

Data File : VU032777.D
Acq On : 17 Jun 2019 13:11
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Jun 18 02:37:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224857	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	216031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74582	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.06%
7) Chloroethane-d5	1.67	69	60596	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.88%
11) 1,1-Dichloroethene-d2	2.27	63	153697	49.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.30%
21) 2-Butanone-d5	4.16	46	124326	97.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	4.64	84	150061	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.30	65	99617	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
32) Benzene-d6	5.33	84	285499	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.32	67	91874	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.42%
41) Toluene-d8	7.56	98	277181	52.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.12%
43) trans-1,3-Dichloropropene-	7.84	79	48605	52.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.16%
47) 2-Hexanone-d5	8.31	63	84478	100.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.85%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	136833	49.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	113765	50.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	112372	49.474 ug/L	99
3) Chloromethane	1.32	50	99153	48.165 ug/L	100
5) Vinyl chloride	1.40	62	99812	48.882 ug/L	99
6) Bromomethane	1.62	94	59107	49.193 ug/L	99
8) Chloroethane	1.69	64	56008	47.651 ug/L	99
9) Trichlorofluoromethane	1.88	101	138009	48.176 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	74070	49.295 ug/L	99
12) 1,1-Dichloroethene	2.28	96	68784	48.576 ug/L	94
13) Acetone	2.31	43	130509	73.874 ug/L	98
14) Carbon disulfide	2.47	76	215120	48.012 ug/L	99
15) Methyl Acetate	2.61	43	94215	47.047 ug/L	99
16) Methylene chloride	2.69	84	79416	47.796 ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	73809	48.067 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	241444	48.974 ug/L	99
19) 1,1-Dichloroethane	3.44	63	142038	48.520 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	83176	49.723 ug/L	98
22) 2-Butanone	4.25	43	153052	83.586 ug/L	100

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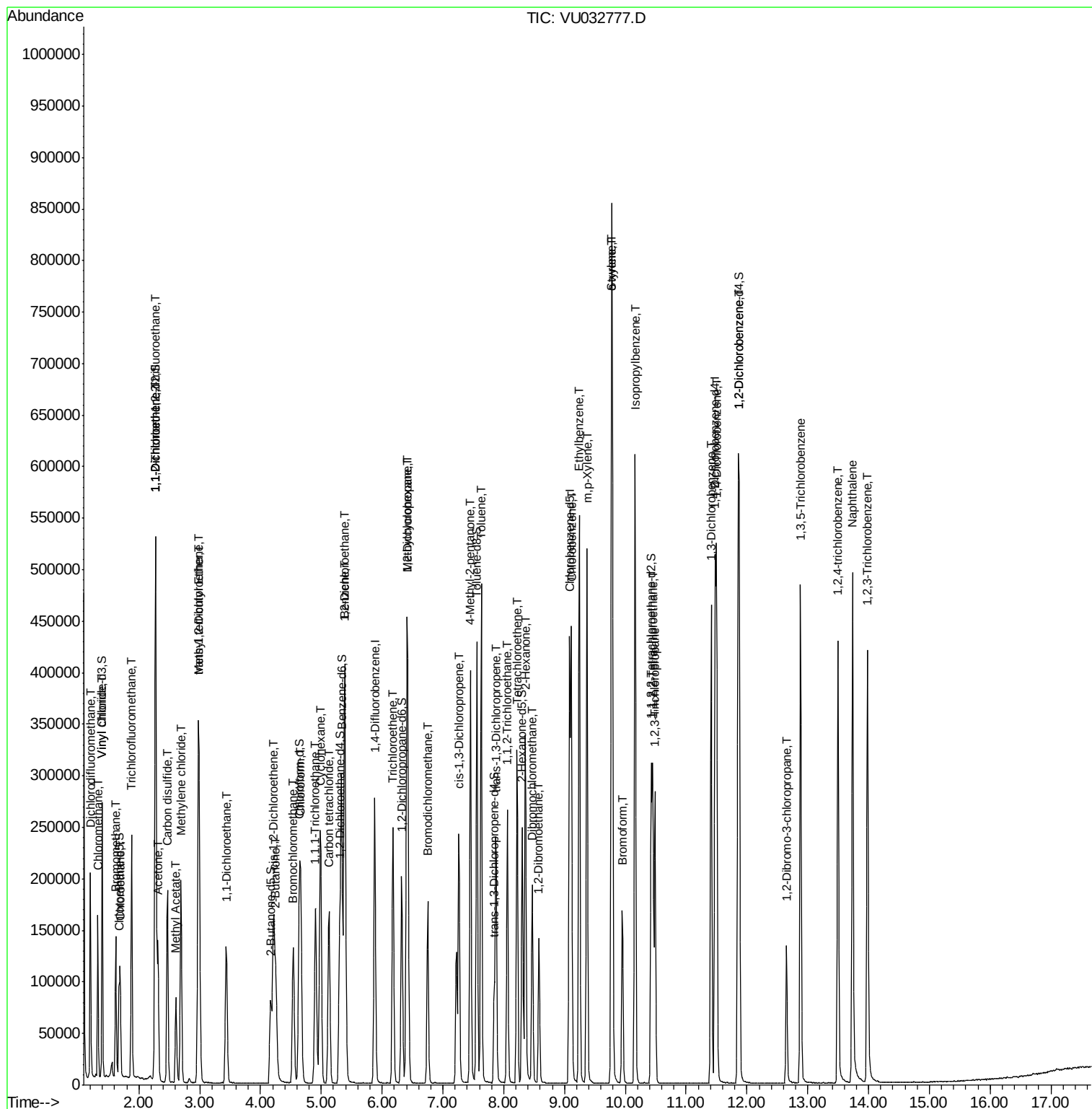
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	42419	48.609	ug/L	99
25) Chloroform	4.66	83	144968	48.020	ug/L	97
27) 1,2-Dichloroethane	5.40	62	122691	49.471	ug/L	100
29) Cyclohexane	4.99	56	128194	50.821	ug/L	99
30) 1,1,1-Trichloroethane	4.90	97	128397	48.784	ug/L	99
31) Carbon tetrachloride	5.13	117	117558	49.089	ug/L	99
33) Benzene	5.38	78	307396	49.394	ug/L	100
34) Trichloroethene	6.18	95	81957	49.289	ug/L	99
35) Methylcyclohexane	6.41	83	132859	51.692	ug/L	99
37) 1,2-Dichloropropane	6.42	63	83435	48.875	ug/L	100
38) Bromodichloromethane	6.75	83	111489	48.570	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	133015	50.013	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	261293	95.872	ug/L	100
42) Toluene	7.63	91	334006	49.605	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	124198	49.718	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	77811	48.971	ug/L	99
46) Tetrachloroethene	8.22	164	68760	50.466	ug/L	98
48) 2-Hexanone	8.36	43	215896	89.782	ug/L	100
49) Dibromochloromethane	8.47	129	91976	48.017	ug/L	95
50) 1,2-Dibromoethane	8.58	107	87093	49.357	ug/L	99
51) Chlorobenzene	9.11	112	215728	48.688	ug/L	98
52) Ethylbenzene	9.24	91	375730	50.412	ug/L	99
53) m,p-Xylene	9.37	106	141454	50.303	ug/L	100
54) o-xylene	9.77	106	137651	50.125	ug/L	99
55) Styrene	9.78	104	240374	50.456	ug/L	97
56) Isopropylbenzene	10.16	105	374912	50.659	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	137341	47.769	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	108237	47.510	ug/L	99
61) Bromoform	9.95	173	72534	47.373	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	180377	49.489	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	183075	48.631	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	182058	48.920	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	33774	47.569	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	147710	50.438	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	134470	53.362	ug/L	99
69) Naphthalene	13.74	128	410071	52.927	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	138561	51.941	ug/L	99

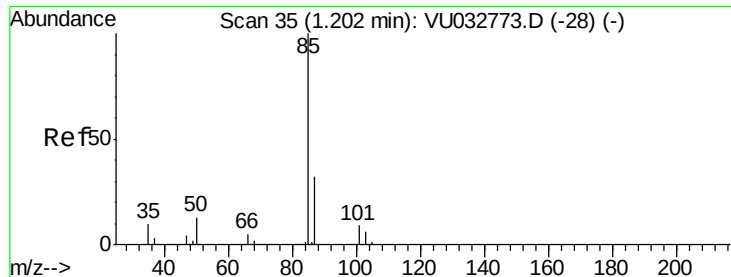
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.474 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

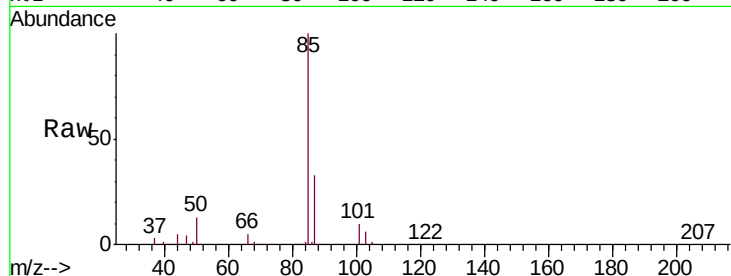
VSTD05051

Tgt Ion: 85 Resp: 112372

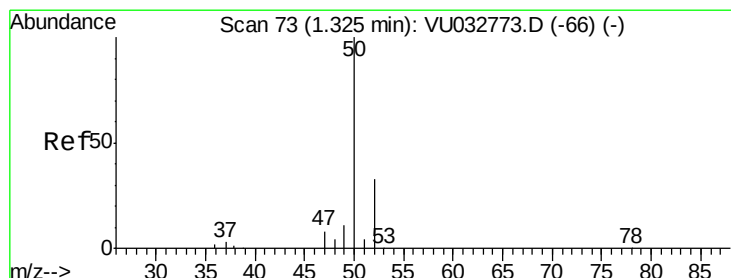
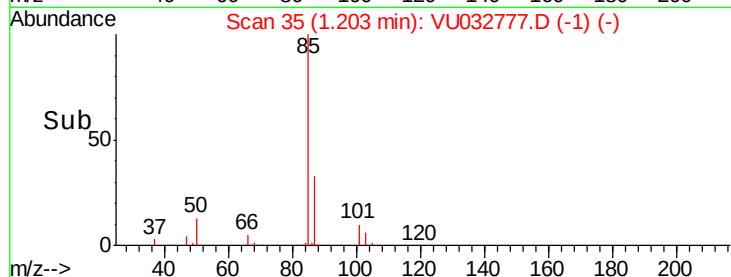
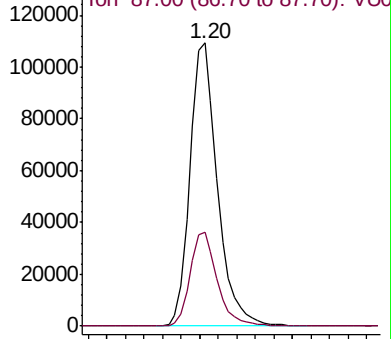
Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032777.D (-1) (-)



#3

Chloromethane

Concen: 48.165 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032777.D

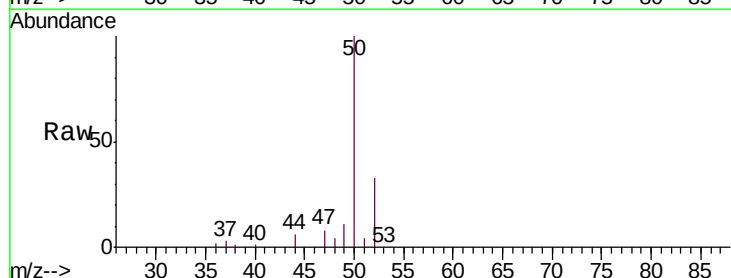
Acq: 17 Jun 2019 13:11

Tgt Ion: 50 Resp: 99153

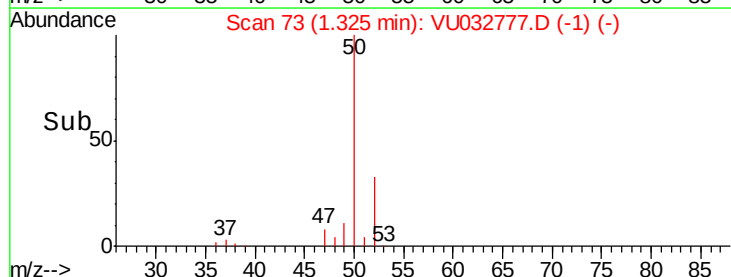
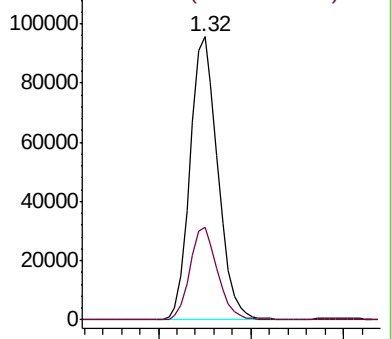
Ion Ratio Lower Upper

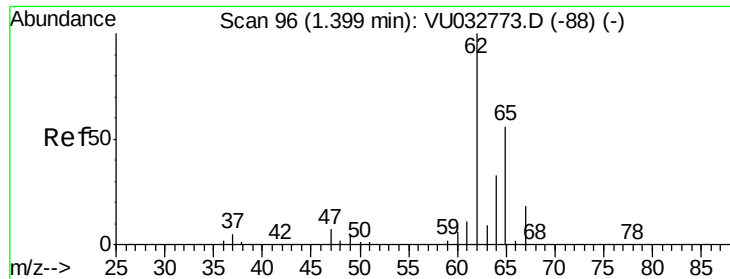
50 100

52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032777.D (-1) (-)





#5

Vinyl chloride

Concen: 48.882 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

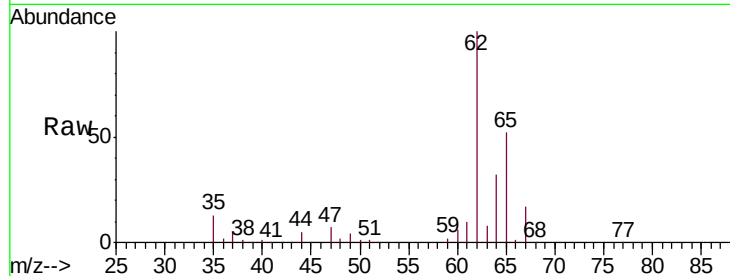
VSTD05051

Tgt Ion: 62 Resp: 99812

Ion Ratio Lower Upper

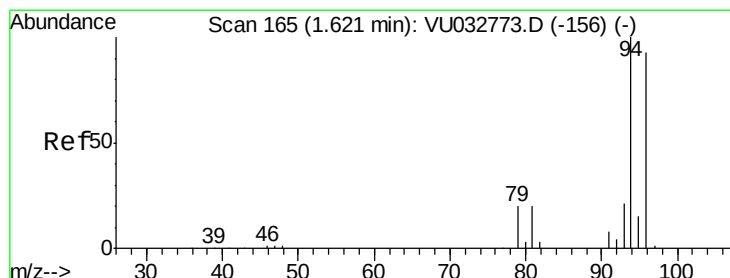
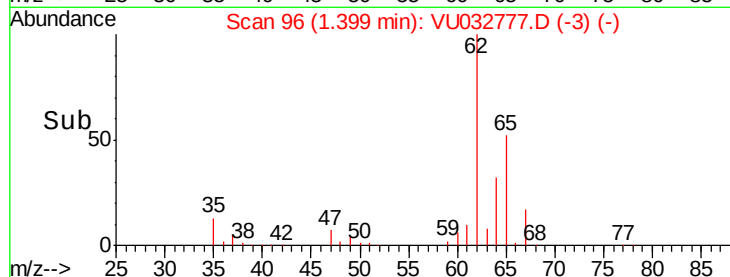
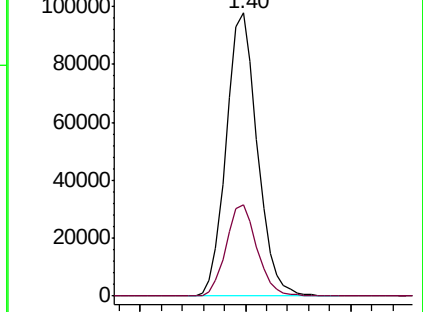
62 100

64 32.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032777.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032777.D (-88) (-)



#6

Bromomethane

Concen: 49.193 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032777.D

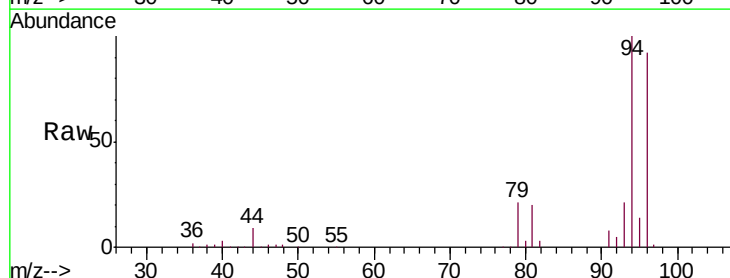
Acq: 17 Jun 2019 13:11

Tgt Ion: 94 Resp: 59107

Ion Ratio Lower Upper

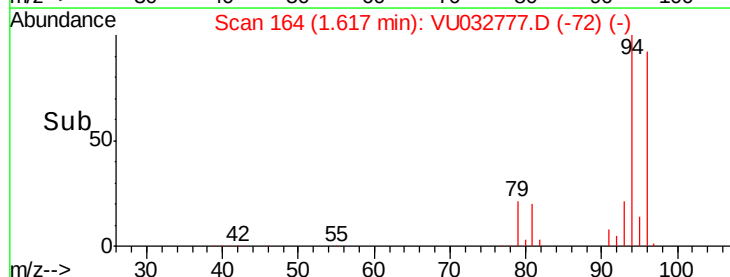
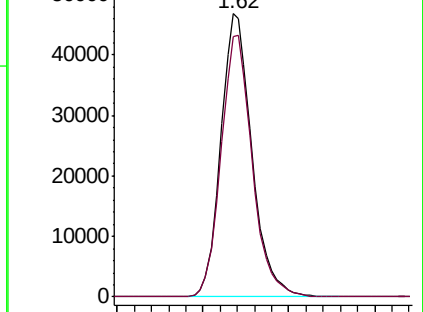
94 100

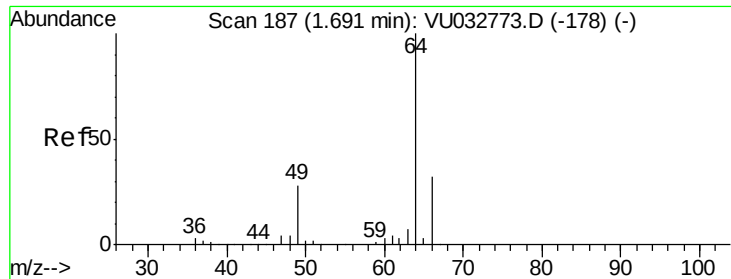
96 92.1 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU032777.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032777.D (-156) (-)





#8

Chloroethane

Concen: 47.651 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

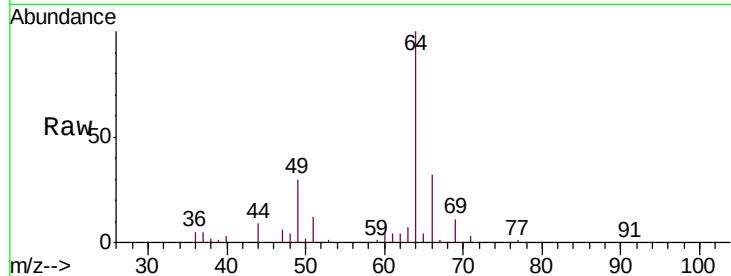
VSTD05051

Tgt Ion: 64 Resp: 56008

Ion Ratio Lower Upper

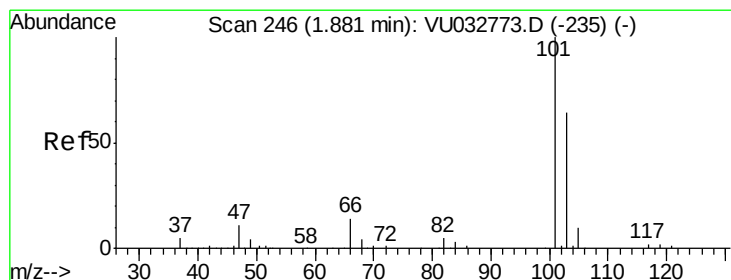
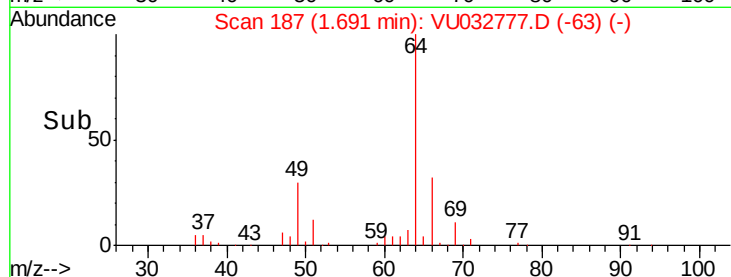
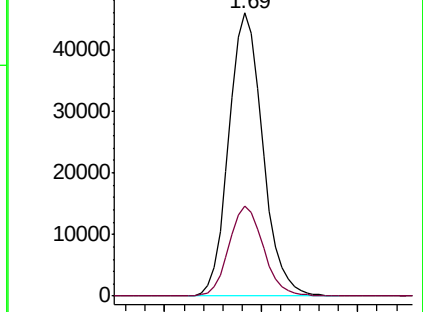
64 100

66 31.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU032777.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032777.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.176 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032777.D

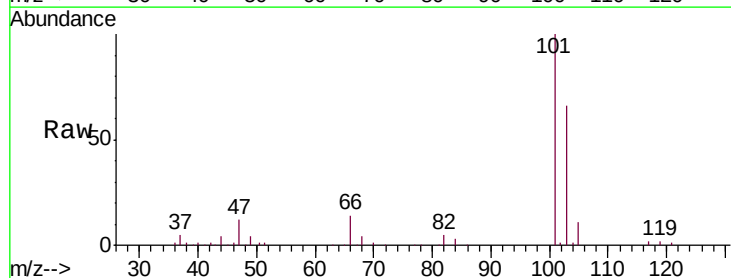
Acq: 17 Jun 2019 13:11

Tgt Ion: 101 Resp: 138009

Ion Ratio Lower Upper

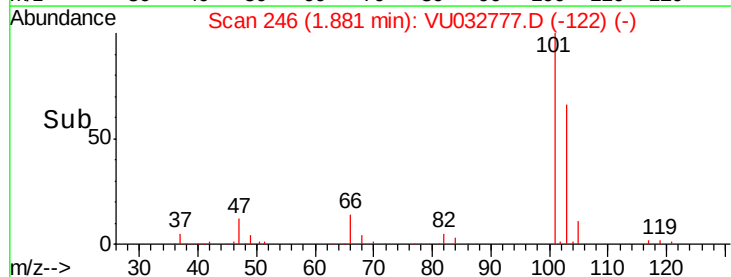
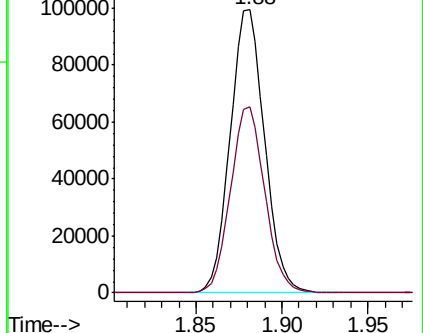
101 100

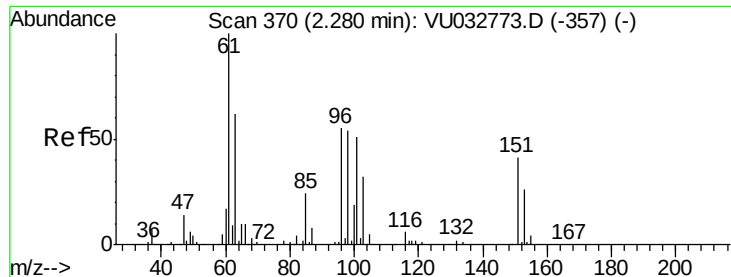
103 65.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032777.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032777.D (-235) (-)





#10

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

Concen: 49.295 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032777.D

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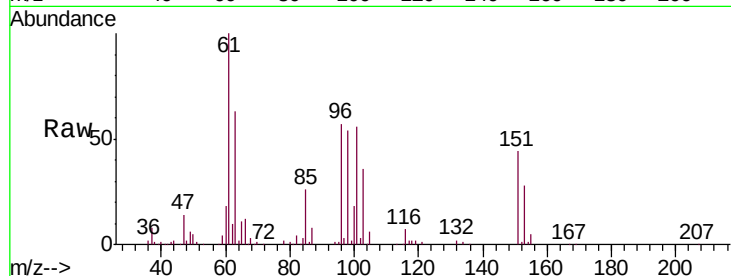
Tgt Ion:101 Resp: 74070

Ion Ratio Lower Upper

101 100

85 46.5 36.8 55.2

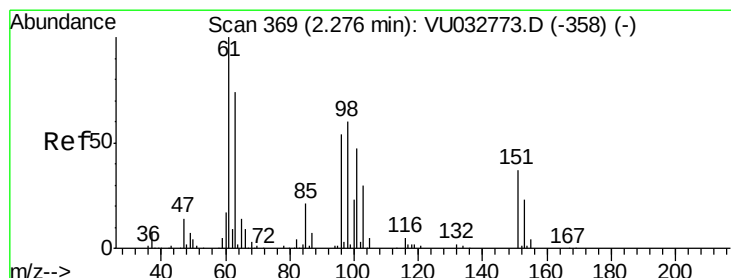
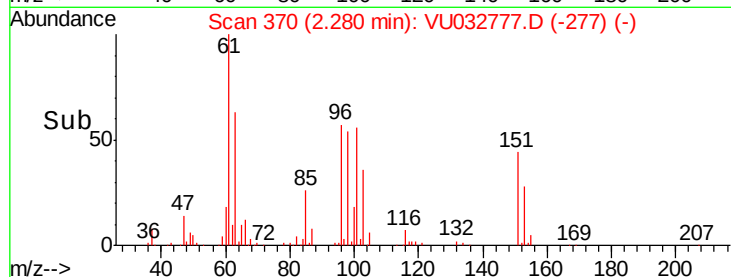
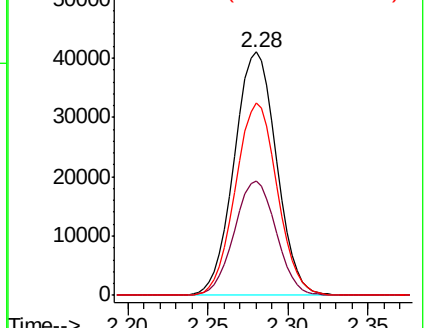
151 78.3 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): VU032777.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU032777.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU032777.D (-277) (-)



#12

1,1-Dichloroethene

Concen: 48.576 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

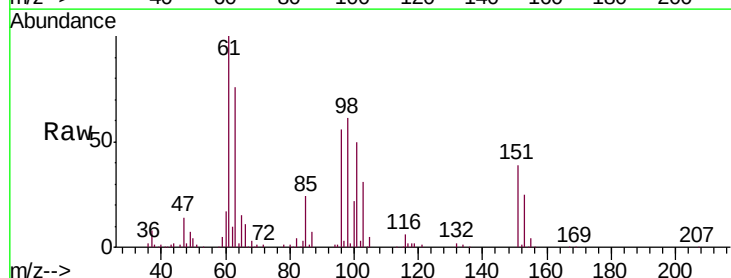
Tgt Ion: 96 Resp: 68784

Ion Ratio Lower Upper

96 100

61 178.8 131.0 243.4

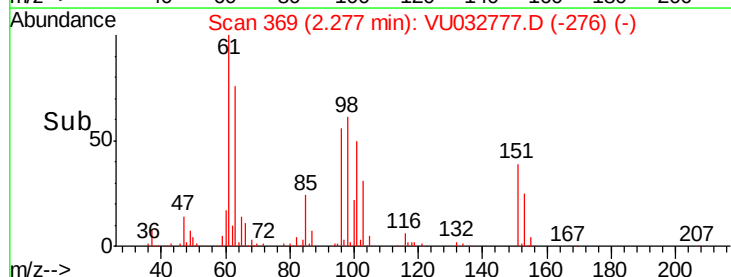
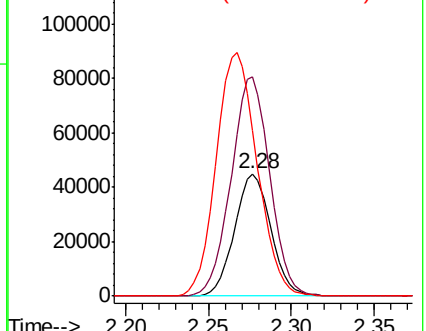
63 135.2 101.0 187.6

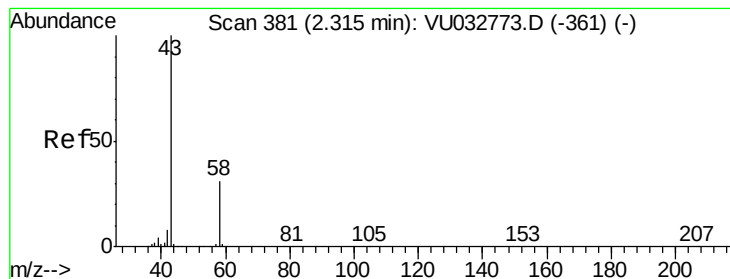


Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032777.D (-276) (-)





#13

Acetone

Concen: 73.874 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

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MSVOA_U

ClientSampleId :

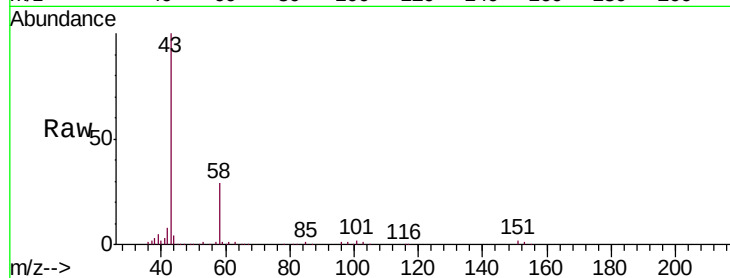
VSTD05051

Tgt Ion: 43 Resp: 130509

Ion Ratio Lower Upper

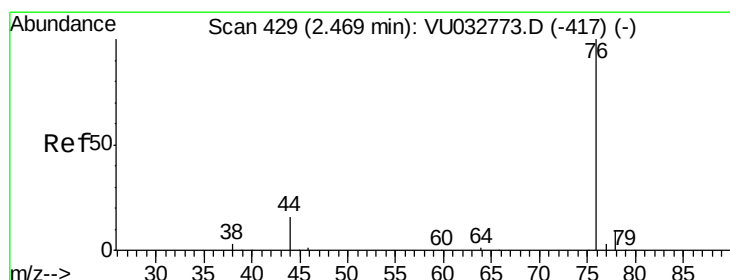
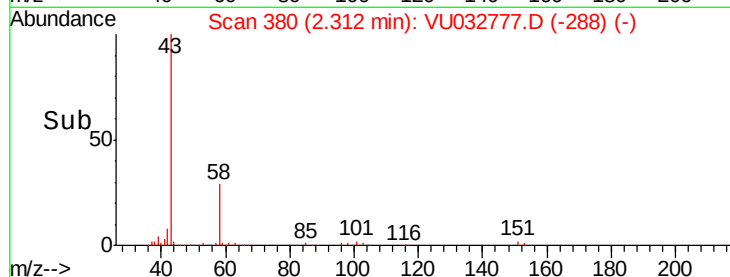
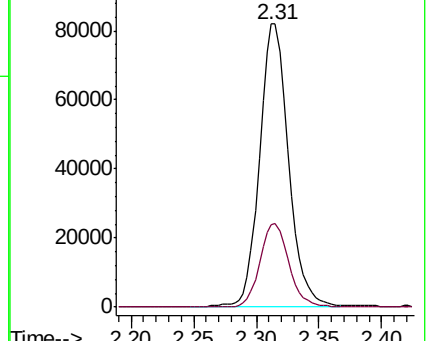
43 100

58 29.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032777.D (-361) (-)



#14

Carbon disulfide

Concen: 48.012 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032777.D

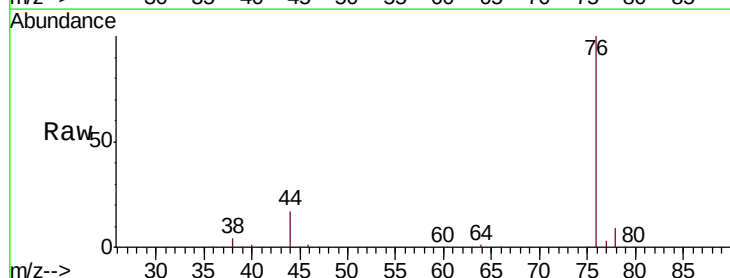
Acq: 17 Jun 2019 13:11

Tgt Ion: 76 Resp: 215120

Ion Ratio Lower Upper

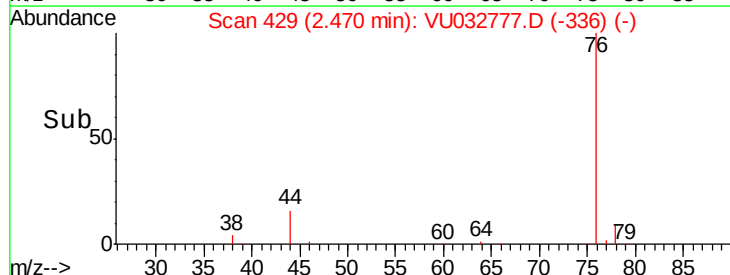
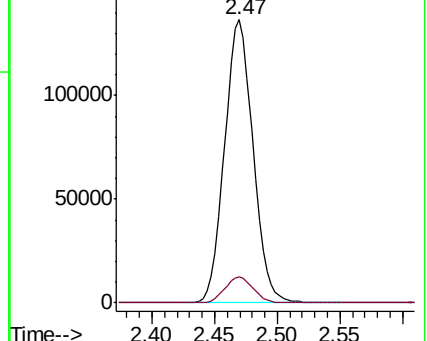
76 100

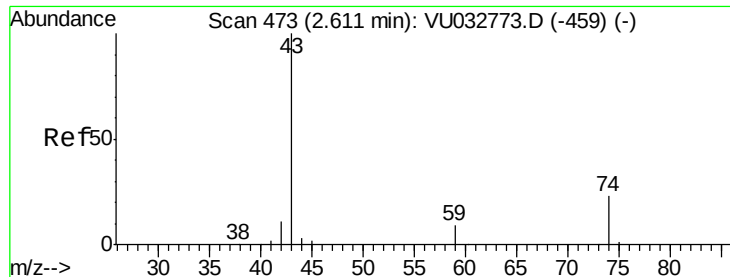
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032777.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032777.D (-417) (-)

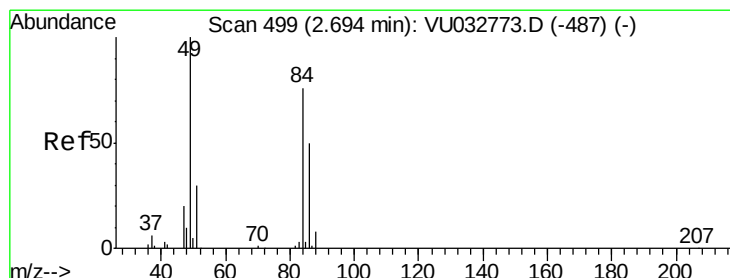
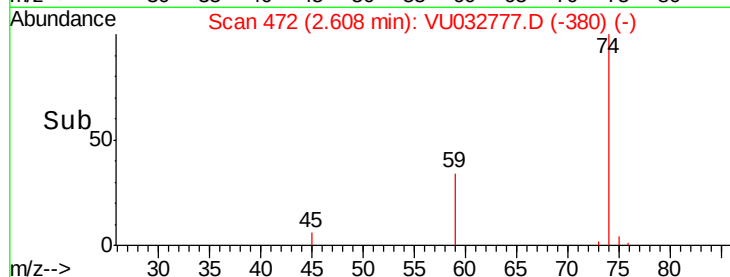
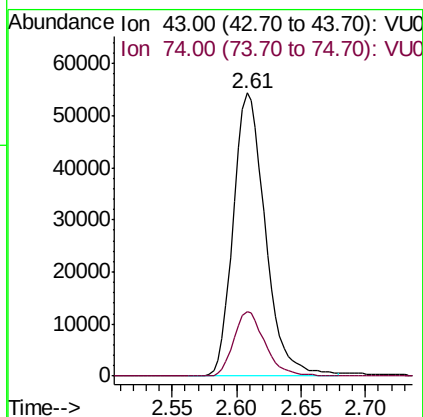
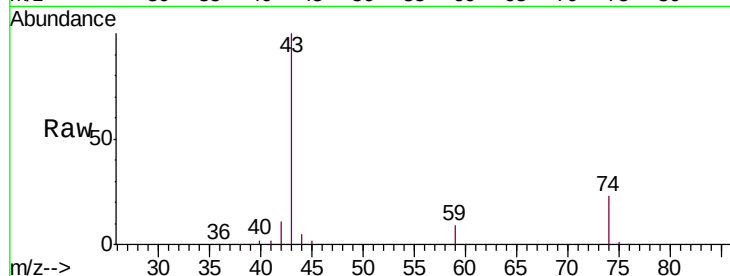




#15
Methyl Acetate
Concen: 47.047 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

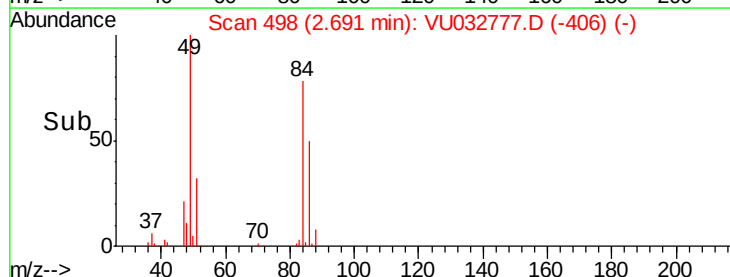
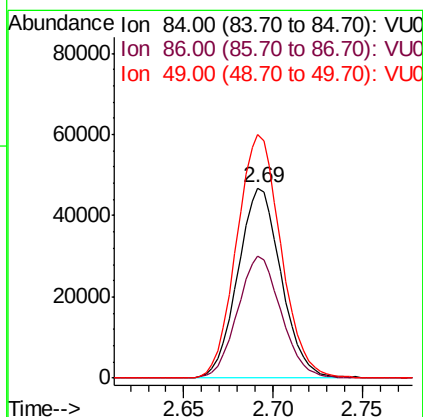
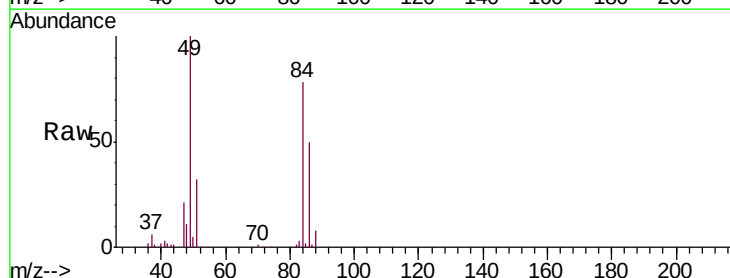
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

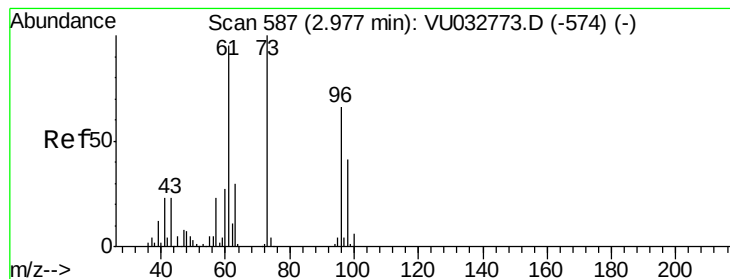
Tgt Ion: 43 Resp: 94215
Ion Ratio Lower Upper
43 100
74 22.2 18.1 27.1



#16
Methylene chloride
Concen: 47.796 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion: 84 Resp: 79416
Ion Ratio Lower Upper
84 100
86 64.0 45.5 84.5
49 128.1 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 48.067 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

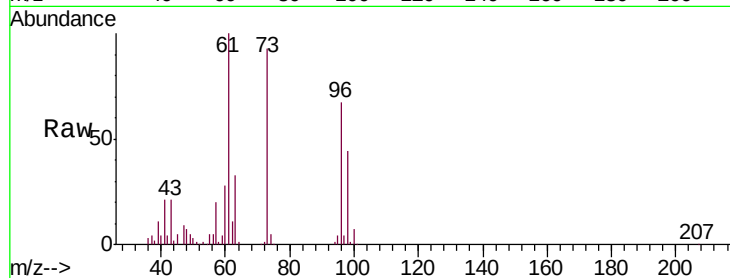
Tgt Ion: 96 Resp: 73809

Ion Ratio Lower Upper

96 100

61 149.2 100.9 187.5

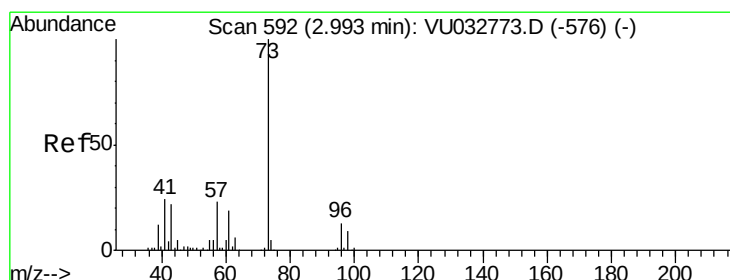
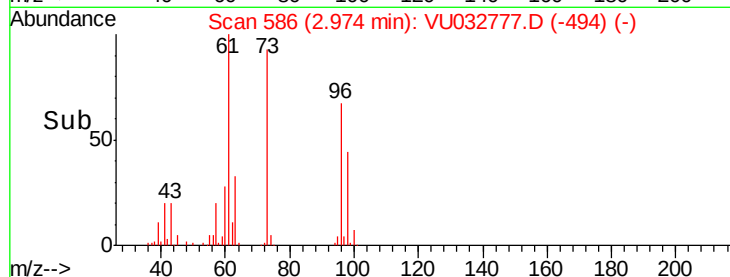
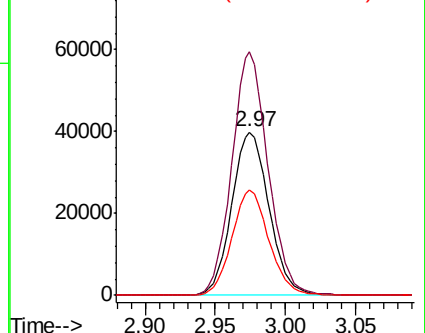
98 64.9 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032777.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032777.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032777.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 48.974 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

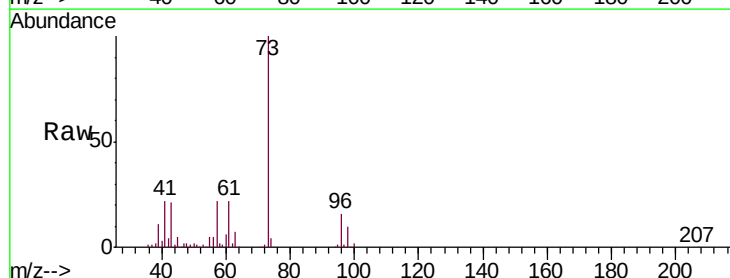
Tgt Ion: 73 Resp: 241444

Ion Ratio Lower Upper

73 100

43 21.9 17.8 26.8

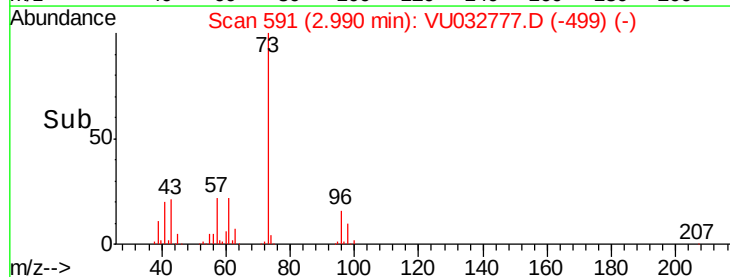
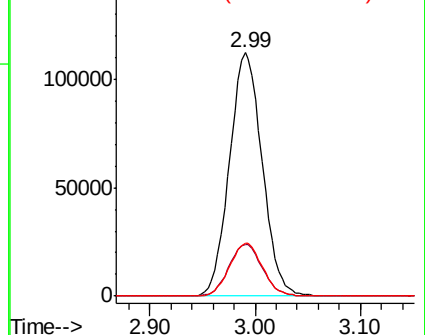
57 21.9 17.8 26.6

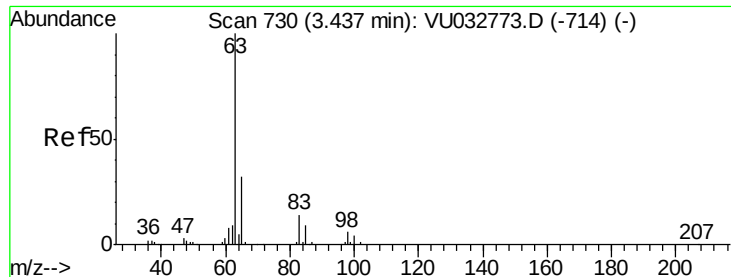


Abundance Ion 73.00 (72.70 to 73.70): VU032777.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU032777.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU032777.D (-499) (-)

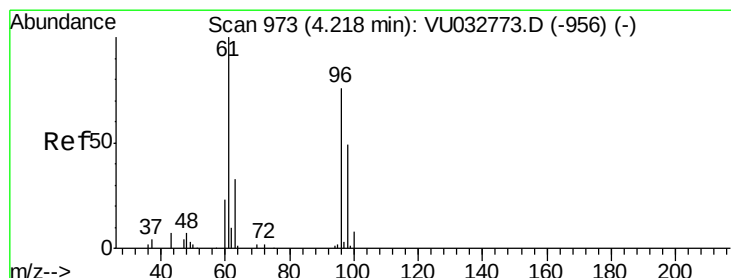
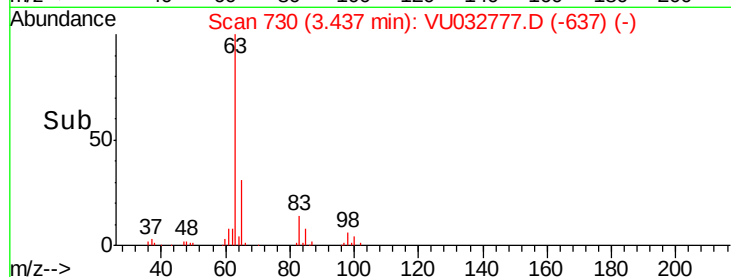
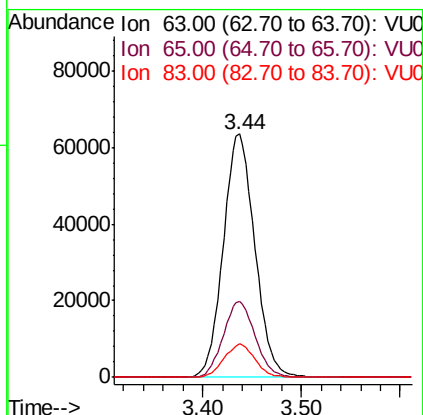
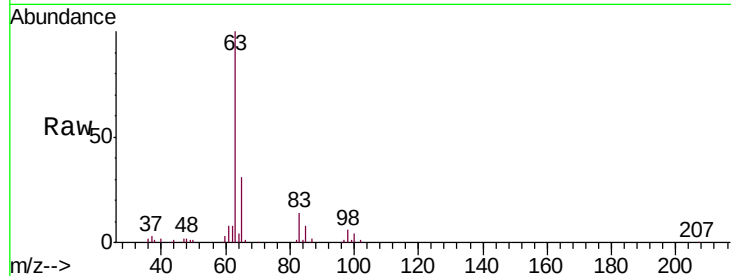




#19
 1,1-Dichloroethane
 Concen: 48.520 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

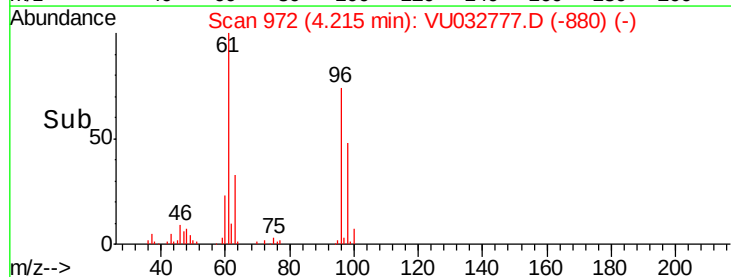
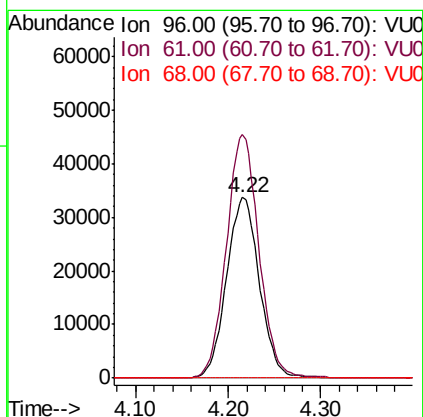
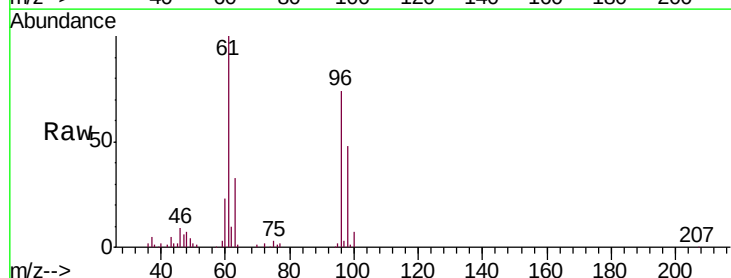
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

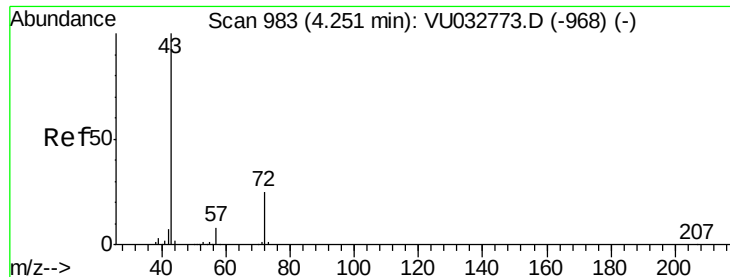
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.0	41.0
83	13.7	9.5	17.7



#20
 cis-1,2-Dichloroethene
 Concen: 49.723 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.7	92.4	171.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 83.586 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

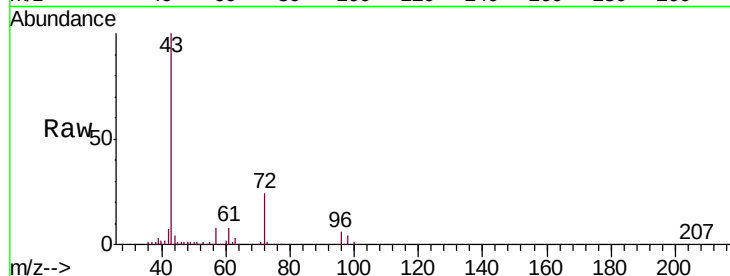
VSTD05051

Tgt Ion: 43 Resp: 153052

Ion Ratio Lower Upper

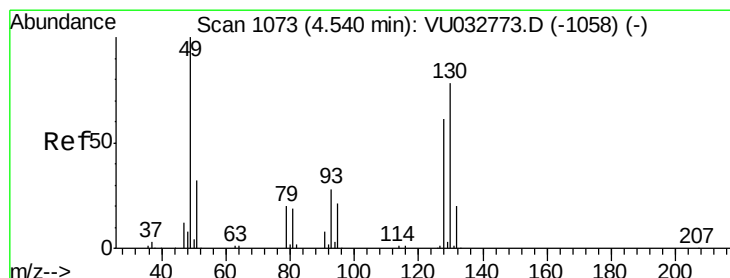
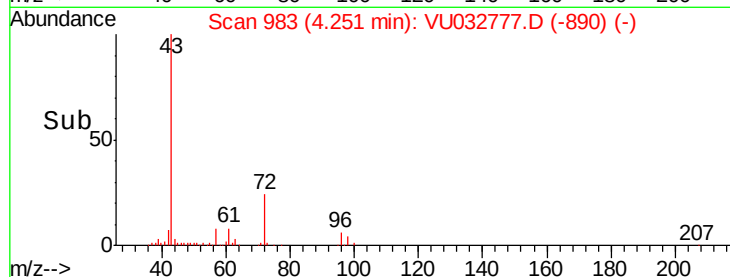
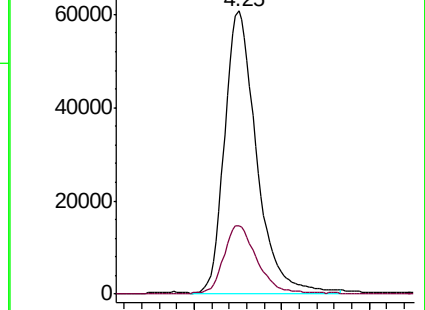
43 100

72 25.7 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032777.D (-968) (-)



#23

Bromochloromethane

Concen: 48.609 ug/L

RT: 4.54 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Tgt Ion: 128 Resp: 42419

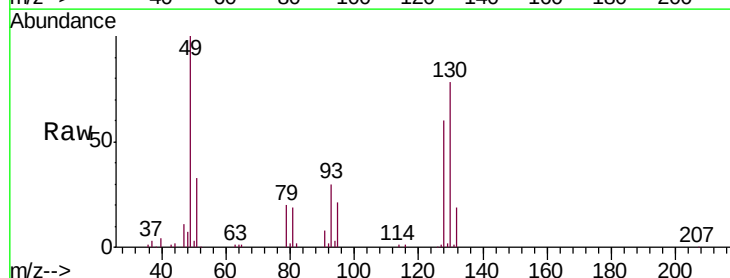
Ion Ratio Lower Upper

128 100

49 165.7 114.7 212.9

130 129.0 89.4 166.0

51 53.9 42.0 63.0

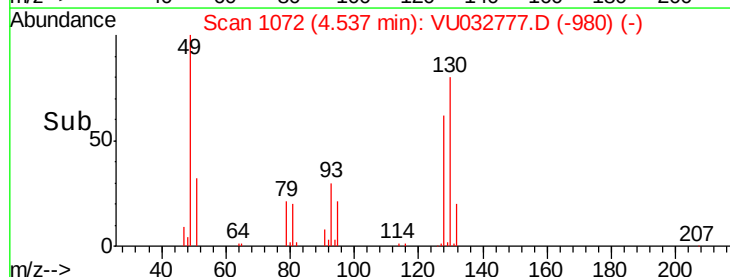
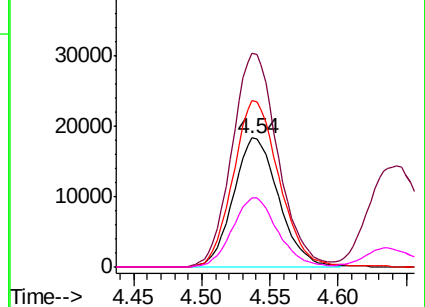


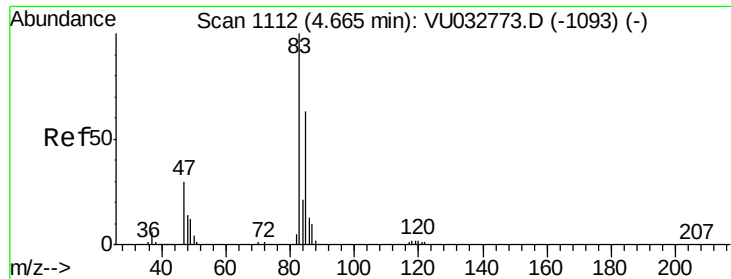
Abundance Ion 128.00 (127.70 to 128.70): VU032777.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032777.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032777.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032777.D (-1058) (-)

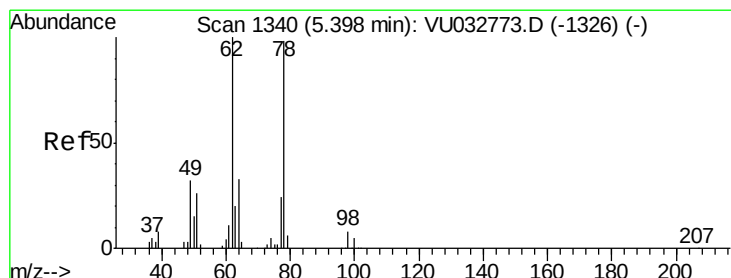
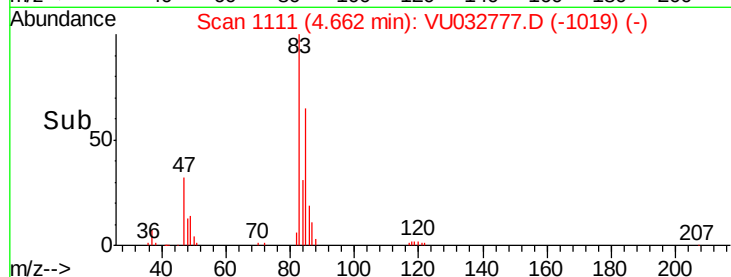
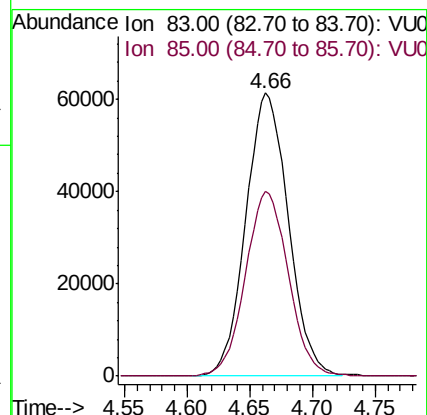
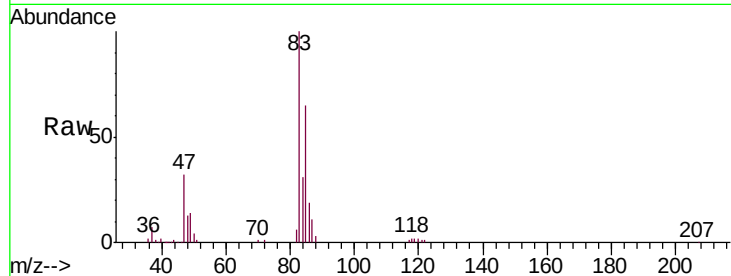




#25
Chloroform
Concen: 48.020 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

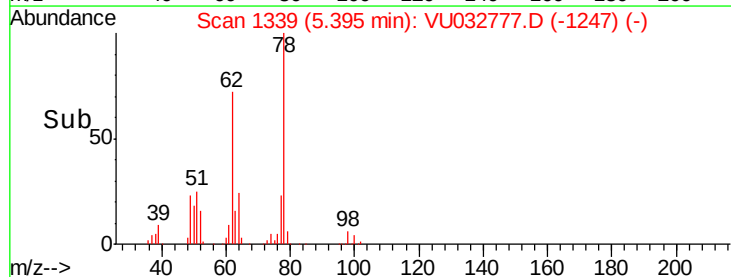
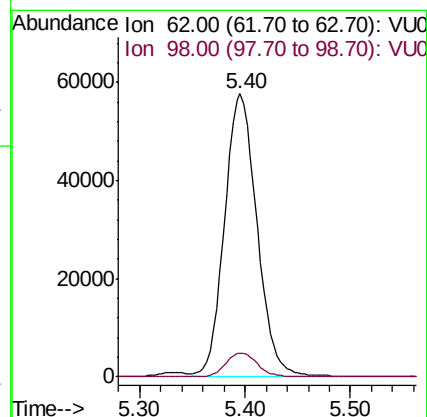
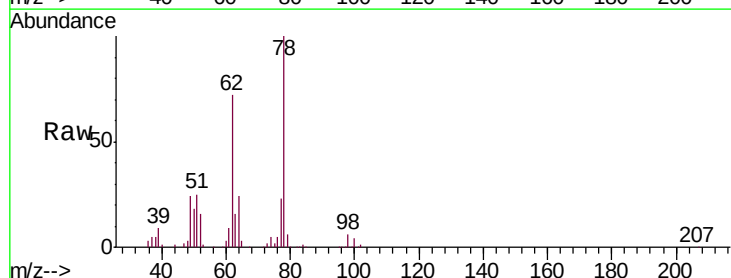
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

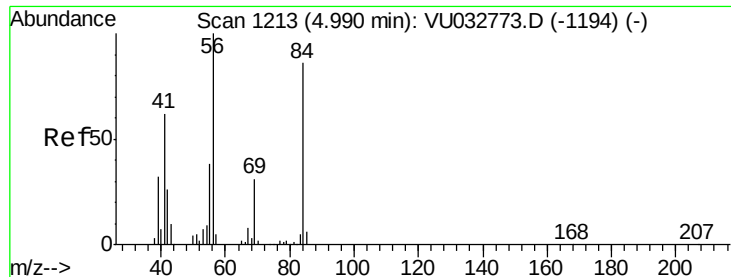
Tgt Ion: 83 Resp: 144968
Ion Ratio Lower Upper
83 100
85 65.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 49.471 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion: 62 Resp: 122691
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

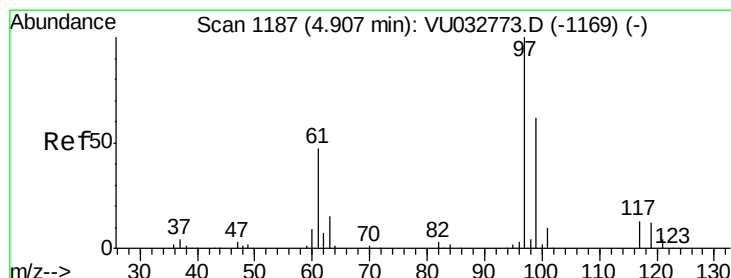
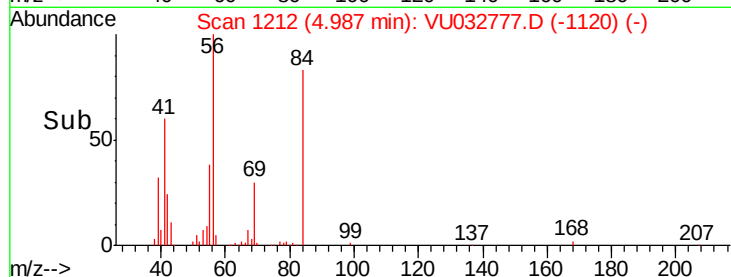
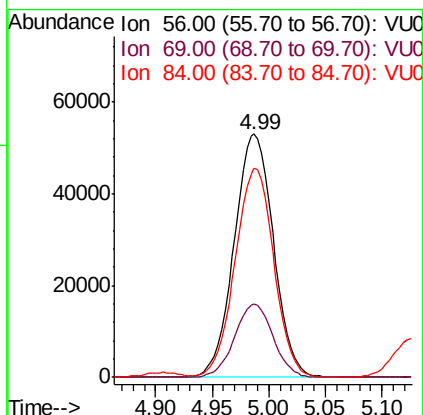
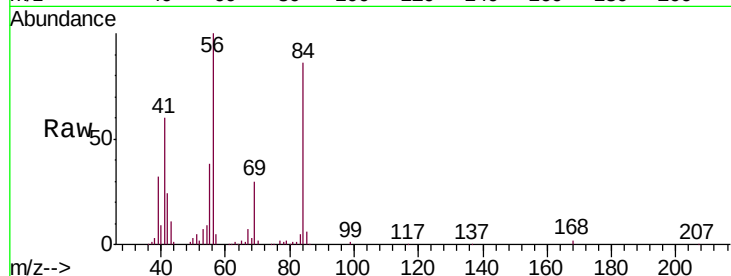




#29
Cyclohexane
Concen: 50.821 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

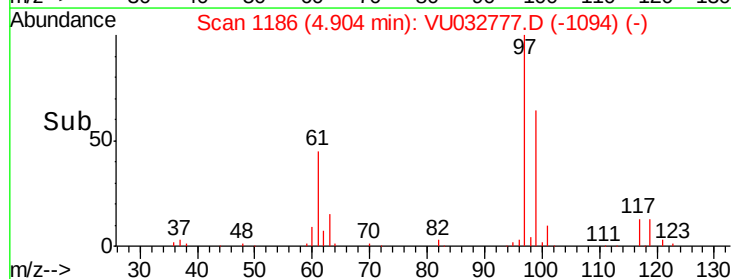
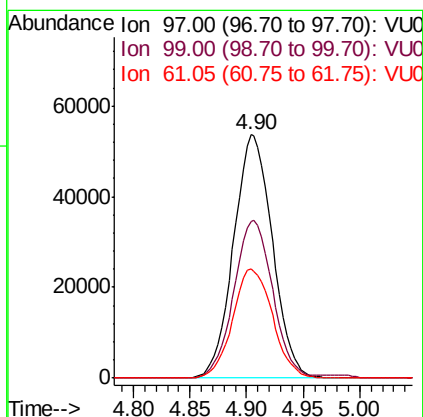
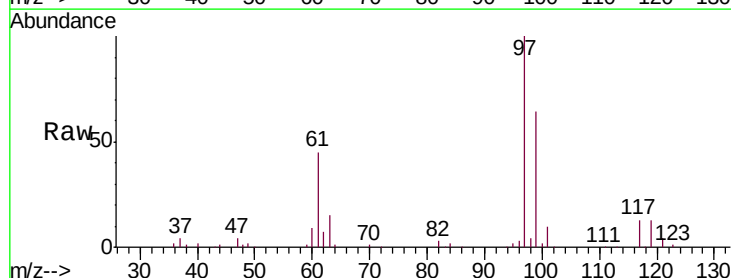
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

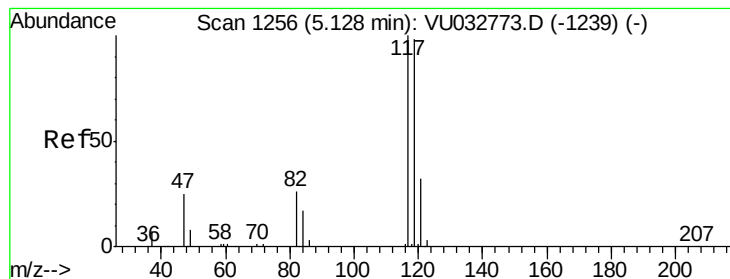
Tgt Ion: 56 Resp: 128194
Ion Ratio Lower Upper
56 100
69 29.6 24.2 36.4
84 84.3 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 48.784 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion: 97 Resp: 128397
Ion Ratio Lower Upper
97 100
99 64.8 50.7 76.1
61 46.0 36.7 55.1





#31

Carbon tetrachloride

Concen: 49.089 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

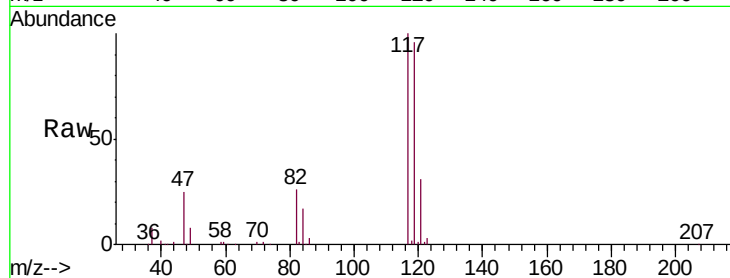
VSTD05051

Tgt Ion:117 Resp: 117558

Ion Ratio Lower Upper

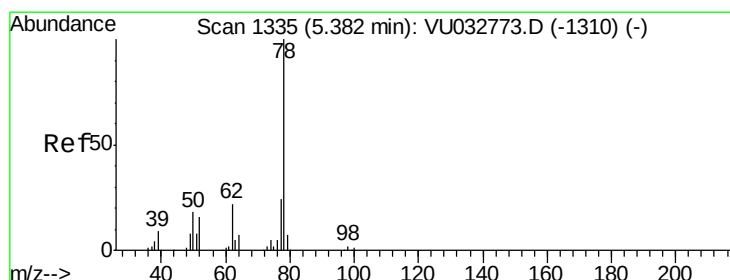
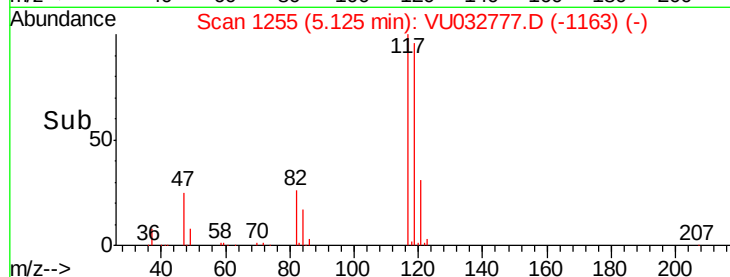
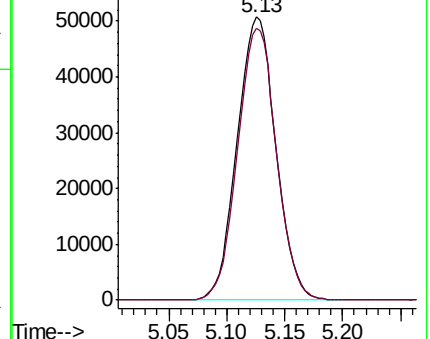
117 100

119 96.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.394 ug/L

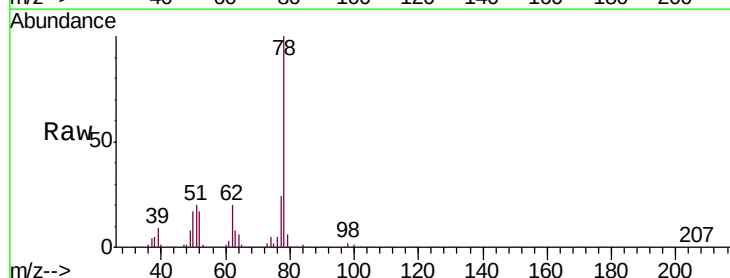
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

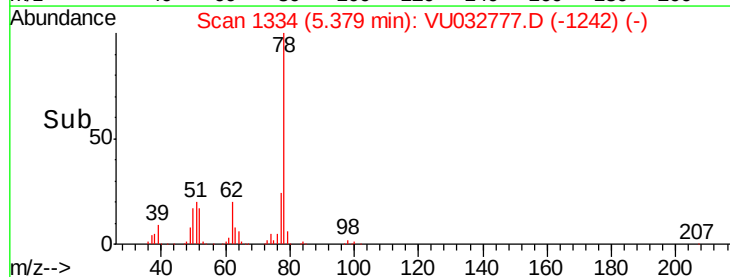
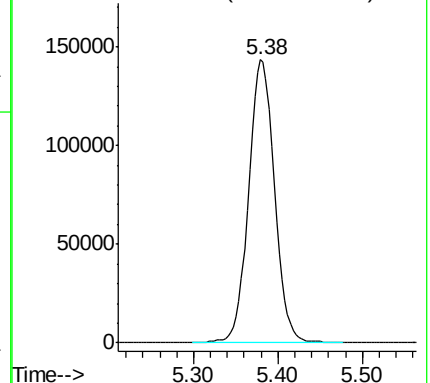
Lab File: VU032777.D

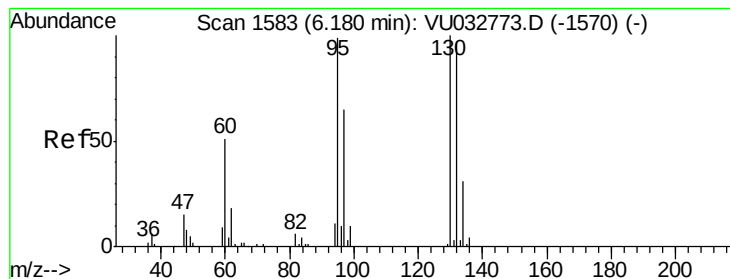
Acq: 17 Jun 2019 13:11

Tgt Ion: 78 Resp: 307396



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.289 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

Tgt Ion: 95 Resp: 81957

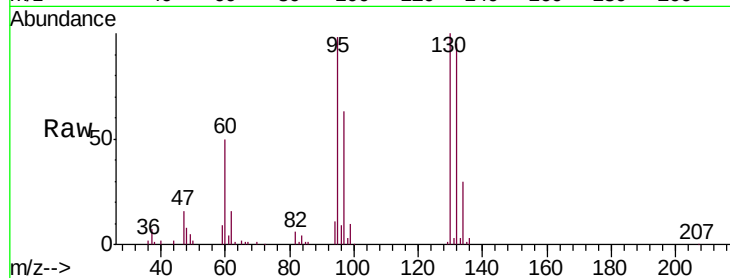
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 96.4 68.5 127.3

130 101.8 70.8 131.4

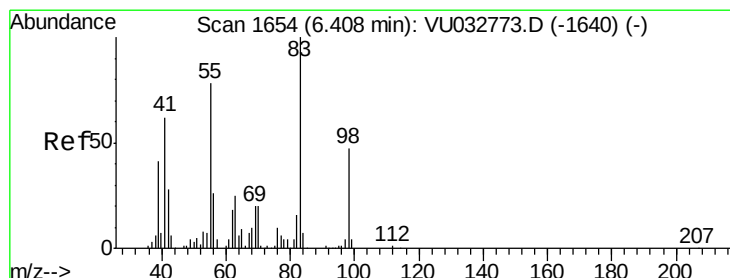
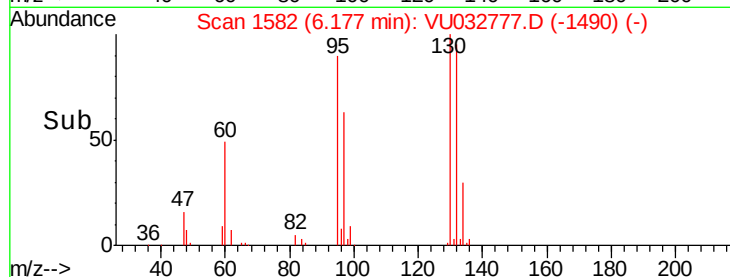
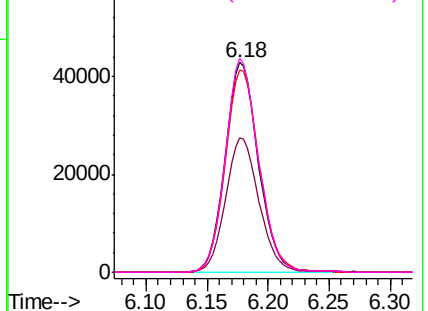


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.692 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

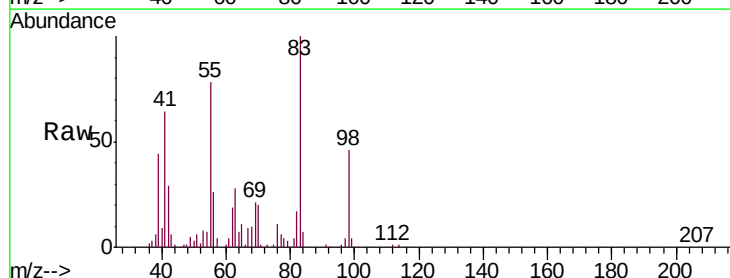
Tgt Ion: 83 Resp: 132859

Ion Ratio Lower Upper

83 100

55 77.4 62.6 94.0

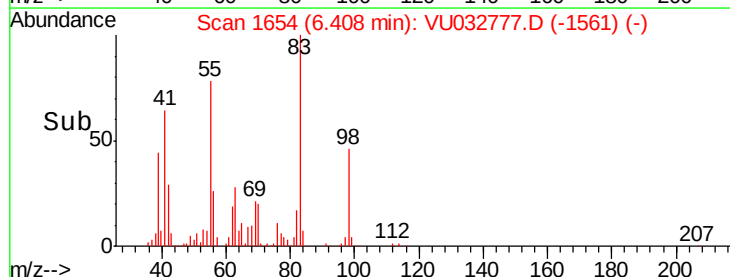
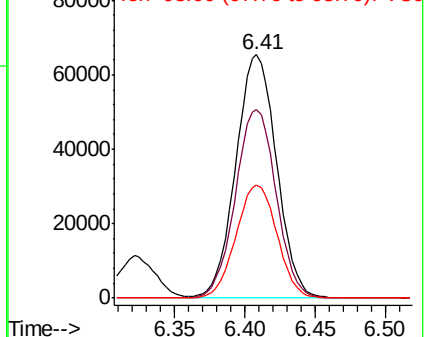
98 46.6 37.4 56.0

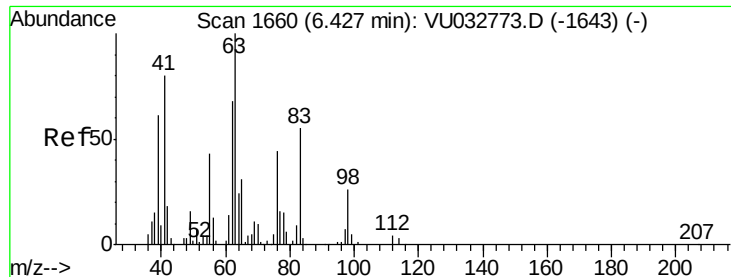


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.875 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

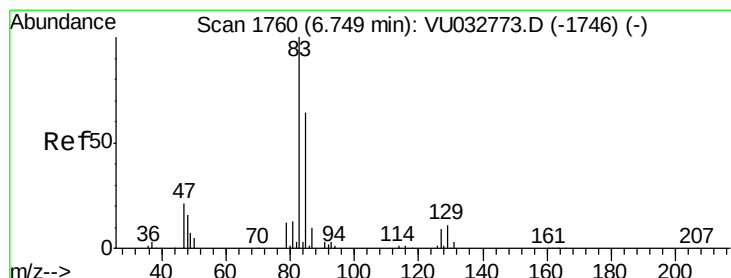
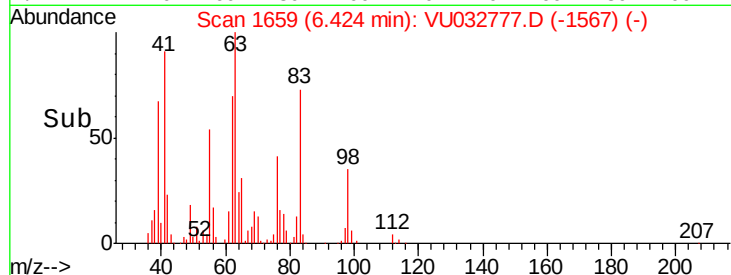
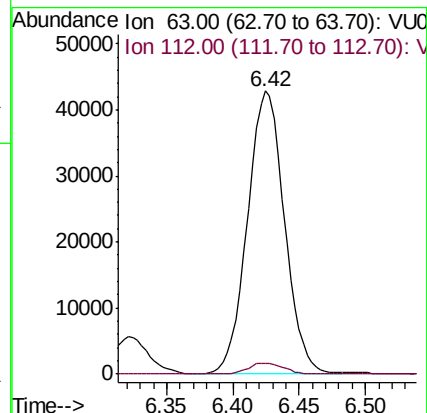
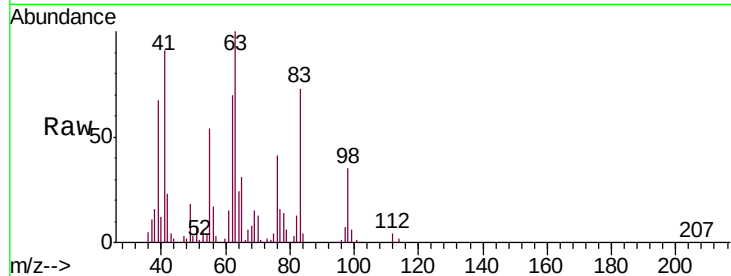
VSTD05051

Tgt Ion: 63 Resp: 83435

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 48.570 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

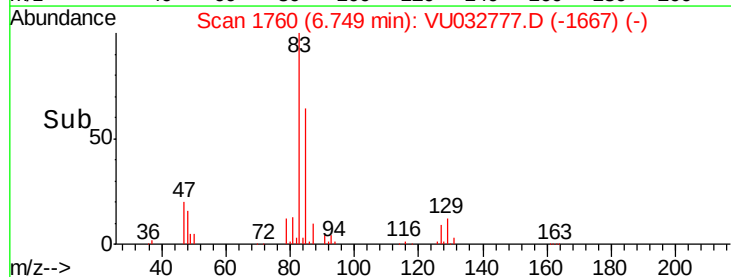
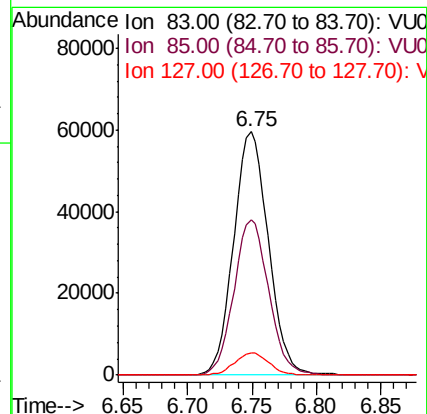
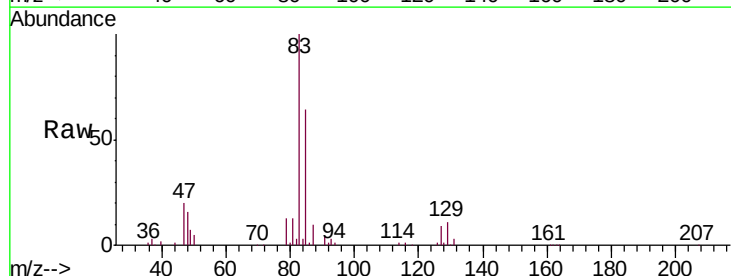
Tgt Ion: 83 Resp: 111489

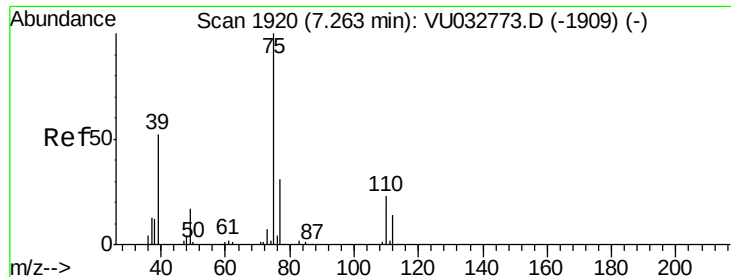
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 9.1 7.0 10.6



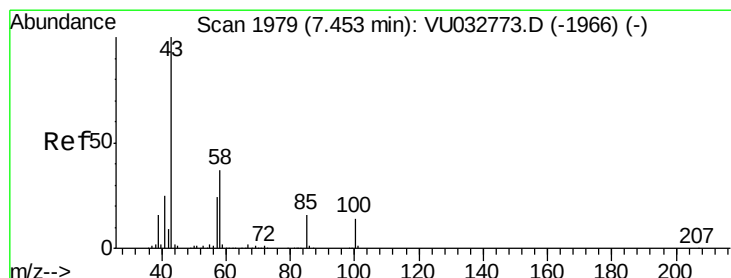
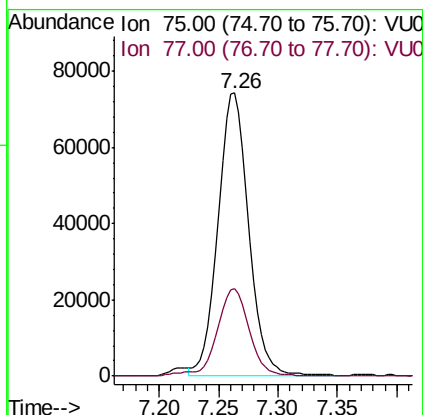
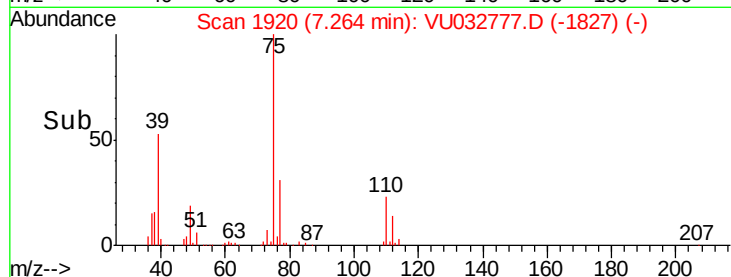
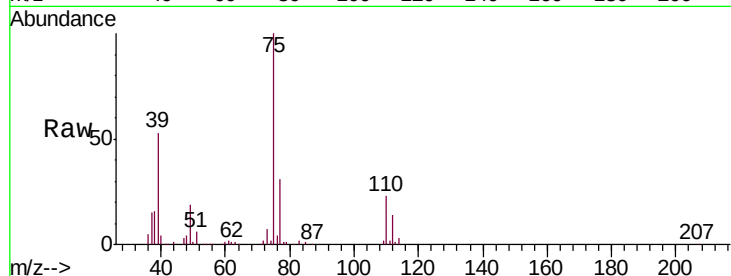


#39

cis-1,3-Dichloropropene
Concen: 50.013 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

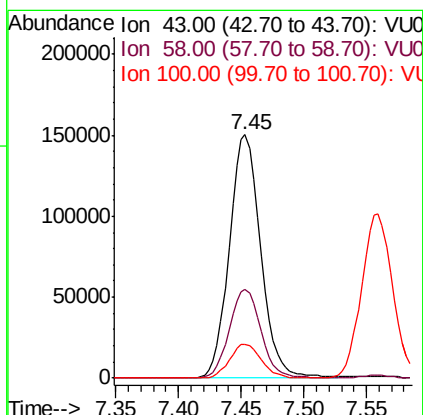
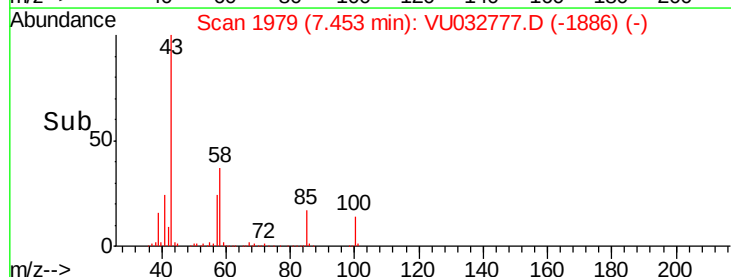
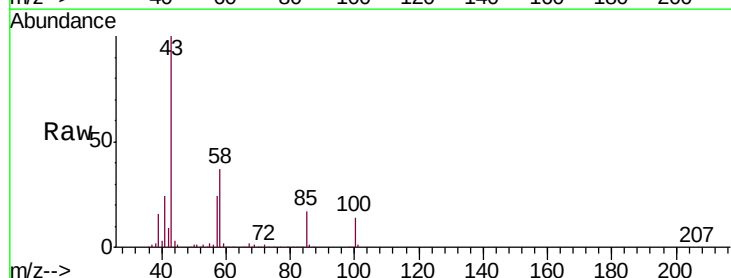
Tgt Ion: 75 Resp: 133015
Ion Ratio Lower Upper
75 100
77 30.7 21.9 40.7

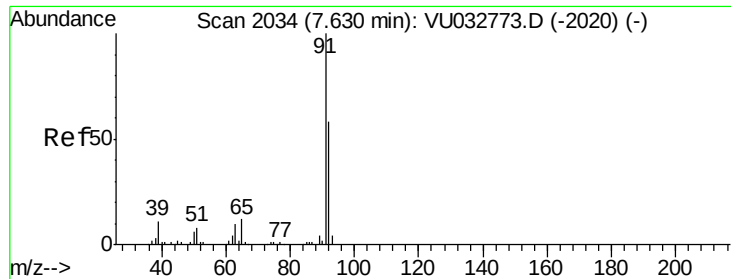


#40

4-Methyl-2-pentanone
Concen: 95.872 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion: 43 Resp: 261293
Ion Ratio Lower Upper
43 100
58 36.9 29.4 44.2
100 14.1 11.2 16.8





#42

Toluene

Concen: 49.605 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

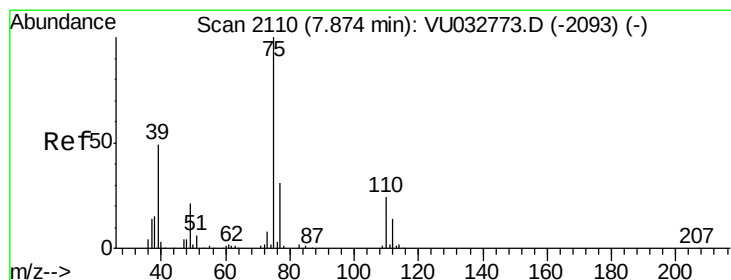
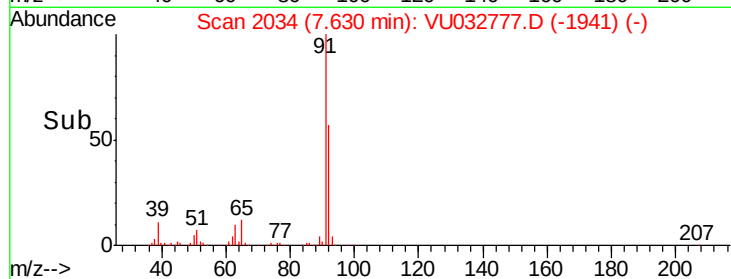
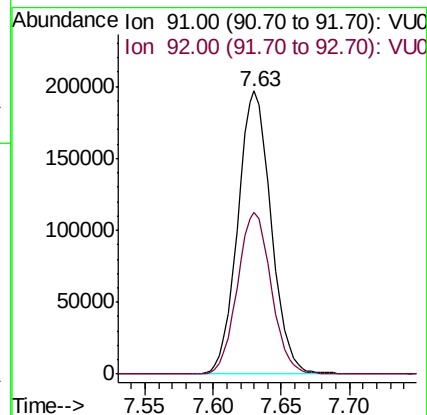
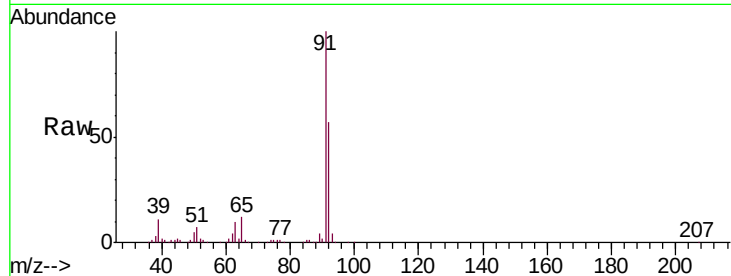
VSTD05051

Tgt Ion: 91 Resp: 334006

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 49.718 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032777.D

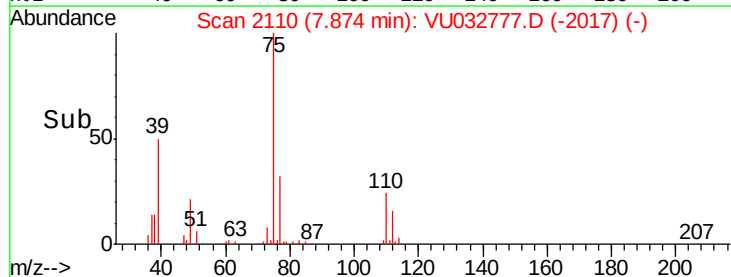
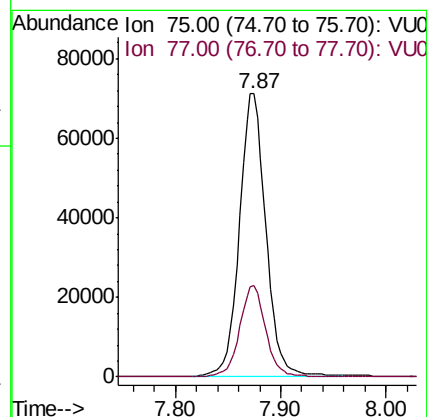
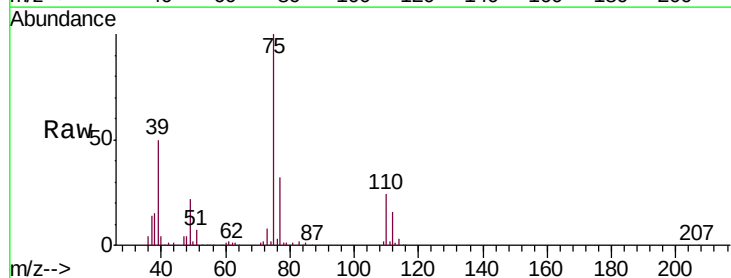
Acq: 17 Jun 2019 13:11

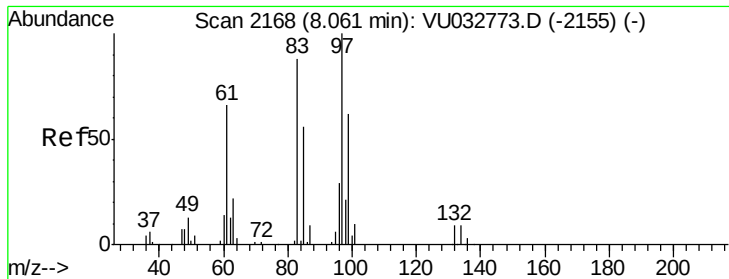
Tgt Ion: 75 Resp: 124198

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4

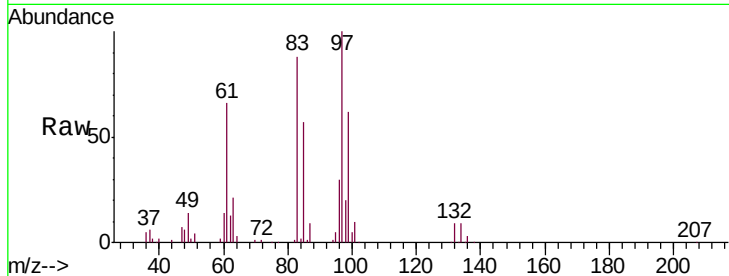




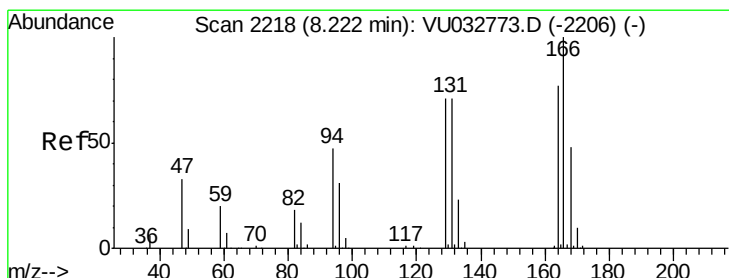
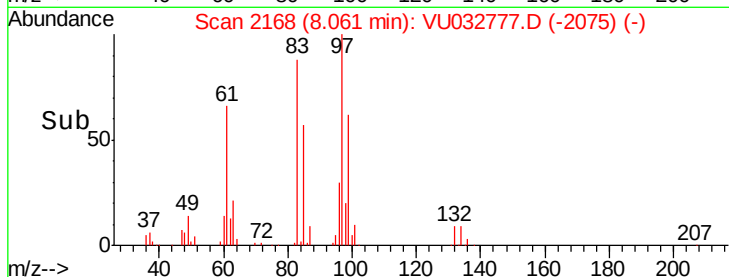
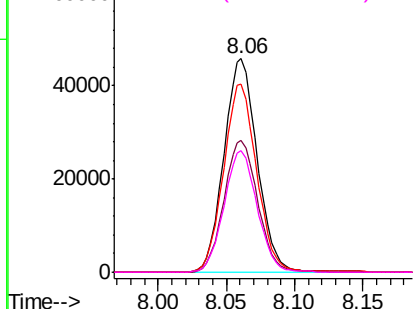
#45
 1,1,2-Trichloroethane
 Concen: 48.971 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion: 97 Resp: 77811
 Ion Ratio Lower Upper
 97 100
 99 61.7 43.1 80.1
 83 88.0 61.4 114.0
 85 57.2 39.2 72.8

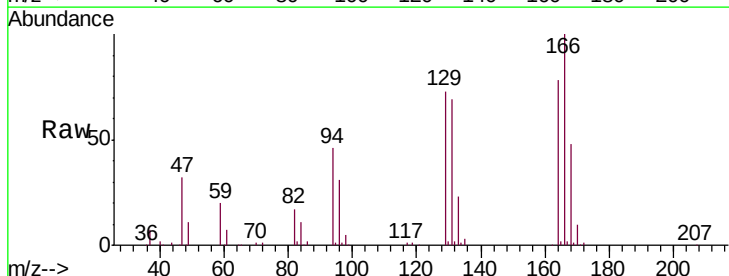


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

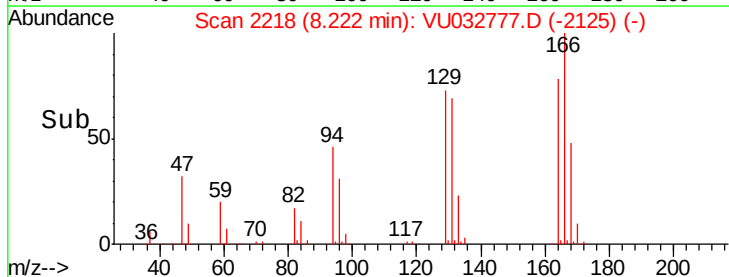
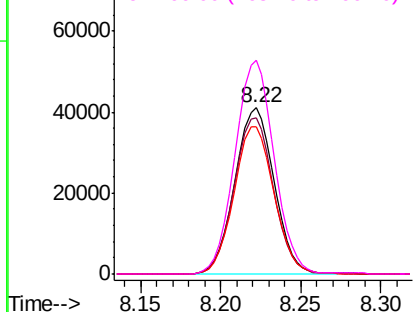


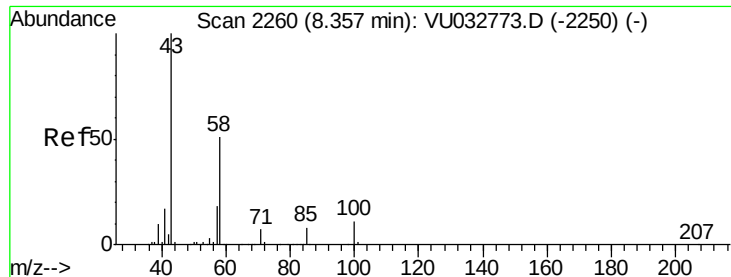
#46
 Tetrachloroethene
 Concen: 50.466 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion: 164 Resp: 68760
 Ion Ratio Lower Upper
 164 100
 129 94.3 64.8 120.3
 131 88.6 64.5 119.7
 166 128.8 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

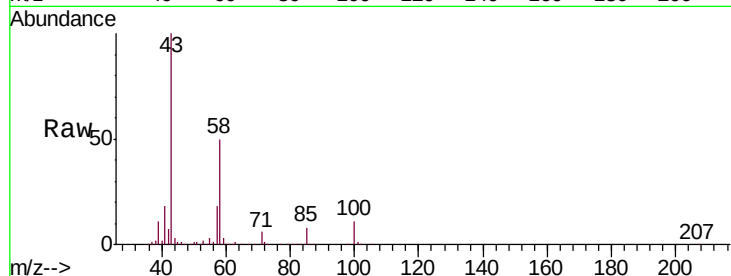




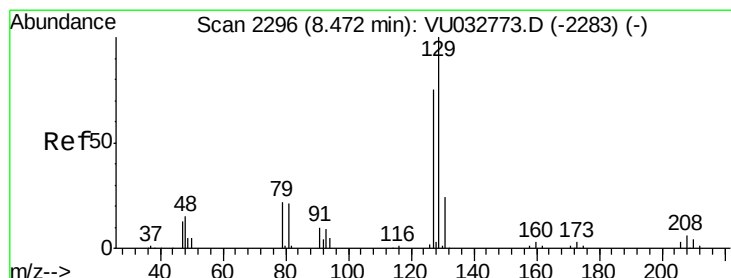
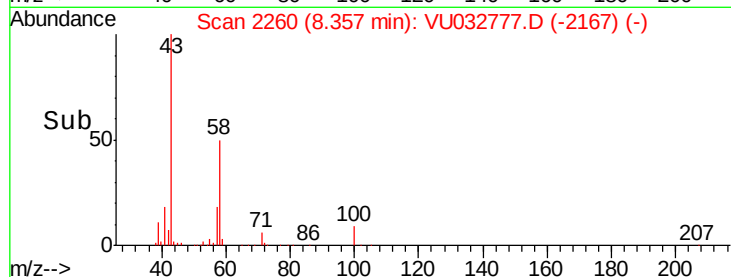
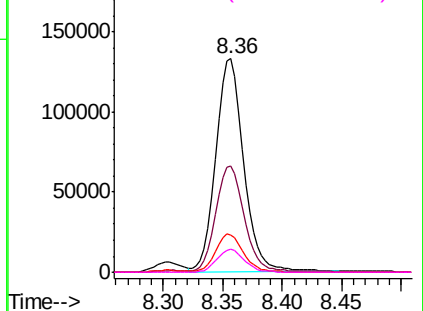
#48
2-Hexanone
Concen: 89.782 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Tgt Ion:	43	Resp:	215896
Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.2	60.2
57	17.3	14.2	21.4
100	10.8	8.4	12.6

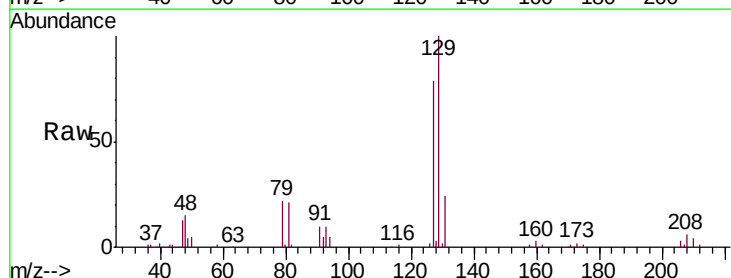


Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU032777.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU032777.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU032777.D (-2167) (-)

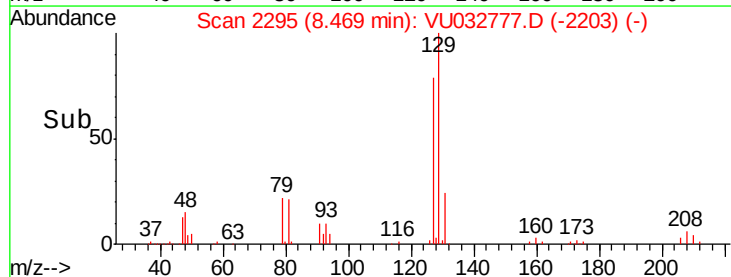
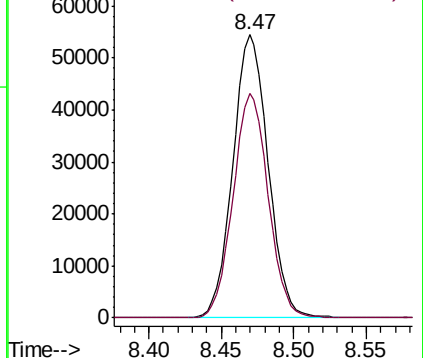


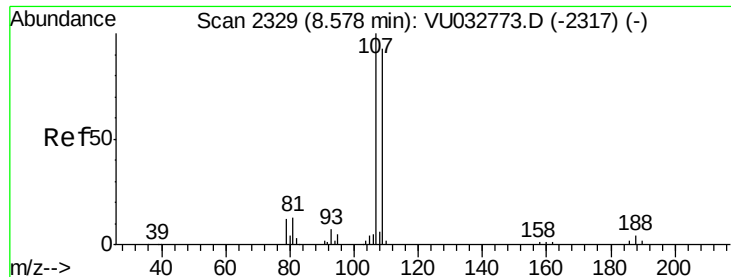
#49
Dibromochloromethane
Concen: 48.017 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion:	129	Resp:	91976
Ion	Ratio	Lower	Upper
129	100		
127	79.1	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032777.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU032777.D (-2203) (-)





#50

1,2-Dibromoethane

Concen: 49.357 ug/L

RT: 8.58 min Scan# 2329

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

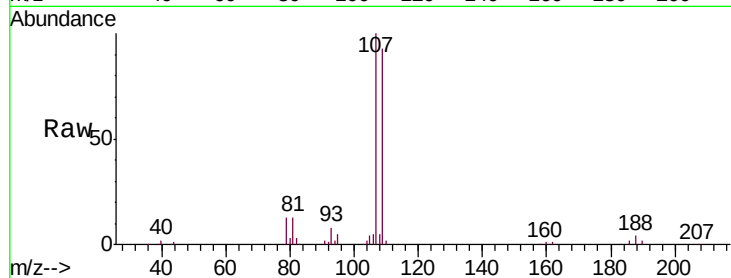
Tgt Ion:107 Resp: 87093

Ion Ratio Lower Upper

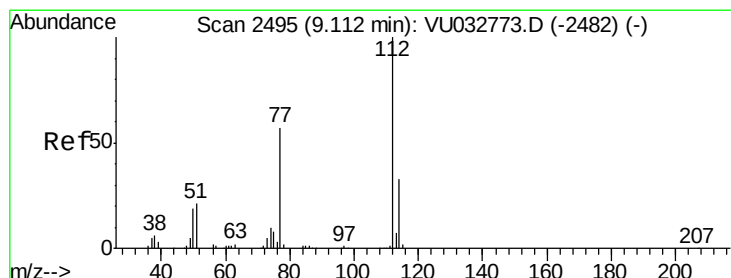
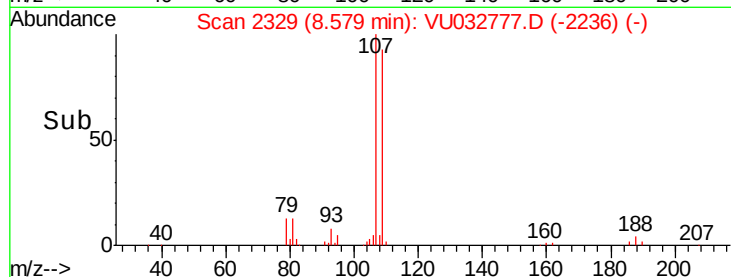
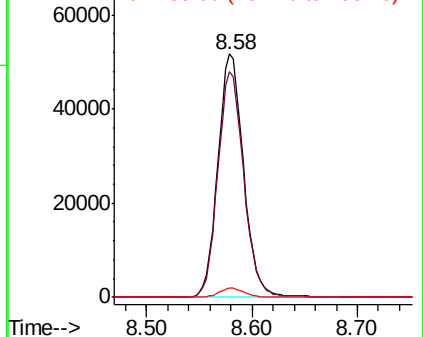
107 100

109 92.6 65.4 121.4

188 3.8 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.688 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

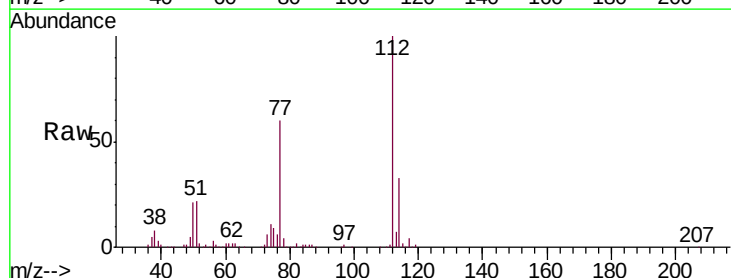
Tgt Ion:112 Resp: 215728

Ion Ratio Lower Upper

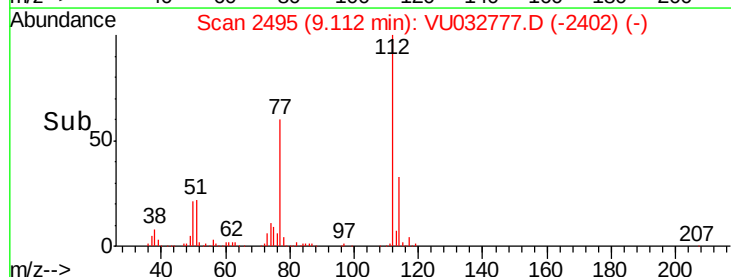
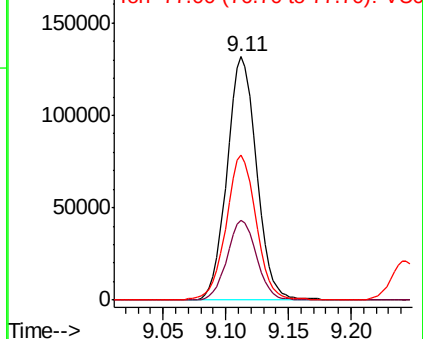
112 100

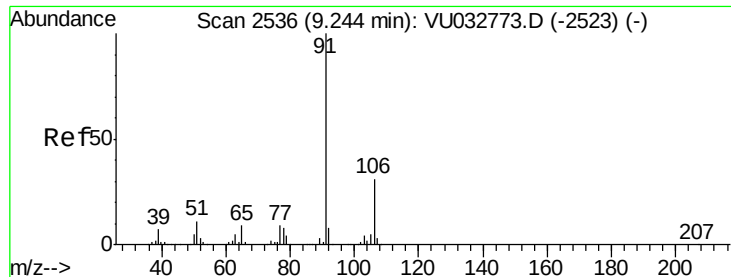
114 32.8 22.8 42.4

77 59.7 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.412 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

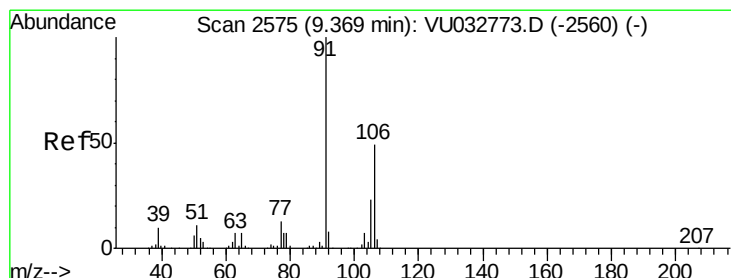
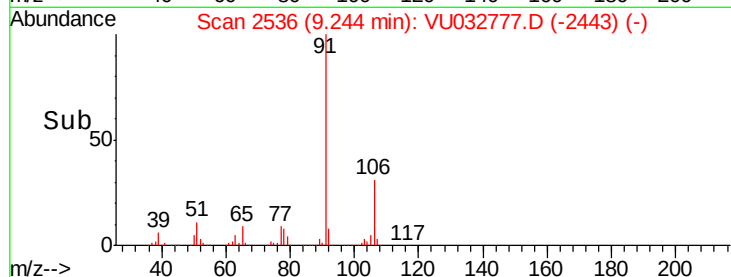
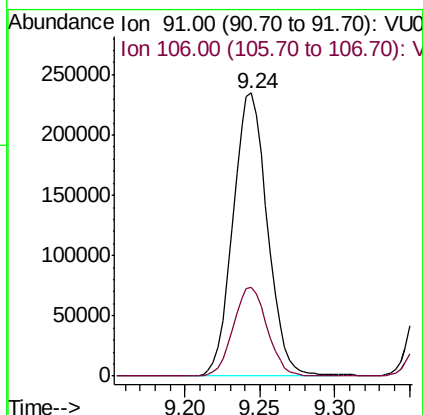
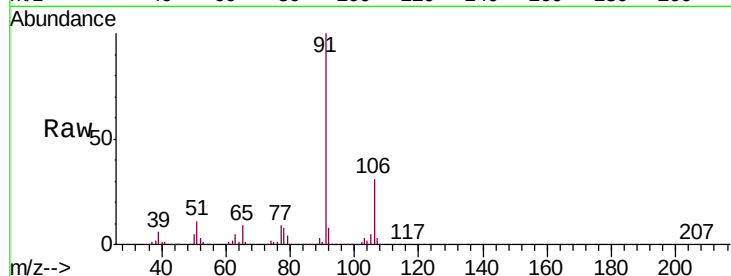
VSTD05051

Tgt Ion: 91 Resp: 375730

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 50.303 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032777.D

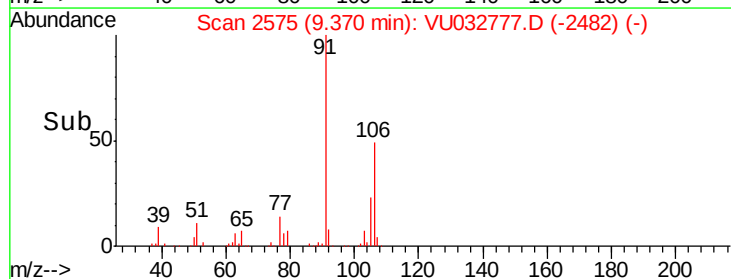
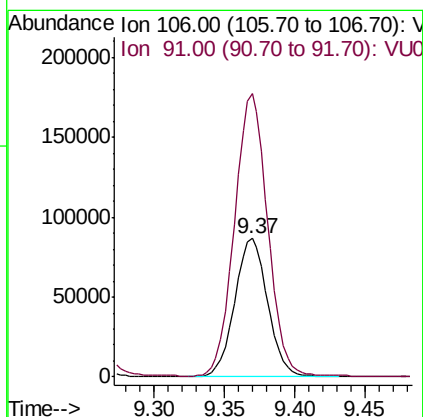
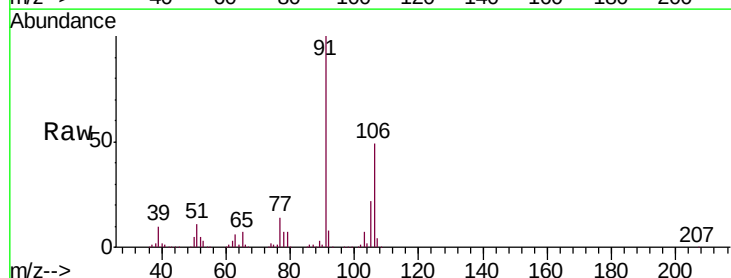
Acq: 17 Jun 2019 13:11

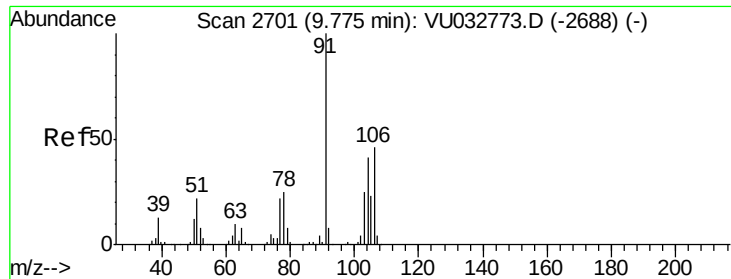
Tgt Ion: 106 Resp: 141454

Ion Ratio Lower Upper

106 100

91 204.6 142.9 265.5

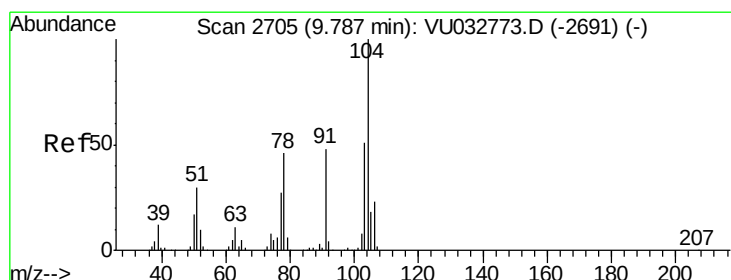
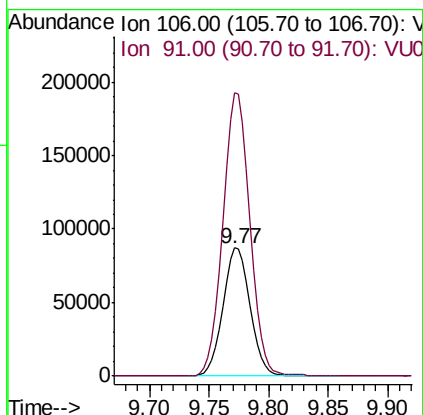
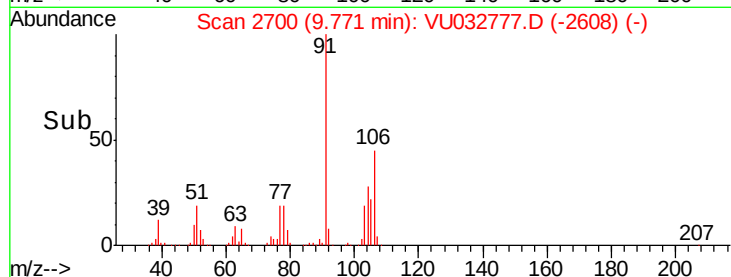
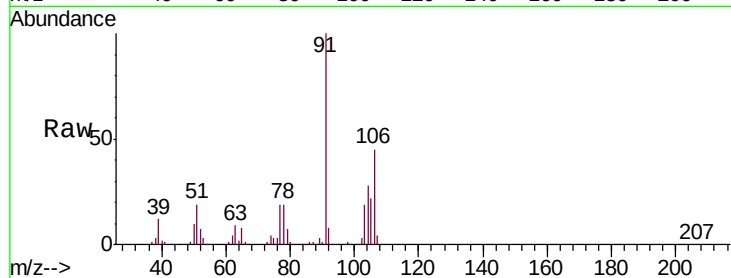




#54
o-xylene
Concen: 50.125 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

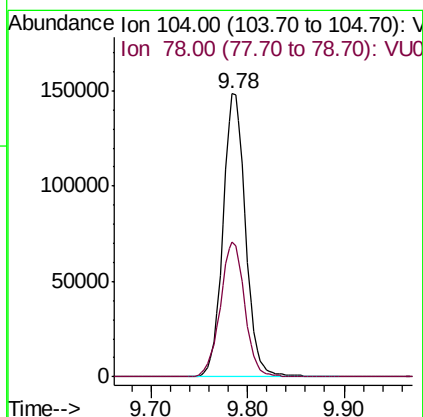
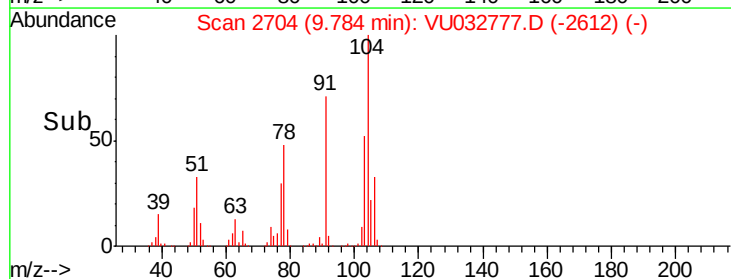
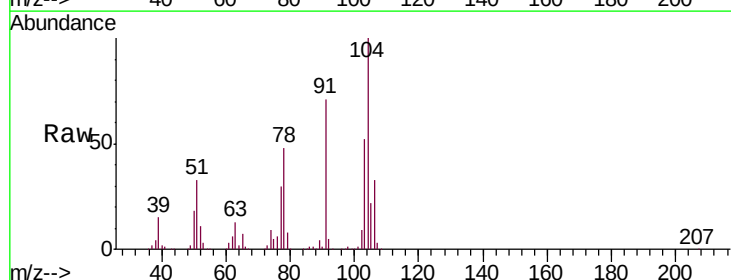
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

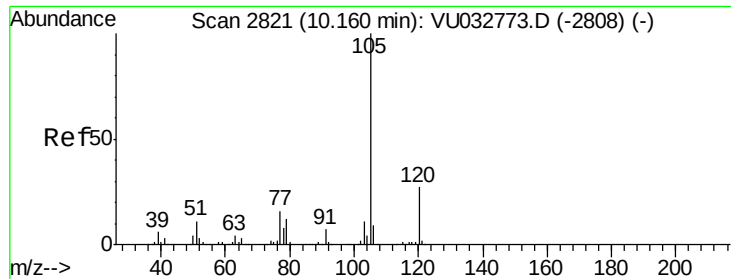
Tgt Ion:106 Resp: 137651
Ion Ratio Lower Upper
106 100
91 220.5 152.9 284.1



#55
Styrene
Concen: 50.456 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU032777.D
Acq: 17 Jun 2019 13:11

Tgt Ion:104 Resp: 240374
Ion Ratio Lower Upper
104 100
78 47.8 32.1 59.5





#56

Isopropylbenzene

Concen: 50.659 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

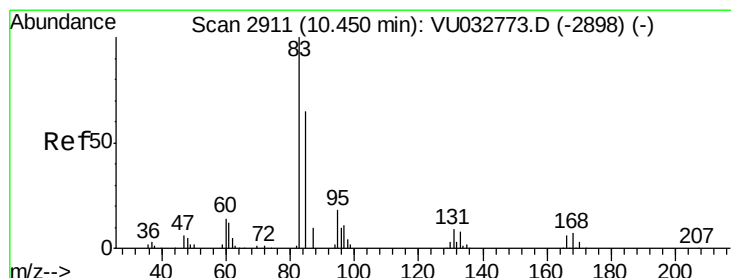
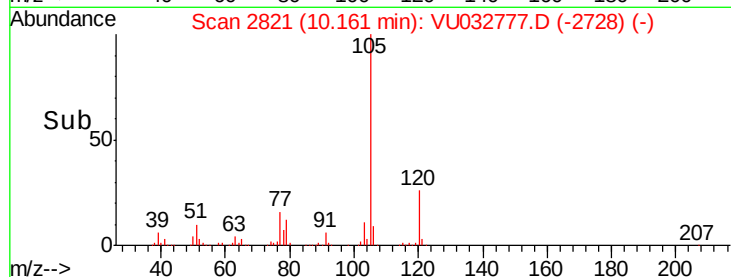
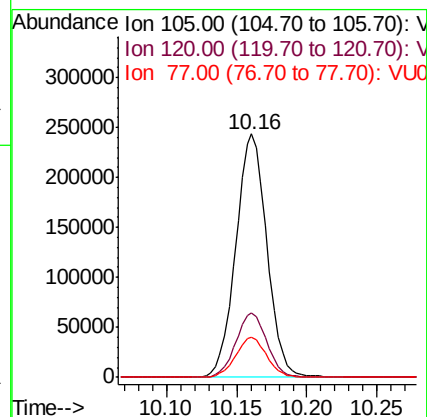
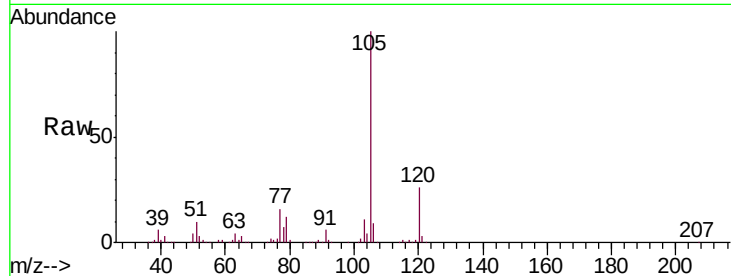
Tgt Ion:105 Resp: 374912

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 47.769 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

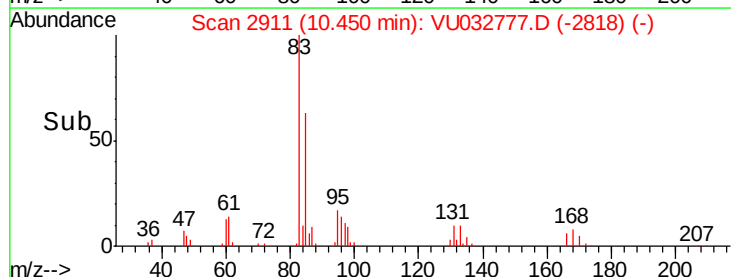
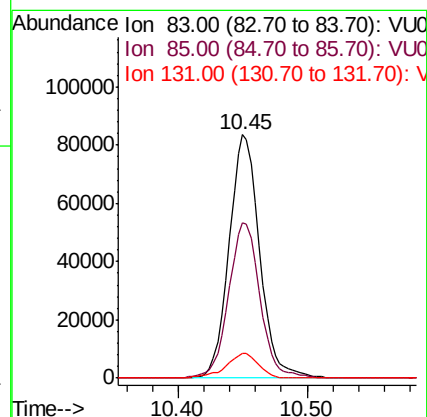
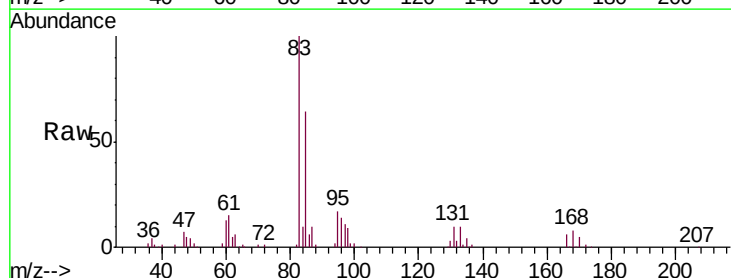
Tgt Ion: 83 Resp: 137341

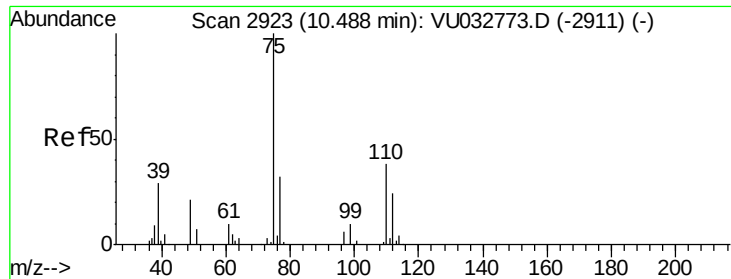
Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

131 10.2 7.8 11.8

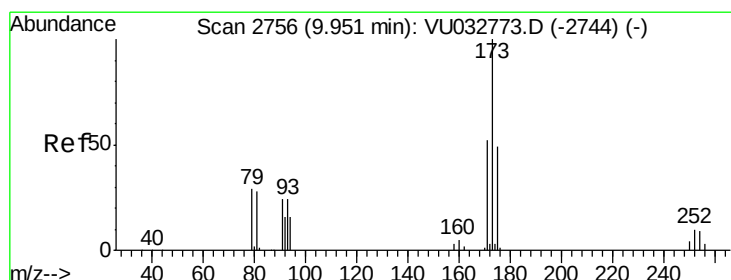
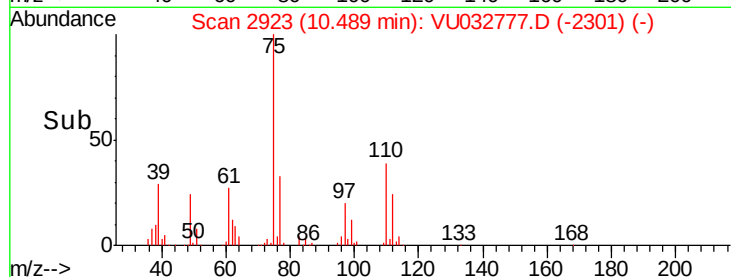
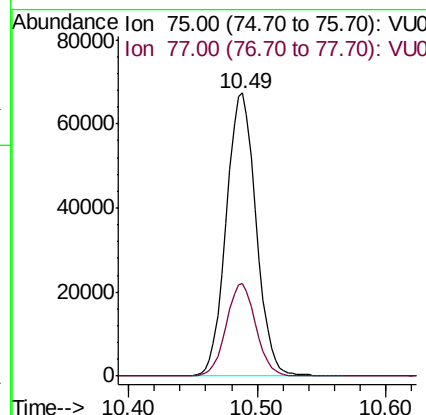
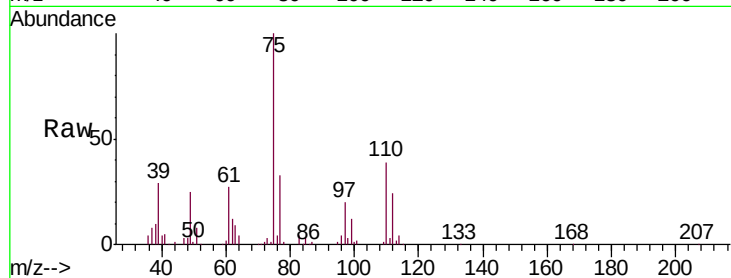




#59
 1,2,3-Trichloropropane
 Concen: 47.510 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

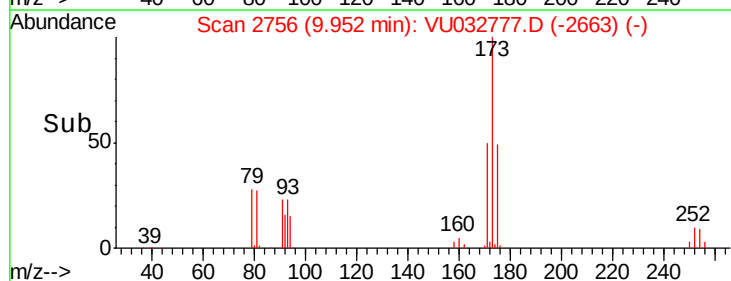
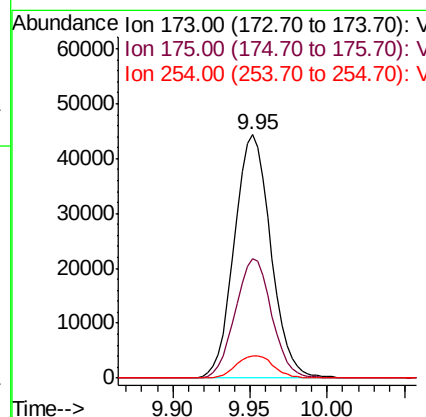
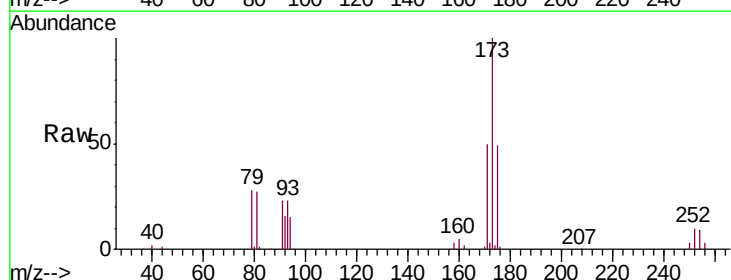
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

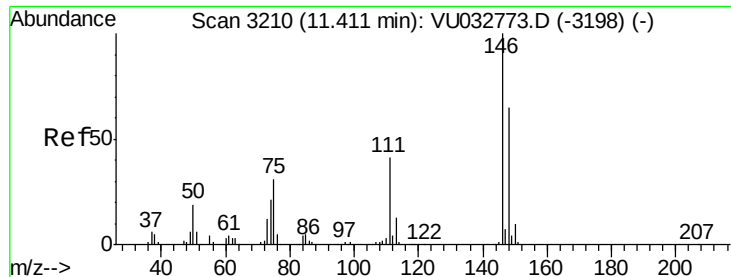
Tgt Ion: 75 Resp: 108237
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 47.373 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion: 173 Resp: 72534
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.4
 254 9.5 7.5 11.3

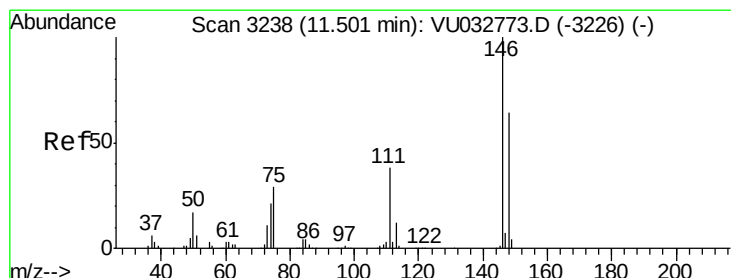
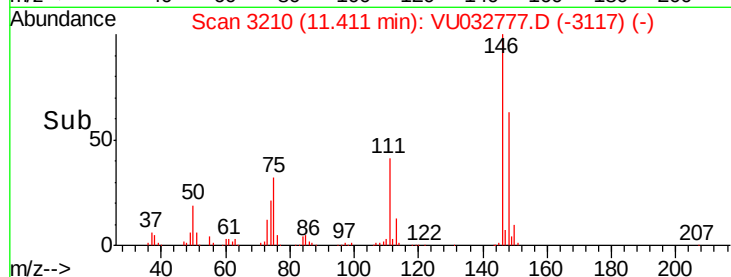
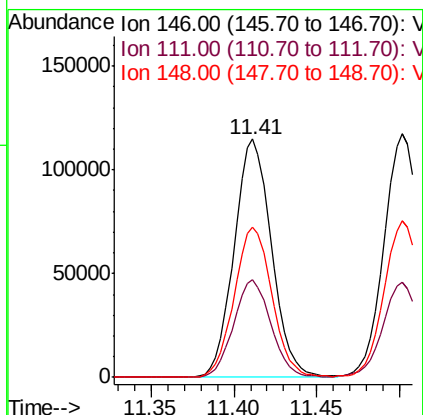
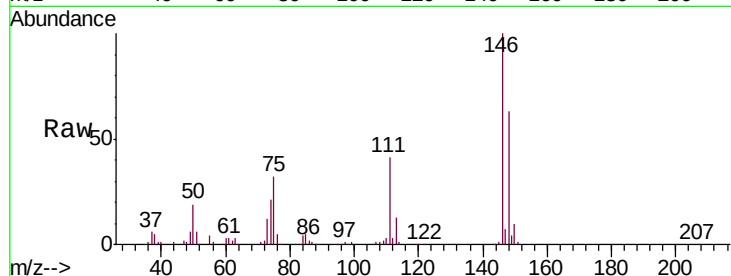




#62
 1,3-Dichlorobenzene
 Concen: 49.489 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

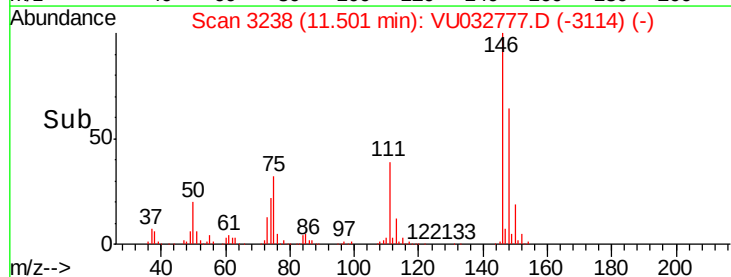
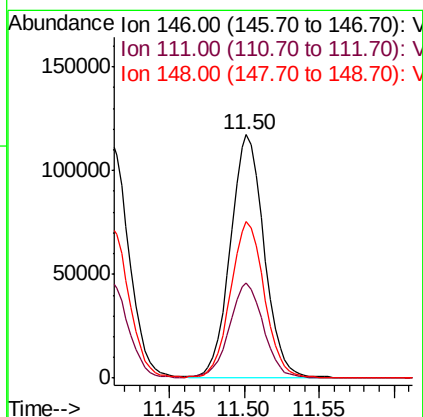
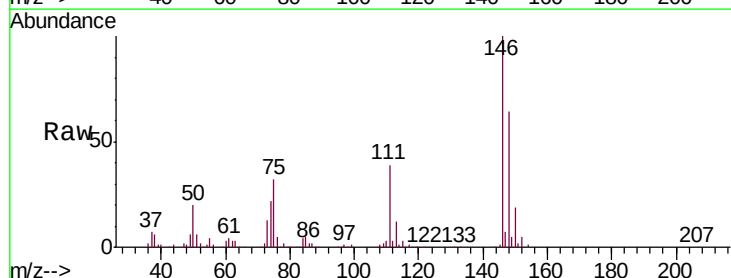
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

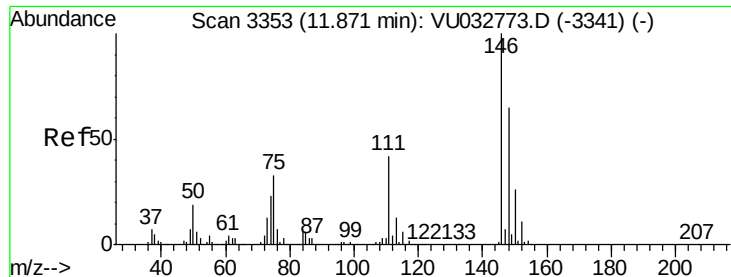
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.4	52.8
148	63.4	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 48.631 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.9	50.1
148	64.1	44.7	83.1

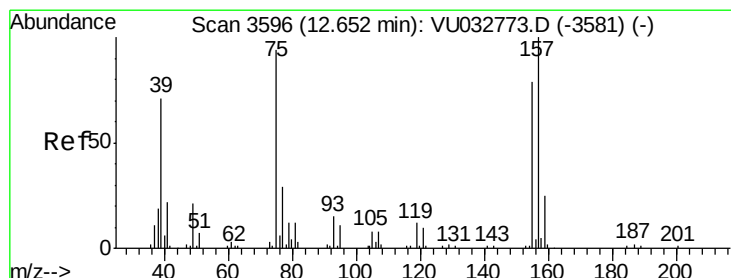
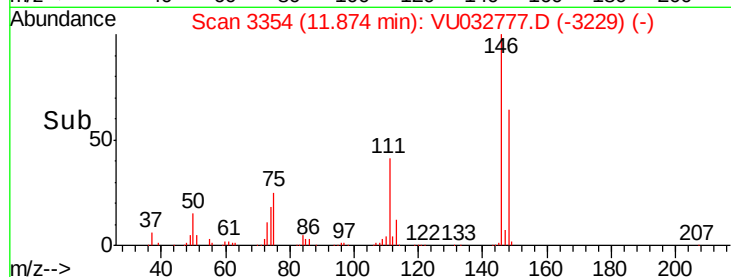
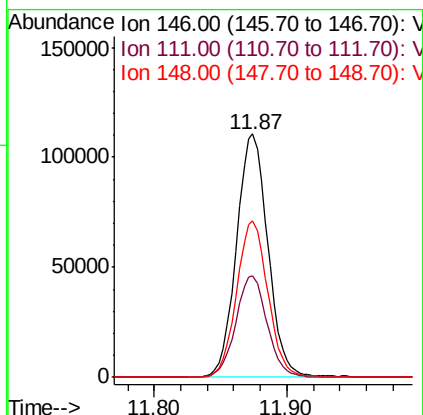
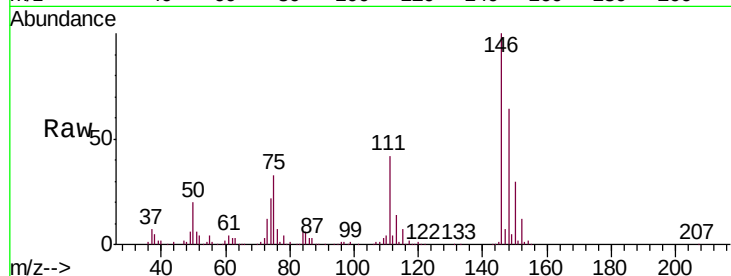




#65
 1,2-Dichlorobenzene
 Concen: 48.920 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

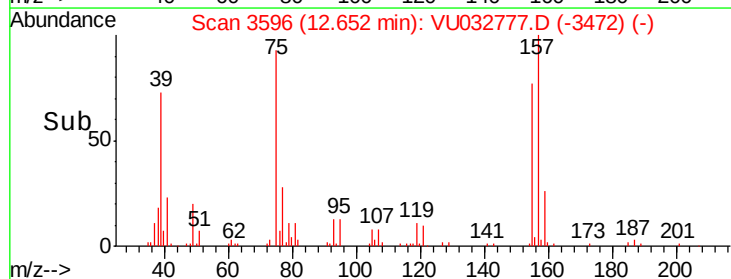
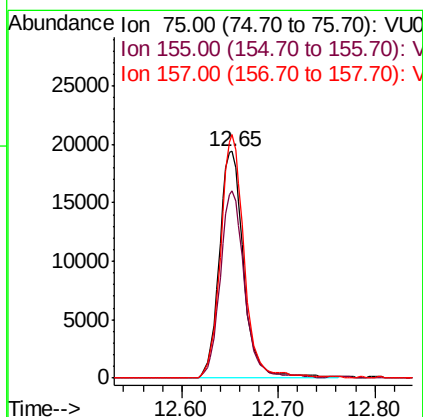
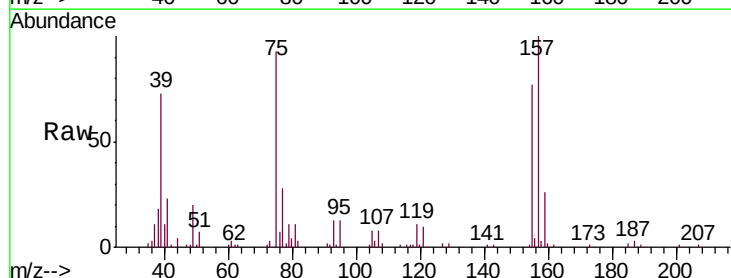
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

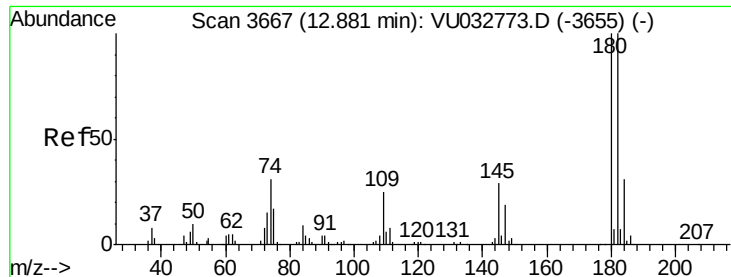
Tgt Ion: 146 Resp: 182058
 Ion Ratio Lower Upper
 146 100
 111 41.8 34.1 51.1
 148 64.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.569 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion: 75 Resp: 33774
 Ion Ratio Lower Upper
 75 100
 155 82.6 67.4 101.2
 157 107.4 85.5 128.3

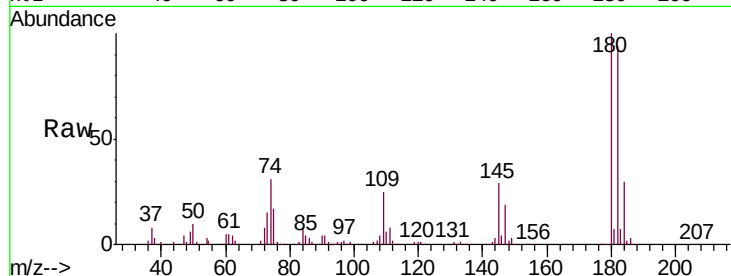




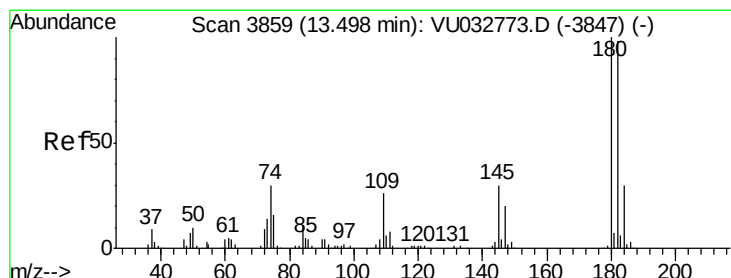
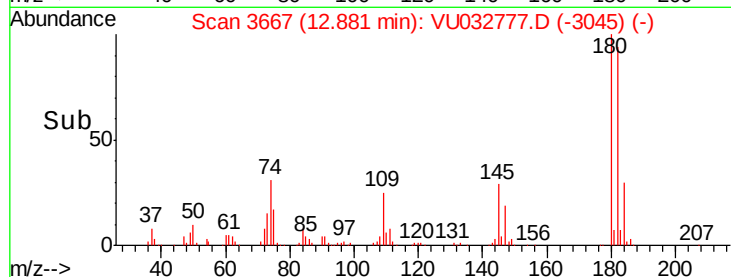
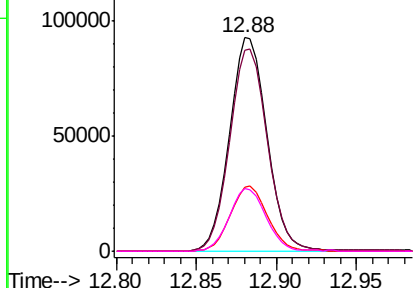
#67
 1,3,5-Trichlorobenzene
 Concen: 50.438 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion:180 Resp: 147710
 Ion Ratio Lower Upper
 180 100
 182 95.9 78.3 117.5
 184 30.3 24.8 37.2
 145 28.9 23.4 35.2

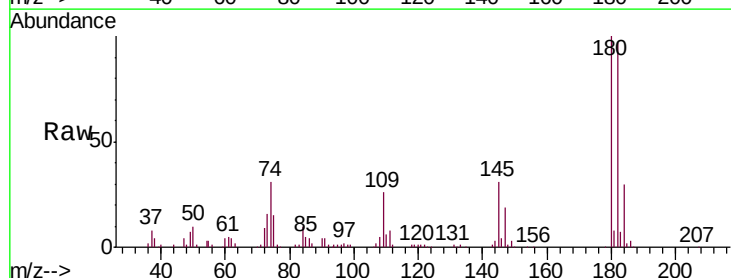


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

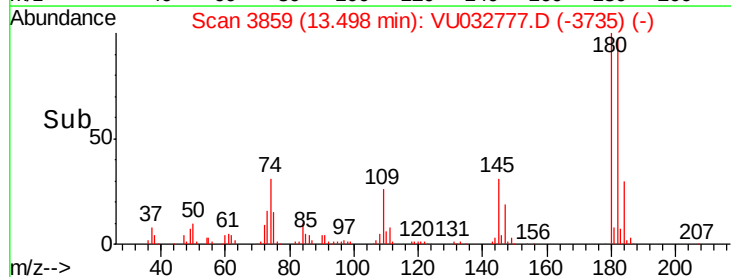
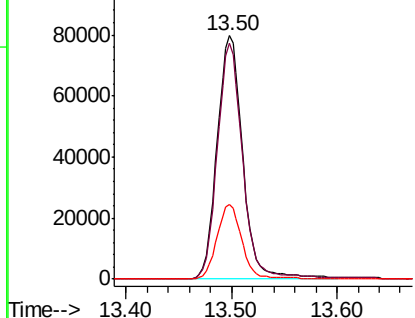


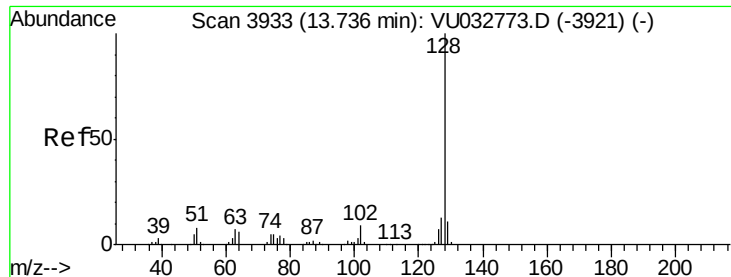
#68
 1,2,4-trichlorobenzene
 Concen: 53.362 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032777.D
 Acq: 17 Jun 2019 13:11

Tgt Ion:180 Resp: 134470
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.4
 145 29.4 23.8 35.8



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





#69

Naphthalene

Concen: 52.927 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

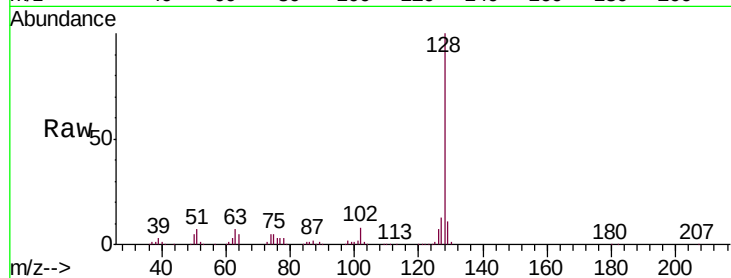
Tgt Ion:128 Resp: 410071

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

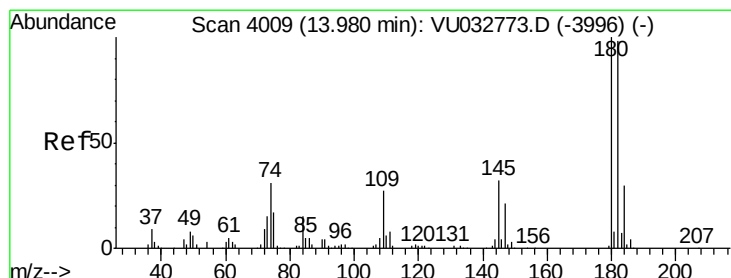
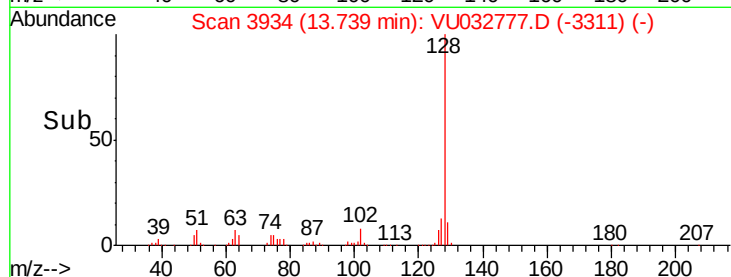
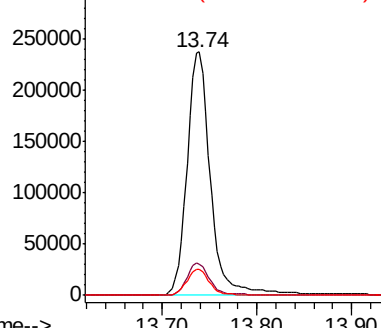
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.941 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032777.D

Acq: 17 Jun 2019 13:11

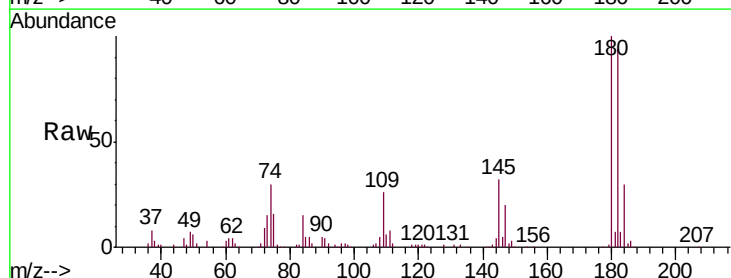
Tgt Ion:180 Resp: 138561

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

145 31.8 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

