

Data File : VU033994.D
Acq On : 27 Aug 2019 23:52
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 28 04:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	385377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	620001	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	590092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	306383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	273348	63.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.70%	
35) Dibromofluoromethane	4.86	113	220469	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	7.55	98	716372	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	10.29	95	295737	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	219719	56.684	ug/l	99
3) Chloromethane	1.32	50	283196	67.143	ug/l	98
4) Vinyl Chloride	1.40	62	263740	68.154	ug/l	99
5) Bromomethane	1.61	94	120672	51.307	ug/l	100
6) Chloroethane	1.68	64	137660	59.748	ug/l	98
7) Trichlorofluoromethane	1.87	101	277729	54.545	ug/l	99
8) Diethyl Ether	2.09	74	114077	59.065	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.27	101	184011	56.587	ug/l	95
10) Methyl Iodide	2.40	142	279693	57.434	ug/l	96
11) Tert butyl alcohol	2.83	59	300709	271.168	ug/l	99
12) 1,1-Dichloroethene	2.27	96	191907	56.542	ug/l	92
13) Acrolein	2.18	56	109018	309.560	ug/l	99
14) Allyl chloride	2.58	41	392034	65.235	ug/l	95
15) Acrylonitrile	2.92	53	712491	317.824	ug/l	99
16) Acetone	2.31	43	610157	297.735	ug/l	97
17) Carbon Disulfide	2.46	76	636094	57.072	ug/l	99
18) Methyl Acetate	2.60	43	342188	67.793	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	699988	61.393	ug/l	98
20) Methylene Chloride	2.68	84	240432	55.299	ug/l	91
21) trans-1,2-Dichloroethene	2.96	96	218336	56.420	ug/l	92
22) Diisopropyl ether	3.55	45	765939	69.368	ug/l	96
23) Vinyl Acetate	3.50	43	3333422	355.357	ug/l	96
24) 1,1-Dichloroethane	3.42	63	428180	61.938	ug/l	98
25) 2-Butanone	4.24	43	981731	334.193	ug/l	94
26) 2,2-Dichloropropane	4.20	77	286078	48.942	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	245894	56.763	ug/l	94
28) Bromochloromethane	4.52	49	216137	67.953	ug/l	83
29) Tetrahydrofuran	4.61	42	636837	346.597	ug/l	92
30) Chloroform	4.65	83	413583	58.425	ug/l	99
31) Cyclohexane	4.97	56	391380	61.998	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	348300	58.446	ug/l	97
36) 1,1-Dichloropropene	5.11	75	310540	54.686	ug/l	97
37) Ethyl Acetate	4.36	43	364487	63.993	ug/l	97
38) Carbon Tetrachloride	5.11	117	298764	51.625	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	322319	47.968	ug/l	98
40) Benzene	5.37	78	927489	54.934	ug/l	100
41) Methacrylonitrile	4.52	41	193280	65.487	ug/l	95
42) 1,2-Dichloroethane	5.38	62	329001	57.625	ug/l	98
43) Isopropyl Acetate	5.53	43	552603	63.277	ug/l	96
44) Trichloroethene	6.16	130	226433	47.035	ug/l	93
45) 1,2-Dichloropropane	6.41	63	233342	51.658	ug/l	97
46) Dibromomethane	6.54	93	155078	50.482	ug/l	94
47) Bromodichloromethane	6.74	83	295239	50.459	ug/l	98
48) Methyl methacrylate	6.60	41	250598	60.353	ug/l	93
49) 1,4-Dioxane	6.61	88	127138	1115.697	ug/l #	96
51) 4-Methyl-2-Pentanone	7.44	43	1407733	233.792	ug/l	99
52) Toluene	7.62	92	494185	46.419	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	331040	51.163	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	306991	43.891	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	228386	50.770	ug/l	98
56) Ethyl methacrylate	8.00	69	357151	50.343	ug/l	94
57) 1,3-Dichloropropane	8.22	76	387610	52.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	754167	283.637	ug/l	94
59) 2-Hexanone	8.35	43	1423569	307.585	ug/l	94
60) Dibromochloromethane	8.46	129	249969	49.414	ug/l	100
61) 1,2-Dibromoethane	8.57	107	241508	50.835	ug/l	99
64) Tetrachloroethene	8.21	164	190368	40.124	ug/l	97
65) Chlorobenzene	9.10	112	597679	49.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	221439	48.879	ug/l	99
67) Ethyl Benzene	9.23	91	1049360	51.795	ug/l	100
68) m/p-Xylenes	9.36	106	808486	103.473	ug/l	97
69) o-Xylene	9.76	106	379701	50.830	ug/l	95
70) Styrene	9.77	104	666975	52.168	ug/l	97
71) Bromoform	9.94	173	182844	45.593	ug/l #	100
73) Isopropylbenzene	10.15	105	1030456	52.258	ug/l	98
74) N-amyl acetate	10.00	43	496233	67.041	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	393409	55.393	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	434625	71.196	ug/l	86
77) Bromobenzene	10.43	156	261563	46.940	ug/l	90
78) n-propylbenzene	10.57	91	1216962	54.421	ug/l	97
79) 2-Chlorotoluene	10.64	91	717052	53.141	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	898517	53.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.48	75	434625	203.920	ug/l #	100
82) 4-Chlorotoluene	10.75	91	832496	53.295	ug/l	97
83) tert-Butylbenzene	11.08	119	846347	51.627	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	907175	54.715	ug/l	98
85) sec-Butylbenzene	11.31	105	1027011	52.490	ug/l	99
86) p-Isopropyltoluene	11.46	119	947972	51.764	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	475380	48.091	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	474926	47.604	ug/l	98
89) n-Butylbenzene	11.87	91	862360	56.342	ug/l	98
90) Hexachloroethane	12.12	117	158763	52.413	ug/l	86
91) 1,2-Dichlorobenzene	11.86	146	476932	49.014	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92543	65.052	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082819\
Quantitation Report (Not Reviewed)

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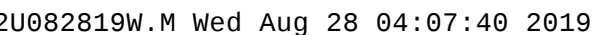
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

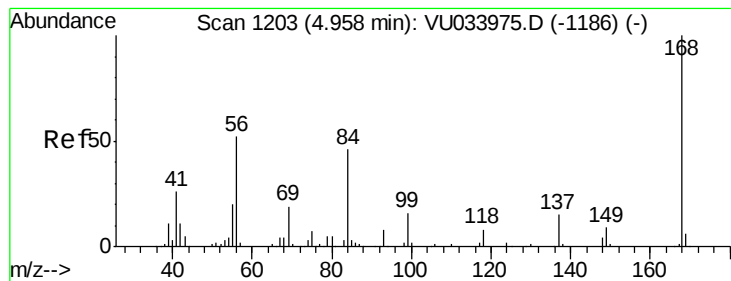
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	312059	45.751	ug/l	100
94) Hexachlorobutadiene	13.67	225	177535	44.505	ug/l	98
95) Naphthalene	13.73	128	957818	50.618	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	337466	54.275	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

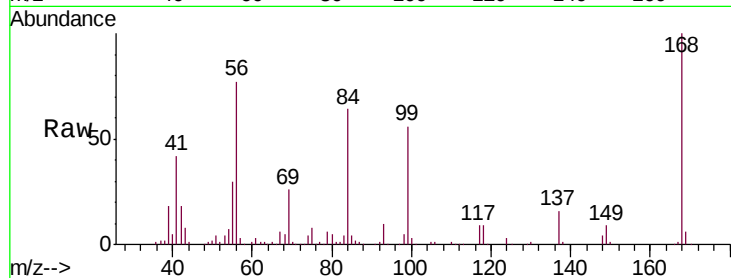
VSTDCCC050EC

Tgt Ion:168 Resp: 385377

Ion Ratio Lower Upper

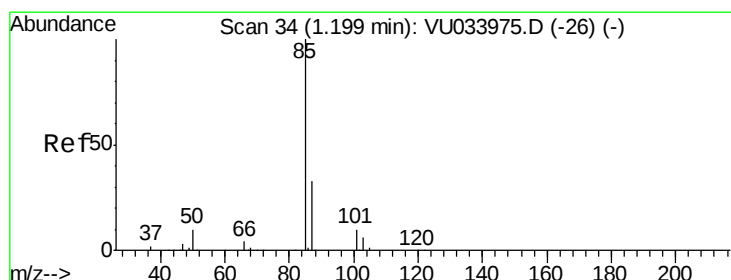
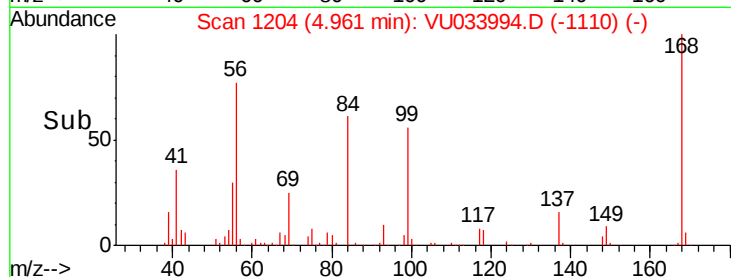
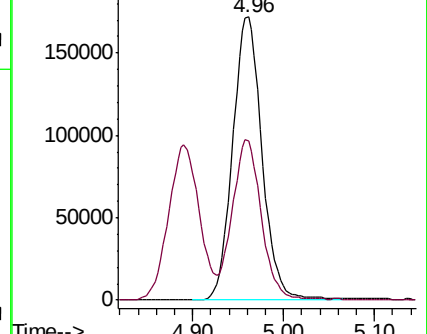
168 100

99 55.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033994.D (-1110) (-)



#2

Dichlorodifluoromethane

Concen: 56.684 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033994.D

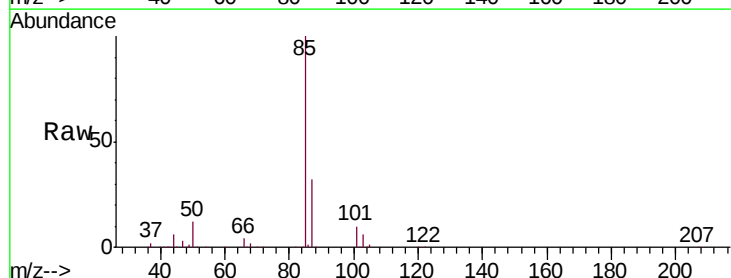
Acq: 27 Aug 2019 23:52

Tgt Ion: 85 Resp: 219719

Ion Ratio Lower Upper

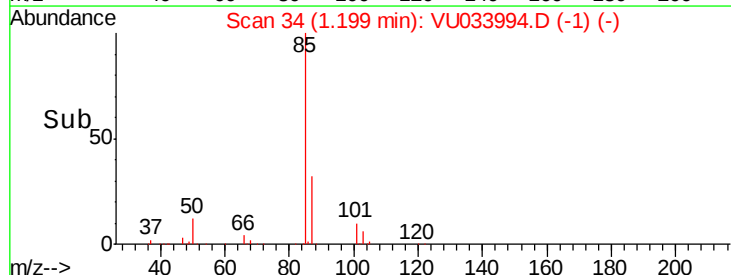
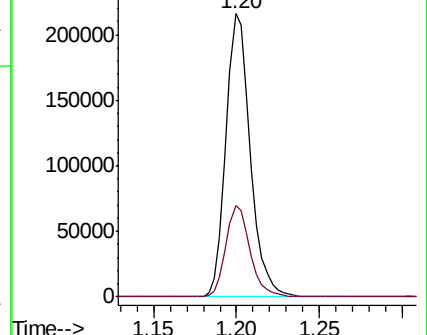
85 100

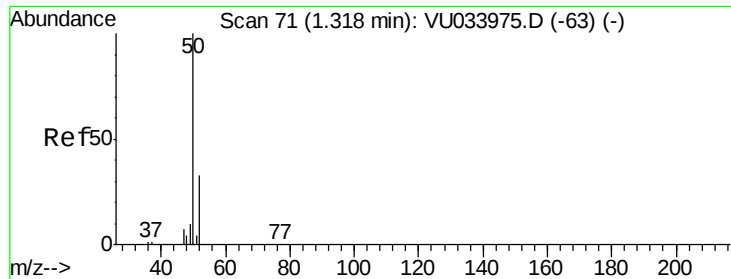
87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033994.D (-1) (-)

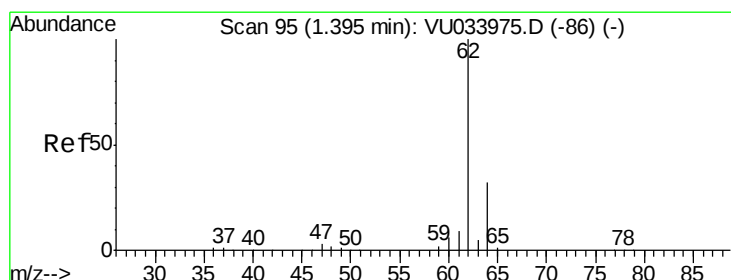
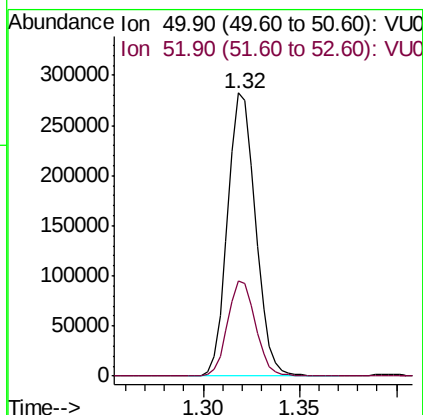
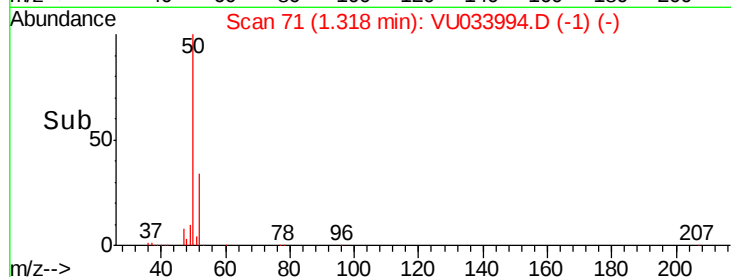
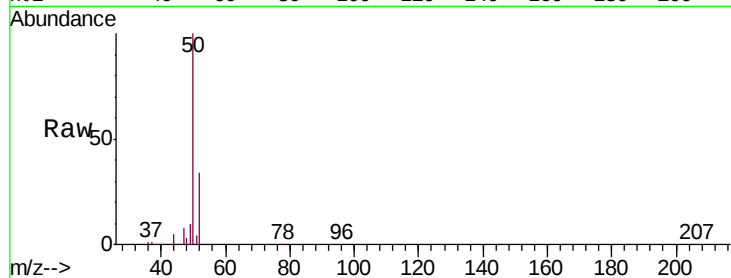




#3
 Chloromethane
 Concen: 67.143 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

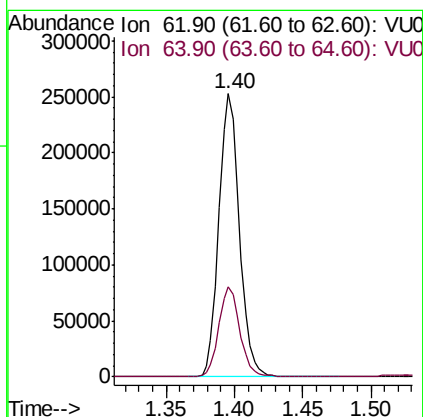
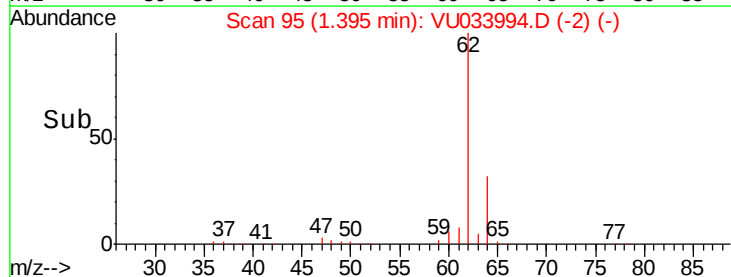
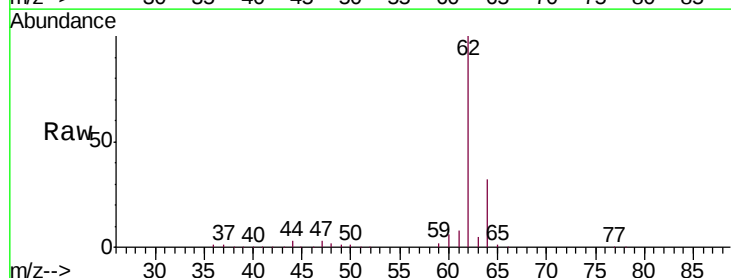
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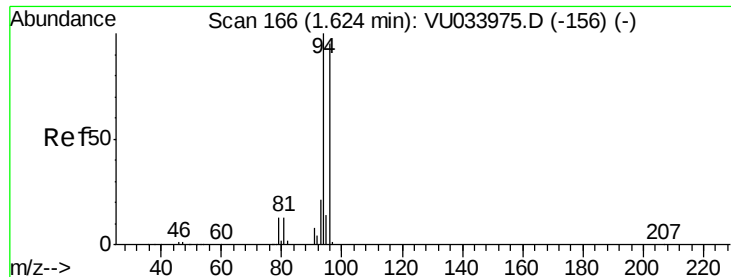
Tgt Ion: 50 Resp: 283196
 Ion Ratio Lower Upper
 50 100
 52 33.7 26.2 39.2



#4
 Vinyl Chloride
 Concen: 68.154 ug/l
 RT: 1.40 min Scan# 95
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 62 Resp: 263740
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.9 38.9





#5

Bromomethane

Concen: 51.307 ug/l

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

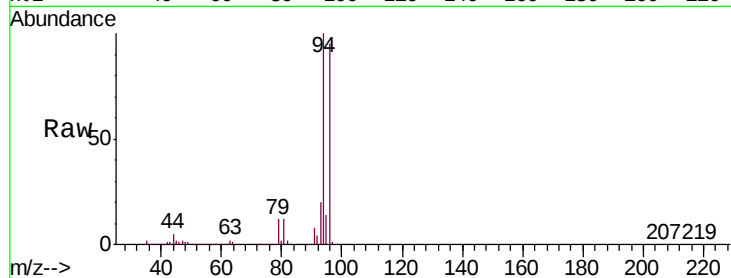
VSTDCCC050EC

Tgt Ion: 94 Resp: 120672

Ion Ratio Lower Upper

94 100

96 95.0 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU033994.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033994.D (-156) (-)

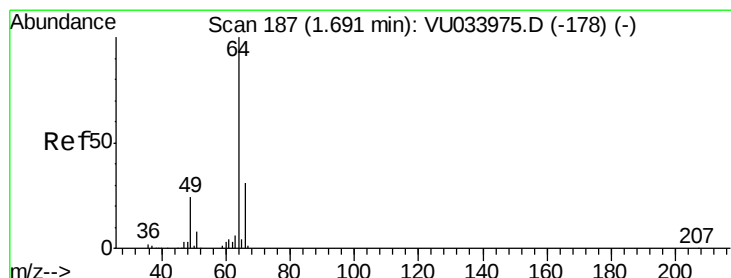
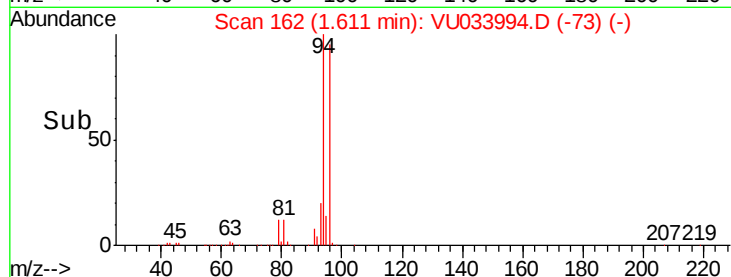
1.61

100000

50000

0

Time-->



#6

Chloroethane

Concen: 59.748 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU033994.D

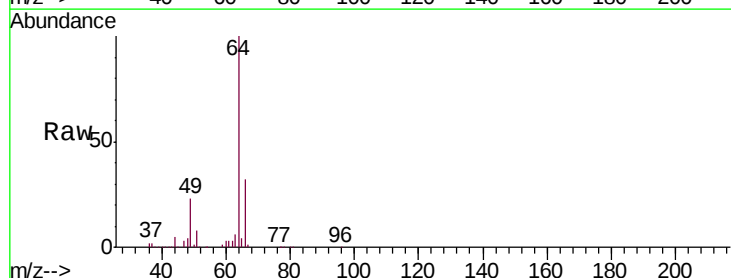
Acq: 27 Aug 2019 23:52

Tgt Ion: 64 Resp: 137660

Ion Ratio Lower Upper

64 100

66 32.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033994.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033994.D (-178) (-)

1.68

120000

100000

80000

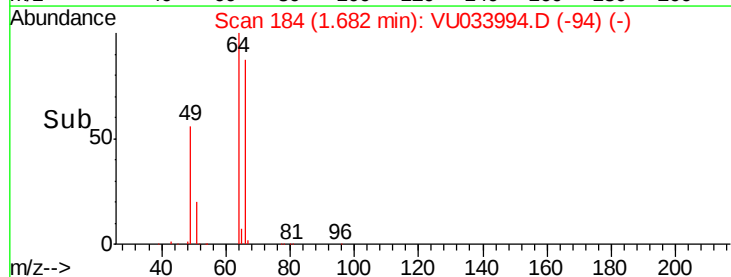
60000

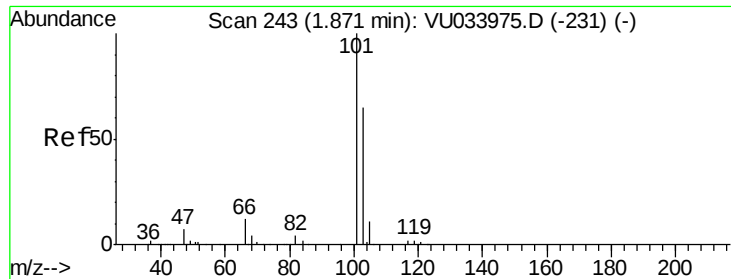
40000

20000

0

Time-->



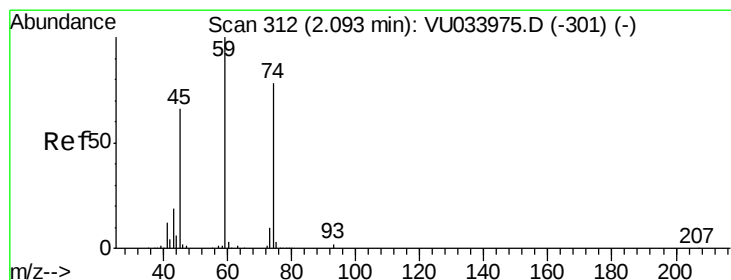
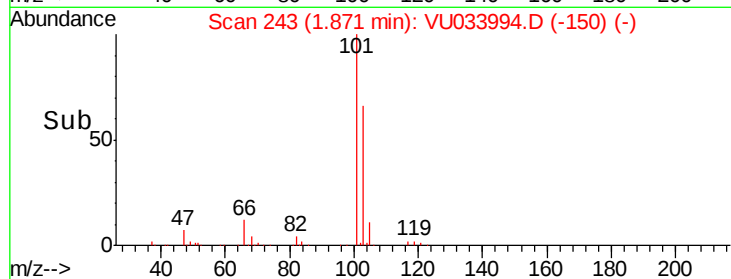
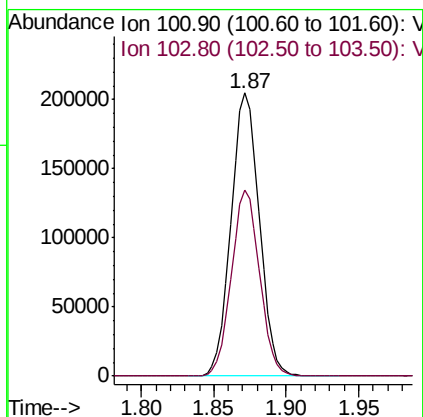
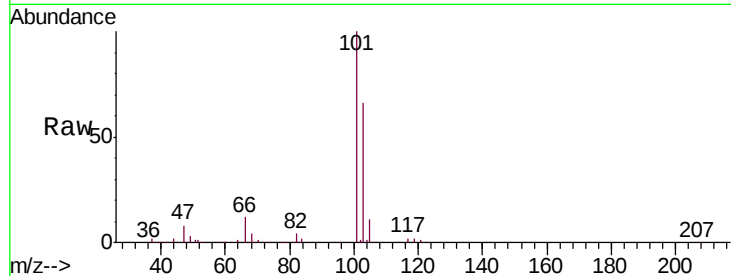


#7

Trichlorofluoromethane
 Concen: 54.545 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VU033994.D
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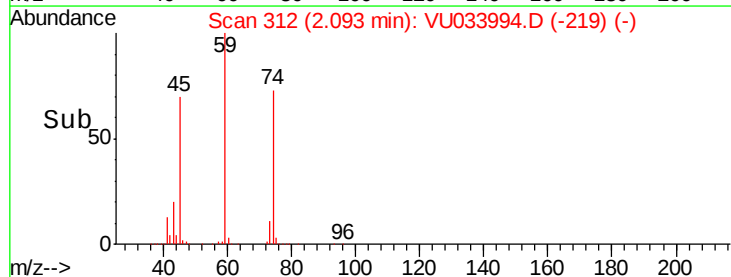
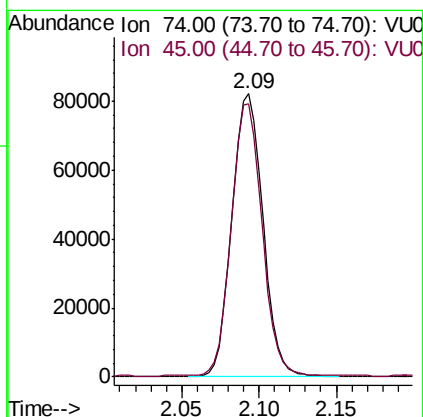
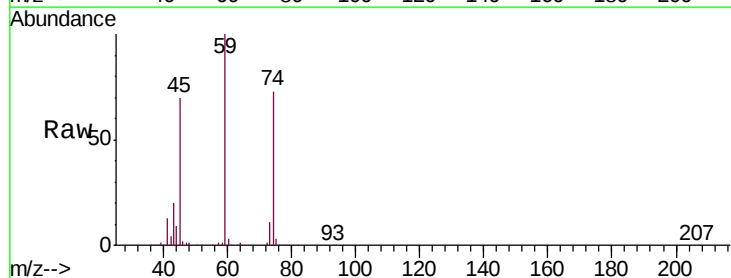
Tgt Ion:101 Resp: 277729
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.0 78.0

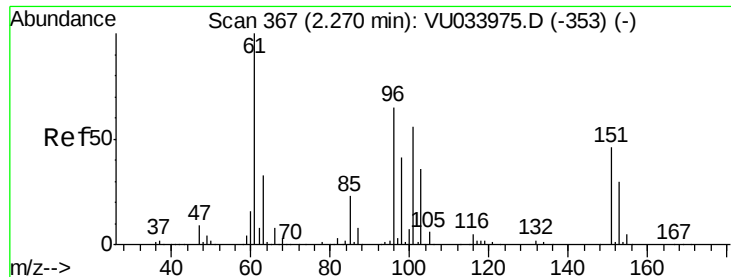


#8

Diethyl Ether
 Concen: 59.065 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 74 Resp: 114077
 Ion Ratio Lower Upper
 74 100
 45 95.9 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.587 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

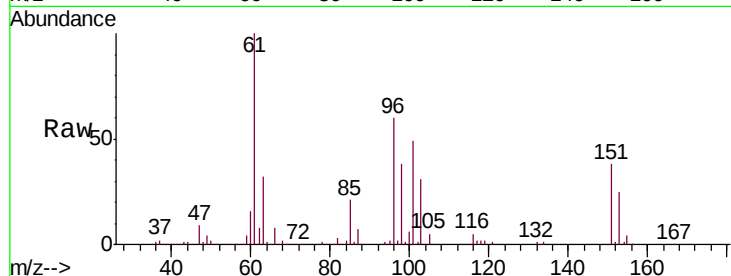
Tgt Ion:101 Resp: 184011

Ion Ratio Lower Upper

101 100

85 43.7 33.4 50.0

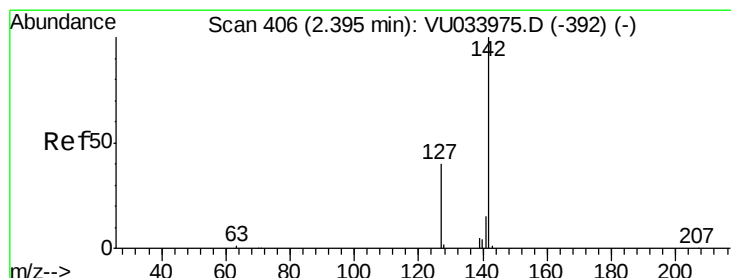
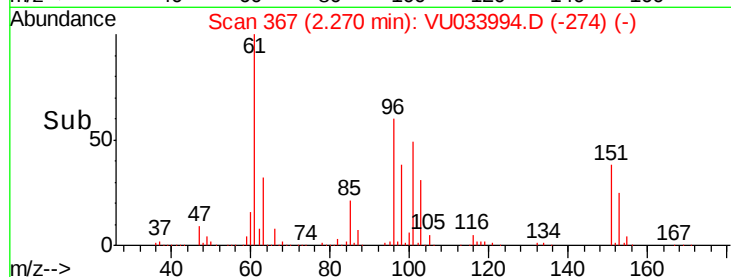
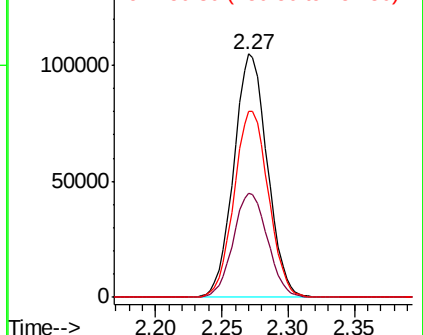
151 78.7 67.6 101.4



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: 57.434 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

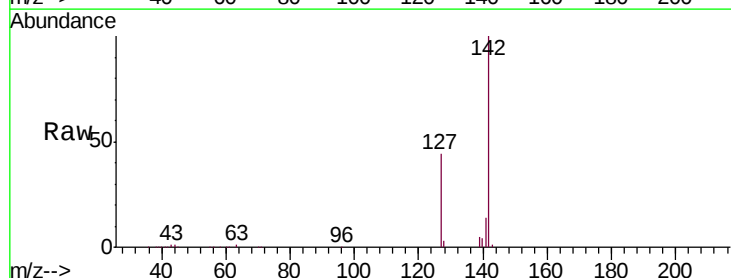
Tgt Ion:142 Resp: 279693

Ion Ratio Lower Upper

142 100

127 43.2 32.2 48.2

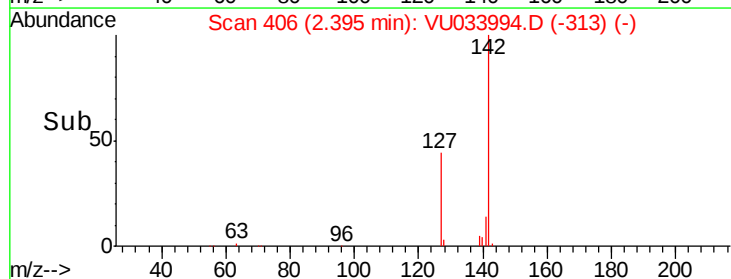
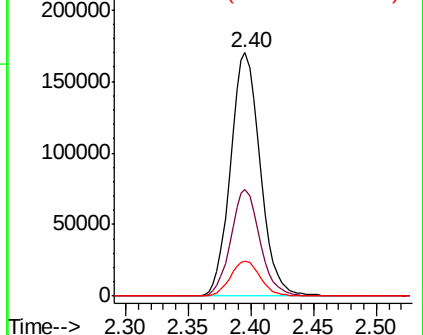
141 14.5 11.8 17.8

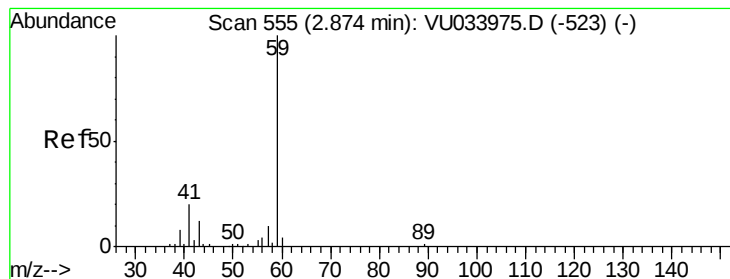


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



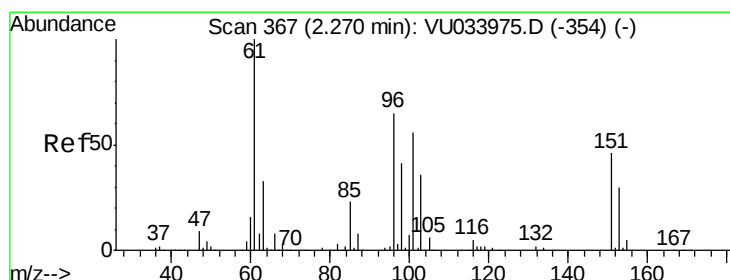
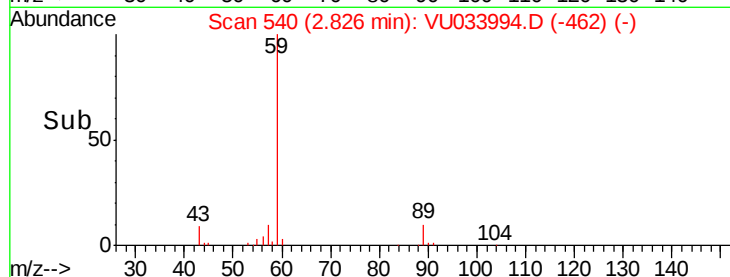
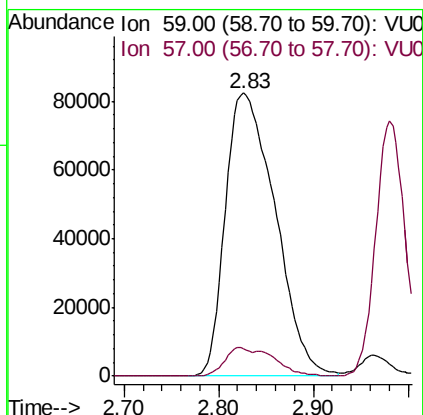
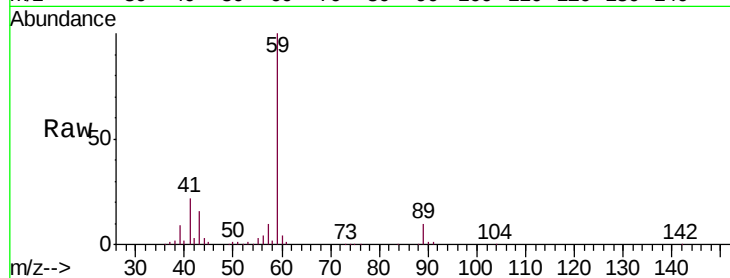


#11

Tert butyl alcohol
 Concen: 271.168 ug/l
 RT: 2.83 min Scan# 540
 Delta R.T. -0.05 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

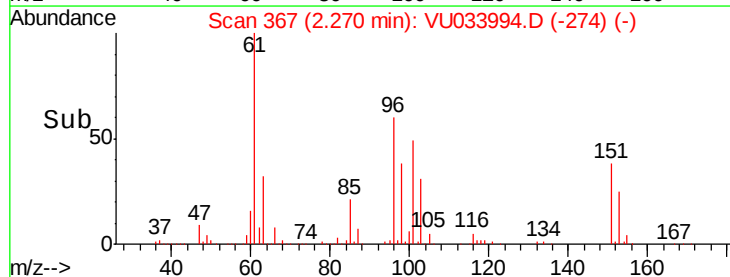
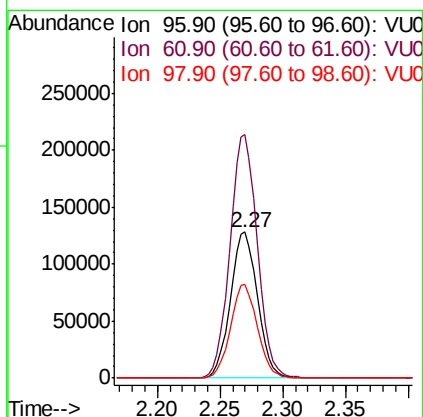
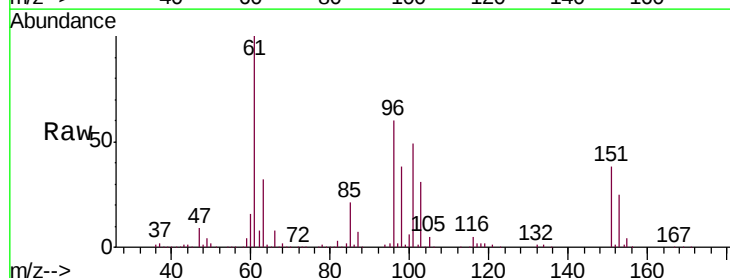
Tgt Ion: 59 Resp: 300709
 Ion Ratio Lower Upper
 59 100
 57 5.3 3.9 5.9

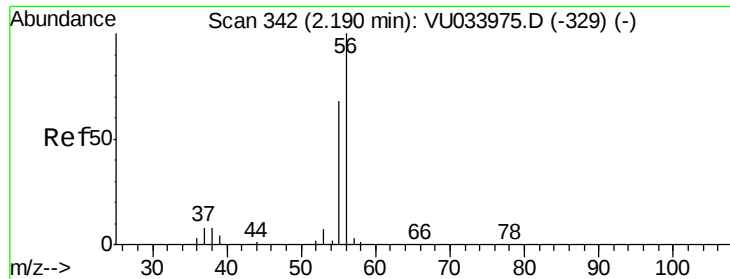


#12

1,1-Dichloroethene
 Concen: 56.542 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 96 Resp: 191907
 Ion Ratio Lower Upper
 96 100
 61 167.1 123.3 184.9
 98 64.1 50.5 75.7

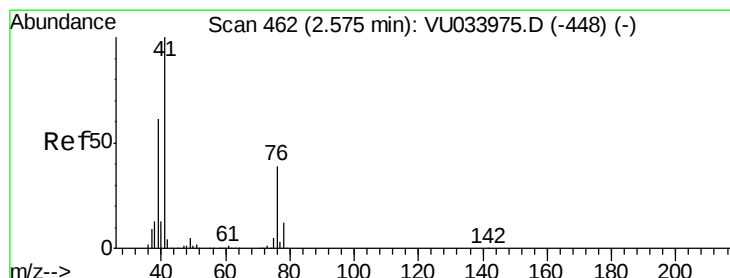
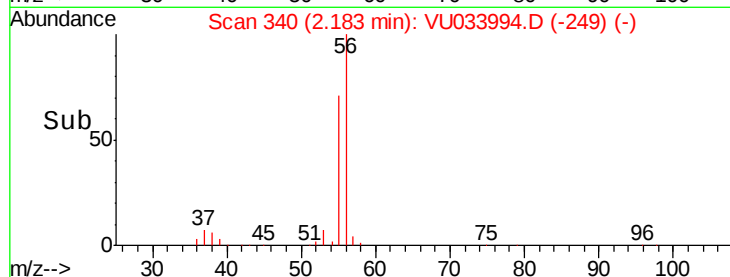
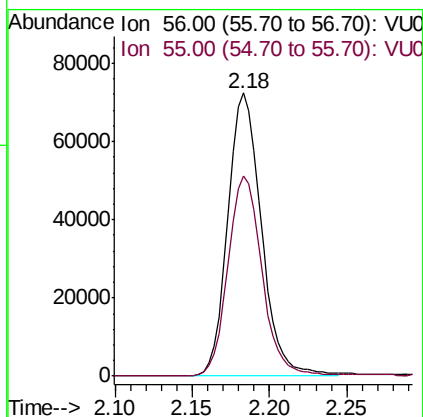
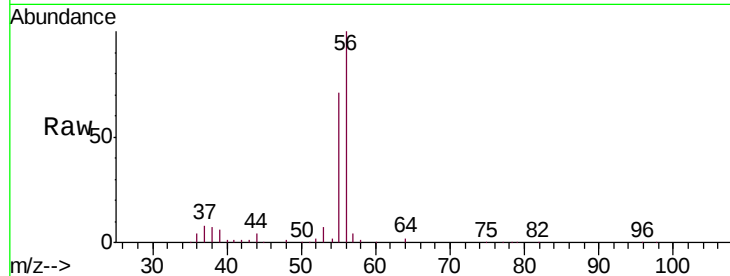




#13
 Acrolein
 Concen: 309.560 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

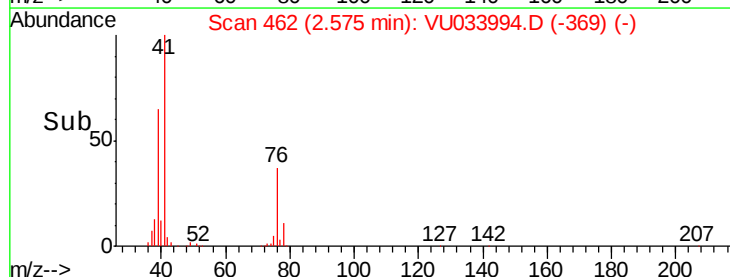
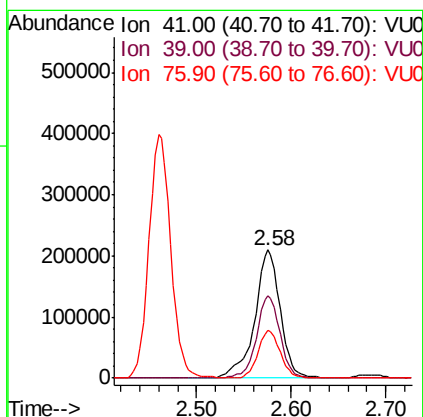
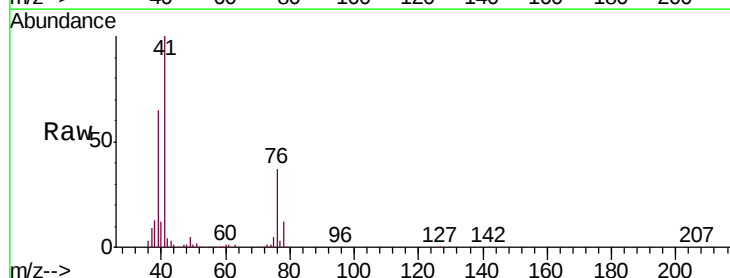
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

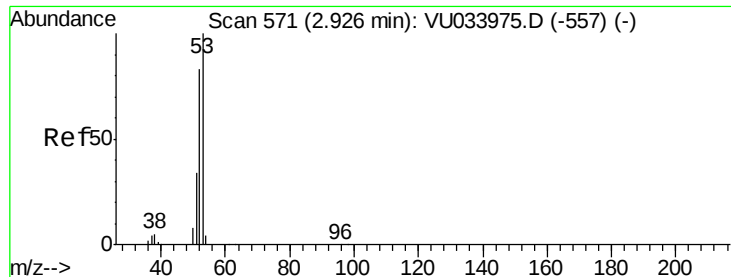
Tgt Ion: 56 Resp: 109018
 Ion Ratio Lower Upper
 56 100
 55 71.6 58.0 87.0



#14
 Allyl chloride
 Concen: 65.235 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 41 Resp: 392034
 Ion Ratio Lower Upper
 41 100
 39 59.7 45.9 68.9
 76 32.2 29.4 44.2





#15

Acrylonitrile

Concen: 317.824 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

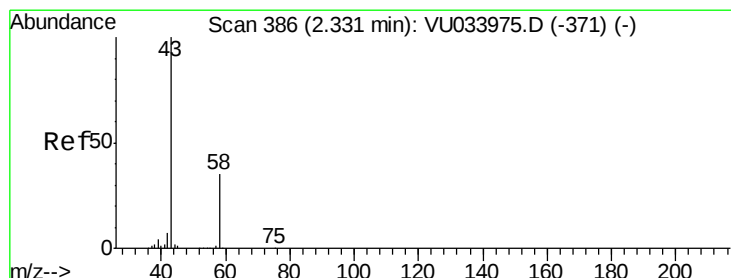
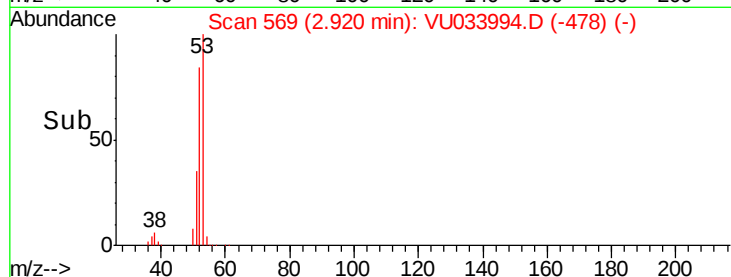
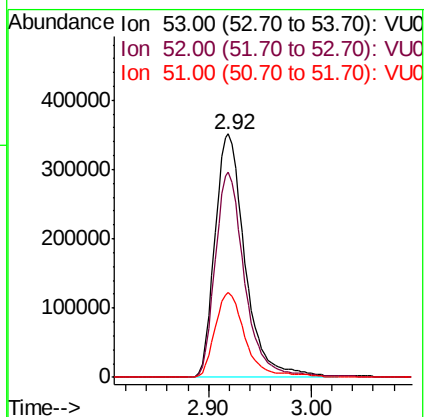
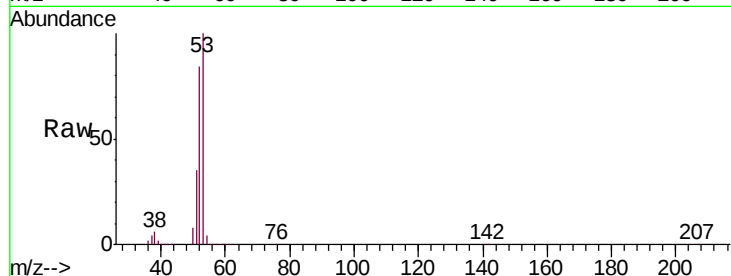
Tgt Ion: 53 Resp: 712491

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 35.1 27.5 41.3



#16

Acetone

Concen: 297.735 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033994.D

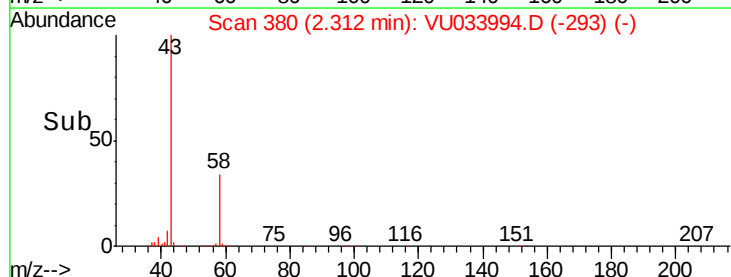
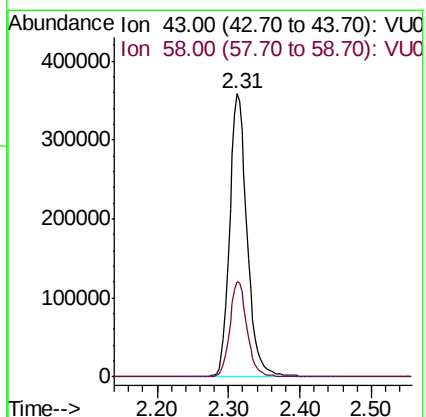
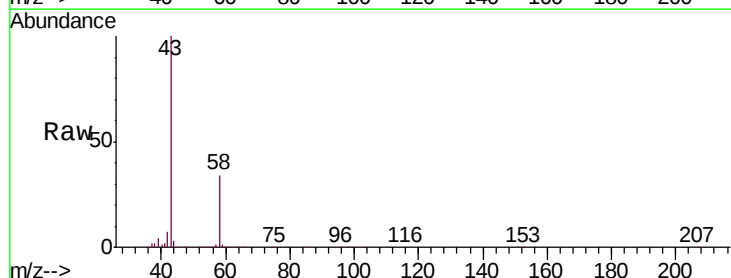
Acq: 27 Aug 2019 23:52

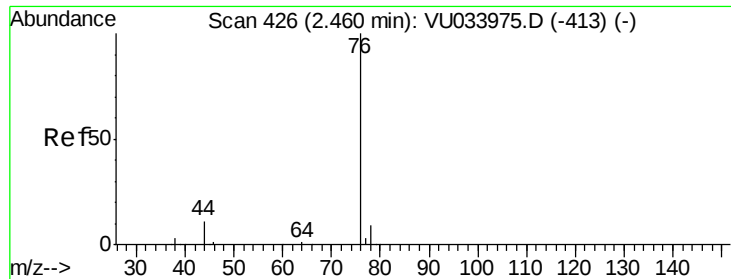
Tgt Ion: 43 Resp: 610157

Ion Ratio Lower Upper

43 100

58 33.5 28.0 42.0

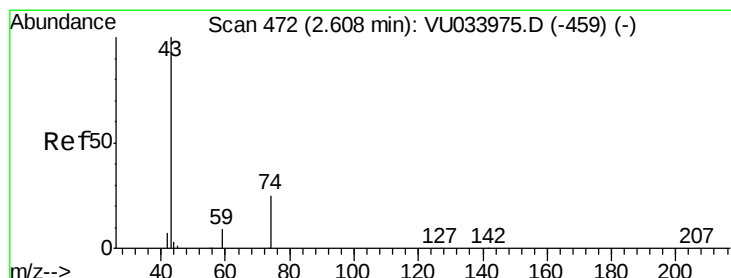
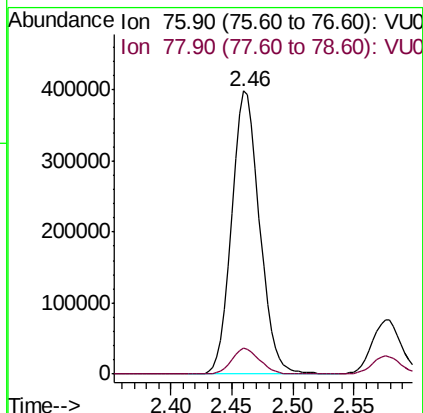
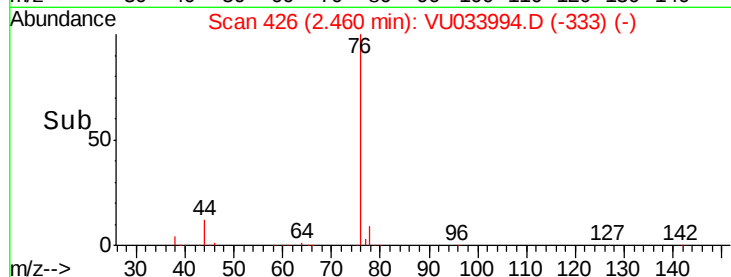
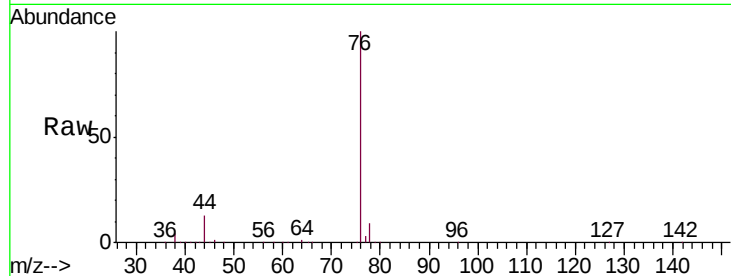




#17
Carbon Disulfide
Concen: 57.072 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

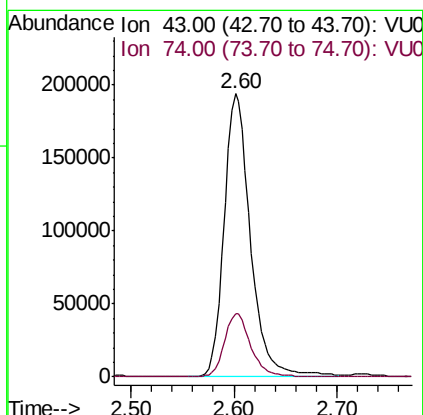
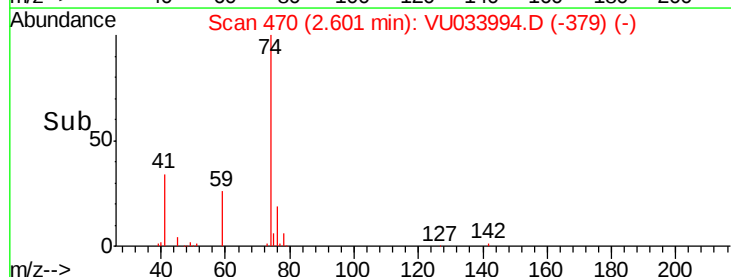
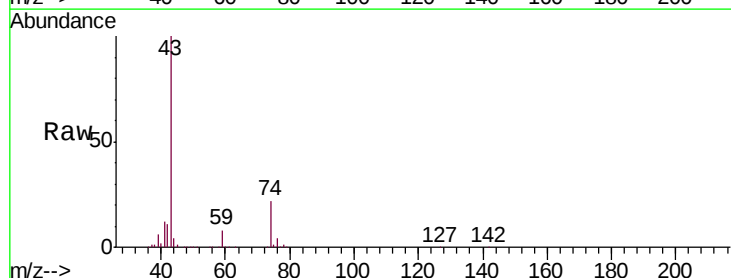
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

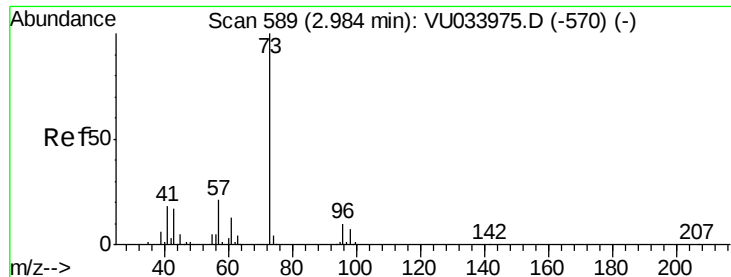
Tgt Ion: 76 Resp: 636094
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 67.793 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 43 Resp: 342188
Ion Ratio Lower Upper
43 100
74 23.1 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 61.393 ug/l

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

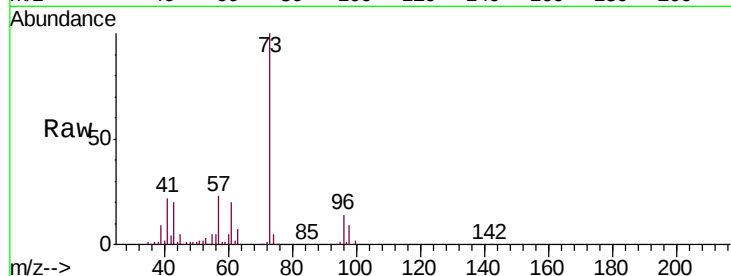
VSTDCCC050EC

Tgt Ion: 73 Resp: 699988

Ion Ratio Lower Upper

73 100

57 22.9 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VU033994.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033994.D (-570) (-)

2.98

300000

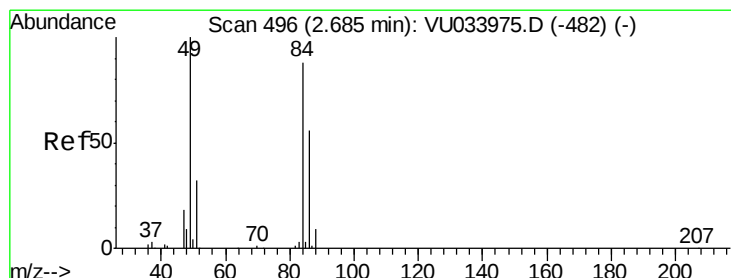
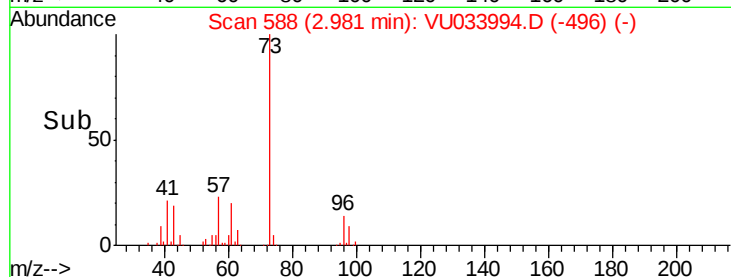
200000

100000

0

Time-->

2.90 3.00 3.10



#20

Methylene Chloride

Concen: 55.299 ug/l

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion: 84 Resp: 240432

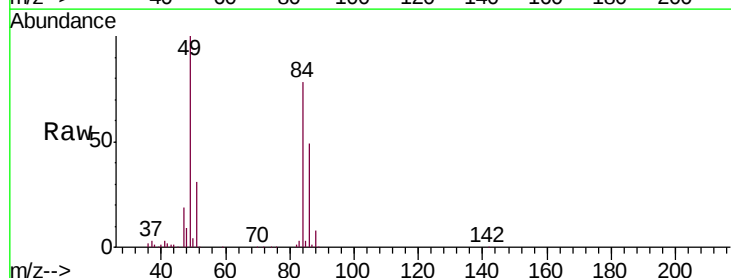
Ion Ratio Lower Upper

84 100

49 128.9 91.3 136.9

51 40.0 28.9 43.3

86 63.4 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VU033994.D (-403) (-)

Ion 48.90 (48.60 to 49.60): VU033994.D (-403) (-)

Ion 50.90 (50.60 to 51.60): VU033994.D (-403) (-)

Ion 85.90 (85.60 to 86.60): VU033994.D (-403) (-)

250000

200000

150000

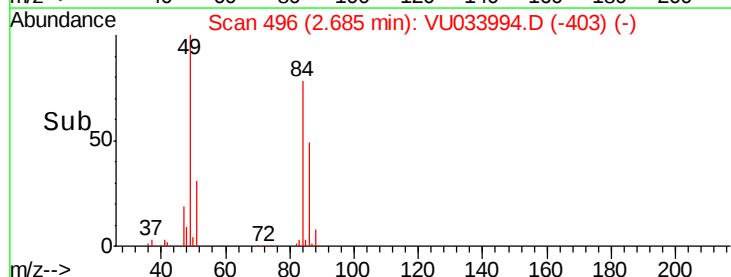
100000

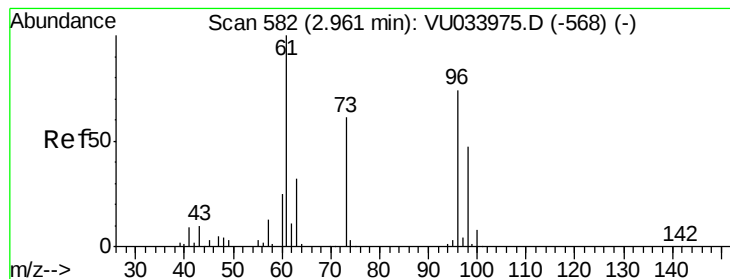
50000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#21

trans-1,2-Dichloroethene

Concen: 56.420 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

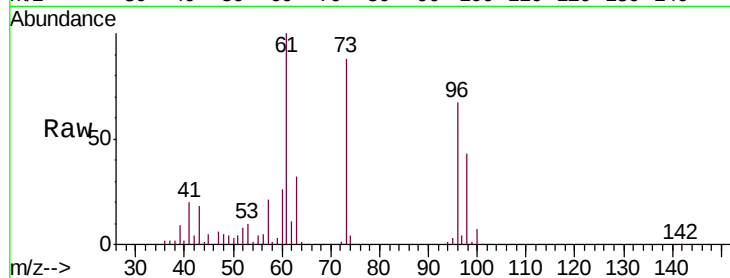
Tgt Ion: 96 Resp: 218336

Ion Ratio Lower Upper

96 100

61 148.4 108.2 162.2

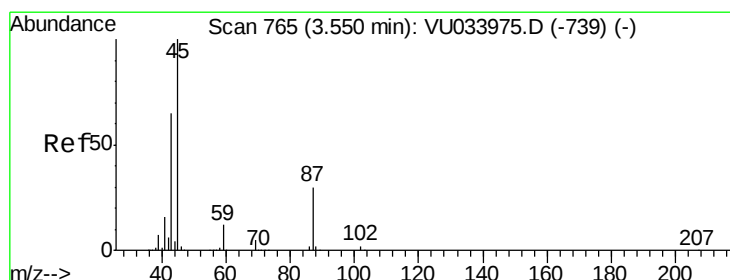
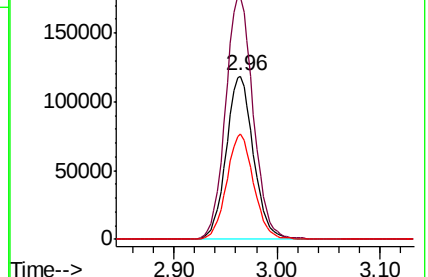
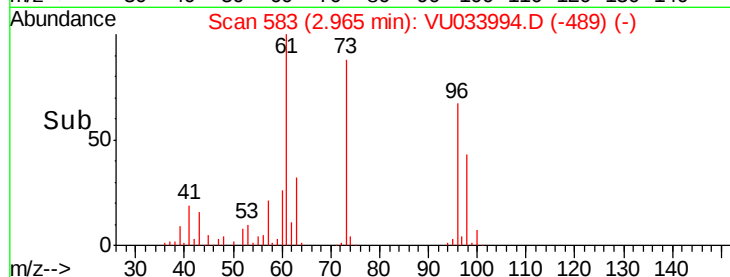
98 64.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU033994.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU033994.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033994.D (-489) (-)



#22

Diisopropyl ether

Concen: 69.368 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion: 45 Resp: 765939

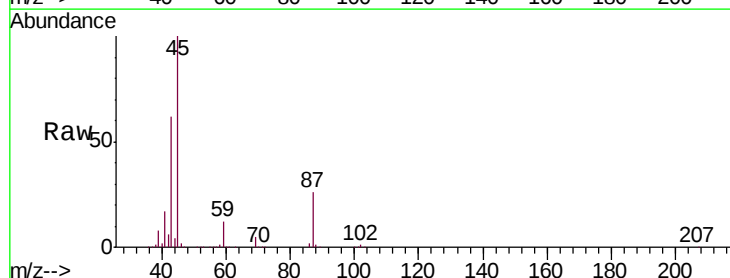
Ion Ratio Lower Upper

45 100

43 62.0 51.6 77.4

87 25.9 24.4 36.6

59 11.5 9.8 14.6

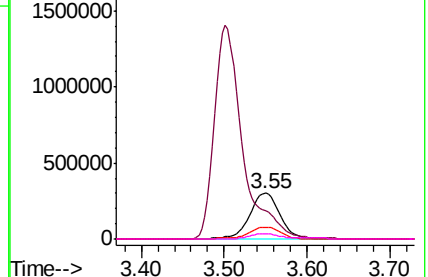
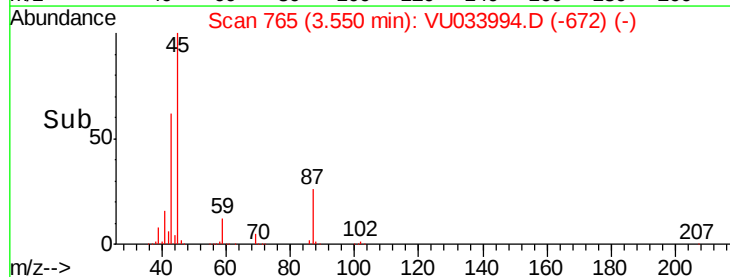


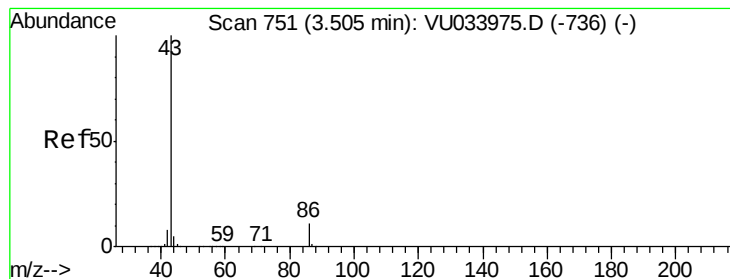
Abundance Ion 45.00 (44.70 to 45.70): VU033994.D (-672) (-)

Ion 43.00 (42.70 to 43.70): VU033994.D (-672) (-)

Ion 87.00 (86.70 to 87.70): VU033994.D (-672) (-)

Ion 59.00 (58.70 to 59.70): VU033994.D (-672) (-)





#23

Vinyl Acetate

Concen: 355.357 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

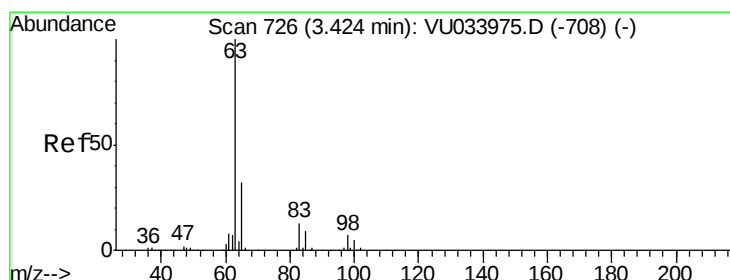
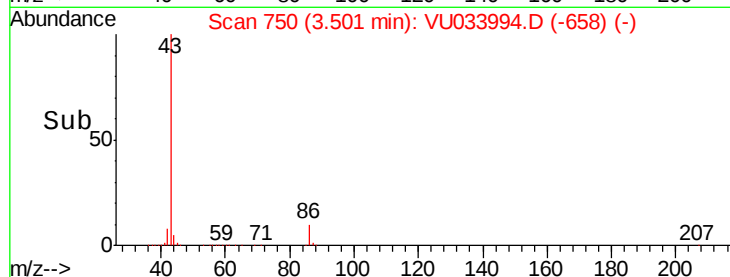
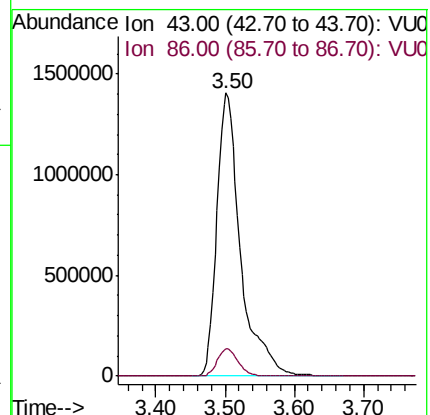
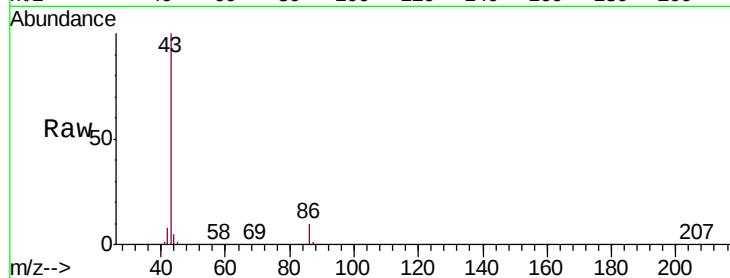
VSTDCCC050EC

Tgt Ion: 43 Resp: 3333422

Ion Ratio Lower Upper

43 100

86 9.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 61.938 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

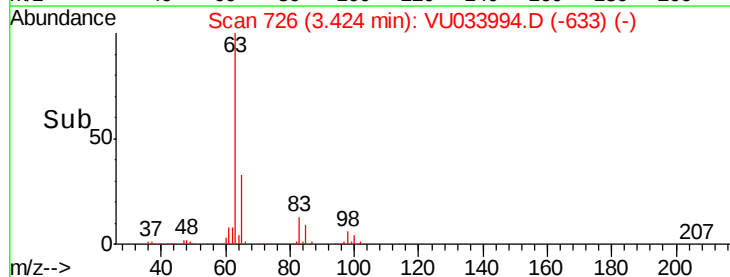
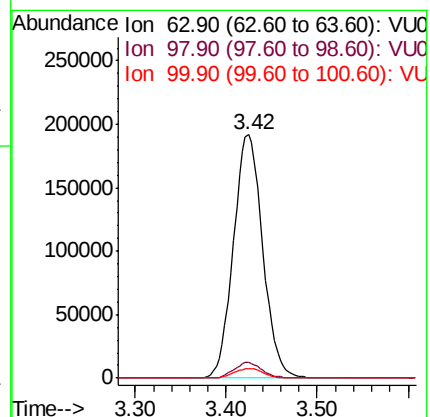
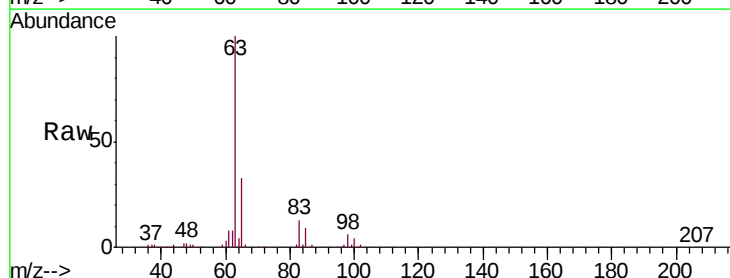
Tgt Ion: 63 Resp: 428180

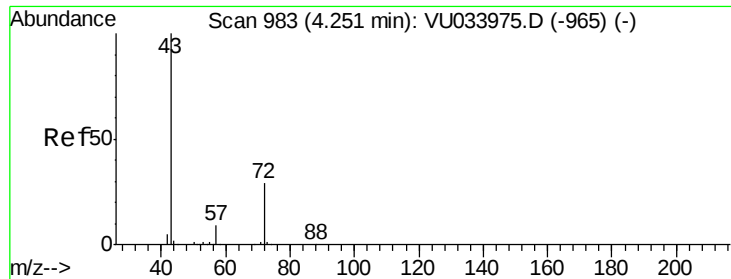
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 3.9 2.3 6.8

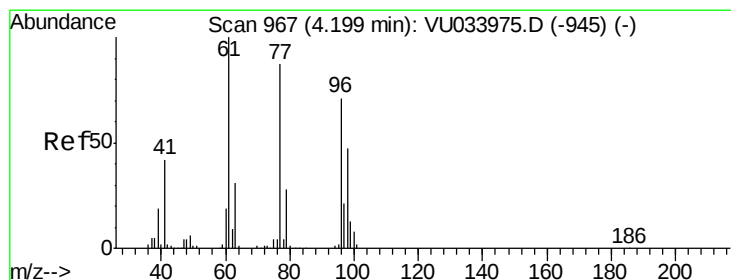
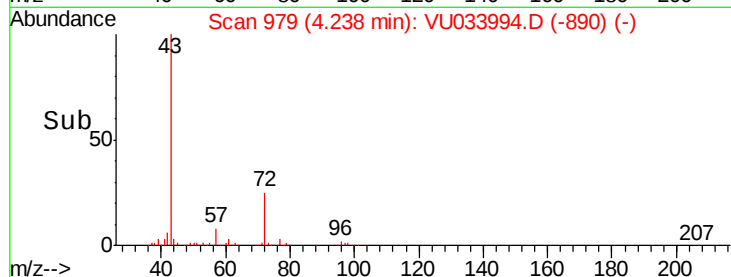
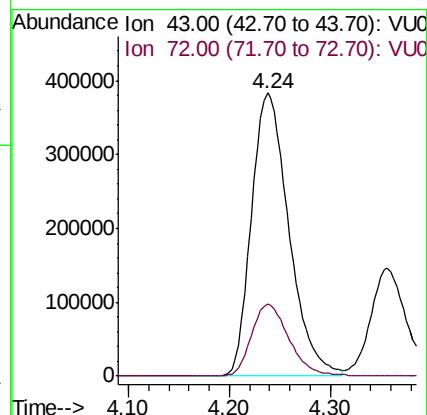
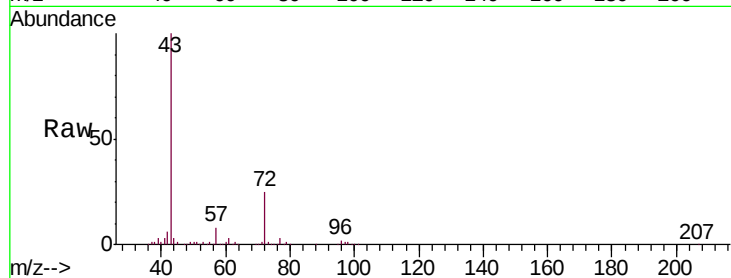




#25
2-Butanone
Concen: 334.193 ug/l
RT: 4.24 min Scan# 979
Delta R.T. -0.01 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

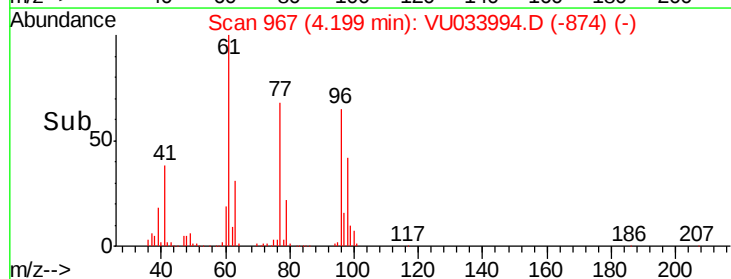
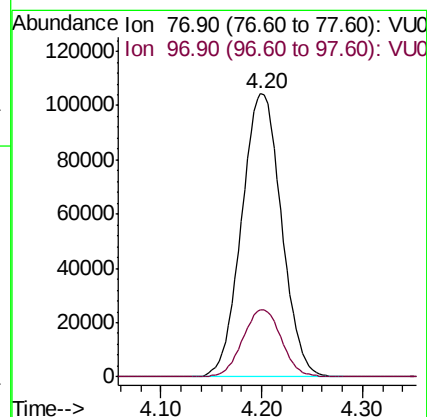
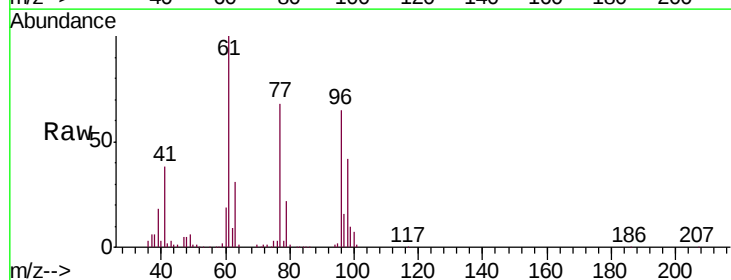
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

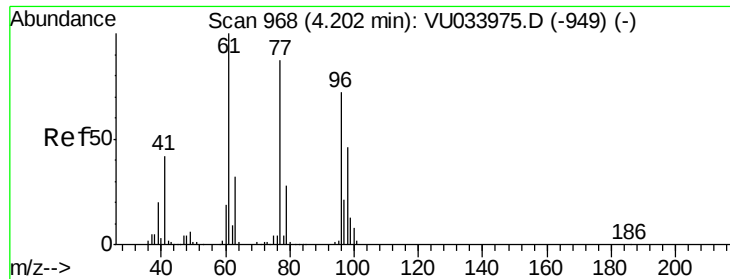
Tgt Ion: 43 Resp: 981731
Ion Ratio Lower Upper
43 100
72 25.4 22.9 34.3



#26
2,2-Dichloropropane
Concen: 48.942 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 77 Resp: 286078
Ion Ratio Lower Upper
77 100
97 23.2 12.0 36.0



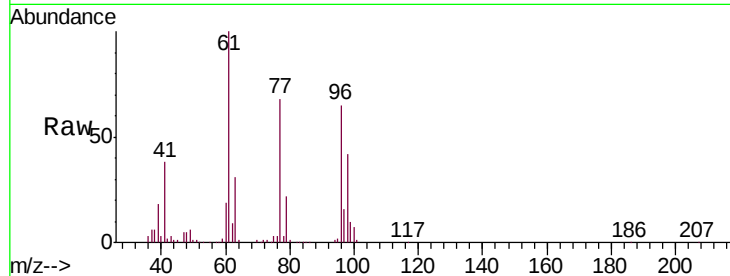


#27

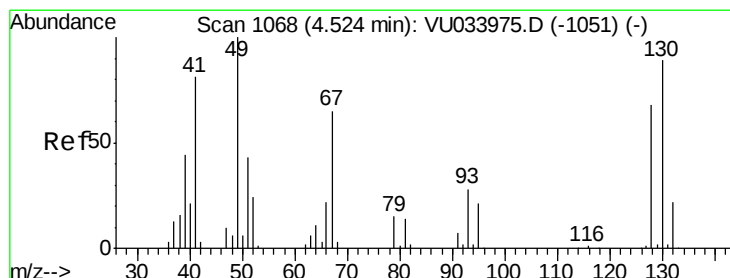
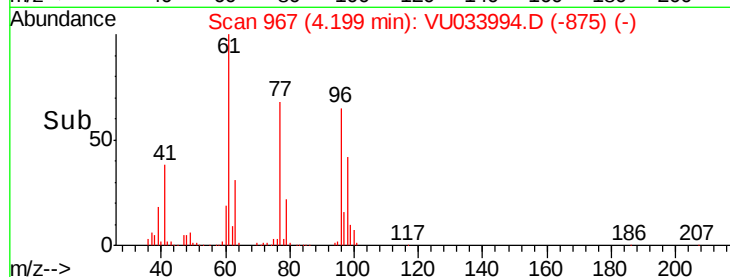
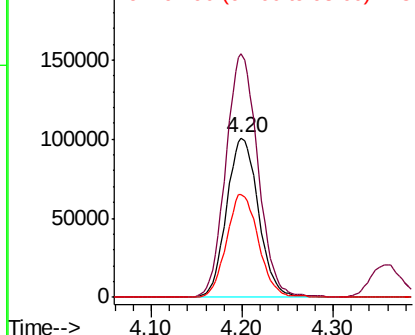
cis-1,2-Dichloroethene
Concen: 56.763 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 245894
Ion Ratio Lower Upper
96 100
61 154.0 0.0 287.2
98 64.9 0.0 131.8



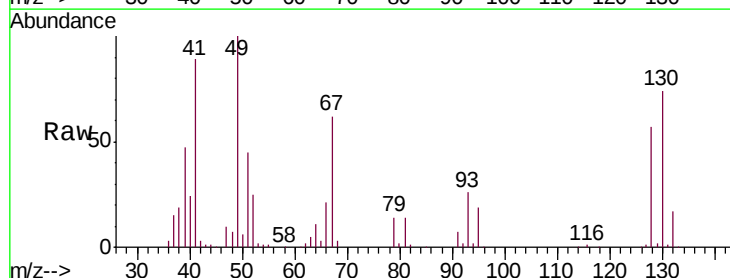
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



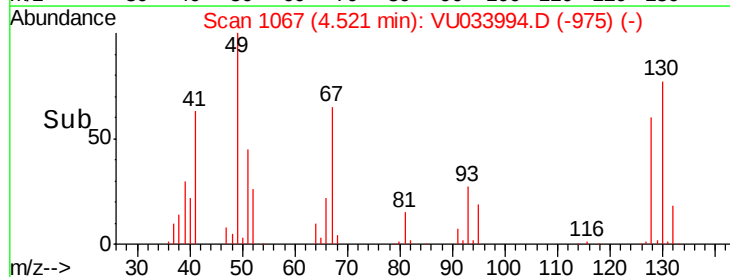
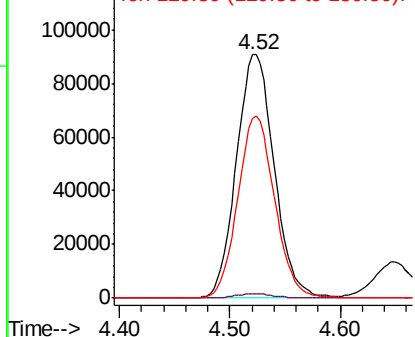
#28

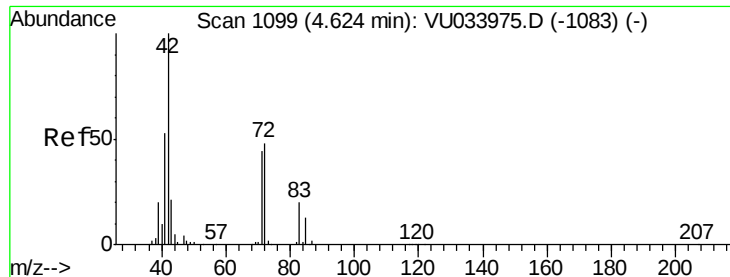
Bromochloromethane
Concen: 67.953 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 49 Resp: 216137
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.6
130 73.0 71.0 106.6



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 346.597 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

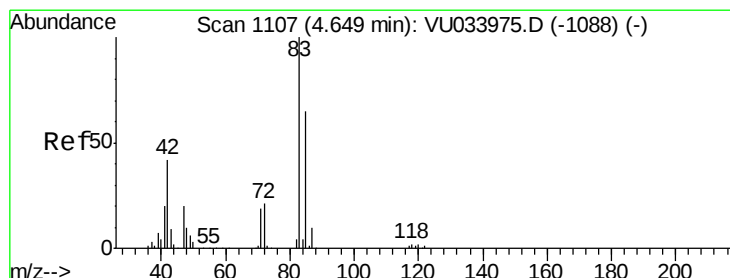
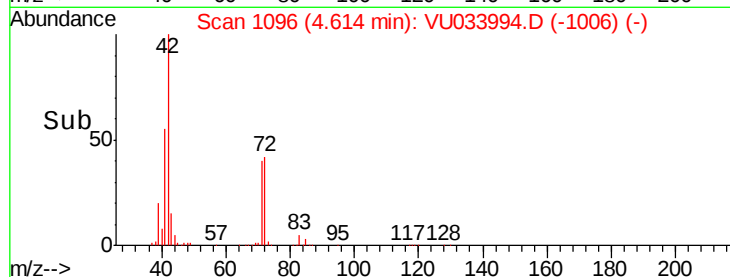
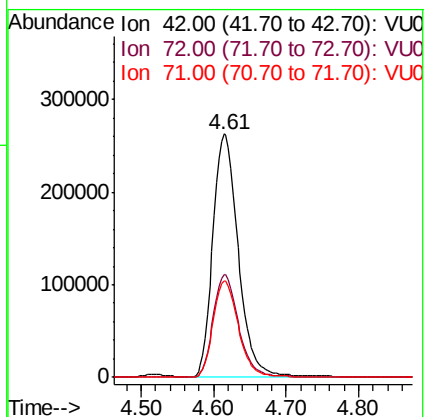
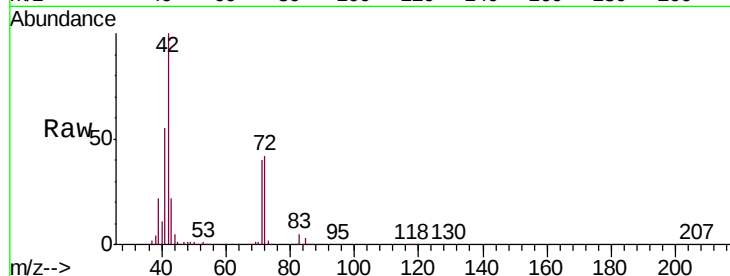
Tgt Ion: 42 Resp: 636837

Ion Ratio Lower Upper

42 100

72 42.4 38.9 58.3

71 39.8 35.7 53.5



#30

Chloroform

Concen: 58.425 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033994.D

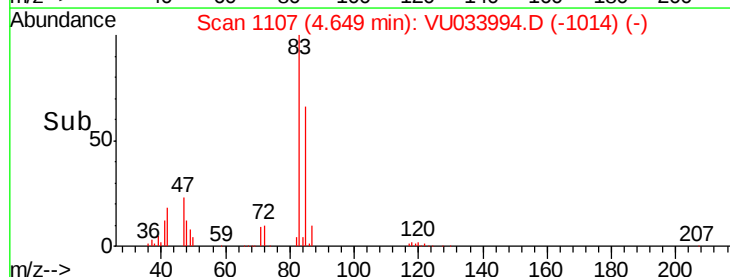
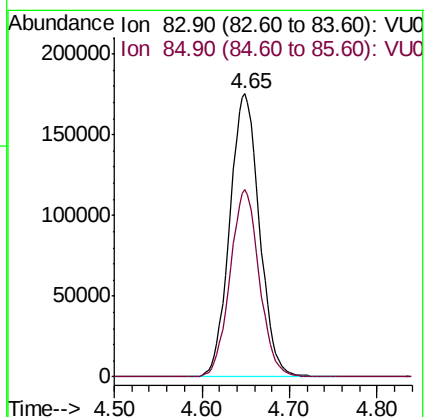
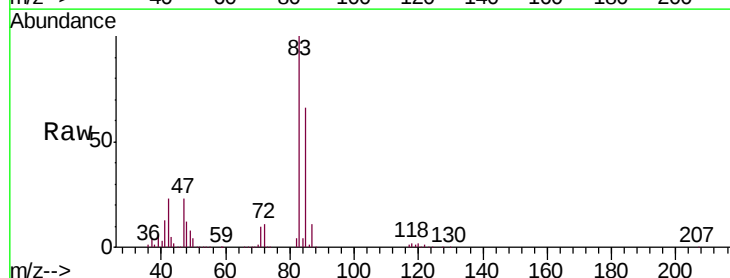
Acq: 27 Aug 2019 23:52

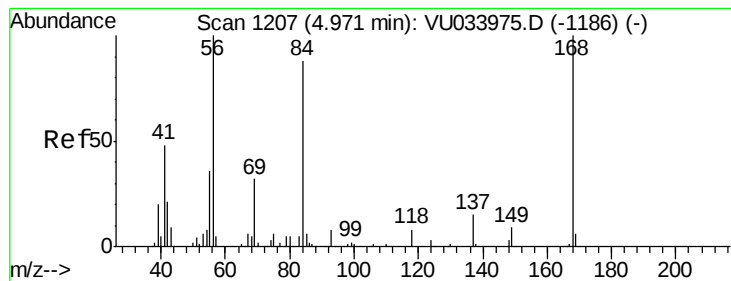
Tgt Ion: 83 Resp: 413583

Ion Ratio Lower Upper

83 100

85 66.1 52.1 78.1





#31

Cyclohexane

Concen: 61.998 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

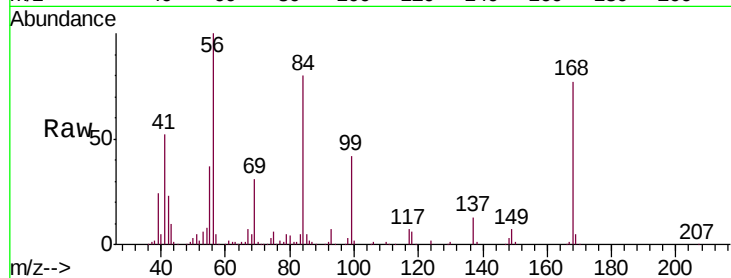
Tgt Ion: 56 Resp: 391380

Ion Ratio Lower Upper

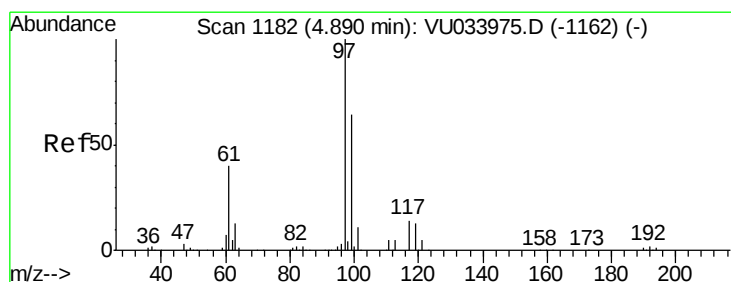
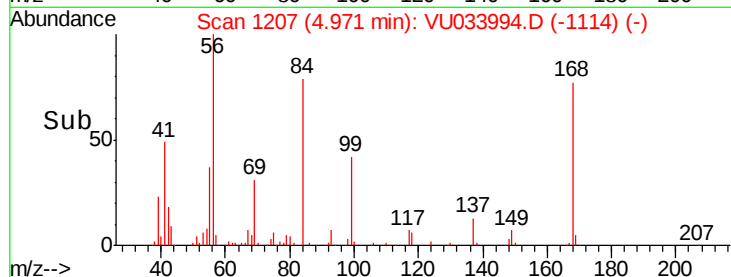
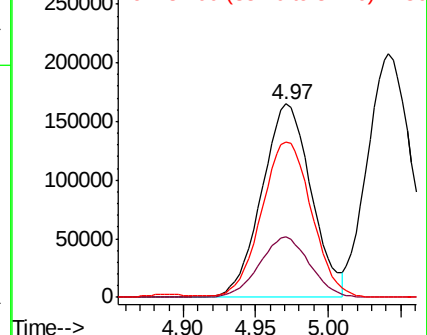
56 100

69 31.2 25.9 38.9

84 79.6 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 58.446 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

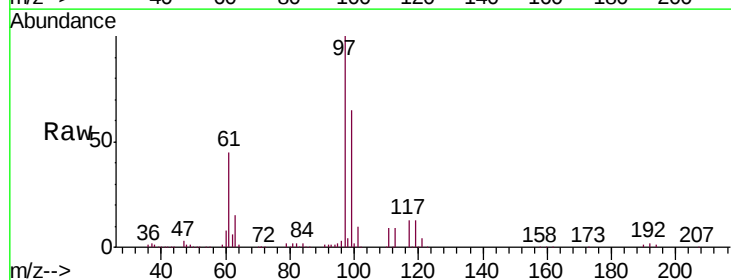
Tgt Ion: 97 Resp: 348300

Ion Ratio Lower Upper

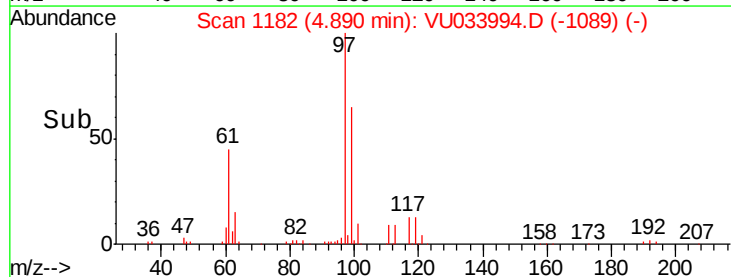
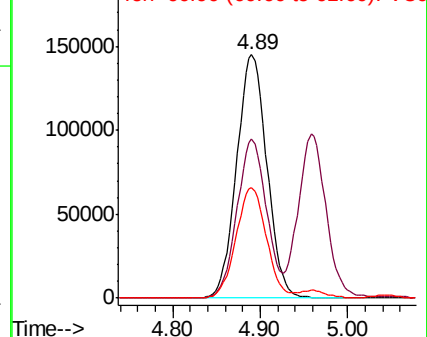
97 100

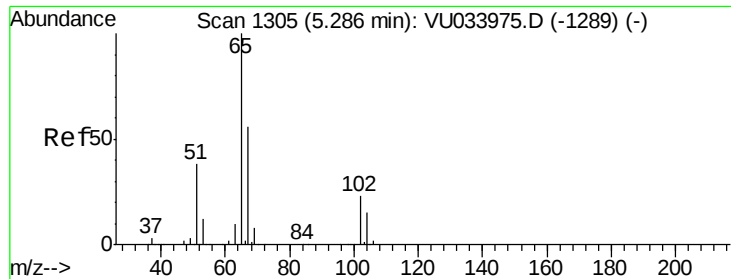
99 64.0 51.6 77.4

61 45.5 32.7 49.1



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

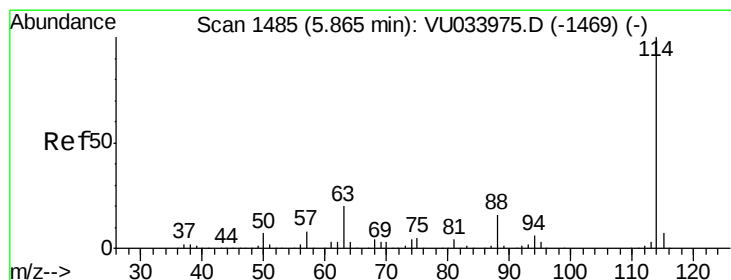
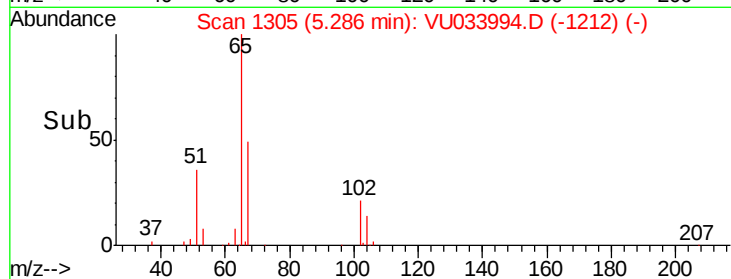
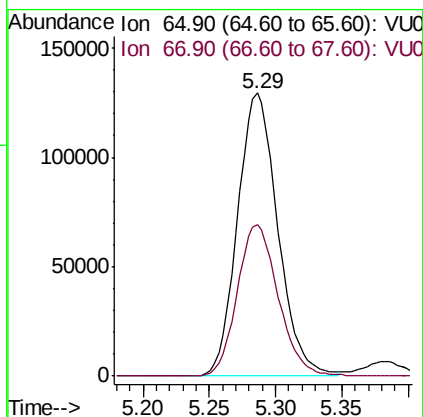
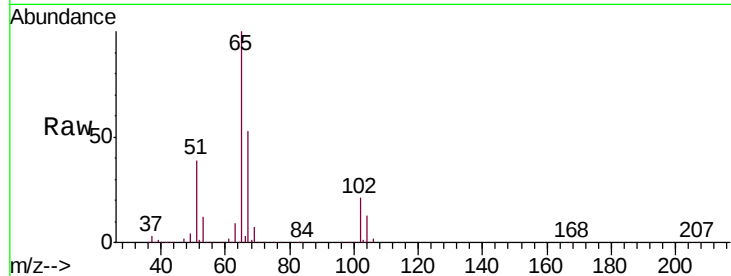




#33
 1,2-Dichloroethane-d4
 Concen: 63.846 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

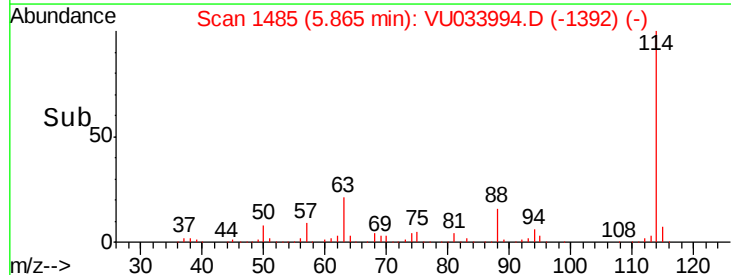
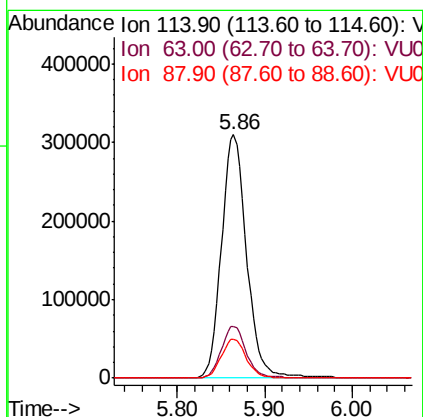
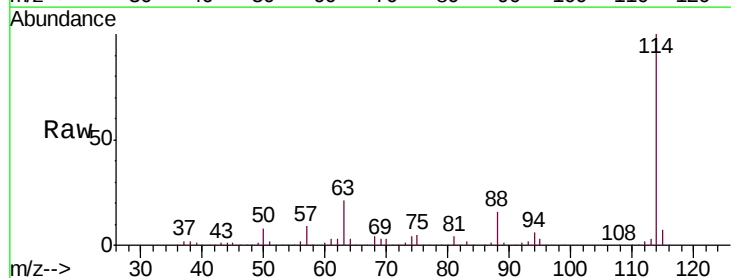
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

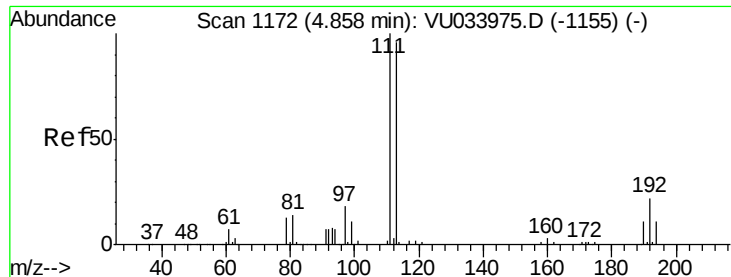
Tgt Ion: 65 Resp: 273348
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 114 Resp: 620001
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 16.1 0.0 31.2

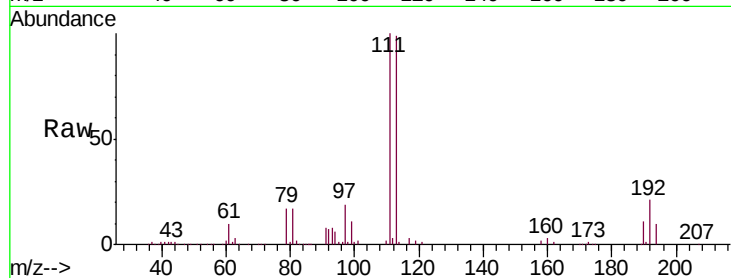




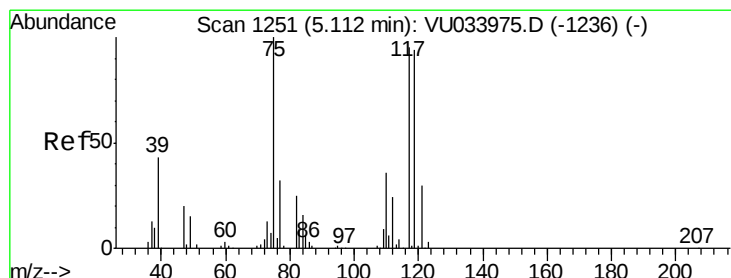
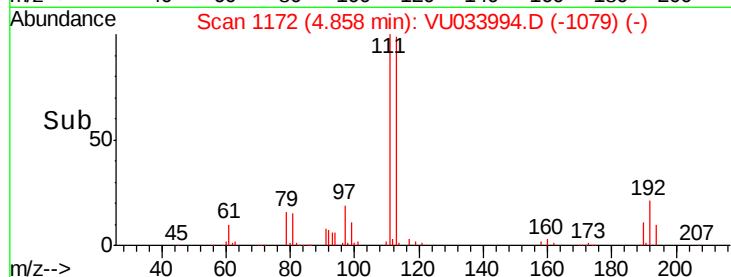
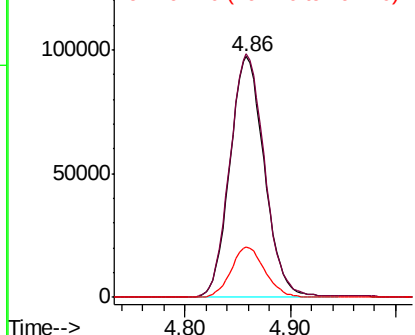
#35
 Dibromofluoromethane
 Concen: 52.901 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	220469		
111	102.1		81.7	122.5
192	20.4		18.6	27.8

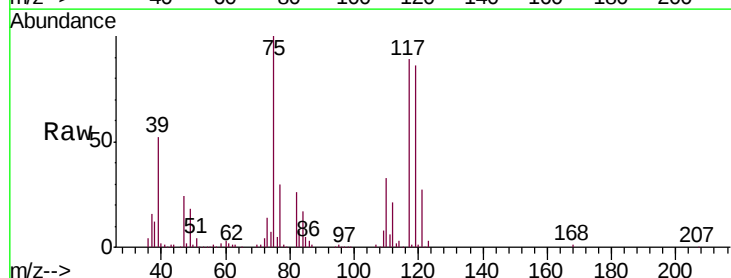


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

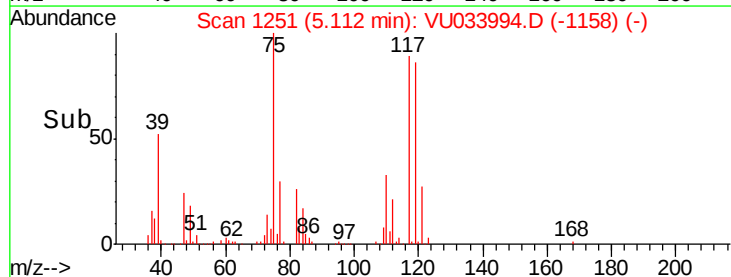
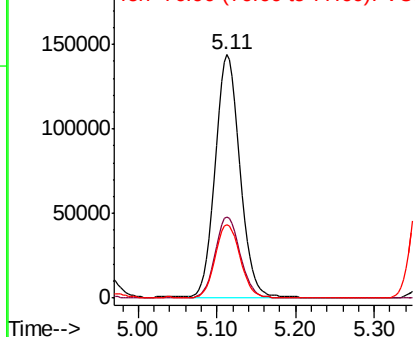


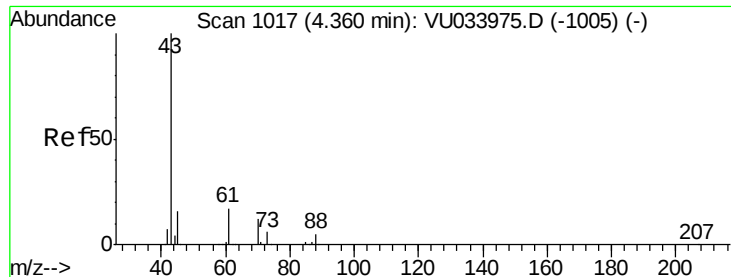
#36
 1,1-Dichloropropene
 Concen: 54.686 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310540		
110	34.0		18.2	54.6
77	30.4		24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

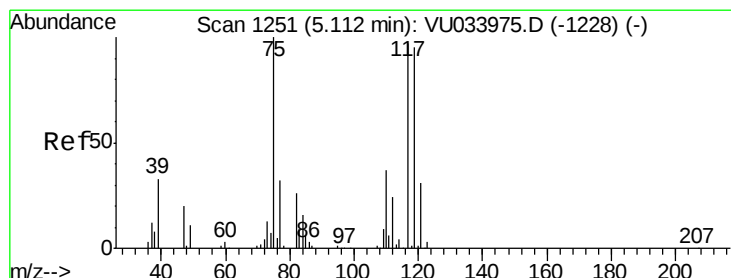
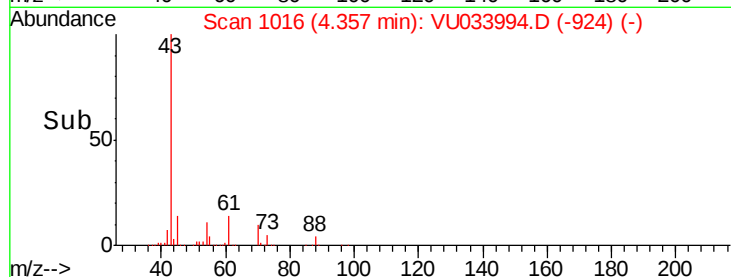
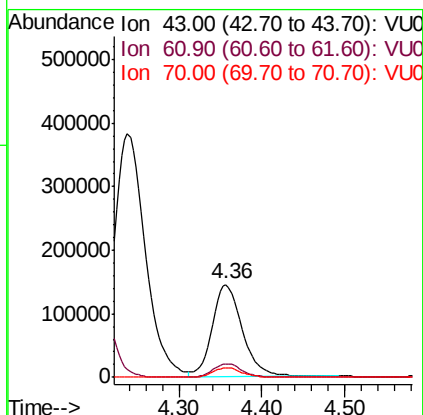
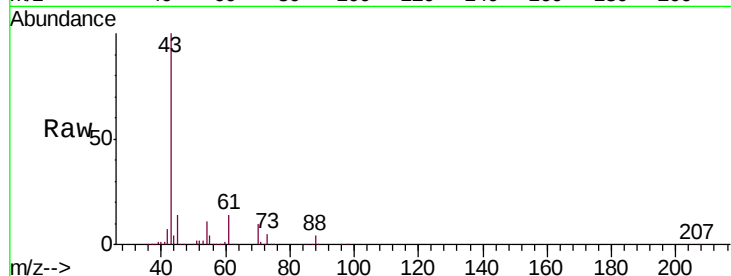




#37
Ethyl Acetate
Concen: 63.993 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

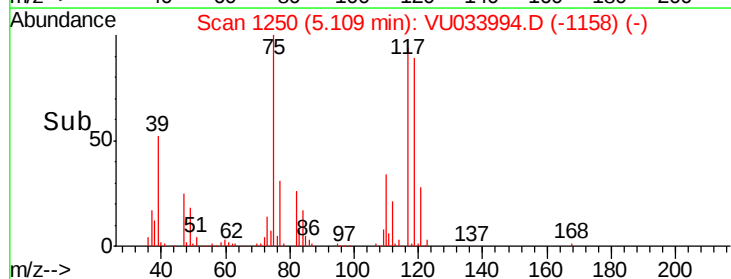
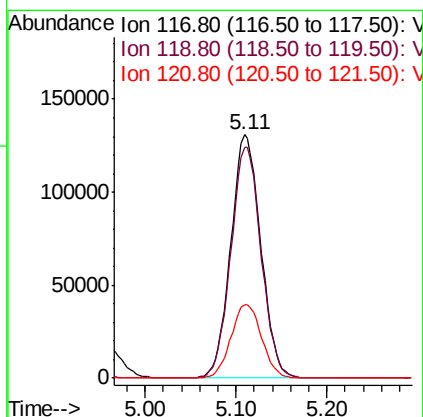
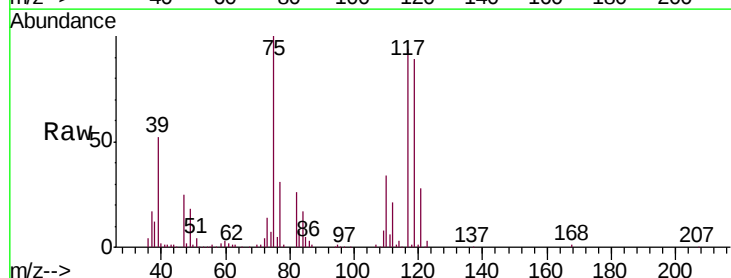
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

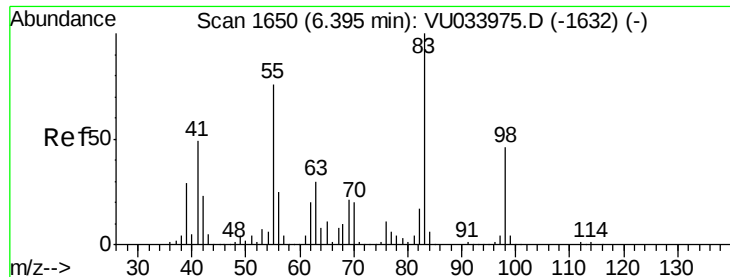
Tgt Ion: 43 Resp: 364487
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 10.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 51.625 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 117 Resp: 298764
Ion Ratio Lower Upper
117 100
119 94.7 78.4 117.6
121 30.2 25.4 38.2

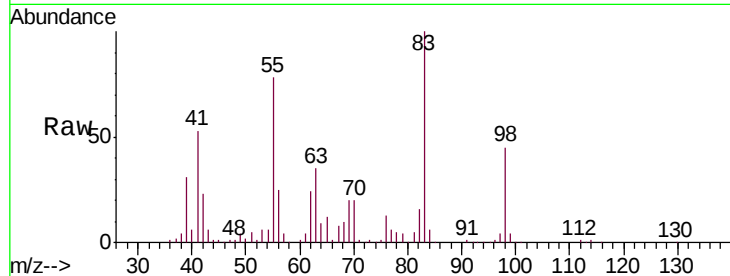




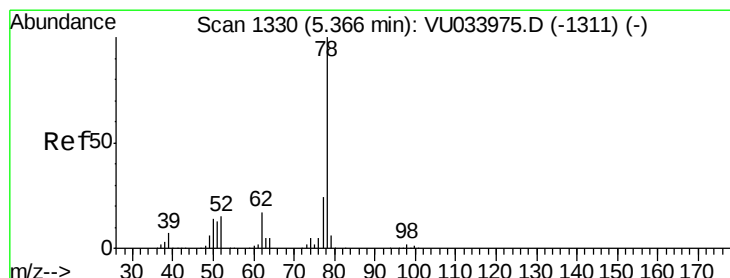
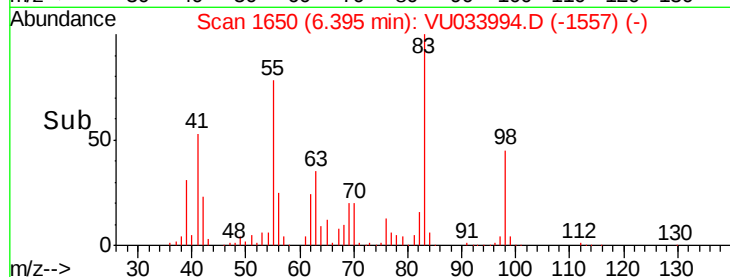
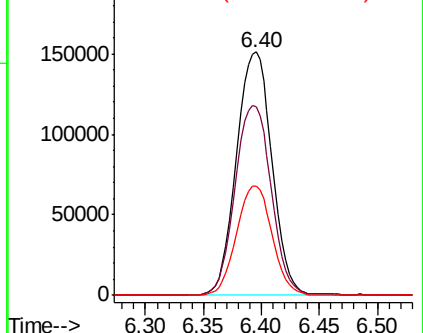
#39
Methylcyclohexane
Concen: 47.968 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 322319
Ion Ratio Lower Upper
83 100
55 77.6 60.8 91.2
98 45.0 36.5 54.7

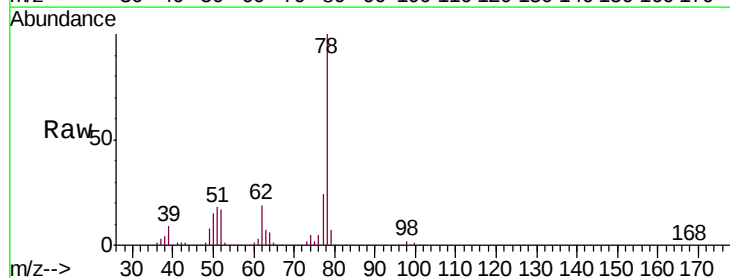


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

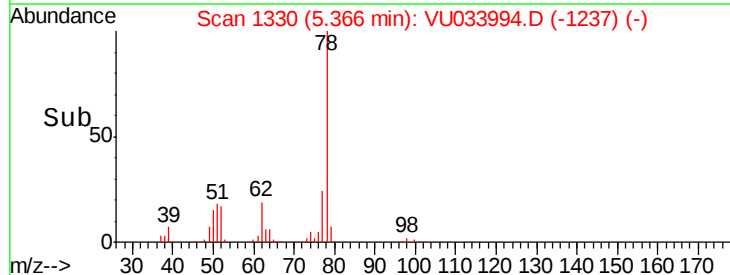
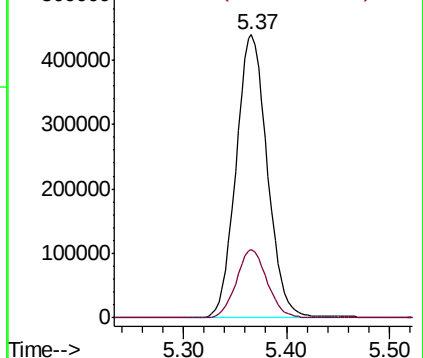


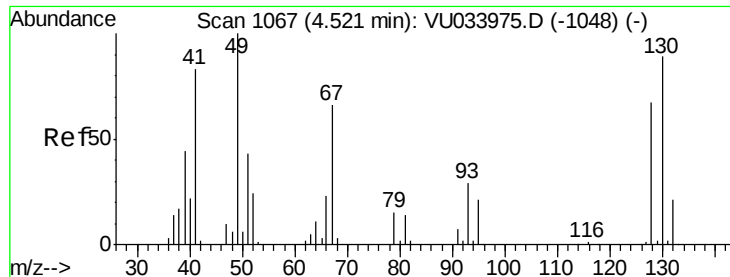
#40
Benzene
Concen: 54.934 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 78 Resp: 927489
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8



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

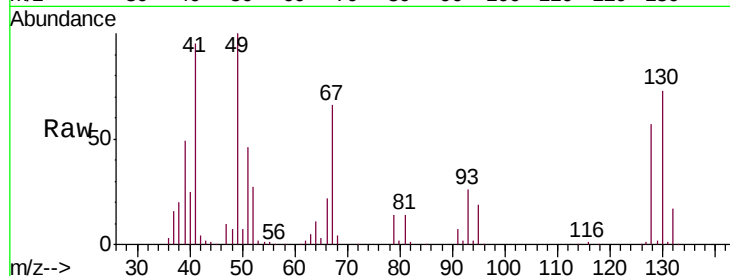




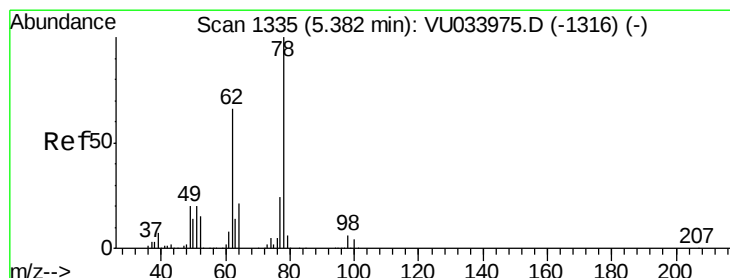
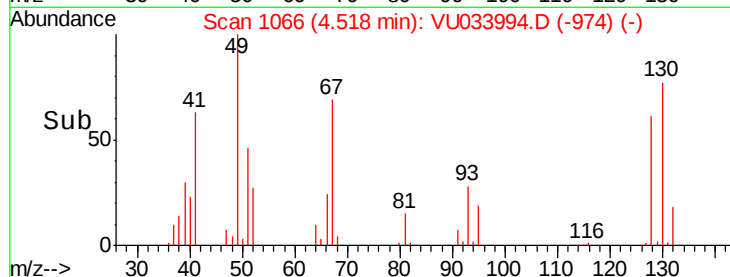
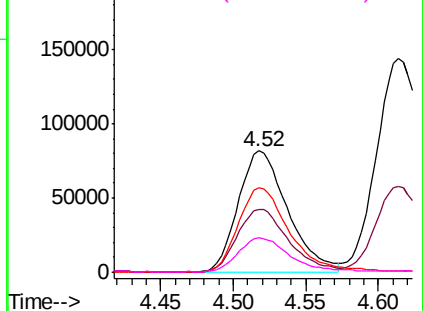
#41
Methacrylonitrile
Concen: 65.487 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 193280
Ion Ratio Lower Upper
41 100
39 53.5 41.5 62.3
67 73.3 65.0 97.6
52 28.6 23.3 34.9

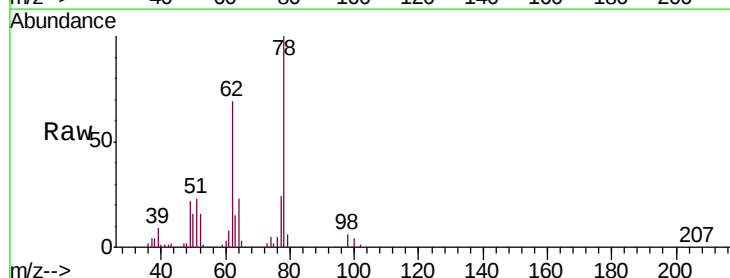


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

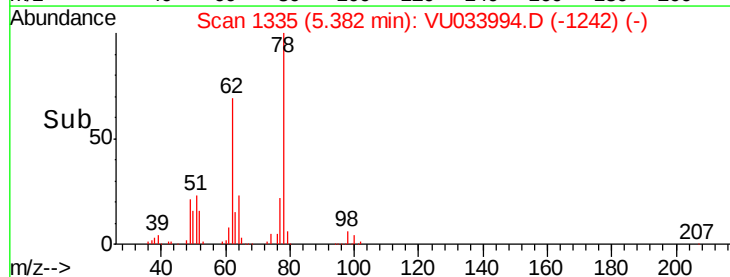
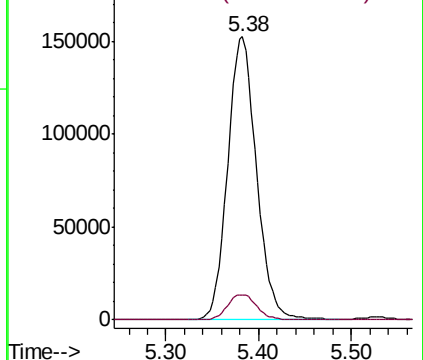


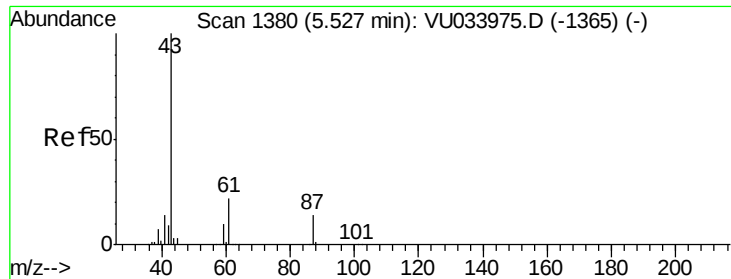
#42
1,2-Dichloroethane
Concen: 57.625 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 62 Resp: 329001
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 63.277 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

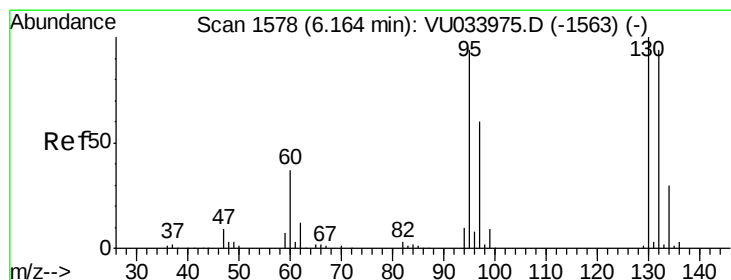
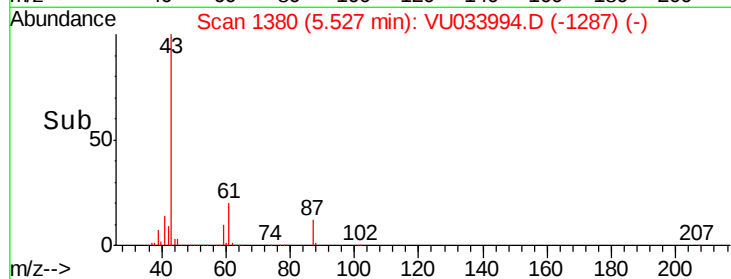
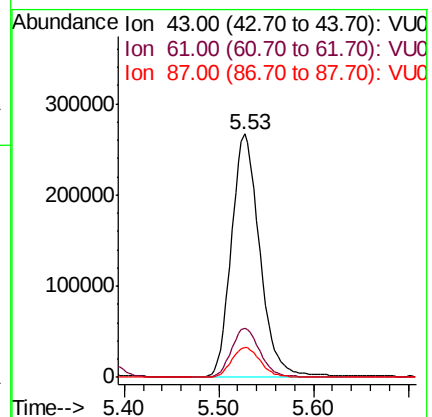
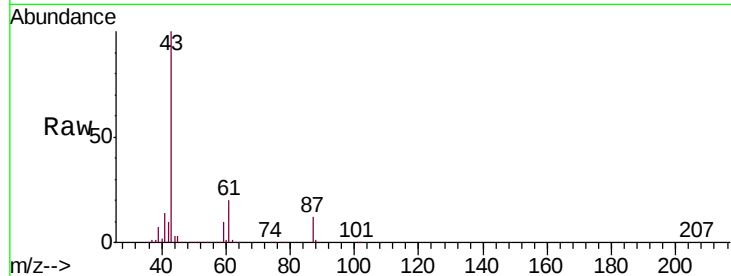
Tgt Ion: 43 Resp: 552603

Ion Ratio Lower Upper

43 100

61 20.5 17.8 26.8

87 12.7 11.9 17.9



#44

Trichloroethene

Concen: 47.035 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033994.D

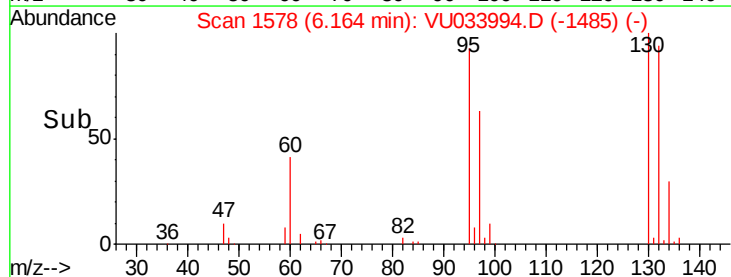
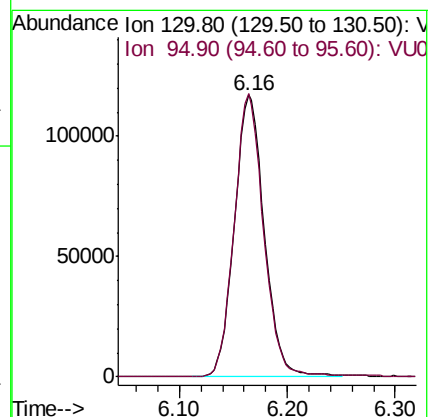
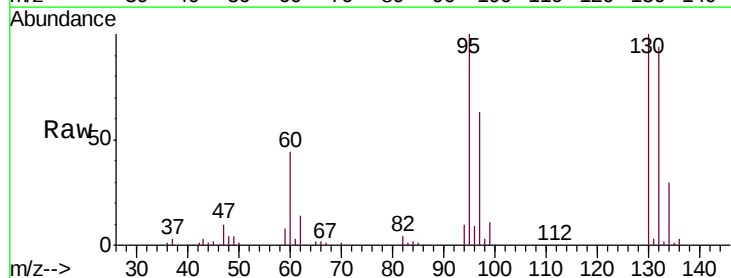
Acq: 27 Aug 2019 23:52

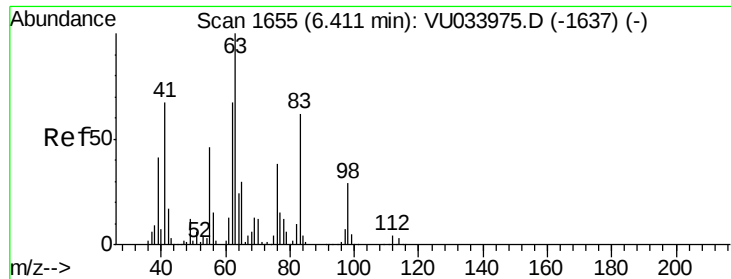
Tgt Ion: 130 Resp: 226433

Ion Ratio Lower Upper

130 100

95 100.4 0.0 187.6

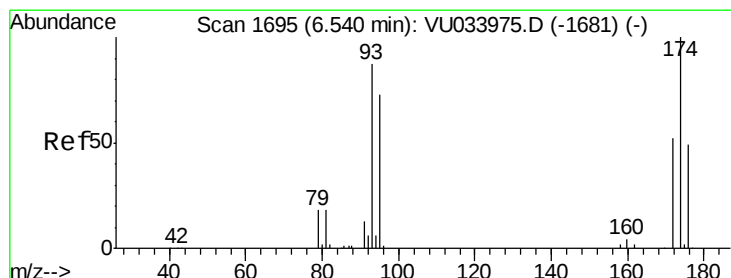
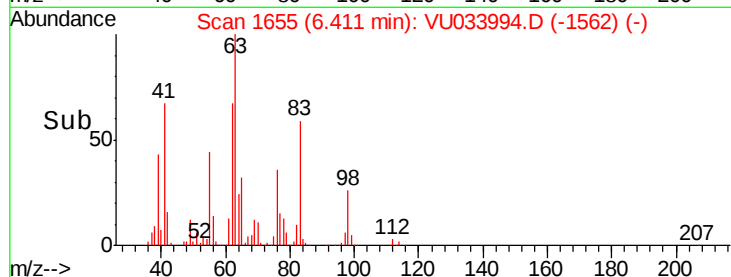
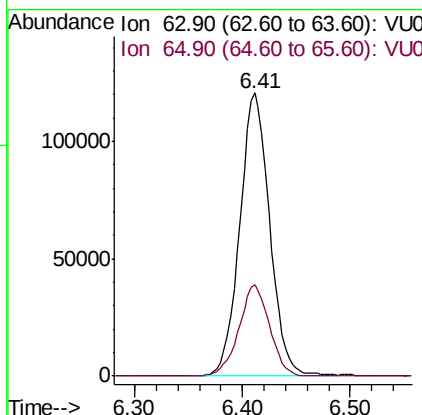
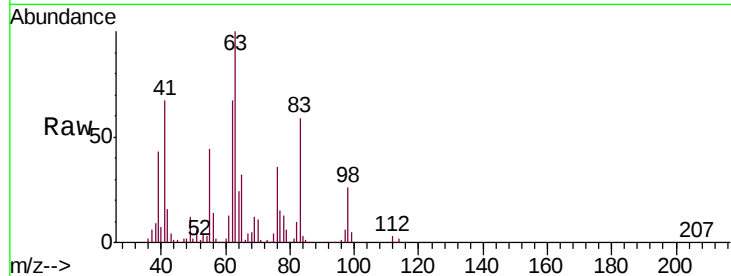




#45
 1,2-Dichloropropane
 Concen: 51.658 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

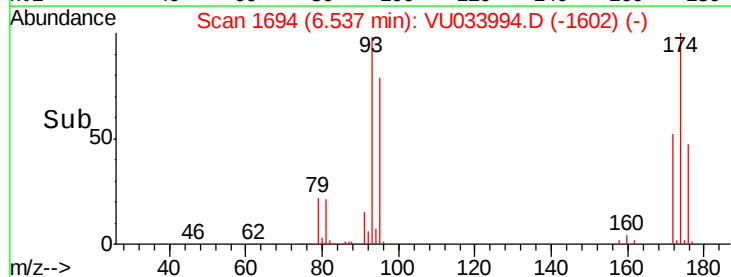
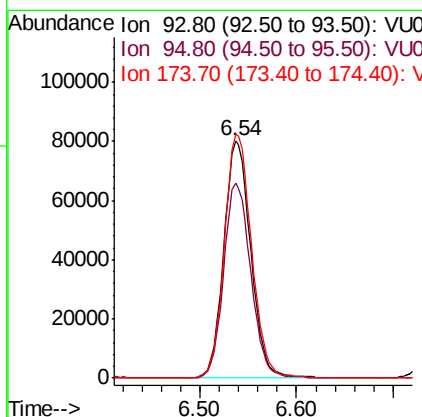
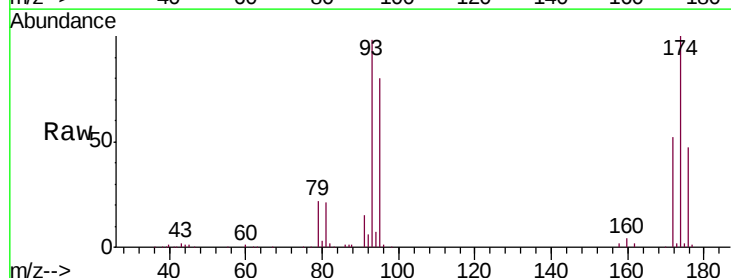
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

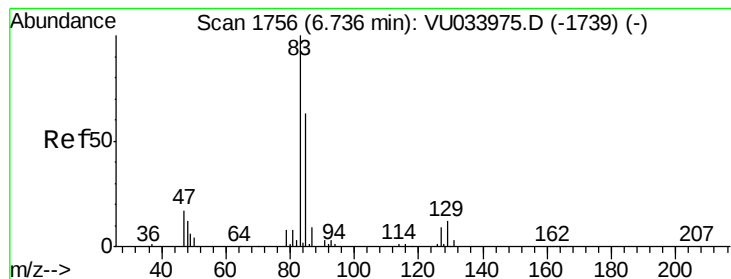
Tgt Ion: 63 Resp: 233342
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5



#46
 Dibromomethane
 Concen: 50.482 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 93 Resp: 155078
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.2 99.4
 174 103.5 92.2 138.2





#47

Bromodichloromethane

Concen: 50.459 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

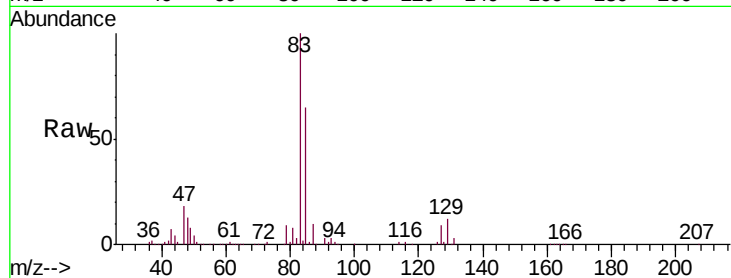
Tgt Ion: 83 Resp: 295239

Ion Ratio Lower Upper

83 100

85 65.3 50.6 76.0

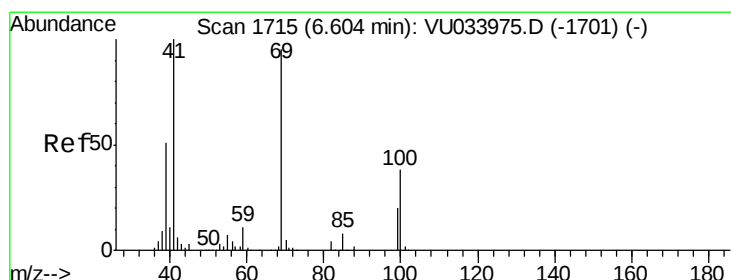
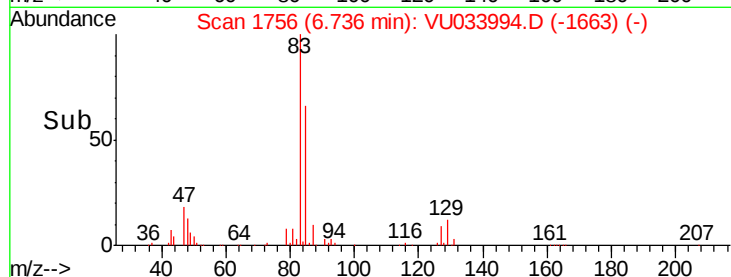
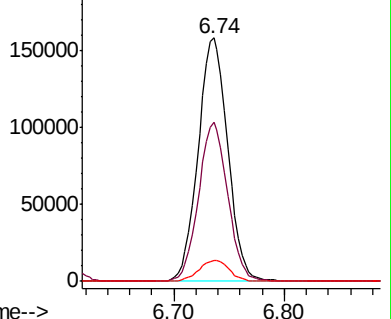
127 8.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VU033994.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU033994.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU033994.D (-1663) (-)



#48

Methyl methacrylate

Concen: 60.353 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

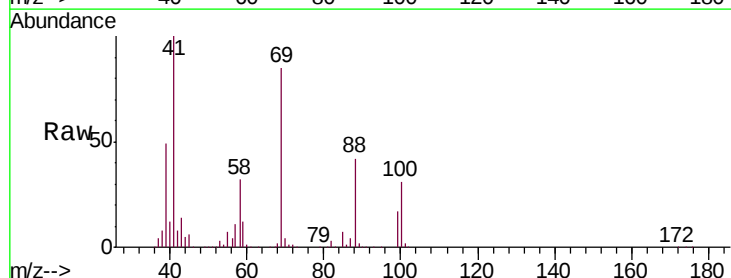
Tgt Ion: 41 Resp: 250598

Ion Ratio Lower Upper

41 100

69 85.9 76.3 114.5

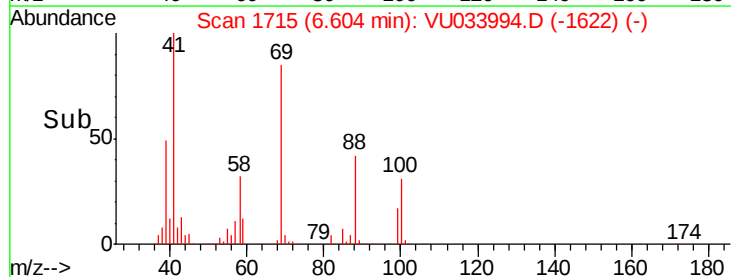
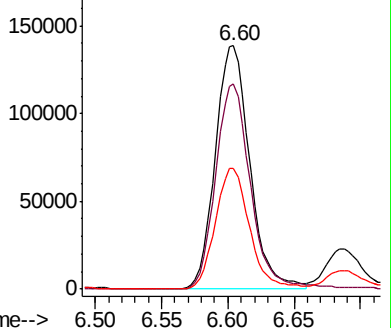
39 49.2 41.1 61.7

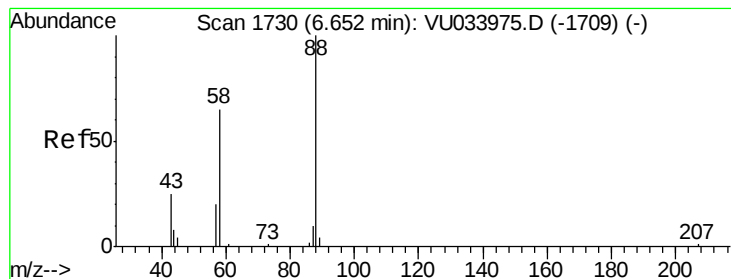


Abundance Ion 41.00 (40.70 to 41.70): VU033994.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU033994.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU033994.D (-1622) (-)





#49

1,4-Dioxane

Concen: 1115.697 ug/l

RT: 6.61 min Scan# 1716

Delta R.T. -0.04 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

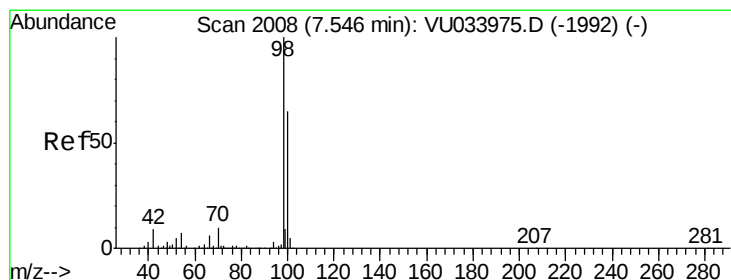
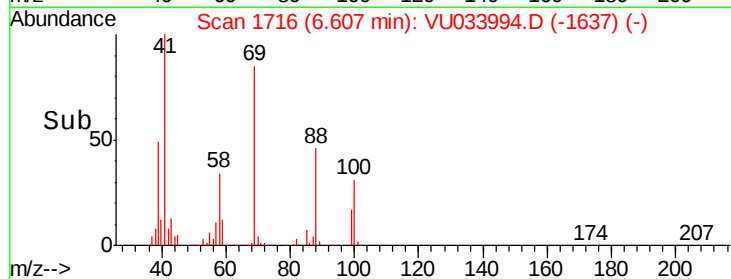
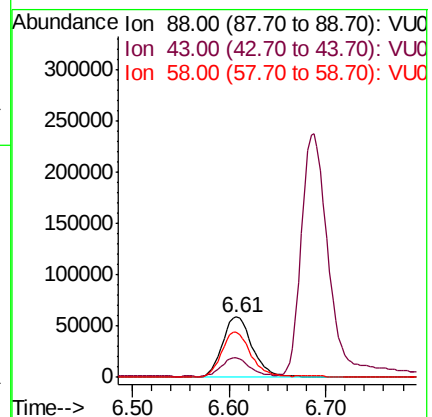
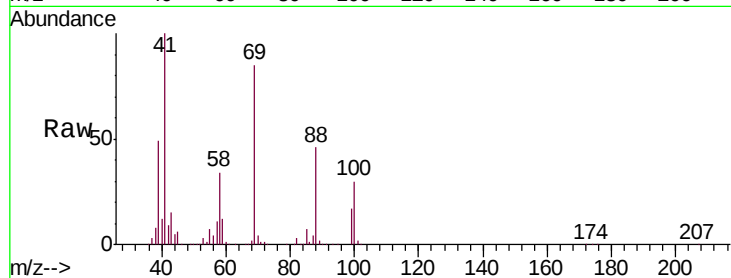
Tgt Ion: 88 Resp: 127138

Ion Ratio Lower Upper

88 100

43 28.9 0.0 0.0#

58 73.9 56.6 85.0



#50

Toluene-d8

Concen: 46.602 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU033994.D

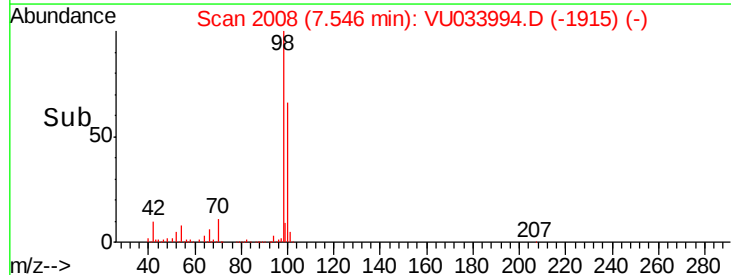
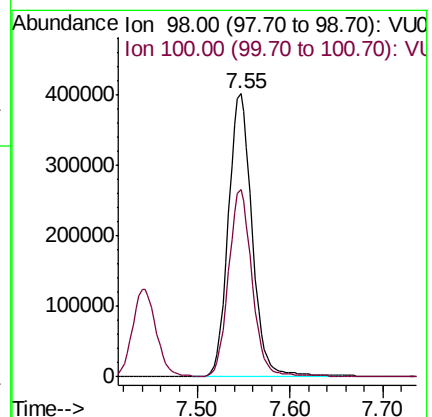
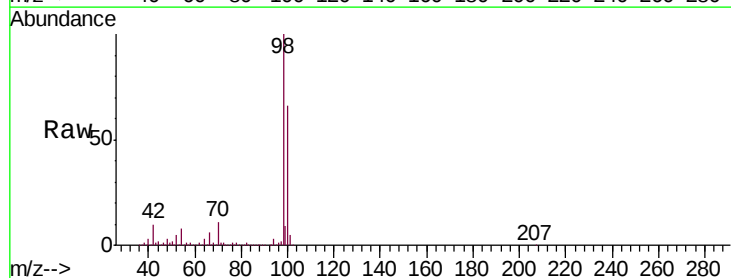
Acq: 27 Aug 2019 23:52

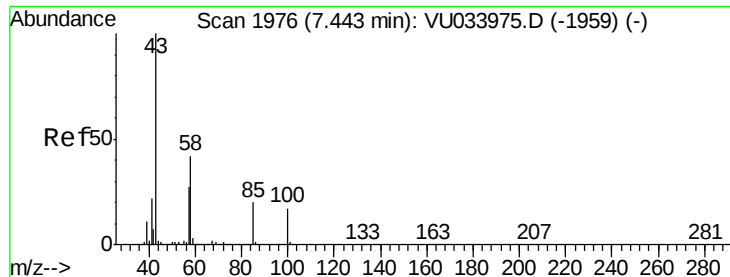
Tgt Ion: 98 Resp: 716372

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3

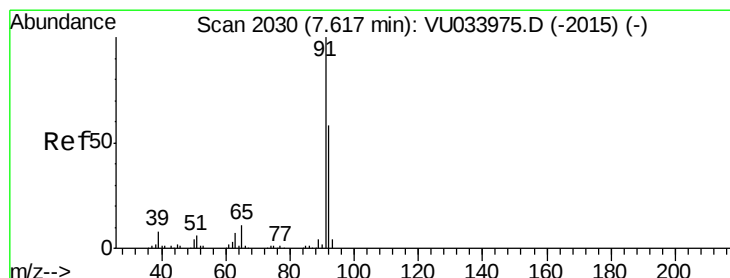
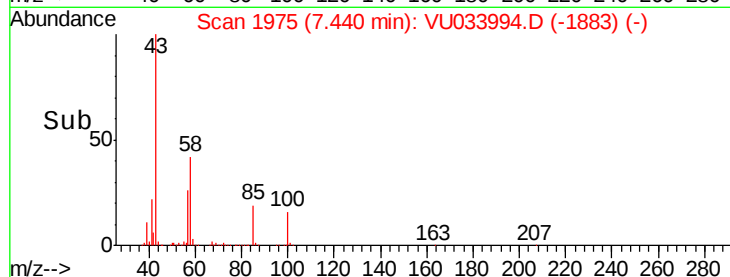
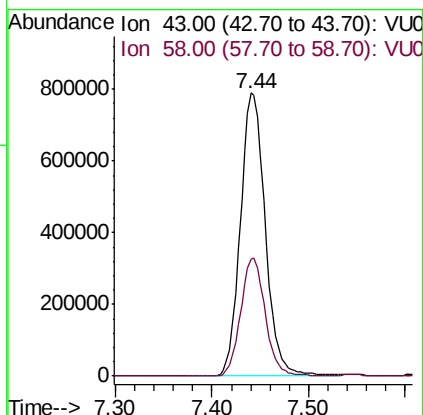
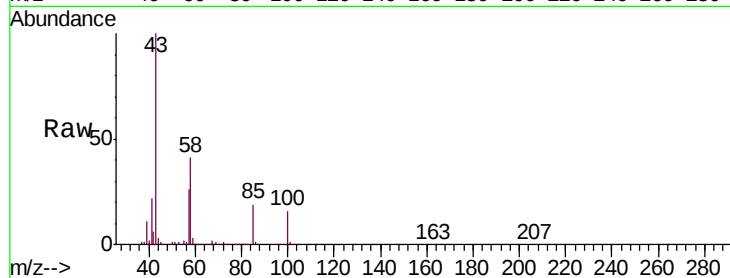




#51
 4-Methyl-2-Pentanone
 Concen: 233.792 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

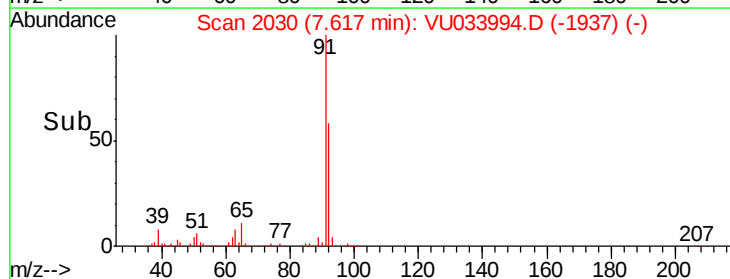
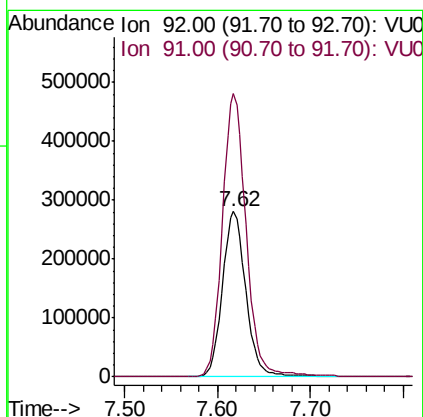
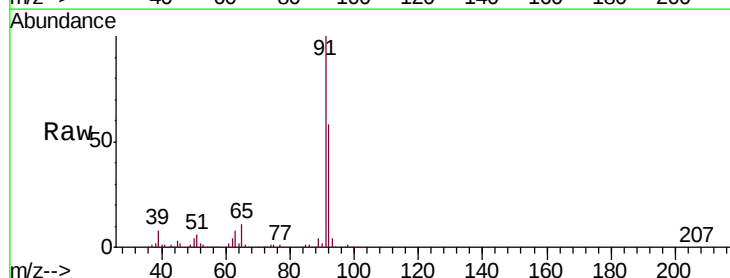
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

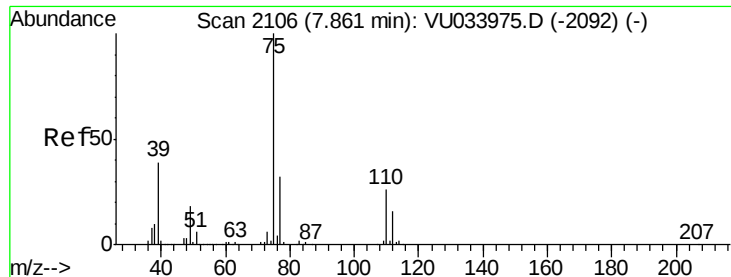
Tgt Ion: 43 Resp: 1407733
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.6 50.4



#52
 Toluene
 Concen: 46.419 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 92 Resp: 494185
 Ion Ratio Lower Upper
 92 100
 91 174.2 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 51.163 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

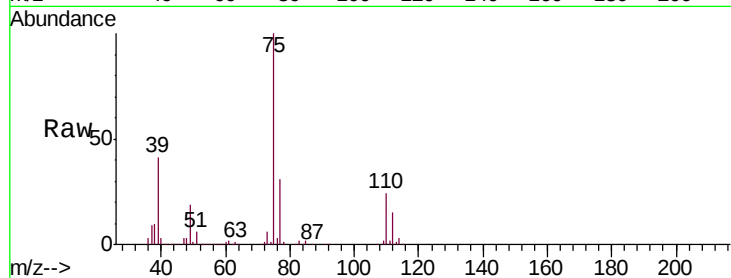
VSTDCCC050EC

Tgt Ion: 75 Resp: 331040

Ion Ratio Lower Upper

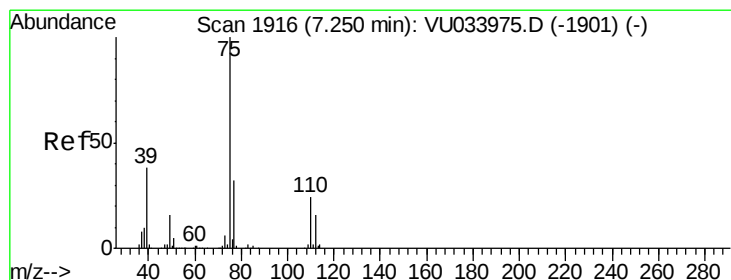
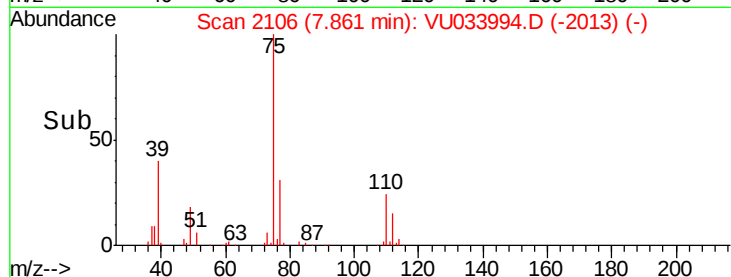
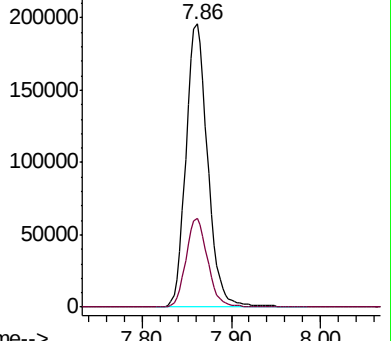
75 100

77 31.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 43.891 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

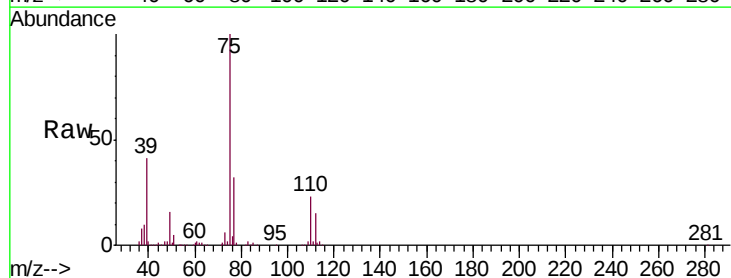
Tgt Ion: 75 Resp: 306991

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

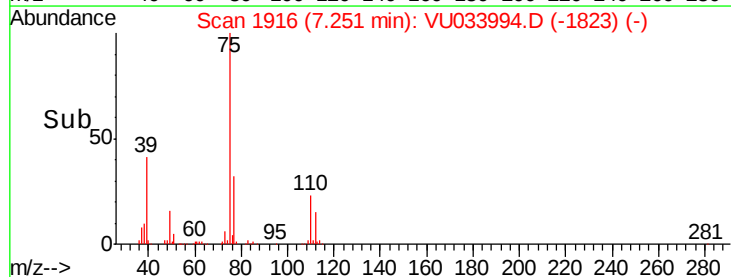
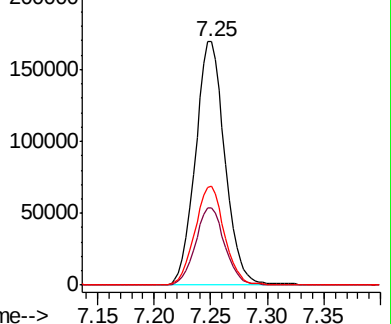
39 40.5 30.7 46.1

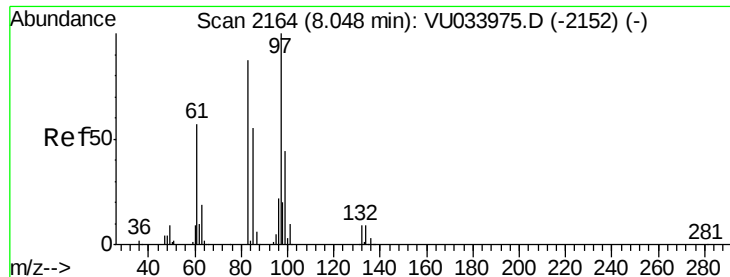


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 50.770 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 228386

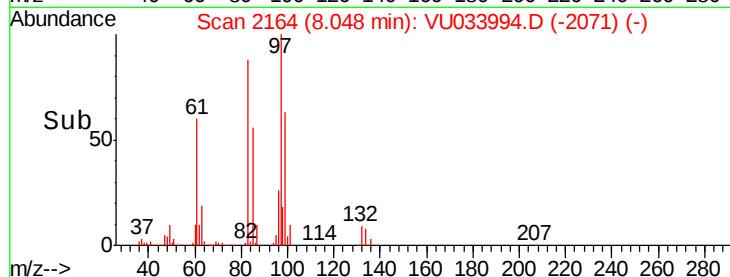
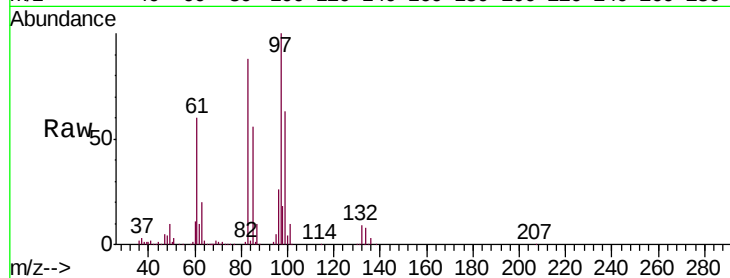
Ion Ratio Lower Upper

97 100

83 88.7 69.8 104.6

85 56.4 45.2 67.8

99 63.2 52.2 78.4

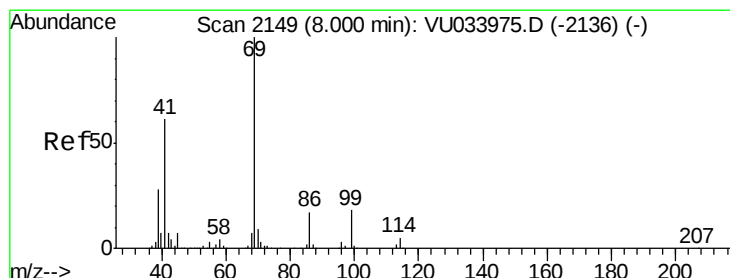
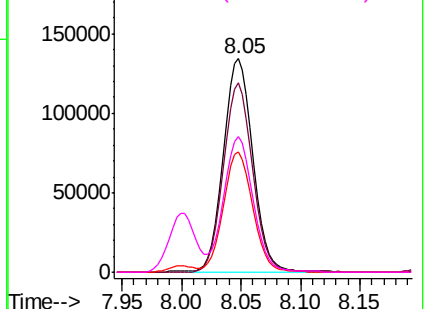


Abundance Ion 96.90 (96.60 to 97.60): VU0

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: 50.343 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

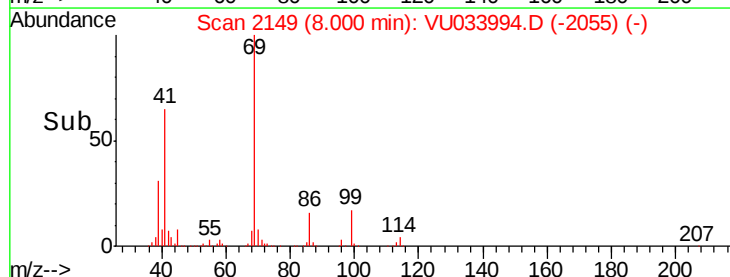
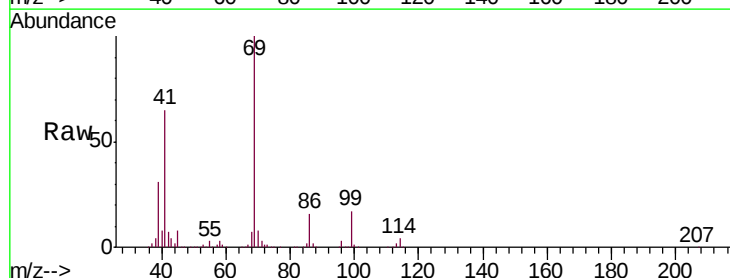
Tgt Ion: 69 Resp: 357151

Ion Ratio Lower Upper

69 100

41 65.9 48.6 72.8

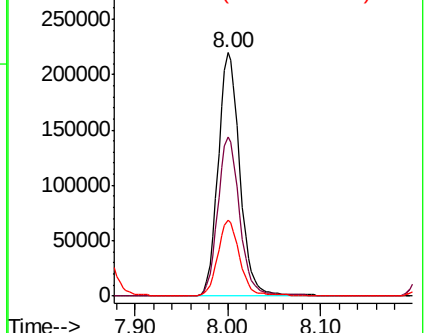
39 30.6 22.4 33.6

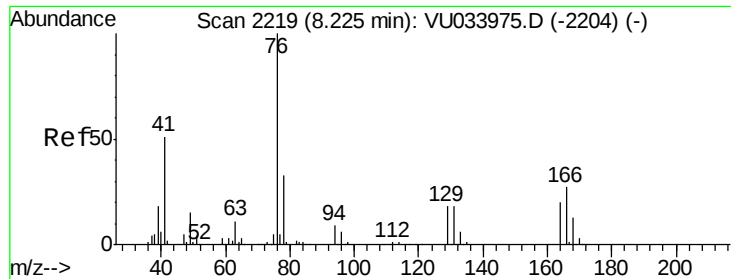


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

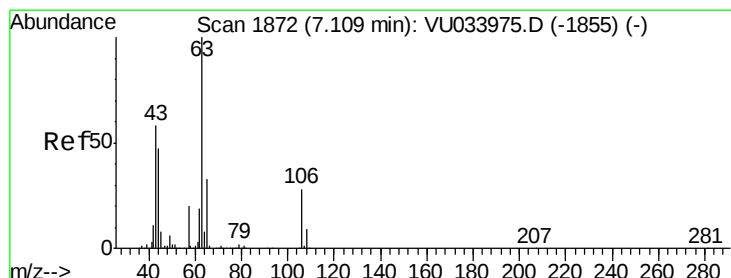
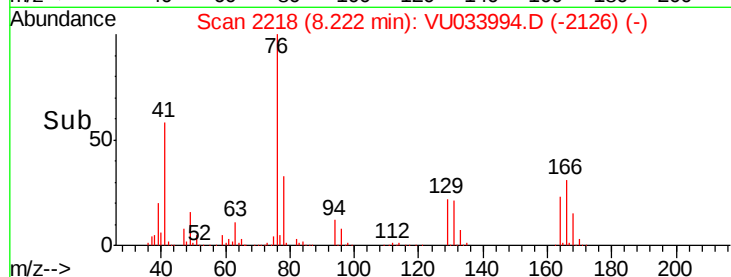
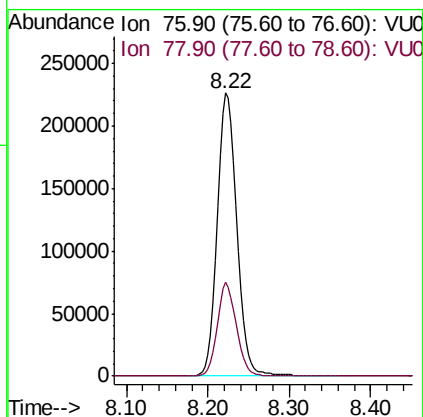
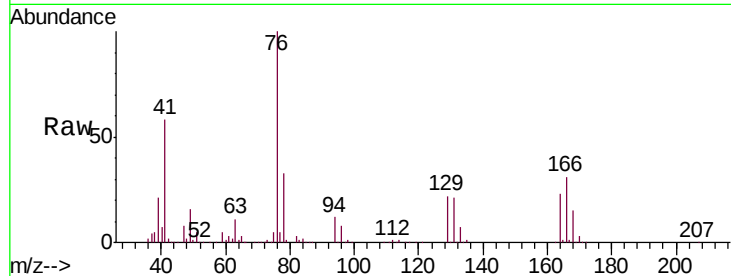




#57
 1,3-Dichloropropane
 Concen: 52.872 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

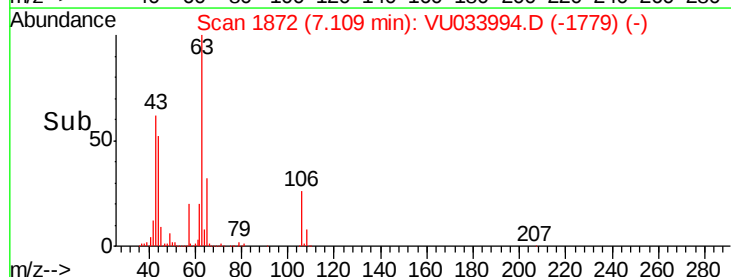
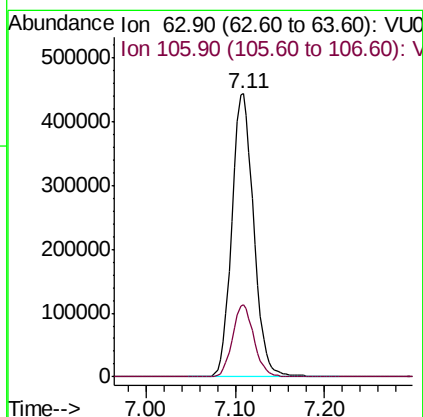
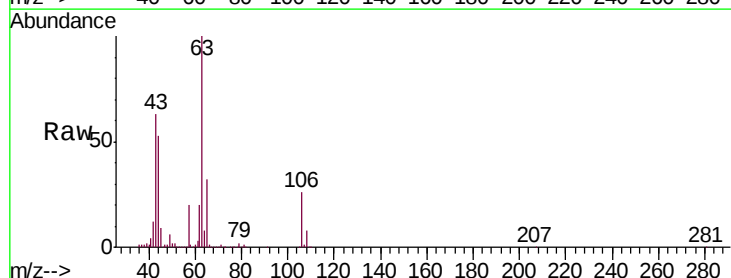
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

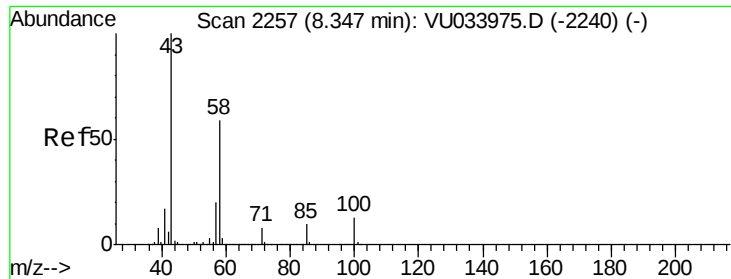
Tgt Ion: 76 Resp: 387610
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.637 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion: 63 Resp: 754167
 Ion Ratio Lower Upper
 63 100
 106 25.0 22.4 33.6

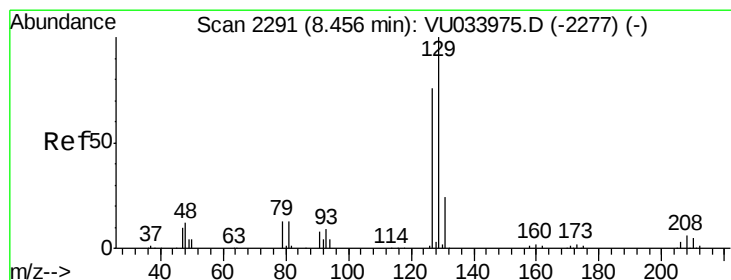
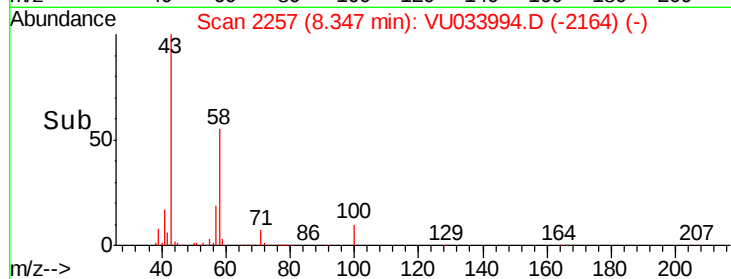
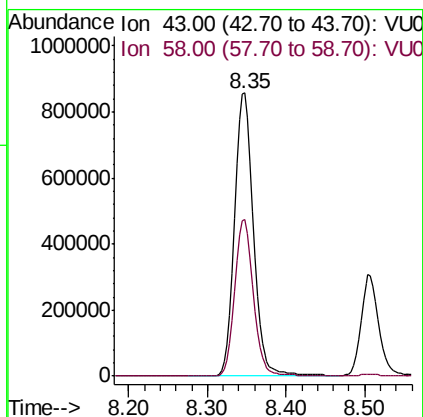
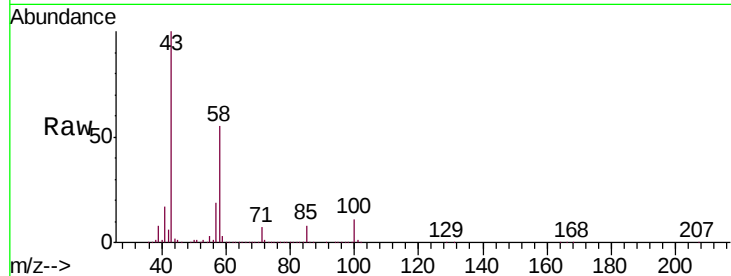




#59
2-Hexanone
Concen: 307.585 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

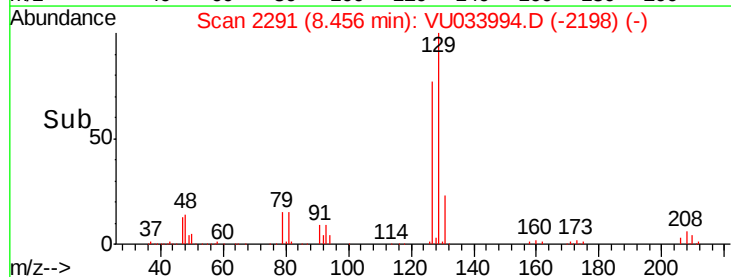
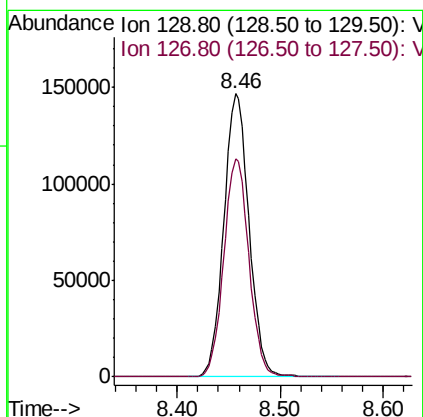
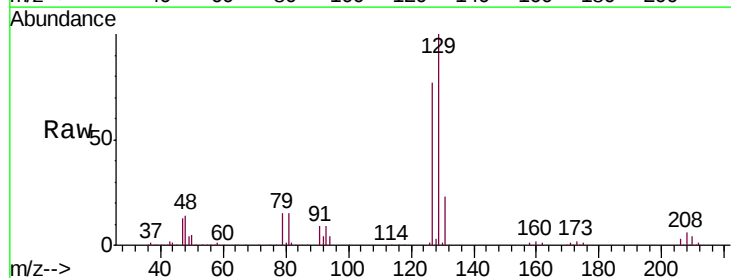
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

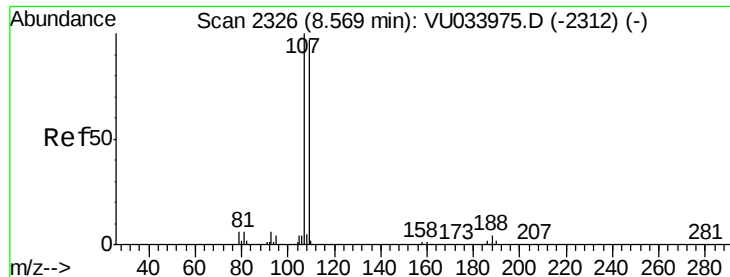
Tgt Ion: 43 Resp: 1423569
Ion Ratio Lower Upper
43 100
58 54.8 29.5 88.6



#60
Dibromochloromethane
Concen: 49.414 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 129 Resp: 249969
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 50.835 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

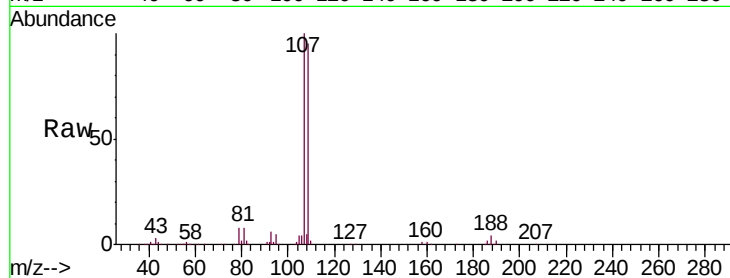
VSTDCCC050EC

Tgt Ion: 107 Resp: 241508

Ion Ratio Lower Upper

107 100

109 95.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

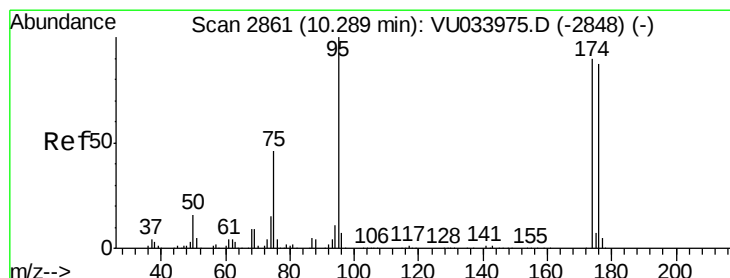
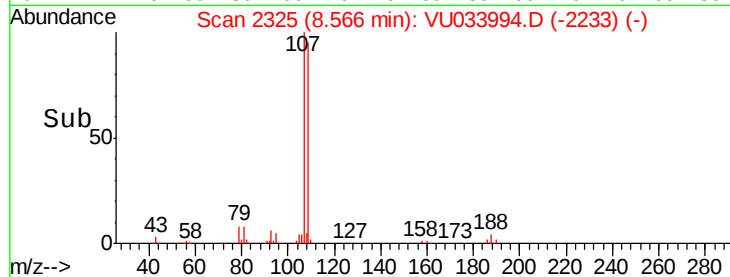
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.153 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

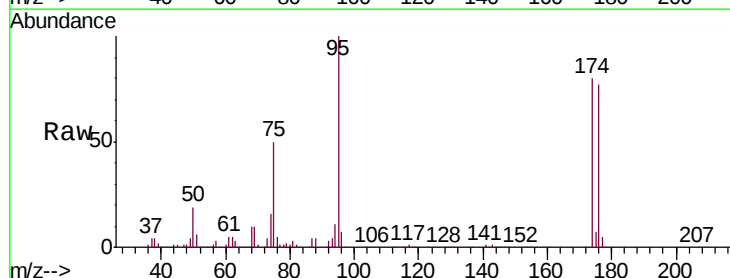
Tgt Ion: 95 Resp: 295737

Ion Ratio Lower Upper

95 100

174 81.3 0.0 183.8

176 78.3 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

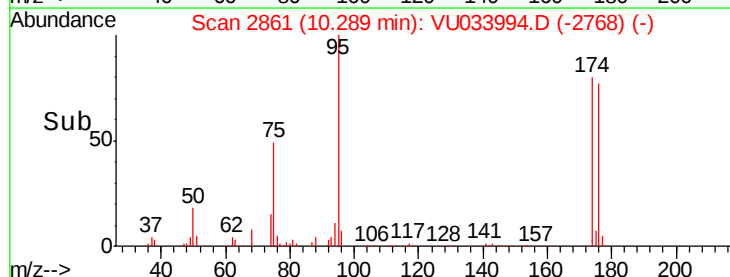
150000

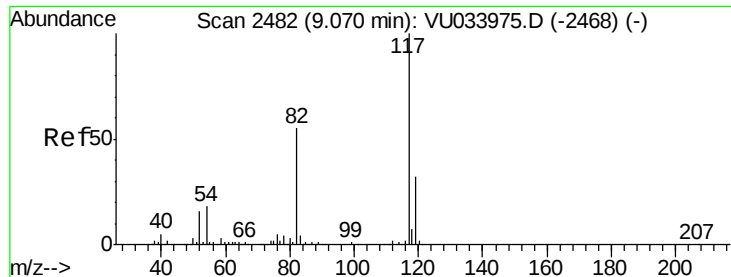
100000

50000

0

Time-->

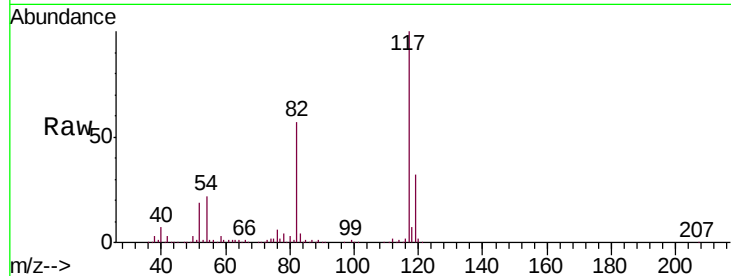




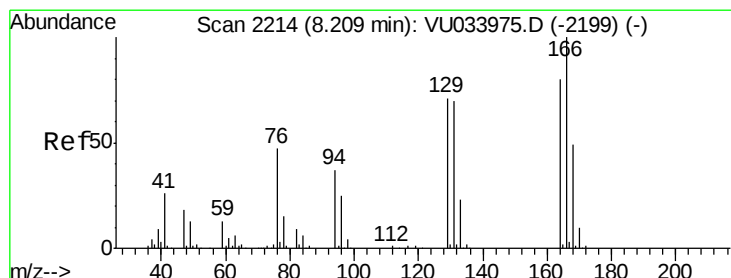
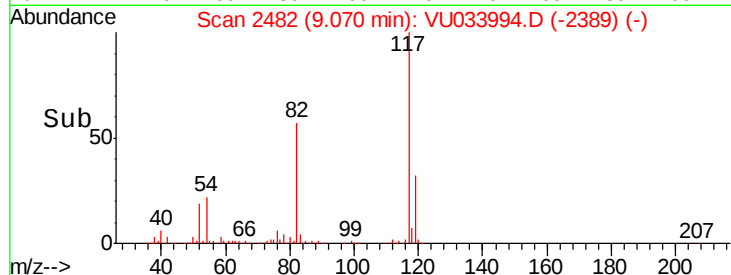
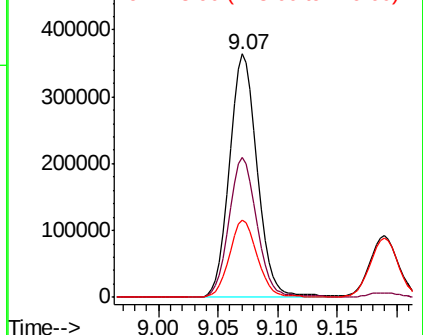
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 590092
Ion Ratio Lower Upper
117 100
82 57.4 43.8 65.8
119 31.9 25.7 38.5

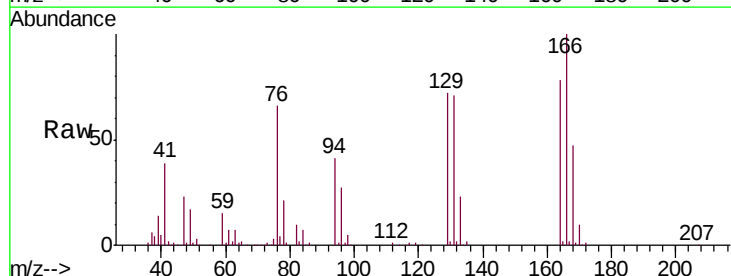


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

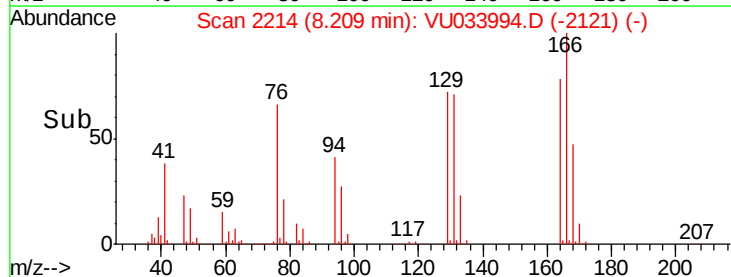
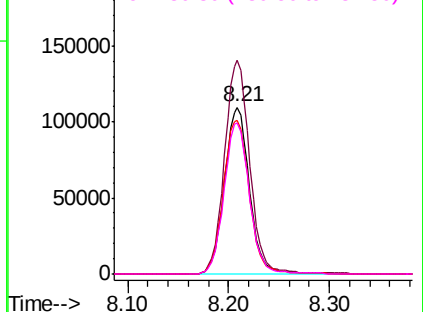


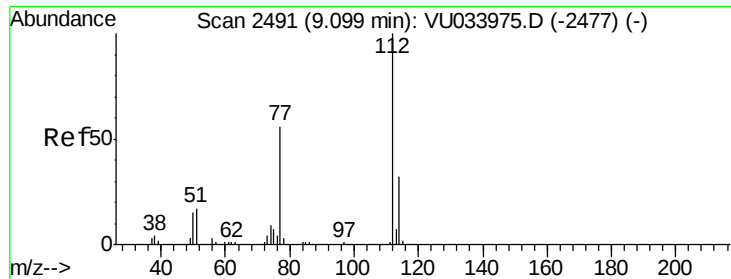
#64
Tetrachloroethene
Concen: 40.124 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion:164 Resp: 190368
Ion Ratio Lower Upper
164 100
166 128.0 99.5 149.3
129 91.8 70.9 106.3
131 90.5 69.4 104.2



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: 49.188 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

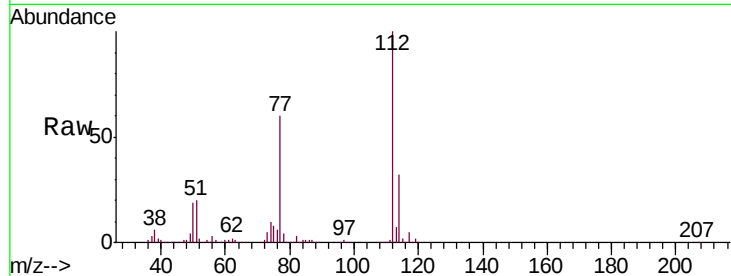
VSTDCCC050EC

Tgt Ion:112 Resp: 597679

Ion Ratio Lower Upper

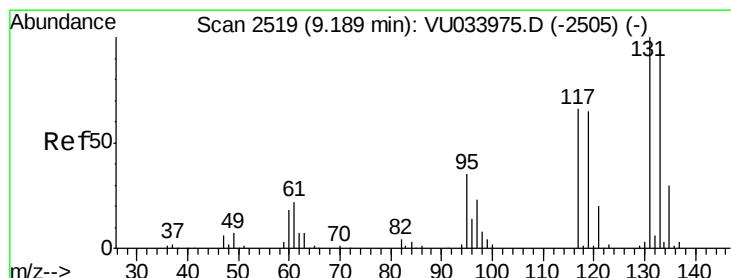
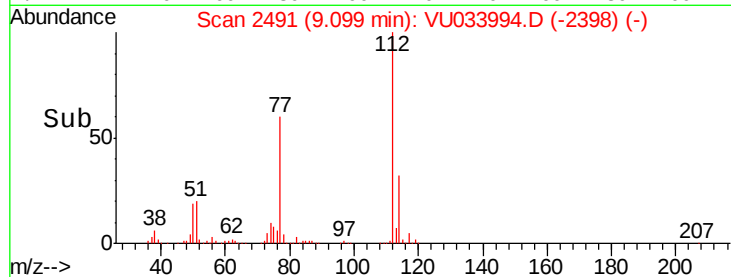
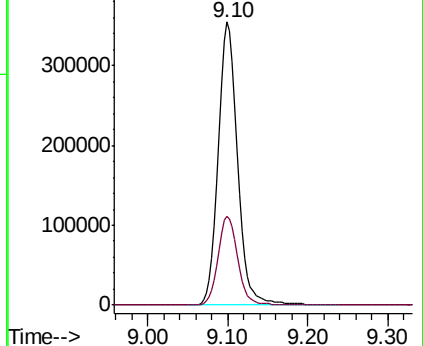
112 100

114 31.5 25.8 38.8



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: 48.879 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

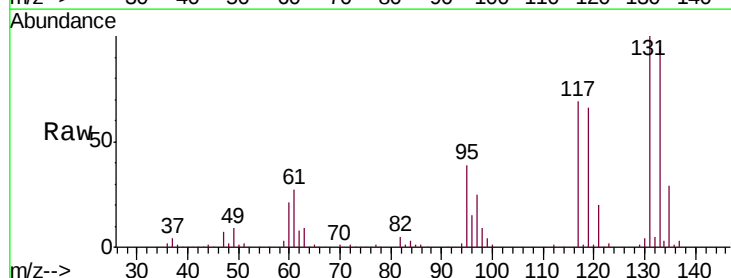
Tgt Ion:131 Resp: 221439

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

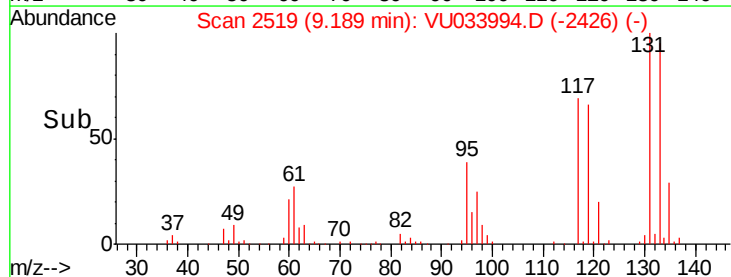
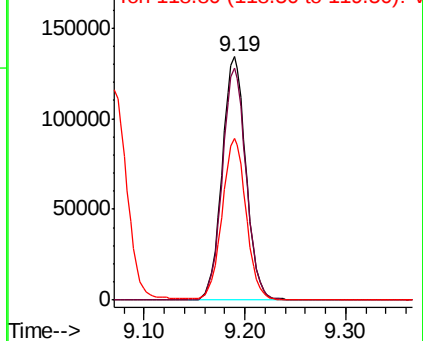
119 67.1 33.0 98.9

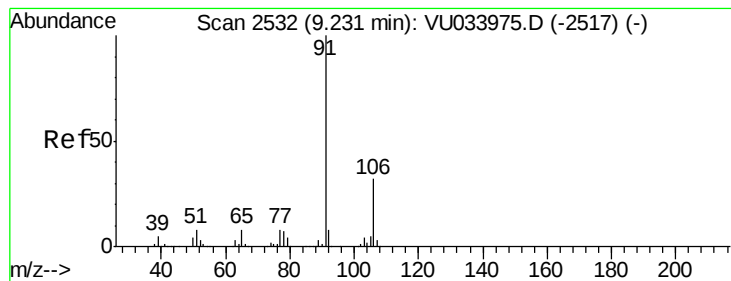


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.795 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

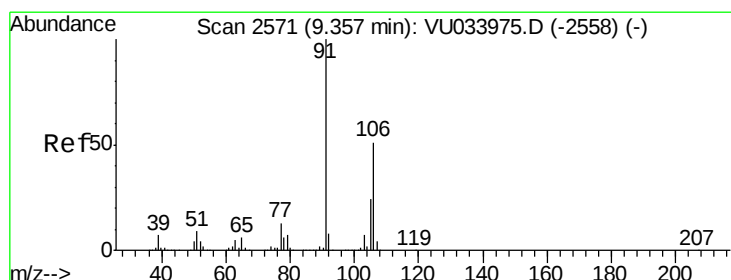
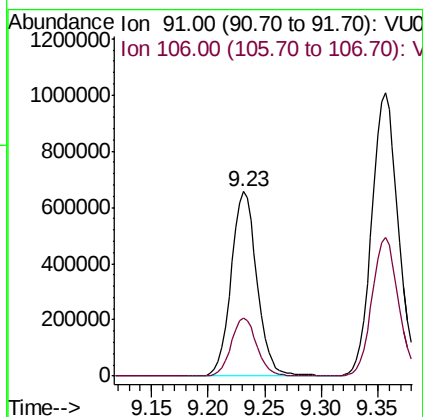
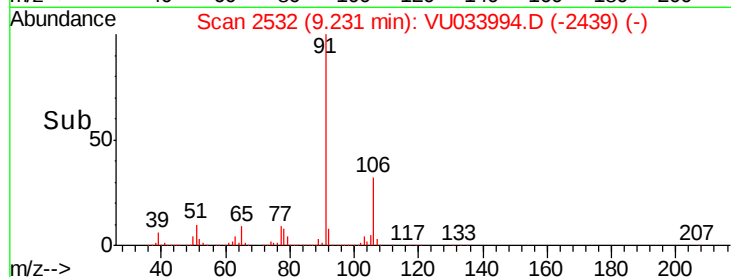
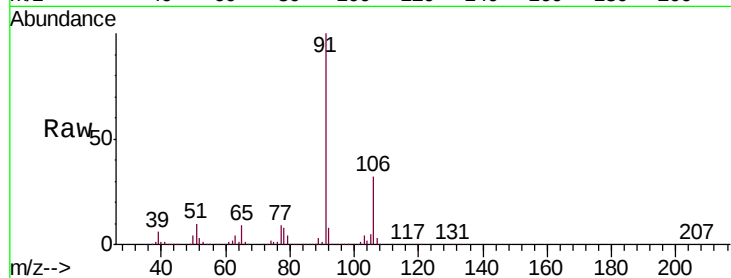
VSTDCCC050EC

Tgt Ion: 91 Resp: 1049360

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.0



#68

m/p-Xylenes

Concen: 103.473 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033994.D

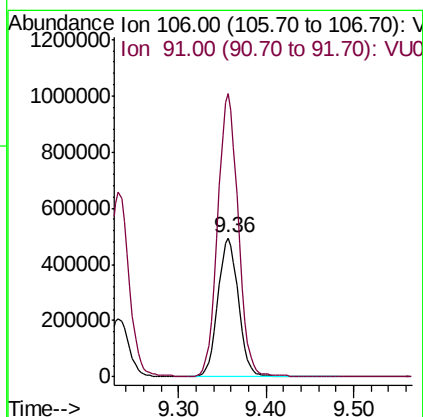
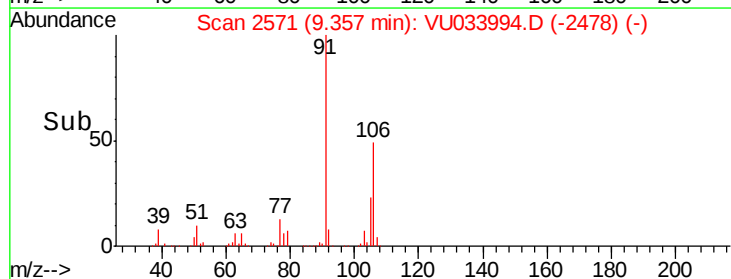
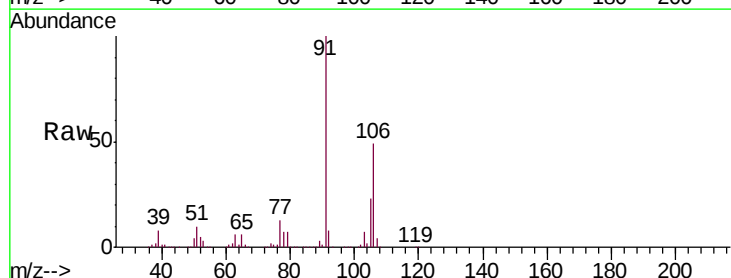
Acq: 27 Aug 2019 23:52

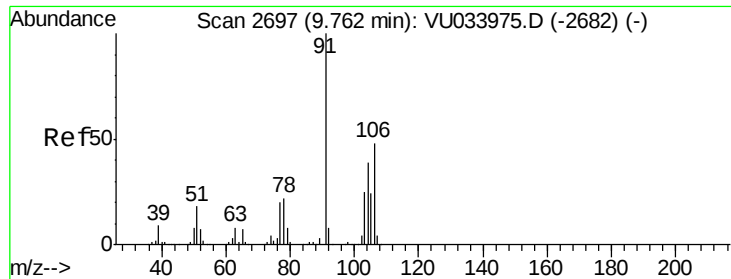
Tgt Ion: 106 Resp: 808486

Ion Ratio Lower Upper

106 100

91 203.0 158.4 237.6

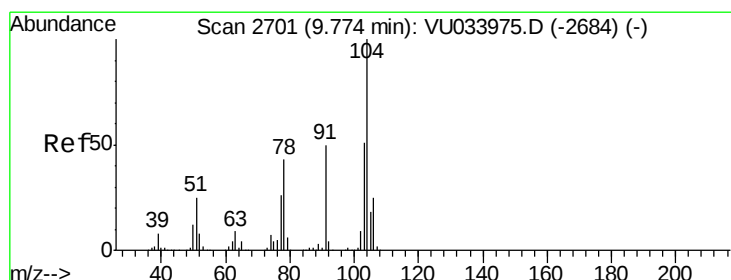
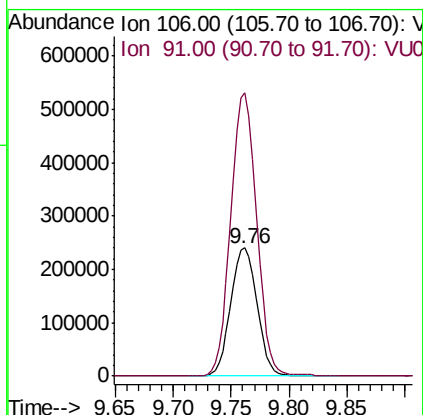
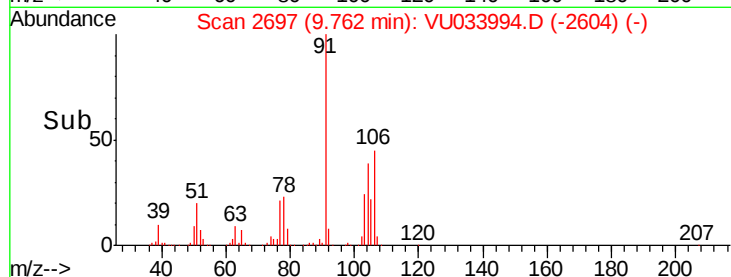
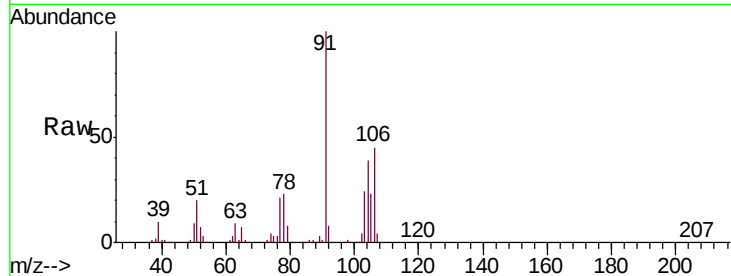




#69
o-Xylene
Concen: 50.830 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

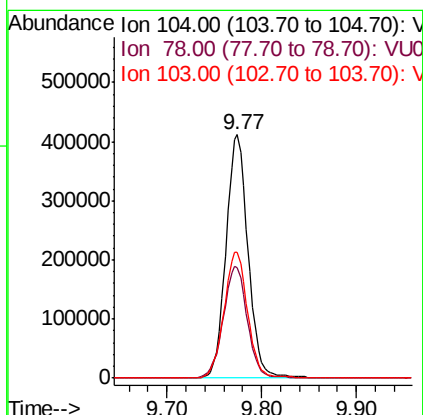
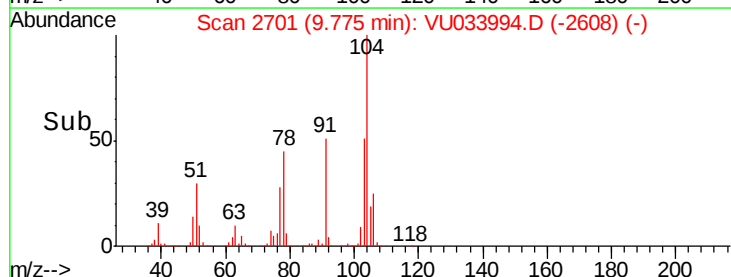
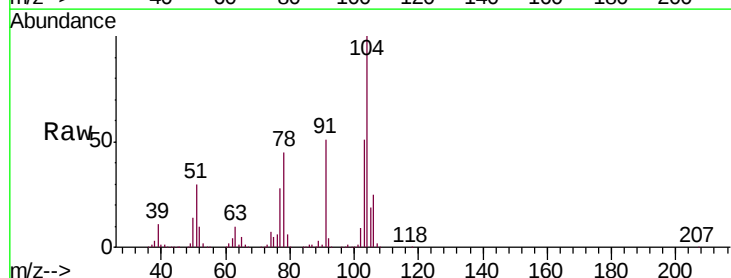
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

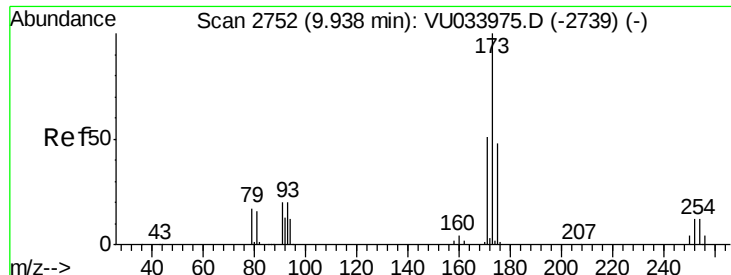
Tgt Ion:106 Resp: 379701
Ion Ratio Lower Upper
106 100
91 217.0 104.5 313.3



#70
Styrene
Concen: 52.168 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion:104 Resp: 666975
Ion Ratio Lower Upper
104 100
78 50.1 37.5 56.3
103 55.5 43.9 65.9





#71

Bromoform

Concen: 45.593 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

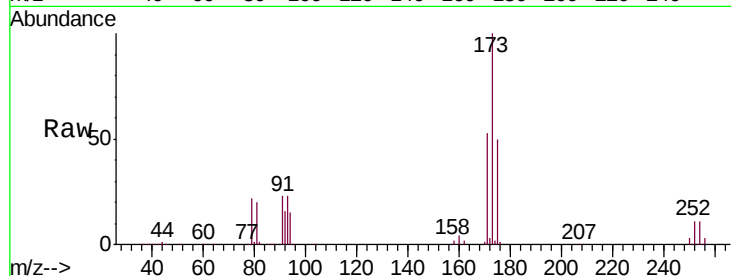
Tgt Ion:173 Resp: 182844

Ion Ratio Lower Upper

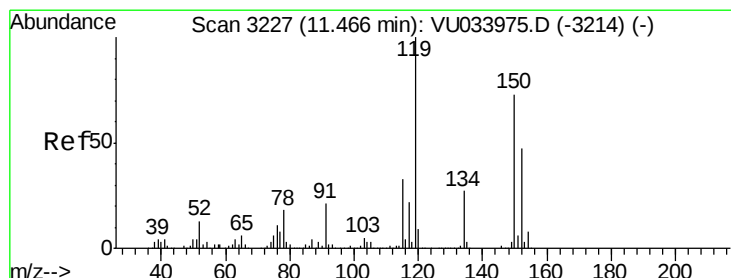
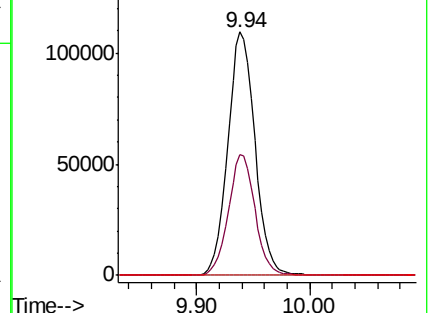
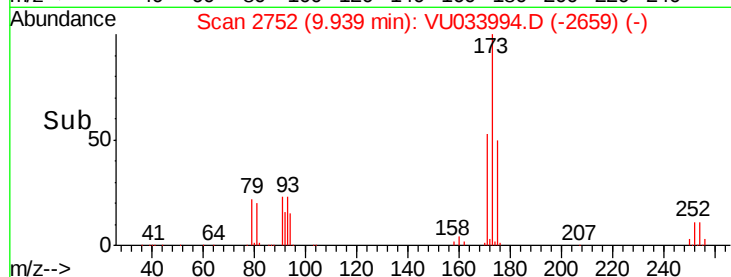
173 100

175 48.7 24.3 72.9

254 0.1 0.1 0.1#



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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

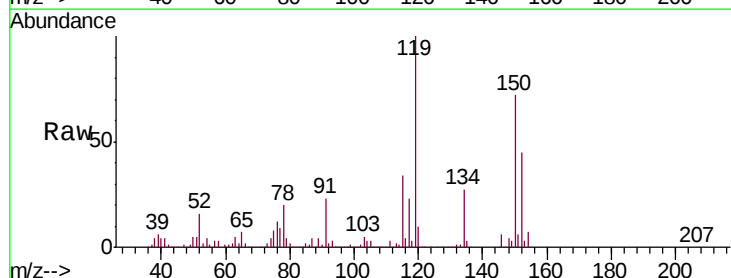
Tgt Ion:152 Resp: 306383

Ion Ratio Lower Upper

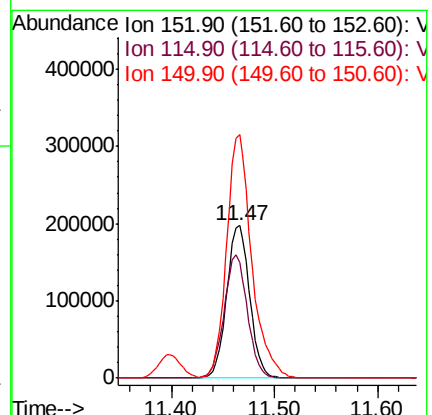
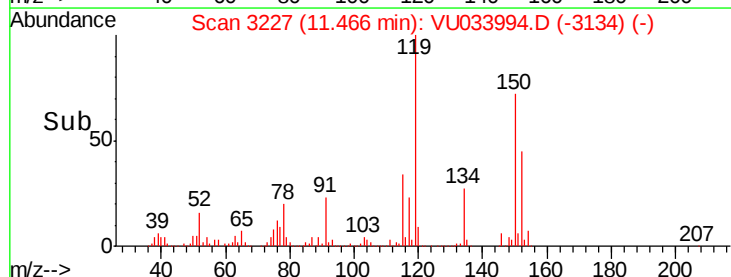
152 100

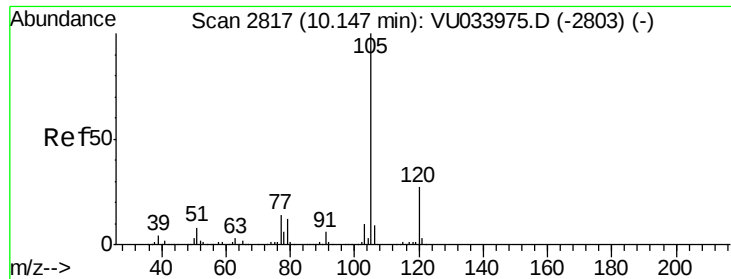
115 81.8 38.6 115.7

150 173.5 0.0 343.8



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: 52.258 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

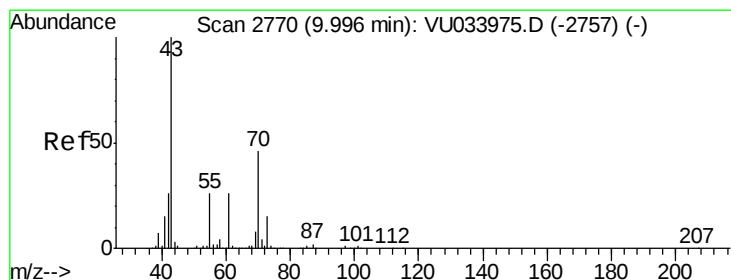
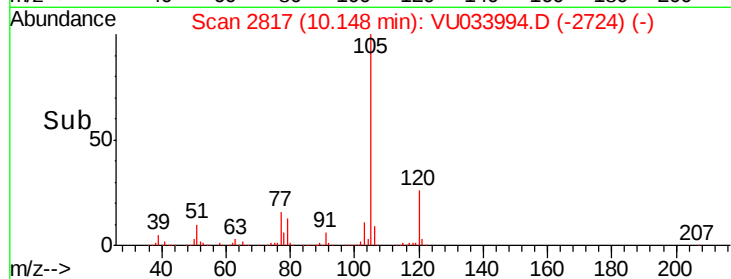
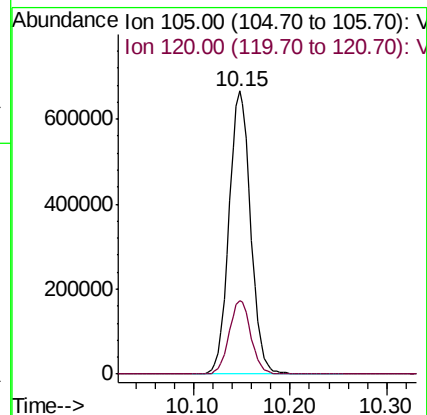
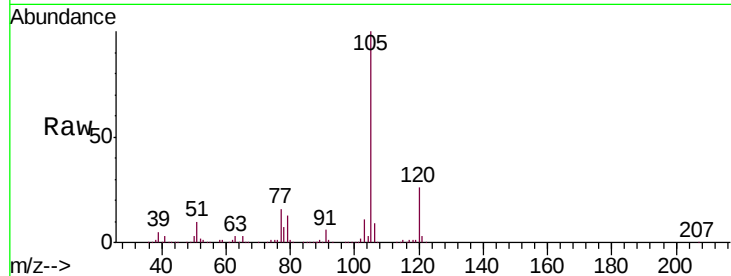
VSTDCCC050EC

Tgt Ion: 105 Resp: 1030456

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.5



#74

N-ethyl acetate

Concen: 67.041 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Tgt Ion: 43 Resp: 496233

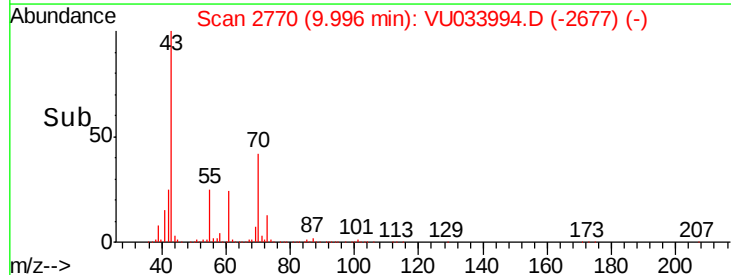
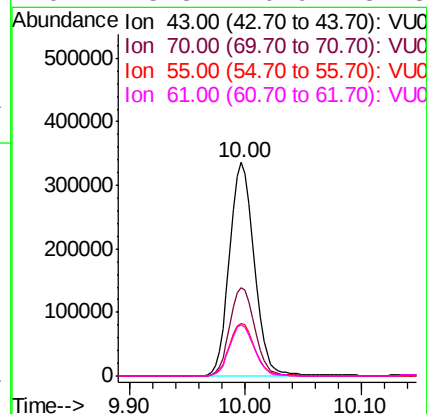
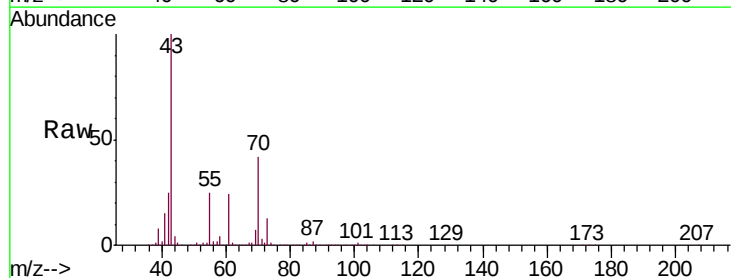
Ion Ratio Lower Upper

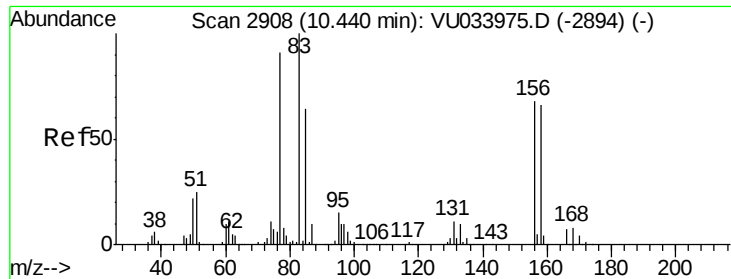
43 100

70 41.9 37.4 56.0

55 25.3 21.0 31.4

61 23.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 55.393 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

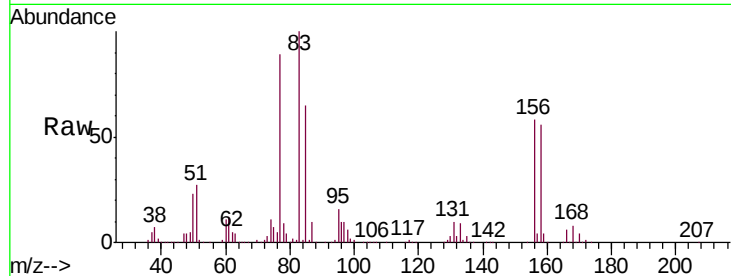
Tgt Ion: 83 Resp: 393409

Ion Ratio Lower Upper

83 100

131 9.5 5.3 16.1

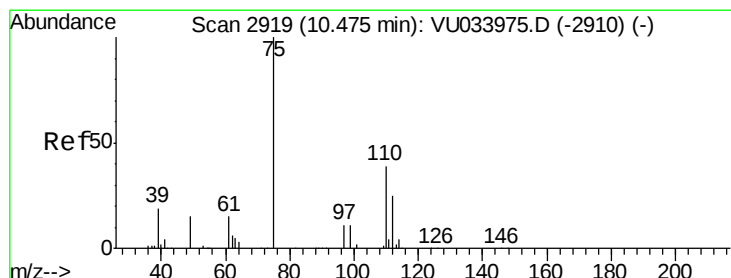
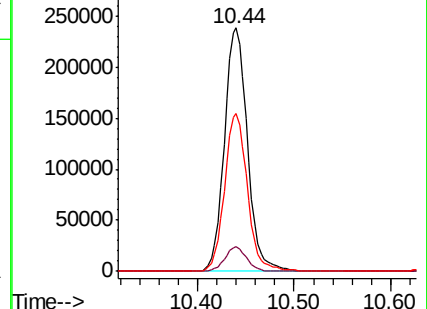
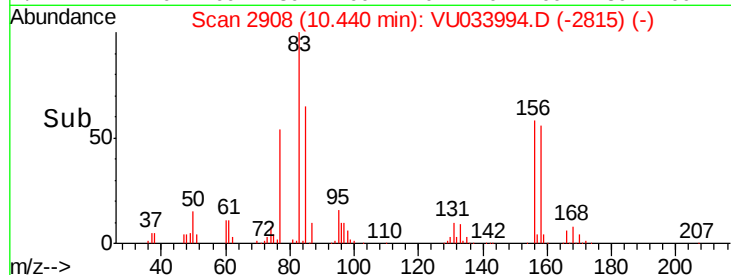
85 64.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VU033994.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU033994.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU033994.D (-2815) (-)



#76

1,2,3-Trichloropropane

Concen: 71.196 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033994.D

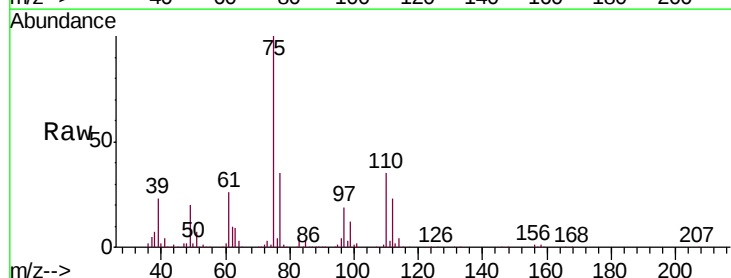
Acq: 27 Aug 2019 23:52

Tgt Ion: 75 Resp: 434625

Ion Ratio Lower Upper

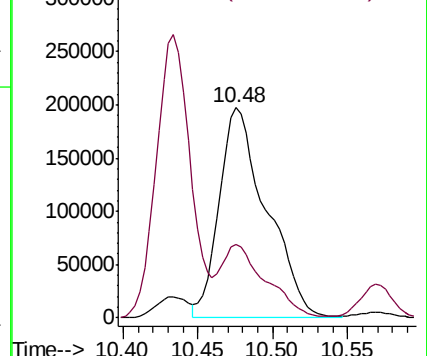
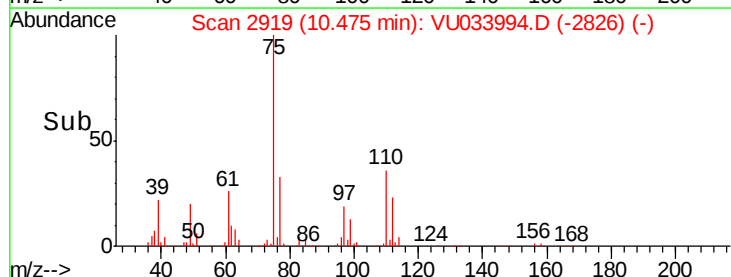
75 100

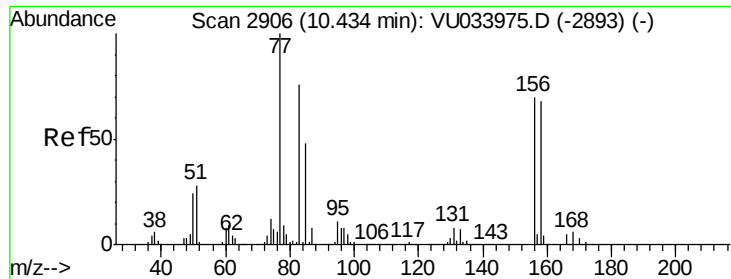
77 33.1 21.0 63.0



Abundance Ion 74.90 (74.60 to 75.60): VU033994.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033994.D (-2826) (-)





#77

Bromobenzene

Concen: 46.940 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

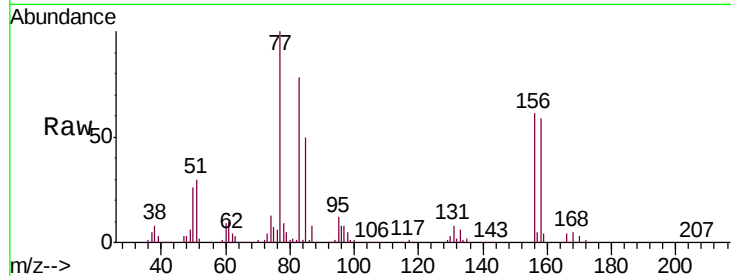
Tgt Ion:156 Resp: 261563

Ion Ratio Lower Upper

156 100

77 161.7 70.3 211.1

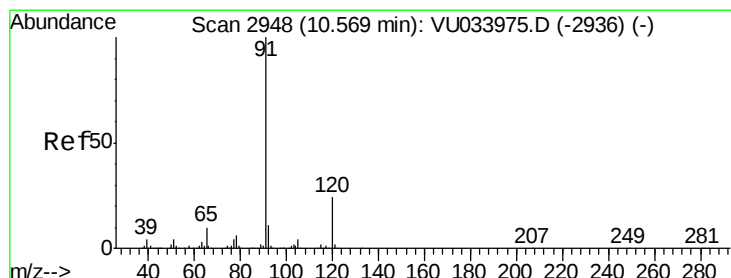
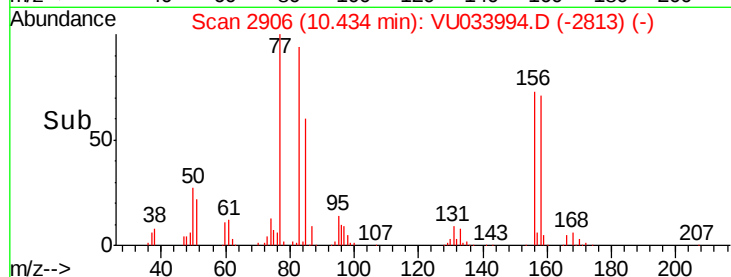
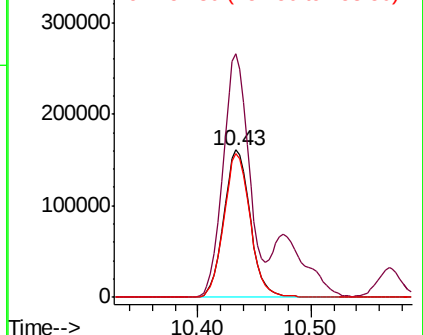
158 97.1 48.3 144.8



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: 54.421 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033994.D

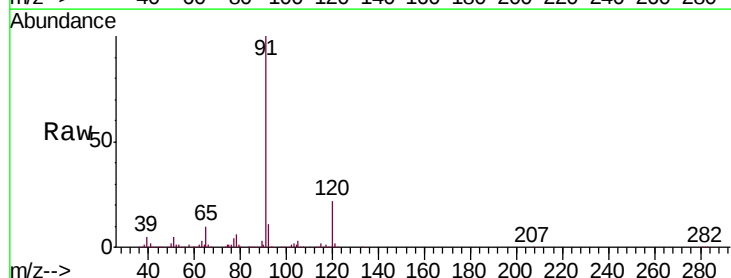
Acq: 27 Aug 2019 23:52

Tgt Ion: 91 Resp: 1216962

Ion Ratio Lower Upper

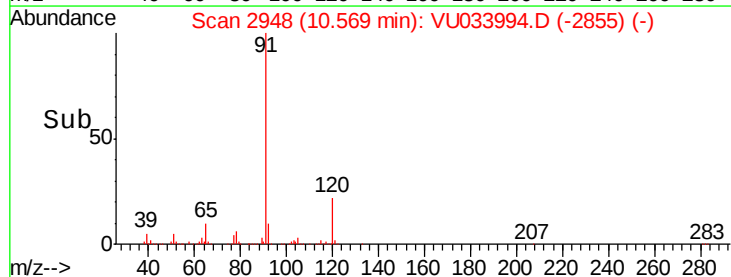
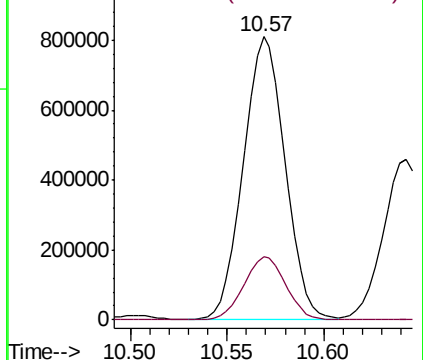
91 100

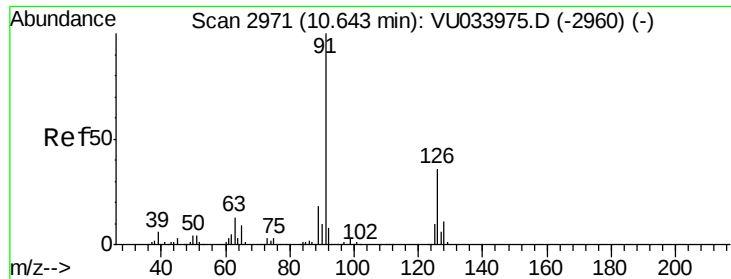
120 22.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.141 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

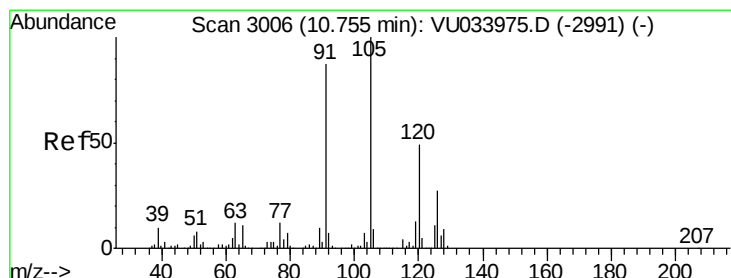
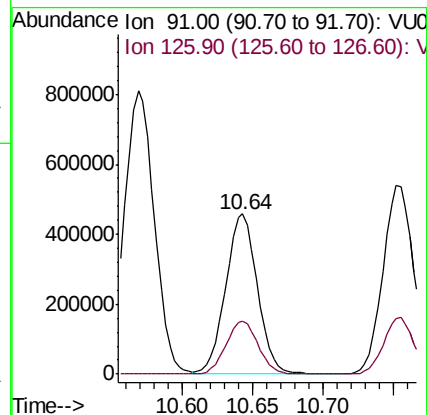
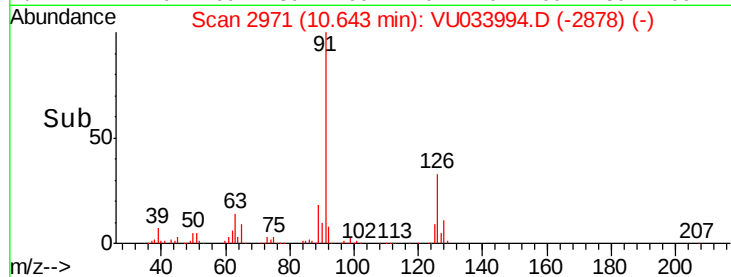
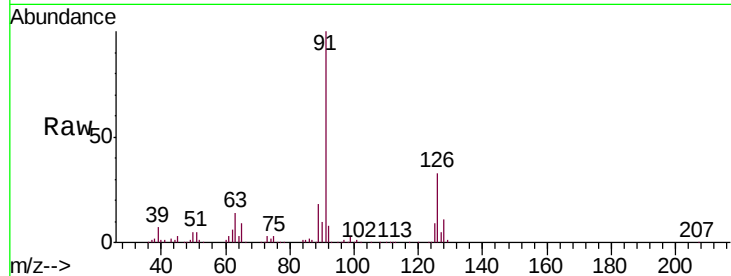
VSTDCCC050EC

Tgt Ion: 91 Resp: 717052

Ion Ratio Lower Upper

91 100

126 33.7 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 53.204 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033994.D

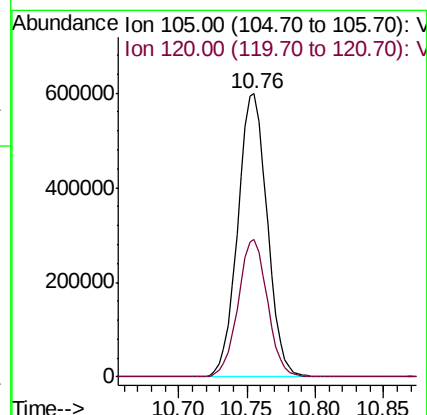
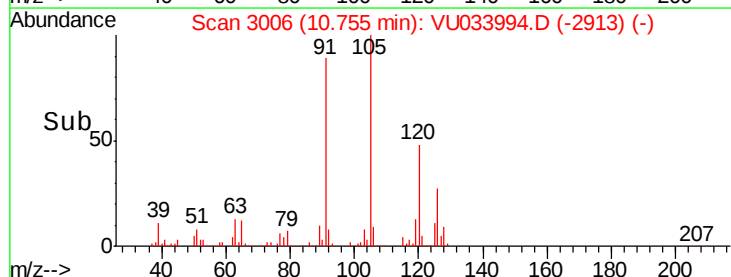
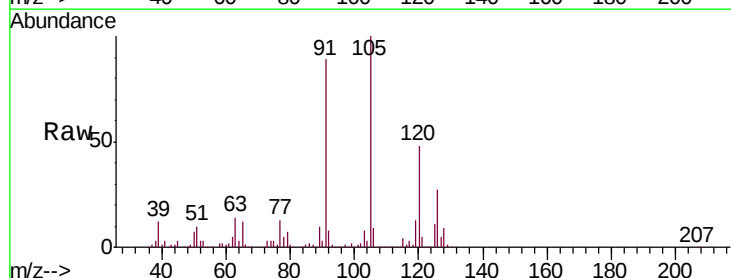
Acq: 27 Aug 2019 23:52

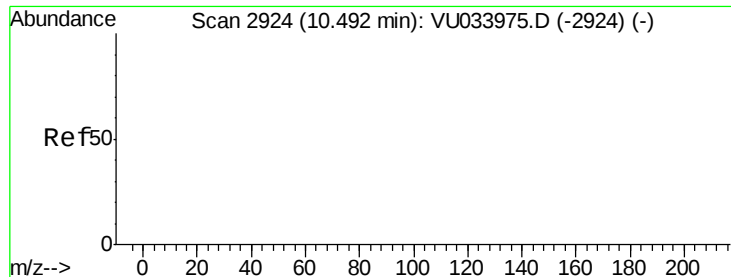
Tgt Ion: 105 Resp: 898517

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 203.920 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.02 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

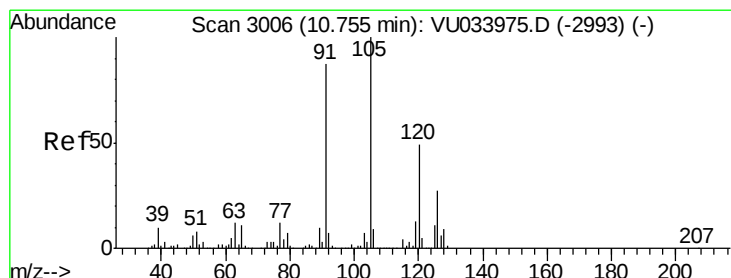
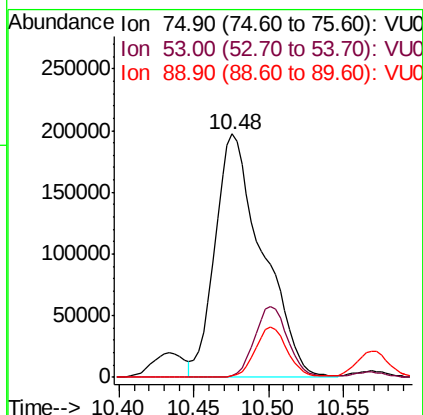
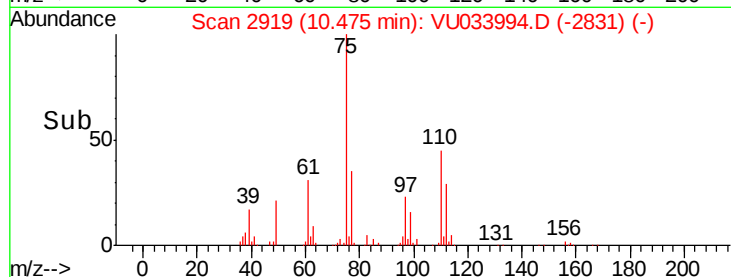
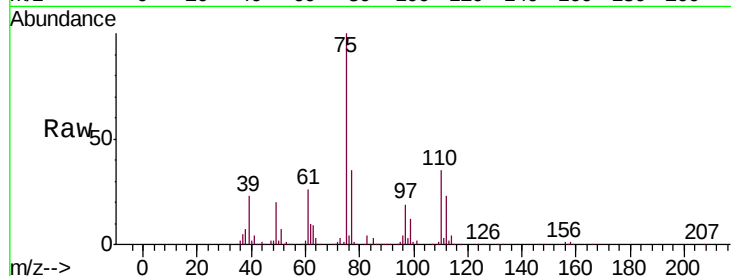
Tgt Ion: 75 Resp: 434625

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 53.295 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033994.D

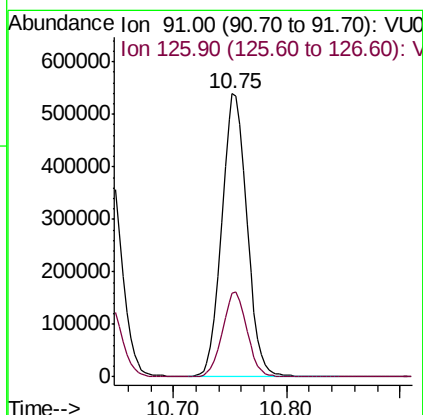
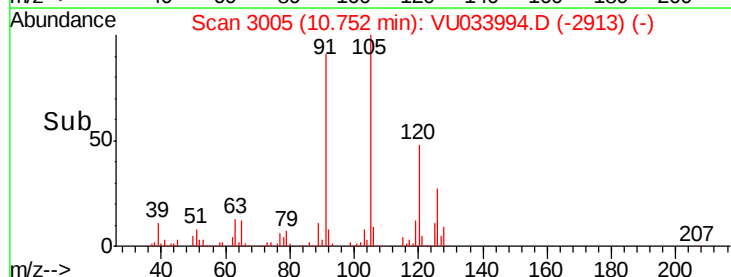
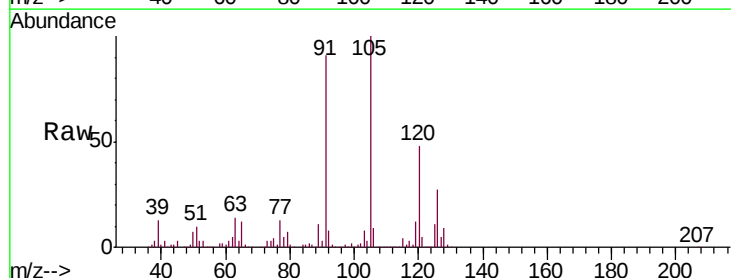
Acq: 27 Aug 2019 23:52

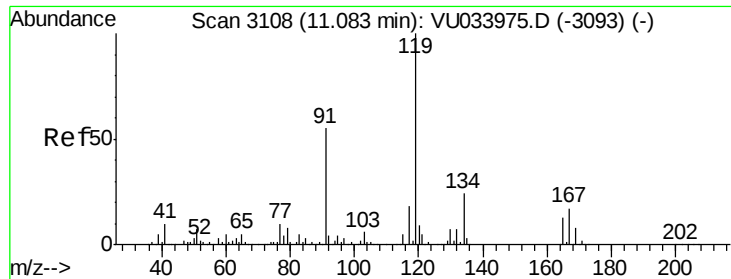
Tgt Ion: 91 Resp: 832496

Ion Ratio Lower Upper

91 100

126 29.3 15.4 46.4

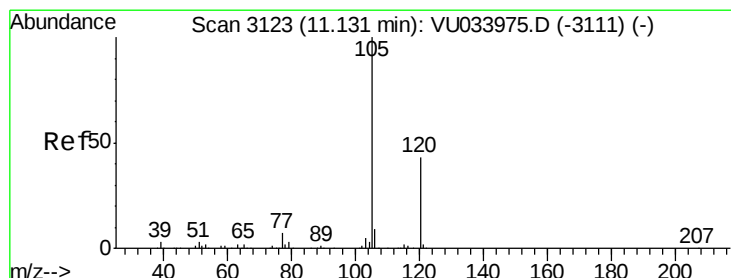
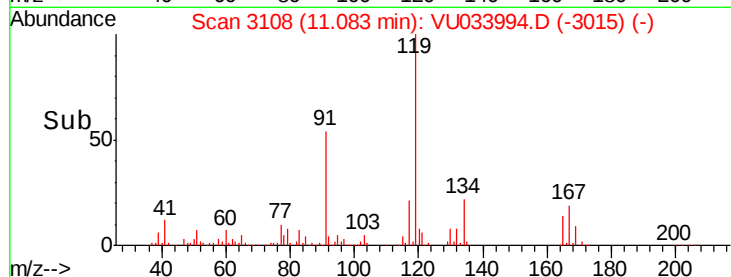
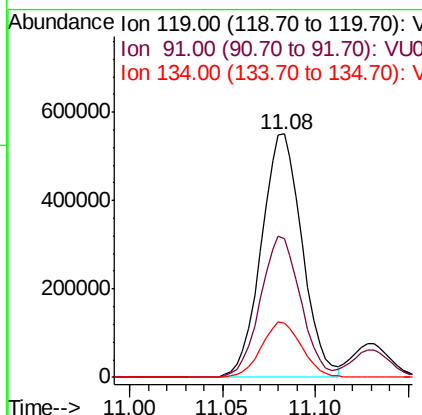
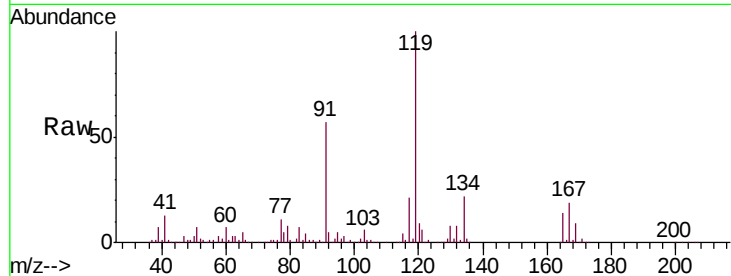




#83
 tert-Butylbenzene
 Concen: 51.627 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

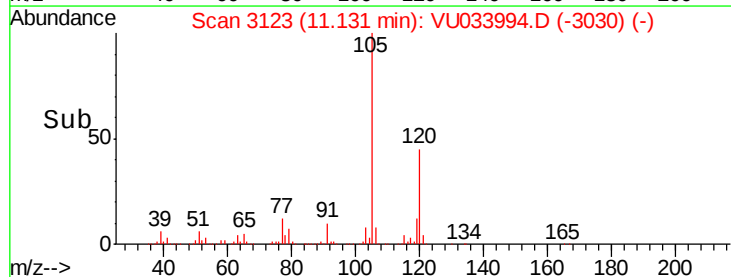
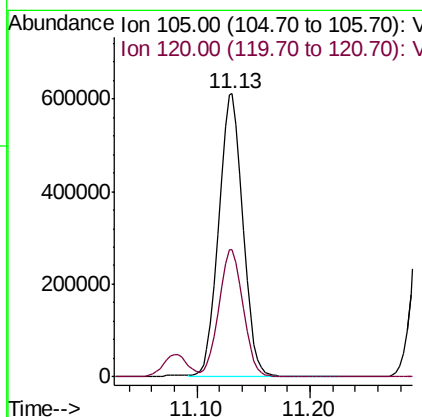
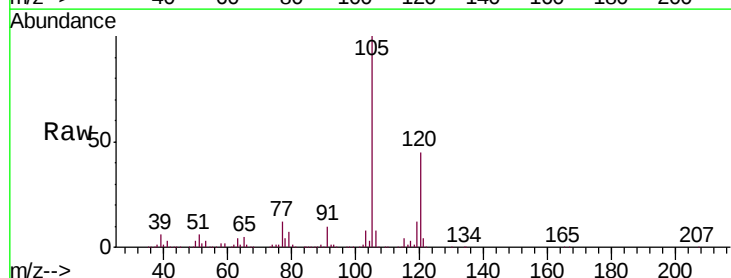
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

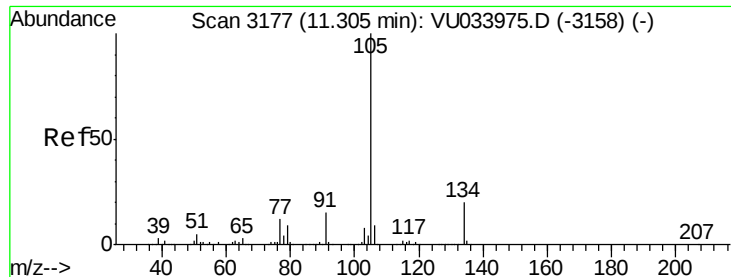
Tgt Ion:119 Resp: 846347
 Ion Ratio Lower Upper
 119 100
 91 57.2 27.6 82.8
 134 22.4 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 54.715 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion:105 Resp: 907175
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.3 69.9

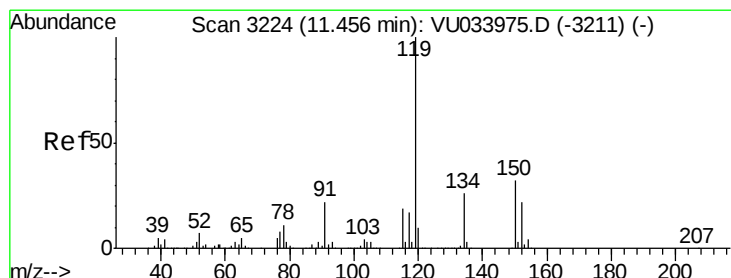
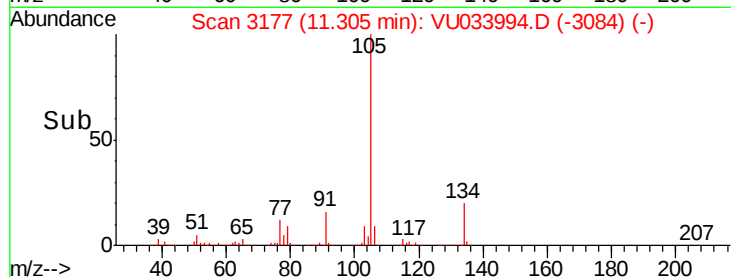
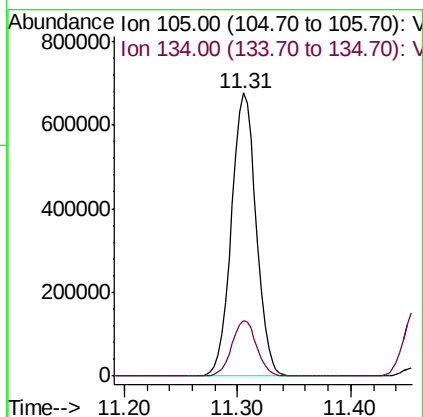
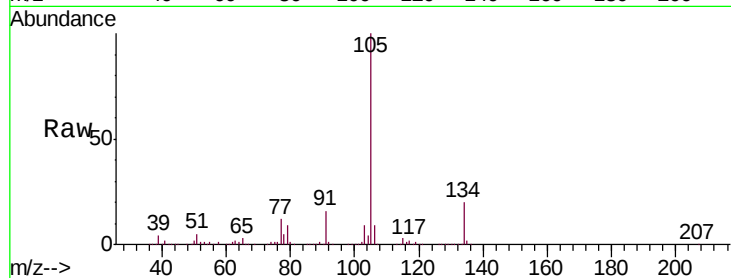




#85
 sec-Butylbenzene
 Concen: 52.490 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

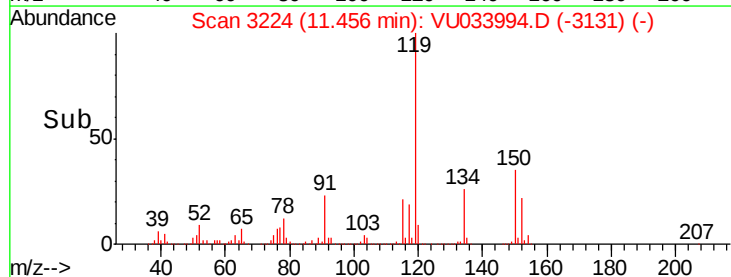
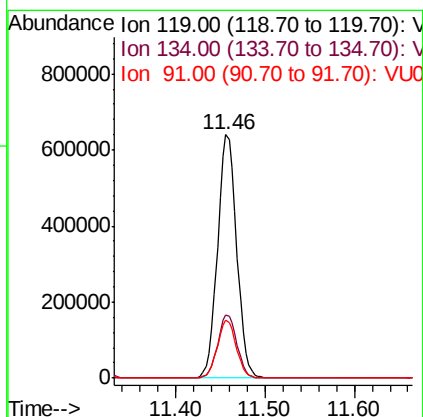
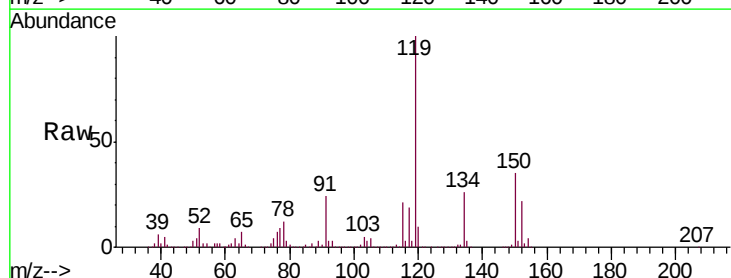
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

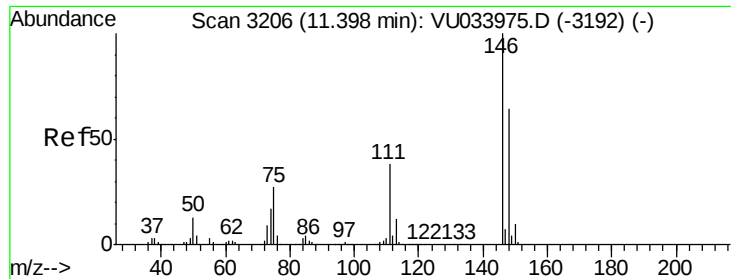
Tgt Ion:105 Resp: 1027011
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 51.764 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion:119 Resp: 947972
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.4 10.9 32.9

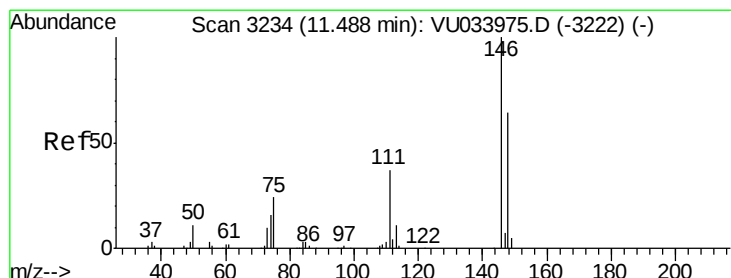
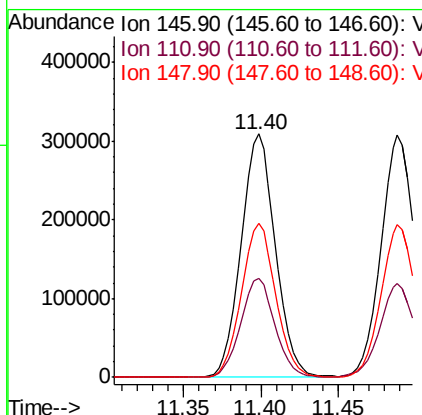
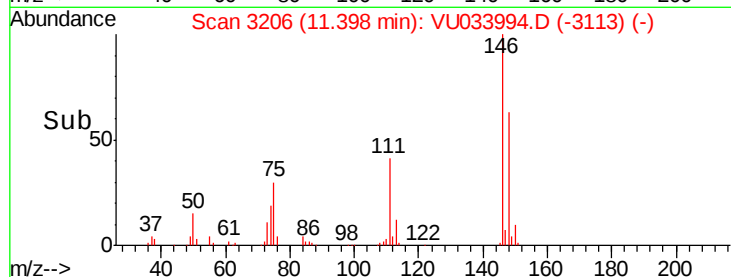
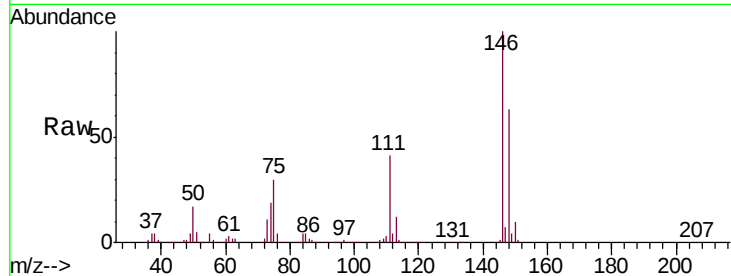




#87
 1,3-Dichlorobenzene
 Concen: 48.091 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

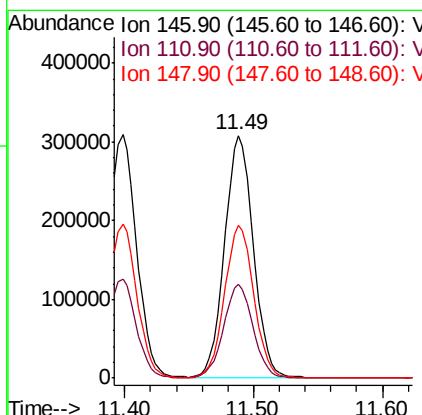
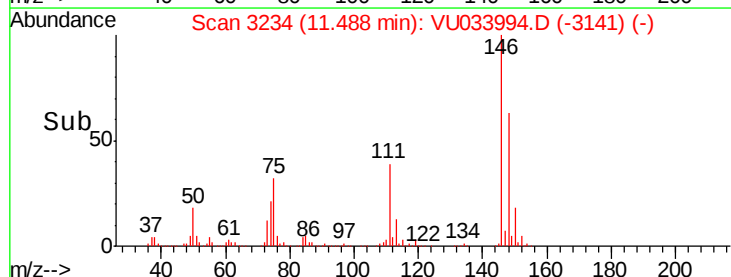
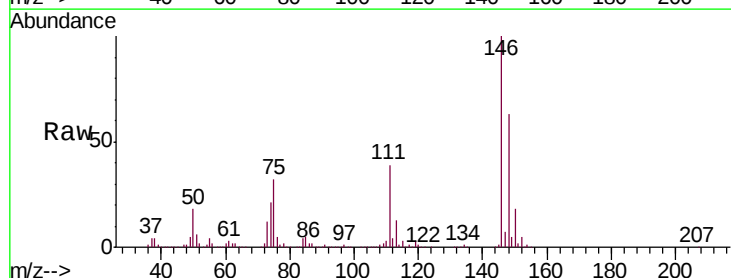
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

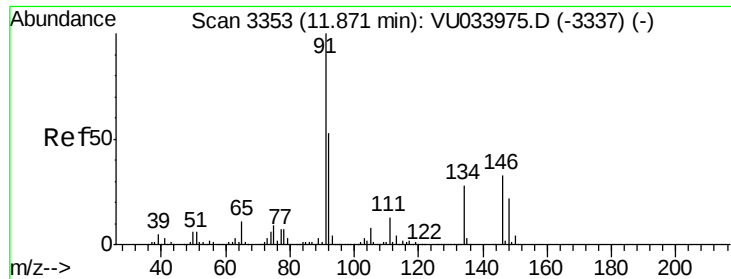
Tgt Ion:146 Resp: 475380
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.8 56.4
 148 63.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.604 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion:146 Resp: 474926
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.8 56.4
 148 64.1 31.9 95.7

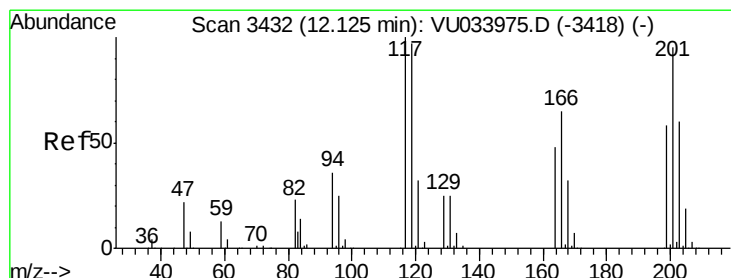
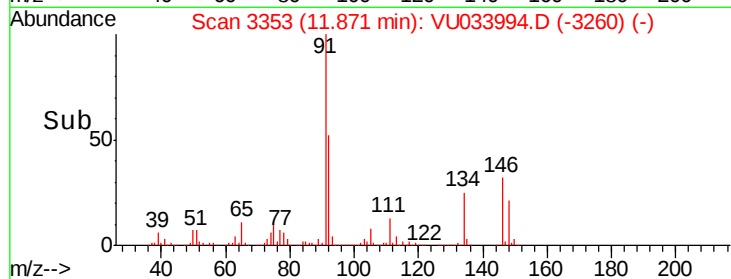
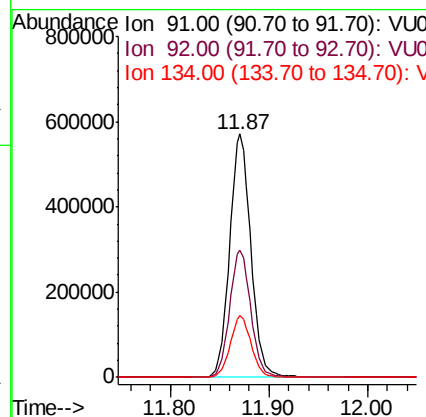
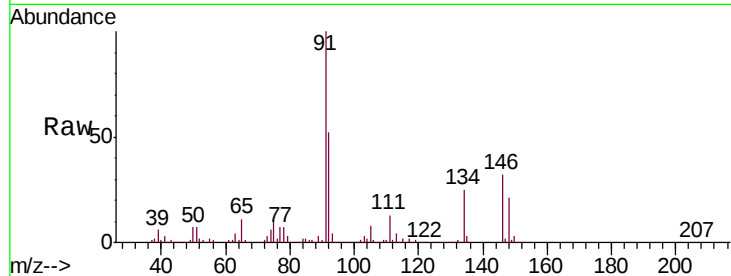




#89
n-Butylbenzene
Concen: 56.342 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

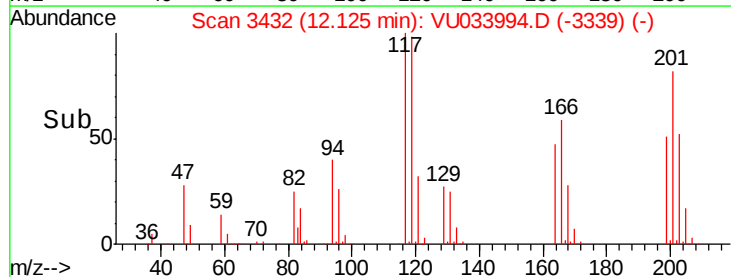
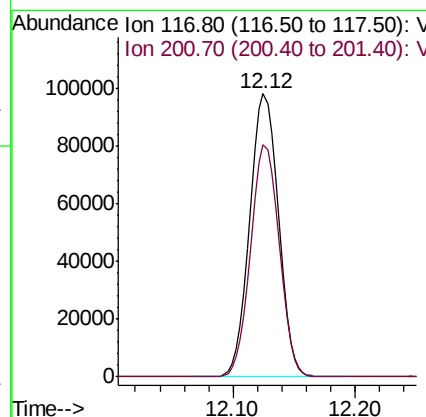
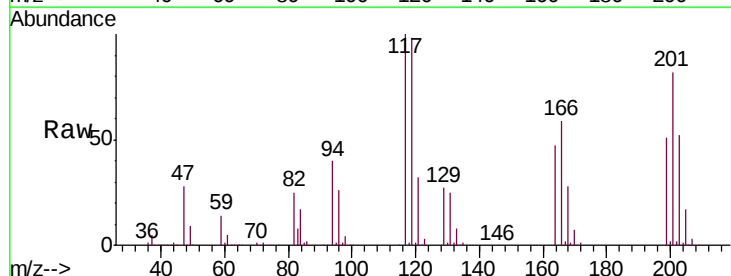
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

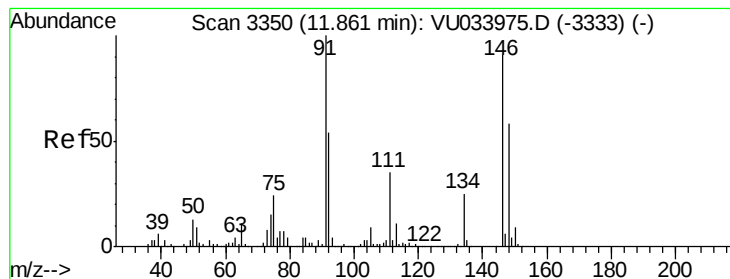
Tgt Ion: 91 Resp: 862360
Ion Ratio Lower Upper
91 100
92 52.3 26.7 80.0
134 24.8 13.6 40.8



#90
Hexachloroethane
Concen: 52.413 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion: 117 Resp: 158763
Ion Ratio Lower Upper
117 100
201 81.8 47.5 142.5





#91

1,2-Dichlorobenzene

Concen: 49.014 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

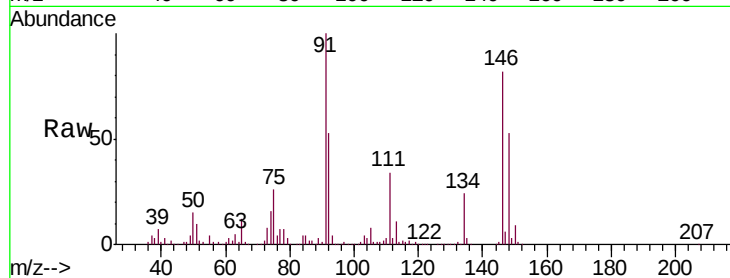
Tgt Ion:146 Resp: 476932

Ion Ratio Lower Upper

146 100

111 41.6 19.8 59.3

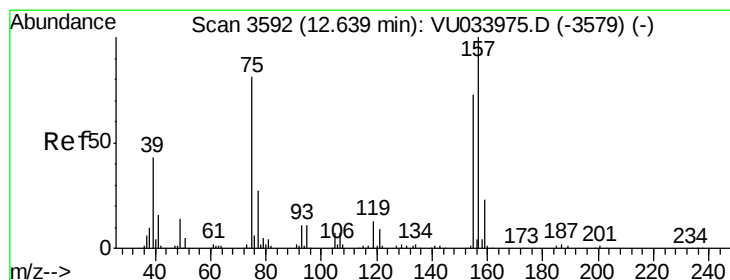
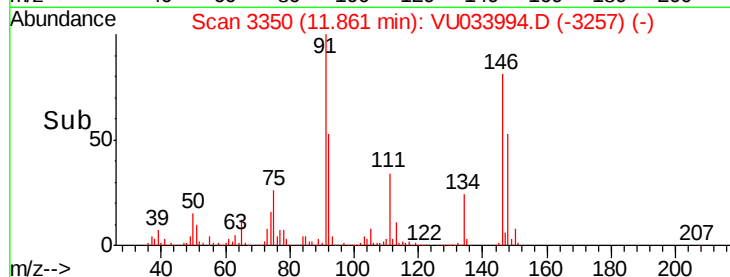
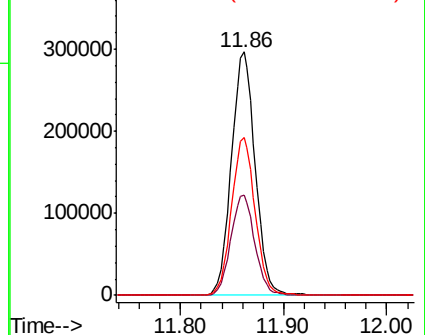
148 64.6 32.0 96.2



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: 65.052 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033994.D

Acq: 27 Aug 2019 23:52

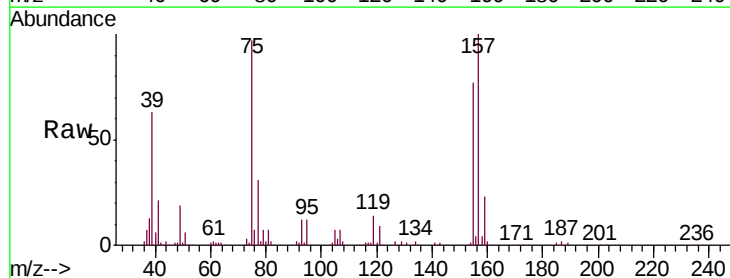
Tgt Ion: 75 Resp: 92543

Ion Ratio Lower Upper

75 100

155 78.2 46.9 140.6

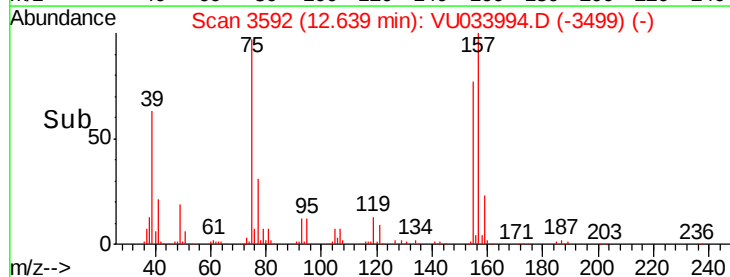
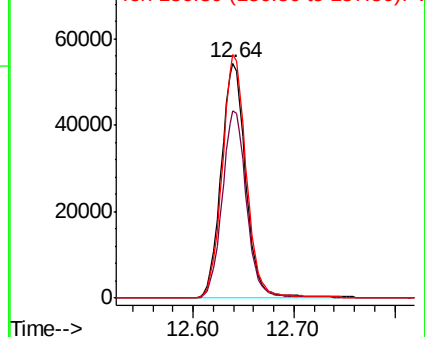
157 101.4 61.2 183.6

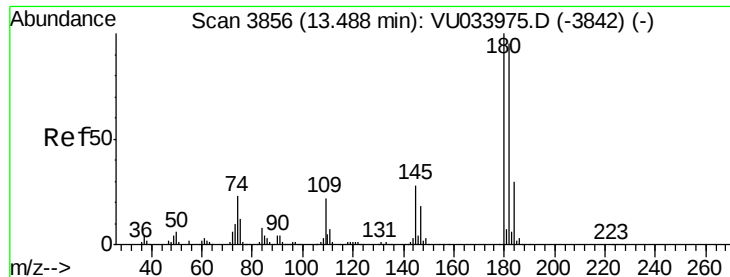


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

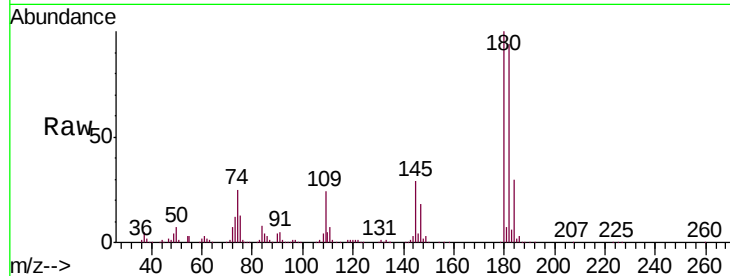




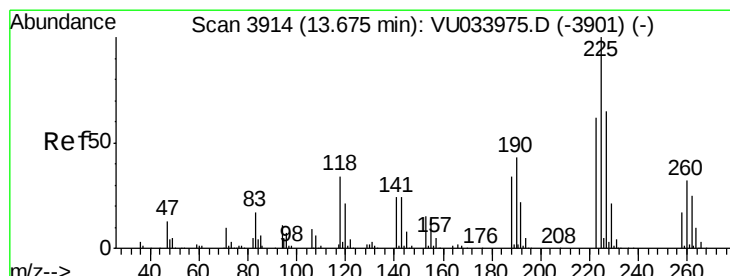
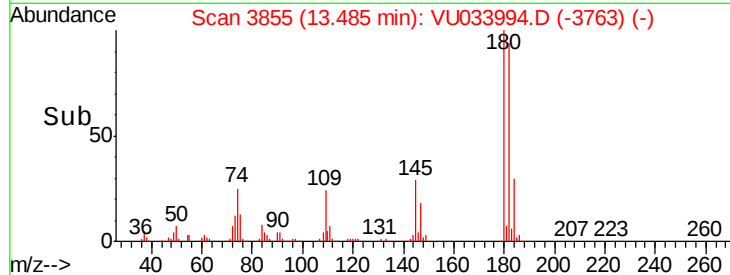
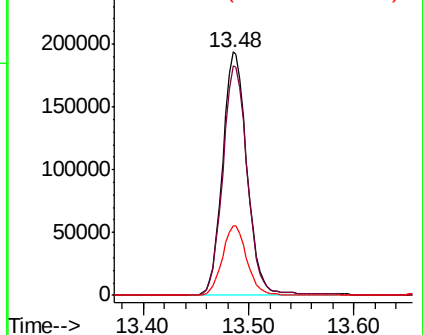
#93
 1,2,4-Trichlorobenzene
 Concen: 45.751 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 312059
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.2
 145 28.5 14.4 43.2

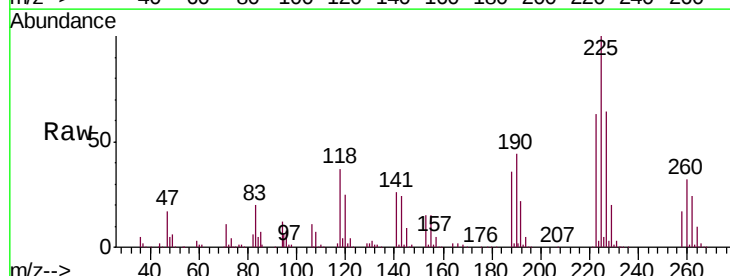


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

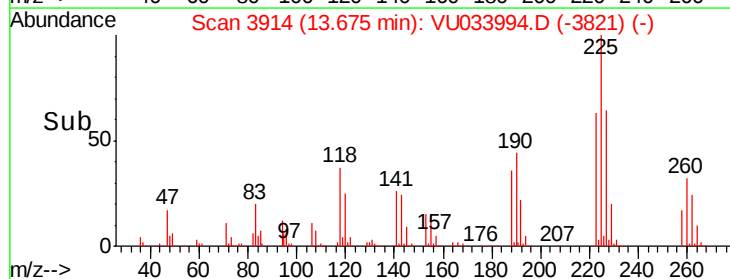
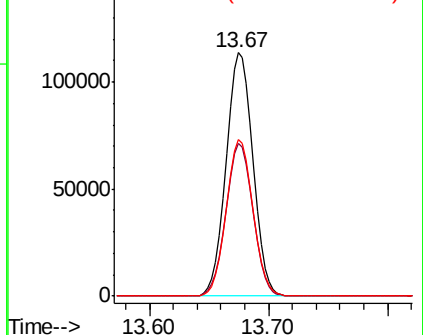


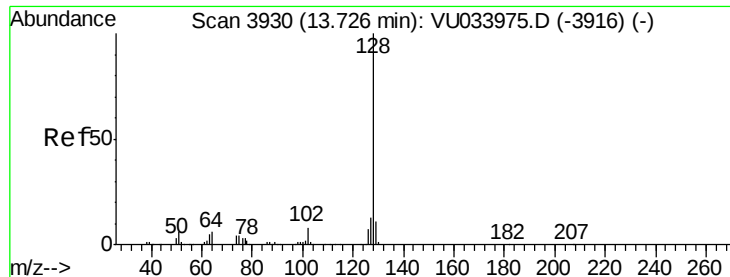
#94
 Hexachlorobutadiene
 Concen: 44.505 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033994.D
 Acq: 27 Aug 2019 23:52

Tgt Ion:225 Resp: 177535
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.7 95.1
 227 63.9 33.0 99.0



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

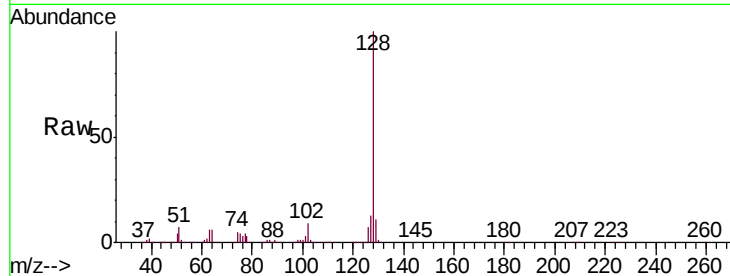




#95
Naphthalene
Concen: 50.618 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.4	8.5	12.7

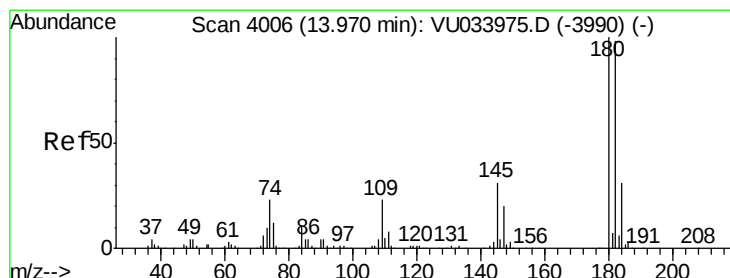
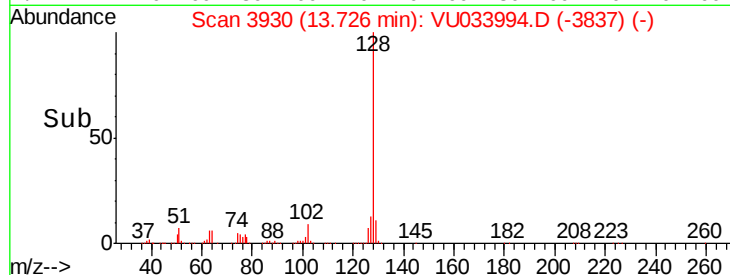
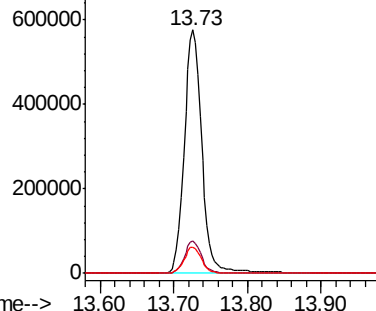


Abundance

Ion 128.00 (127.70 to 128.70): V

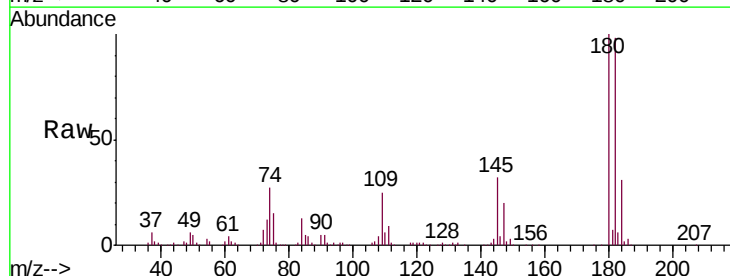
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.275 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU033994.D
Acq: 27 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.3
145	31.3	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

