

Data File : VU031491.D
Acq On : 24 Apr 2019 23:35
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Apr 25 06:12:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	297790	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290019	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	127631	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120597	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	96595	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.27	63	240842	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.40%
20) 2-Butanone-d5	4.21	46	368687	57.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.36%
24) Chloroform-d	4.64	84	215866	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
26) 1,2-Dichloroethane-d4	5.31	65	113281	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.33	84	407735	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.33	67	135412	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.56	98	349133	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.85	79	47172	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.31	63	244621	49.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111478	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	117498	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	149108	5.836	ug/L 99
3) Chloromethane	1.32	50	183173	5.819	ug/L 100
5) Vinyl chloride	1.40	62	175332	5.642	ug/L 95
6) Bromomethane	1.63	94	86629	5.429	ug/L 98
8) Chloroethane	1.70	64	99488	5.657	ug/L 98
9) Trichlorofluoromethane	1.88	101	206948	5.783	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	113861	5.502	ug/L 98
12) 1,1-Dichloroethene	2.28	96	112281	5.426	ug/L 96
13) Acetone	2.35	43	260891	57.442	ug/L 98
14) Carbon disulfide	2.47	76	379838	5.521	ug/L 99
15) Methyl Acetate	2.62	43	71238	5.680	ug/L 98
16) Methylene chloride	2.70	84	129509	5.534	ug/L 94
17) Methyl tert-butyl Ether	3.00	73	320541	5.487	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	119162	5.469	ug/L 96
19) 1,1-Dichloroethane	3.44	63	242913	5.860	ug/L 99
21) 2-Butanone	4.29	43	406121	58.810	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	123917	5.496	ug/L 99

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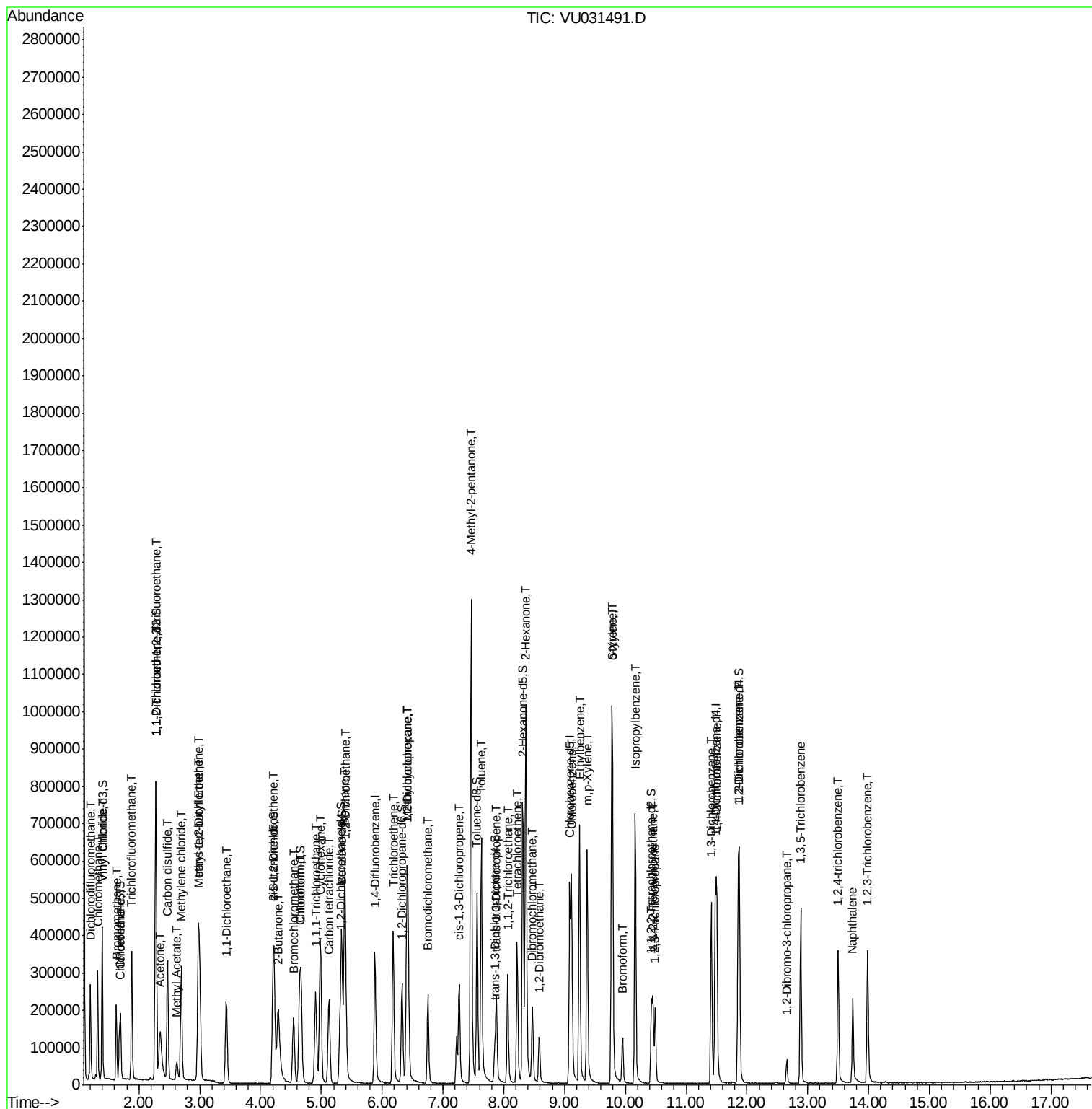
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	54147	5.584	ug/L	90
25) Chloroform	4.67	83	229721	5.974	ug/L	99
27) 1,2-Dichloroethane	5.40	62	150207	5.944	ug/L	96
29) 1,1,1-Trichloroethane	4.91	97	190296	5.736	ug/L	98
30) Cyclohexane	4.98	56	196592	4.922	ug/L	97
31) Carbon tetrachloride	5.13	117	161834	5.670	ug/L	99
33) Benzene	5.38	78	500133	5.581	ug/L	100
34) Trichloroethene	6.18	95	151333	6.407	ug/L	97
35) Methylcyclohexane	6.41	83	164174	4.698	ug/L	97
37) 1,2-Dichloropropane	6.43	63	133881	5.574	ug/L	100
38) Bromodichloromethane	6.75	83	161611	5.751	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	163865	4.909	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	918276	55.877	ug/L	97
42) Toluene	7.63	91	508731	5.655	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	138513	5.363	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	92040	5.624	ug/L	90
47) Tetrachloroethene	8.22	164	87357	5.293	ug/L	98
48) 2-Hexanone	8.36	43	681390	59.110	ug/L	97
49) Dibromochloromethane	8.47	129	101584	5.539	ug/L	98
50) 1,2-Dibromoethane	8.58	107	87342	5.559	ug/L	98
51) Chlorobenzene	9.12	112	296421	5.432	ug/L	97
52) Ethylbenzene	9.25	91	489039	5.106	ug/L	100
53) m,p-Xylene	9.37	106	180921	5.305	ug/L	97
54) o-Xylene	9.78	106	174910	5.195	ug/L	95
55) Styrene	9.79	104	310302	5.572	ug/L	97
56) Isopropylbenzene	10.16	105	461066	5.183	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	117537	5.644	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	86207	5.698	ug/L	100
61) Bromoform	9.95	173	55555	5.533	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	196951	5.212	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	201002	5.107	ug/L	96
65) 1,2-Dichlorobenzene	11.87	146	199353	5.321	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	17760	5.667	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	147626	5.143	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	107464	4.752	ug/L	97
69) Naphthalene	13.74	128	197840	4.475	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	117058	5.245	ug/L	98

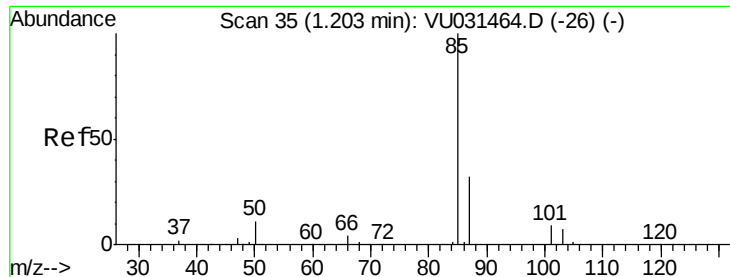
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.836 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

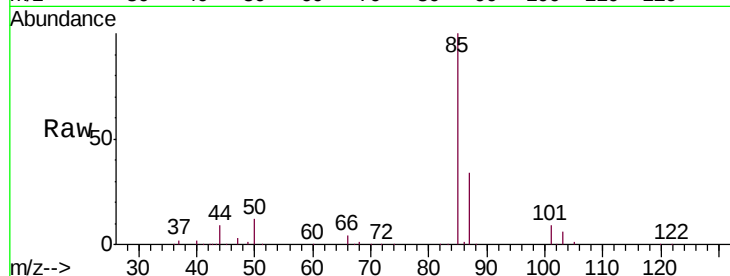
VSTD00520

Tgt Ion: 85 Resp: 149108

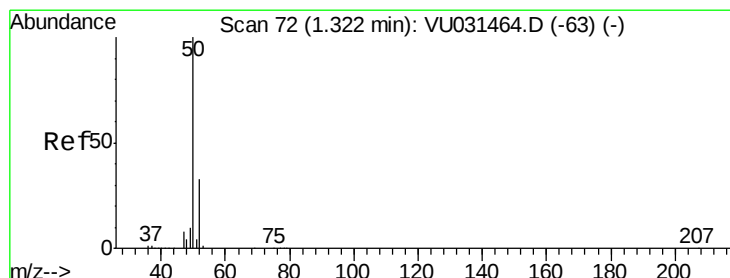
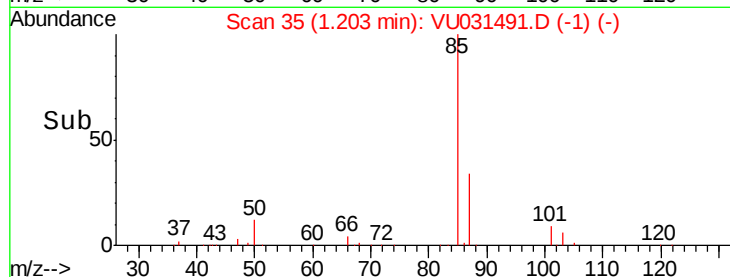
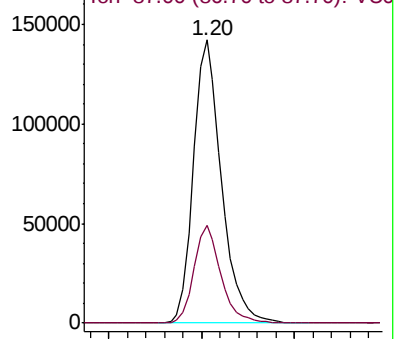
Ion Ratio Lower Upper

85 100

87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031491.D (-1) (-)



#3

Chloromethane

Concen: 5.819 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031491.D

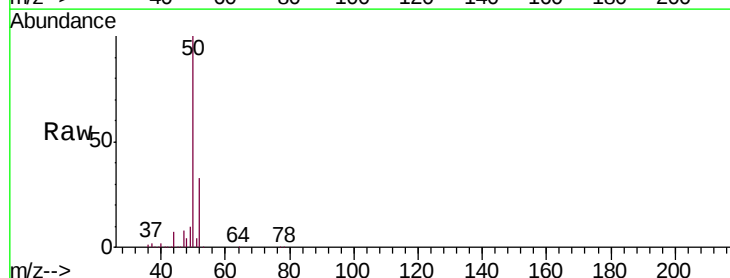
Acq: 24 Apr 2019 23:35

Tgt Ion: 50 Resp: 183173

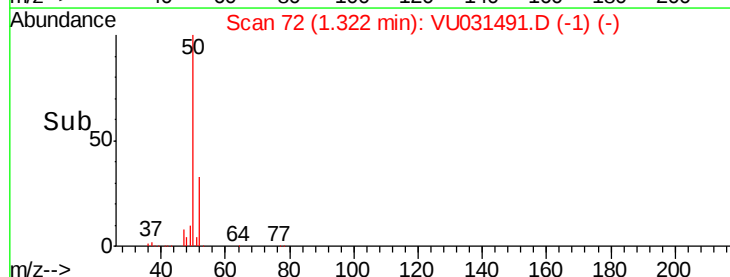
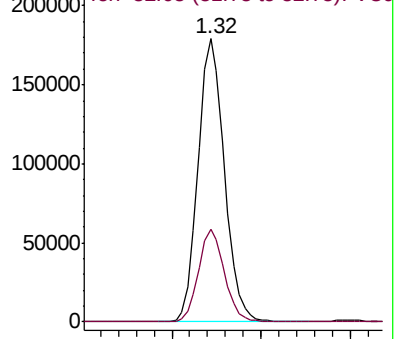
Ion Ratio Lower Upper

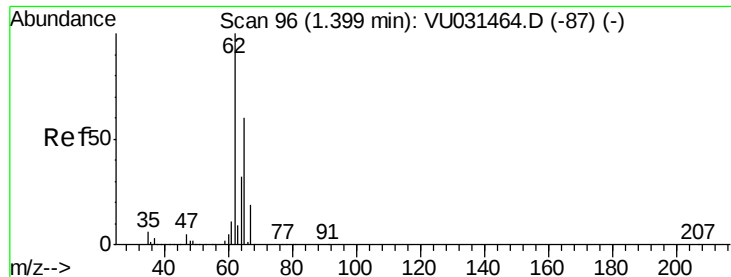
50 100

52 32.8 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031491.D (-1) (-)





#5

Vinyl chloride

Concen: 5.642 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

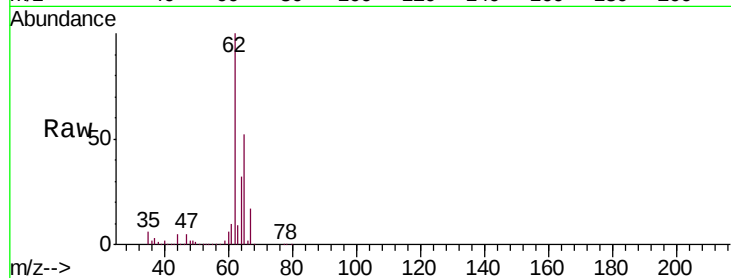
VSTD00520

Tgt Ion: 62 Resp: 175332

Ion Ratio Lower Upper

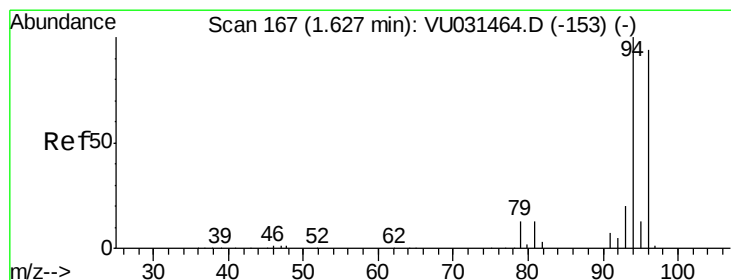
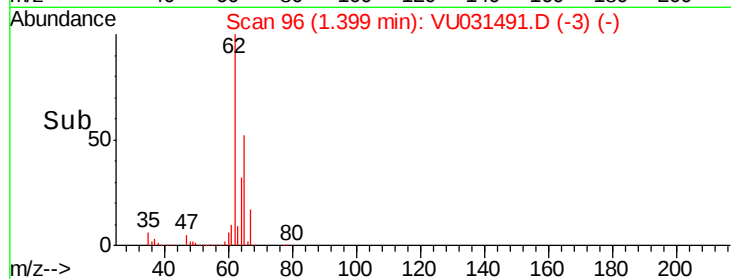
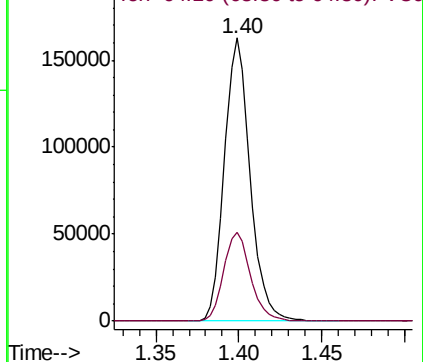
62 100

64 31.5 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031464.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031464.D (-87) (-)



#6

Bromomethane

Concen: 5.429 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031491.D

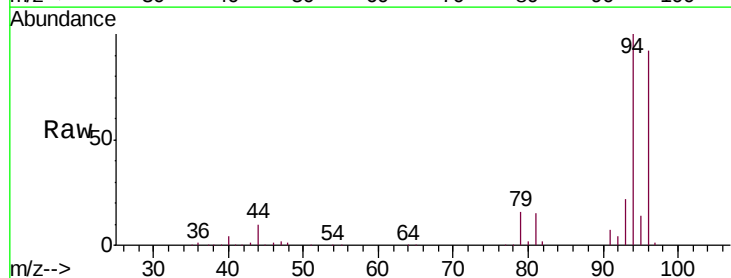
Acq: 24 Apr 2019 23:35

Tgt Ion: 94 Resp: 86629

Ion Ratio Lower Upper

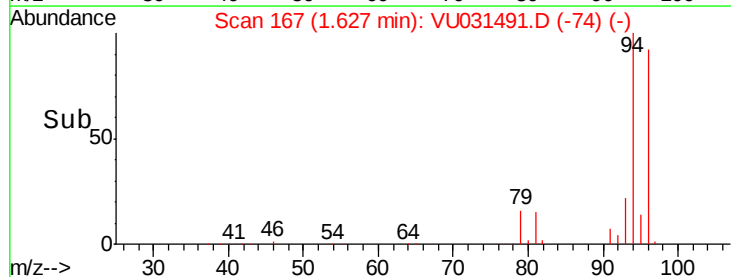
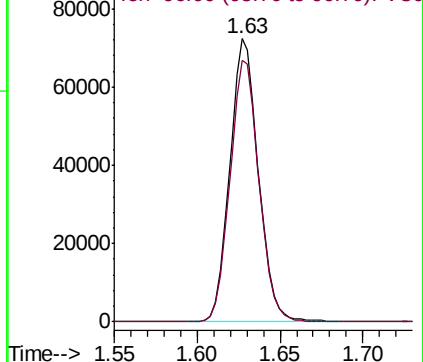
94 100

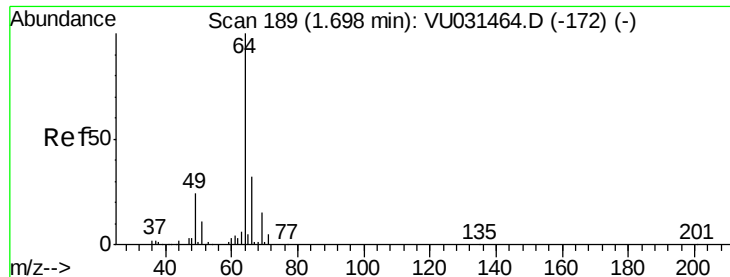
96 92.5 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031464.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU031464.D (-153) (-)

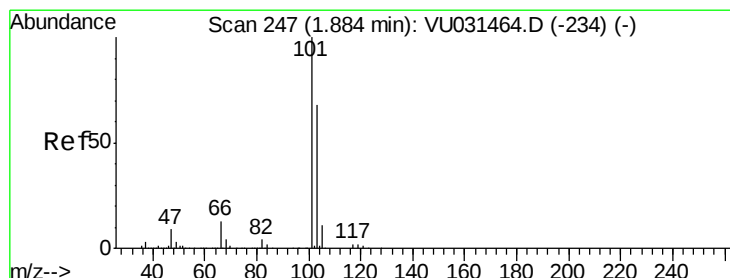
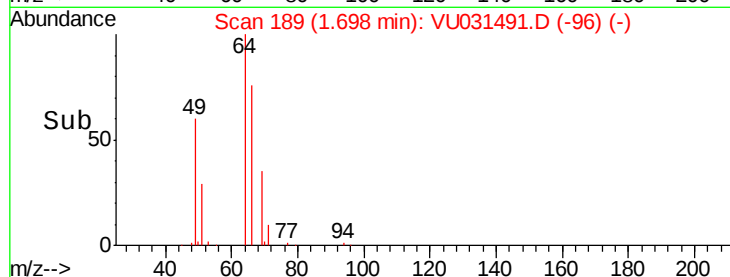
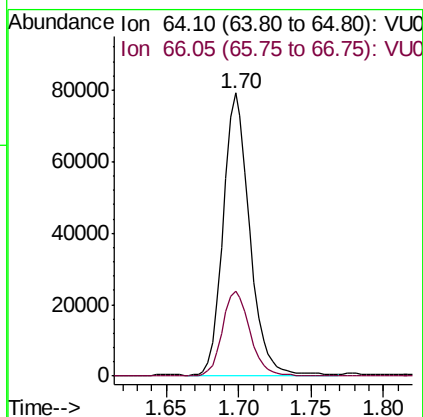
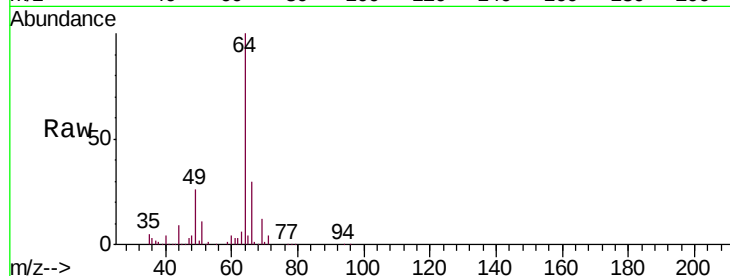




#8
Chloroethane
Concen: 5.657 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU031491.D
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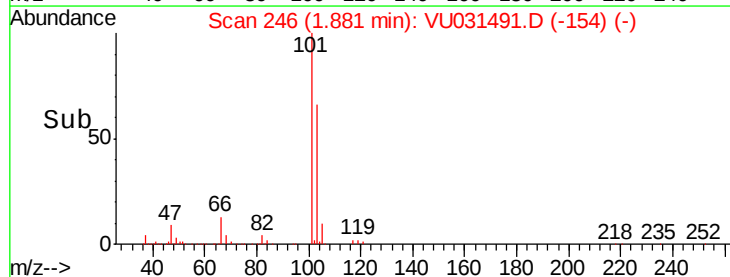
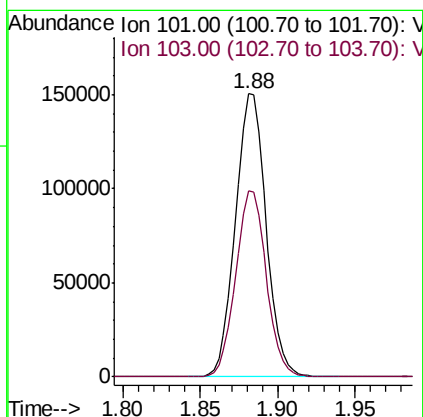
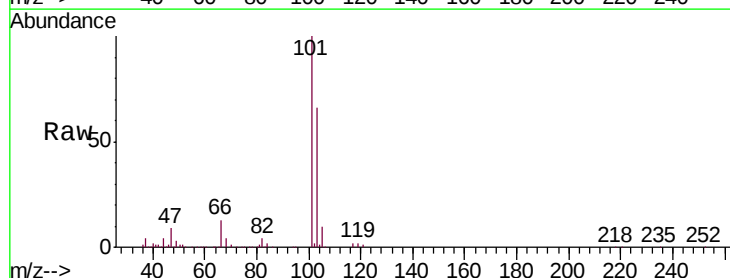
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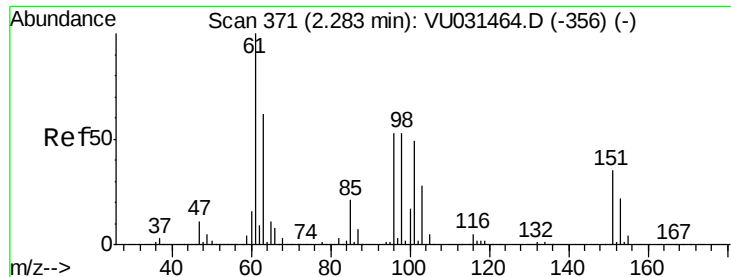
Tgt Ion: 64 Resp: 99488
Ion Ratio Lower Upper
64 100
66 30.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.783 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion: 101 Resp: 206948
Ion Ratio Lower Upper
101 100
103 65.4 52.7 79.1





#10

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

Concen: 5.502 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

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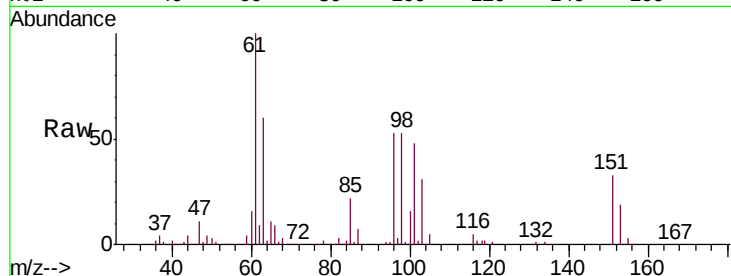
Tgt Ion: 101 Resp: 113861

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

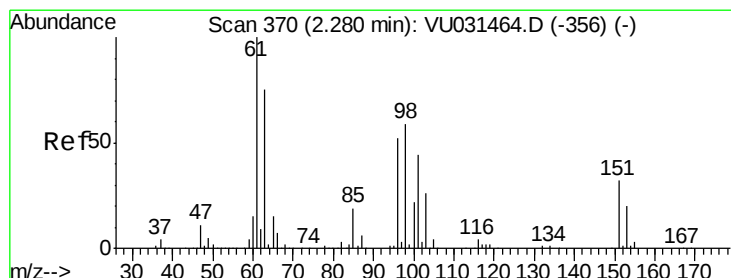
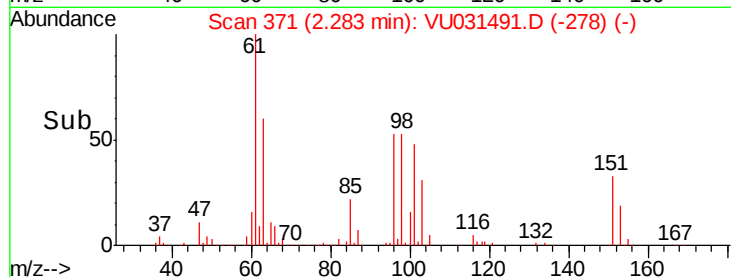
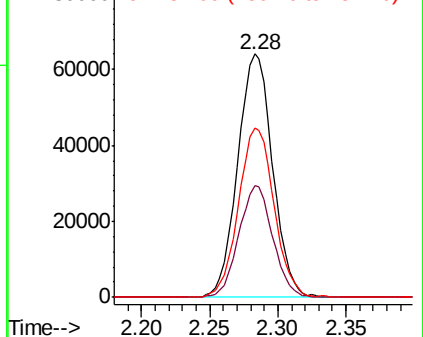
151 70.9 59.2 88.8



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: 5.426 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

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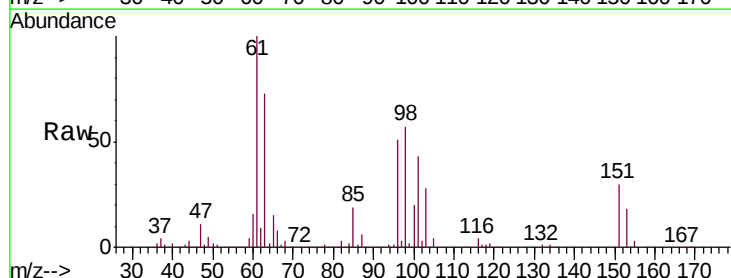
Tgt Ion: 96 Resp: 112281

Ion Ratio Lower Upper

96 100

61 194.3 131.3 243.8

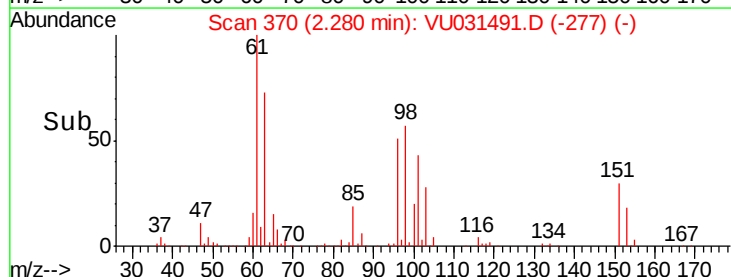
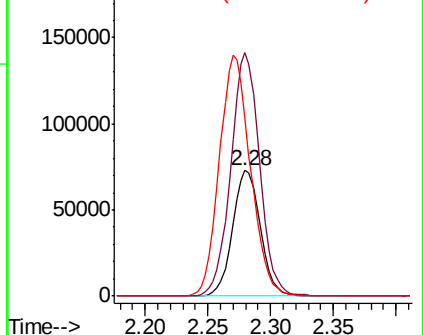
63 142.0 101.9 189.3

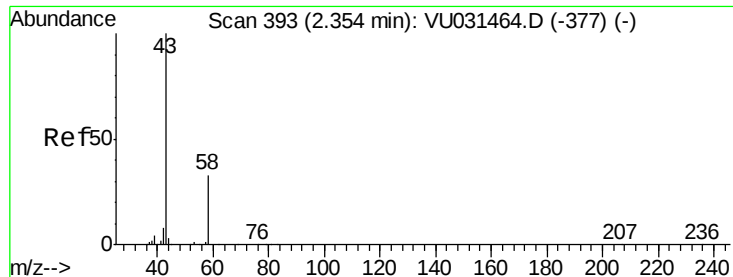


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

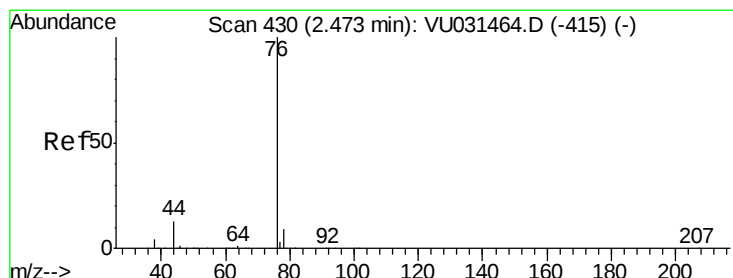
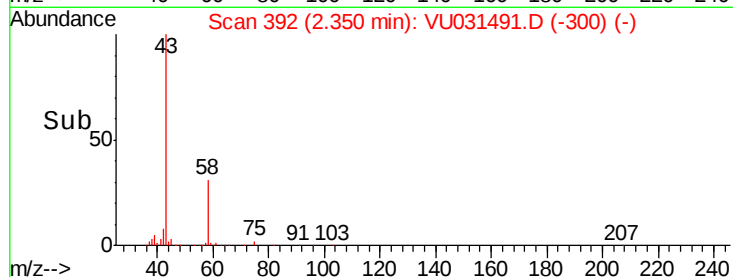
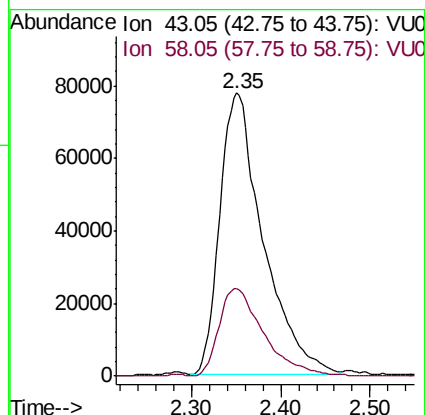
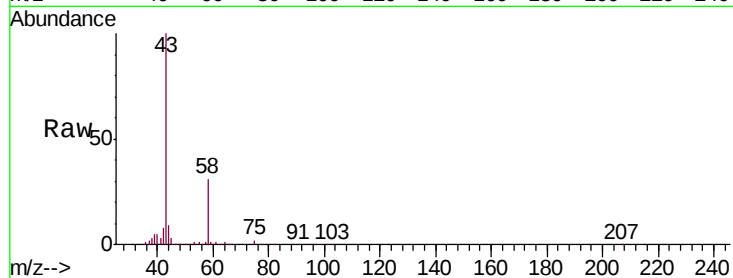




#13
Acetone
Concen: 57.442 ug/L
RT: 2.35 min Scan# 392
Delta R.T. -0.00 min
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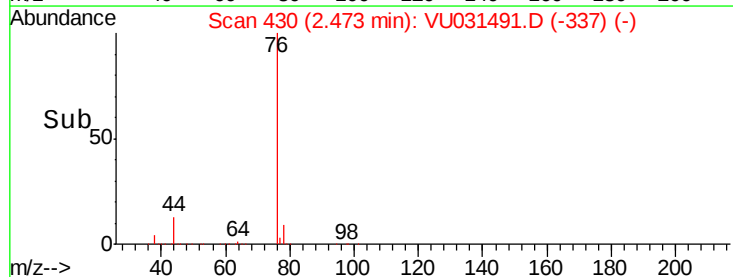
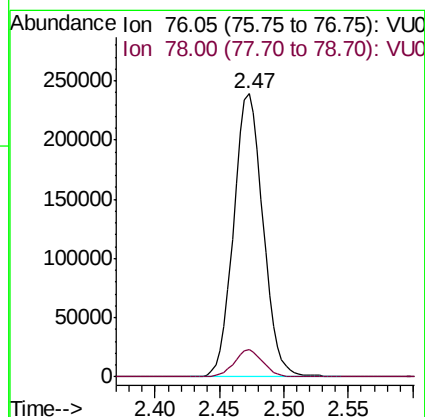
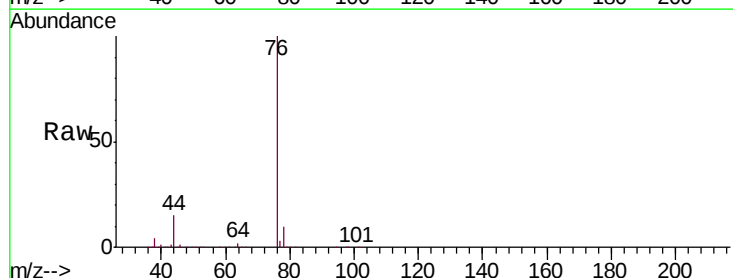
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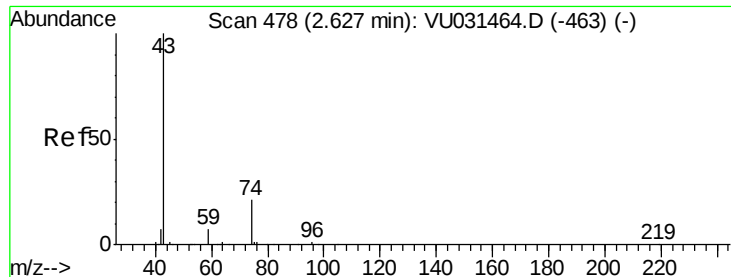
Tgt Ion: 43 Resp: 260891
Ion Ratio Lower Upper
43 100
58 32.4 0.0 62.4



#14
Carbon disulfide
Concen: 5.521 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion: 76 Resp: 379838
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

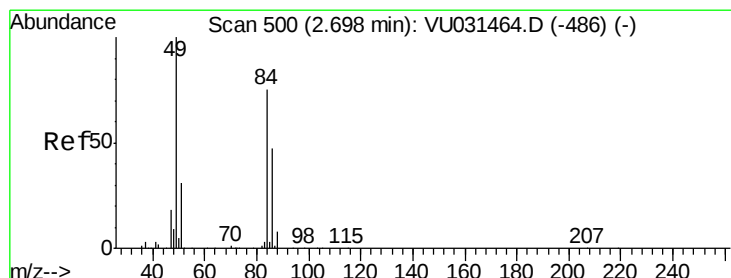
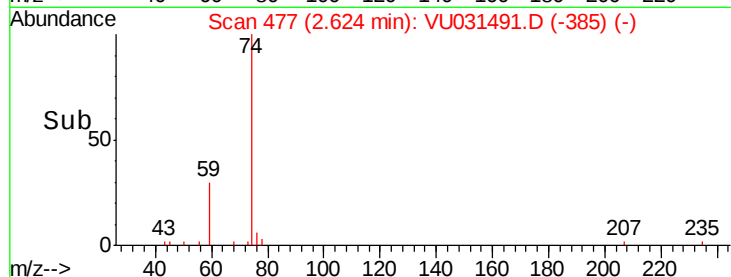
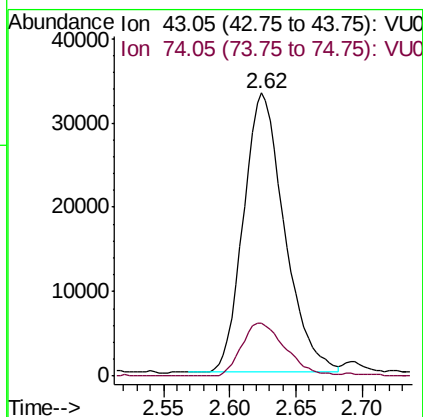
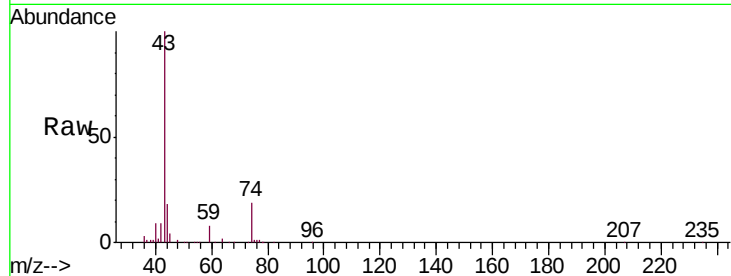




#15
Methyl Acetate
Concen: 5.680 ug/L
RT: 2.62 min Scan# 477
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

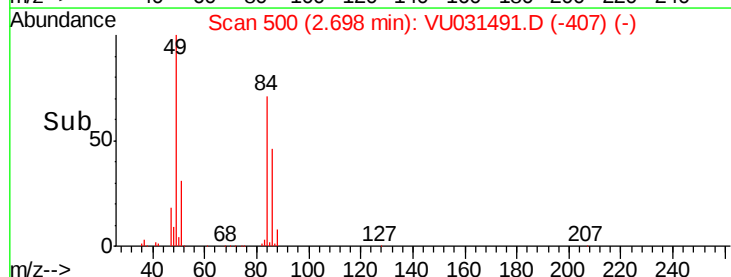
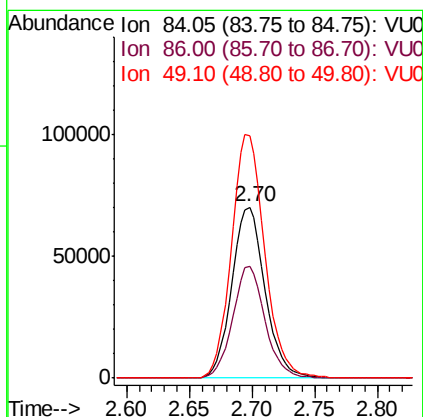
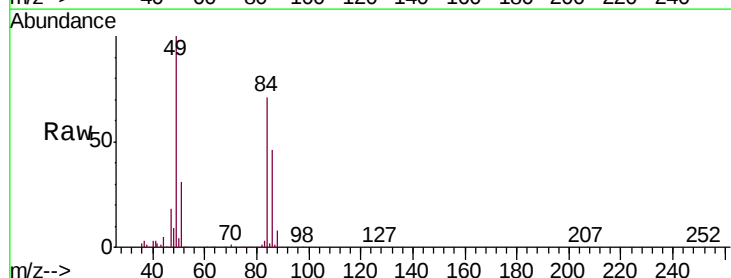
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

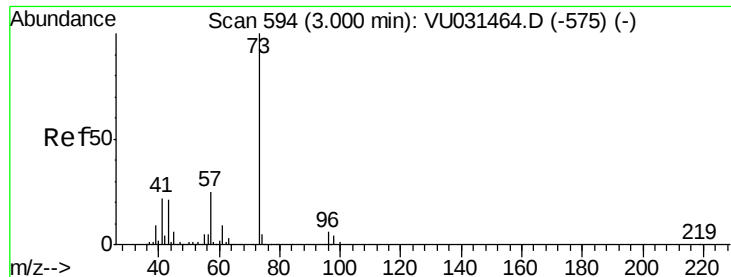
Tgt Ion: 43 Resp: 71238
Ion Ratio Lower Upper
43 100
74 20.4 17.1 25.7



#16
Methylene chloride
Concen: 5.534 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion: 84 Resp: 129509
Ion Ratio Lower Upper
84 100
86 65.4 44.9 83.5
49 141.8 92.9 172.5





#17

Methyl tert-butyl Ether

Concen: 5.487 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

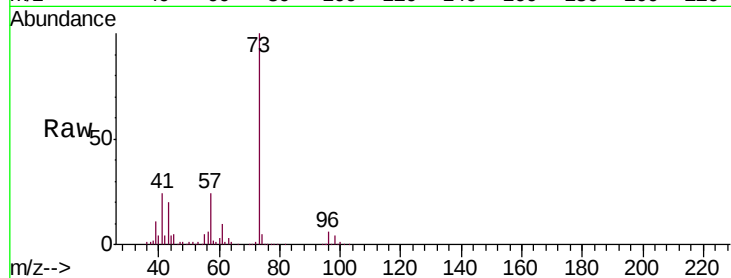
Tgt Ion: 73 Resp: 320541

Ion Ratio Lower Upper

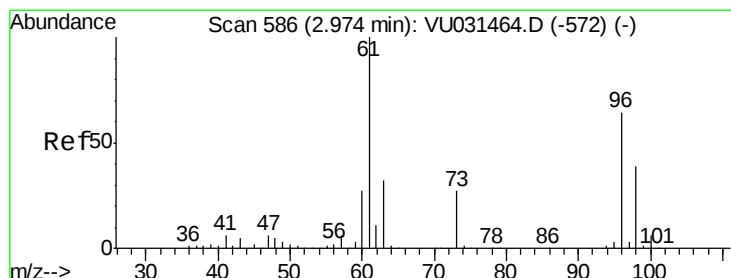
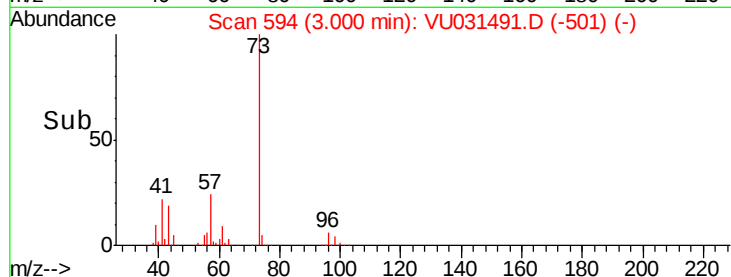
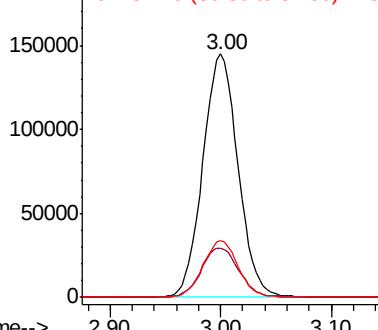
73 100

43 21.2 15.4 23.0

57 23.6 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 5.469 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

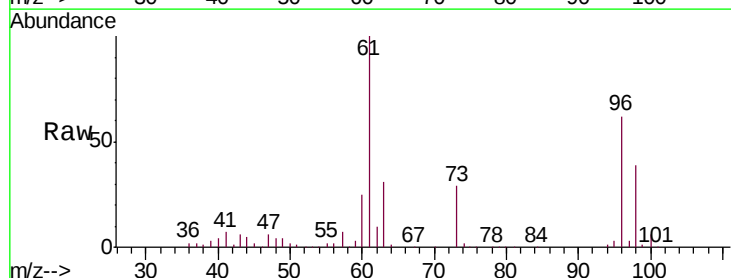
Tgt Ion: 96 Resp: 119162

Ion Ratio Lower Upper

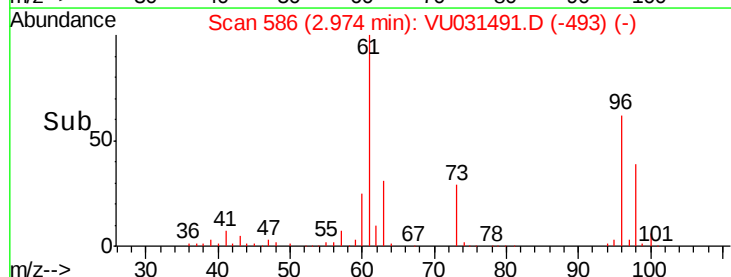
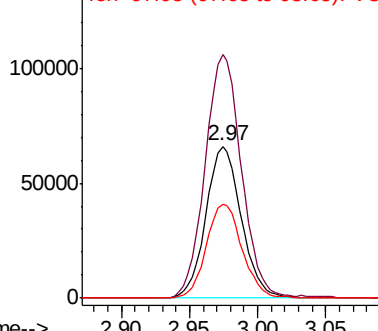
96 100

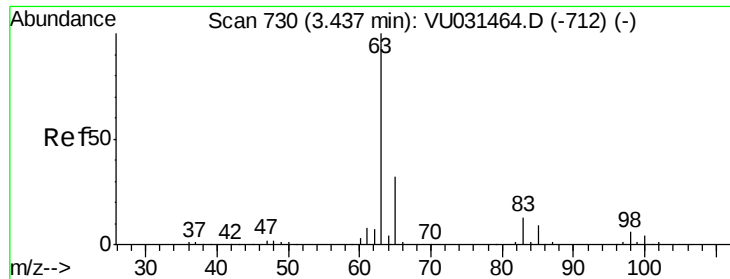
61 160.1 108.4 201.2

98 61.9 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

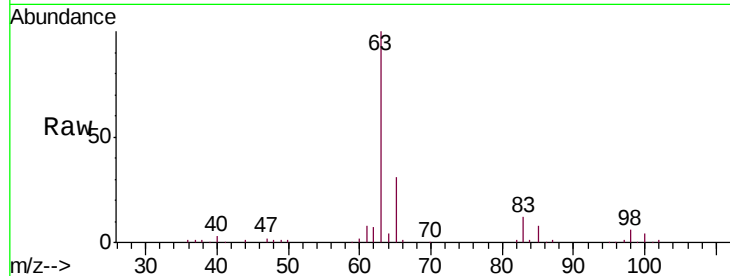




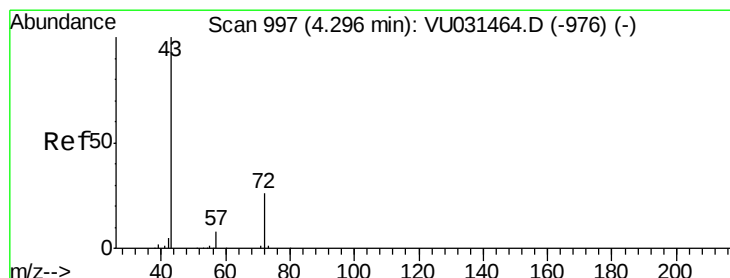
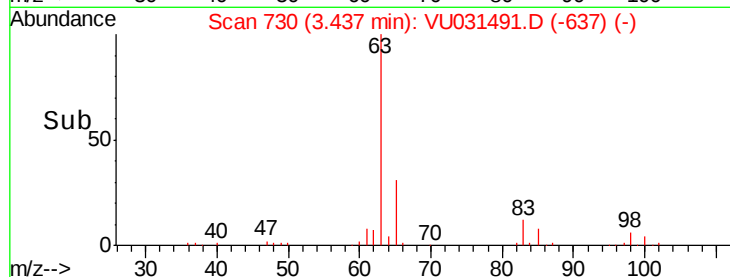
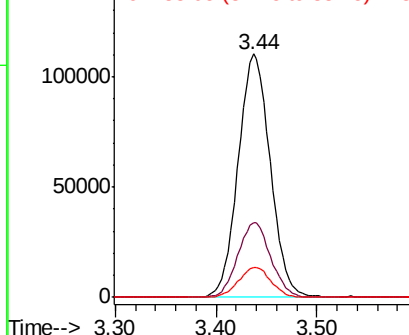
#19
 1,1-Dichloroethane
 Concen: 5.860 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 63 Resp: 242913
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.5
 83 12.4 8.5 15.9

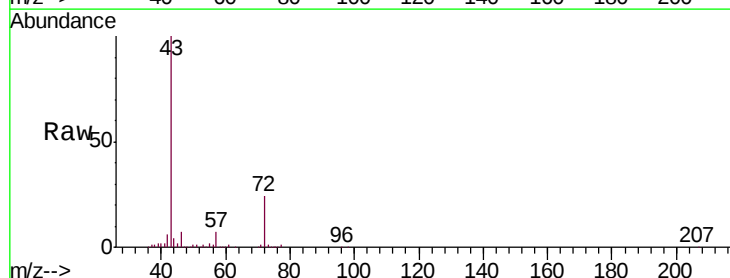


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

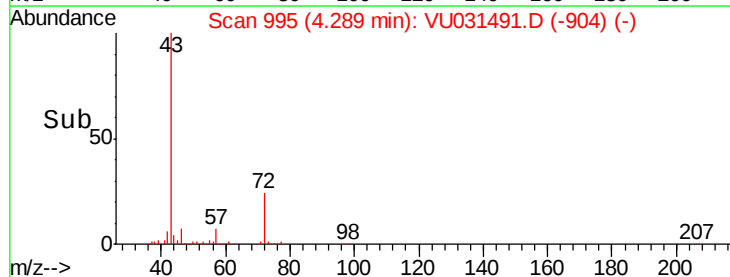
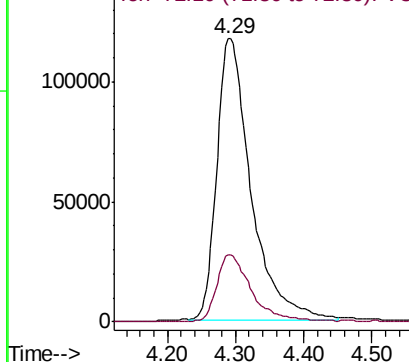


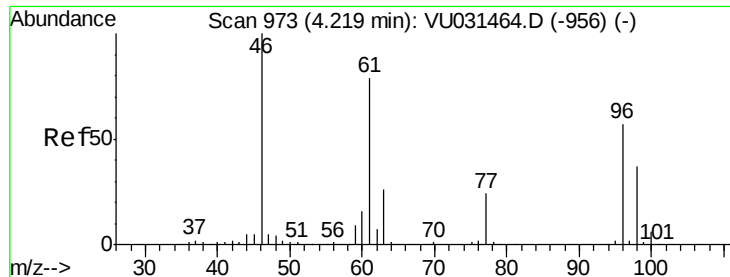
#21
 2-Butanone
 Concen: 58.810 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 43 Resp: 406121
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.7 35.0



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



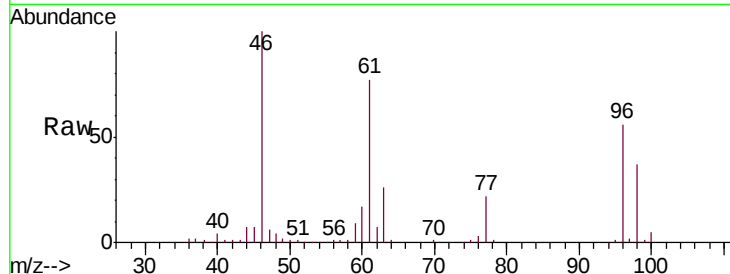


#22

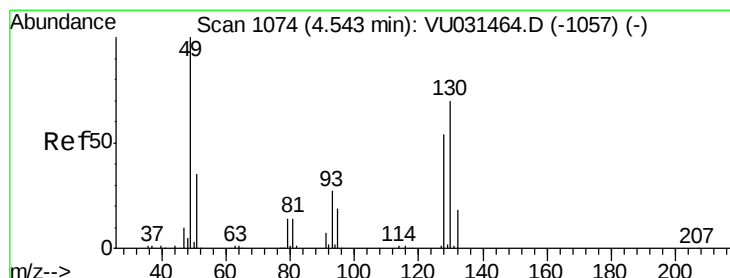
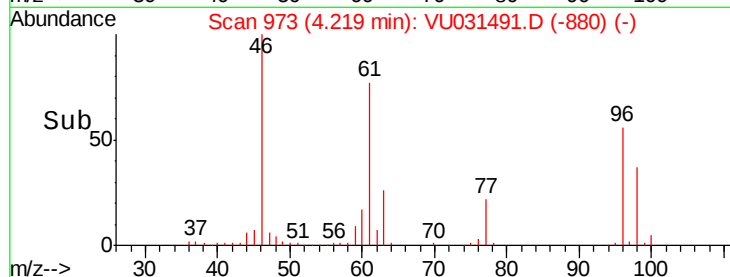
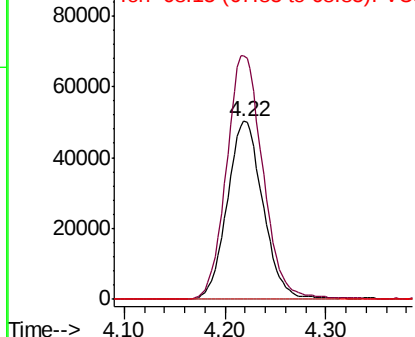
cis-1,2-Dichloroethene
Concen: 5.496 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion: 96 Resp: 123917
Ion Ratio Lower Upper
96 100
61 136.6 94.8 176.2
68 0.0 0.0 0.0



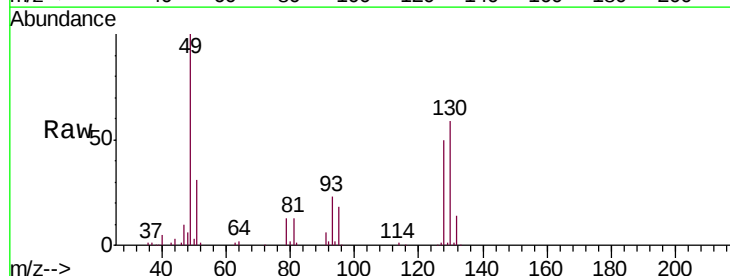
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



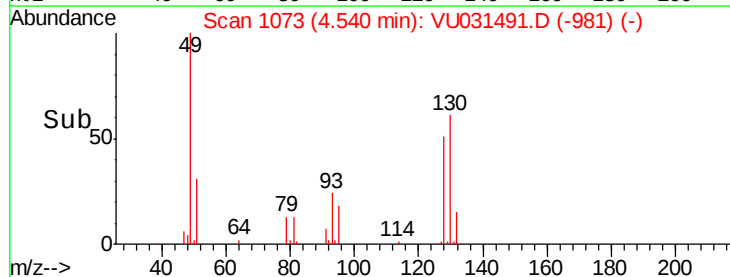
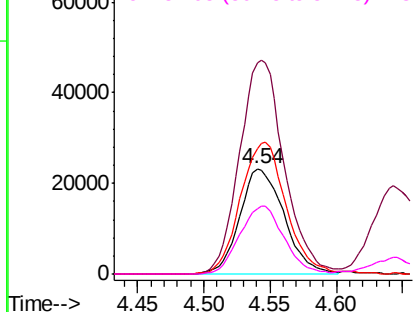
#23

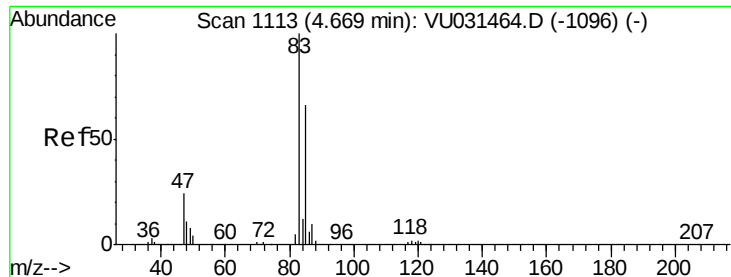
Bromochloromethane
Concen: 5.584 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion: 128 Resp: 54147
Ion Ratio Lower Upper
128 100
49 201.0 128.9 239.3
130 119.1 91.2 169.4
51 62.4 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 5.974 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

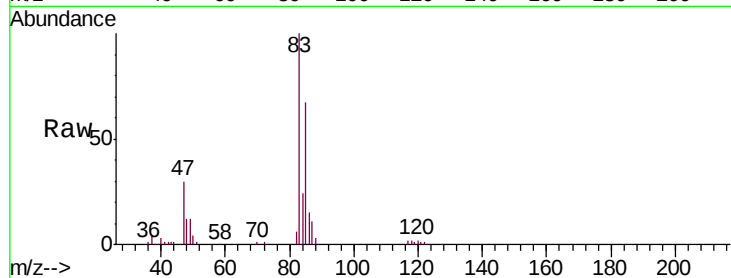
VSTD00520

Tgt Ion: 83 Resp: 229721

Ion Ratio Lower Upper

83 100

85 66.8 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU031464.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU031464.D (-1096) (-)

4.67

100000

80000

60000

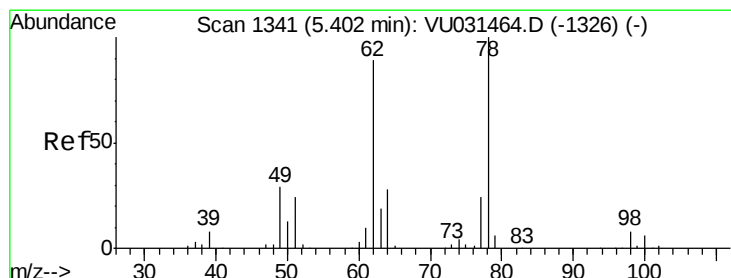
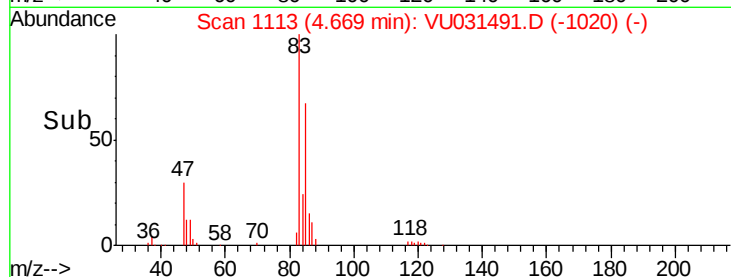
40000

20000

0

4.60 4.70 4.80

Time-->



#27

1,2-Dichloroethane

Concen: 5.944 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU031491.D

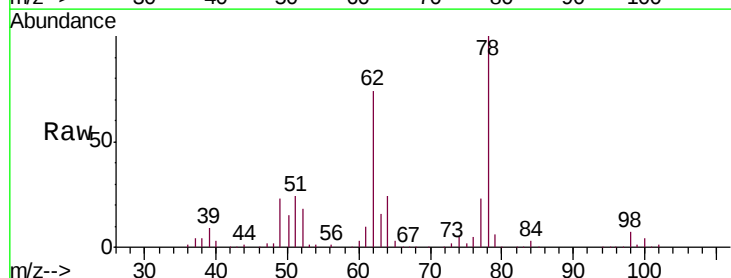
Acq: 24 Apr 2019 23:35

Tgt Ion: 62 Resp: 150207

Ion Ratio Lower Upper

62 100

98 9.4 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU031464.D (-1326) (-)

Ion 98.05 (97.75 to 98.75): VU031464.D (-1326) (-)

5.40

80000

60000

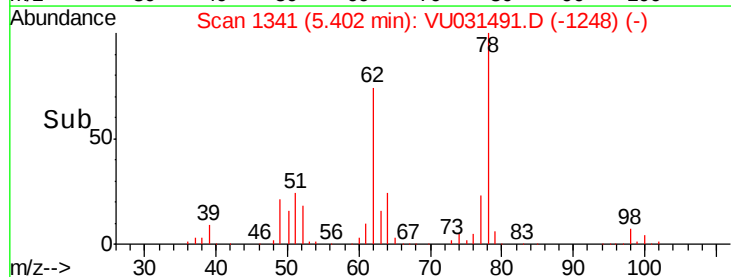
40000

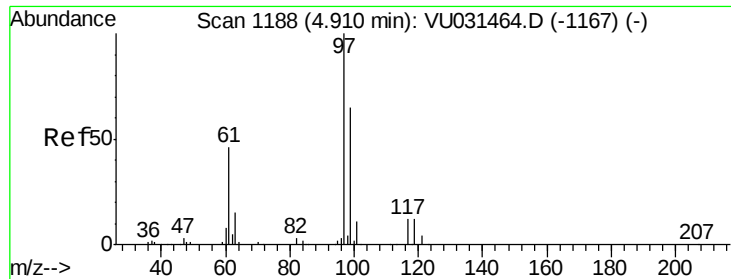
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->

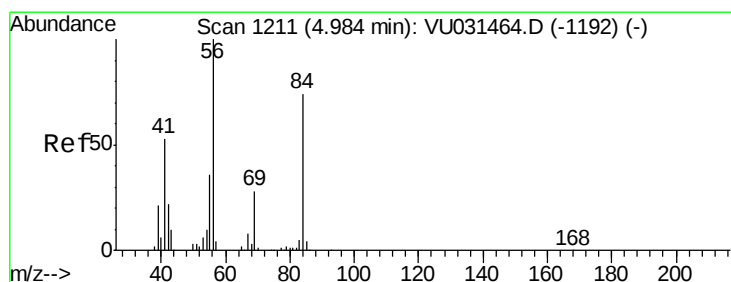
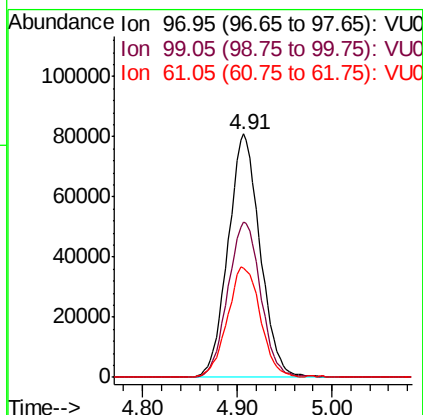
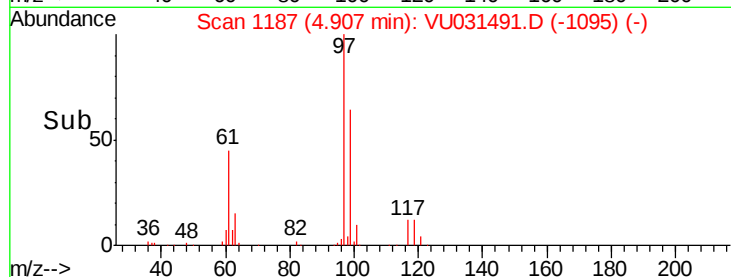
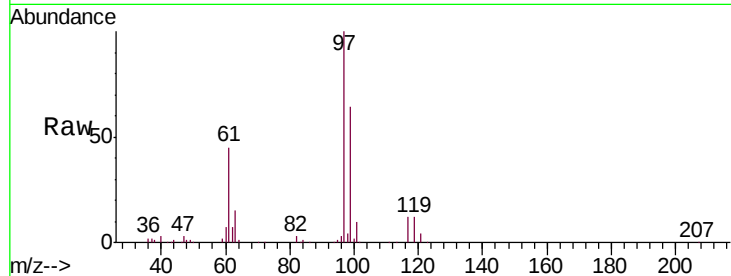




#29
 1,1,1-Trichloroethane
 Concen: 5.736 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

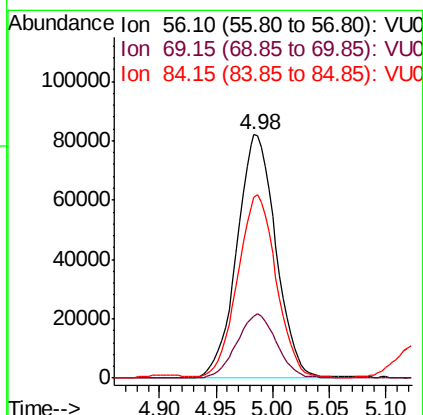
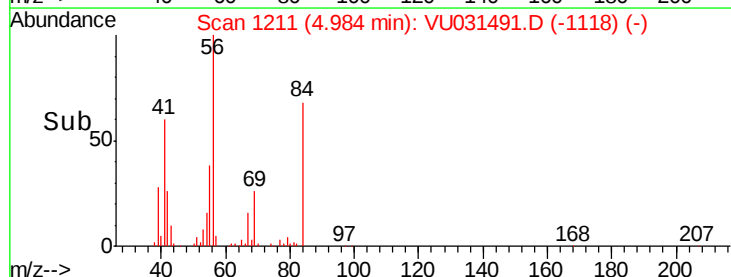
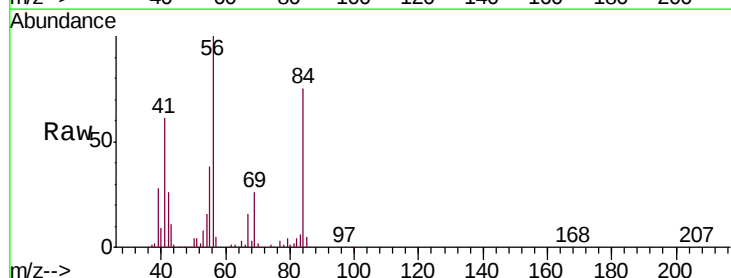
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00520

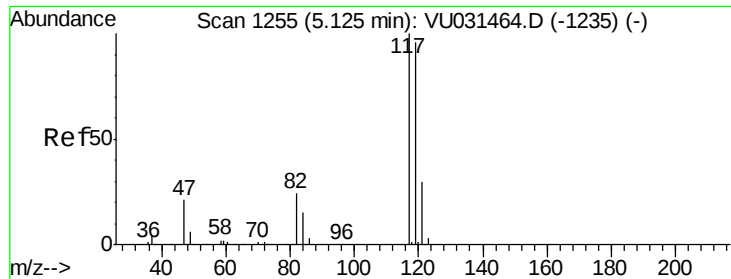
Tgt Ion: 97 Resp: 190296
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.2 75.2
 61 46.7 37.0 55.4



#30
 Cyclohexane
 Concen: 4.922 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 56 Resp: 196592
 Ion Ratio Lower Upper
 56 100
 69 27.0 23.3 34.9
 84 74.0 61.0 91.6





#31

Carbon tetrachloride

Concen: 5.670 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

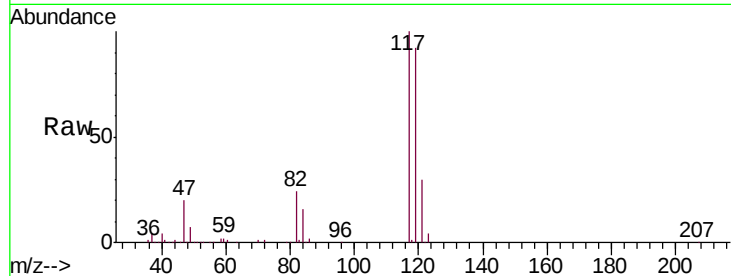
VSTD00520

Tgt Ion:117 Resp: 161834

Ion Ratio Lower Upper

117 100

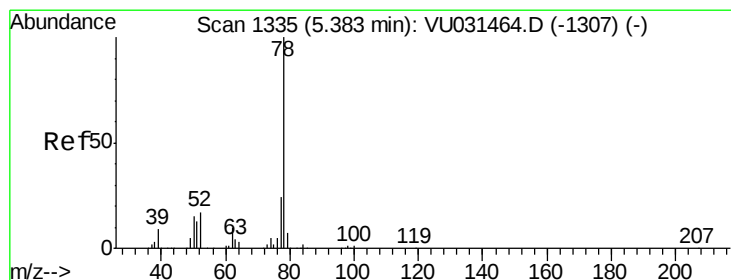
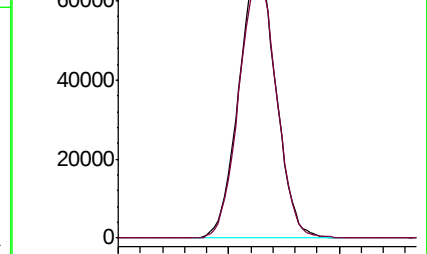
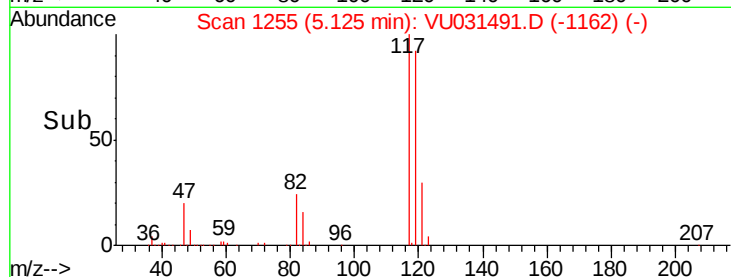
119 96.1 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13



#33

Benzene

Concen: 5.581 ug/L

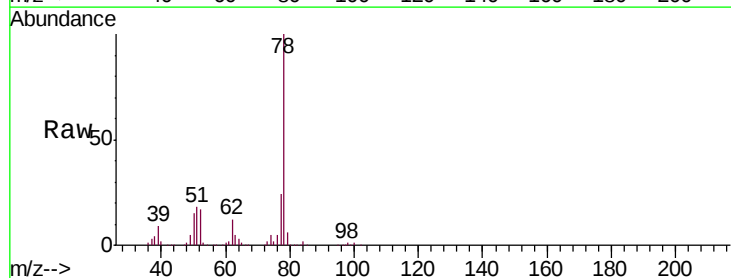
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031491.D

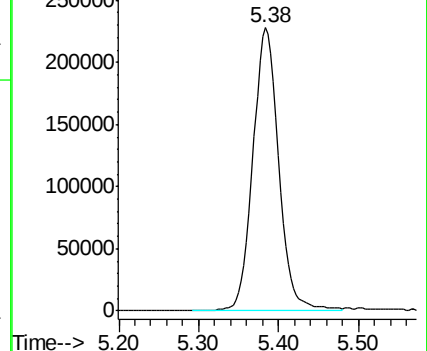
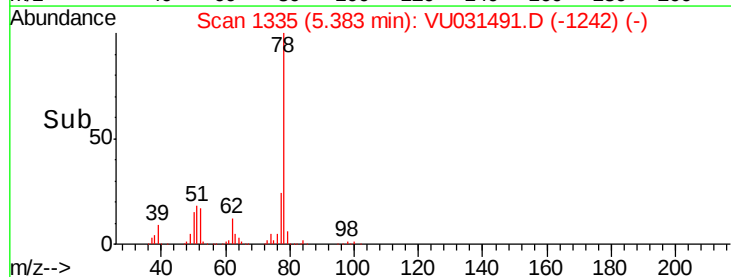
Acq: 24 Apr 2019 23:35

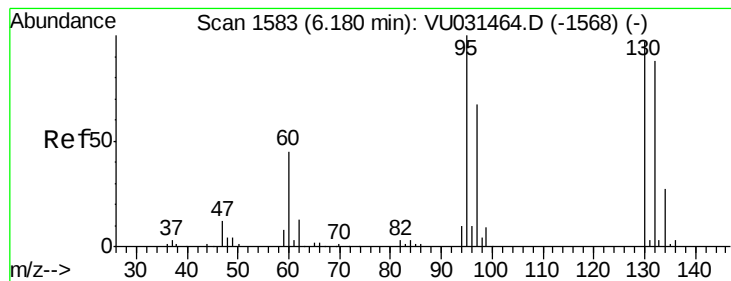
Tgt Ion: 78 Resp: 500133



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38





#34

Trichloroethene

Concen: 6.407 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 95 Resp: 151333

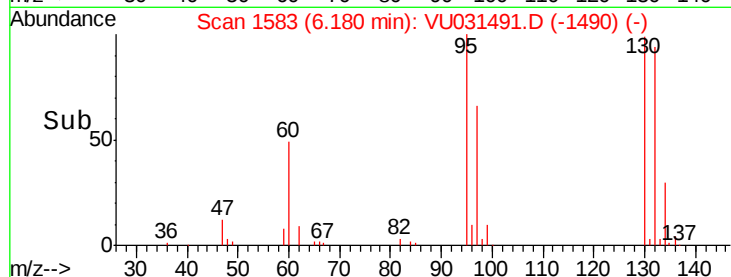
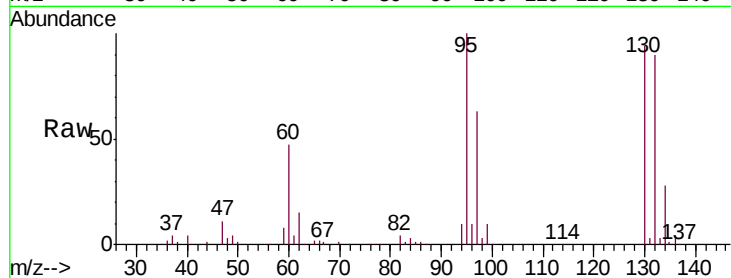
Ion Ratio Lower Upper

95 100

97 62.7 44.3 82.3

132 89.7 59.9 111.3

130 93.6 67.1 124.5

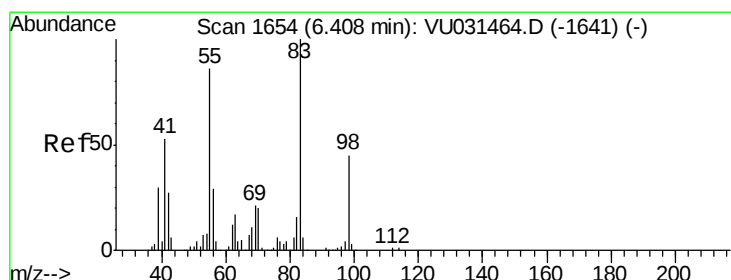
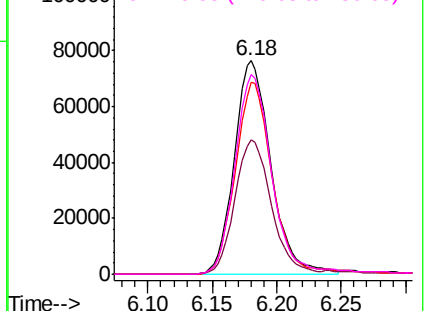


Abundance Ion 95.00 (94.70 to 95.70): VU031491.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU031491.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU031491.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU031491.D (-1490) (-)



#35

Methylcyclohexane

Concen: 4.698 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

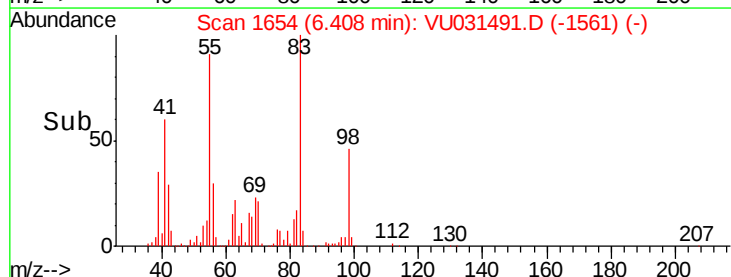
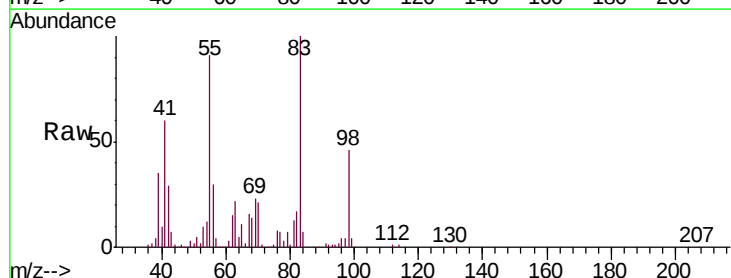
Tgt Ion: 83 Resp: 164174

Ion Ratio Lower Upper

83 100

55 93.4 71.1 106.7

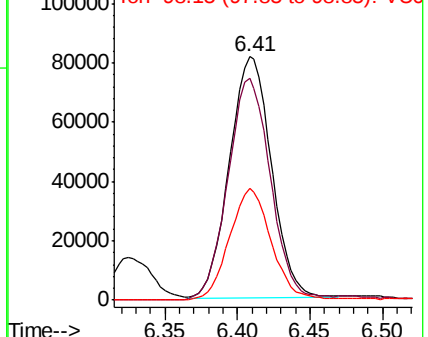
98 46.1 36.6 54.8

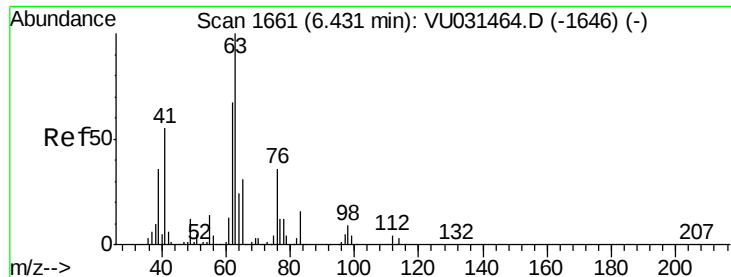


Abundance Ion 83.15 (82.85 to 83.85): VU031491.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU031491.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU031491.D (-1561) (-)

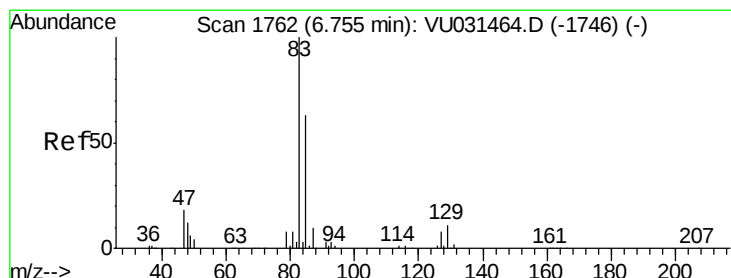
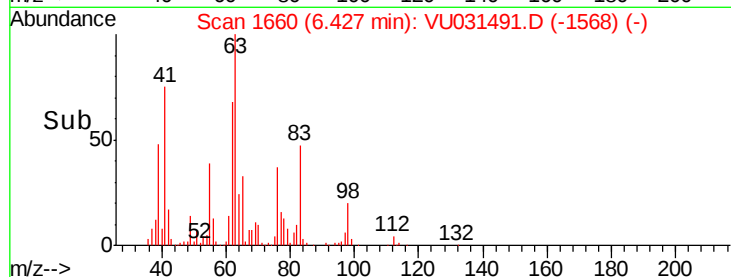
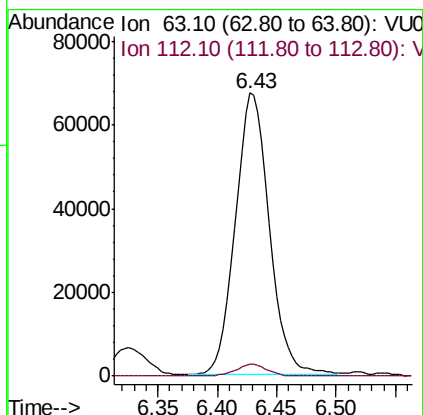
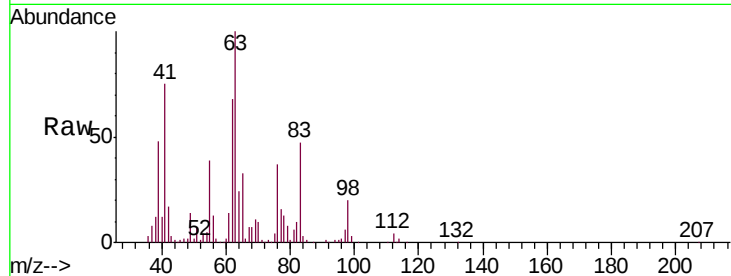




#37
 1,2-Dichloropropane
 Concen: 5.574 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

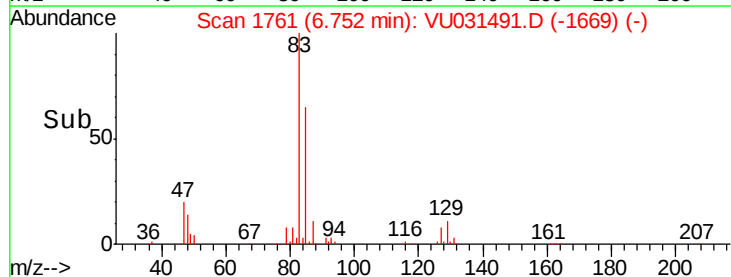
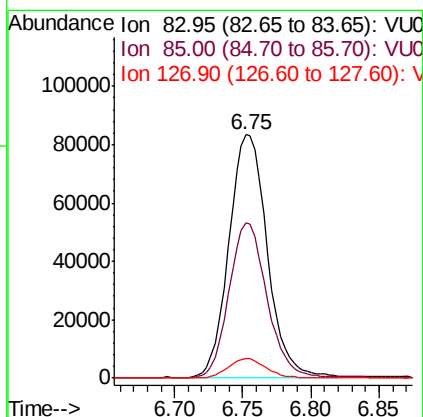
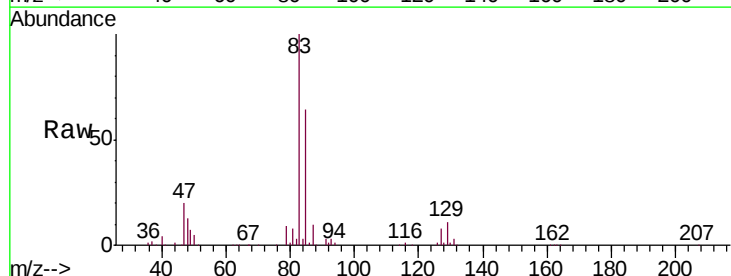
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

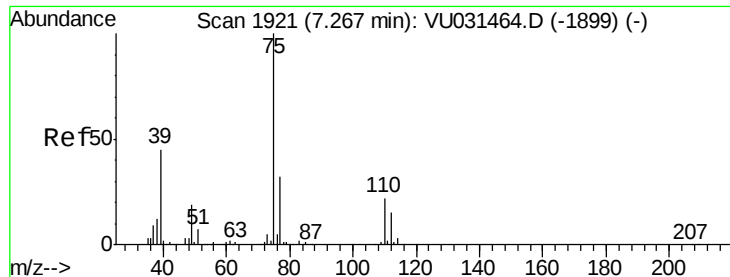
Tgt Ion: 63 Resp: 133881
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.751 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 83 Resp: 161611
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.8 83.2
 127 8.1 6.5 9.7

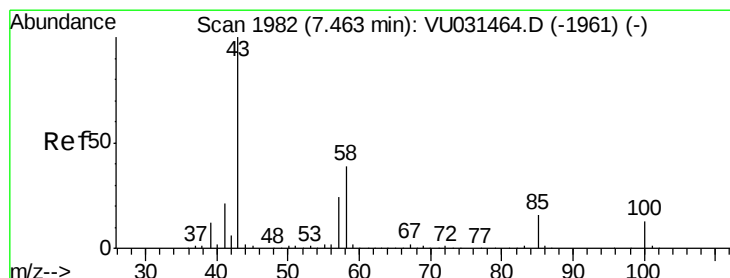
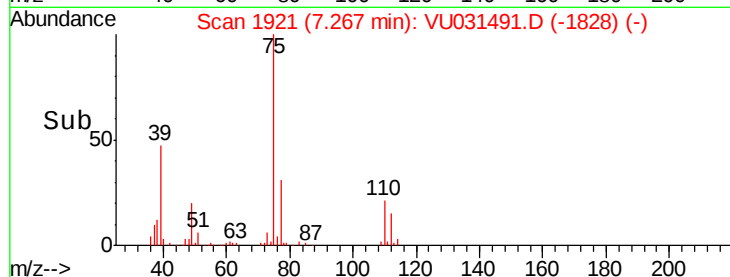
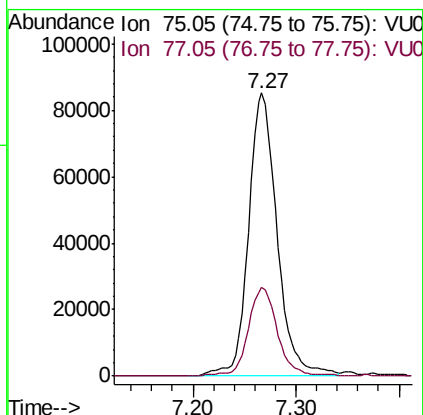
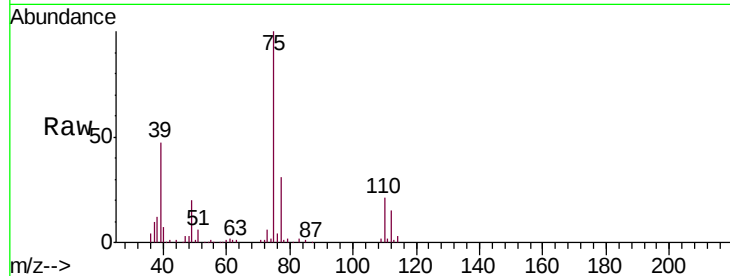




#39
 cis-1,3-Dichloropropene
 Concen: 4.909 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

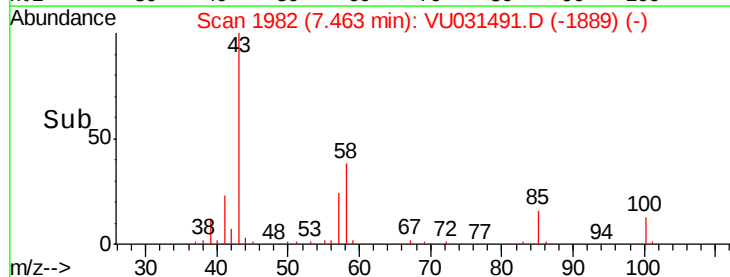
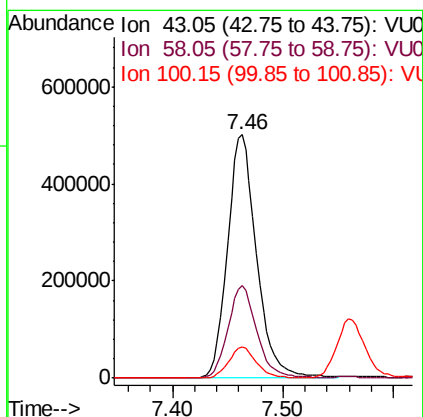
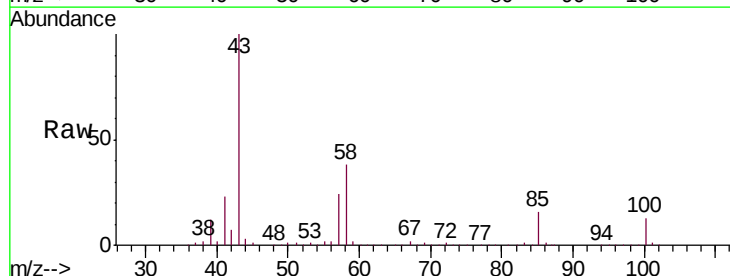
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

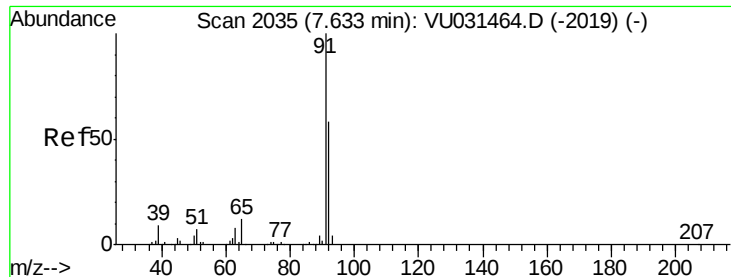
Tgt Ion: 75 Resp: 163865
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 55.877 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 43 Resp: 918276
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.6 47.4
 100 12.4 10.6 15.8





#42

Toluene

Concen: 5.655 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

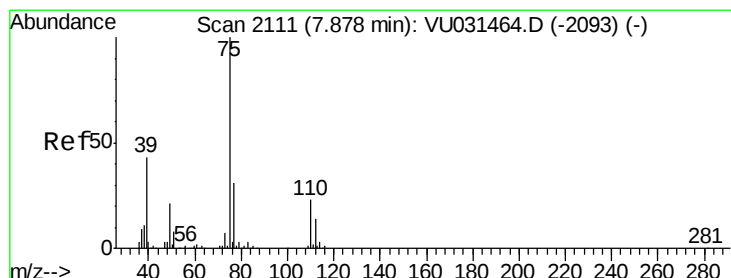
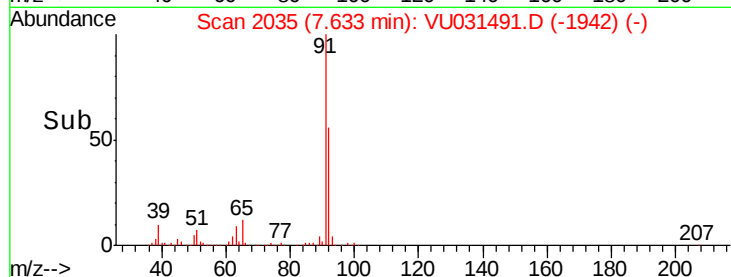
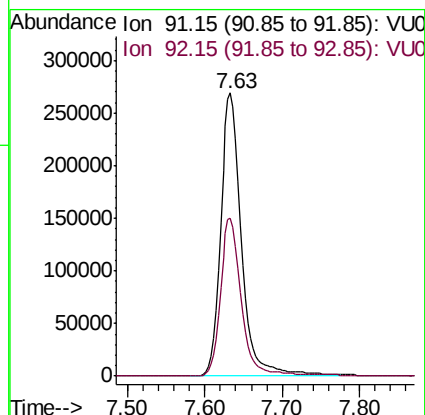
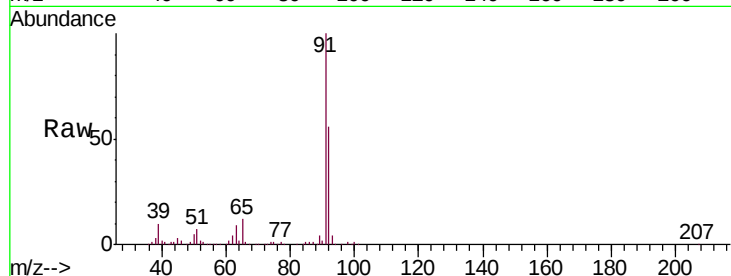
VSTD00520

Tgt Ion: 91 Resp: 508731

Ion Ratio Lower Upper

91 100

92 56.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.363 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031491.D

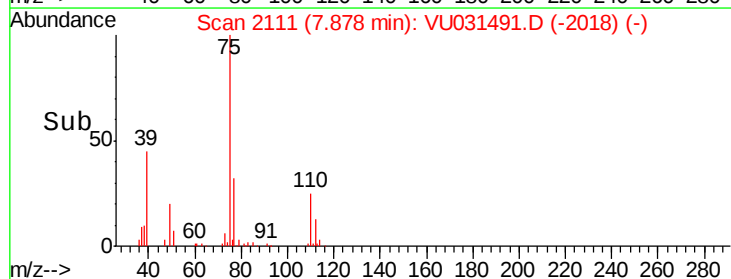
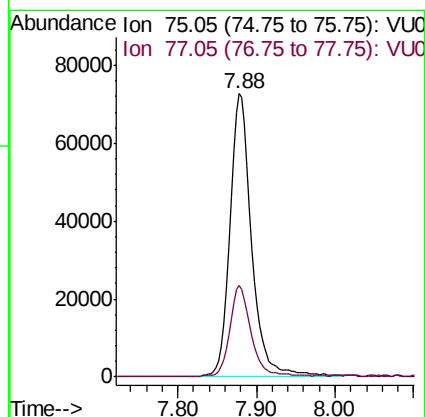
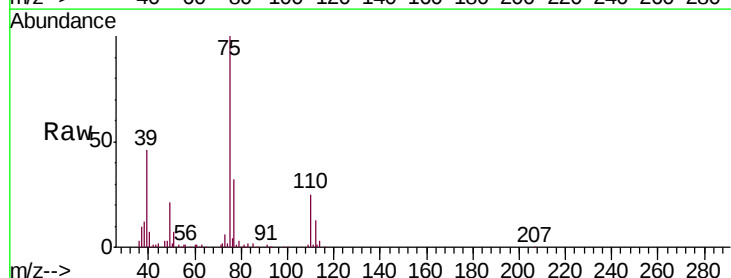
Acq: 24 Apr 2019 23:35

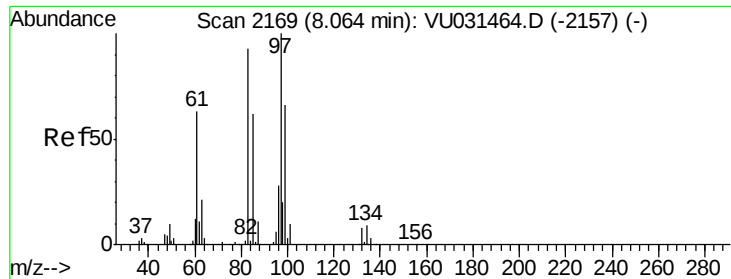
Tgt Ion: 75 Resp: 138513

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.7

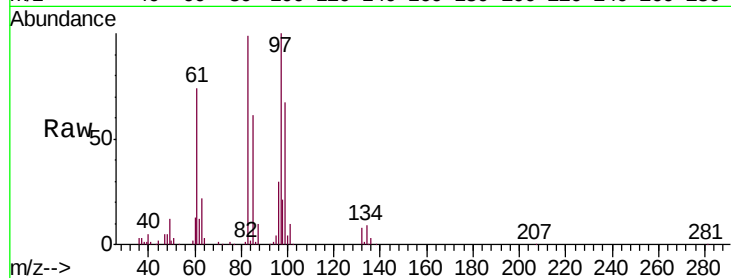




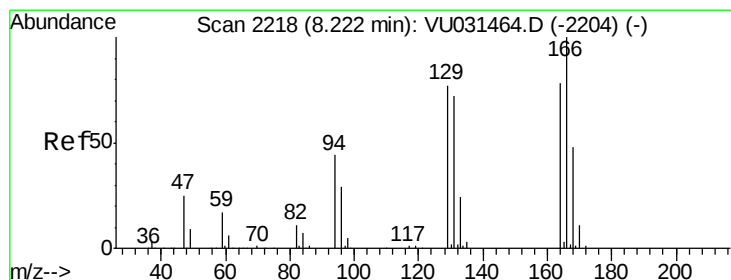
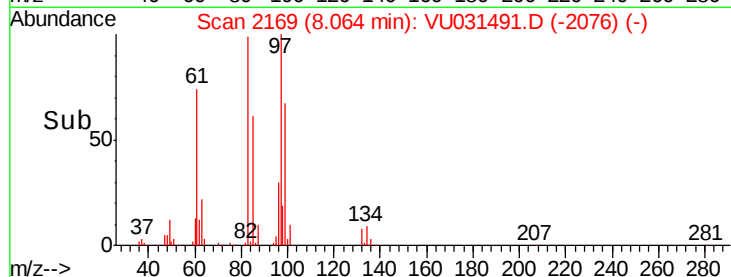
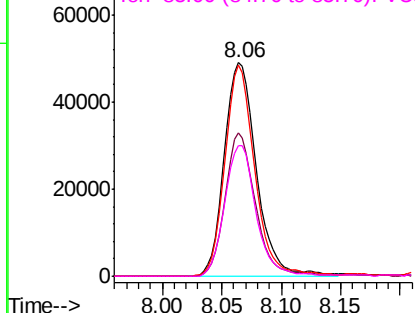
#45
 1,1,2-Trichloroethane
 Concen: 5.624 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	97	Resp:	92040
Ion	Ratio	Lower	Upper
97	100		
99	67.4	41.2	76.6
83	98.7	62.2	115.4
85	61.1	39.2	72.8

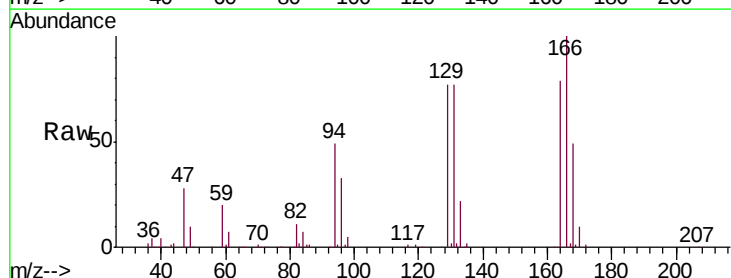


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

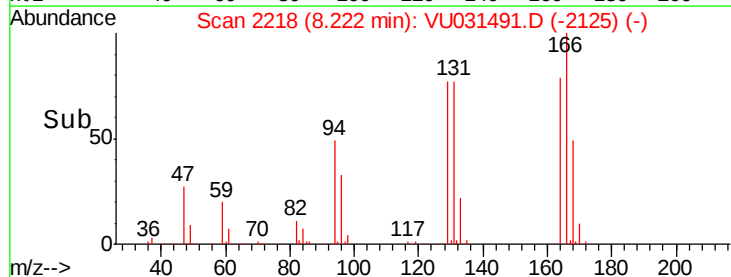
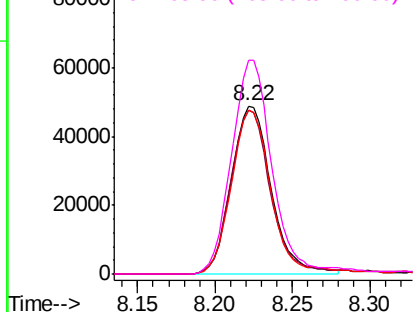


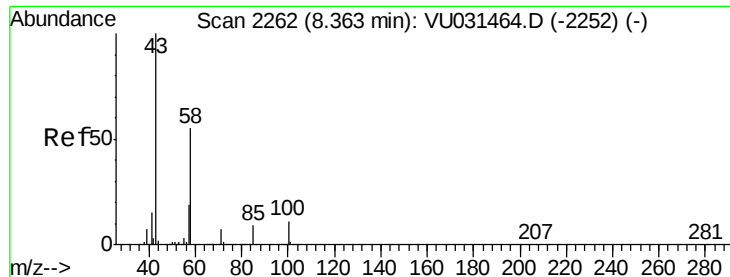
#47
 Tetrachloroethene
 Concen: 5.293 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion:	164	Resp:	87357
Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.5	125.3
131	97.7	64.0	119.0
166	127.2	88.5	164.4



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

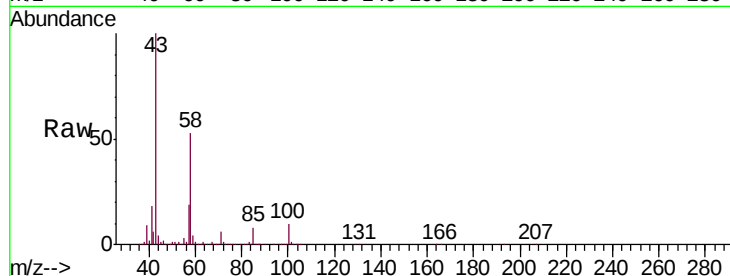




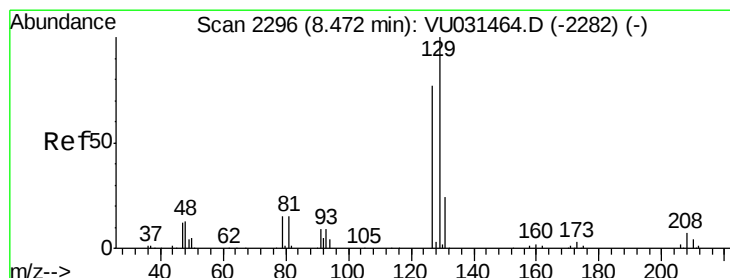
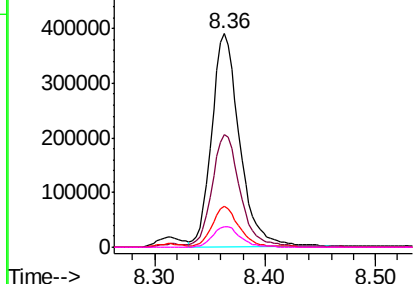
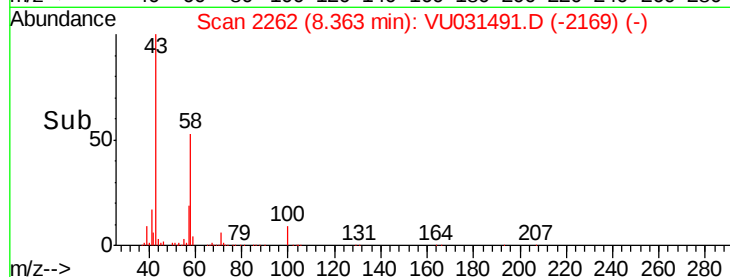
#48
2-Hexanone
Concen: 59.110 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:	43	Resp:	681390
Ion	Ratio	Lower	Upper
43	100		
58	53.4	44.6	67.0
57	18.5	15.3	22.9
100	9.6	8.3	12.5

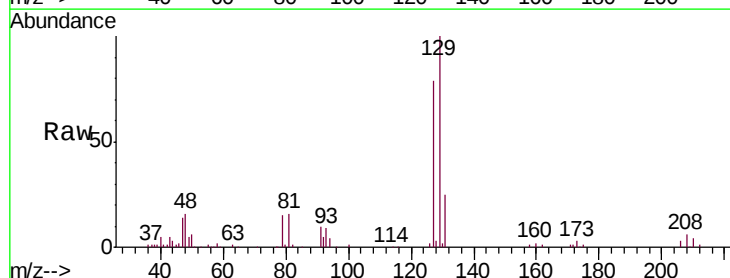


Abundance Ion 43.05 (42.75 to 43.75): VU031491.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU031491.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU031491.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU031491.D (-2169) (-)

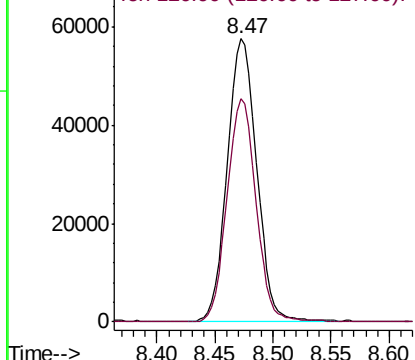
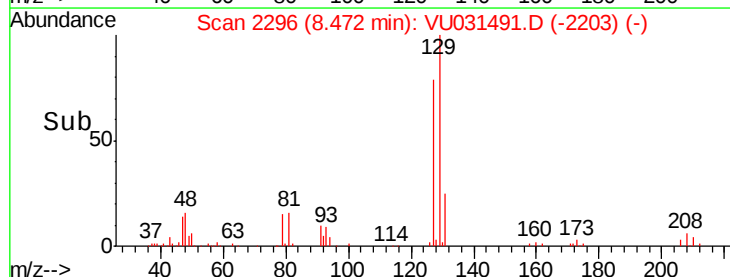


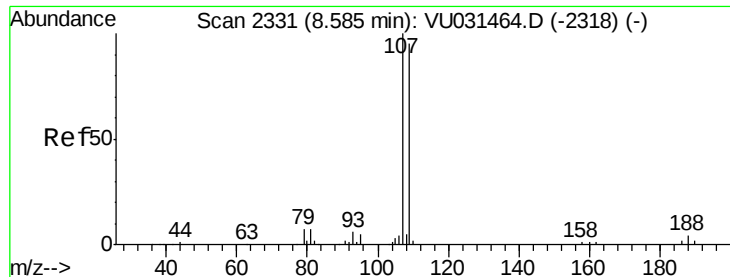
#49
Dibromochloromethane
Concen: 5.539 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion:	129	Resp:	101584
Ion	Ratio	Lower	Upper
129	100		
127	78.9	56.6	105.0



Abundance Ion 128.95 (128.65 to 129.65): VU031491.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU031491.D (-2203) (-)

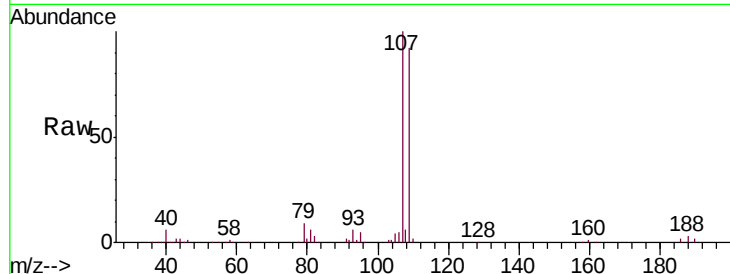




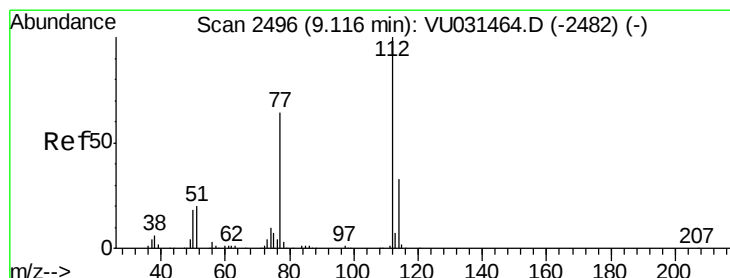
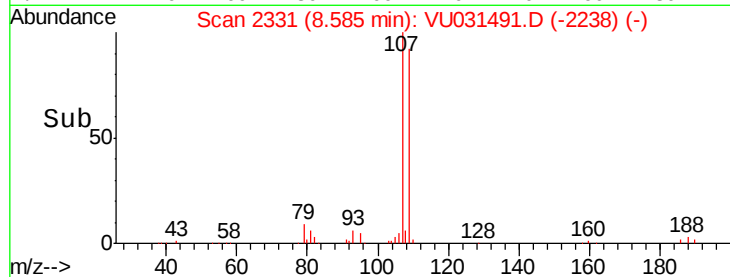
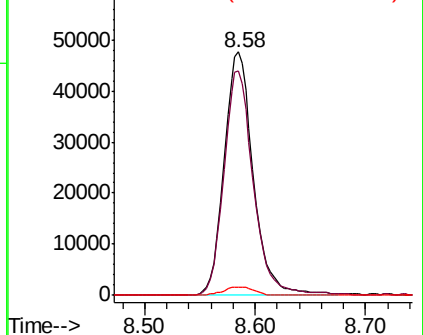
#50
1,2-Dibromoethane
Concen: 5.559 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 87342
Ion Ratio Lower Upper
107 100
109 92.0 63.1 117.3
188 3.2 2.2 3.4

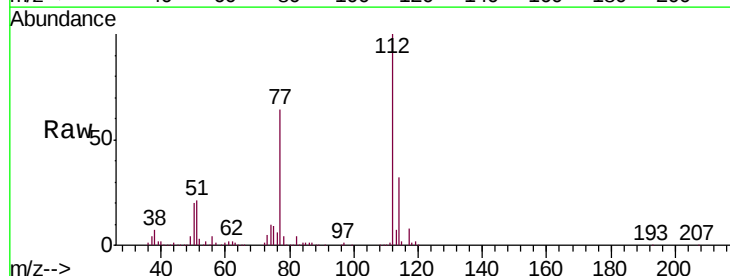


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

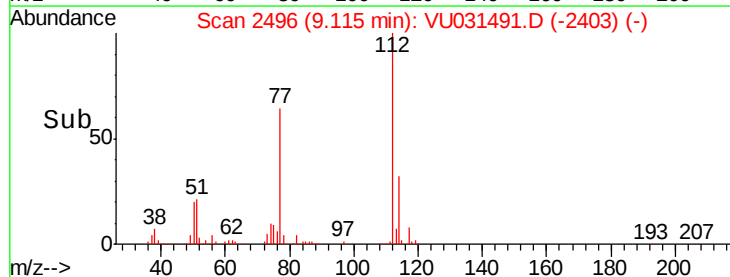
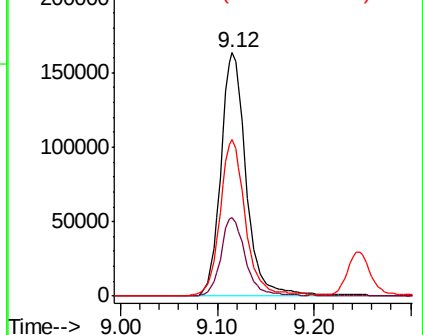


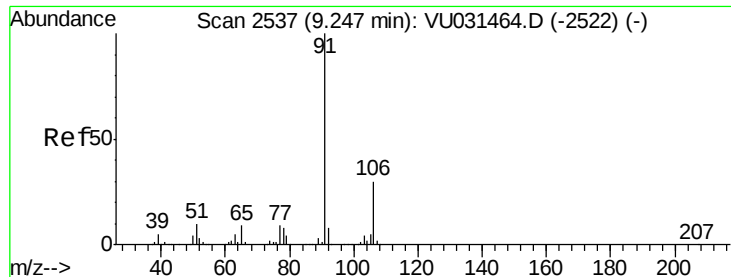
#51
Chlorobenzene
Concen: 5.432 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion:112 Resp: 296421
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 64.2 48.9 73.3



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: 5.106 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

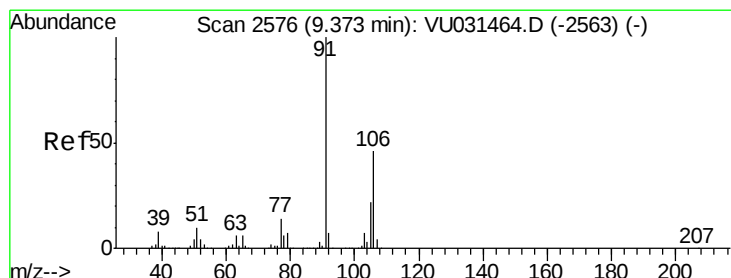
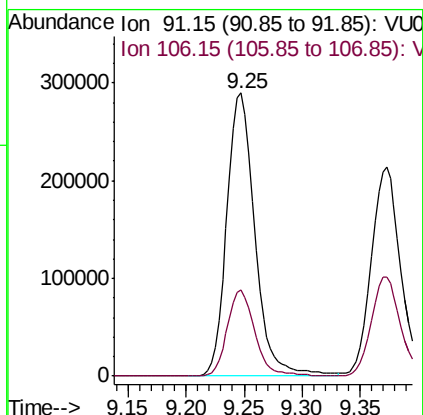
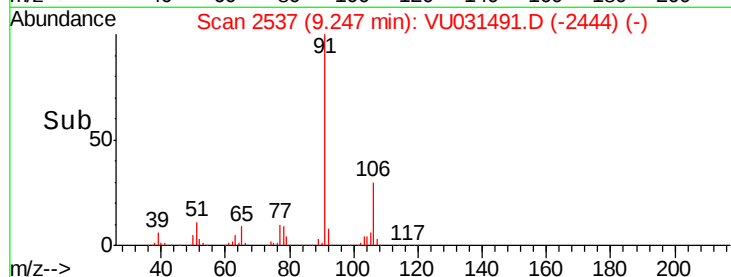
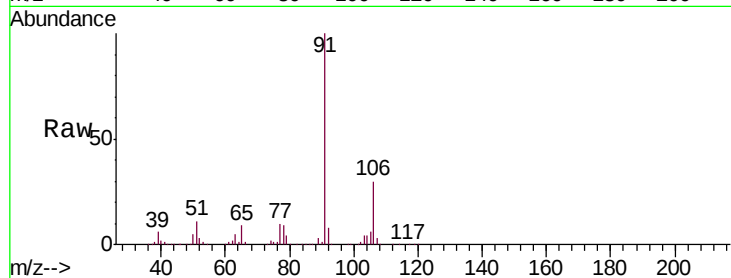
VSTD00520

Tgt Ion: 91 Resp: 489039

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#53

m,p-Xylene

Concen: 5.305 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031491.D

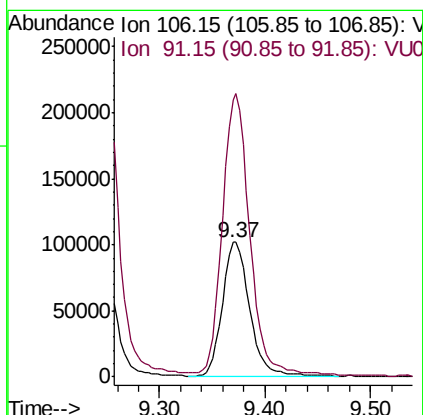
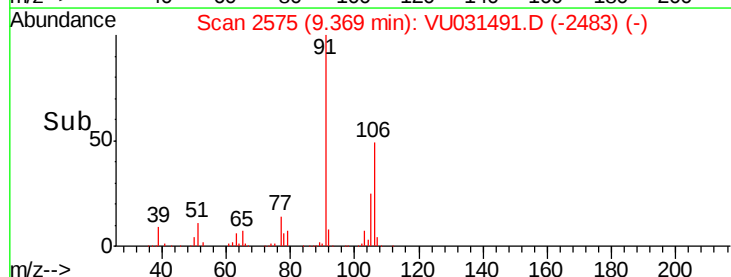
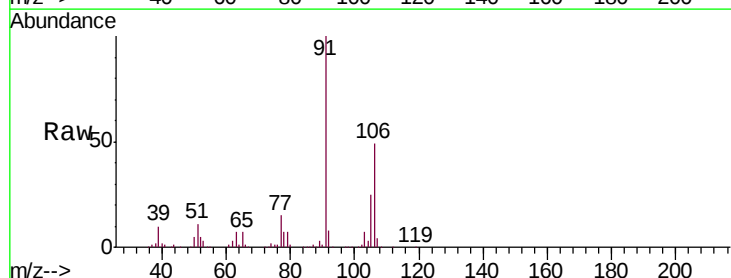
Acq: 24 Apr 2019 23:35

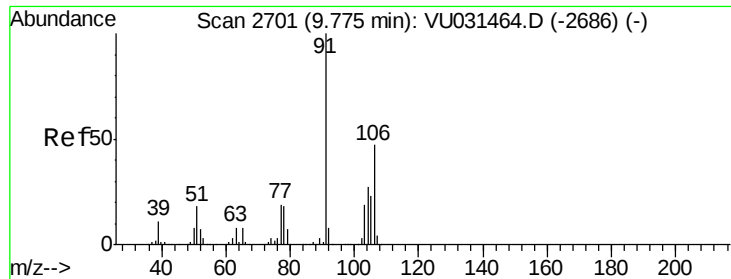
Tgt Ion: 106 Resp: 180921

Ion Ratio Lower Upper

106 100

91 205.7 147.8 274.4

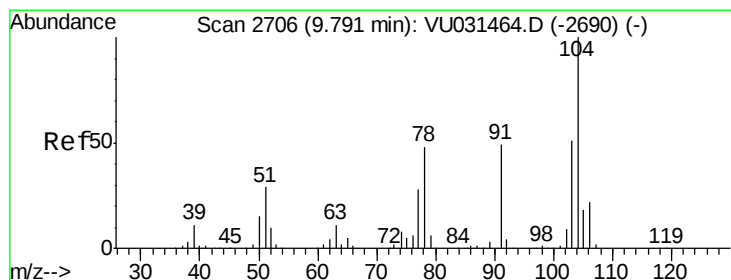
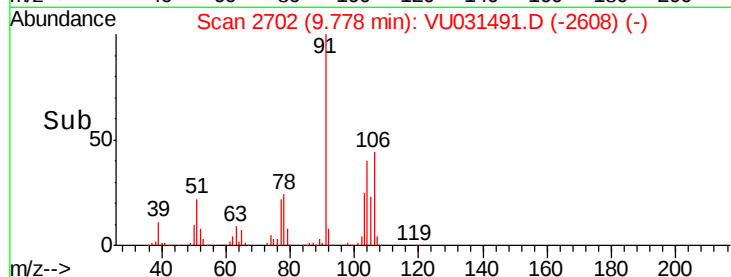
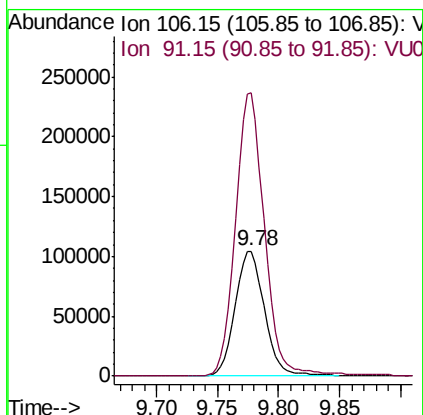
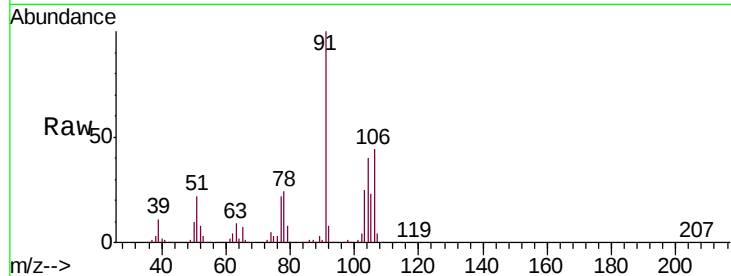




#54
o-Xylene
Concen: 5.195 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

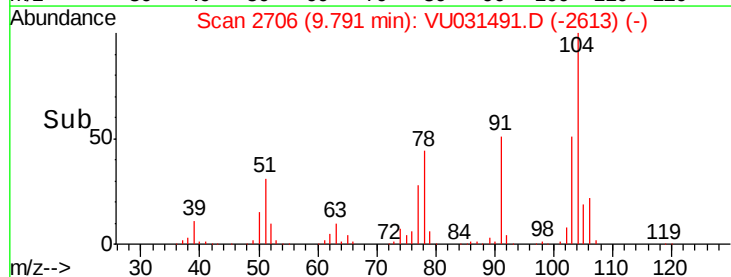
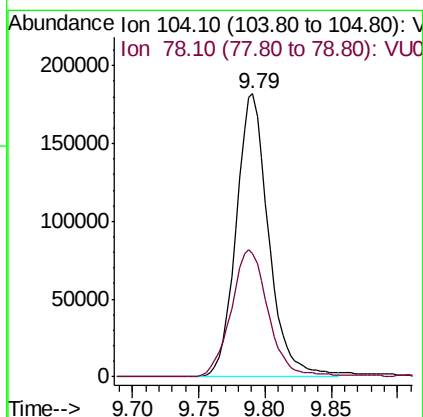
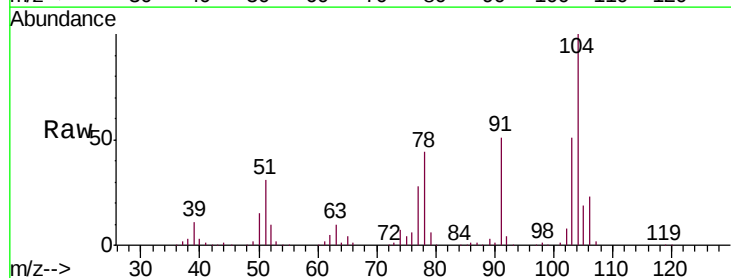
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

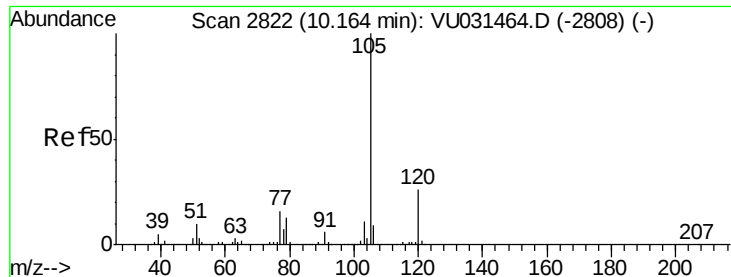
Tgt Ion:106 Resp: 174910
Ion Ratio Lower Upper
106 100
91 226.6 152.7 283.7



#55
Styrene
Concen: 5.572 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion:104 Resp: 310302
Ion Ratio Lower Upper
104 100
78 43.6 32.1 59.5

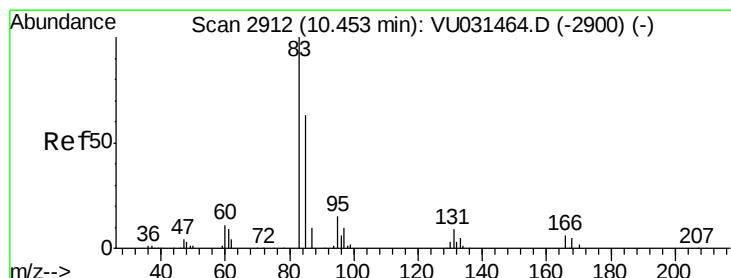
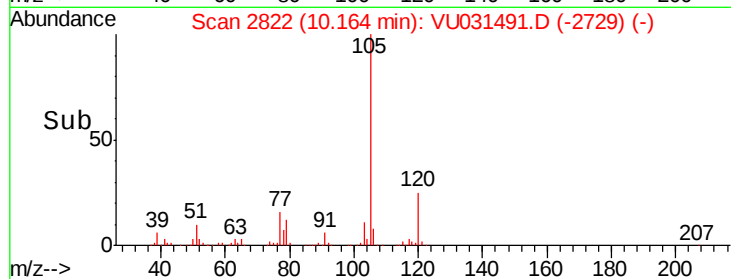
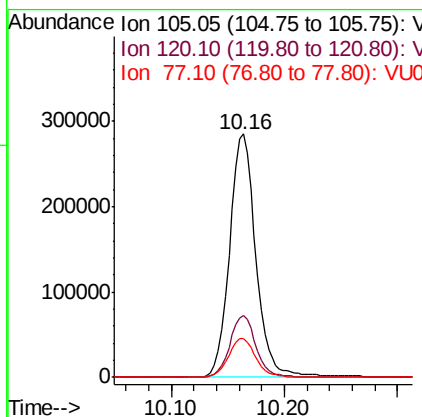
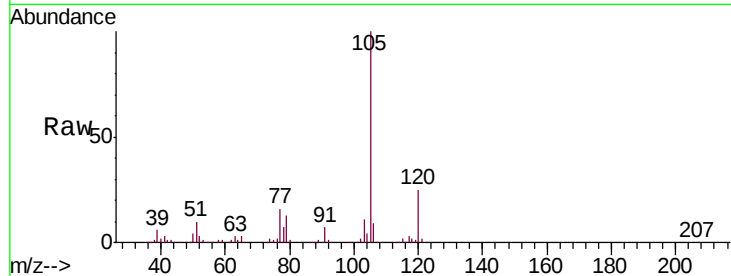




#56
Isopropylbenzene
Concen: 5.183 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

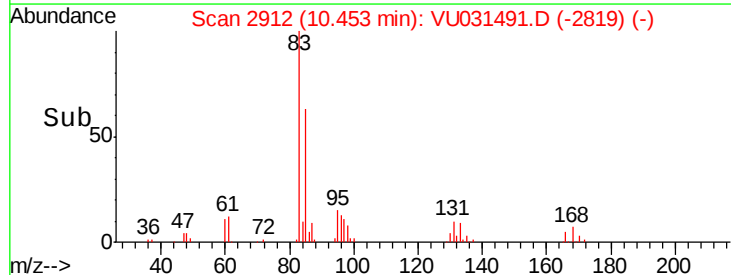
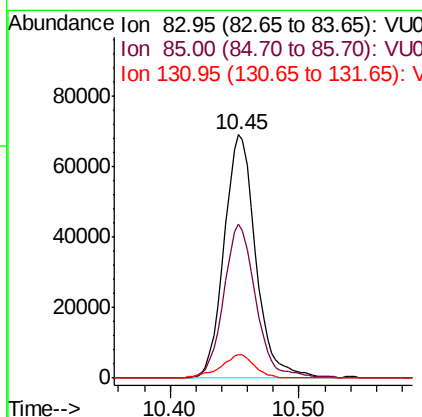
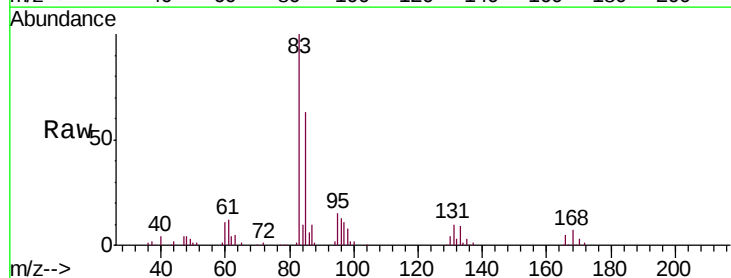
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

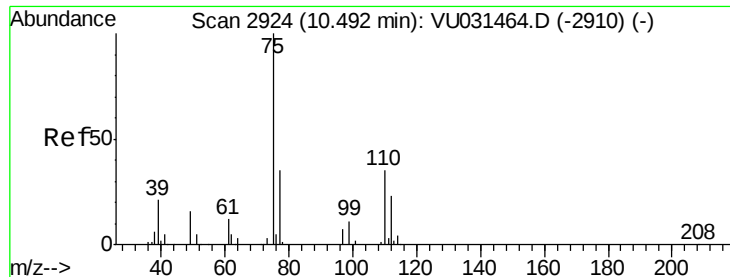
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.8	31.2
77	16.9	13.2	19.8



#58
1,1,2,2-Tetrachloroethane
Concen: 5.644 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU031491.D
Acq: 24 Apr 2019 23:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	42.8	79.4
131	9.8	7.0	10.4

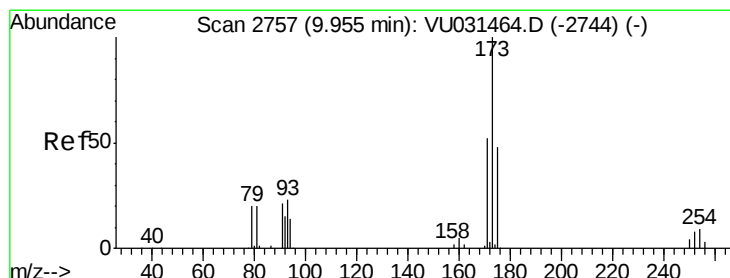
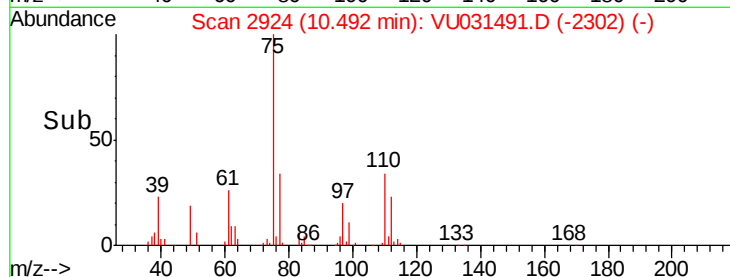
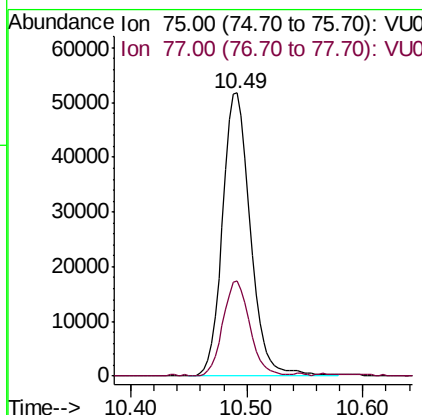
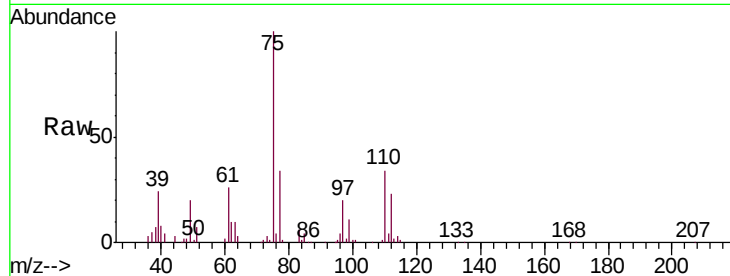




#59
 1,2,3-Trichloropropane
 Concen: 5.698 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

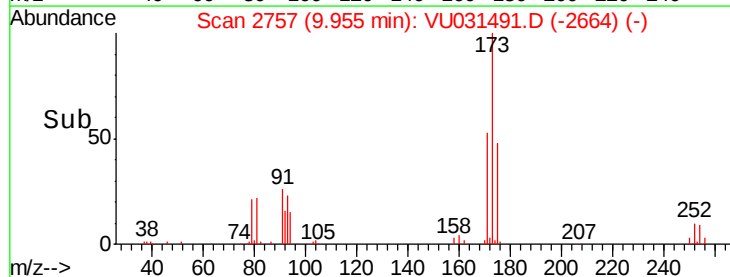
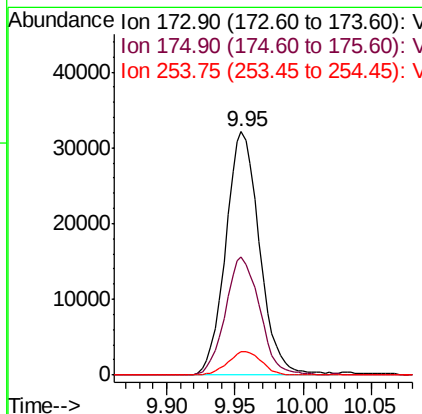
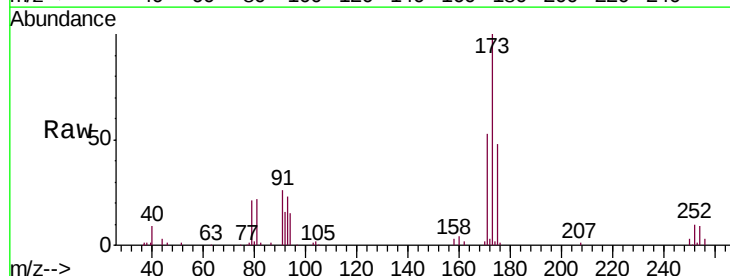
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

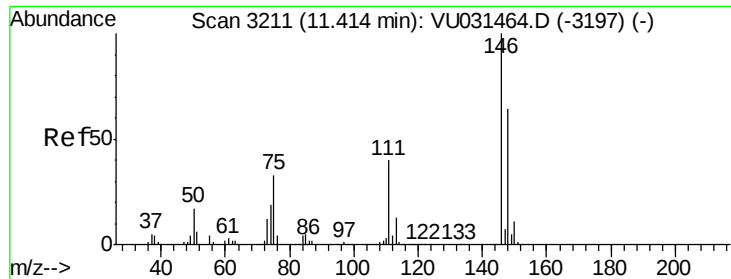
Tgt Ion: 75 Resp: 86207
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5



#61
 Bromoform
 Concen: 5.533 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 173 Resp: 55555
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.9 59.9
 254 9.5 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.212 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

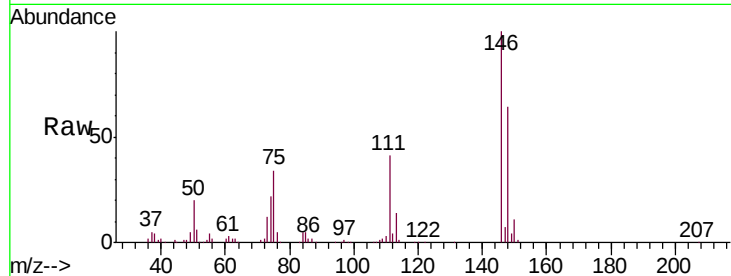
Tgt Ion:146 Resp: 196951

Ion Ratio Lower Upper

146 100

111 41.4 28.5 52.9

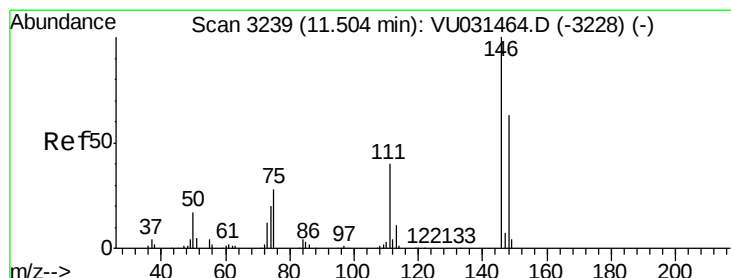
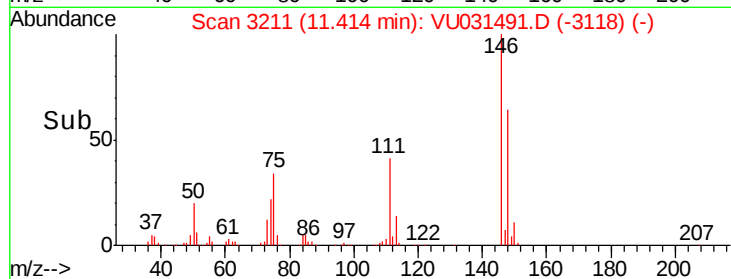
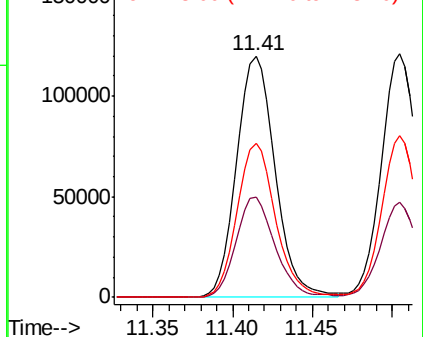
148 63.7 43.8 81.4



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



#63

1,4-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

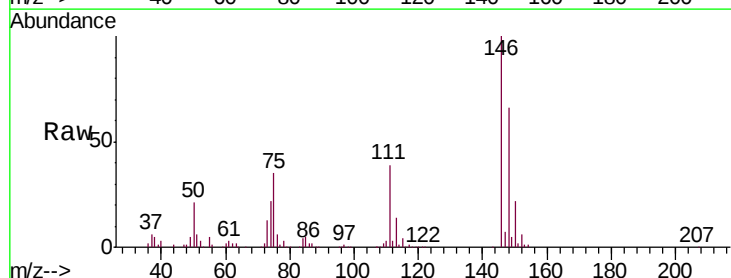
Tgt Ion:146 Resp: 201002

Ion Ratio Lower Upper

146 100

111 38.9 26.7 49.5

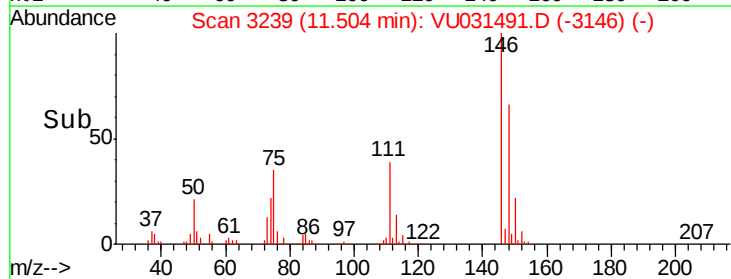
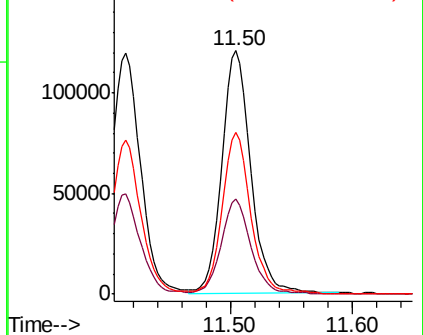
148 66.2 43.3 80.3

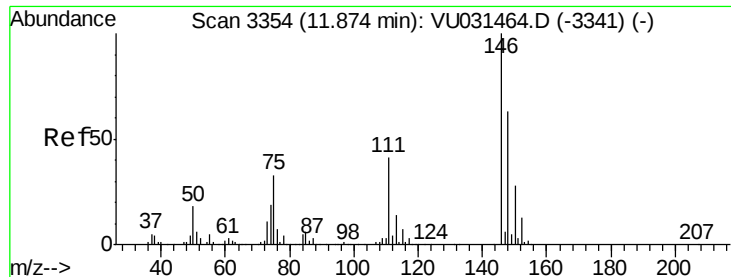


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

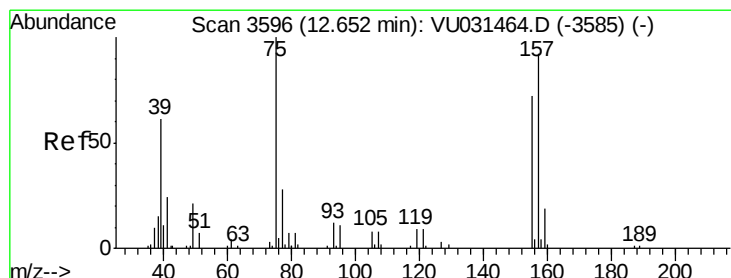
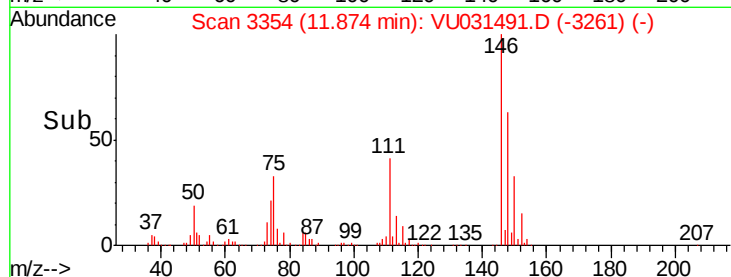
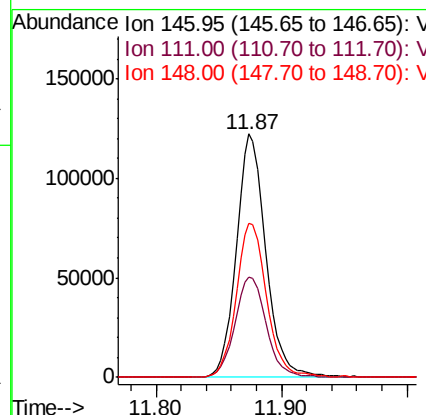
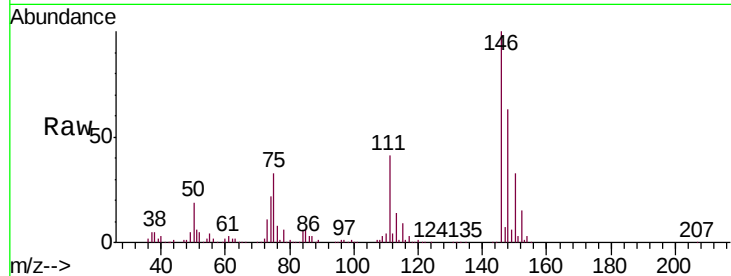




#65
 1,2-Dichlorobenzene
 Concen: 5.321 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

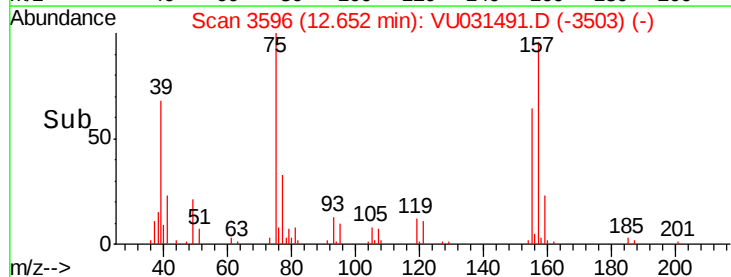
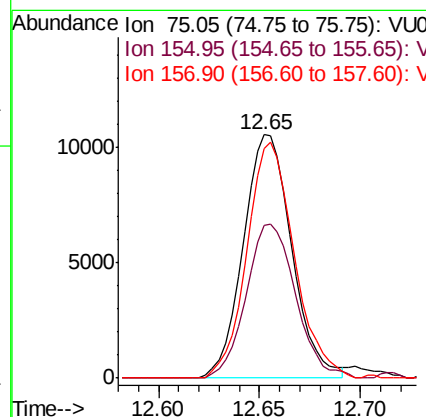
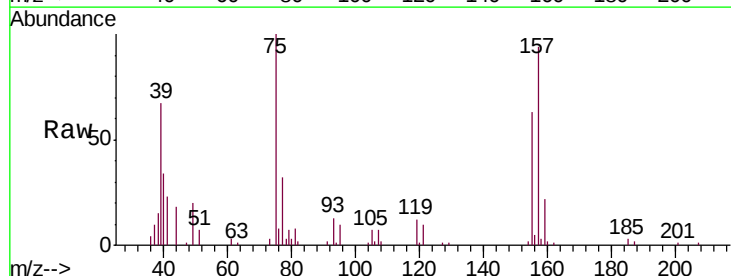
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

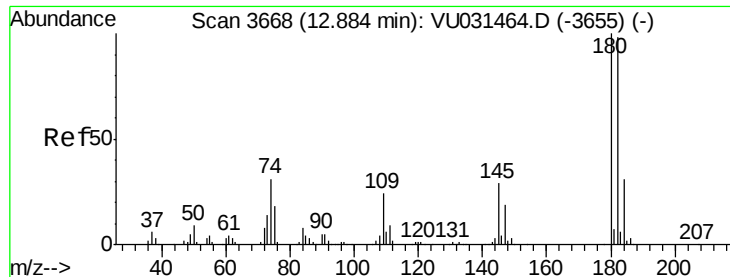
Tgt Ion: 146 Resp: 199353
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.0 51.0
 148 63.1 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.667 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion: 75 Resp: 17760
 Ion Ratio Lower Upper
 75 100
 155 62.7 57.2 85.8
 157 94.1 71.9 107.9

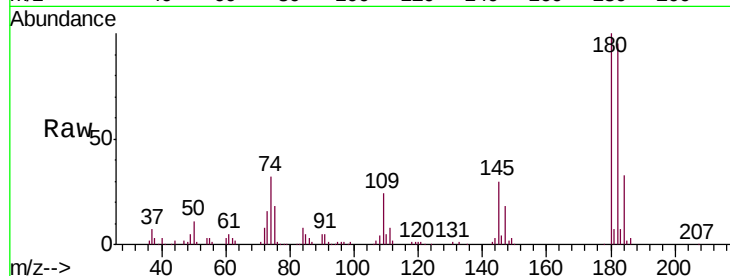




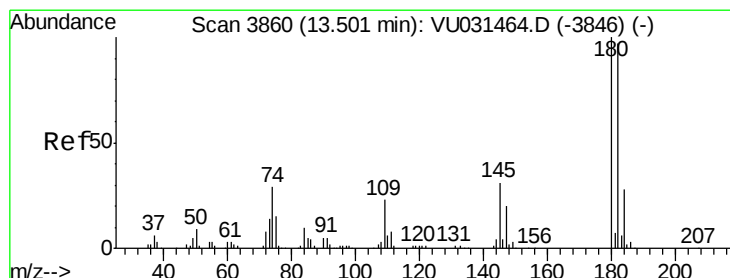
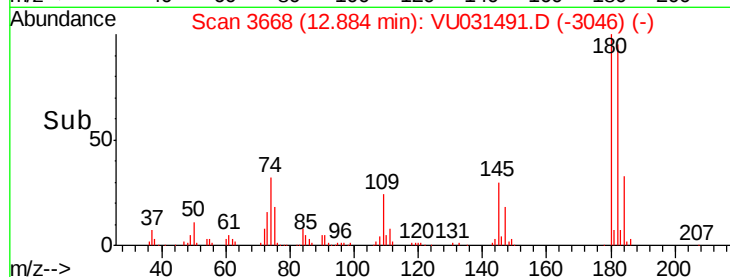
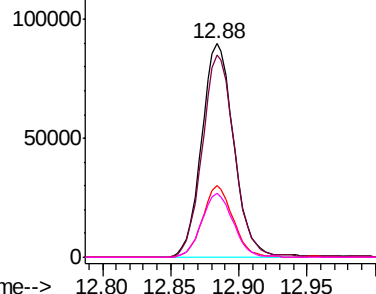
#67
 1,3,5-Trichlorobenzene
 Concen: 5.143 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:	180	Resp:	147626
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.8	116.6
184	31.6	24.6	36.8
145	29.3	23.8	35.8

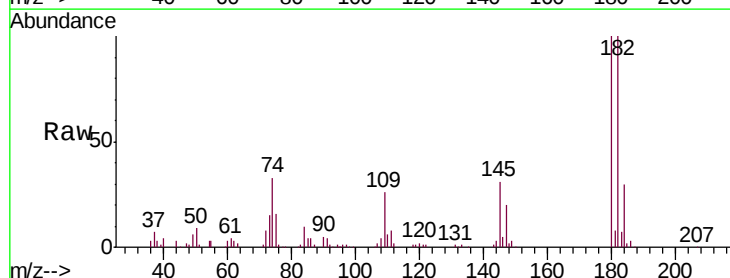


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

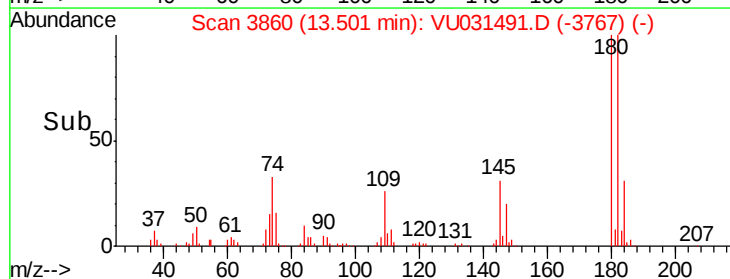
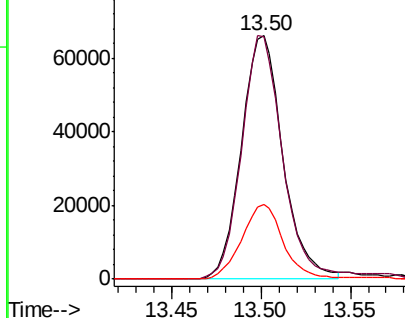


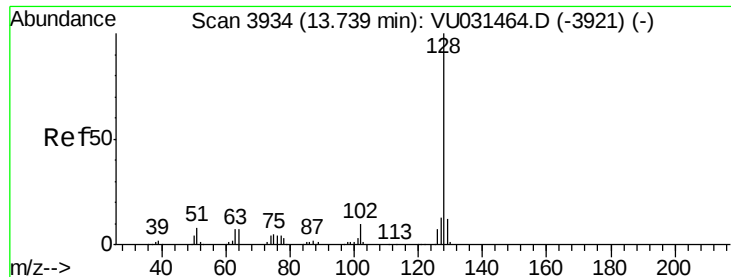
#68
 1,2,4-trichlorobenzene
 Concen: 4.752 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU031491.D
 Acq: 24 Apr 2019 23:35

Tgt Ion:	180	Resp:	107464
Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.9	115.3
145	30.9	24.2	36.4



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: 4.475 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

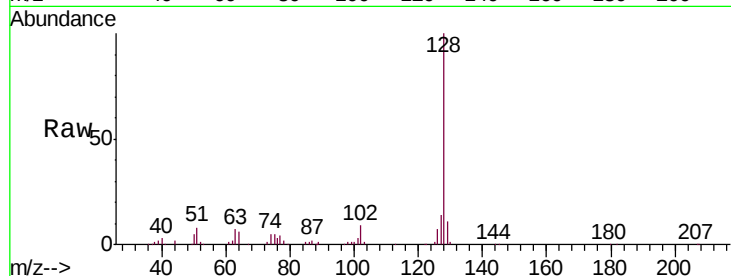
Tgt Ion:128 Resp: 197840

Ion Ratio Lower Upper

128 100

129 10.4 8.0 12.0

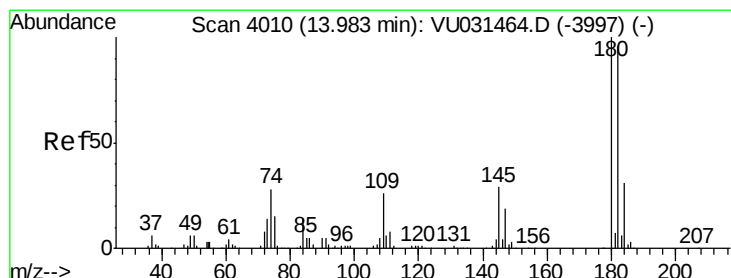
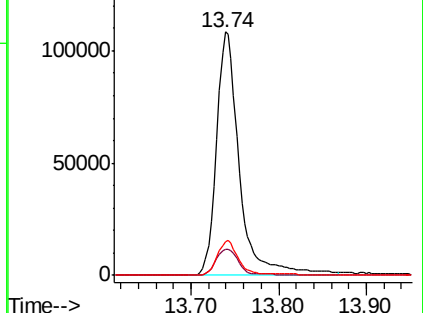
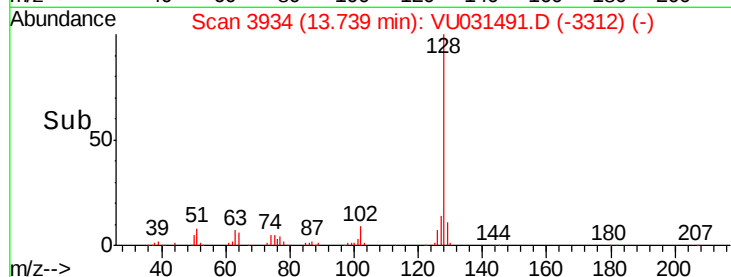
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.245 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031491.D

Acq: 24 Apr 2019 23:35

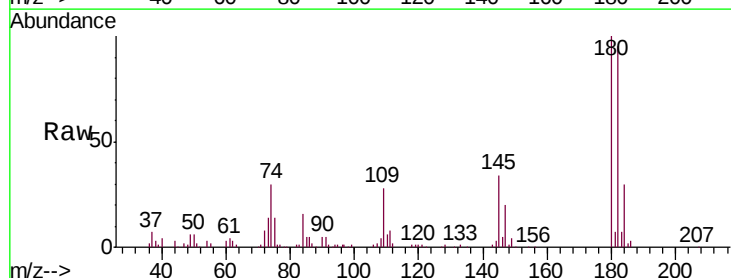
Tgt Ion:180 Resp: 117058

Ion Ratio Lower Upper

180 100

182 93.6 76.4 114.6

145 32.1 25.8 38.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

