

Data File : VU032245.D
Acq On : 23 May 2019 01:00
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: May 23 01:54:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:46:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	389416	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	397939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175762	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	95304	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.68	69	92879	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.27	63	180945	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.20	46	298600	48.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.80%
24) Chloroform-d	4.64	84	262355	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.31	65	141693	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.33	84	508917	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.33	67	169449	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.56	98	509434	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	63529	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.31	63	270788	51.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	171227	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	230675	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	79794	4.793 ug/L	100
3) Chloromethane	1.32	50	79357	4.754 ug/L	98
5) Vinyl chloride	1.40	62	85569	5.077 ug/L	97
6) Bromomethane	1.63	94	53406	5.001 ug/L	100
8) Chloroethane	1.70	64	47594	4.448 ug/L	99
9) Trichlorofluoromethane	1.88	101	107850	4.936 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	68045	4.935 ug/L	98
12) 1,1-Dichloroethene	2.28	96	67218	4.850 ug/L	92
13) Acetone	2.34	43	89711	46.938 ug/L	95
14) Carbon disulfide	2.47	76	208023	4.845 ug/L	99
15) Methyl Acetate	2.62	43	25454	4.539 ug/L	91
16) Methylene chloride	2.69	84	70824	3.831 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	158496	5.073 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	72935	4.903 ug/L	94
19) 1,1-Dichloroethane	3.44	63	115986	5.049 ug/L	99
21) 2-Butanone	4.29	43	146506	50.811 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	71901	4.952 ug/L	99

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: May 23 01:54:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:46:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33542	5.227	ug/L	95
25) Chloroform	4.67	83	126240	5.088	ug/L	97
27) 1,2-Dichloroethane	5.40	62	71459	4.949	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	101700	4.924	ug/L	99
30) Cyclohexane	4.98	56	87753	4.545	ug/L	96
31) Carbon tetrachloride	5.13	117	87606	4.815	ug/L	98
33) Benzene	5.39	78	270541	5.026	ug/L	100
34) Trichloroethene	6.18	95	68794	4.762	ug/L	96
35) Methylcyclohexane	6.41	83	94022	4.418	ug/L	99
37) 1,2-Dichloropropane	6.43	63	62168	4.797	ug/L	99
38) Bromodichloromethane	6.76	83	82682	4.909	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	83322	4.515	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	323683	49.408	ug/L	98
42) Toluene	7.63	91	294466	5.148	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	69766	4.811	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	49400	4.936	ug/L	96
47) Tetrachloroethene	8.22	164	62921	5.276	ug/L	95
48) 2-Hexanone	8.36	43	262161	52.173	ug/L	99
49) Dibromochloromethane	8.47	129	58883	5.169	ug/L	99
50) 1,2-Dibromoethane	8.58	107	47557	5.040	ug/L	96
51) Chlorobenzene	9.12	112	181920	4.970	ug/L	99
52) Ethylbenzene	9.25	91	278618	4.839	ug/L	95
53) m,p-Xylene	9.37	106	105136	4.911	ug/L	100
54) o-Xylene	9.78	106	105835	4.947	ug/L	95
55) Styrene	9.79	104	179293	5.009	ug/L	99
56) Isopropylbenzene	10.16	105	264950	4.899	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	59704	4.953	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	41040	4.862	ug/L	94
61) Bromoform	9.95	173	32627	5.183	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	128566	4.951	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	135327	4.969	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	136028	5.164	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	8950	5.262	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	102741	5.199	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	71360	5.121	ug/L	99
69) Naphthalene	13.74	128	101068	4.741	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	71518	4.849	ug/L	96

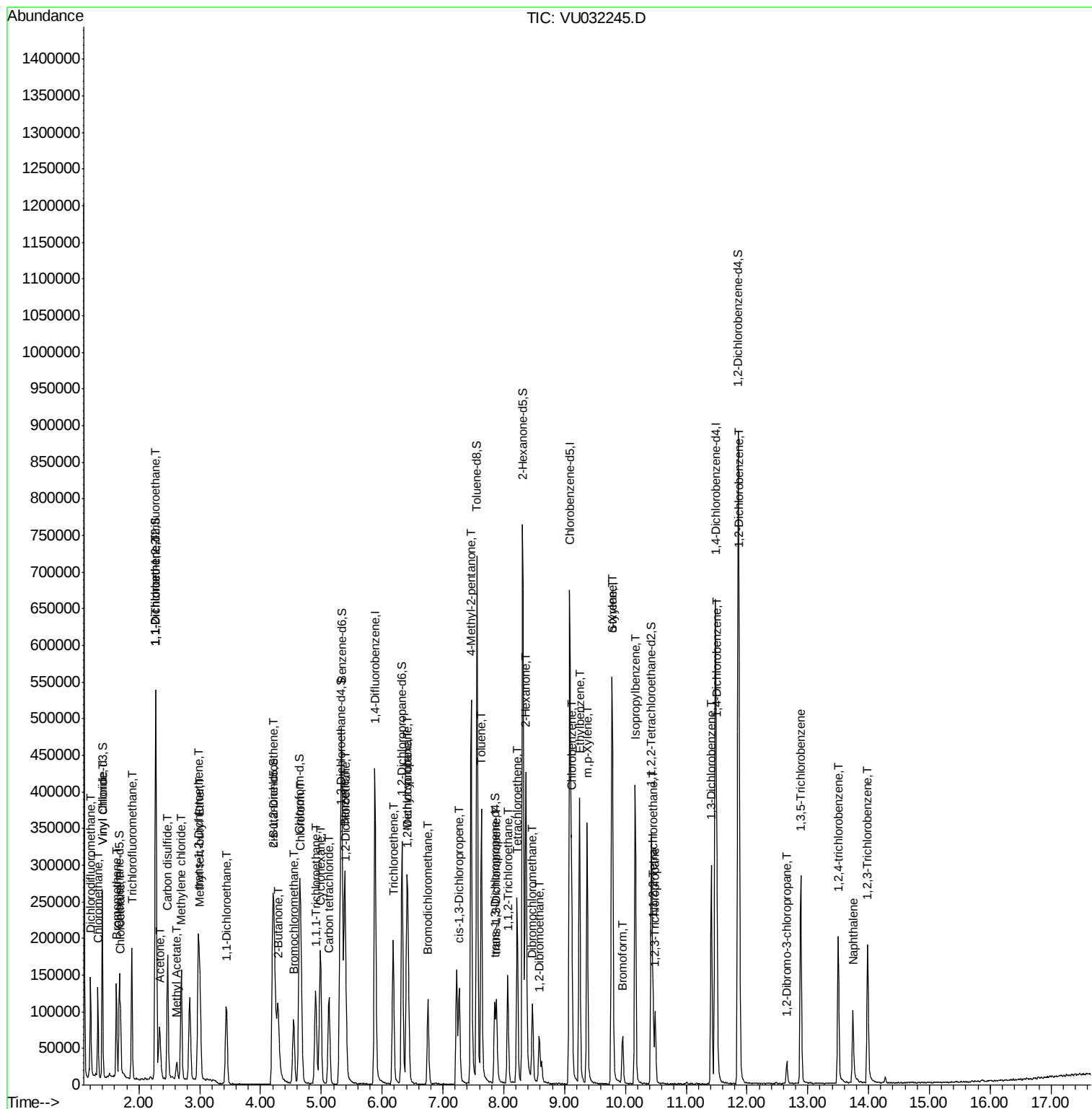
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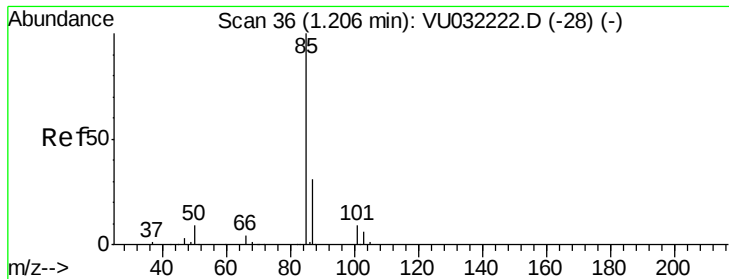
Data File : VU032245.D

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Acq On       : 23 May 2019   01:00
Operator    : JC/SP
Sample      : VSTDCCC005
Misc        : 25.0mL/MSVOA_U/WATER
ALS Vial    : 32      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: May 23 01:54:37 2019
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#2

Dichlorodifluoromethane

Concen: 4.793 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

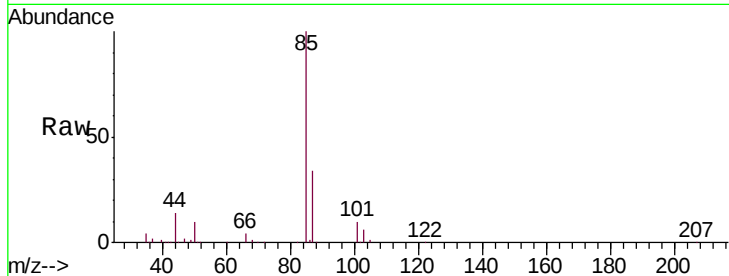
VSTD00511

Tgt Ion: 85 Resp: 79794

Ion Ratio Lower Upper

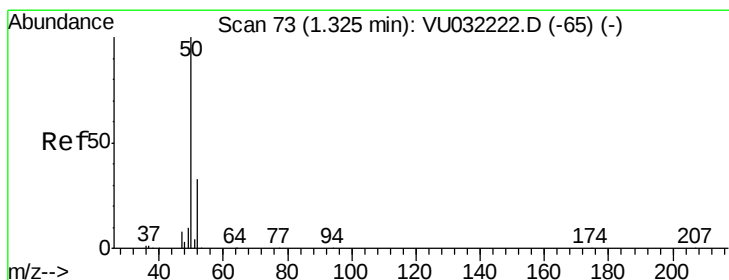
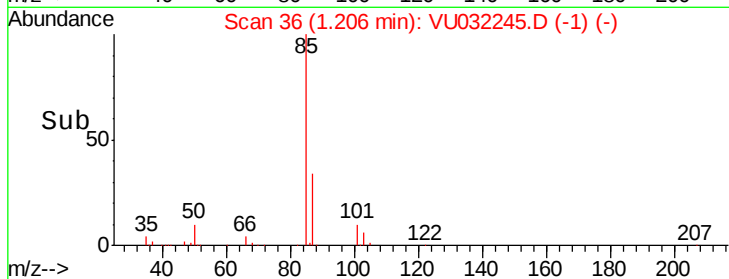
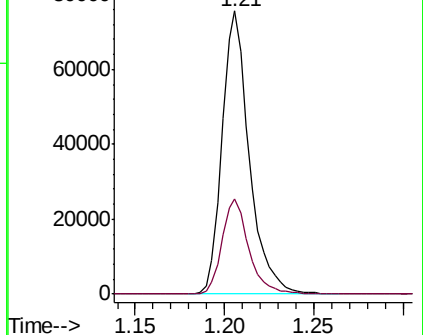
85 100

87 33.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU032222.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032222.D (-28) (-)



#3

Chloromethane

Concen: 4.754 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032245.D

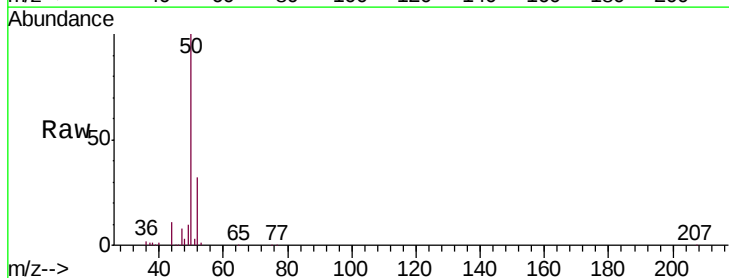
Acq: 23 May 2019 01:00

Tgt Ion: 50 Resp: 79357

Ion Ratio Lower Upper

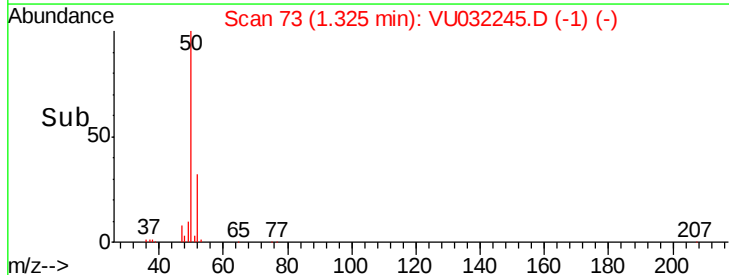
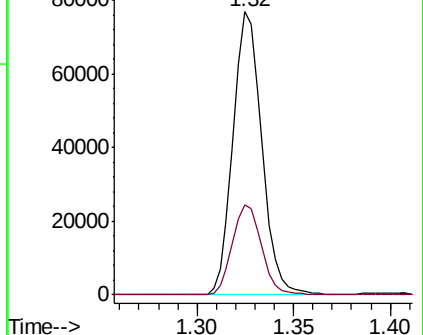
50 100

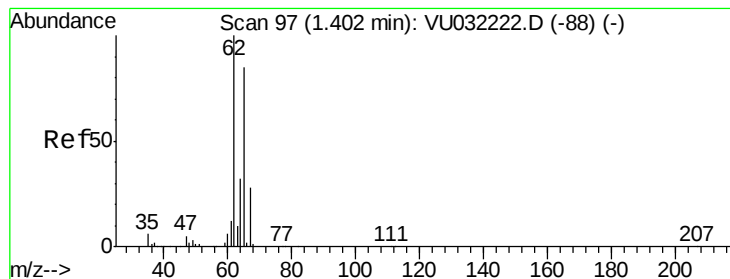
52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU032222.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032222.D (-65) (-)





#5

Vinyl chloride

Concen: 5.077 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

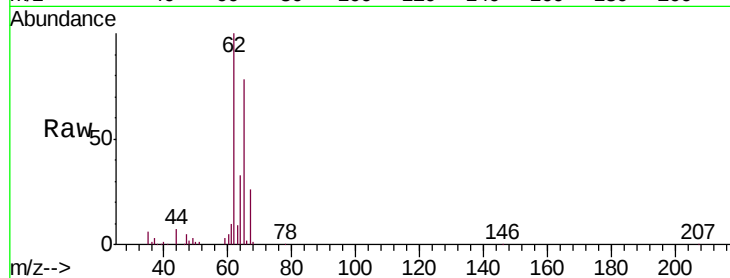
VSTD00511

Tgt Ion: 62 Resp: 85569

Ion Ratio Lower Upper

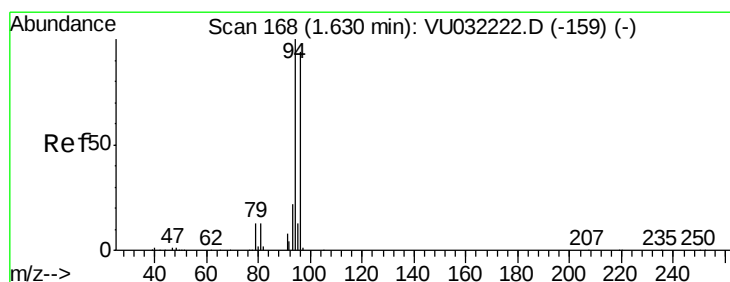
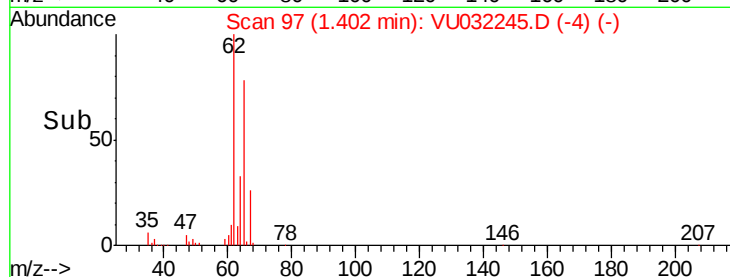
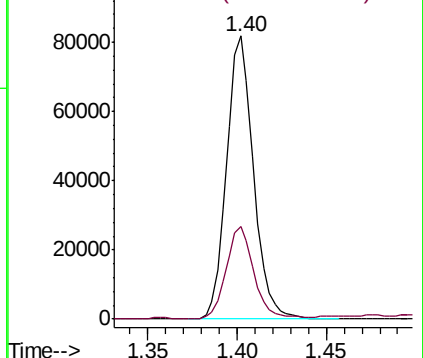
62 100

64 33.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.001 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU032245.D

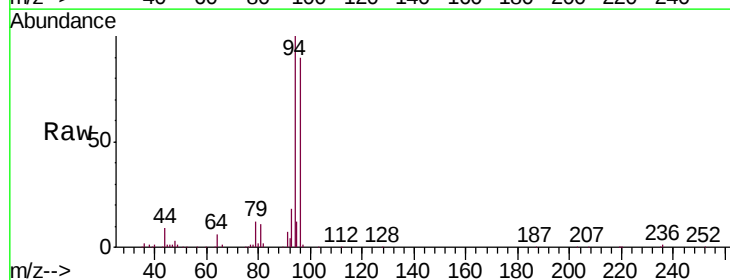
Acq: 23 May 2019 01:00

Tgt Ion: 94 Resp: 53406

Ion Ratio Lower Upper

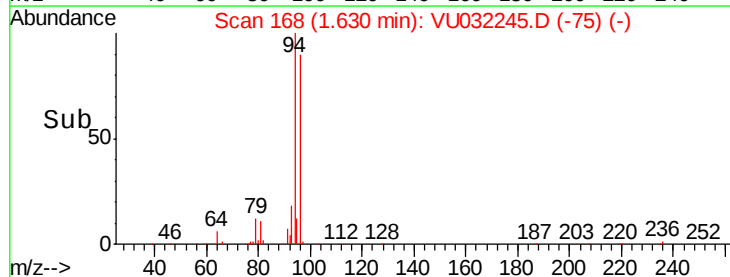
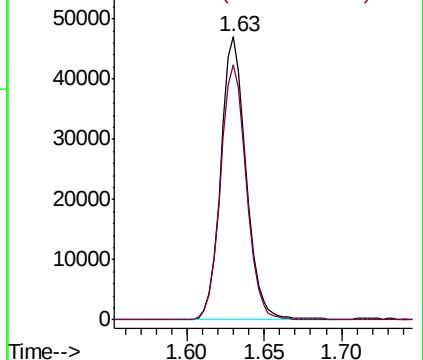
94 100

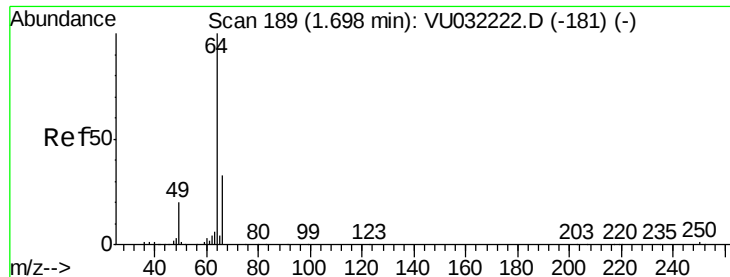
96 90.4 63.0 117.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.448 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

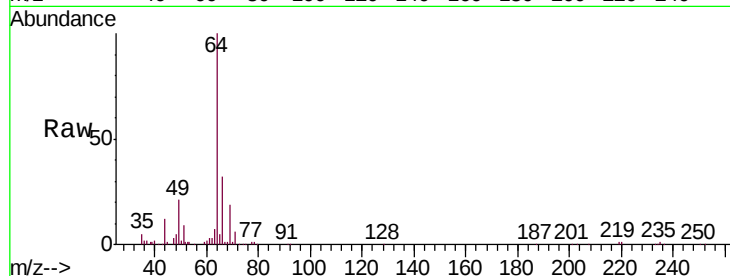
VSTD00511

Tgt Ion: 64 Resp: 47594

Ion Ratio Lower Upper

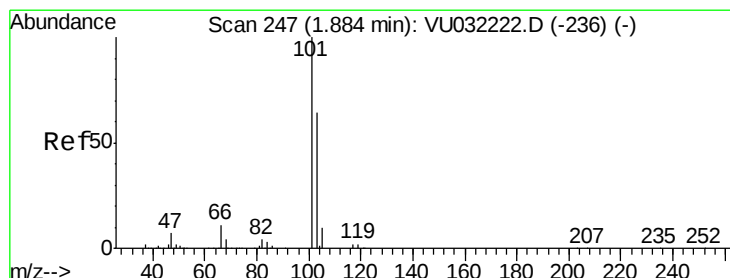
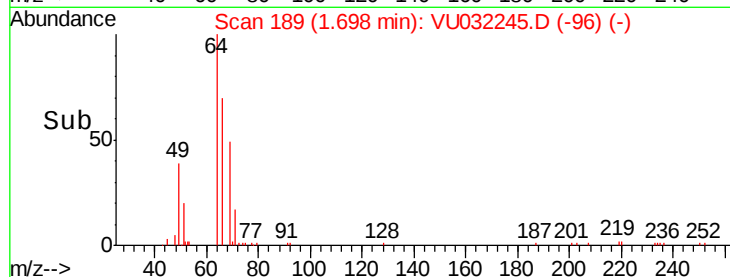
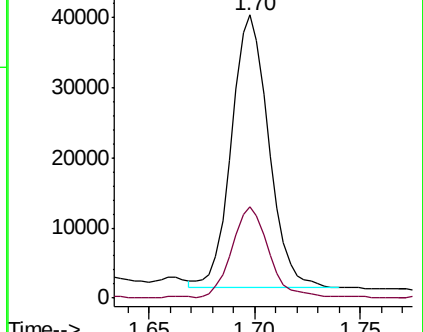
64 100

66 32.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU032222.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU032222.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 4.936 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU032245.D

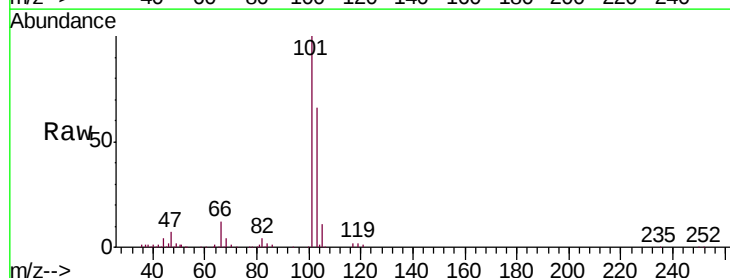
Acq: 23 May 2019 01:00

Tgt Ion: 101 Resp: 107850

Ion Ratio Lower Upper

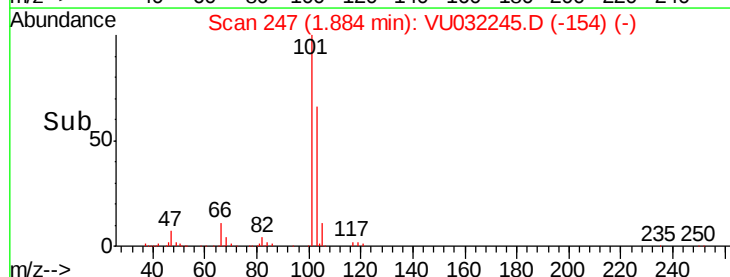
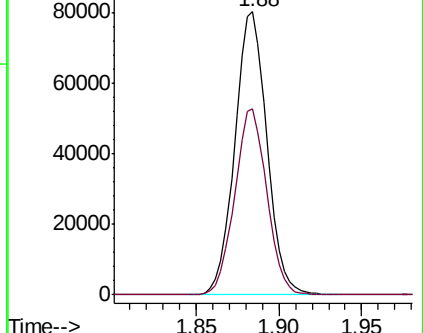
101 100

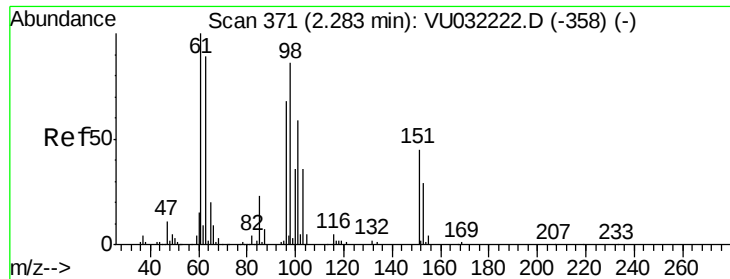
103 65.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU032222.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU032222.D (-236) (-)





#10

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

Concen: 4.935 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

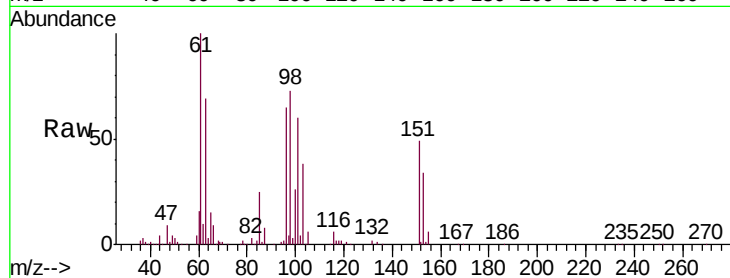
Tgt Ion:101 Resp: 68045

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.4

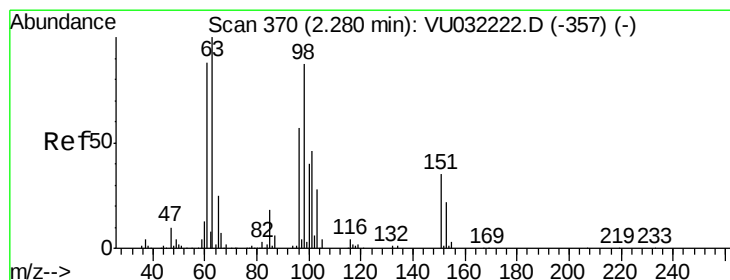
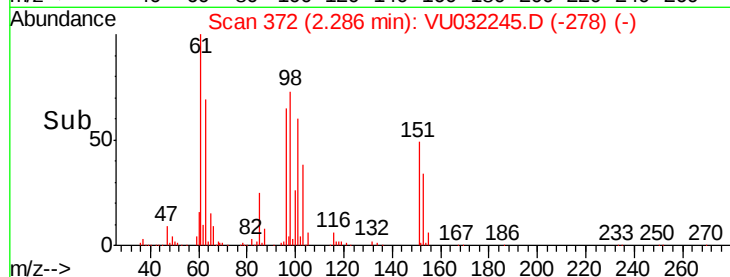
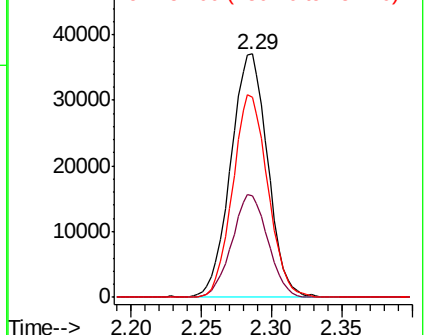
151 79.1 64.4 96.6



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: 4.850 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

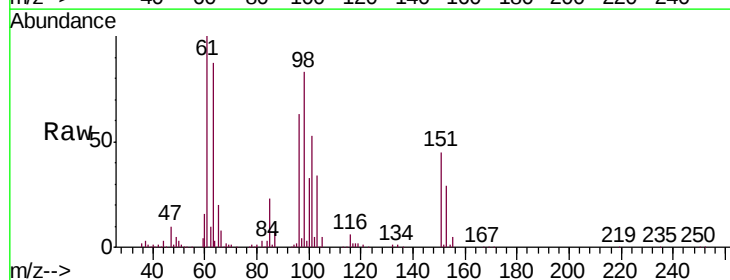
Tgt Ion: 96 Resp: 67218

Ion Ratio Lower Upper

96 100

61 158.7 113.8 211.3

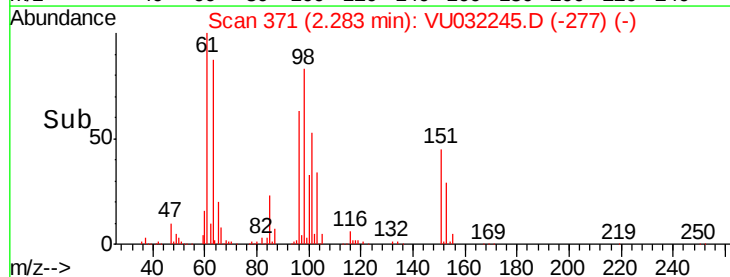
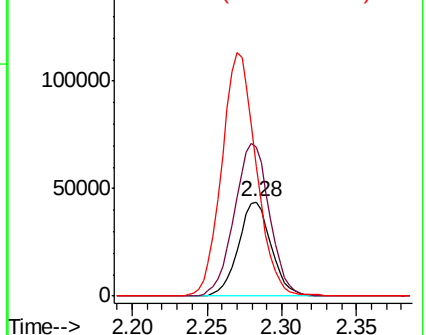
63 138.7 108.8 202.2

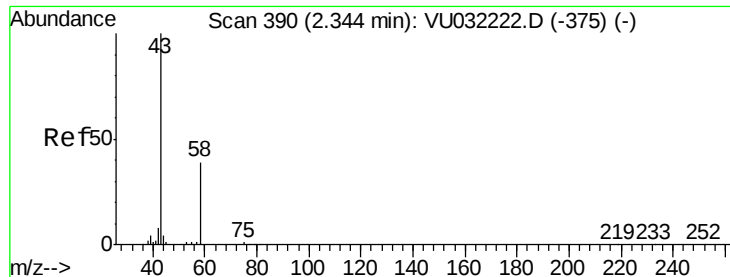


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.938 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

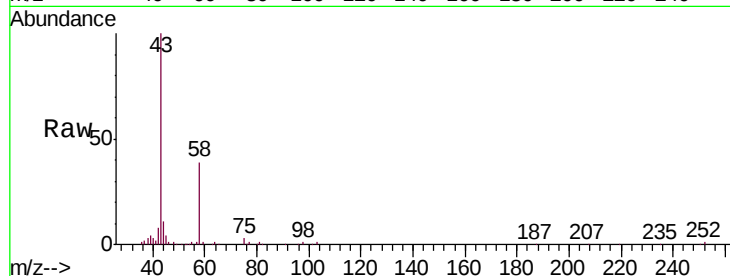
VSTD00511

Tgt Ion: 43 Resp: 89711

Ion Ratio Lower Upper

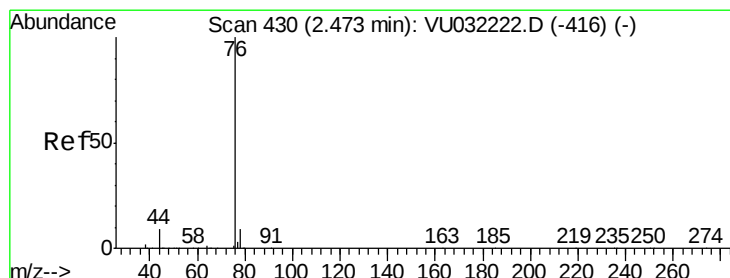
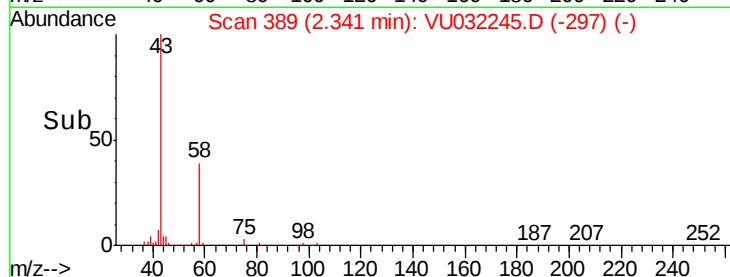
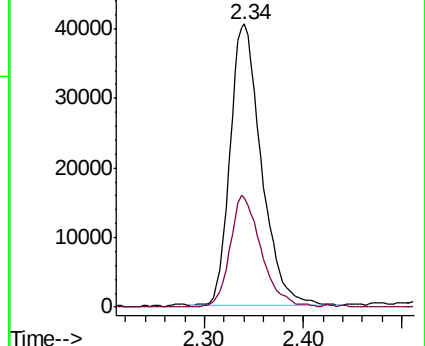
43 100

58 39.4 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032222.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032222.D (-375) (-)



#14

Carbon disulfide

Concen: 4.845 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032245.D

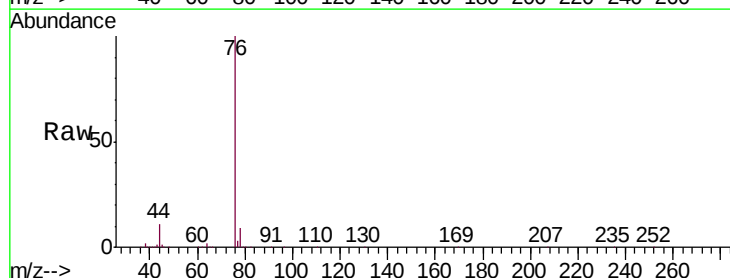
Acq: 23 May 2019 01:00

Tgt Ion: 76 Resp: 208023

Ion Ratio Lower Upper

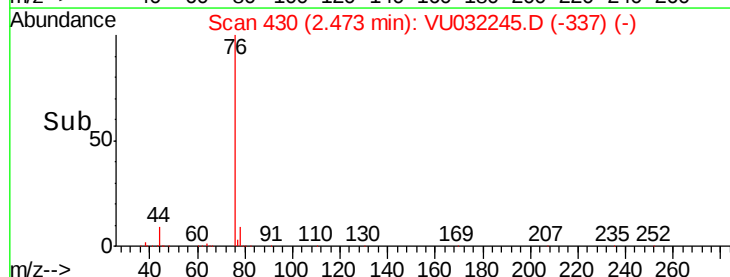
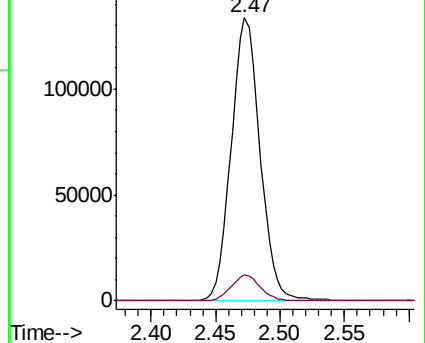
76 100

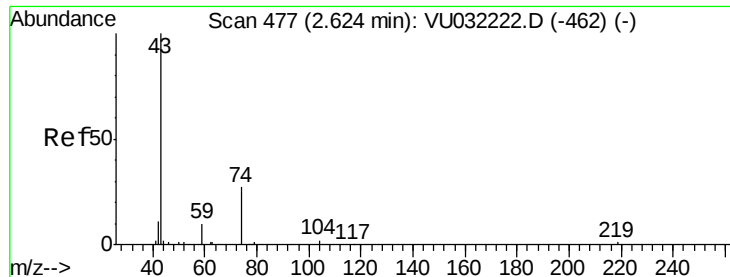
78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU032222.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032222.D (-416) (-)

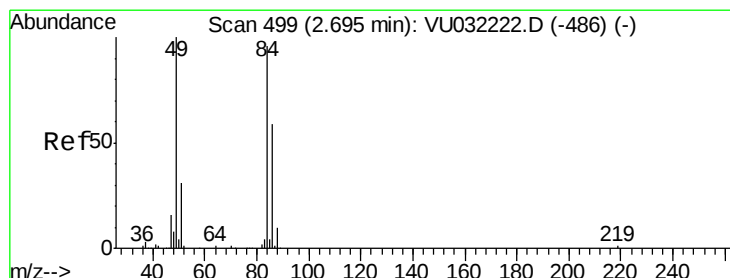
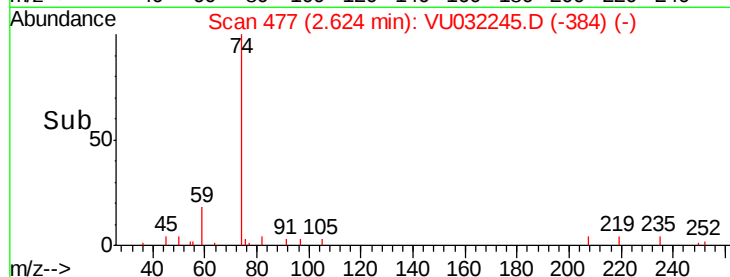
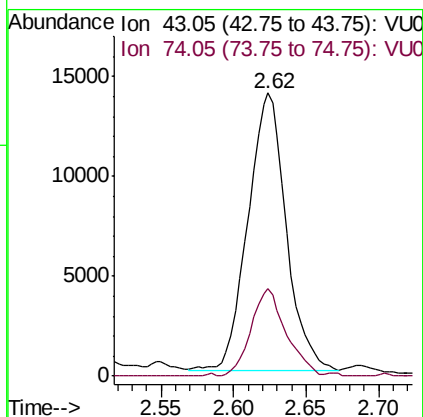
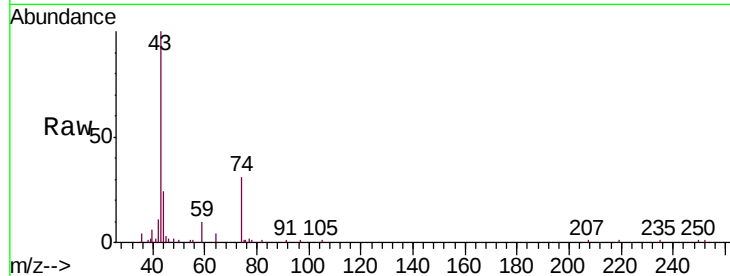




#15
Methyl Acetate
Concen: 4.539 ug/L
RT: 2.62 min Scan# 477
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

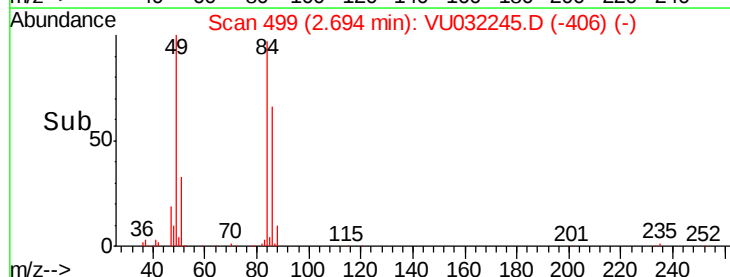
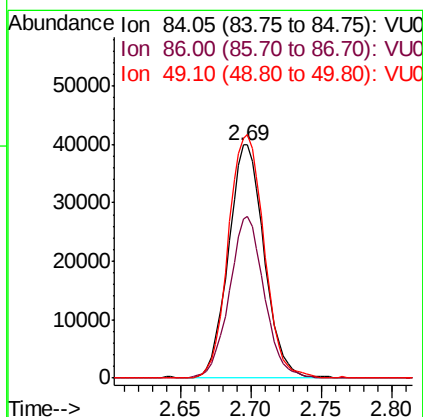
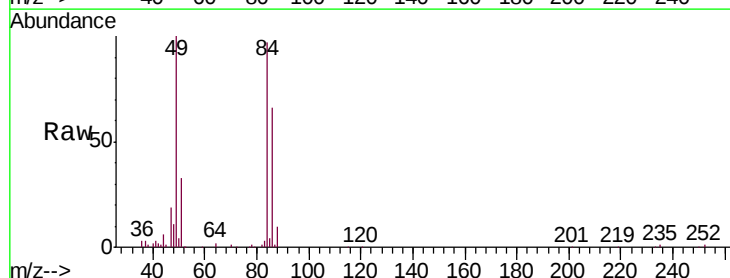
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

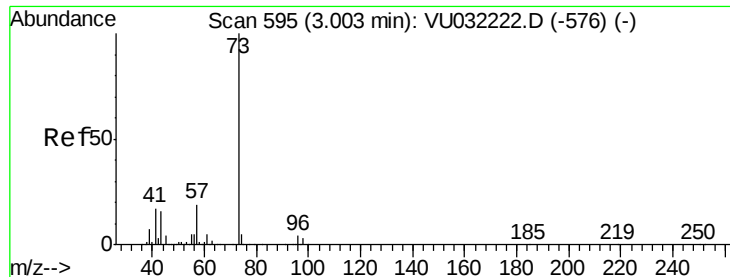
Tgt Ion: 43 Resp: 25454
Ion Ratio Lower Upper
43 100
74 29.1 27.3 40.9



#16
Methylene chloride
Concen: 3.831 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion: 84 Resp: 70824
Ion Ratio Lower Upper
84 100
86 68.0 43.6 81.0
49 103.0 71.1 132.1

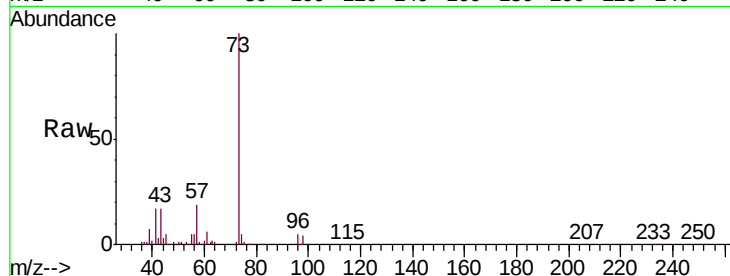




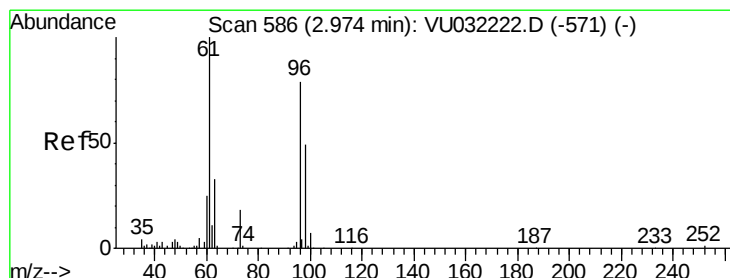
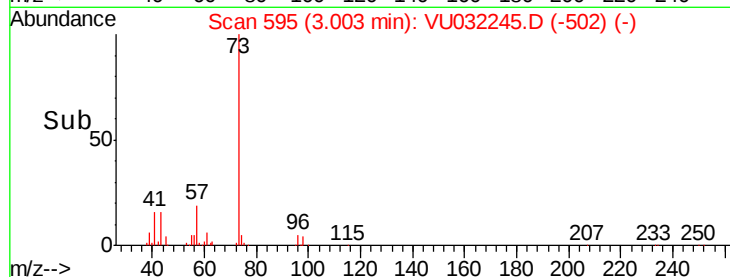
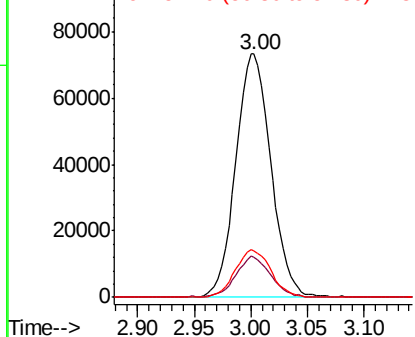
#17
Methyl tert-butyl Ether
Concen: 5.073 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion: 73 Resp: 158496
Ion Ratio Lower Upper
73 100
43 16.1 13.8 20.6
57 19.8 16.2 24.4

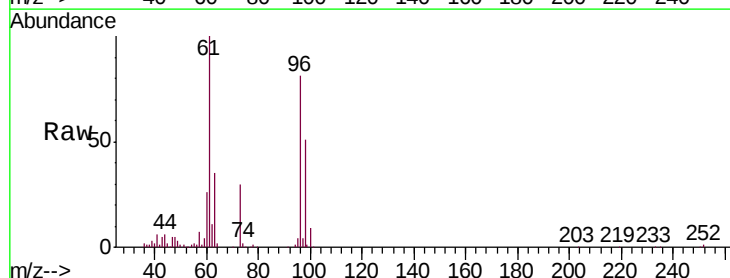


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

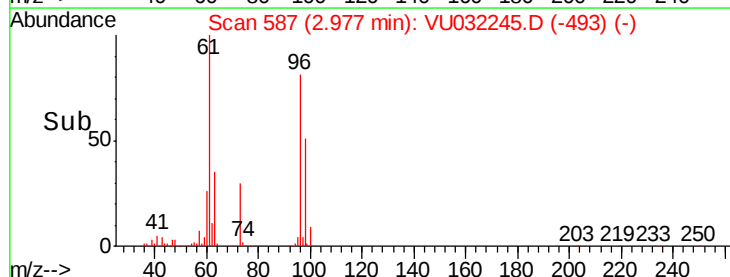
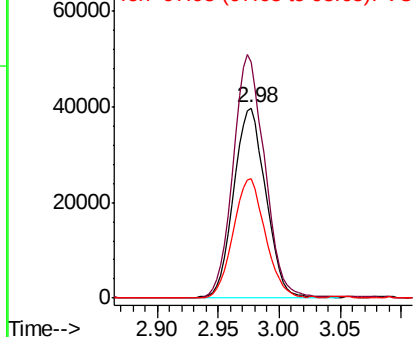


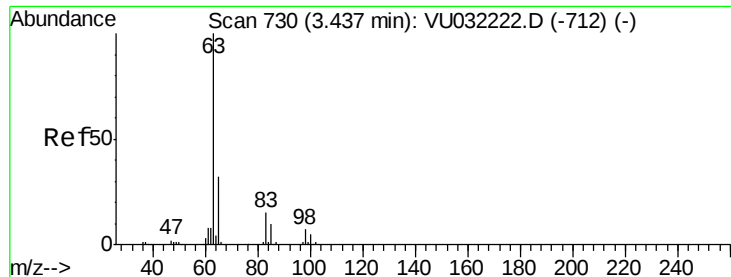
#18
trans-1,2-Dichloroethene
Concen: 4.903 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion: 96 Resp: 72935
Ion Ratio Lower Upper
96 100
61 124.0 90.6 168.3
98 62.8 49.5 91.9



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

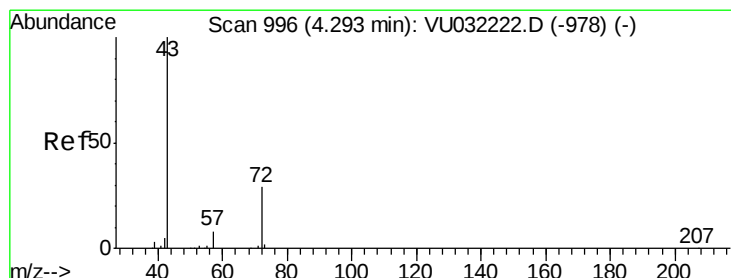
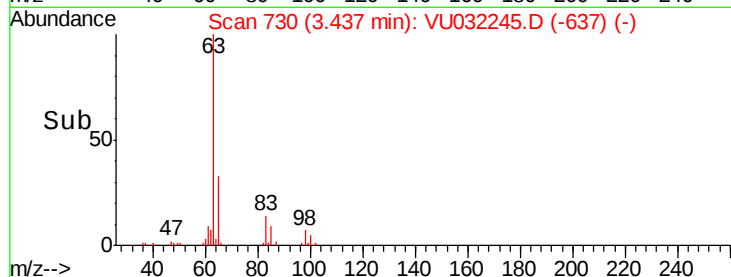
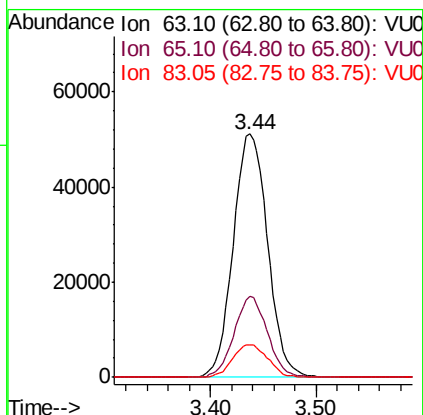
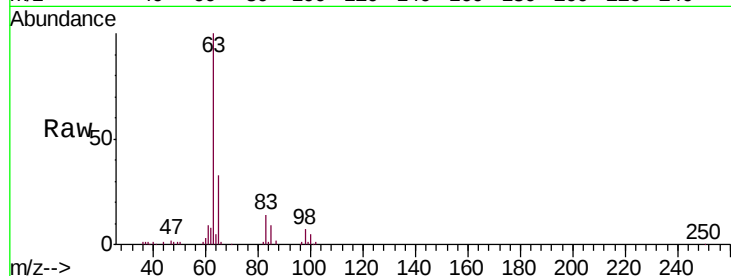




#19
 1,1-Dichloroethane
 Concen: 5.049 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

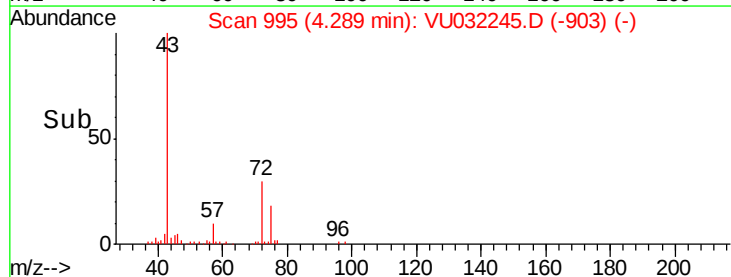
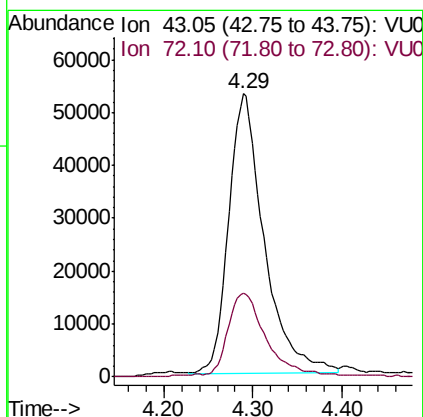
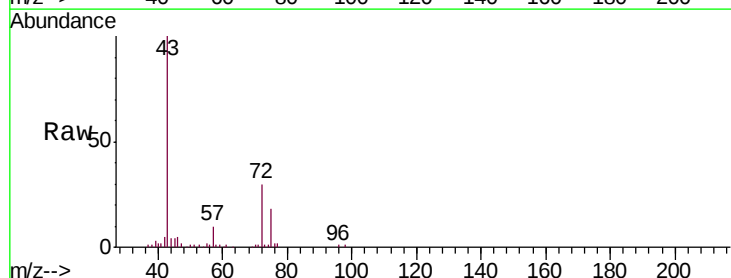
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

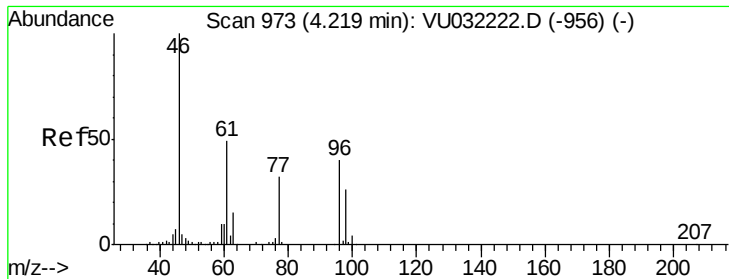
Tgt Ion: 63 Resp: 115986
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.5 43.7
 83 13.5 8.8 16.3



#21
 2-Butanone
 Concen: 50.811 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion: 43 Resp: 146506
 Ion Ratio Lower Upper
 43 100
 72 29.3 15.2 45.6



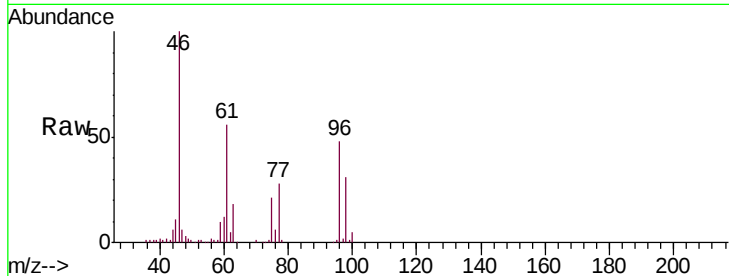


#22

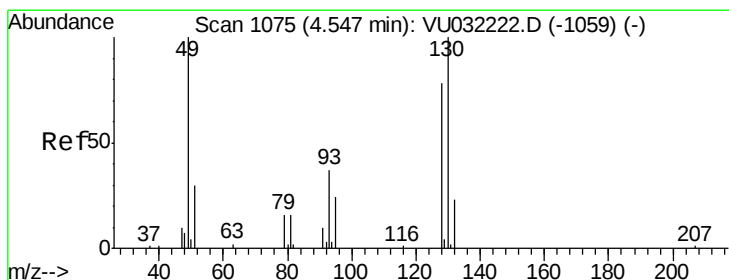
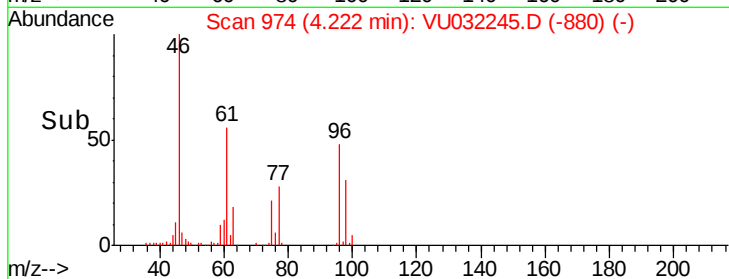
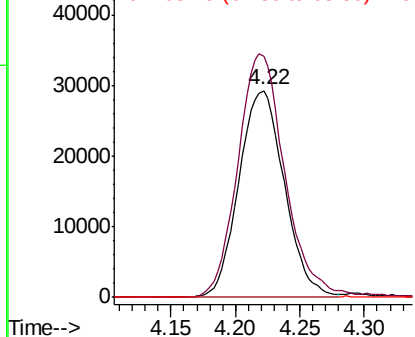
cis-1,2-Dichloroethene
 Concen: 4.952 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion: 96 Resp: 71901
 Ion Ratio Lower Upper
 96 100
 61 116.7 82.5 153.1
 68 0.0 0.0 0.0



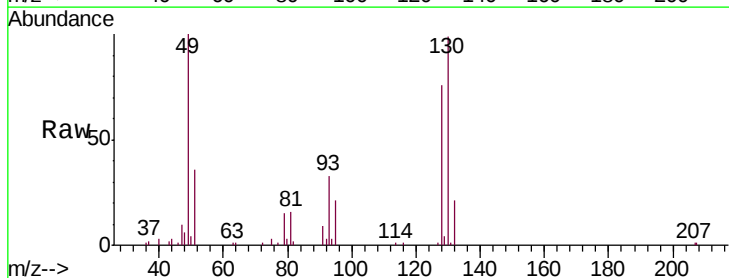
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



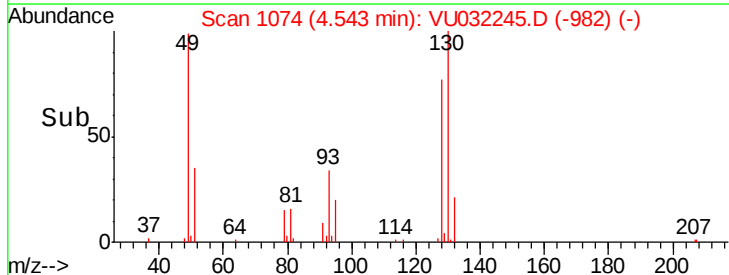
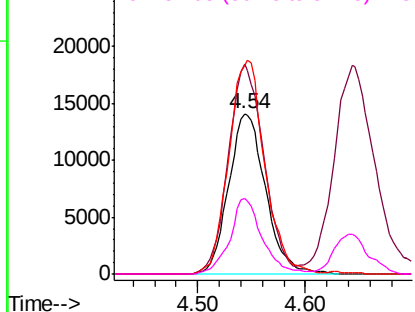
#23

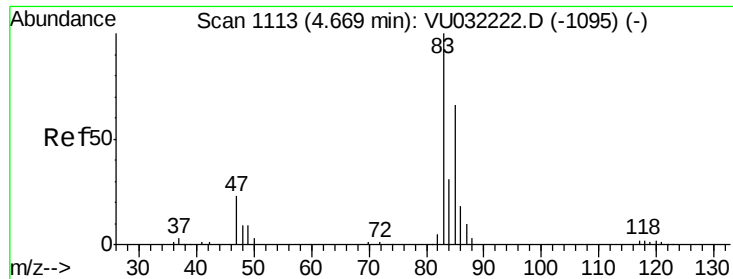
Bromochloromethane
 Concen: 5.227 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion: 128 Resp: 33542
 Ion Ratio Lower Upper
 128 100
 49 130.9 93.9 174.3
 130 129.6 85.3 158.3
 51 46.7 35.6 53.4



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

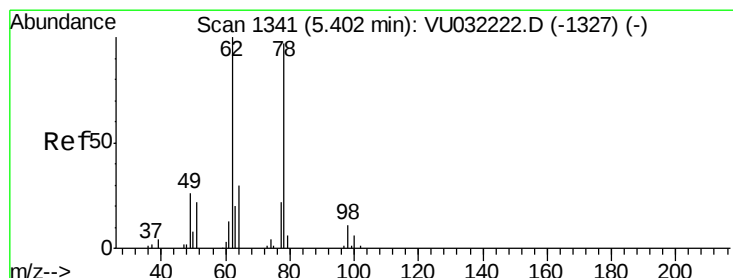
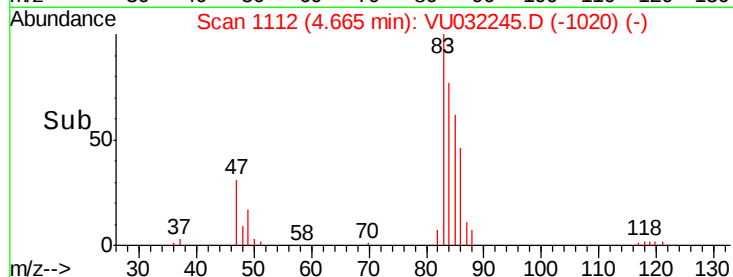
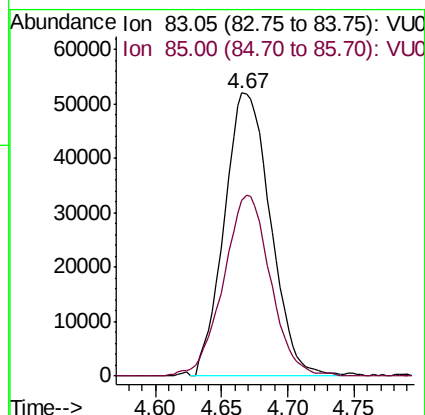
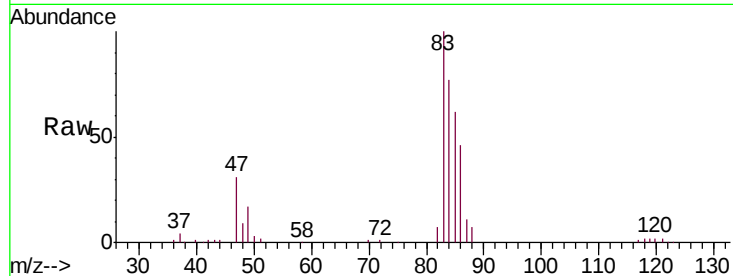




#25
Chloroform
Concen: 5.088 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

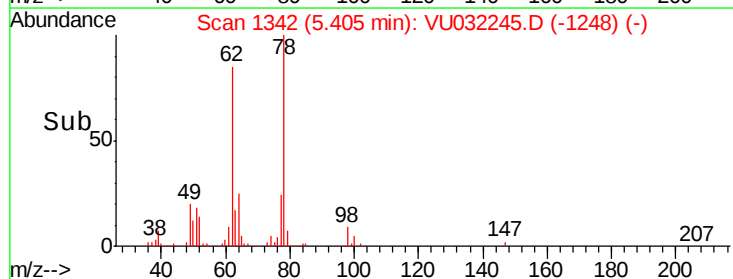
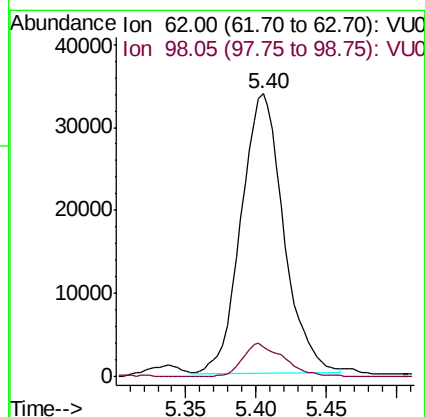
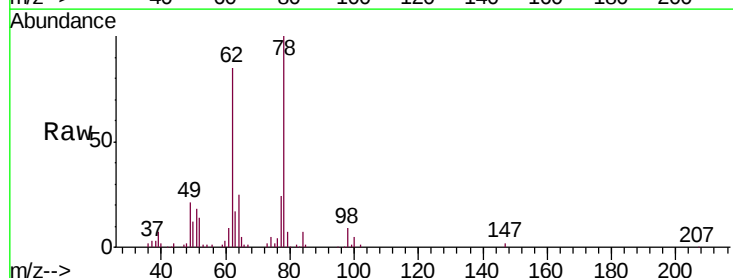
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

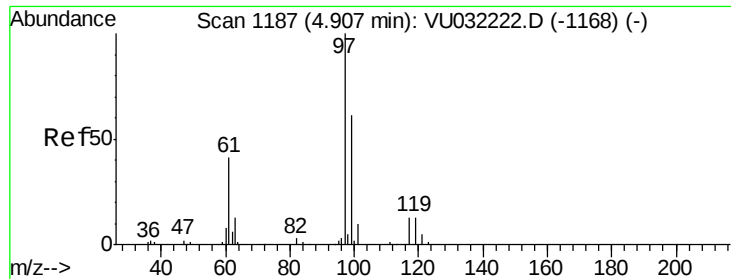
Tgt Ion: 83 Resp: 126240
Ion Ratio Lower Upper
83 100
85 62.0 41.6 77.3



#27
1,2-Dichloroethane
Concen: 4.949 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion: 62 Resp: 71459
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2

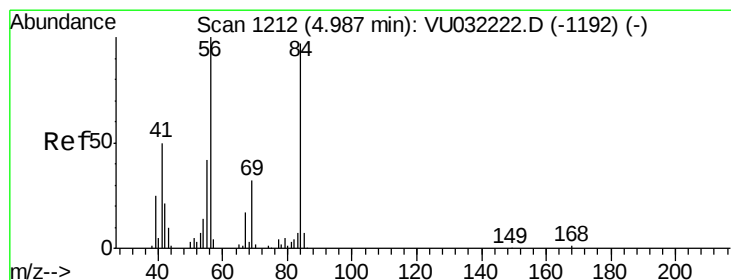
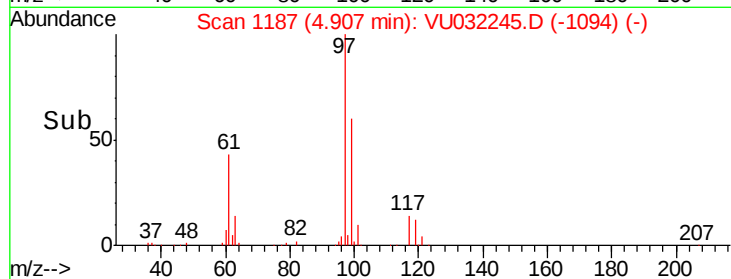
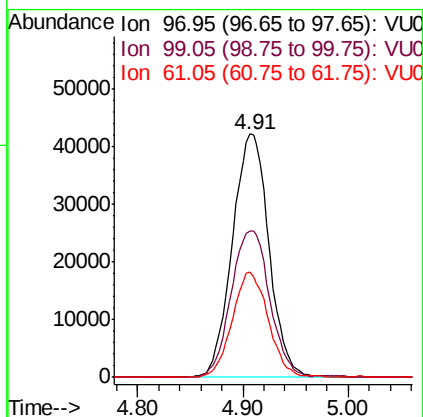
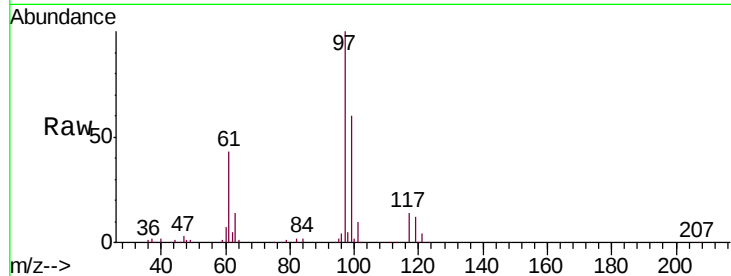




#29
 1,1,1-Trichloroethane
 Concen: 4.924 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

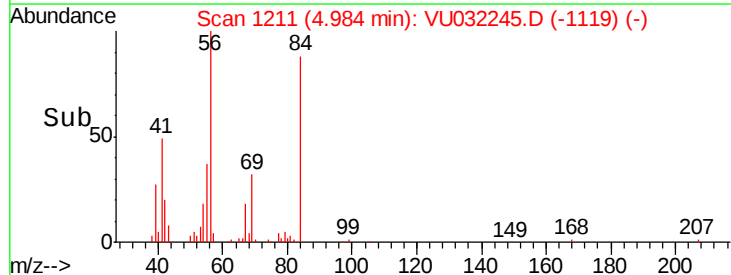
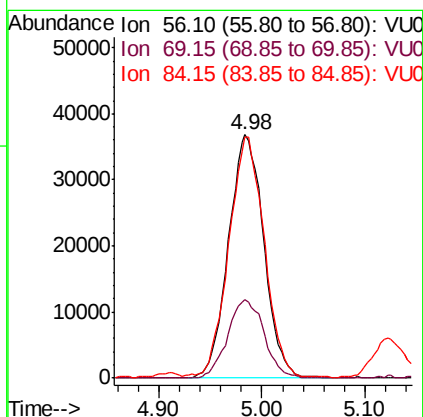
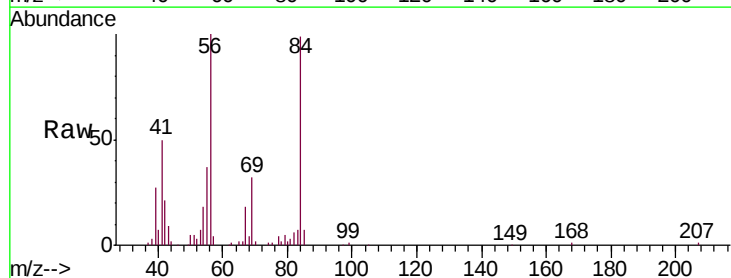
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00511

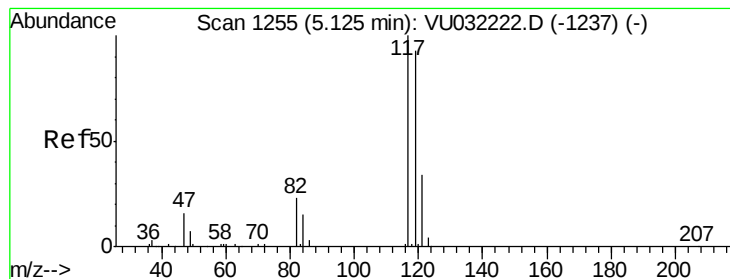
Tgt Ion: 97 Resp: 101700
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.3 75.5
 61 42.5 34.1 51.1



#30
 Cyclohexane
 Concen: 4.545 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion: 56 Resp: 87753
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.6 39.8
 84 98.4 75.0 112.6





#31

Carbon tetrachloride

Concen: 4.815 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

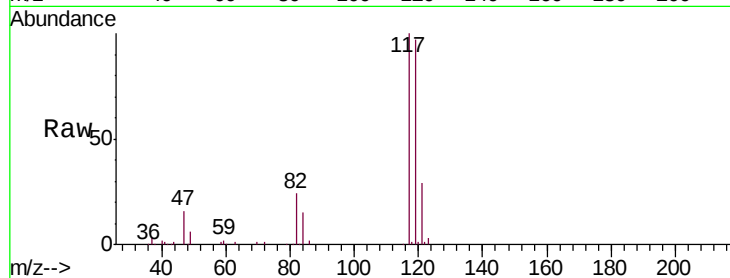
VSTD00511

Tgt Ion:117 Resp: 87606

Ion Ratio Lower Upper

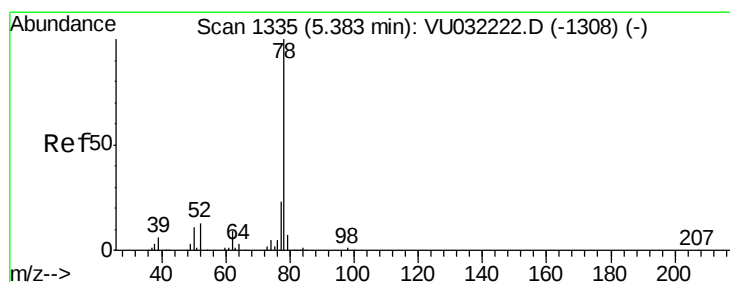
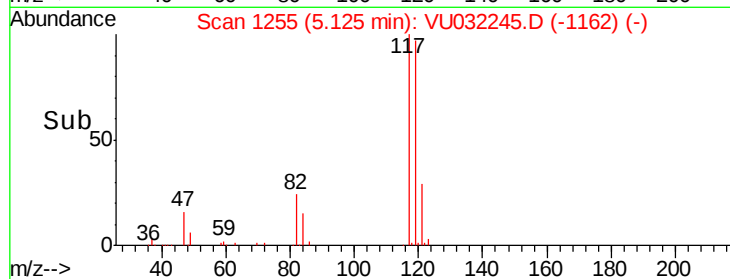
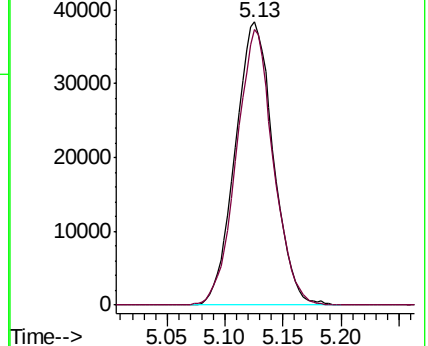
117 100

119 94.3 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.026 ug/L

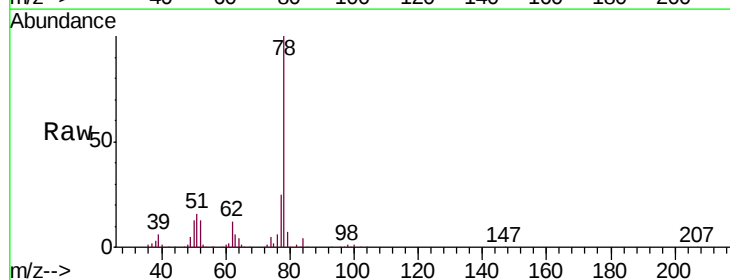
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

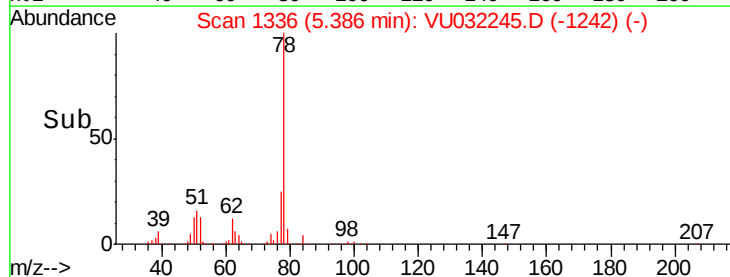
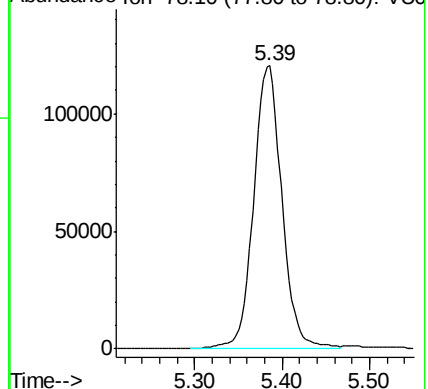
Lab File: VU032245.D

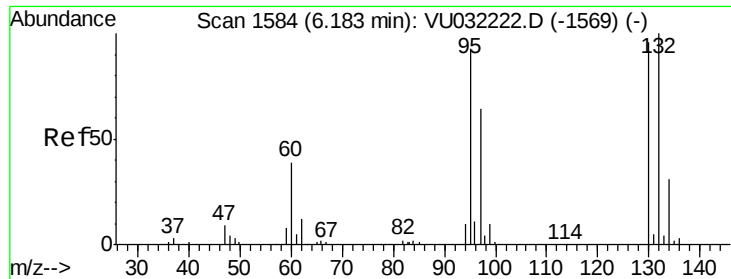
Acq: 23 May 2019 01:00

Tgt Ion: 78 Resp: 270541



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.762 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

Tgt Ion: 95 Resp: 68794

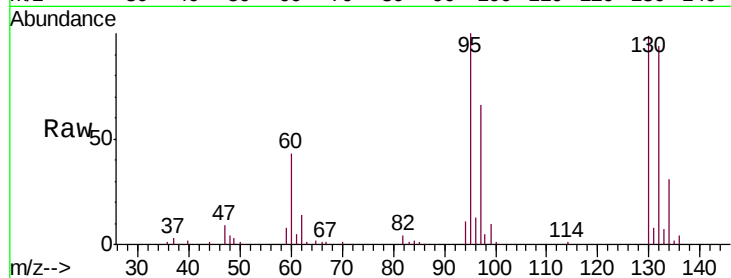
Ion Ratio Lower Upper

95 100

97 66.2 39.9 74.1

132 94.0 65.9 122.5

130 98.6 70.6 131.2

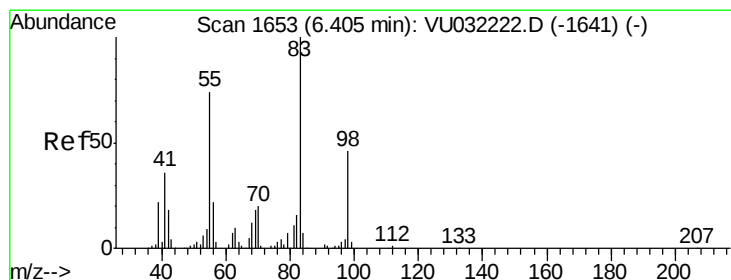
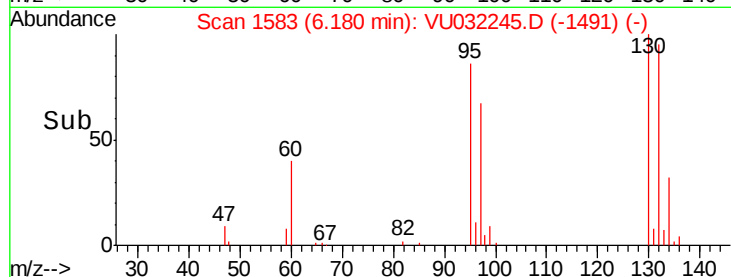
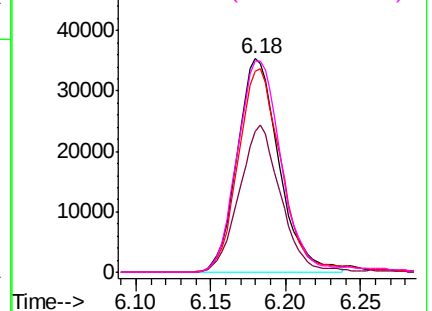


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.418 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

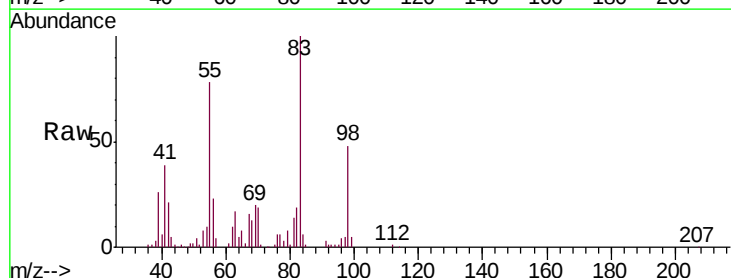
Tgt Ion: 83 Resp: 94022

Ion Ratio Lower Upper

83 100

55 76.3 59.7 89.5

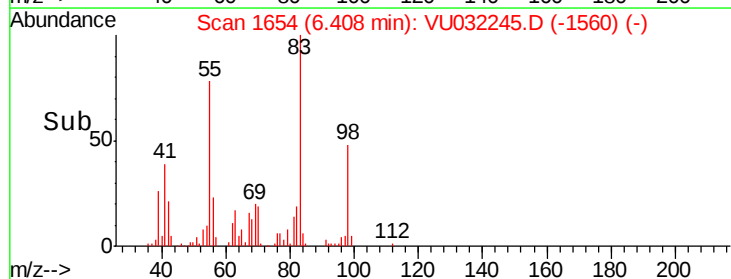
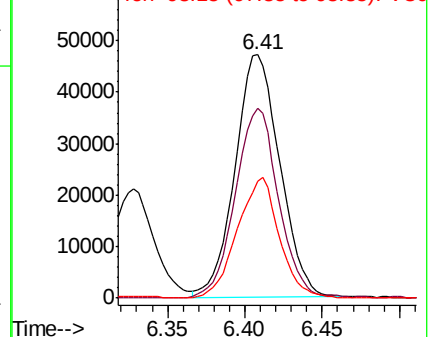
98 47.1 37.5 56.3

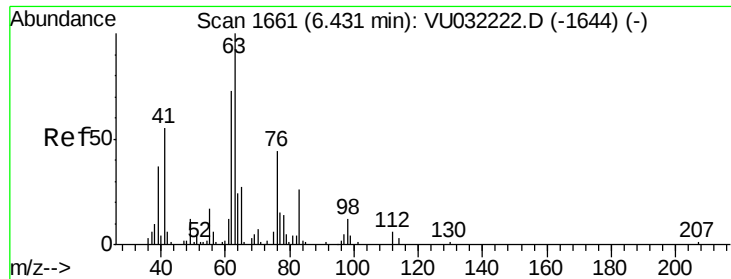


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

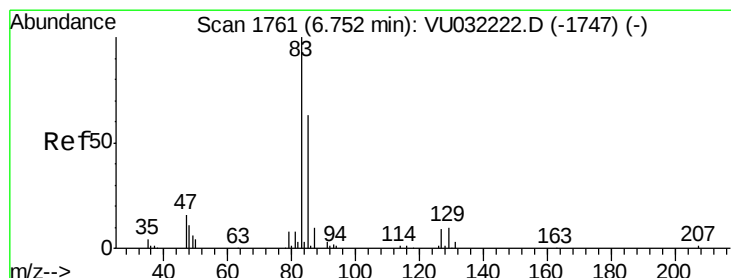
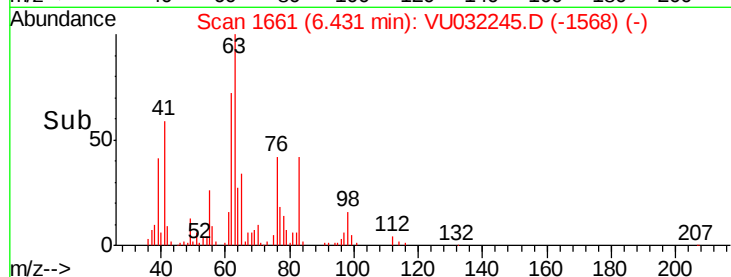
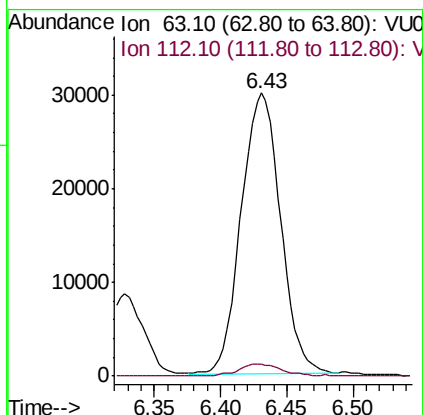
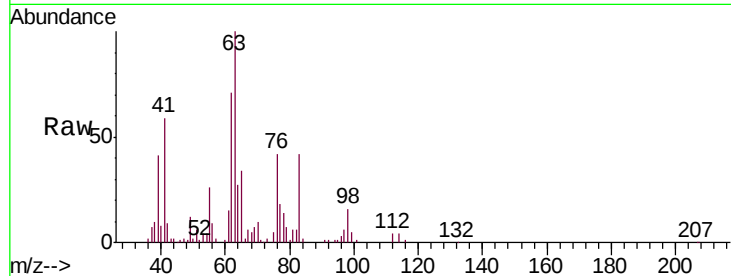




#37
 1,2-Dichloropropane
 Concen: 4.797 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

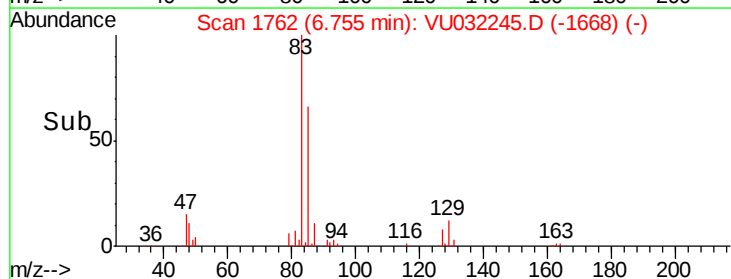
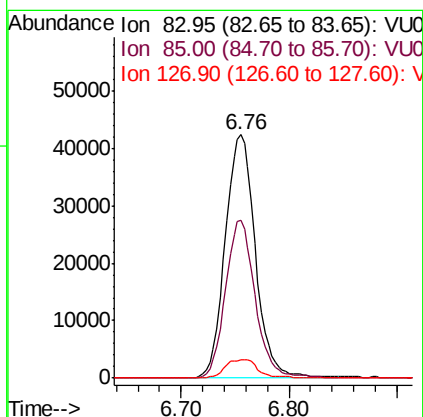
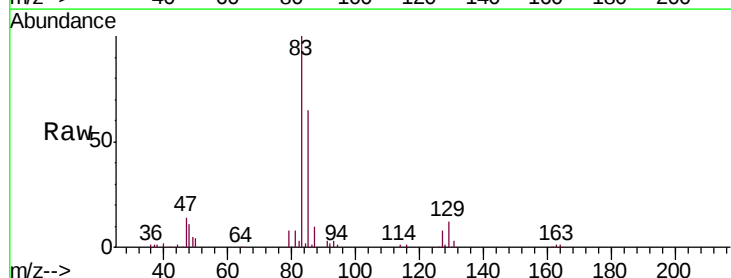
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

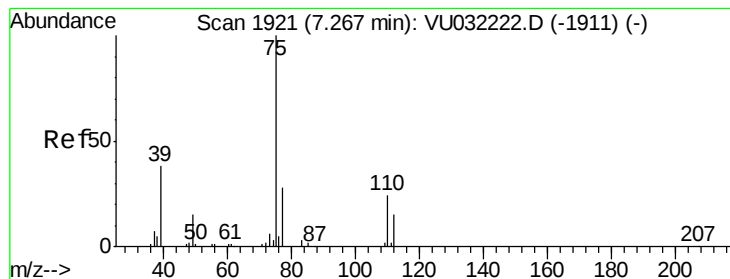
Tgt Ion: 63 Resp: 62168
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.909 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion: 83 Resp: 82682
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.4 82.4
 127 7.5 7.0 10.6



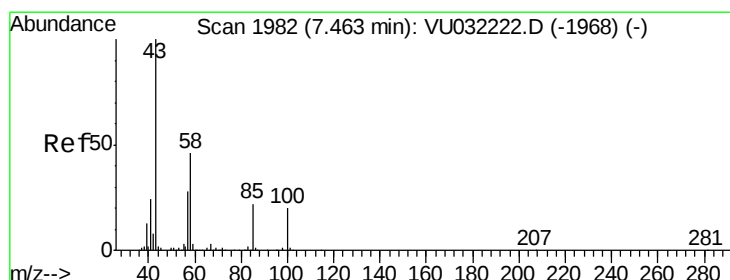
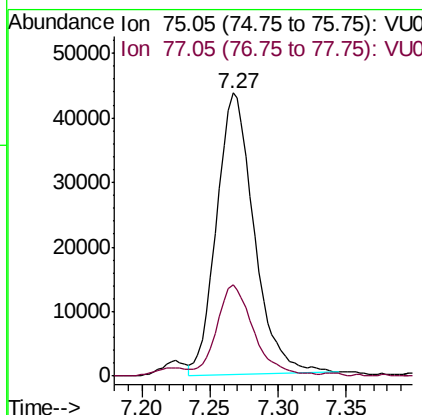
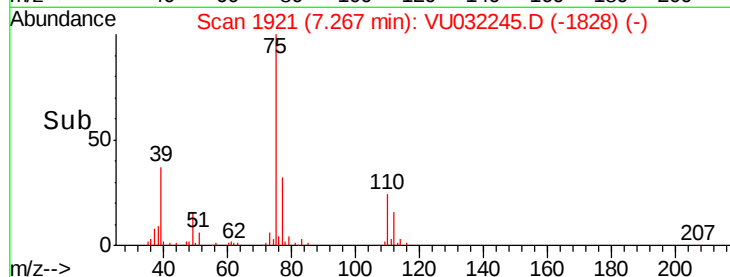
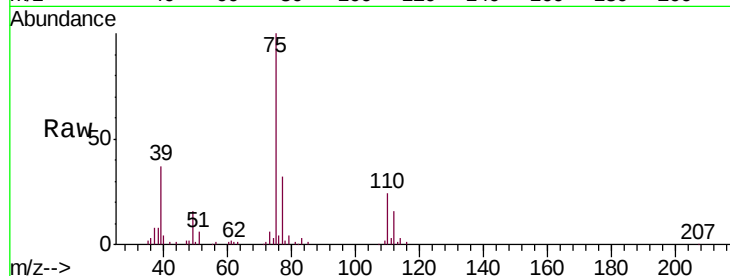


#39

cis-1,3-Dichloropropene
Concen: 4.515 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

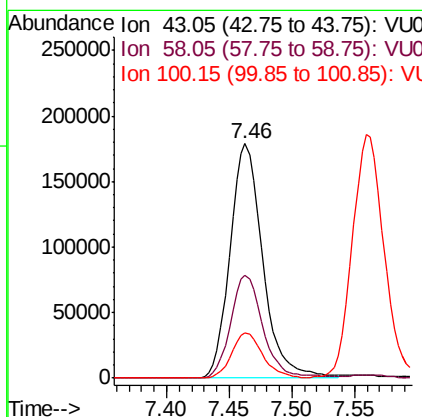
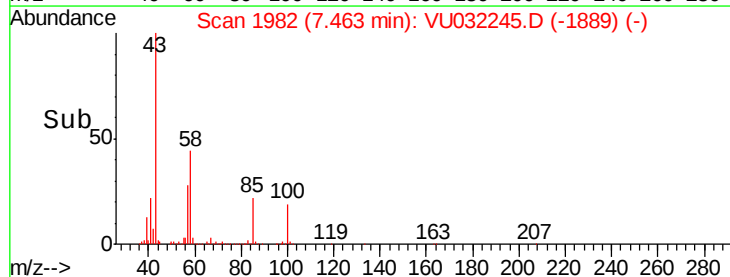
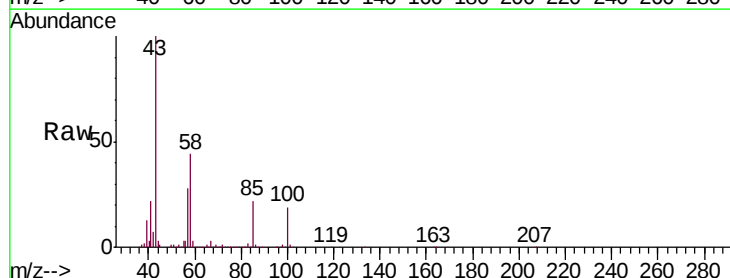
Tgt Ion: 75 Resp: 83322
Ion Ratio Lower Upper
75 100
77 32.2 22.6 42.0

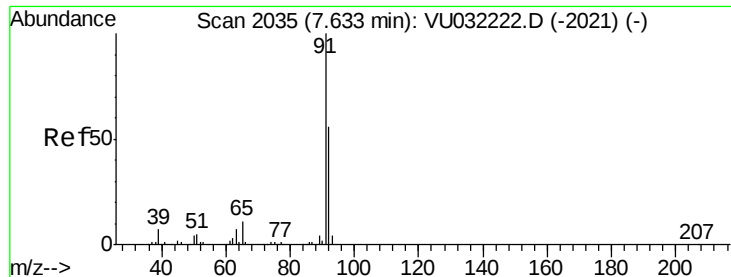


#40

4-Methyl-2-pentanone
Concen: 49.408 ug/L
RT: 7.46 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion: 43 Resp: 323683
Ion Ratio Lower Upper
43 100
58 43.4 35.8 53.6
100 18.5 14.6 22.0





#42

Toluene

Concen: 5.148 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

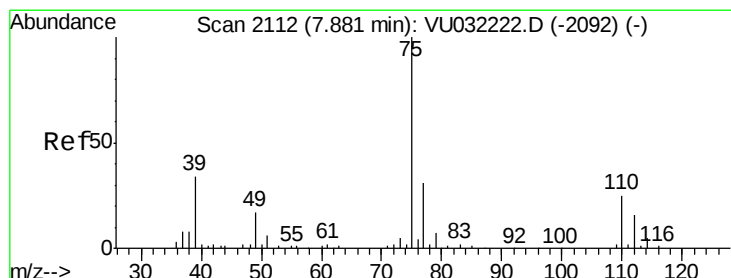
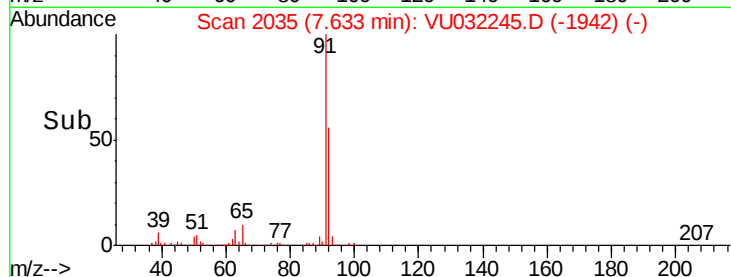
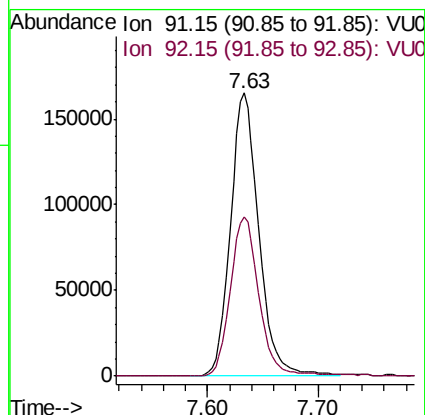
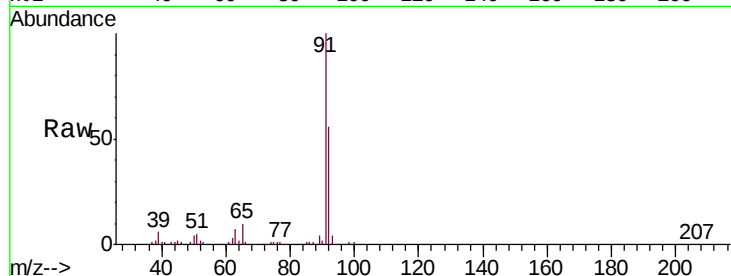
VSTD00511

Tgt Ion: 91 Resp: 294466

Ion Ratio Lower Upper

91 100

92 56.2 38.5 71.5



#44

trans-1,3-Dichloropropene

Concen: 4.811 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VU032245.D

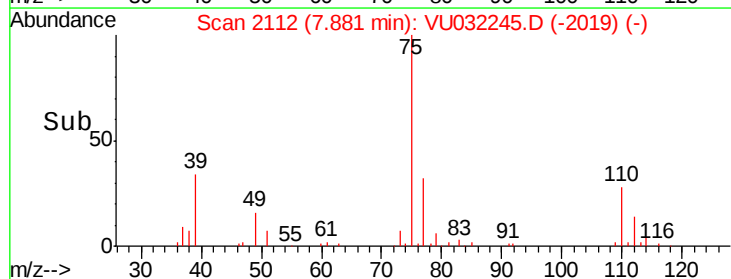
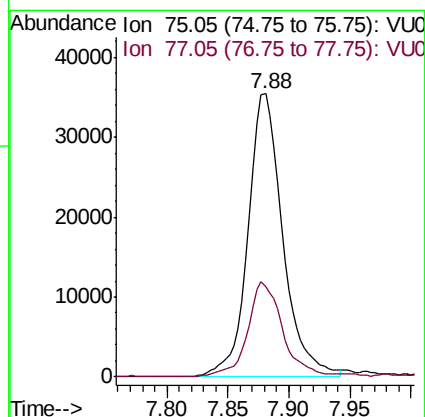
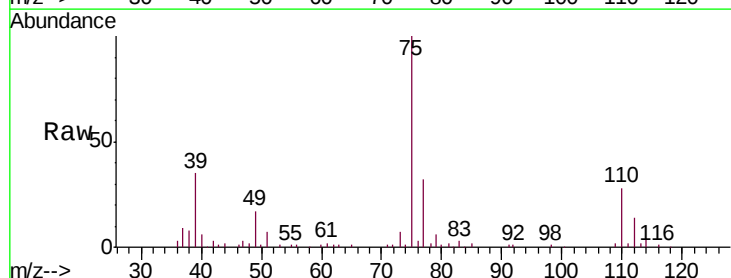
Acq: 23 May 2019 01:00

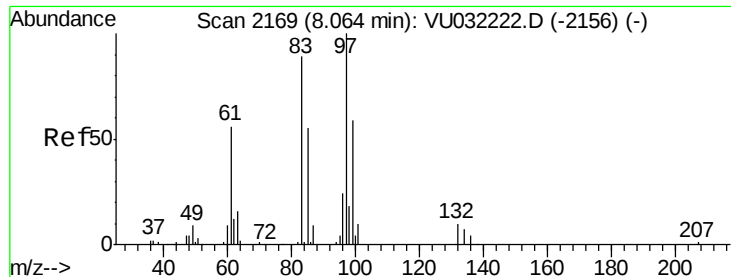
Tgt Ion: 75 Resp: 69766

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9

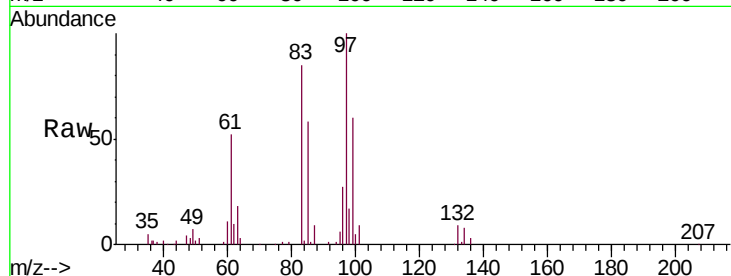




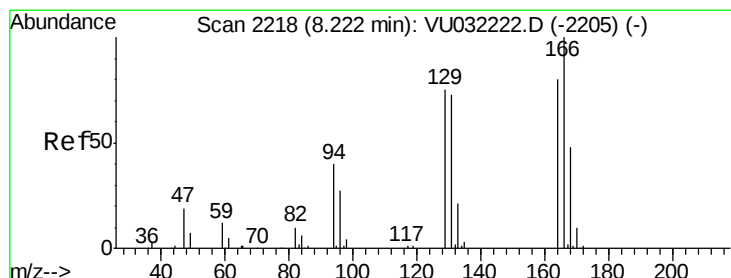
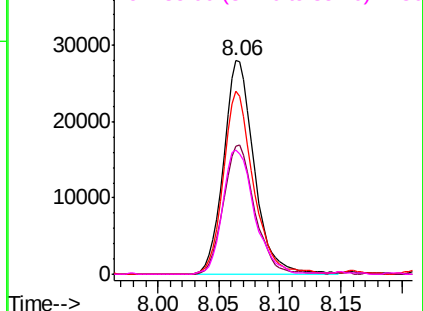
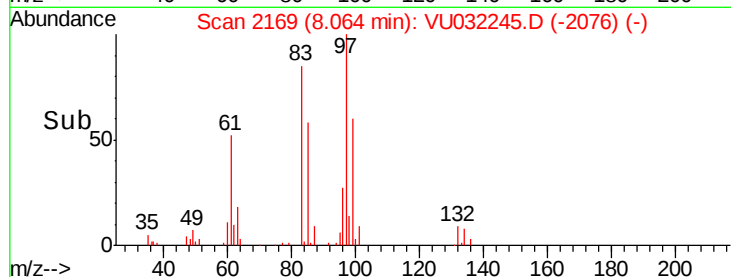
#45
 1,1,2-Trichloroethane
 Concen: 4.936 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:	97	Resp:	49400
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.2	82.0
83	85.4	60.5	112.3
85	58.3	36.3	67.3

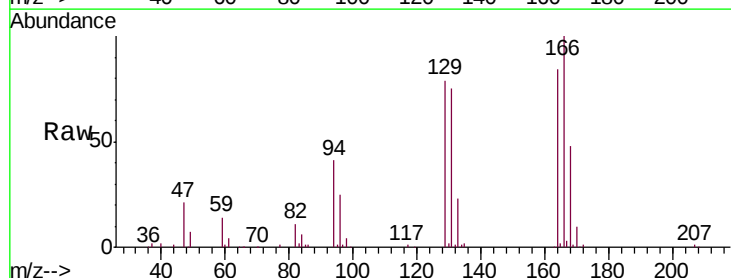


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

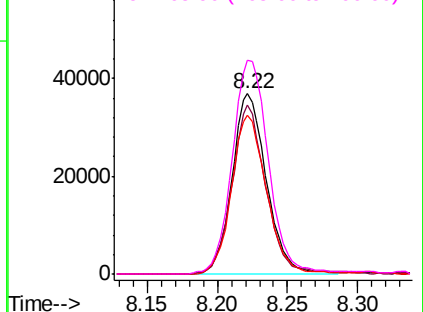
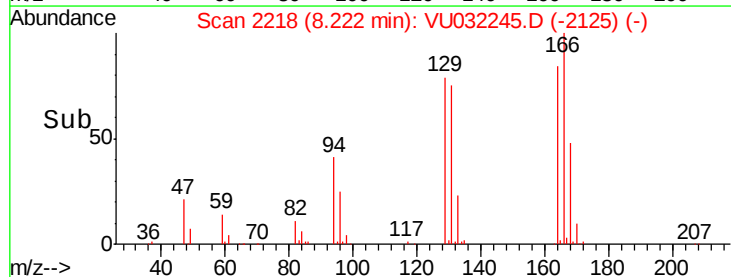


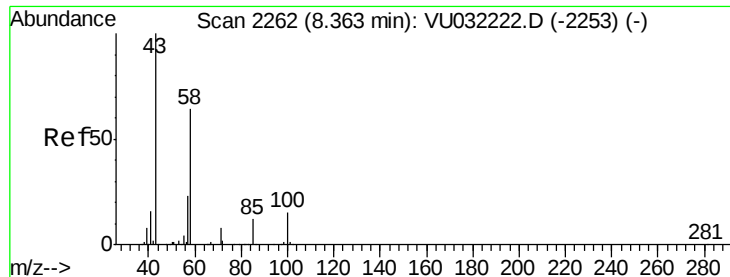
#47
 Tetrachloroethene
 Concen: 5.276 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion:	164	Resp:	62921
Ion	Ratio	Lower	Upper
164	100		
129	94.0	67.1	124.7
131	88.4	62.2	115.4
166	118.5	90.9	168.9



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

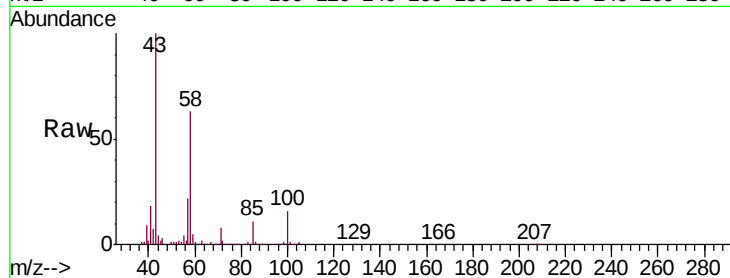




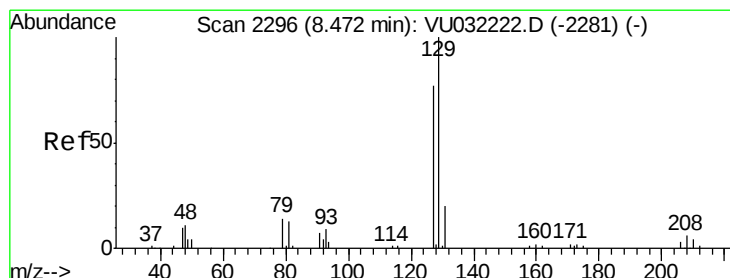
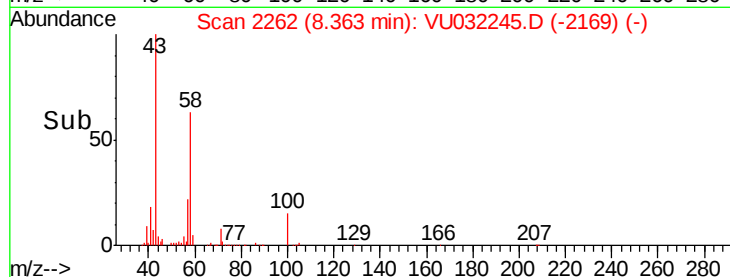
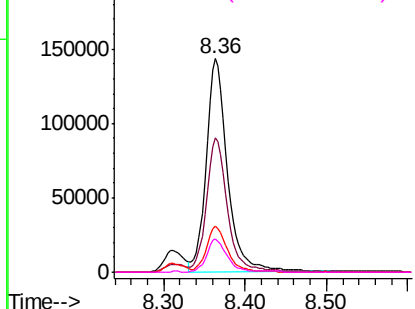
#48
2-Hexanone
Concen: 52.173 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Instrument :
MSVOA_U
ClientSampled :
VSTD00511

Tgt Ion: 43 Resp: 262161
Ion Ratio Lower Upper
43 100
58 61.8 49.7 74.5
57 20.3 17.1 25.7
100 14.7 11.6 17.4

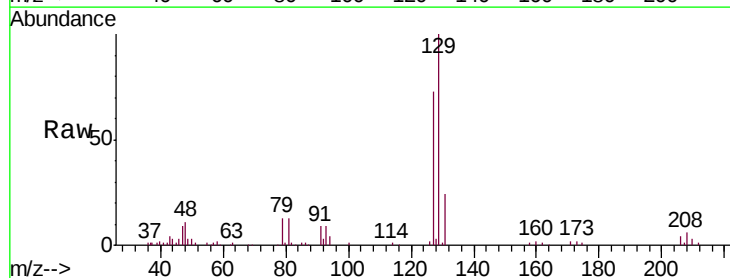


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

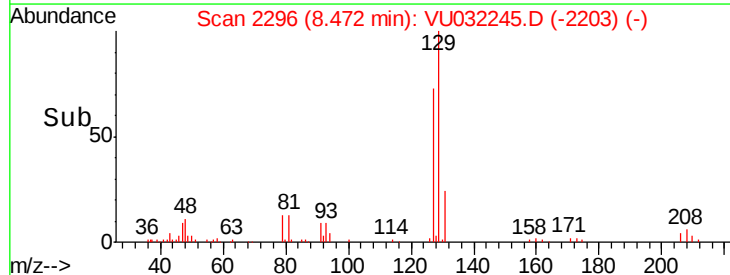
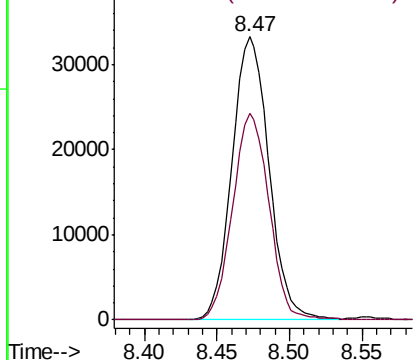


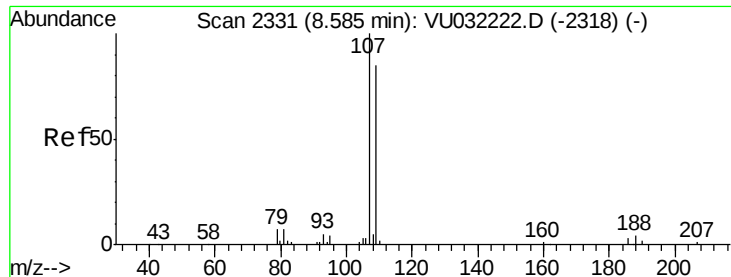
#49
Dibromochloromethane
Concen: 5.169 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion: 129 Resp: 58883
Ion Ratio Lower Upper
129 100
127 73.1 51.7 95.9



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

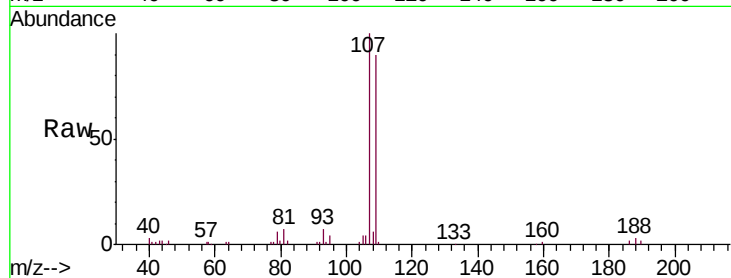




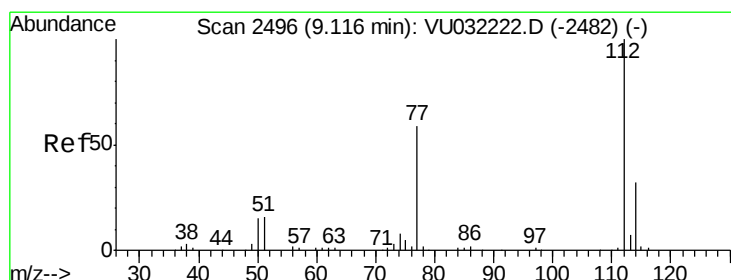
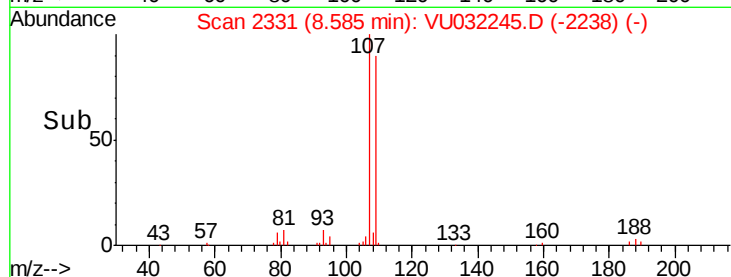
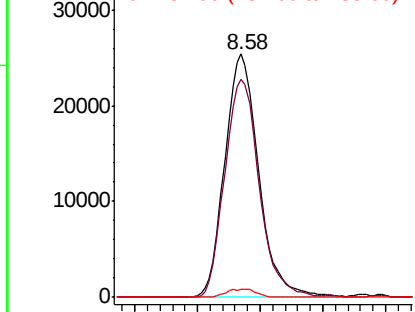
#50
1,2-Dibromoethane
Concen: 5.040 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:107 Resp: 47557
Ion Ratio Lower Upper
107 100
109 89.7 65.8 122.2
188 3.1 2.6 3.8

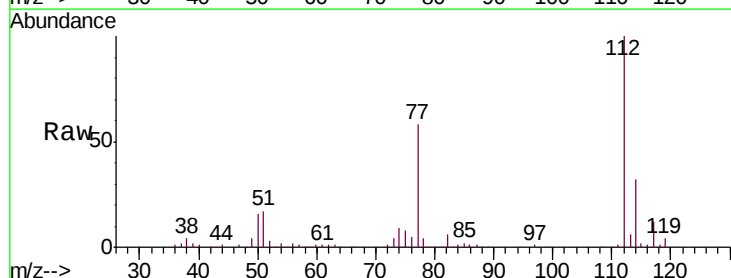


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

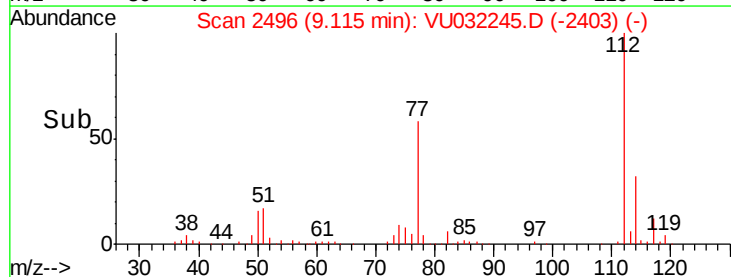
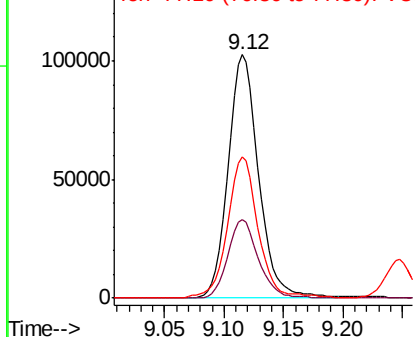


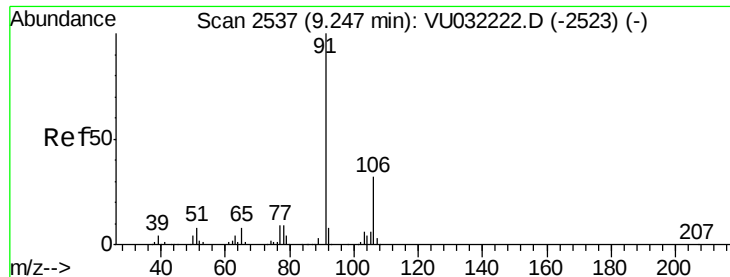
#51
Chlorobenzene
Concen: 4.970 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion:112 Resp: 181920
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 57.8 46.8 70.2



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





#52

Ethylbenzene

Concen: 4.839 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

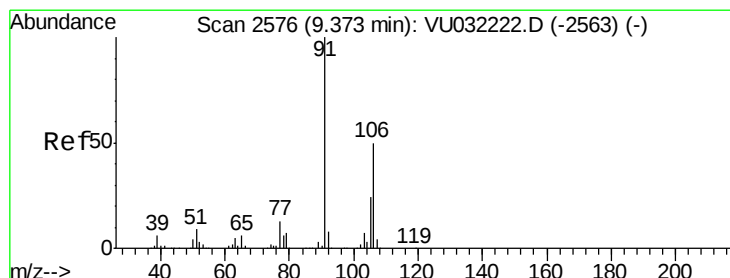
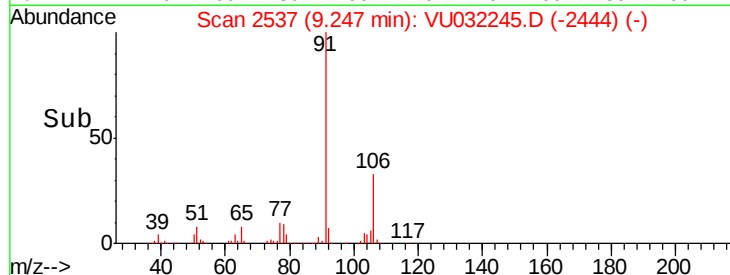
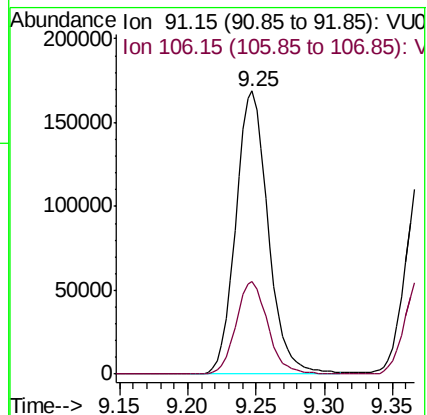
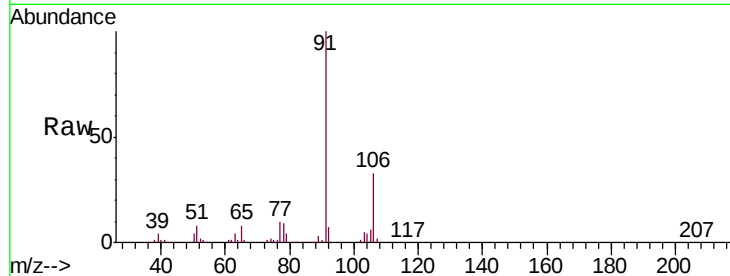
VSTD00511

Tgt Ion: 91 Resp: 278618

Ion Ratio Lower Upper

91 100

106 32.7 20.9 38.9



#53

m,p-Xylene

Concen: 4.911 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU032245.D

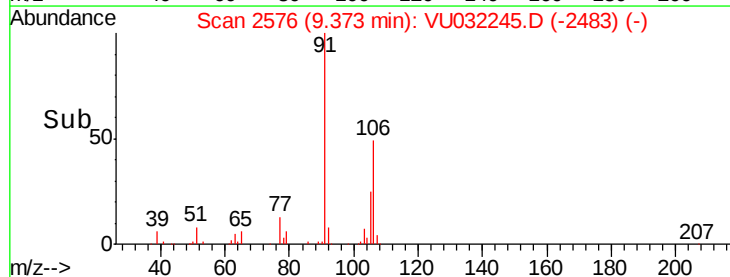
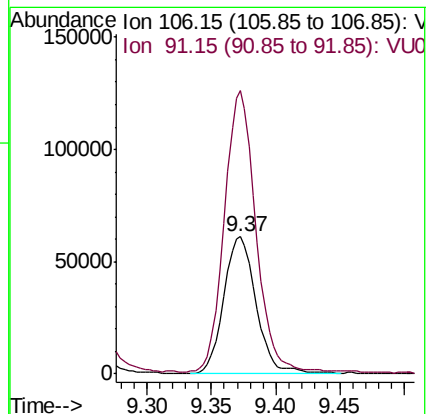
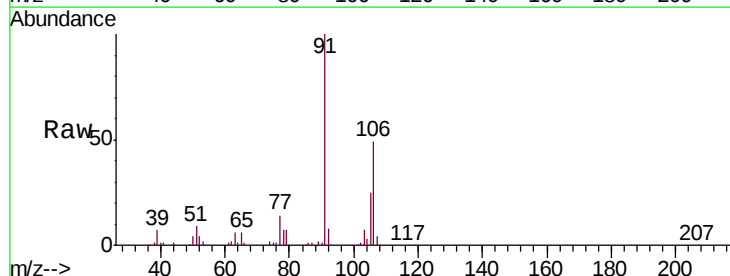
Acq: 23 May 2019 01:00

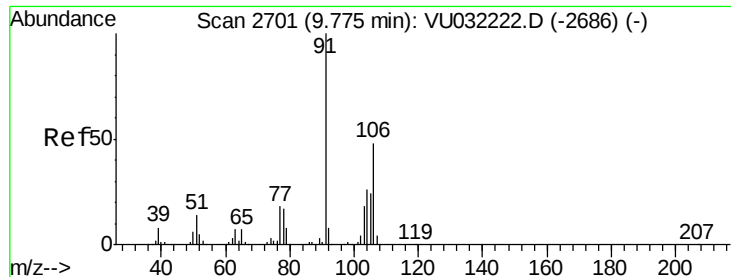
Tgt Ion: 106 Resp: 105136

Ion Ratio Lower Upper

106 100

91 206.0 143.9 267.2

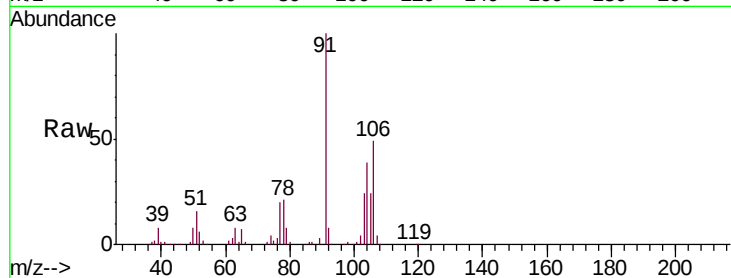




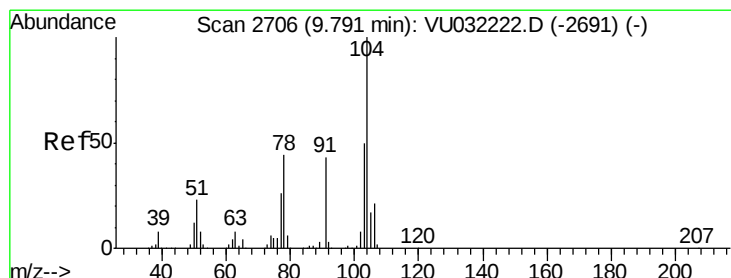
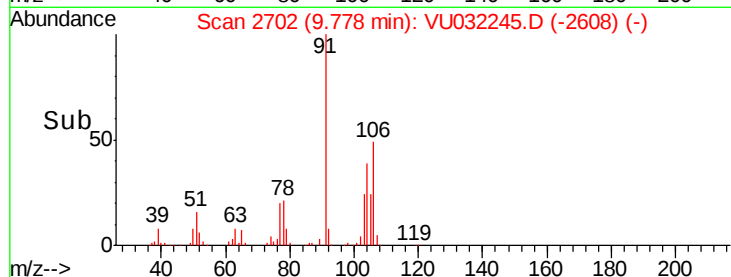
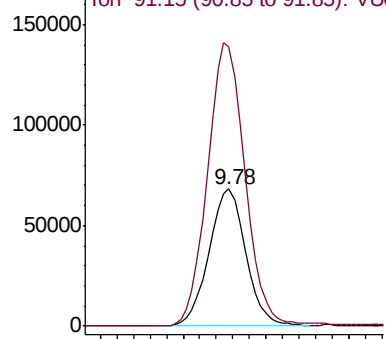
#54
o-Xylene
Concen: 4.947 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:106 Resp: 105835
Ion Ratio Lower Upper
106 100
91 203.8 147.8 274.4

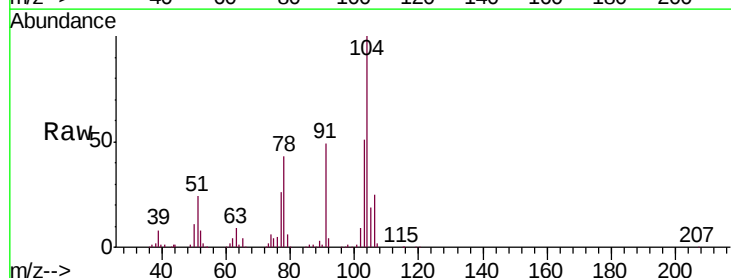


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

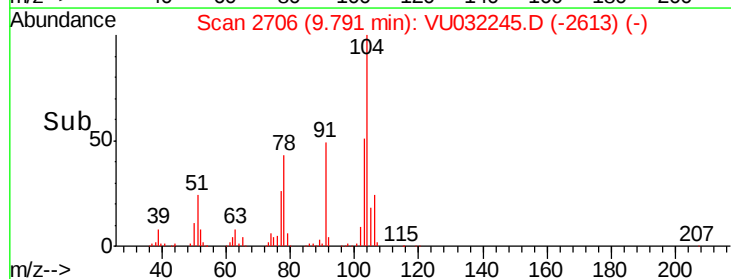
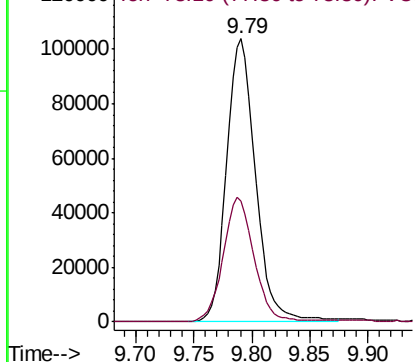


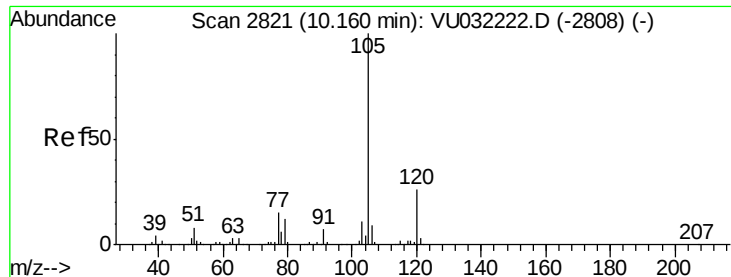
#55
Styrene
Concen: 5.009 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU032245.D
Acq: 23 May 2019 01:00

Tgt Ion:104 Resp: 179293
Ion Ratio Lower Upper
104 100
78 42.5 30.3 56.3



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





#56

Isopropylbenzene

Concen: 4.899 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

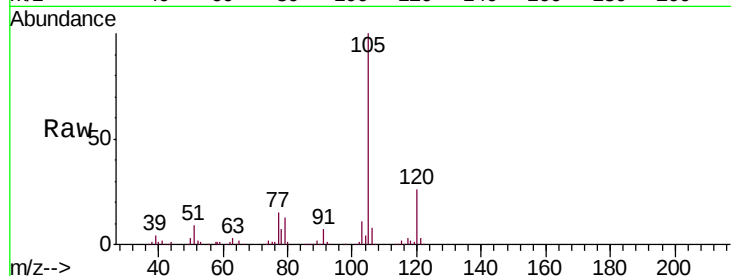
Tgt Ion: 105 Resp: 264950

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

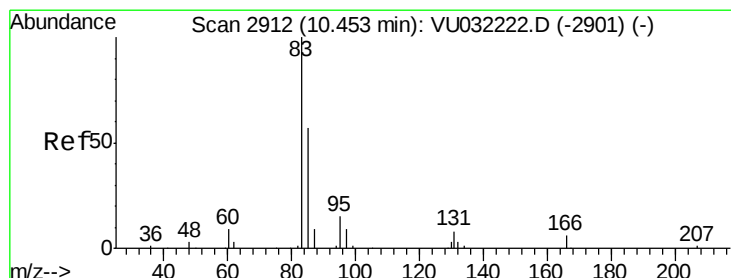
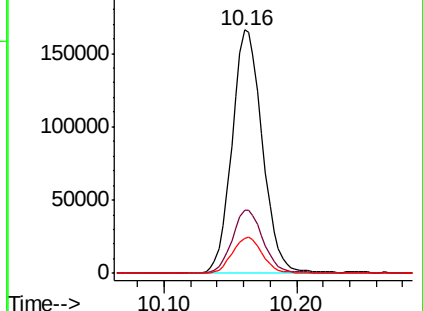
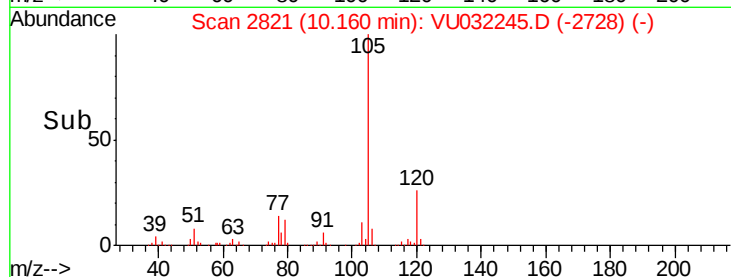
77 14.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.953 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

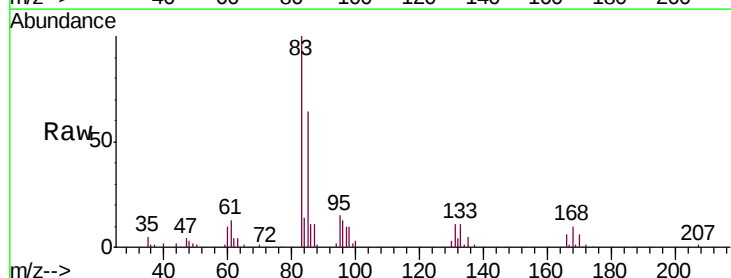
Tgt Ion: 83 Resp: 59704

Ion Ratio Lower Upper

83 100

85 64.1 46.5 86.3

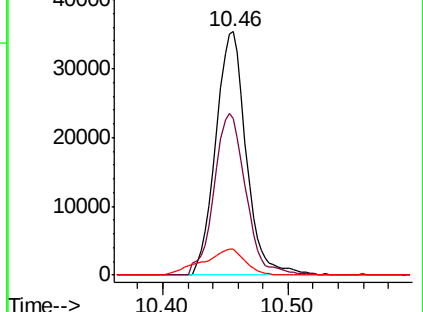
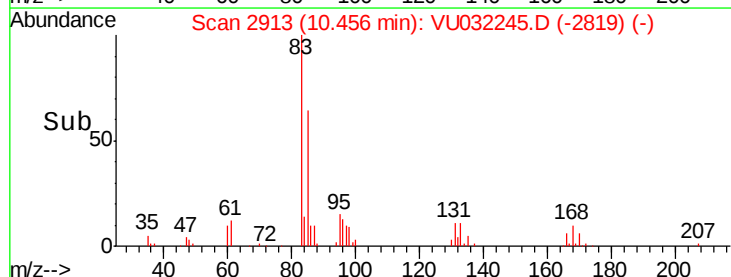
131 10.5 7.8 11.6

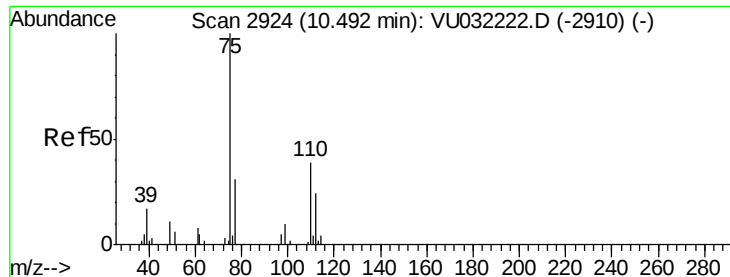


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.862 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

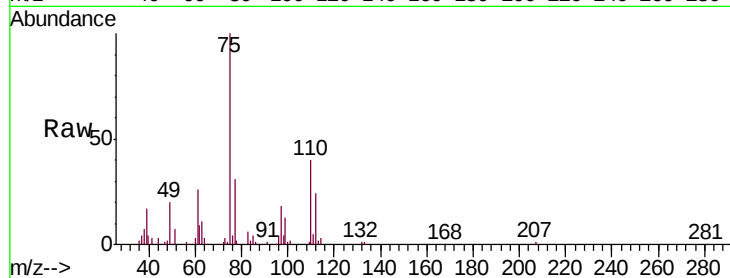
VSTD00511

Tgt Ion: 75 Resp: 41040

Ion Ratio Lower Upper

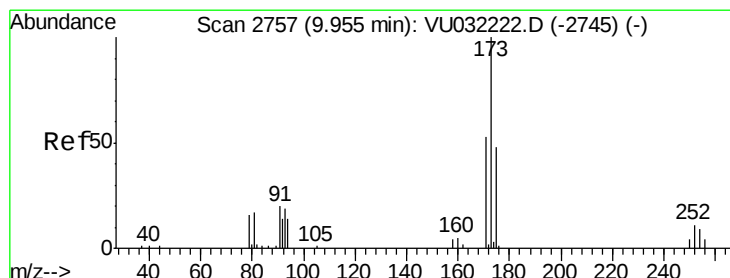
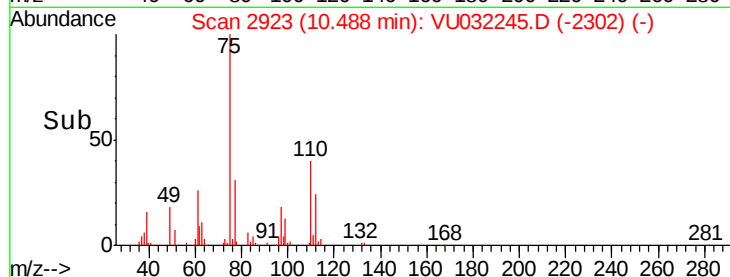
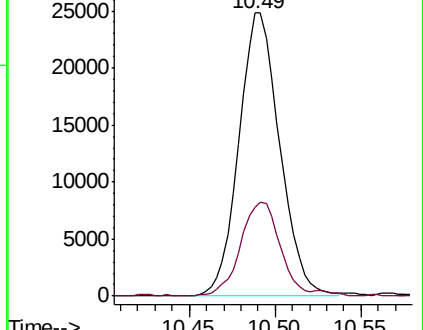
75 100

77 32.0 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU032222.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU032222.D (-2910) (-)



#61

Bromoform

Concen: 5.183 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

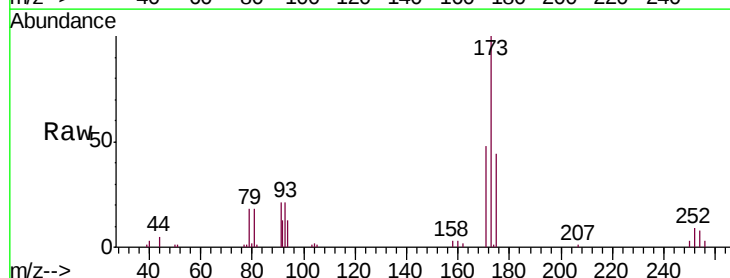
Tgt Ion: 173 Resp: 32627

Ion Ratio Lower Upper

173 100

175 46.4 40.1 60.1

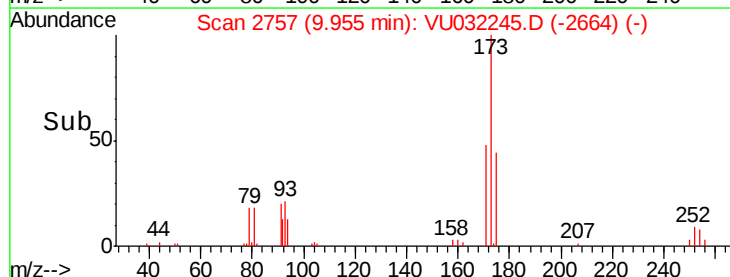
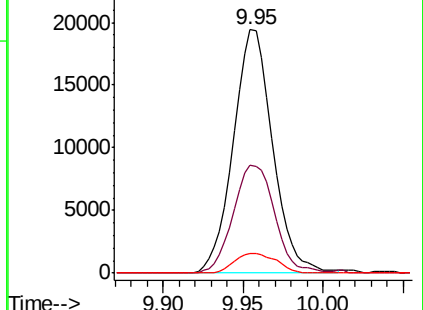
254 8.5 7.8 11.6

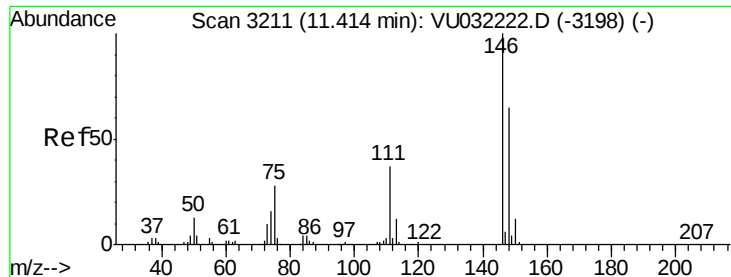


Abundance Ion 172.90 (172.60 to 173.60): VU032222.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU032222.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU032222.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

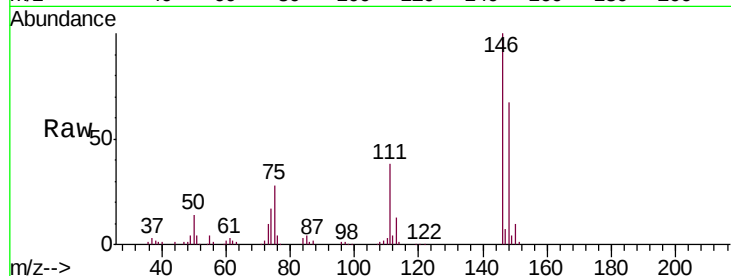
Tgt Ion:146 Resp: 128566

Ion Ratio Lower Upper

146 100

111 37.9 28.2 52.4

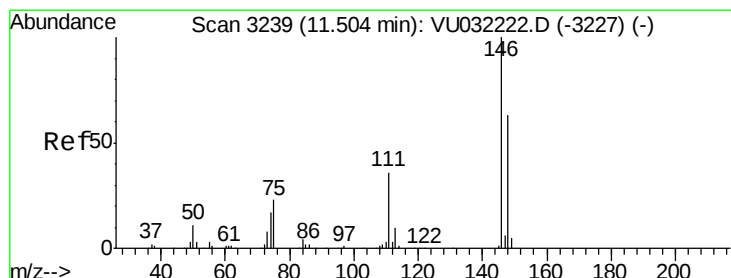
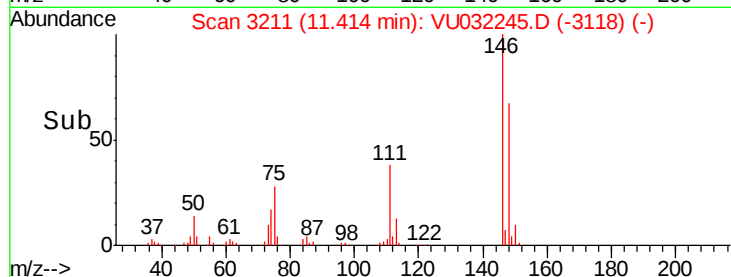
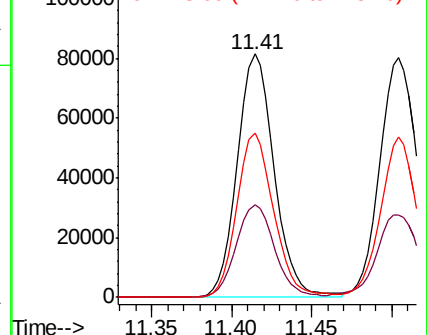
148 67.3 46.0 85.4



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: 4.969 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

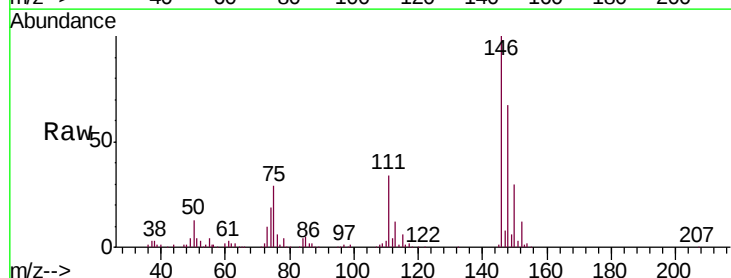
Tgt Ion:146 Resp: 135327

Ion Ratio Lower Upper

146 100

111 34.4 26.6 49.4

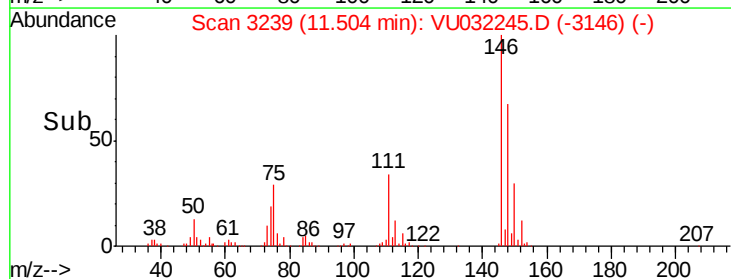
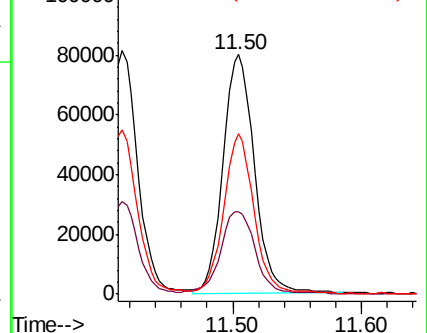
148 66.9 45.2 84.0

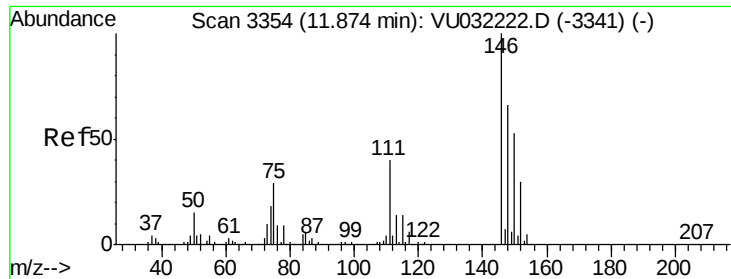


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.164 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

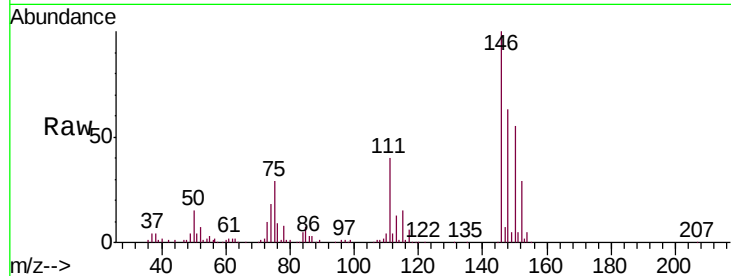
Tgt Ion:146 Resp: 136028

Ion Ratio Lower Upper

146 100

111 39.5 33.9 50.9

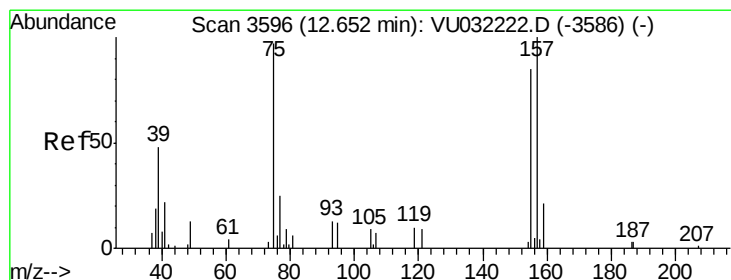
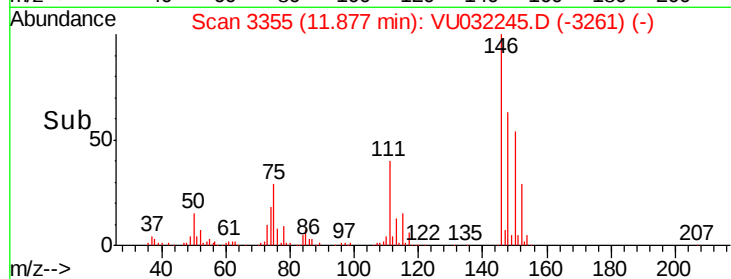
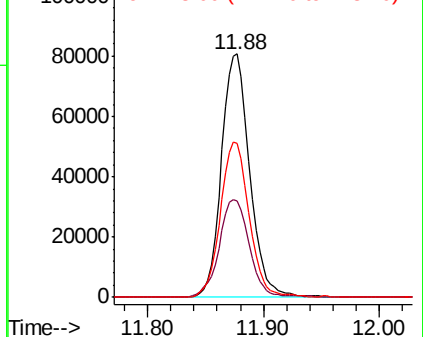
148 63.1 54.3 81.5



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: 5.262 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

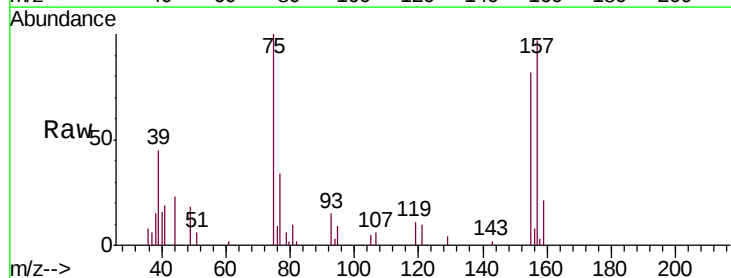
Tgt Ion: 75 Resp: 8950

Ion Ratio Lower Upper

75 100

155 82.2 69.3 103.9

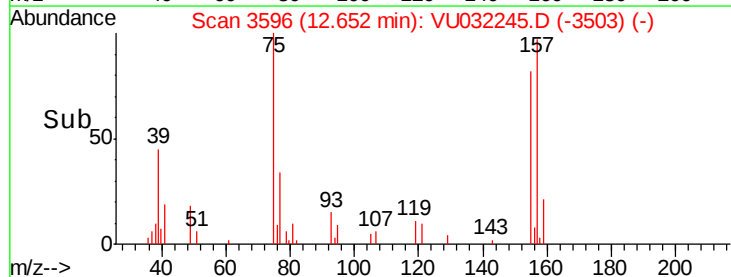
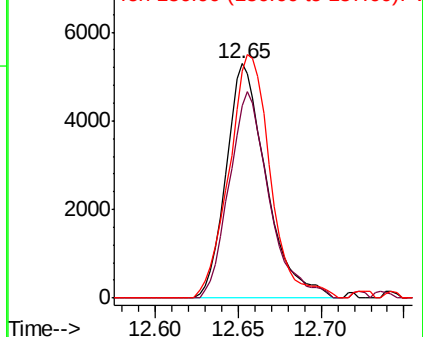
157 97.1 90.6 135.8

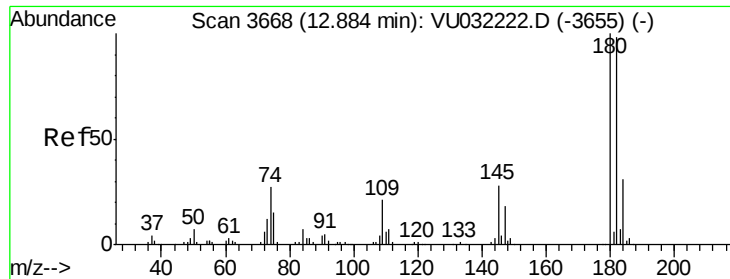


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

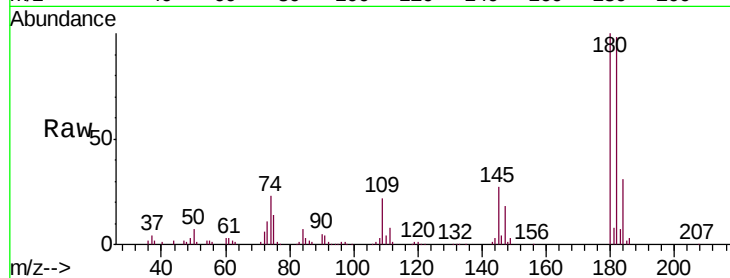




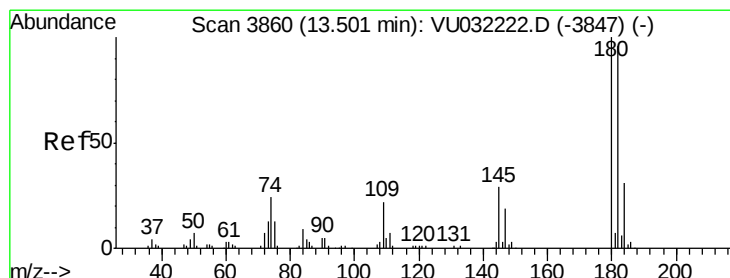
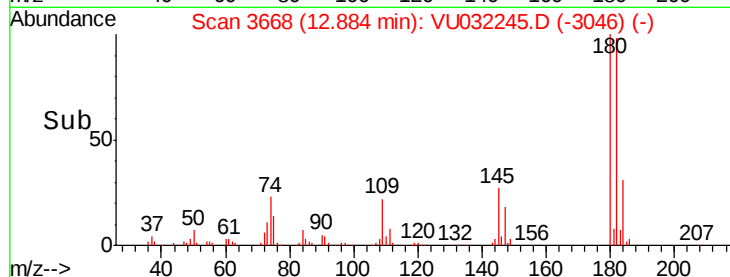
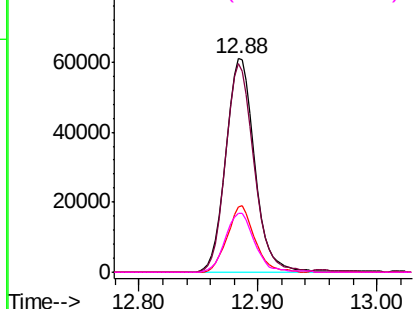
#67
 1,3,5-Trichlorobenzene
 Concen: 5.199 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:	180	Resp:	102741
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
184	29.6	24.3	36.5
145	28.2	23.6	35.4

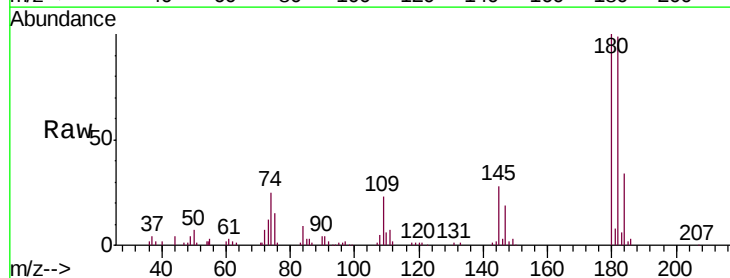


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

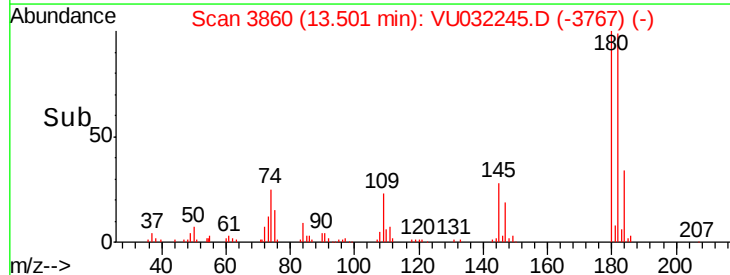
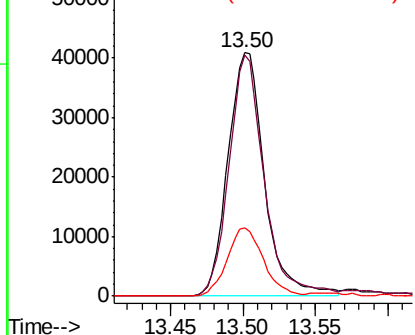


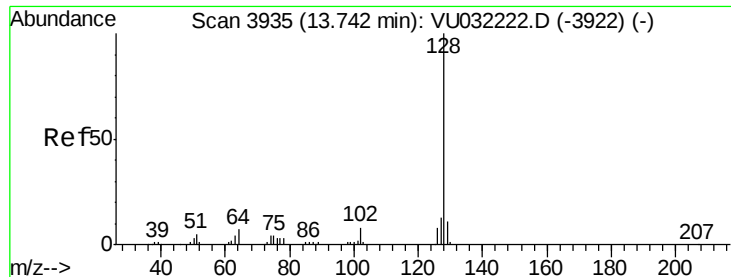
#68
 1,2,4-trichlorobenzene
 Concen: 5.121 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU032245.D
 Acq: 23 May 2019 01:00

Tgt Ion:	180	Resp:	71360
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
145	27.9	21.7	32.5



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: 4.741 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

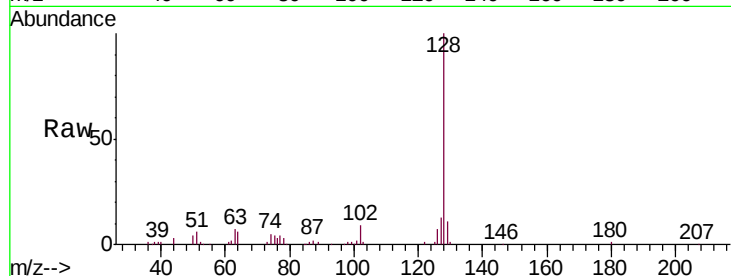
Tgt Ion:128 Resp: 101068

Ion Ratio Lower Upper

128 100

129 10.4 9.2 13.8

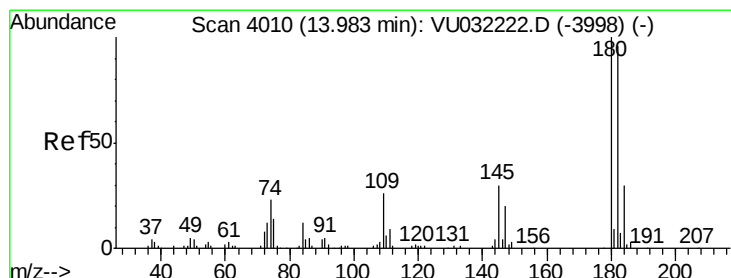
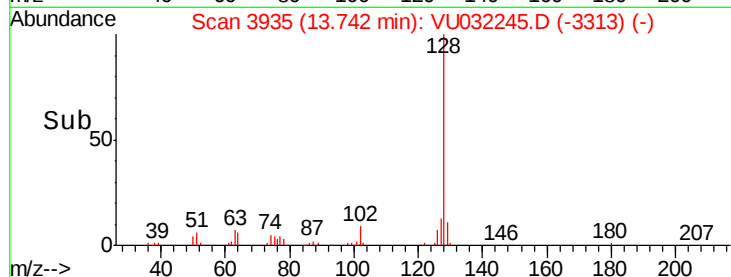
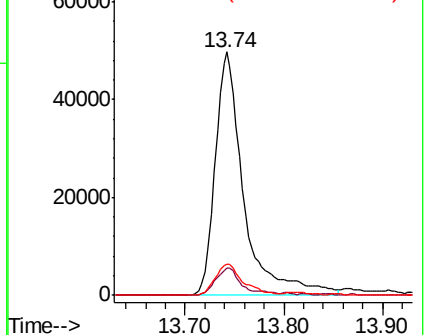
127 12.7 11.1 16.7



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: 4.849 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU032245.D

Acq: 23 May 2019 01:00

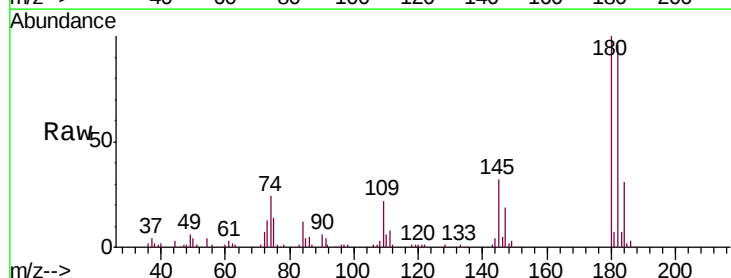
Tgt Ion:180 Resp: 71518

Ion Ratio Lower Upper

180 100

182 98.2 74.6 111.8

145 29.1 23.4 35.0



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

