

Data File : VU035985.D
Acq On : 04 Dec 2019 21:04
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Dec 05 04:01:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	304414	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	327955	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162082	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	139807	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	123095	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	215379	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	4.69	46	280190	45.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.20%
24) Chloroform-d	5.11	84	224684	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.75	65	115509	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.77	84	432196	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.73	67	133990	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.93	98	404032	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.21	79	54807	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.67	63	236022	47.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.48%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	121467	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	146163	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	159119	5.048	ug/L 99
3) Chloromethane	1.54	50	171573	4.766	ug/L 100
5) Vinyl chloride	1.62	62	182073	5.007	ug/L 98
6) Bromomethane	1.87	94	108537	5.205	ug/L 98
8) Chloroethane	1.95	64	107974	4.788	ug/L 99
9) Trichlorofluoromethane	2.16	101	225131	5.273	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	122133	5.220	ug/L 95
12) 1,1-Dichloroethene	2.61	96	112709	5.166	ug/L 89
13) Acetone	2.68	43	229726	41.350	ug/L 100
14) Carbon disulfide	2.82	76	378964	4.959	ug/L 98
15) Methyl Acetate	3.00	43	48147	4.835	ug/L 98
16) Methylene chloride	3.08	84	143074	4.234	ug/L 96
17) Methyl tert-butyl Ether	3.42	73	255124	4.992	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	119013	5.152	ug/L 96
19) 1,1-Dichloroethane	3.92	63	231912	5.135	ug/L 99
21) 2-Butanone	4.77	43	333917	46.820	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	127037	5.205	ug/L 89

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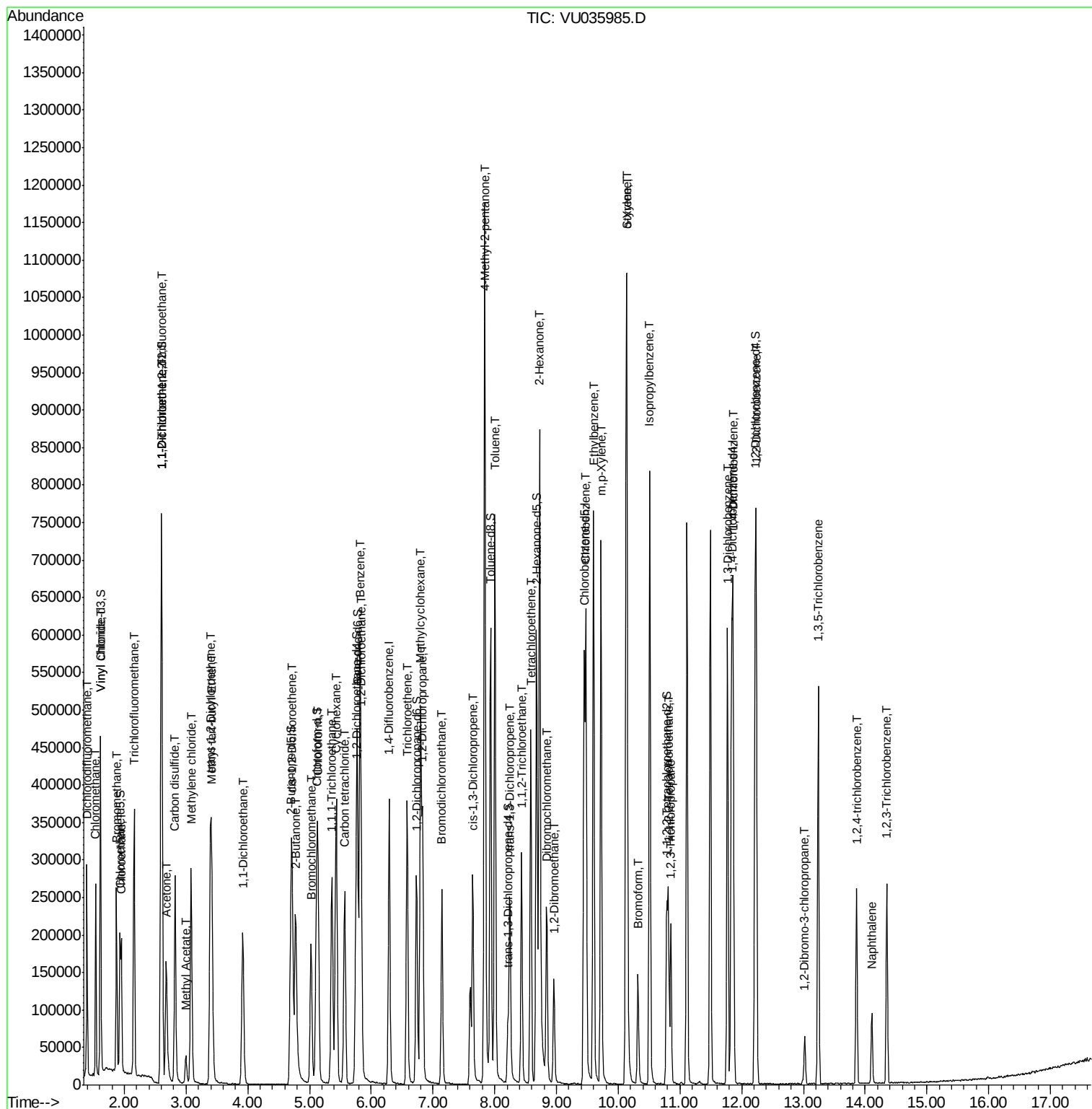
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62233	5.570	ug/L	93
25) Chloroform	5.14	83	241082	5.291	ug/L	98
27) 1,2-Dichloroethane	5.84	62	147422	5.062	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	199363	5.026	ug/L	98
30) Cyclohexane	5.43	56	174345	4.451	ug/L	98
31) Carbon tetrachloride	5.57	117	178624	5.080	ug/L	100
33) Benzene	5.82	78	521944	5.061	ug/L	100
34) Trichloroethene	6.58	95	132917	5.096	ug/L	96
35) Methylcyclohexane	6.80	83	176602	4.516	ug/L	98
37) 1,2-Dichloropropane	6.83	63	135170	4.840	ug/L	100
38) Bromodichloromethane	7.14	83	167808	5.021	ug/L	95
39) cis-1,3-Dichloropropene	7.65	75	173992	4.696	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	755442	46.027	ug/L	98
42) Toluene	8.00	91	563083	5.227	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	151536	4.783	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	98579	5.185	ug/L	99
47) Tetrachloroethene	8.58	164	108381	5.113	ug/L	97
48) 2-Hexanone	8.73	43	589675	48.638	ug/L	98
49) Dibromochloromethane	8.84	129	118968	5.132	ug/L	97
50) 1,2-Dibromoethane	8.96	107	93657	5.077	ug/L	96
51) Chlorobenzene	9.48	112	341990	5.084	ug/L	98
52) Ethylbenzene	9.60	91	534419	4.907	ug/L	97
53) m,p-Xylene	9.72	106	208782	5.079	ug/L	95
54) o-Xylene	10.13	106	199011	5.159	ug/L	92
55) Styrene	10.14	104	349191	5.383	ug/L	100
56) Isopropylbenzene	10.51	105	517683	5.119	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	120963	4.741	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	90800	5.002	ug/L	95
61) Bromoform	10.32	173	70537	4.712	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	264194	4.901	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	257081	4.805	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	251054	4.873	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17194	4.284	ug/L #	83
67) 1,3,5-Trichlorobenzene	13.24	180	170379	4.630	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	85404	4.331	ug/L	98
69) Naphthalene	14.11	128	73616	3.278	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	84227	4.313	ug/L	97

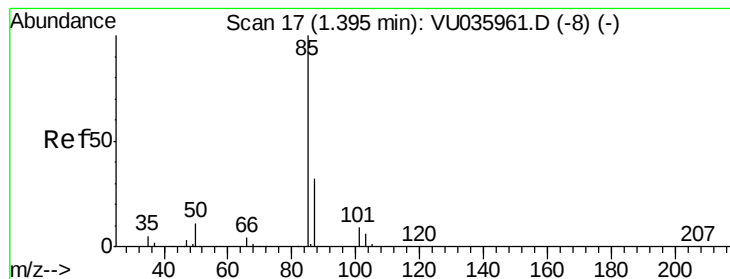
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.048 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

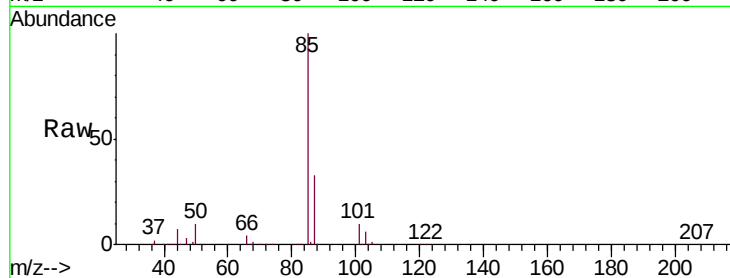
VSTD00521

Tgt Ion: 85 Resp: 159119

Ion Ratio Lower Upper

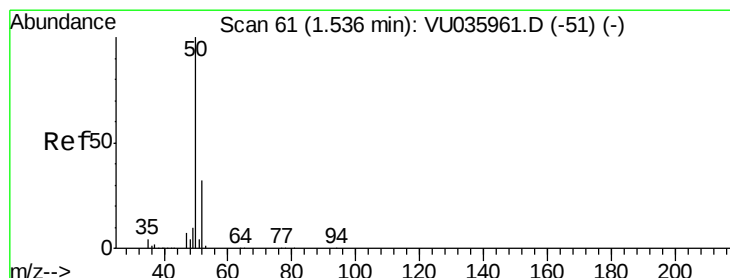
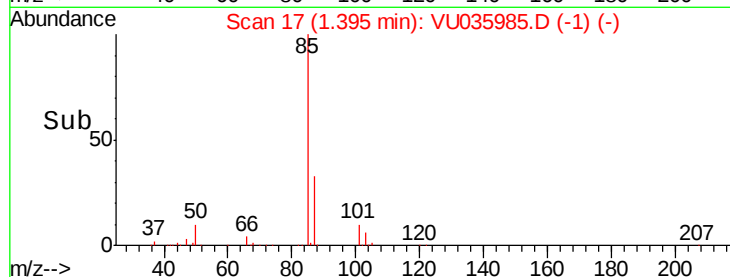
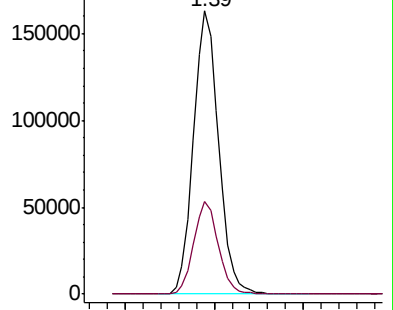
85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035961.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035961.D (-8) (-)



#3

Chloromethane

Concen: 4.766 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035985.D

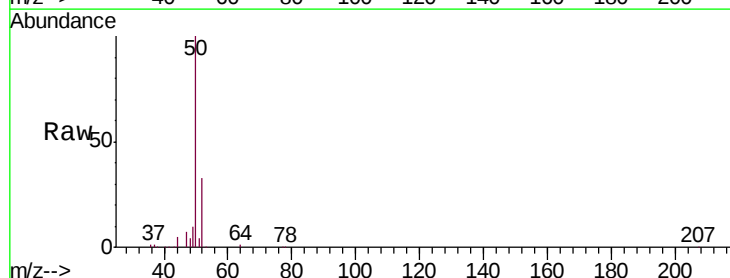
Acq: 04 Dec 2019 21:04

Tgt Ion: 50 Resp: 171573

Ion Ratio Lower Upper

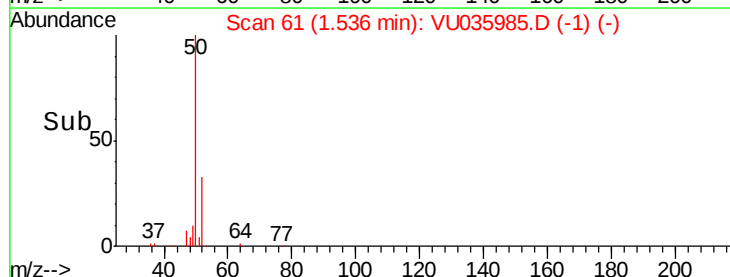
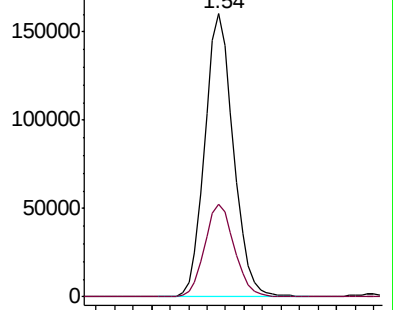
50 100

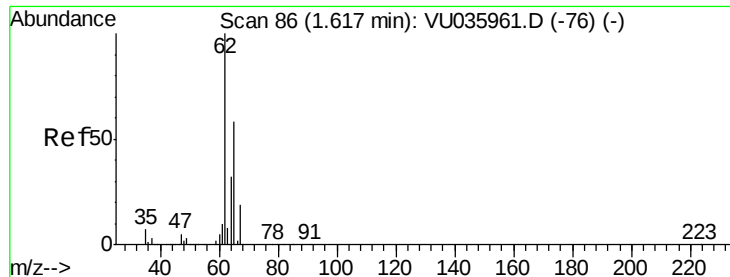
52 32.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU035961.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035961.D (-51) (-)





#5

Vinyl chloride

Concen: 5.007 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

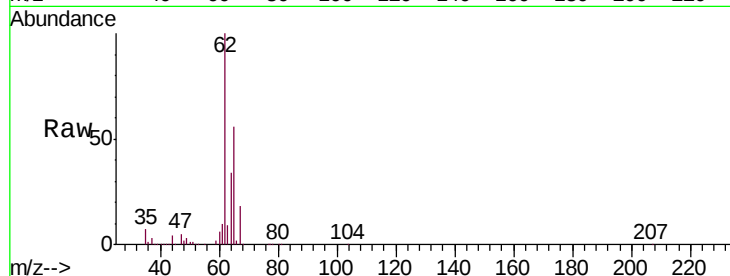
VSTD00521

Tgt Ion: 62 Resp: 182073

Ion Ratio Lower Upper

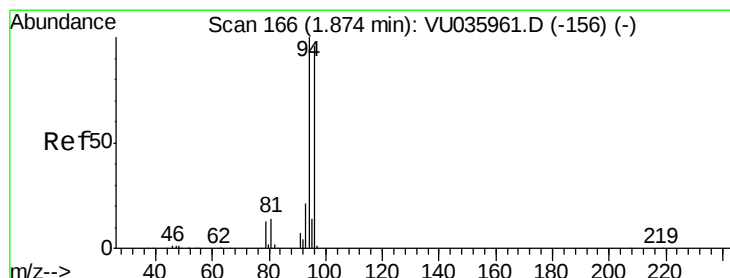
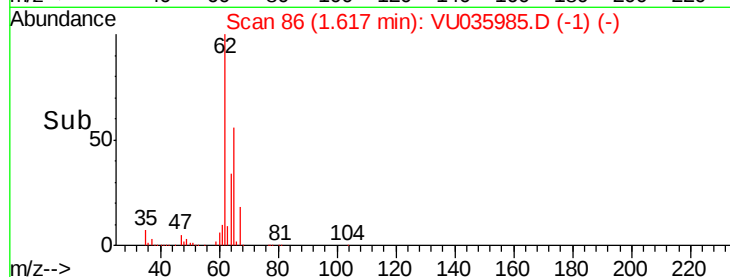
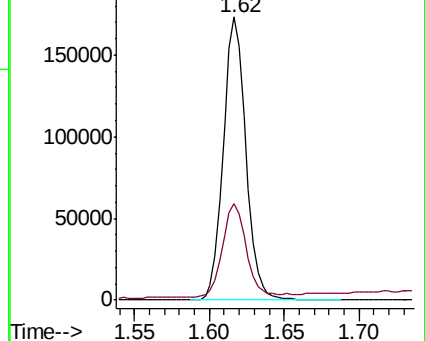
62 100

64 34.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.205 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035985.D

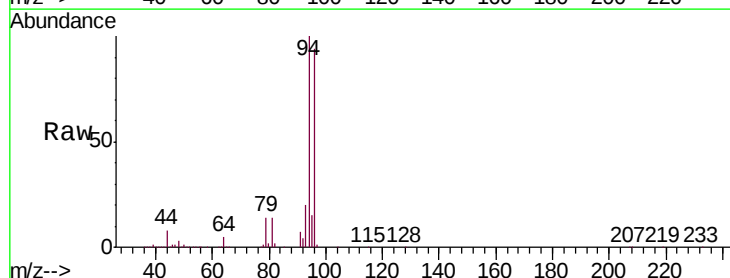
Acq: 04 Dec 2019 21:04

Tgt Ion: 94 Resp: 108537

Ion Ratio Lower Upper

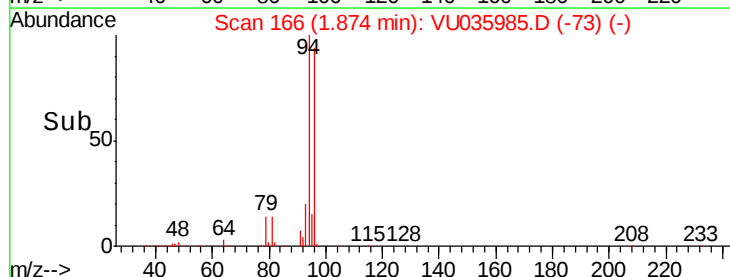
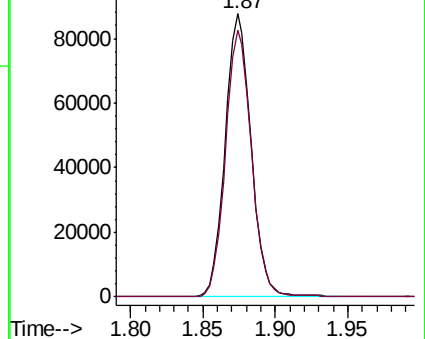
94 100

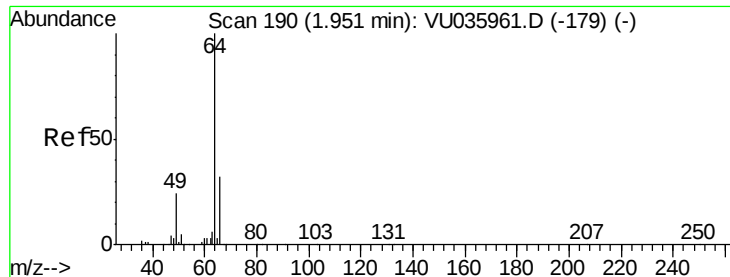
96 94.2 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

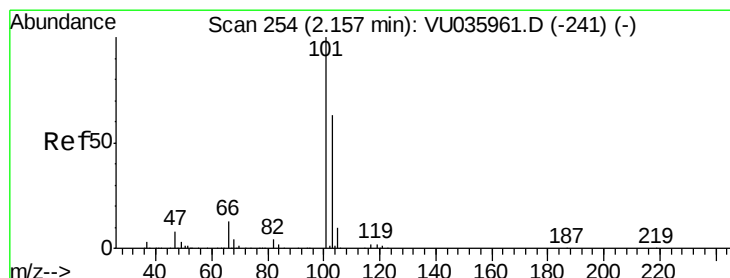
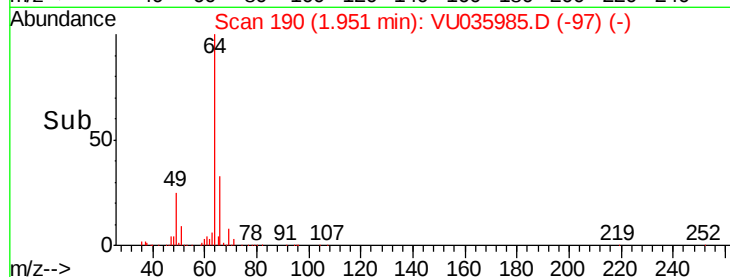
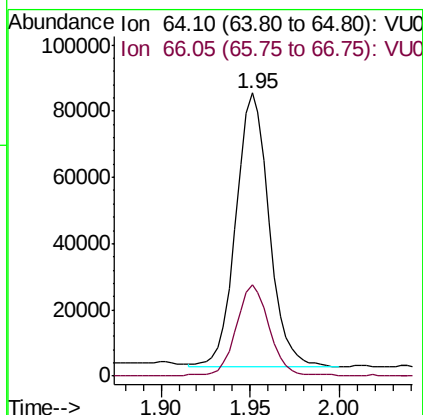
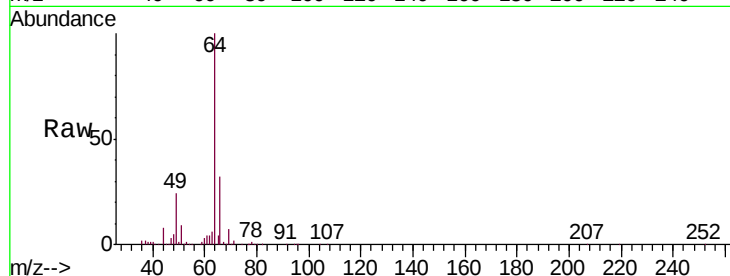




#8
Chloroethane
Concen: 4.788 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

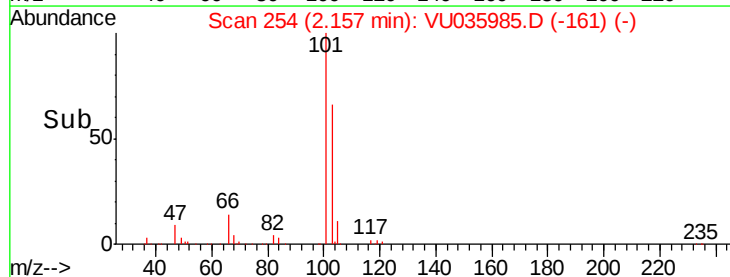
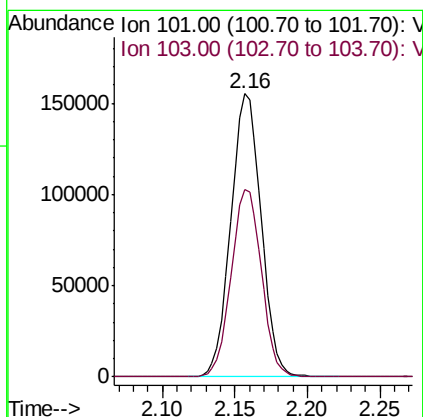
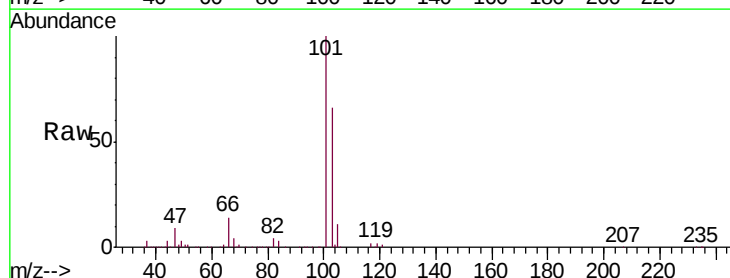
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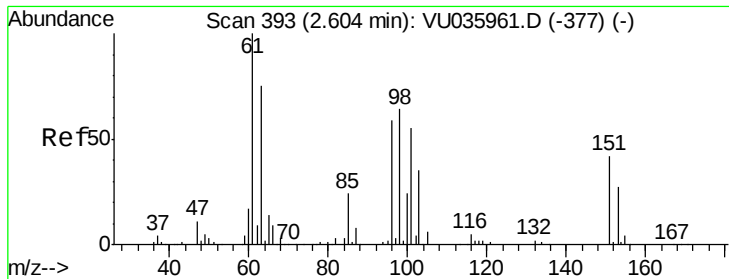
Tgt Ion: 64 Resp: 107974
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.273 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion: 101 Resp: 225131
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.220 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

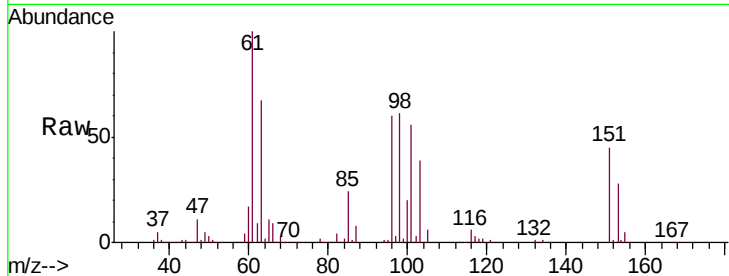
Tgt Ion: 101 Resp: 122133

Ion Ratio Lower Upper

101 100

85 42.7 35.5 53.3

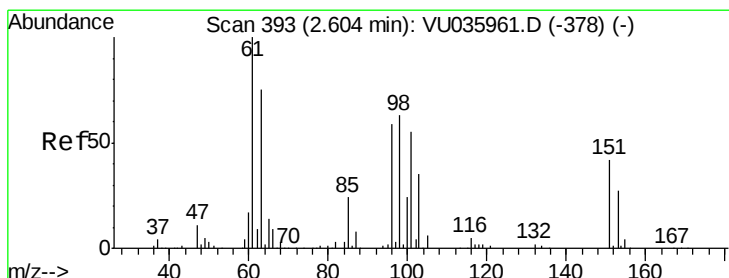
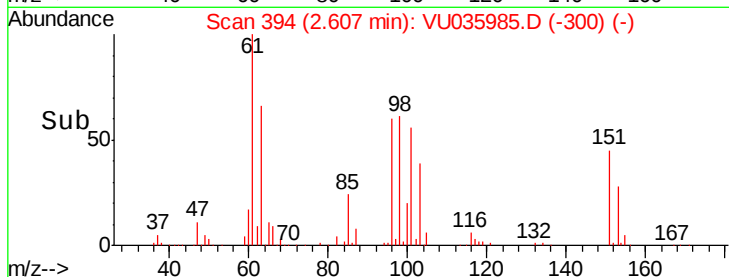
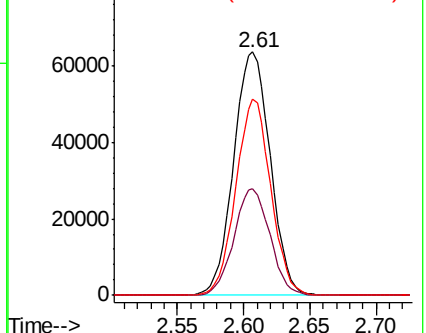
151 76.8 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.166 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

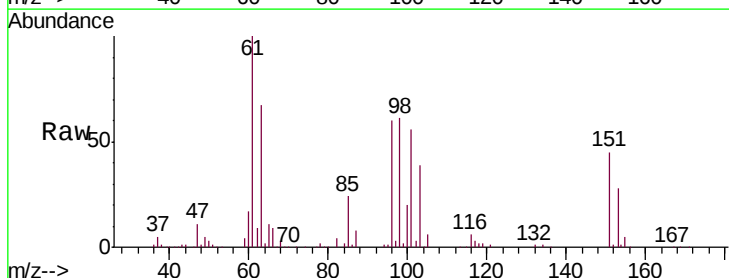
Tgt Ion: 96 Resp: 112709

Ion Ratio Lower Upper

96 100

61 165.5 127.1 236.1

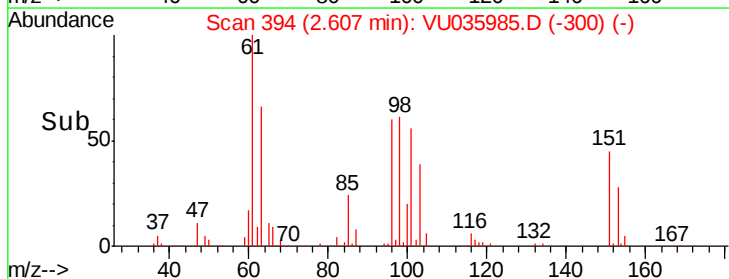
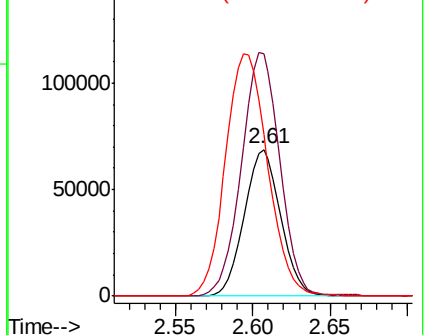
63 110.1 86.0 159.8

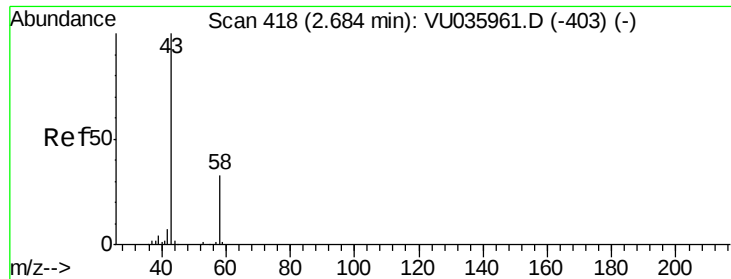


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.350 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

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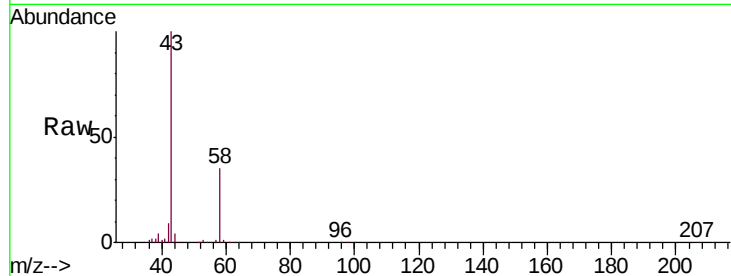
VSTD00521

Tgt Ion: 43 Resp: 229726

Ion Ratio Lower Upper

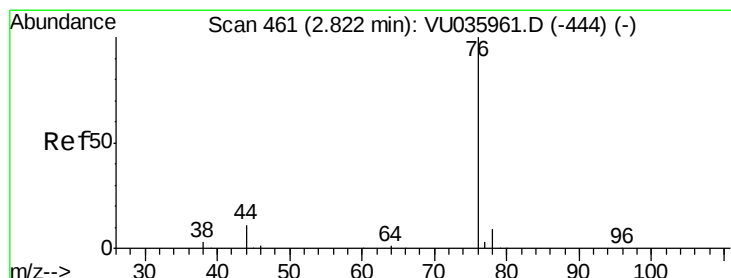
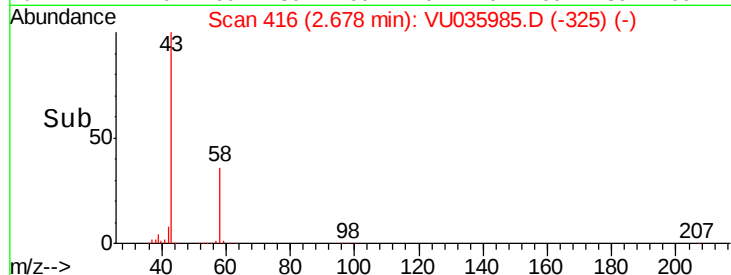
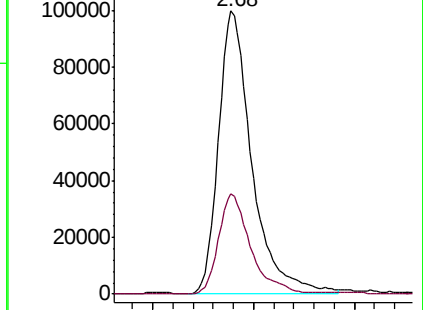
43 100

58 34.2 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035961.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035961.D (-403) (-)



#14

Carbon disulfide

Concen: 4.959 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035985.D

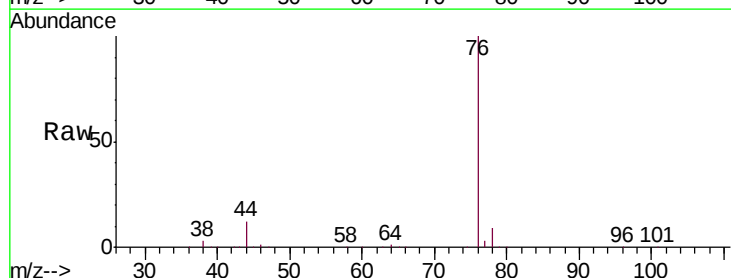
Acq: 04 Dec 2019 21:04

Tgt Ion: 76 Resp: 378964

Ion Ratio Lower Upper

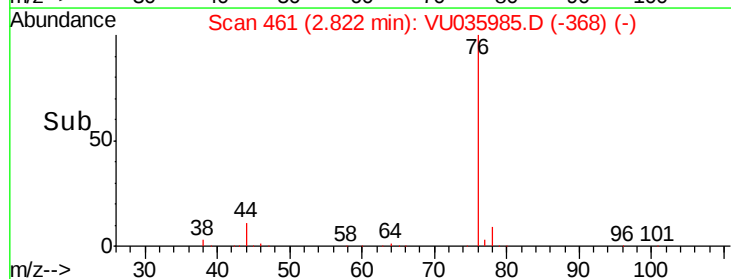
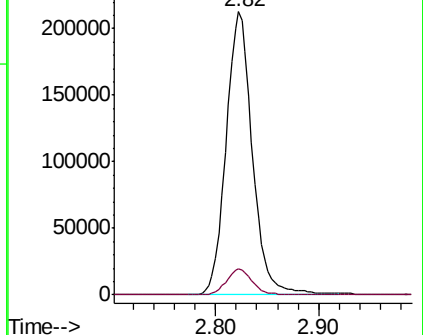
76 100

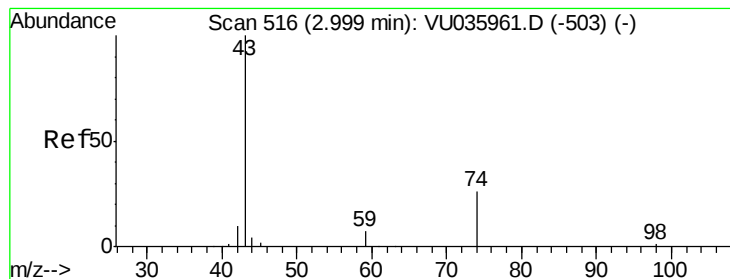
78 9.1 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU035961.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU035961.D (-444) (-)





#15

Methyl Acetate

Concen: 4.835 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampled :

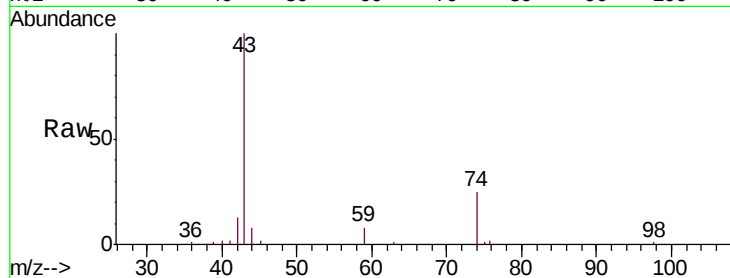
VSTD00521

Tgt Ion: 43 Resp: 48147

Ion Ratio Lower Upper

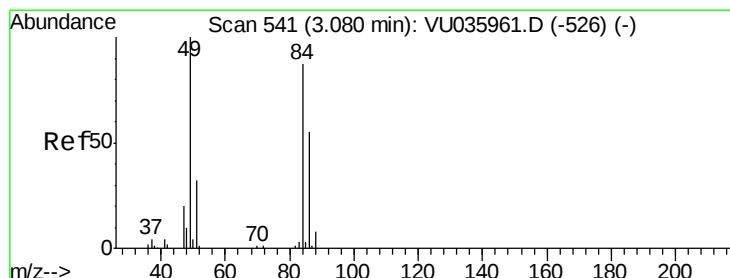
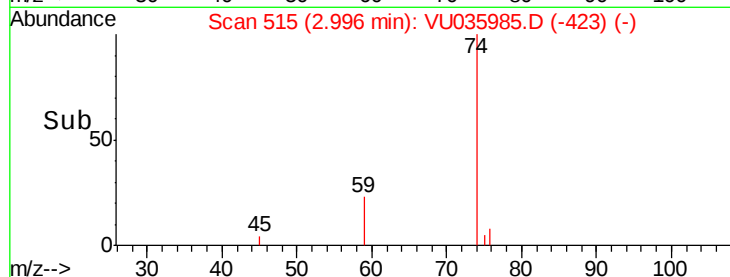
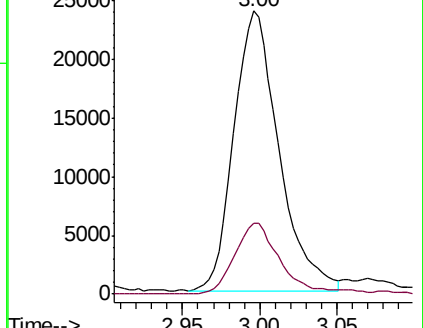
43 100

74 25.9 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VU035961.D (-503) (-)

Ion 74.05 (73.75 to 74.75): VU035961.D (-503) (-)



#16

Methylene chloride

Concen: 4.234 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

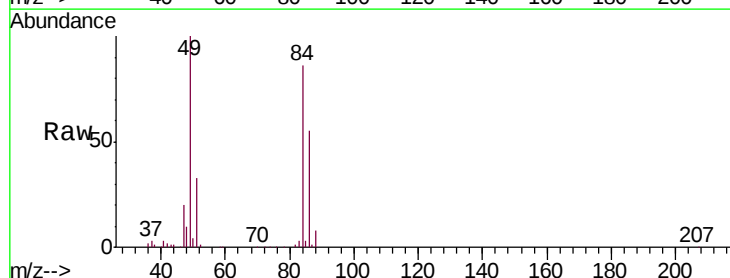
Tgt Ion: 84 Resp: 143074

Ion Ratio Lower Upper

84 100

86 64.0 44.7 82.9

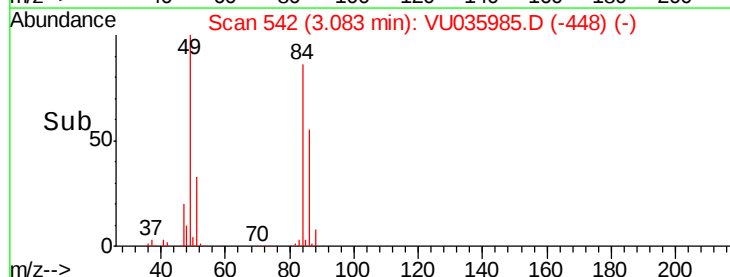
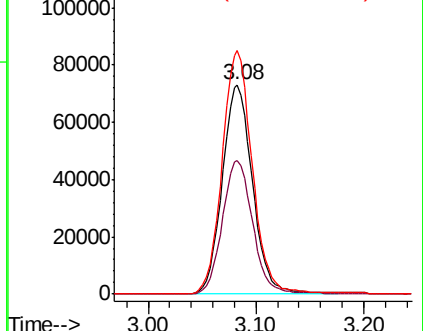
49 116.3 86.2 160.2

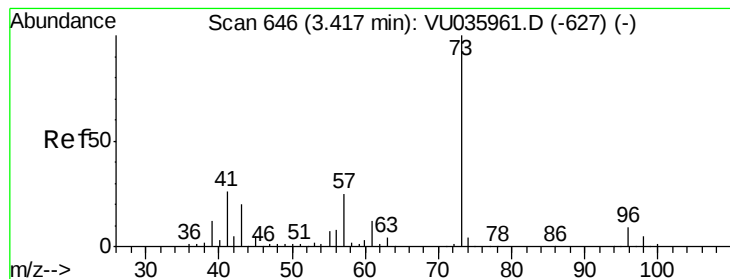


Abundance Ion 84.05 (83.75 to 84.75): VU035961.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035961.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035961.D (-526) (-)





#17

Methyl tert-butyl Ether

Concen: 4.992 ug/L

RT: 3.42 min Scan# 646

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

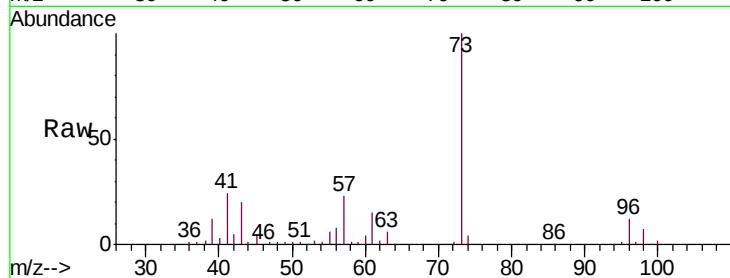
Tgt Ion: 73 Resp: 255124

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

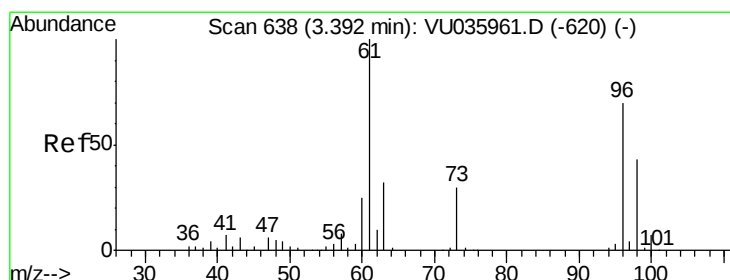
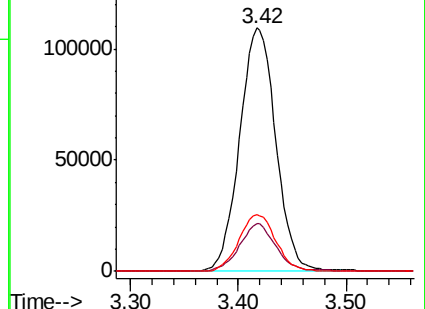
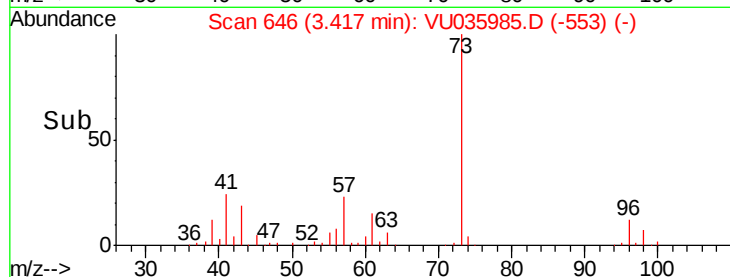
57 23.7 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VU035985.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU035985.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU035985.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.152 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

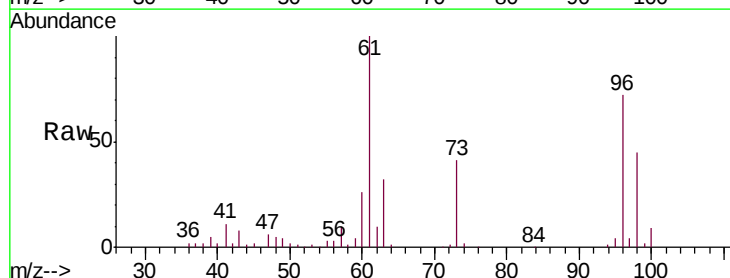
Tgt Ion: 96 Resp: 119013

Ion Ratio Lower Upper

96 100

61 139.0 101.2 187.8

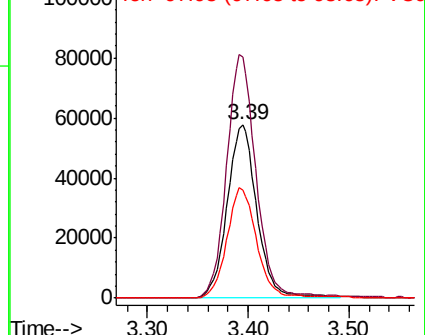
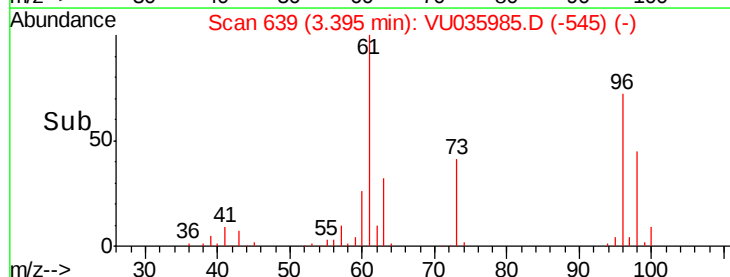
98 62.4 45.0 83.6

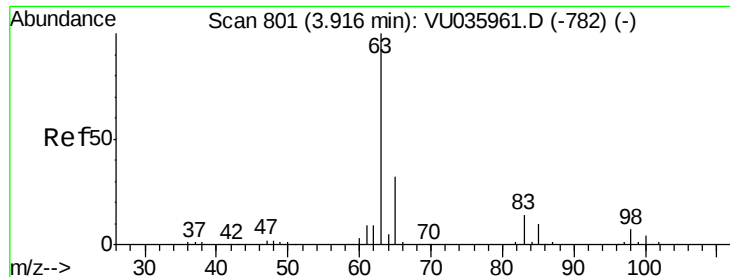


Abundance Ion 96.00 (95.70 to 96.70): VU035985.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035985.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035985.D (-545) (-)

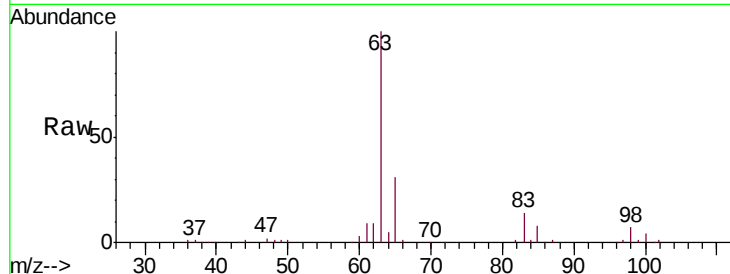




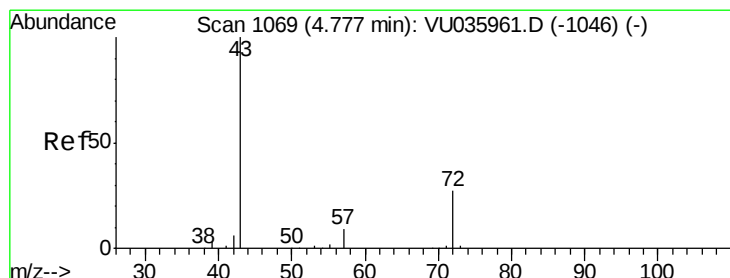
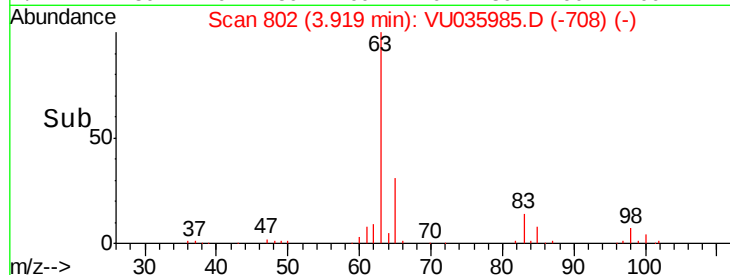
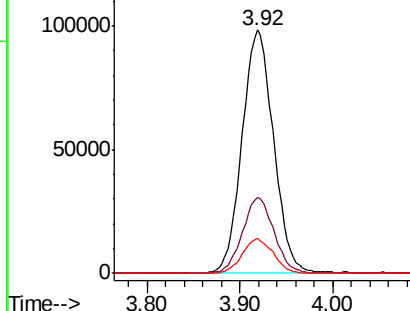
#19
 1,1-Dichloroethane
 Concen: 5.135 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 63 Resp: 231912
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.4 41.6
 83 14.3 9.8 18.2

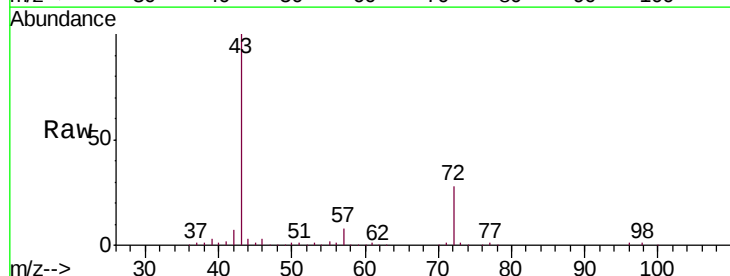


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

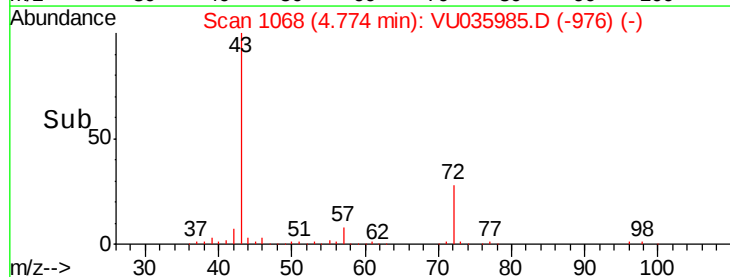
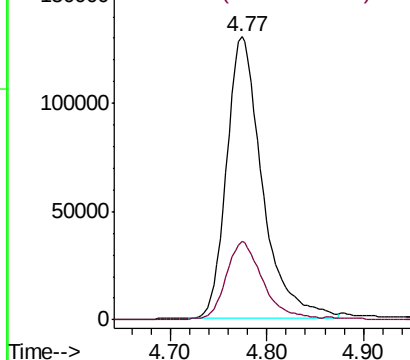


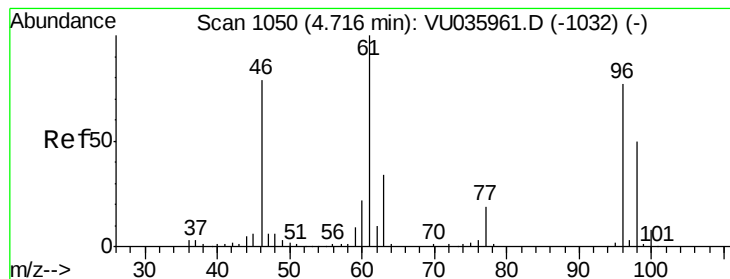
#21
 2-Butanone
 Concen: 46.820 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion: 43 Resp: 333917
 Ion Ratio Lower Upper
 43 100
 72 27.8 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.205 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

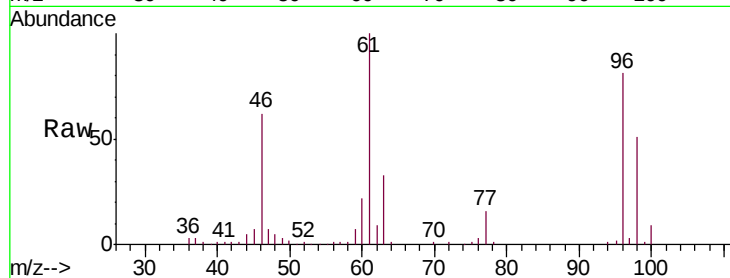
Tgt Ion: 96 Resp: 127037

Ion Ratio Lower Upper

96 100

61 123.1 95.7 177.7

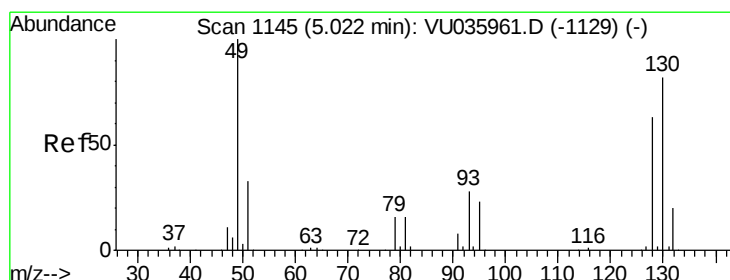
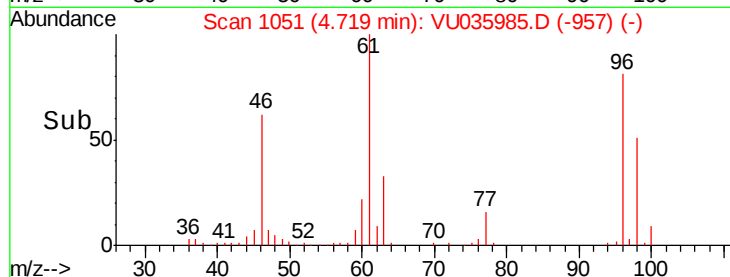
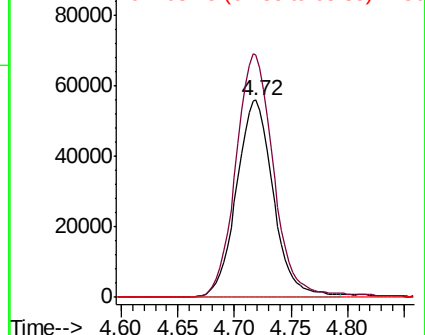
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035985.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035985.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035985.D (-957) (-)



#23

Bromochloromethane

Concen: 5.570 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Tgt Ion: 128 Resp: 62233

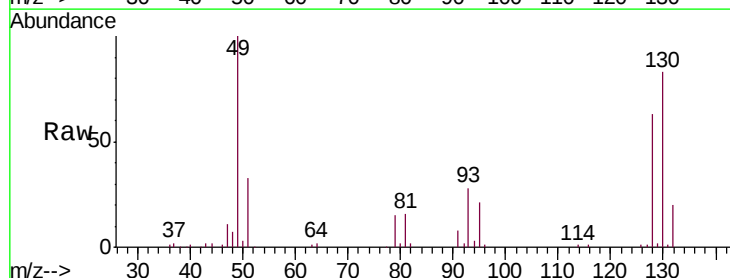
Ion Ratio Lower Upper

128 100

49 158.9 118.3 219.7

130 131.1 86.9 161.3

51 53.0 45.6 68.4

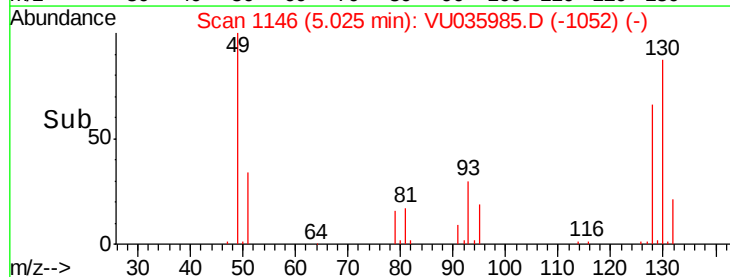
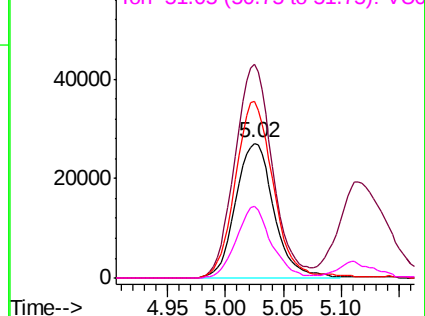


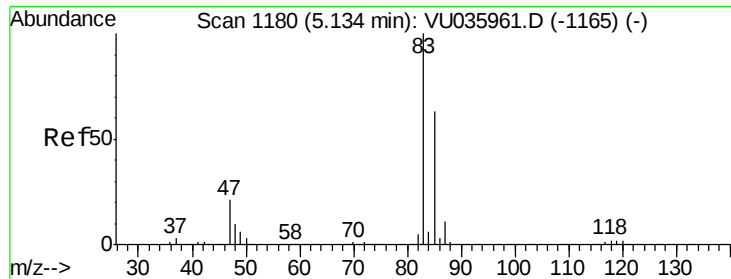
Abundance Ion 127.90 (127.60 to 128.60): VU035985.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU035985.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU035985.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU035985.D (-1052) (-)

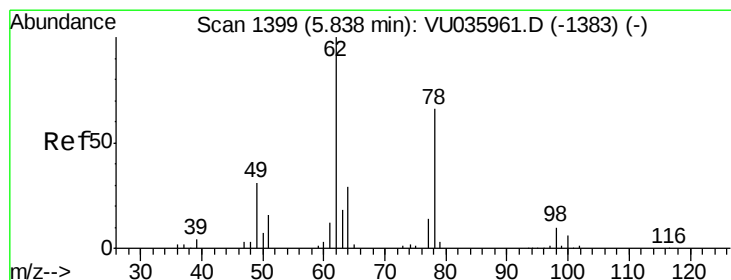
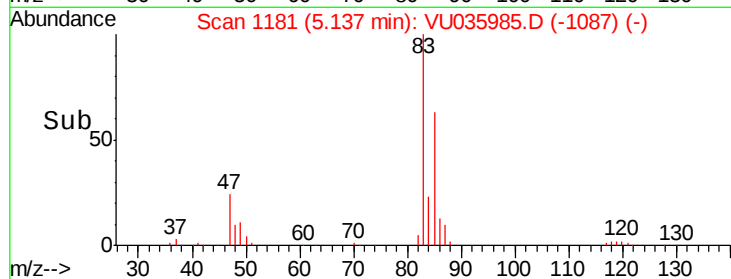
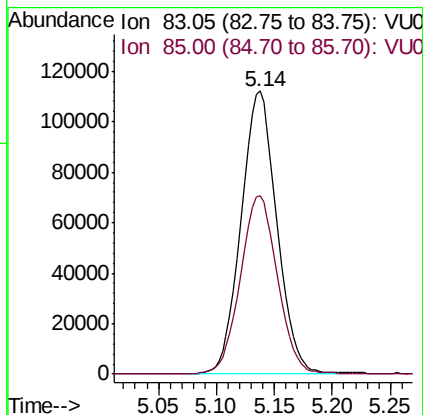
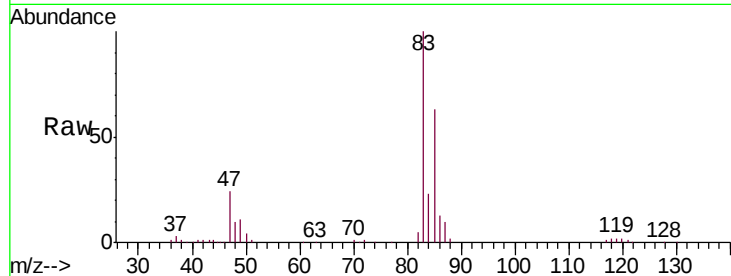




#25
Chloroform
Concen: 5.291 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

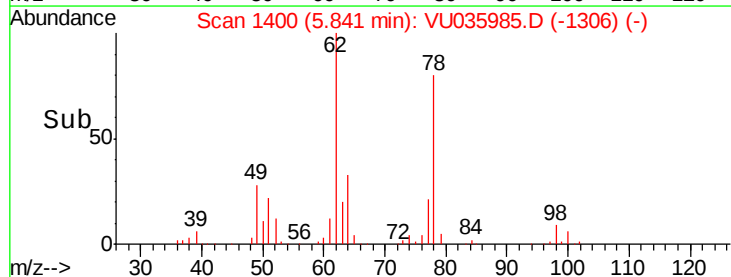
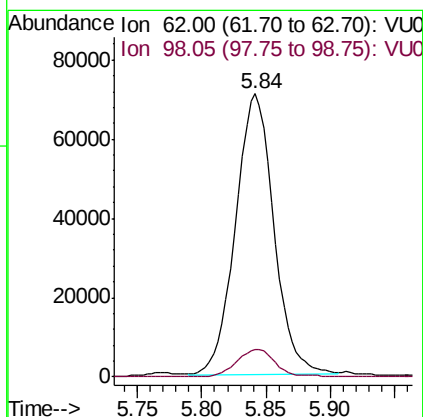
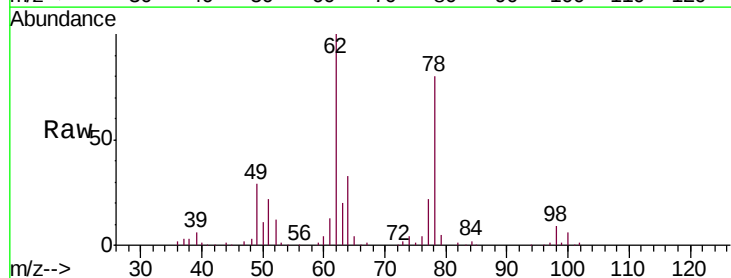
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

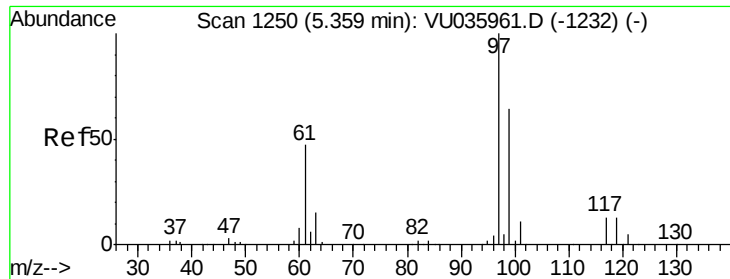
Tgt Ion: 83 Resp: 241082
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.062 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion: 62 Resp: 147422
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

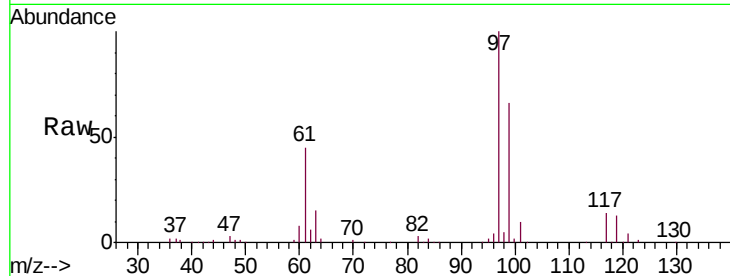




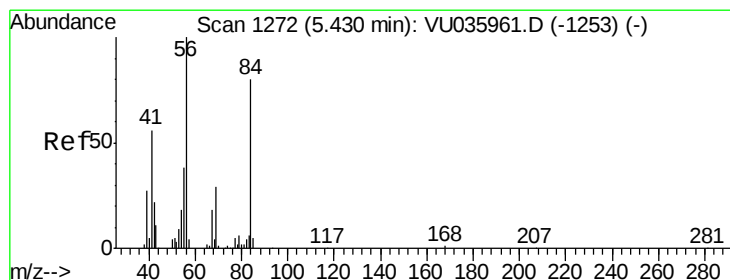
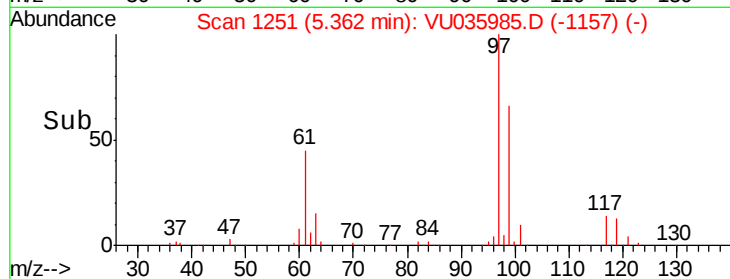
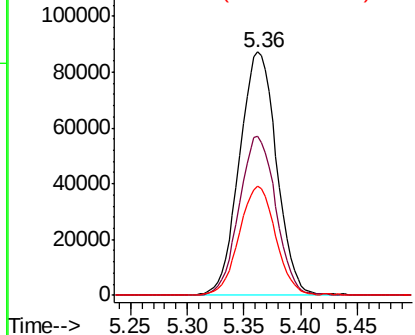
#29
 1,1,1-Trichloroethane
 Concen: 5.026 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 97 Resp: 199363
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.8 77.8
 61 44.0 37.6 56.4

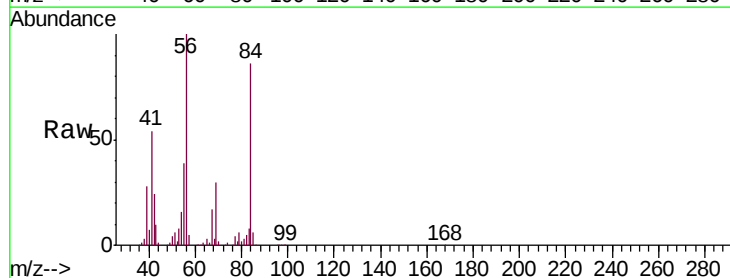


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

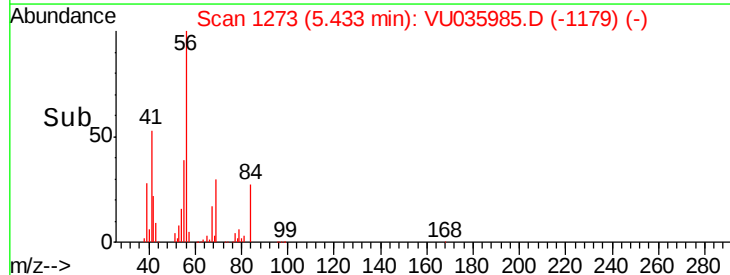
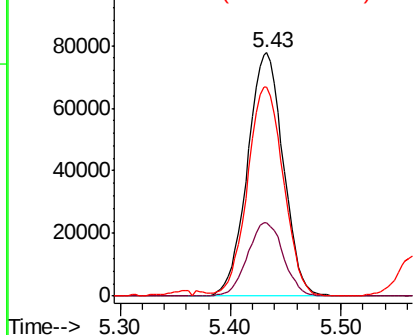


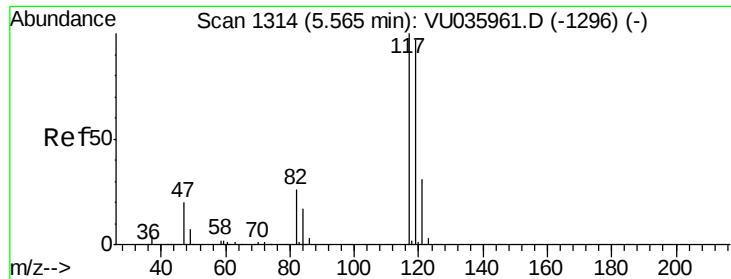
#30
 Cyclohexane
 Concen: 4.451 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion: 56 Resp: 174345
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.0 36.0
 84 85.7 66.9 100.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

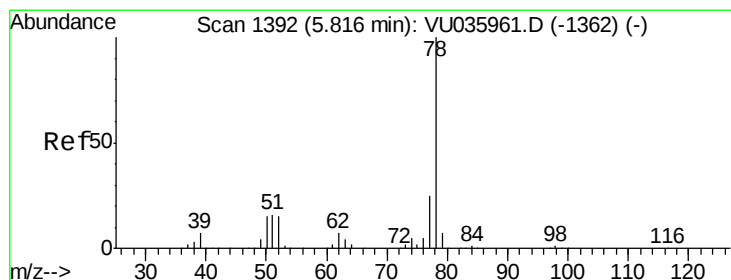
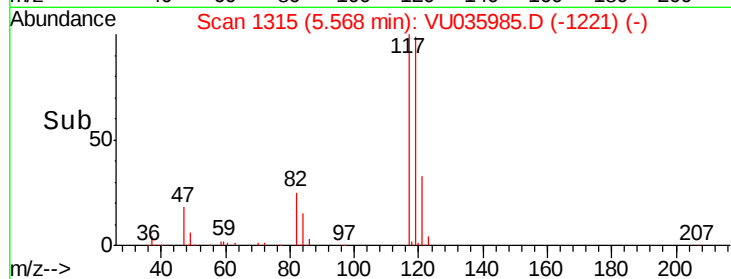
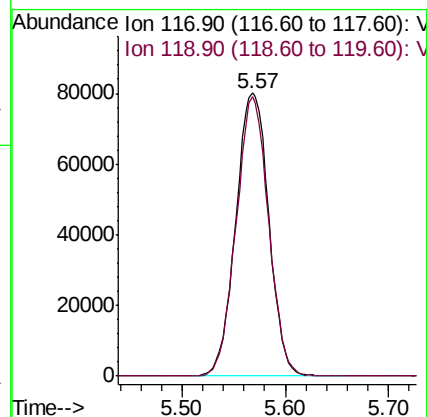
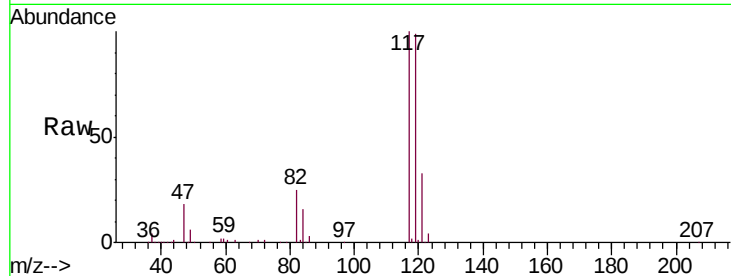




#31
Carbon tetrachloride
Concen: 5.080 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

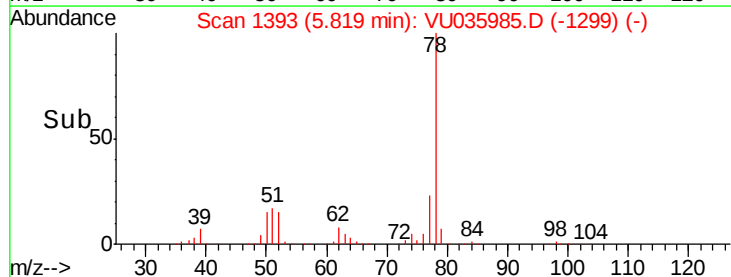
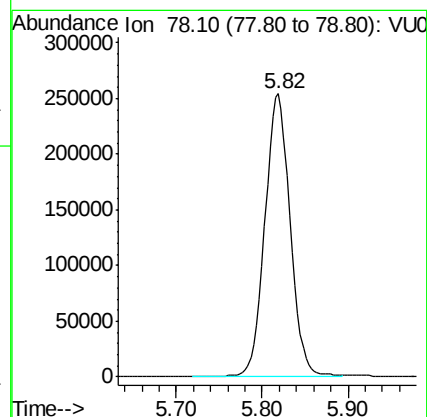
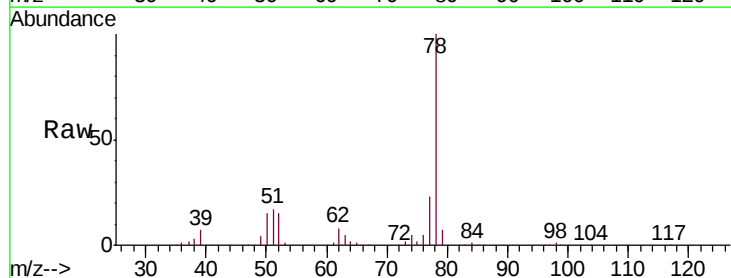
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

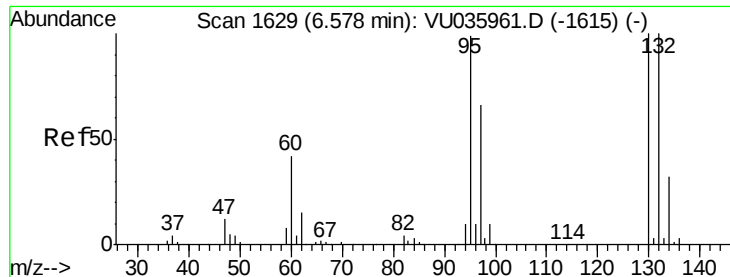
Tgt Ion:117 Resp: 178624
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3



#33
Benzene
Concen: 5.061 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion: 78 Resp: 521944

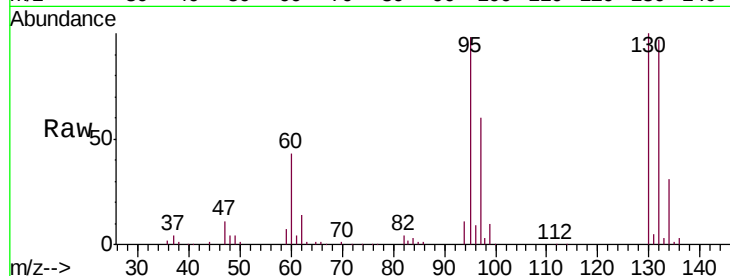




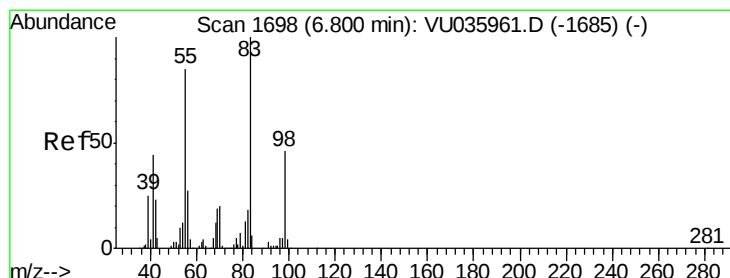
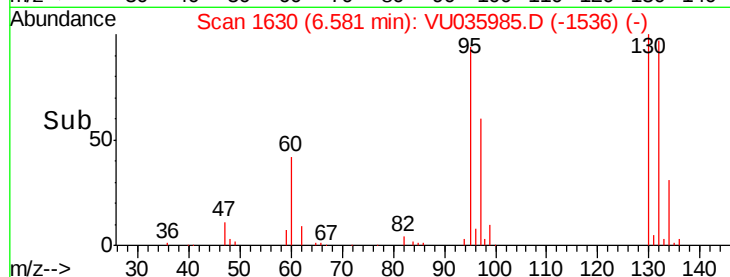
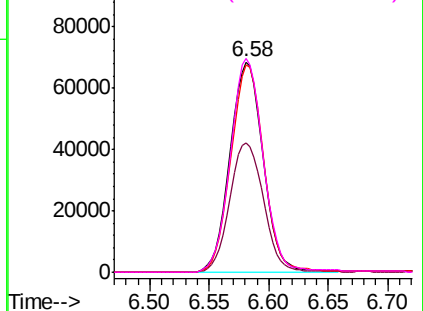
#34
 Trichloroethene
 Concen: 5.096 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	95	Resp:	132917
Ion	Ratio	Lower	Upper
95	100		
97	61.5	46.3	85.9
132	98.8	65.7	122.1
130	101.7	69.2	128.6

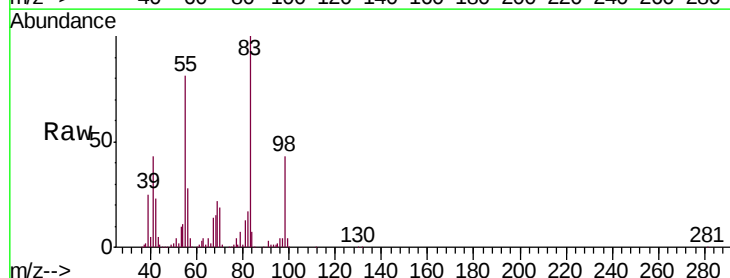


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

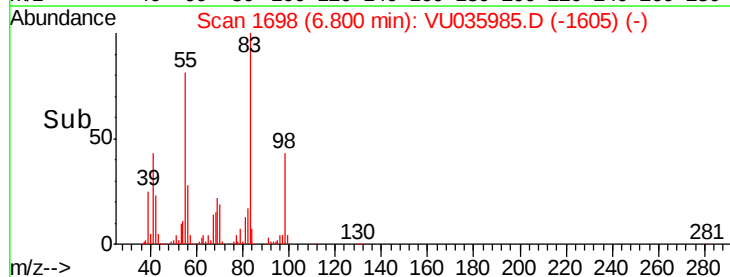
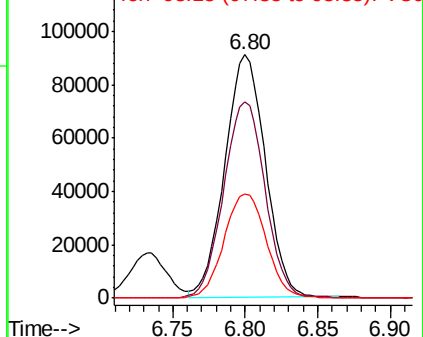


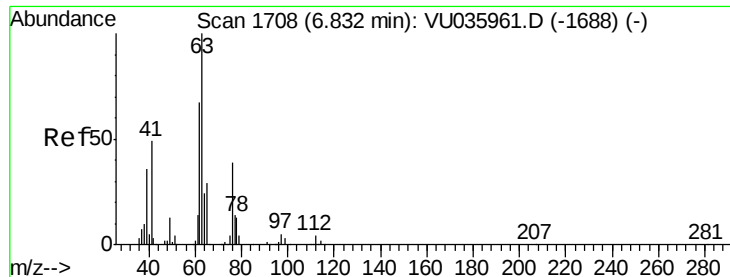
#35
 Methylcyclohexane
 Concen: 4.516 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion:	83	Resp:	176602
Ion	Ratio	Lower	Upper
83	100		
55	82.8	67.4	101.0
98	45.0	34.6	52.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

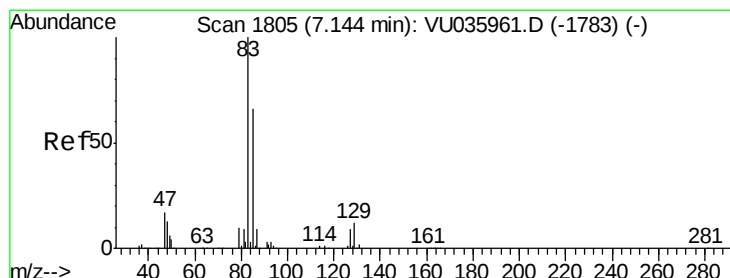
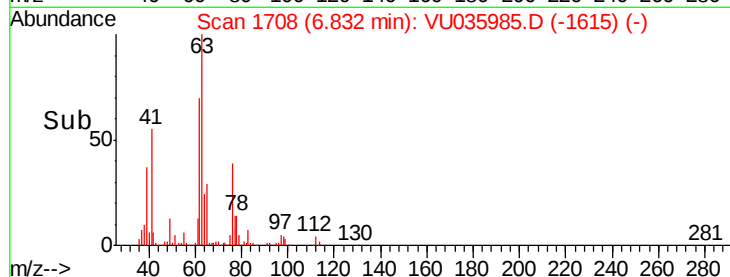
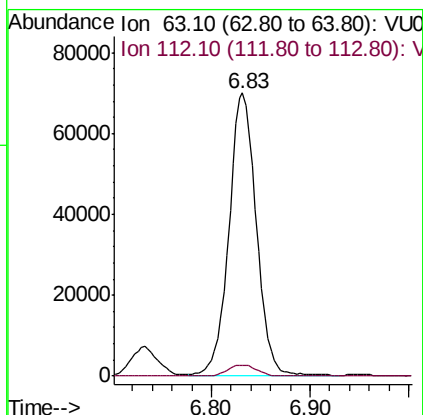
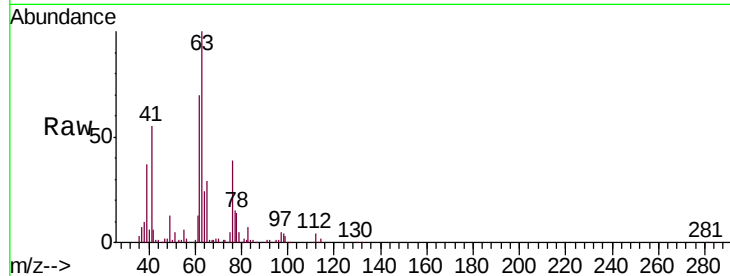




#37
 1,2-Dichloropropane
 Concen: 4.840 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

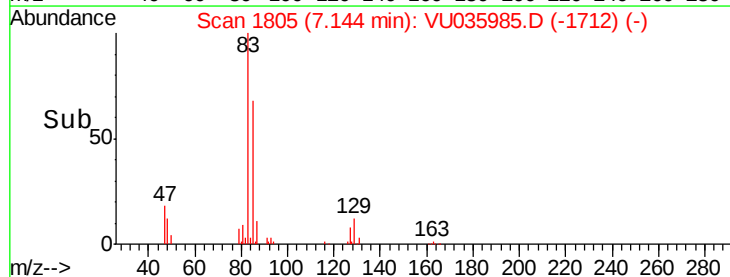
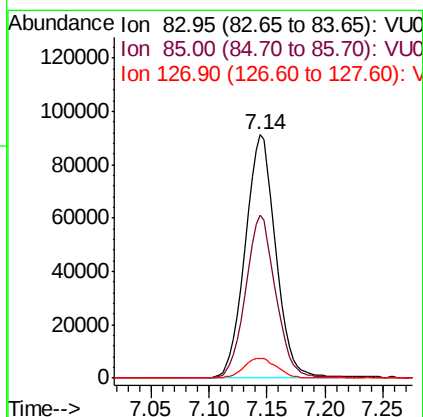
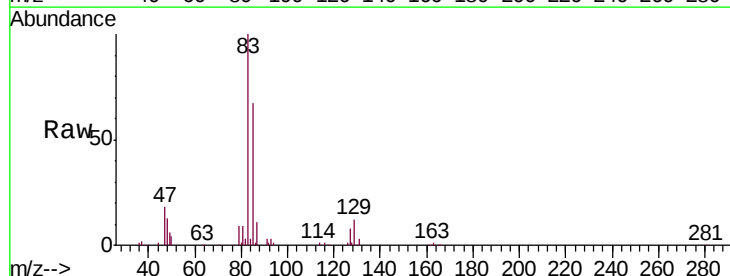
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

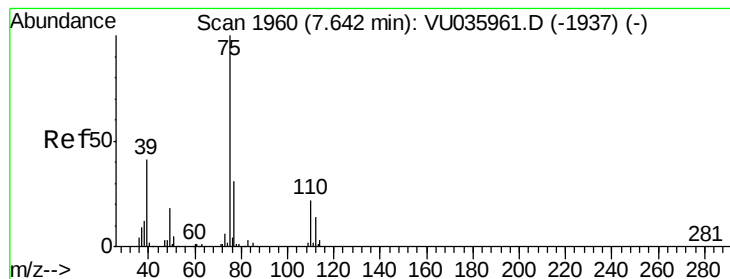
Tgt Ion: 63 Resp: 135170
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.021 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion: 83 Resp: 167808
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.0 81.8
 127 8.1 6.5 9.7



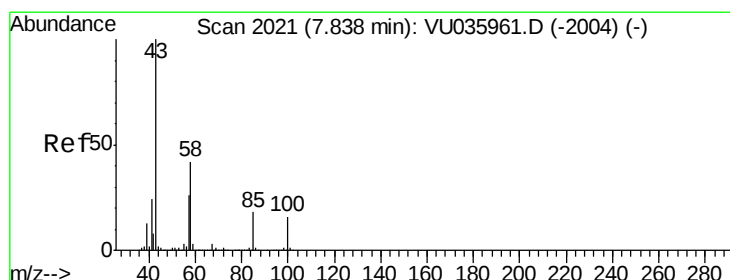
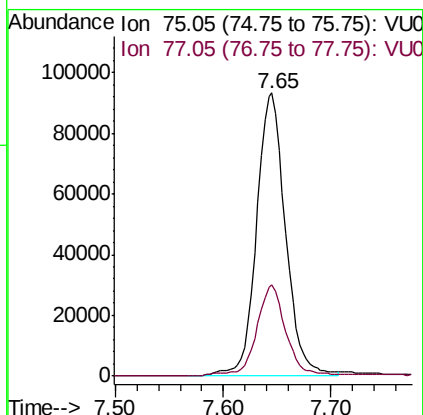
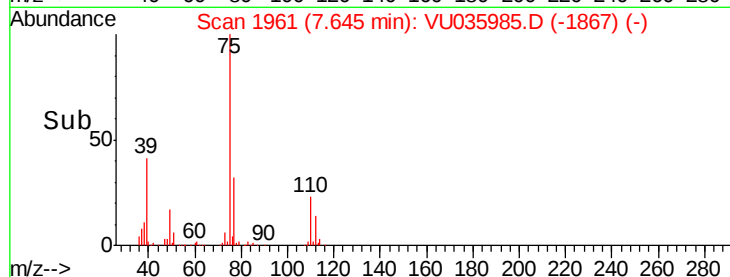
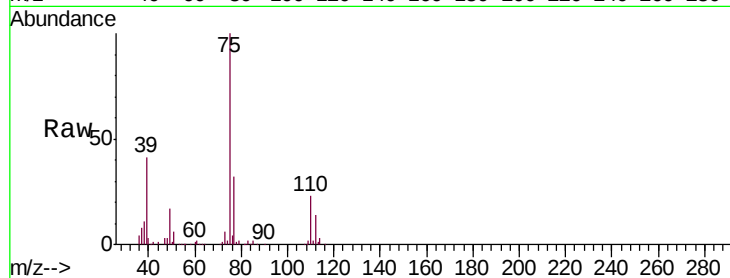


#39

cis-1,3-Dichloropropene
Concen: 4.696 ug/L
RT: 7.65 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

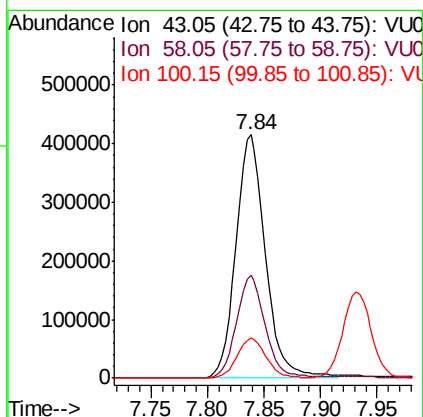
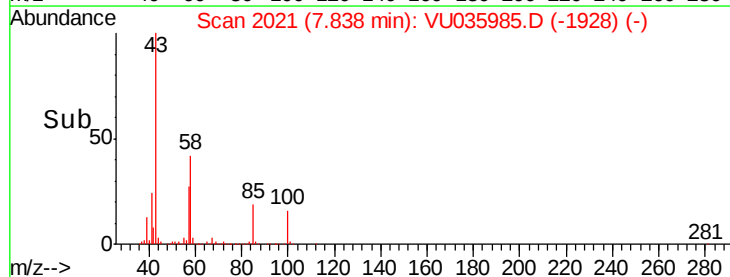
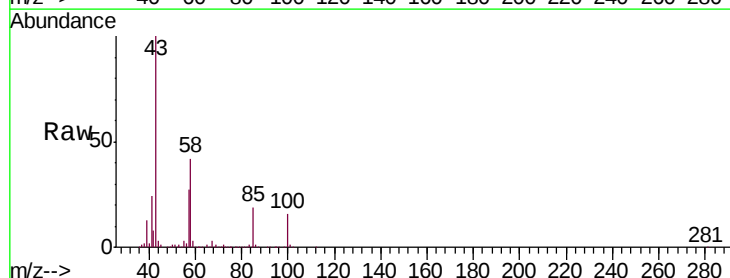
Tgt Ion: 75 Resp: 173992
Ion Ratio Lower Upper
75 100
77 32.1 21.9 40.7

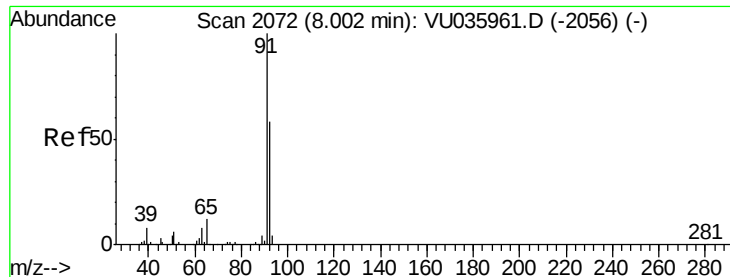


#40

4-Methyl-2-pentanone
Concen: 46.027 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion: 43 Resp: 755442
Ion Ratio Lower Upper
43 100
58 41.3 32.3 48.5
100 16.2 11.7 17.5





#42

Toluene

Concen: 5.227 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

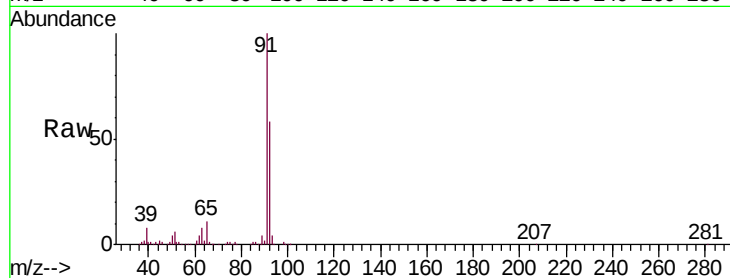
VSTD00521

Tgt Ion: 91 Resp: 563083

Ion Ratio Lower Upper

91 100

92 57.6 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU035961.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU035961.D (-2056) (-)

8.00

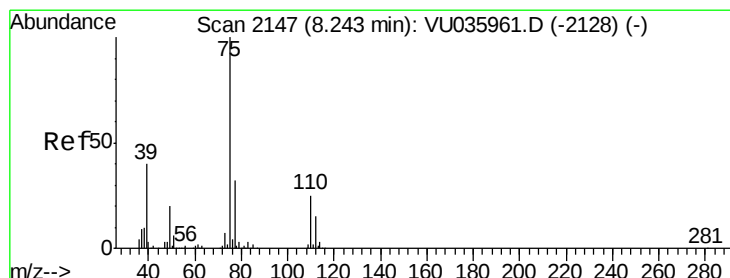
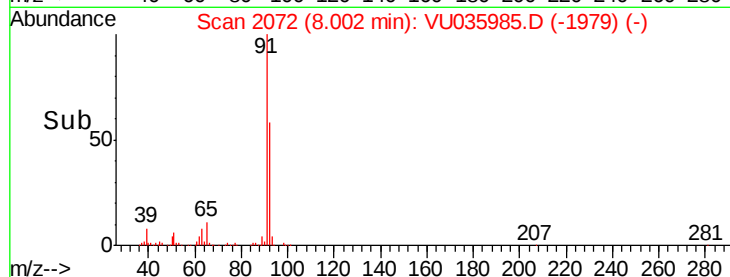
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.783 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035985.D

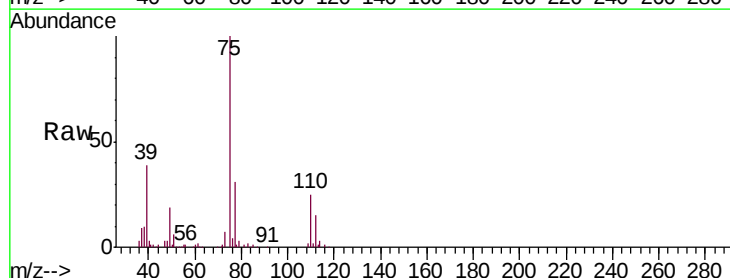
Acq: 04 Dec 2019 21:04

Tgt Ion: 75 Resp: 151536

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU035961.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035961.D (-2128) (-)

8.25

80000

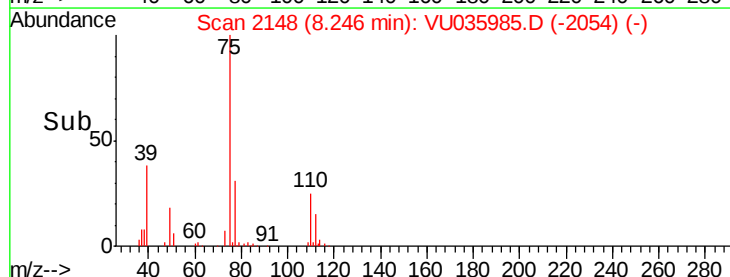
60000

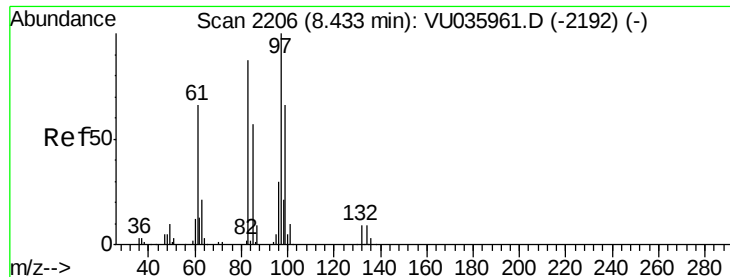
40000

20000

0

Time-->

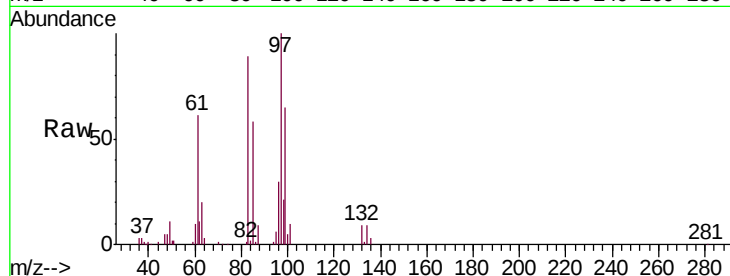




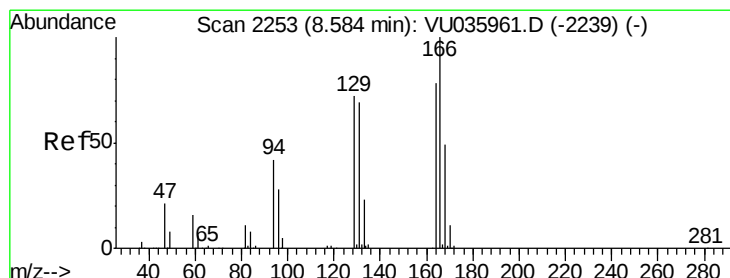
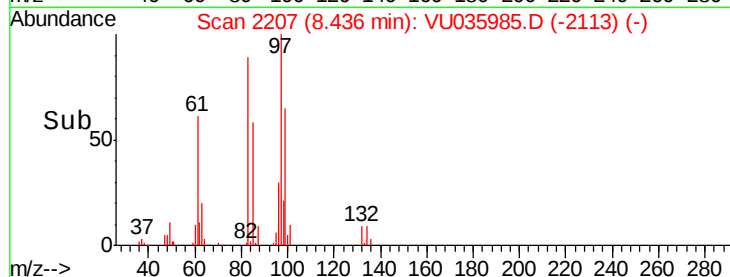
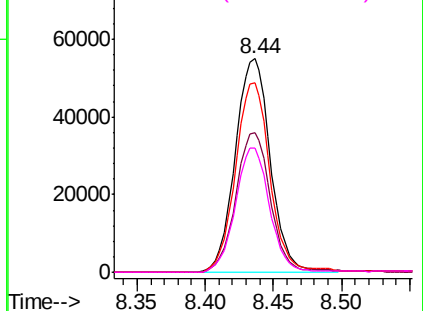
#45
 1,1,2-Trichloroethane
 Concen: 5.185 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	97	Resp:	98579
Ion	Ratio	Lower	Upper
97	100		
99	65.4	45.0	83.6
83	88.8	62.1	115.3
85	58.0	41.4	77.0

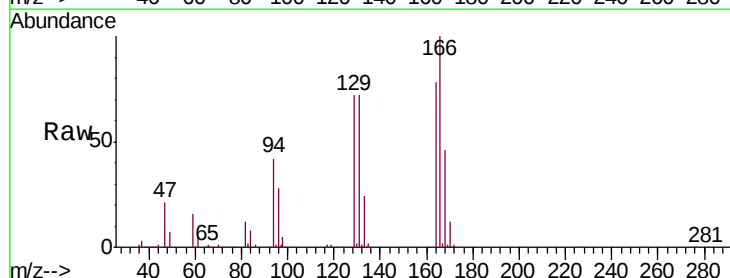


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

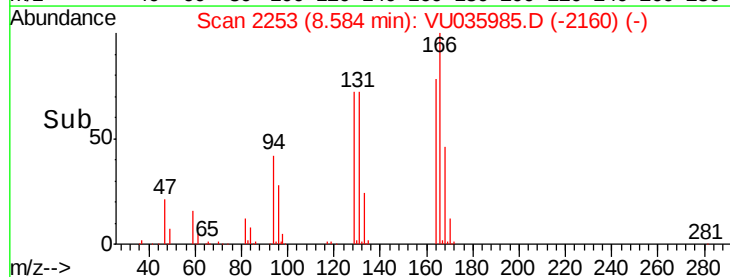
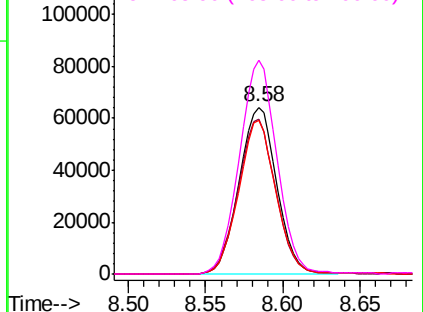


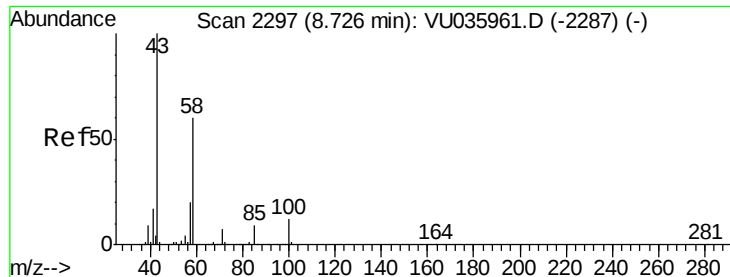
#47
 Tetrachloroethene
 Concen: 5.113 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion:	164	Resp:	108381
Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.9	126.1
131	92.5	64.1	119.1
166	128.3	92.6	172.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

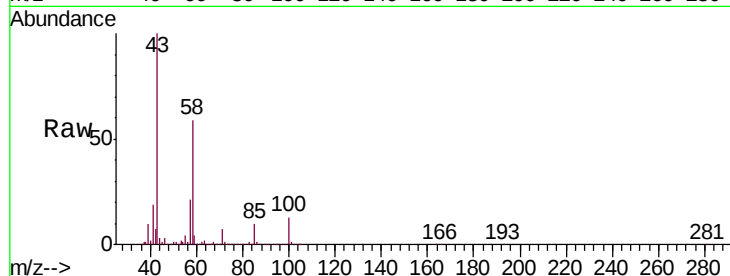




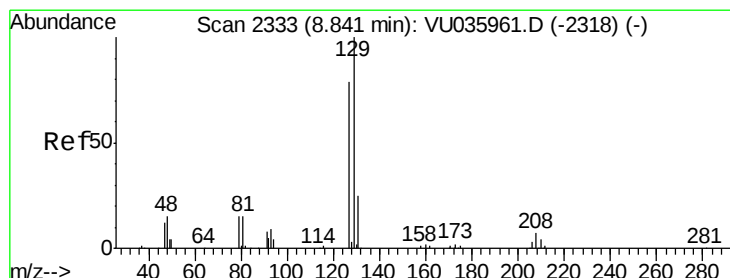
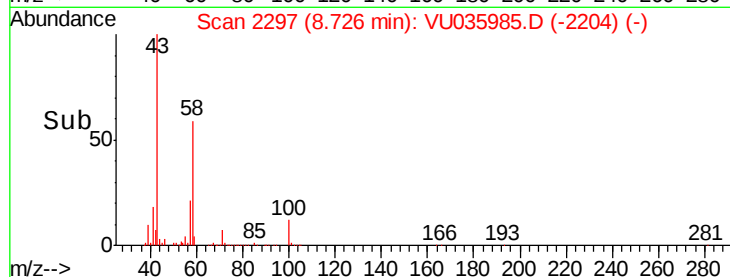
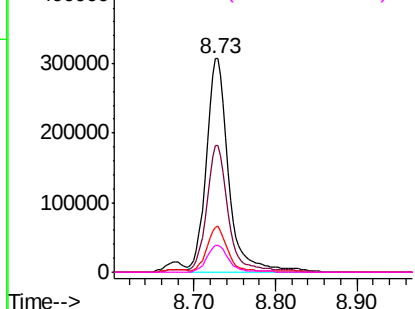
#48
2-Hexanone
Concen: 48.638 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 43 Resp: 589675
Ion Ratio Lower Upper
43 100
58 55.2 45.4 68.2
57 19.3 14.9 22.3
100 12.6 8.6 13.0

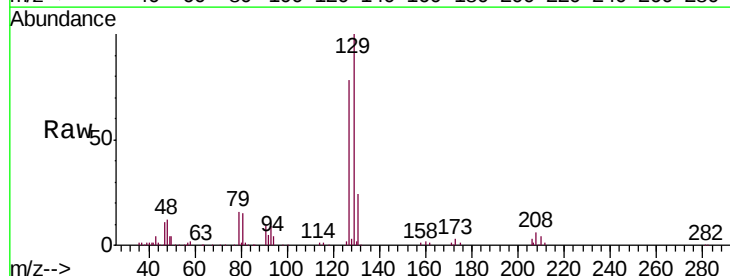


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

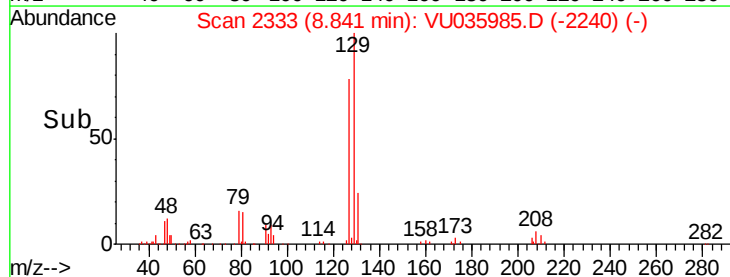
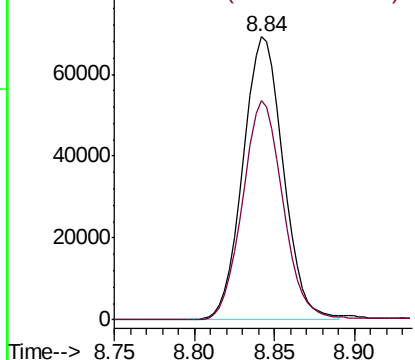


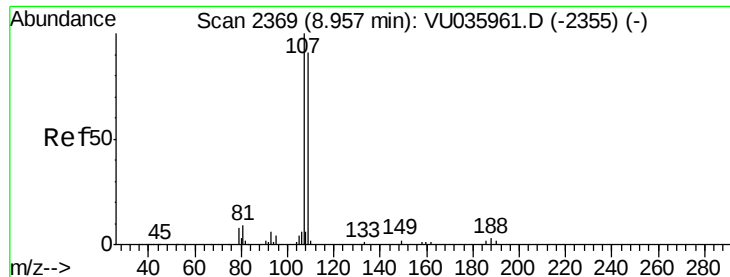
#49
Dibromochloromethane
Concen: 5.132 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion: 129 Resp: 118968
Ion Ratio Lower Upper
129 100
127 77.5 52.8 98.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

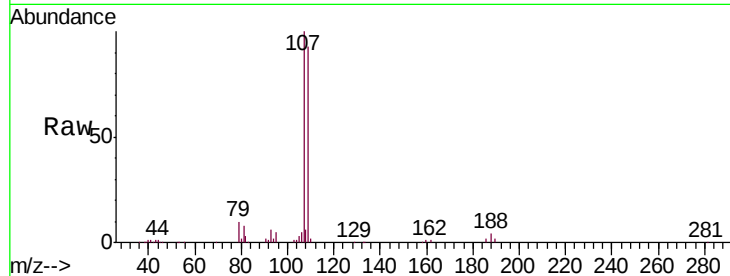




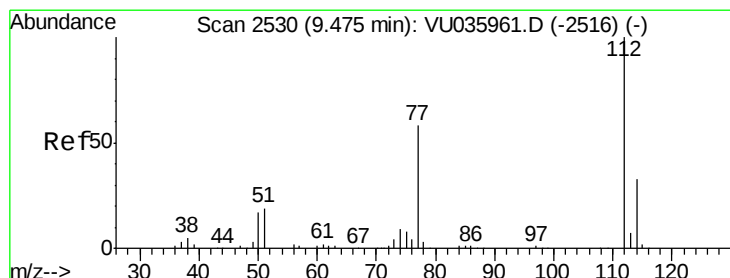
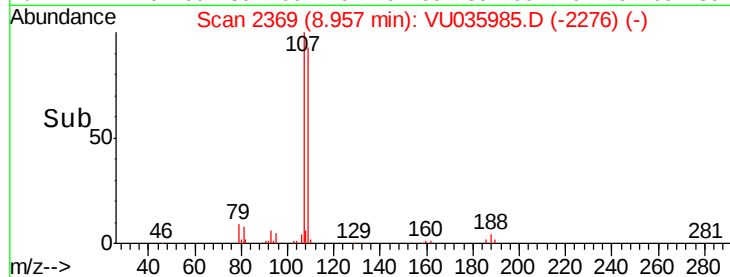
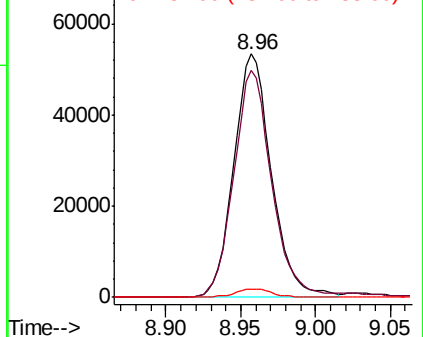
#50
1,2-Dibromoethane
Concen: 5.077 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:107 Resp: 93657
Ion Ratio Lower Upper
107 100
109 93.3 62.5 116.1
188 3.6 3.0 4.6

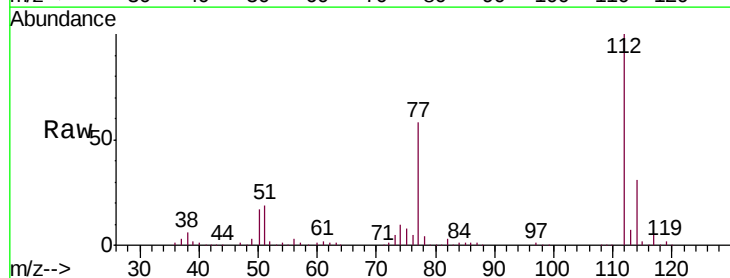


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

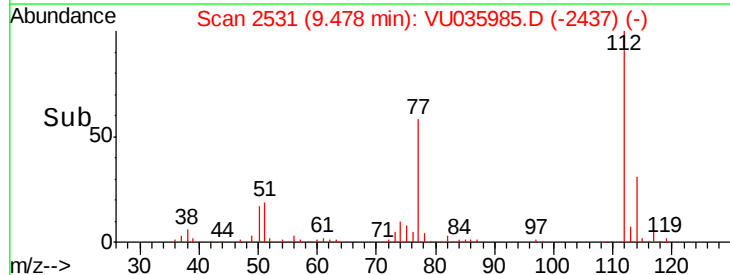
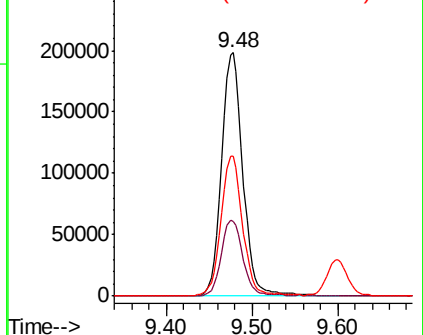


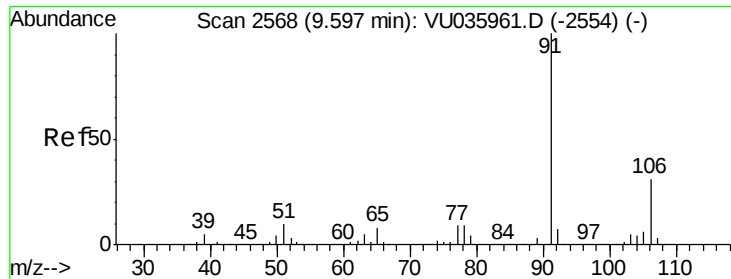
#51
Chlorobenzene
Concen: 5.084 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion:112 Resp: 341990
Ion Ratio Lower Upper
112 100
114 30.8 22.5 41.7
77 57.6 47.7 71.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.907 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

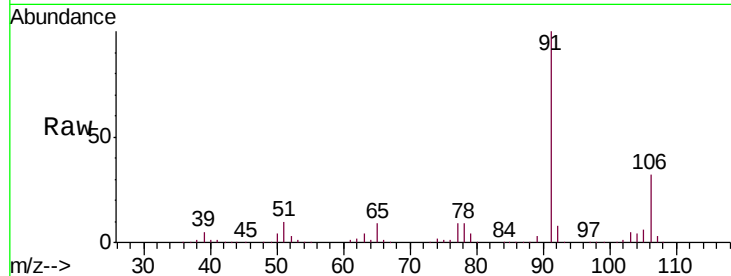
VSTD00521

Tgt Ion: 91 Resp: 534419

Ion Ratio Lower Upper

91 100

106 32.0 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU035961.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035961.D (-2554) (-)

9.60

300000

200000

100000

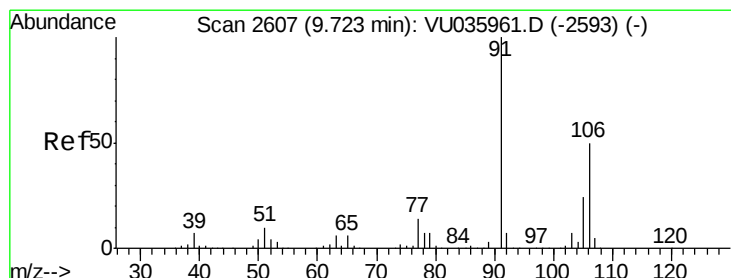
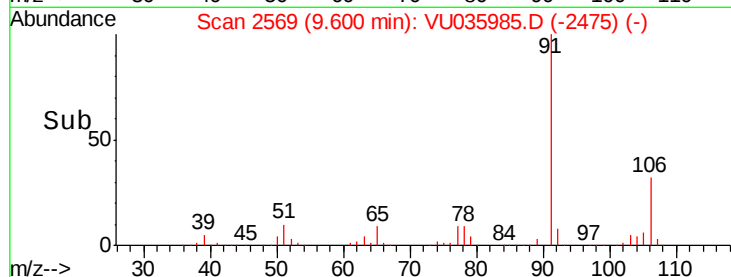
0

Time-->

9.50

9.60

9.70



#53

m,p-Xylene

Concen: 5.079 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035985.D

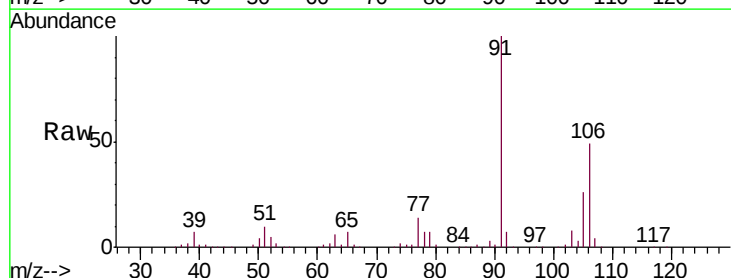
Acq: 04 Dec 2019 21:04

Tgt Ion: 106 Resp: 208782

Ion Ratio Lower Upper

106 100

91 205.7 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU035961.D (-2593) (-)

Ion 91.15 (90.85 to 91.85): VU035961.D (-2593) (-)

9.72

300000

250000

200000

150000

100000

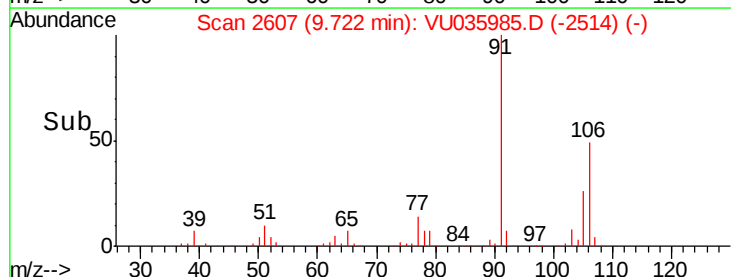
50000

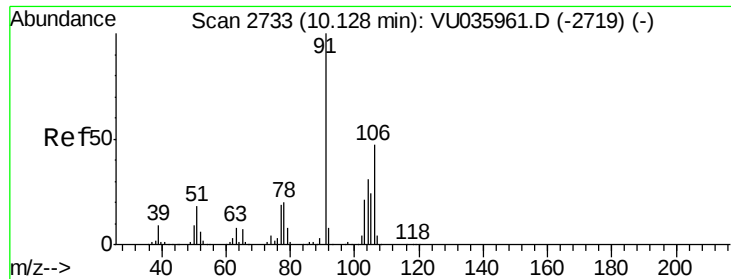
0

Time-->

9.70

9.80

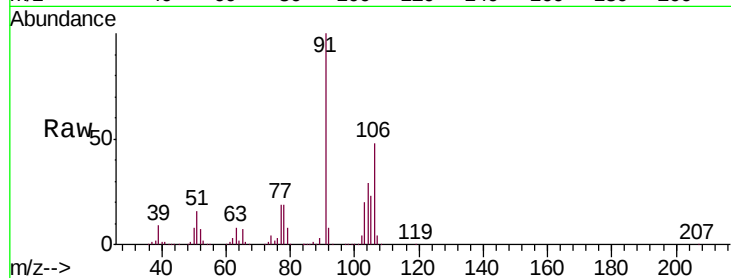




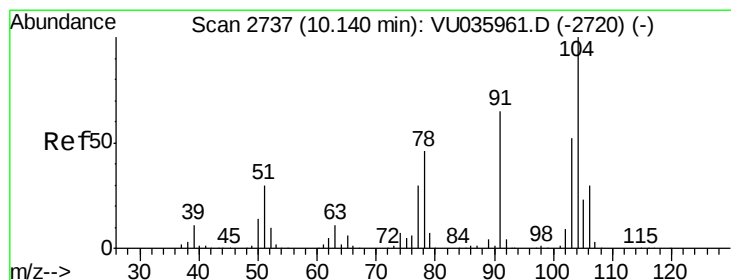
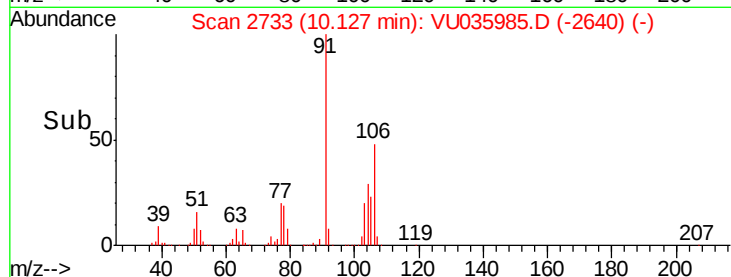
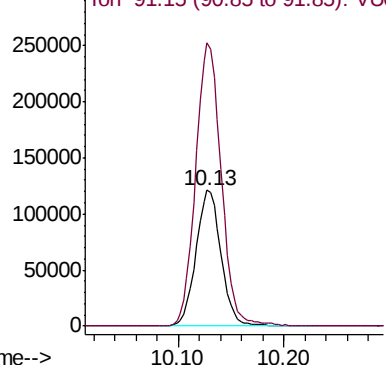
#54
o-Xylene
Concen: 5.159 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:106 Resp: 199011
Ion Ratio Lower Upper
106 100
91 208.7 155.3 288.3

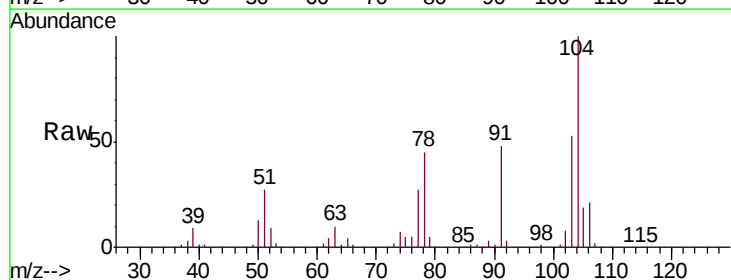


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

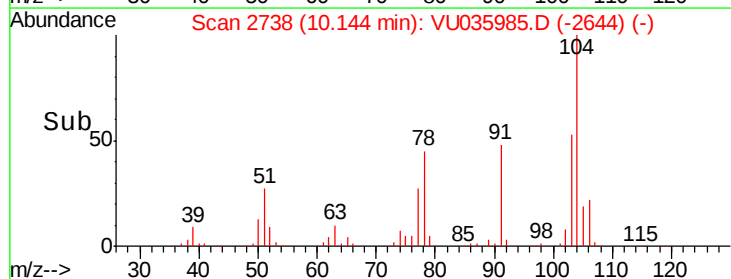
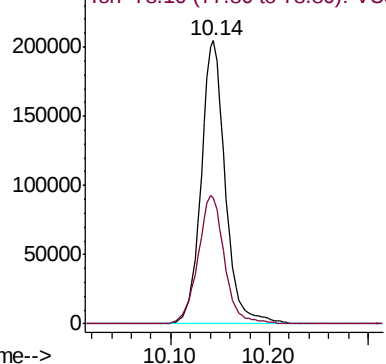


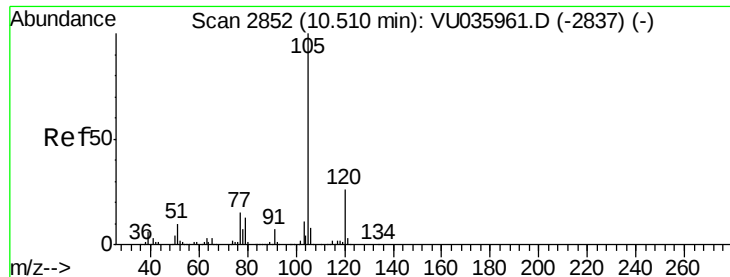
#55
Styrene
Concen: 5.383 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion:104 Resp: 349191
Ion Ratio Lower Upper
104 100
78 44.7 31.2 58.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.119 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampled :

VSTD00521

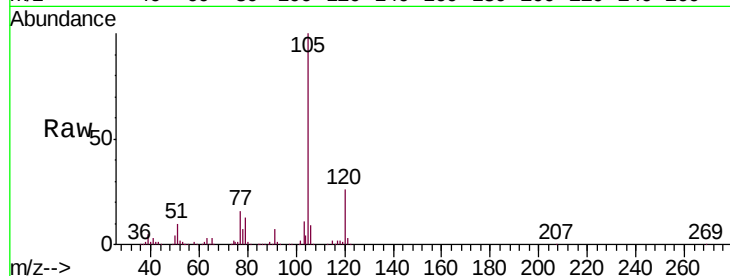
Tgt Ion: 105 Resp: 517683

Ion Ratio Lower Upper

105 100

120 25.5 21.3 31.9

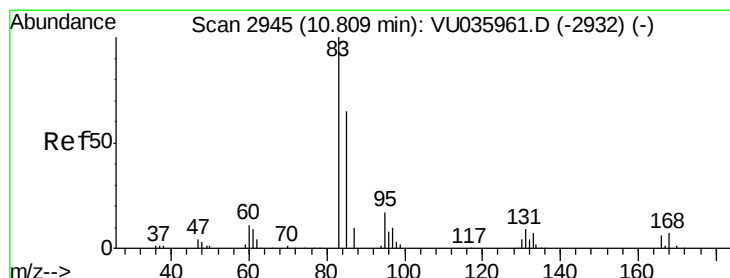
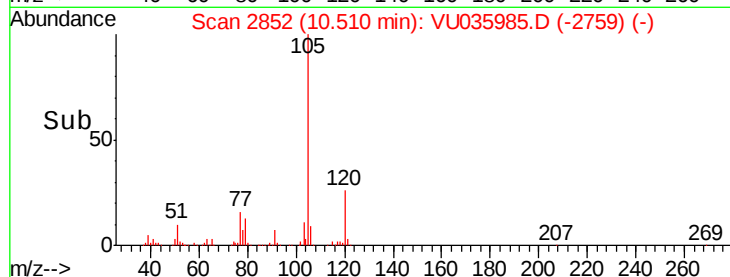
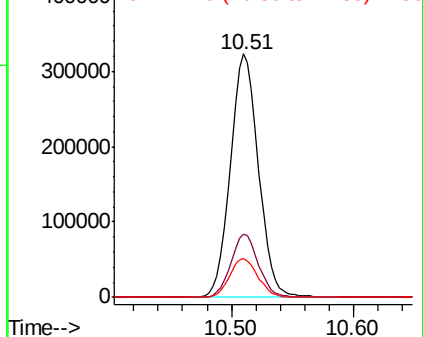
77 16.2 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.741 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

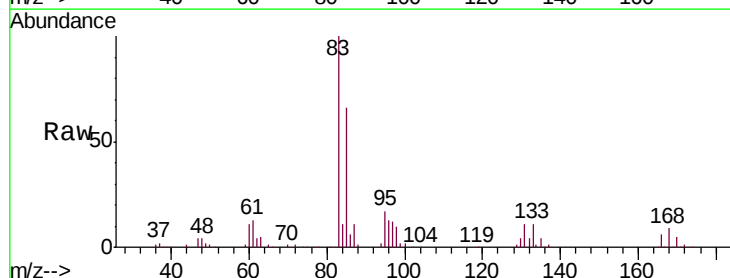
Tgt Ion: 83 Resp: 120963

Ion Ratio Lower Upper

83 100

85 66.1 44.3 82.3

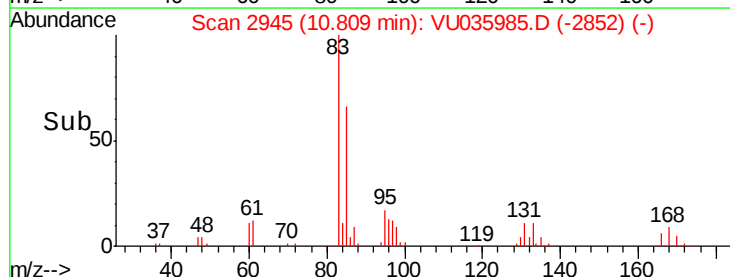
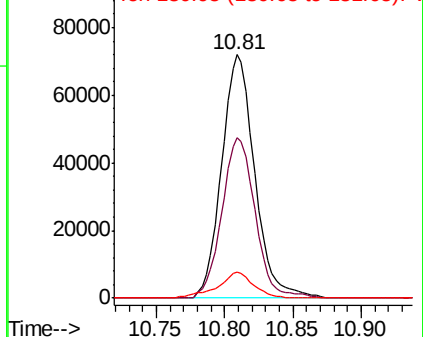
131 10.7 7.2 10.8

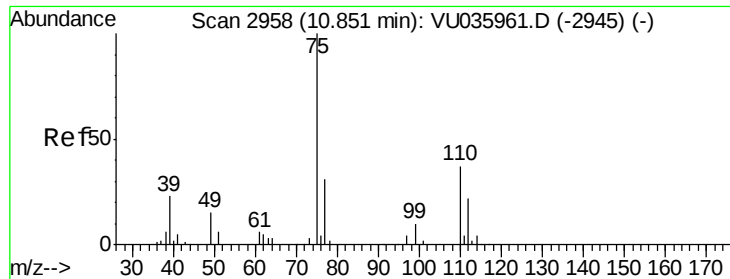


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.002 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

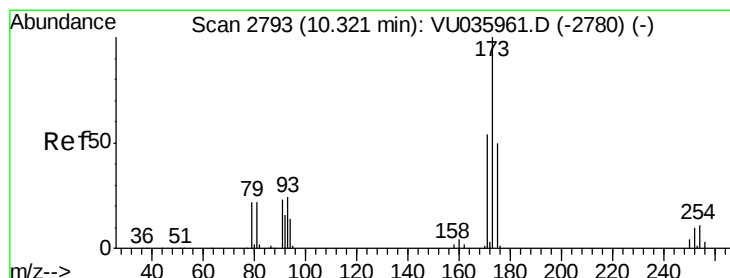
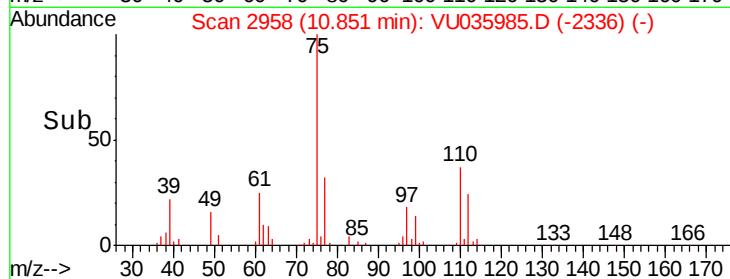
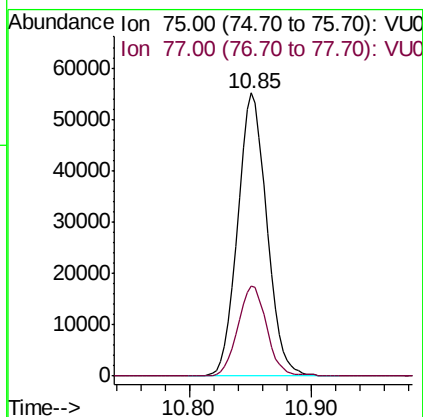
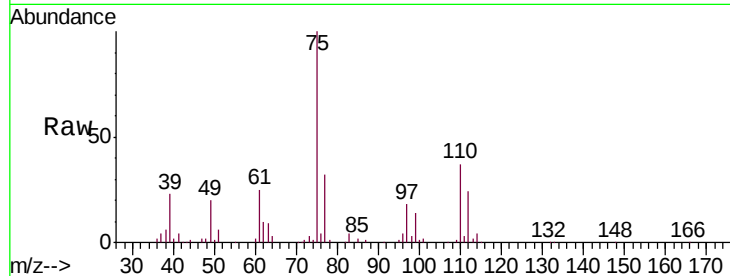
VSTD00521

Tgt Ion: 75 Resp: 90800

Ion Ratio Lower Upper

75 100

77 30.6 26.6 39.8



#61

Bromoform

Concen: 4.712 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

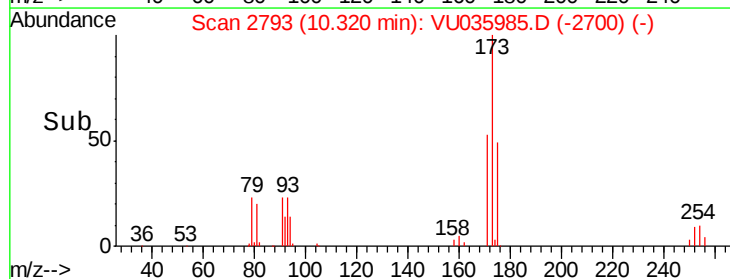
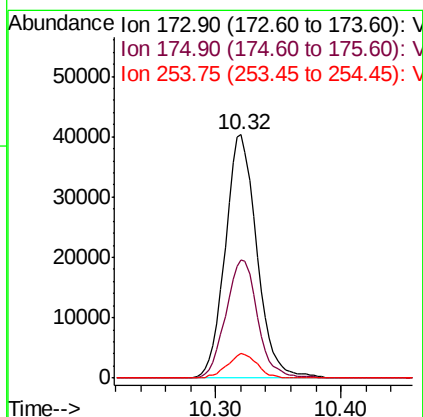
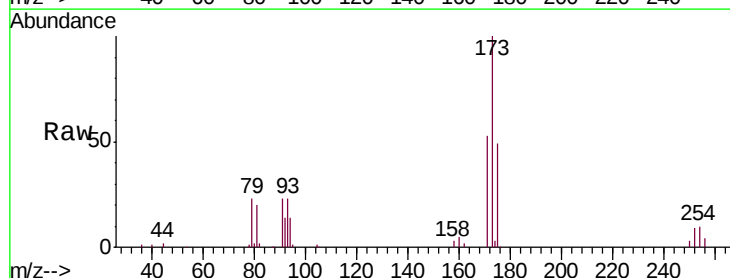
Tgt Ion: 173 Resp: 70537

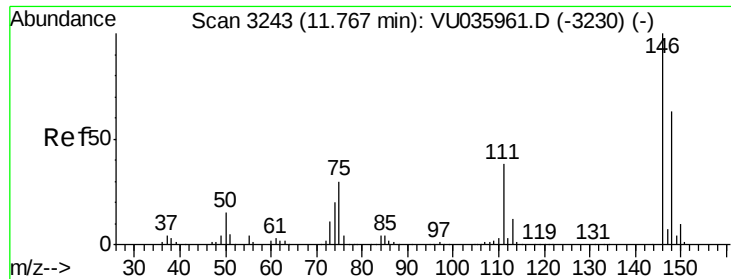
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 9.5 7.3 10.9

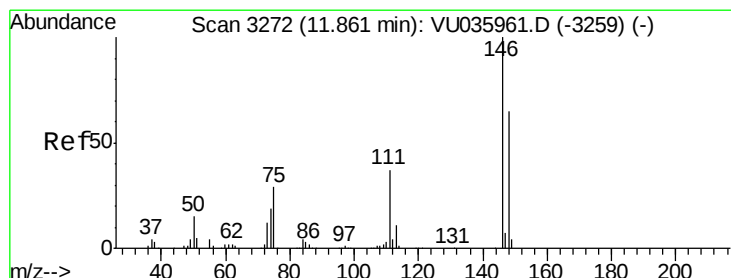
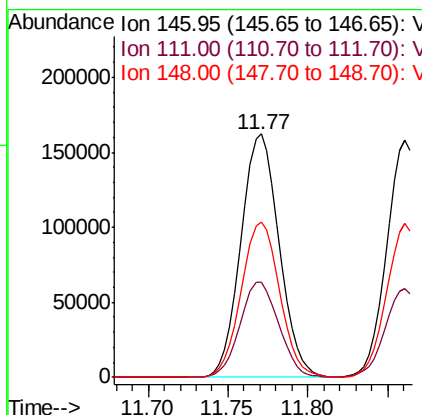
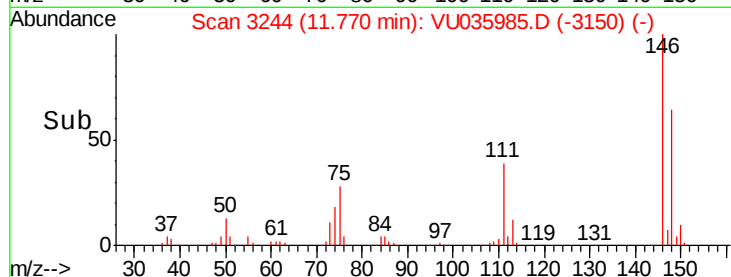
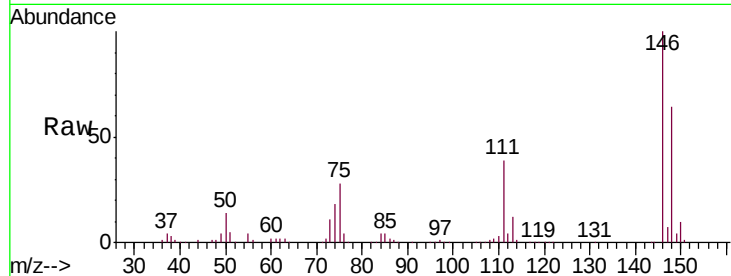




#62
 1,3-Dichlorobenzene
 Concen: 4.901 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

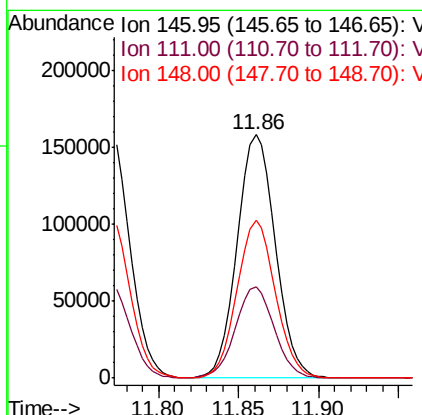
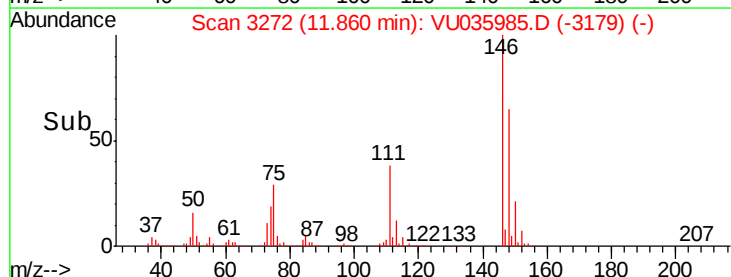
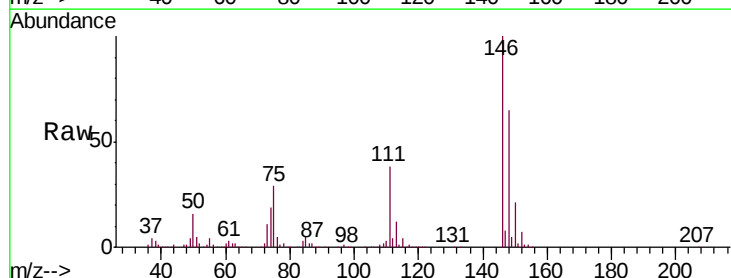
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

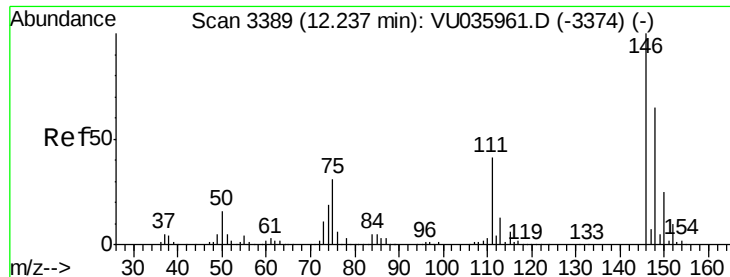
Tgt Ion:146 Resp: 264194
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.6 51.4
 148 64.0 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.805 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion:146 Resp: 257081
 Ion Ratio Lower Upper
 146 100
 111 37.6 28.5 52.9
 148 64.8 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 4.873 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

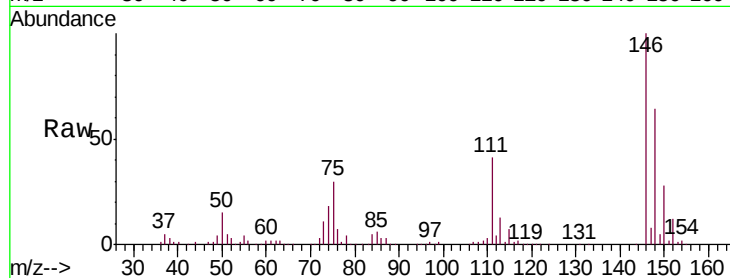
Tgt Ion:146 Resp: 251054

Ion Ratio Lower Upper

146 100

111 40.6 32.6 48.8

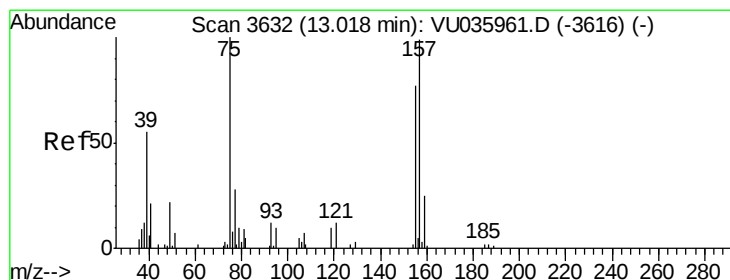
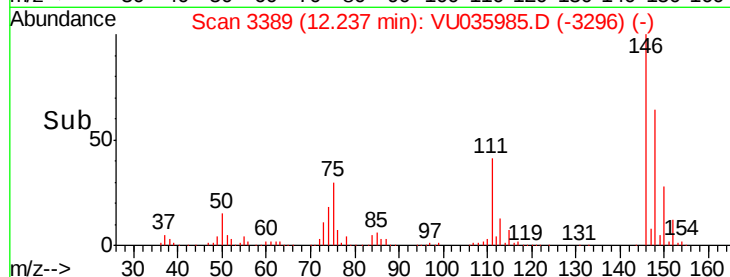
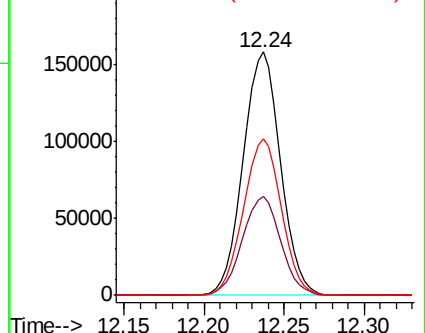
148 64.3 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.284 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU035985.D

Acq: 04 Dec 2019 21:04

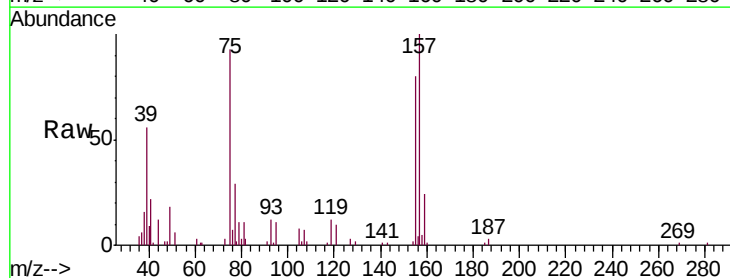
Tgt Ion: 75 Resp: 17194

Ion Ratio Lower Upper

75 100

155 85.4 55.1 82.7#

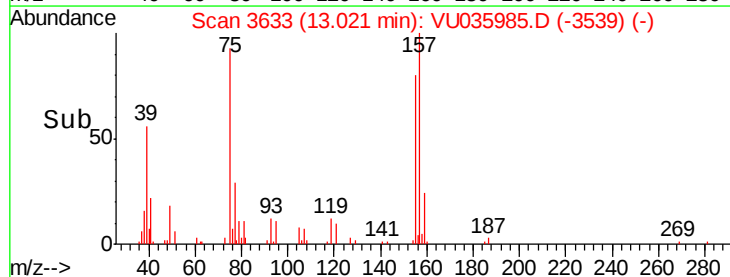
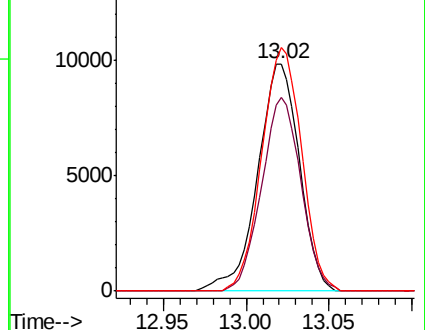
157 107.1 74.0 111.0

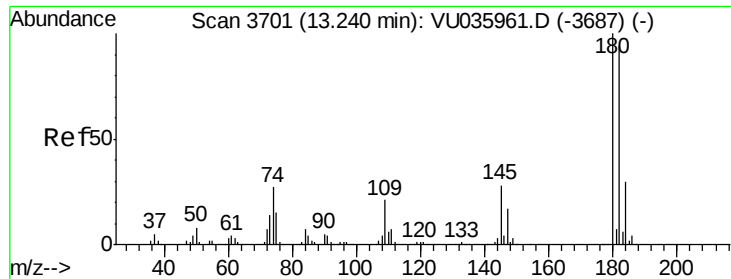


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

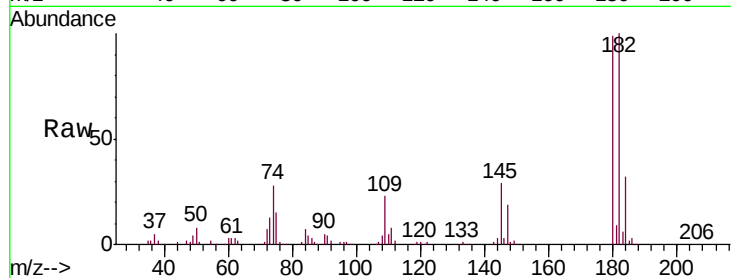




#67
 1,3,5-Trichlorobenzene
 Concen: 4.630 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	180	Resp:	170379
Ion	Ratio	Lower	Upper
180	100		
182	98.8	77.2	115.8
184	32.2	24.5	36.7
145	28.7	23.0	34.6



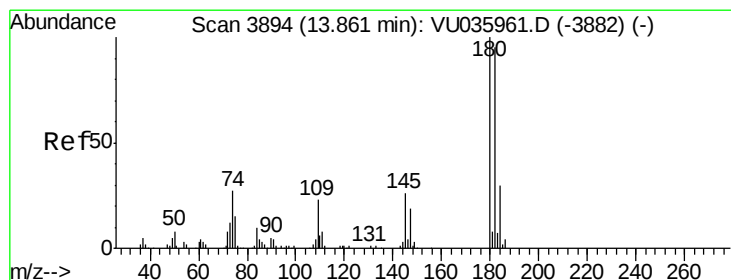
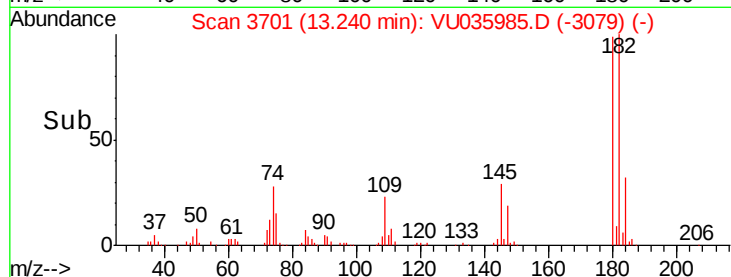
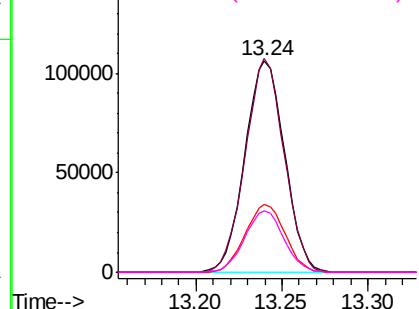
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

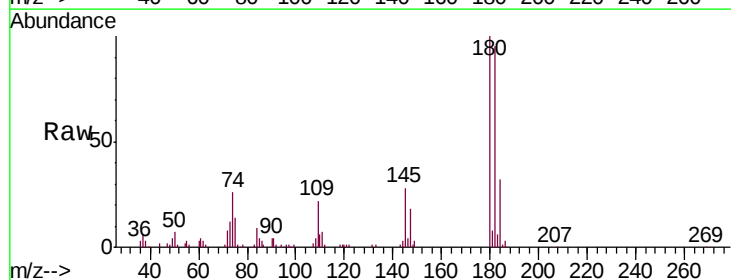
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.331 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035985.D
 Acq: 04 Dec 2019 21:04

Tgt Ion:	180	Resp:	85404
Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.5	111.7
145	28.3	23.4	35.0

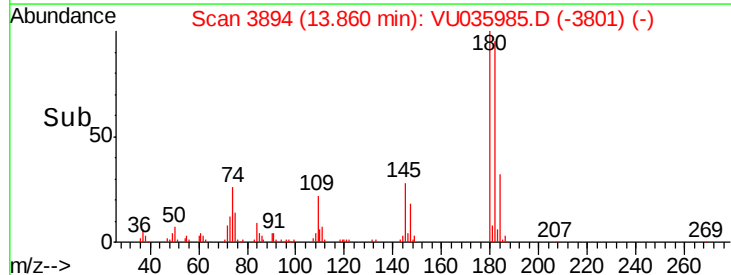
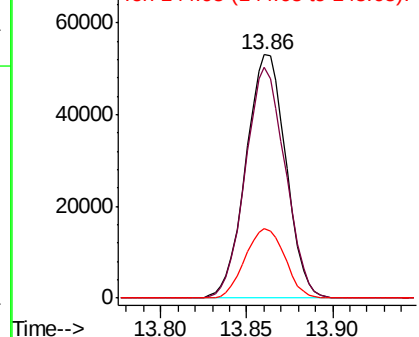


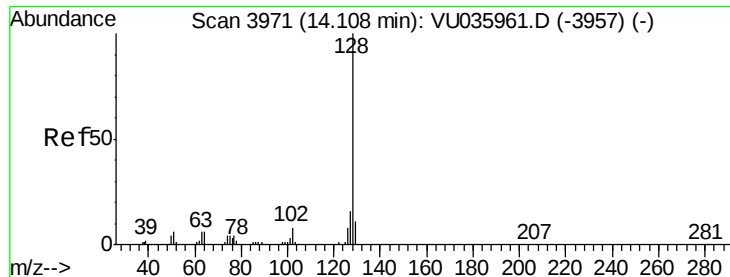
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

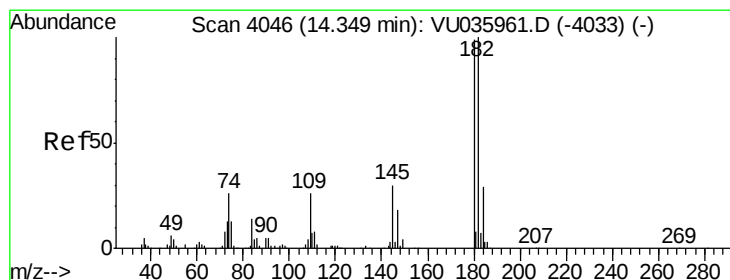
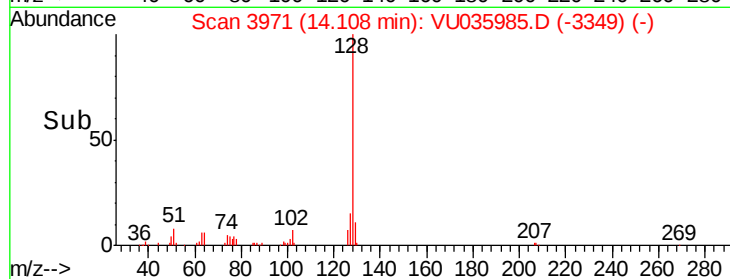
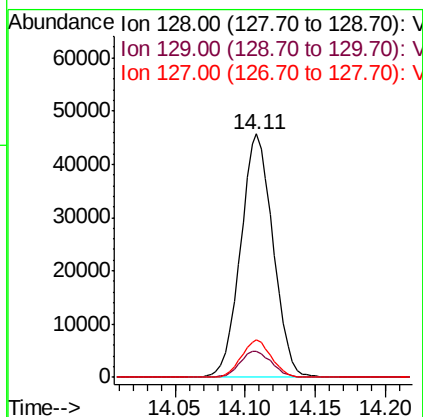
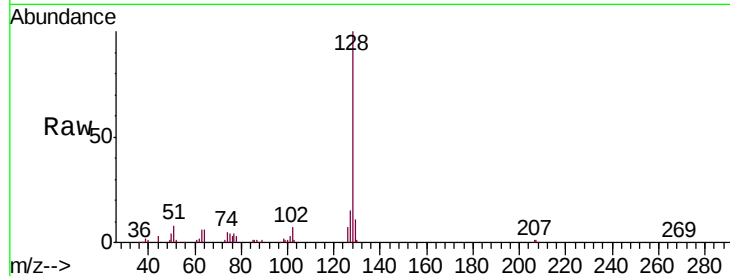




#69
Naphthalene
Concen: 3.278 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:128 Resp: 73616
Ion Ratio Lower Upper
128 100
129 10.4 8.4 12.6
127 14.2 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 4.313 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. -0.00 min
Lab File: VU035985.D
Acq: 04 Dec 2019 21:04

Tgt Ion:180 Resp: 84227
Ion Ratio Lower Upper
180 100
182 96.3 74.6 112.0
145 29.4 24.3 36.5

