

Data File : VU033055.D
Acq On : 27 Jun 2019 10:29
Operator : JC/SP
Sample : VSTD00503
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Quant Time: Jun 28 01:36:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 28 01:32:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	91815	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	92087	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50163	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29929	4.90	ug/L	0.00
7) Chloroethane-d5	1.68	69	25734	5.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	67433	5.09	ug/L	0.00
20) 2-Butanone-d5	4.19	46	98560	53.12	ug/L	0.00
24) Chloroform-d	4.64	84	63713	5.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	36670	5.06	ug/L	0.00
32) Benzene-d6	5.33	84	118594	5.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	38381	5.18	ug/L	0.00
41) Toluene-d8	7.56	98	114819	5.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	16530	5.33	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	69871	54.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	33558	5.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	47238	4.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	47807	5.058 ug/L	100
3) Chloromethane	1.33	50	43045	4.835 ug/L	100
5) Vinyl chloride	1.40	62	43691	4.865 ug/L	100
6) Bromomethane	1.62	94	22602	4.801 ug/L	100
8) Chloroethane	1.69	64	25567	4.914 ug/L	100
9) Trichlorofluoromethane	1.88	101	64703	5.084 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33238	5.046 ug/L	100
12) 1,1-Dichloroethene	2.28	96	30352	4.966 ug/L	100
13) Acetone	2.32	43	76445	48.893 ug/L	100
14) Carbon disulfide	2.47	76	100213	4.928 ug/L	100
15) Methyl Acetate	2.61	43	17962	4.966 ug/L	100
16) Methylene chloride	2.69	84	33936	4.843 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	86434	5.041 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	32604	4.874 ug/L	100
19) 1,1-Dichloroethane	3.43	63	65317	4.968 ug/L	100
21) 2-Butanone	4.27	43	111576	50.696 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	35901	4.940 ug/L	100
23) Bromochloromethane	4.54	128	17000	5.272 ug/L	100
25) Chloroform	4.67	83	66506	4.977 ug/L	100
27) 1,2-Dichloroethane	5.40	62	45325	4.953 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	58625	5.011 ug/L	100
30) Cyclohexane	4.98	56	54691	5.045 ug/L	100
31) Carbon tetrachloride	5.12	117	53662	5.041 ug/L	100
33) Benzene	5.38	78	138245	5.092 ug/L	100
34) Trichloroethene	6.18	95	37694	5.070 ug/L	100
35) Methylcyclohexane	6.41	83	54314	4.907 ug/L	100
37) 1,2-Dichloropropane	6.43	63	37405	5.138 ug/L	100
38) Bromodichloromethane	6.75	83	48634	5.066 ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	52180	4.915 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	258931	51.599 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	149459	5.154	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	45144	5.218	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	25690	5.032	ug/L	100
47) Tetrachloroethene	8.22	164	30887	5.164	ug/L	100
48) 2-Hexanone	8.36	43	188815	52.581	ug/L	100
49) Dibromochloromethane	8.47	129	33128	5.114	ug/L	100
50) 1,2-Dibromoethane	8.58	107	25501	5.123	ug/L	100
51) Chlorobenzene	9.11	112	94865	4.952	ug/L	100
52) Ethylbenzene	9.24	91	160405	5.024	ug/L	100
53) m,p-Xylene	9.37	106	59762	5.157	ug/L	100
54) o-Xylene	9.77	106	58476	5.178	ug/L	100
55) Styrene	9.79	104	100179	5.240	ug/L	100
56) Isopropylbenzene	10.16	105	154890	5.052	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	33915	5.121	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	25048	5.141	ug/L	100
61) Bromoform	9.95	173	19253	5.042	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	77981	4.971	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	78647	4.805	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	76038	4.998	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	5605	5.357	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	63435	5.074	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	48202	5.395	ug/L	100
69) Naphthalene	13.74	128	65075	5.463	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	46670	5.327	ug/L	100

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

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ClientSampleId :
VSTD00503

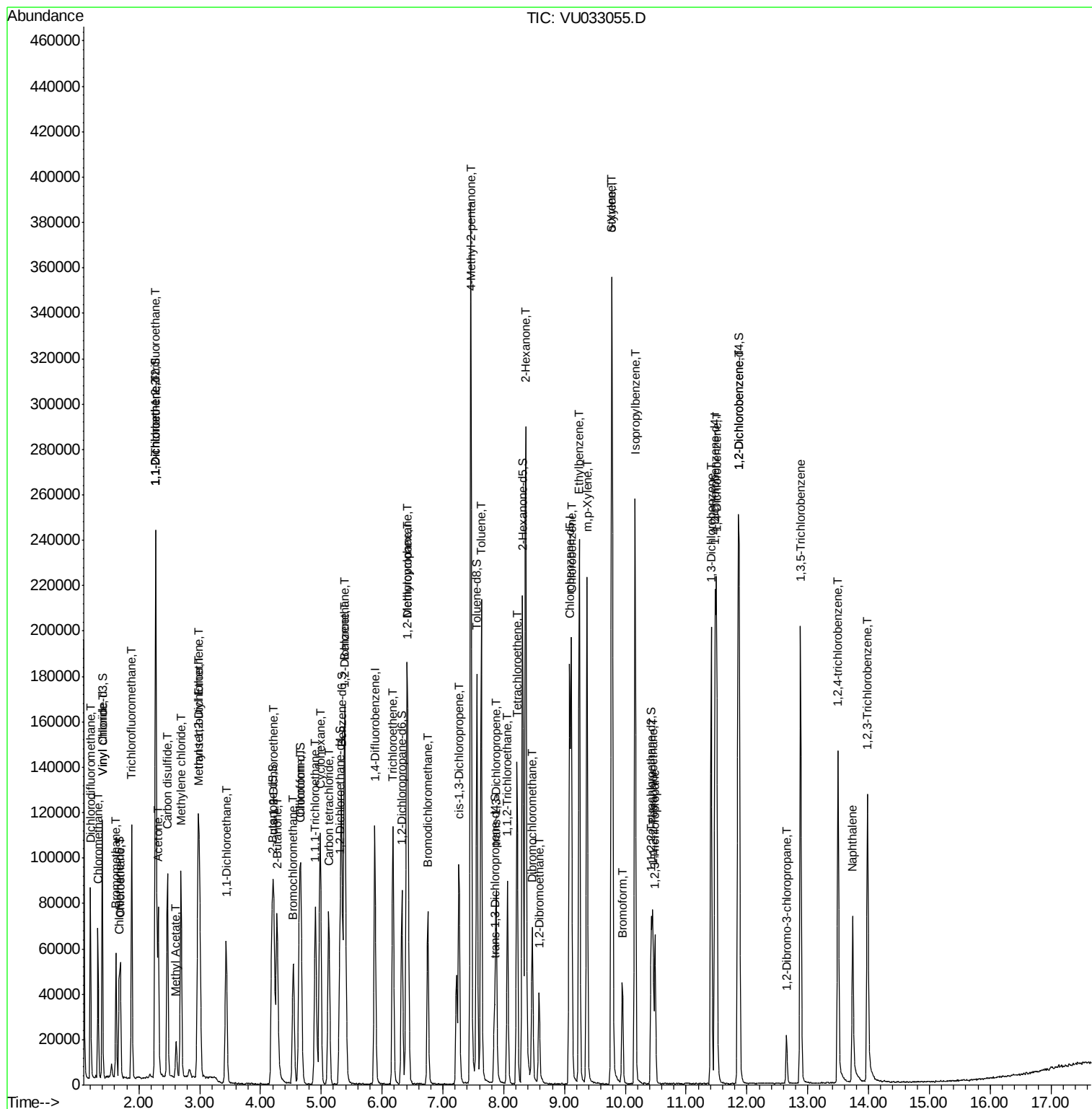
Quant Time: Jun 28 01:36:17 2019

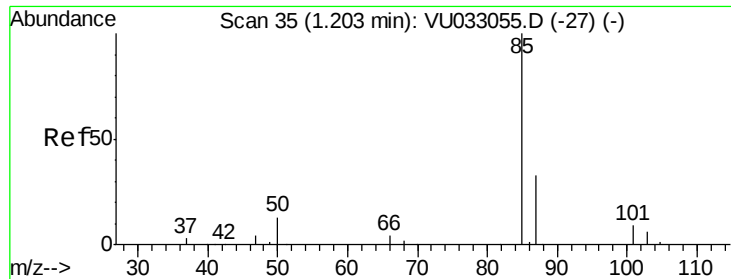
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR062719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 28 01:32:47 2019

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#2

Dichlorodifluoromethane

Concen: 5.058 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

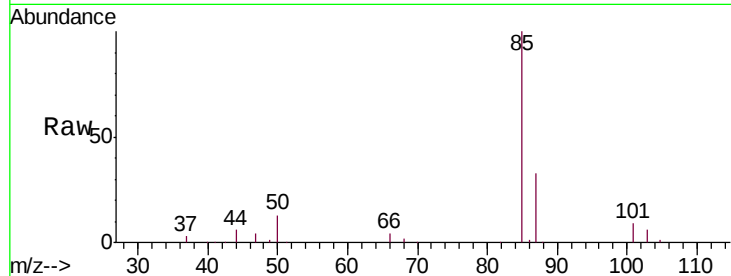
VSTD00503

Tgt Ion: 85 Resp: 47807

Ion Ratio Lower Upper

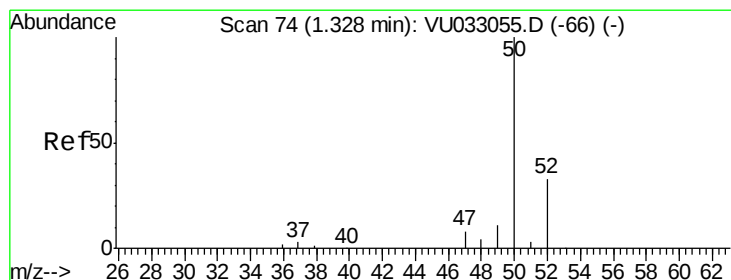
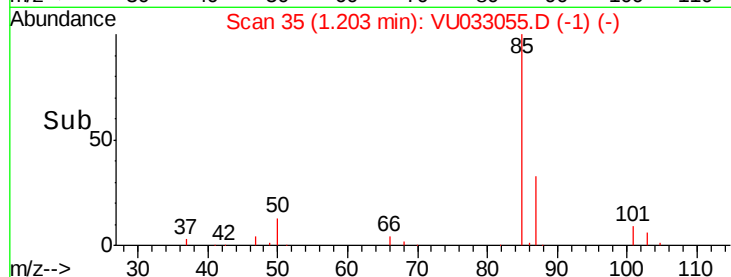
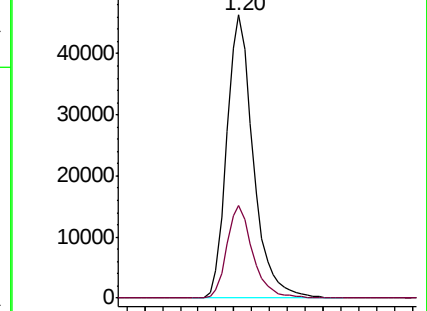
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033055.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033055.D (-27) (-)



#3

Chloromethane

Concen: 4.835 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033055.D

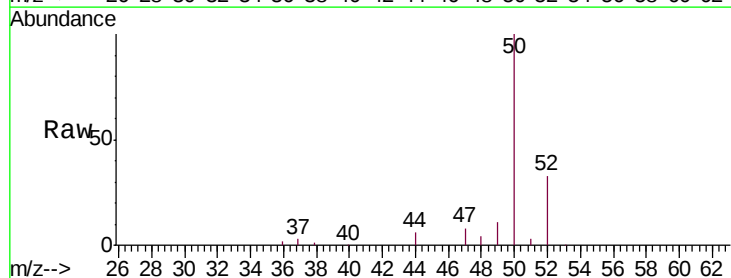
Acq: 27 Jun 2019 10:29

Tgt Ion: 50 Resp: 43045

Ion Ratio Lower Upper

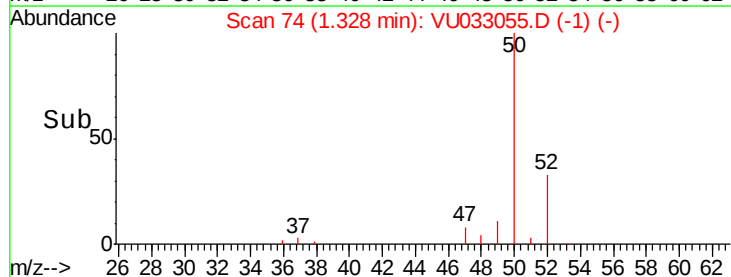
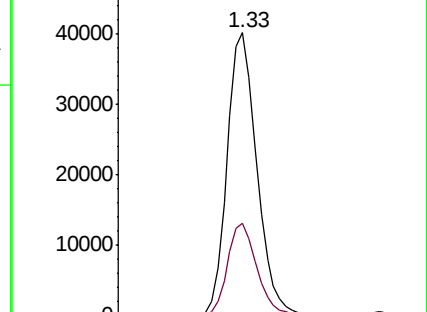
50 100

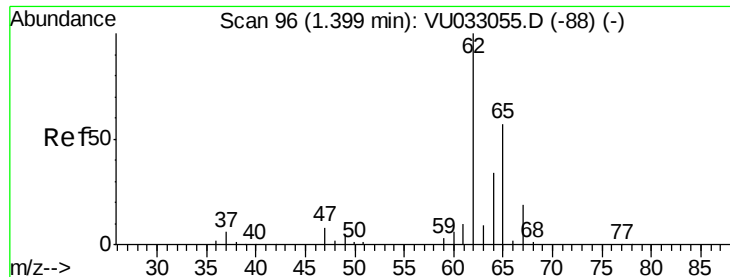
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU033055.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU033055.D (-66) (-)





#5

Vinyl chloride

Concen: 4.865 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

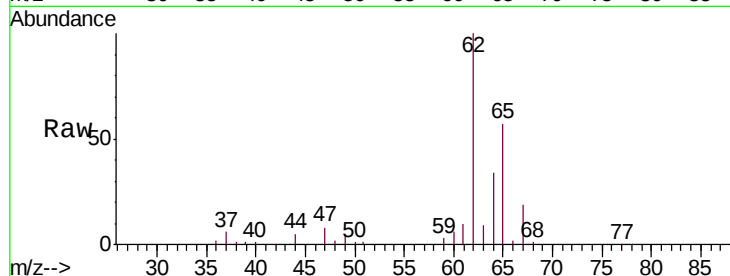
VSTD00503

Tgt Ion: 62 Resp: 43691

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9

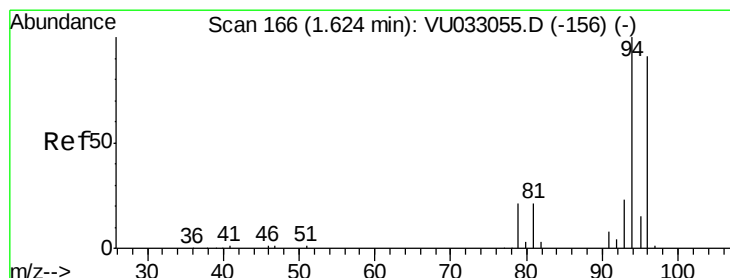
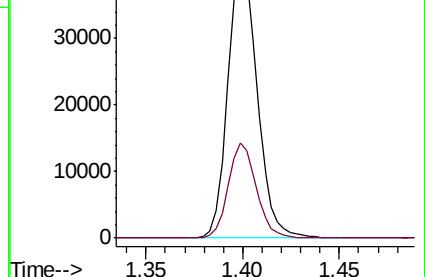
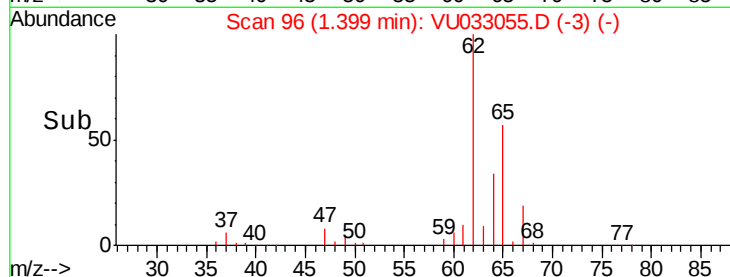


Abundance Ion 62.00 (61.70 to 62.70): VU033055.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU033055.D (-88) (-)

1.40

Time-->



#6

Bromomethane

Concen: 4.801 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033055.D

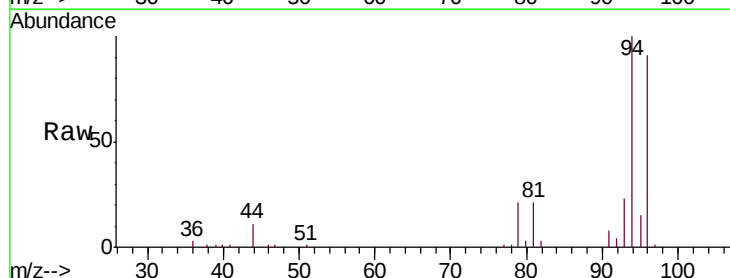
Acq: 27 Jun 2019 10:29

Tgt Ion: 94 Resp: 22602

Ion Ratio Lower Upper

94 100

96 91.5 64.0 119.0

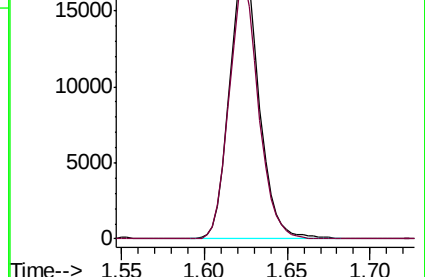
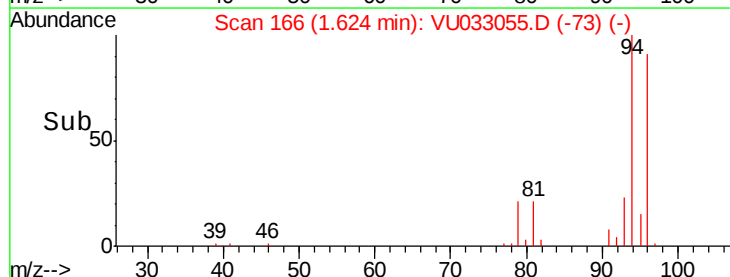


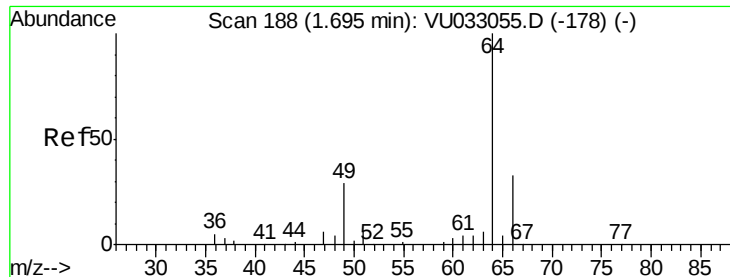
Abundance Ion 94.00 (93.70 to 94.70): VU033055.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033055.D (-156) (-)

1.62

Time-->

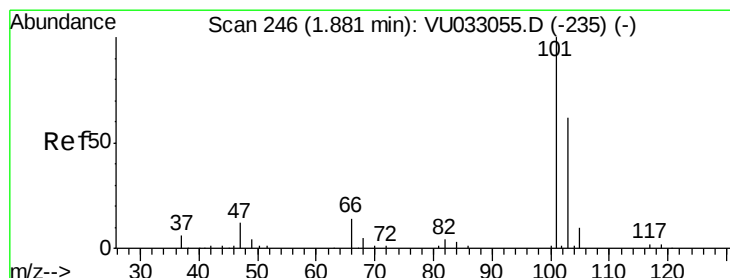
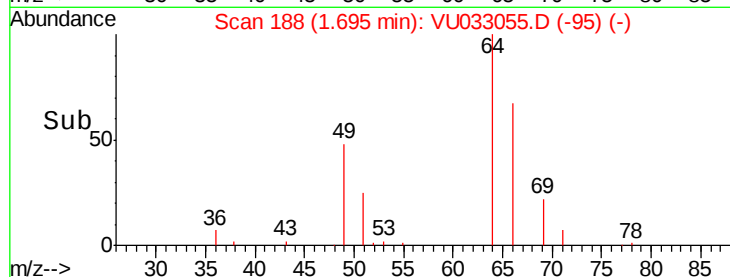
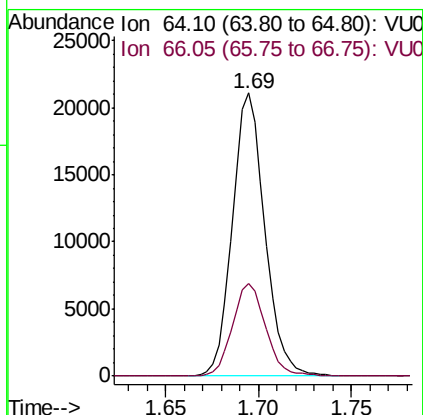
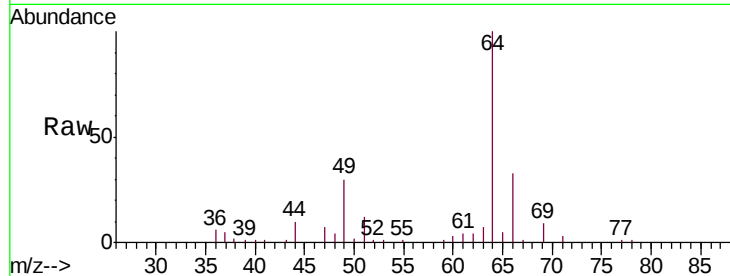




#8
Chloroethane
Concen: 4.914 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

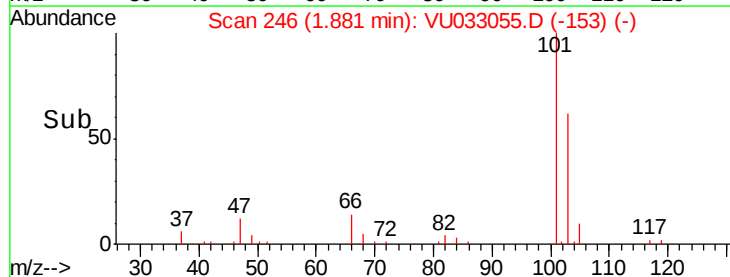
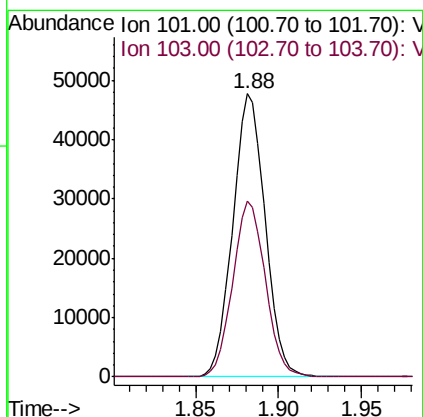
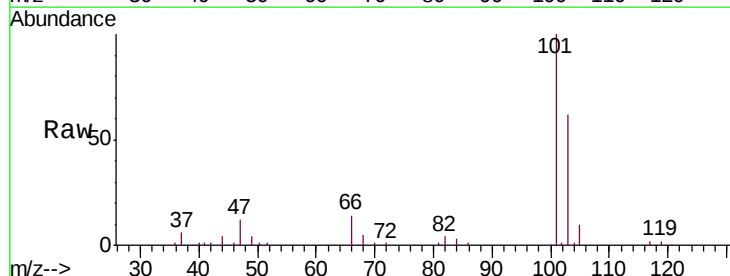
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

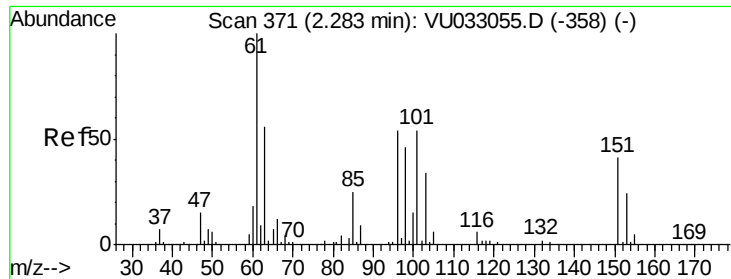
Tgt Ion: 64 Resp: 25567
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.084 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 101 Resp: 64703
Ion Ratio Lower Upper
101 100
103 62.6 50.1 75.1





#10

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

Concen: 5.046 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

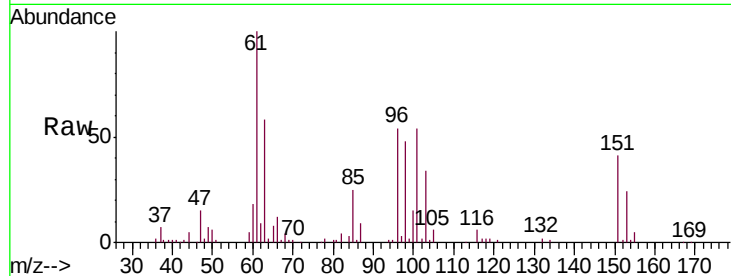
Tgt Ion:101 Resp: 33238

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

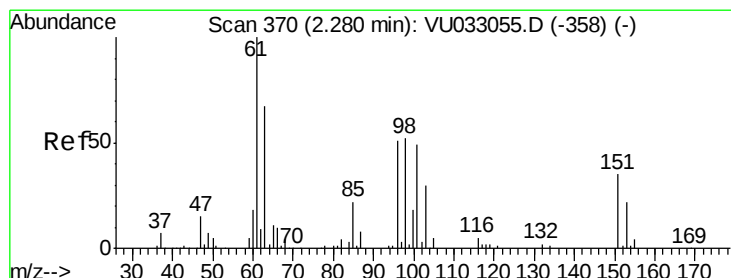
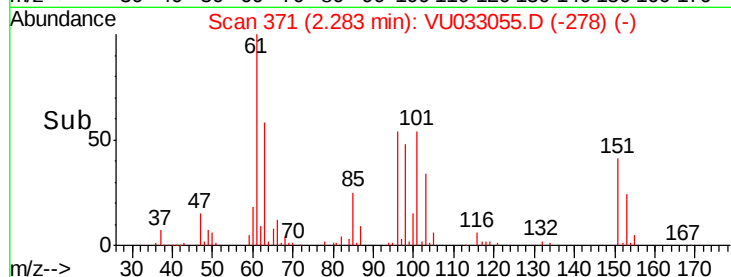
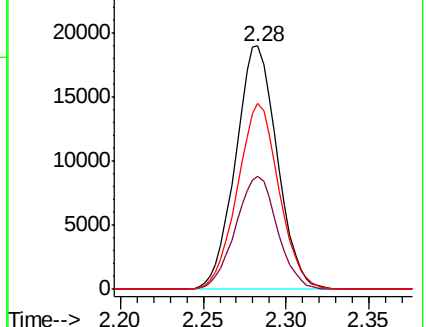
151 76.2 61.0 91.4



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: 4.966 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

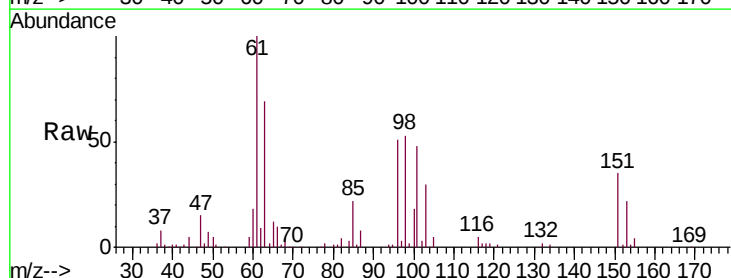
Tgt Ion: 96 Resp: 30352

Ion Ratio Lower Upper

96 100

61 196.6 137.6 255.6

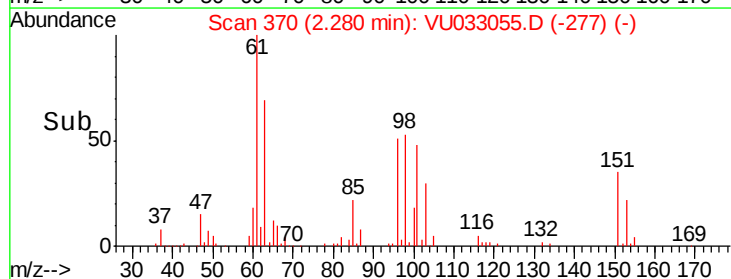
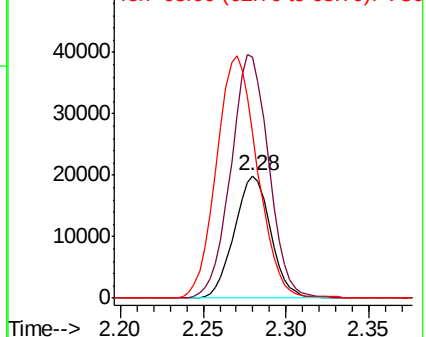
63 134.8 94.4 175.2

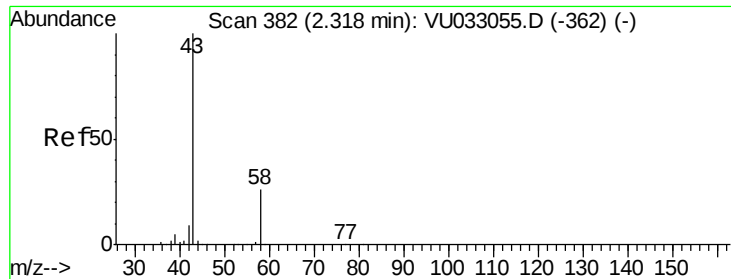


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.893 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

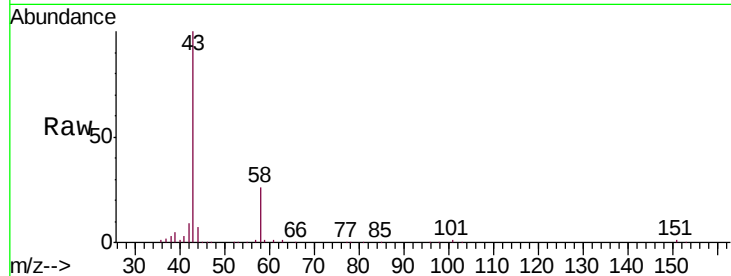
VSTD00503

Tgt Ion: 43 Resp: 76445

Ion Ratio Lower Upper

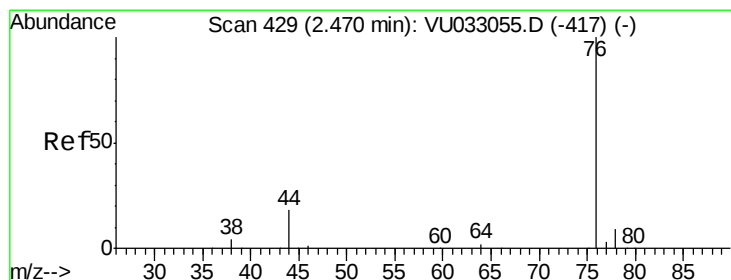
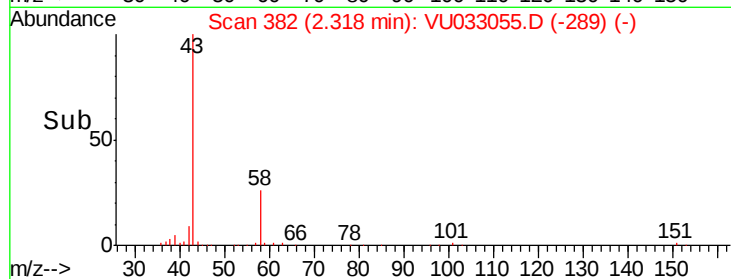
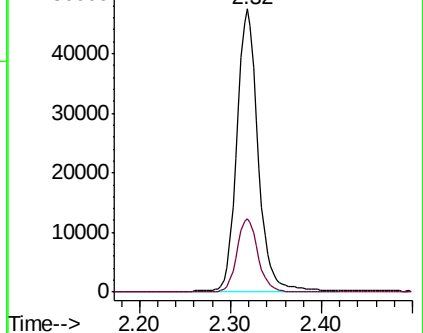
43 100

58 25.9 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033055.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU033055.D (-362) (-)



#14

Carbon disulfide

Concen: 4.928 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033055.D

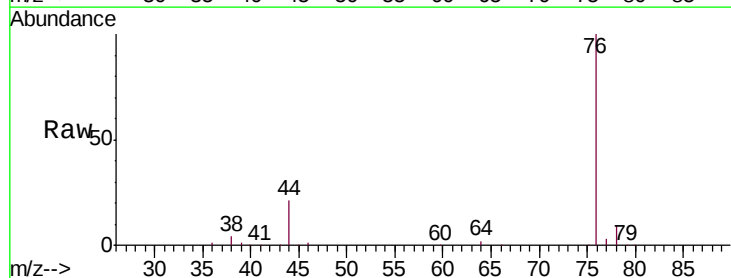
Acq: 27 Jun 2019 10:29

Tgt Ion: 76 Resp: 100213

Ion Ratio Lower Upper

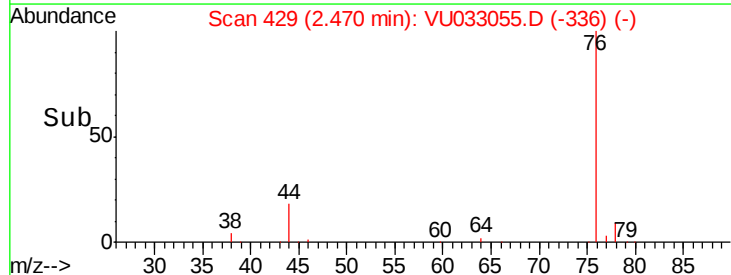
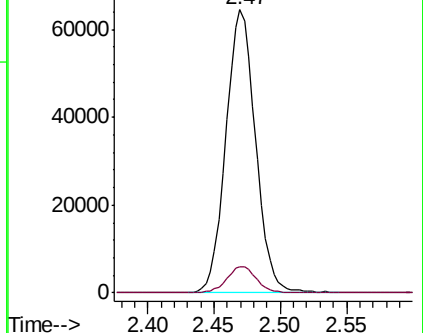
76 100

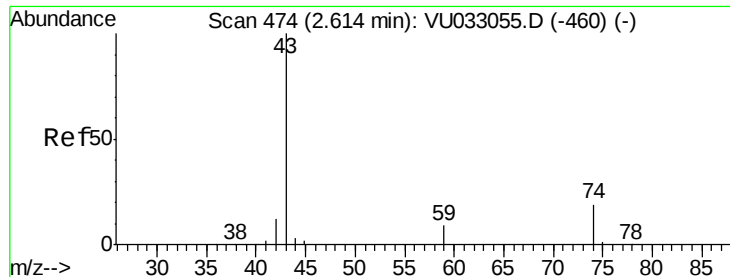
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU033055.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033055.D (-417) (-)

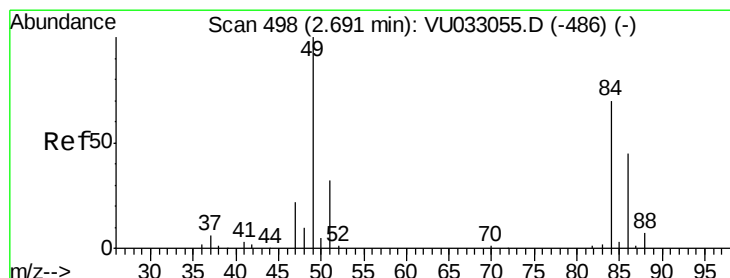
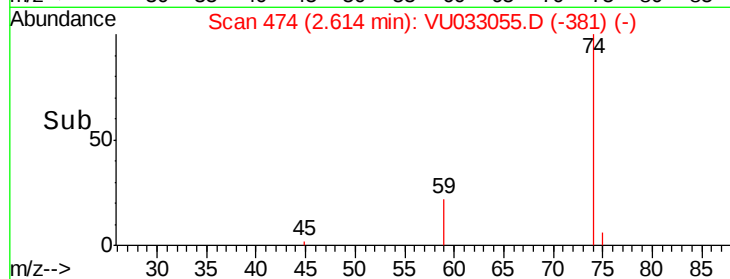
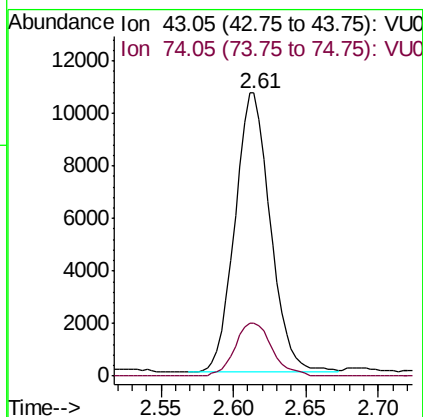
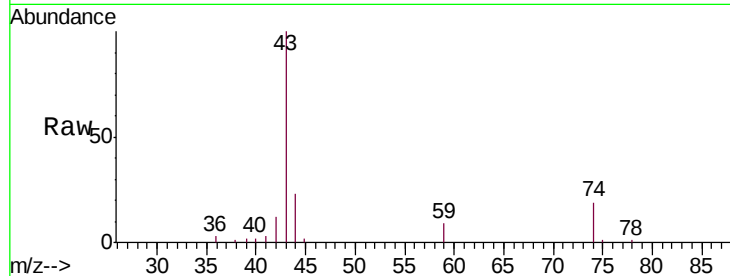




#15
Methyl Acetate
Concen: 4.966 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

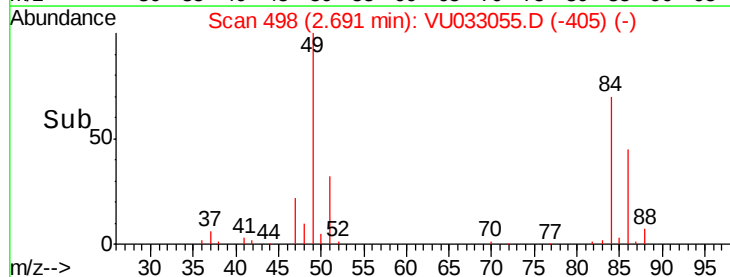
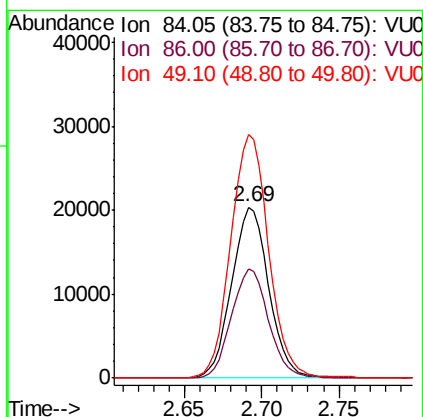
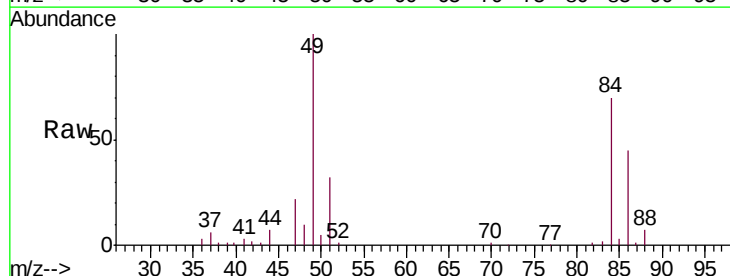
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

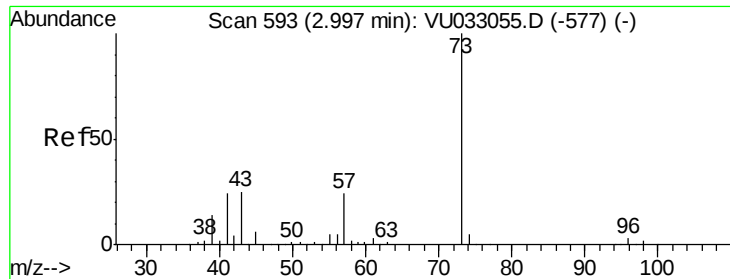
Tgt Ion: 43 Resp: 17962
Ion Ratio Lower Upper
43 100
74 20.1 16.1 24.1



#16
Methylene chloride
Concen: 4.843 ug/L
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 84 Resp: 33936
Ion Ratio Lower Upper
84 100
86 63.8 44.7 82.9
49 142.4 99.7 185.1

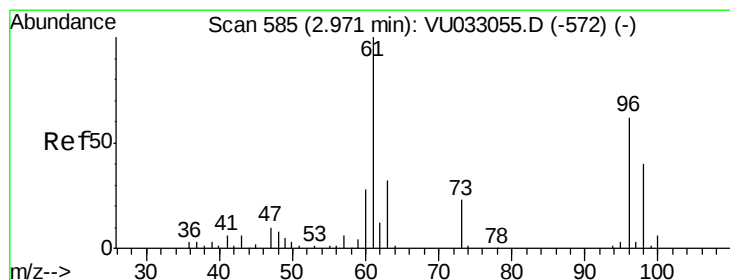
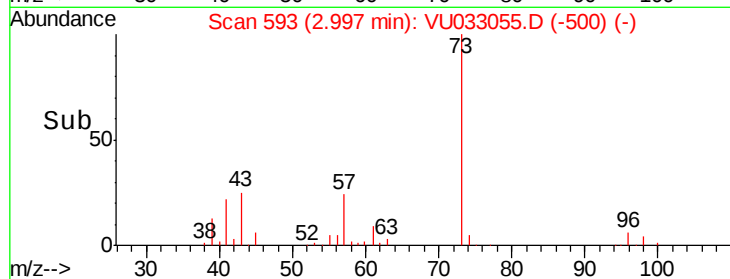
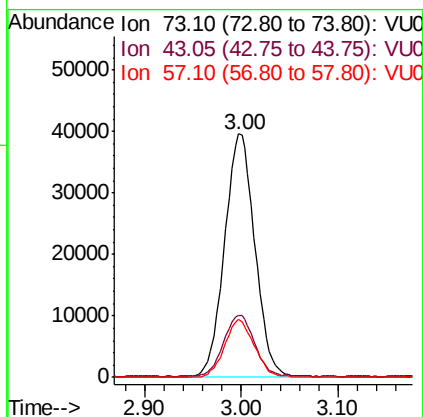
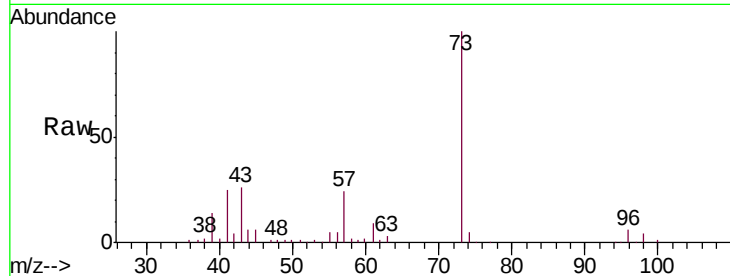




#17
Methyl tert-butyl Ether
Concen: 5.041 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

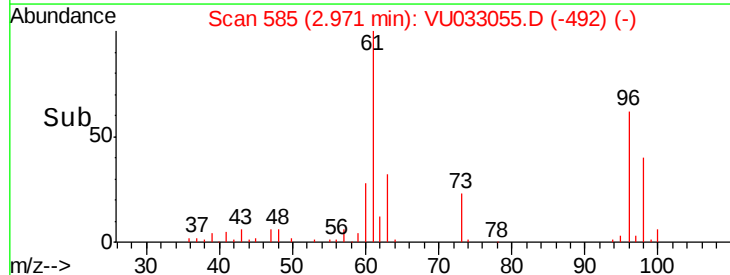
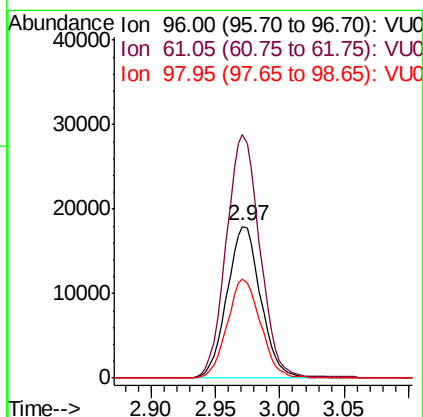
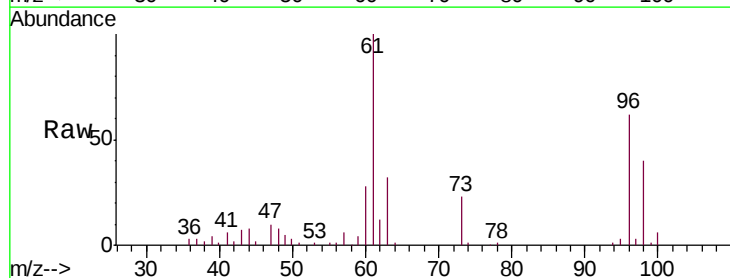
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

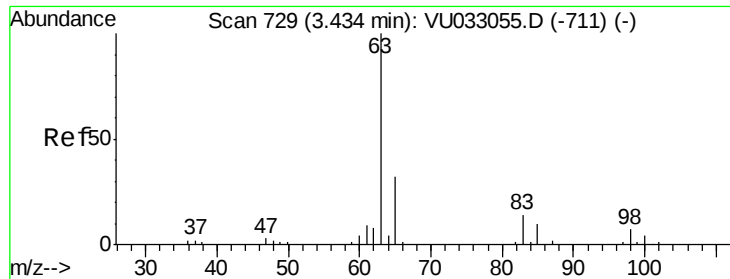
Tgt Ion: 73 Resp: 86434
Ion Ratio Lower Upper
73 100
43 25.2 20.2 30.2
57 23.1 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 4.874 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 96 Resp: 32604
Ion Ratio Lower Upper
96 100
61 160.3 112.2 208.4
98 64.9 45.4 84.4

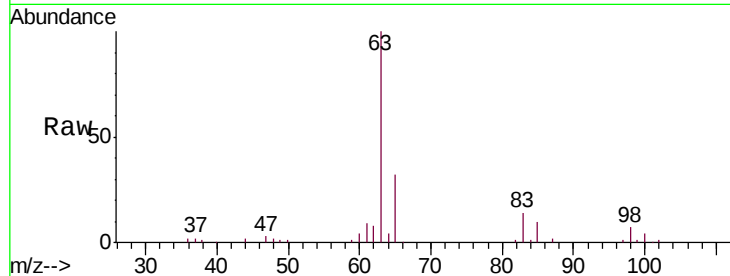




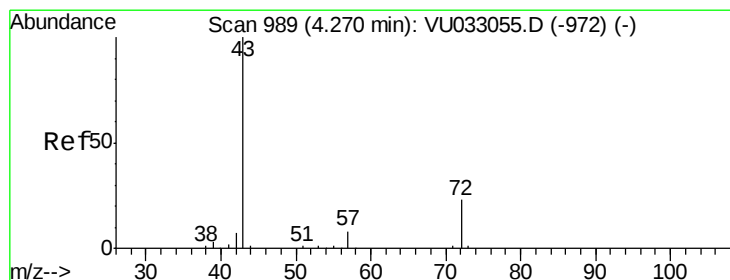
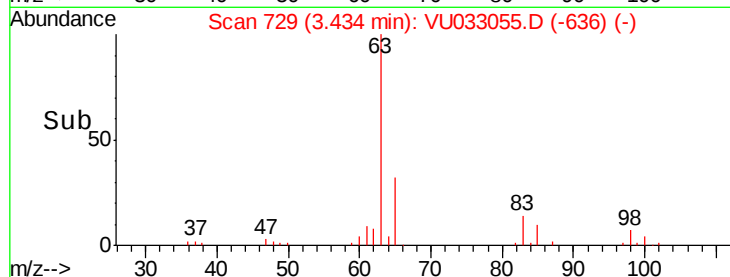
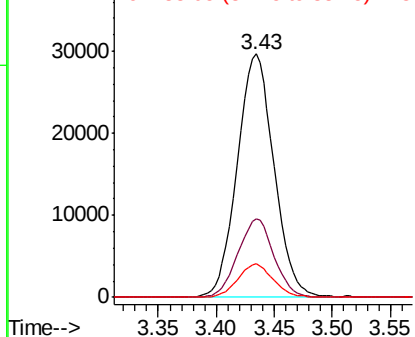
#19
 1,1-Dichloroethane
 Concen: 4.968 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion: 63 Resp: 65317
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.7 42.1
 83 13.7 9.6 17.8

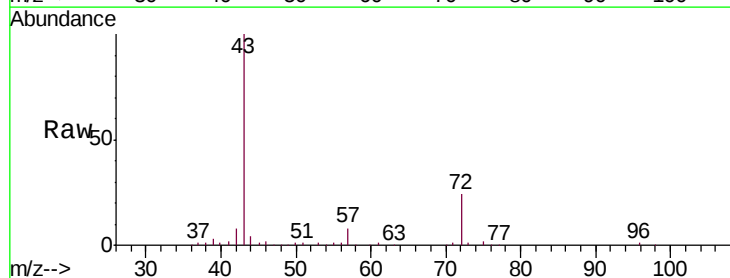


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

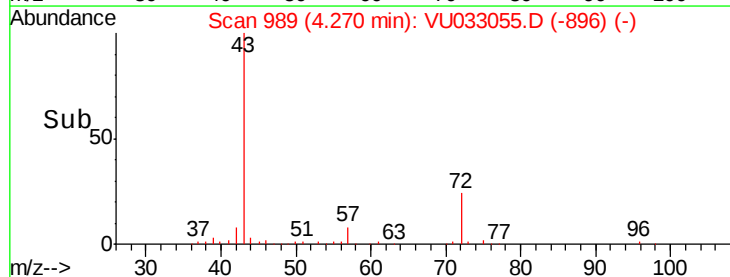
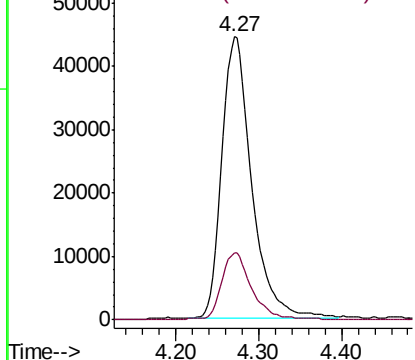


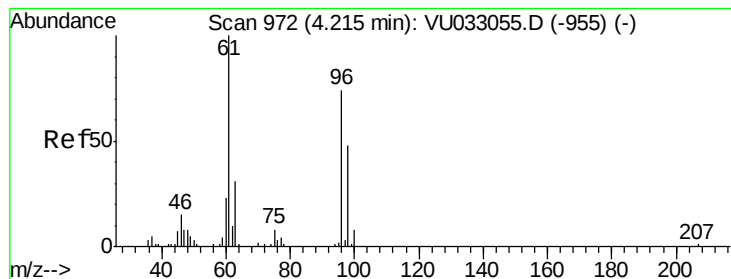
#21
 2-Butanone
 Concen: 50.696 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Tgt Ion: 43 Resp: 111576
 Ion Ratio Lower Upper
 43 100
 72 23.0 11.5 34.5



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



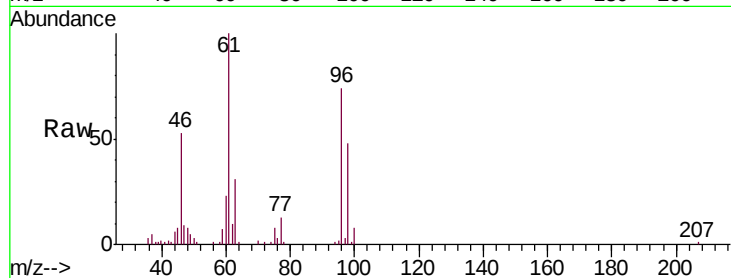


#22

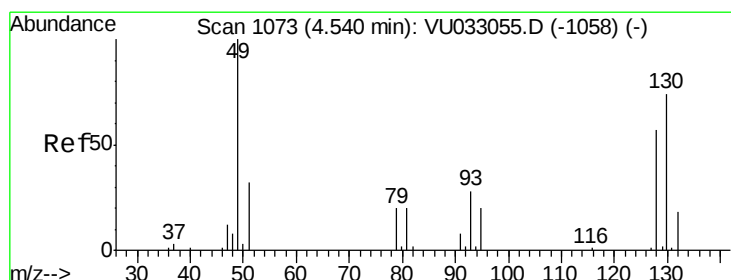
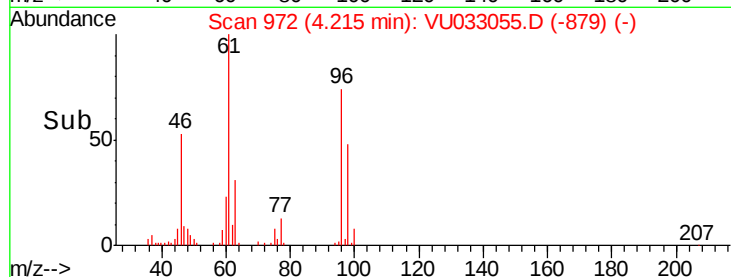
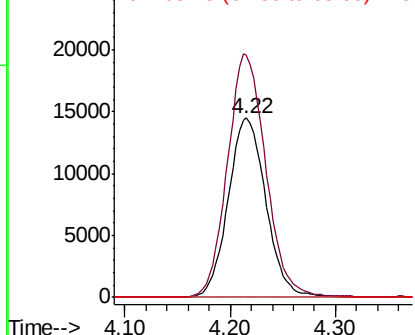
cis-1,2-Dichloroethene
Concen: 4.940 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion: 96 Resp: 35901
Ion Ratio Lower Upper
96 100
61 135.2 94.6 175.8
68 0.0 0.0 0.0



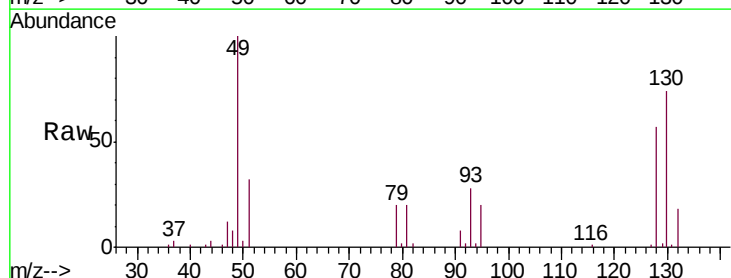
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



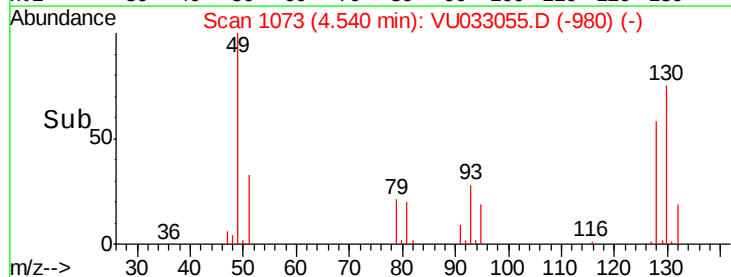
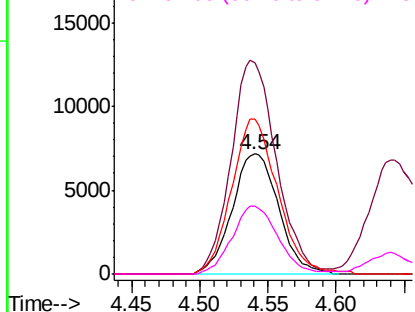
#23

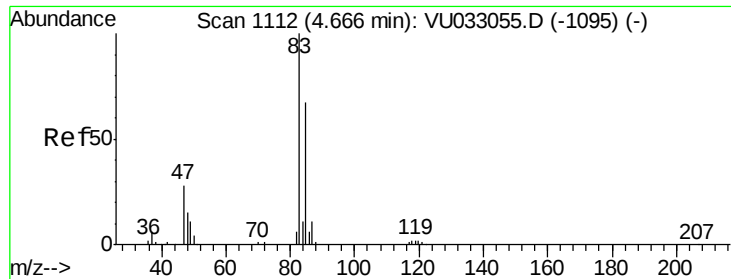
Bromochloromethane
Concen: 5.272 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 128 Resp: 17000
Ion Ratio Lower Upper
128 100
49 176.1 123.3 228.9
130 129.8 90.9 168.7
51 57.0 45.6 68.4



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

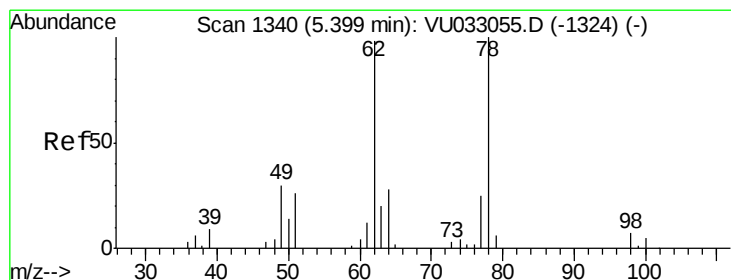
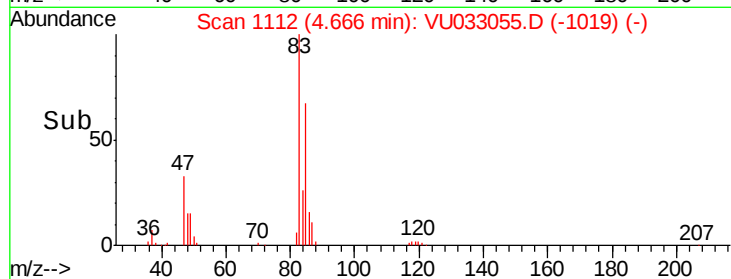
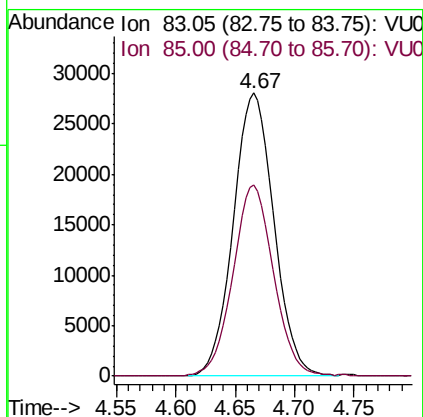
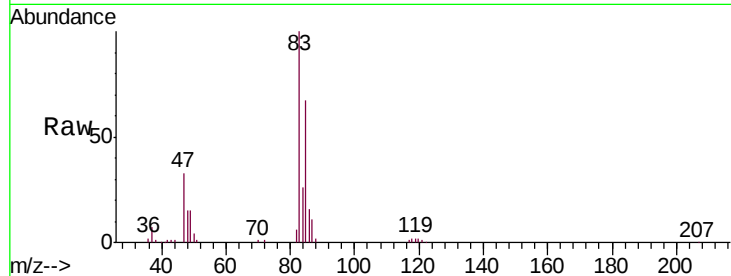




#25
Chloroform
Concen: 4.977 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

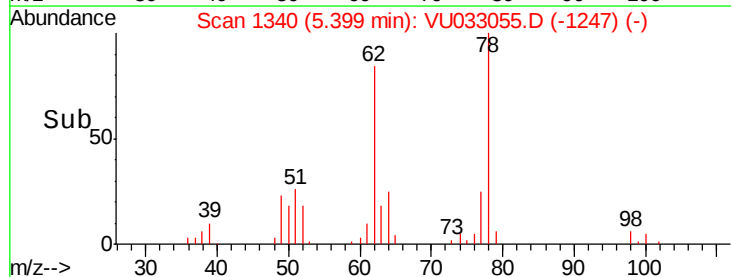
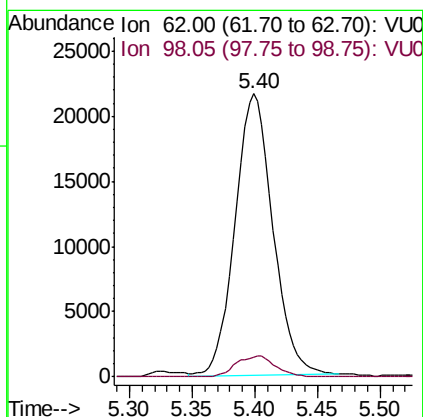
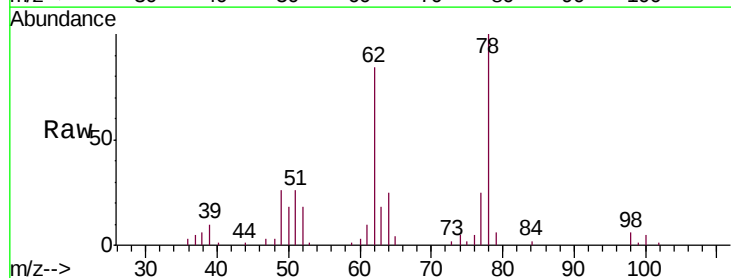
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

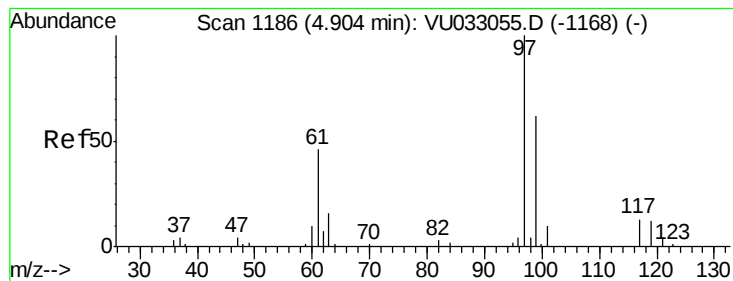
Tgt Ion: 83 Resp: 66506
Ion Ratio Lower Upper
83 100
85 67.5 47.3 87.8



#27
1,2-Dichloroethane
Concen: 4.953 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 62 Resp: 45325
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6





#29

1,1,1-Trichloroethane

Concen: 5.011 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

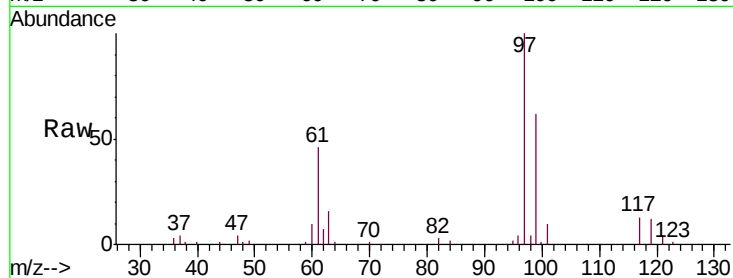
Tgt Ion: 97 Resp: 58625

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

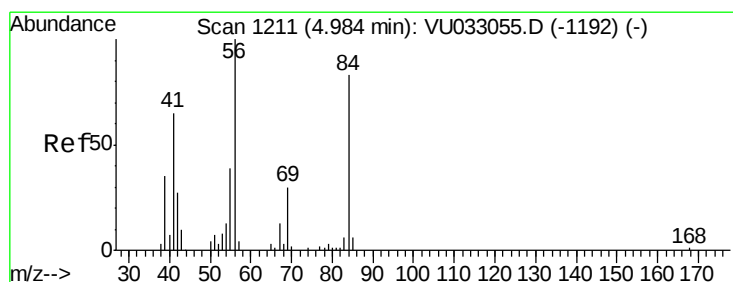
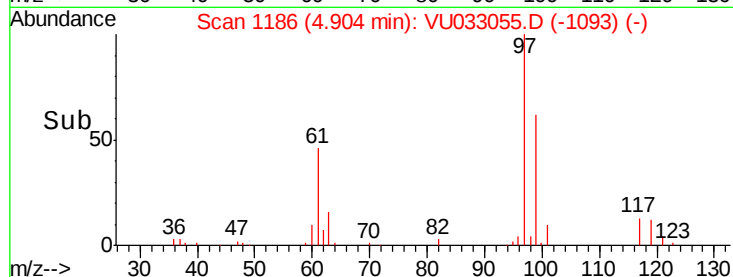
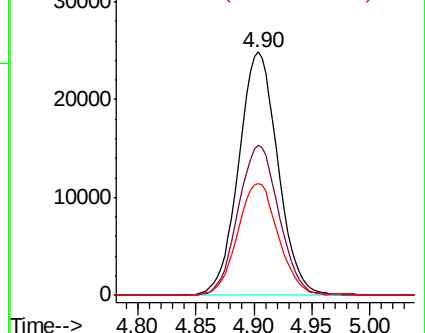
61 47.6 38.1 57.1



Abundance Ion 96.95 (96.65 to 97.65): VU033055.D (-1168) (-)

Ion 99.05 (98.75 to 99.75): VU033055.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU033055.D (-1168) (-)



#30

Cyclohexane

Concen: 5.045 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

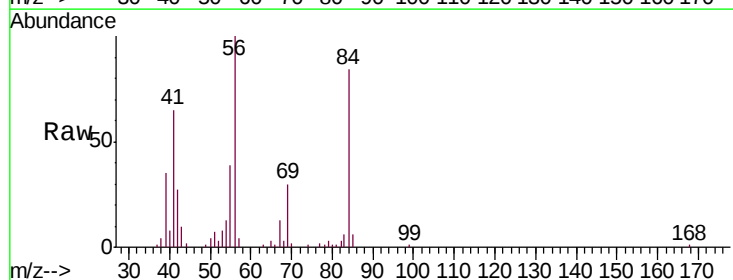
Tgt Ion: 56 Resp: 54691

Ion Ratio Lower Upper

56 100

69 29.6 23.7 35.5

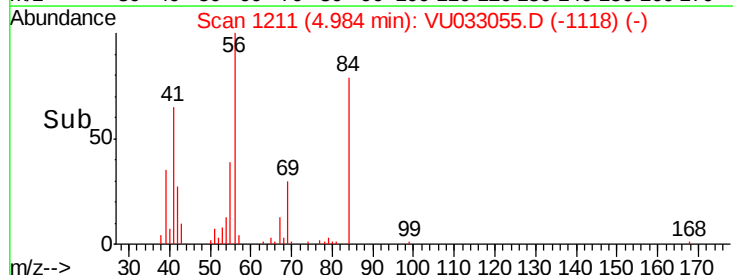
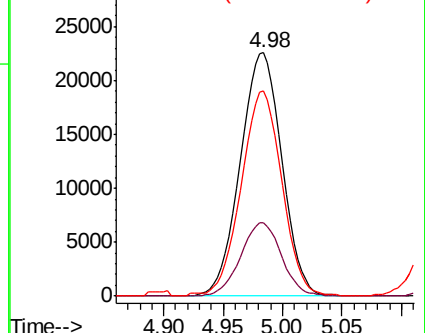
84 82.3 65.8 98.8

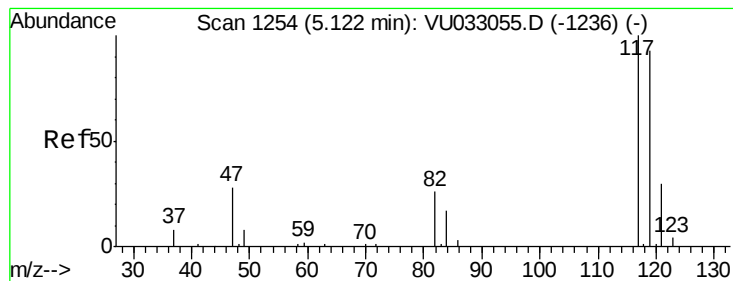


Abundance Ion 56.10 (55.80 to 56.80): VU033055.D (-1192) (-)

Ion 69.15 (68.85 to 69.85): VU033055.D (-1192) (-)

Ion 84.15 (83.85 to 84.85): VU033055.D (-1192) (-)





#31

Carbon tetrachloride

Concen: 5.041 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

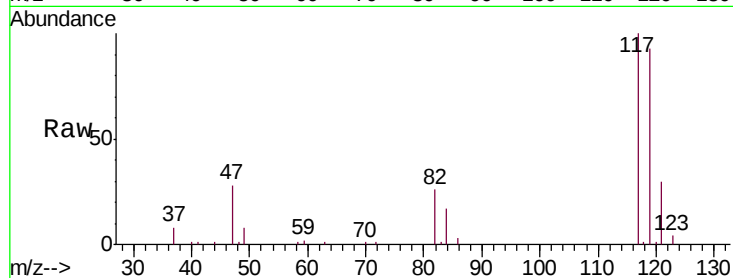
VSTD00503

Tgt Ion:117 Resp: 53662

Ion Ratio Lower Upper

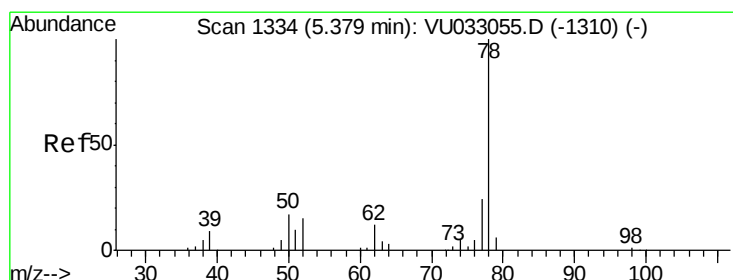
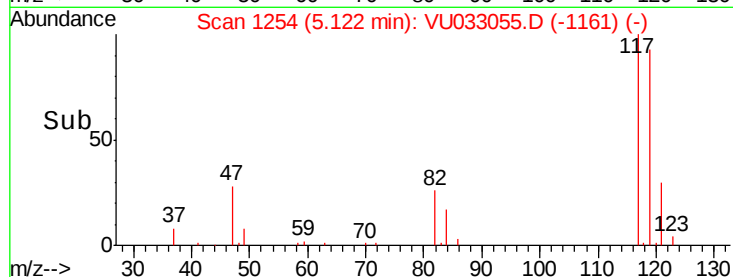
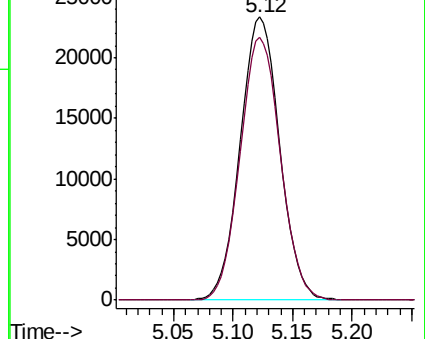
117 100

119 94.4 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.092 ug/L

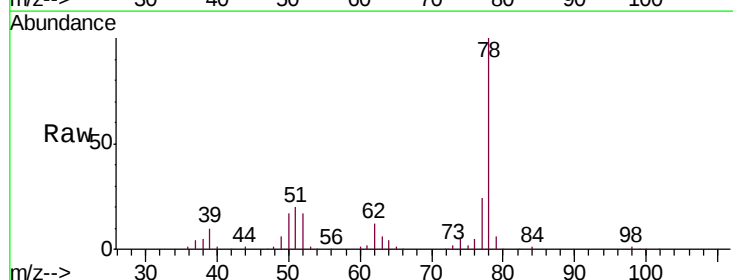
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

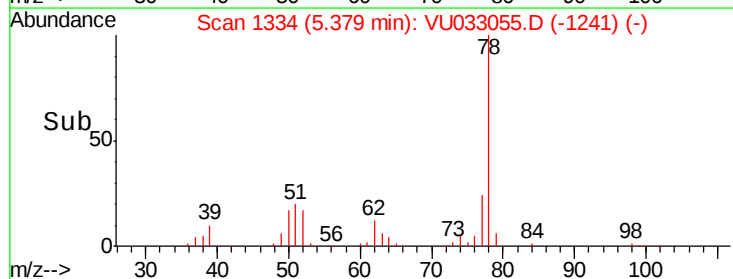
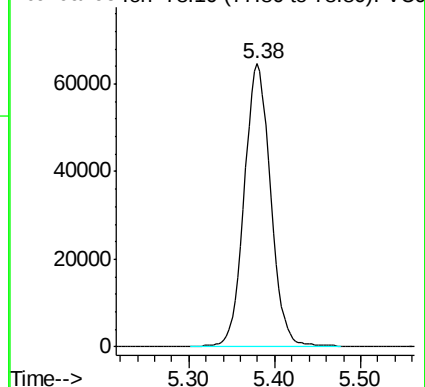
Lab File: VU033055.D

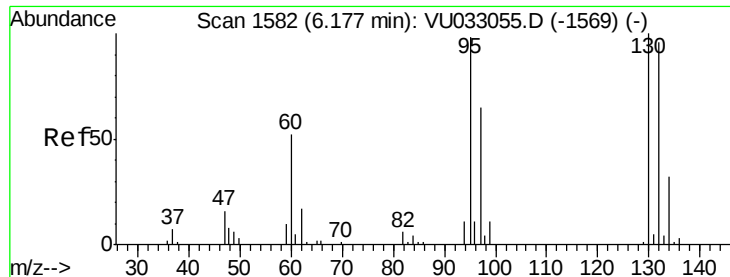
Acq: 27 Jun 2019 10:29

Tgt Ion: 78 Resp: 138245



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.070 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tgt Ion: 95 Resp: 37694

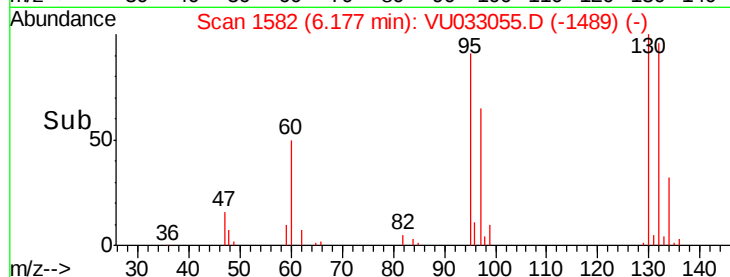
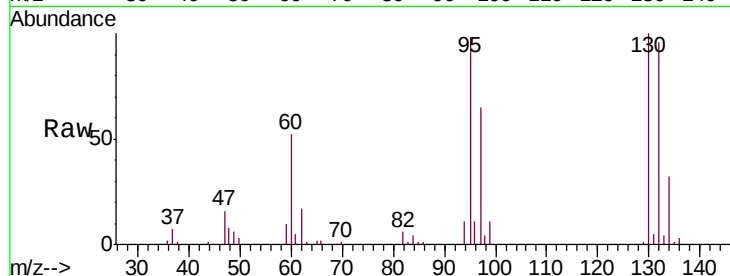
Ion Ratio Lower Upper

95 100

97 65.7 46.0 85.4

132 98.0 68.6 127.4

130 101.6 71.1 132.1

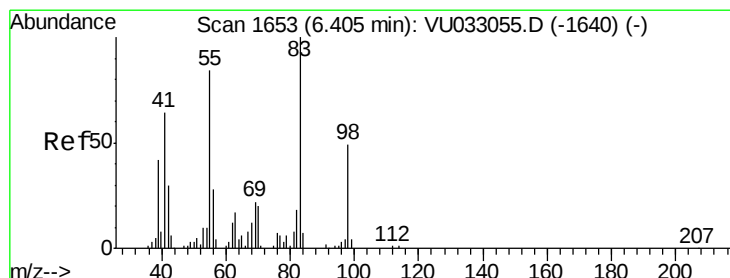
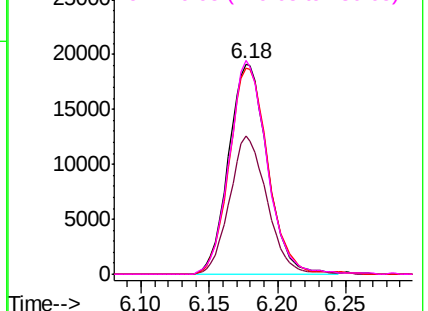


Abundance Ion 95.00 (94.70 to 95.70): VU033055.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU033055.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU033055.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU033055.D (-1489) (-)



#35

Methylcyclohexane

Concen: 4.907 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

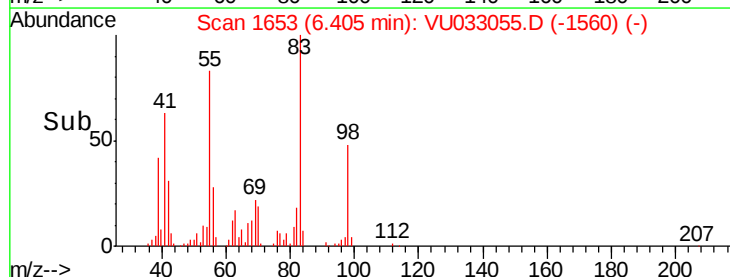
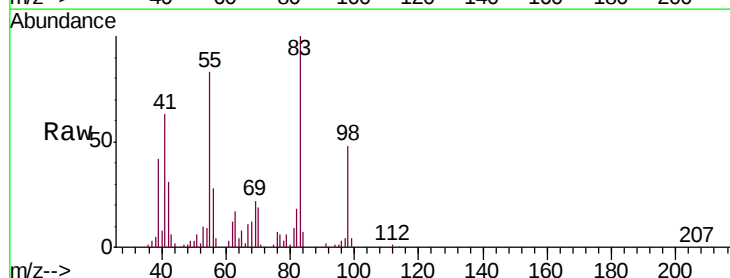
Tgt Ion: 83 Resp: 54314

Ion Ratio Lower Upper

83 100

55 83.7 67.0 100.4

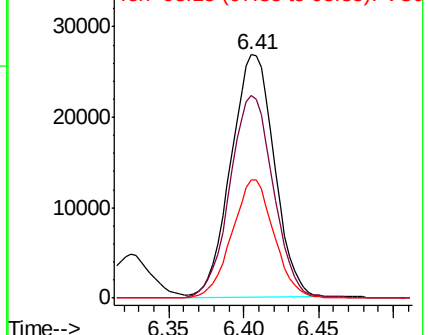
98 47.1 37.7 56.5

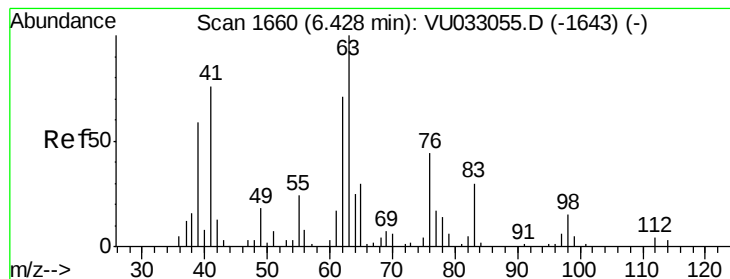


Abundance Ion 83.15 (82.85 to 83.85): VU033055.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU033055.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU033055.D (-1560) (-)





#37

1,2-Dichloropropane

Concen: 5.138 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

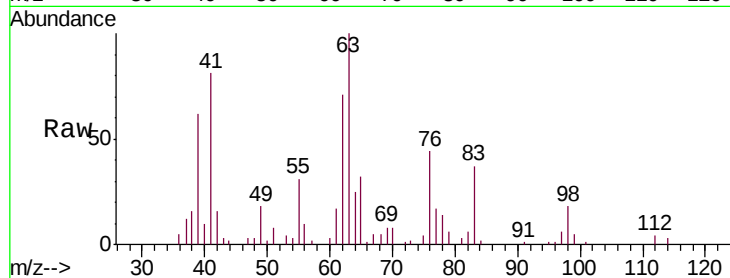
VSTD00503

Tgt Ion: 63 Resp: 37405

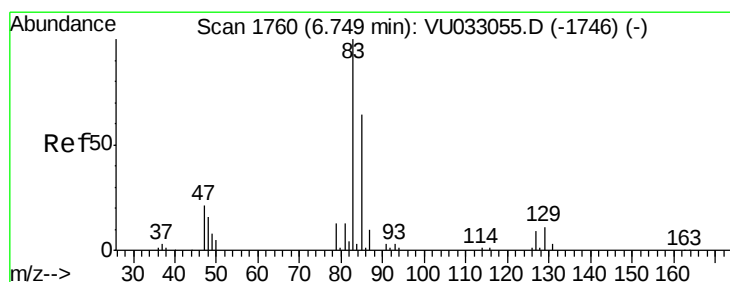
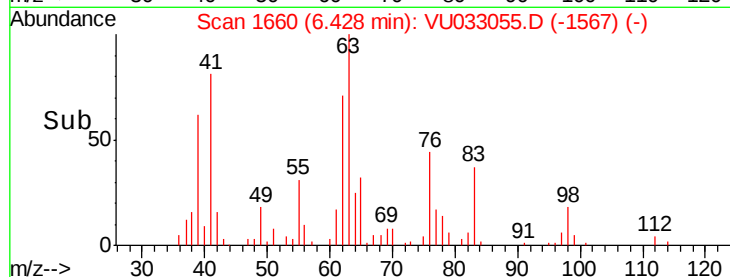
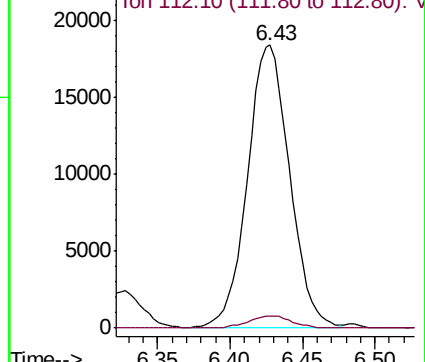
Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU033055.D (-1643) (-)



#38

Bromodichloromethane

Concen: 5.066 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

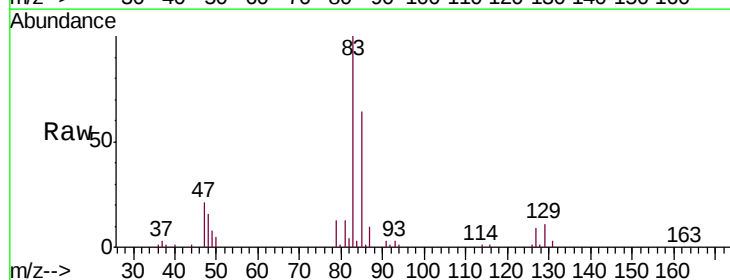
Tgt Ion: 83 Resp: 48634

Ion Ratio Lower Upper

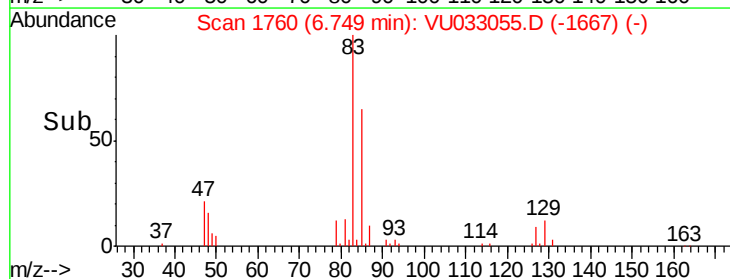
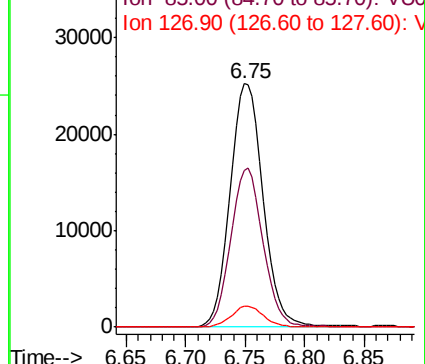
83 100

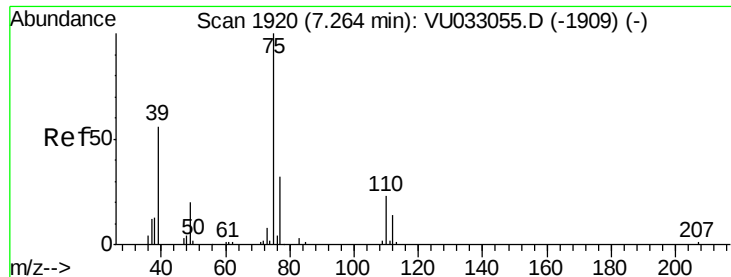
85 64.5 45.1 83.9

127 8.6 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VU033055.D (-1746) (-)

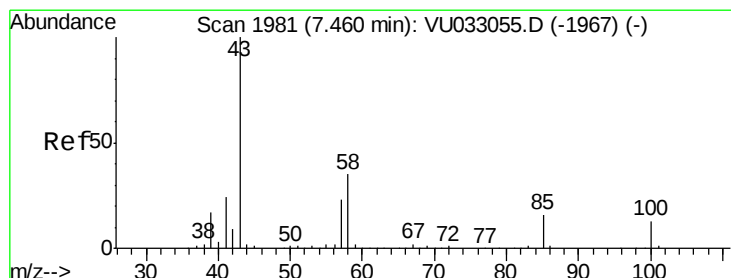
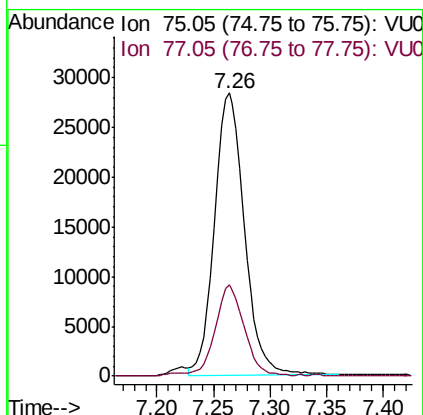
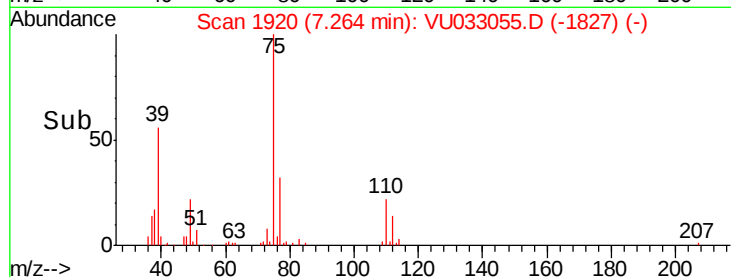
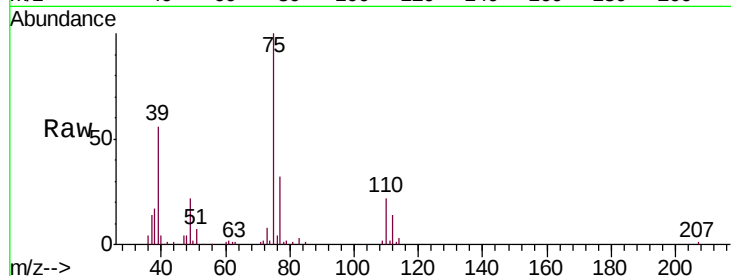




#39
 cis-1,3-Dichloropropene
 Concen: 4.915 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

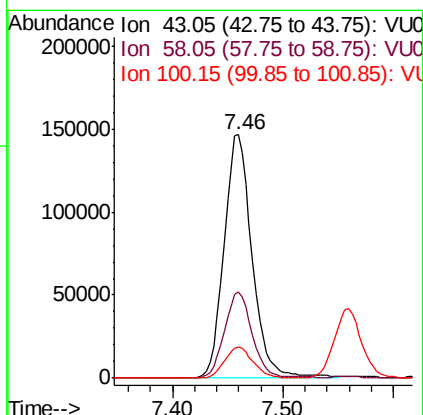
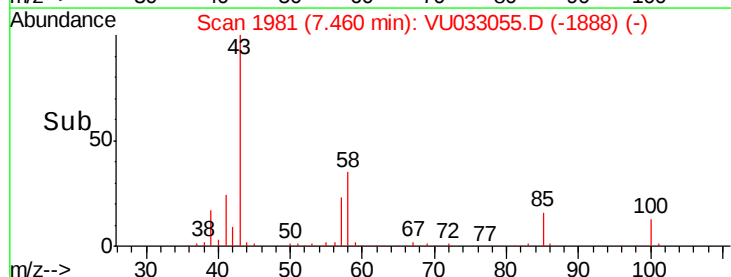
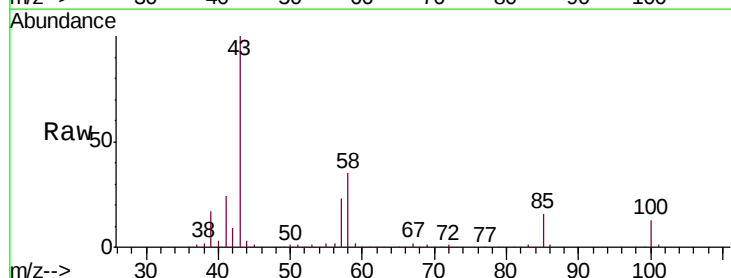
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

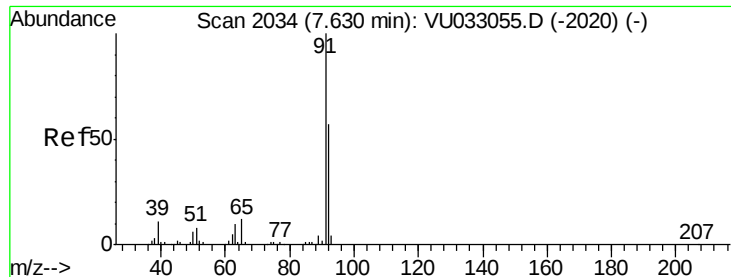
Tgt Ion: 75 Resp: 52180
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 51.599 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Tgt Ion: 43 Resp: 258931
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.2 42.2
 100 13.0 10.4 15.6





#42

Toluene

Concen: 5.154 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

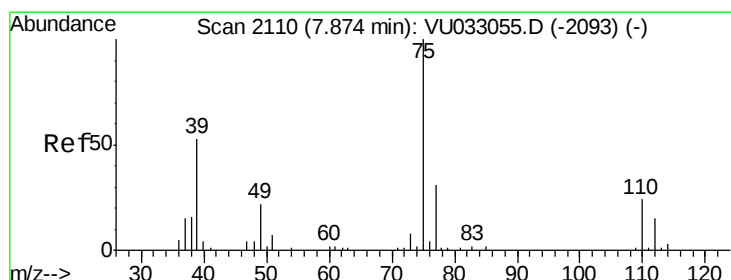
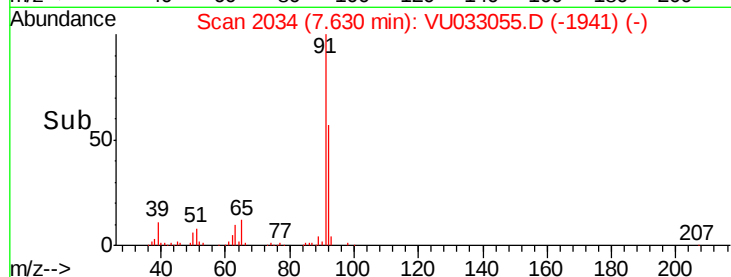
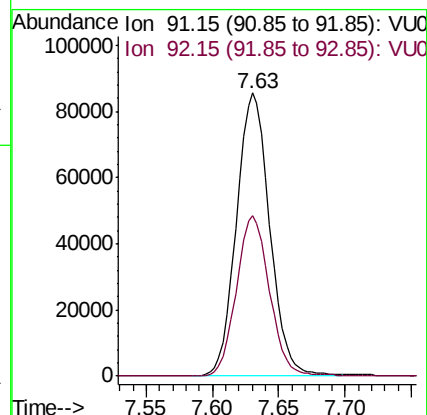
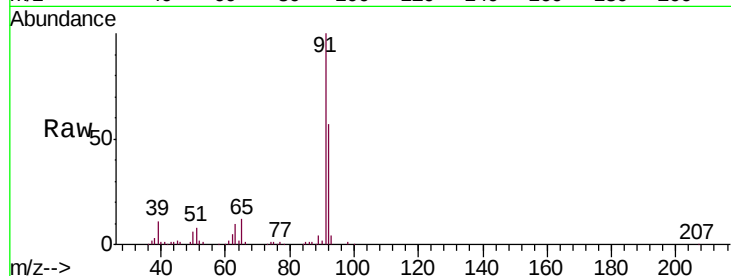
VSTD00503

Tgt Ion: 91 Resp: 149459

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 5.218 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033055.D

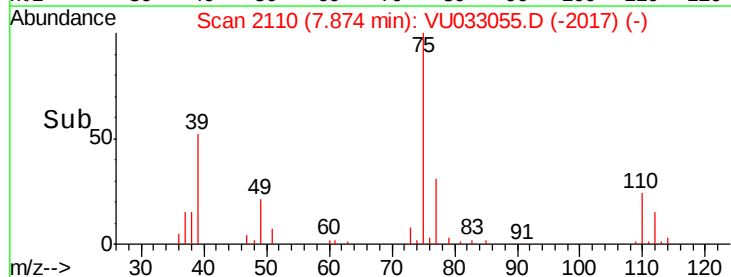
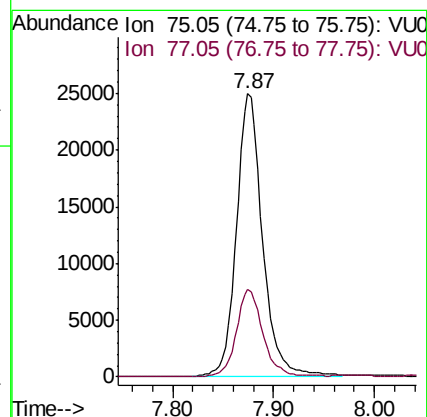
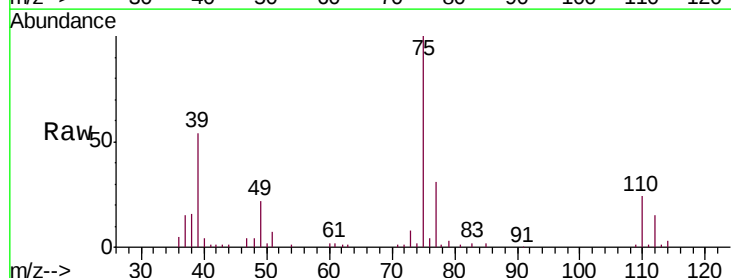
Acq: 27 Jun 2019 10:29

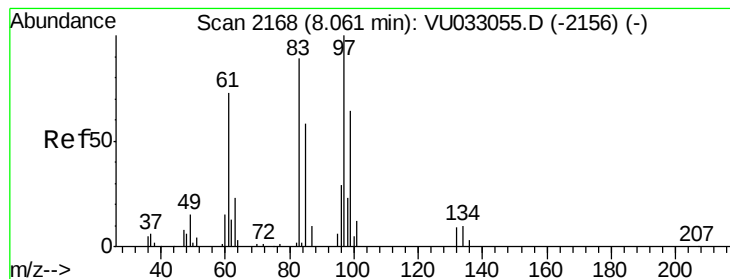
Tgt Ion: 75 Resp: 45144

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 5.032 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tgt Ion: 97 Resp: 25690

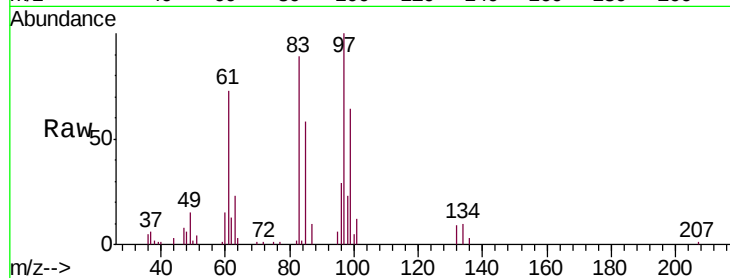
Ion Ratio Lower Upper

97 100

99 63.9 44.7 83.1

83 89.4 62.6 116.2

85 57.8 40.5 75.1



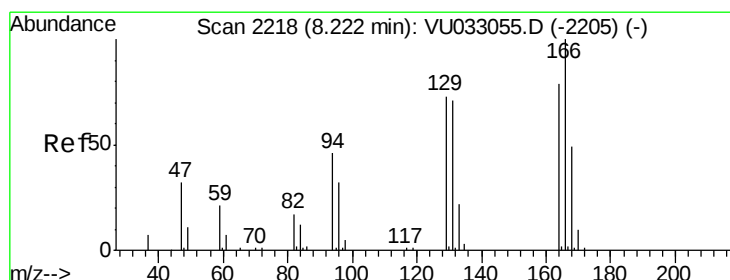
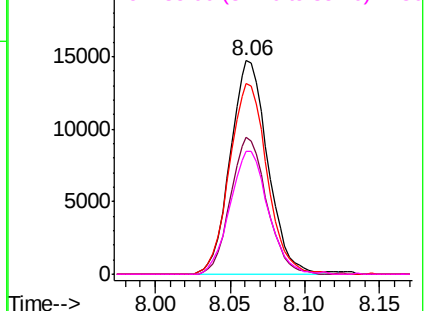
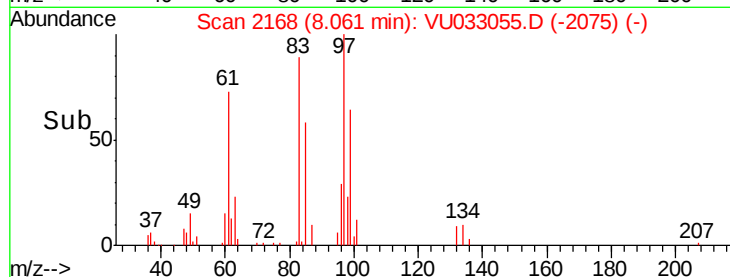
Abundance

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: 5.164 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Tgt Ion: 164 Resp: 30887

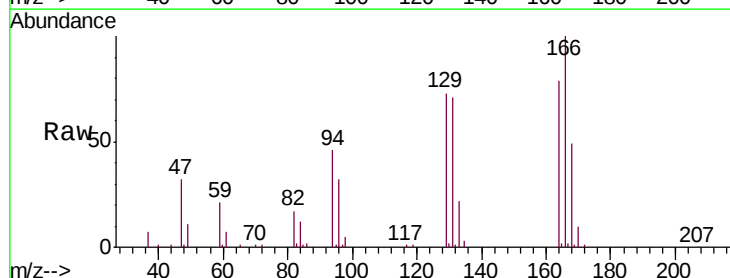
Ion Ratio Lower Upper

164 100

129 92.7 64.9 120.5

131 90.7 63.5 117.9

166 127.3 89.1 165.5



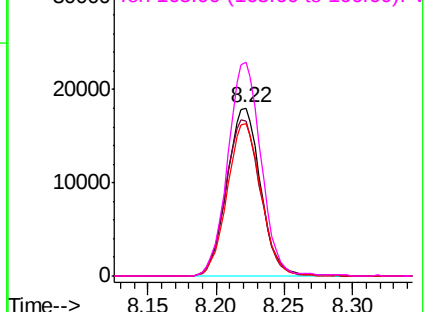
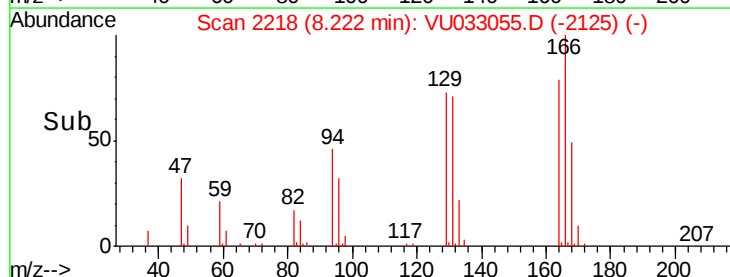
Abundance

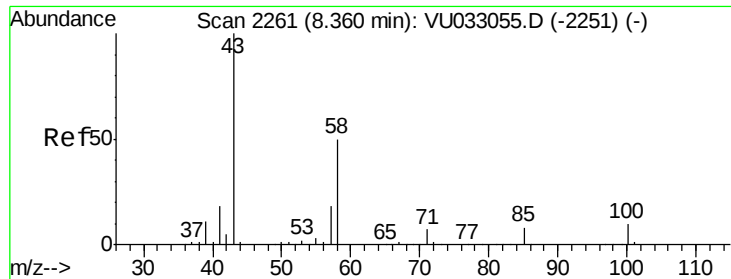
Ion 163.90 (163.60 to 164.60): V

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

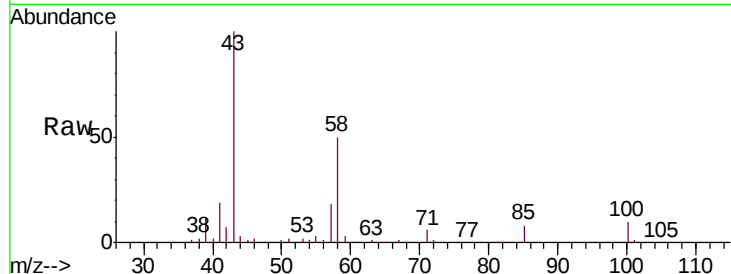




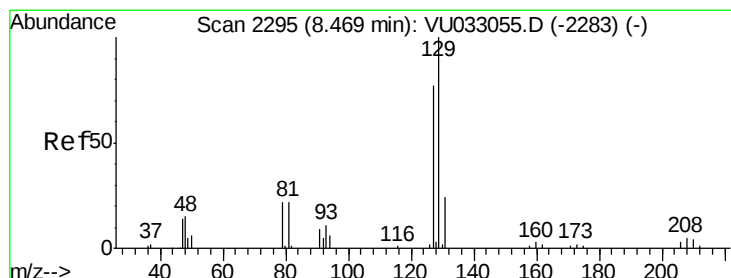
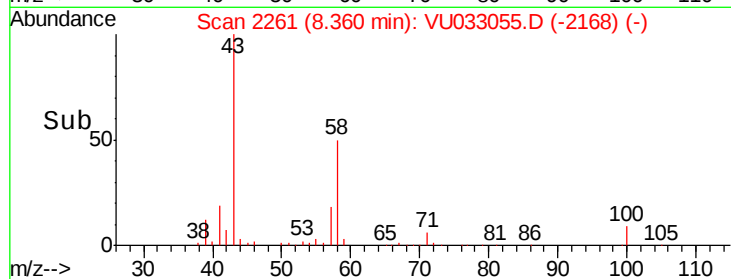
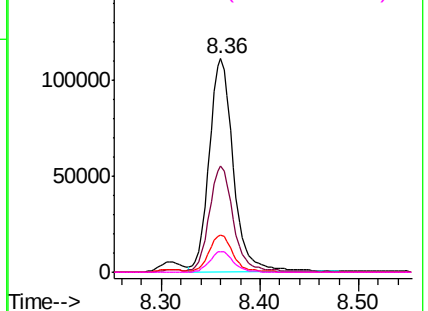
#48
2-Hexanone
Concen: 52.581 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion: 43 Resp: 188815
Ion Ratio Lower Upper
43 100
58 50.0 40.0 60.0
57 17.5 14.0 21.0
100 9.9 7.9 11.9

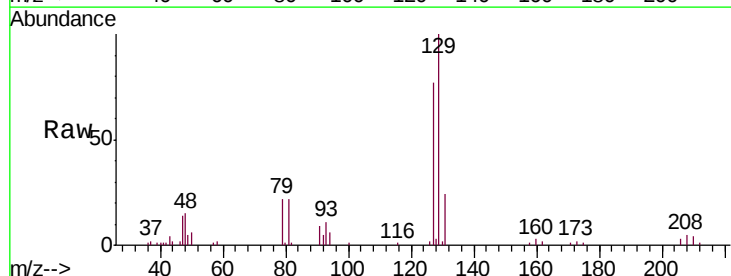


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

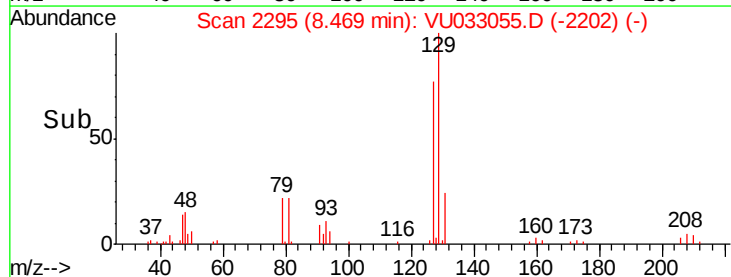
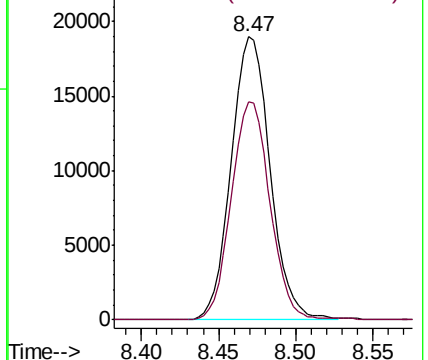


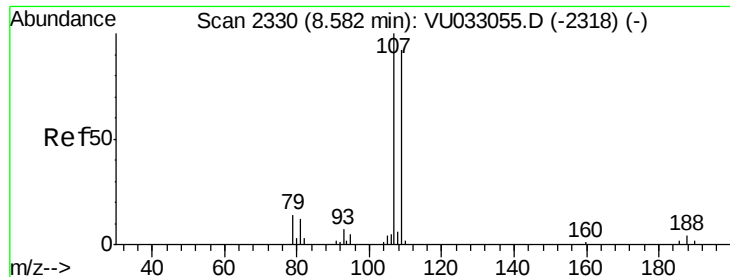
#49
Dibromochloromethane
Concen: 5.114 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion: 129 Resp: 33128
Ion Ratio Lower Upper
129 100
127 77.2 54.0 100.4



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

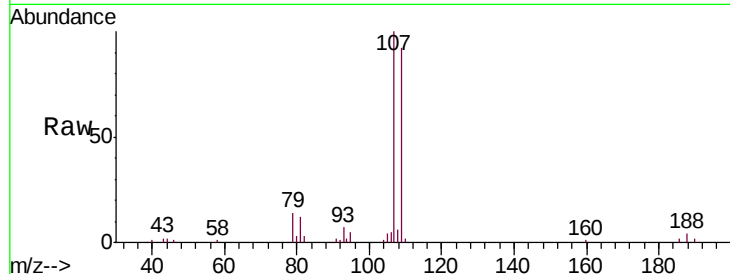




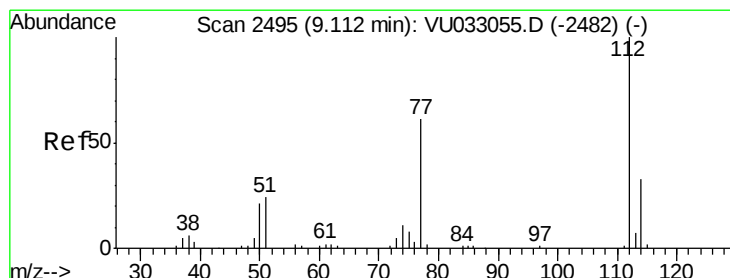
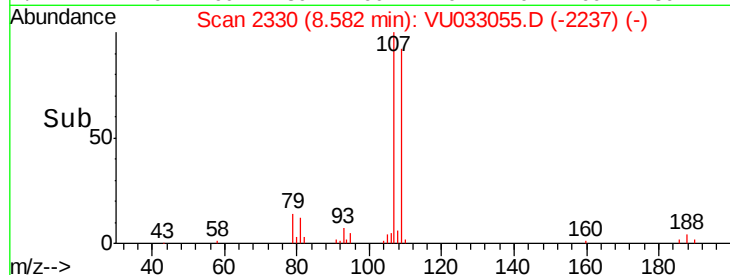
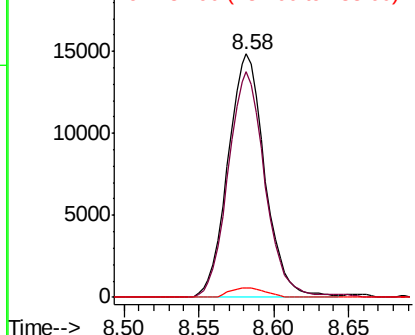
#50
1,2-Dibromoethane
Concen: 5.123 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion:107 Resp: 25501
Ion Ratio Lower Upper
107 100
109 92.4 64.7 120.1
188 3.6 2.9 4.3

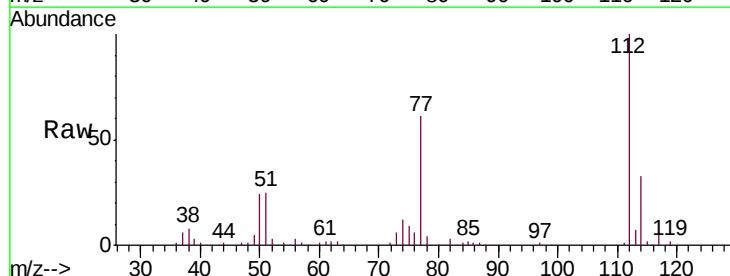


Abundance Ion 106.95 (106.65 to 107.65): V
20000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

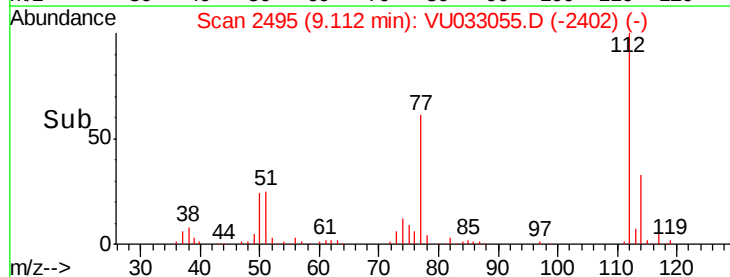
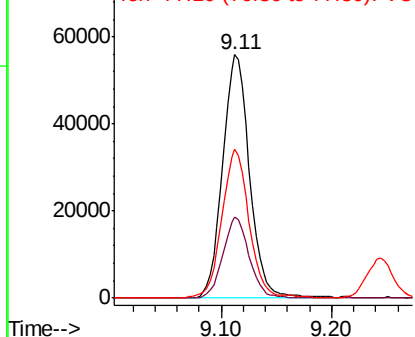


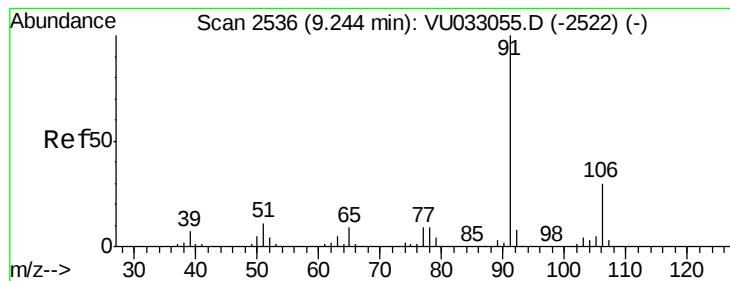
#51
Chlorobenzene
Concen: 4.952 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion:112 Resp: 94865
Ion Ratio Lower Upper
112 100
114 33.3 23.3 43.3
77 61.1 48.9 73.3



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





#52

Ethylbenzene

Concen: 5.024 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

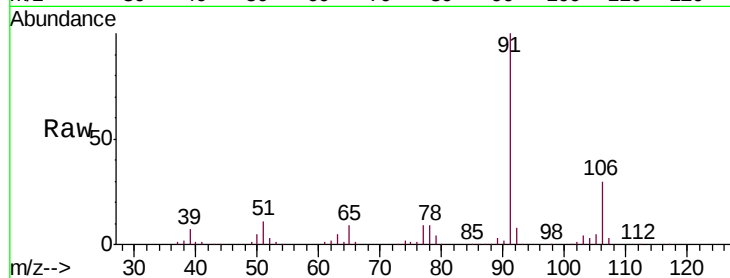
VSTD00503

Tgt Ion: 91 Resp: 160405

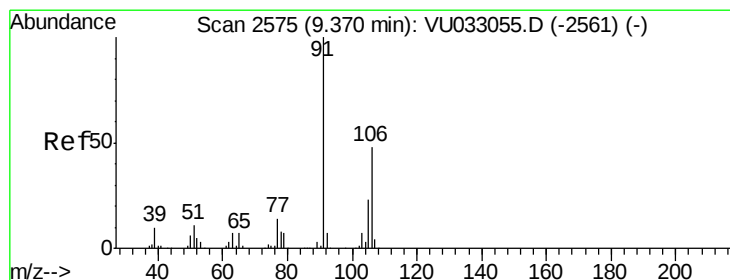
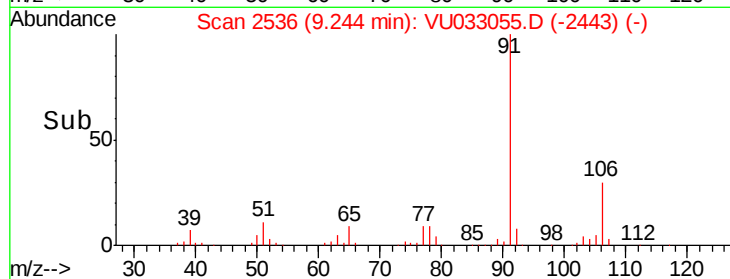
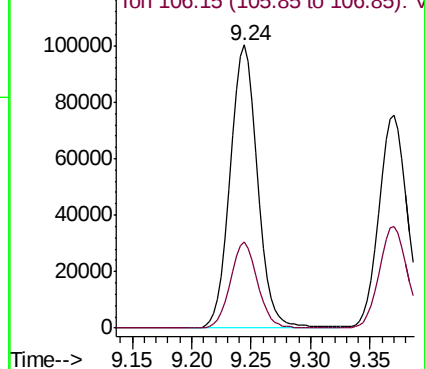
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU033055.D (-2522) (-)



#53

m,p-Xylene

Concen: 5.157 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033055.D

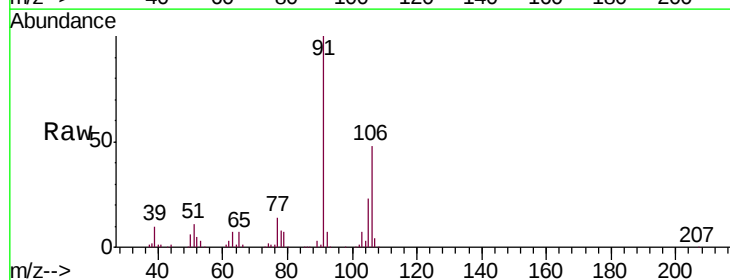
Acq: 27 Jun 2019 10:29

Tgt Ion: 106 Resp: 59762

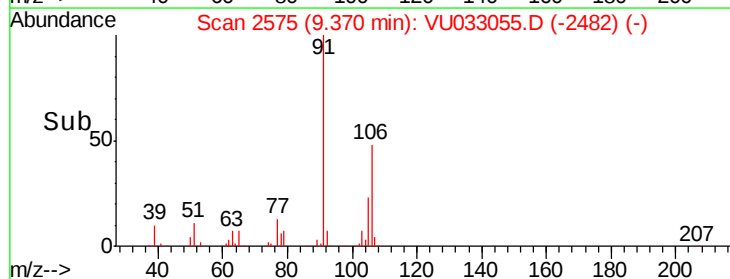
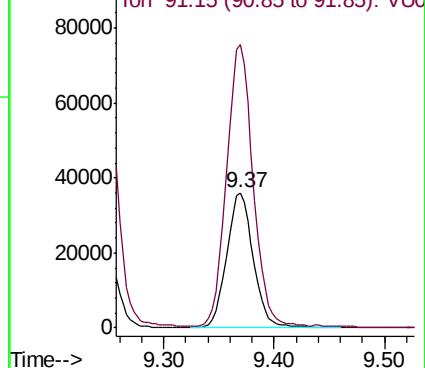
Ion Ratio Lower Upper

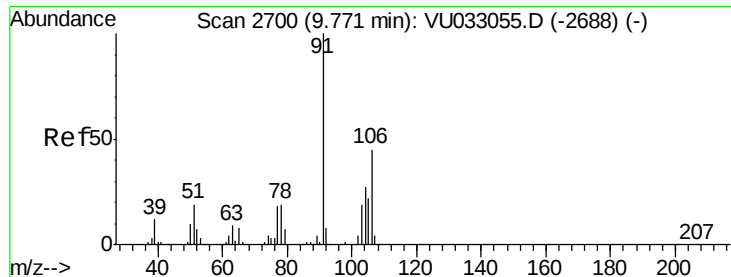
106 100

91 209.2 146.4 272.0



Abundance Ion 106.15 (105.85 to 106.85): VU033055.D (-2561) (-)

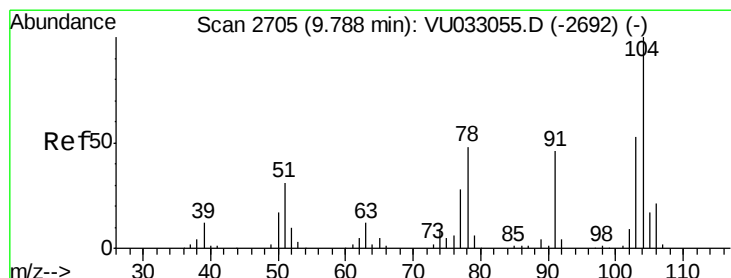
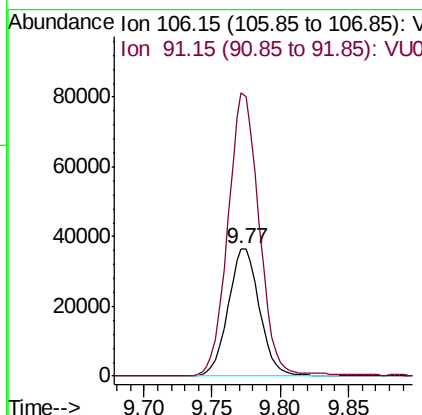
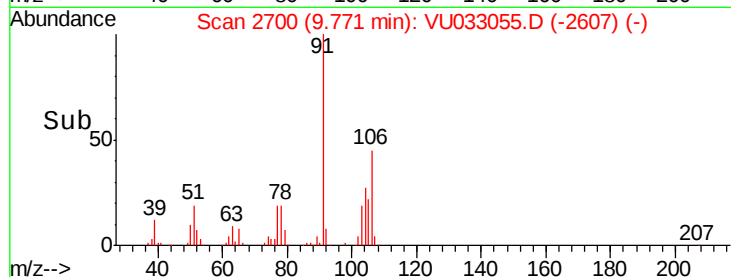
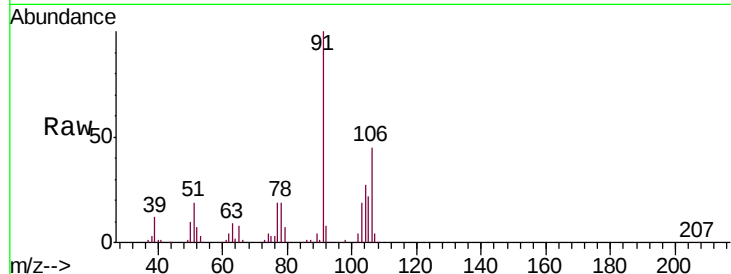




#54
o-Xylene
Concen: 5.178 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

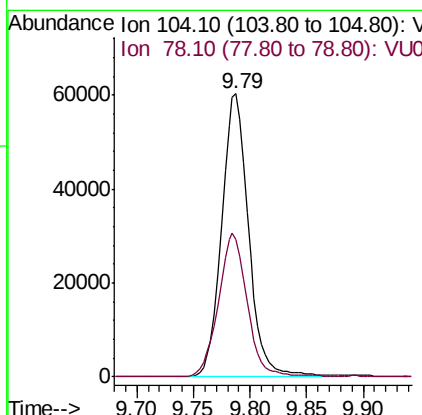
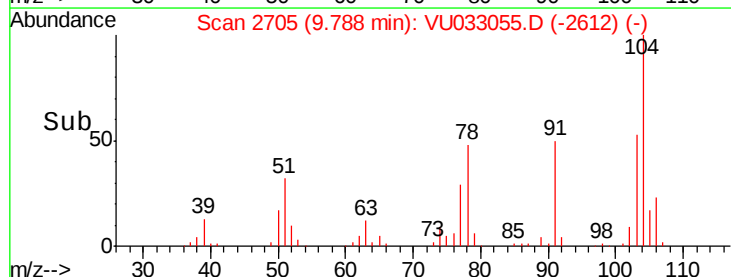
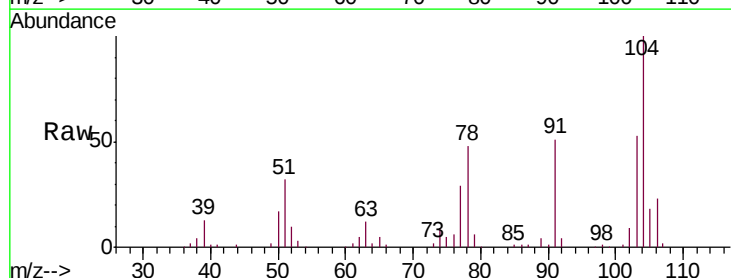
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

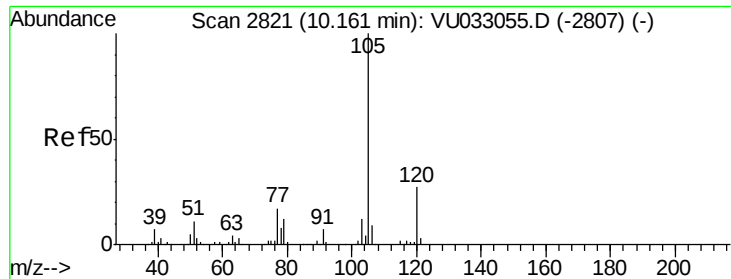
Tgt Ion:106 Resp: 58476
Ion Ratio Lower Upper
106 100
91 221.6 155.1 288.1



#55
Styrene
Concen: 5.240 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU033055.D
Acq: 27 Jun 2019 10:29

Tgt Ion:104 Resp: 100179
Ion Ratio Lower Upper
104 100
78 48.4 33.9 62.9





#56

Isopropylbenzene

Concen: 5.052 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

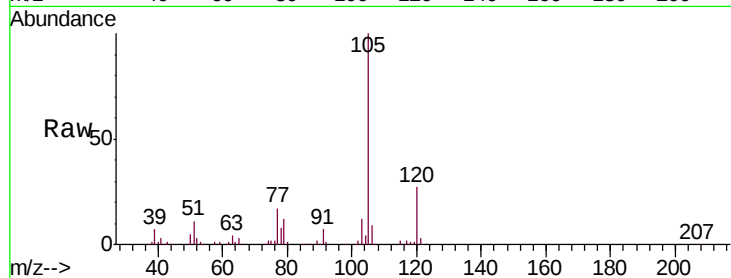
Tgt Ion:105 Resp: 154890

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

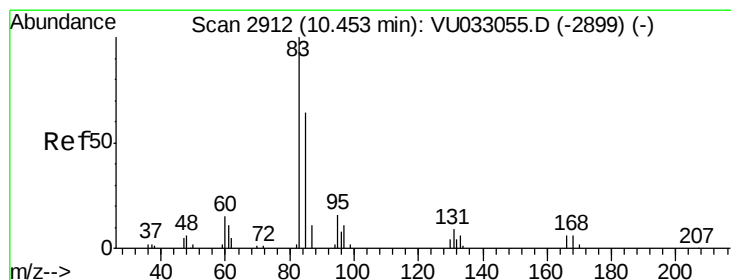
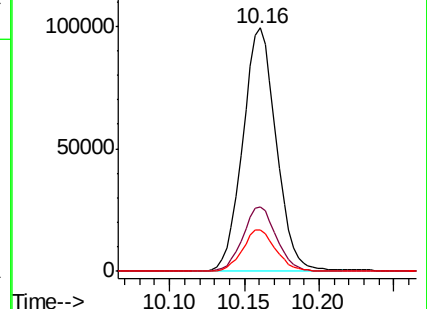
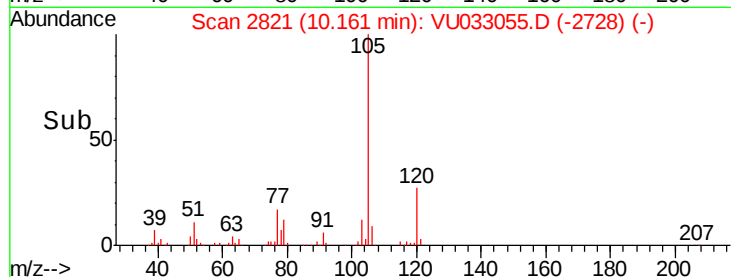
77 17.0 13.6 20.4



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: 5.121 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

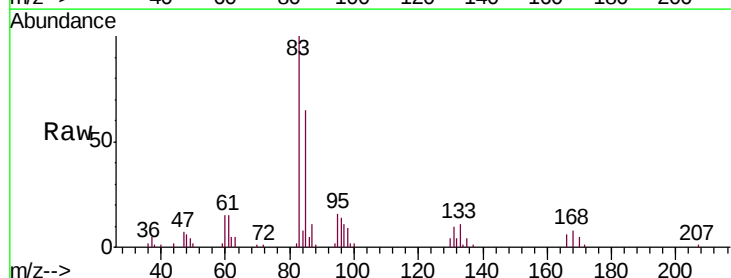
Tgt Ion: 83 Resp: 33915

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9

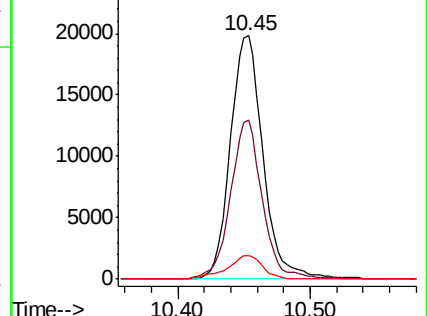
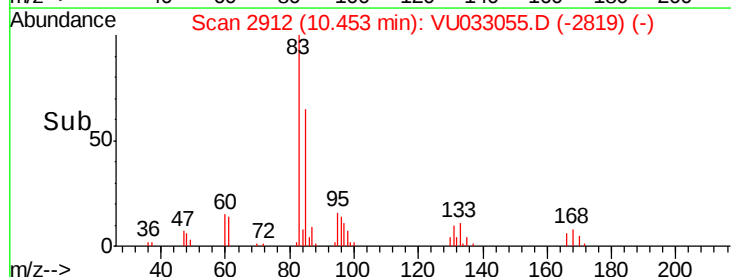
131 9.6 7.7 11.5

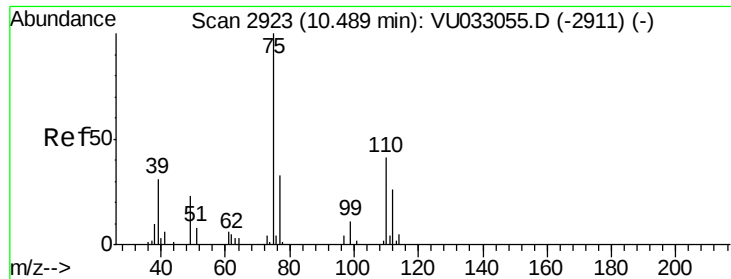


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.141 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

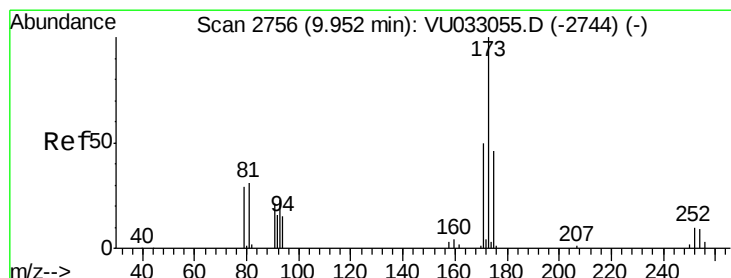
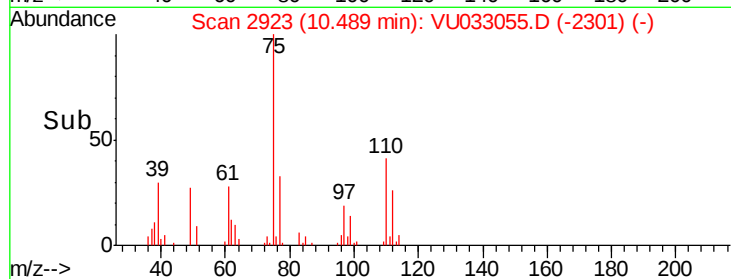
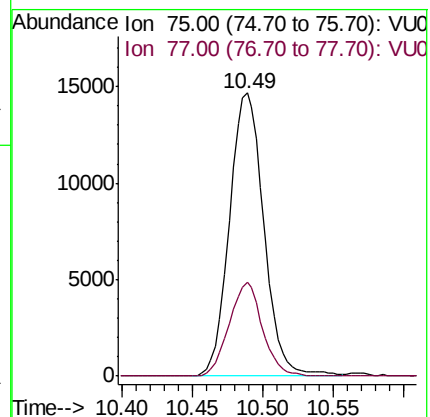
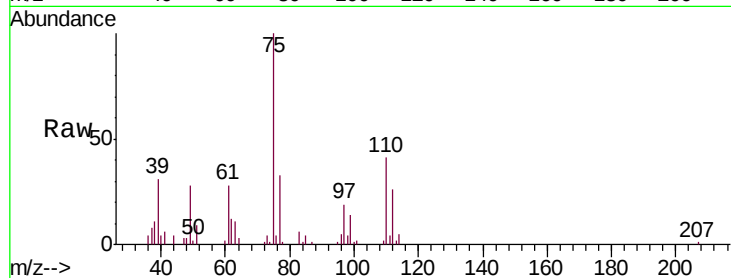
VSTD00503

Tgt Ion: 75 Resp: 25048

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 5.042 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

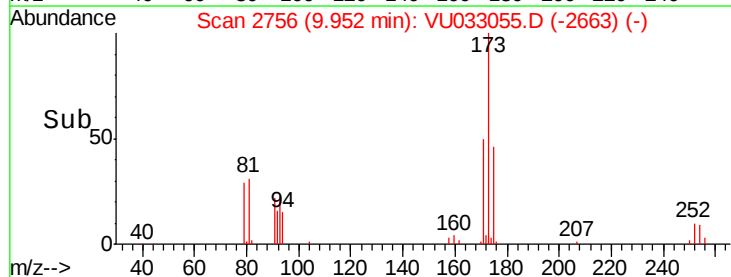
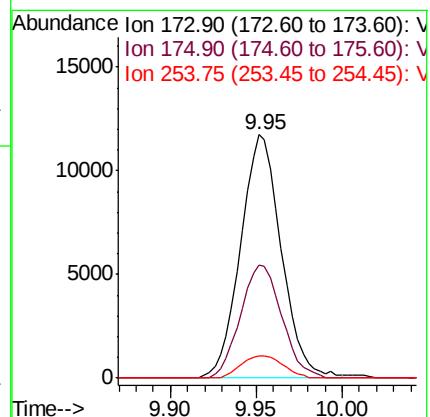
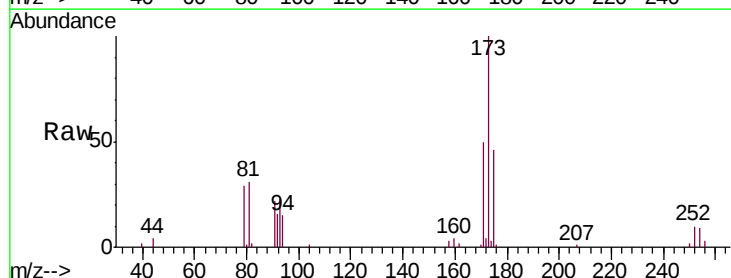
Tgt Ion: 173 Resp: 19253

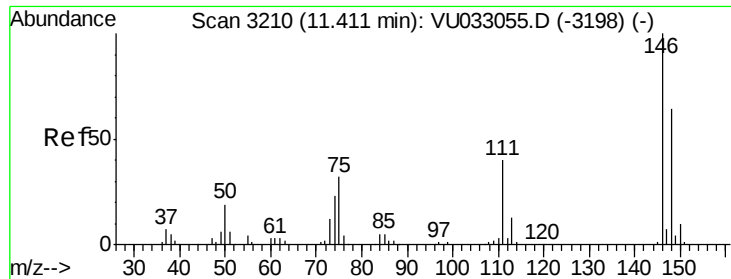
Ion Ratio Lower Upper

173 100

175 47.1 37.7 56.5

254 9.6 7.7 11.5

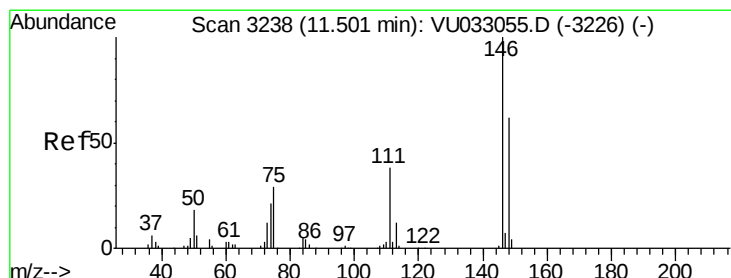
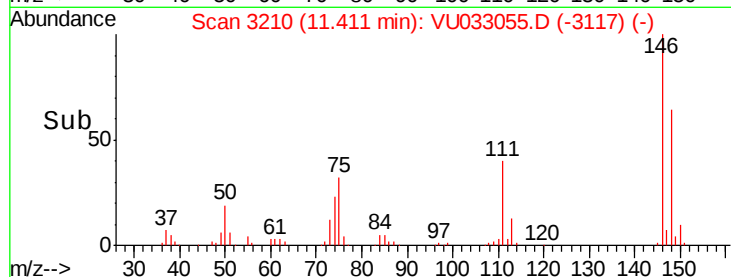
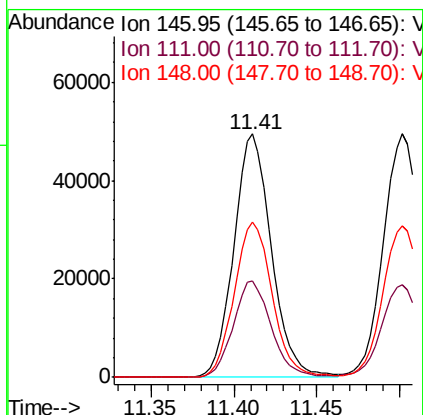
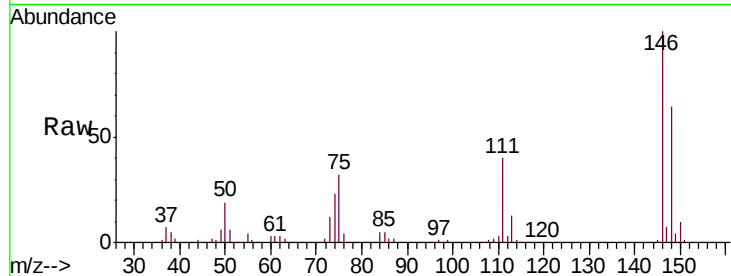




#62
 1,3-Dichlorobenzene
 Concen: 4.971 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

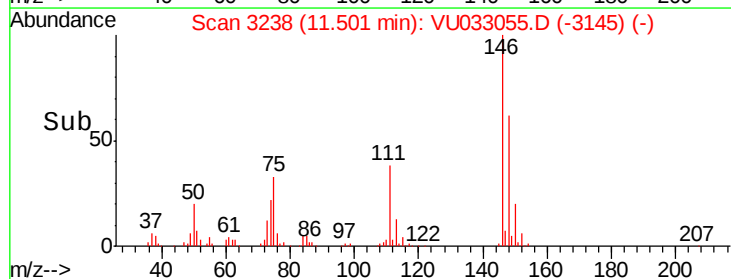
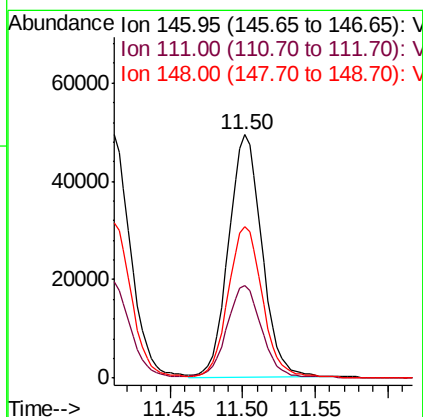
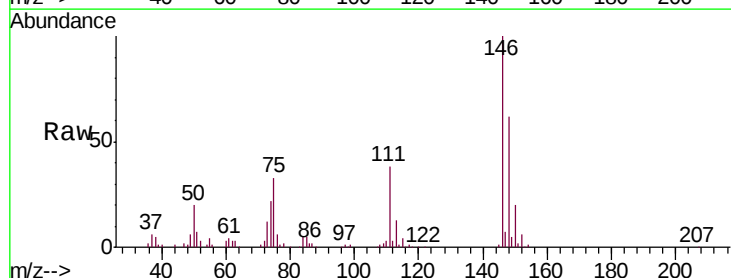
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

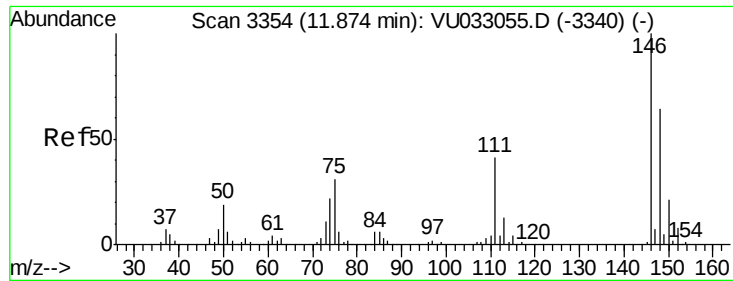
Tgt Ion:146 Resp: 77981
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.7 51.5
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.805 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Tgt Ion:146 Resp: 78647
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 62.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 4.998 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

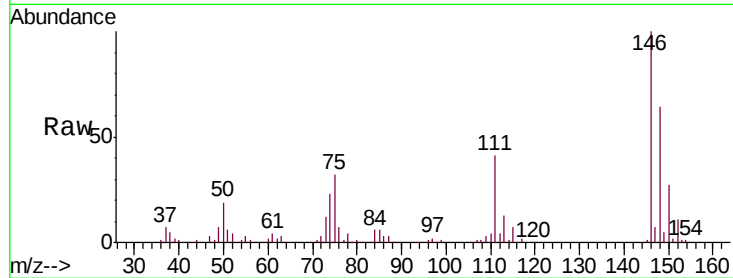
Tgt Ion:146 Resp: 76038

Ion Ratio Lower Upper

146 100

111 41.5 33.2 49.8

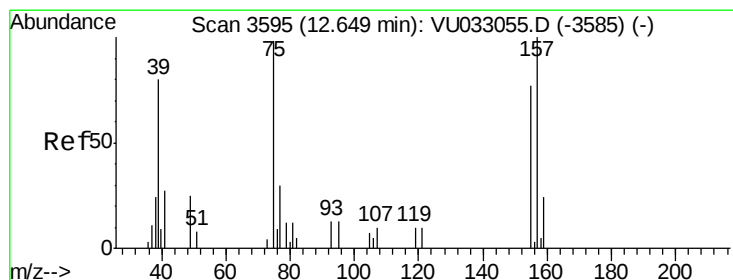
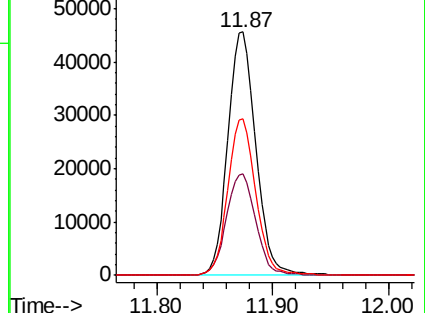
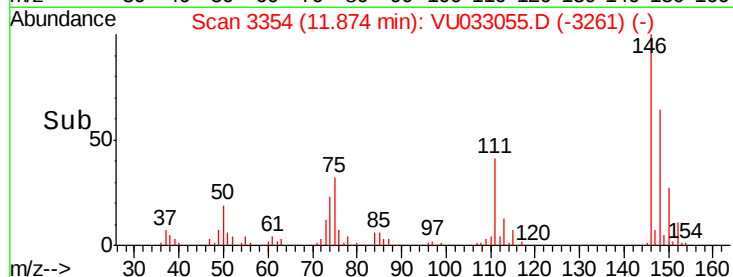
148 64.2 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.357 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

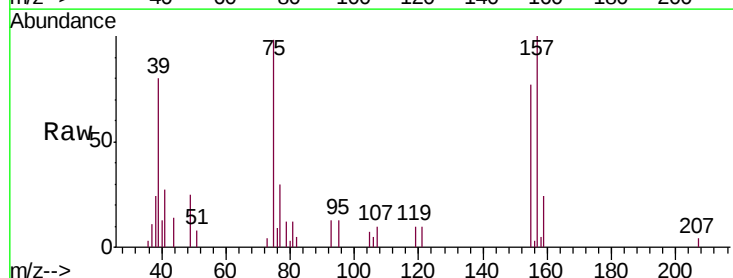
Tgt Ion: 75 Resp: 5605

Ion Ratio Lower Upper

75 100

155 78.6 62.9 94.3

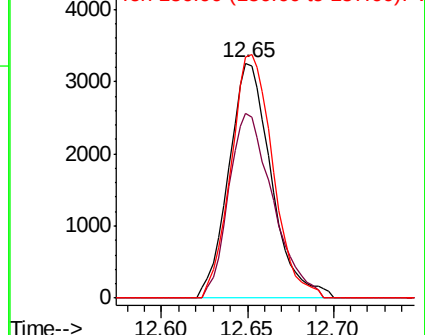
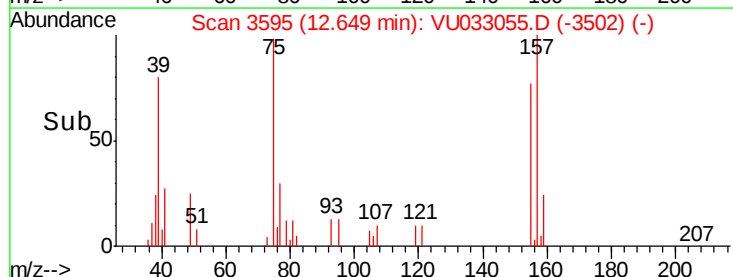
157 102.5 82.0 123.0

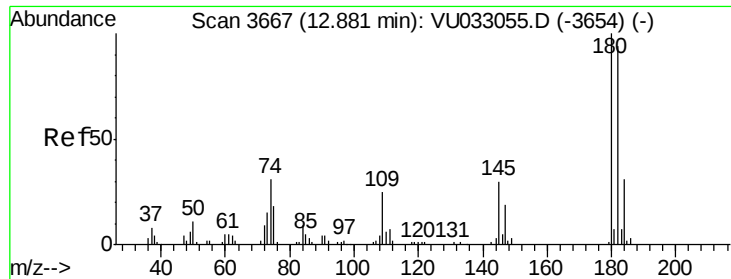


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

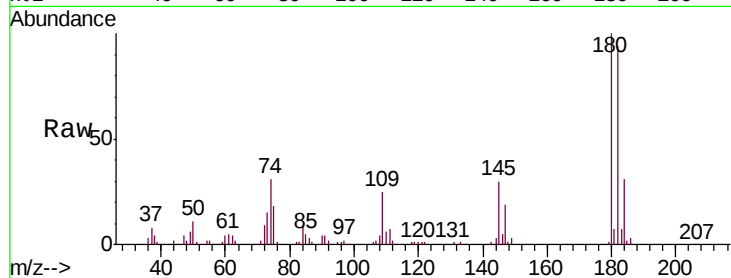




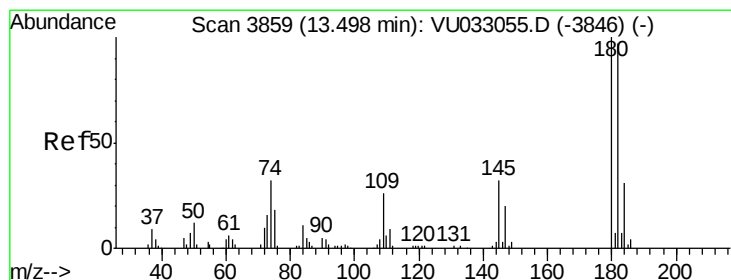
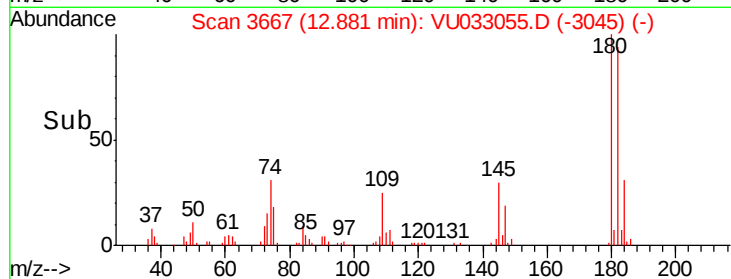
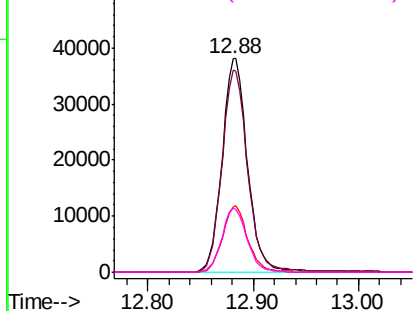
#67
 1,3,5-Trichlorobenzene
 Concen: 5.074 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:180 Resp: 63435
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 184 30.7 24.6 36.8
 145 29.7 23.8 35.6

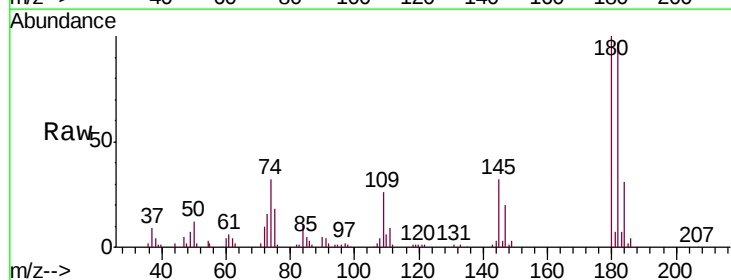


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

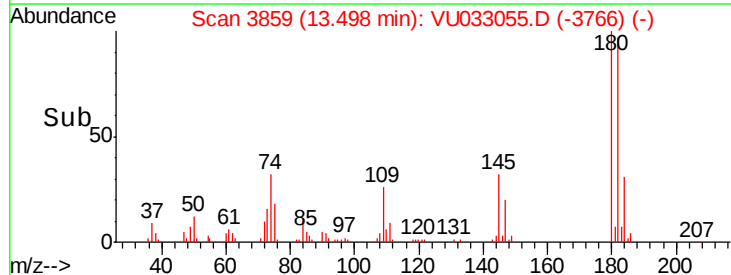
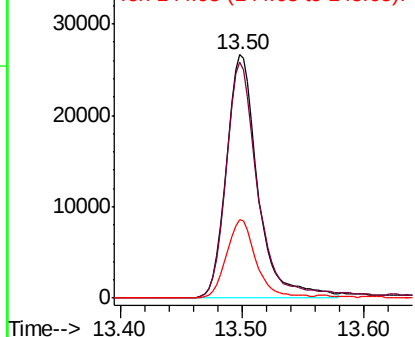


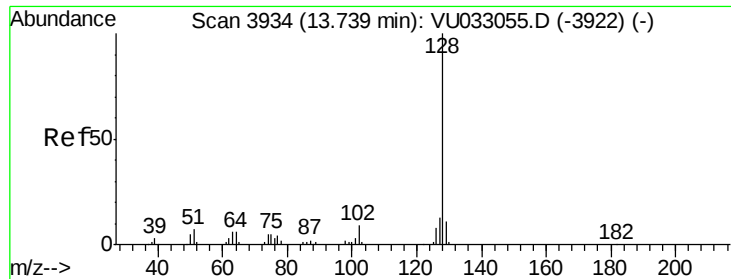
#68
 1,2,4-trichlorobenzene
 Concen: 5.395 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033055.D
 Acq: 27 Jun 2019 10:29

Tgt Ion:180 Resp: 48202
 Ion Ratio Lower Upper
 180 100
 182 98.9 79.1 118.7
 145 30.4 24.3 36.5



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: 5.463 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

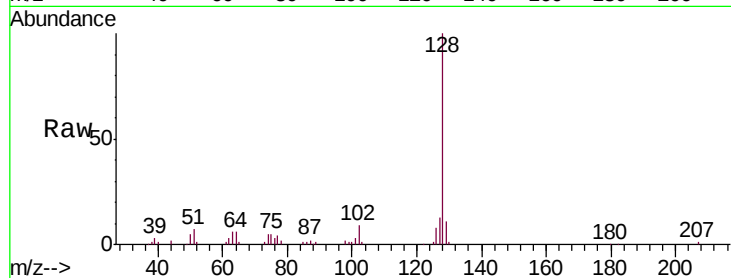
Tgt Ion:128 Resp: 65075

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

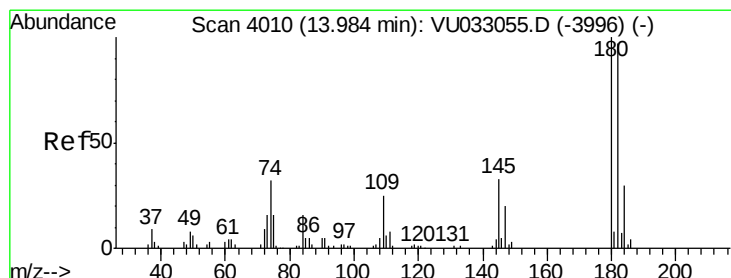
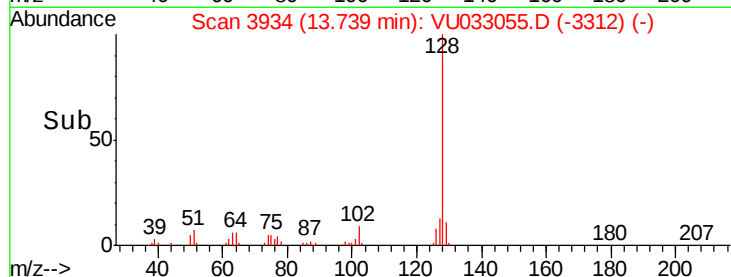
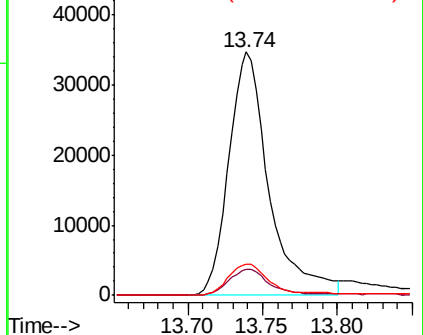
127 13.6 10.9 16.3



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: 5.327 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033055.D

Acq: 27 Jun 2019 10:29

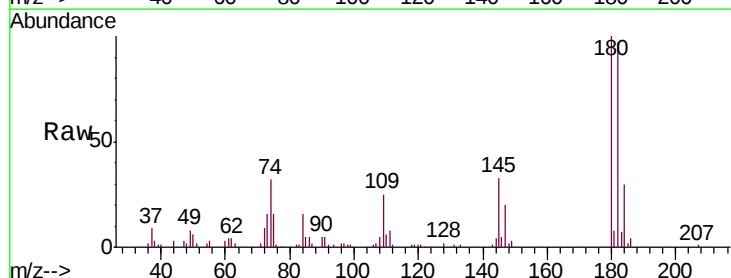
Tgt Ion:180 Resp: 46670

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 32.1 25.7 38.5



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

