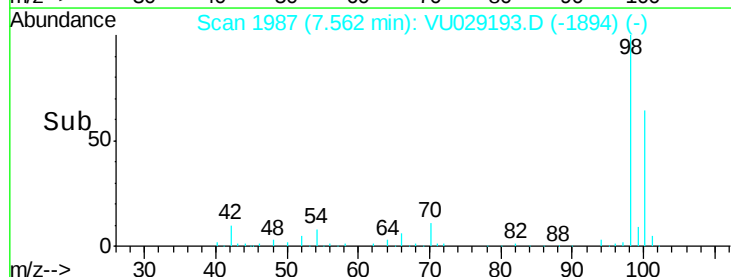
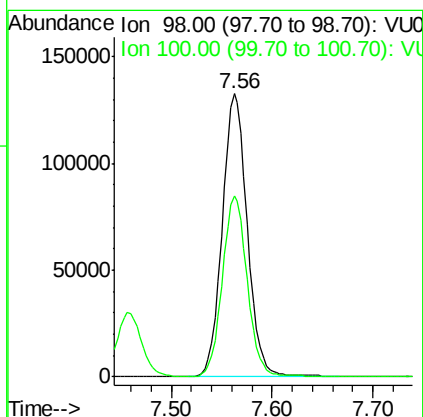
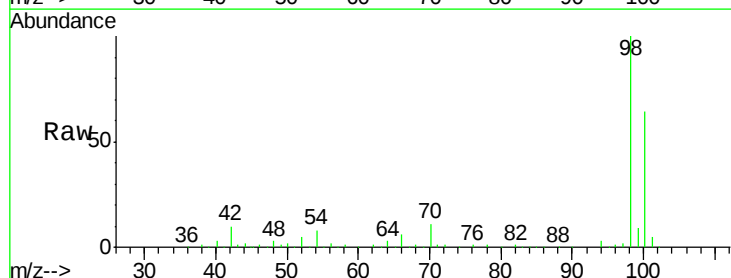
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 25188
Ion Ratio Lower Upper
88 100
43 30.0 23.0 34.4
58 71.4 57.9 86.9



#50
Toluene-d8
Concen: 51.476 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 98 Resp: 230121
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 178.251 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

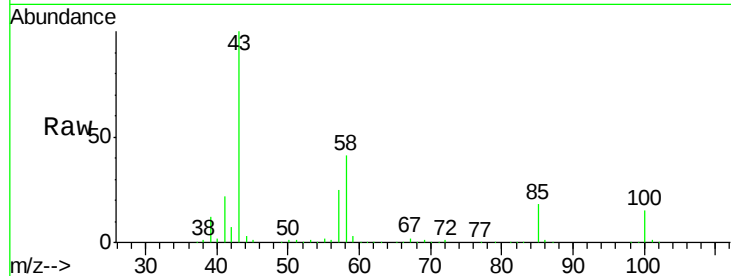
VSTDCCC050EC

Tot Ion: 43 Resp: 356654

Ion Ratio Lower Upper

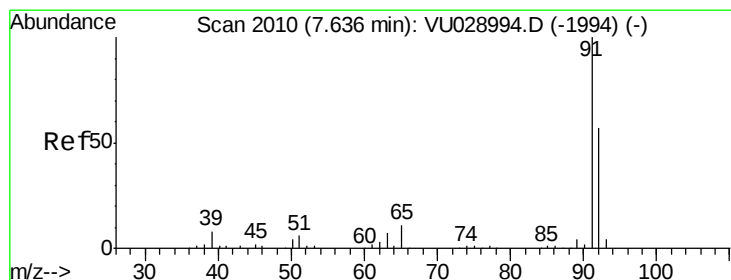
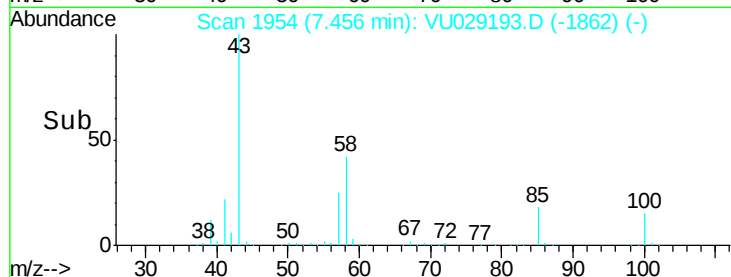
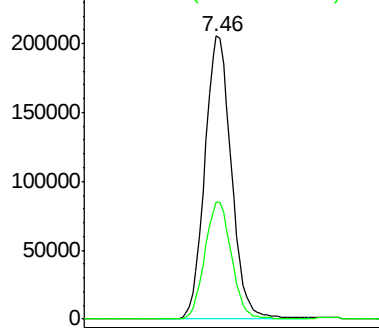
43 100

58 41.8 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 31.219 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029193.D

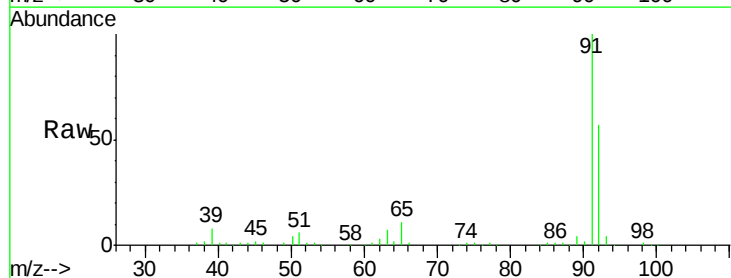
Acq: 15 Jan 2019 18:21

Tgt Ion: 92 Resp: 103511

Ion Ratio Lower Upper

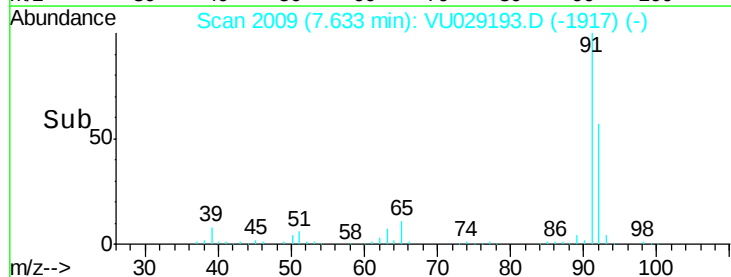
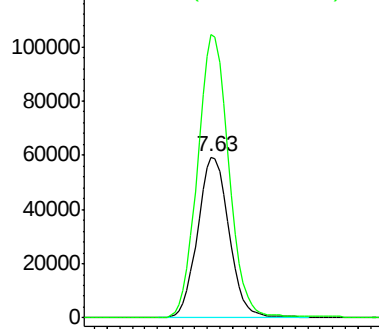
92 100

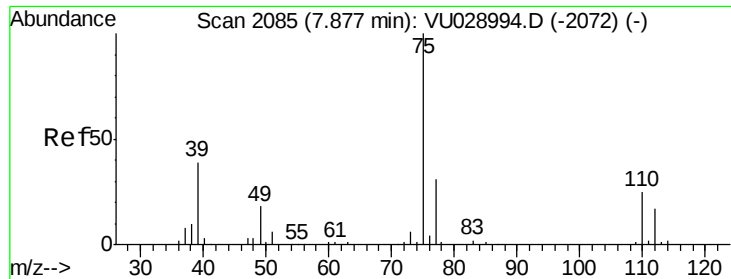
91 174.3 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

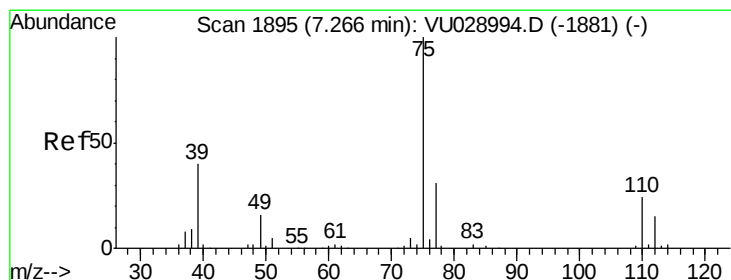
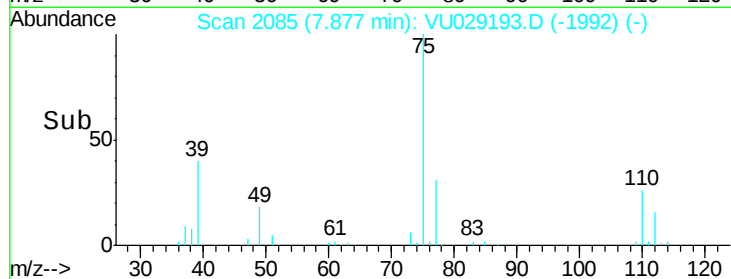
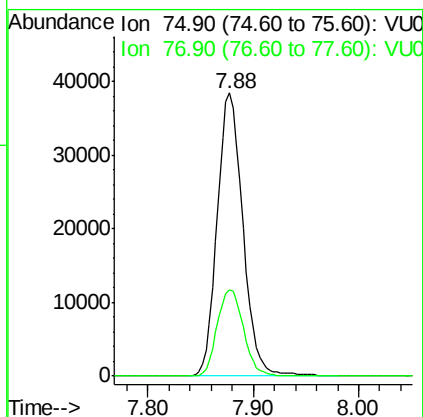
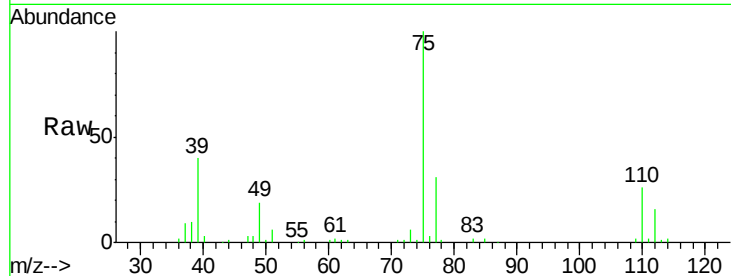




#53
 t-1,3-Dichloropropene
 Concen: 32.001 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

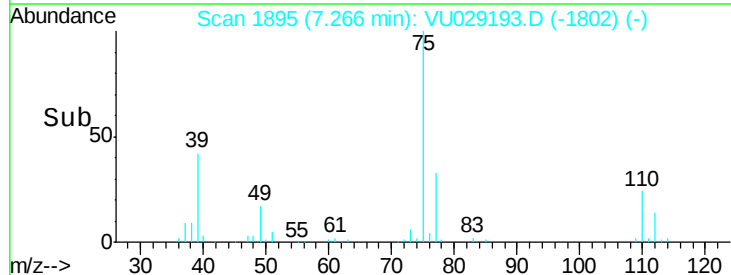
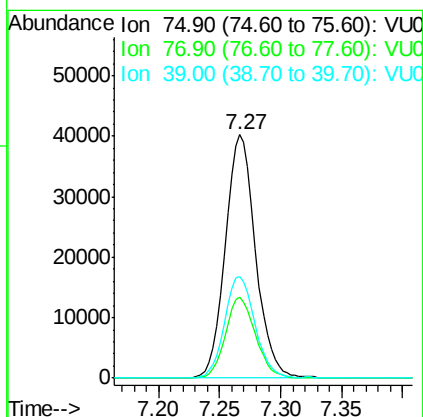
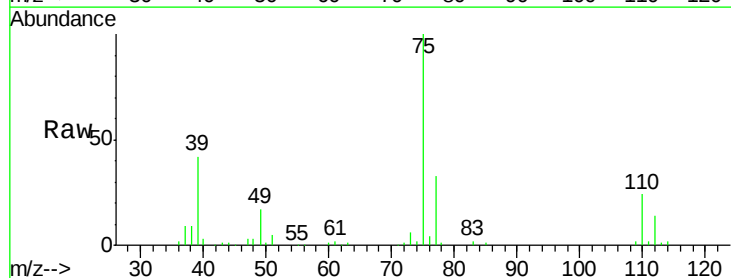
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

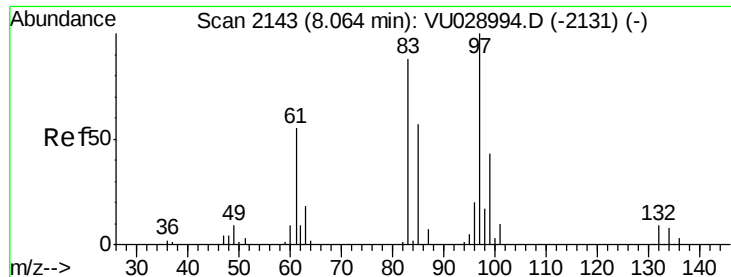
Tot Ion: 75 Resp: 65076
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 31.836 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 75 Resp: 69955
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.0 37.6
 39 41.8 32.2 48.4

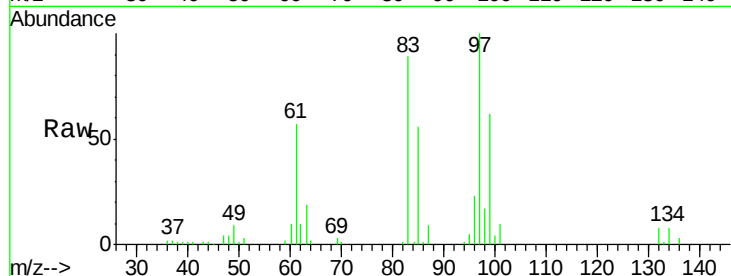




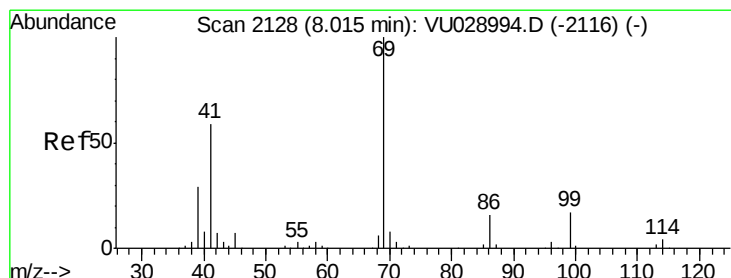
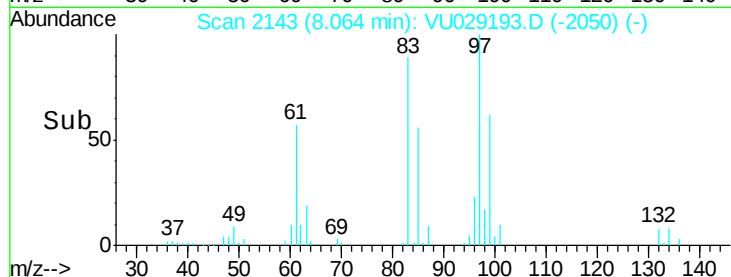
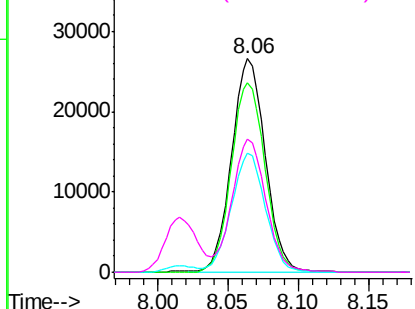
#55
 1,1,2-Trichloroethane
 Concen: 33.550 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 44564
 Ion Ratio Lower Upper
 97 100
 83 88.7 69.8 104.8
 85 56.0 47.3 70.9
 99 62.2 49.7 74.5

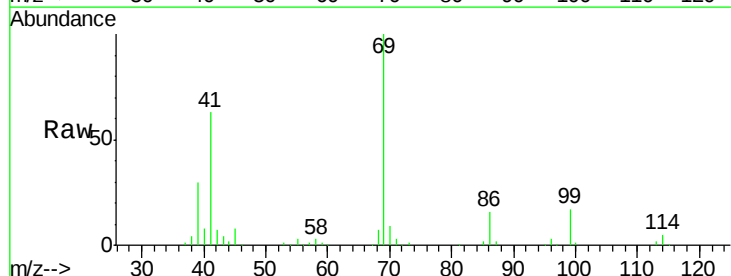


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

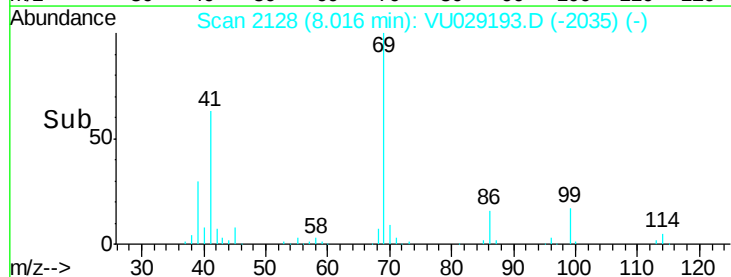
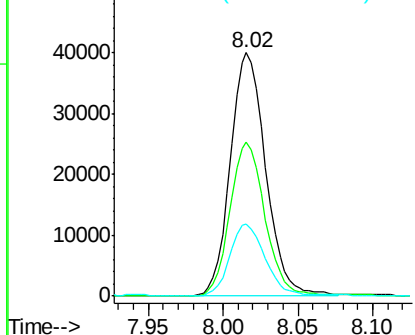


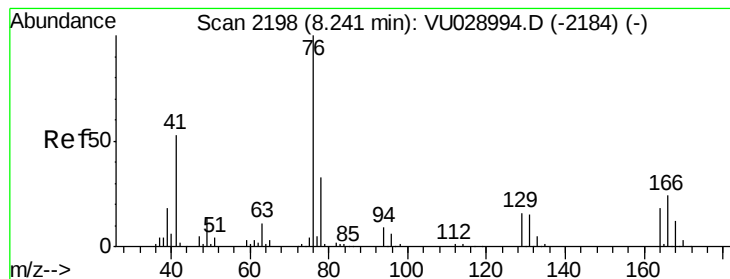
#56
 Ethyl methacrylate
 Concen: 32.334 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion: 69 Resp: 66167
 Ion Ratio Lower Upper
 69 100
 41 62.5 47.5 71.3
 39 29.9 22.5 33.7



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: 32.563 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

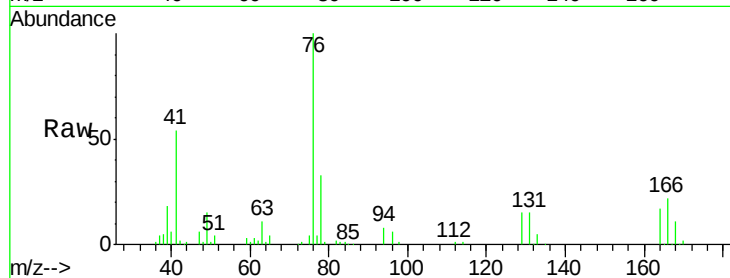
VSTDCCC050EC

Tot Ion: 76 Resp: 74010

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU029193.D (-2105) (-)

Ion 77.90 (77.60 to 78.60): VU029193.D (-2105) (-)

8.24

50000

40000

30000

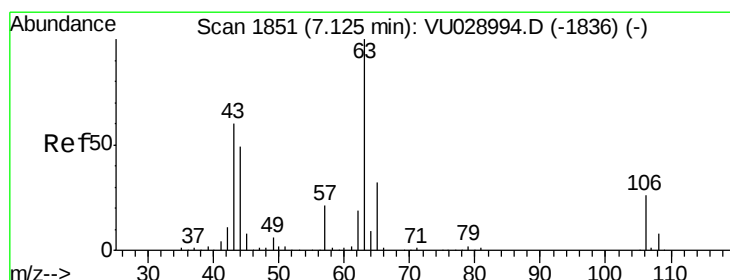
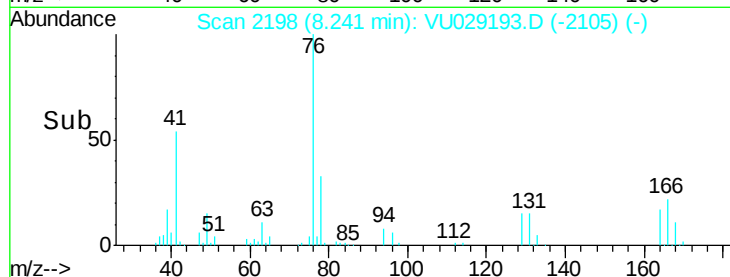
20000

10000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 276.875 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029193.D

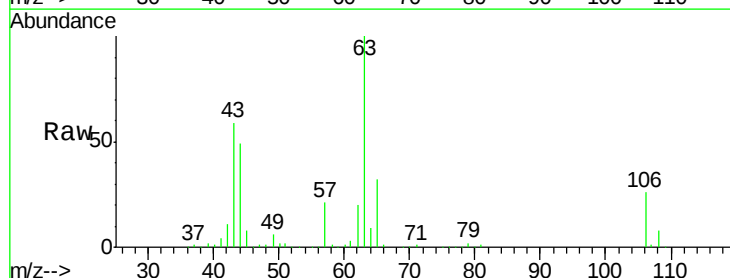
Acq: 15 Jan 2019 18:21

Tgt Ion: 63 Resp: 249176

Ion Ratio Lower Upper

63 100

106 25.3 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU029193.D (-1758) (-)

Ion 105.90 (105.60 to 106.60): VU029193.D (-1758) (-)

7.13

150000

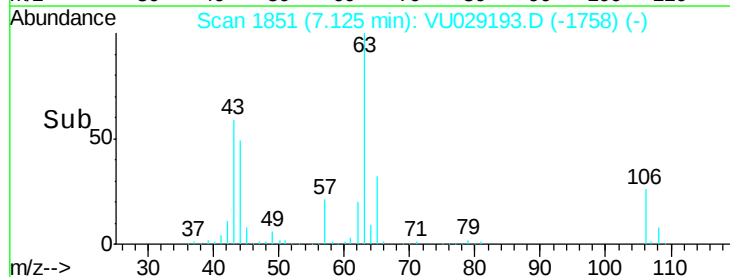
100000

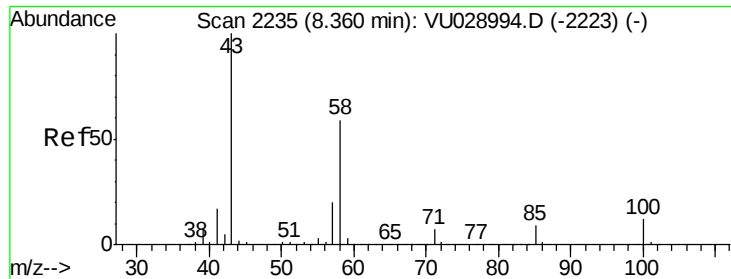
50000

0

7.05 7.10 7.15 7.20

Time-->

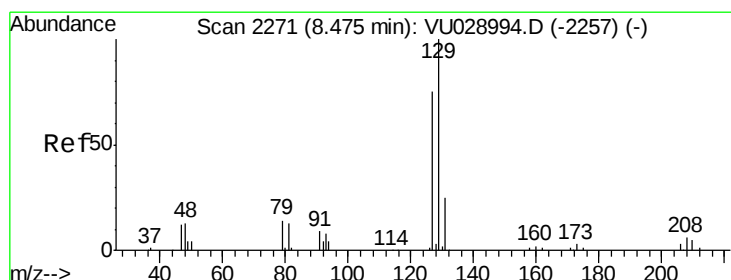
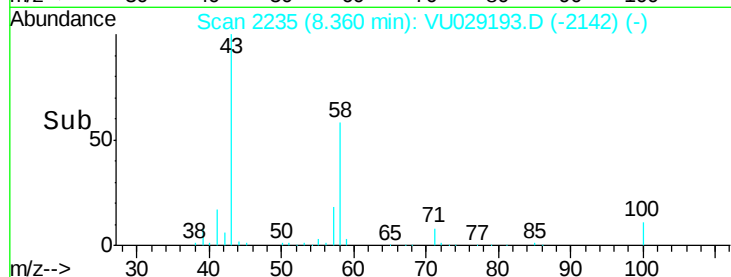
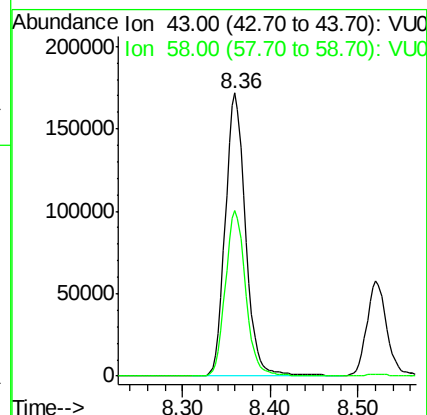
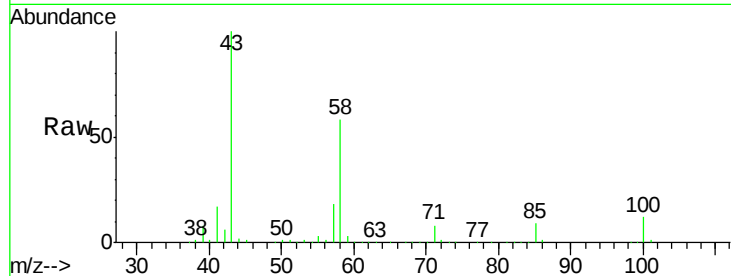




#59
2-Hexanone
Concen: 175.764 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

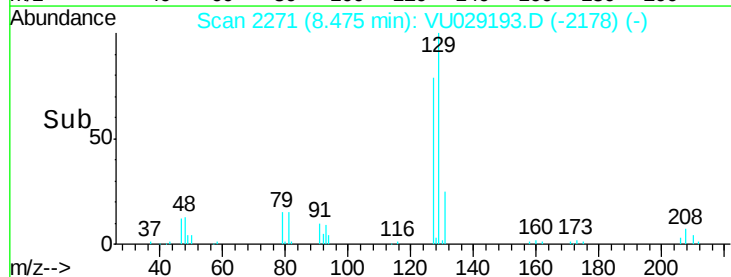
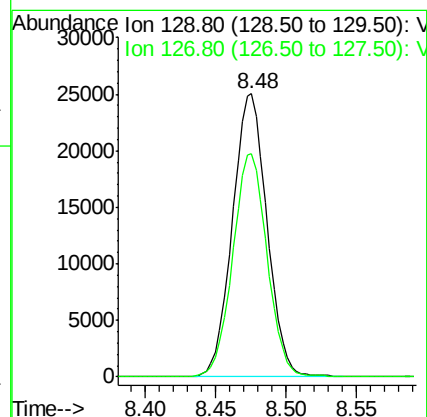
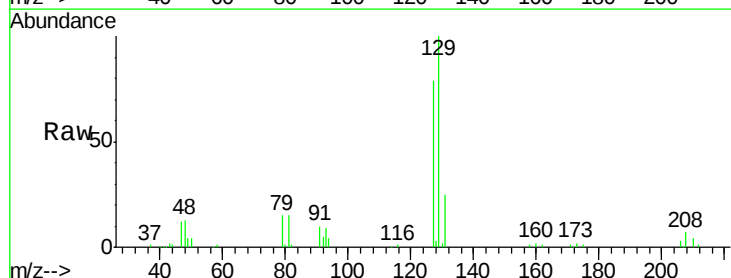
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

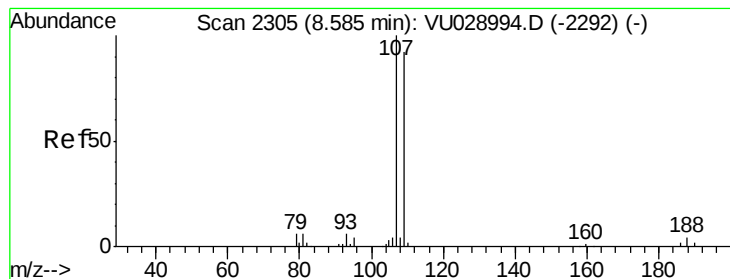
Tot Ion: 43 Resp: 276055
Ion Ratio Lower Upper
43 100
58 58.7 29.8 89.4



#60
Dibromochloromethane
Concen: 32.601 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 129 Resp: 42902
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 32.301 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

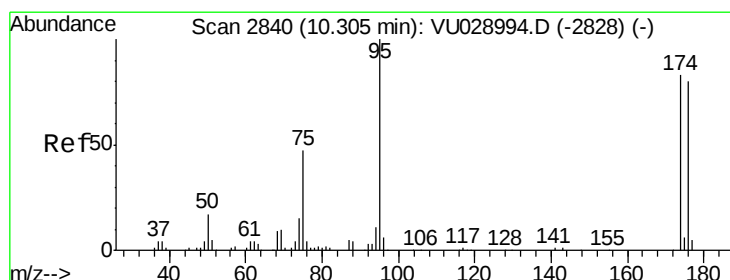
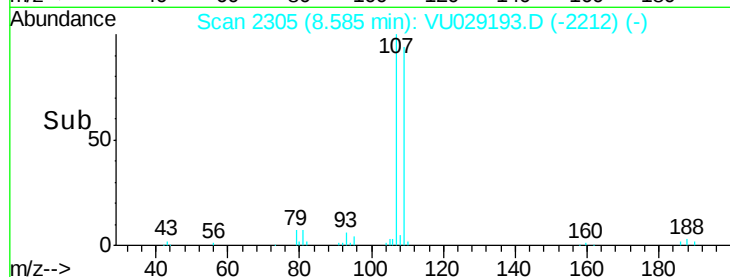
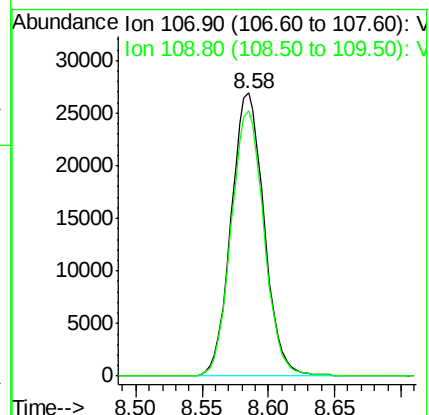
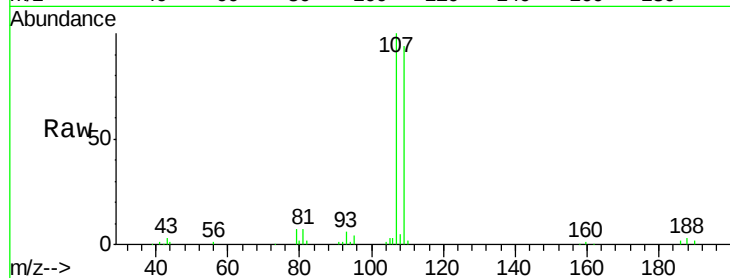
VSTDCCC050EC

Tot Ion:107 Resp: 46533

Ion Ratio Lower Upper

107 100

109 93.4 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 50.920 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

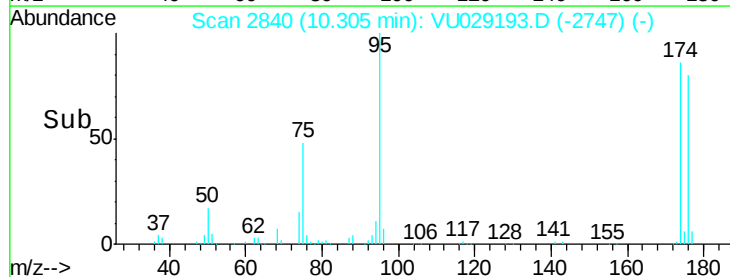
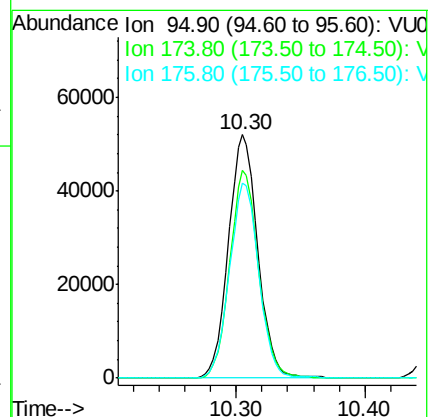
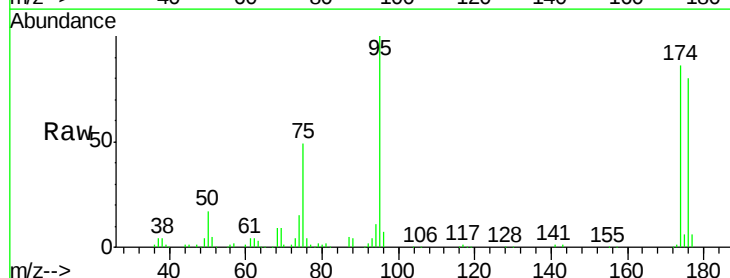
Tgt Ion: 95 Resp: 81807

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 79.9 0.0 165.0

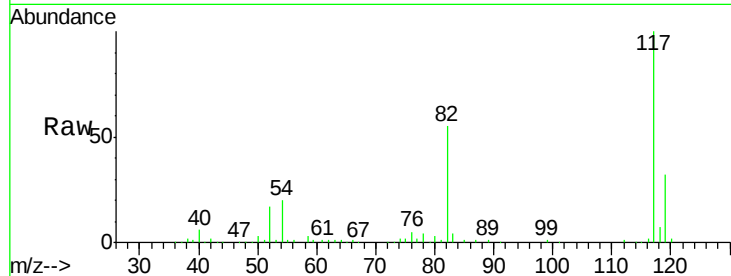




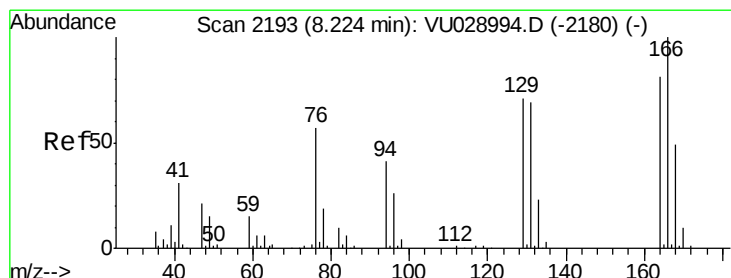
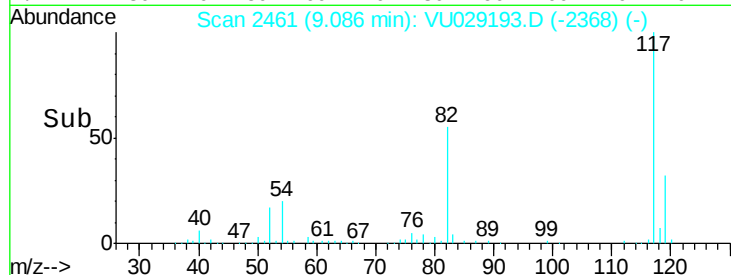
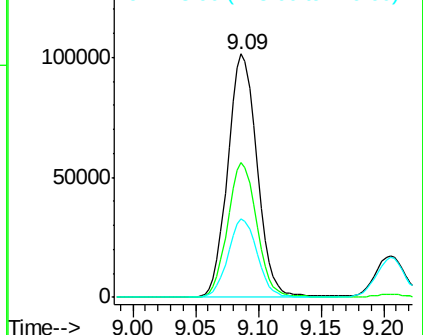
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 165078
Ion Ratio Lower Upper
117 100
82 55.4 43.9 65.9
119 32.2 26.0 39.0

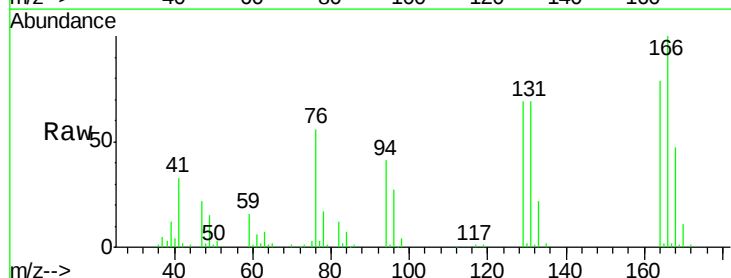


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

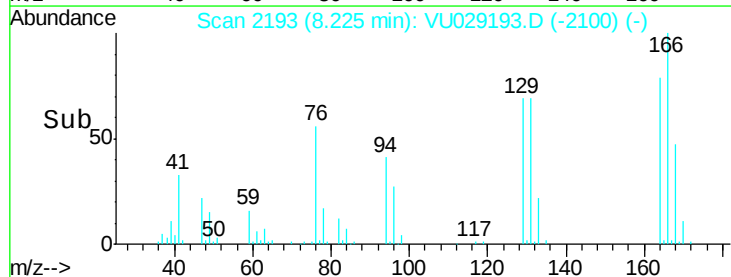
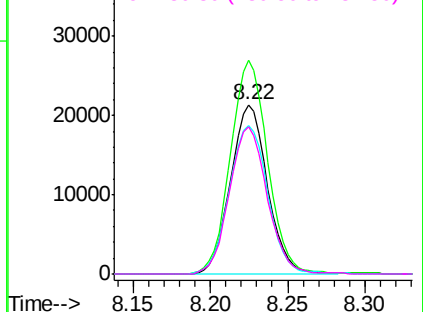


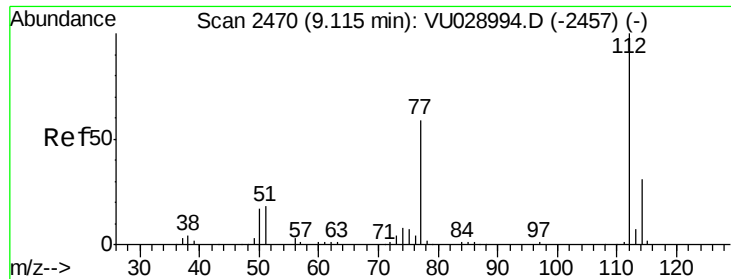
#64
Tetrachloroethene
Concen: 29.696 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion:164 Resp: 35313
Ion Ratio Lower Upper
164 100
166 126.3 99.4 149.0
129 87.7 70.5 105.7
131 87.0 69.0 103.6



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





#65

Chlorobenzene

Concen: 30.465 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

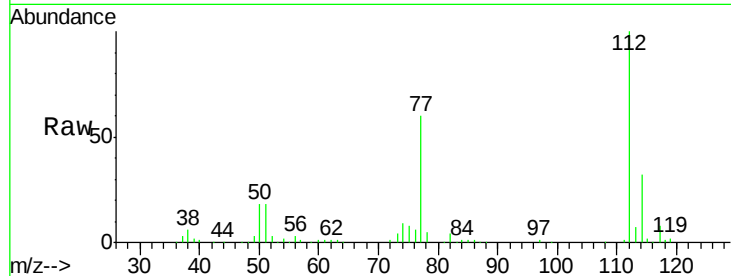
VSTDCCC050EC

Tot Ion:112 Resp: 112730

Ion Ratio Lower Upper

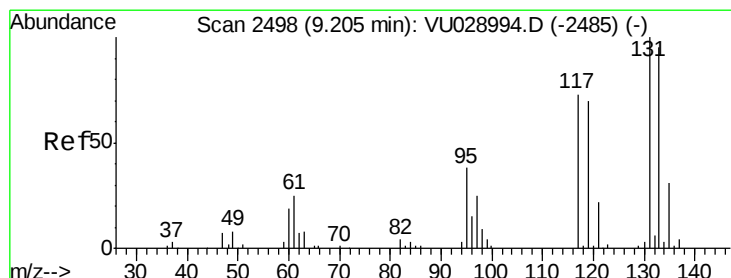
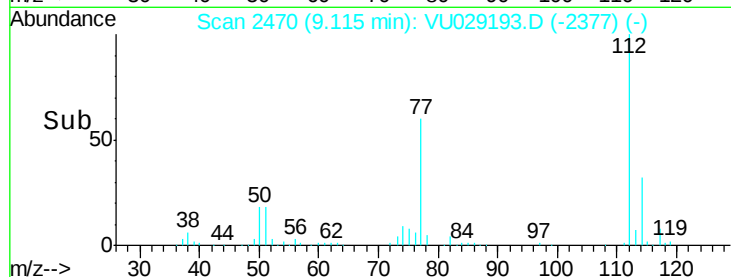
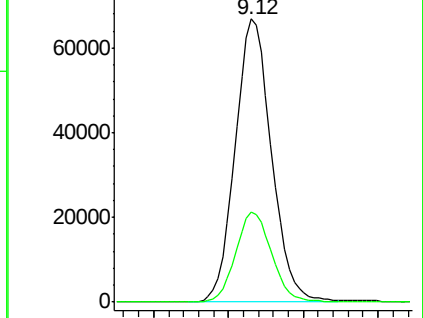
112 100

114 31.6 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 32.055 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

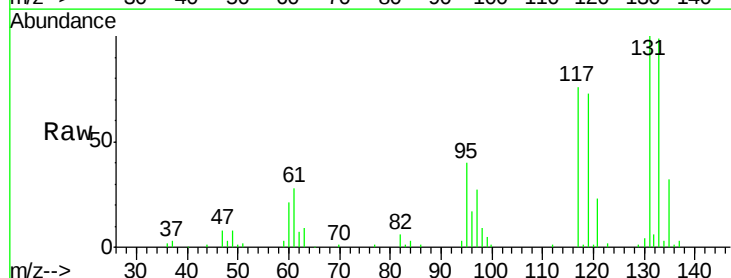
Tgt Ion:131 Resp: 38493

Ion Ratio Lower Upper

131 100

133 97.4 48.2 144.6

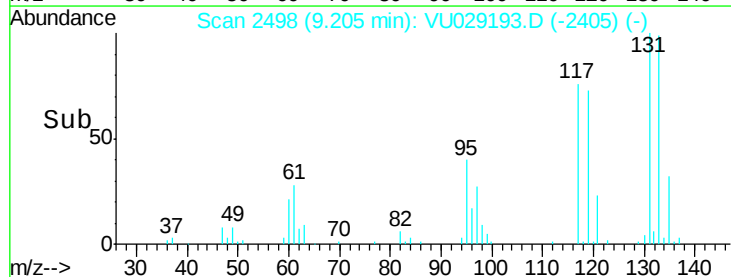
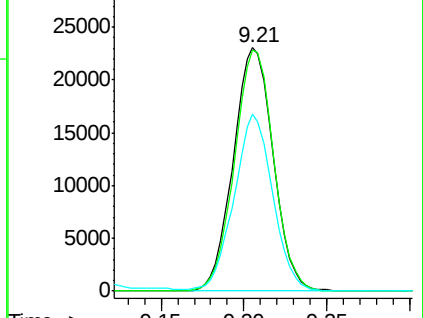
119 70.7 35.4 106.3

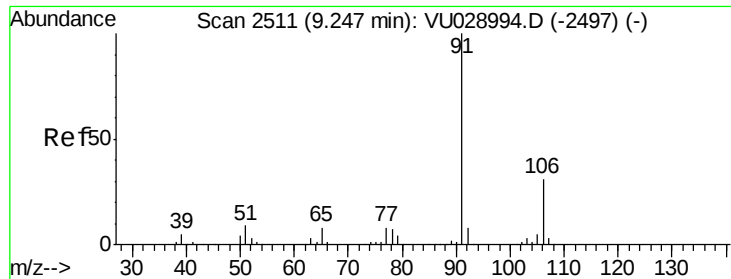


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

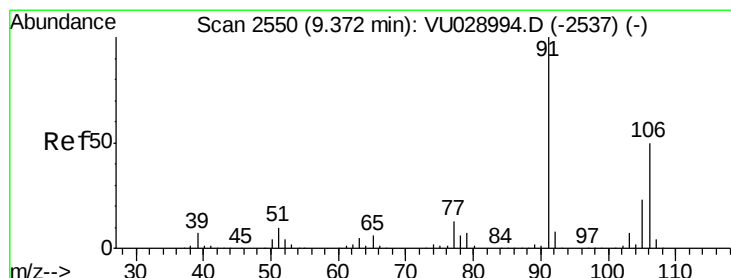
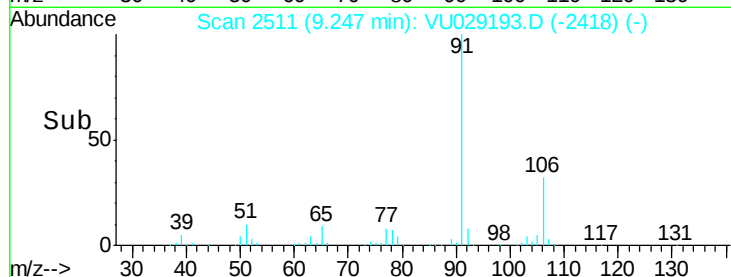
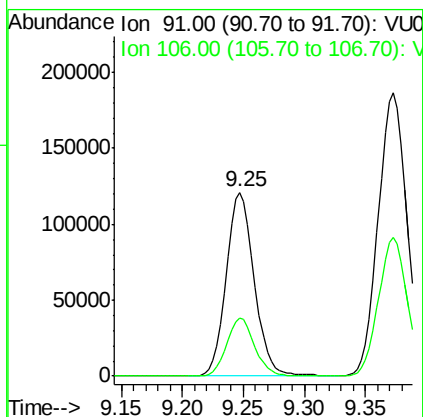
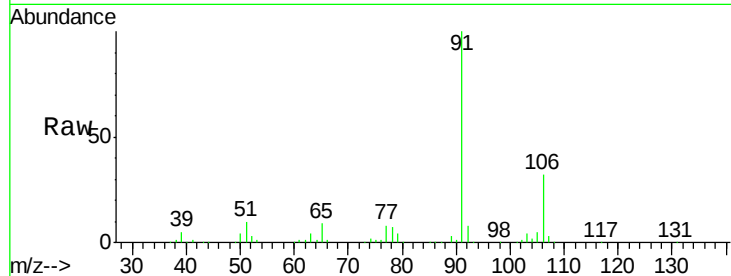




#67
Ethyl Benzene
Concen: 31.636 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

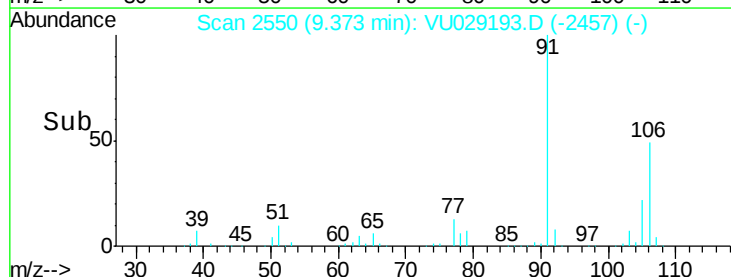
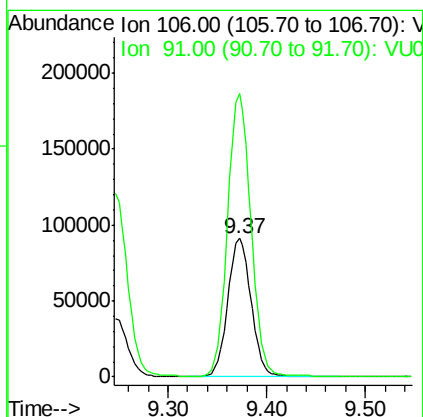
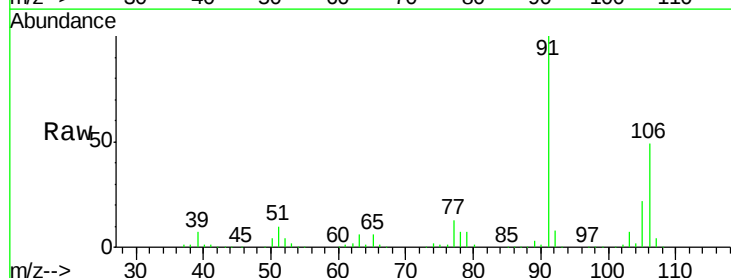
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 195439
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4



#68
m/p-Xylenes
Concen: 62.579 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion: 106 Resp: 150214
Ion Ratio Lower Upper
106 100
91 205.8 161.7 242.5

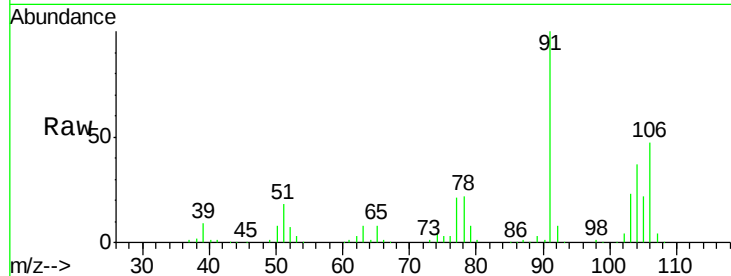




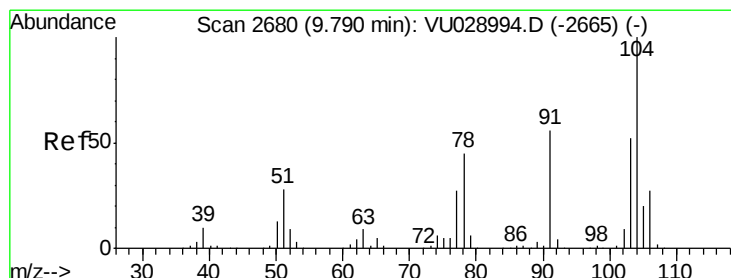
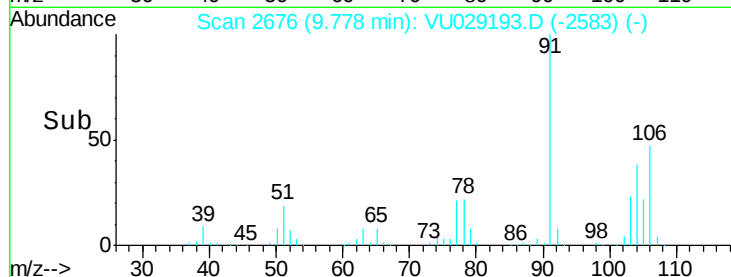
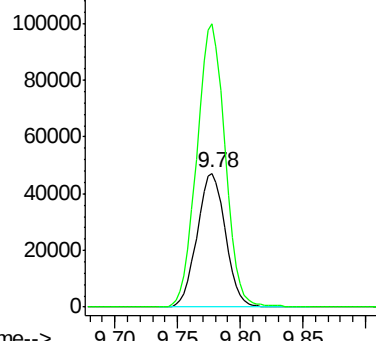
#69
o-Xylene
Concen: 32.034 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 74091
Ion Ratio Lower Upper
106 100
91 210.8 106.1 318.3

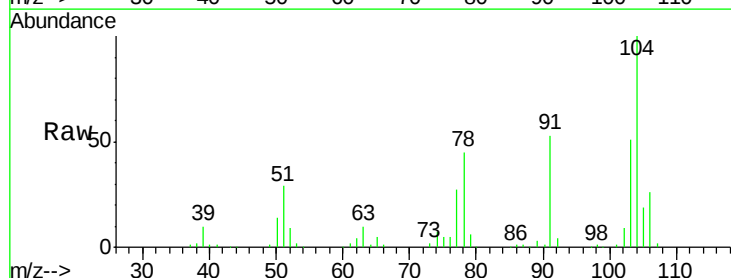


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

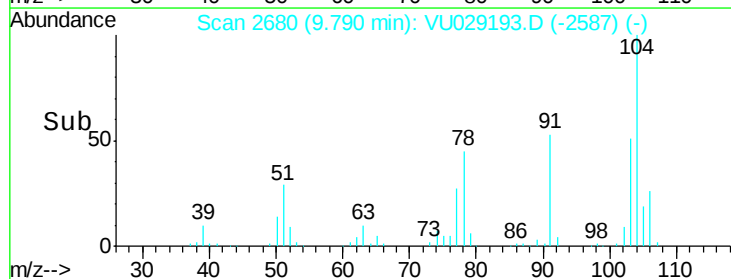
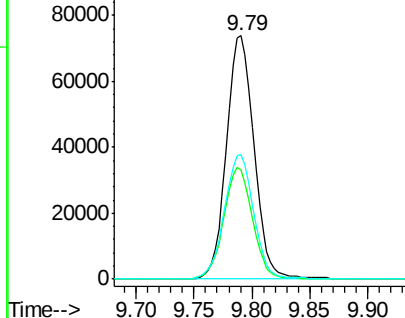


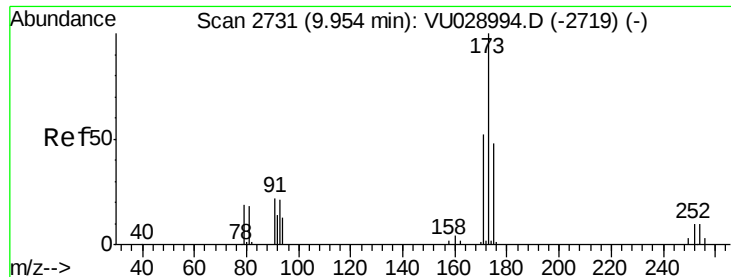
#70
Styrene
Concen: 31.999 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion:104 Resp: 121325
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 54.5 44.5 66.7



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: 32.315 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

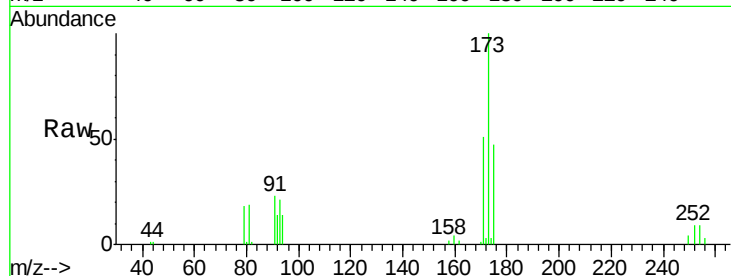
Tot Ion:173 Resp: 34552

Ion Ratio Lower Upper

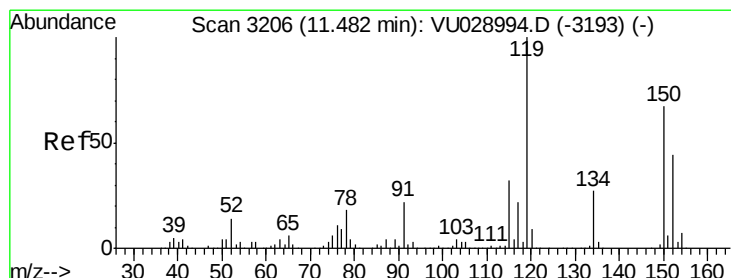
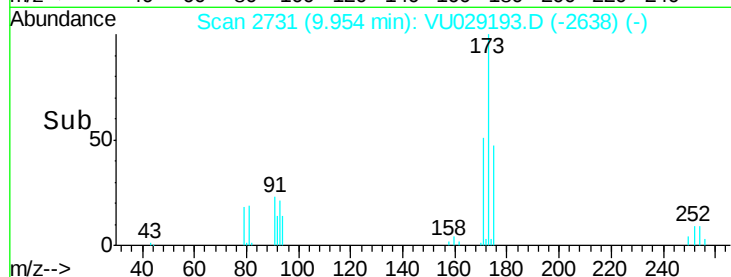
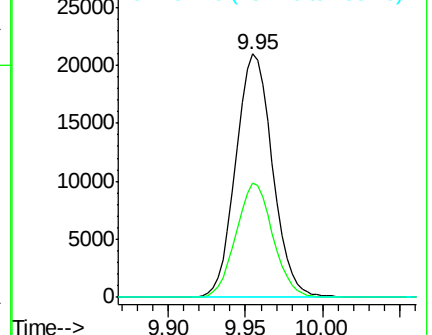
173 100

175 46.9 23.8 71.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

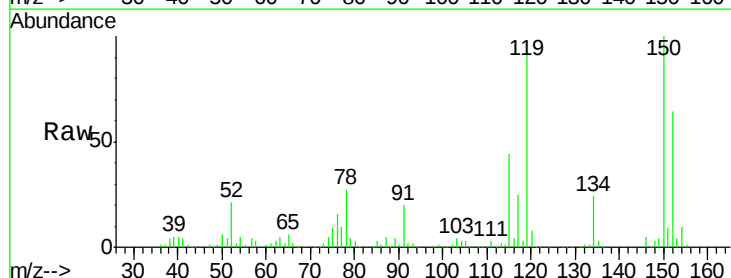
Tgt Ion:152 Resp: 82531

Ion Ratio Lower Upper

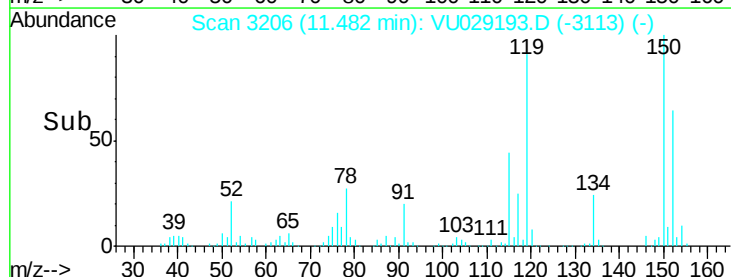
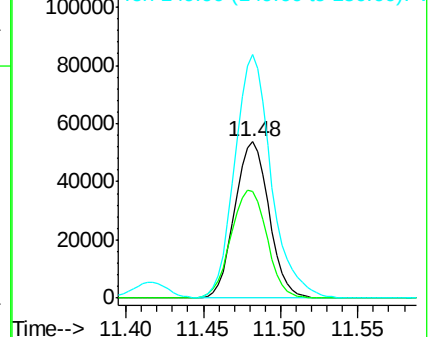
152 100

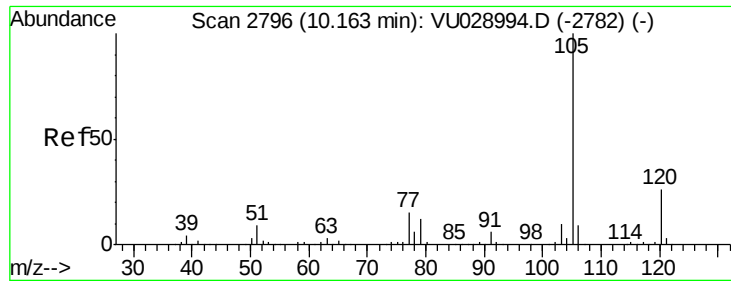
115 72.7 40.1 120.3

150 165.6 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 30.911 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

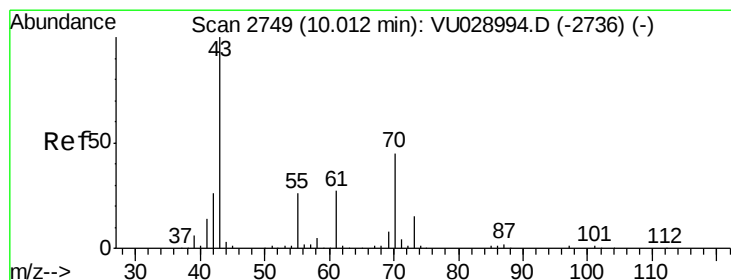
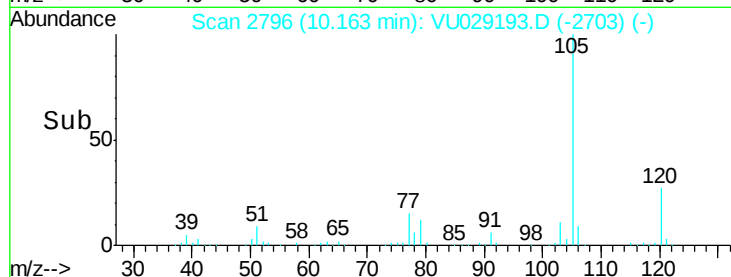
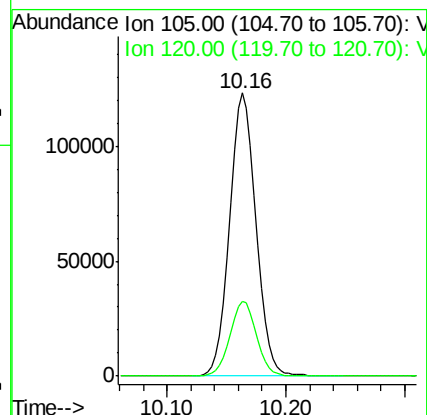
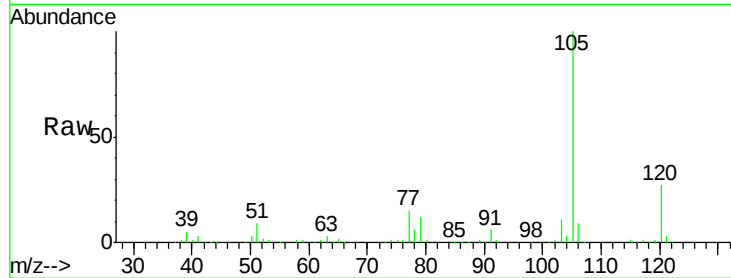
VSTDCCC050EC

Tot Ion:105 Resp: 188826

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.5



#74

N-ethyl acetate

Concen: 33.322 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Tgt Ion: 43 Resp: 87716

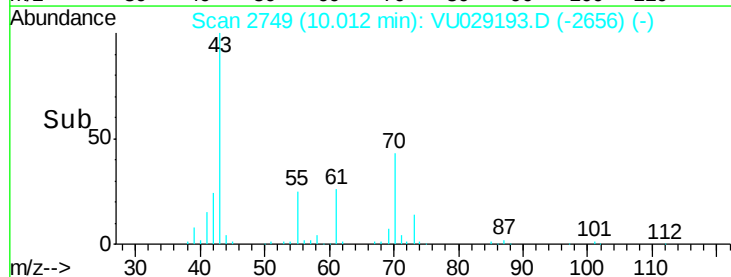
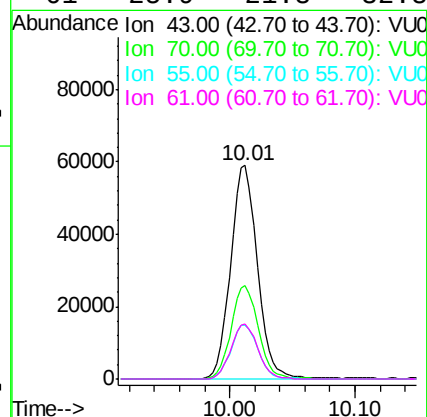
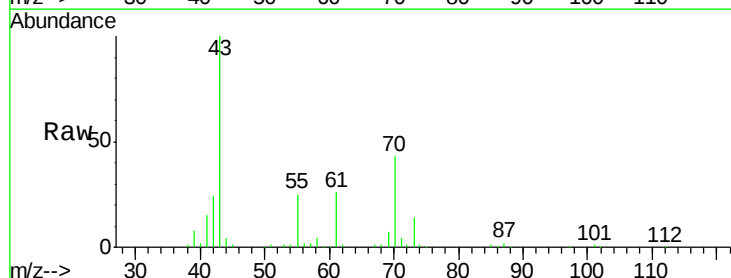
Ion Ratio Lower Upper

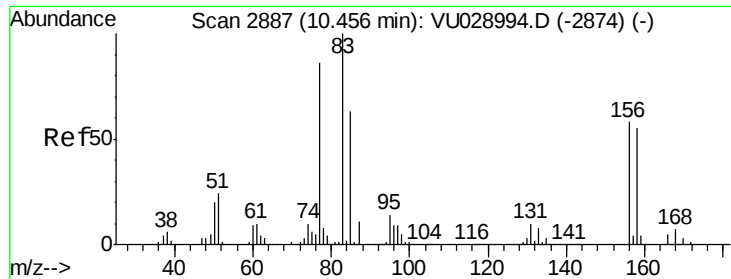
43 100

70 44.4 36.3 54.5

55 25.7 20.5 30.7

61 25.9 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 32.295 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

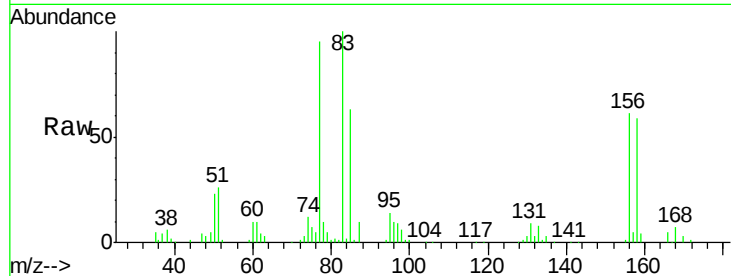
Tot Ion: 83 Resp: 79068

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.1

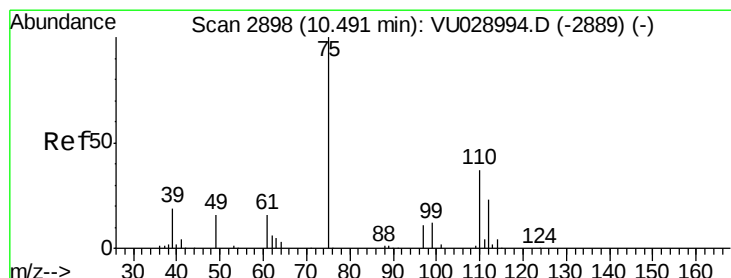
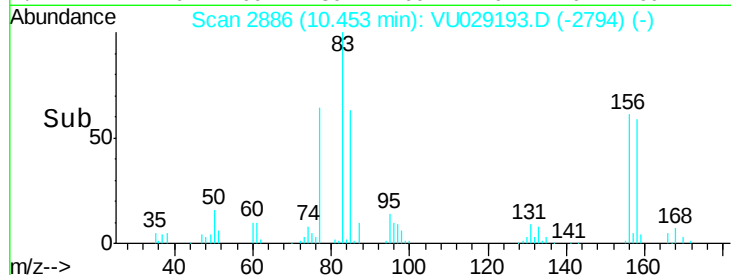
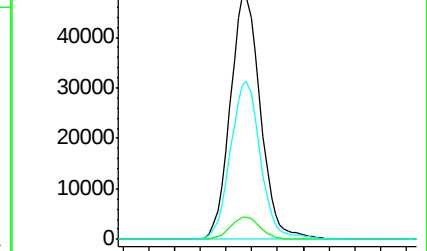
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU028994.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028994.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028994.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 43.684 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029193.D

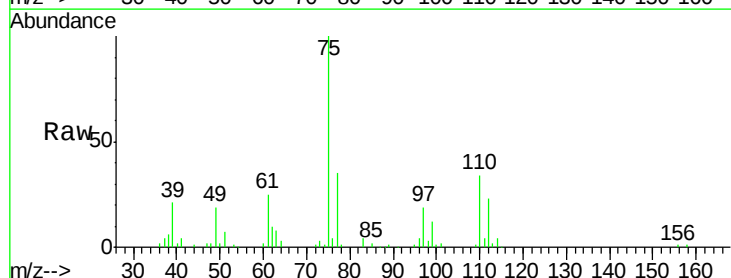
Acq: 15 Jan 2019 18:21

Tgt Ion: 75 Resp: 88335

Ion Ratio Lower Upper

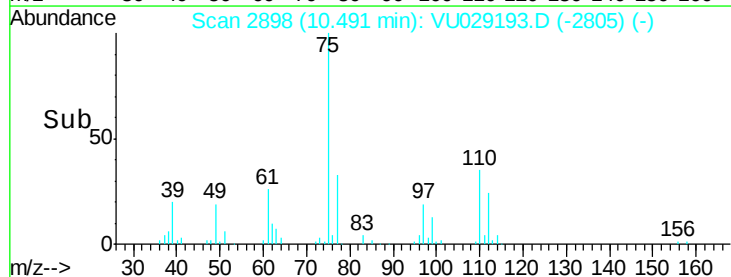
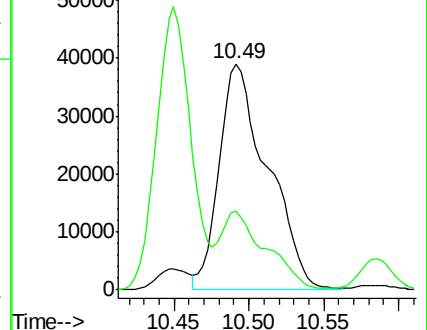
75 100

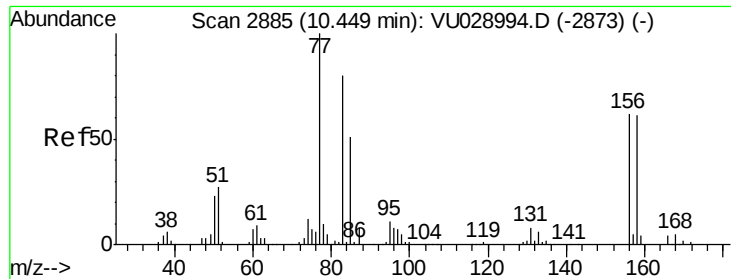
77 32.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028994.D (-2889) (-)





#77

Bromobenzene

Concen: 30.829 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

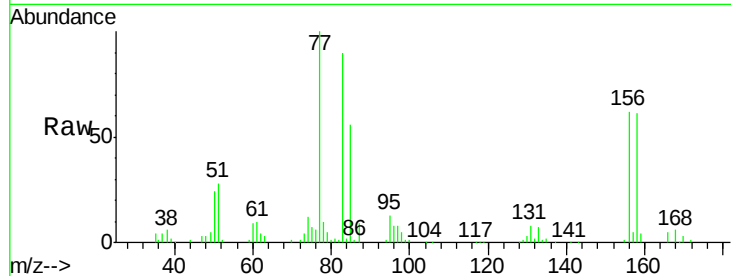
Tot Ion:156 Resp: 49078

Ion Ratio Lower Upper

156 100

77 159.4 79.0 237.2

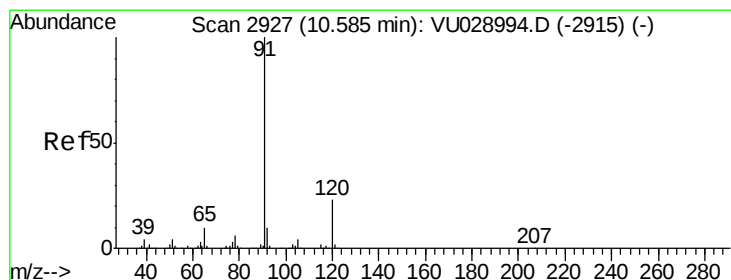
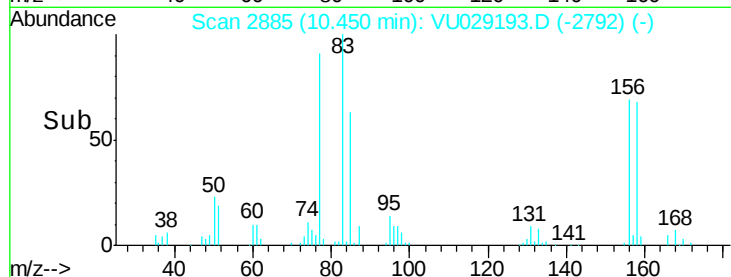
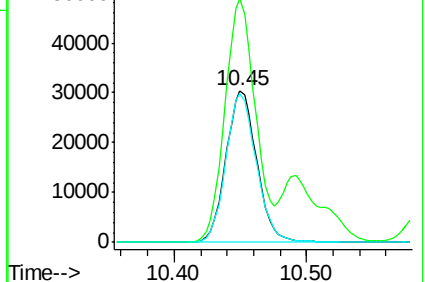
158 97.4 48.9 146.6



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: 31.653 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029193.D

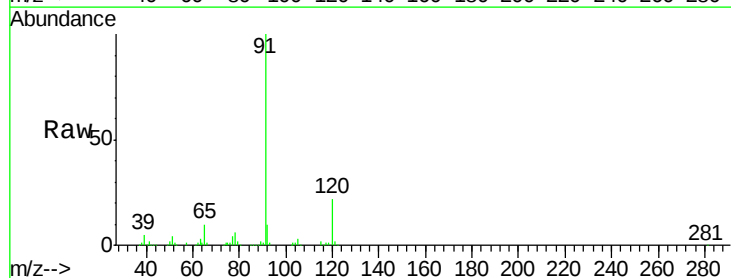
Acq: 15 Jan 2019 18:21

Tgt Ion: 91 Resp: 227871

Ion Ratio Lower Upper

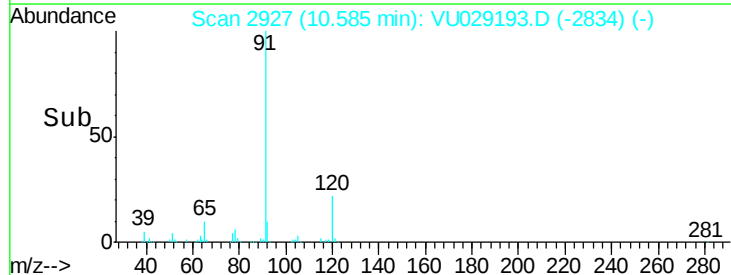
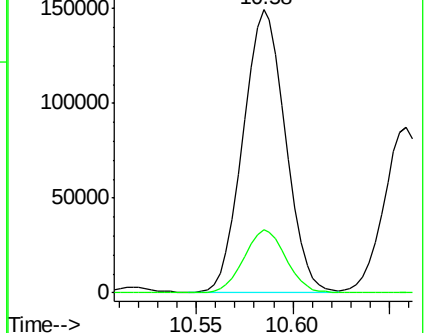
91 100

120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 31.169 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

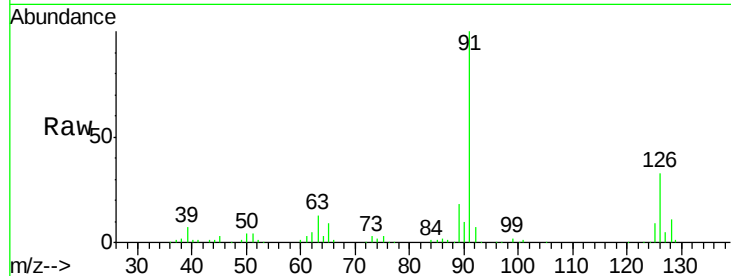
VSTDCCC050EC

Tot Ion: 91 Resp: 136118

Ion Ratio Lower Upper

91 100

126 33.2 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

150000

100000

50000

0

10.66

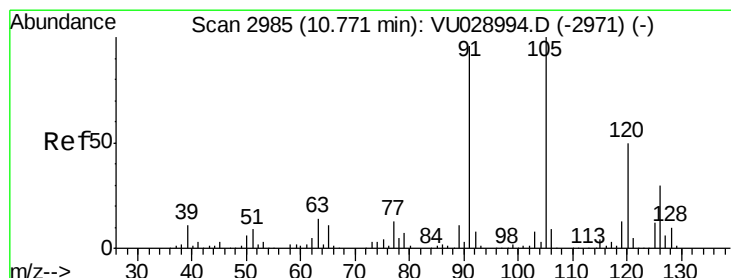
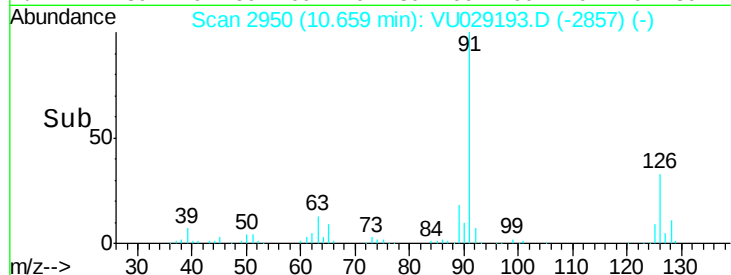
10.60

10.65

10.70

10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 31.801 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029193.D

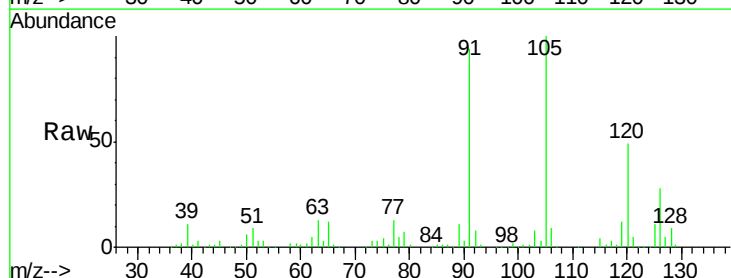
Acq: 15 Jan 2019 18:21

Tgt Ion: 105 Resp: 162226

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

120000

100000

80000

60000

40000

20000

0

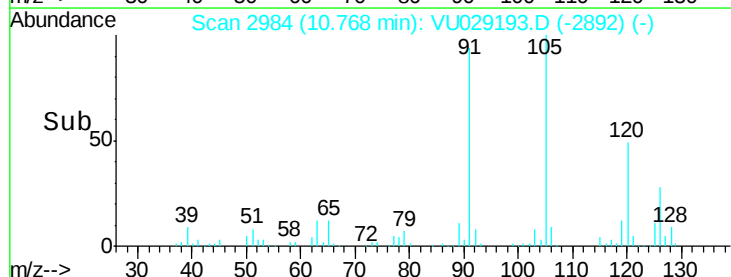
10.77

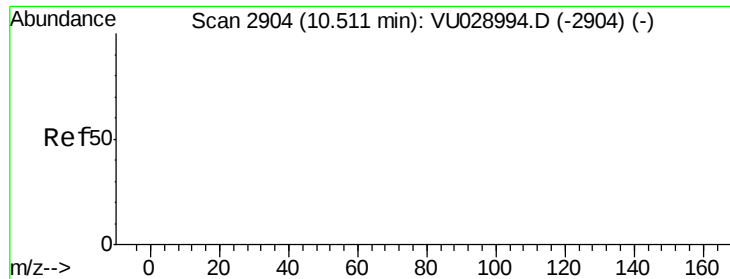
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 112.663 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

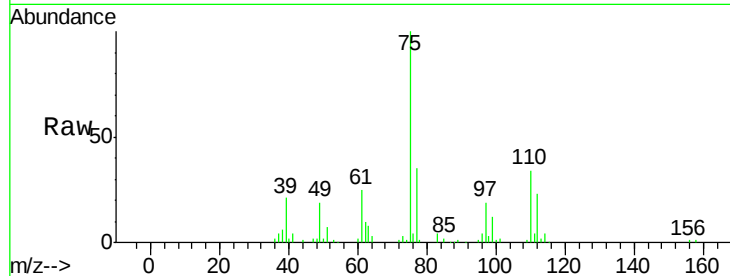
Tot Ion: 75 Resp: 88335

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

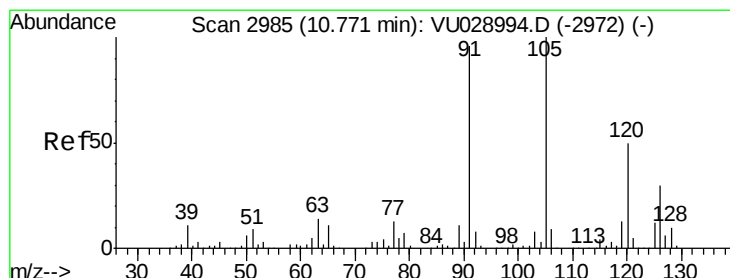
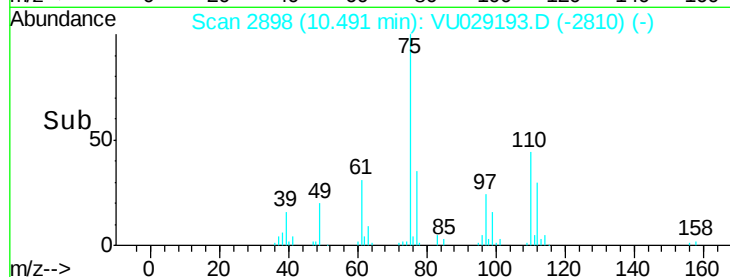
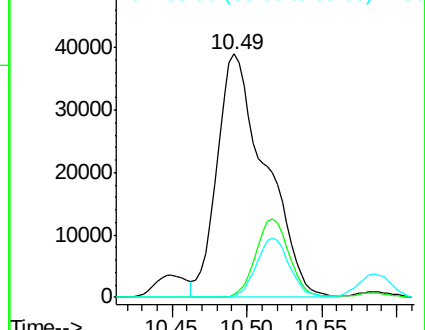
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU028994.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU028994.D (-2904) (-)



#82

4-Chlorotoluene

Concen: 30.439 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029193.D

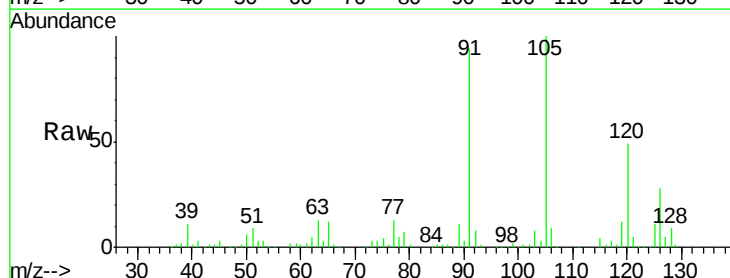
Acq: 15 Jan 2019 18:21

Tgt Ion: 91 Resp: 152424

Ion Ratio Lower Upper

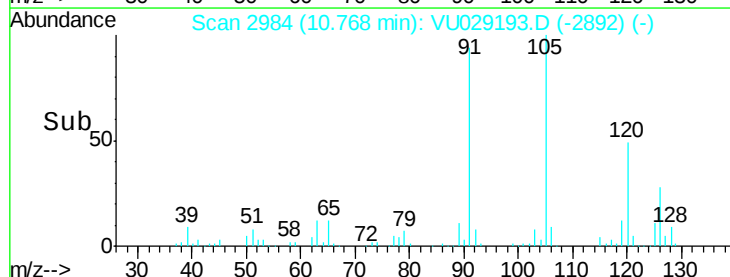
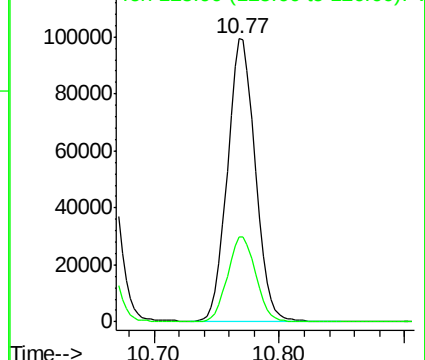
91 100

126 30.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2972) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2972) (-)

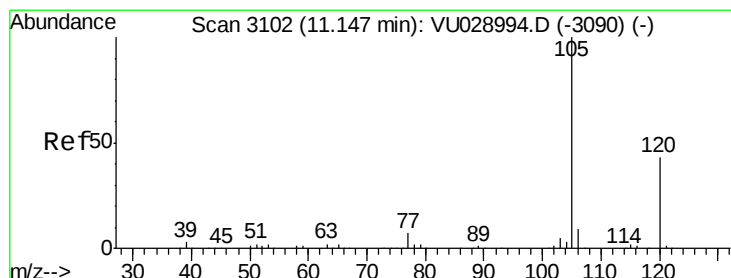
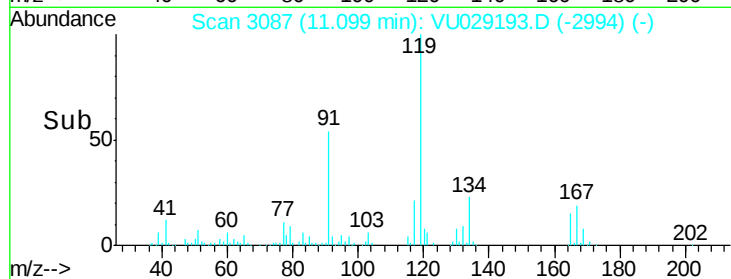
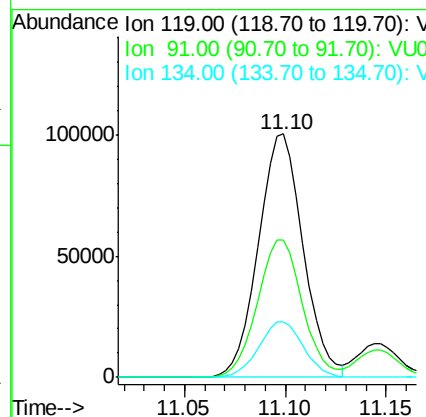
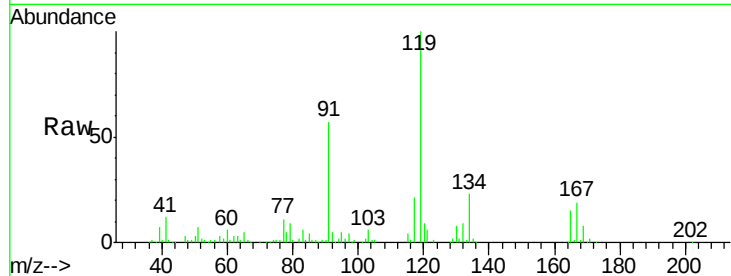




#83
tert-Butylbenzene
Concen: 30.968 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

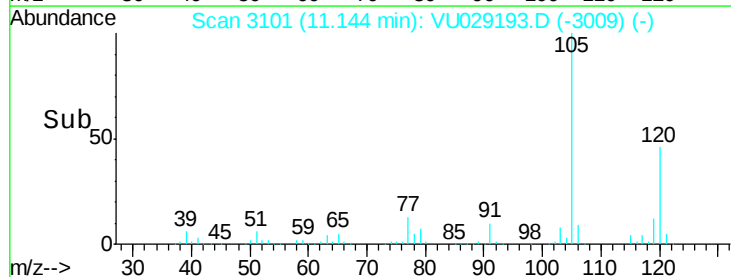
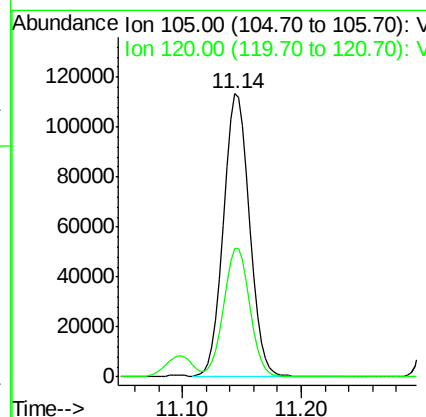
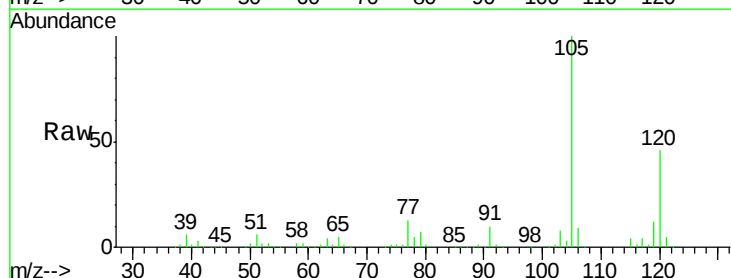
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

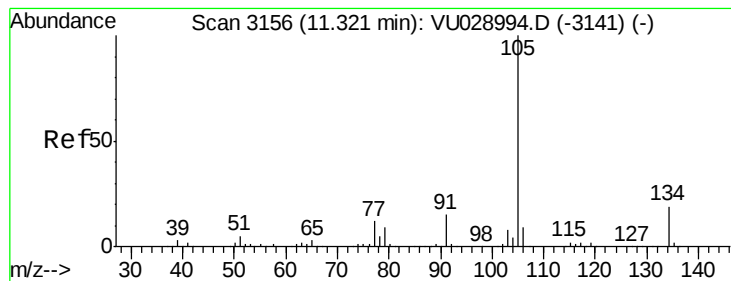
Tot Ion:119 Resp: 155707
Ion Ratio Lower Upper
119 100
91 56.5 28.2 84.6
134 22.9 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 33.884 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029193.D
Acq: 15 Jan 2019 18:21

Tgt Ion:105 Resp: 172576
Ion Ratio Lower Upper
105 100
120 45.5 23.1 69.3





#85

sec-Butylbenzene

Concen: 31.798 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

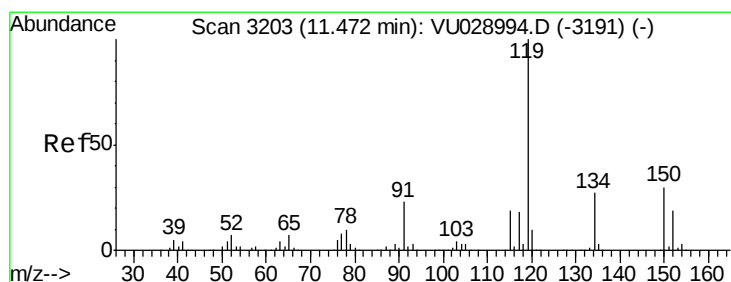
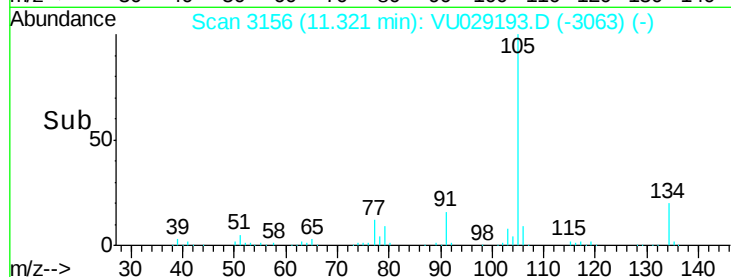
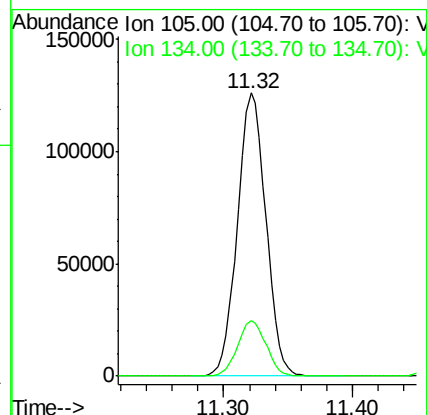
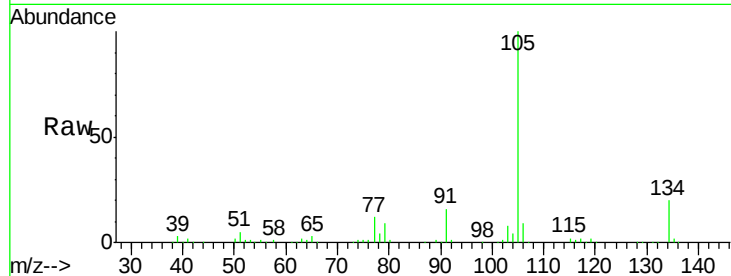
VSTDCCC050EC

Tot Ion:105 Resp: 193358

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 31.975 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

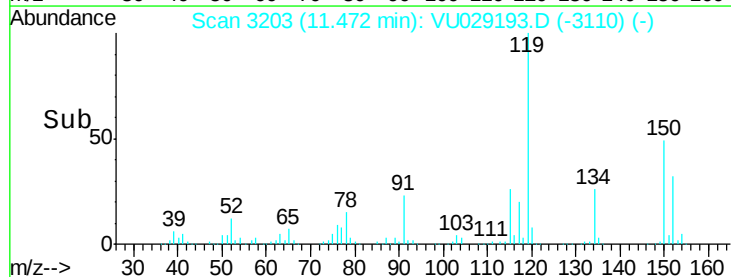
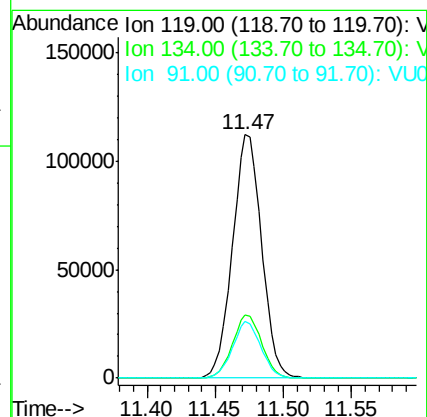
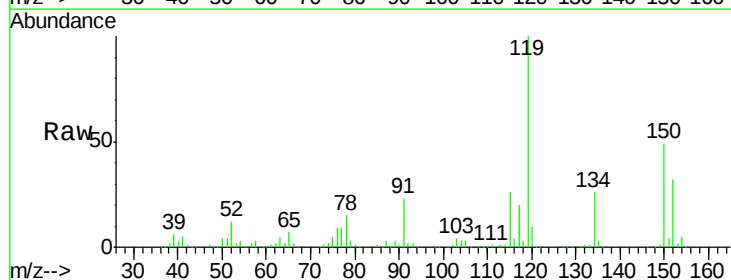
Tgt Ion:119 Resp: 165681

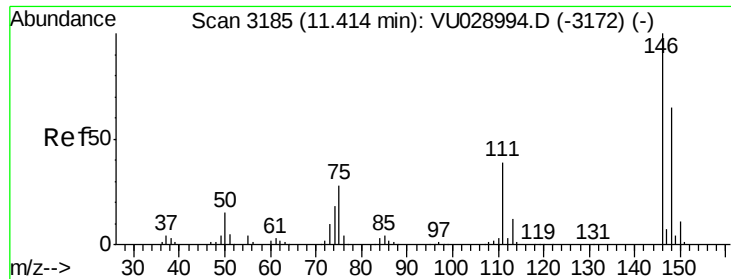
Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

91 22.8 11.3 33.8

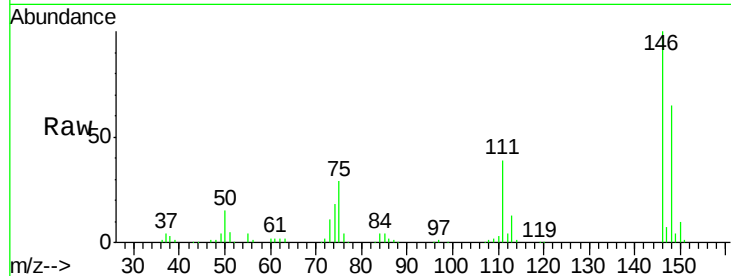




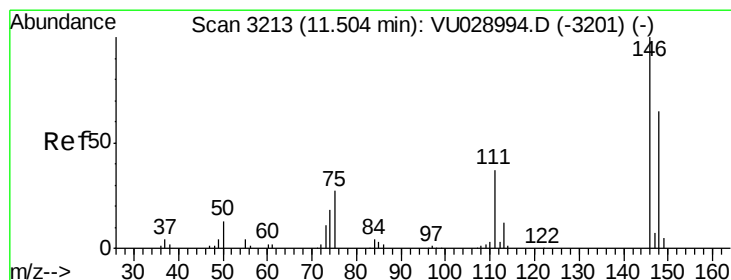
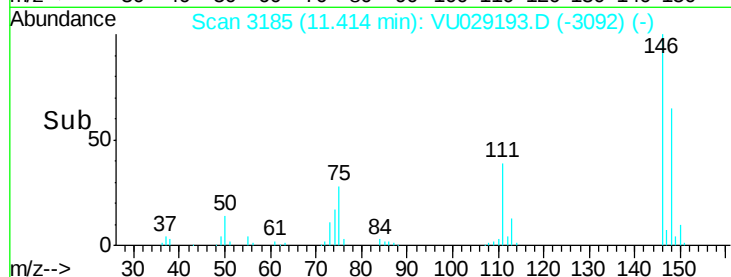
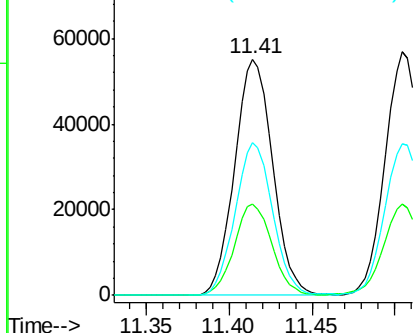
#87
 1,3-Dichlorobenzene
 Concen: 30.175 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 88110
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.3 57.8
 148 63.8 32.5 97.5

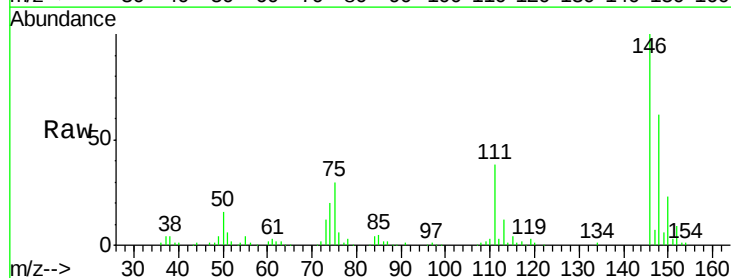


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

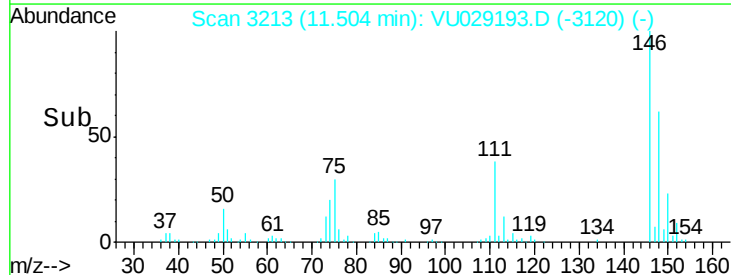
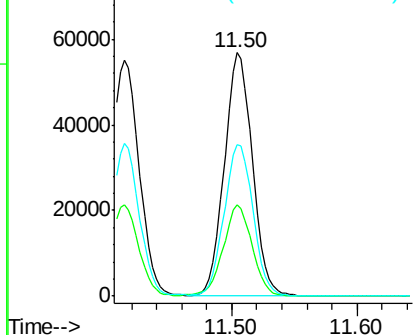


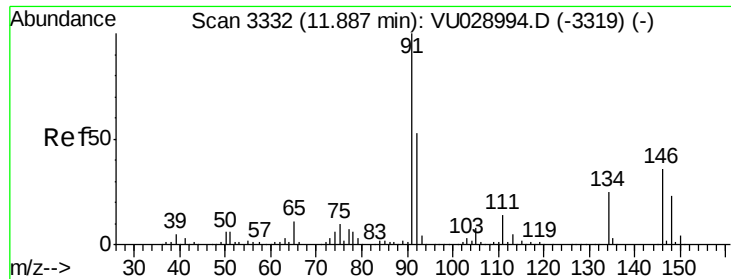
#88
 1,4-Dichlorobenzene
 Concen: 29.322 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion:146 Resp: 88378
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.1 57.3
 148 64.2 32.6 98.0



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





#89

n-Butylbenzene

Concen: 32.744 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

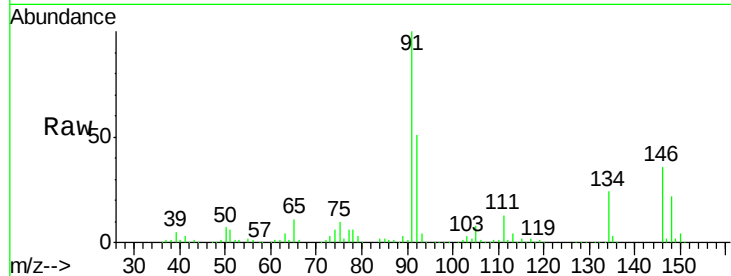
Tot Ion: 91 Resp: 151432

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.5

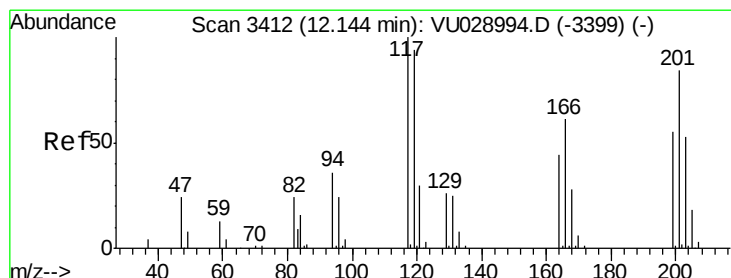
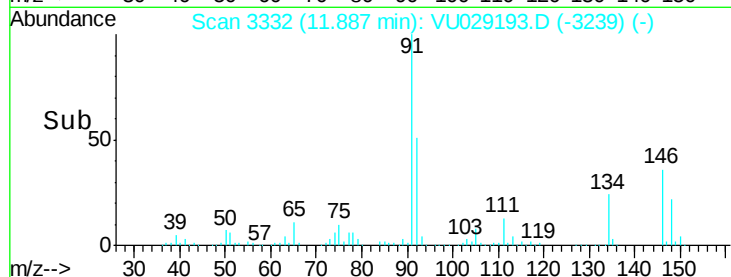
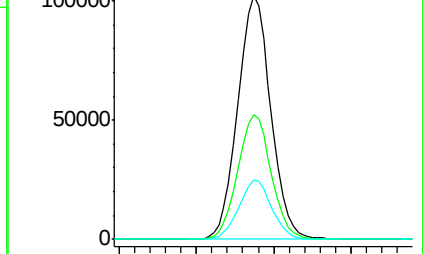
134 24.3 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028994.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028994.D (-3319) (-)



#90

Hexachloroethane

Concen: 31.650 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029193.D

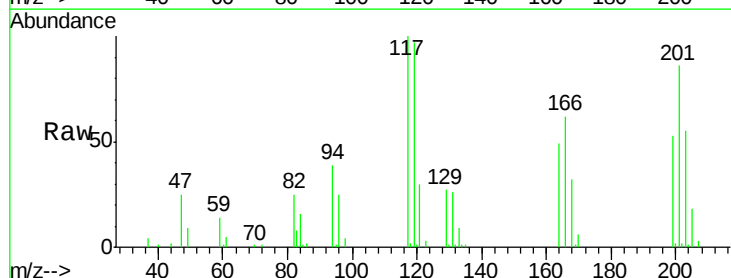
Acq: 15 Jan 2019 18:21

Tgt Ion: 117 Resp: 27589

Ion Ratio Lower Upper

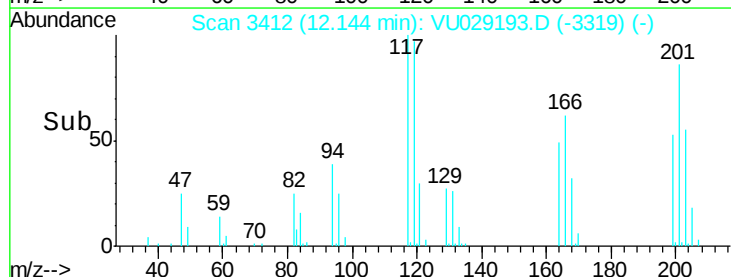
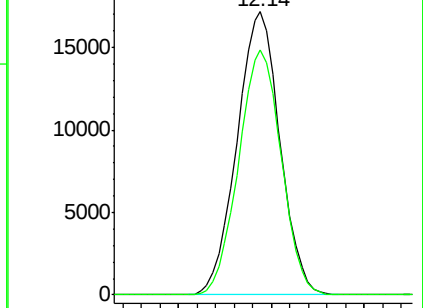
117 100

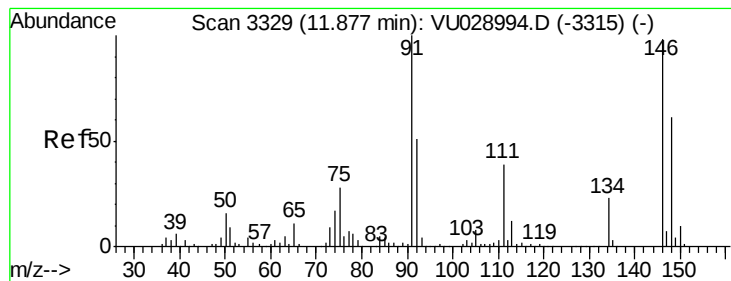
201 85.9 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028994.D (-3399) (-)





#91

1,2-Dichlorobenzene

Concen: 30.373 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

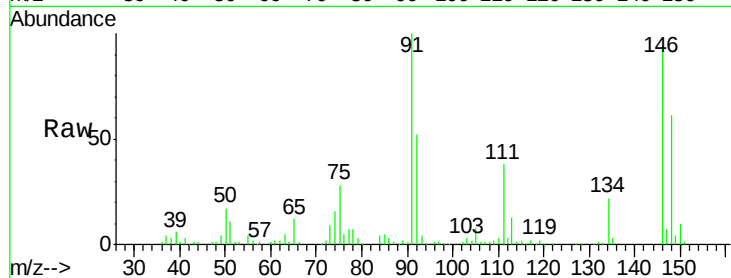
Tot Ion:146 Resp: 89329

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

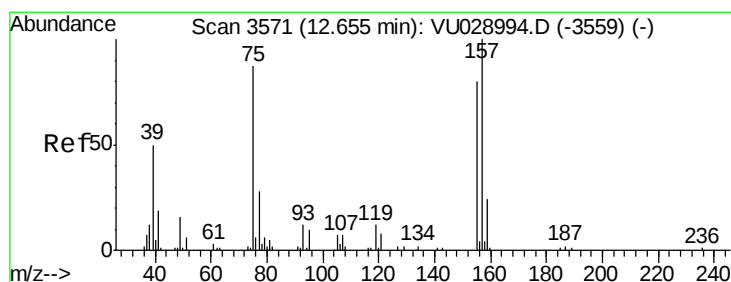
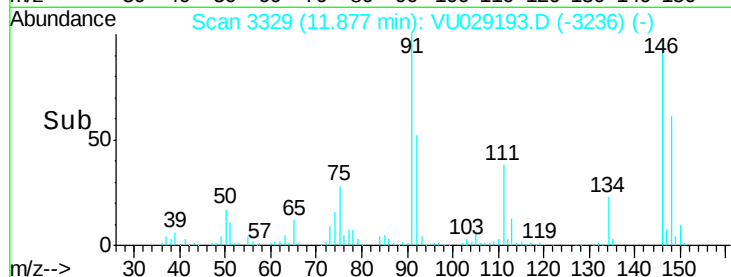
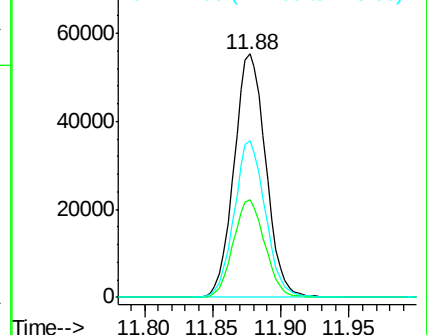
148 63.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 33.882 ug/l

RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

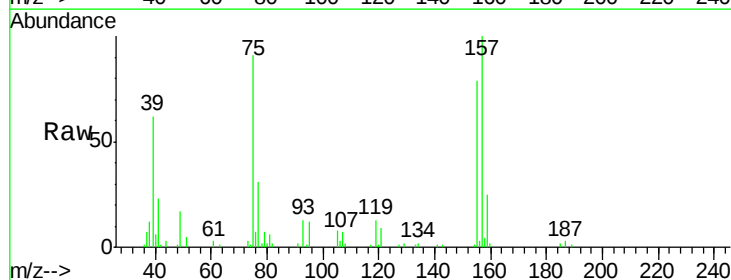
Tgt Ion: 75 Resp: 15955

Ion Ratio Lower Upper

75 100

155 87.8 46.3 138.8

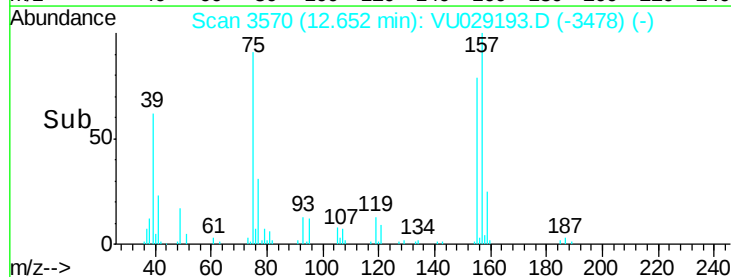
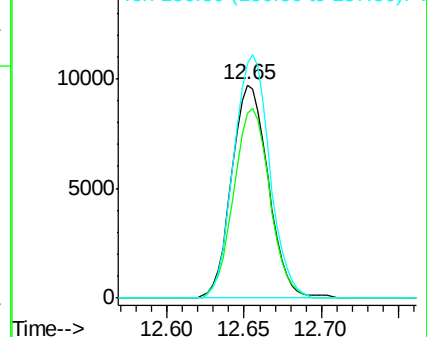
157 112.0 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

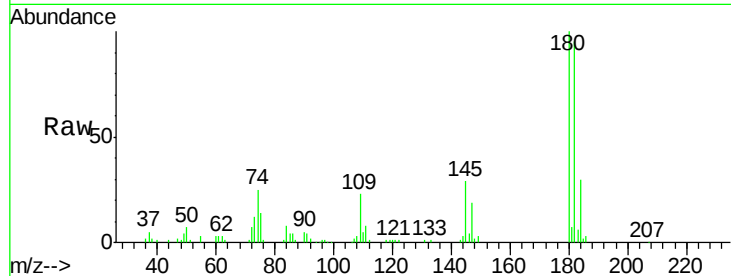




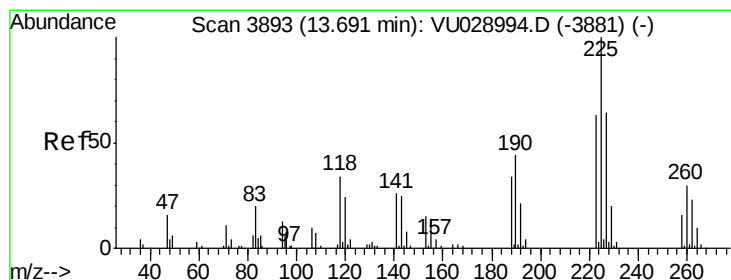
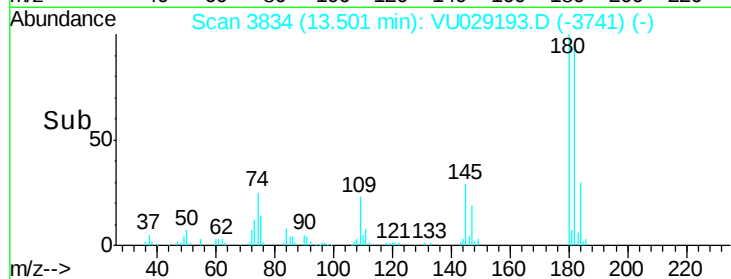
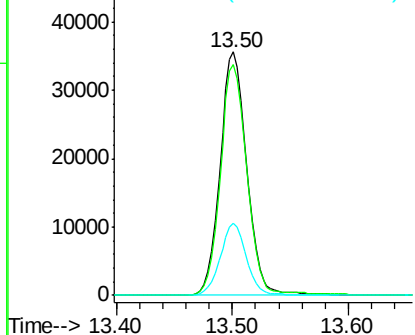
#93
 1,2,4-Trichlorobenzene
 Concen: 30.441 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 57151
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.5 142.6
 145 28.8 14.0 42.0

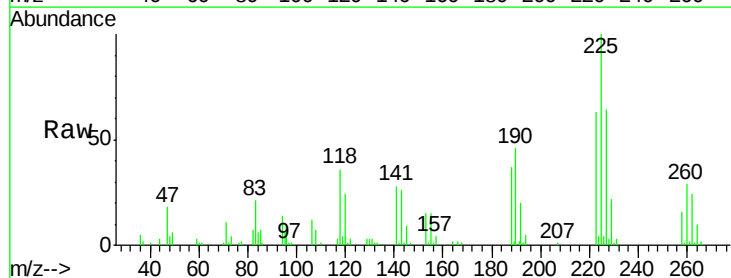


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

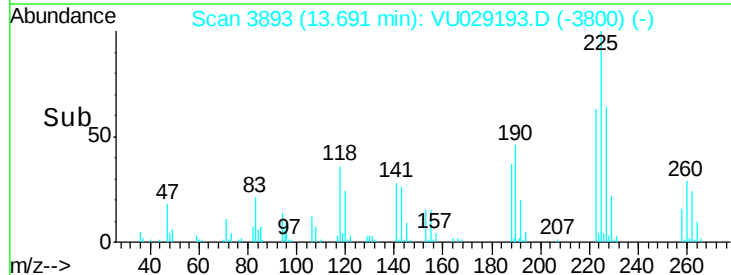
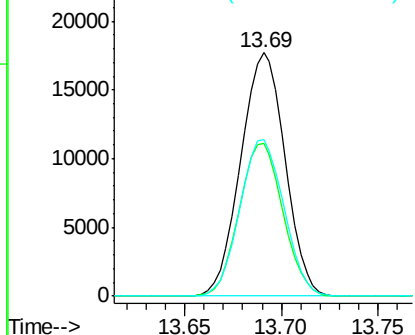


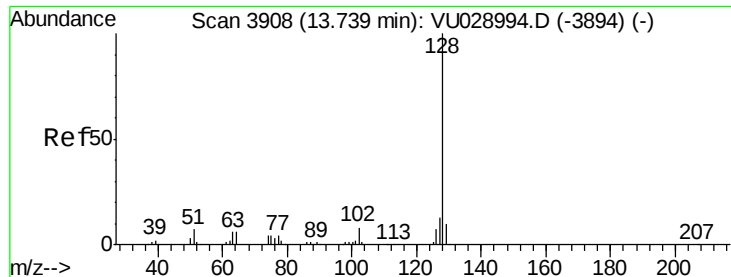
#94
 Hexachlorobutadiene
 Concen: 32.828 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029193.D
 Acq: 15 Jan 2019 18:21

Tgt Ion:225 Resp: 28190
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.4 94.0
 227 63.8 31.9 95.5



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: 30.398 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

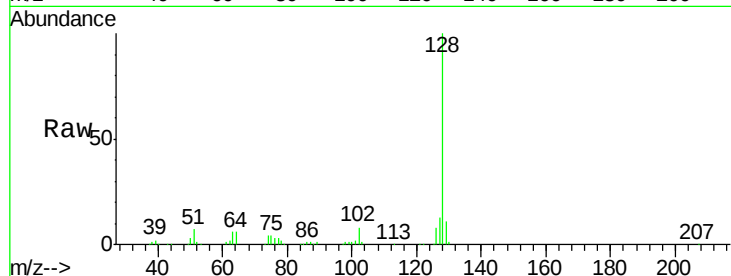
Tot Ion:128 Resp: 194143

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

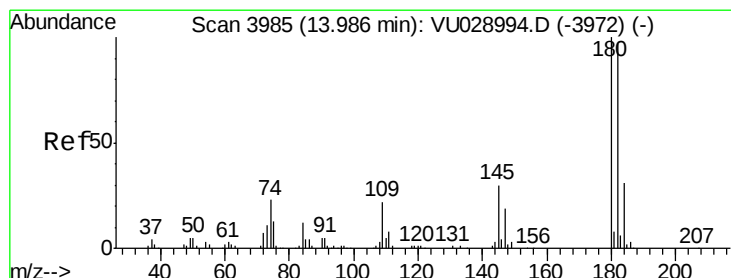
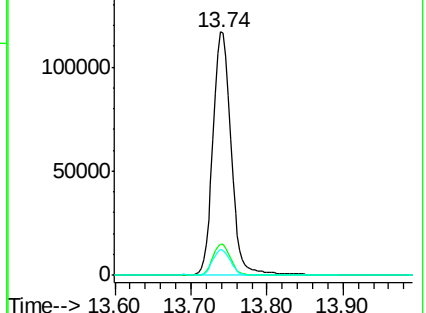
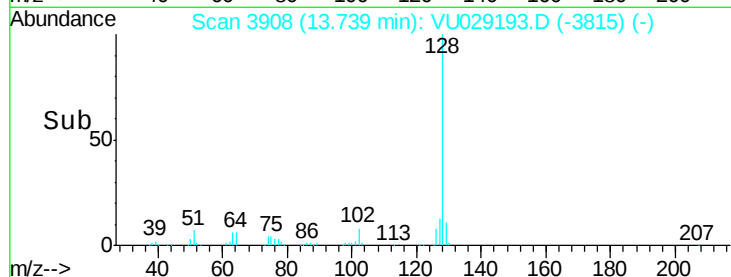
129 10.5 8.5 12.7



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: 30.854 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029193.D

Acq: 15 Jan 2019 18:21

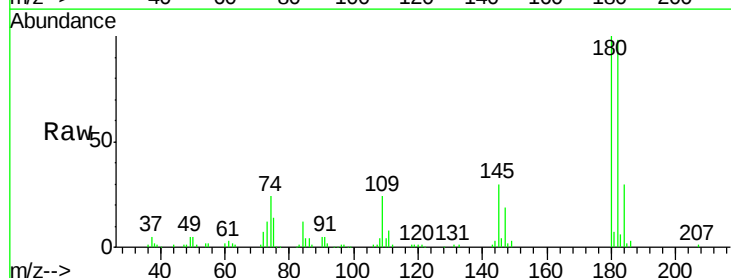
Tgt Ion:180 Resp: 59050

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.3

145 30.1 14.8 44.4



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

