

Data File : VU033133.D
Acq On : 02 Jul 2019 11:18
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Jul 03 02:07:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 01:53:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	101776	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	100801	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54172	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	26912	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	23908	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	64870	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.18	46	96875	45.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.34%
24) Chloroform-d	4.64	84	63881	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	35870	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.33	84	115964	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.32	67	38235	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.56	98	112785	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.85	79	15987	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.31	63	69075	48.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32299	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	46566	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	50367	4.830	ug/L 99
3) Chloromethane	1.33	50	47486	4.726	ug/L 99
5) Vinyl chloride	1.40	62	47051	4.764	ug/L 98
6) Bromomethane	1.62	94	27756	4.902	ug/L 98
8) Chloroethane	1.69	64	27438	4.574	ug/L 100
9) Trichlorofluoromethane	1.88	101	69067	4.895	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34904	4.759	ug/L 99
12) 1,1-Dichloroethene	2.28	96	31761	4.783	ug/L 94
13) Acetone	2.32	43	80163	46.493	ug/L 97
14) Carbon disulfide	2.47	76	103900	4.745	ug/L 100
15) Methyl Acetate	2.61	43	19092	4.671	ug/L 99
16) Methylene chloride	2.69	84	36038	4.616	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	91379	4.748	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	34321	4.684	ug/L 98
19) 1,1-Dichloroethane	3.43	63	70304	4.779	ug/L 97
21) 2-Butanone	4.27	43	118481	47.507	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	39796	4.912	ug/L 97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	18100	4.798	ug/L	97
25) Chloroform	4.67	83	73588	4.523	ug/L	98
27) 1,2-Dichloroethane	5.40	62	50140	4.760	ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	62859	4.841	ug/L	99
30) Cyclohexane	4.98	56	58524	4.936	ug/L	99
31) Carbon tetrachloride	5.12	117	57092	4.912	ug/L	99
33) Benzene	5.38	78	149387	5.029	ug/L	100
34) Trichloroethene	6.18	95	40273	4.970	ug/L	94
35) Methylcyclohexane	6.41	83	61014	5.062	ug/L	99
37) 1,2-Dichloropropane	6.42	63	39755	4.864	ug/L	99
38) Bromodichloromethane	6.75	83	51737	4.852	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	58456	5.072	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	286005	50.413	ug/L	99
42) Toluene	7.63	91	161319	5.044	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	48488	5.051	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	27778	4.848	ug/L	99
47) Tetrachloroethene	8.22	164	33354	4.955	ug/L	95
48) 2-Hexanone	8.36	43	209538	50.916	ug/L	98
49) Dibromochloromethane	8.47	129	34960	4.877	ug/L	94
50) 1,2-Dibromoethane	8.58	107	27798	5.070	ug/L	99
51) Chlorobenzene	9.11	112	105022	4.982	ug/L	100
52) Ethylbenzene	9.24	91	175165	5.000	ug/L	100
53) m,p-Xylene	9.37	106	65312	5.105	ug/L	99
54) o-Xylene	9.77	106	63432	5.081	ug/L	93
55) Styrene	9.79	104	109032	5.177	ug/L	97
56) Isopropylbenzene	10.16	105	173855	5.177	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	36458	5.012	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	27069	4.869	ug/L	99
61) Bromoform	9.95	173	20104	4.909	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	84311	4.957	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	87090	4.930	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	83541	5.020	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5850	5.118	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	68602	5.155	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	52282	5.521	ug/L	98
69) Naphthalene	13.74	128	75652	5.453	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	49079	5.451	ug/L	97

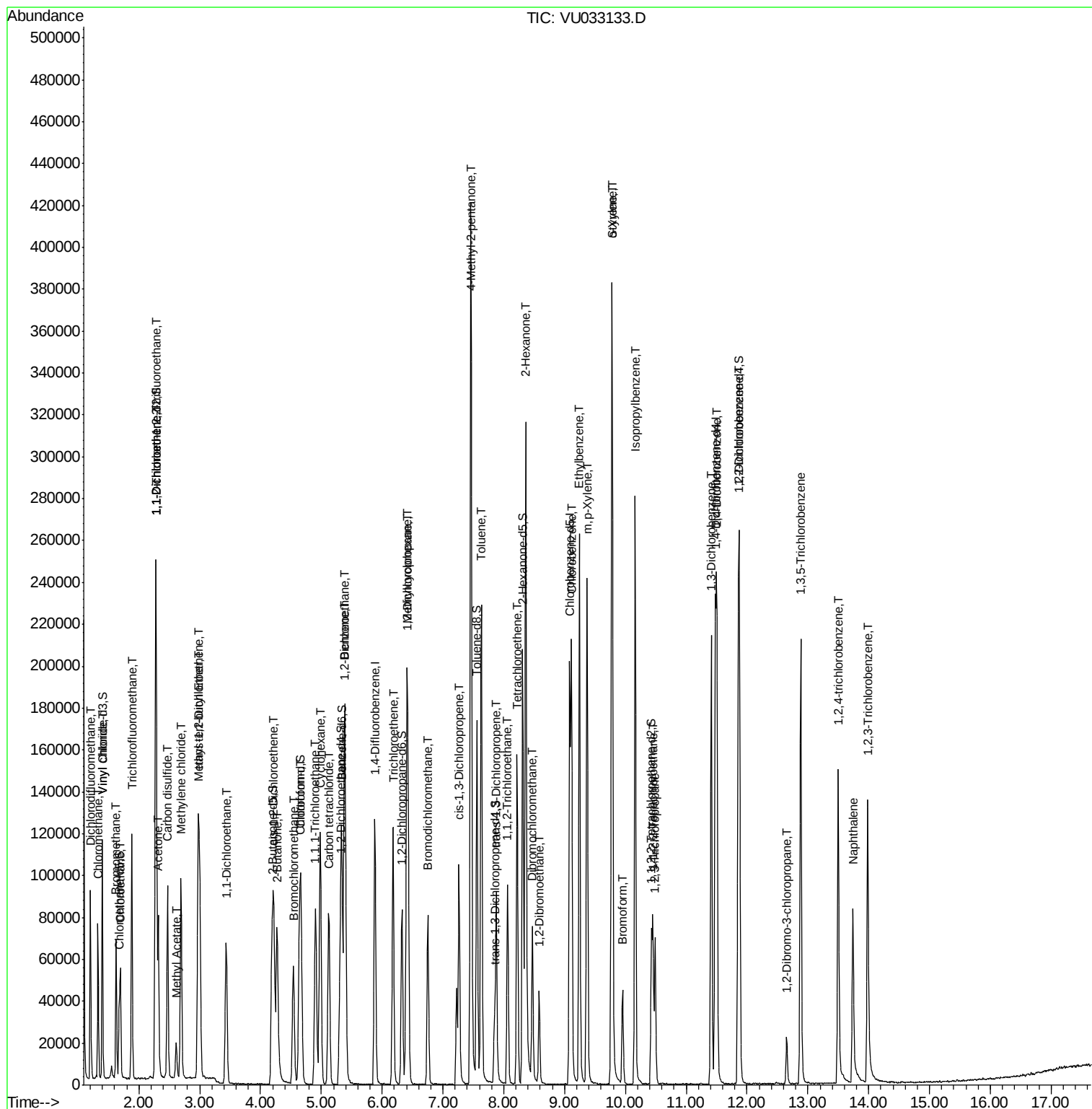
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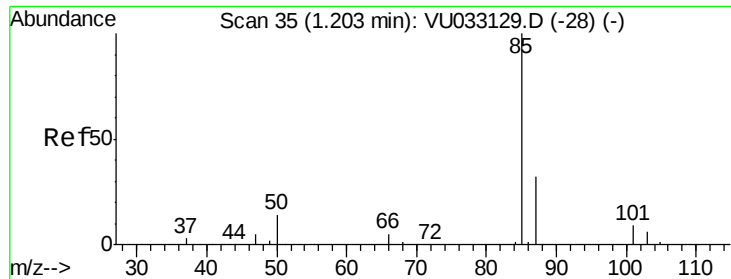
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Acq On       : 02 Jul 2019   11:18
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#2

Dichlorodifluoromethane

Concen: 4.830 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

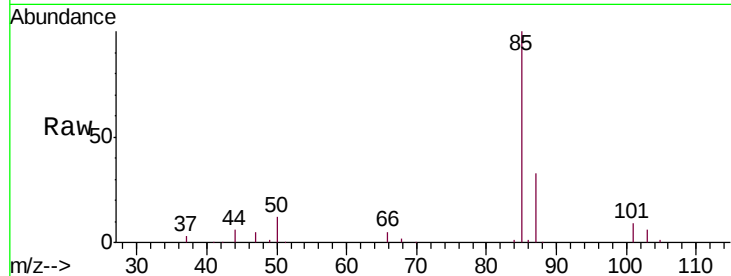
VSTD00510

Tgt Ion: 85 Resp: 50367

Ion Ratio Lower Upper

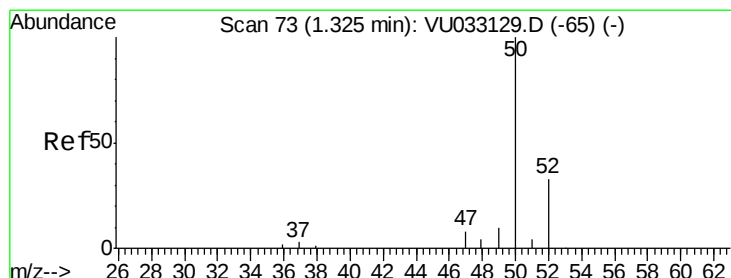
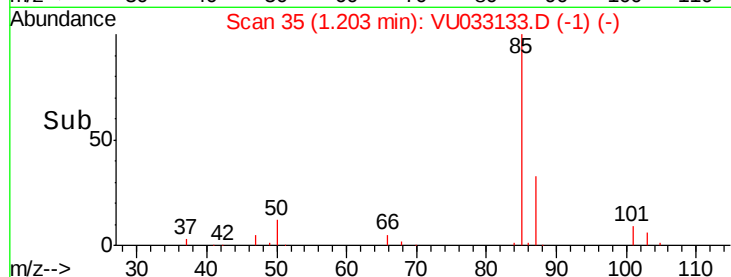
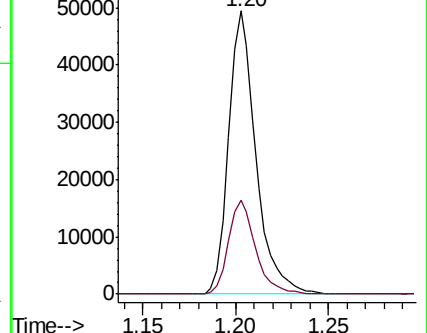
85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033129.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033129.D (-28) (-)



#3

Chloromethane

Concen: 4.726 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033133.D

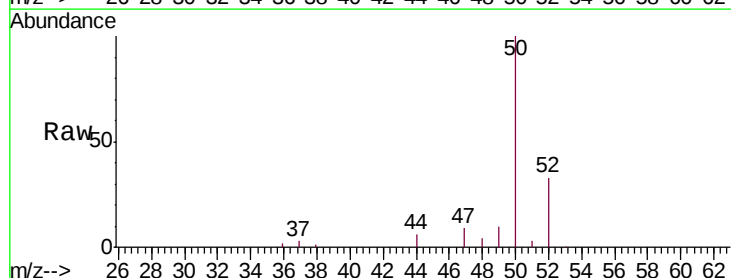
Acq: 02 Jul 2019 11:18

Tgt Ion: 50 Resp: 47486

Ion Ratio Lower Upper

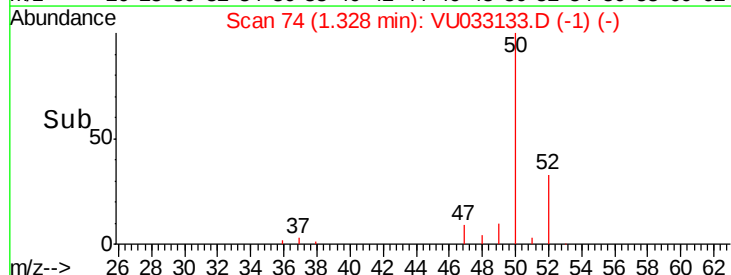
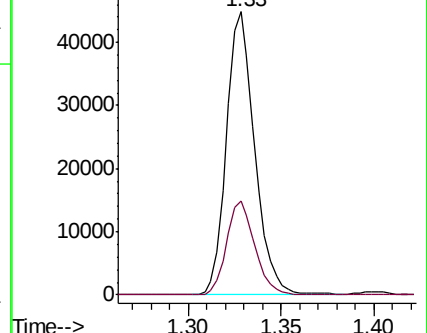
50 100

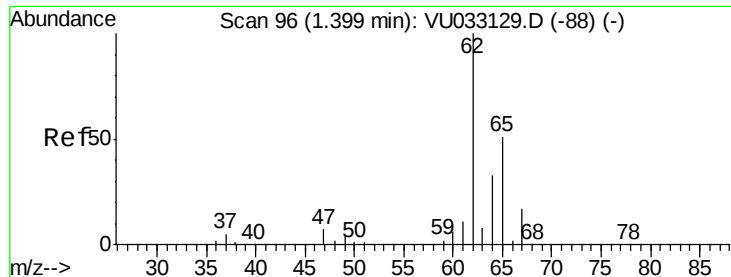
52 33.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU033129.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU033129.D (-65) (-)





#5

Vinyl chloride

Concen: 4.764 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

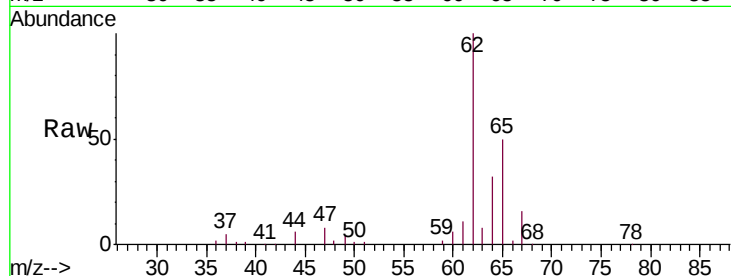
VSTD00510

Tgt Ion: 62 Resp: 47051

Ion Ratio Lower Upper

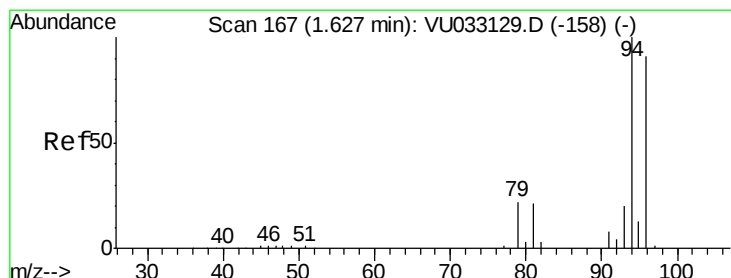
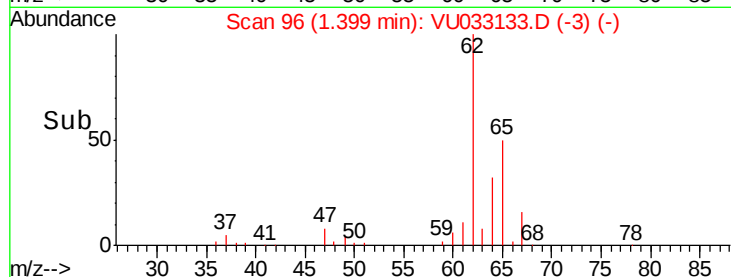
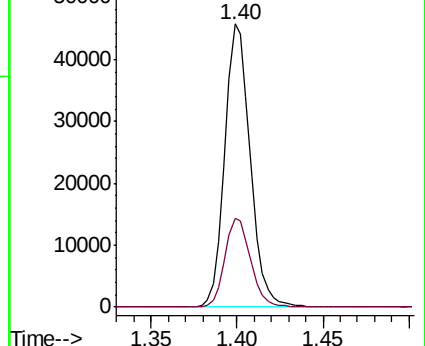
62 100

64 31.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033133.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU033133.D (-88) (-)



#6

Bromomethane

Concen: 4.902 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033133.D

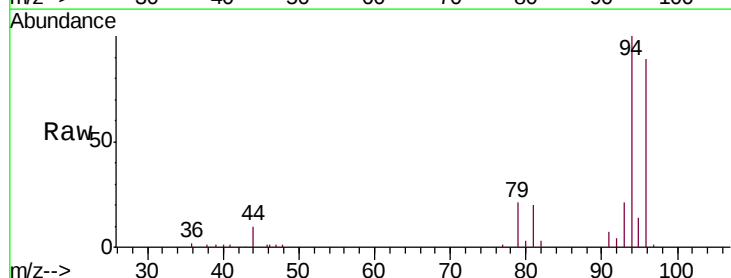
Acq: 02 Jul 2019 11:18

Tgt Ion: 94 Resp: 27756

Ion Ratio Lower Upper

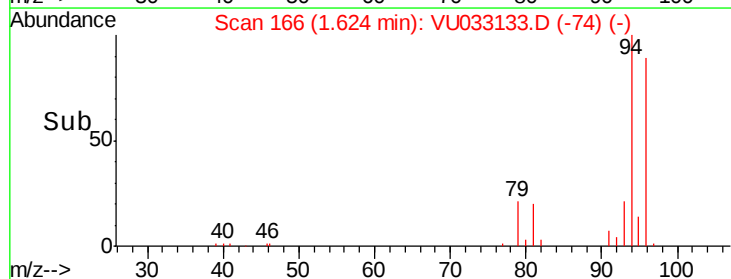
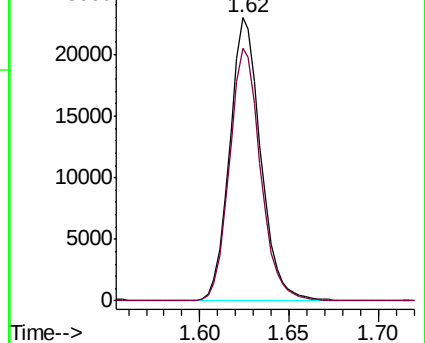
94 100

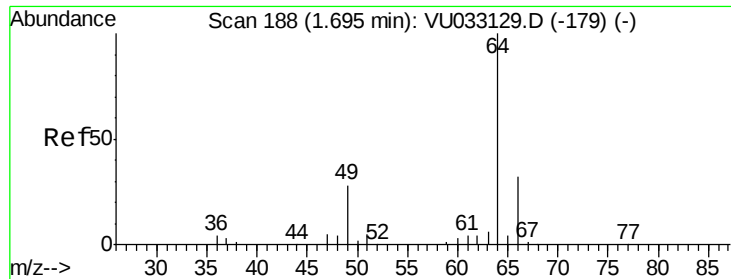
96 89.2 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU033133.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU033133.D (-158) (-)





#8

Chloroethane

Concen: 4.574 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

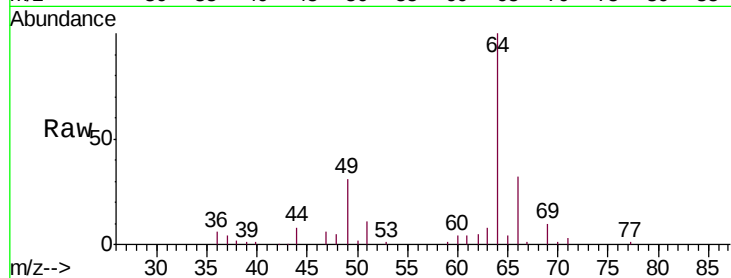
VSTD00510

Tgt Ion: 64 Resp: 27438

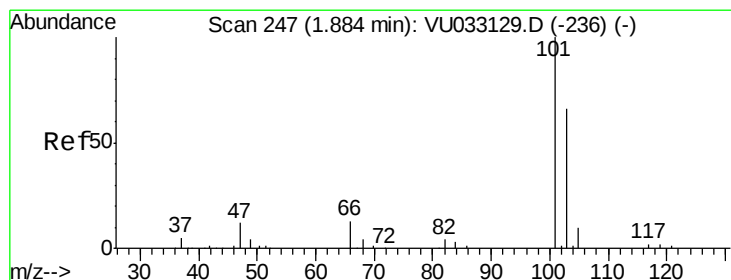
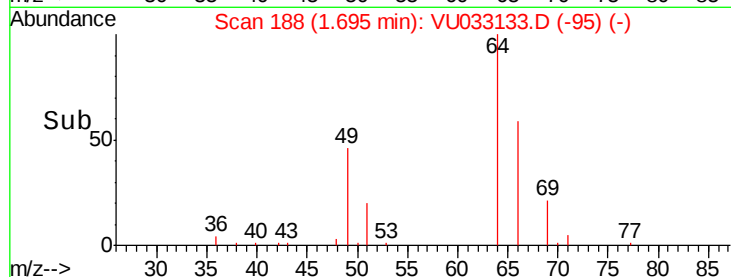
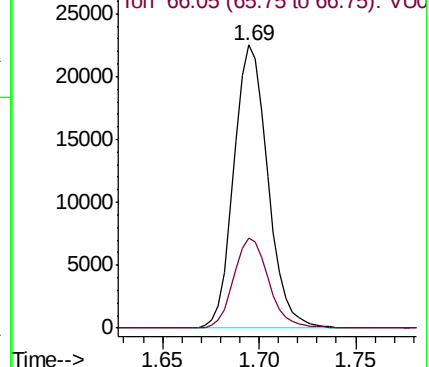
Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU033133.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.895 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU033133.D

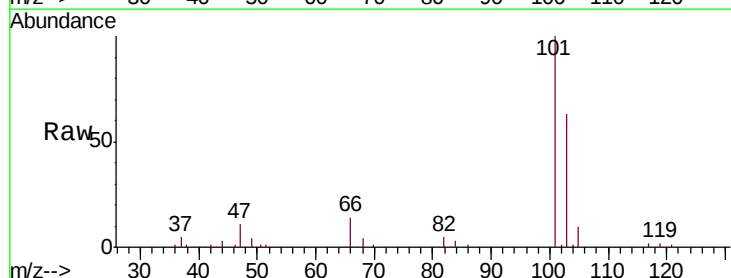
Acq: 02 Jul 2019 11:18

Tgt Ion: 101 Resp: 69067

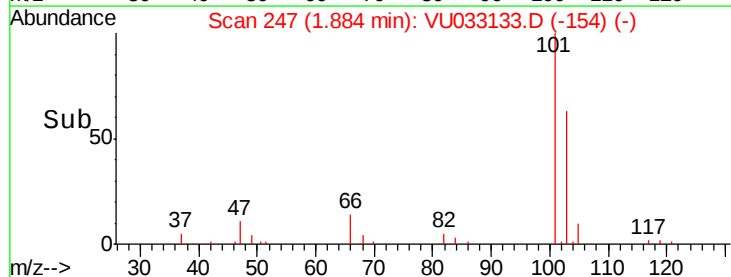
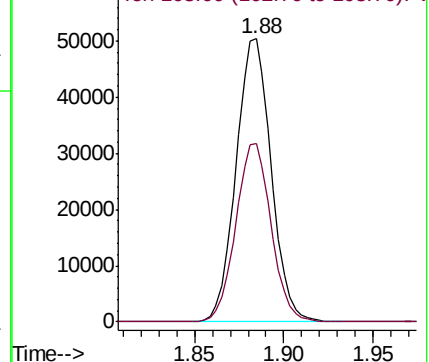
Ion Ratio Lower Upper

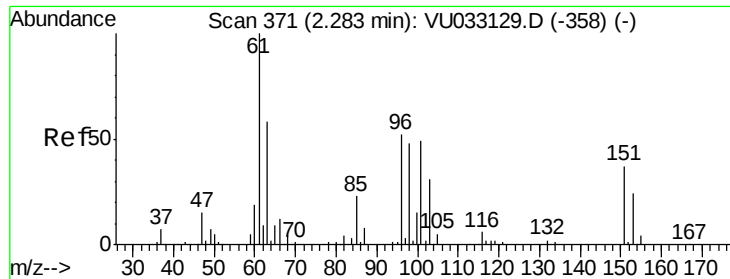
101 100

103 63.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033133.D (-236) (-)





#10

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

Concen: 4.759 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

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ClientSampleId :

VSTD00510

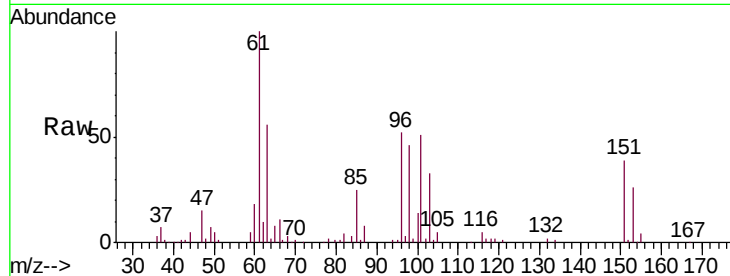
Tgt Ion:101 Resp: 34904

Ion Ratio Lower Upper

101 100

85 48.6 38.0 57.0

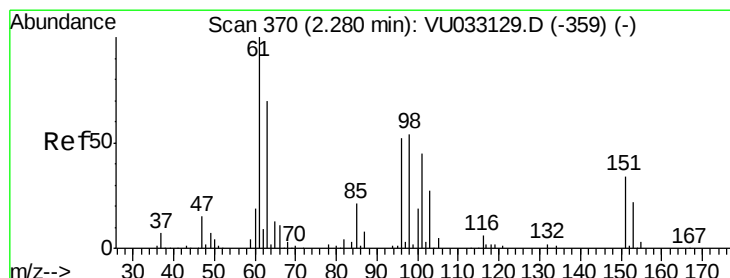
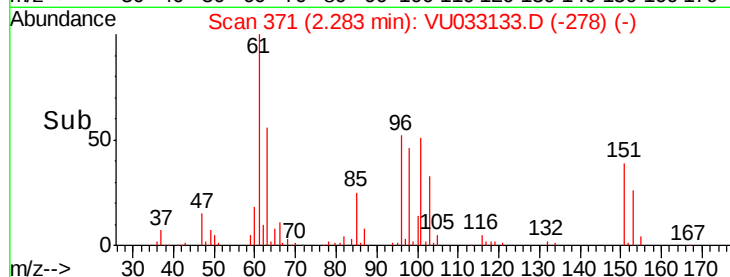
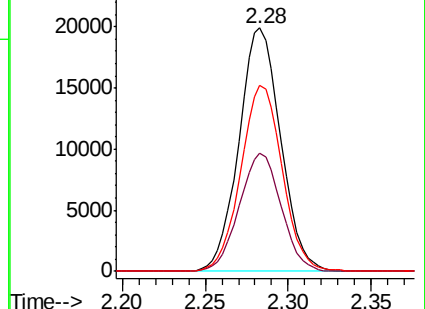
151 75.9 60.6 91.0



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: 4.783 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

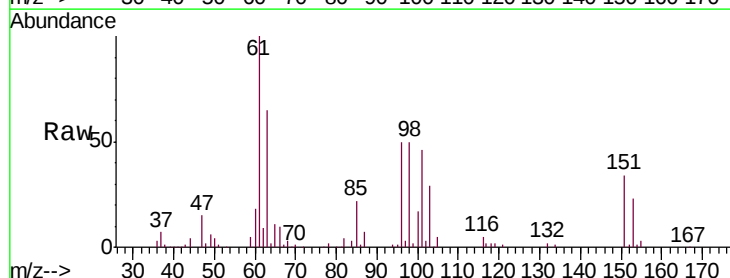
Tgt Ion: 96 Resp: 31761

Ion Ratio Lower Upper

96 100

61 199.8 135.5 251.7

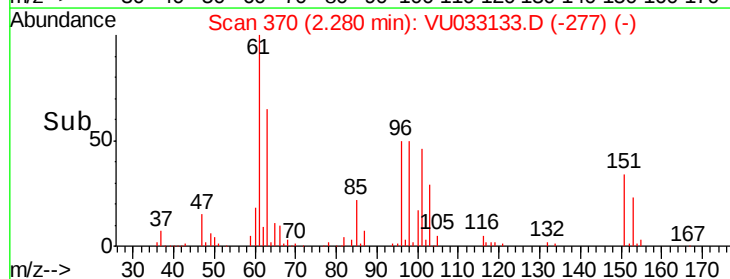
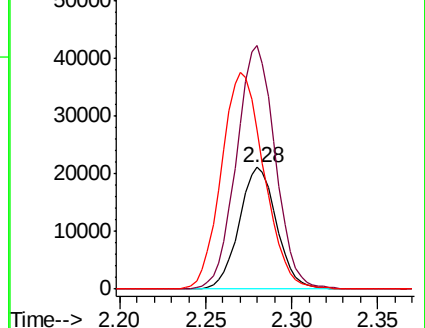
63 130.9 98.0 182.0

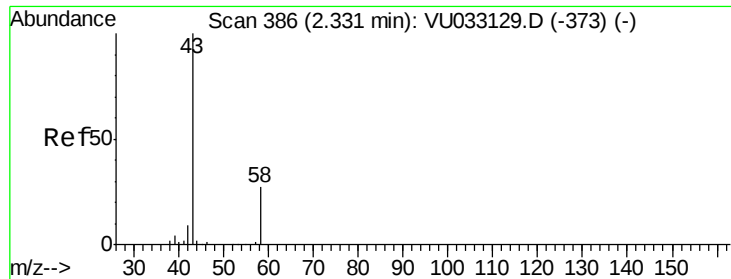


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.493 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

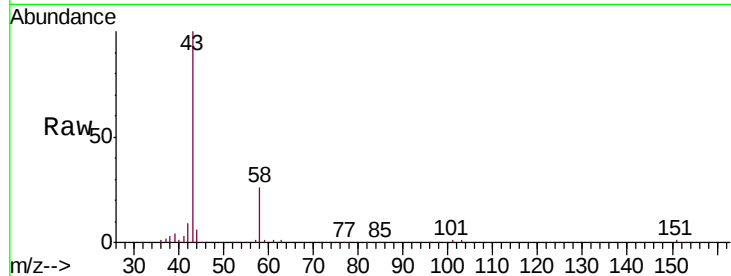
VSTD00510

Tgt Ion: 43 Resp: 80163

Ion Ratio Lower Upper

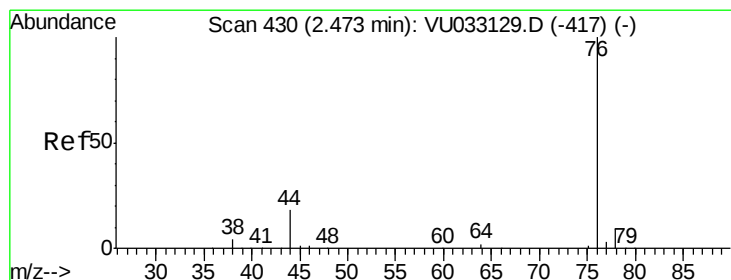
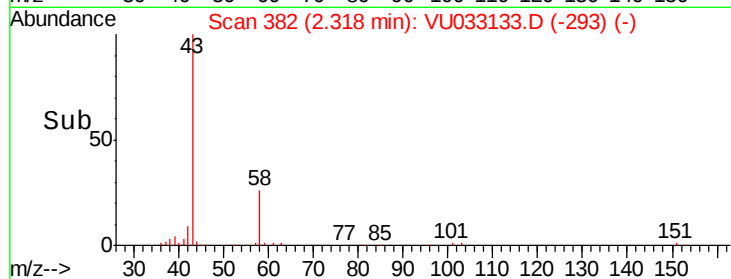
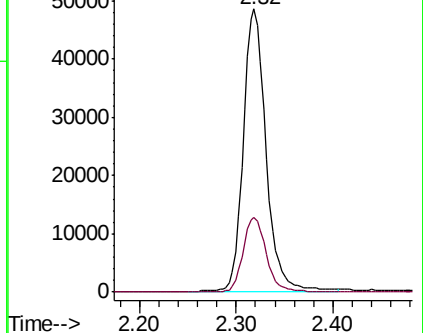
43 100

58 26.4 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033129.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU033129.D (-373) (-)



#14

Carbon disulfide

Concen: 4.745 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU033133.D

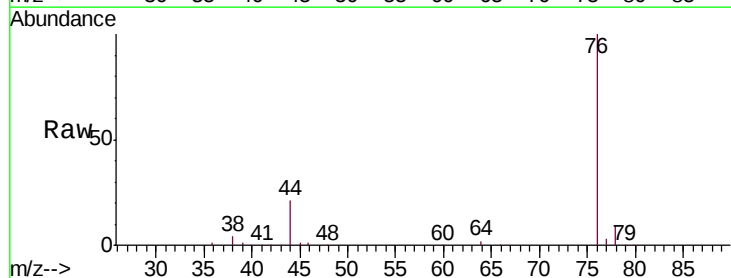
Acq: 02 Jul 2019 11:18

Tgt Ion: 76 Resp: 103900

Ion Ratio Lower Upper

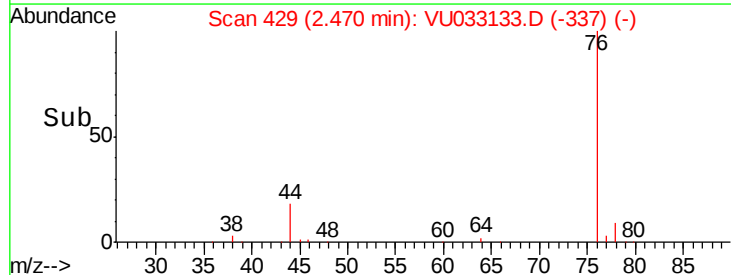
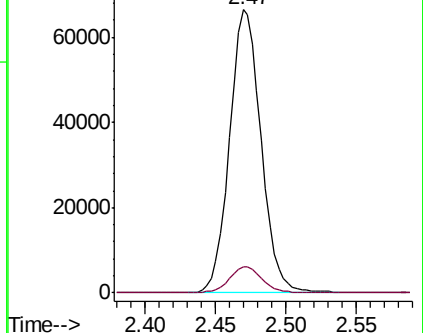
76 100

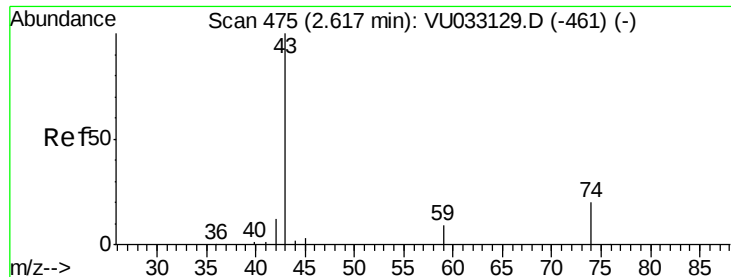
78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU033129.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033129.D (-417) (-)





#15

Methyl Acetate

Concen: 4.671 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

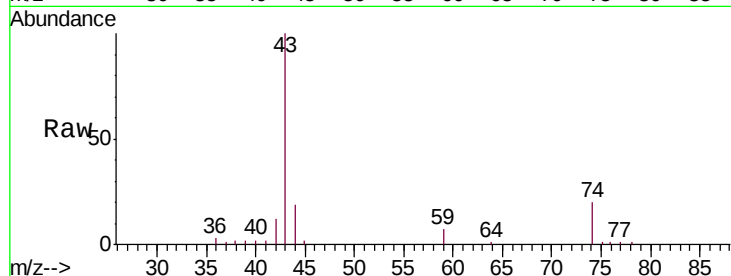
VSTD00510

Tgt Ion: 43 Resp: 19092

Ion Ratio Lower Upper

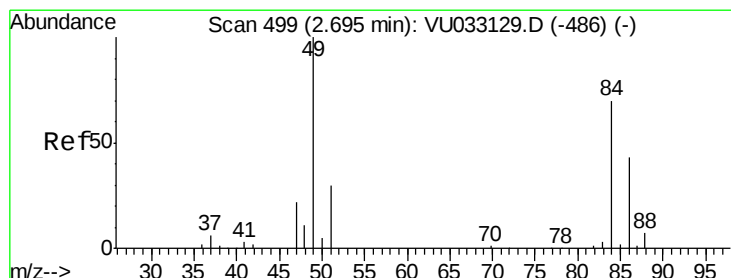
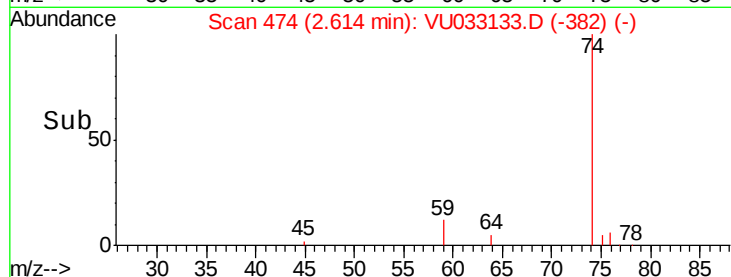
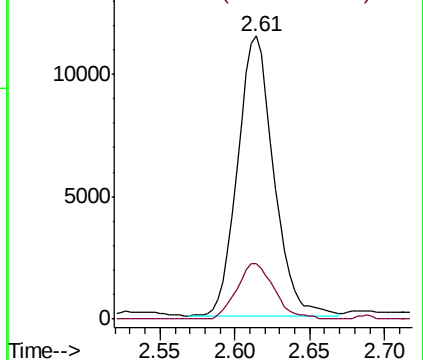
43 100

74 20.7 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU033133.D (-461) (-)



#16

Methylene chloride

Concen: 4.616 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

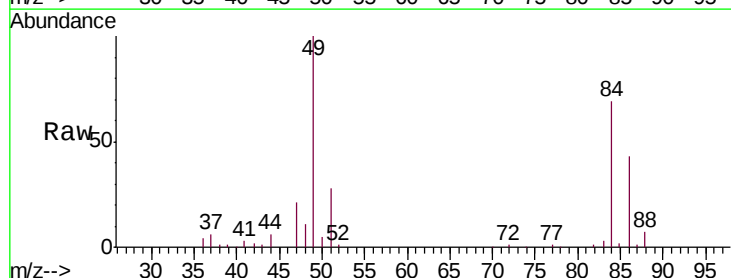
Tgt Ion: 84 Resp: 36038

Ion Ratio Lower Upper

84 100

86 62.8 42.8 79.6

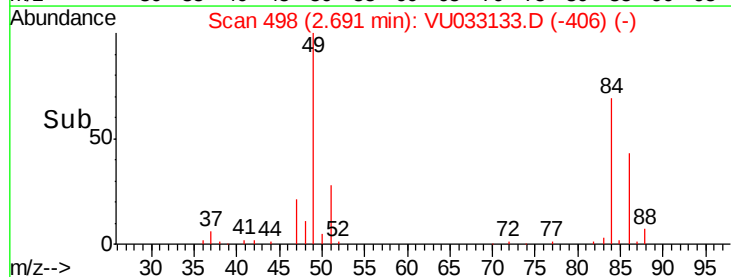
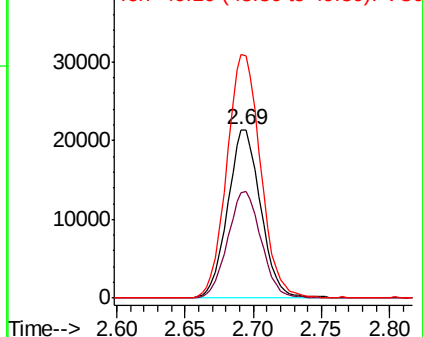
49 144.3 99.5 184.9

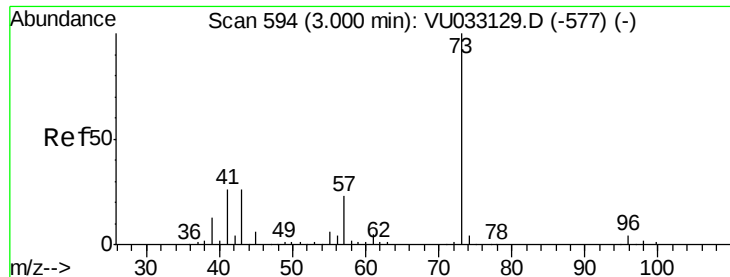


Abundance Ion 84.05 (83.75 to 84.75): VU033133.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU033133.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU033133.D (-406) (-)

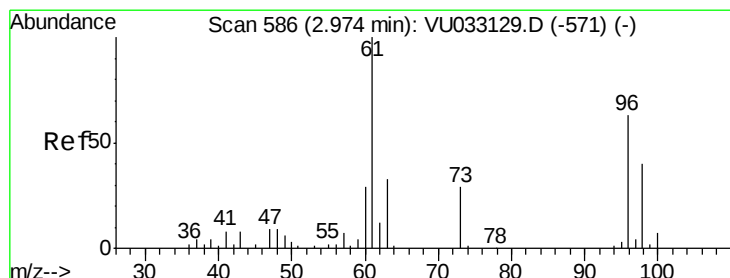
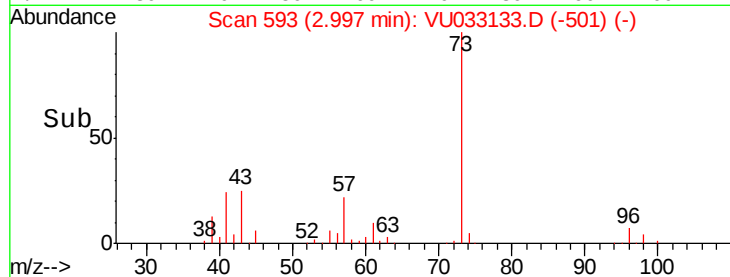
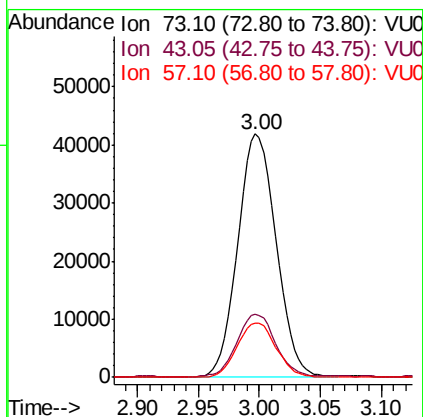
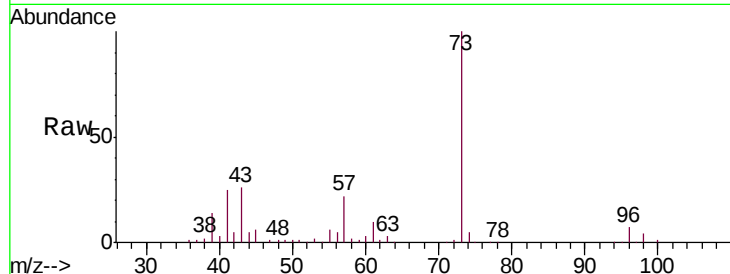




#17
Methyl tert-butyl Ether
Concen: 4.748 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

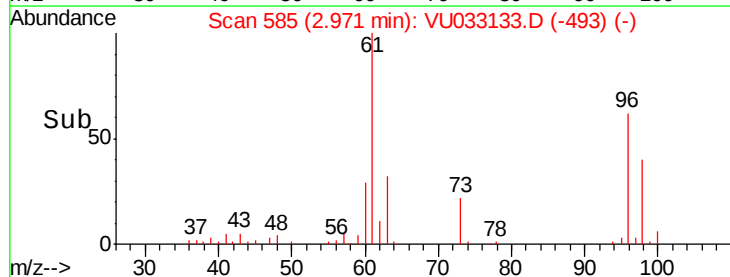
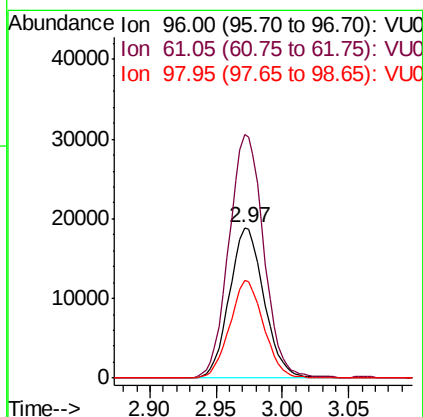
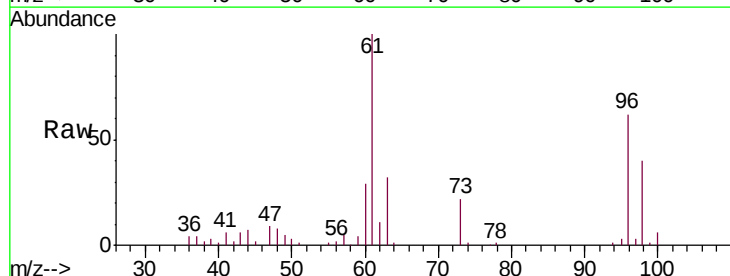
Instrument :
MSVOA_U
ClientSampled :
VSTD00510

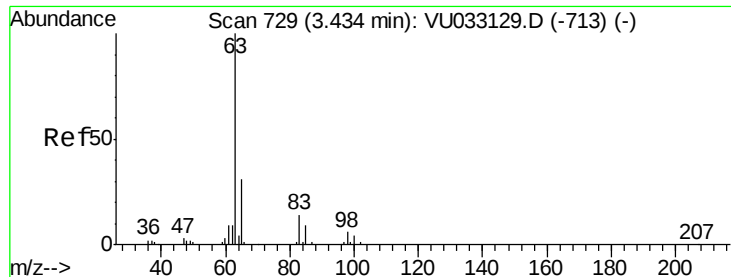
Tgt Ion: 73 Resp: 91379
Ion Ratio Lower Upper
73 100
43 26.7 20.6 30.8
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.684 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion: 96 Resp: 34321
Ion Ratio Lower Upper
96 100
61 162.0 111.3 206.7
98 64.6 44.0 81.8

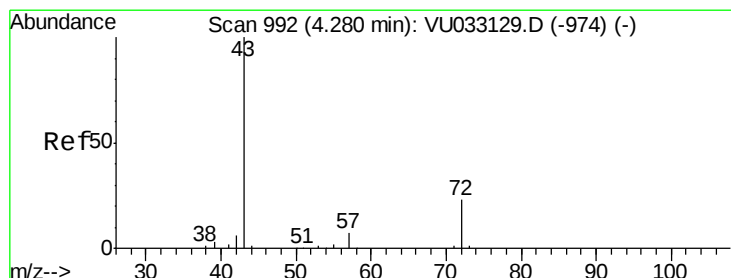
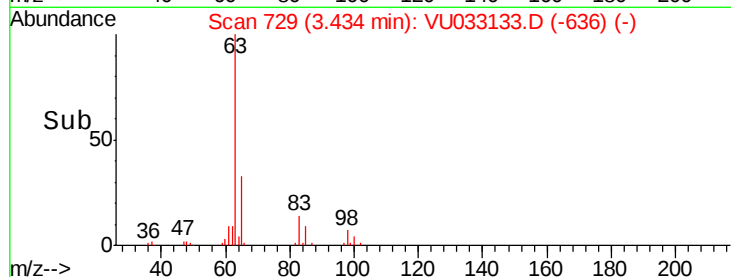
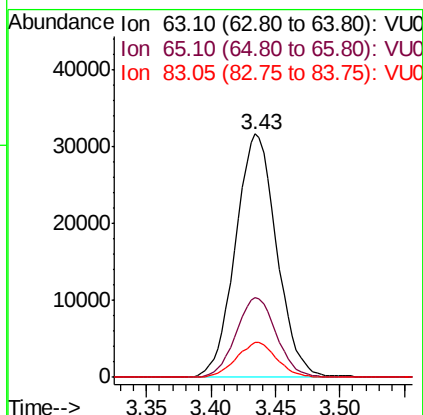
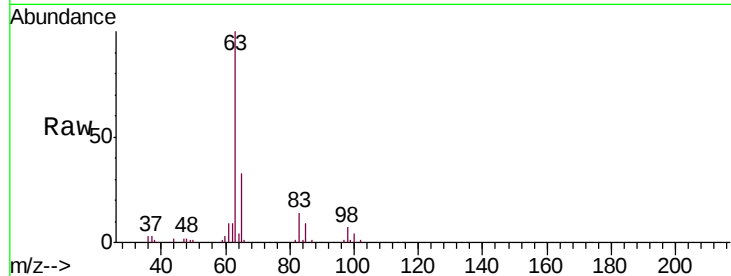




#19
 1,1-Dichloroethane
 Concen: 4.779 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

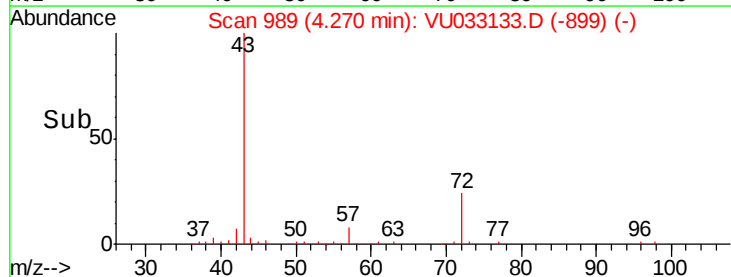
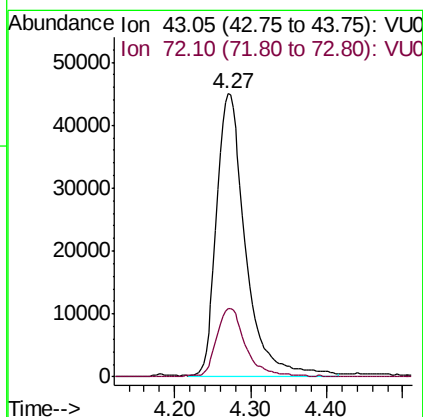
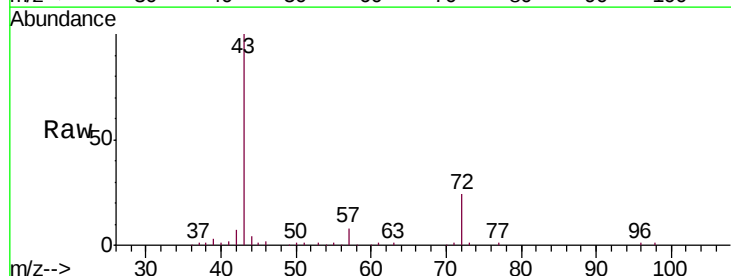
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

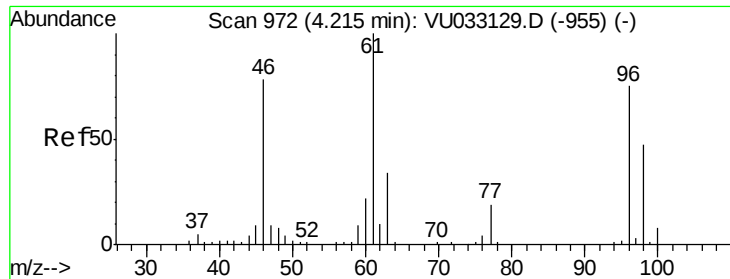
Tgt Ion: 63 Resp: 70304
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.4 39.8
 83 14.2 9.9 18.3



#21
 2-Butanone
 Concen: 47.507 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion: 43 Resp: 118481
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.1 36.3

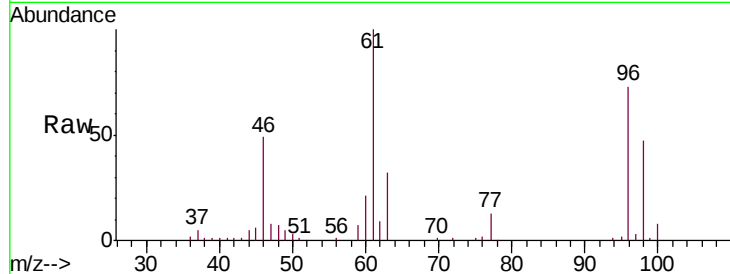




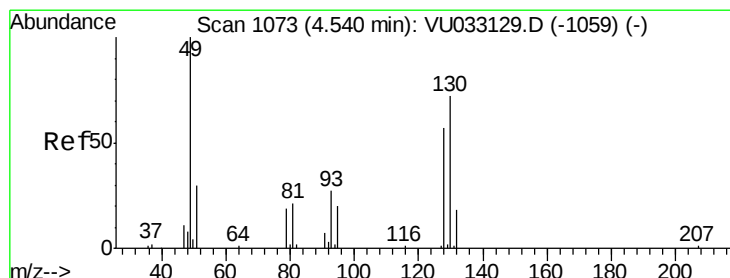
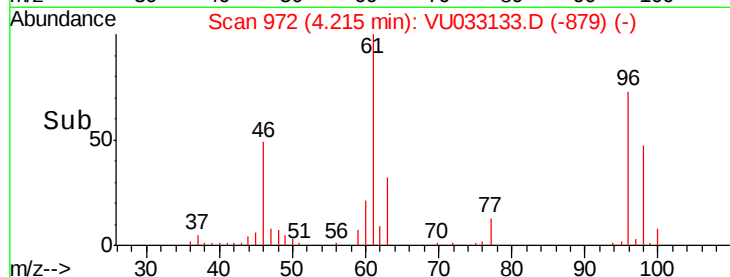
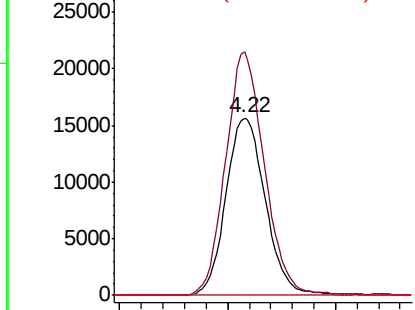
#22
 cis-1,2-Dichloroethene
 Concen: 4.912 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion: 96 Resp: 39796
 Ion Ratio Lower Upper
 96 100
 61 137.4 93.9 174.5
 68 0.0 0.0 0.0

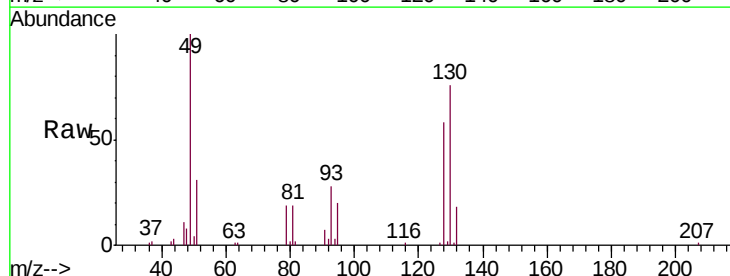


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

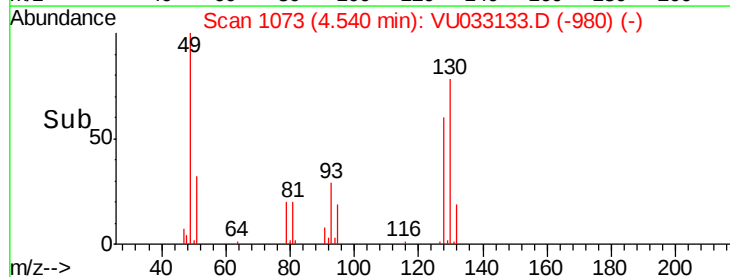
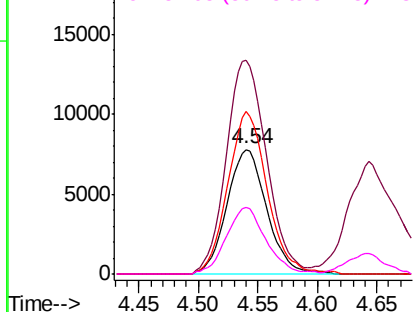


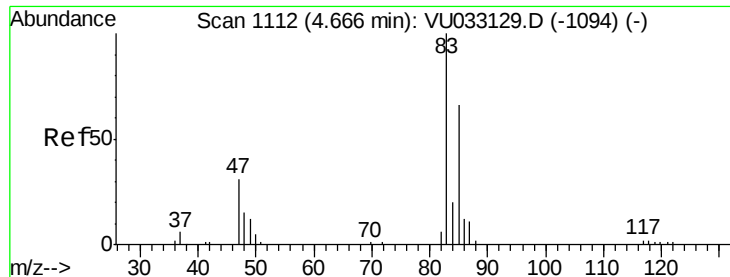
#23
 Bromochloromethane
 Concen: 4.798 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion: 128 Resp: 18100
 Ion Ratio Lower Upper
 128 100
 49 171.4 122.7 227.9
 130 130.6 88.1 163.5
 51 53.7 42.3 63.5



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

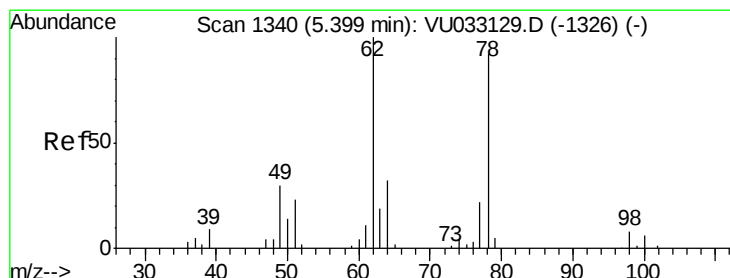
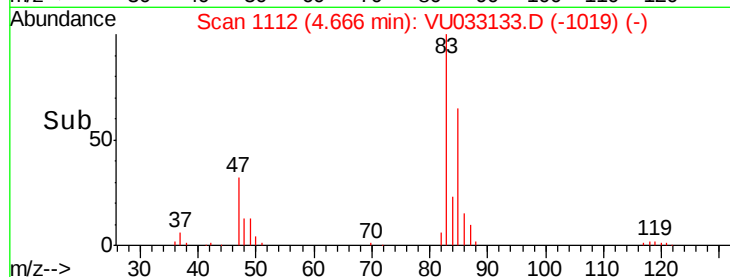
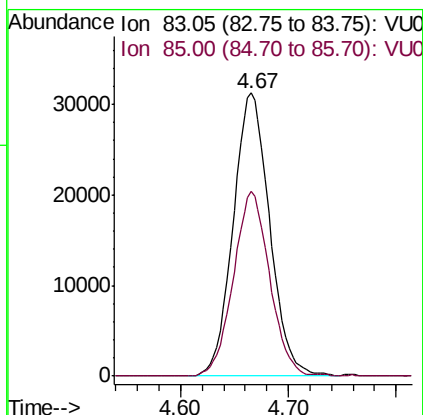
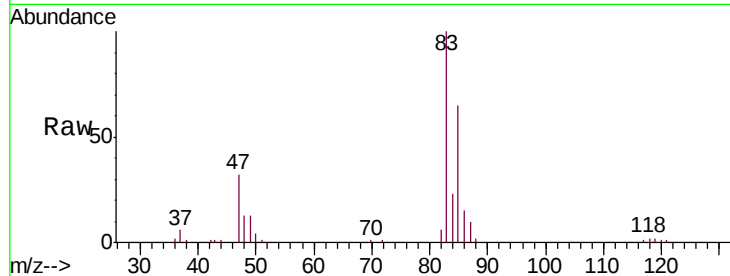




#25
Chloroform
Concen: 4.523 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

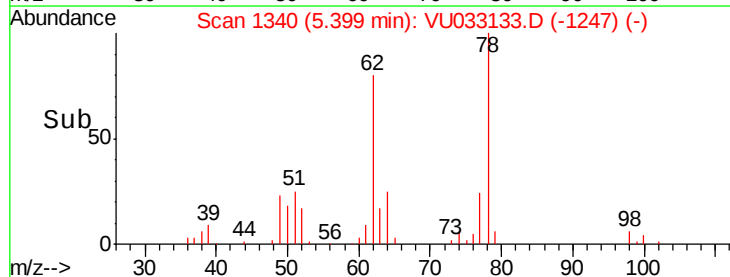
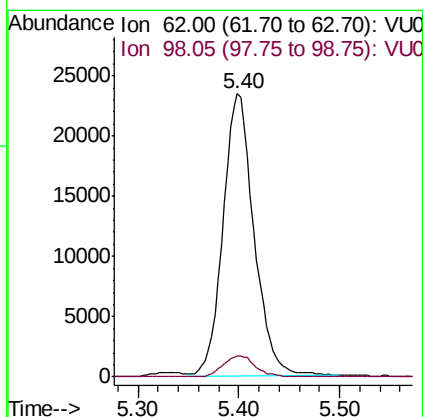
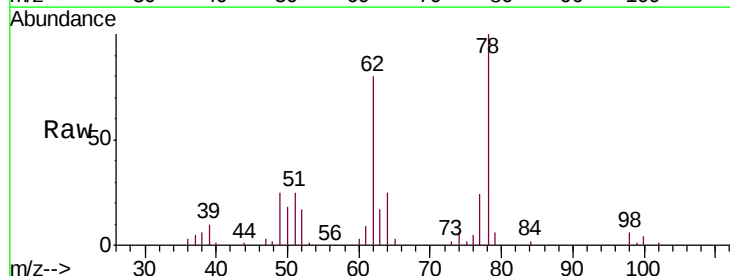
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

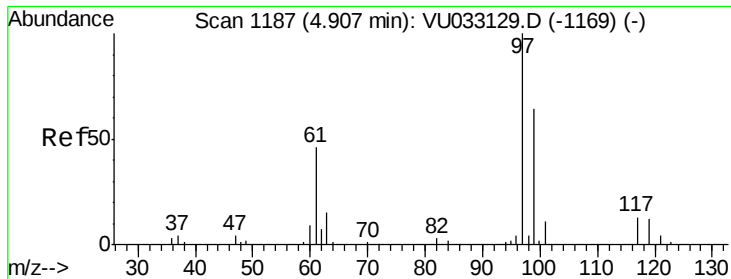
Tgt Ion: 83 Resp: 73588
Ion Ratio Lower Upper
83 100
85 65.4 46.6 86.6



#27
1,2-Dichloroethane
Concen: 4.760 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion: 62 Resp: 50140
Ion Ratio Lower Upper
62 100
98 7.4 5.9 8.9

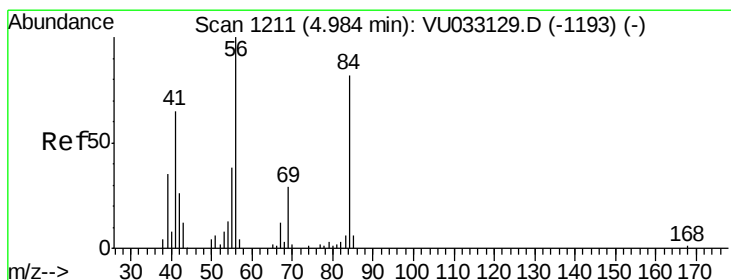
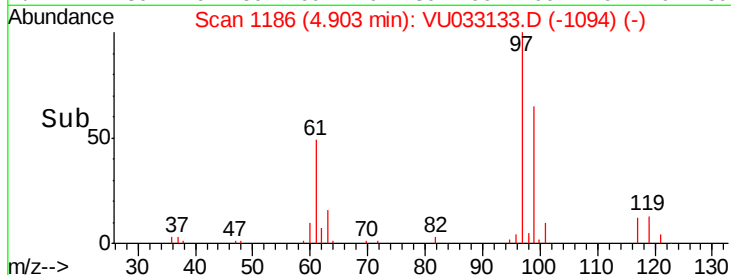
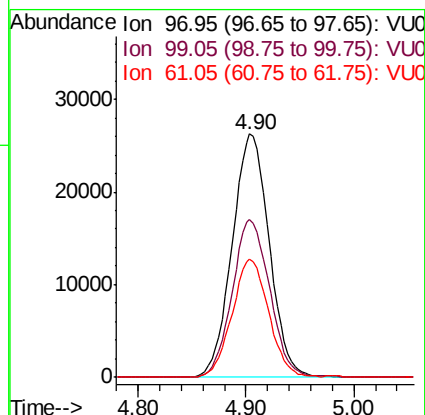
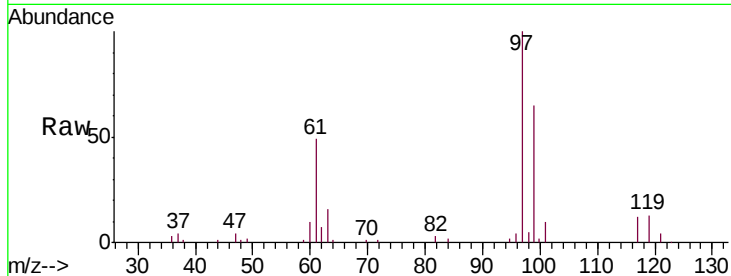




#29
1,1,1-Trichloroethane
Concen: 4.841 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

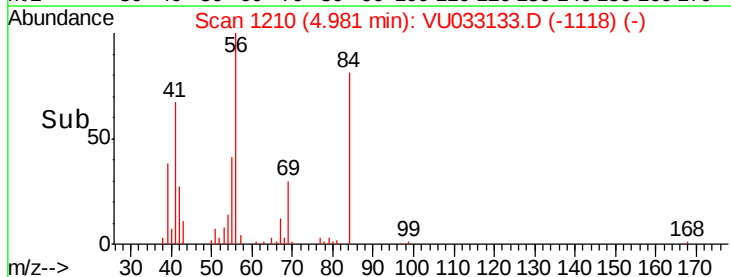
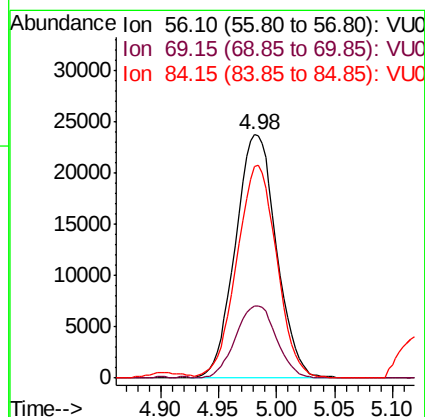
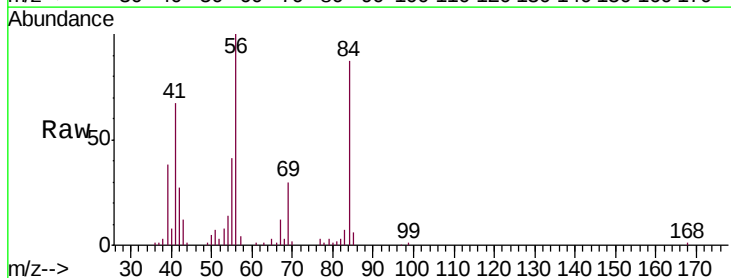
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

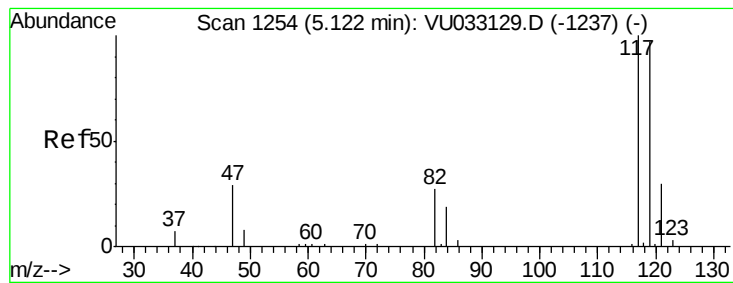
Tgt Ion: 97 Resp: 62859
Ion Ratio Lower Upper
97 100
99 65.6 51.4 77.0
61 48.0 37.8 56.8



#30
Cyclohexane
Concen: 4.936 ug/L
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion: 56 Resp: 58524
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.0
84 85.1 66.8 100.2





#31

Carbon tetrachloride

Concen: 4.912 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

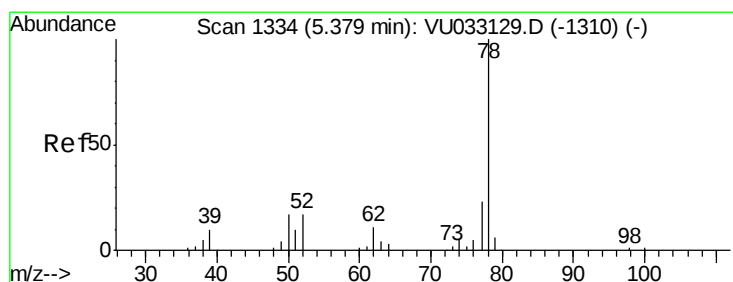
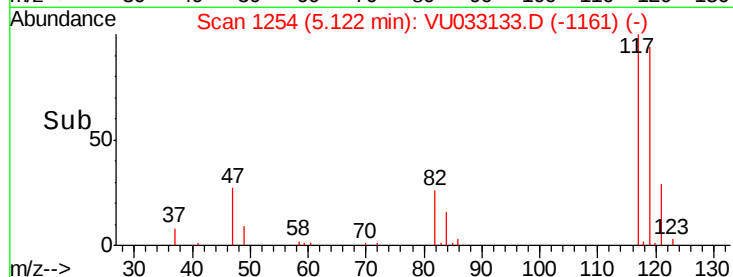
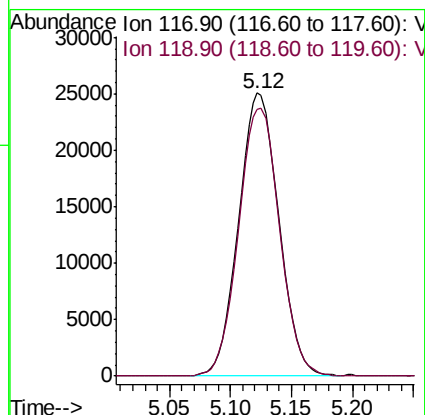
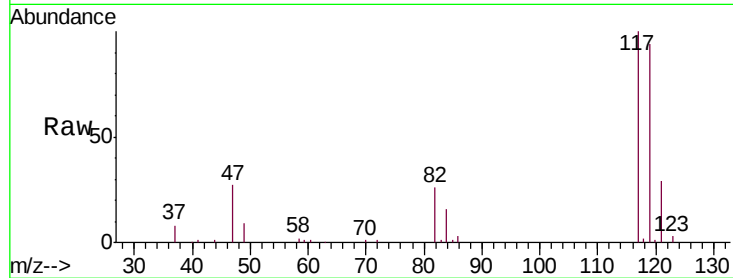
VSTD00510

Tgt Ion:117 Resp: 57092

Ion Ratio Lower Upper

117 100

119 96.6 78.3 117.5



#33

Benzene

Concen: 5.029 ug/L

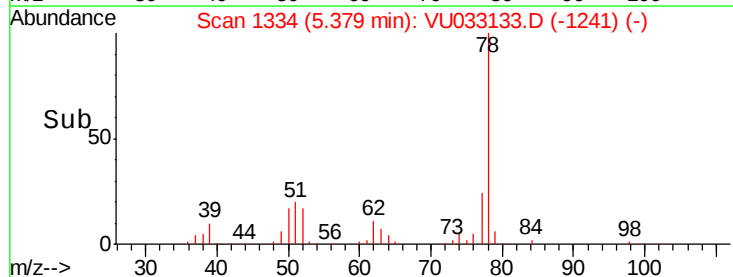
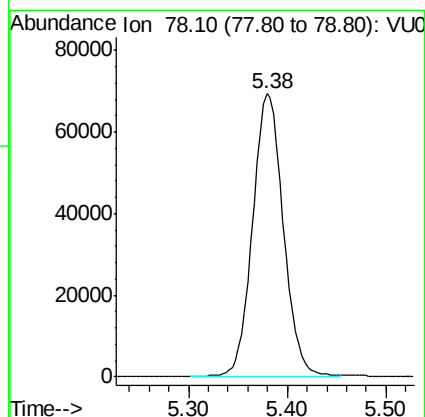
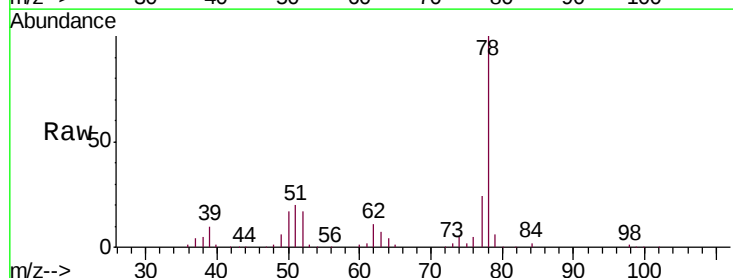
RT: 5.38 min Scan# 1334

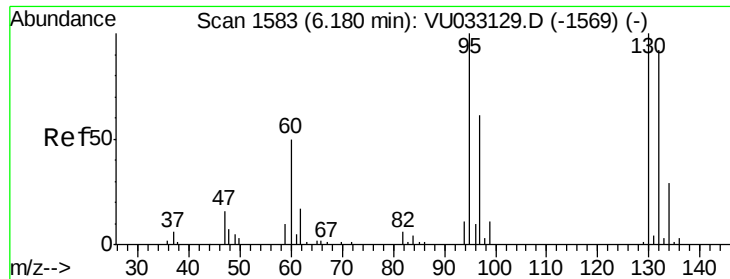
Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Tgt Ion: 78 Resp: 149387





#34

Trichloroethene

Concen: 4.970 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tgt Ion: 95 Resp: 40273

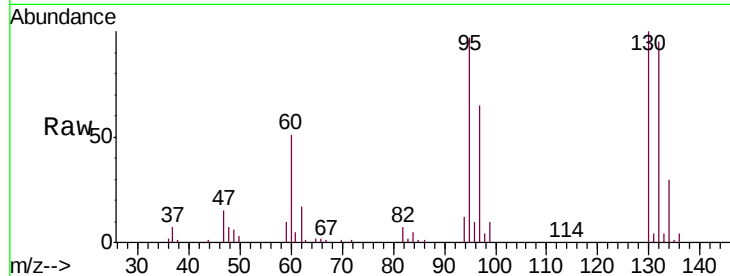
Ion Ratio Lower Upper

95 100

97 67.0 42.8 79.4

132 98.6 64.6 120.0

130 103.6 70.0 130.0

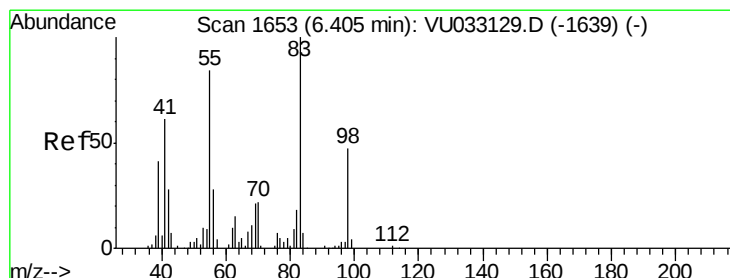
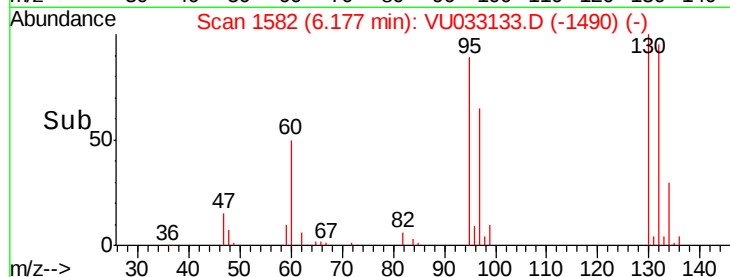
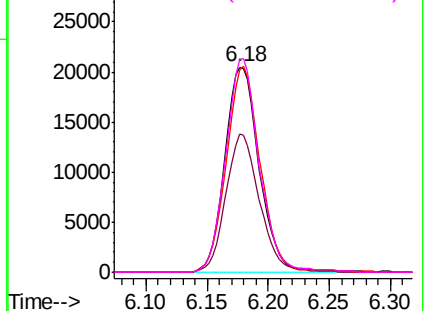


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.062 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

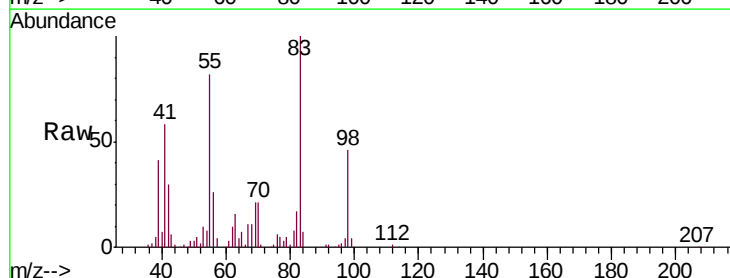
Tgt Ion: 83 Resp: 61014

Ion Ratio Lower Upper

83 100

55 81.8 66.5 99.7

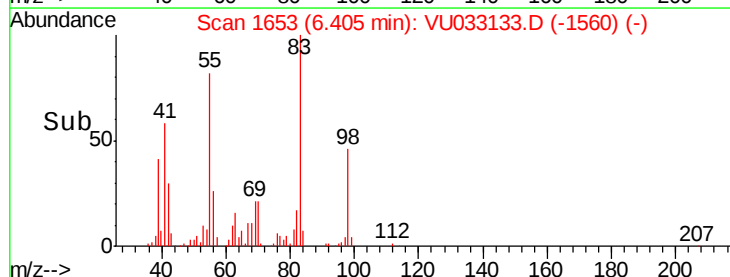
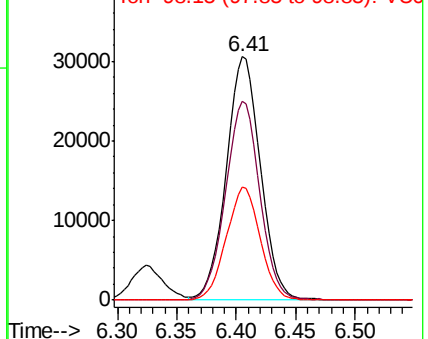
98 45.9 37.1 55.7

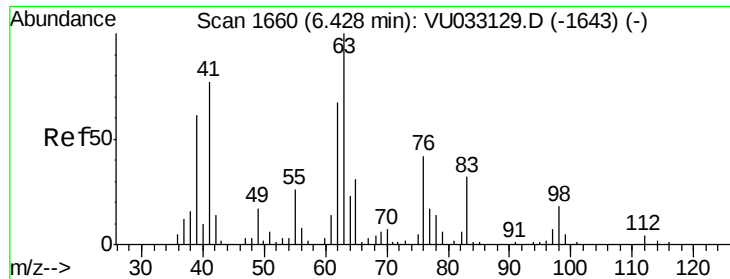


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

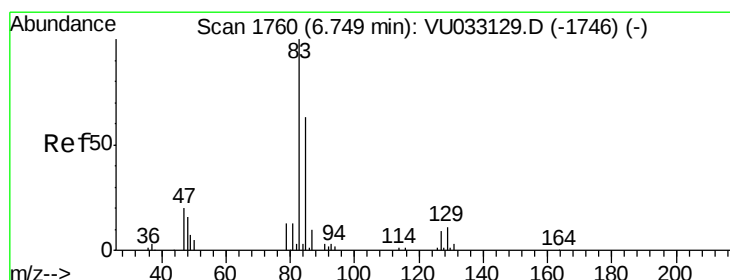
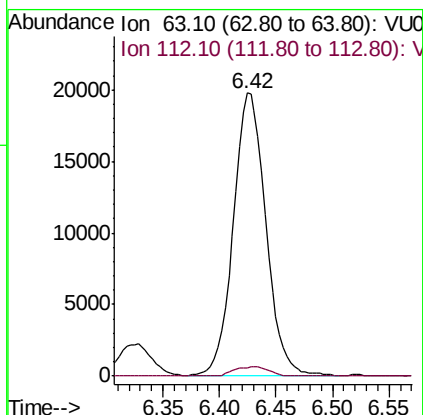
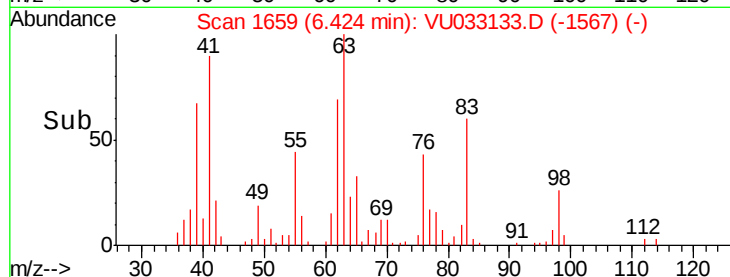
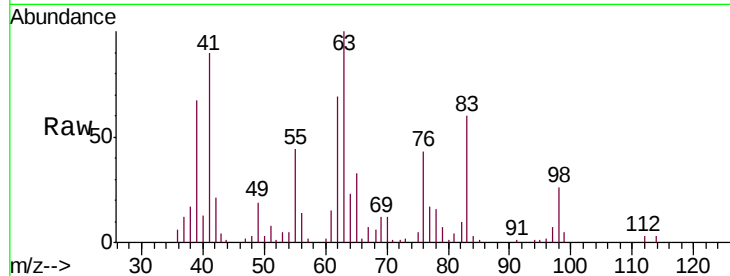




#37
 1,2-Dichloropropane
 Concen: 4.864 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

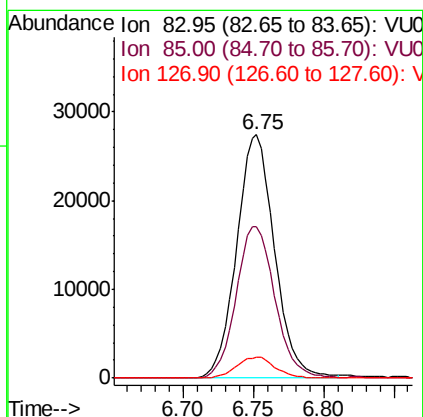
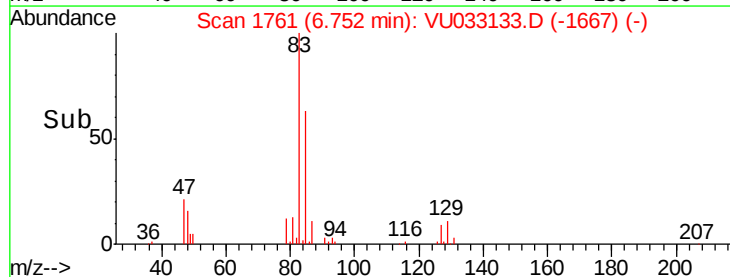
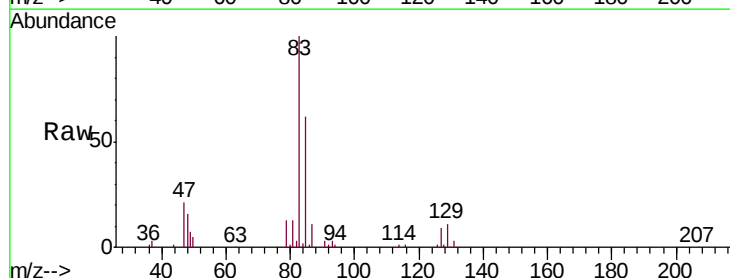
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

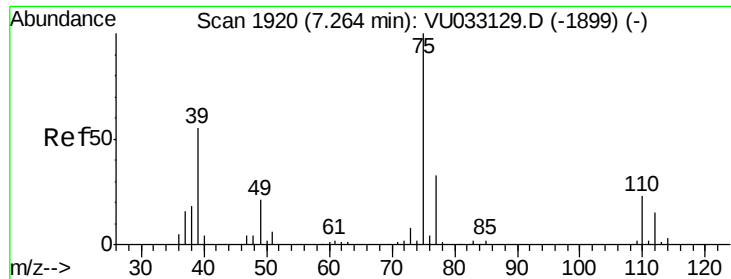
Tgt Ion: 63 Resp: 39755
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.852 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion: 83 Resp: 51737
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.8 81.4
 127 8.5 7.5 11.3

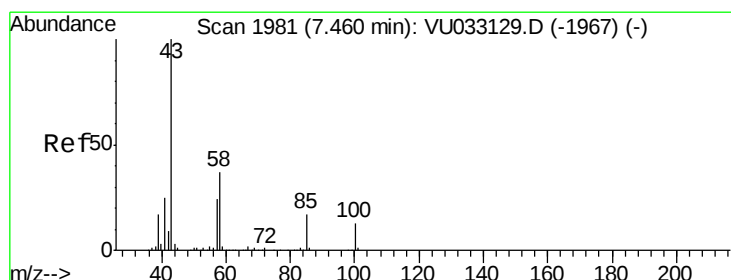
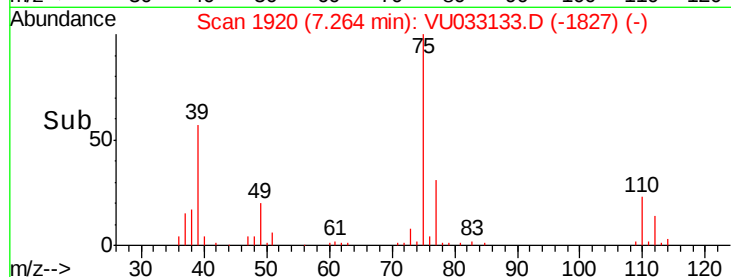
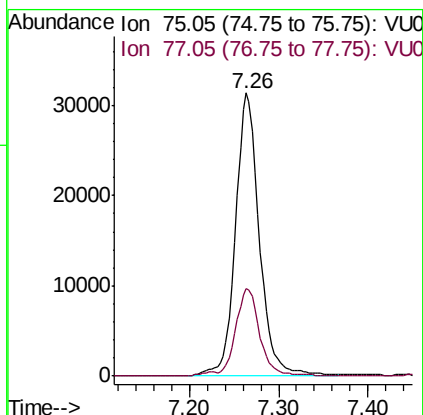
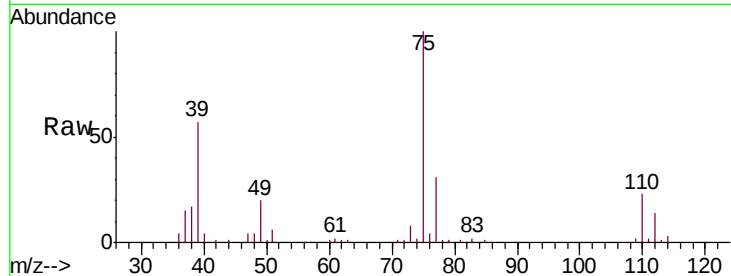




#39
 cis-1,3-Dichloropropene
 Concen: 5.072 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

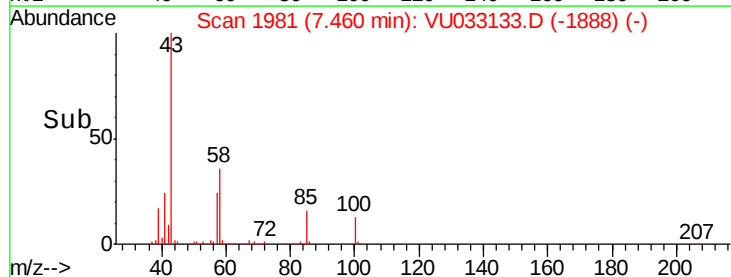
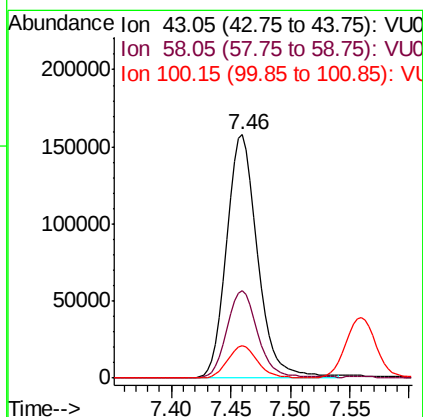
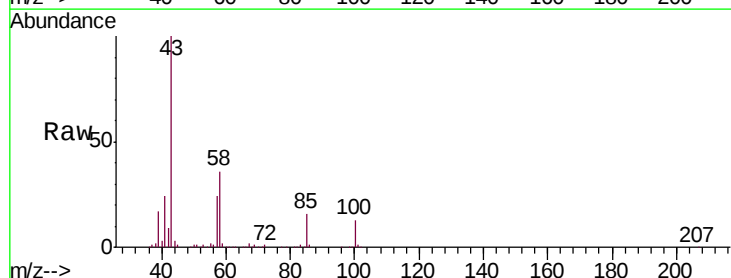
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

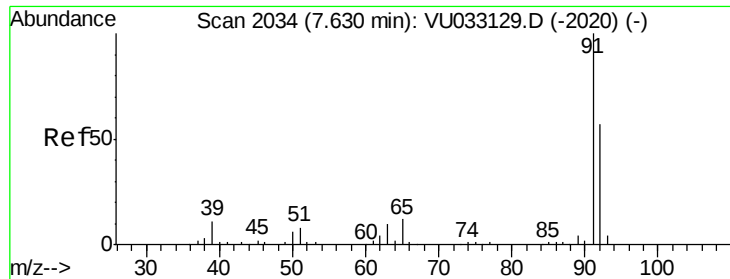
Tgt Ion: 75 Resp: 58456
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 50.413 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion: 43 Resp: 286005
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.5 42.7
 100 12.9 10.4 15.6





#42

Toluene

Concen: 5.044 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

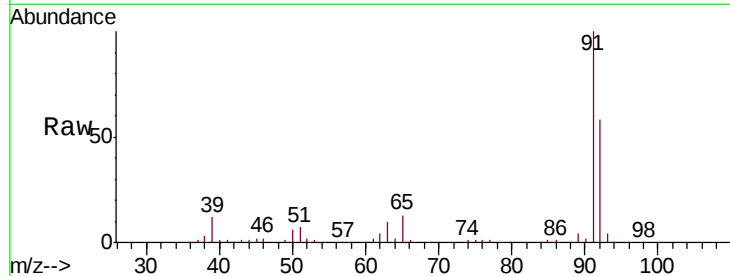
VSTD00510

Tgt Ion: 91 Resp: 161319

Ion Ratio Lower Upper

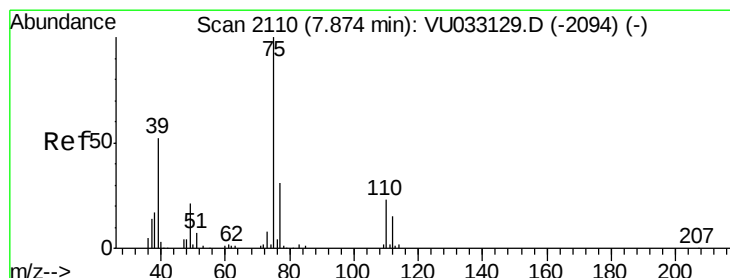
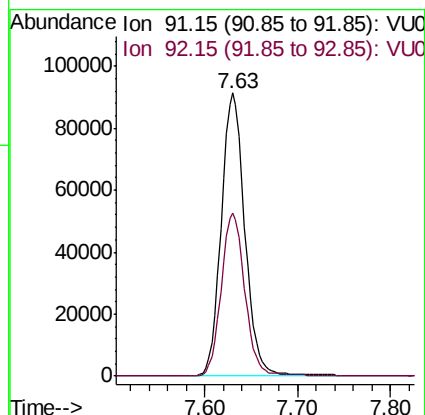
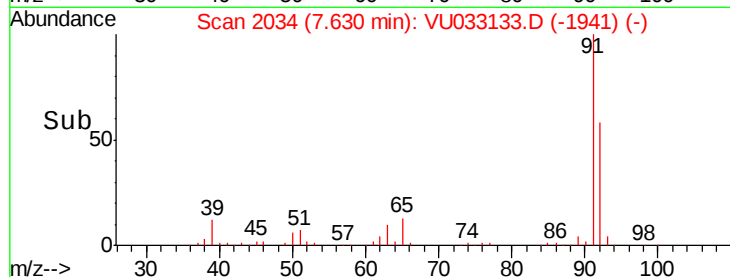
91 100

92 57.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033133.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU033133.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.051 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033133.D

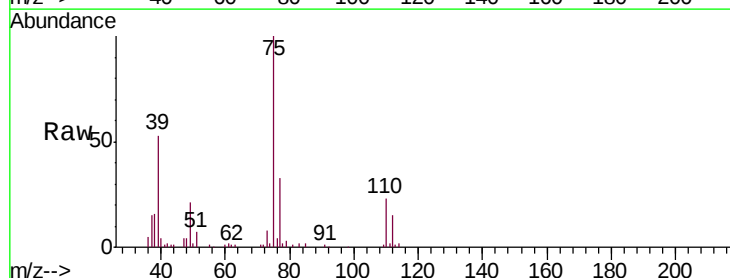
Acq: 02 Jul 2019 11:18

Tgt Ion: 75 Resp: 48488

Ion Ratio Lower Upper

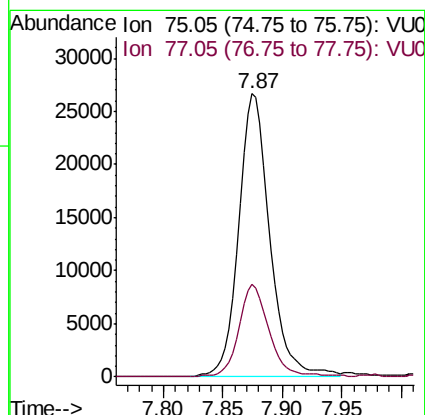
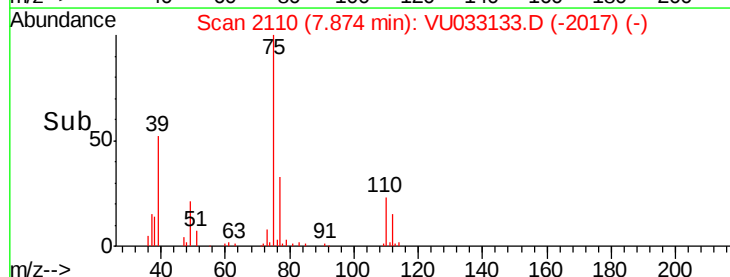
75 100

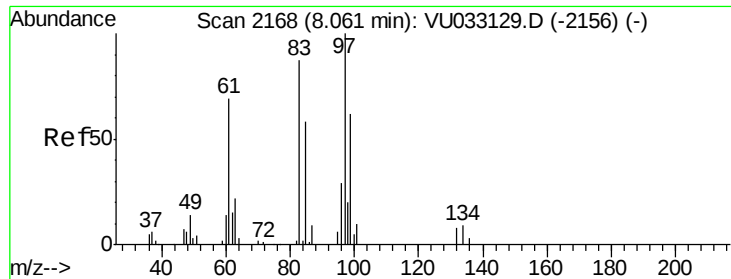
77 32.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033133.D (-2017) (-)

Ion 77.05 (76.75 to 77.75): VU033133.D (-2017) (-)

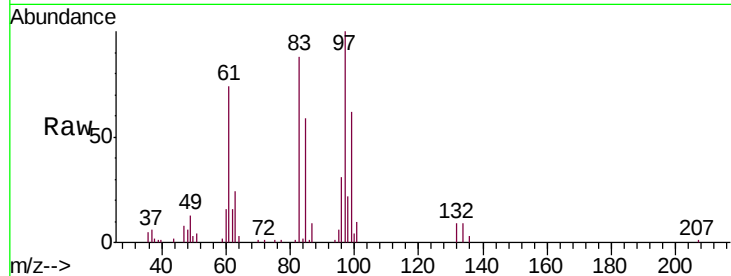




#45
 1,1,2-Trichloroethane
 Concen: 4.848 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:	97	Resp:	27778
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.5	80.7
83	88.2	60.8	112.8
85	59.0	40.7	75.7



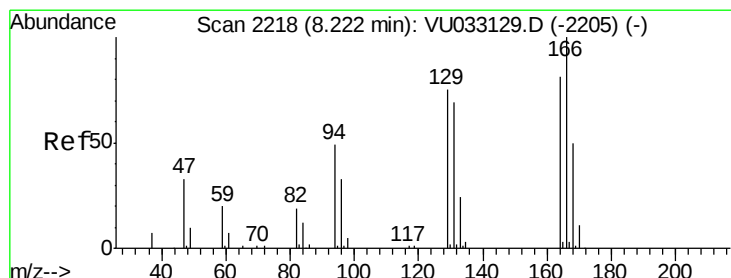
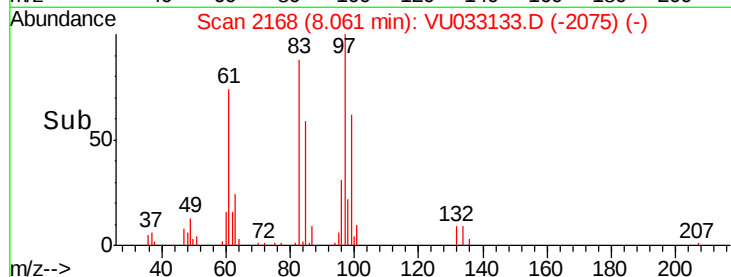
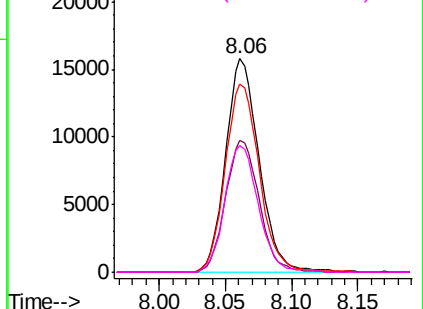
Abundance

Ion 96.95 (96.65 to 97.65): VU033129.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU033129.D (-2156) (-)

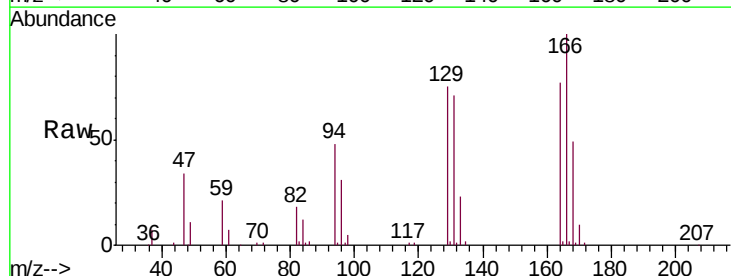
Ion 82.95 (82.65 to 83.65): VU033129.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU033129.D (-2156) (-)



#47
 Tetrachloroethene
 Concen: 4.955 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion:	164	Resp:	33354
Ion	Ratio	Lower	Upper
164	100		
129	97.5	65.3	121.3
131	91.1	60.3	112.1
166	129.2	86.9	161.3



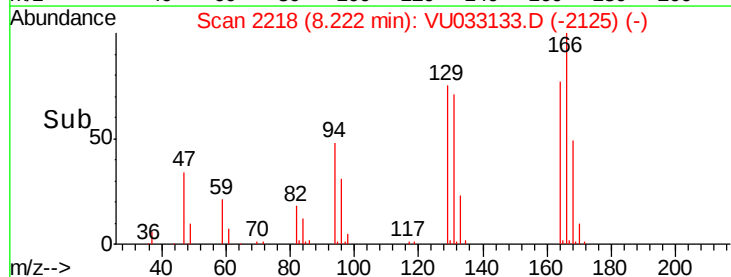
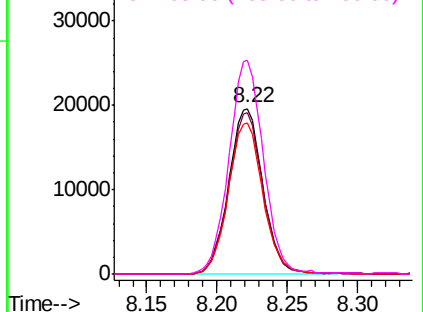
Abundance

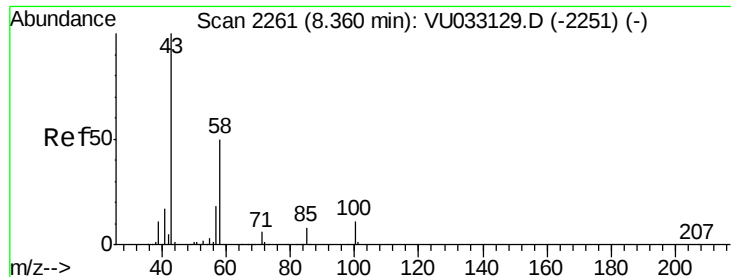
Ion 163.90 (163.60 to 164.60): VU033129.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU033129.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU033129.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU033129.D (-2205) (-)

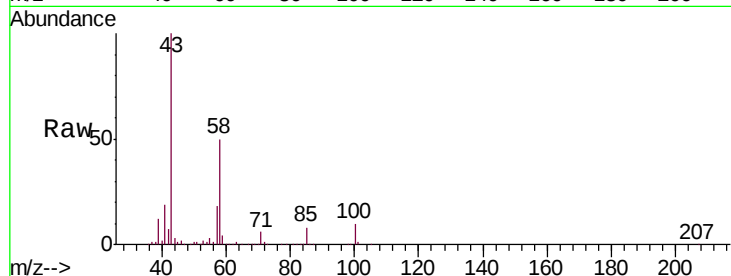




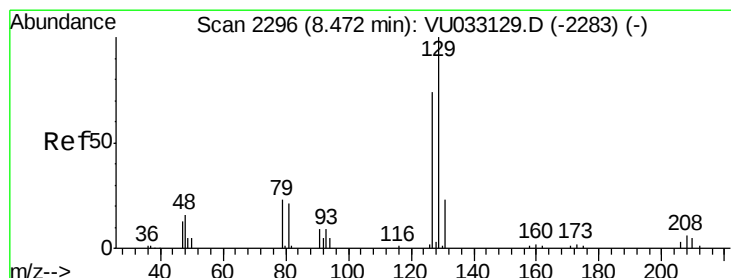
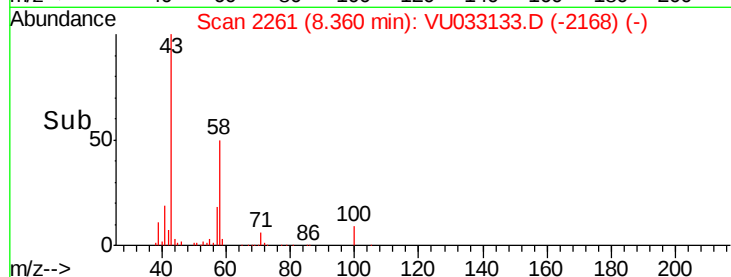
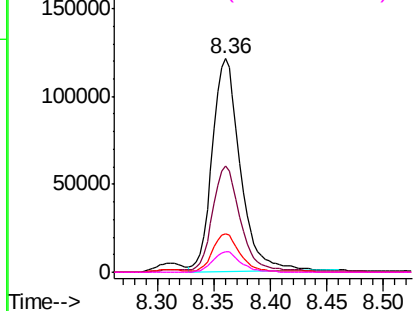
#48
2-Hexanone
Concen: 50.916 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:	43	Resp:	209538
Ion	Ratio	Lower	Upper
43	100		
58	50.2	39.0	58.6
57	17.9	13.9	20.9
100	9.8	8.6	12.8

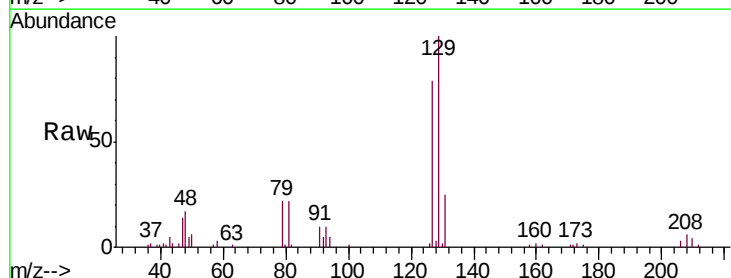


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

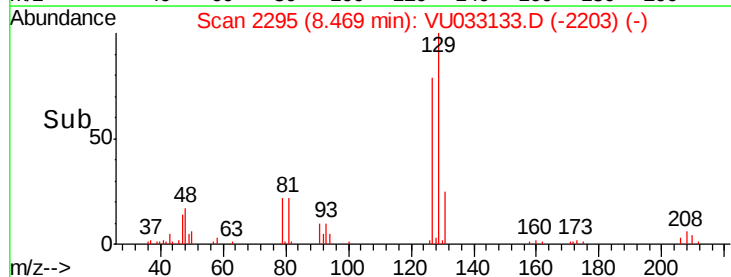
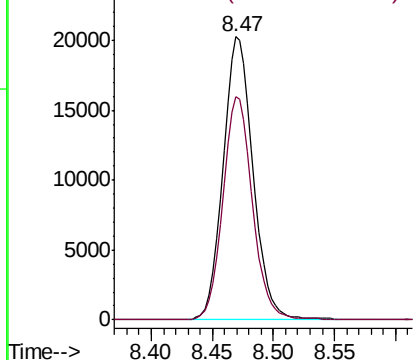


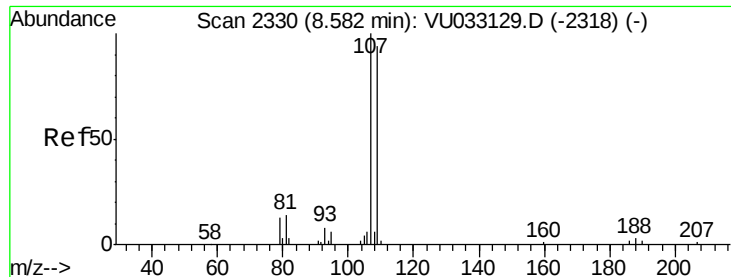
#49
Dibromochloromethane
Concen: 4.877 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion:	129	Resp:	34960
Ion	Ratio	Lower	Upper
129	100		
127	78.8	51.6	95.8



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

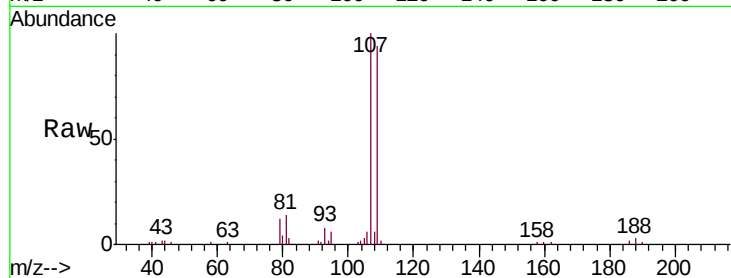




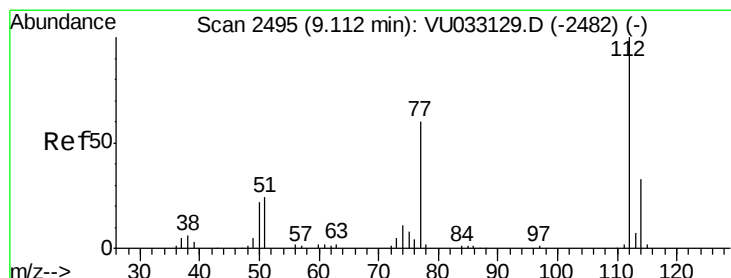
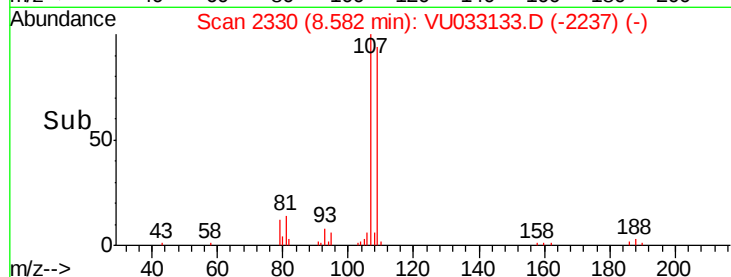
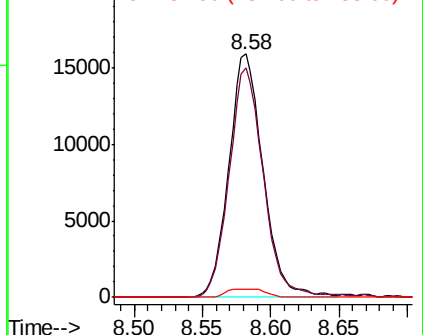
#50
1,2-Dibromoethane
Concen: 5.070 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:107 Resp: 27798
Ion Ratio Lower Upper
107 100
109 94.1 65.5 121.7
188 3.1 2.5 3.7

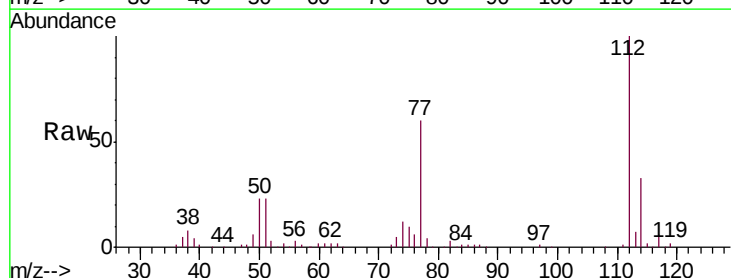


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

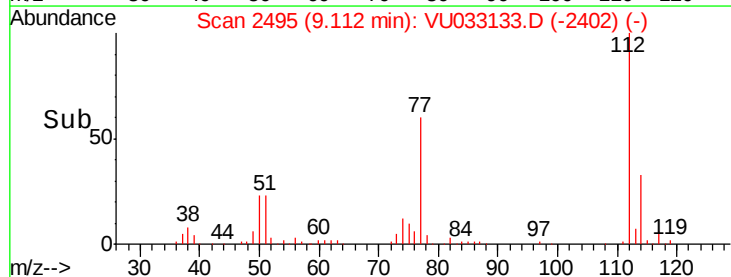
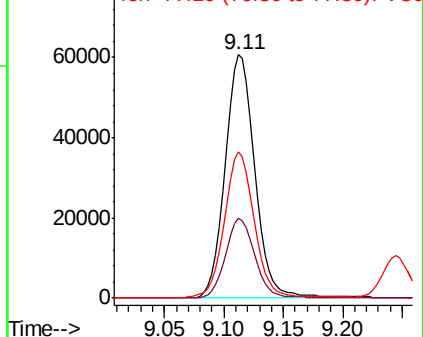


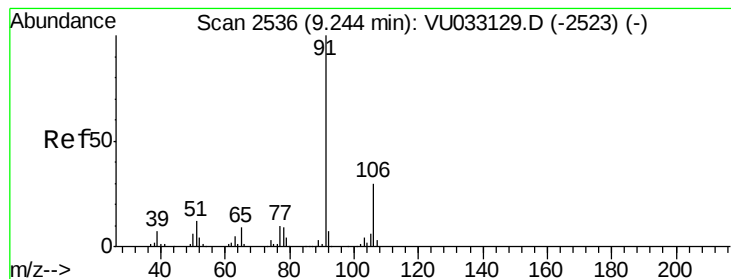
#51
Chlorobenzene
Concen: 4.982 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion:112 Resp: 105022
Ion Ratio Lower Upper
112 100
114 32.7 23.0 42.6
77 60.2 48.3 72.5



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





#52

Ethylbenzene

Concen: 5.000 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

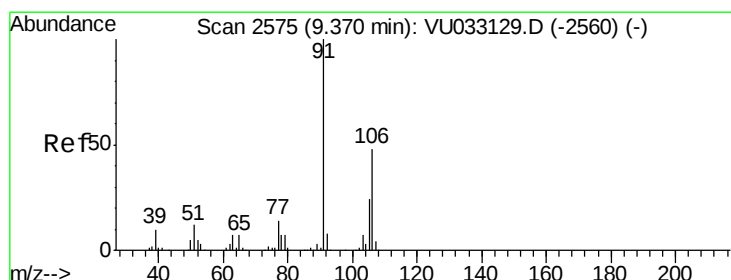
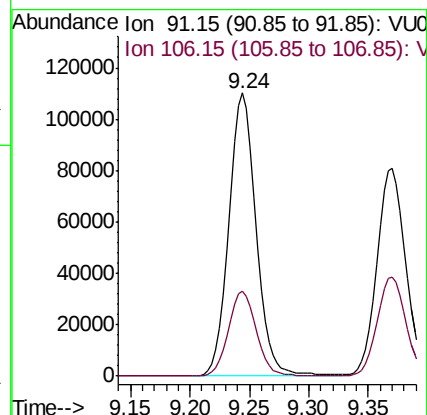
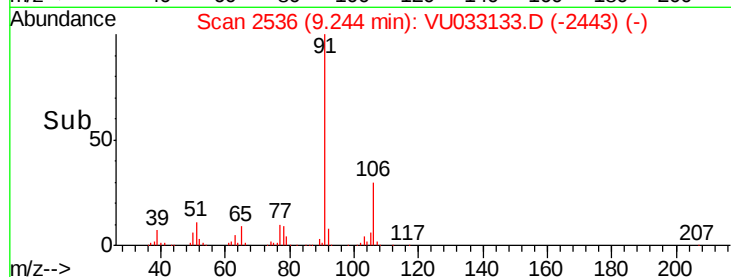
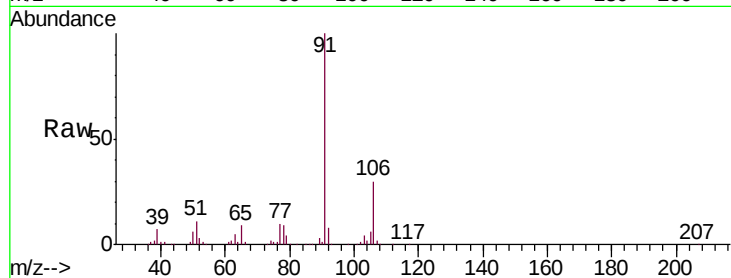
VSTD00510

Tgt Ion: 91 Resp: 175165

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4



#53

m,p-Xylene

Concen: 5.105 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033133.D

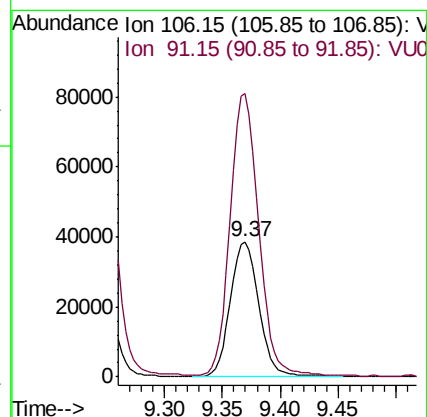
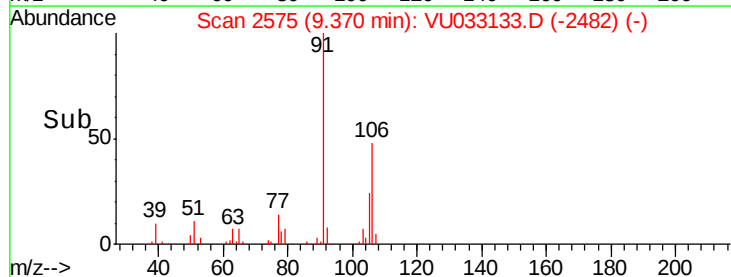
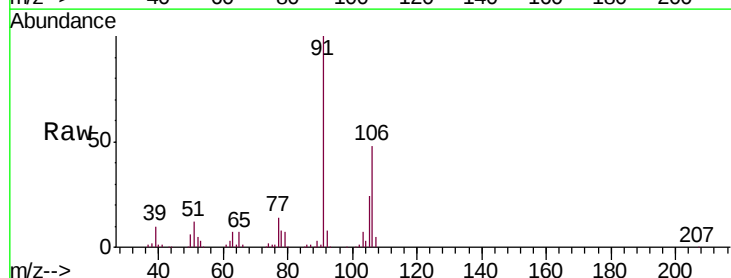
Acq: 02 Jul 2019 11:18

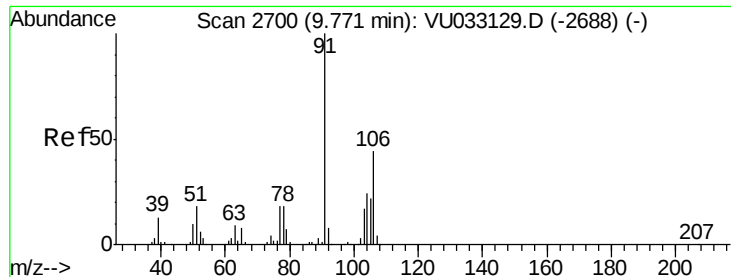
Tgt Ion: 106 Resp: 65312

Ion Ratio Lower Upper

106 100

91 209.1 145.6 270.4

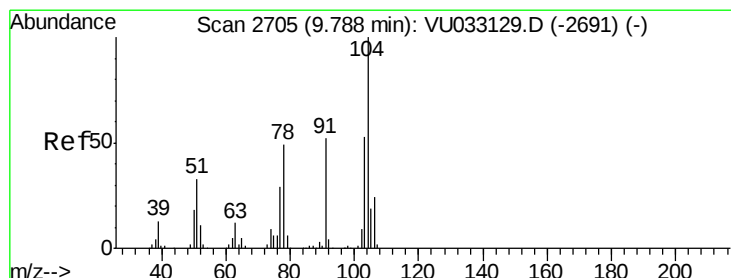
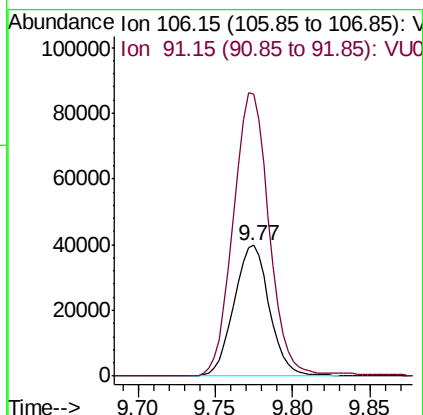
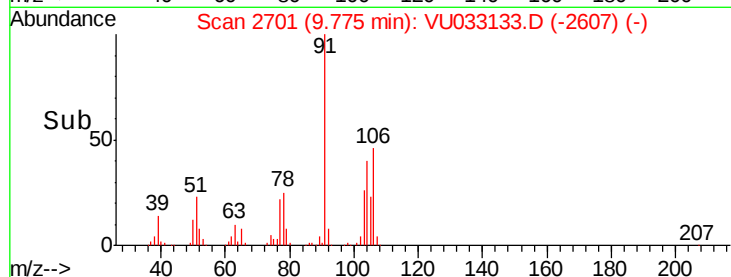
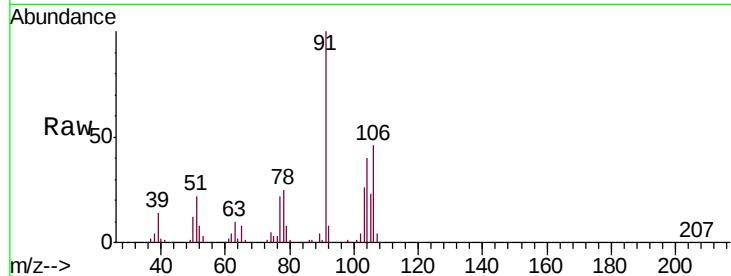




#54
o-Xylene
Concen: 5.081 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

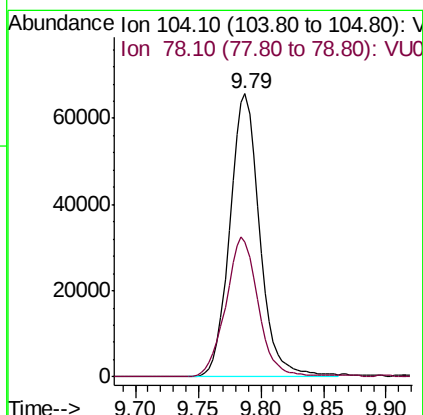
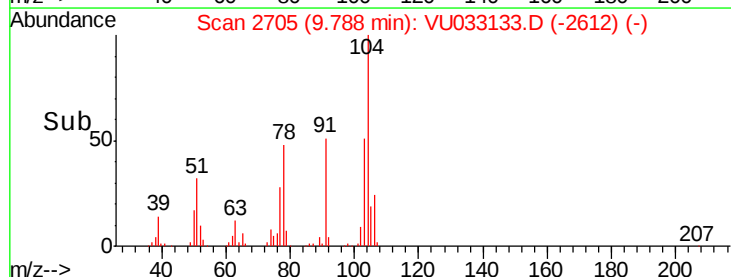
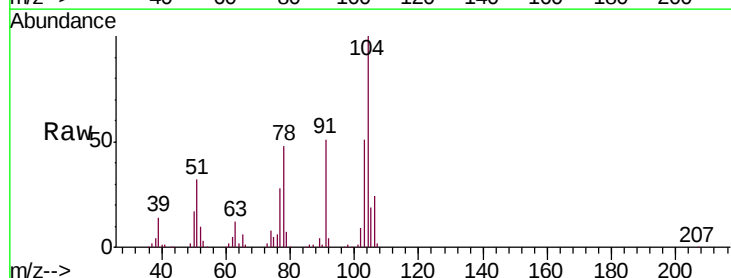
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

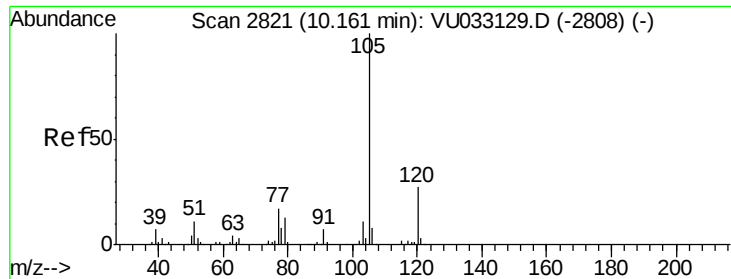
Tgt Ion:106 Resp: 63432
Ion Ratio Lower Upper
106 100
91 216.2 159.2 295.6



#55
Styrene
Concen: 5.177 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU033133.D
Acq: 02 Jul 2019 11:18

Tgt Ion:104 Resp: 109032
Ion Ratio Lower Upper
104 100
78 47.7 34.6 64.3





#56

Isopropylbenzene

Concen: 5.177 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

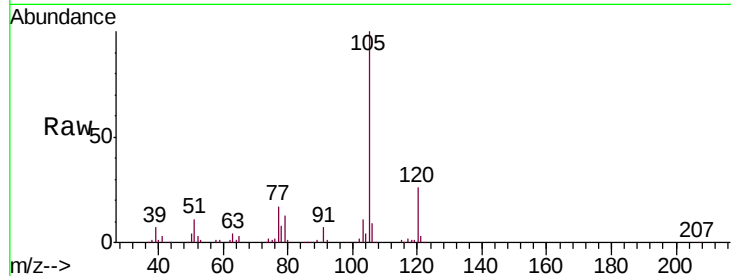
Tgt Ion: 105 Resp: 173855

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

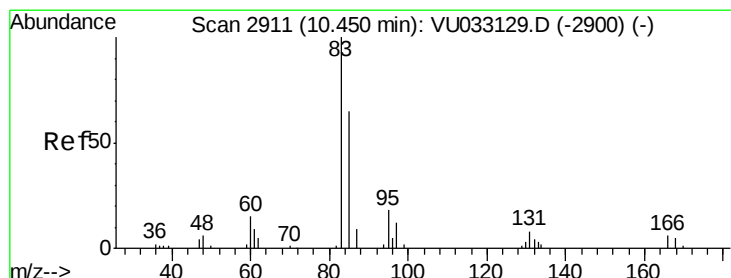
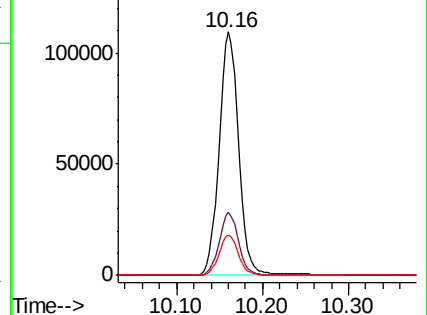
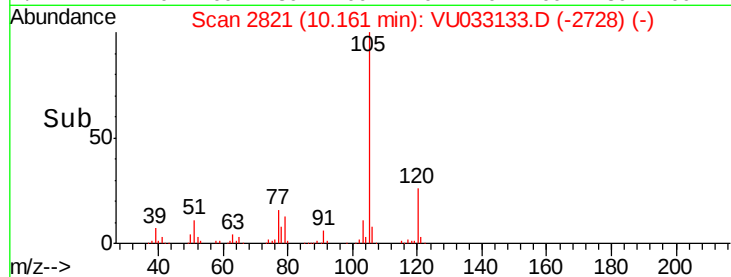
77 16.6 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.012 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

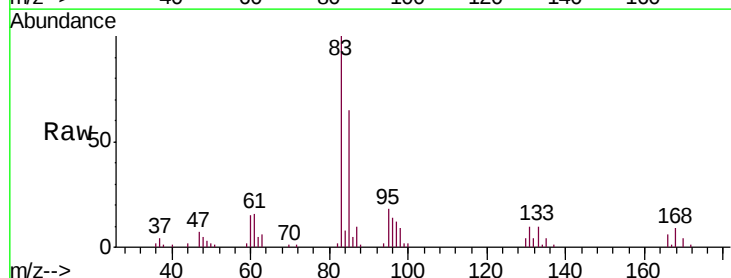
Tgt Ion: 83 Resp: 36458

Ion Ratio Lower Upper

83 100

85 65.3 46.2 85.8

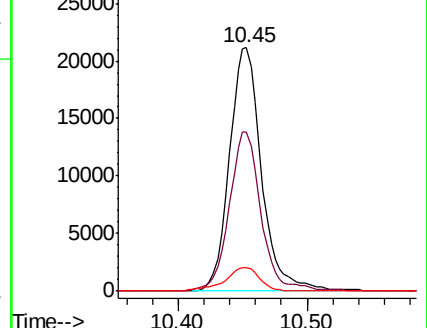
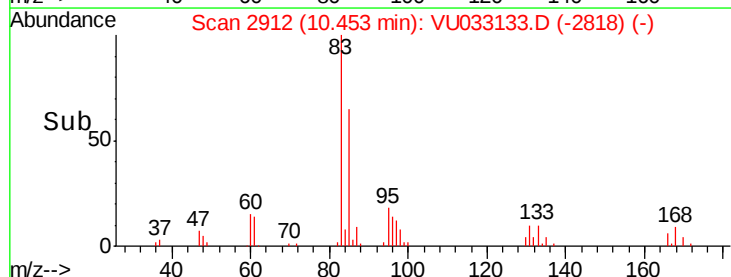
131 9.7 7.3 10.9

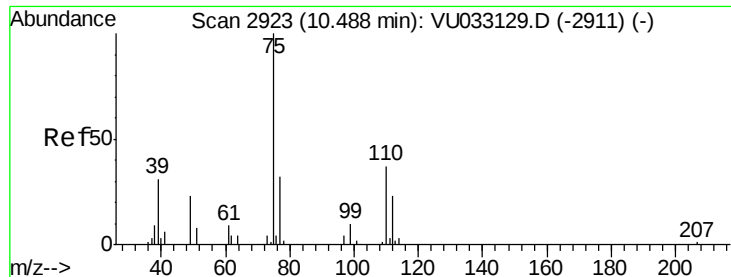


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

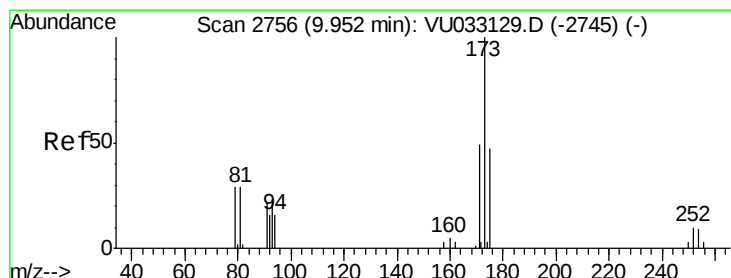
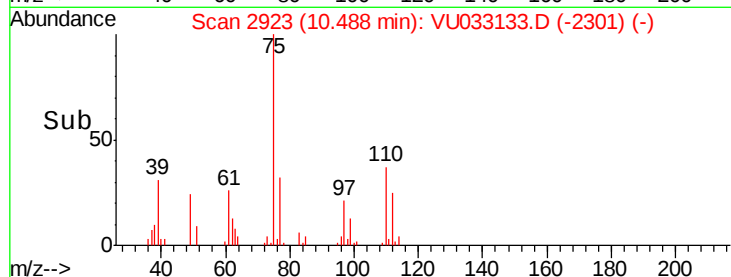
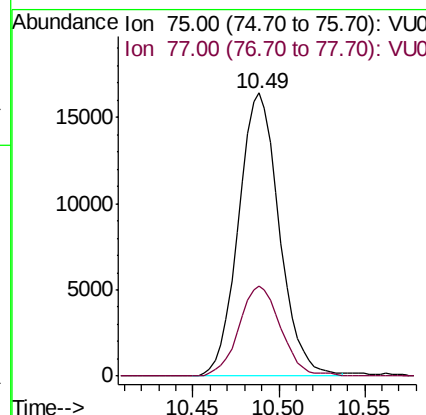
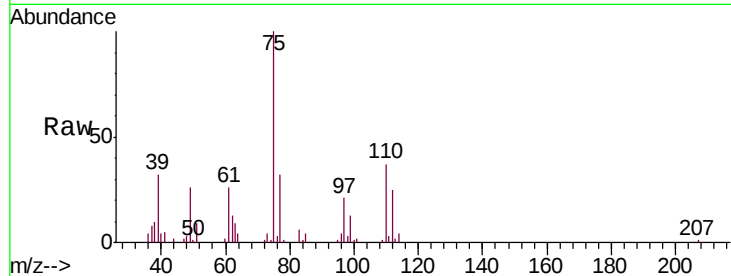




#59
 1,2,3-Trichloropropane
 Concen: 4.869 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

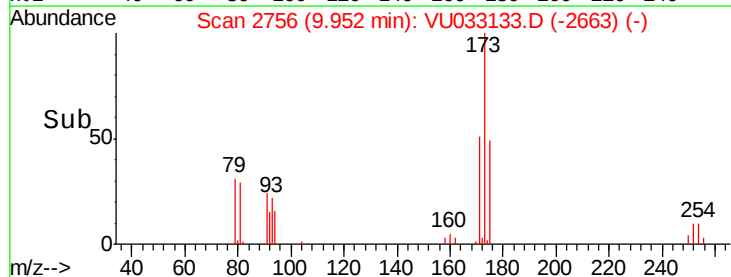
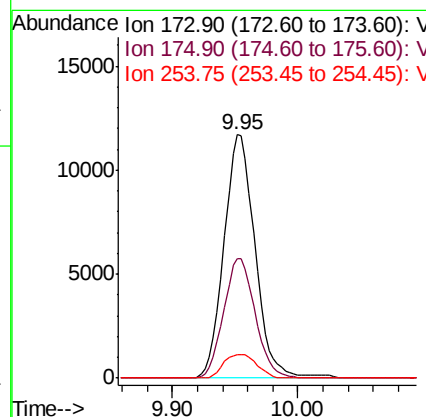
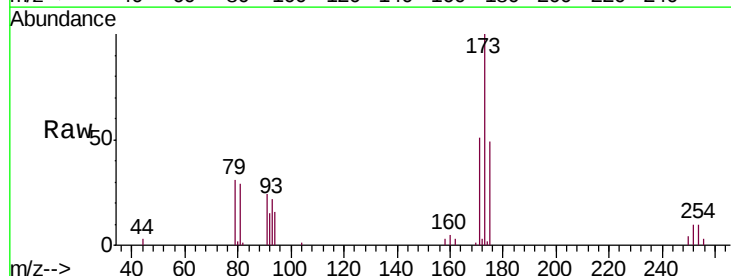
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

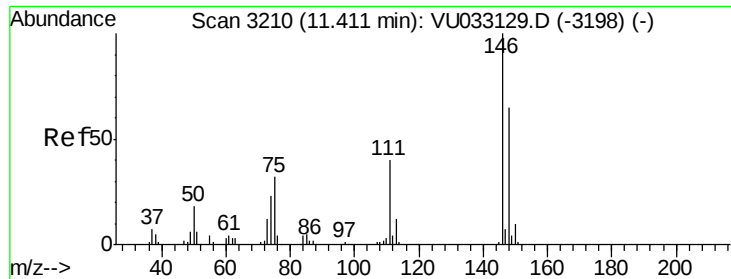
Tgt Ion: 75 Resp: 27069
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.8



#61
 Bromoform
 Concen: 4.909 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion: 173 Resp: 20104
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.2 57.2
 254 10.2 6.9 10.3

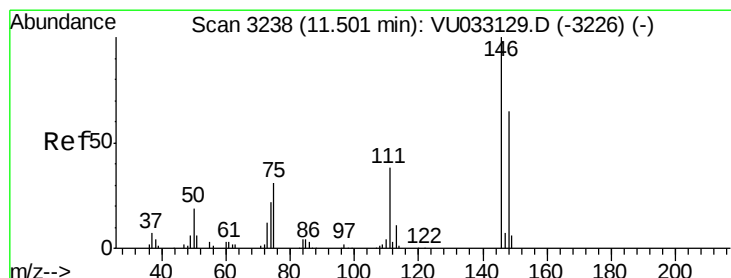
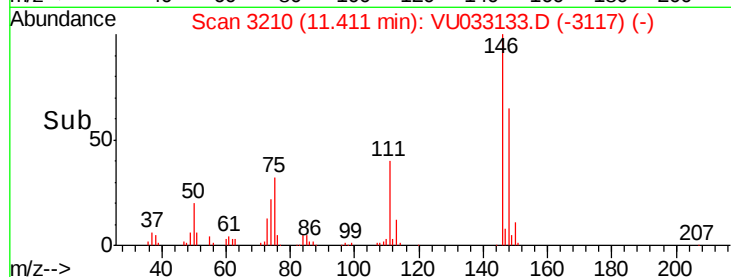
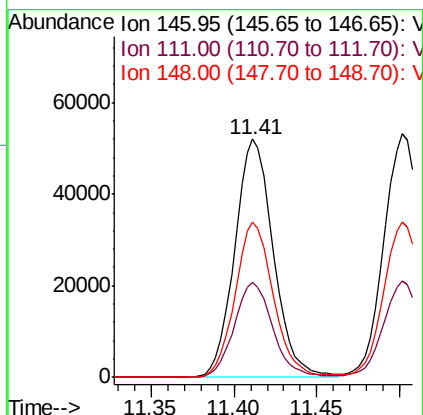
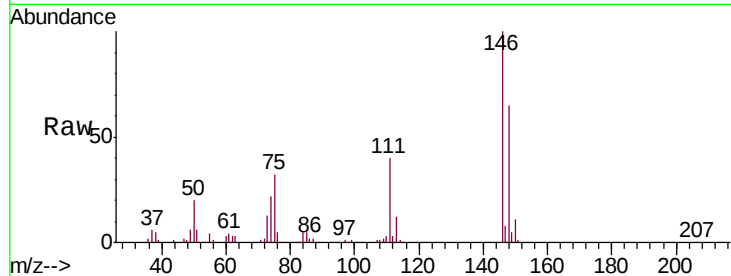




#62
 1,3-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

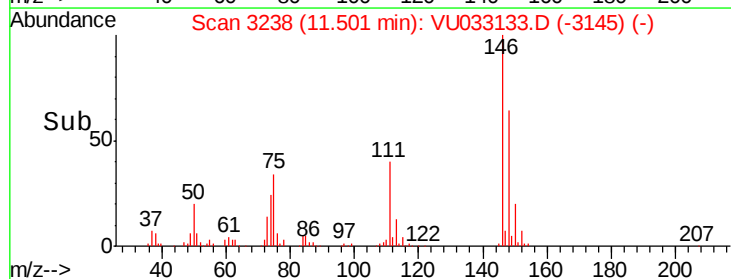
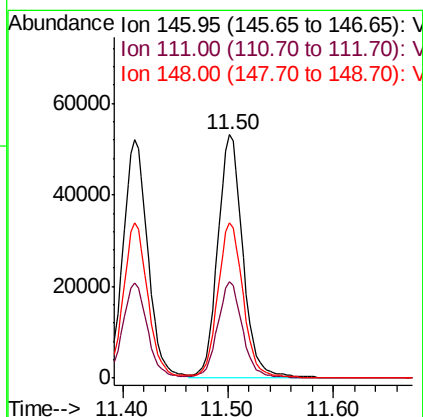
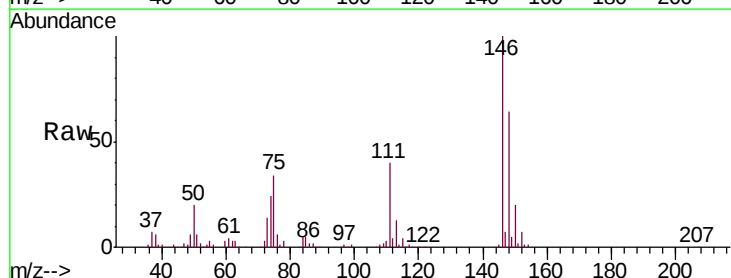
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

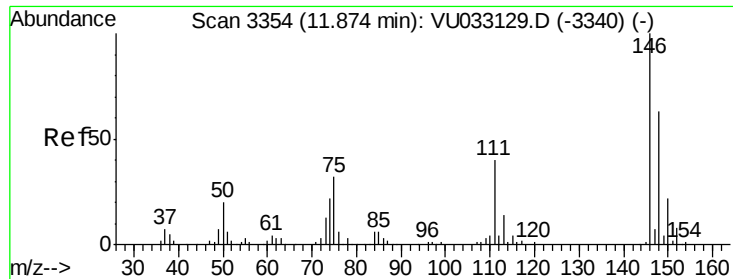
Tgt Ion:146 Resp: 84311
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.2 52.4
 148 65.3 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.930 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion:146 Resp: 87090
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.0 50.2
 148 63.8 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 5.020 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

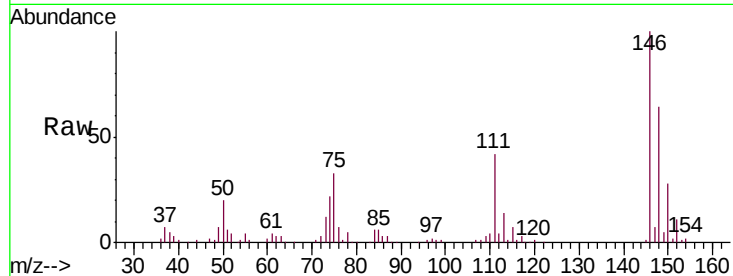
Tgt Ion:146 Resp: 83541

Ion Ratio Lower Upper

146 100

111 42.1 31.8 47.8

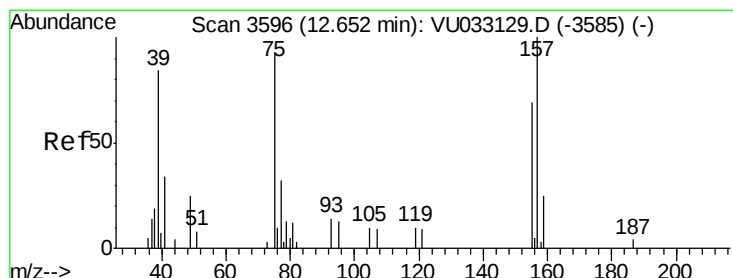
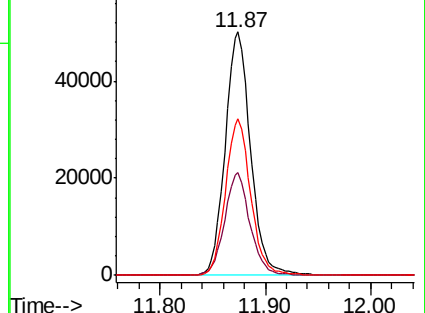
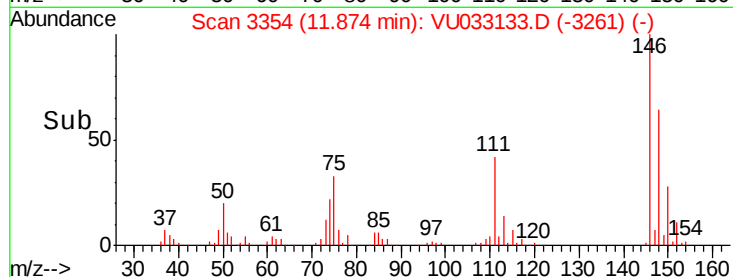
148 64.1 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.118 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

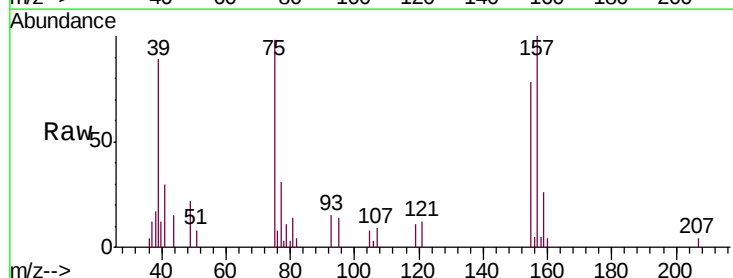
Tgt Ion: 75 Resp: 5850

Ion Ratio Lower Upper

75 100

155 80.4 59.5 89.3

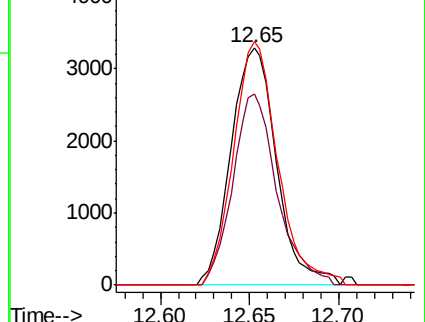
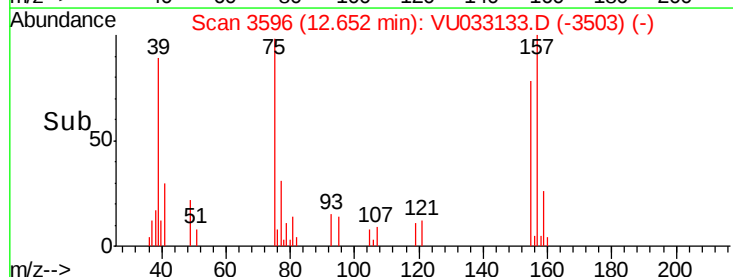
157 102.5 86.2 129.4

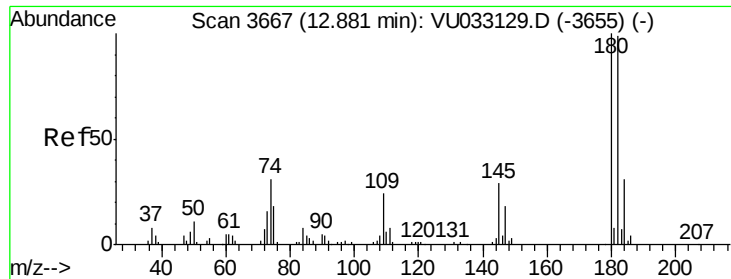


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

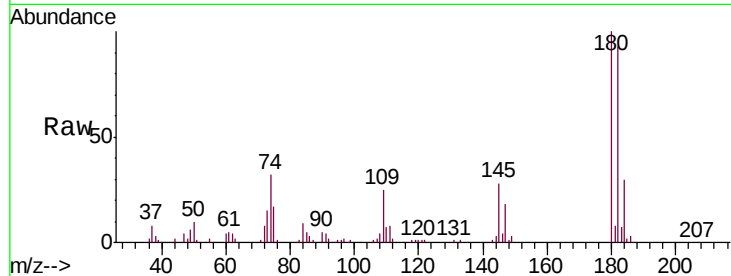




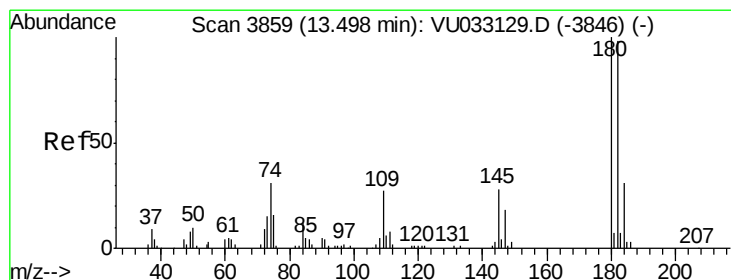
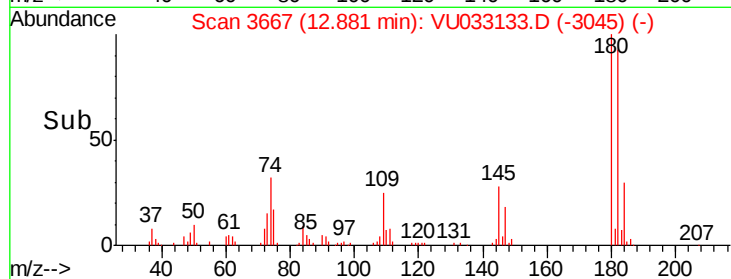
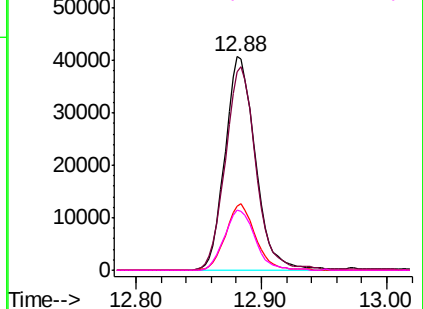
#67
 1,3,5-Trichlorobenzene
 Concen: 5.155 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:180 Resp: 68602
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.3 117.5
 184 30.3 24.2 36.2
 145 28.4 23.4 35.2

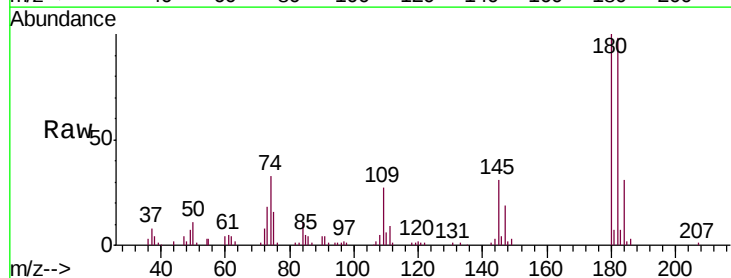


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

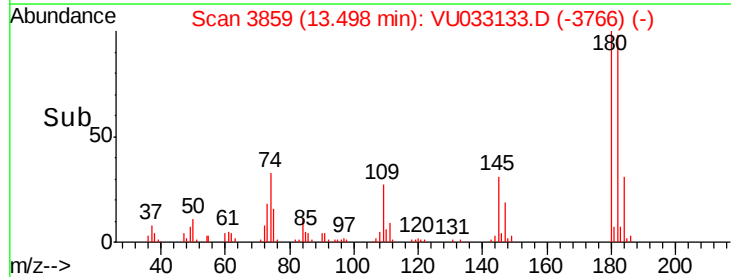
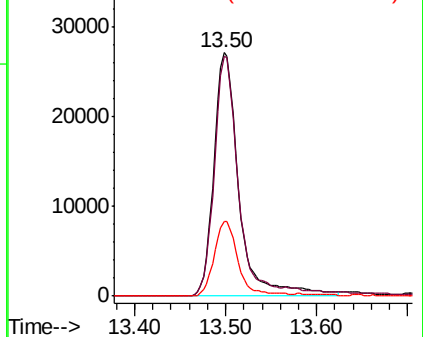


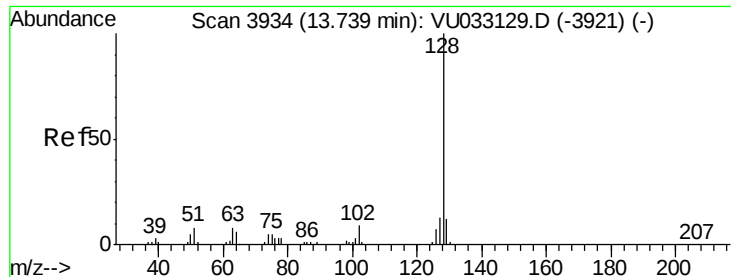
#68
 1,2,4-trichlorobenzene
 Concen: 5.521 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033133.D
 Acq: 02 Jul 2019 11:18

Tgt Ion:180 Resp: 52282
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.7 113.5
 145 29.3 23.1 34.7



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: 5.453 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

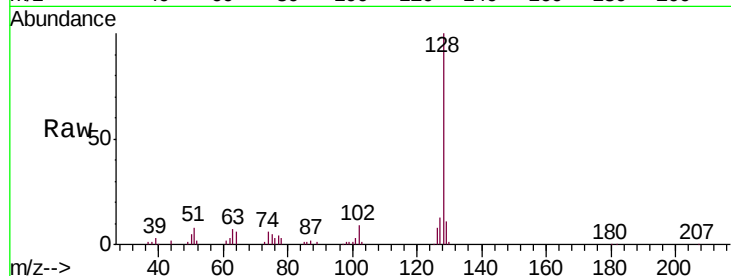
Tgt Ion:128 Resp: 75652

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

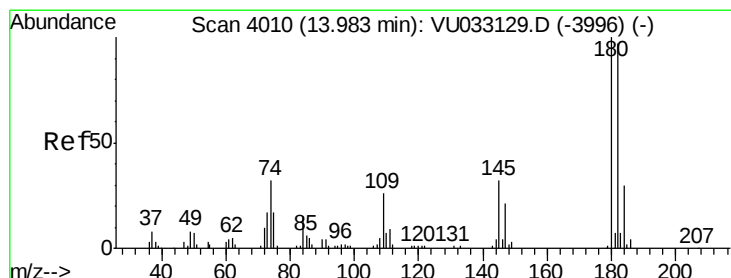
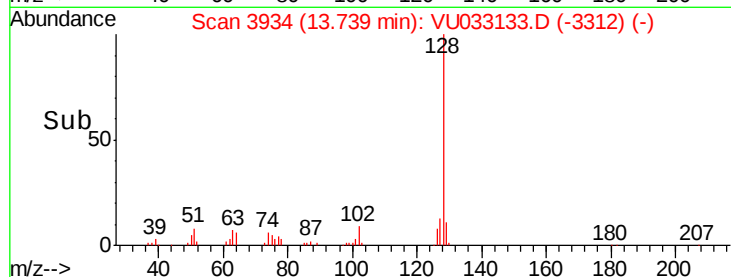
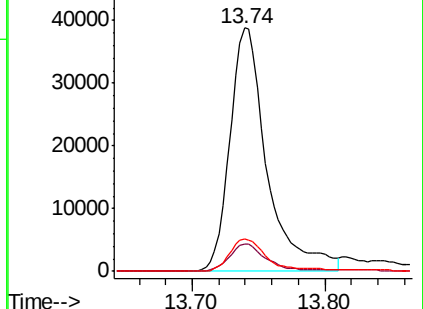
127 12.6 10.2 15.4



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: 5.451 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033133.D

Acq: 02 Jul 2019 11:18

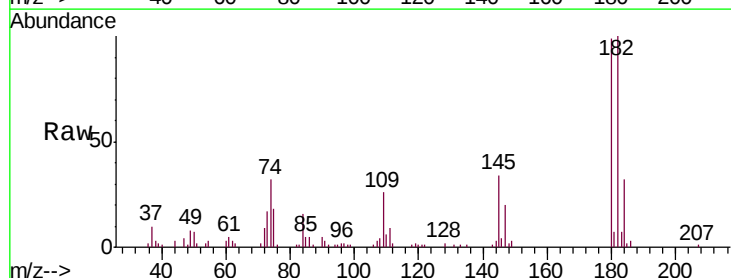
Tgt Ion:180 Resp: 49079

Ion Ratio Lower Upper

180 100

182 95.4 79.9 119.9

145 31.9 25.4 38.2



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

