

Data File : VU033166.D
Acq On : 03 Jul 2019 12:19
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Jul 04 01:16:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 02:14:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	88077	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	89825	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47238	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23634	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.68	69	21322	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.27	63	57618	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.19	46	91084	49.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.14%
24) Chloroform-d	4.64	84	58856	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.30	65	31978	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.33	84	103475	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.32	67	34696	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.56	98	96944	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.85	79	13864	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.31	63	60340	47.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29651	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	40771	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	45869	5.083	ug/L 100
3) Chloromethane	1.33	50	45588	5.243	ug/L 99
5) Vinyl chloride	1.40	62	44200	5.172	ug/L 97
6) Bromomethane	1.62	94	25135	5.130	ug/L 98
8) Chloroethane	1.69	64	25826	4.975	ug/L 97
9) Trichlorofluoromethane	1.88	101	64848	5.311	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33349	5.254	ug/L 99
12) 1,1-Dichloroethene	2.28	96	29615	5.153	ug/L 93
13) Acetone	2.32	43	76712	51.412	ug/L 99
14) Carbon disulfide	2.47	76	95112	5.019	ug/L 99
15) Methyl Acetate	2.61	43	17985	5.084	ug/L 99
16) Methylene chloride	2.69	84	34106	5.048	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	85180	5.114	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	32149	5.070	ug/L 98
19) 1,1-Dichloroethane	3.43	63	64427	5.061	ug/L 100
21) 2-Butanone	4.27	43	107325	49.727	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	35147	5.013	ug/L 91

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Jul 04 01:16:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 02:14:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	16724	5.123	ug/L	98
25) Chloroform	4.66	83	68480	4.864	ug/L	100
27) 1,2-Dichloroethane	5.40	62	45190	4.957	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	57847	4.999	ug/L	99
30) Cyclohexane	4.98	56	51429	4.868	ug/L	99
31) Carbon tetrachloride	5.12	117	52237	5.043	ug/L	98
33) Benzene	5.38	78	135009	5.101	ug/L	100
34) Trichloroethene	6.18	95	36952	5.117	ug/L	98
35) Methylcyclohexane	6.41	83	54081	5.035	ug/L	99
37) 1,2-Dichloropropane	6.43	63	37292	5.121	ug/L	100
38) Bromodichloromethane	6.75	83	47788	5.029	ug/L	94
39) cis-1,3-Dichloropropene	7.26	75	51893	5.052	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	252447	49.935	ug/L	99
42) Toluene	7.63	91	146943	5.156	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	43785	5.118	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	25642	5.022	ug/L	98
47) Tetrachloroethene	8.22	164	30532	5.090	ug/L	95
48) 2-Hexanone	8.36	43	187979	51.258	ug/L	99
49) Dibromochloromethane	8.47	129	32256	5.050	ug/L	98
50) 1,2-Dibromoethane	8.58	107	25410	5.201	ug/L	100
51) Chlorobenzene	9.11	112	96439	5.134	ug/L	99
52) Ethylbenzene	9.24	91	155423	4.978	ug/L	99
53) m,p-Xylene	9.37	106	59868	5.251	ug/L	97
54) o-Xylene	9.77	106	57108	5.134	ug/L	96
55) Styrene	9.79	104	98285	5.237	ug/L	99
56) Isopropylbenzene	10.16	105	155717	5.203	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	33209	5.123	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	23970	4.838	ug/L	100
61) Bromoform	9.95	173	18356	5.140	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	76426	5.153	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	77558	5.035	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	75229	5.184	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5097	5.114	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	60486	5.213	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	42900	5.195	ug/L	98
69) Naphthalene	13.74	128	59680	4.933	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	39568	5.040	ug/L	98

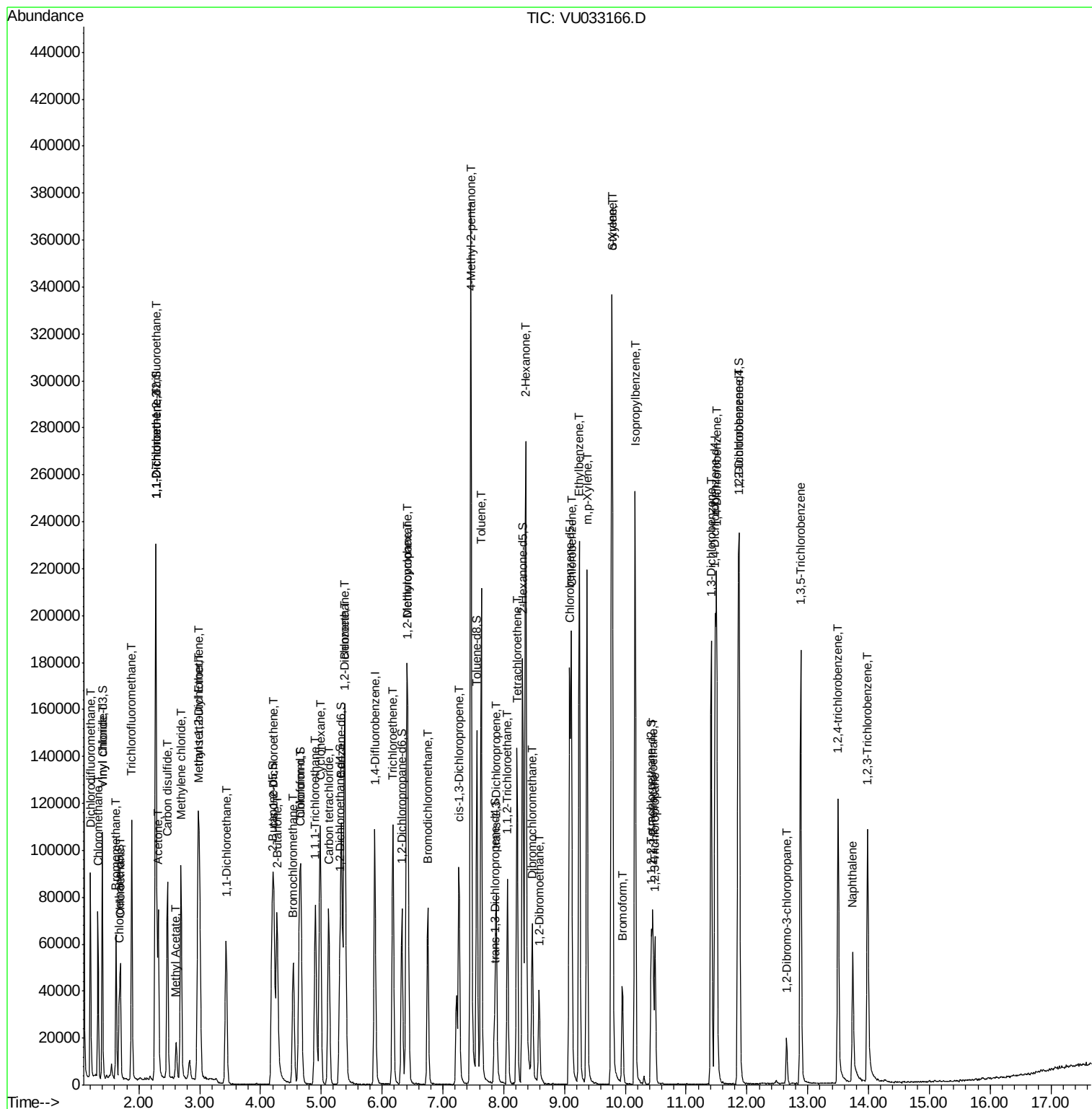
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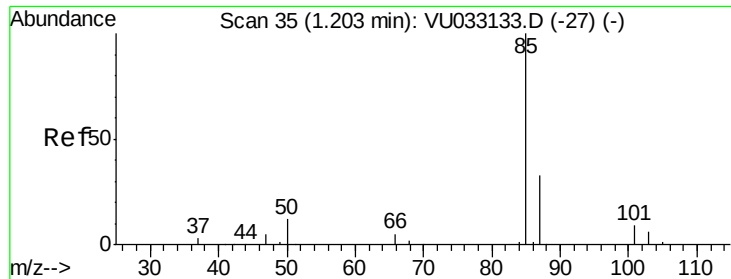
Data File : VU033166.D

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Acq On       : 03 Jul 2019   12:19
Operator     : JC/SP
Sample       : VSTDCCC005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Jul 04 01:16:40 2019
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#2

Dichlorodifluoromethane

Concen: 5.083 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

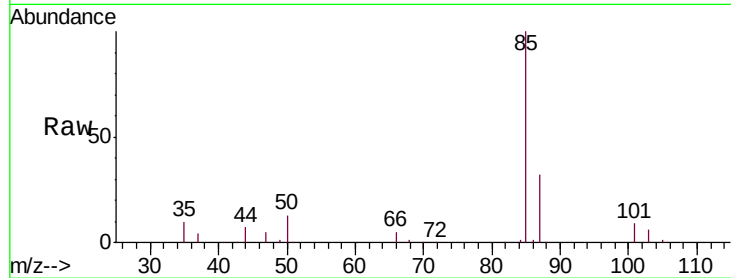
VSTD00512

Tgt Ion: 85 Resp: 45869

Ion Ratio Lower Upper

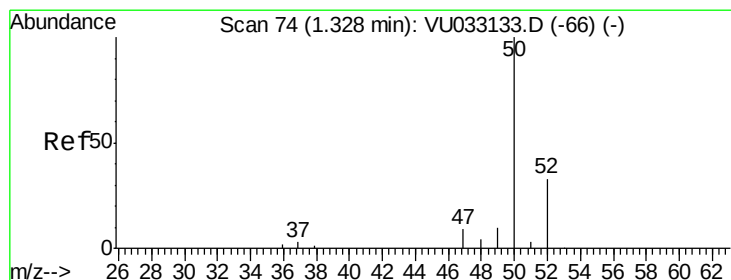
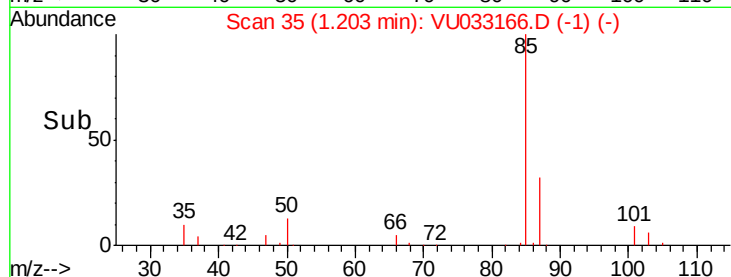
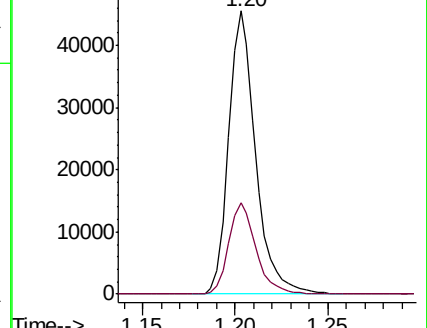
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033133.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033133.D (-27) (-)



#3

Chloromethane

Concen: 5.243 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033166.D

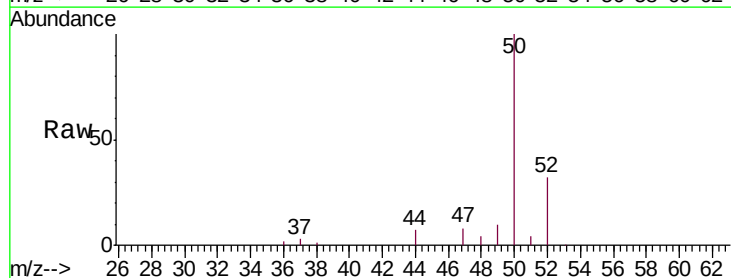
Acq: 03 Jul 2019 12:19

Tgt Ion: 50 Resp: 45588

Ion Ratio Lower Upper

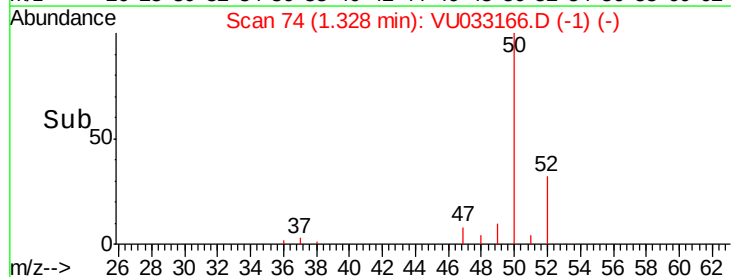
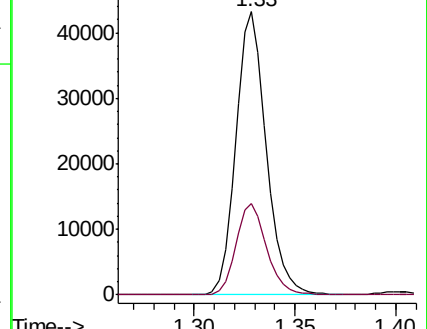
50 100

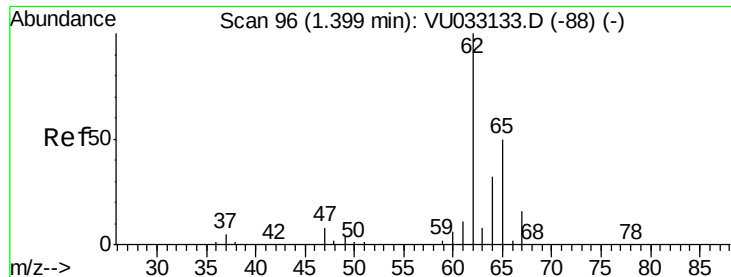
52 32.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU033133.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU033133.D (-66) (-)





#5

Vinyl chloride

Concen: 5.172 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

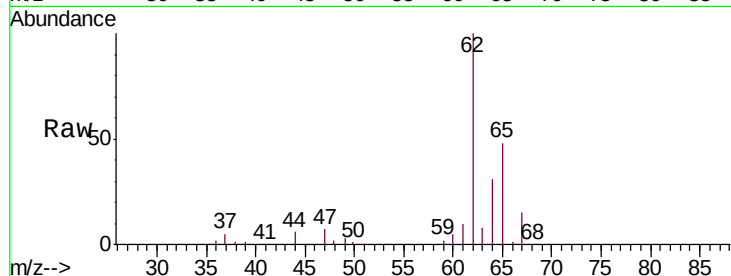
VSTD00512

Tgt Ion: 62 Resp: 44200

Ion Ratio Lower Upper

62 100

64 30.9 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) (-)

1.40

40000

30000

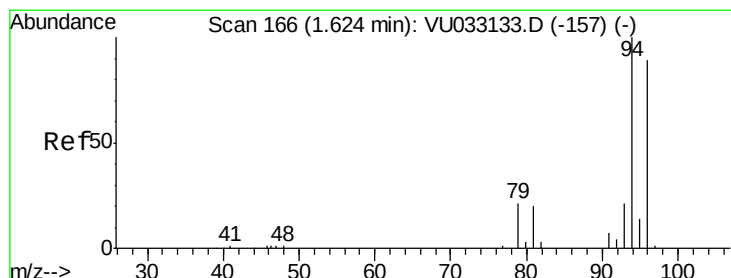
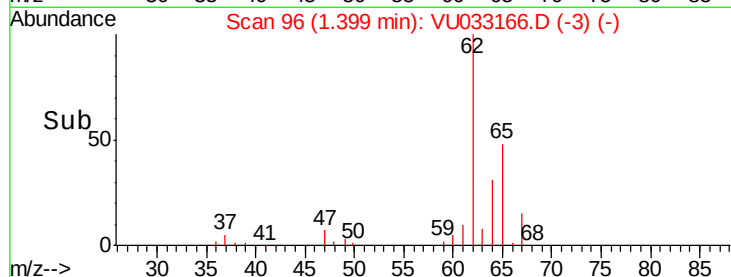
20000

10000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 5.130 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033166.D

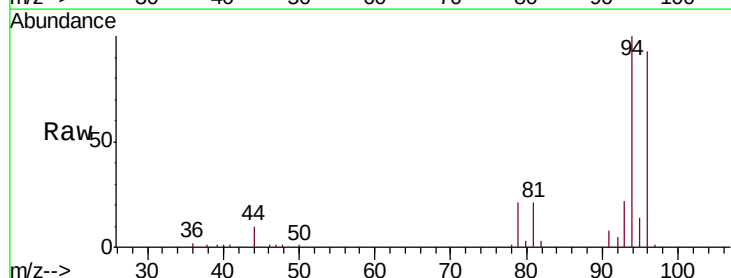
Acq: 03 Jul 2019 12:19

Tgt Ion: 94 Resp: 25135

Ion Ratio Lower Upper

94 100

96 92.6 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU033133.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU033133.D (-157) (-)

1.62

20000

15000

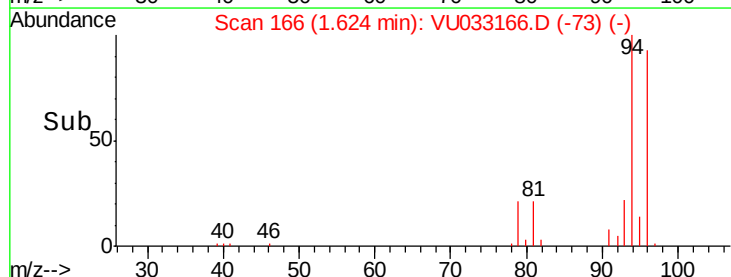
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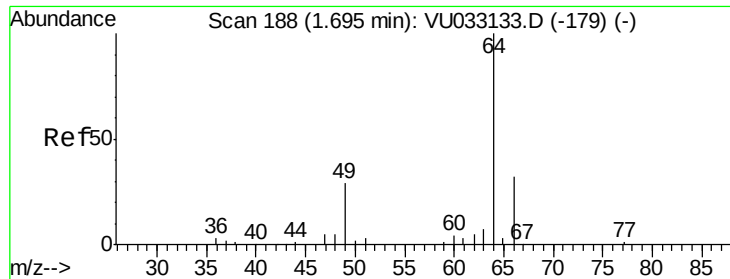
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0

Time-->

1.60 1.65 1.70

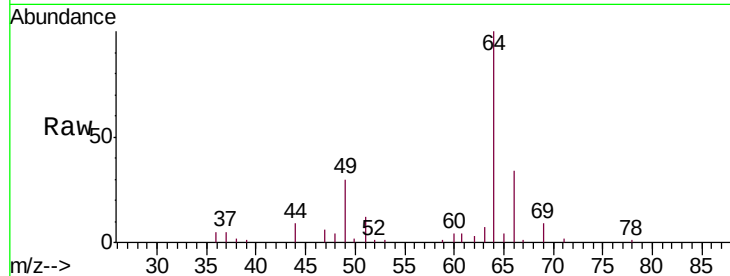




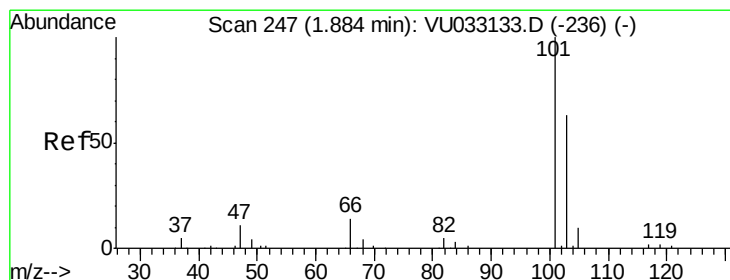
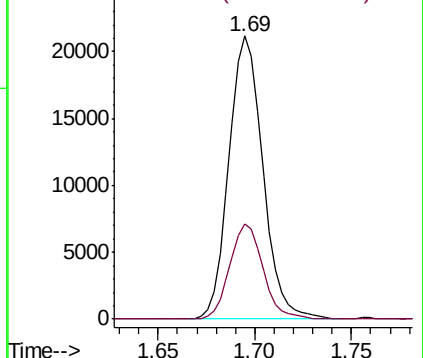
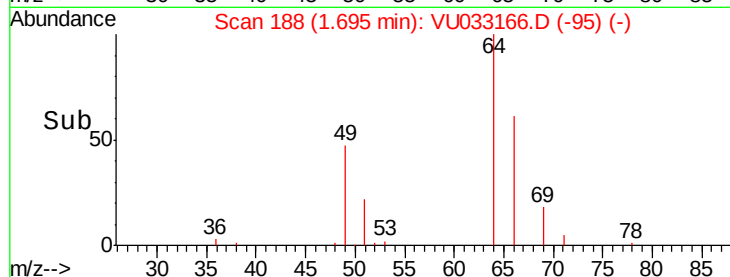
#8
Chloroethane
Concen: 4.975 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 64 Resp: 25826
Ion Ratio Lower Upper
64 100
66 33.8 22.3 41.5

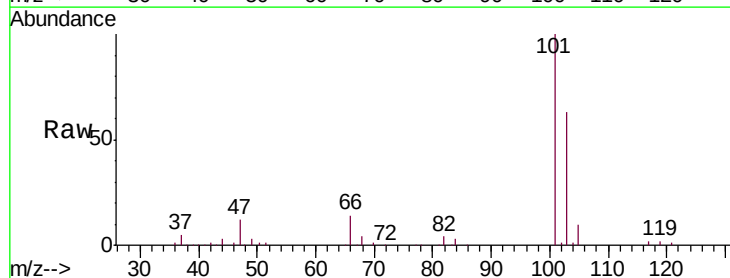


Abundance Ion 64.10 (63.80 to 64.80): VU033166.D (-95) (-)
Ion 66.05 (65.75 to 66.75): VU033166.D (-95) (-)

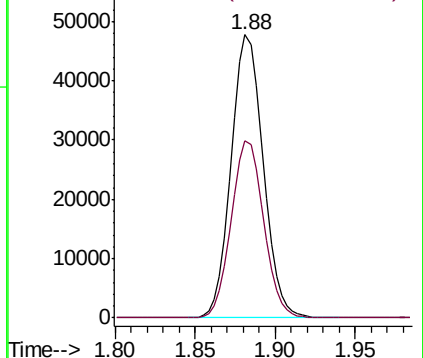
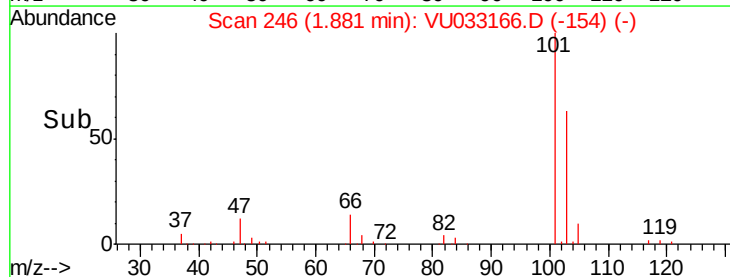


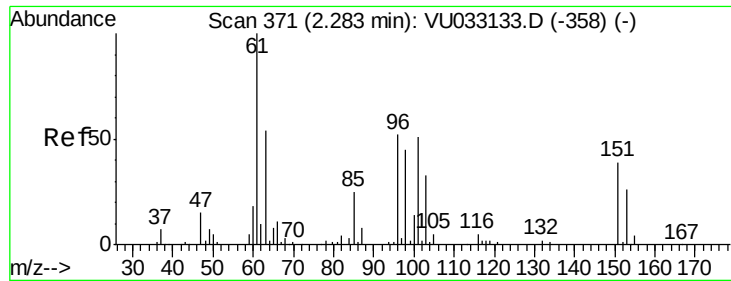
#9
Trichlorofluoromethane
Concen: 5.311 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion: 101 Resp: 64848
Ion Ratio Lower Upper
101 100
103 63.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033166.D (-154) (-)
Ion 103.00 (102.70 to 103.70): VU033166.D (-154) (-)





#10

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

Concen: 5.254 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

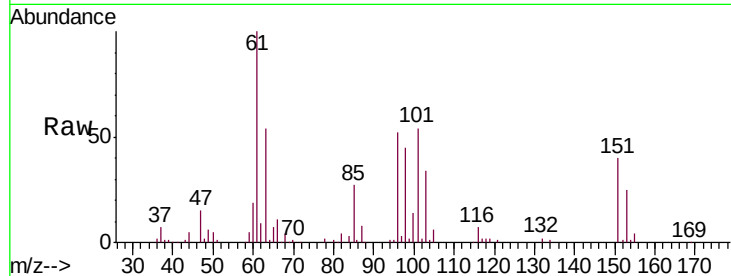
Tgt Ion:101 Resp: 33349

Ion Ratio Lower Upper

101 100

85 48.9 38.0 57.0

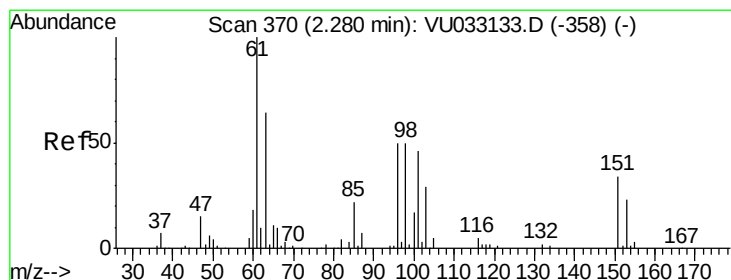
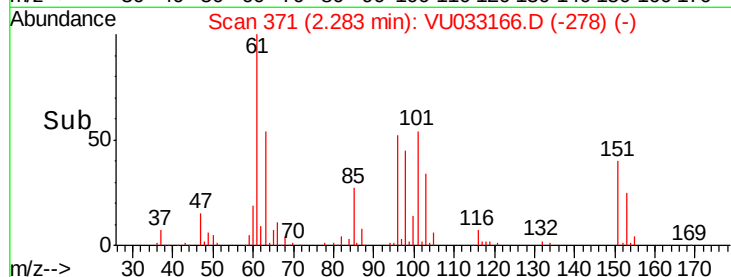
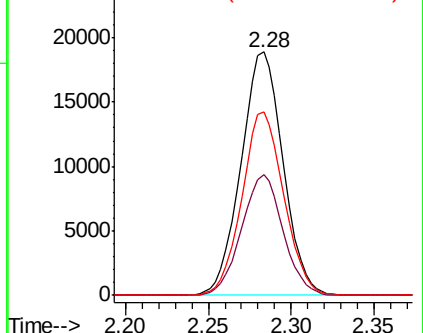
151 74.9 60.6 91.0



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: 5.153 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

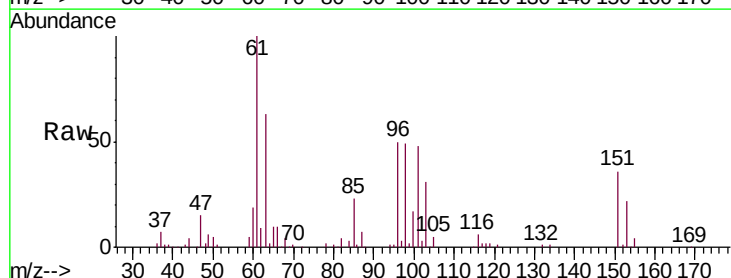
Tgt Ion: 96 Resp: 29615

Ion Ratio Lower Upper

96 100

61 198.4 135.5 251.7

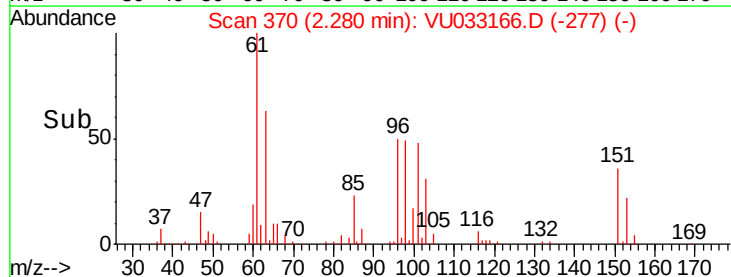
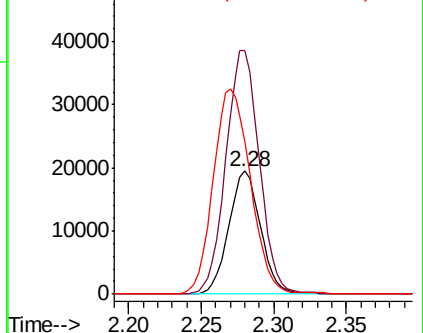
63 124.3 98.0 182.0

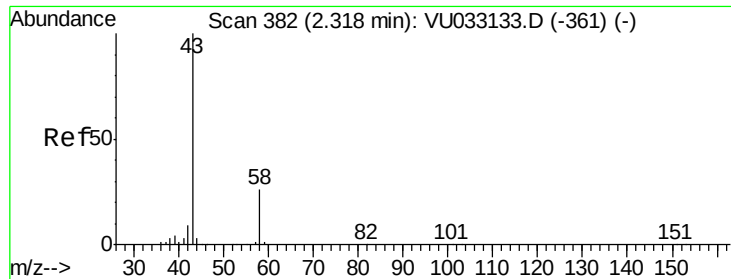


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.412 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

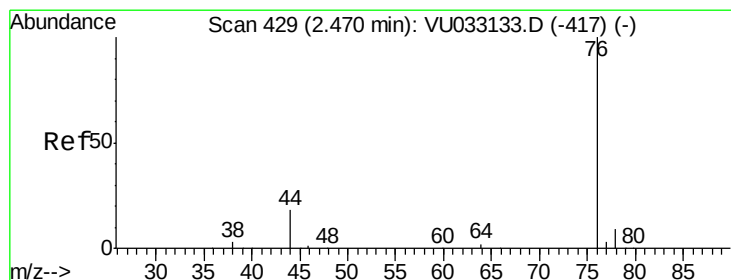
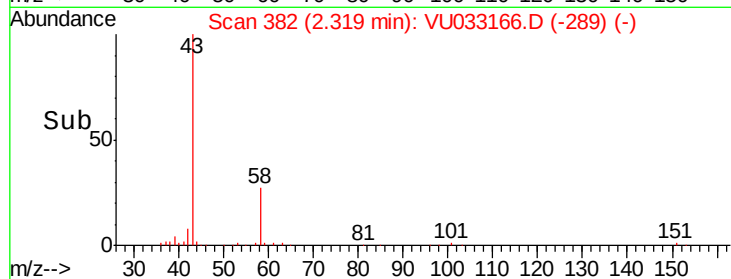
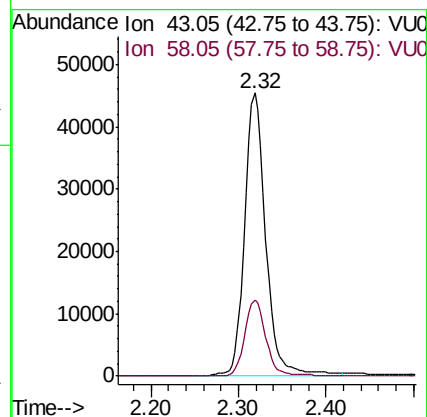
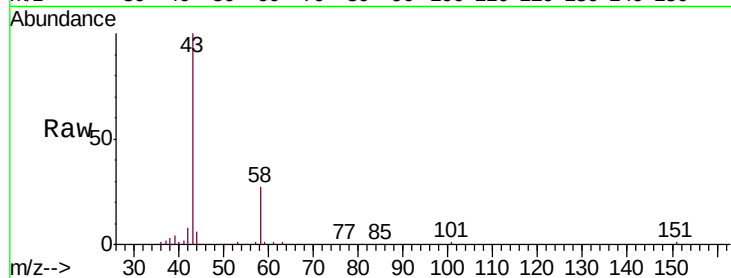
VSTD00512

Tgt Ion: 43 Resp: 76712

Ion Ratio Lower Upper

43 100

58 27.0 0.0 55.4



#14

Carbon disulfide

Concen: 5.019 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033166.D

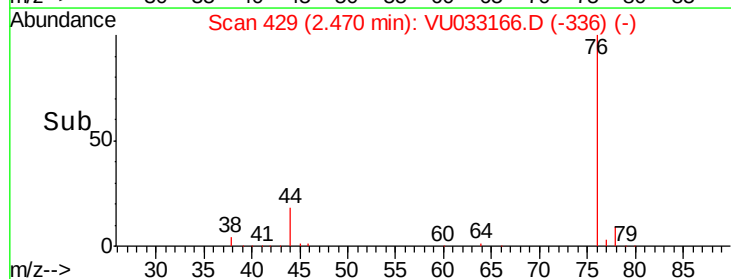
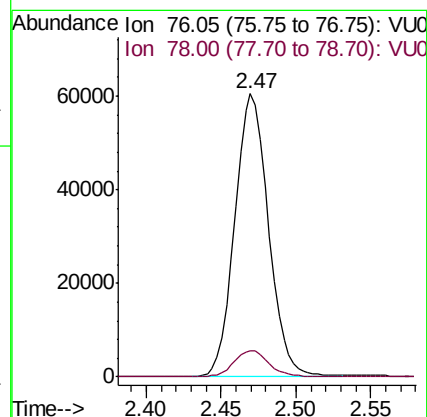
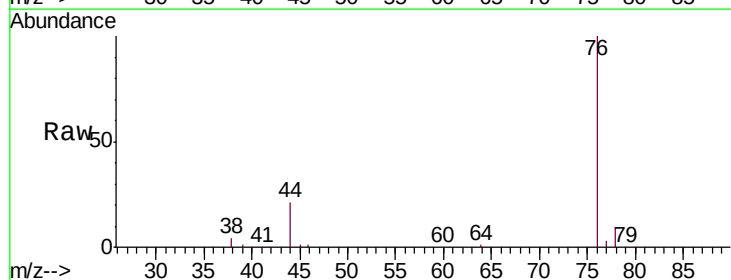
Acq: 03 Jul 2019 12:19

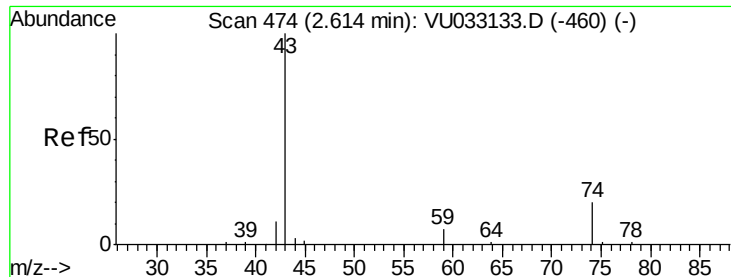
Tgt Ion: 76 Resp: 95112

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

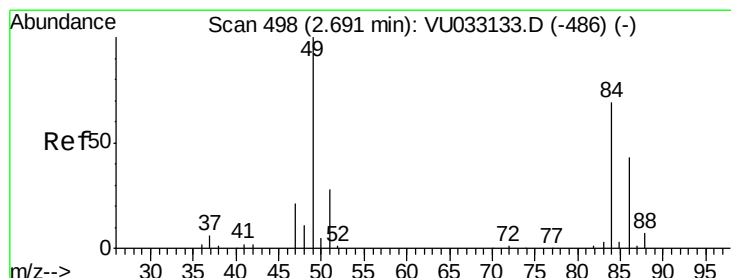
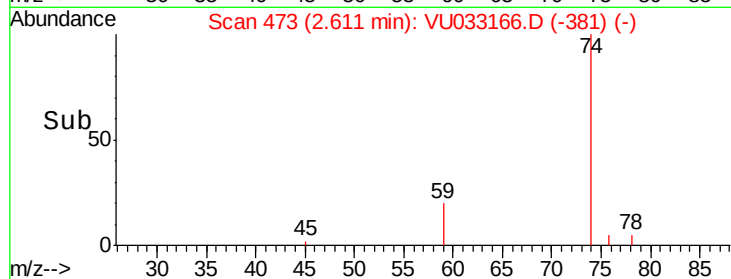
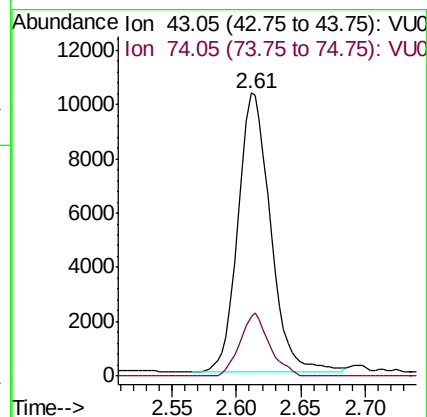
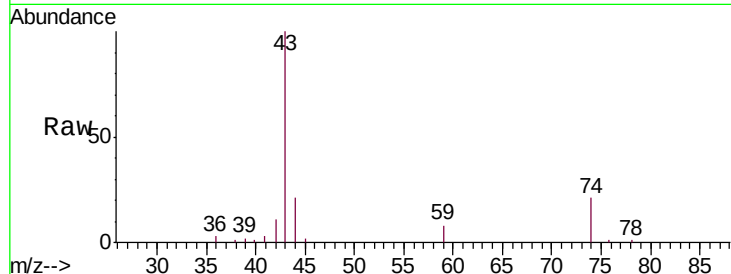




#15
Methyl Acetate
Concen: 5.084 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

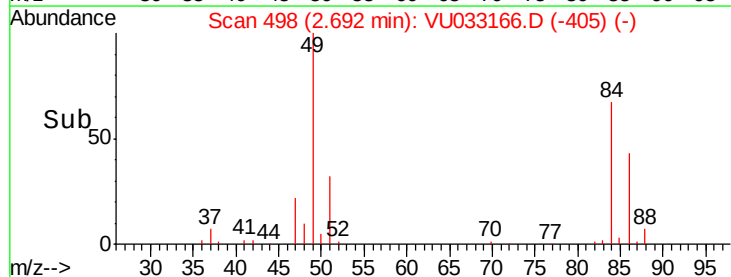
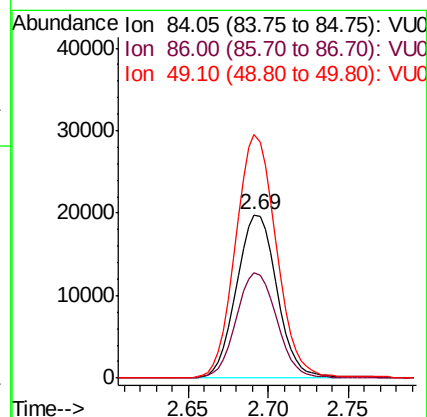
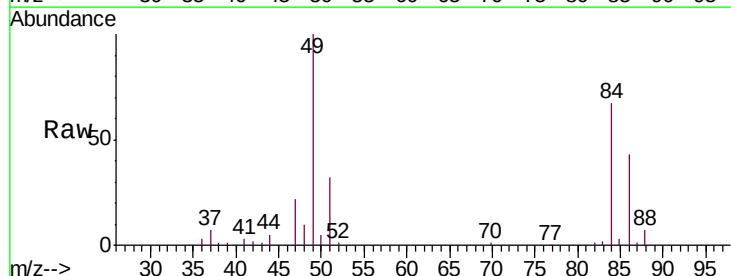
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

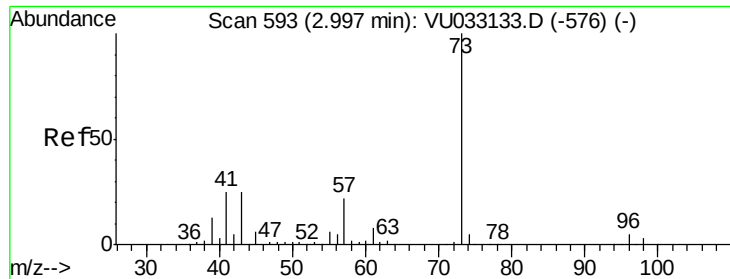
Tgt Ion: 43 Resp: 17985
Ion Ratio Lower Upper
43 100
74 20.4 16.8 25.2



#16
Methylene chloride
Concen: 5.048 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion: 84 Resp: 34106
Ion Ratio Lower Upper
84 100
86 64.3 42.8 79.6
49 149.2 99.5 184.9

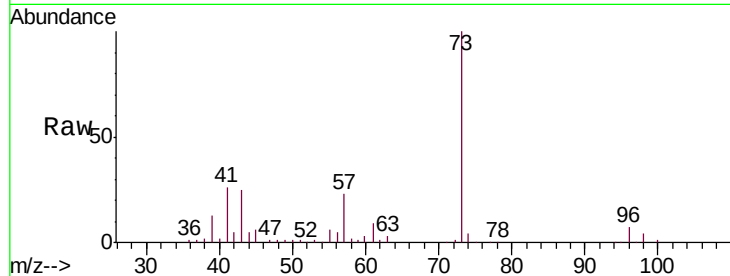




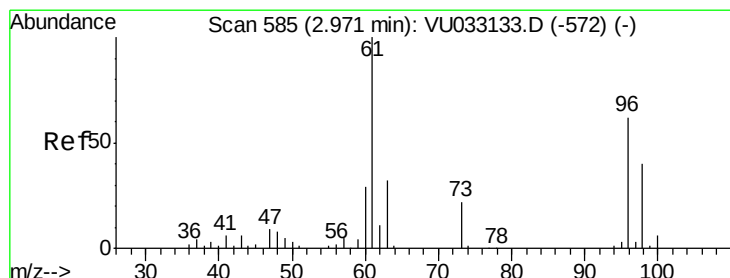
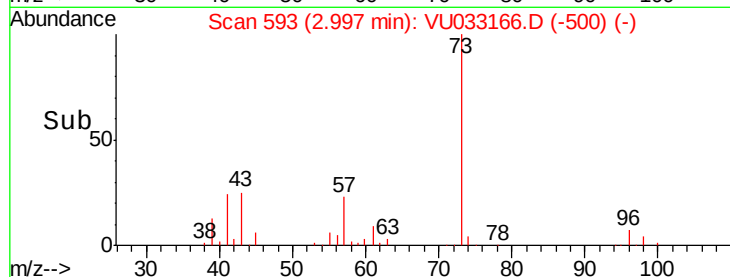
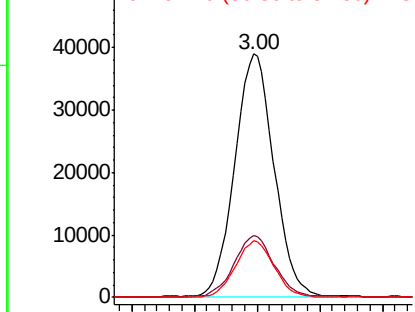
#17
Methyl tert-butyl Ether
Concen: 5.114 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 73 Resp: 85180
Ion Ratio Lower Upper
73 100
43 24.9 20.6 30.8
57 22.9 18.3 27.5

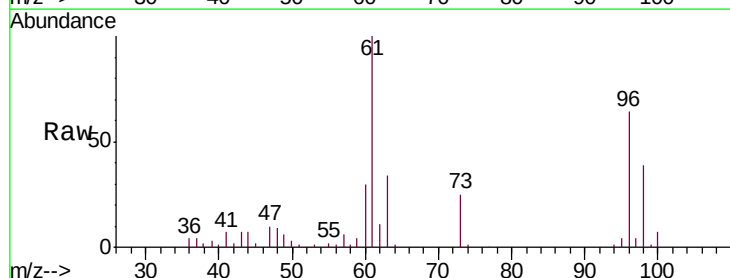


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

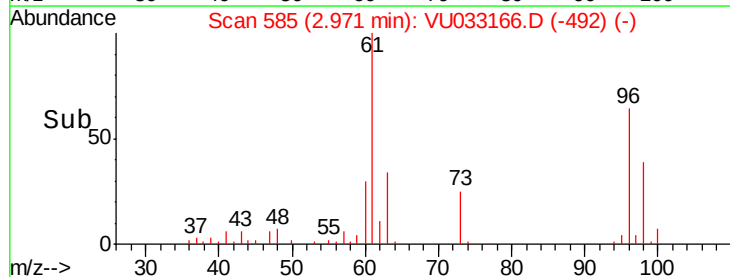
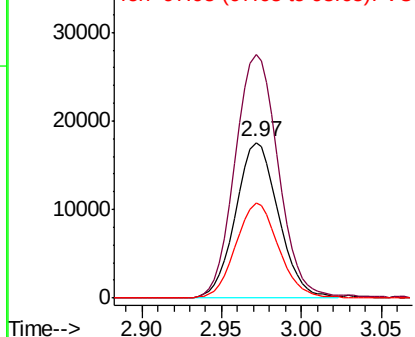


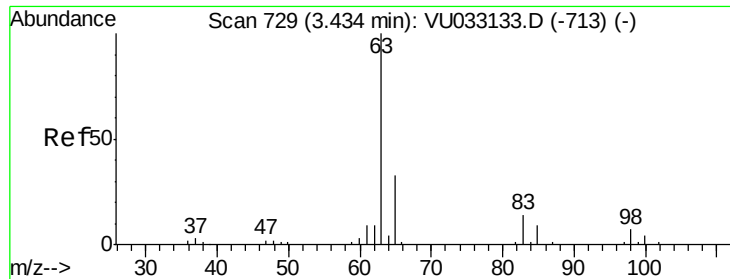
#18
trans-1,2-Dichloroethene
Concen: 5.070 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion: 96 Resp: 32149
Ion Ratio Lower Upper
96 100
61 156.1 111.3 206.7
98 60.8 44.0 81.8



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

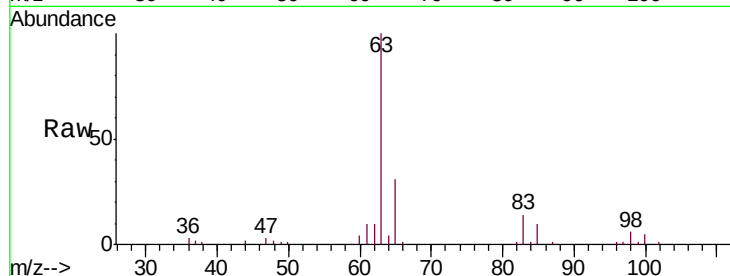




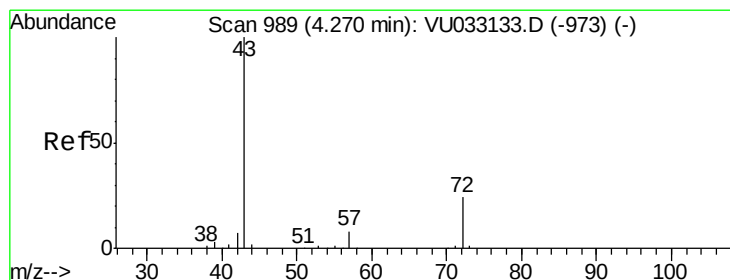
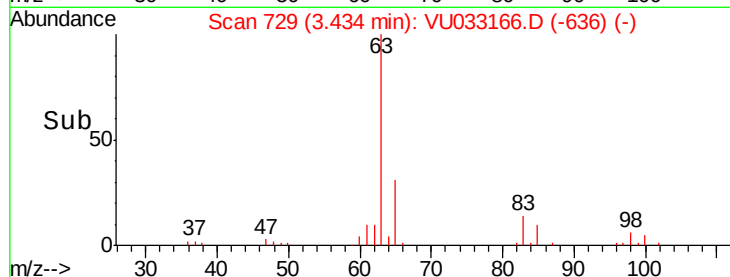
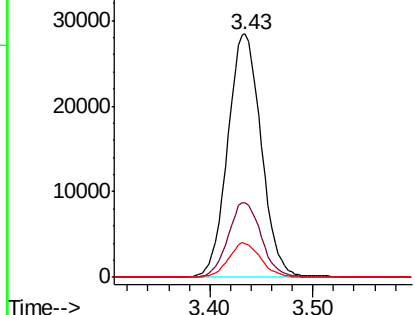
#19
 1,1-Dichloroethane
 Concen: 5.061 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion: 63 Resp: 64427
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.4 39.8
 83 14.0 9.9 18.3

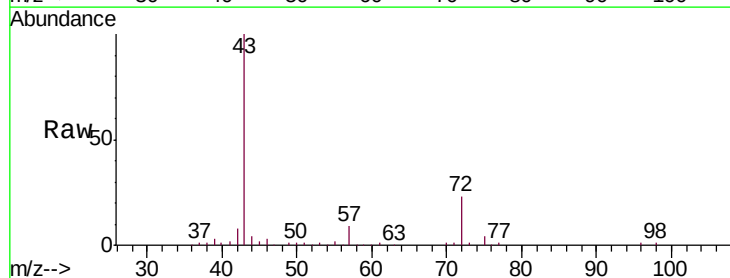


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

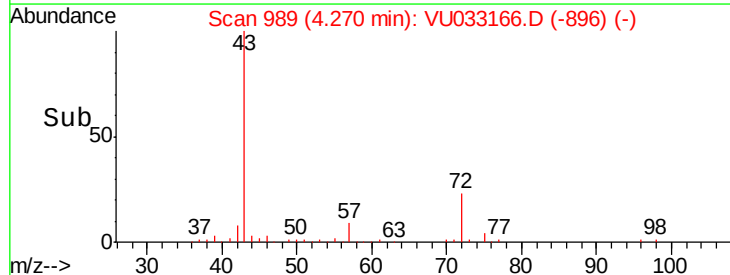
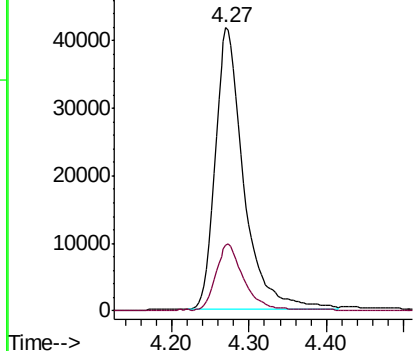


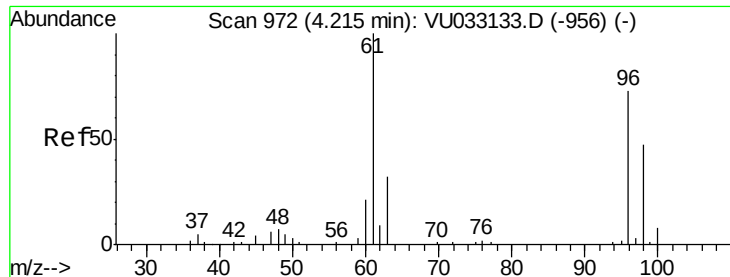
#21
 2-Butanone
 Concen: 49.727 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion: 43 Resp: 107325
 Ion Ratio Lower Upper
 43 100
 72 22.2 12.1 36.3



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



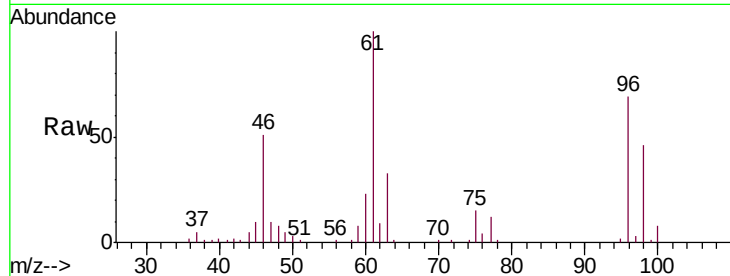


#22

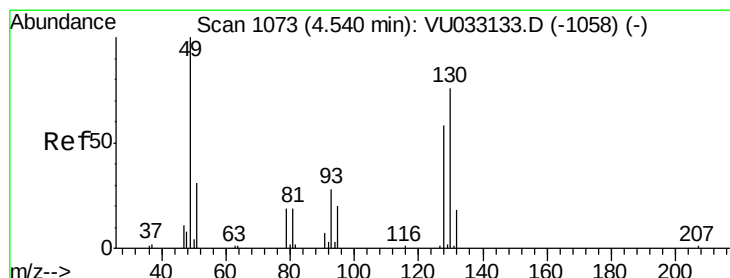
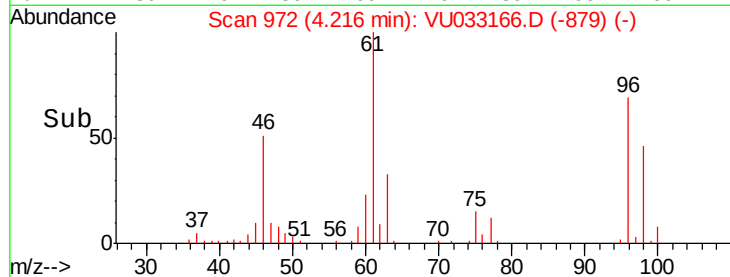
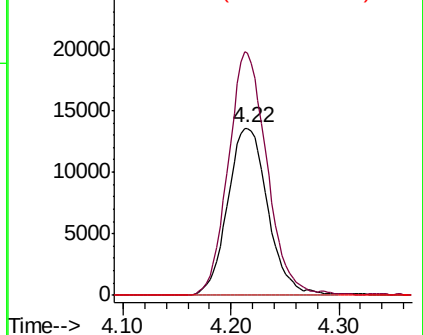
cis-1,2-Dichloroethene
Concen: 5.013 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 96 Resp: 35147
Ion Ratio Lower Upper
96 100
61 144.9 93.9 174.5
68 0.0 0.0 0.0



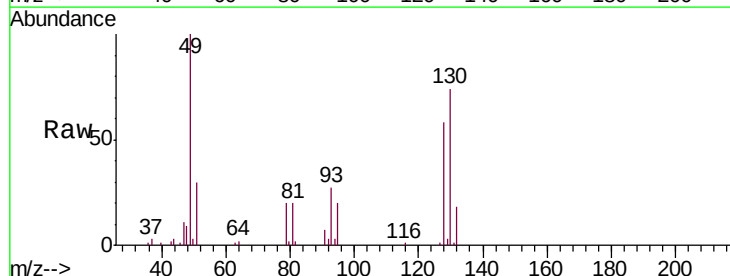
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



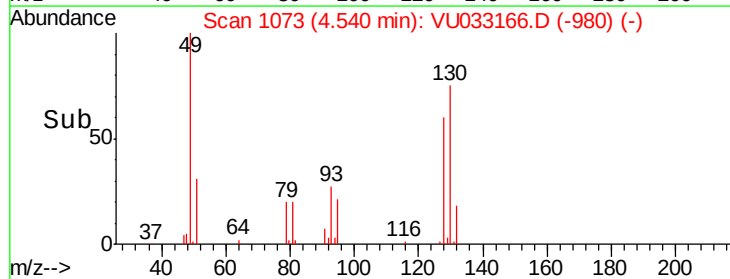
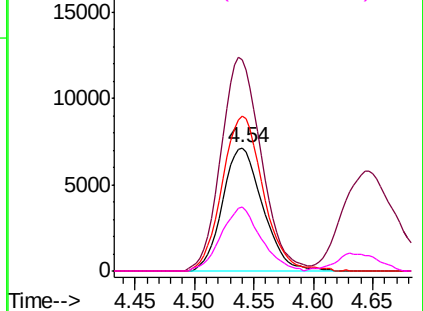
#23

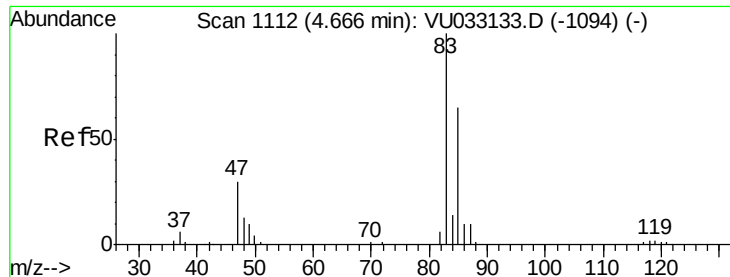
Bromochloromethane
Concen: 5.123 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion: 128 Resp: 16724
Ion Ratio Lower Upper
128 100
49 171.1 122.7 227.9
130 125.8 88.1 163.5
51 51.4 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

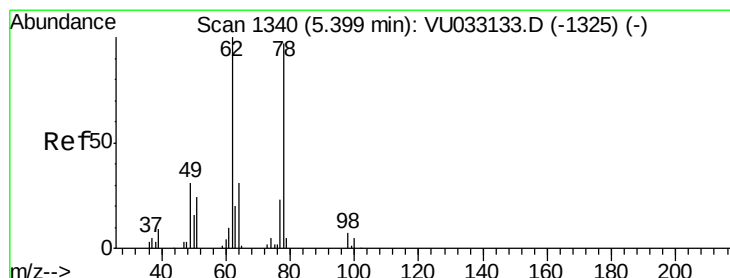
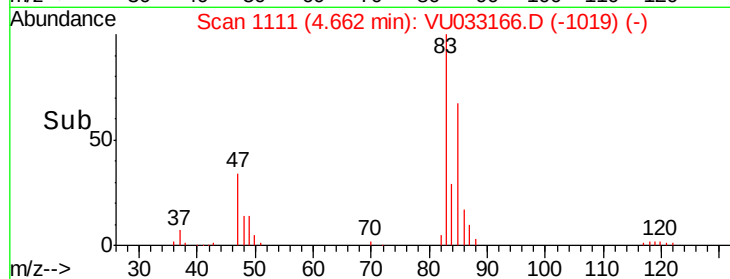
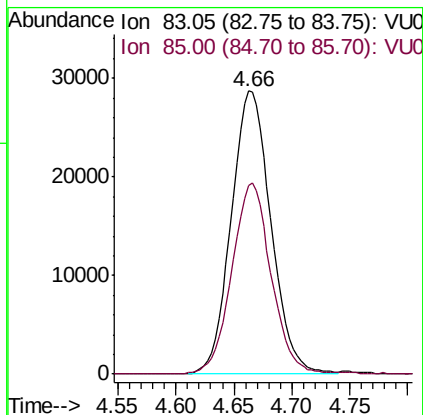
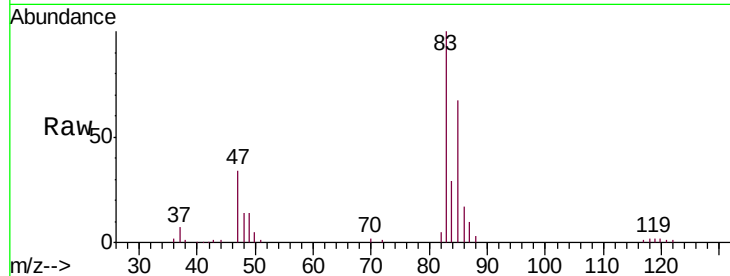




#25
Chloroform
Concen: 4.864 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

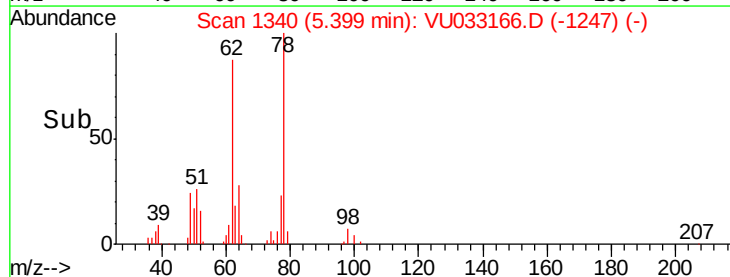
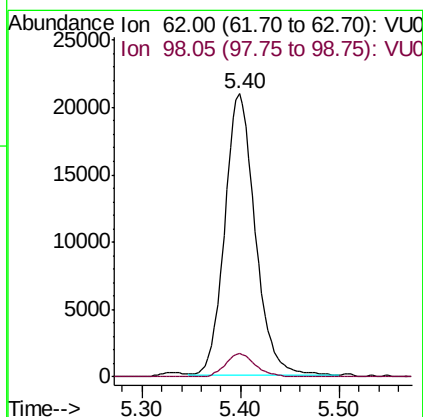
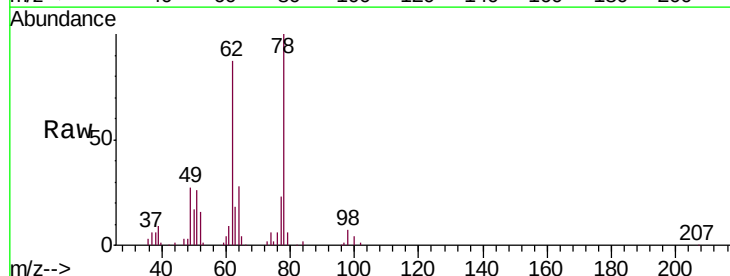
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

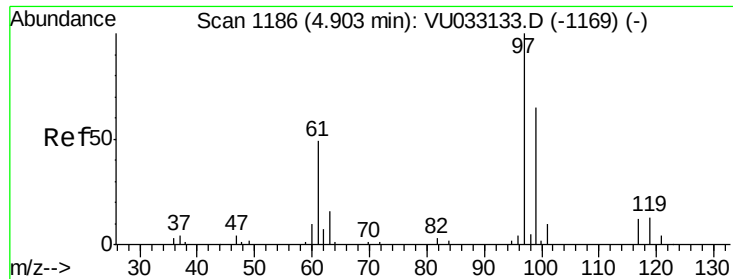
Tgt Ion: 83 Resp: 68480
Ion Ratio Lower Upper
83 100
85 66.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 4.957 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion: 62 Resp: 45190
Ion Ratio Lower Upper
62 100
98 8.1 5.9 8.9

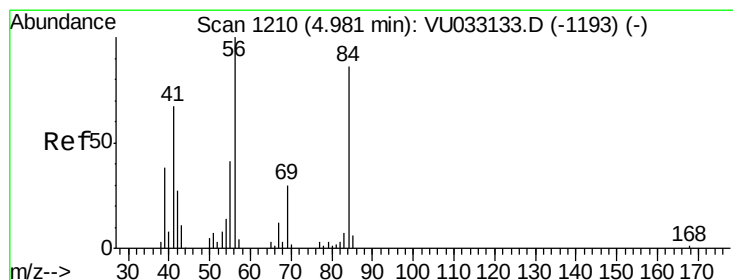
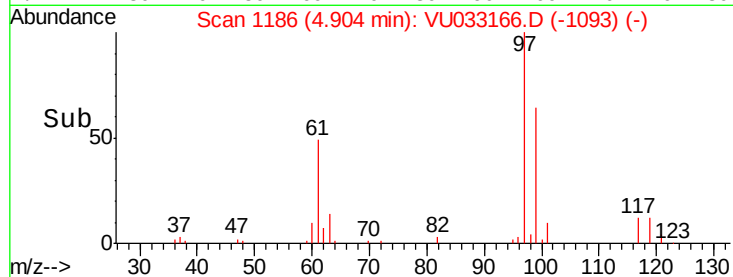
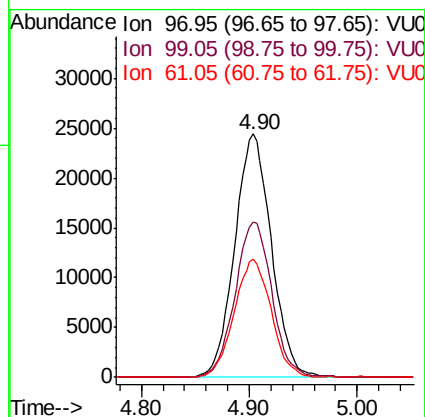
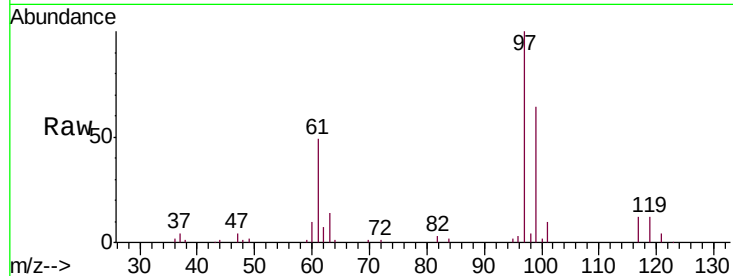




#29
 1,1,1-Trichloroethane
 Concen: 4.999 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

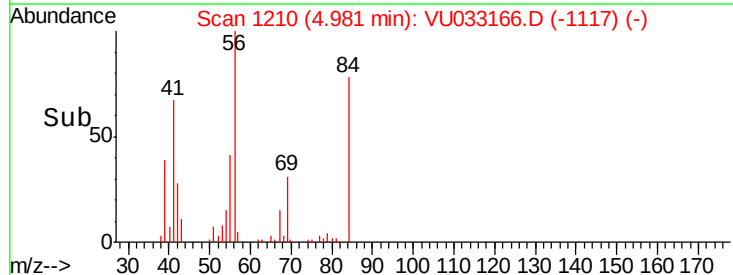
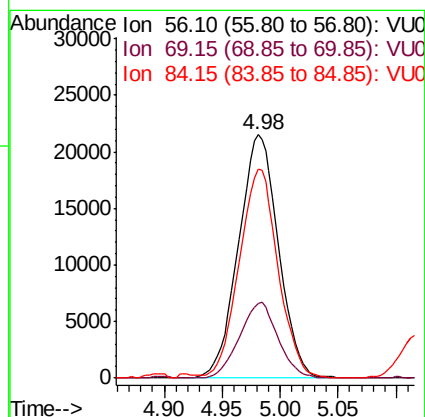
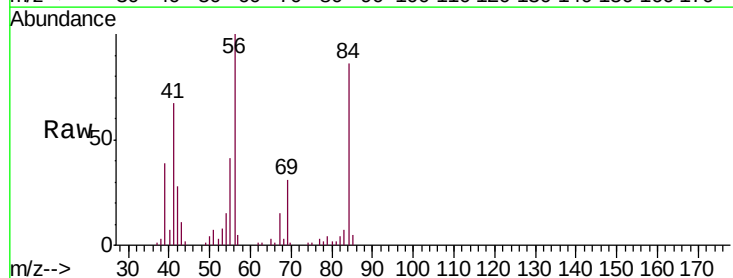
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

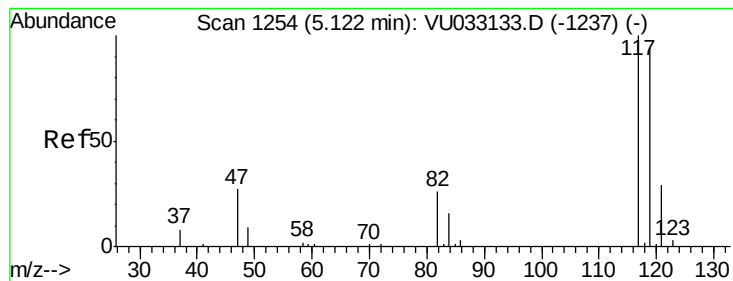
Tgt Ion: 97 Resp: 57847
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.0
 61 48.8 37.8 56.8



#30
 Cyclohexane
 Concen: 4.868 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion: 56 Resp: 51429
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.4 35.0
 84 83.9 66.8 100.2





#31

Carbon tetrachloride

Concen: 5.043 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

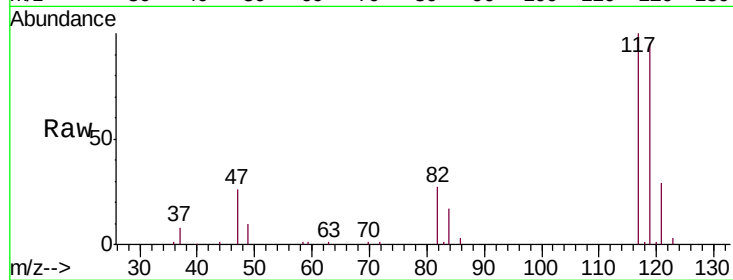
VSTD00512

Tgt Ion:117 Resp: 52237

Ion Ratio Lower Upper

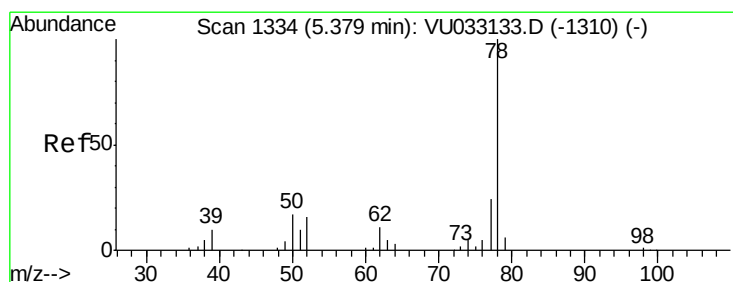
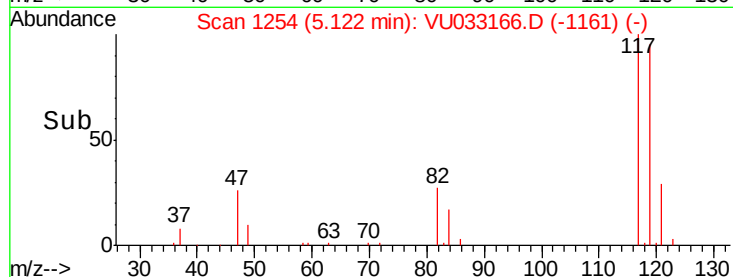
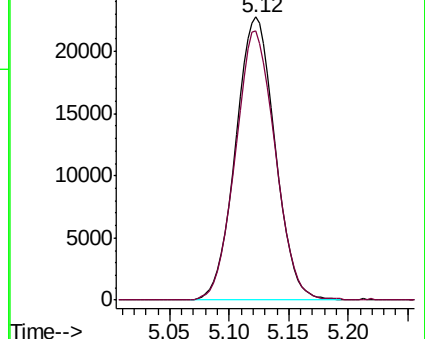
117 100

119 95.8 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.101 ug/L

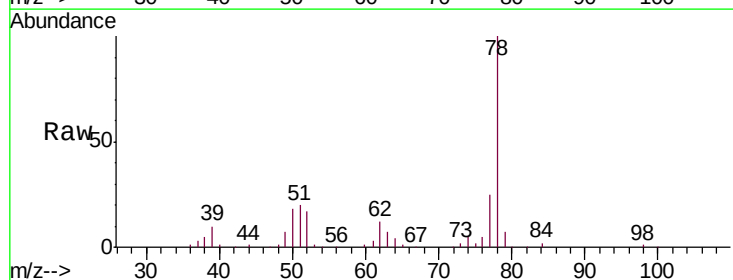
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

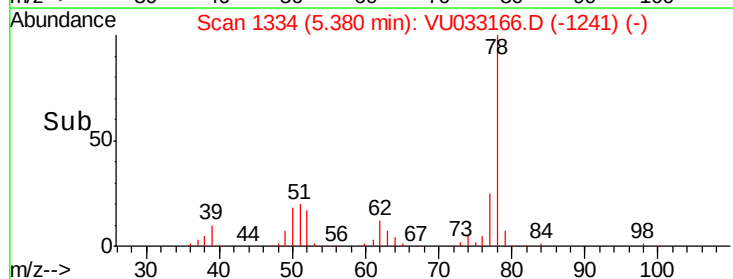
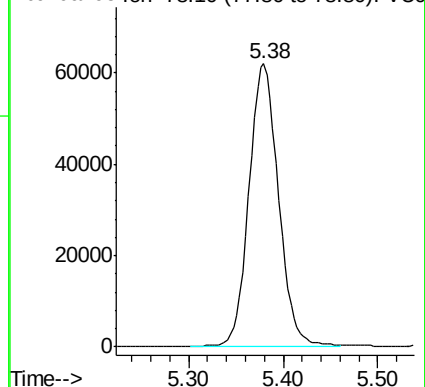
Lab File: VU033166.D

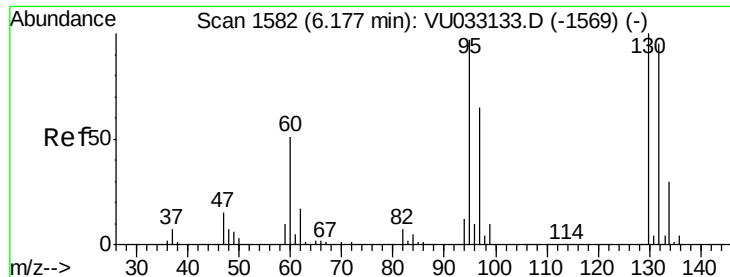
Acq: 03 Jul 2019 12:19

Tgt Ion: 78 Resp: 135009



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.117 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tgt Ion: 95 Resp: 36952

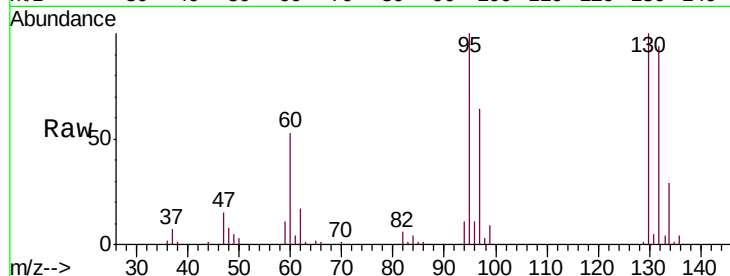
Ion Ratio Lower Upper

95 100

97 63.6 42.8 79.4

132 94.5 64.6 120.0

130 99.7 70.0 130.0

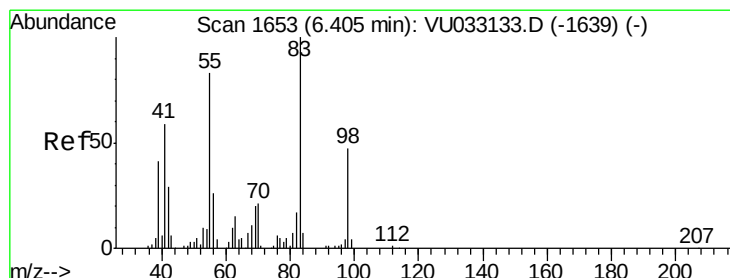
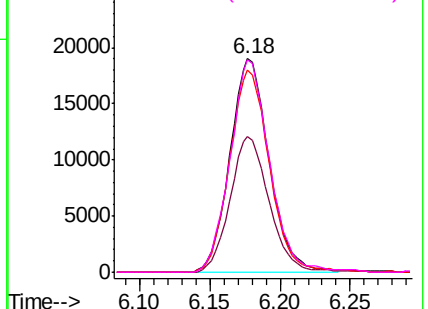
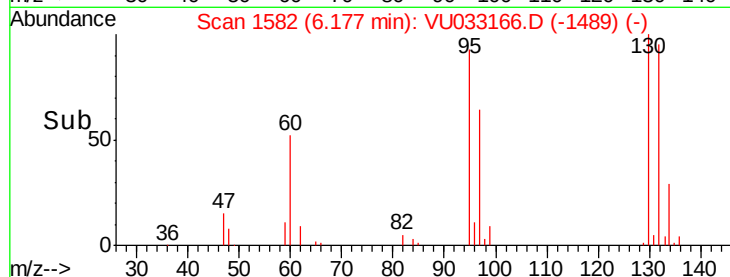


Abundance Ion 95.00 (94.70 to 95.70): VU033166.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU033166.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU033166.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU033166.D (-1489) (-)



#35

Methylcyclohexane

Concen: 5.035 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

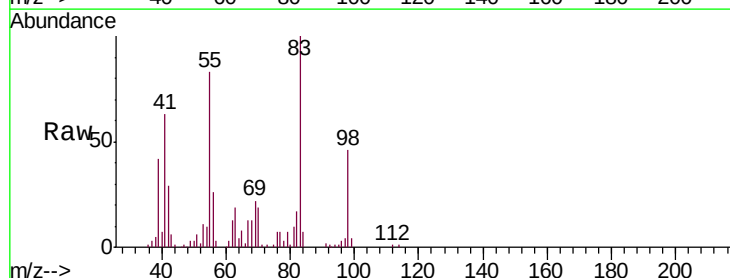
Tgt Ion: 83 Resp: 54081

Ion Ratio Lower Upper

83 100

55 81.6 66.5 99.7

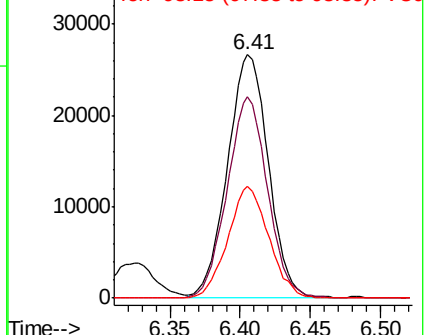
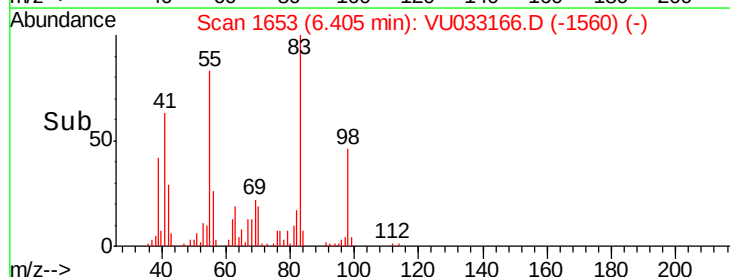
98 45.6 37.1 55.7

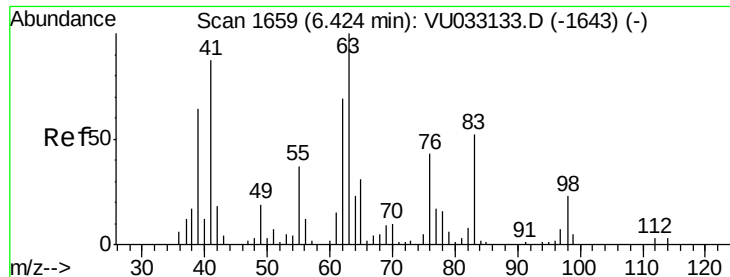


Abundance Ion 83.15 (82.85 to 83.85): VU033166.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU033166.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU033166.D (-1560) (-)

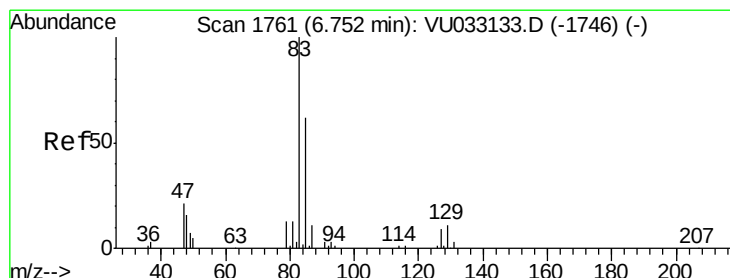
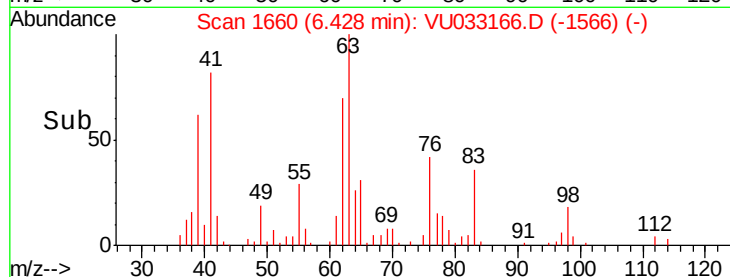
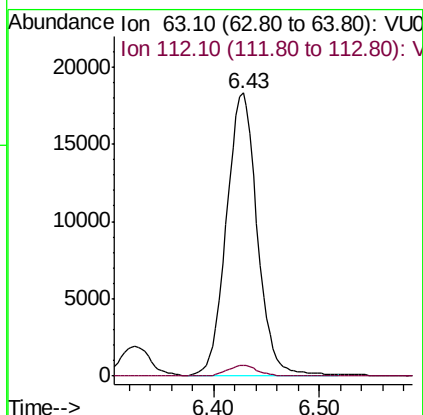
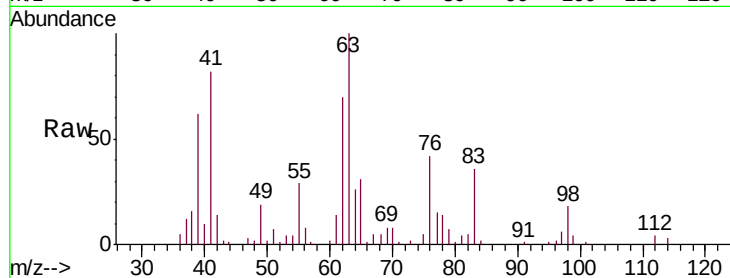




#37
 1,2-Dichloropropane
 Concen: 5.121 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

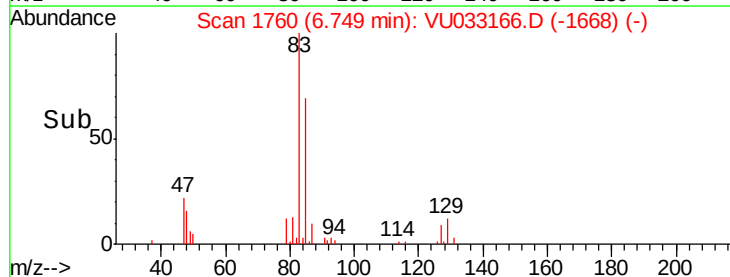
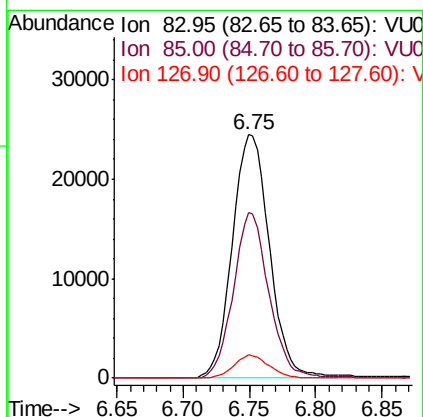
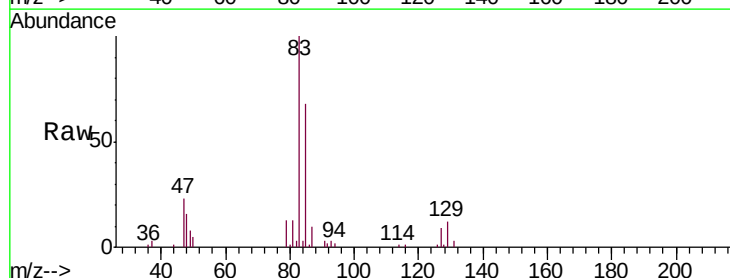
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

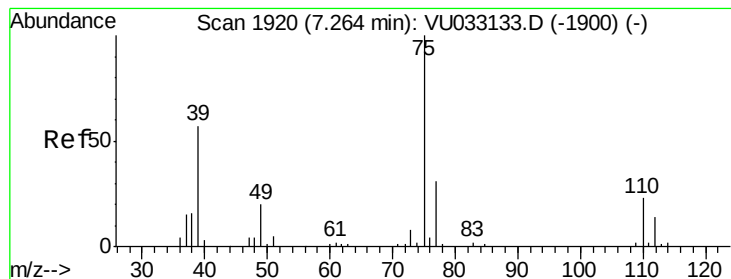
Tgt Ion: 63 Resp: 37292
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.029 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion: 83 Resp: 47788
 Ion Ratio Lower Upper
 83 100
 85 68.2 43.8 81.4
 127 9.4 7.5 11.3



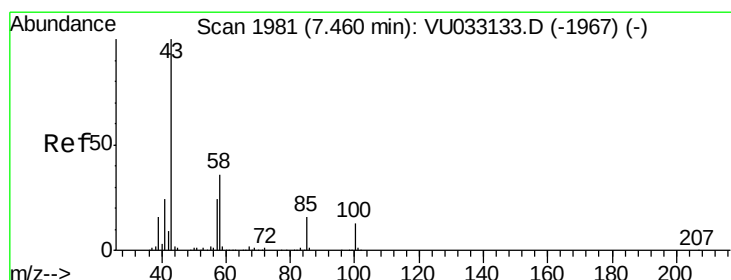
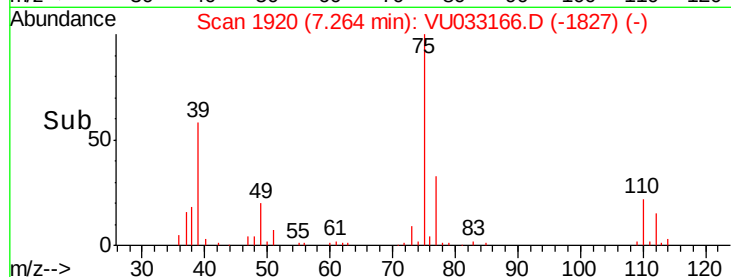
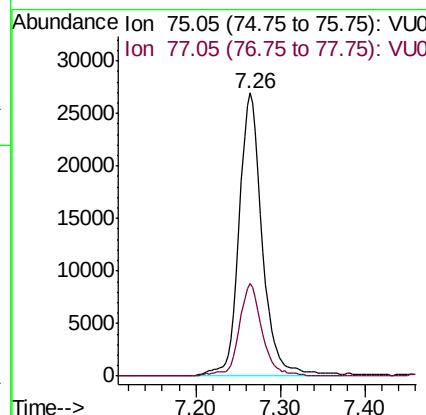
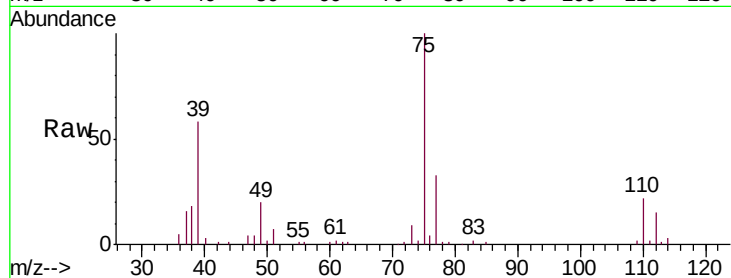


#39

cis-1,3-Dichloropropene
 Concen: 5.052 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

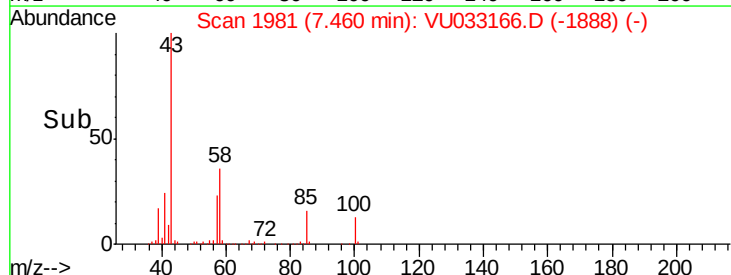
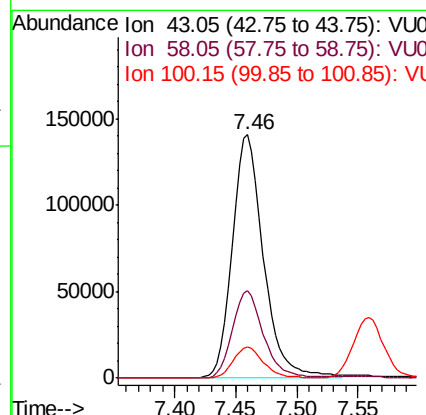
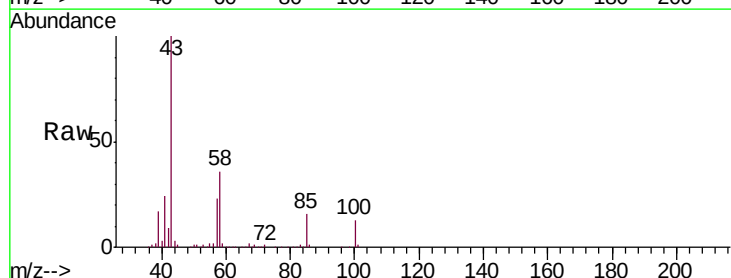
Tgt Ion: 75 Resp: 51893
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.8 42.4

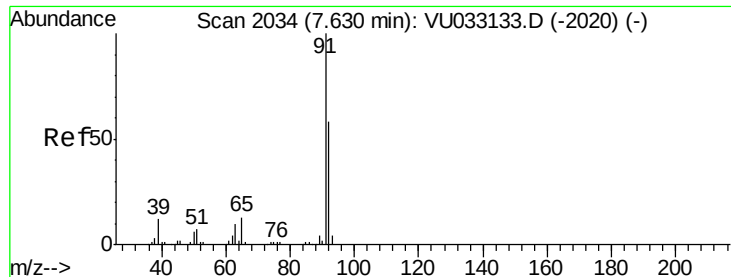


#40

4-Methyl-2-pentanone
 Concen: 49.935 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion: 43 Resp: 252447
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.5 42.7
 100 12.5 10.4 15.6





#42

Toluene

Concen: 5.156 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

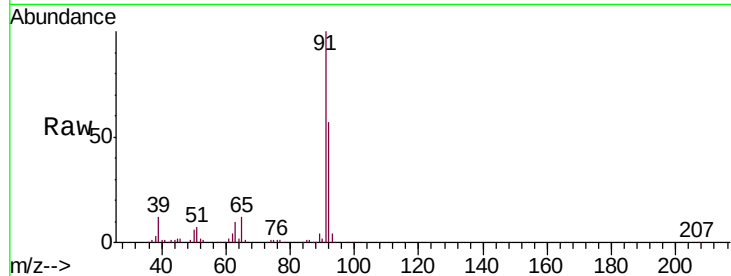
VSTD00512

Tgt Ion: 91 Resp: 146943

Ion Ratio Lower Upper

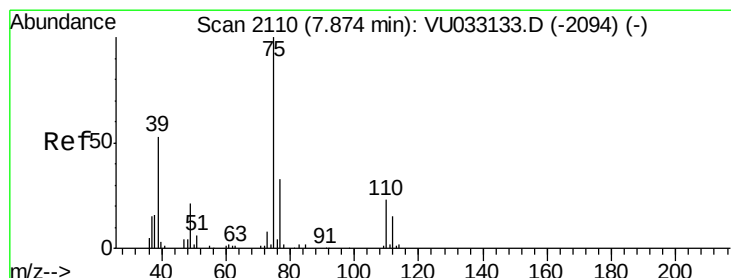
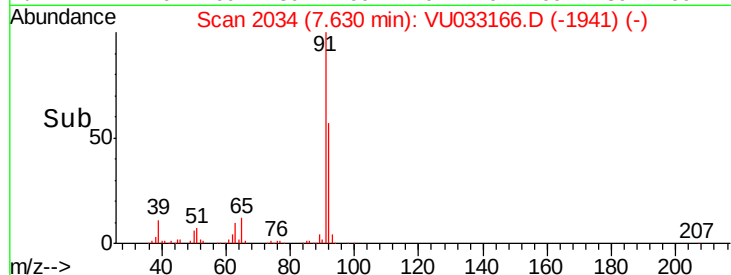
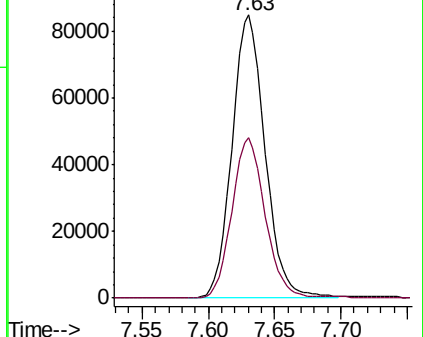
91 100

92 56.5 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033133.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033133.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.118 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033166.D

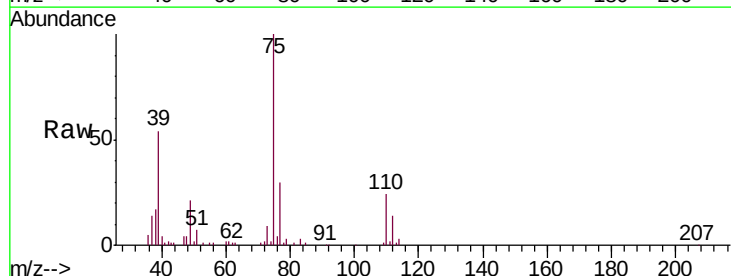
Acq: 03 Jul 2019 12:19

Tgt Ion: 75 Resp: 43785

Ion Ratio Lower Upper

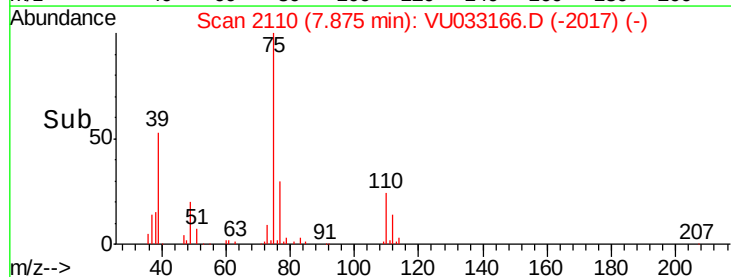
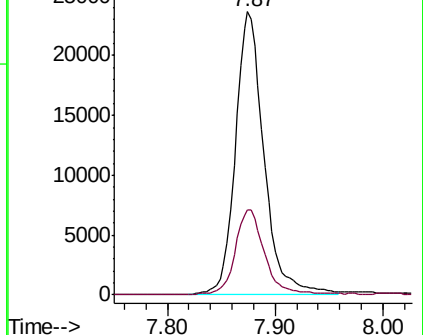
75 100

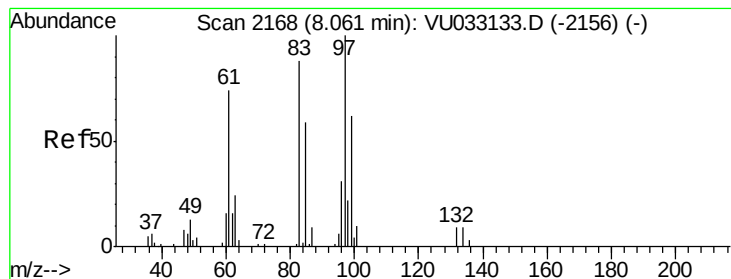
77 30.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033133.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU033133.D (-2094) (-)





#45

1,1,2-Trichloroethane

Concen: 5.022 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tgt Ion: 97 Resp: 25642

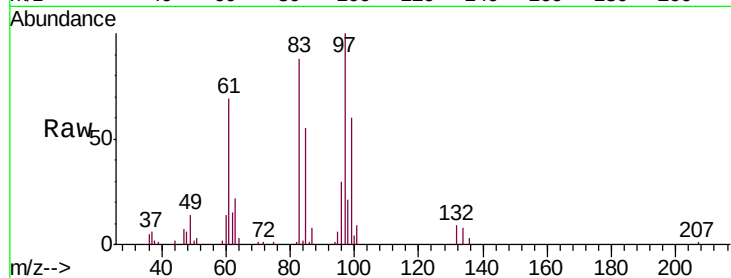
Ion Ratio Lower Upper

97 100

99 59.8 43.5 80.7

83 87.6 60.8 112.8

85 55.4 40.7 75.7

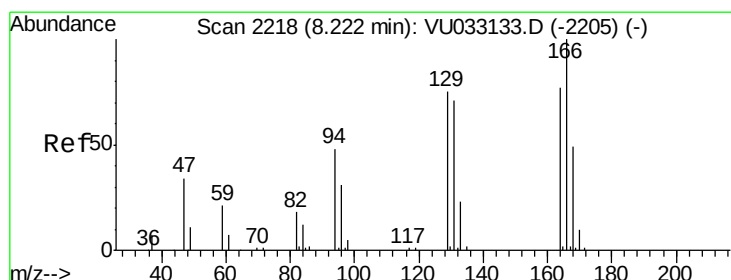
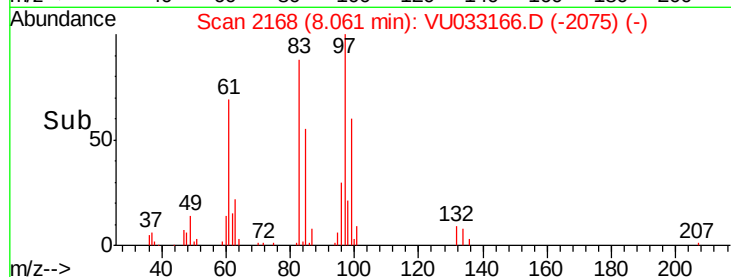
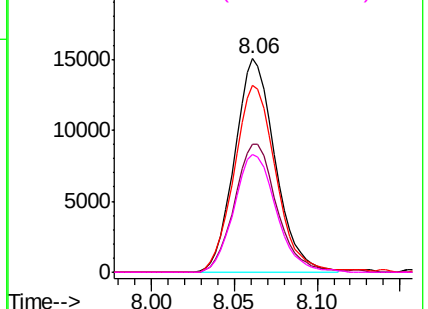


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.090 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Tgt Ion: 164 Resp: 30532

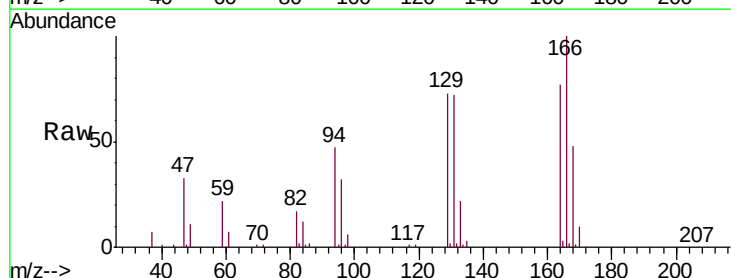
Ion Ratio Lower Upper

164 100

129 95.5 65.3 121.3

131 93.4 60.3 112.1

166 130.0 86.9 161.3

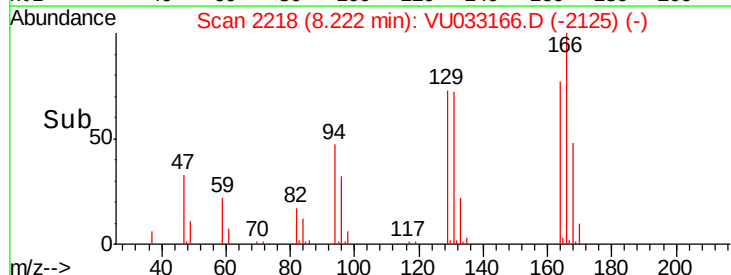
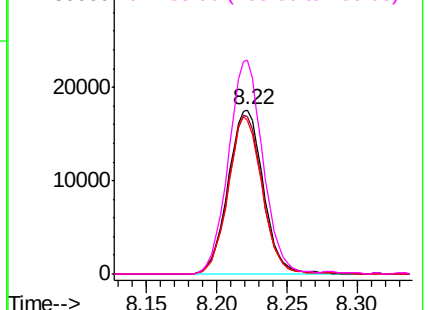


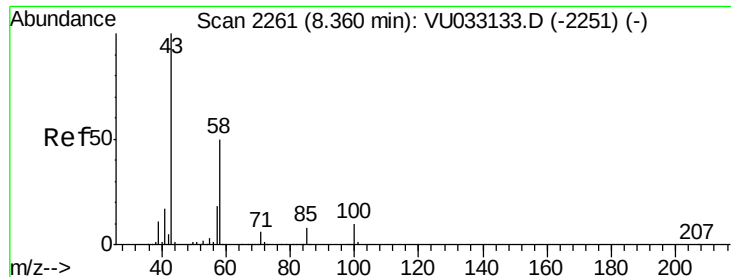
Abundance Ion 163.90 (163.60 to 164.60): V

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

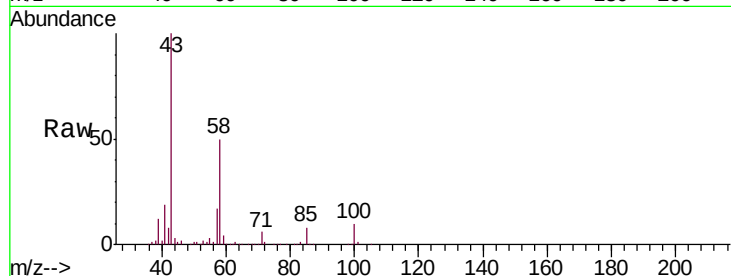




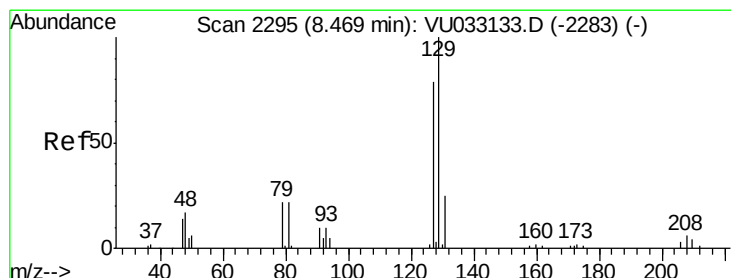
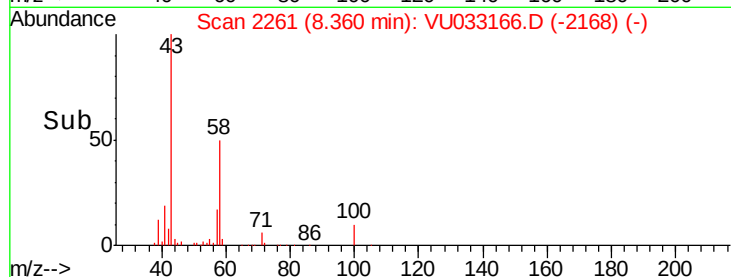
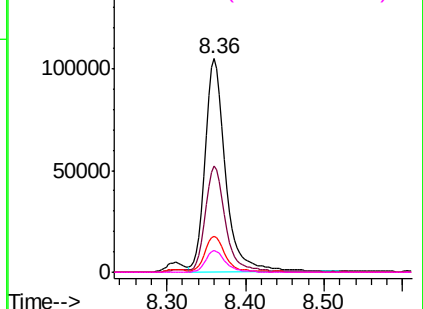
#48
2-Hexanone
Concen: 51.258 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:	43	Resp:	187979
Ion	Ratio	Lower	Upper
43	100		
58	48.0	39.0	58.6
57	16.6	13.9	20.9
100	10.1	8.6	12.8

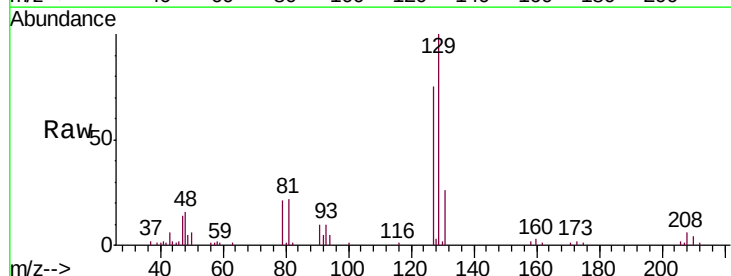


Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-2251) (-)
Ion 58.05 (57.75 to 58.75): VU033133.D (-2251) (-)
Ion 57.20 (56.90 to 57.90): VU033133.D (-2251) (-)
Ion 100.15 (99.85 to 100.85): VU033133.D (-2251) (-)

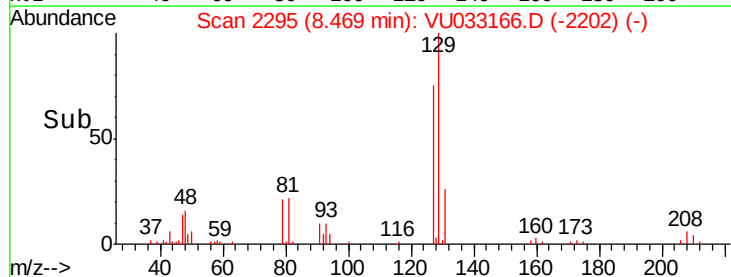
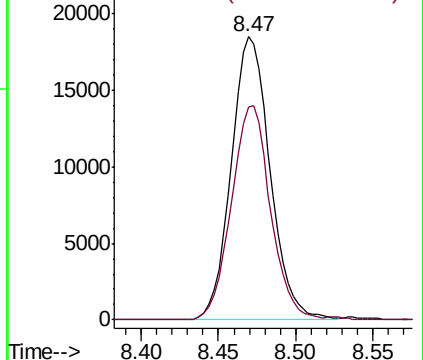


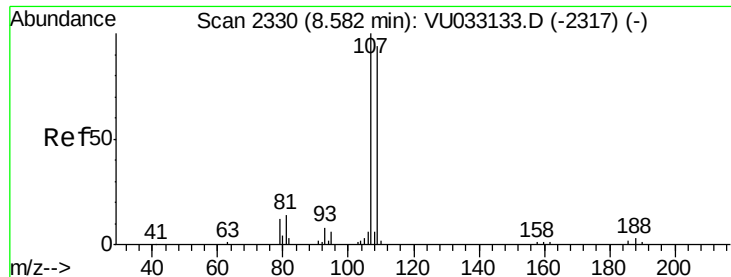
#49
Dibromochloromethane
Concen: 5.050 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion:	129	Resp:	32256
Ion	Ratio	Lower	Upper
129	100		
127	75.2	51.6	95.8



Abundance Ion 128.95 (128.65 to 129.65): VU033133.D (-2283) (-)
Ion 126.90 (126.60 to 127.60): VU033133.D (-2283) (-)

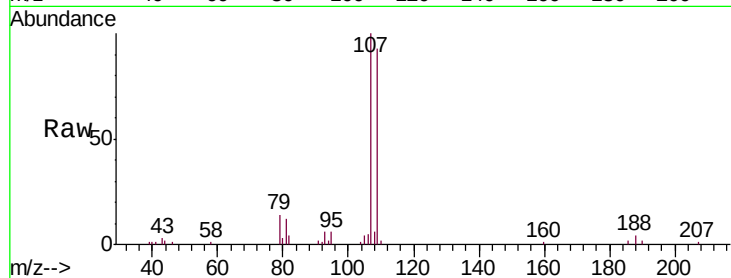




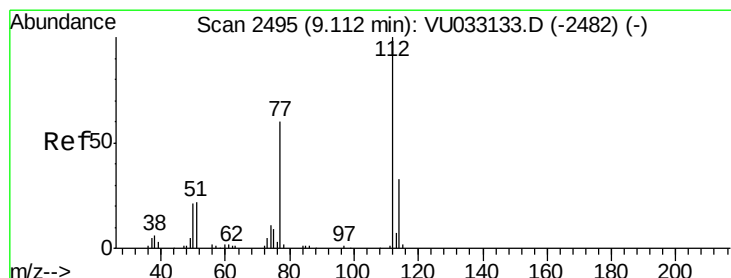
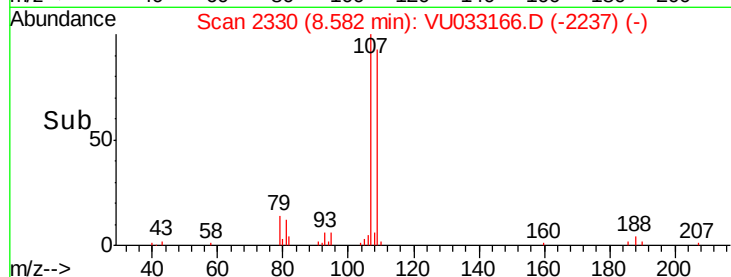
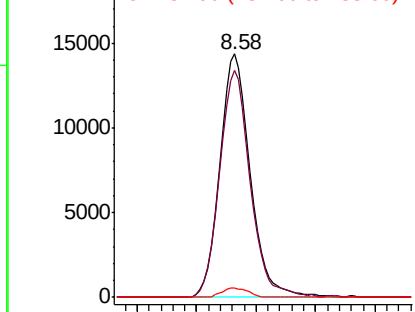
#50
1,2-Dibromoethane
Concen: 5.201 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:107 Resp: 25410
Ion Ratio Lower Upper
107 100
109 93.3 65.5 121.7
188 3.7 2.5 3.7

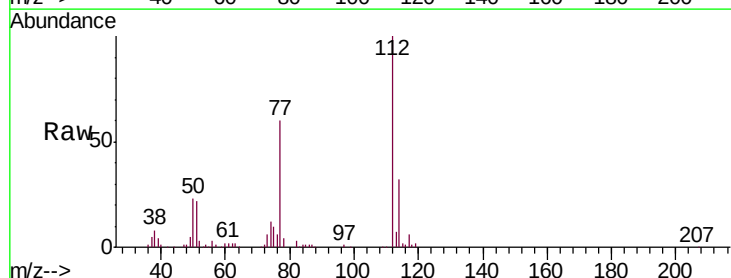


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

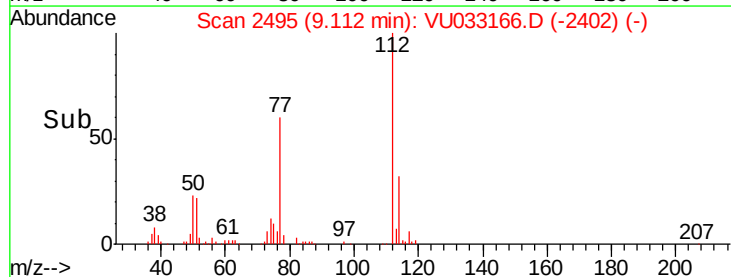
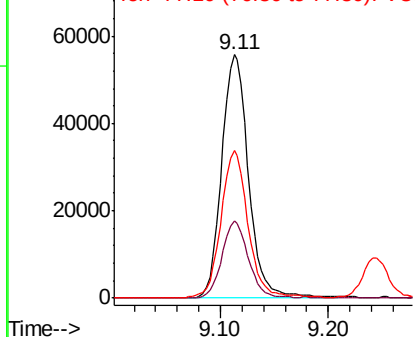


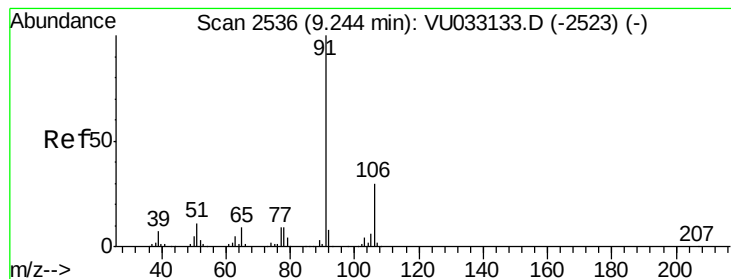
#51
Chlorobenzene
Concen: 5.134 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033166.D
Acq: 03 Jul 2019 12:19

Tgt Ion:112 Resp: 96439
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 60.5 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: 4.978 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

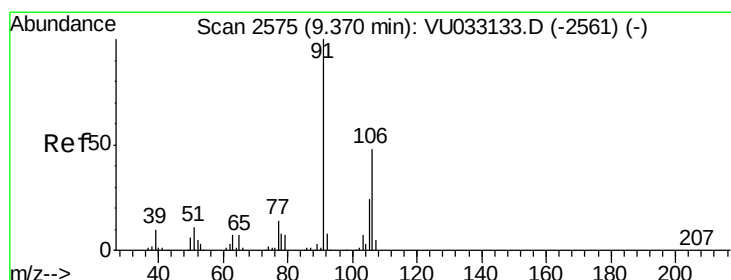
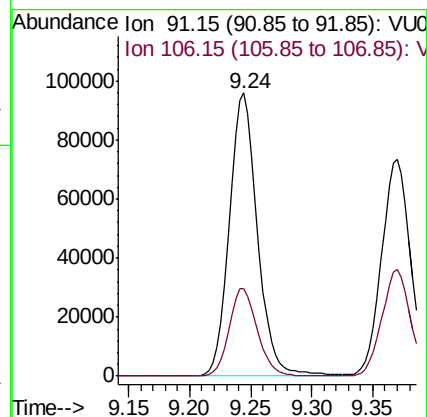
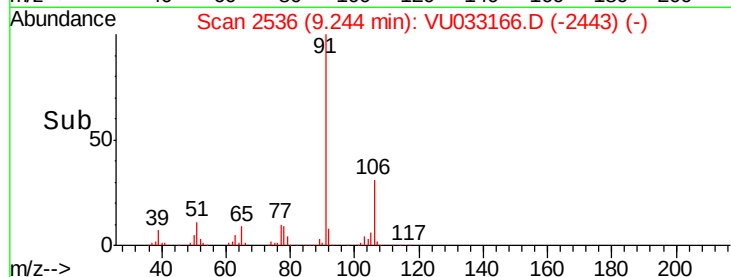
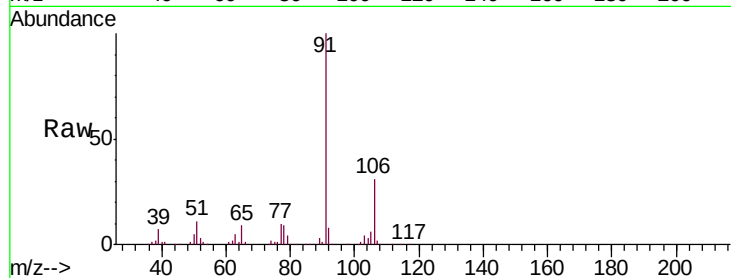
VSTD00512

Tgt Ion: 91 Resp: 155423

Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



#53

m,p-Xylene

Concen: 5.251 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033166.D

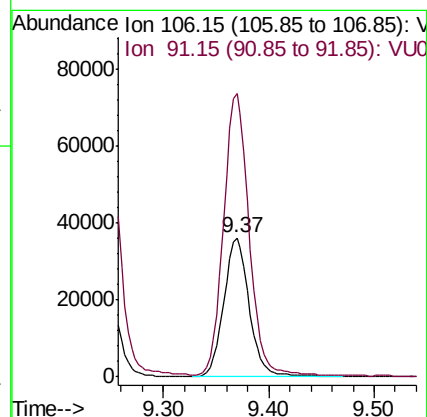
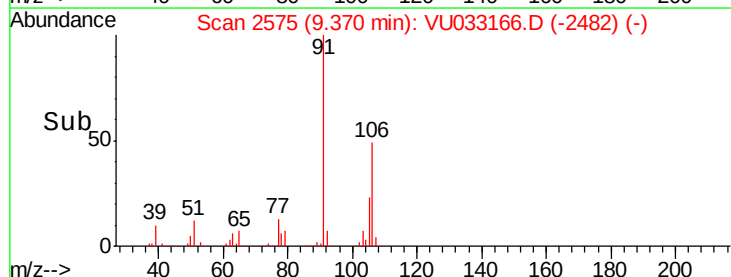
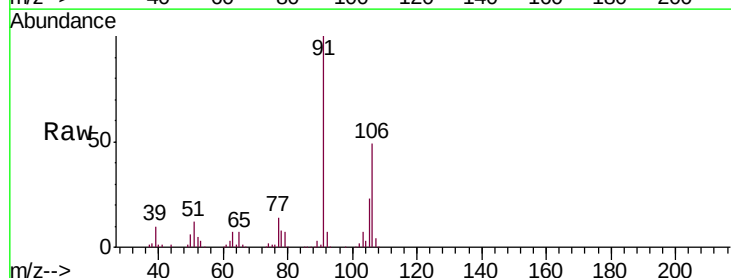
Acq: 03 Jul 2019 12:19

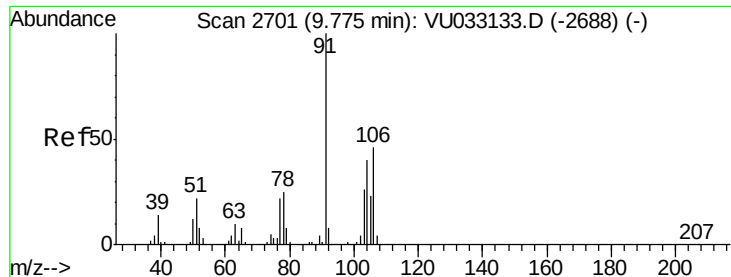
Tgt Ion: 106 Resp: 59868

Ion Ratio Lower Upper

106 100

91 203.2 145.6 270.4





#54

o-Xylene

Concen: 5.134 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

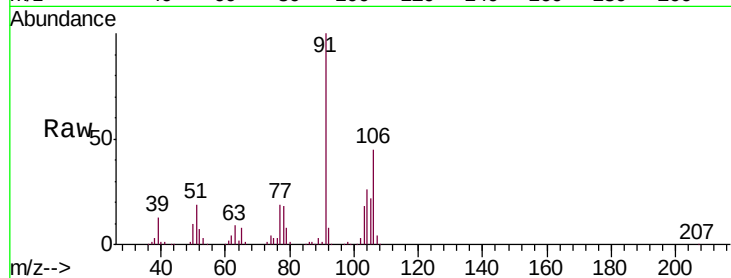
VSTD00512

Tgt Ion:106 Resp: 57108

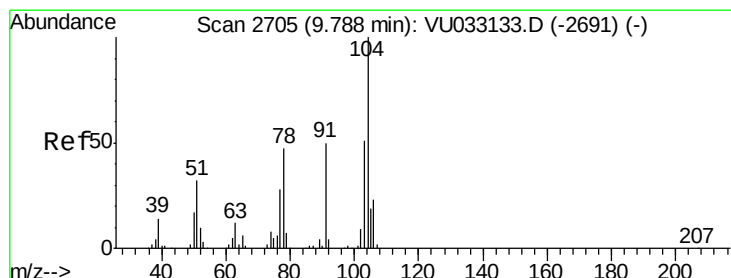
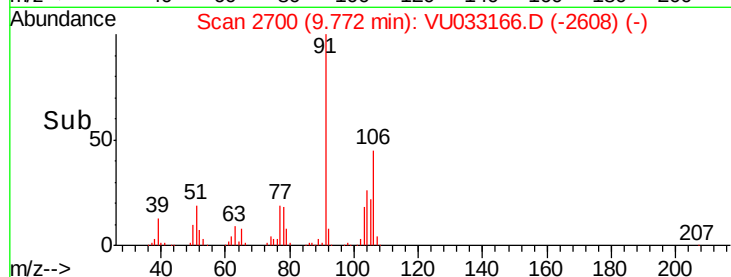
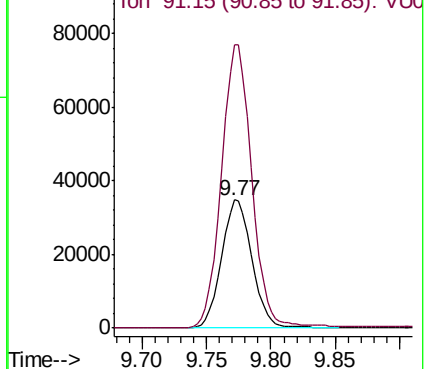
Ion Ratio Lower Upper

106 100

91 221.1 159.2 295.6



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.237 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU033166.D

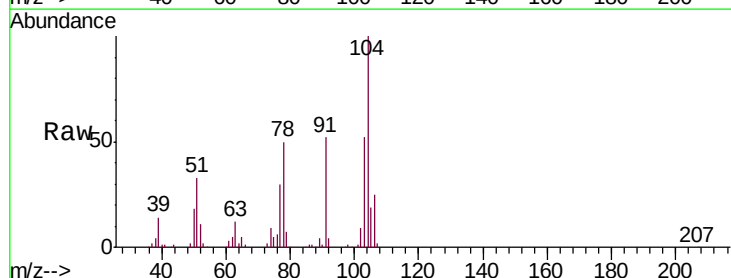
Acq: 03 Jul 2019 12:19

Tgt Ion:104 Resp: 98285

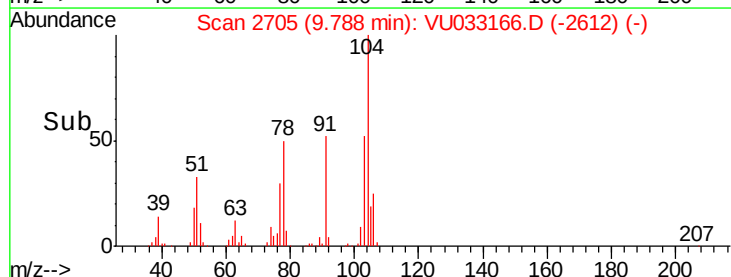
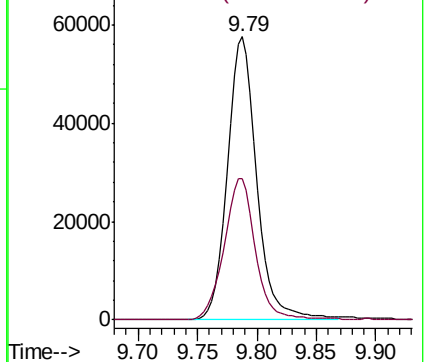
Ion Ratio Lower Upper

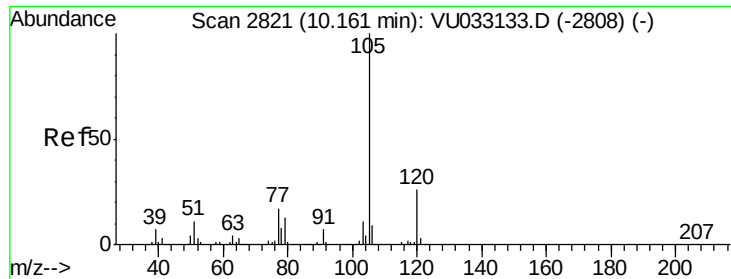
104 100

78 50.0 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.203 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

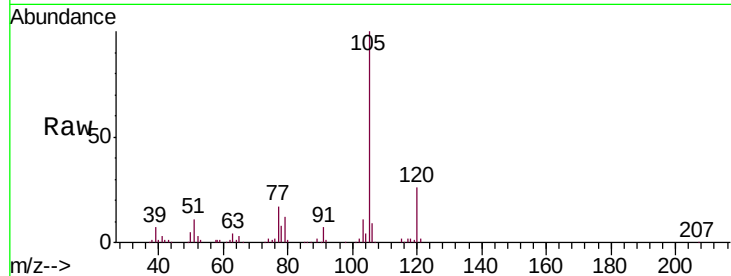
Tgt Ion: 105 Resp: 155717

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

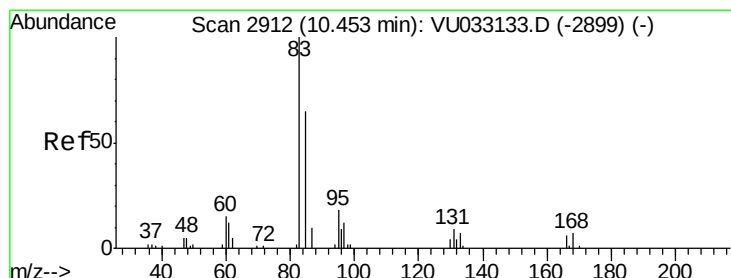
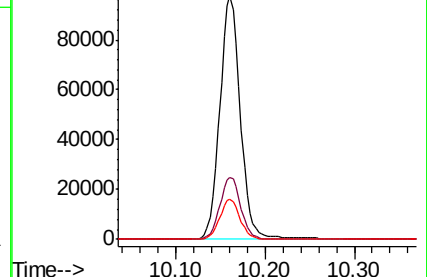
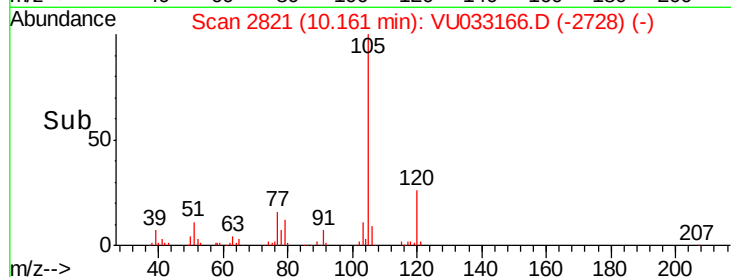
77 16.7 13.5 20.3



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: 5.123 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

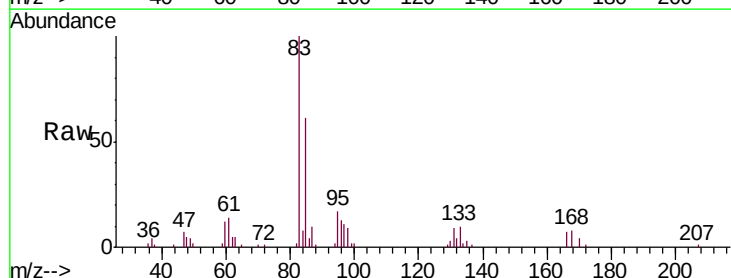
Tgt Ion: 83 Resp: 33209

Ion Ratio Lower Upper

83 100

85 61.4 46.2 85.8

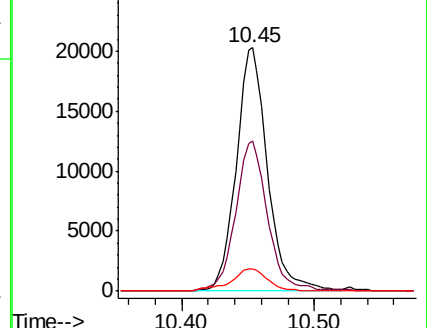
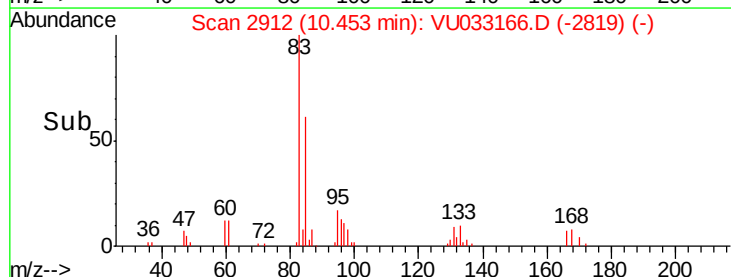
131 9.1 7.3 10.9

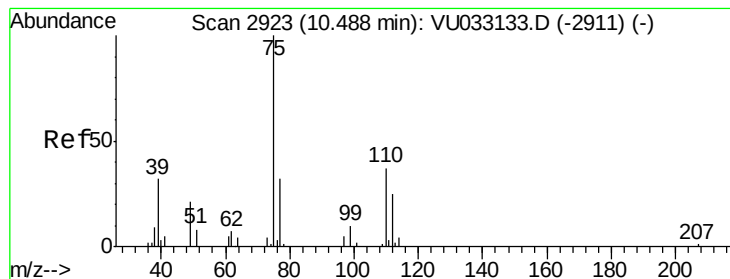


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.838 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

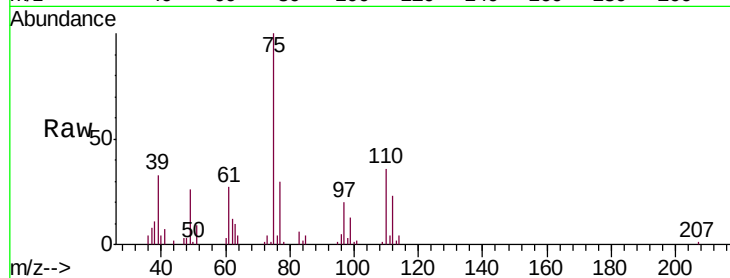
VSTD00512

Tgt Ion: 75 Resp: 23970

Ion Ratio Lower Upper

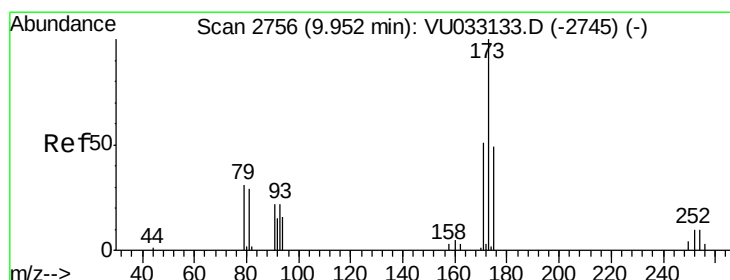
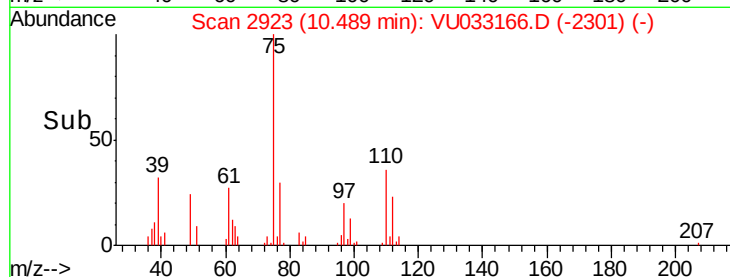
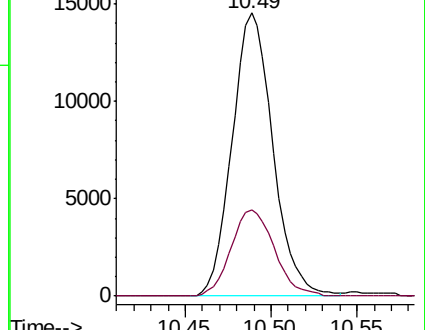
75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033133.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033133.D (-2911) (-)



#61

Bromoform

Concen: 5.140 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

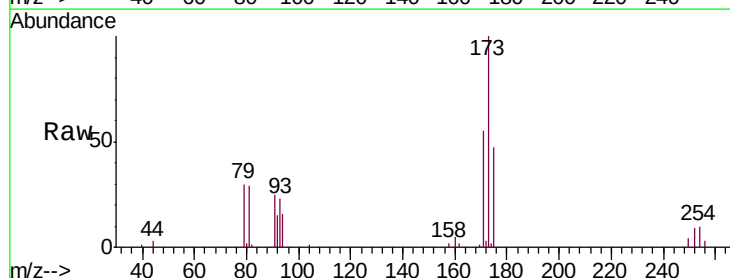
Tgt Ion: 173 Resp: 18356

Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.2

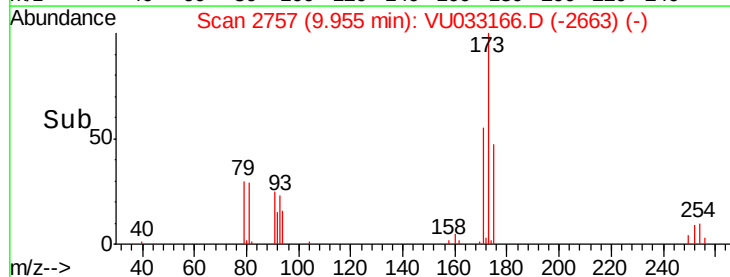
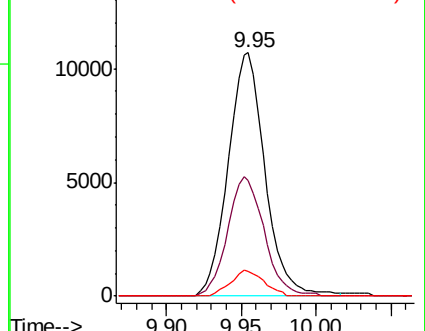
254 9.5 6.9 10.3

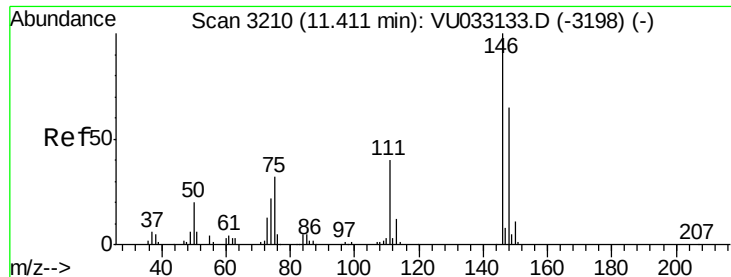


Abundance Ion 172.90 (172.60 to 173.60): VU033133.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU033133.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU033133.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 5.153 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

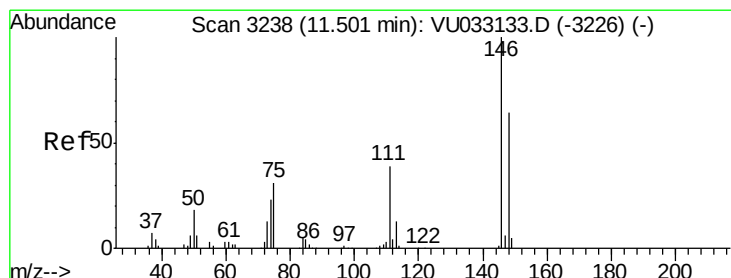
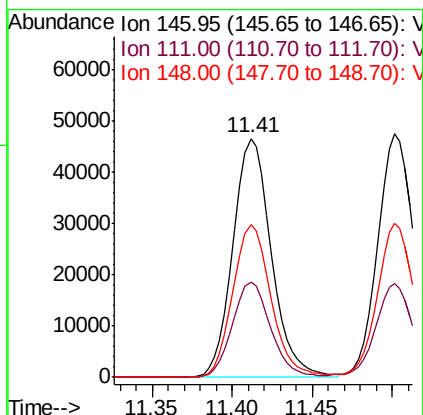
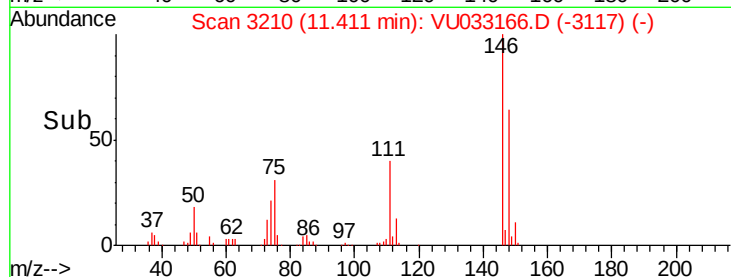
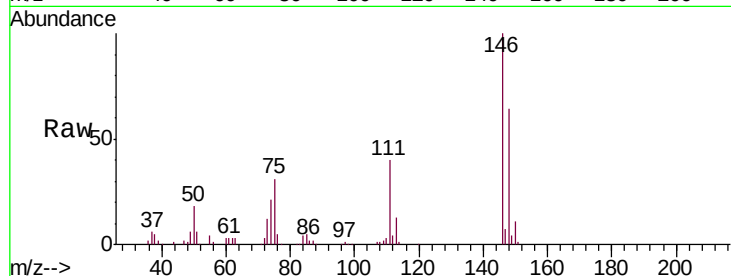
Tgt Ion:146 Resp: 76426

Ion Ratio Lower Upper

146 100

111 40.1 28.2 52.4

148 63.8 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 5.035 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

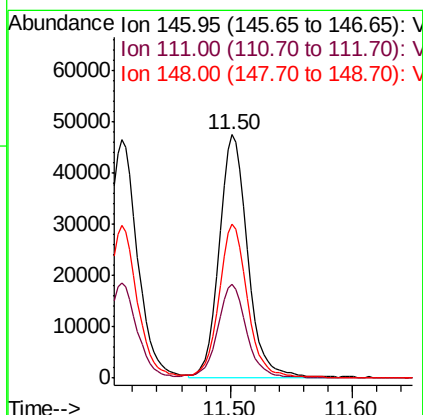
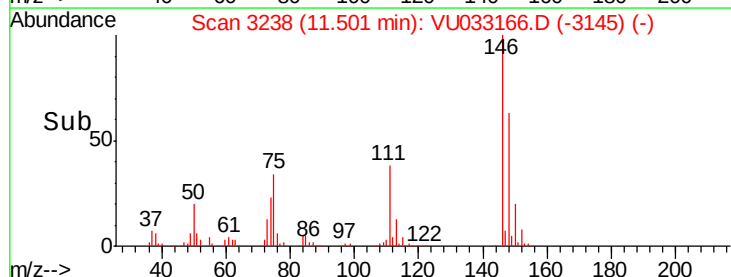
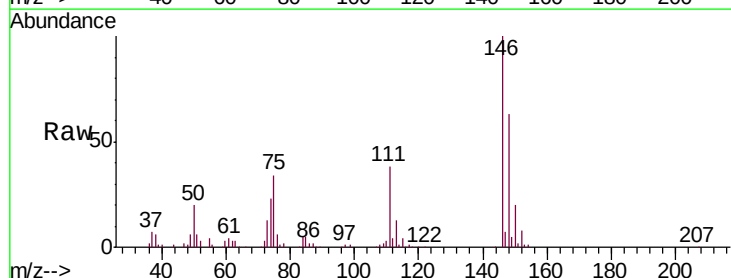
Tgt Ion:146 Resp: 77558

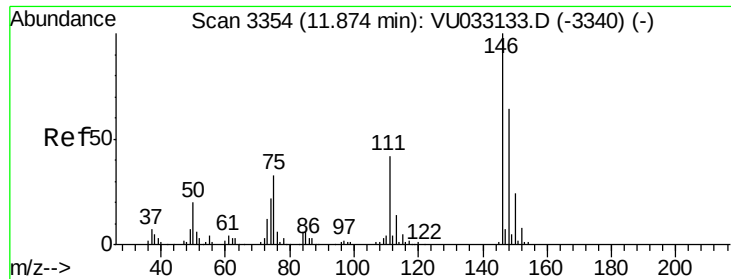
Ion Ratio Lower Upper

146 100

111 38.5 27.0 50.2

148 63.5 45.1 83.7

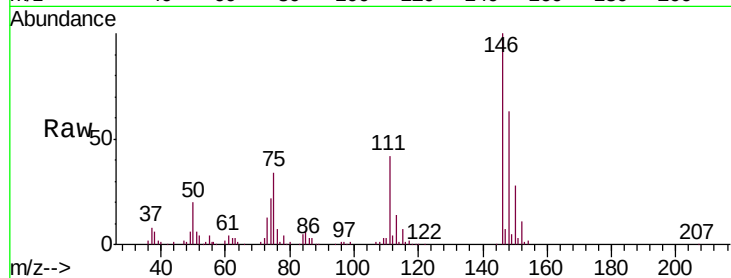




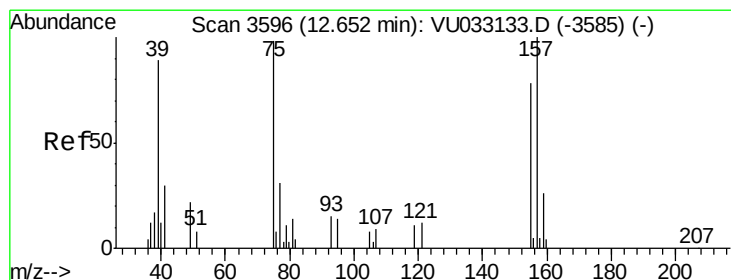
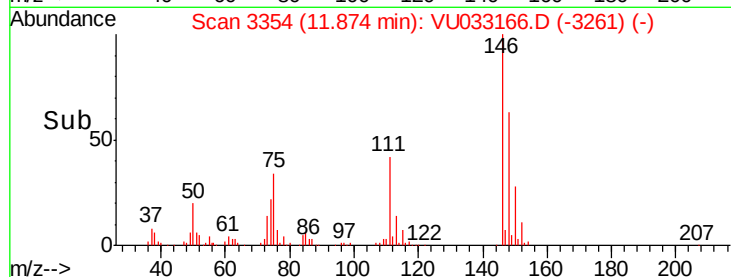
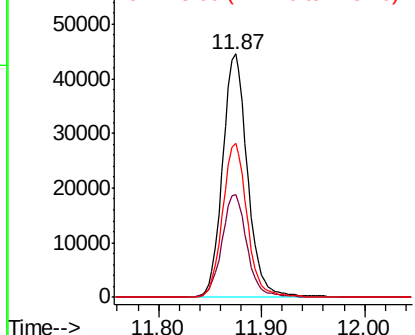
#65
 1,2-Dichlorobenzene
 Concen: 5.184 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion: 146 Resp: 75229
 Ion Ratio Lower Upper
 146 100
 111 42.1 31.8 47.8
 148 63.2 50.7 76.1

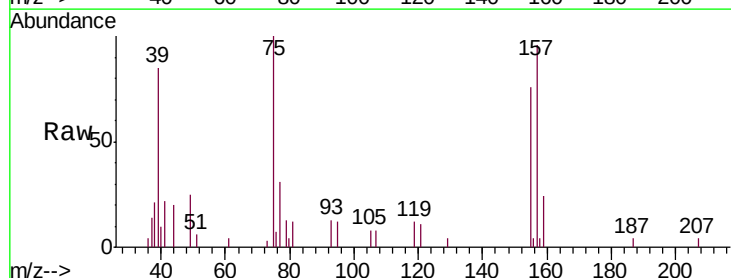


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

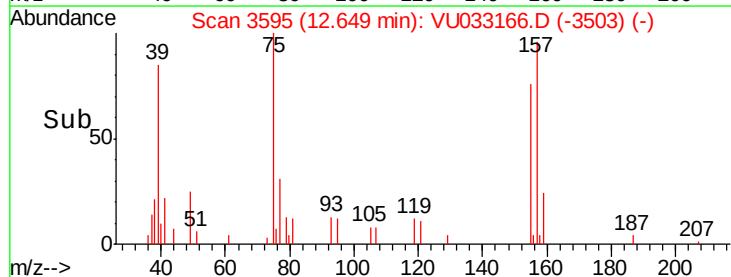
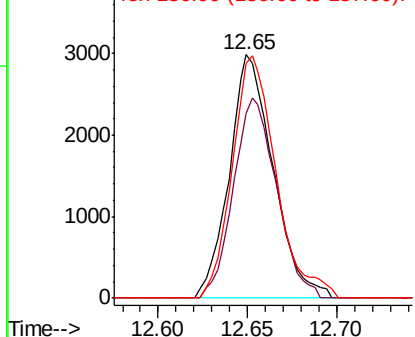


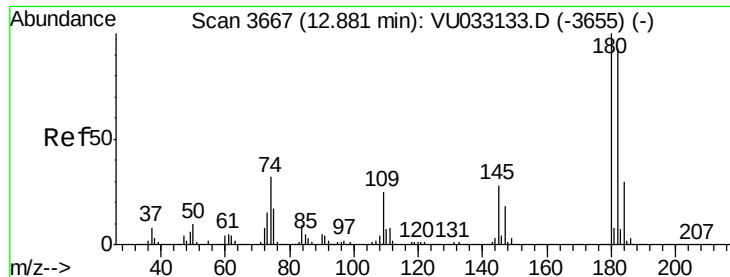
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.114 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion: 75 Resp: 5097
 Ion Ratio Lower Upper
 75 100
 155 75.9 59.5 89.3
 157 96.2 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

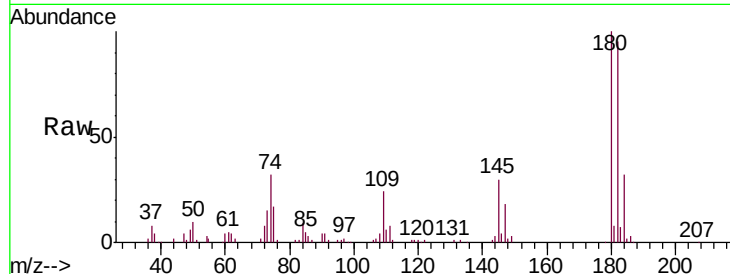




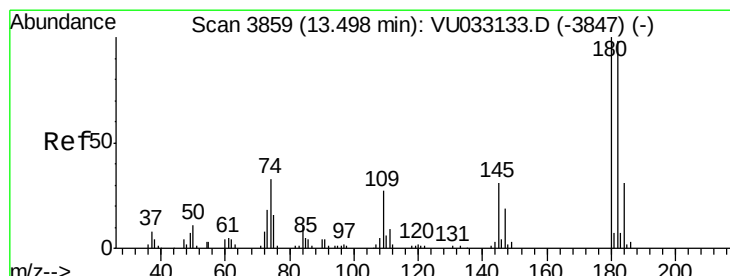
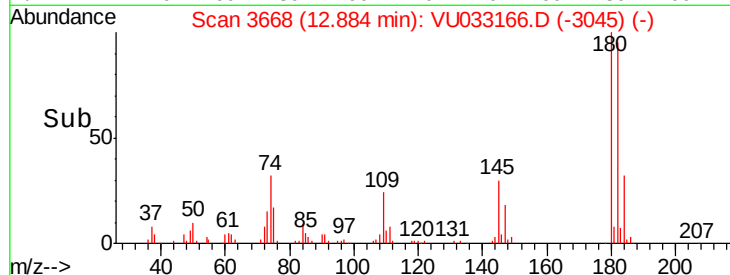
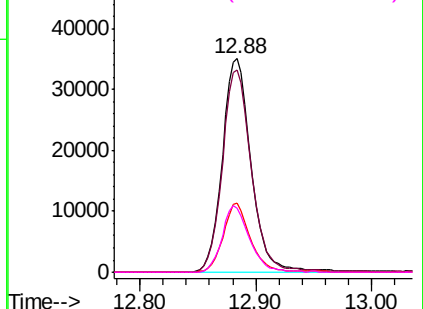
#67
 1,3,5-Trichlorobenzene
 Concen: 5.213 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion:180 Resp: 60486
 Ion Ratio Lower Upper
 180 100
 182 94.9 78.3 117.5
 184 30.4 24.2 36.2
 145 29.8 23.4 35.2

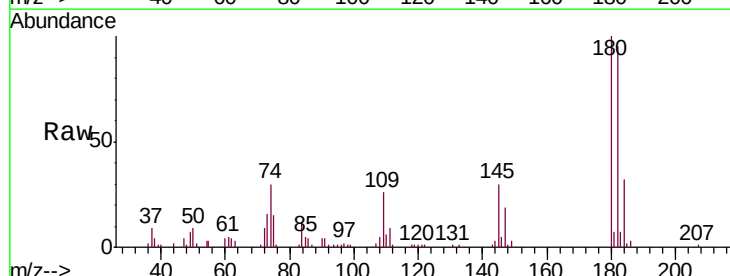


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

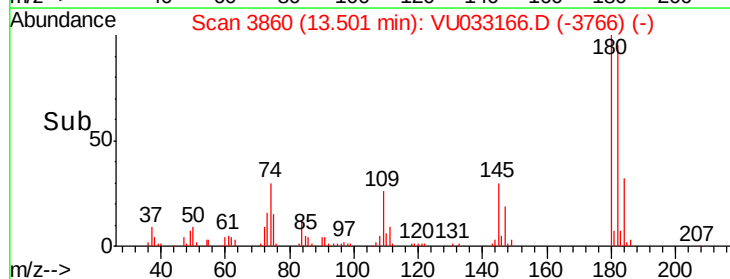
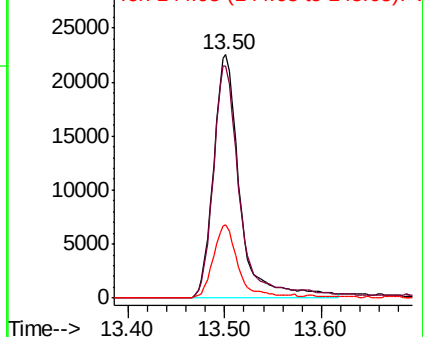


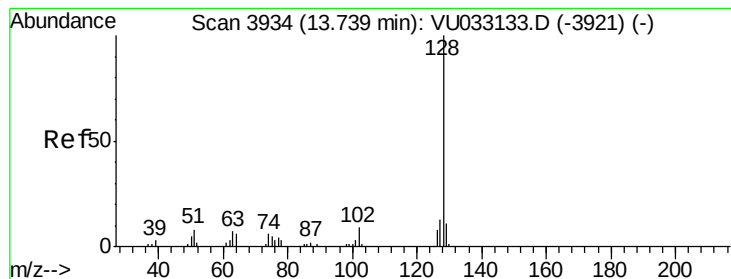
#68
 1,2,4-trichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU033166.D
 Acq: 03 Jul 2019 12:19

Tgt Ion:180 Resp: 42900
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.7 113.5
 145 28.0 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: 4.933 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

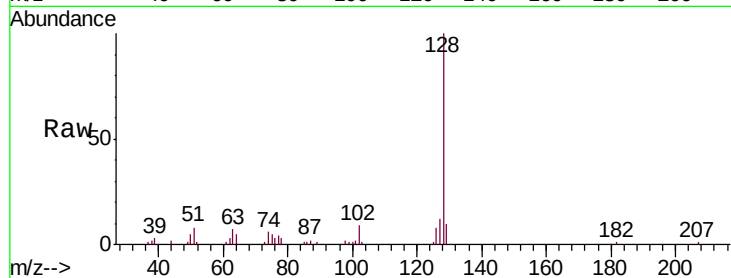
Tgt Ion:128 Resp: 59680

Ion Ratio Lower Upper

128 100

129 9.0 8.4 12.6

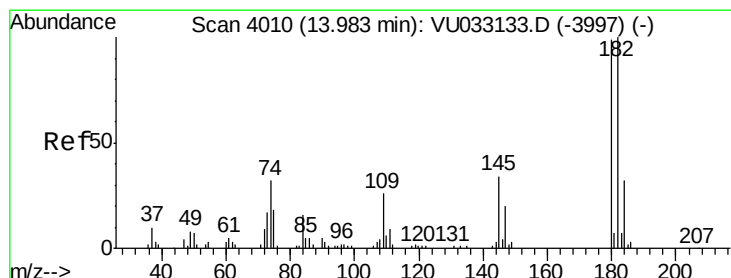
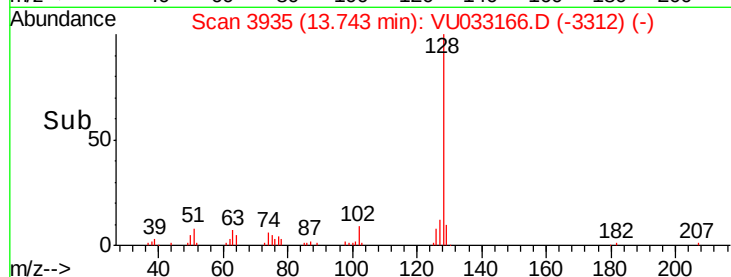
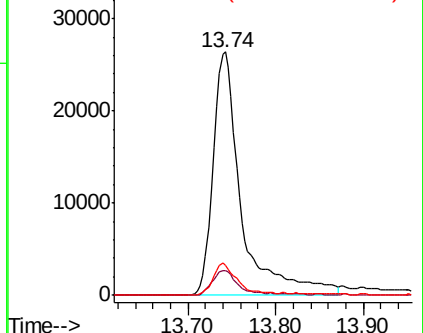
127 11.5 10.2 15.4



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: 5.040 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033166.D

Acq: 03 Jul 2019 12:19

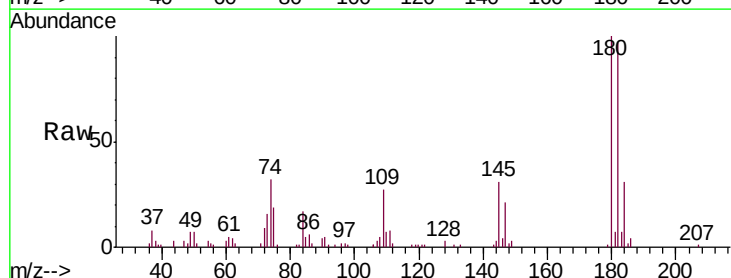
Tgt Ion:180 Resp: 39568

Ion Ratio Lower Upper

180 100

182 101.5 79.9 119.9

145 33.0 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

