

Data File : VU033499.D
Acq On : 30 Jul 2019 17:40
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV34

Quant Time: Jul 31 08:07:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	338858	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335668	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	179212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	114117	46.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.64%
7) Chloroethane-d5	1.67	69	97565	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.32%
11) 1,1-Dichloroethene-d2	2.26	63	210069	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
21) 2-Butanone-d5	4.17	46	166435	102.00	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	4.62	84	198391	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	5.29	65	124295	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.32	84	397939	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
36) 1,2-Dichloropropane-d6	6.31	67	124802	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	7.55	98	382316	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.83	79	61622	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.24%
47) 2-Hexanone-d5	8.30	63	129122	104.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	189598	47.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	151826	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	153035	47.891	ug/L	99
3) Chloromethane	1.32	50	162620	50.522	ug/L	97
5) Vinyl chloride	1.39	62	170973	49.549	ug/L	99
6) Bromomethane	1.62	94	108284	35.567	ug/L	99
8) Chloroethane	1.69	64	107454	51.249	ug/L	97
9) Trichlorofluoromethane	1.87	101	241745	53.558	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	110356	48.227	ug/L	99
12) 1,1-Dichloroethene	2.27	96	106108	48.354	ug/L	96
13) Acetone	2.34	43	160060	95.875	ug/L	98
14) Carbon disulfide	2.46	76	329862	47.926	ug/L	100
15) Methyl Acetate	2.61	43	132197	49.738	ug/L	99
16) Methylene chloride	2.68	84	123859	49.415	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	113595	49.410	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	351798	50.178	ug/L	99
19) 1,1-Dichloroethane	3.42	63	214421	49.688	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	126121	48.874	ug/L	98
22) 2-Butanone	4.25	43	204428	102.570	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	66571	49.443	ug/L	99
25) Chloroform	4.65	83	221825	48.846	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174960	50.034	ug/L	99
29) Cyclohexane	4.97	56	182399	49.817	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	188961	48.925	ug/L	99
31) Carbon tetrachloride	5.11	117	164461	48.897	ug/L	100
33) Benzene	5.37	78	478864	49.452	ug/L	100
34) Trichloroethene	6.16	95	122530	47.969	ug/L	99
35) Methylcyclohexane	6.40	83	198049	49.686	ug/L	99
37) 1,2-Dichloropropane	6.41	63	130046	50.172	ug/L	100
38) Bromodichloromethane	6.74	83	165475	49.384	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	202117	49.960	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	363279	101.511	ug/L	99
42) Toluene	7.62	91	525442	50.463	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	181506	49.645	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	121388	49.331	ug/L	100
46) Tetrachloroethene	8.21	164	100972	48.419	ug/L	98
48) 2-Hexanone	8.35	43	297070	102.696	ug/L	99
49) Dibromochloromethane	8.46	129	138754	49.562	ug/L	98
50) 1,2-Dibromoethane	8.57	107	134819	49.463	ug/L	100
51) Chlorobenzene	9.10	112	332917	48.836	ug/L	100
52) Ethylbenzene	9.23	91	562369	50.156	ug/L	100
53) m,p-Xylene	9.36	106	214840	49.912	ug/L	100
54) o-xylene	9.76	106	212668	50.933	ug/L	100
55) Styrene	9.77	104	365481	51.537	ug/L	99
56) Isopropylbenzene	10.15	105	549915	50.405	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	213963	48.210	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	168753	49.324	ug/L	99
61) Bromoform	9.94	173	107806	49.799	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	268877	48.853	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	275949	48.259	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	269137	48.363	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	50267	48.890	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	214496	48.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	188103	49.578	ug/L	98
69) Naphthalene	13.73	128	548564	50.394	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	195084	48.891	ug/L	98

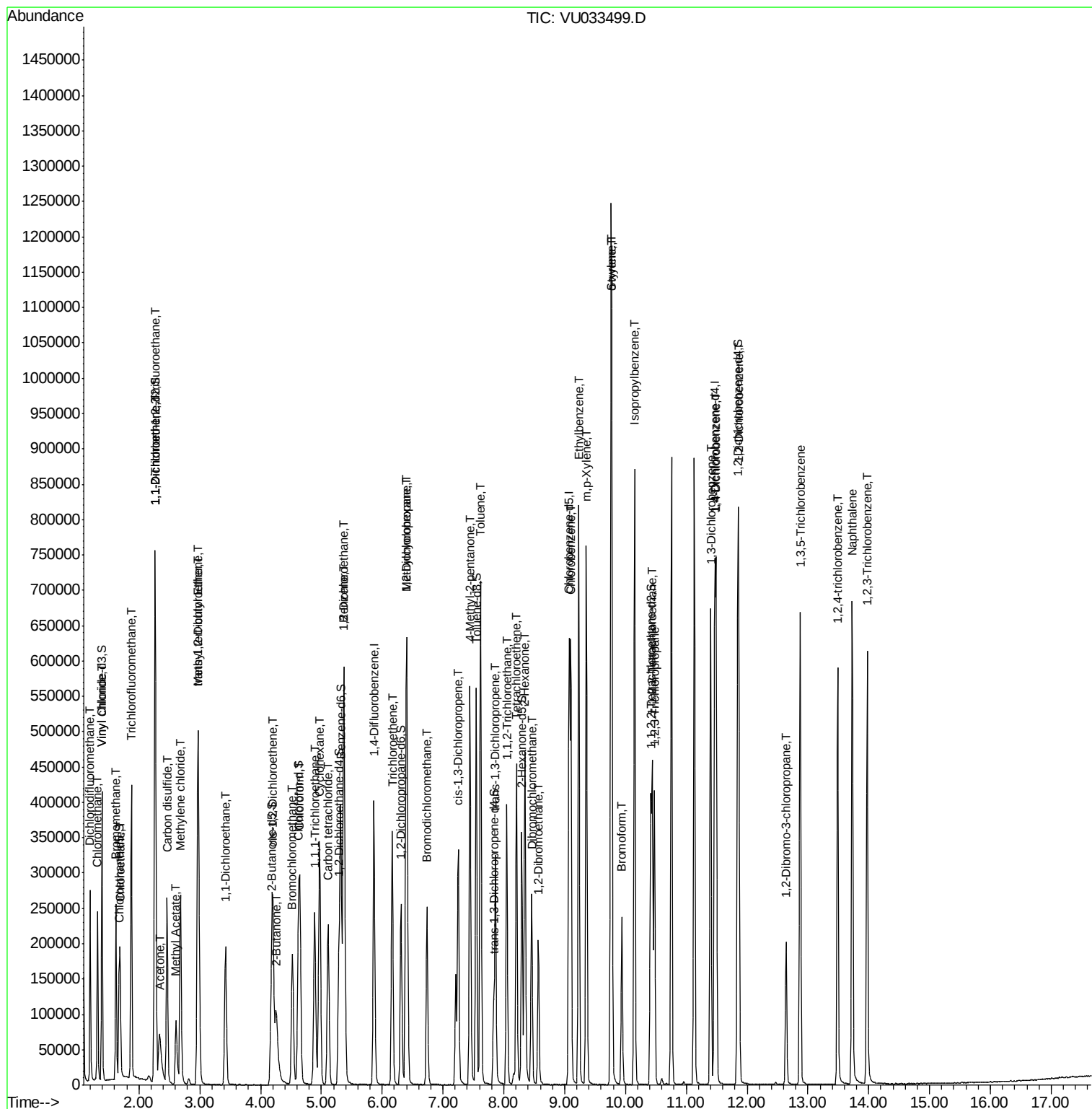
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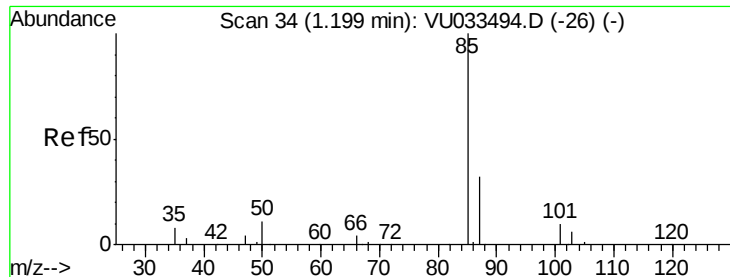
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#2

Dichlorodifluoromethane

Concen: 47.891 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

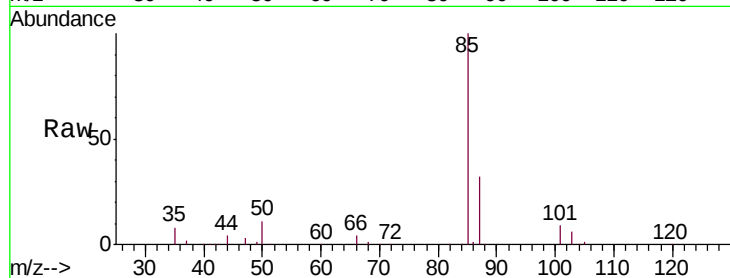
VICV34

Tgt Ion: 85 Resp: 153035

Ion Ratio Lower Upper

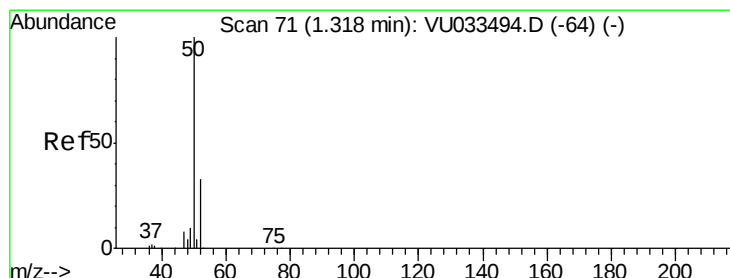
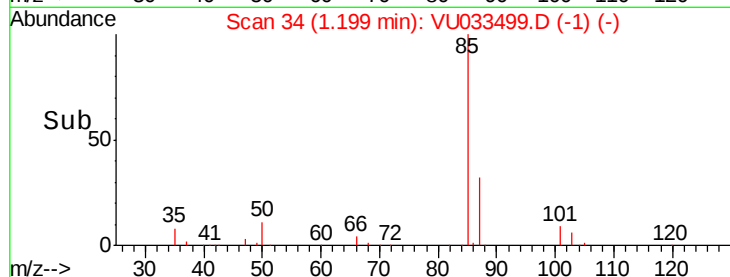
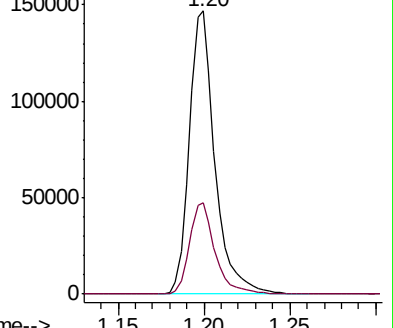
85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033494.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033494.D (-26) (-)



#3

Chloromethane

Concen: 50.522 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033499.D

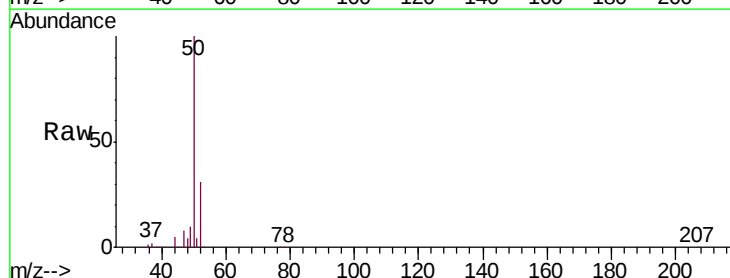
Acq: 30 Jul 2019 17:40

Tgt Ion: 50 Resp: 162620

Ion Ratio Lower Upper

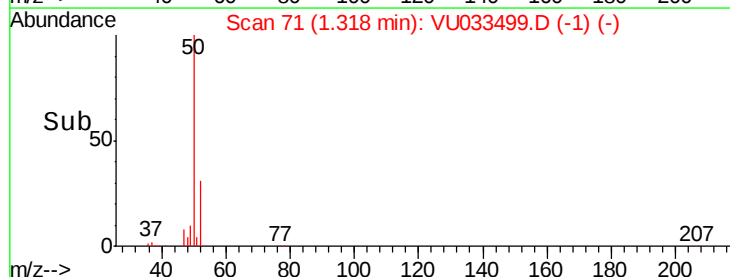
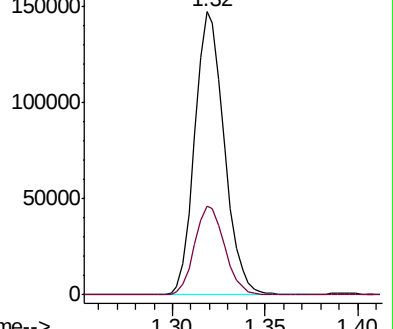
50 100

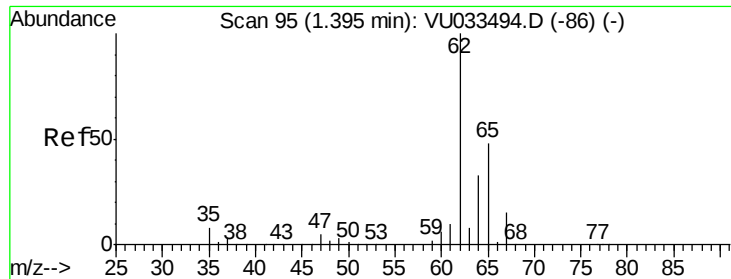
52 31.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033494.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033494.D (-64) (-)





#5

Vinyl chloride

Concen: 49.549 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

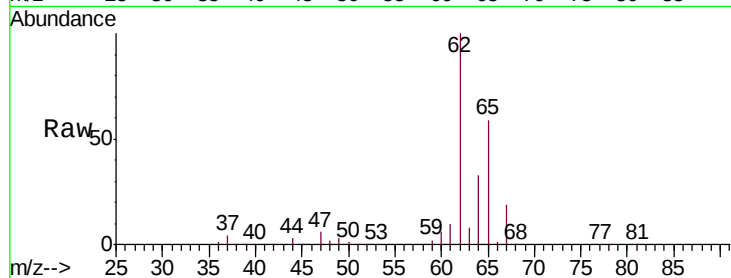
VICV34

Tgt Ion: 62 Resp: 170973

Ion Ratio Lower Upper

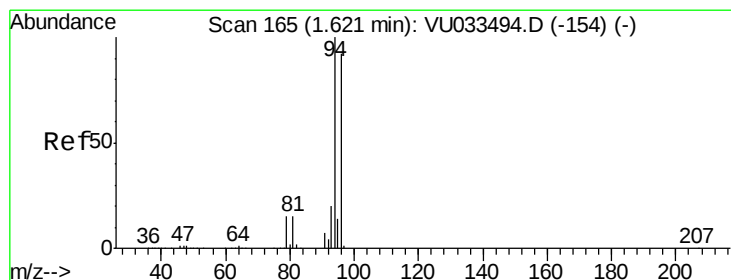
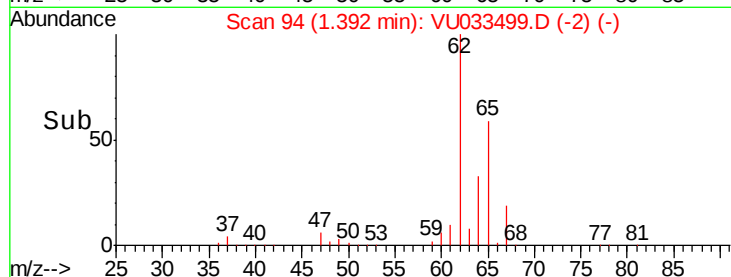
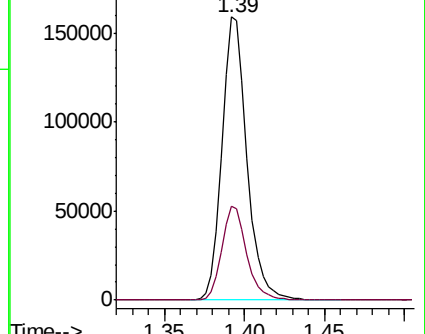
62 100

64 33.1 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 35.567 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033499.D

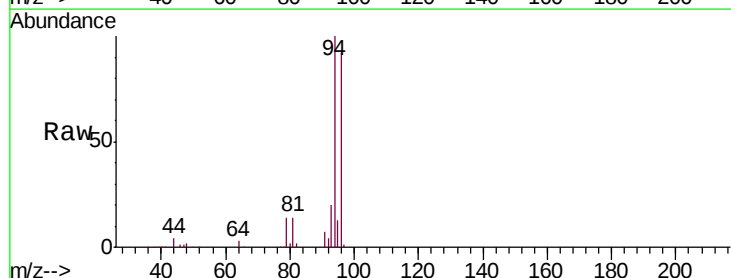
Acq: 30 Jul 2019 17:40

Tgt Ion: 94 Resp: 108284

Ion Ratio Lower Upper

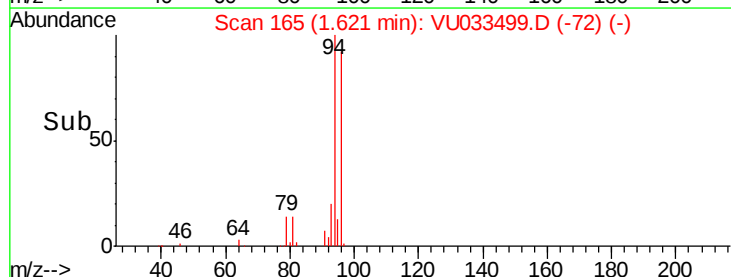
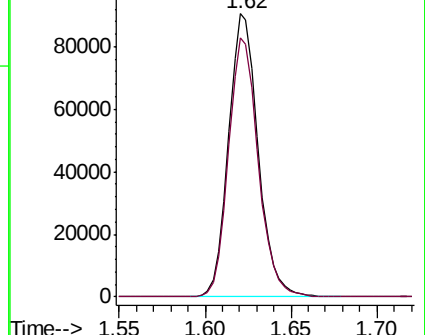
94 100

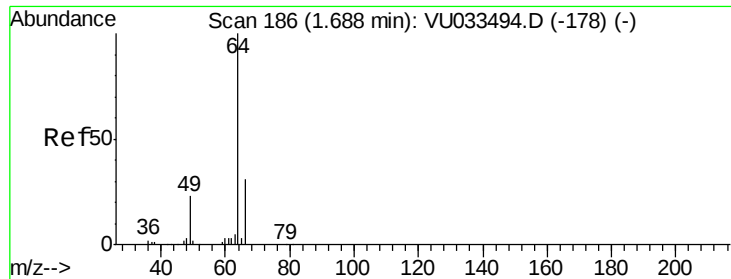
96 91.5 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.249 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

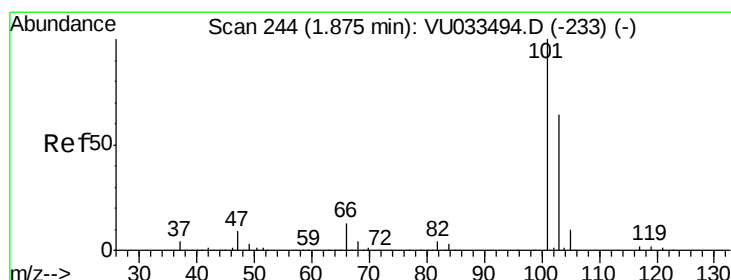
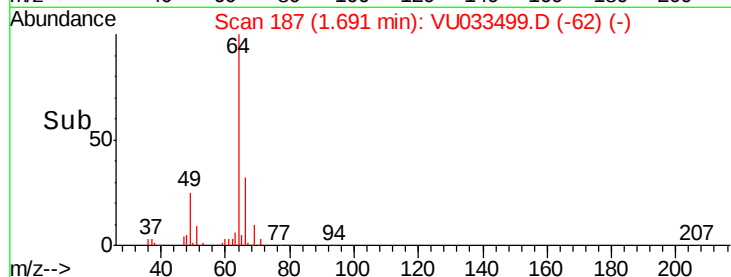
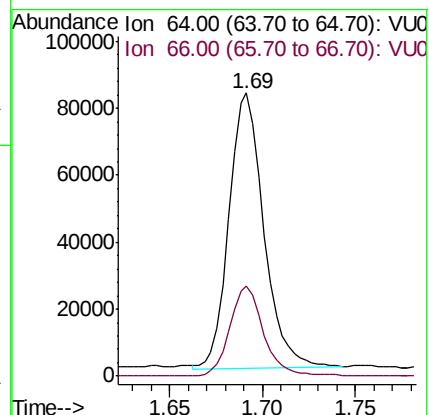
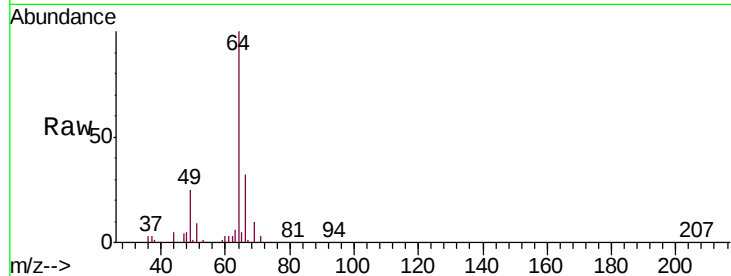
VICV34

Tgt Ion: 64 Resp: 107454

Ion Ratio Lower Upper

64 100

66 32.0 21.1 39.3



#9

Trichlorofluoromethane

Concen: 53.558 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033499.D

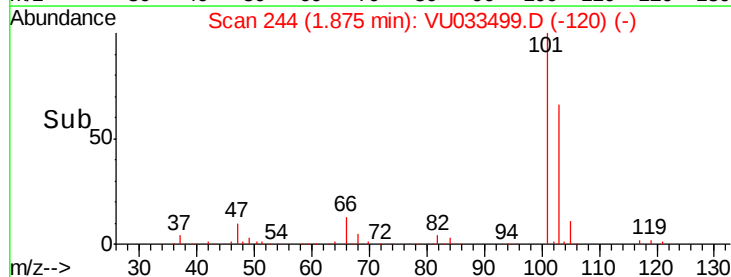
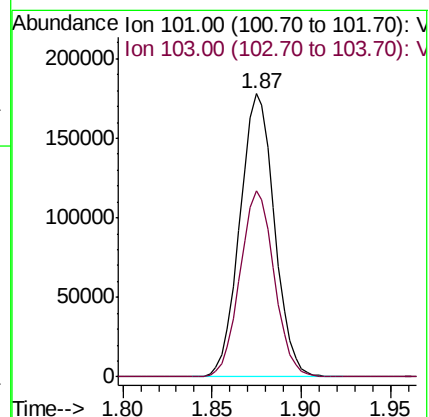
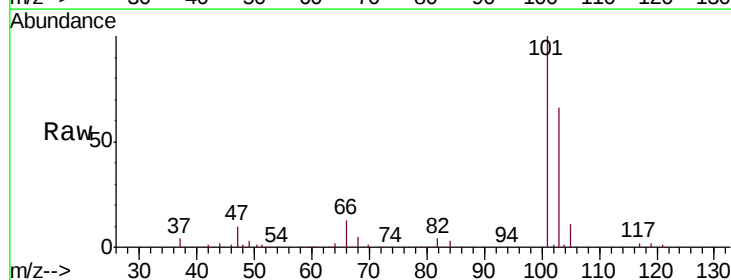
Acq: 30 Jul 2019 17:40

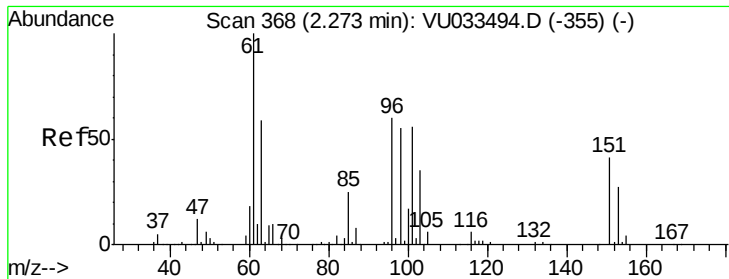
Tgt Ion: 101 Resp: 241745

Ion Ratio Lower Upper

101 100

103 64.9 51.6 77.4





#10

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

Concen: 48.227 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VICV34

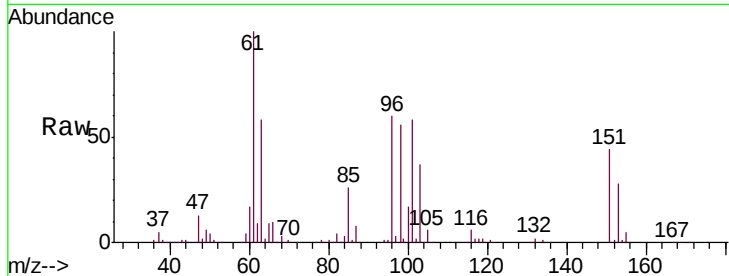
Tgt Ion: 101 Resp: 110356

Ion Ratio Lower Upper

101 100

85 43.6 35.8 53.8

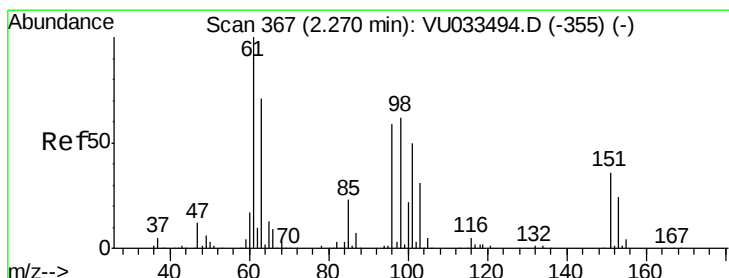
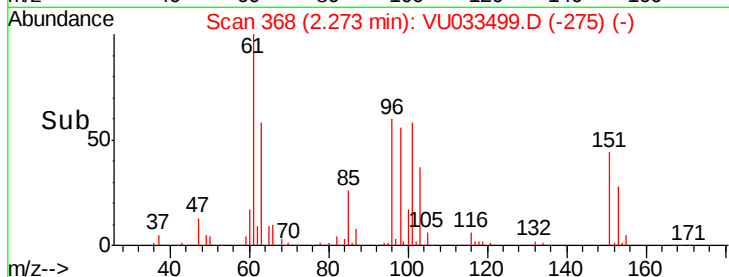
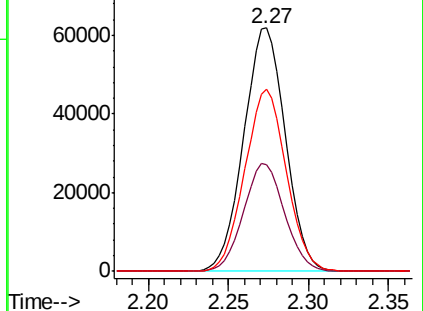
151 74.9 60.1 90.1



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: 48.354 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

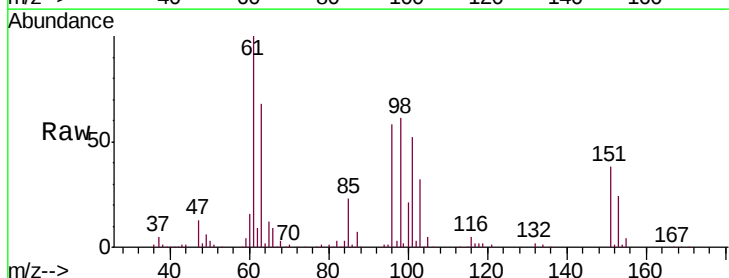
Tgt Ion: 96 Resp: 106108

Ion Ratio Lower Upper

96 100

61 172.6 119.3 221.5

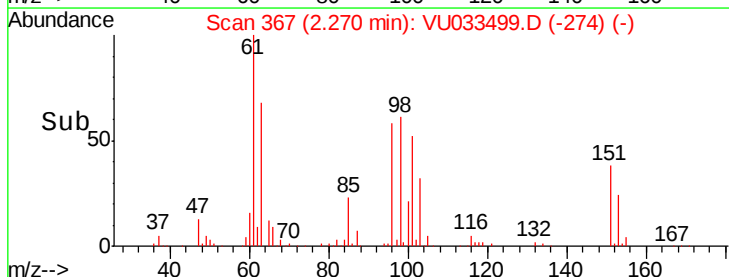
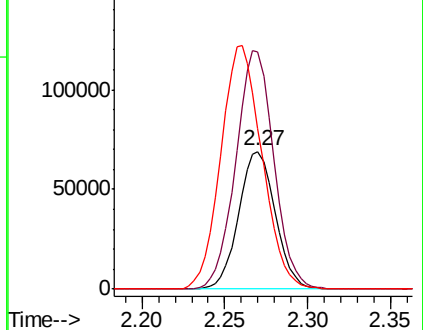
63 116.7 86.6 160.8

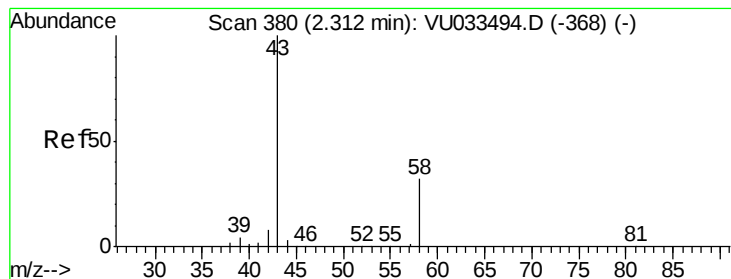


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.875 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.03 min

Lab File: VU033499.D

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MSVOA_U

ClientSampleId :

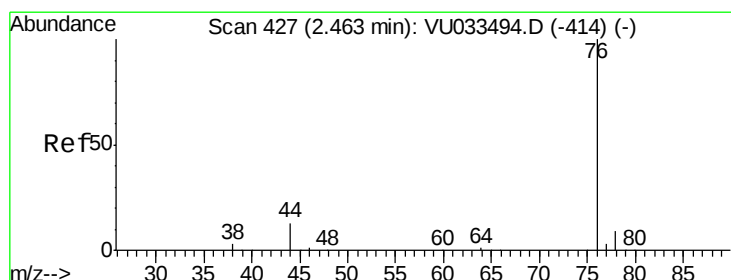
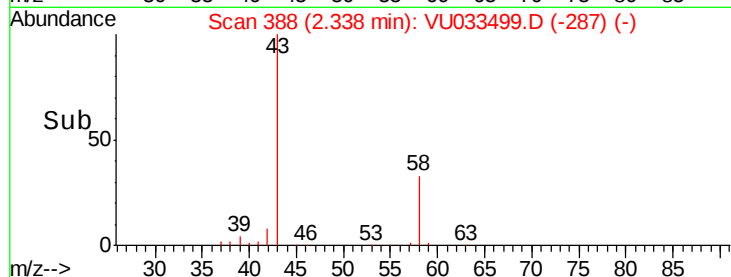
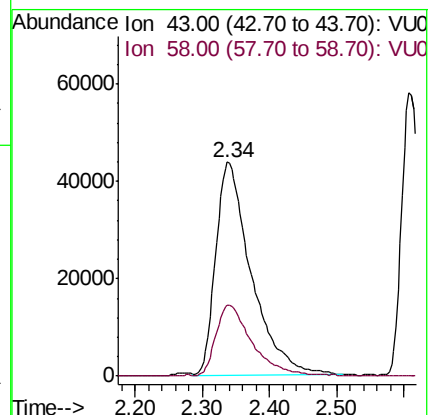
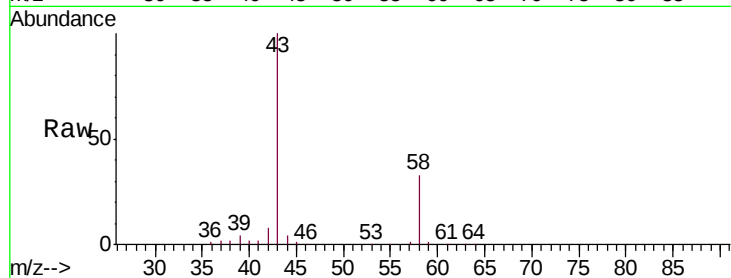
VICV34

Tgt Ion: 43 Resp: 160060

Ion Ratio Lower Upper

43 100

58 34.1 0.0 66.2



#14

Carbon disulfide

Concen: 47.926 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033499.D

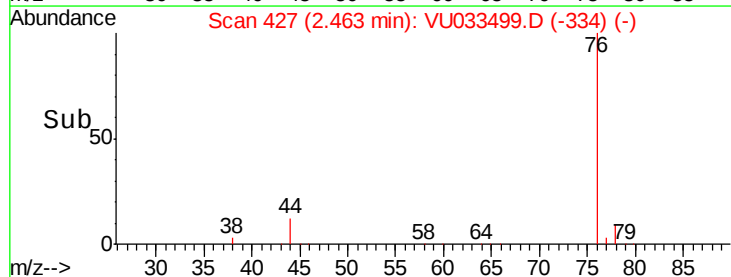
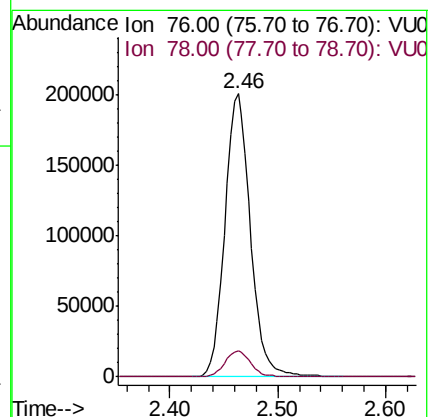
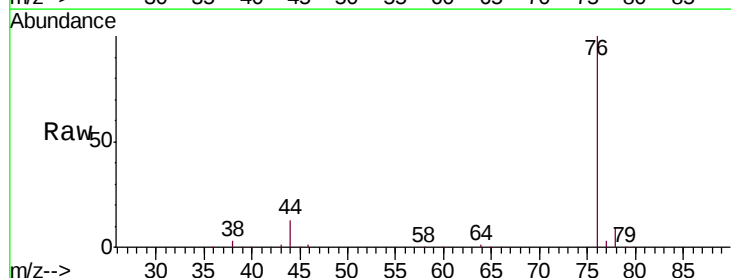
Acq: 30 Jul 2019 17:40

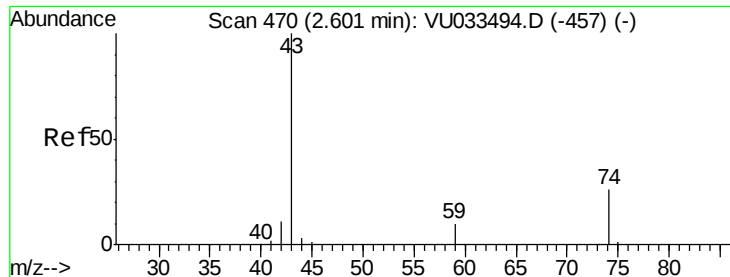
Tgt Ion: 76 Resp: 329862

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 49.738 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

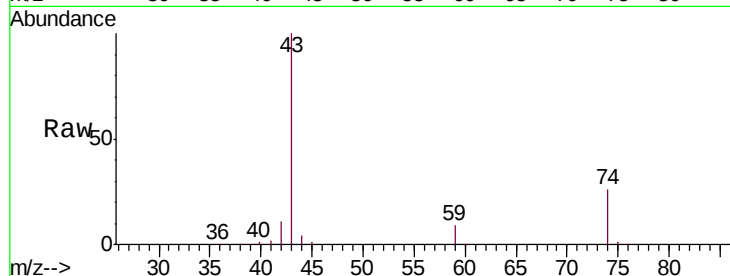
VICV34

Tgt Ion: 43 Resp: 132197

Ion Ratio Lower Upper

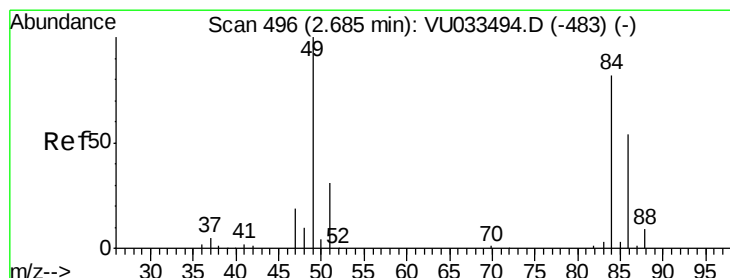
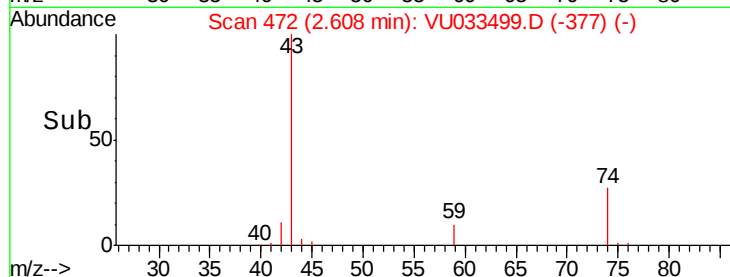
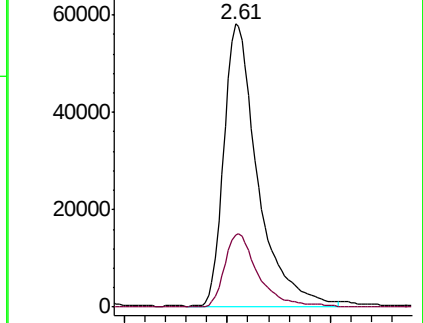
43 100

74 25.6 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VU033499.D (-457) (-)

Ion 74.00 (73.70 to 74.70): VU033499.D (-457) (-)



#16

Methylene chloride

Concen: 49.415 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

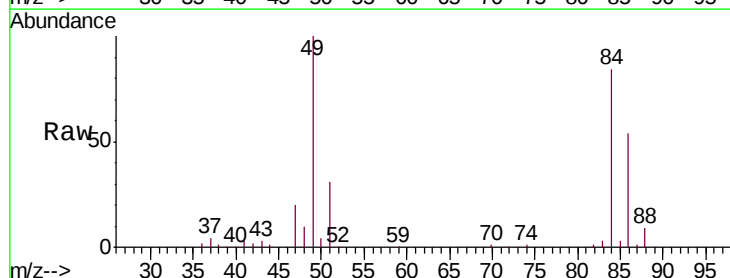
Tgt Ion: 84 Resp: 123859

Ion Ratio Lower Upper

84 100

86 64.5 45.7 84.9

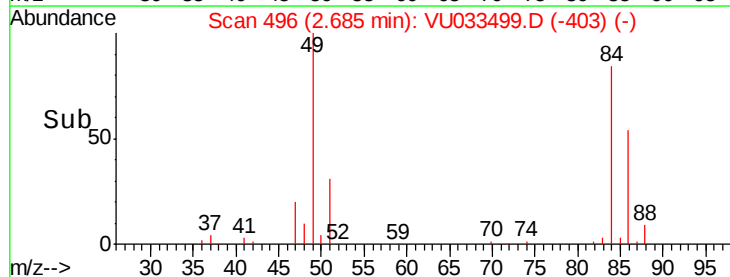
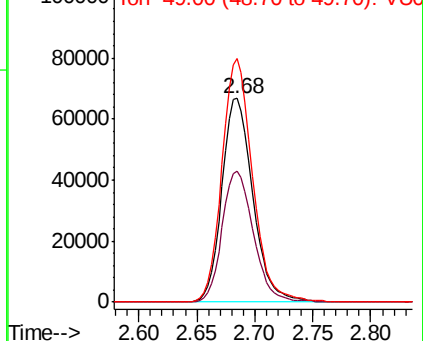
49 119.5 85.0 158.0

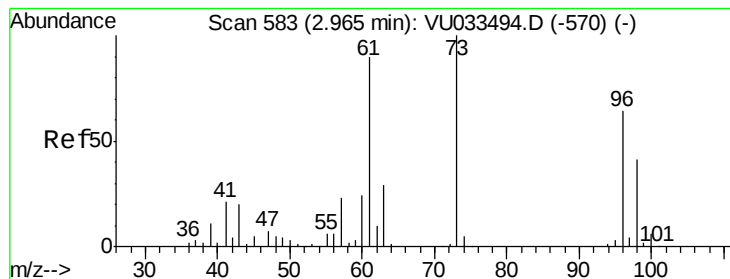


Abundance Ion 84.00 (83.70 to 84.70): VU033499.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU033499.D (-483) (-)

Ion 49.00 (48.70 to 49.70): VU033499.D (-483) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.410 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampled :

VICV34

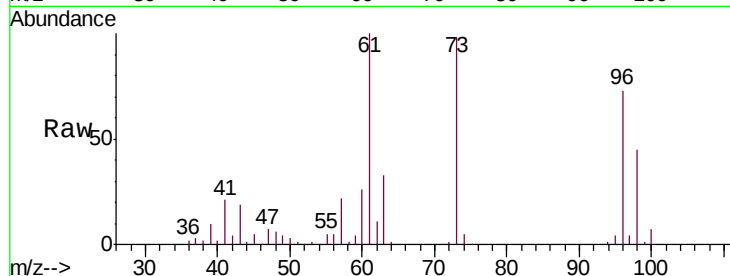
Tgt Ion: 96 Resp: 113595

Ion Ratio Lower Upper

96 100

61 137.2 98.3 182.5

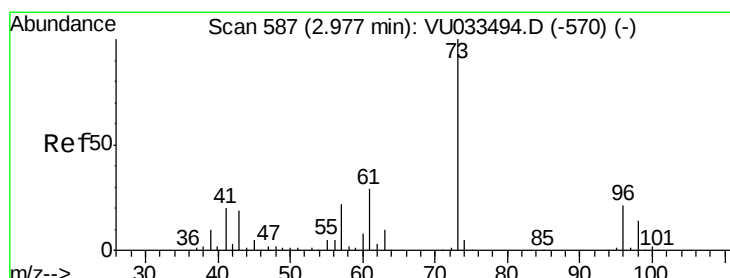
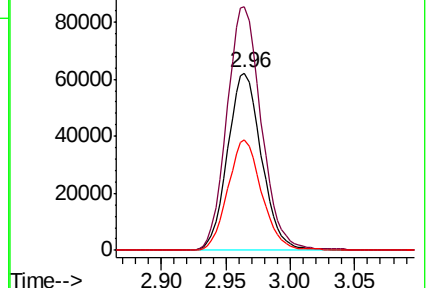
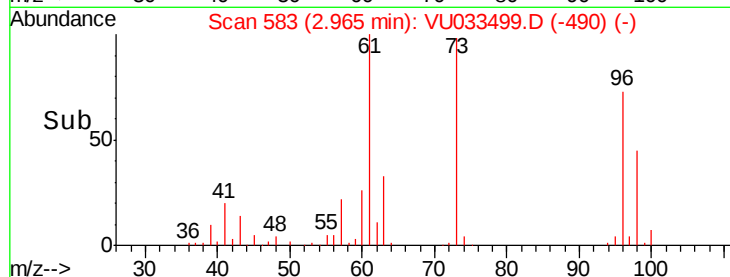
98 61.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033499.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033499.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033499.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 50.178 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

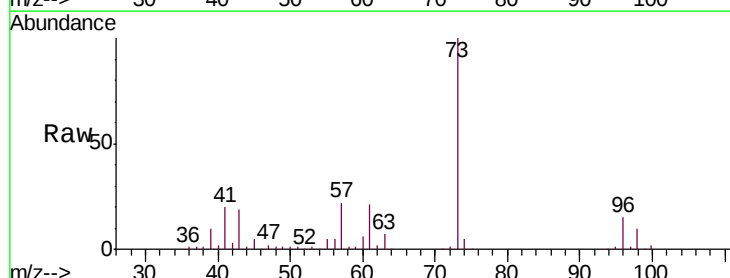
Tgt Ion: 73 Resp: 351798

Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.2

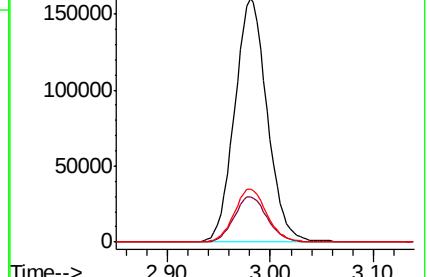
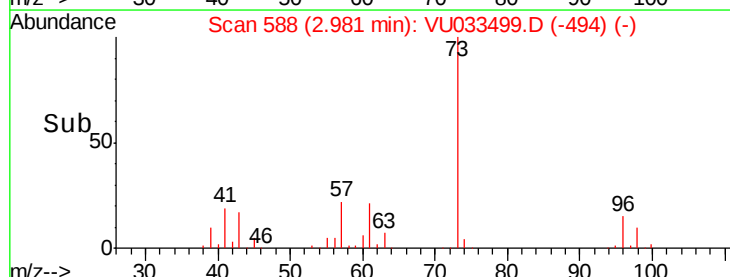
57 21.9 17.4 26.2

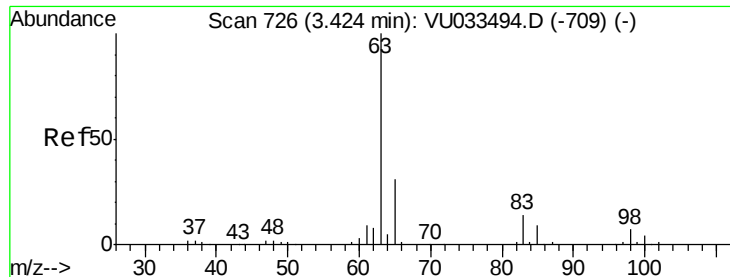


Abundance Ion 73.00 (72.70 to 73.70): VU033499.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033499.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033499.D (-494) (-)

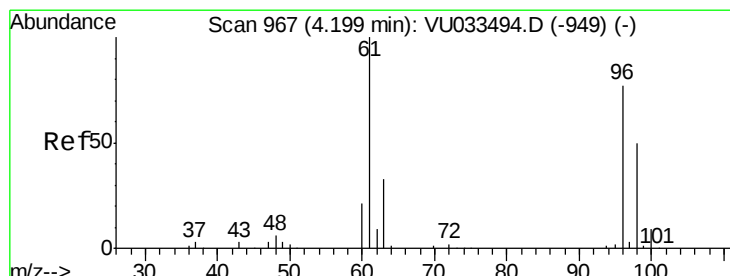
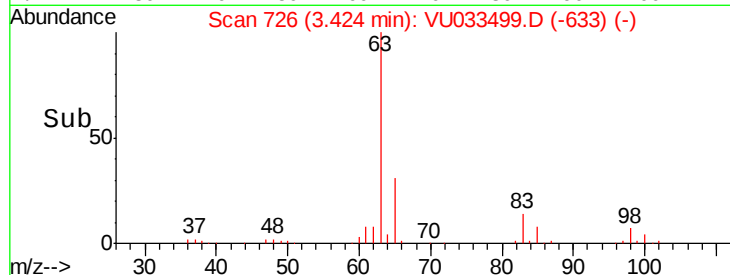
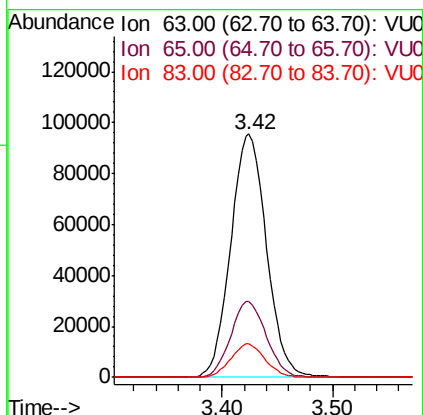
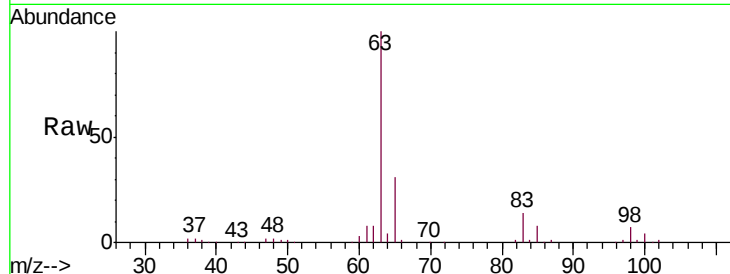




#19
 1,1-Dichloroethane
 Concen: 49.688 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

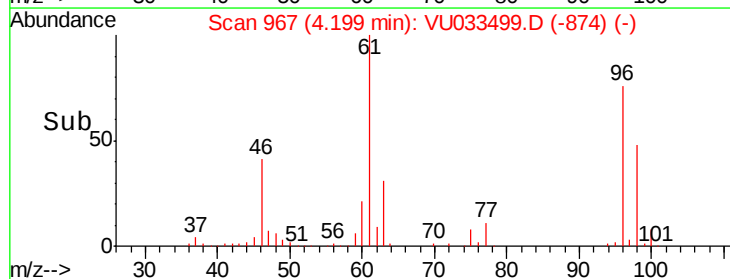
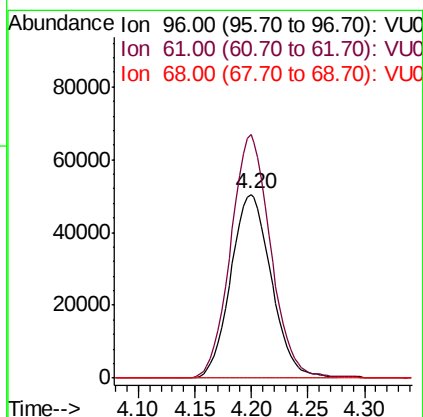
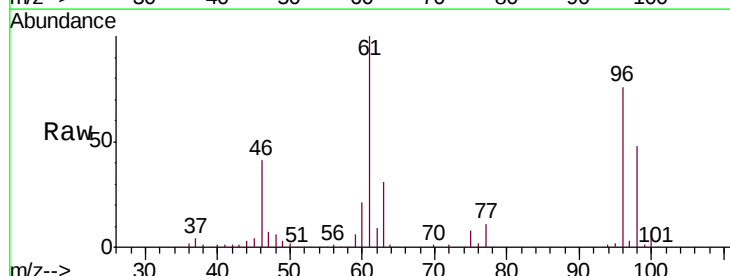
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

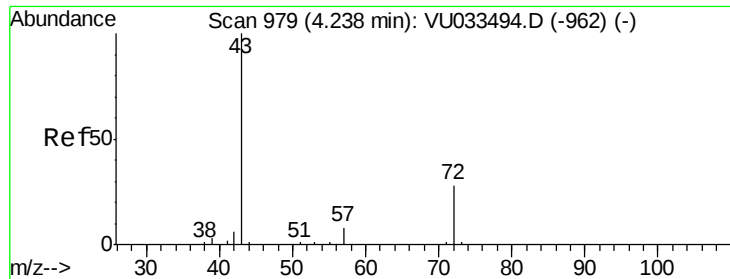
Tgt Ion: 63 Resp: 214421
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 40.8
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 48.874 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 96 Resp: 126121
 Ion Ratio Lower Upper
 96 100
 61 132.3 91.3 169.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.570 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

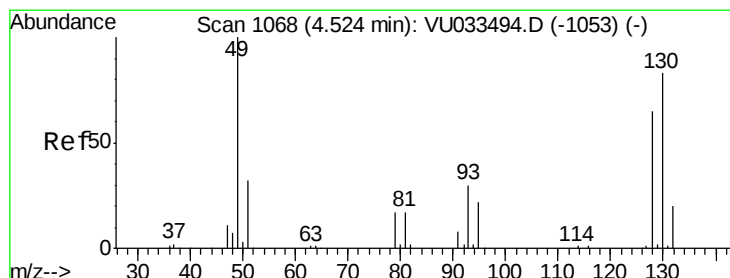
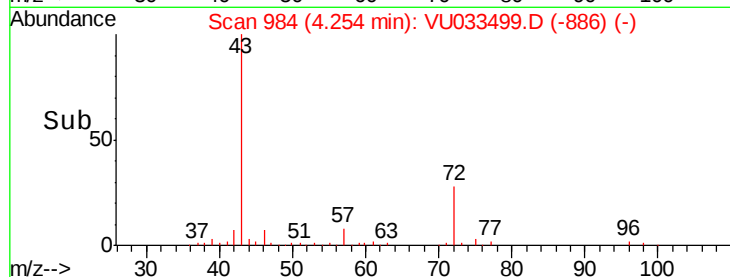
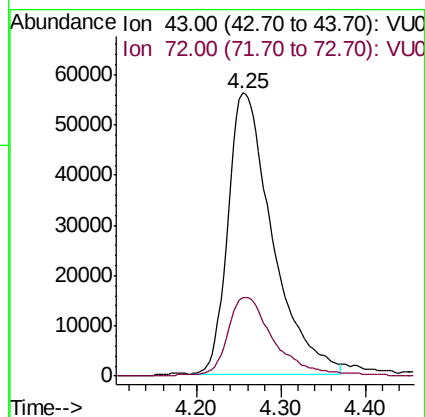
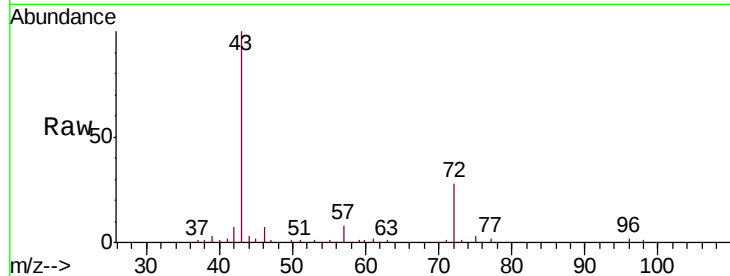
VICV34

Tgt Ion: 43 Resp: 204428

Ion Ratio Lower Upper

43 100

72 27.6 14.2 42.6



#23

Bromochloromethane

Concen: 49.443 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Tgt Ion: 128 Resp: 66571

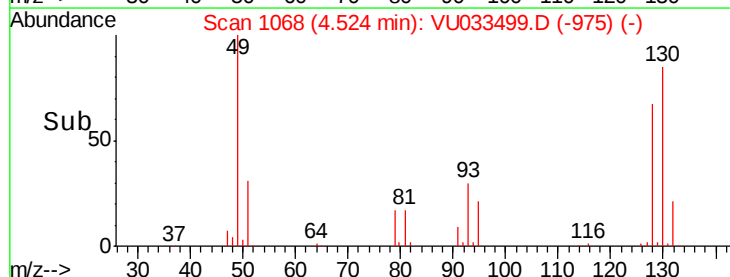
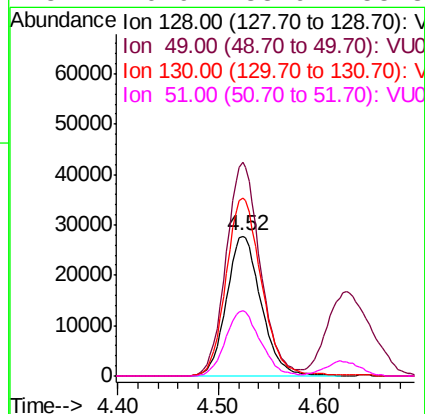
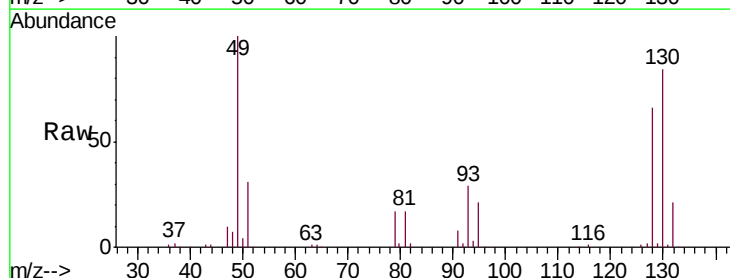
Ion Ratio Lower Upper

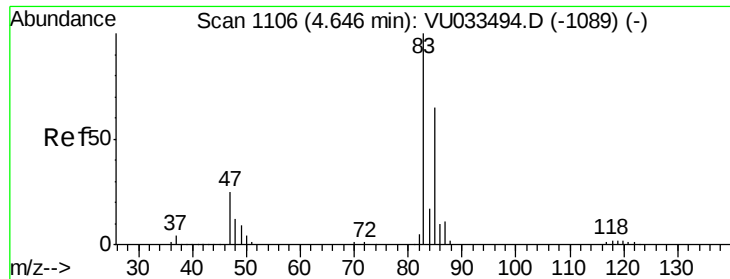
128 100

49 152.5 108.4 201.2

130 127.4 89.7 166.5

51 46.9 38.9 58.3

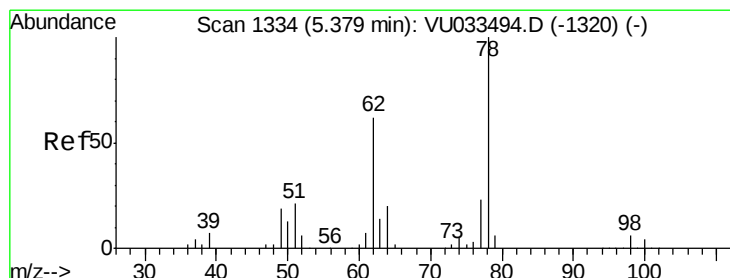
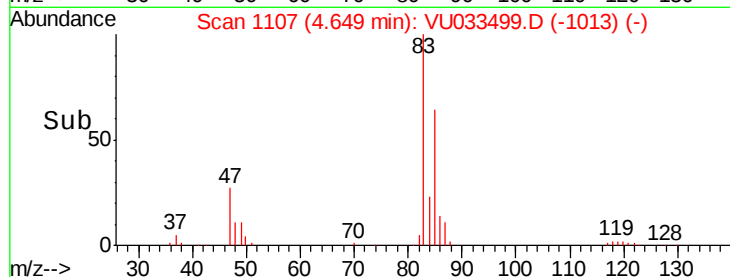
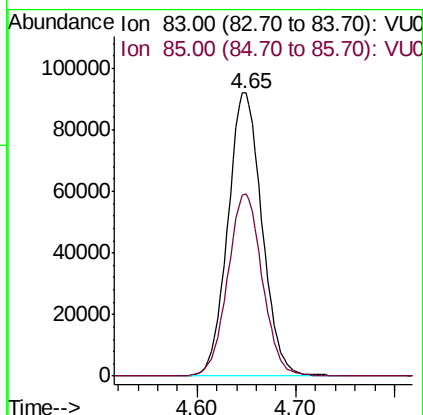
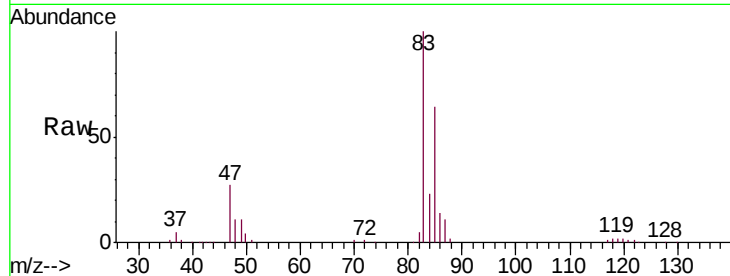




#25
Chloroform
Concen: 48.846 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

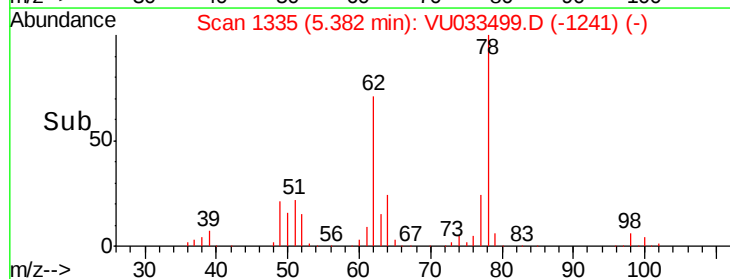
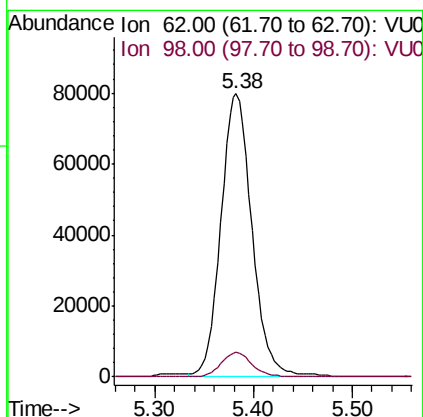
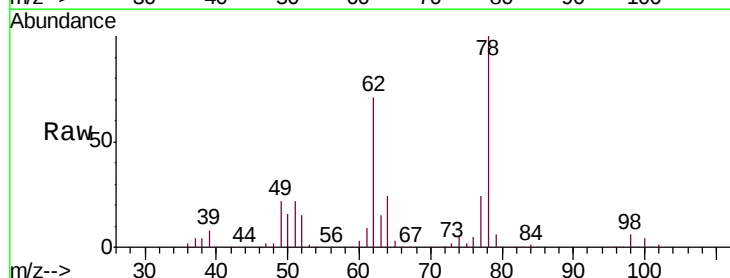
Instrument :
MSVOA_U
ClientSampleId :
VICV34

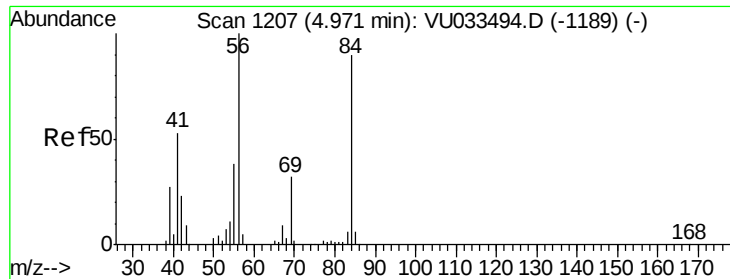
Tgt Ion: 83 Resp: 221825
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 50.034 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

Tgt Ion: 62 Resp: 174960
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8

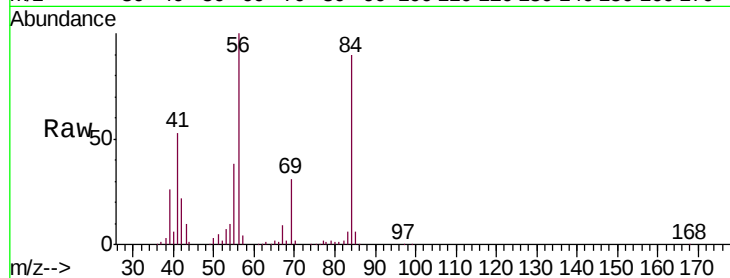




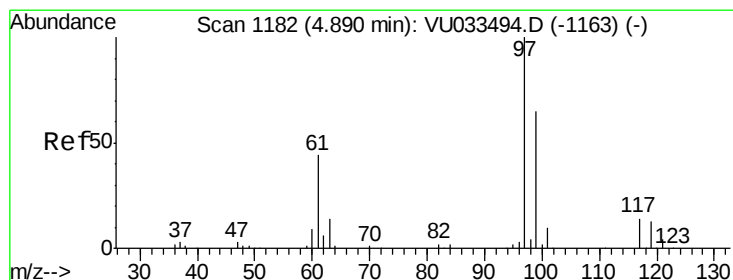
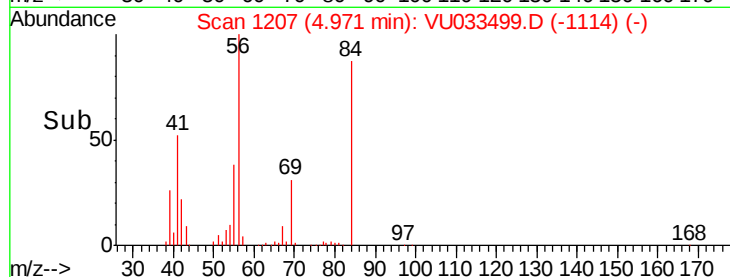
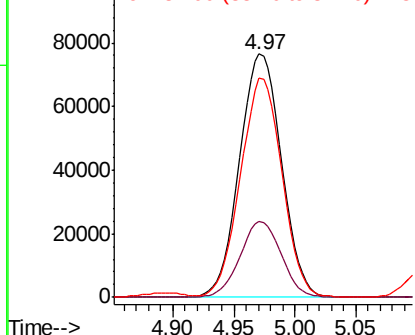
#29
Cyclohexane
Concen: 49.817 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

Instrument :
MSVOA_U
ClientSampleId :
VICV34

Tgt Ion: 56 Resp: 182399
Ion Ratio Lower Upper
56 100
69 30.6 25.0 37.6
84 89.4 71.6 107.4

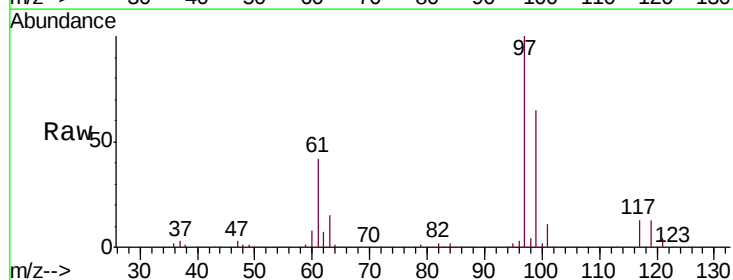


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

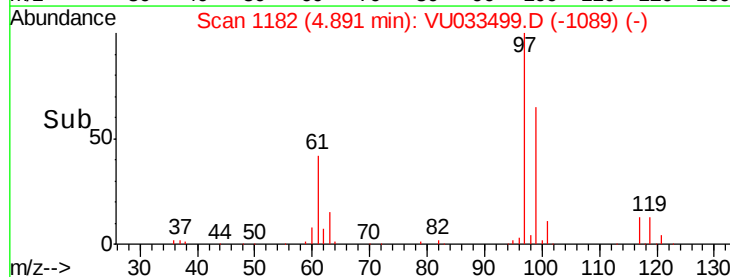
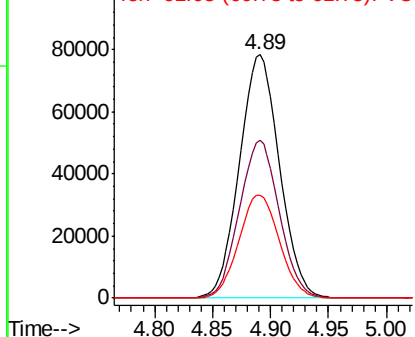


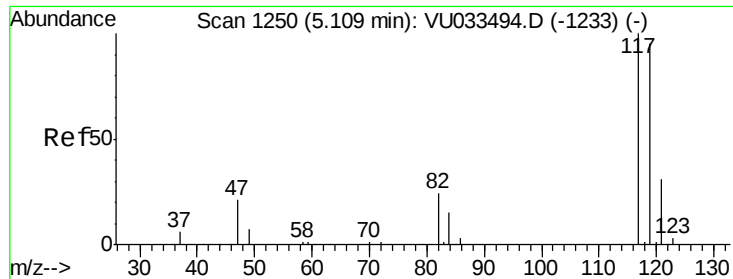
#30
1,1,1-Trichloroethane
Concen: 48.925 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

Tgt Ion: 97 Resp: 188961
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 43.0 35.5 53.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 48.897 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

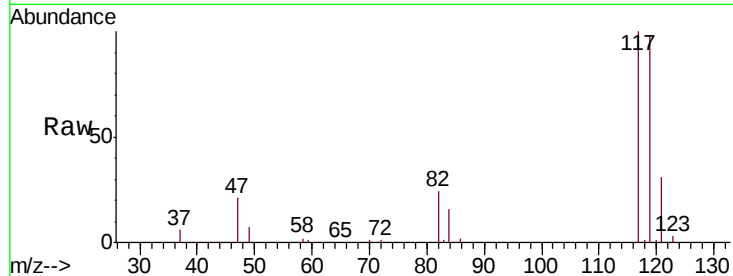
VICV34

Tgt Ion:117 Resp: 164461

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

80000

60000

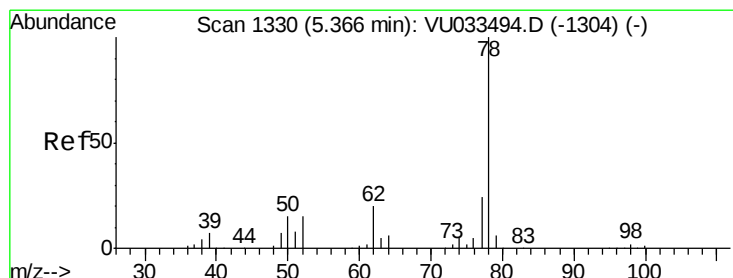
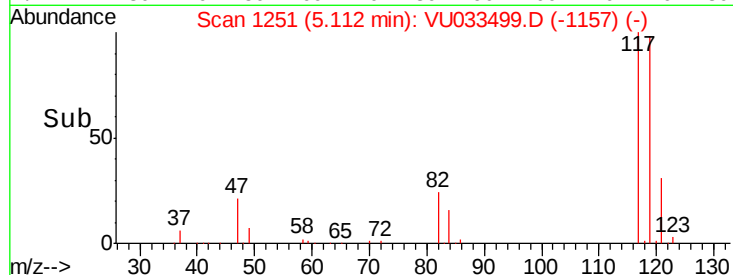
40000

20000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 49.452 ug/L

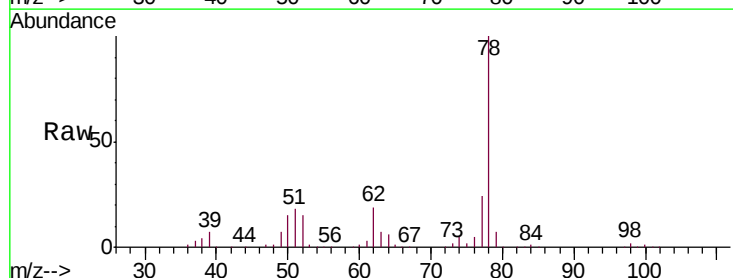
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Tgt Ion: 78 Resp: 478864



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

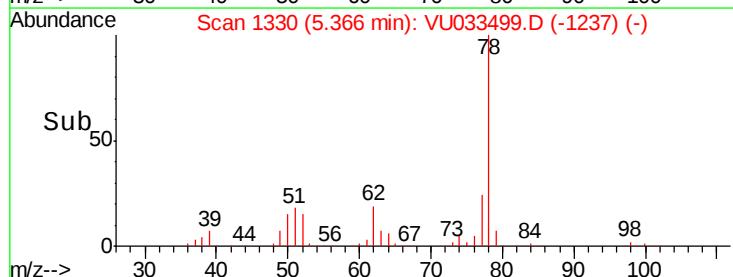
100000

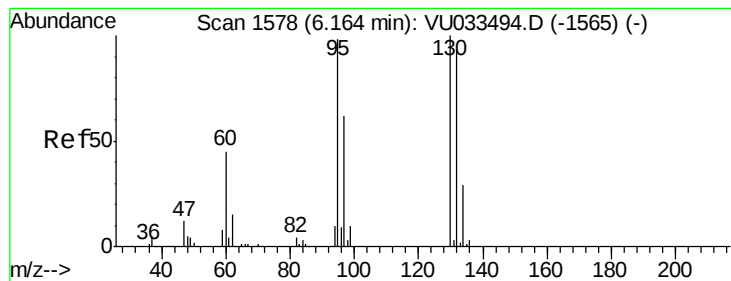
50000

0

Time-->

5.30 5.40





#34

Trichloroethene

Concen: 47.969 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VICV34

Tgt Ion: 95 Resp: 122530

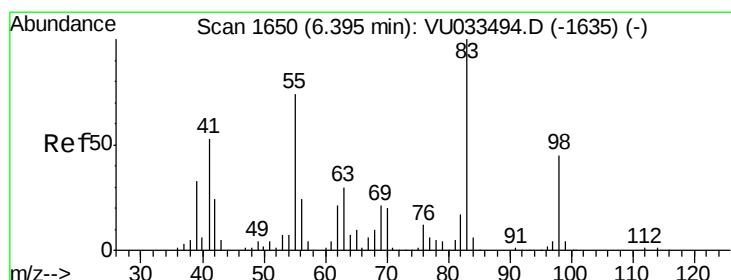
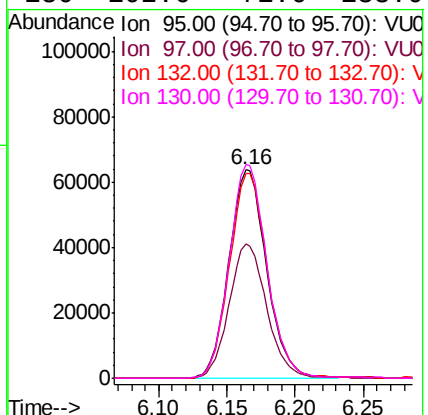
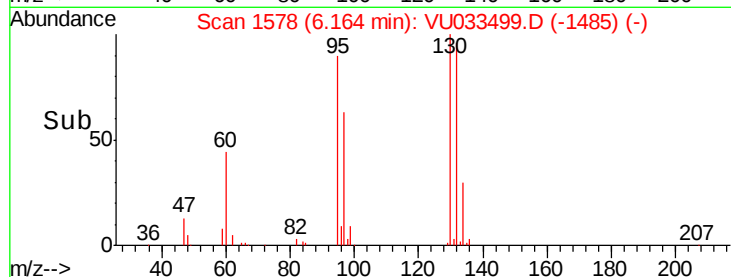
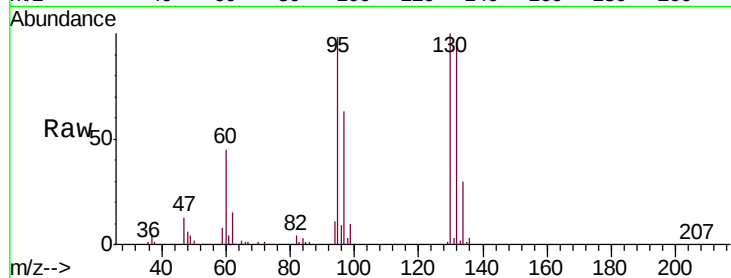
Ion Ratio Lower Upper

95 100

97 64.5 44.7 83.1

132 98.6 66.8 124.0

130 102.6 71.6 133.0



#35

Methylcyclohexane

Concen: 49.686 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

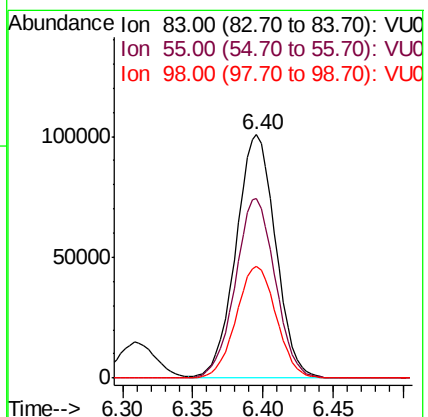
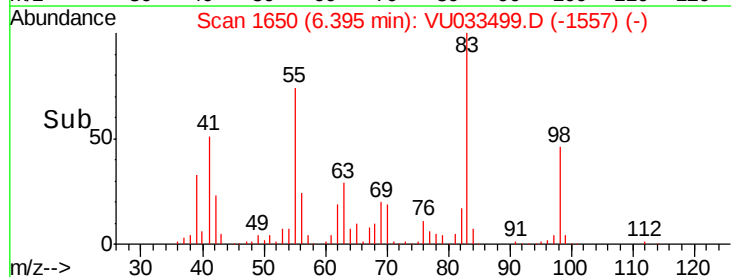
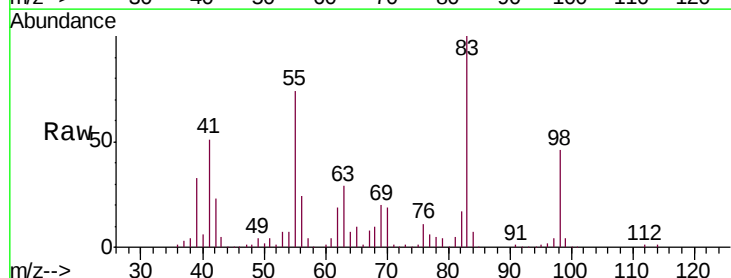
Tgt Ion: 83 Resp: 198049

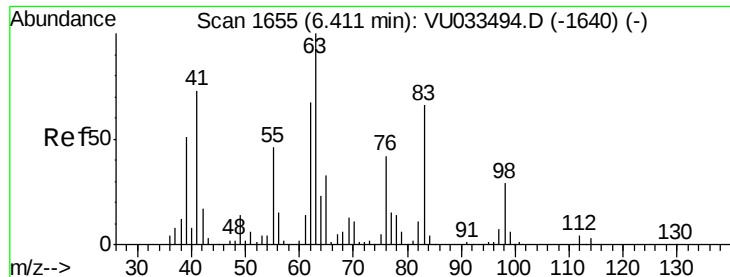
Ion Ratio Lower Upper

83 100

55 74.1 60.2 90.4

98 46.4 36.5 54.7





#37

1,2-Dichloropropane

Concen: 50.172 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampled :

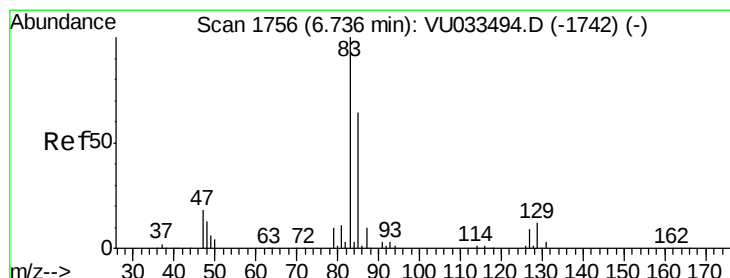
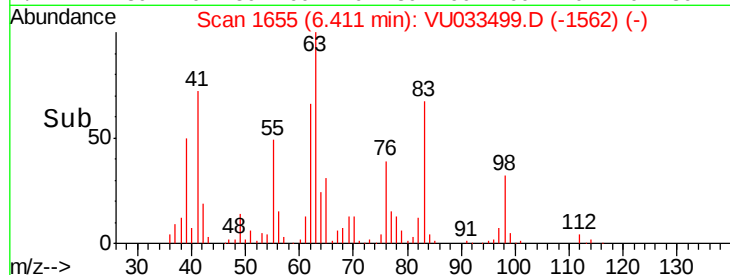
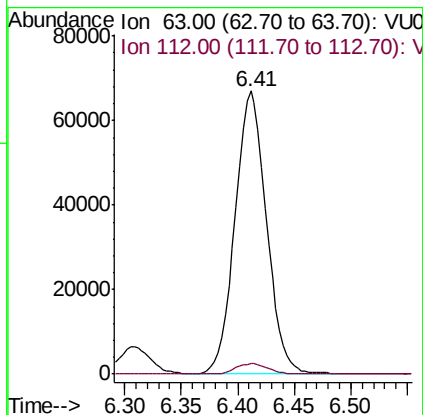
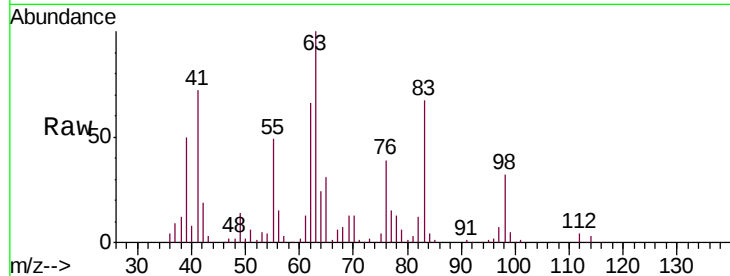
VICV34

Tgt Ion: 63 Resp: 130046

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 49.384 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

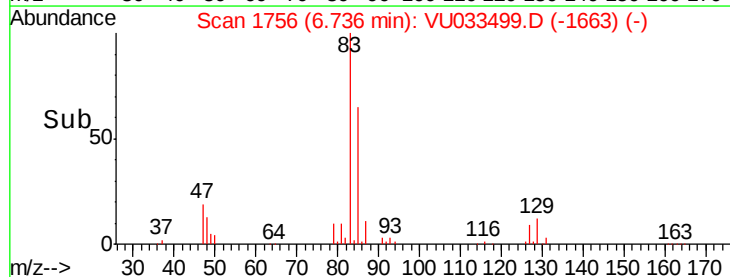
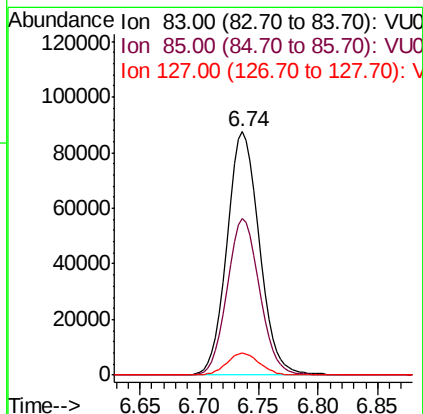
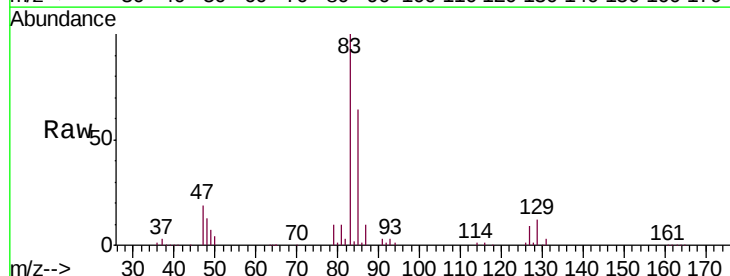
Tgt Ion: 83 Resp: 165475

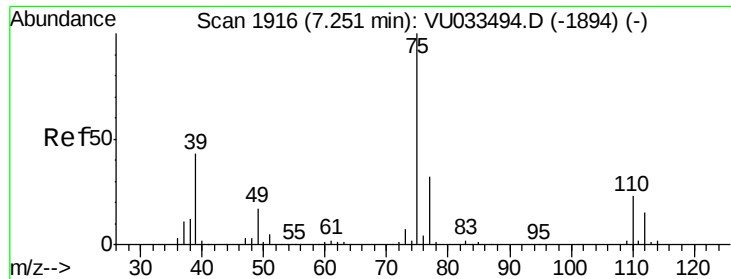
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

127 9.1 7.2 10.8

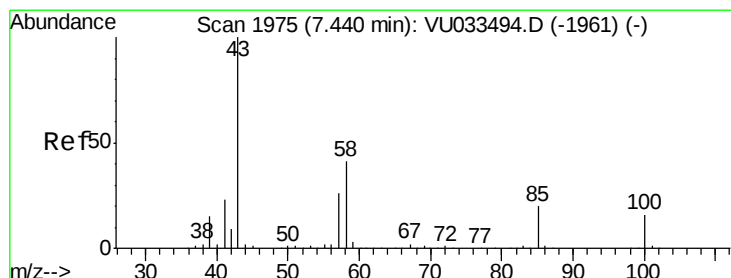
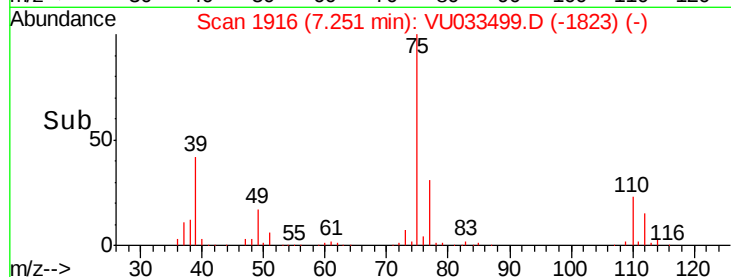
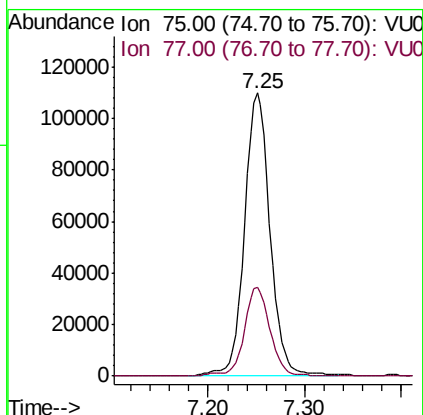
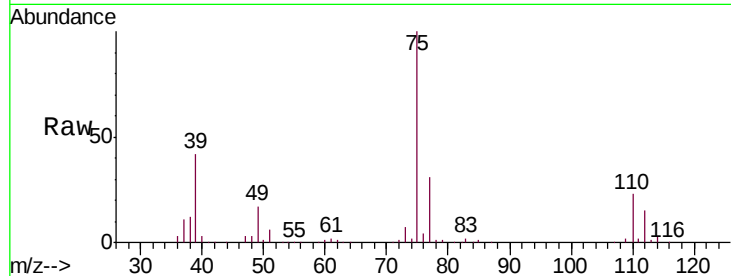




#39
 cis-1,3-Dichloropropene
 Concen: 49.960 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

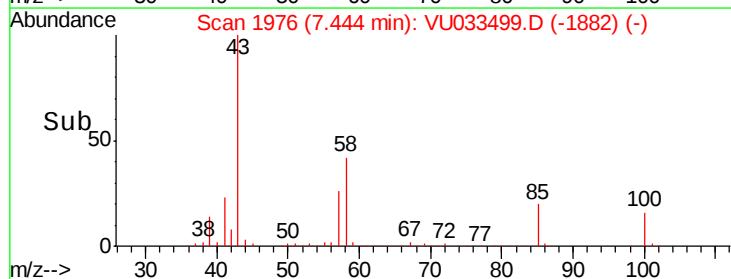
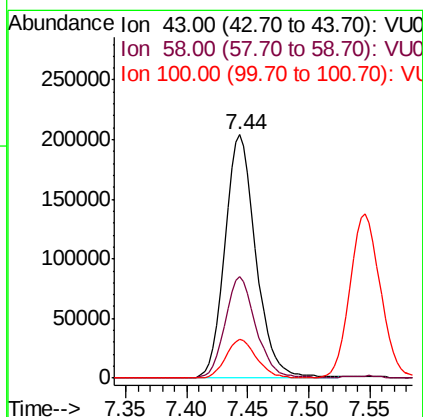
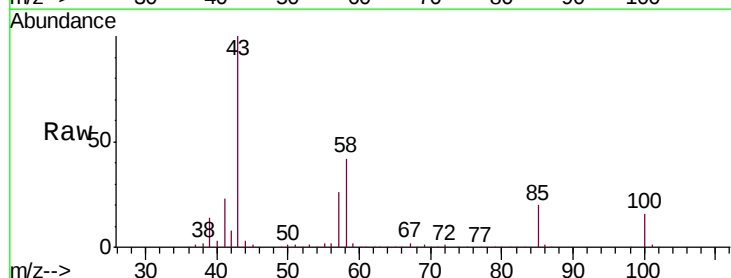
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

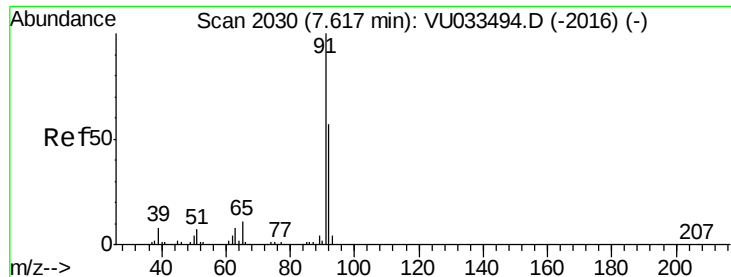
Tgt Ion: 75 Resp: 202117
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 101.511 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 43 Resp: 363279
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.8 49.2
 100 15.8 12.9 19.3





#42

Toluene

Concen: 50.463 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

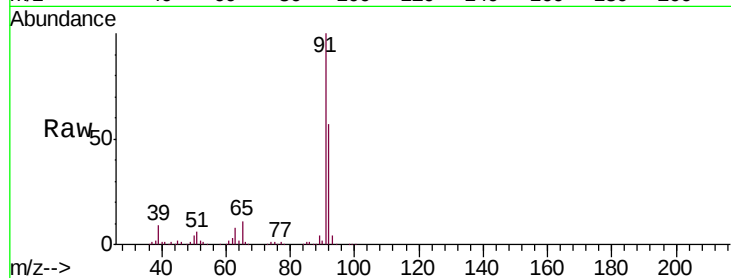
VICV34

Tgt Ion: 91 Resp: 525442

Ion Ratio Lower Upper

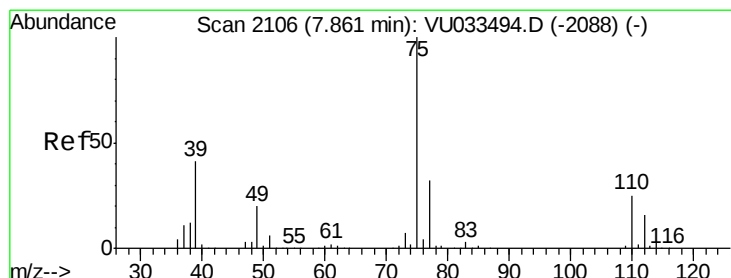
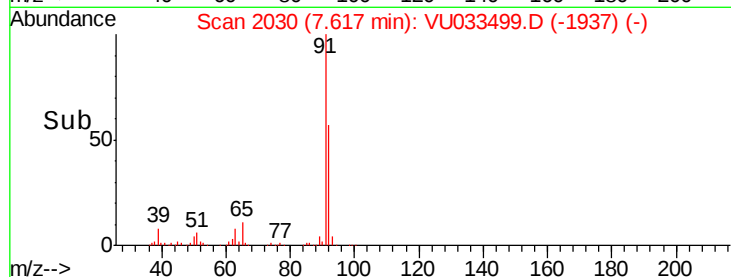
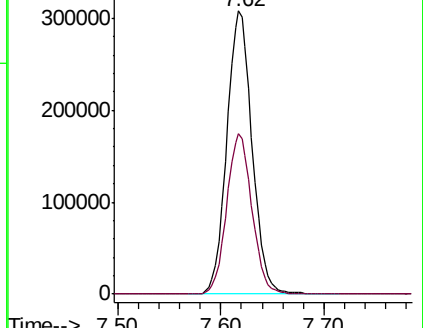
91 100

92 56.6 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU033499.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033499.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.645 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033499.D

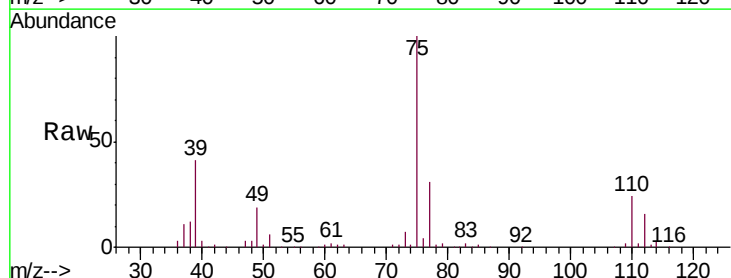
Acq: 30 Jul 2019 17:40

Tgt Ion: 75 Resp: 181506

Ion Ratio Lower Upper

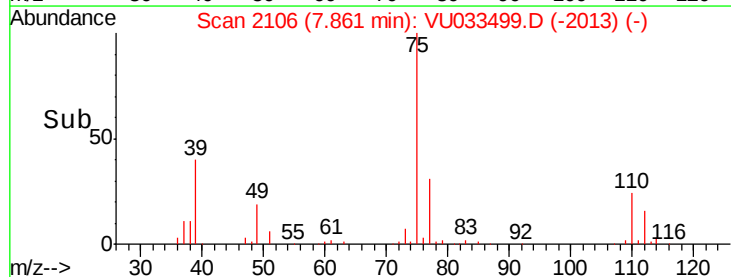
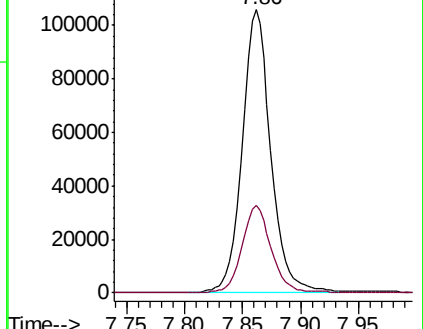
75 100

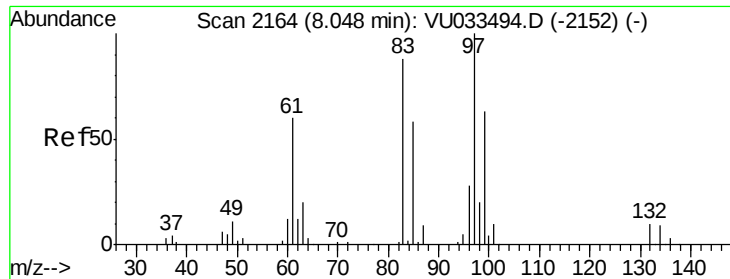
77 30.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU033499.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033499.D (-2088) (-)

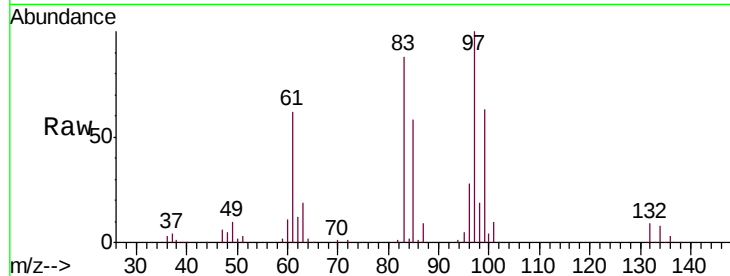




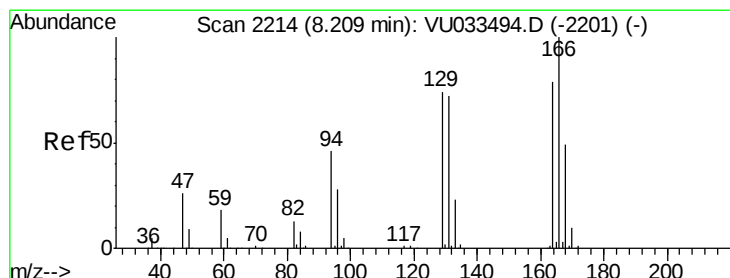
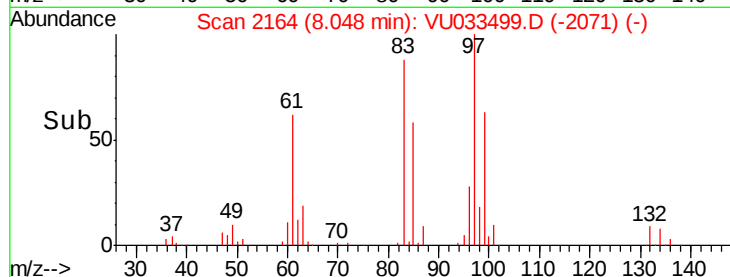
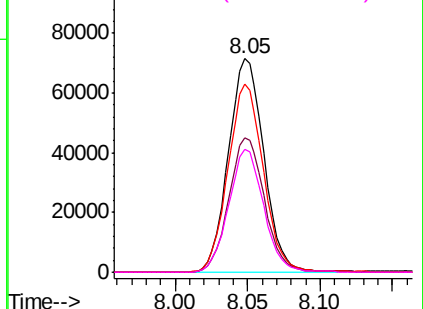
#45
 1,1,2-Trichloroethane
 Concen: 49.331 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

Tgt Ion:	97	Resp:	121388
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.4	82.4
83	88.2	61.5	114.1
85	57.7	40.4	75.0

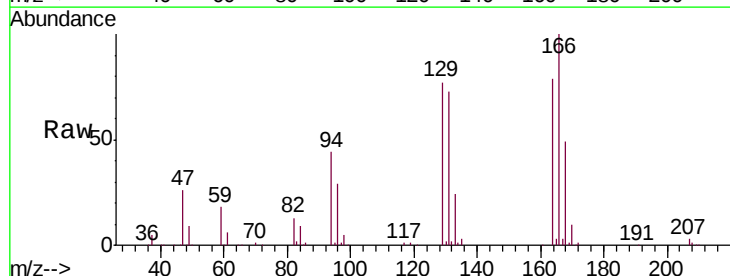


Abundance Ion 97.00 (96.70 to 97.70): VU033499.D (-2152) (-)
 Ion 99.00 (98.70 to 99.70): VU033499.D (-2152) (-)
 Ion 83.00 (82.70 to 83.70): VU033499.D (-2152) (-)
 Ion 85.00 (84.70 to 85.70): VU033499.D (-2152) (-)

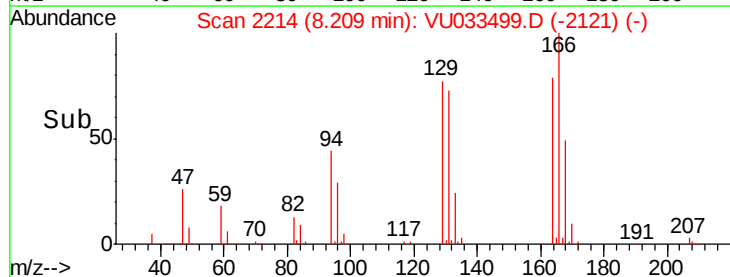
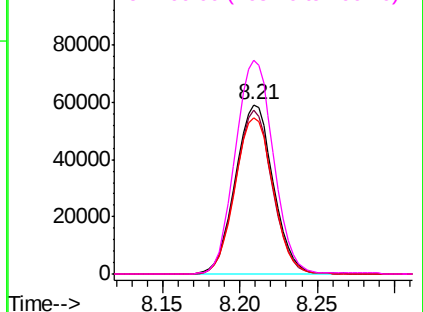


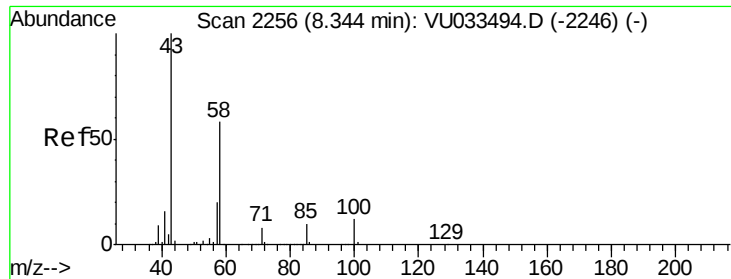
#46
 Tetrachloroethene
 Concen: 48.419 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Tgt Ion:	164	Resp:	100972
Ion	Ratio	Lower	Upper
164	100		
129	97.2	65.5	121.7
131	92.5	63.3	117.7
166	126.2	88.2	163.8



Abundance Ion 164.00 (163.70 to 164.70): VU033499.D (-2201) (-)
 Ion 129.00 (128.70 to 129.70): VU033499.D (-2201) (-)
 Ion 131.00 (130.70 to 131.70): VU033499.D (-2201) (-)
 Ion 166.00 (165.70 to 166.70): VU033499.D (-2201) (-)

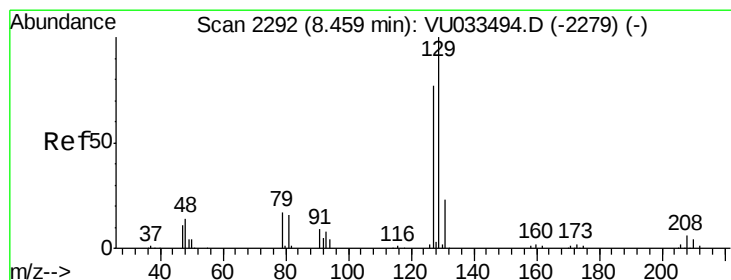
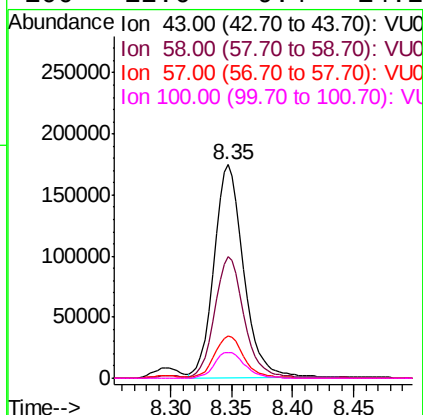
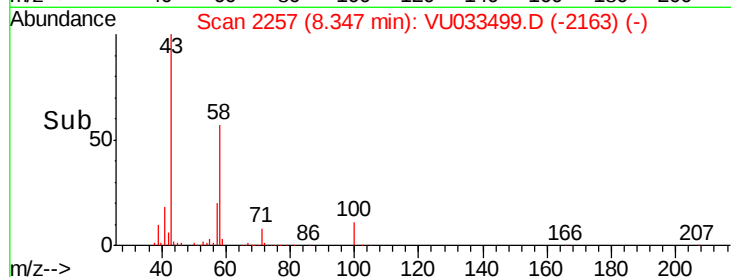
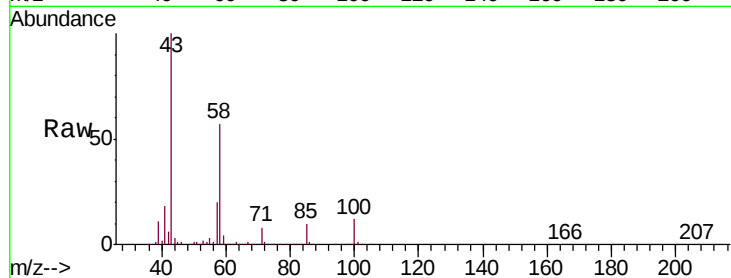




#48
2-Hexanone
Concen: 102.696 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

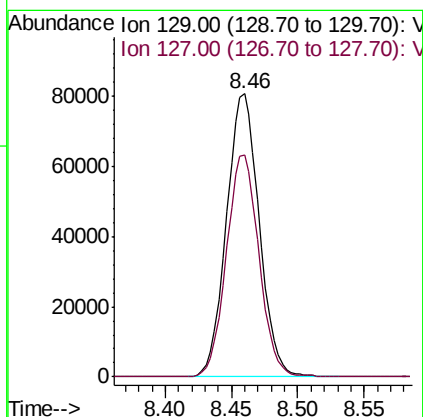
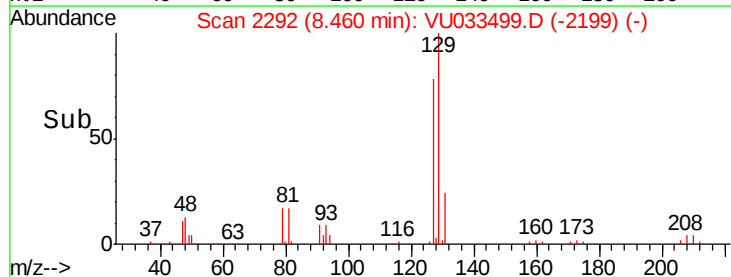
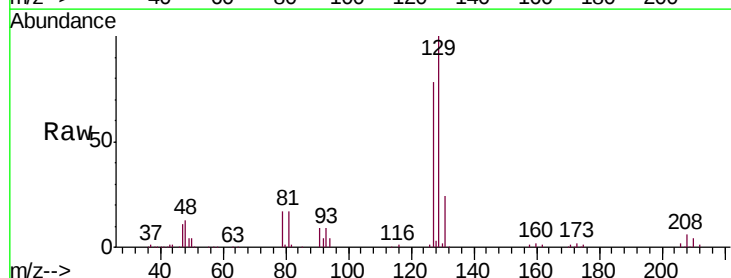
Instrument :
MSVOA_U
ClientSampleId :
VICV34

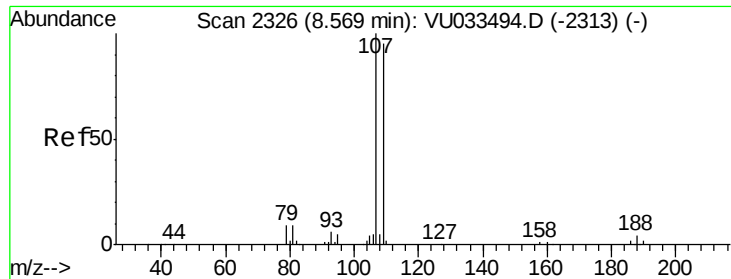
Tgt Ion: 43 Resp: 297070
Ion Ratio Lower Upper
43 100
58 56.7 45.8 68.6
57 19.6 15.8 23.6
100 12.6 9.4 14.2



#49
Dibromochloromethane
Concen: 49.562 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033499.D
Acq: 30 Jul 2019 17:40

Tgt Ion: 129 Resp: 138754
Ion Ratio Lower Upper
129 100
127 78.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 49.463 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampled :

VICV34

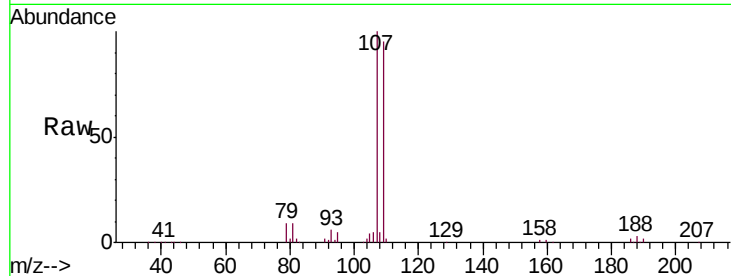
Tgt Ion:107 Resp: 134819

Ion Ratio Lower Upper

107 100

109 95.1 66.8 124.0

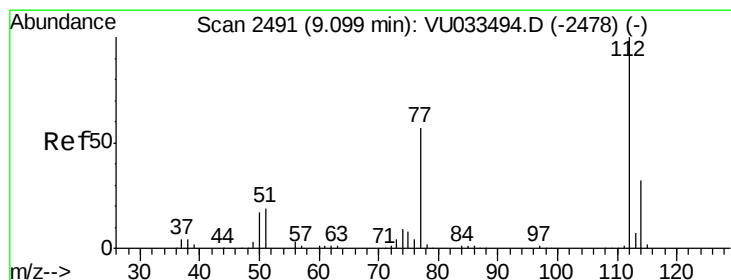
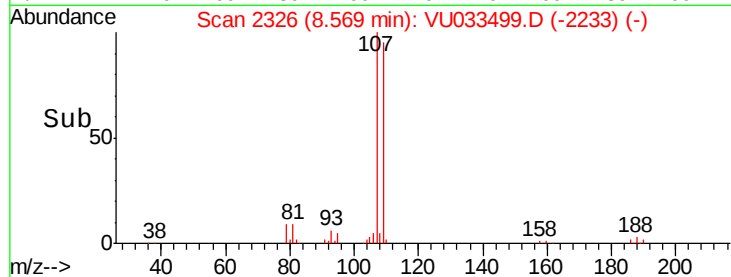
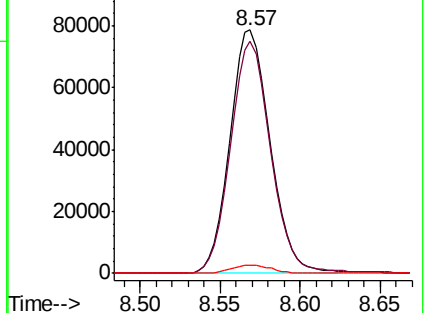
188 3.5 3.0 4.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.836 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

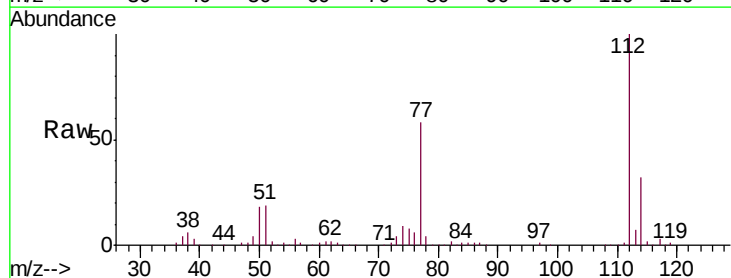
Tgt Ion:112 Resp: 332917

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

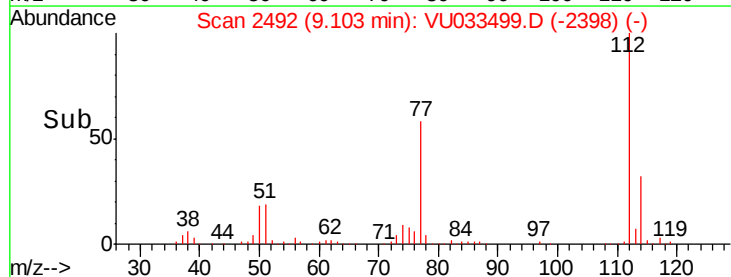
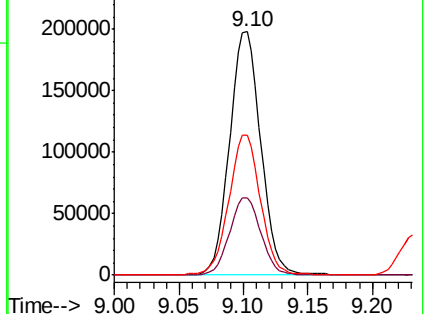
77 57.5 45.6 68.4

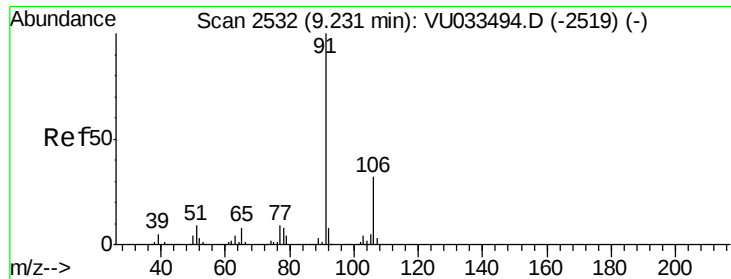


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 50.156 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

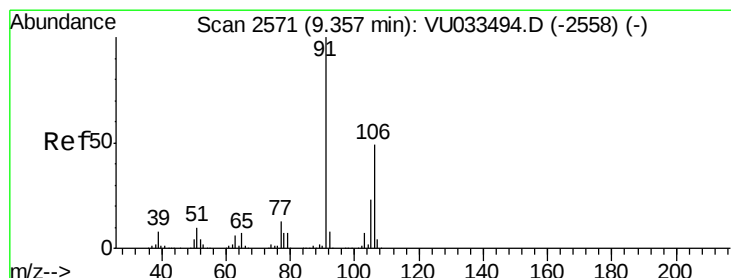
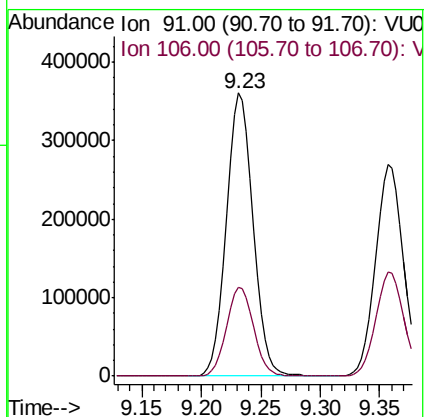
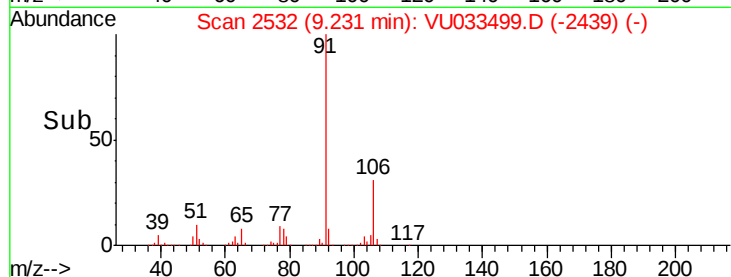
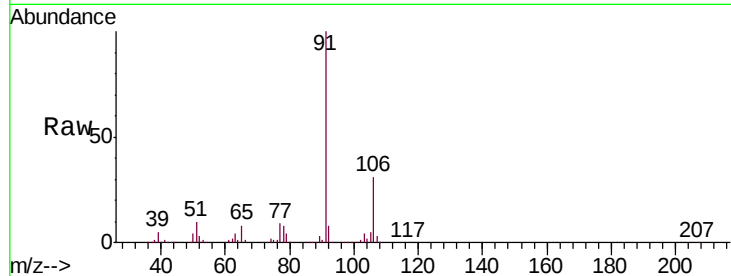
VICV34

Tgt Ion: 91 Resp: 562369

Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



#53

m,p-Xylene

Concen: 49.912 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033499.D

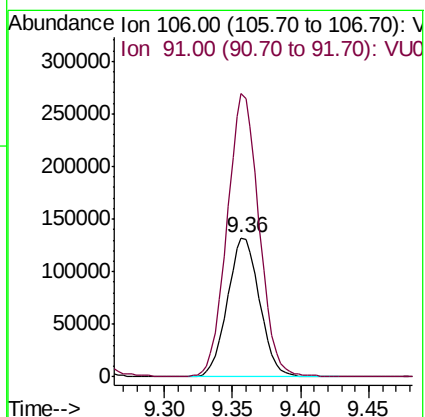
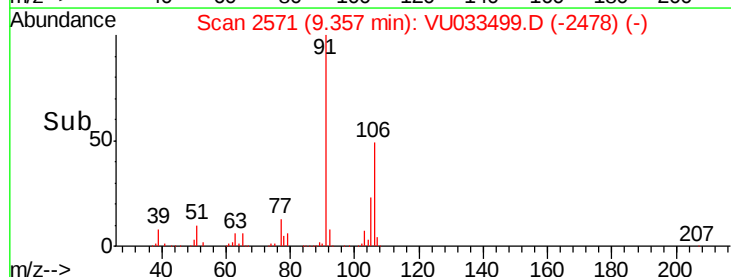
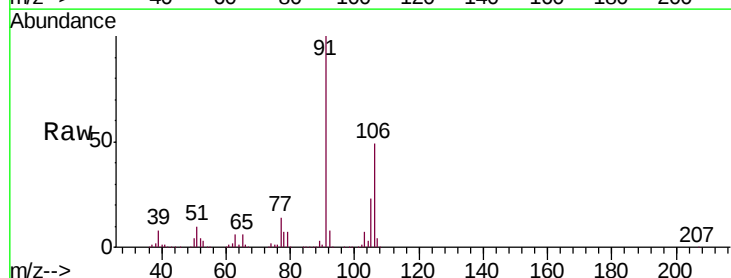
Acq: 30 Jul 2019 17:40

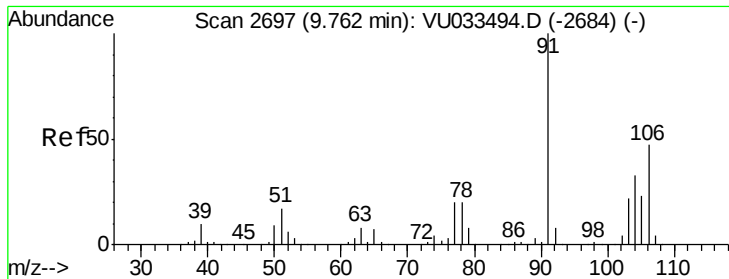
Tgt Ion: 106 Resp: 214840

Ion Ratio Lower Upper

106 100

91 203.7 143.0 265.6





#54

o-xylene

Concen: 50.933 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

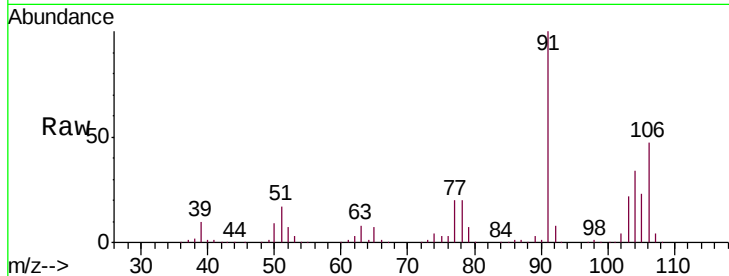
VICV34

Tgt Ion:106 Resp: 212668

Ion Ratio Lower Upper

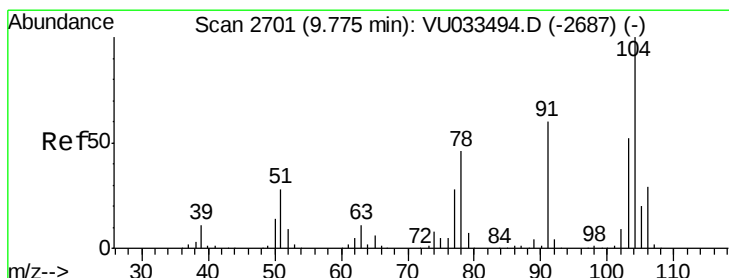
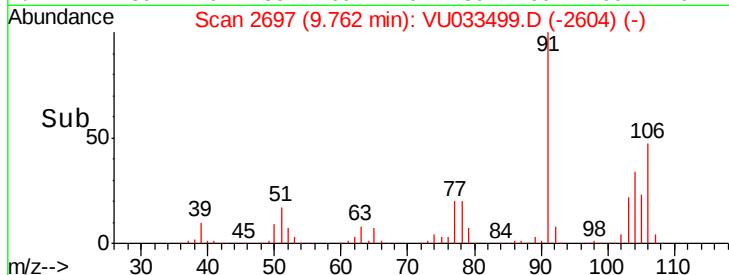
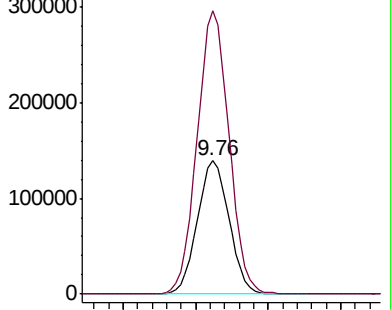
106 100

91 212.1 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.537 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033499.D

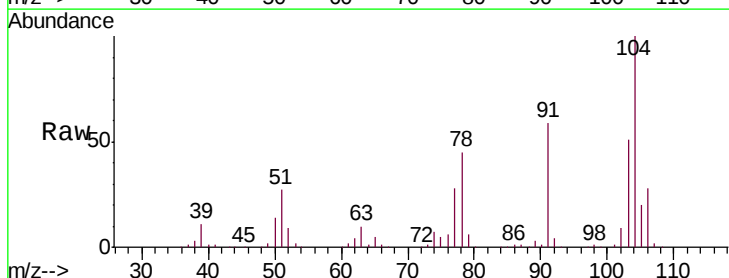
Acq: 30 Jul 2019 17:40

Tgt Ion:104 Resp: 365481

Ion Ratio Lower Upper

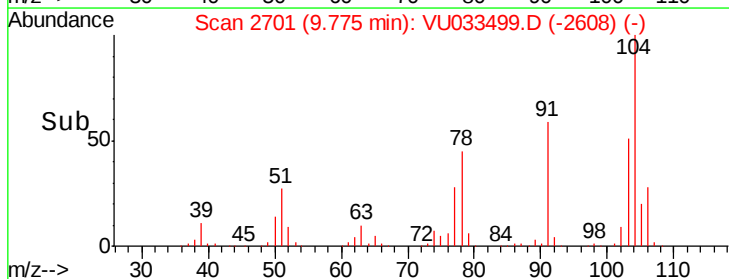
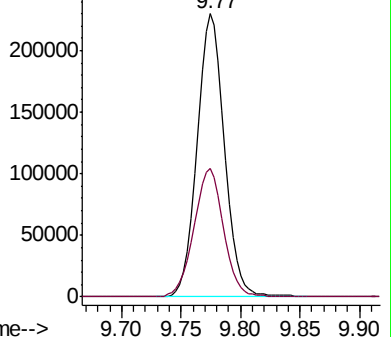
104 100

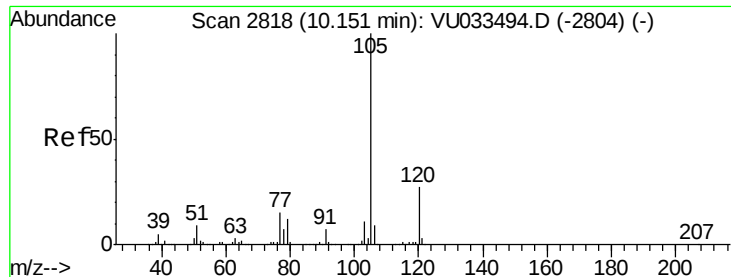
78 45.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.405 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VICV34

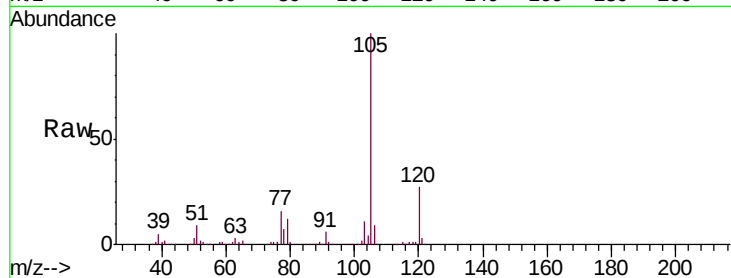
Tgt Ion: 105 Resp: 549915

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

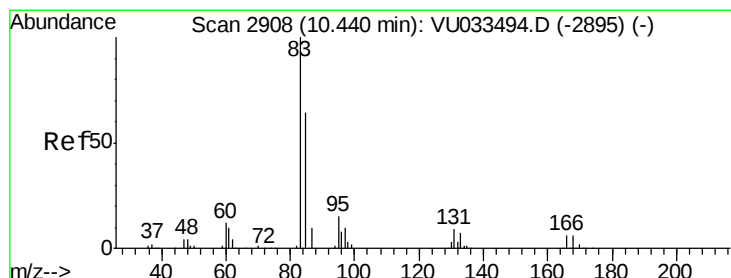
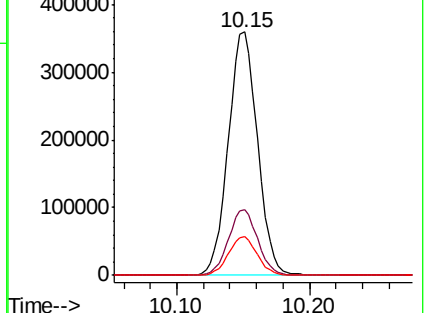
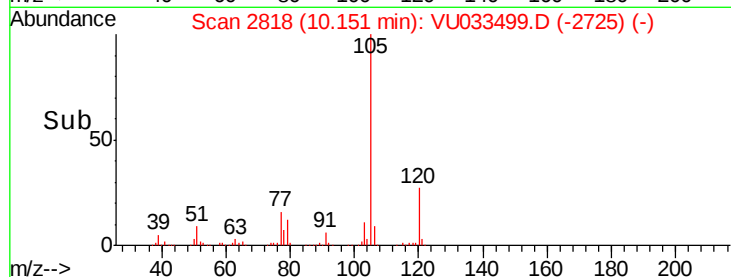
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.210 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

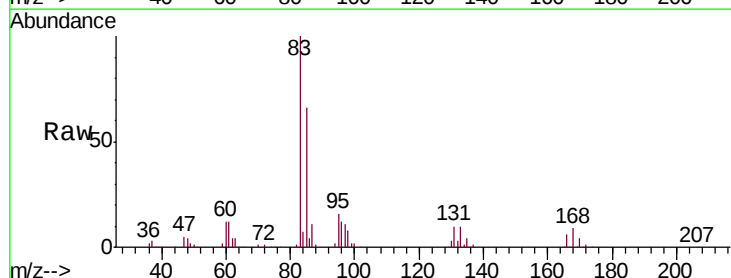
Tgt Ion: 83 Resp: 213963

Ion Ratio Lower Upper

83 100

85 66.4 45.4 84.4

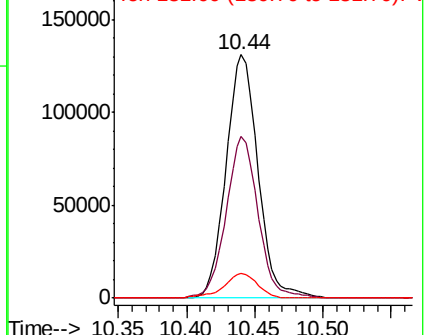
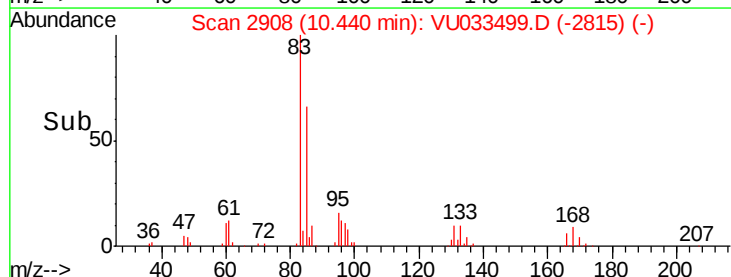
131 10.2 7.9 11.9

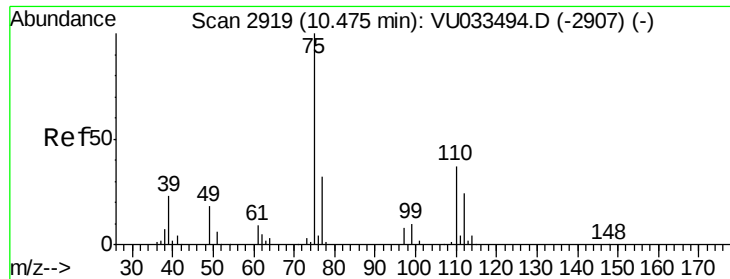


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.324 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

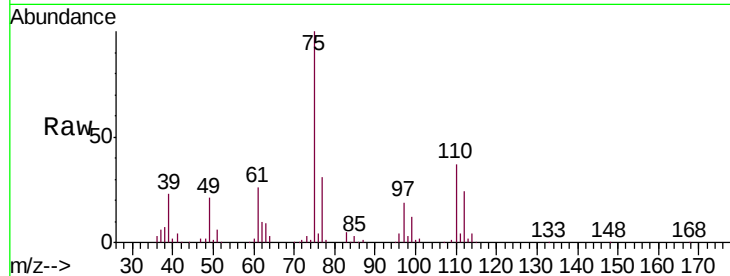
VICV34

Tgt Ion: 75 Resp: 168753

Ion Ratio Lower Upper

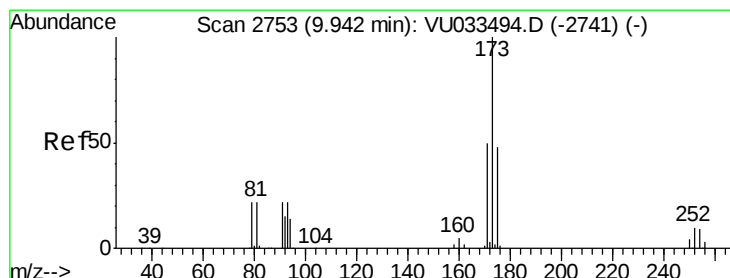
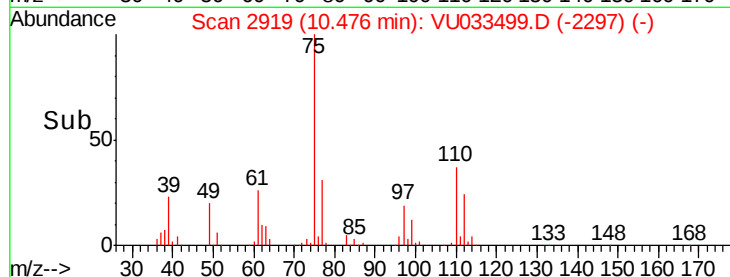
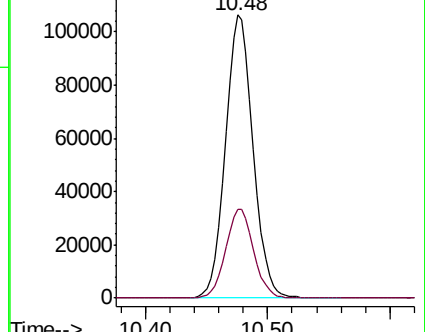
75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU033499.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033499.D (-2907) (-)



#61

Bromoform

Concen: 49.799 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

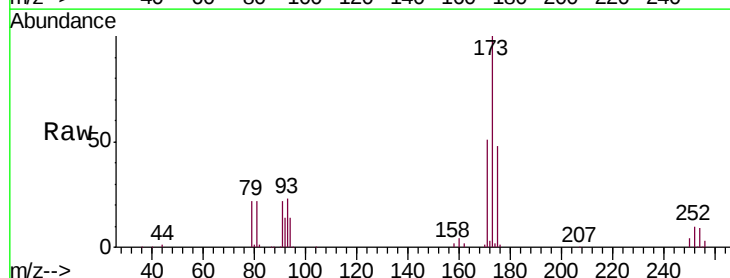
Tgt Ion: 173 Resp: 107806

Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

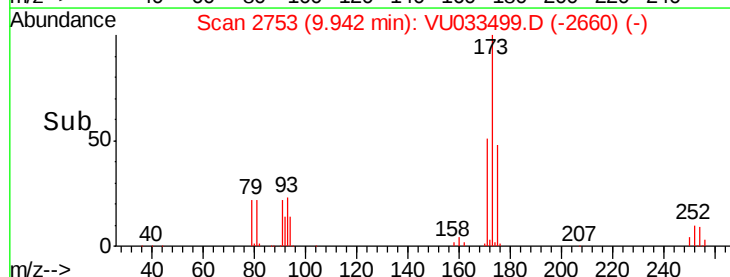
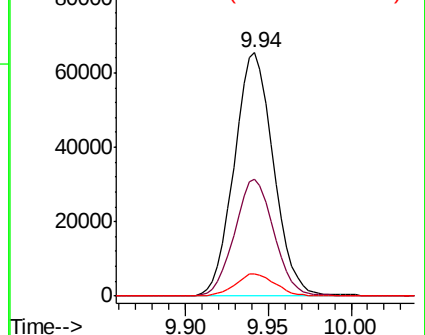
254 9.3 7.5 11.3

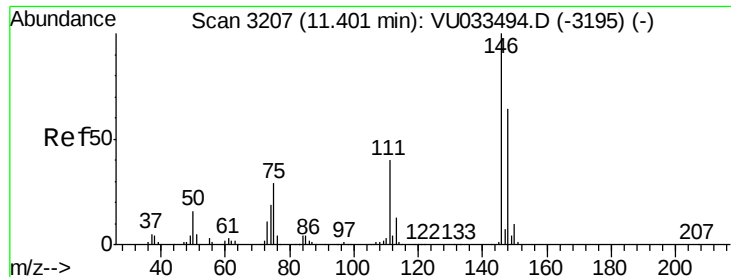


Abundance Ion 173.00 (172.70 to 173.70): VU033499.D (-2741) (-)

Ion 175.00 (174.70 to 175.70): VU033499.D (-2741) (-)

Ion 254.00 (253.70 to 254.70): VU033499.D (-2741) (-)





#62

1,3-Dichlorobenzene

Concen: 48.853 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VICV34

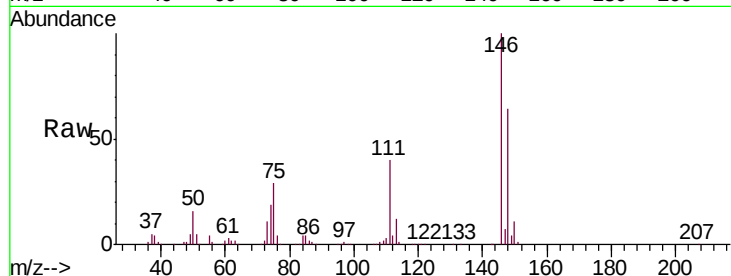
Tgt Ion:146 Resp: 268877

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

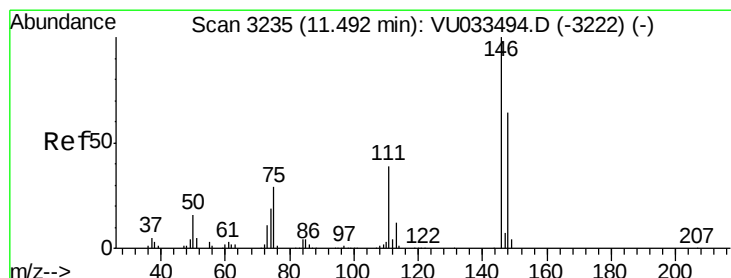
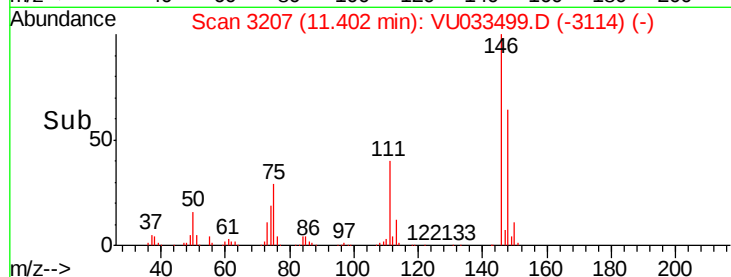
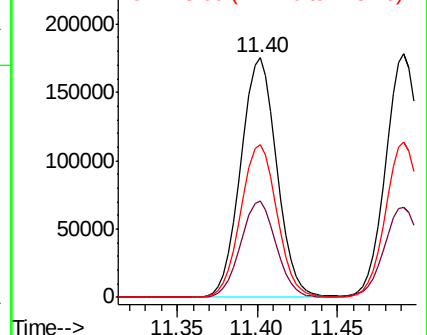
148 64.0 45.0 83.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.259 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

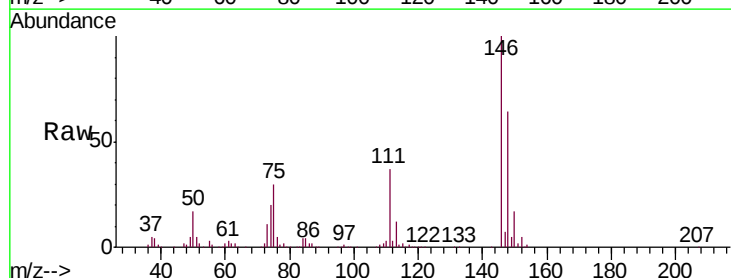
Tgt Ion:146 Resp: 275949

Ion Ratio Lower Upper

146 100

111 37.2 27.2 50.4

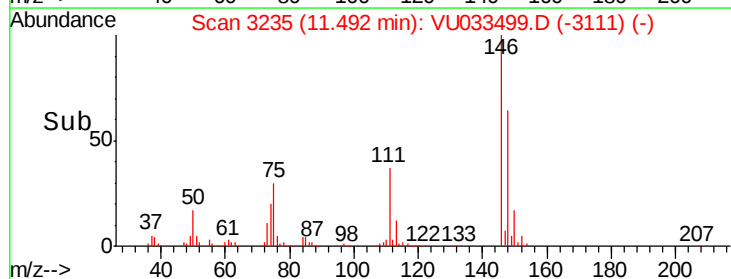
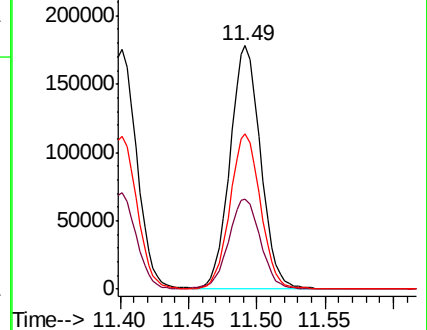
148 63.7 44.5 82.7

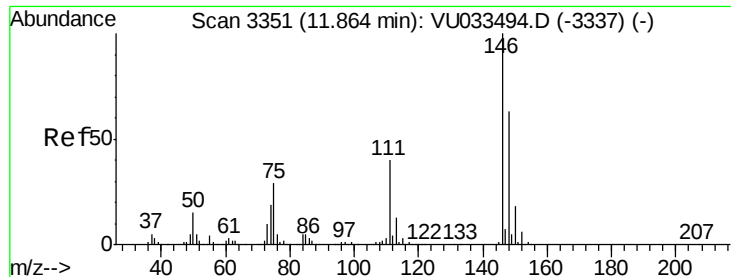


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

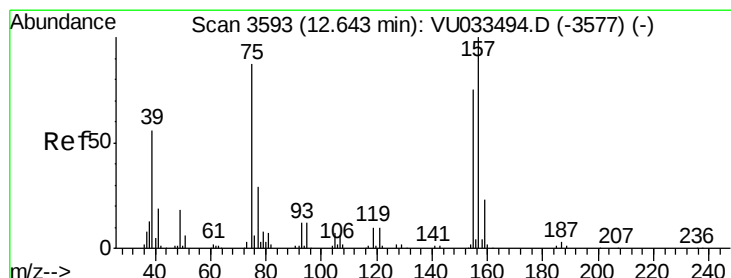
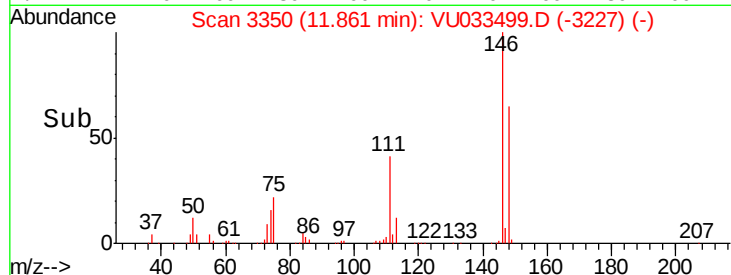
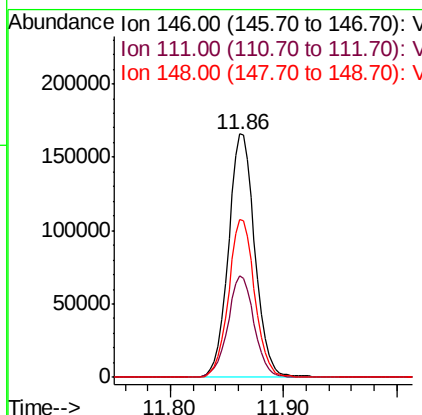
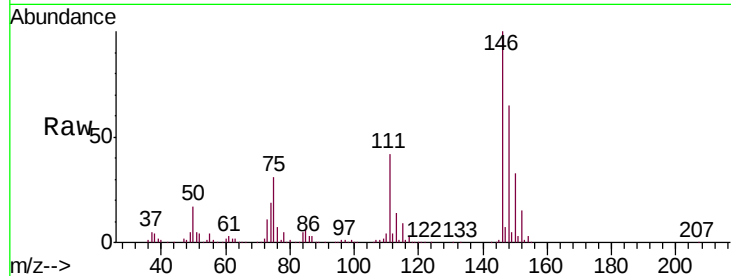




#65
 1,2-Dichlorobenzene
 Concen: 48.363 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

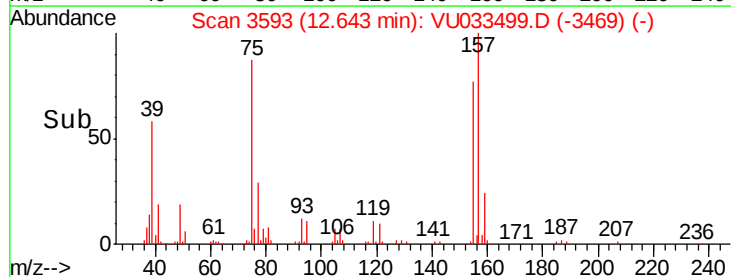
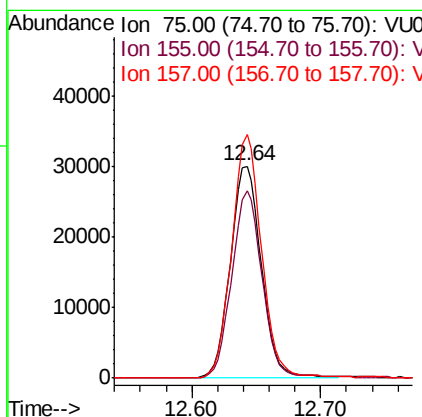
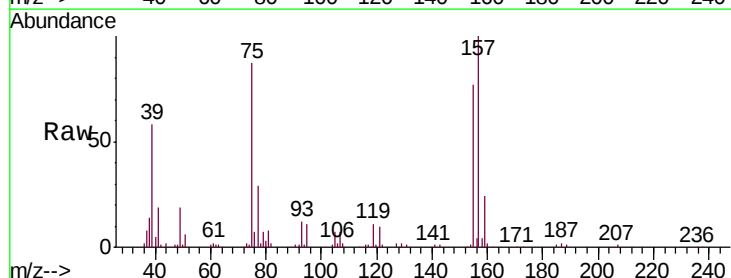
Instrument :
 MSVOA_U
 ClientSampled :
 VICV34

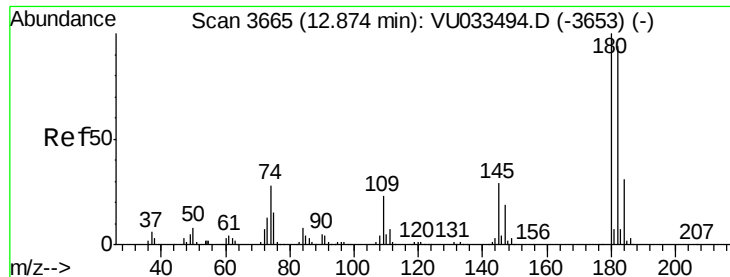
Tgt Ion: 146 Resp: 269137
 Ion Ratio Lower Upper
 146 100
 111 41.8 31.7 47.5
 148 65.0 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.890 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 75 Resp: 50267
 Ion Ratio Lower Upper
 75 100
 155 88.5 69.4 104.0
 157 114.8 91.8 137.8

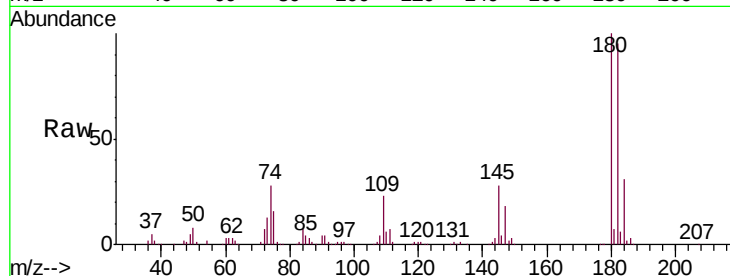




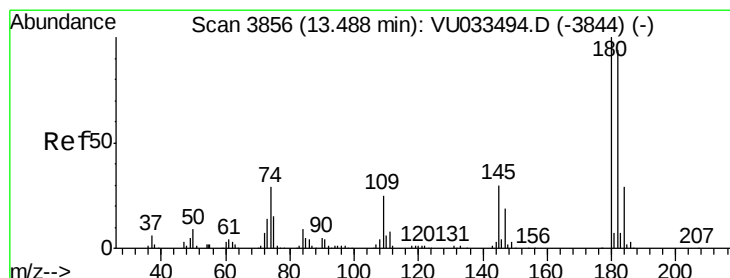
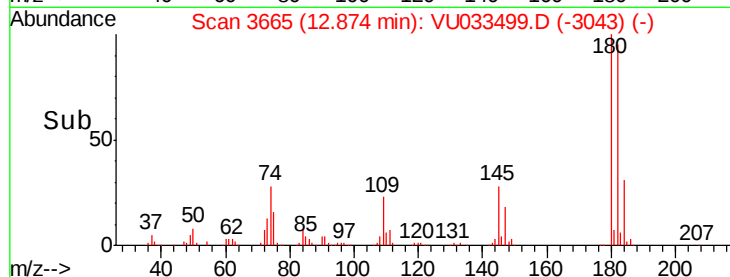
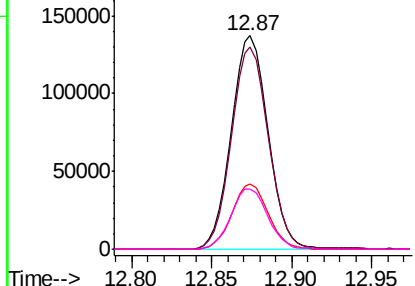
#67
 1,3,5-Trichlorobenzene
 Concen: 48.307 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

Tgt Ion:180 Resp: 214496
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.6 113.4
 184 30.2 24.2 36.2
 145 28.6 22.7 34.1

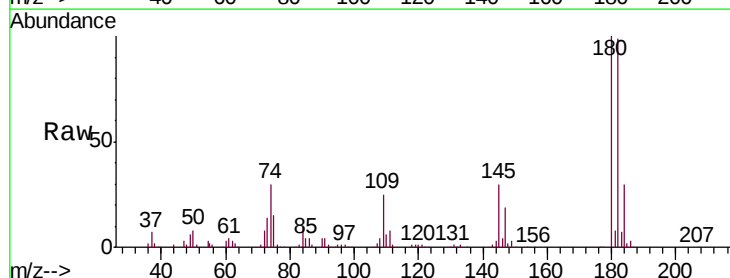


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

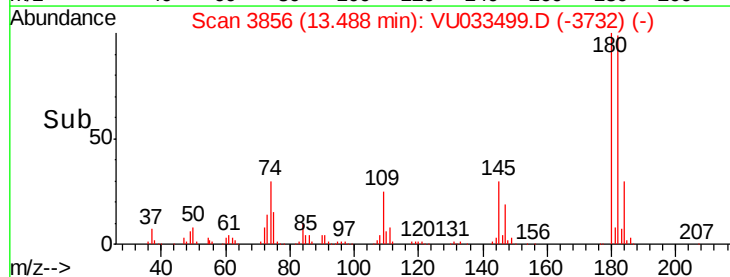
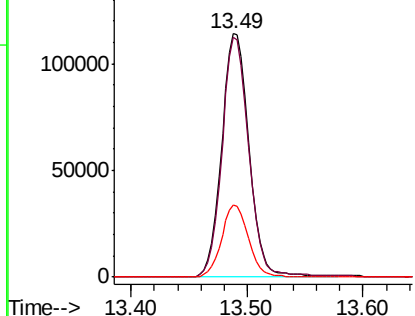


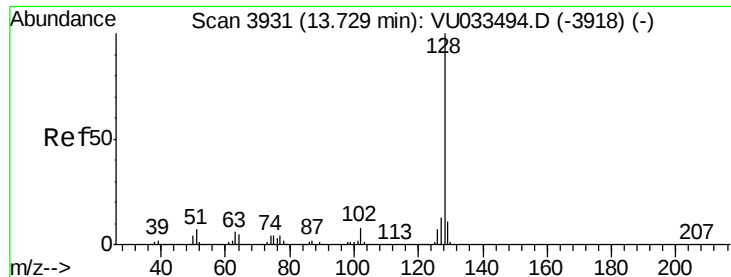
#68
 1,2,4-trichlorobenzene
 Concen: 49.578 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033499.D
 Acq: 30 Jul 2019 17:40

Tgt Ion:180 Resp: 188103
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.8
 145 28.9 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.394 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_U

ClientSampleId :

VICV34

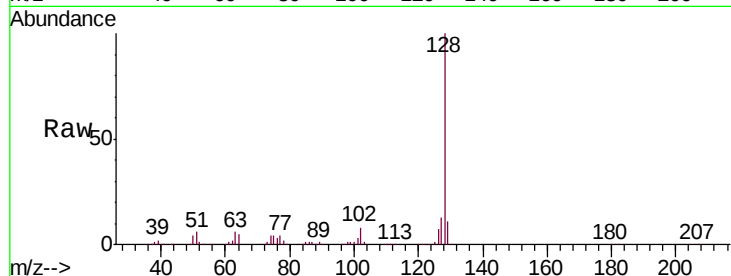
Tgt Ion:128 Resp: 548564

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

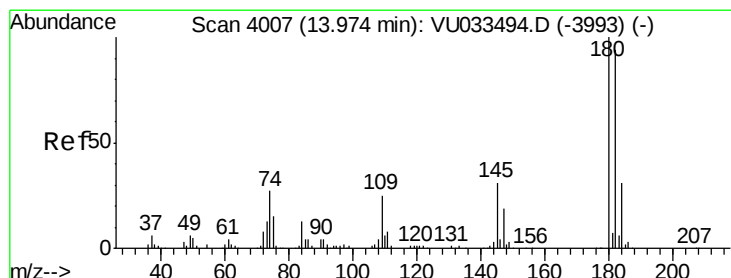
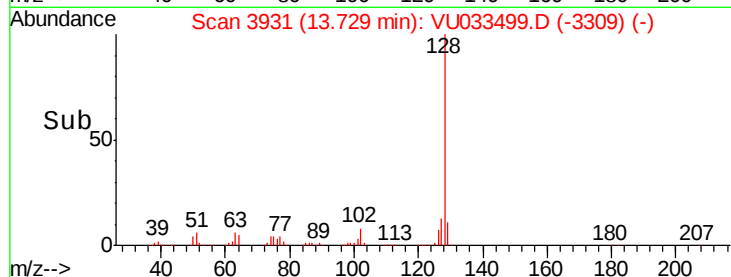
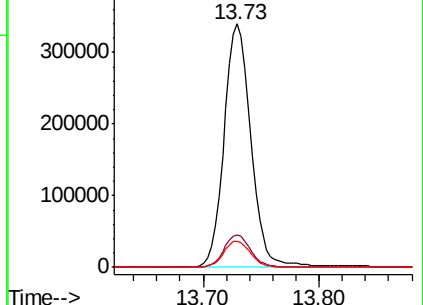
129 10.8 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 48.891 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033499.D

Acq: 30 Jul 2019 17:40

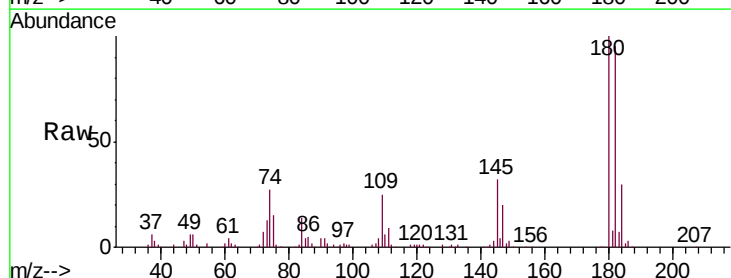
Tgt Ion:180 Resp: 195084

Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

145 31.5 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

