

Data File : VU033775.D
Acq On : 13 Aug 2019 09:20
Operator : JC/SP
Sample : VSTD00533
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Aug 14 01:36:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 01:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	404025	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	400820	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	194250	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	20052	5.45	ug/L	0.00
7) Chloroethane-d5	1.67	69	16963	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	32080	4.94	ug/L	0.00
21) 2-Butanone-d5	4.17	46	17362	8.30	ug/L	0.02
24) Chloroform-d	4.63	84	30447	5.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	18599	5.21	ug/L	0.00
32) Benzene-d6	5.32	84	53937	4.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	18625	5.51	ug/L	0.00
41) Toluene-d8	7.55	98	48578	4.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	8251	5.01	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	10763	7.67	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	26205	5.09	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	19783	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	20442	5.059 ug/L	98
3) Chloromethane	1.32	50	22306	5.522 ug/L	100
5) Vinyl chloride	1.39	62	23048	5.018 ug/L	97
6) Bromomethane	1.62	94	15056	4.444 ug/L	98
8) Chloroethane	1.69	64	15140	5.354 ug/L	96
9) Trichlorofluoromethane	1.87	101	29316	4.902 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	14286	4.781 ug/L	97
12) 1,1-Dichloroethene	2.27	96	13993	4.834 ug/L	89
13) Acetone	2.32	43	23656	11.530 ug/L	99
14) Carbon disulfide	2.46	76	46201	5.224 ug/L	98
15) Methyl Acetate	2.61	43	17001	5.108 ug/L	94
16) Methylene chloride	2.69	84	16564	5.105 ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	14501	4.918 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	40177	4.641 ug/L	98
19) 1,1-Dichloroethane	3.42	63	29035	5.248 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	15560	4.806 ug/L	98
22) 2-Butanone	4.25	43	22790	9.281 ug/L	78
23) Bromochloromethane	4.53	128	7831	4.543 ug/L	98
25) Chloroform	4.65	83	30516	5.224 ug/L	96
27) 1,2-Dichloroethane	5.39	62	23018	5.054 ug/L	98
29) Cyclohexane	4.97	56	18832	4.271 ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	26052	5.439 ug/L	97
31) Carbon tetrachloride	5.11	117	22344	5.244 ug/L	97
33) Benzene	5.37	78	58083	4.816 ug/L	100
34) Trichloroethene	6.17	95	16531	5.260 ug/L	94
35) Methylcyclohexane	6.40	83	19997	4.170 ug/L	96
37) 1,2-Dichloropropane	6.41	63	16589	5.104 ug/L	# 92
38) Bromodichloromethane	6.74	83	21741	5.099 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	22049	4.568 ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	37405	8.829 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	58097	4.497	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	20329	4.634	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	16478	5.339	ug/L	97
46) Tetrachloroethene	8.21	164	12106	4.721	ug/L	95
48) 2-Hexanone	8.35	43	27152	7.919	ug/L	93
49) Dibromochloromethane	8.46	129	17312	5.013	ug/L	98
50) 1,2-Dibromoethane	8.57	107	15828	4.739	ug/L #	100
51) Chlorobenzene	9.10	112	42317	4.950	ug/L	97
52) Ethylbenzene	9.23	91	58823	4.211	ug/L	99
53) m,p-Xylene	9.36	106	20690	3.936	ug/L	95
54) o-xylene	9.76	106	20431	3.965	ug/L	98
55) Styrene	9.78	104	33367	3.812	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.44	83	26573	4.879	ug/L	94
59) Bromoform	9.94	173	12583	5.137	ug/L	96
60) 1,2,3-Trichloropropane	10.48	75	21108	5.322	ug/L	98
61) Isopropylbenzene	10.15	105	52314	4.202	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	40034	3.981	ug/L	95
63) 1,2,4-Trimethylbenzene	11.13	105	38137	3.821	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	28793	4.529	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	30841	4.688	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	30505	4.803	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.64	75	5309	4.829	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	20783	4.309	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	14059	3.475	ug/L	97
71) Naphthalene	13.73	128	34494	2.929	ug/L	100
72) 1,2,3-Trichlorobenzene	13.98	180	15342	3.632	ug/L	92

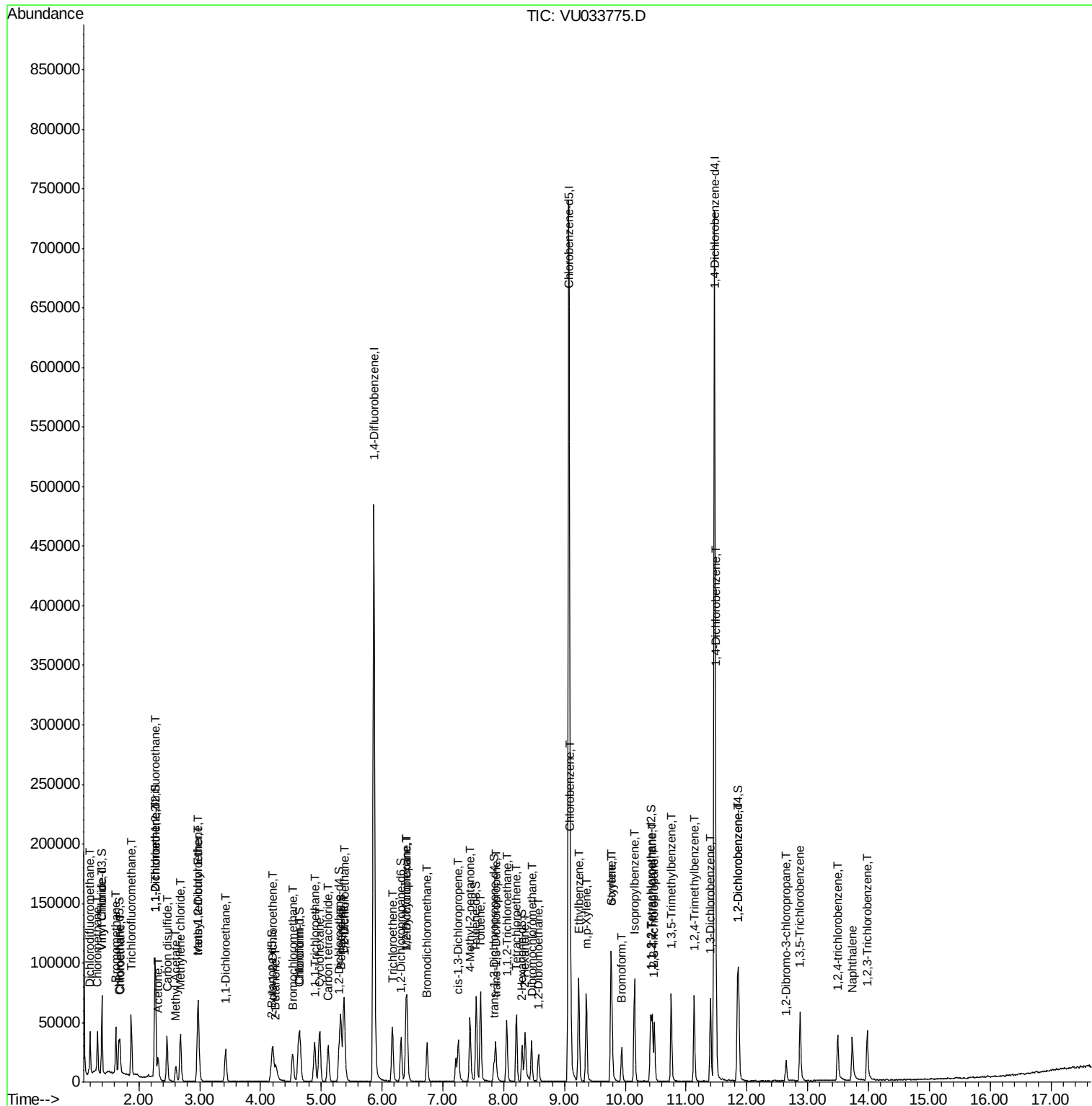
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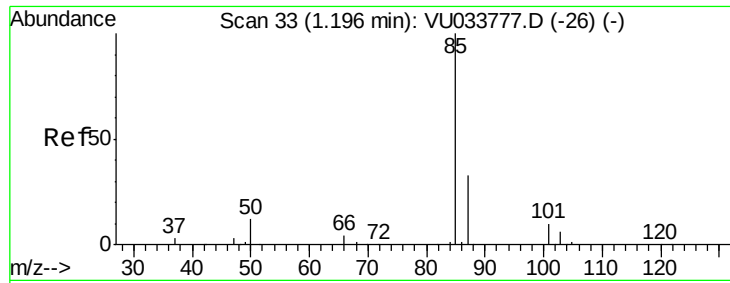
Data File : VU033775.D

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#2

Dichlorodifluoromethane

Concen: 5.059 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

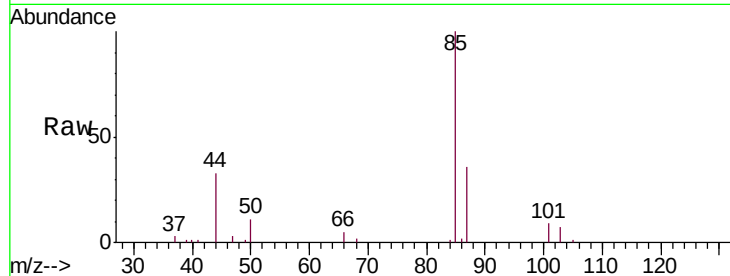
VSTD00533

Tgt Ion: 85 Resp: 20442

Ion Ratio Lower Upper

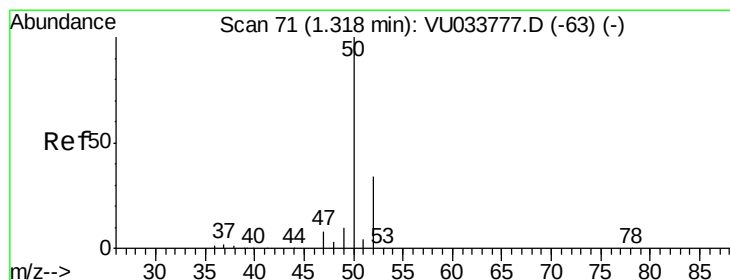
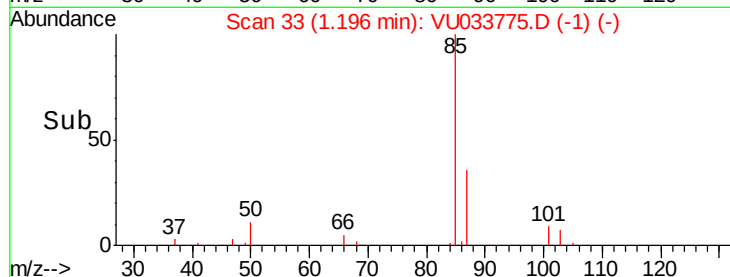
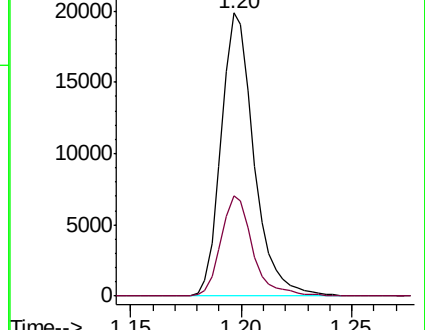
85 100

87 34.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU033777.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033777.D (-26) (-)



#3

Chloromethane

Concen: 5.522 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033775.D

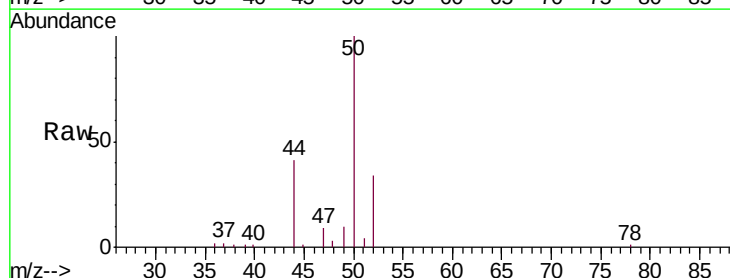
Acq: 13 Aug 2019 09:20

Tgt Ion: 50 Resp: 22306

Ion Ratio Lower Upper

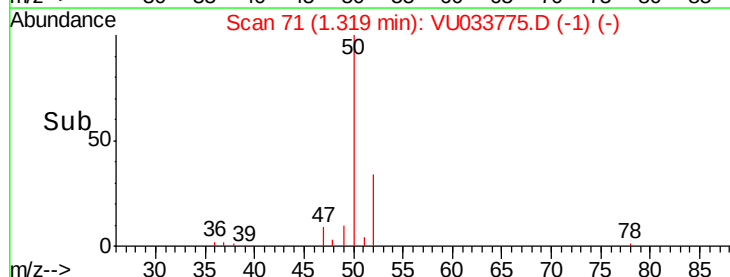
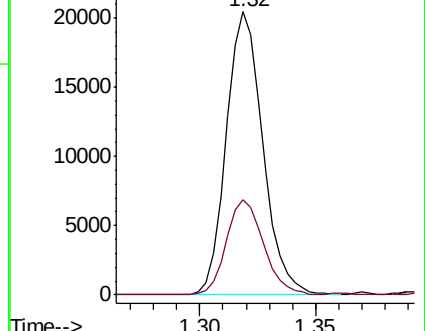
50 100

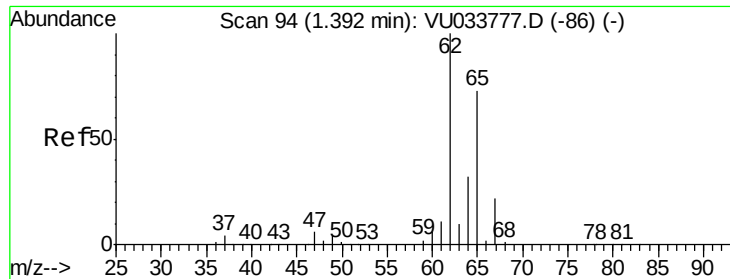
52 33.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033777.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033777.D (-63) (-)





#5

Vinyl chloride

Concen: 5.018 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

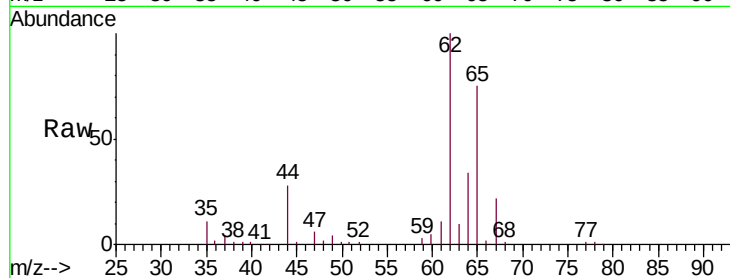
VSTD00533

Tgt Ion: 62 Resp: 23048

Ion Ratio Lower Upper

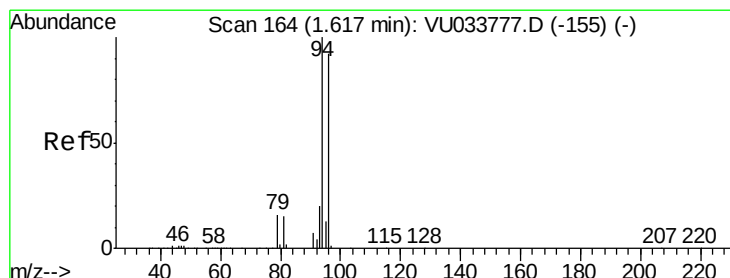
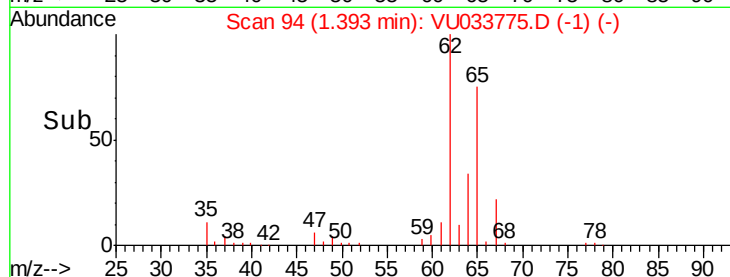
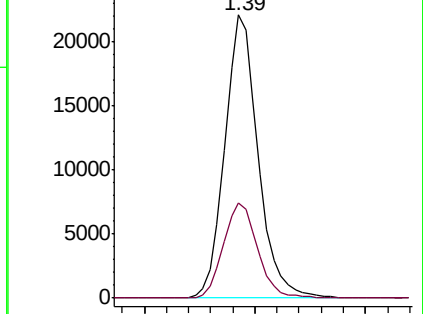
62 100

64 33.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU033777.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033777.D (-86) (-)



#6

Bromomethane

Concen: 4.444 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033775.D

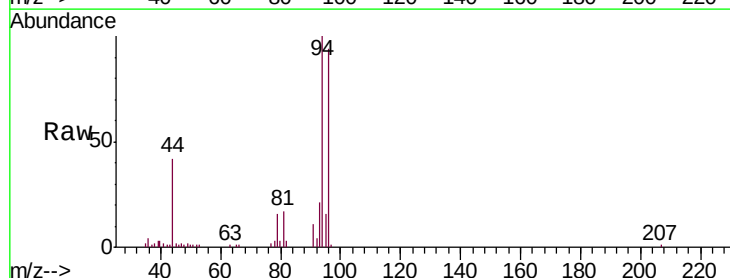
Acq: 13 Aug 2019 09:20

Tgt Ion: 94 Resp: 15056

Ion Ratio Lower Upper

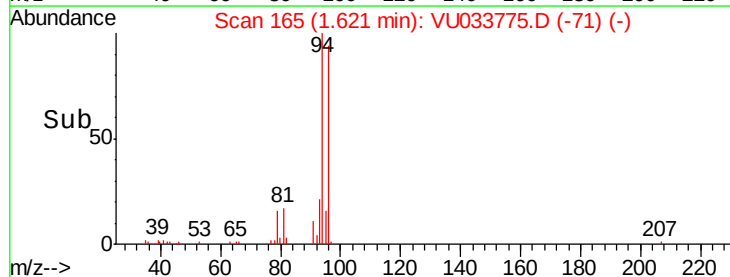
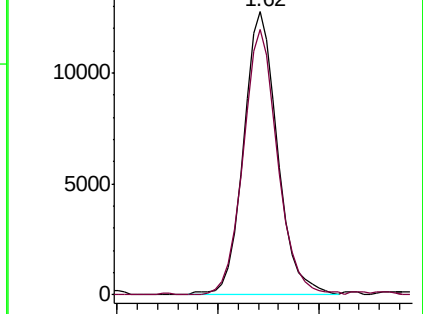
94 100

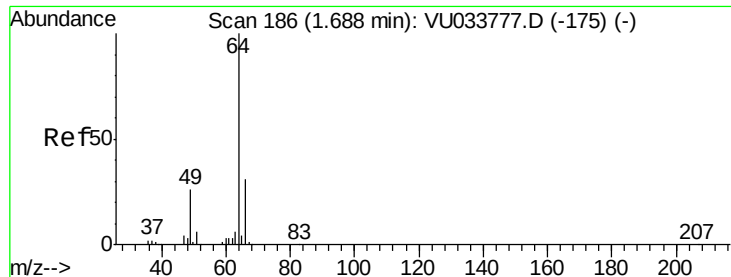
96 94.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU033777.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033777.D (-155) (-)





#8

Chloroethane

Concen: 5.354 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

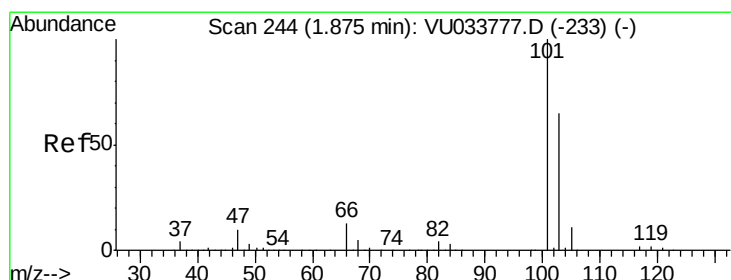
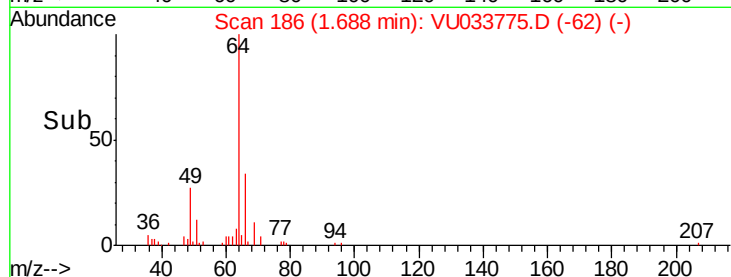
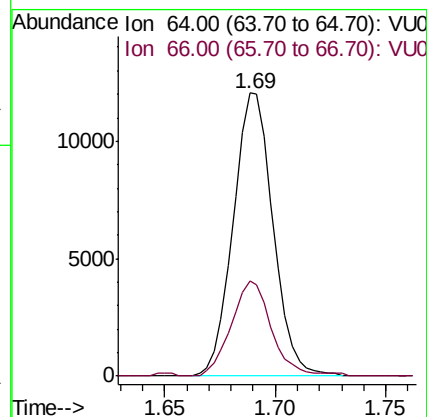
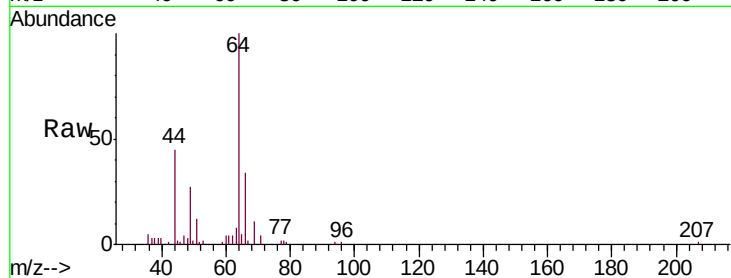
VSTD00533

Tgt Ion: 64 Resp: 15140

Ion Ratio Lower Upper

64 100

66 33.5 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.902 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033775.D

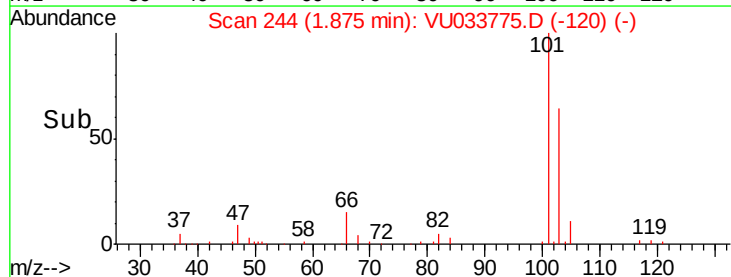
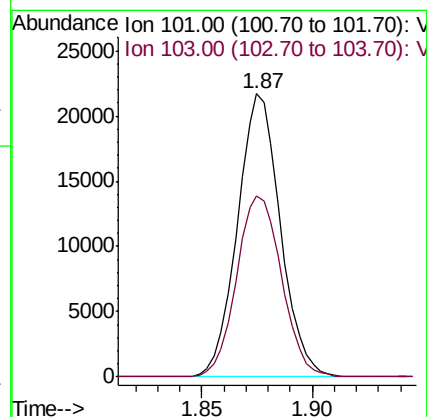
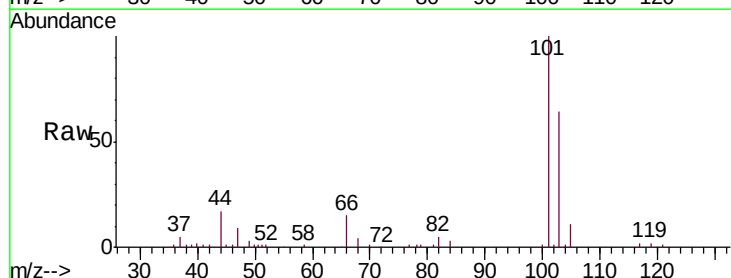
Acq: 13 Aug 2019 09:20

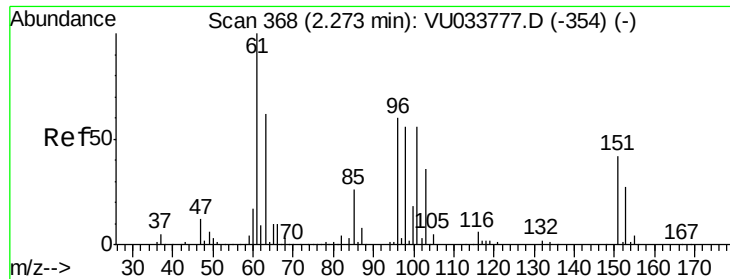
Tgt Ion: 101 Resp: 29316

Ion Ratio Lower Upper

101 100

103 66.8 52.2 78.4





#10

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

Concen: 4.781 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

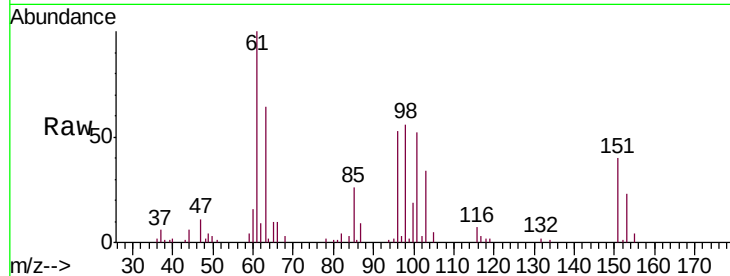
Tgt Ion:101 Resp: 14286

Ion Ratio Lower Upper

101 100

85 46.7 35.2 52.8

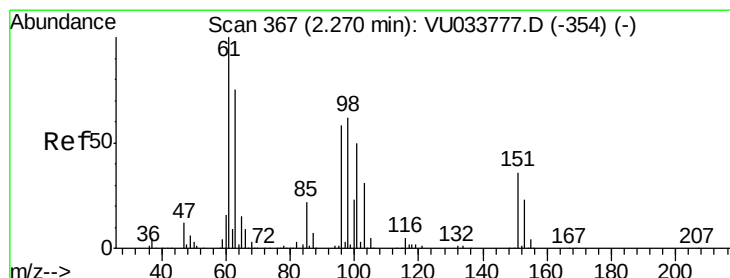
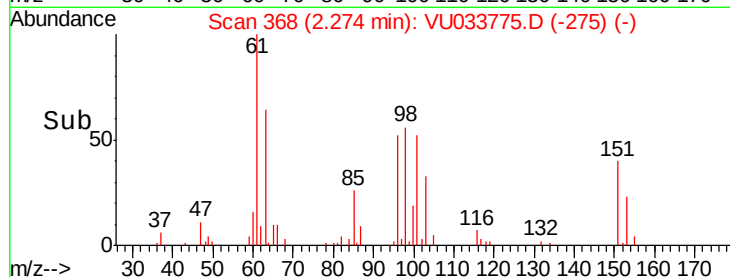
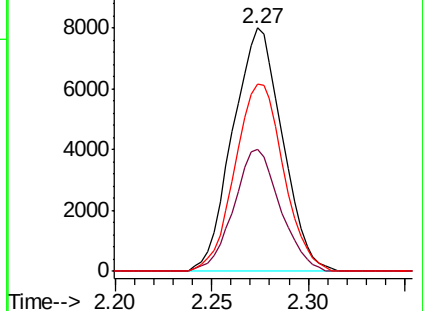
151 75.6 58.5 87.7



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: 4.834 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

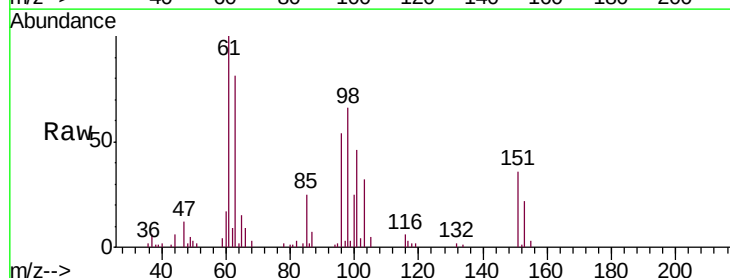
Tgt Ion: 96 Resp: 13993

Ion Ratio Lower Upper

96 100

61 185.2 121.5 225.7

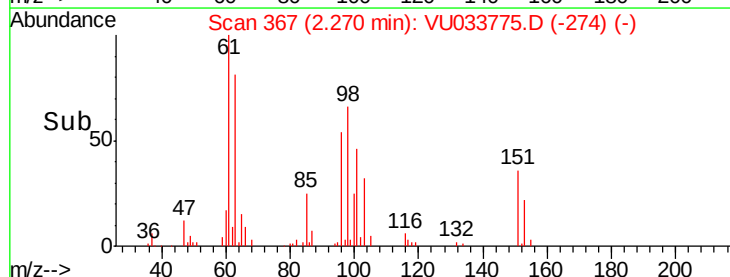
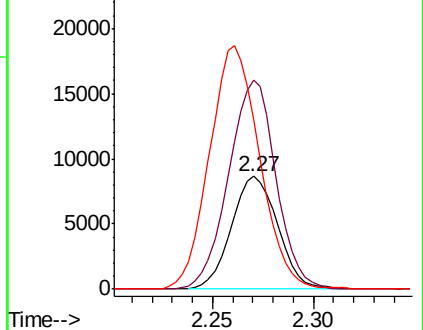
63 149.9 92.9 172.5

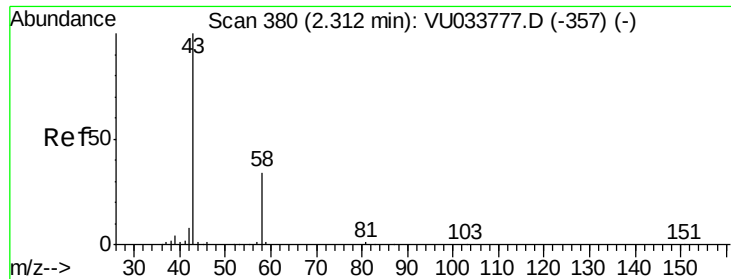


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.530 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033775.D

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Instrument :

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ClientSampleId :

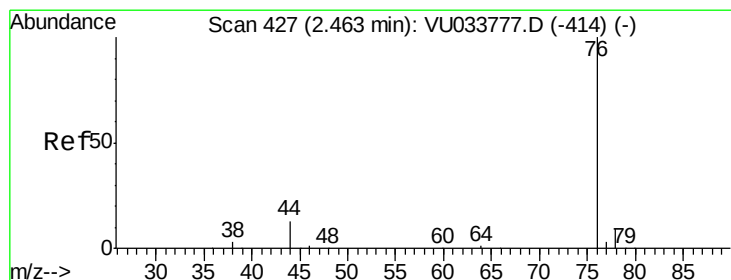
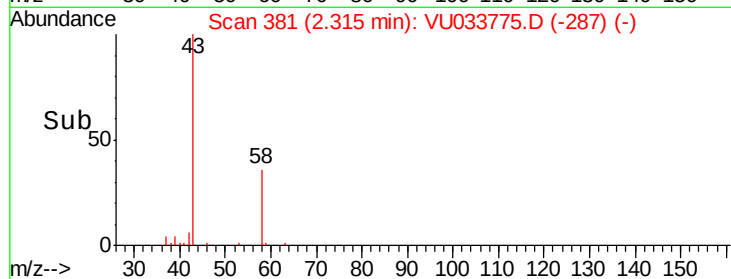
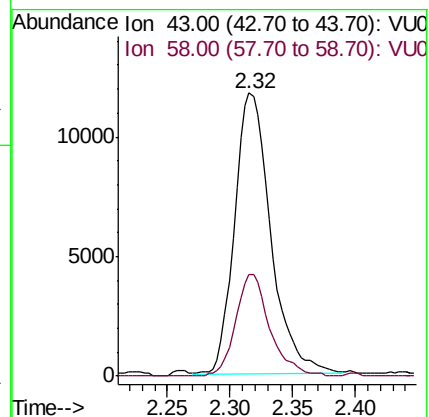
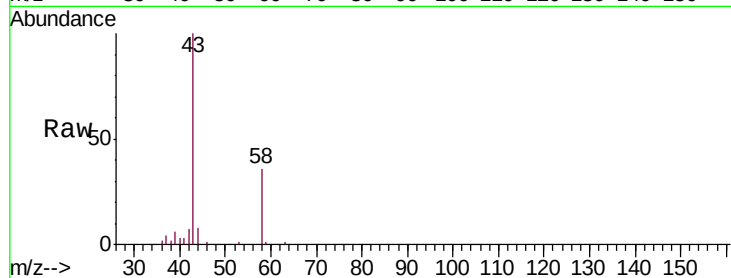
VSTD00533

Tgt Ion: 43 Resp: 23656

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.8



#14

Carbon disulfide

Concen: 5.224 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033775.D

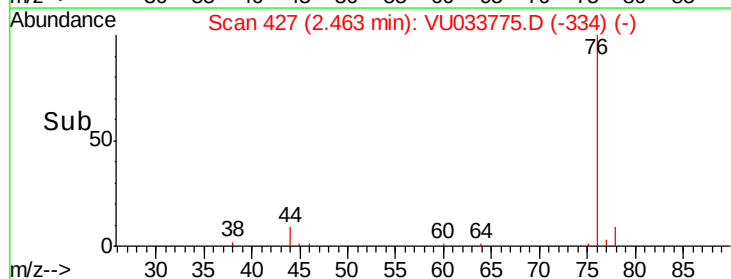
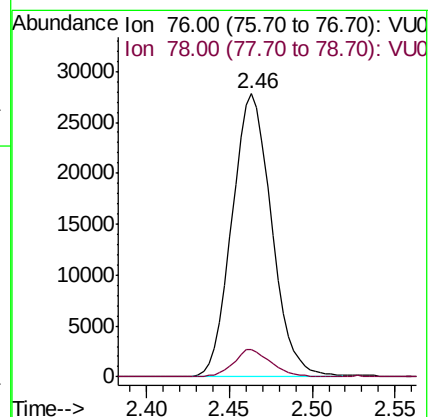
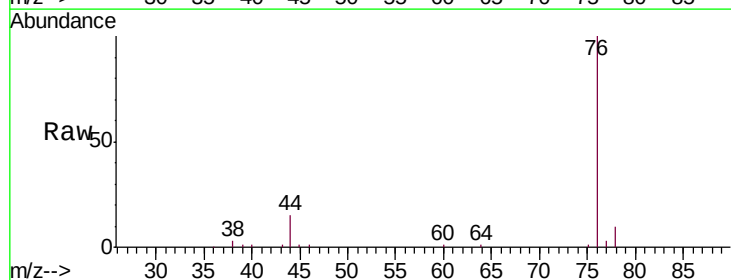
Acq: 13 Aug 2019 09:20

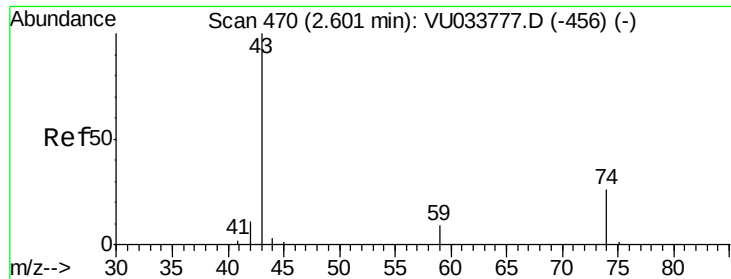
Tgt Ion: 76 Resp: 46201

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9





#15

Methyl Acetate

Concen: 5.108 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

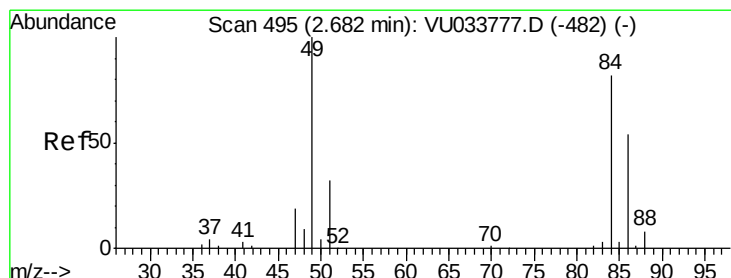
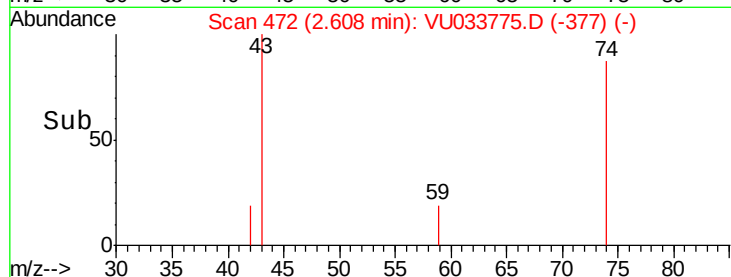
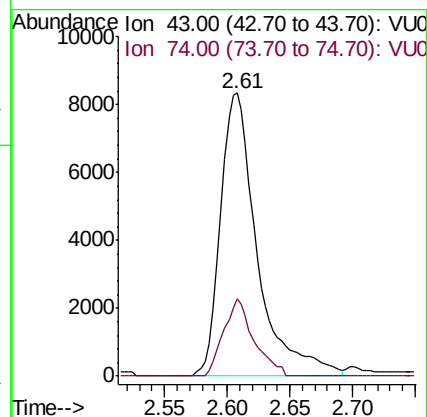
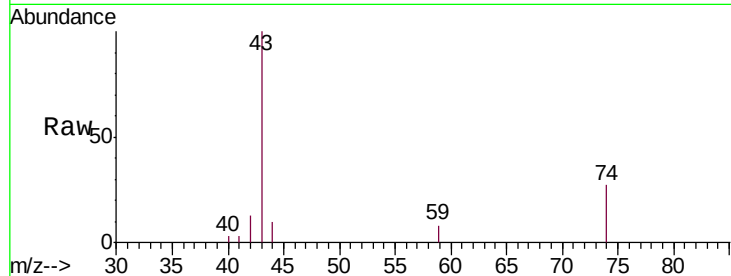
VSTD00533

Tgt Ion: 43 Resp: 17001

Ion Ratio Lower Upper

43 100

74 22.5 20.3 30.5



#16

Methylene chloride

Concen: 5.105 ug/L

RT: 2.69 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

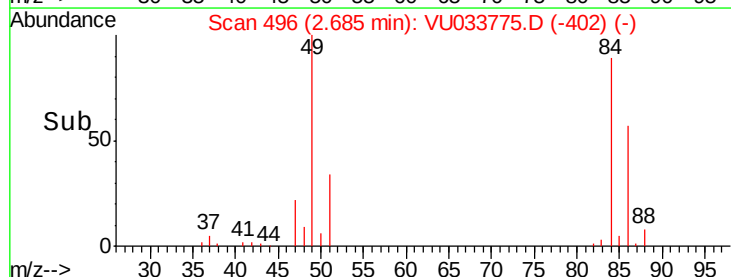
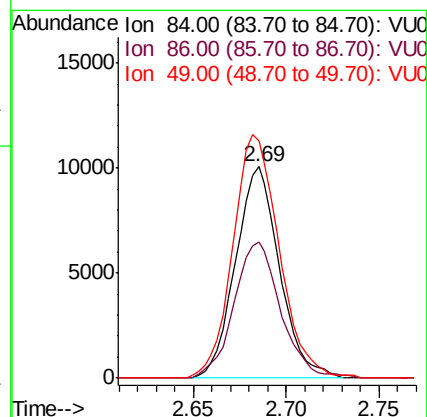
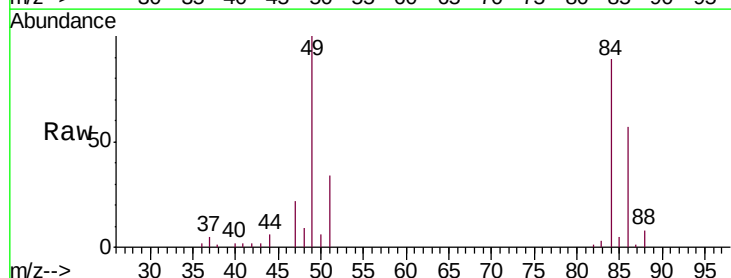
Tgt Ion: 84 Resp: 16564

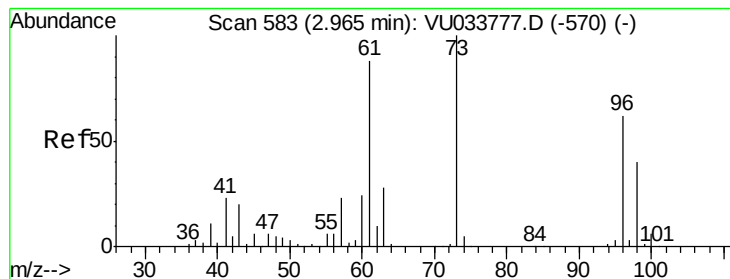
Ion Ratio Lower Upper

84 100

86 64.4 45.4 84.4

49 112.4 84.9 157.7





#17

trans-1,2-Dichloroethene

Concen: 4.918 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

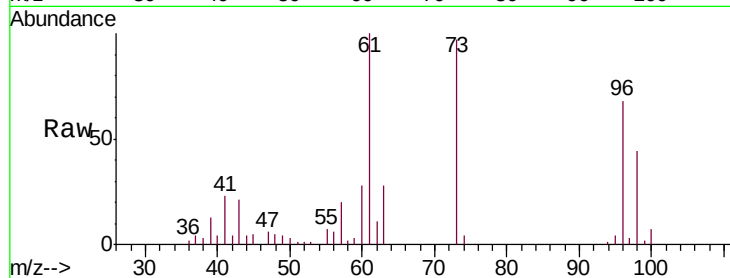
Tgt Ion: 96 Resp: 14501

Ion Ratio Lower Upper

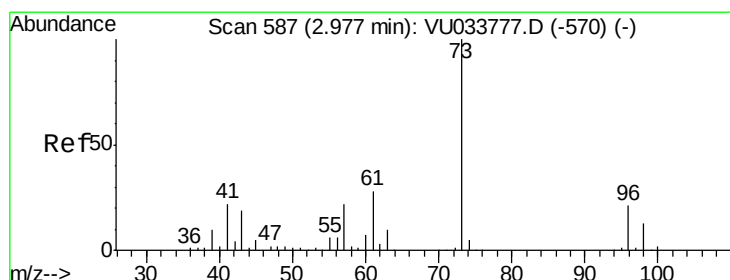
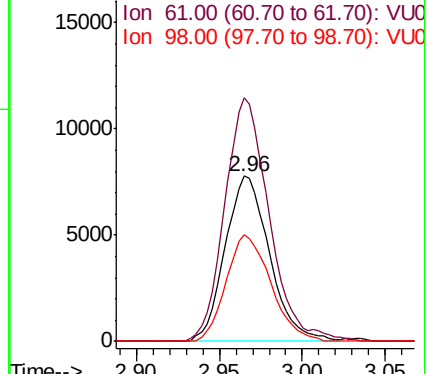
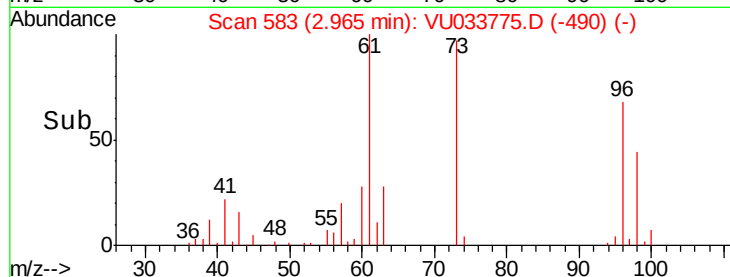
96 100

61 147.3 98.8 183.6

98 64.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033775.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 4.641 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

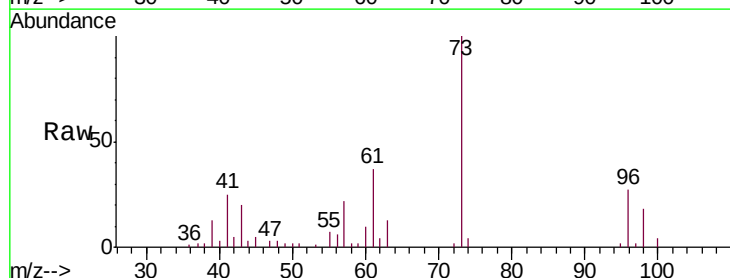
Tgt Ion: 73 Resp: 40177

Ion Ratio Lower Upper

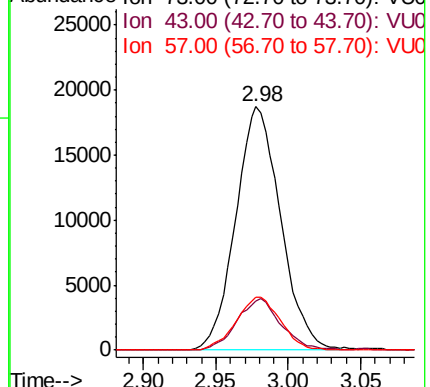
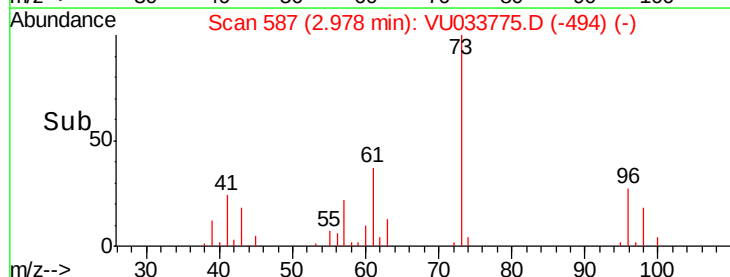
73 100

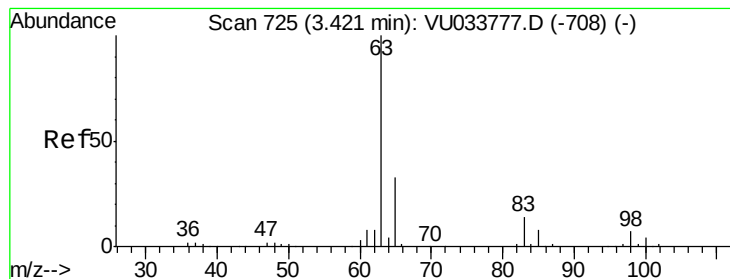
43 20.6 15.4 23.2

57 21.5 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VU033775.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 5.248 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

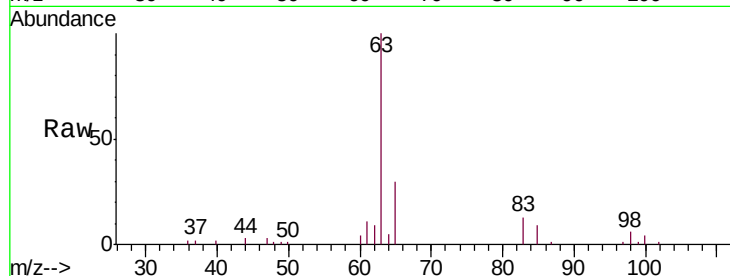
Tgt Ion: 63 Resp: 29035

Ion Ratio Lower Upper

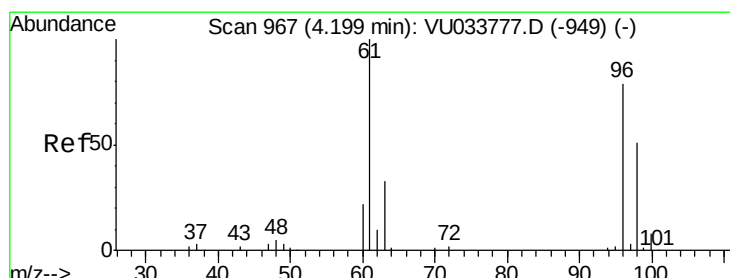
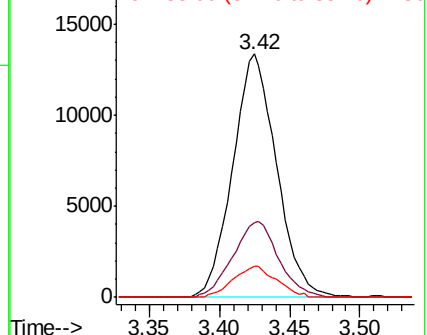
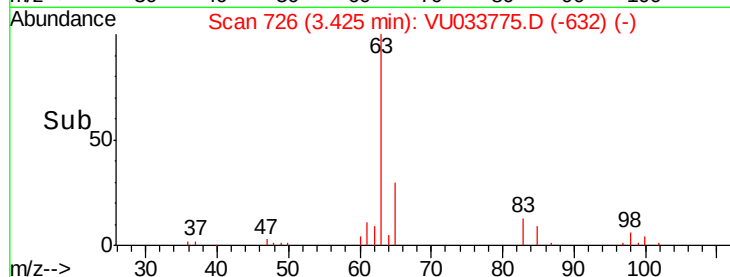
63 100

65 30.5 22.8 42.4

83 13.0 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033775.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.806 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

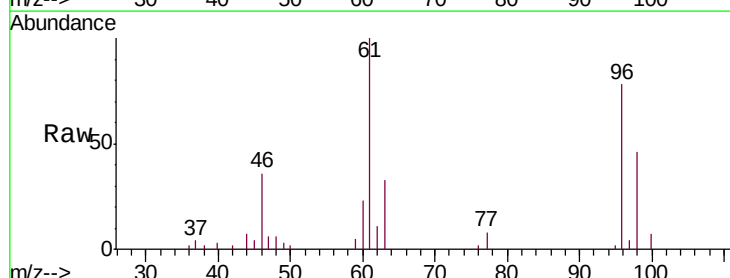
Tgt Ion: 96 Resp: 15560

Ion Ratio Lower Upper

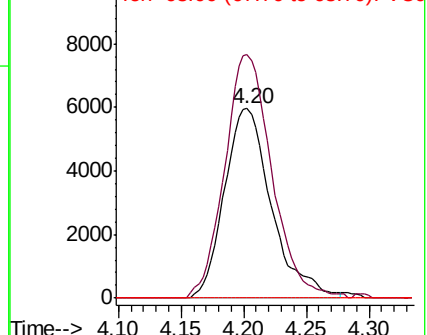
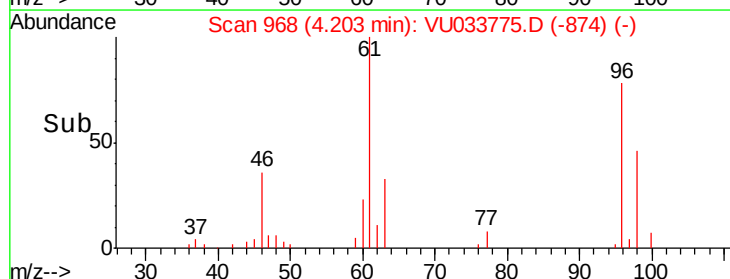
96 100

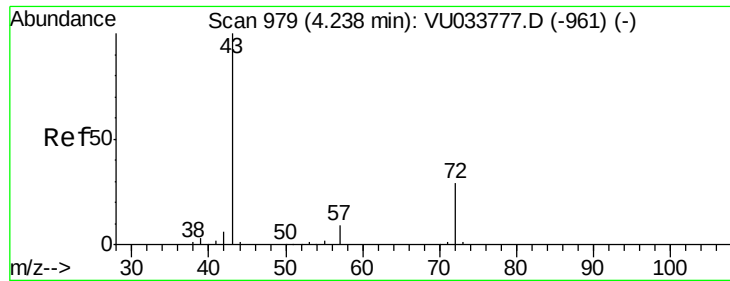
61 128.3 88.3 163.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033775.D (-874) (-)





#22

2-Butanone

Concen: 9.281 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.02 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

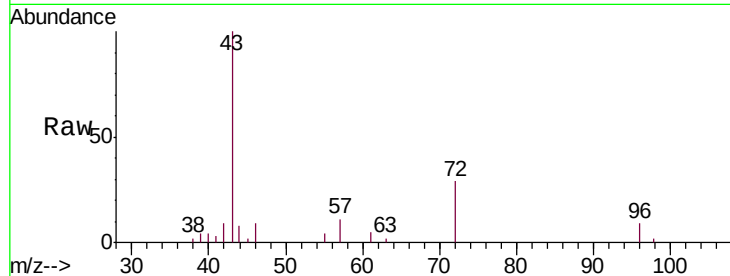
VSTD00533

Tgt Ion: 43 Resp: 22790

Ion Ratio Lower Upper

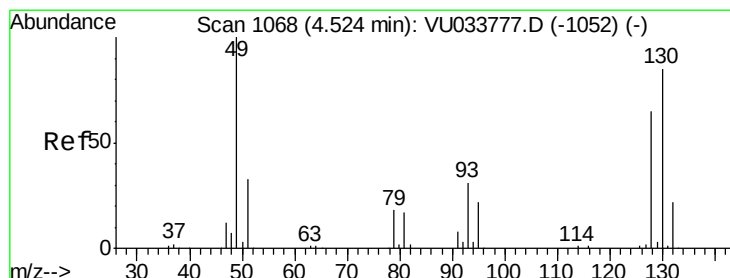
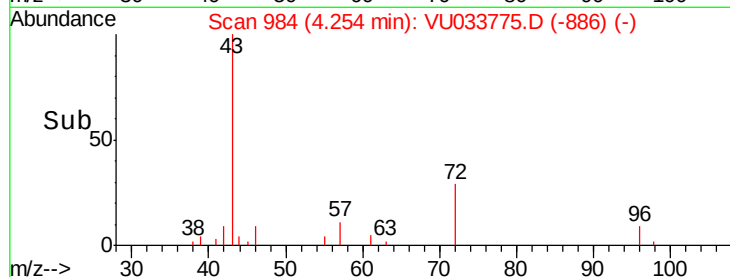
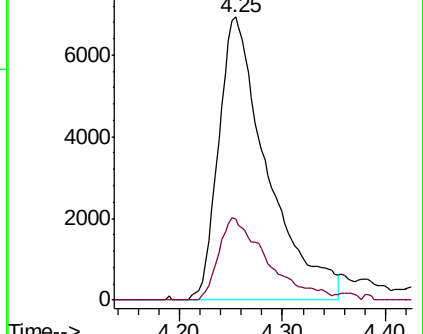
43 100

72 17.3 14.5 43.5



Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU033777.D (-961) (-)



#23

Bromochloromethane

Concen: 4.543 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Tgt Ion: 128 Resp: 7831

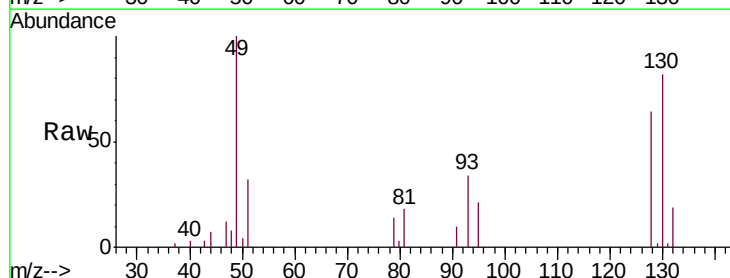
Ion Ratio Lower Upper

128 100

49 155.9 108.1 200.7

130 128.0 91.8 170.6

51 49.8 40.6 61.0

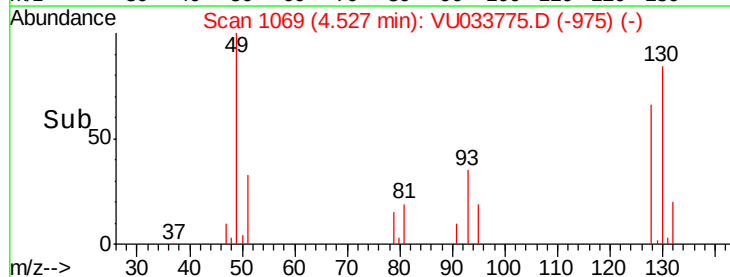
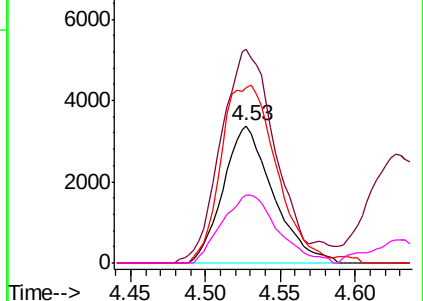


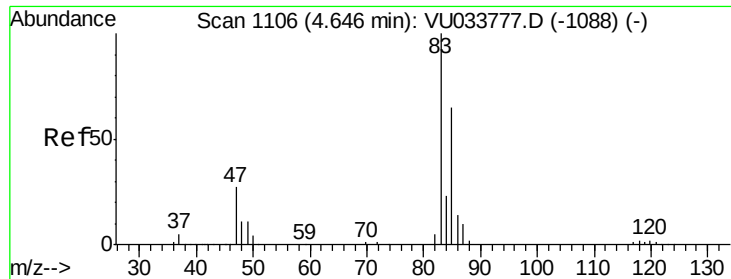
Abundance Ion 128.00 (127.70 to 128.70): VU033777.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033777.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033777.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033777.D (-1052) (-)

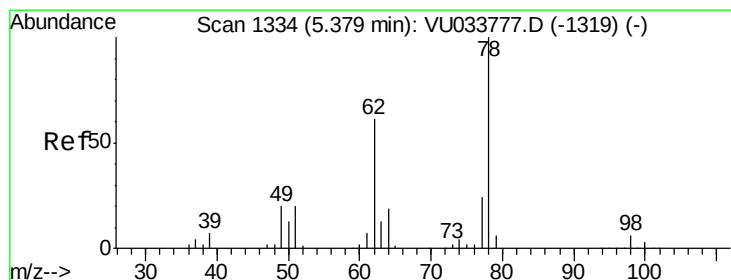
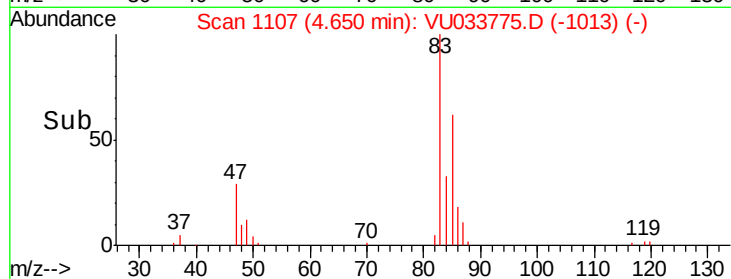
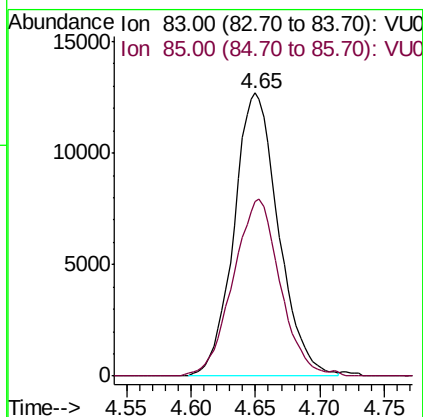
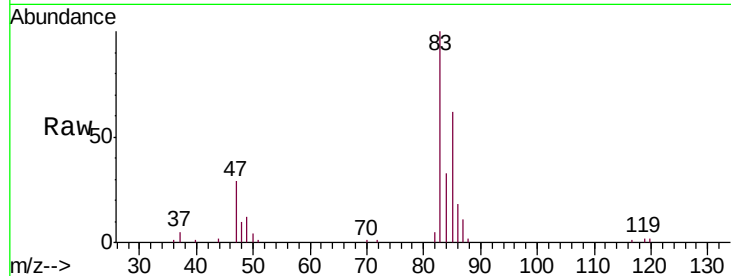




#25
Chloroform
Concen: 5.224 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

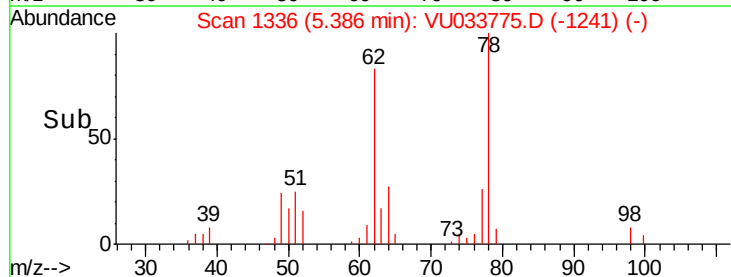
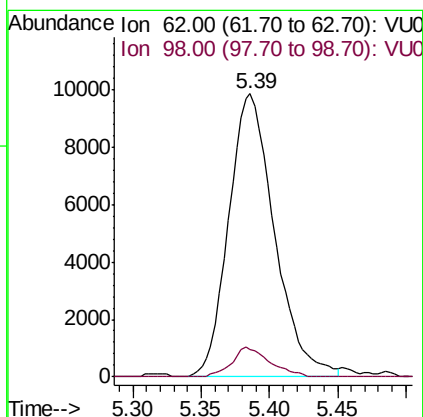
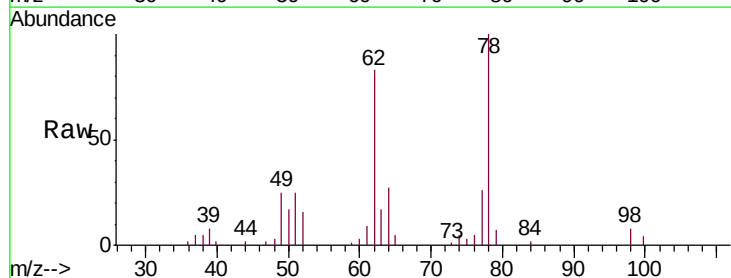
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

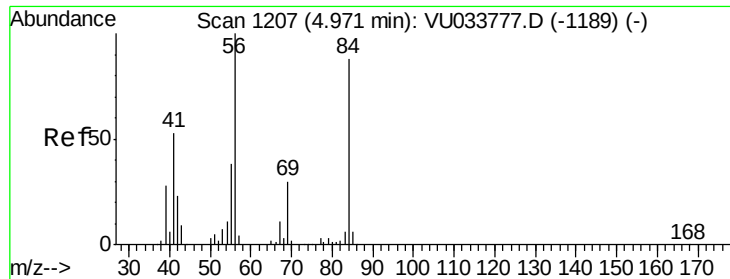
Tgt Ion: 83 Resp: 30516
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.054 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Tgt Ion: 62 Resp: 23018
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.0

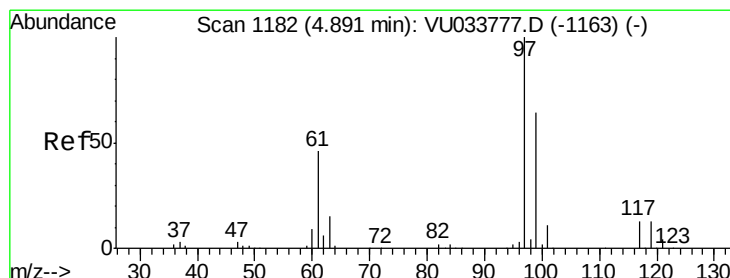
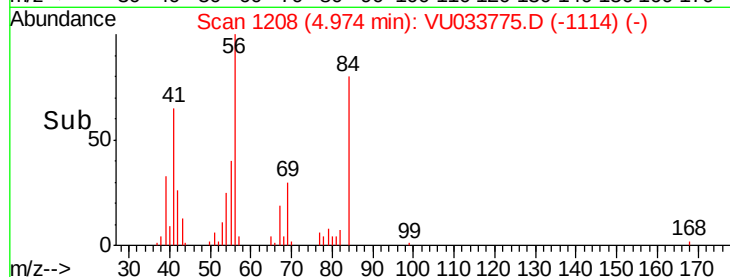
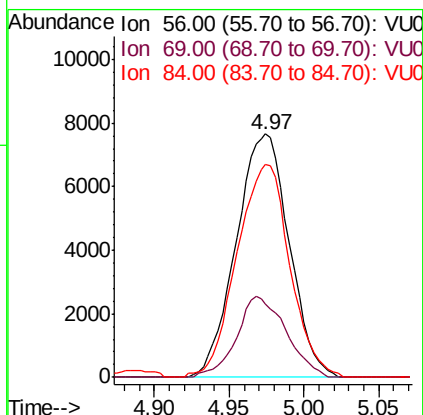
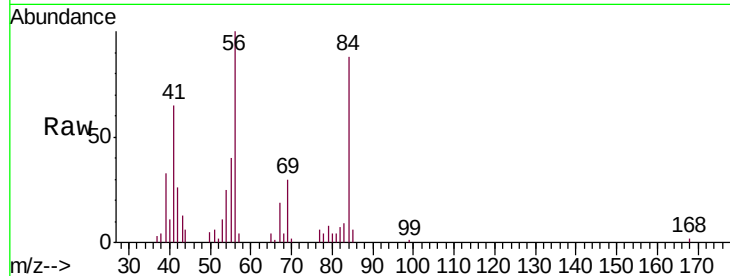




#29
Cyclohexane
Concen: 4.271 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

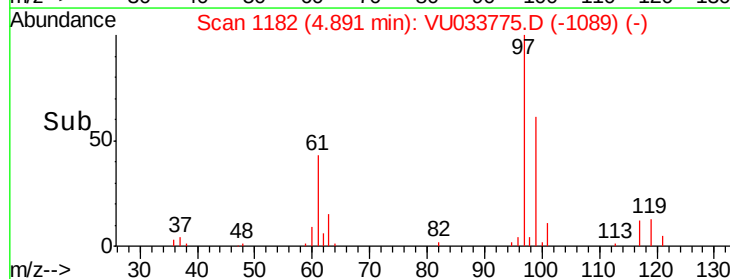
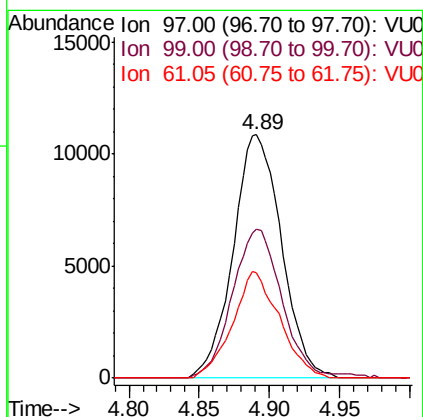
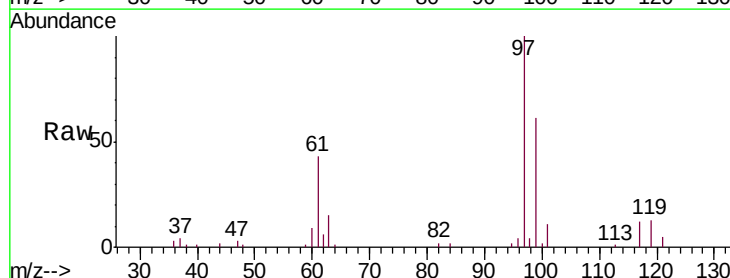
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

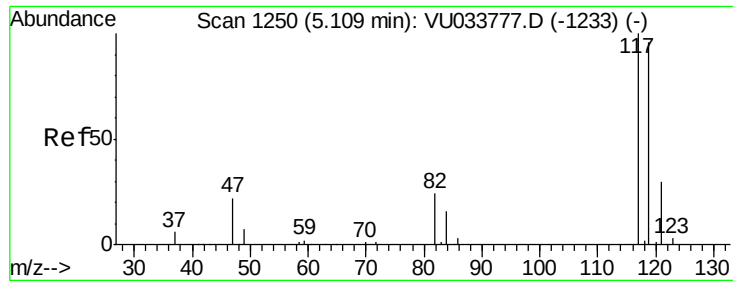
Tgt Ion: 56 Resp: 18832
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.4
84 87.5 70.3 105.5



#30
1,1,1-Trichloroethane
Concen: 5.439 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Tgt Ion: 97 Resp: 26052
Ion Ratio Lower Upper
97 100
99 62.3 50.9 76.3
61 42.4 36.6 54.8





#31

Carbon tetrachloride

Concen: 5.244 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

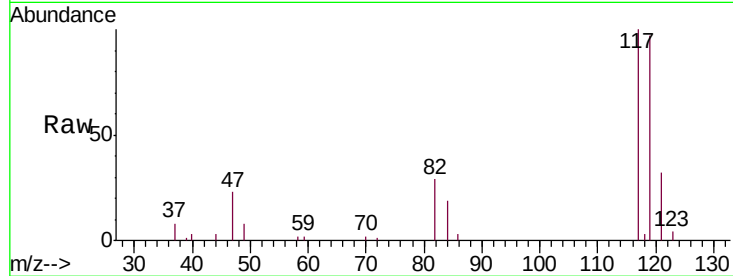
VSTD00533

Tgt Ion:117 Resp: 22344

Ion Ratio Lower Upper

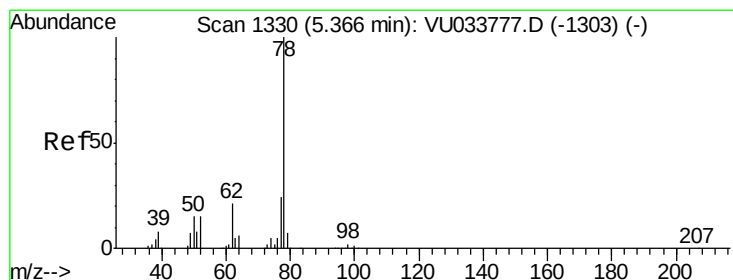
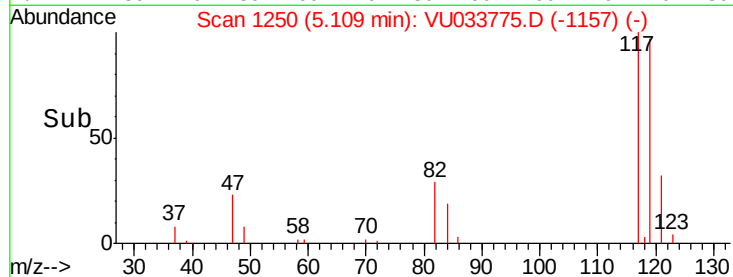
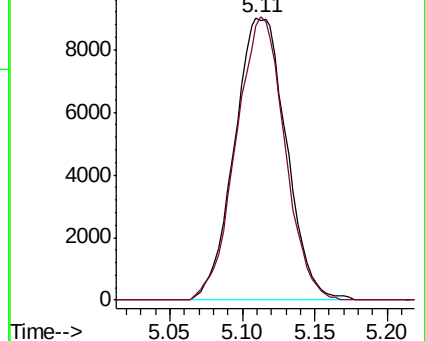
117 100

119 94.4 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.816 ug/L

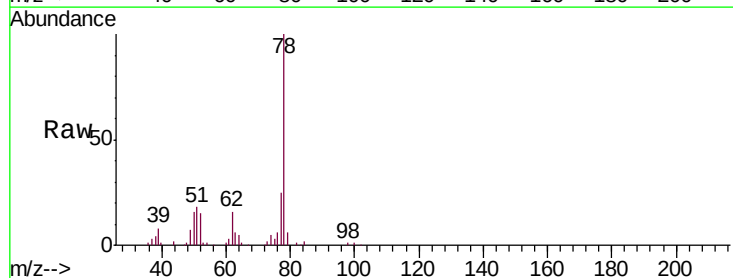
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

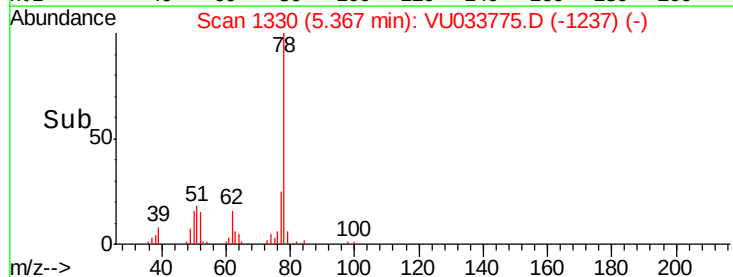
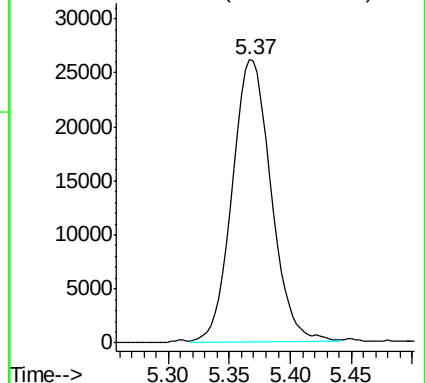
Lab File: VU033775.D

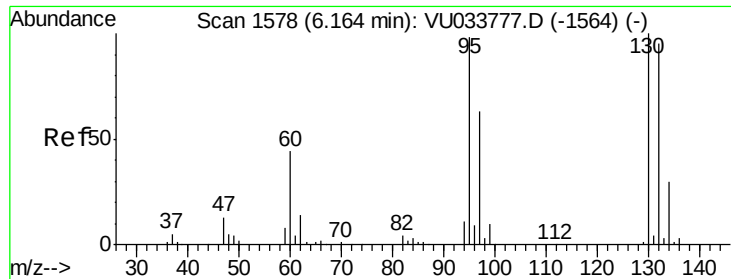
Acq: 13 Aug 2019 09:20

Tgt Ion: 78 Resp: 58083



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.260 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 16531

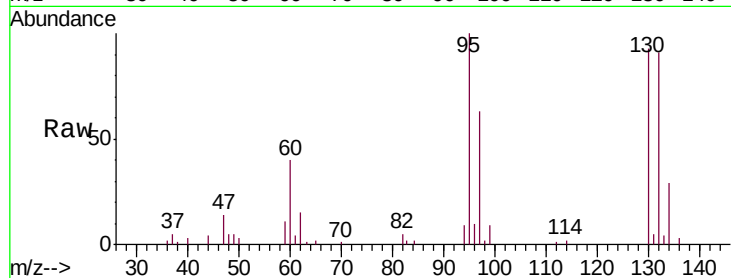
Ion Ratio Lower Upper

95 100

97 62.8 45.1 83.7

132 91.5 67.9 126.1

130 92.5 71.6 133.0

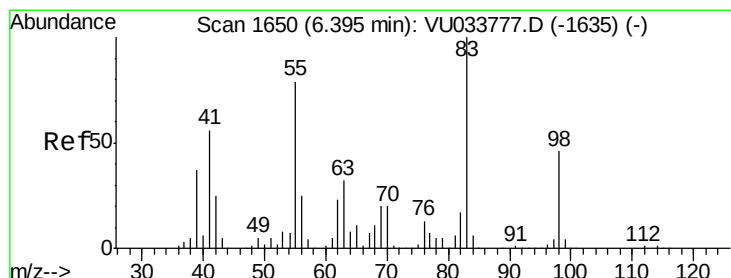
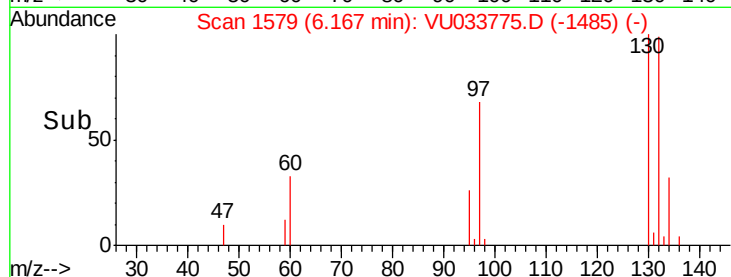
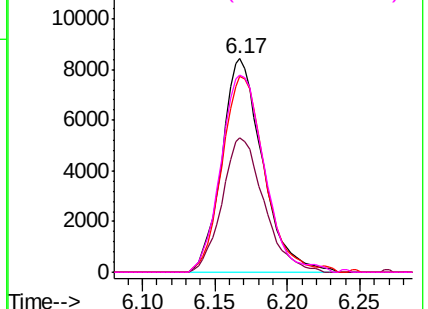


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.170 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

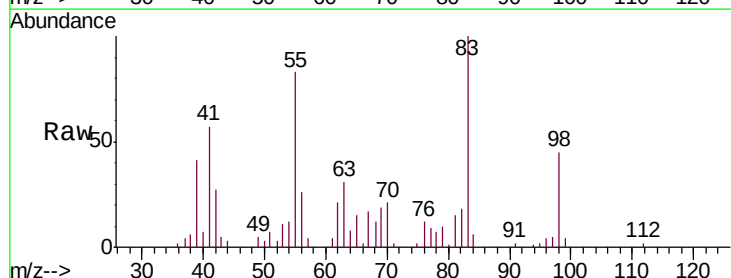
Tgt Ion: 83 Resp: 19997

Ion Ratio Lower Upper

83 100

55 82.2 62.2 93.4

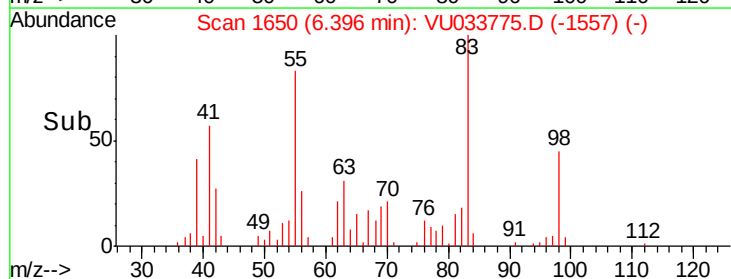
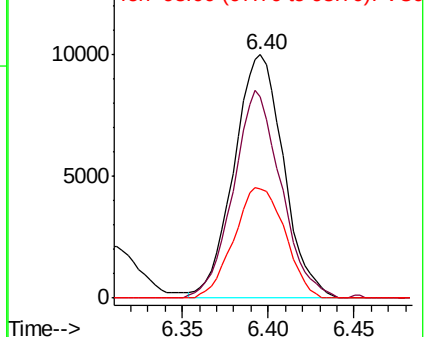
98 46.5 35.8 53.8

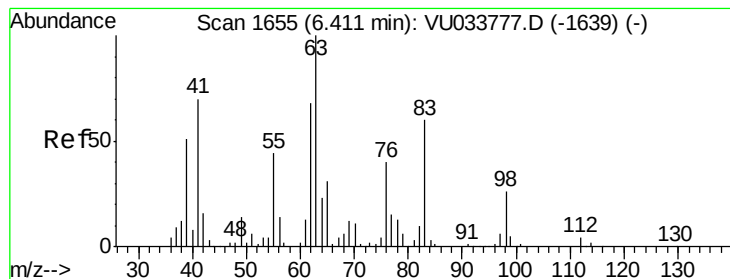


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.104 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

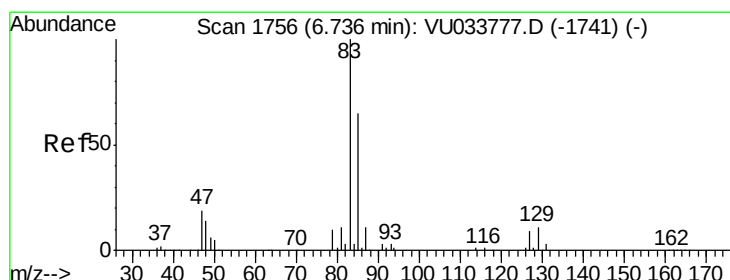
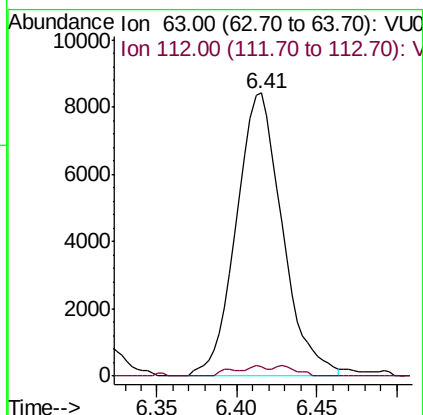
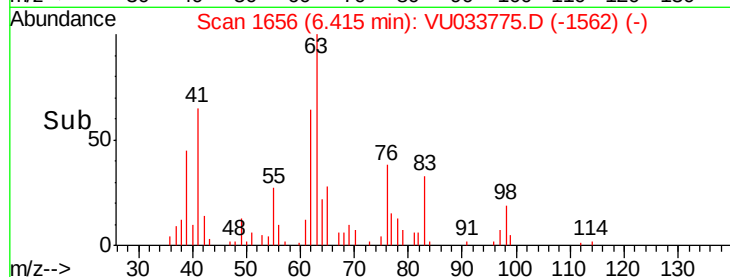
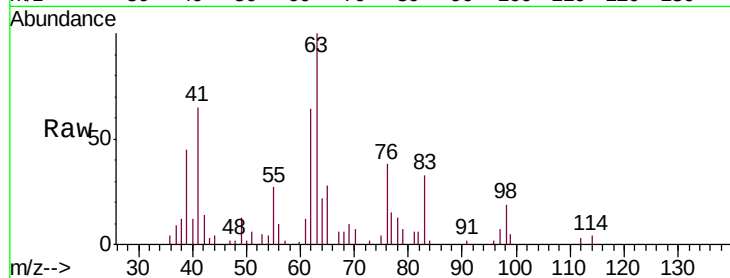
VSTD00533

Tgt Ion: 63 Resp: 16589

Ion Ratio Lower Upper

63 100

112 1.2 3.0 4.6#



#38

Bromodichloromethane

Concen: 5.099 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

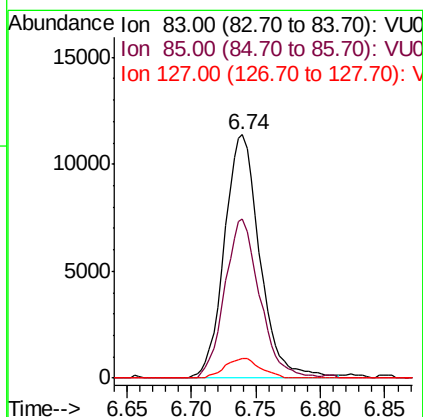
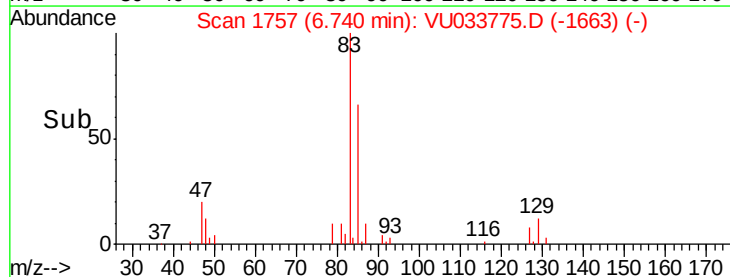
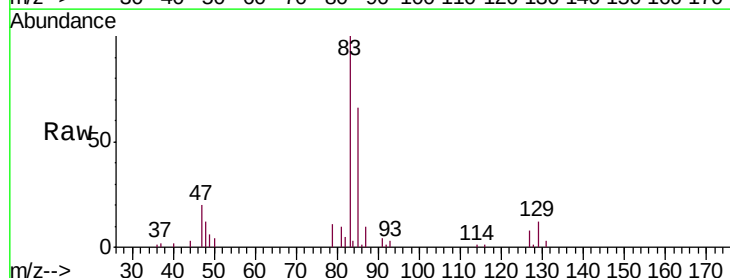
Tgt Ion: 83 Resp: 21741

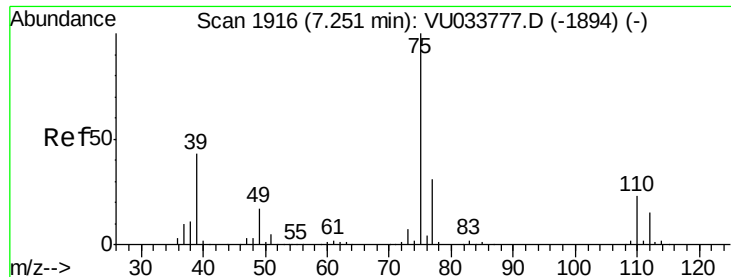
Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.0

127 8.1 7.4 11.0

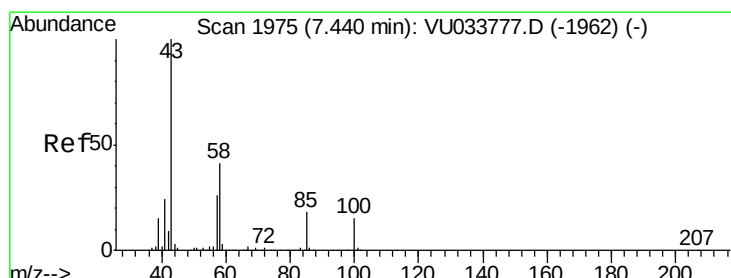
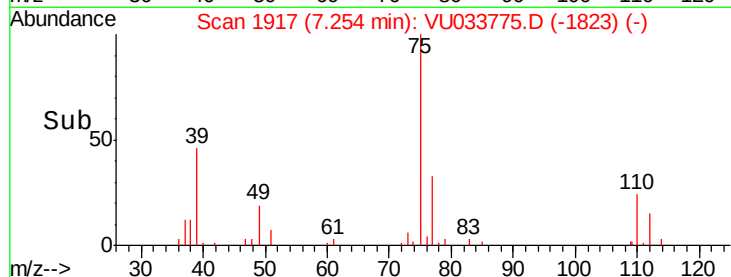
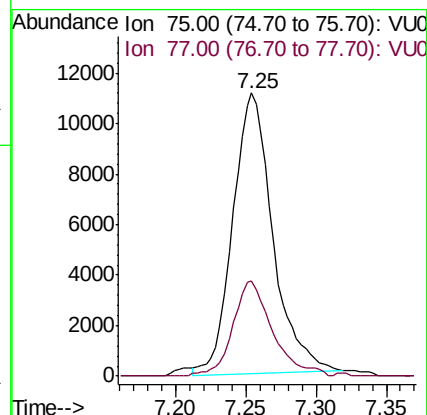
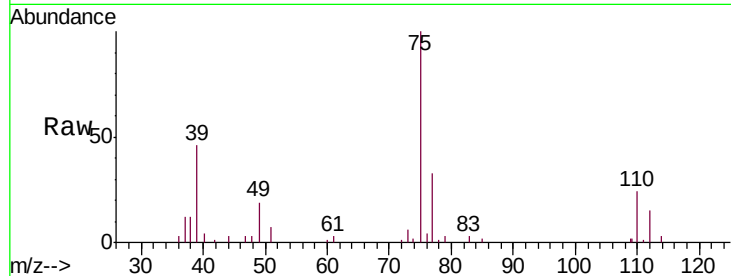




#39
 cis-1,3-Dichloropropene
 Concen: 4.568 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

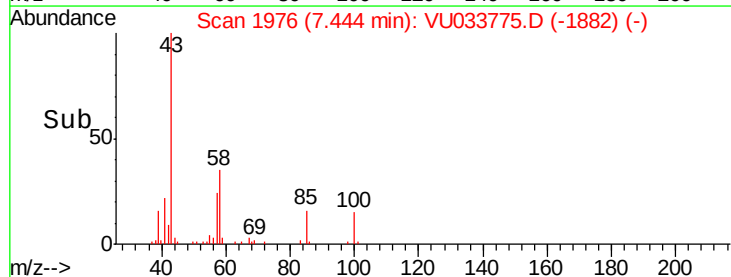
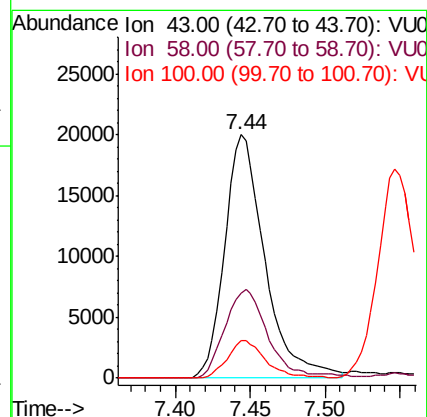
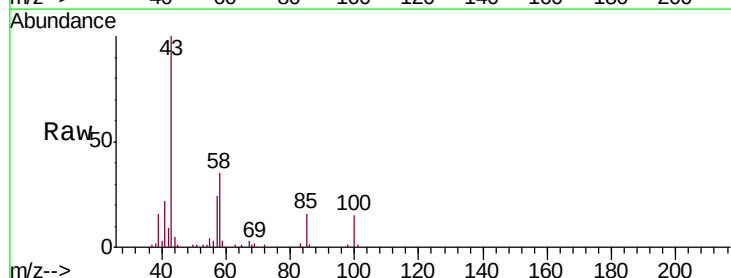
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

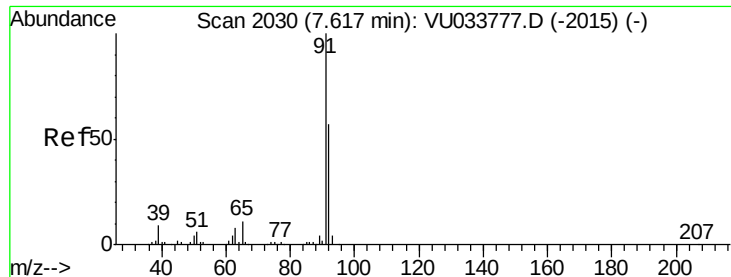
Tgt Ion: 75 Resp: 22049
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 8.829 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Tgt Ion: 43 Resp: 37405
 Ion Ratio Lower Upper
 43 100
 58 37.9 32.5 48.7
 100 14.6 12.2 18.2





#42

Toluene

Concen: 4.497 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

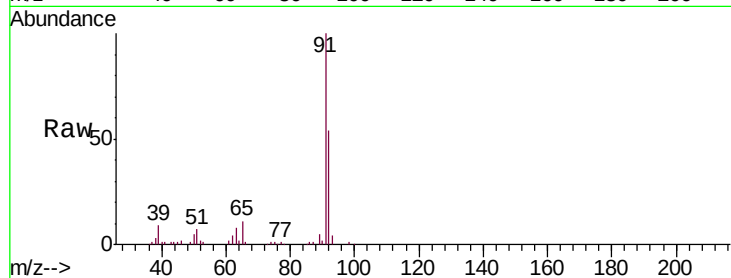
VSTD00533

Tgt Ion: 91 Resp: 58097

Ion Ratio Lower Upper

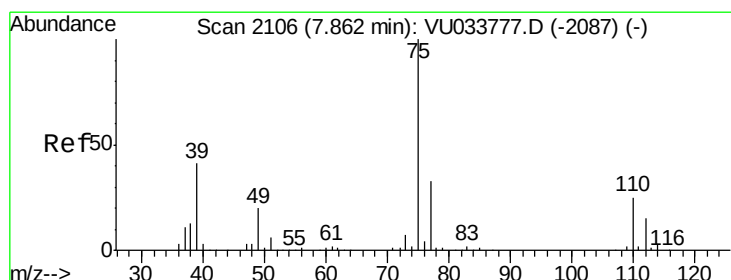
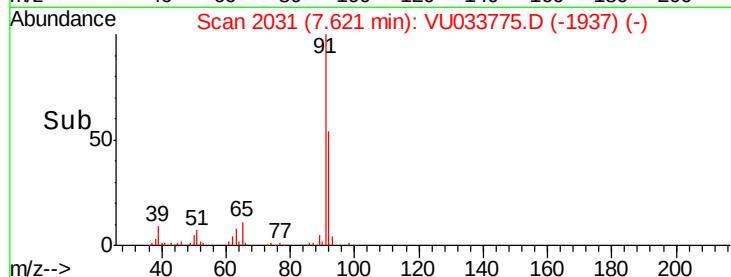
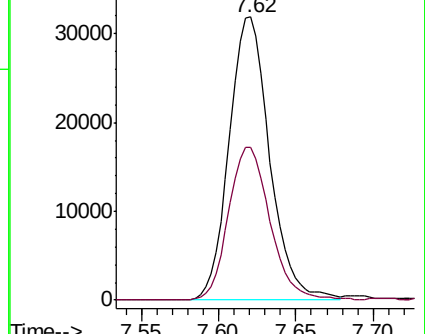
91 100

92 53.9 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VU033777.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033777.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.634 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033775.D

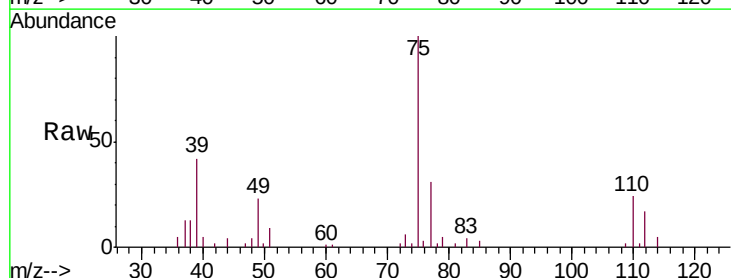
Acq: 13 Aug 2019 09:20

Tgt Ion: 75 Resp: 20329

Ion Ratio Lower Upper

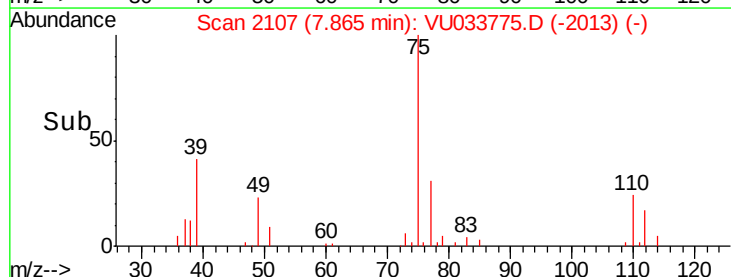
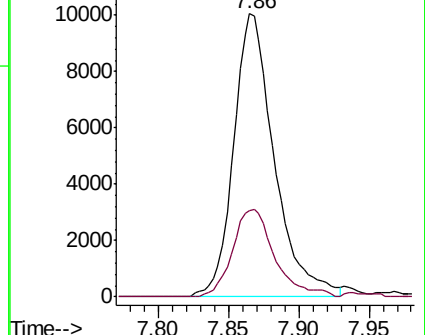
75 100

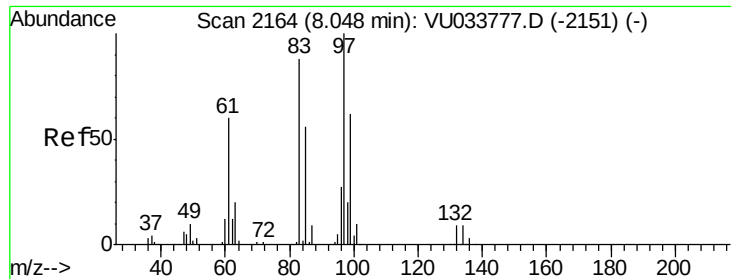
77 30.7 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VU033777.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU033777.D (-2087) (-)

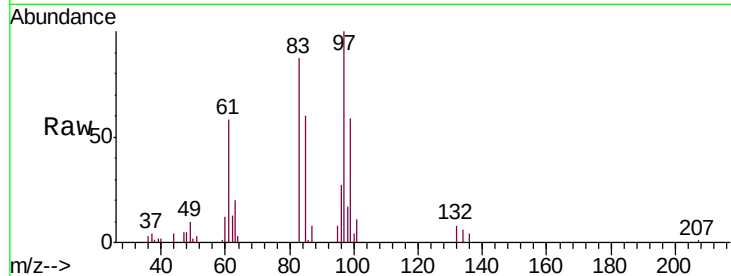




#45
 1,1,2-Trichloroethane
 Concen: 5.339 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion:	97	Resp:	16478
Ion	Ratio	Lower	Upper
97	100		
99	59.1	43.5	80.9
83	87.4	61.8	114.8
85	59.7	39.1	72.7



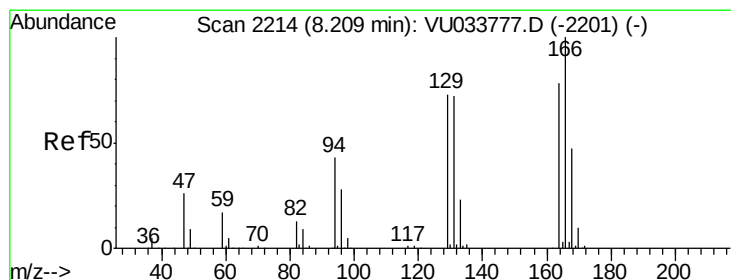
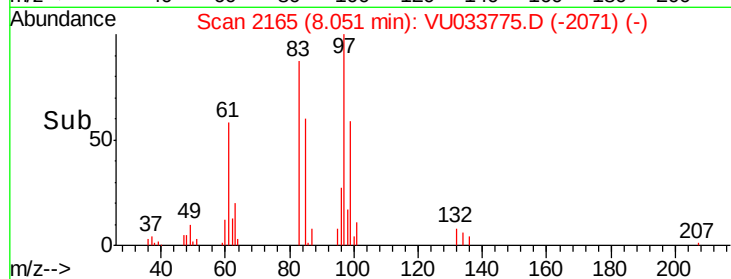
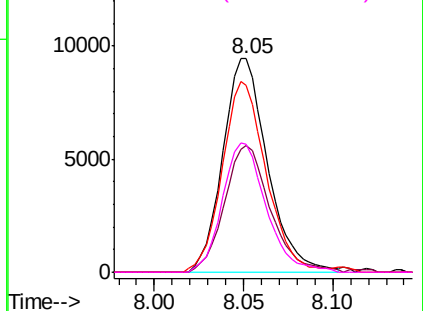
Abundance

Ion 97.00 (96.70 to 97.70): VU033777.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033777.D (-2151) (-)

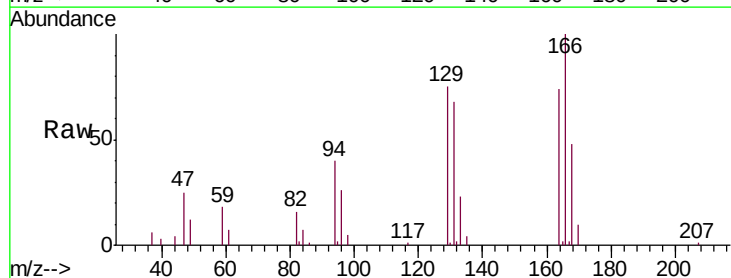
Ion 83.00 (82.70 to 83.70): VU033777.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 4.721 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Tgt Ion:	164	Resp:	12106
Ion	Ratio	Lower	Upper
164	100		
129	101.9	65.5	121.6
131	91.9	64.0	119.0
166	135.4	89.4	166.0



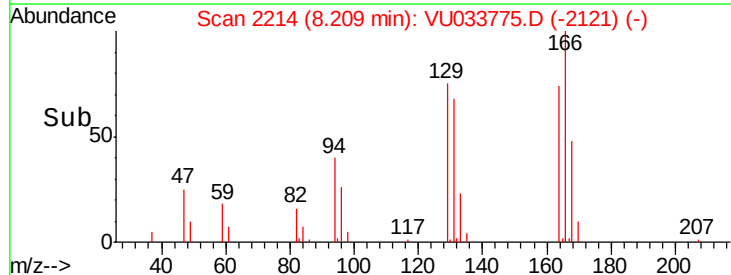
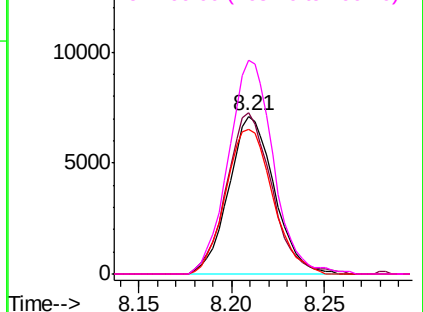
Abundance

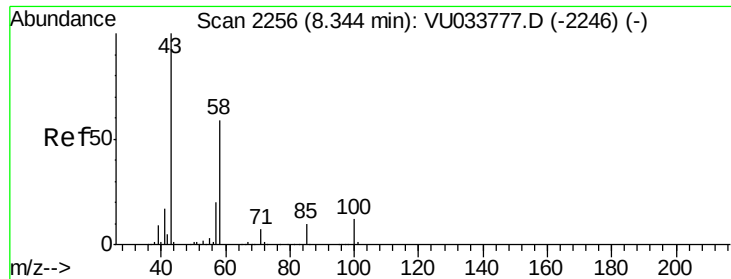
Ion 164.00 (163.70 to 164.70): VU033777.D (-2201) (-)

Ion 129.00 (128.70 to 129.70): VU033777.D (-2201) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2201) (-)

Ion 166.00 (165.70 to 166.70): VU033777.D (-2201) (-)

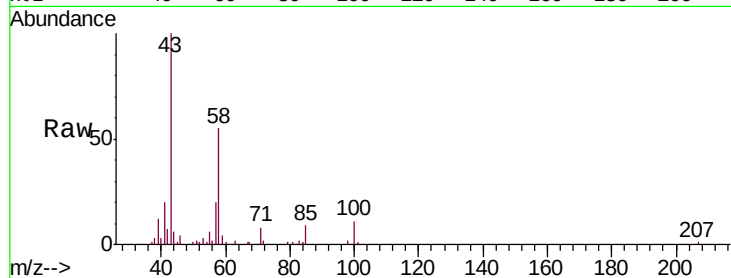




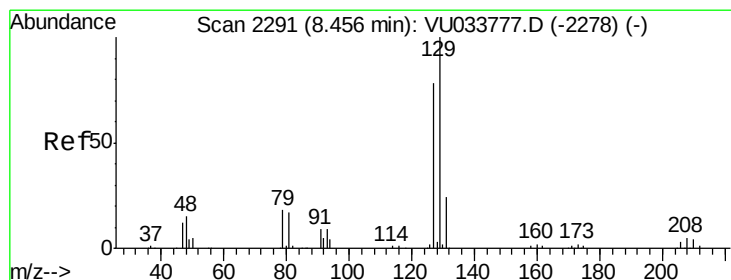
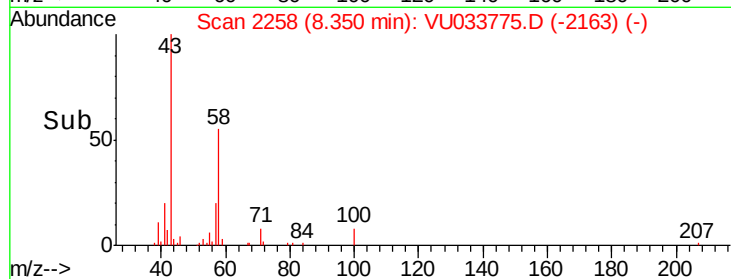
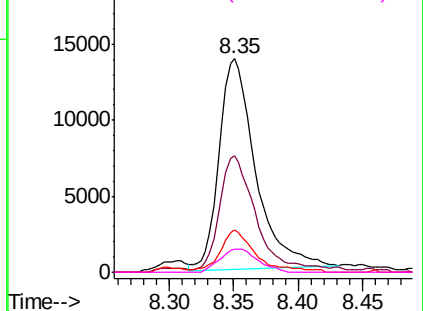
#48
2-Hexanone
Concen: 7.919 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion:	43	Resp:	27152
Ion	Ratio	Lower	Upper
43	100		
58	50.1	45.4	68.0
57	17.1	15.4	23.0
100	11.3	9.4	14.2

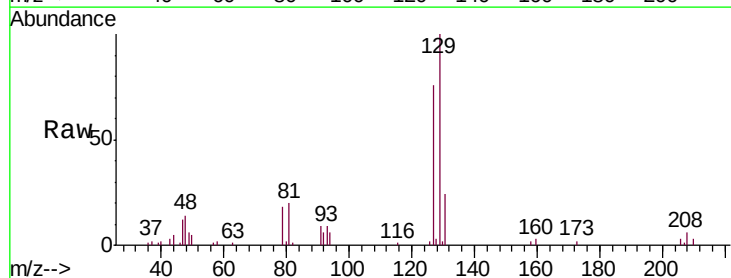


Abundance Ion 43.00 (42.70 to 43.70): VU033775.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033775.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033775.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033775.D (-2246) (-)

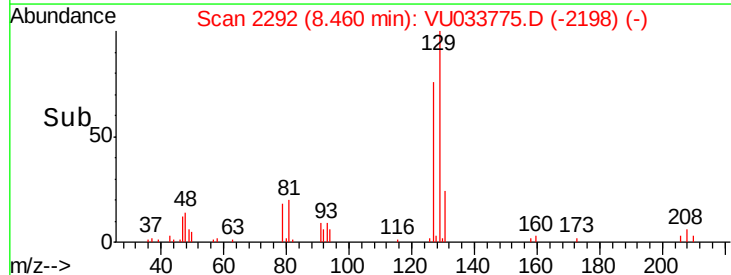
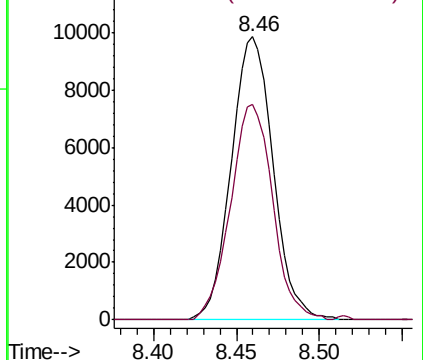


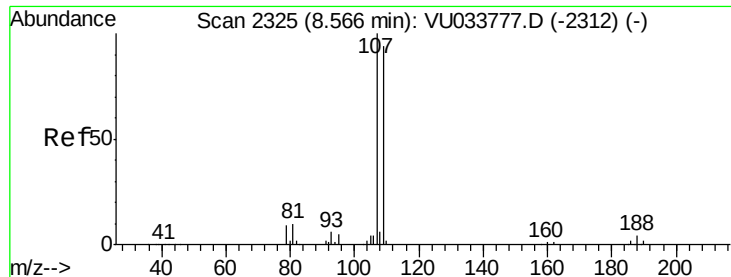
#49
Dibromochloromethane
Concen: 5.013 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Tgt Ion:	129	Resp:	17312
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VU033775.D (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033775.D (-2278) (-)





#50

1,2-Dibromoethane

Concen: 4.739 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

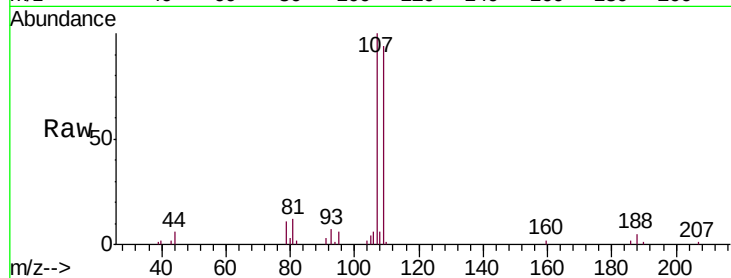
Tgt Ion:107 Resp: 15828

Ion Ratio Lower Upper

107 100

109 94.1 66.0 122.6

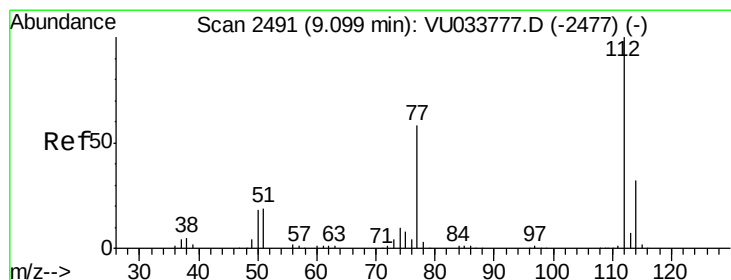
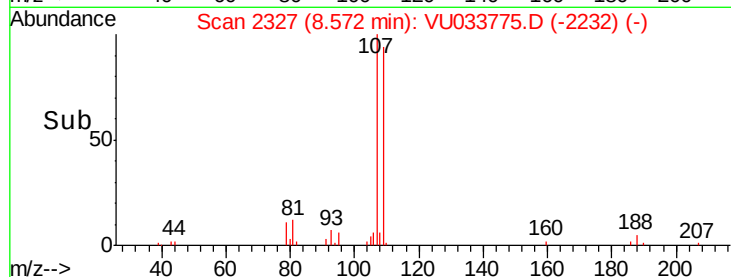
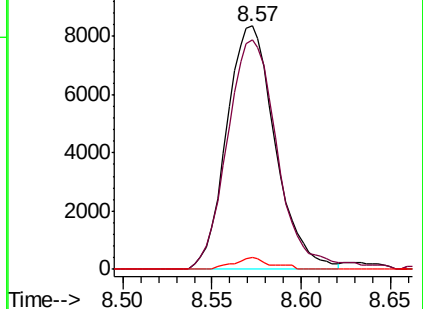
188 5.0 3.0 4.6#



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: 4.950 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

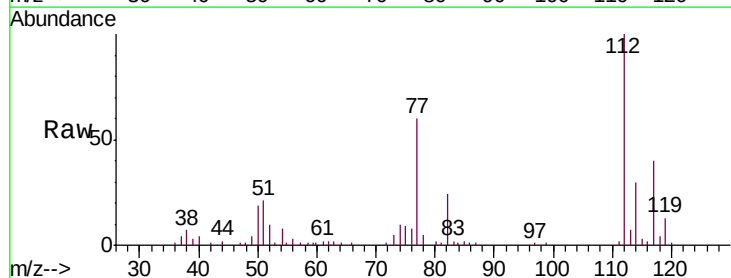
Tgt Ion:112 Resp: 42317

Ion Ratio Lower Upper

112 100

114 30.2 22.4 41.6

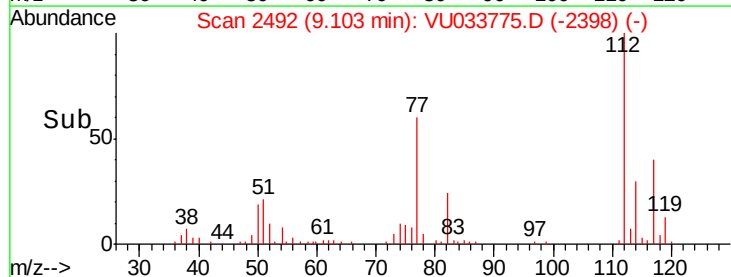
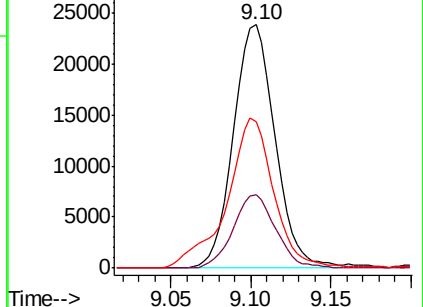
77 60.3 46.2 69.4

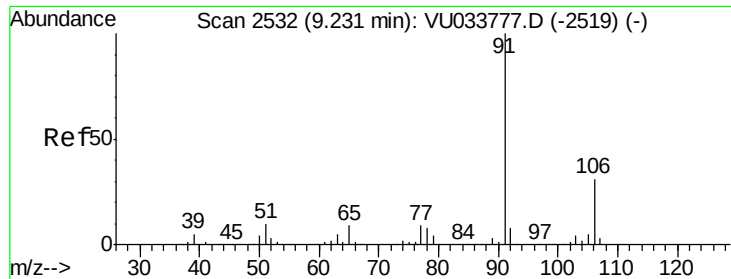


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 4.211 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

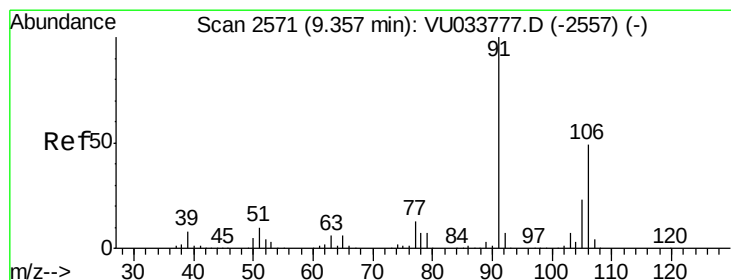
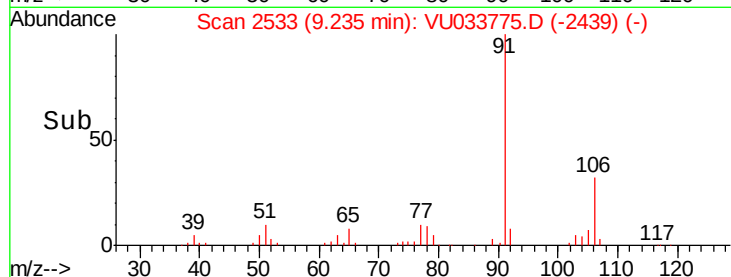
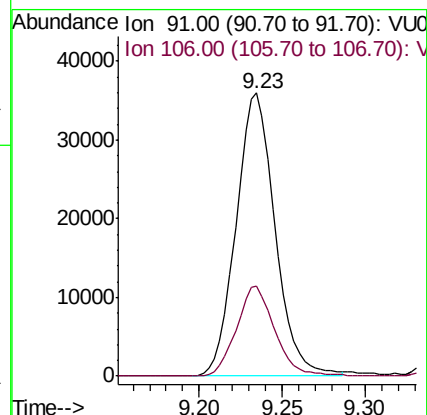
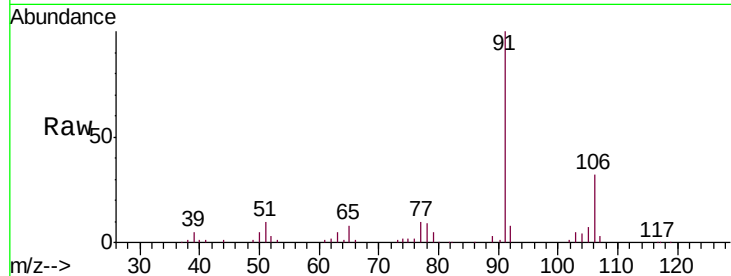
VSTD00533

Tgt Ion: 91 Resp: 58823

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#53

m,p-Xylene

Concen: 3.936 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033775.D

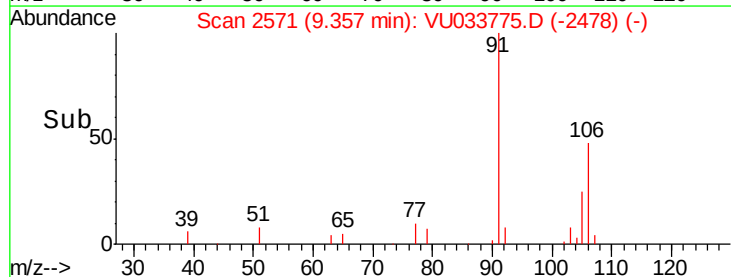
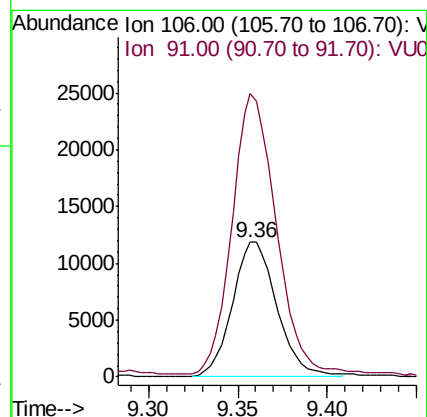
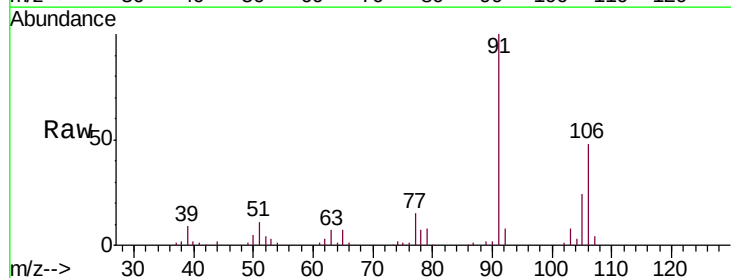
Acq: 13 Aug 2019 09:20

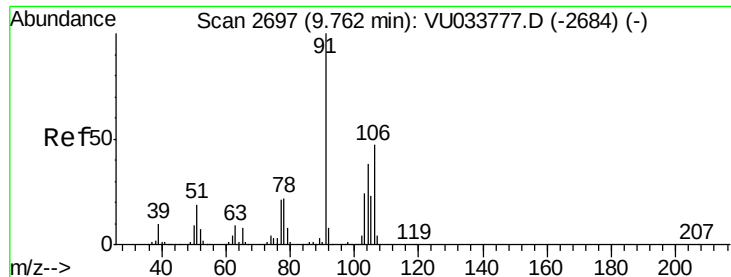
Tgt Ion: 106 Resp: 20690

Ion Ratio Lower Upper

106 100

91 210.2 142.1 263.9





#54

o-xylene

Concen: 3.965 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

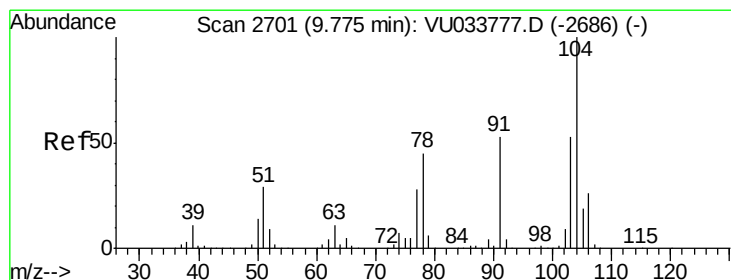
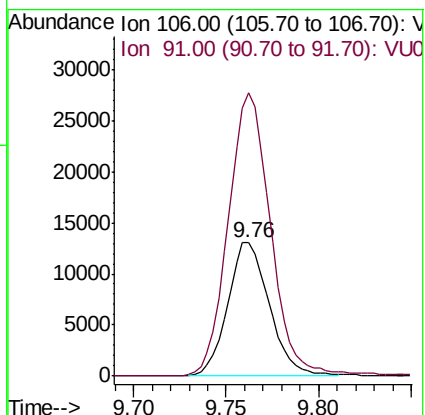
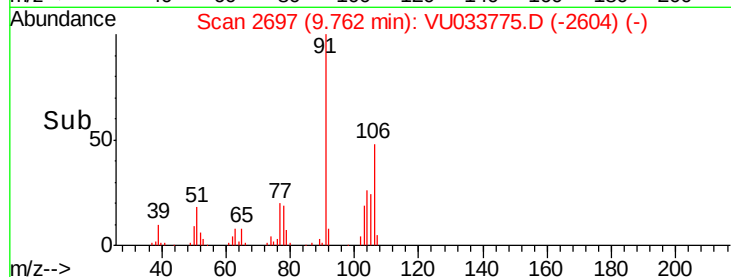
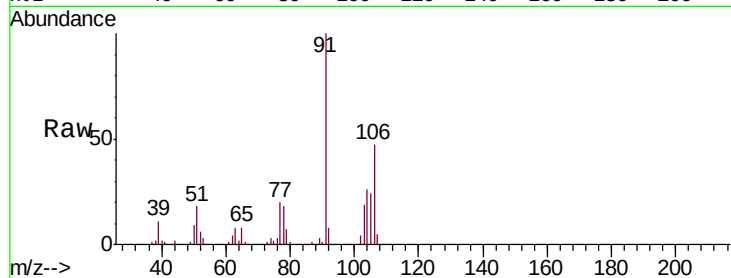
VSTD00533

Tgt Ion:106 Resp: 20431

Ion Ratio Lower Upper

106 100

91 212.0 150.4 279.4



#55

Styrene

Concen: 3.812 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033775.D

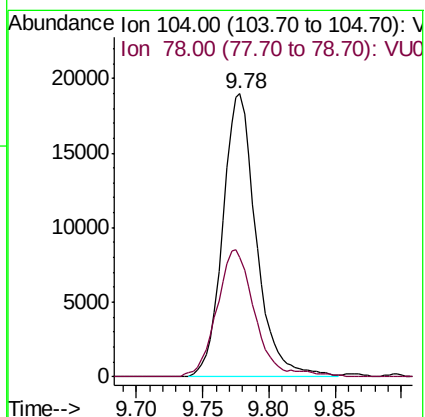
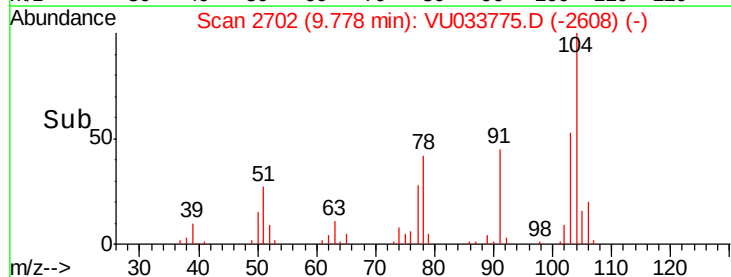
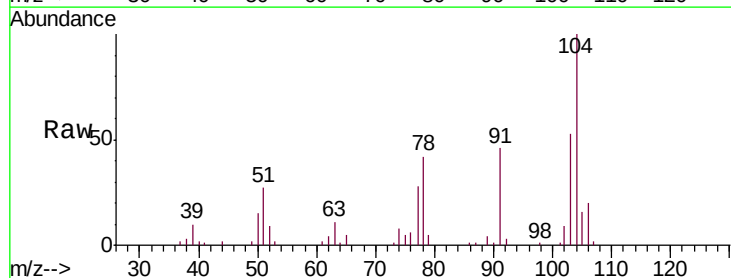
Acq: 13 Aug 2019 09:20

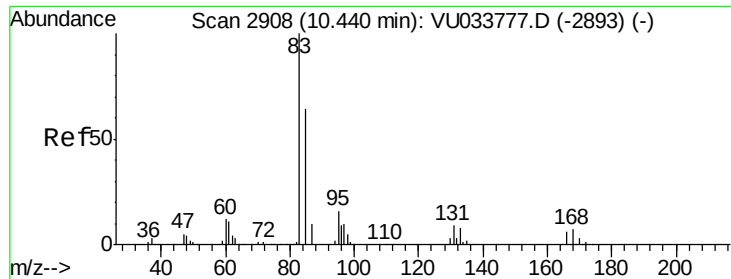
Tgt Ion:104 Resp: 33367

Ion Ratio Lower Upper

104 100

78 42.1 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

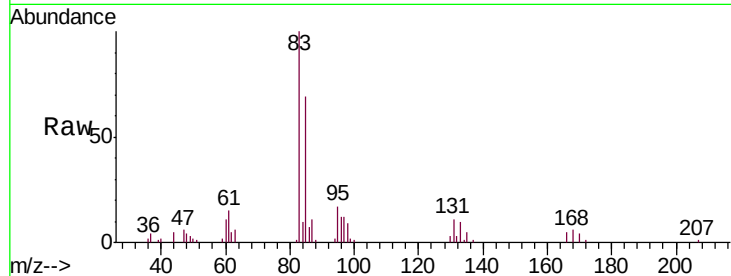
Tgt Ion: 83 Resp: 26573

Ion Ratio Lower Upper

83 100

85 69.1 44.7 83.1

131 11.1 7.8 11.6

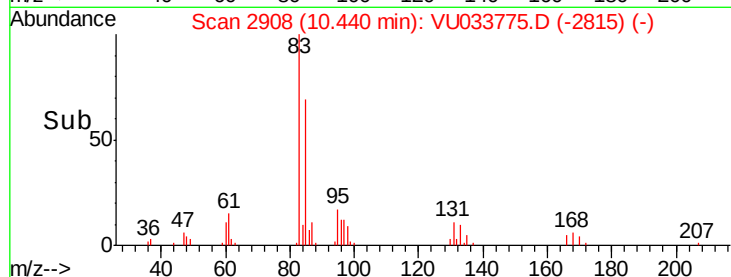


Abundance Ion 83.00 (82.70 to 83.70): VU033777.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2893) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2893) (-)

Time-->

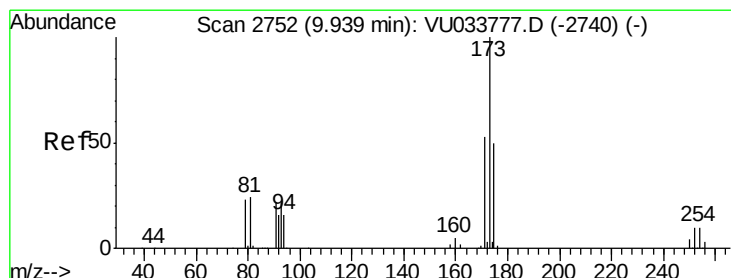


Abundance Ion 83.00 (82.70 to 83.70): VU033777.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2893) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2893) (-)

Time-->



#59

Bromoform

Concen: 5.137 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

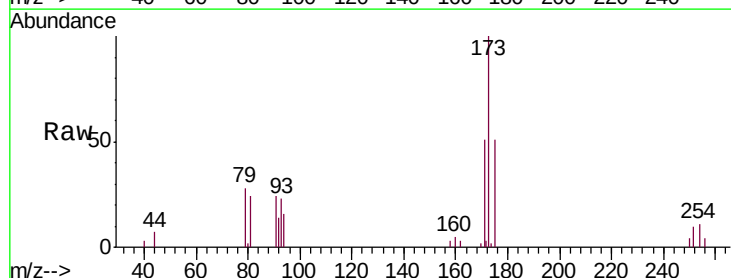
Tgt Ion: 173 Resp: 12583

Ion Ratio Lower Upper

173 100

175 51.5 38.9 58.3

254 9.4 7.4 11.0

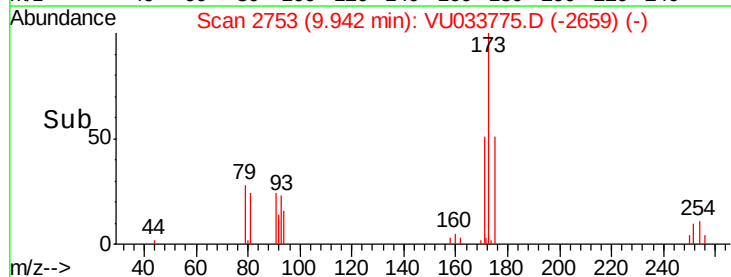


Abundance Ion 173.00 (172.70 to 173.70): VU033777.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033777.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033777.D (-2740) (-)

Time-->

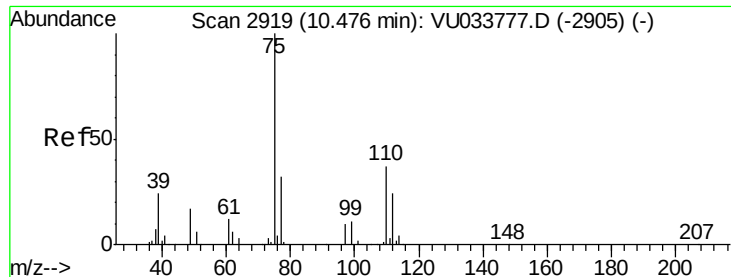


Abundance Ion 173.00 (172.70 to 173.70): VU033777.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033777.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033777.D (-2740) (-)

Time-->



#60

1,2,3-Trichloropropane

Concen: 5.322 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

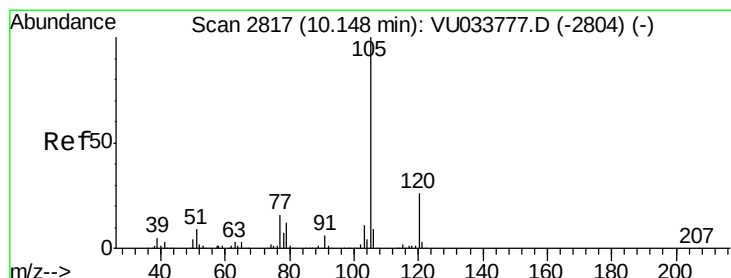
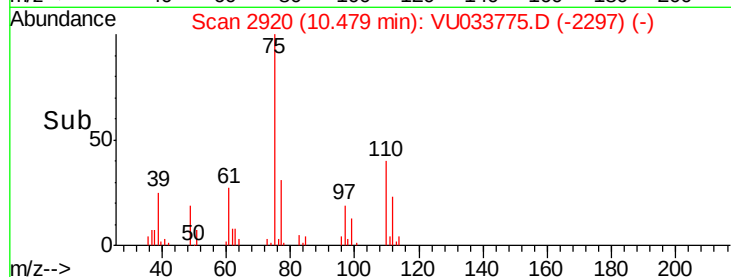
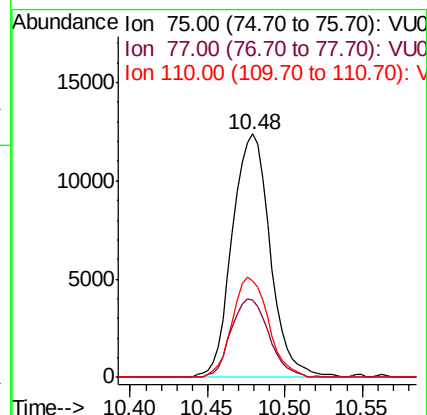
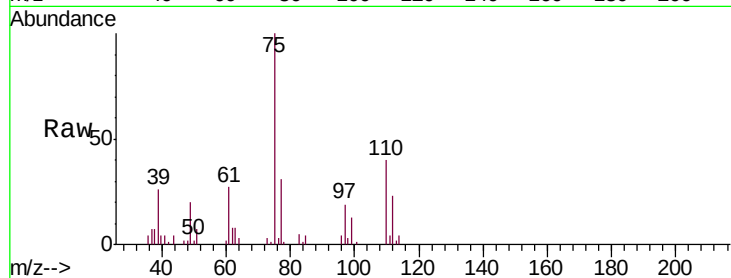
Tgt Ion: 75 Resp: 21108

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

110 39.1 29.7 44.5



#61

Isopropylbenzene

Concen: 4.202 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

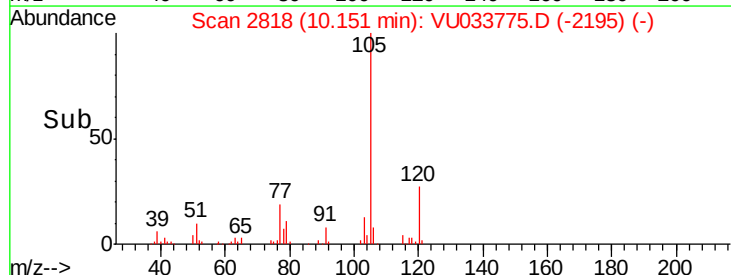
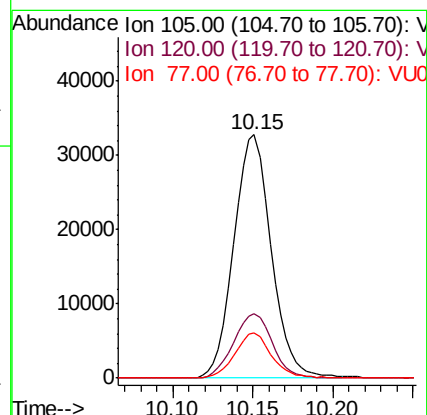
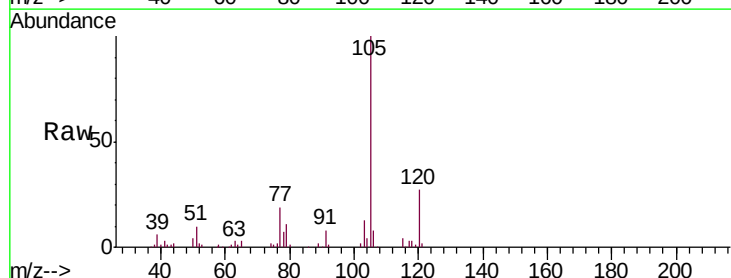
Tgt Ion: 105 Resp: 52314

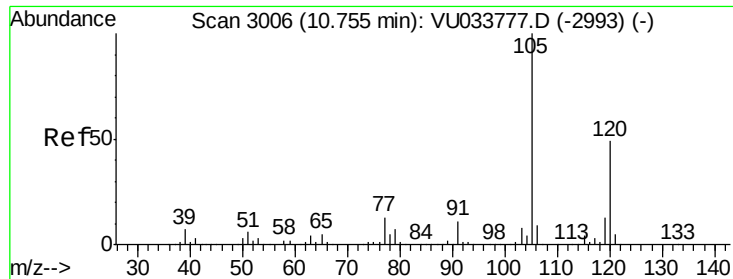
Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.6

77 18.1 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 3.981 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033775.D

Acq: 13 Aug 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

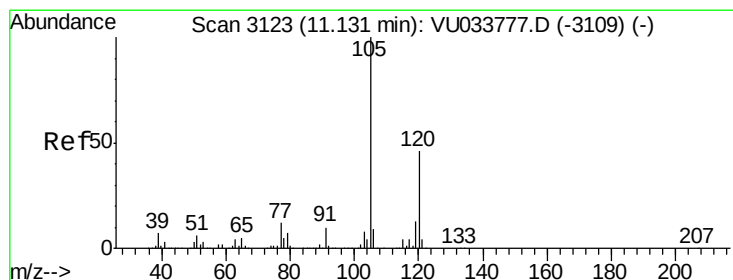
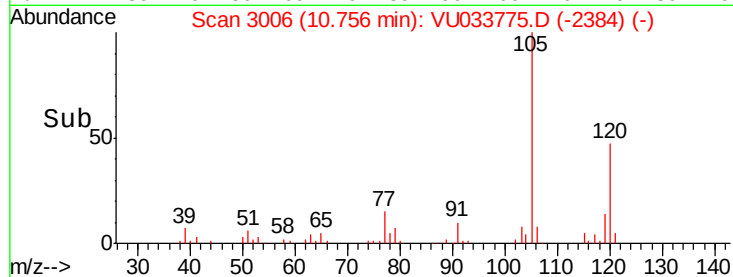
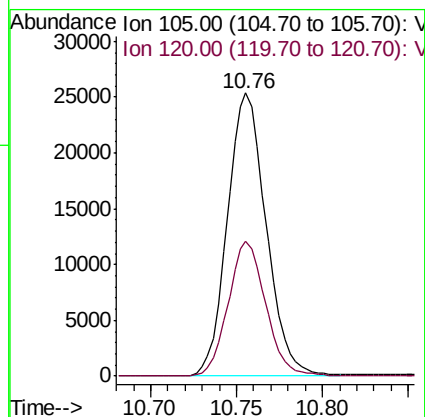
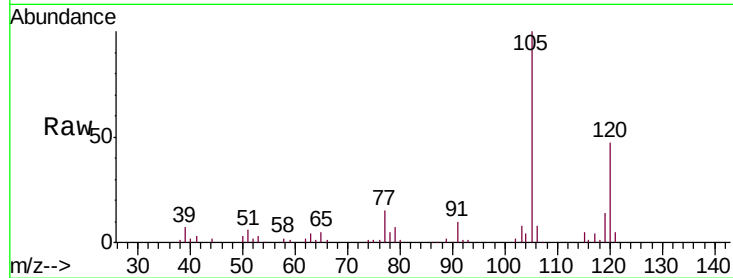
VSTD00533

Tgt Ion:105 Resp: 40034

Ion Ratio Lower Upper

105 100

120 45.9 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 3.821 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033775.D

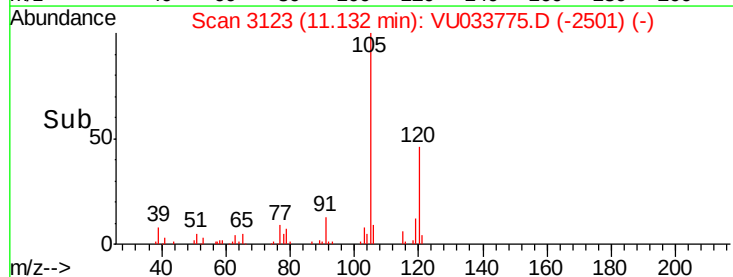
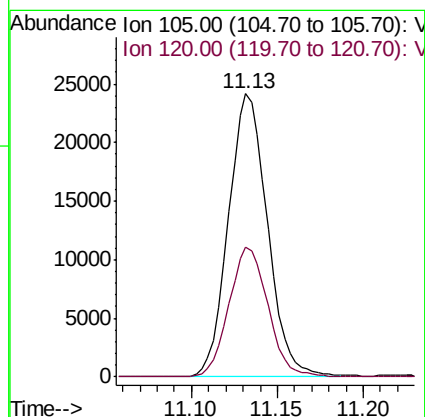
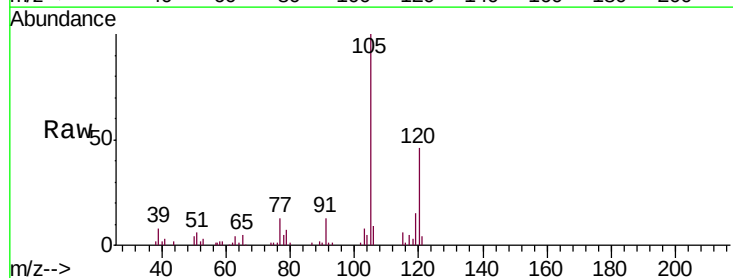
Acq: 13 Aug 2019 09:20

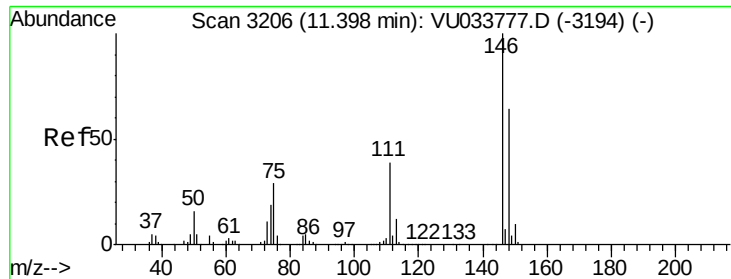
Tgt Ion:105 Resp: 38137

Ion Ratio Lower Upper

105 100

120 45.7 36.6 55.0

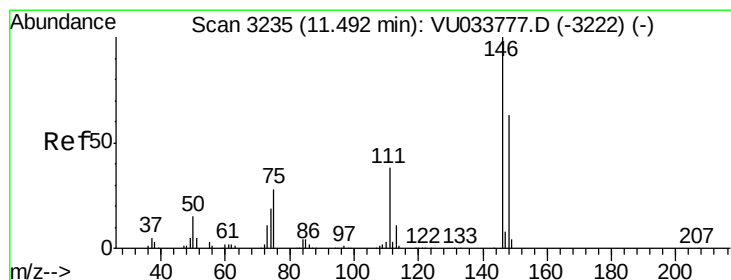
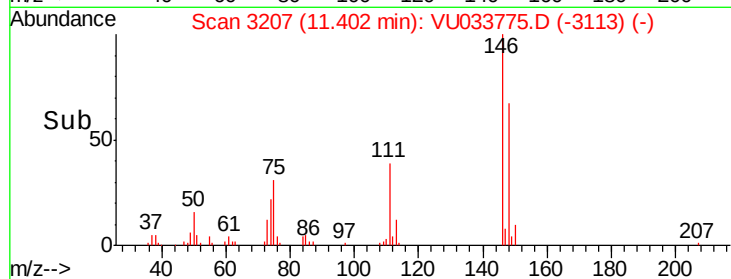
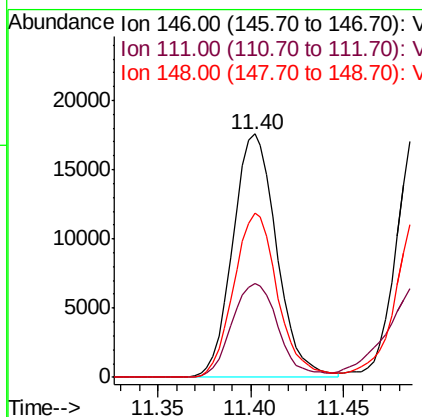
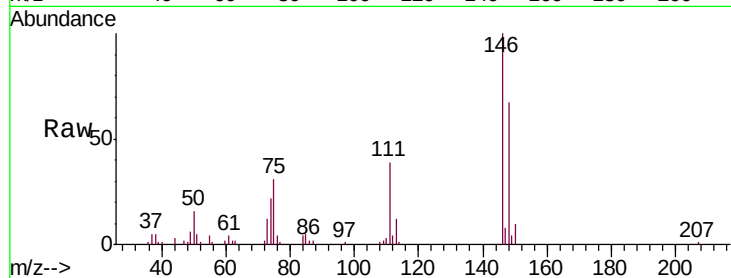




#64
 1,3-Dichlorobenzene
 Concen: 4.529 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

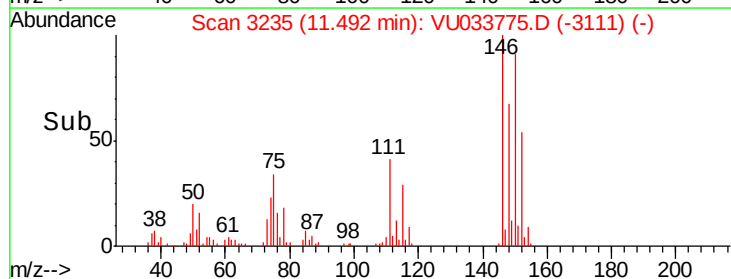
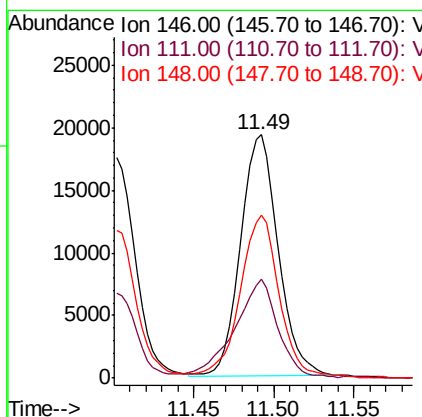
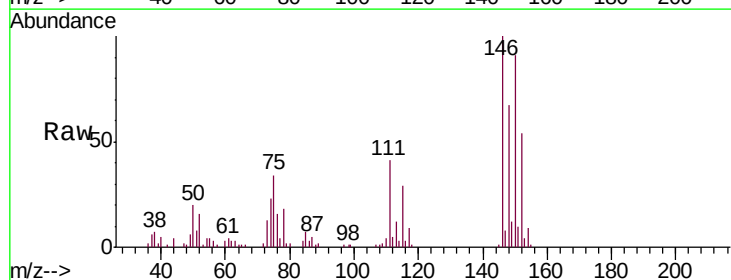
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

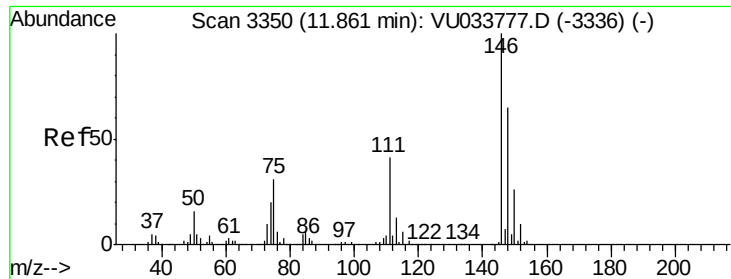
Tgt Ion:146 Resp: 28793
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.1 50.3
 148 67.3 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 4.688 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Tgt Ion:146 Resp: 30841
 Ion Ratio Lower Upper
 146 100
 111 40.5 26.5 49.3
 148 67.1 43.9 81.5

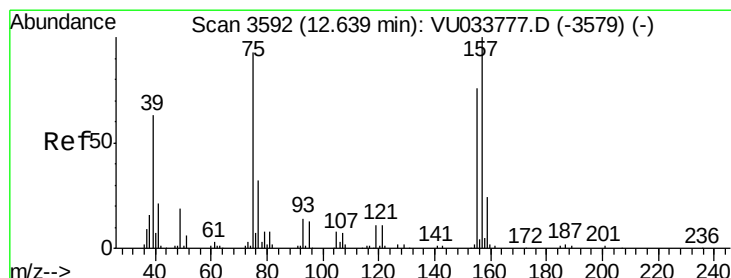
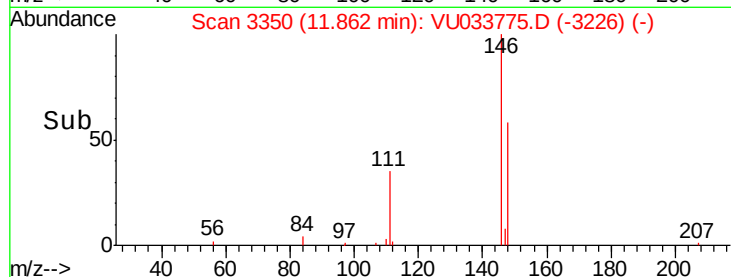
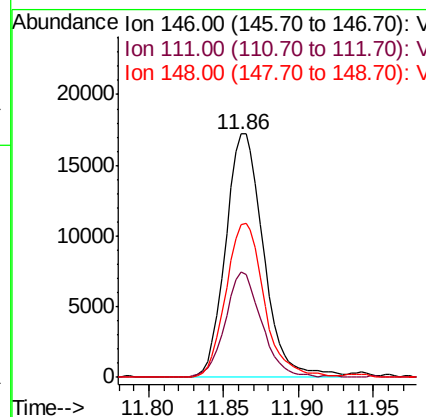
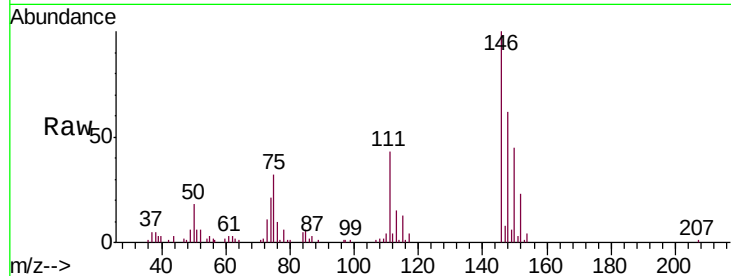




#67
 1,2-Dichlorobenzene
 Concen: 4.803 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

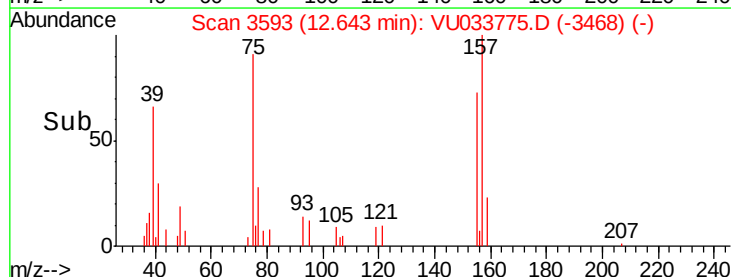
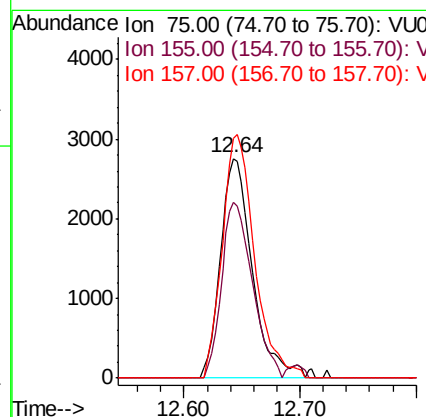
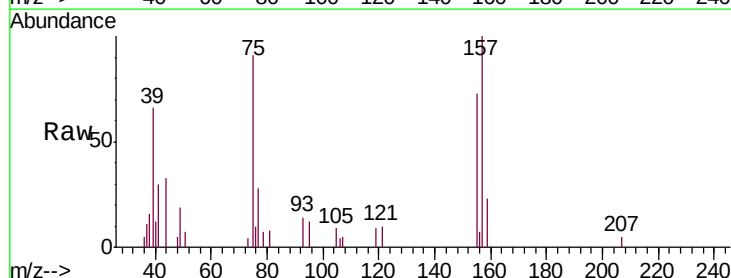
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

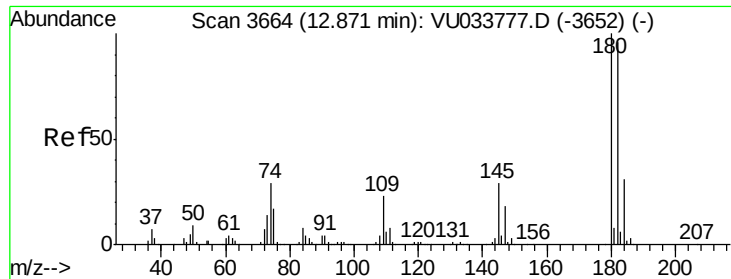
Tgt Ion: 146 Resp: 30505
 Ion Ratio Lower Upper
 146 100
 111 43.5 33.1 49.7
 148 62.5 51.8 77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.829 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Tgt Ion: 75 Resp: 5309
 Ion Ratio Lower Upper
 75 100
 155 80.0 65.9 98.9
 157 109.3 86.3 129.5

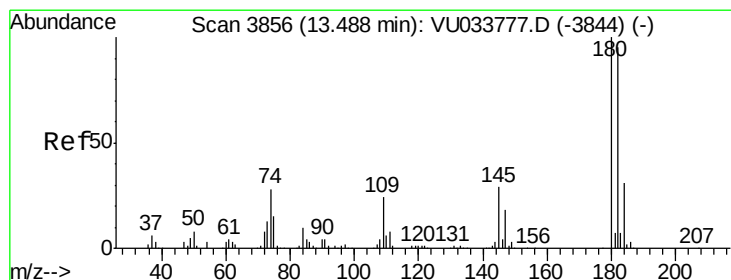
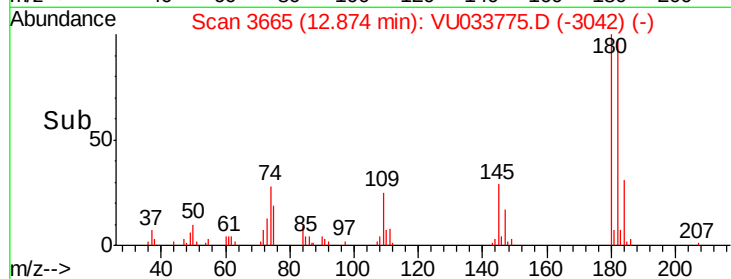
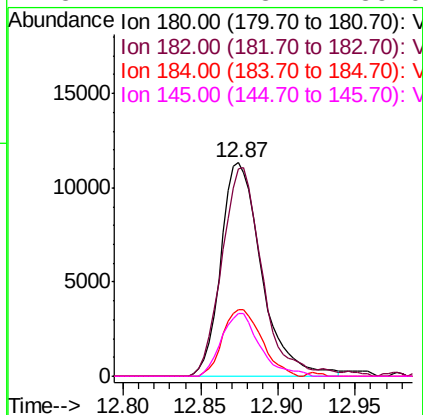
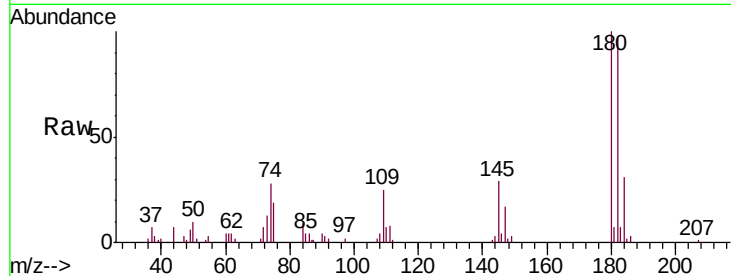




#69
 1,3,5-Trichlorobenzene
 Concen: 4.309 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

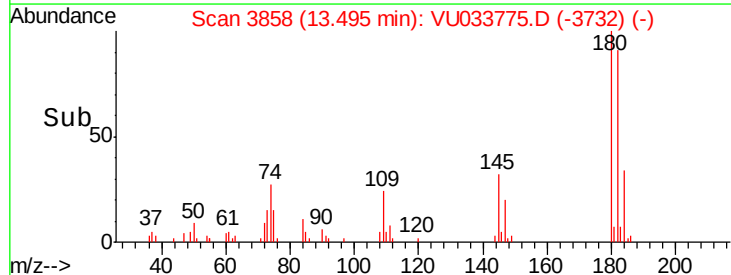
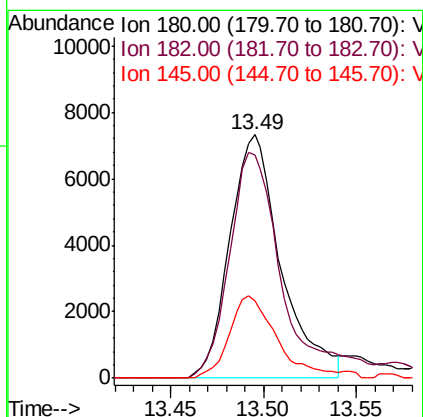
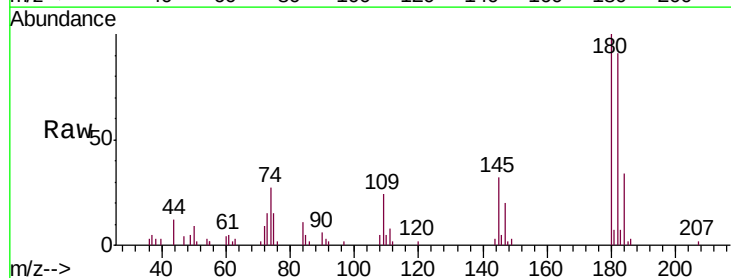
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

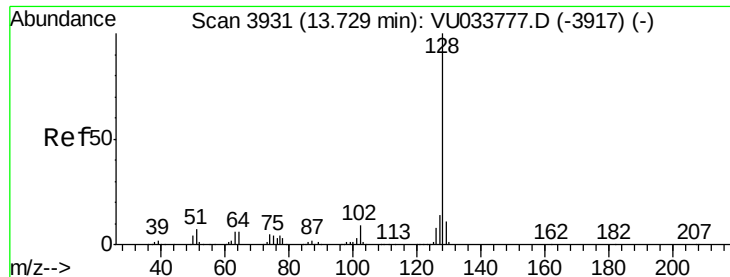
Tgt Ion:	180	Resp:	20783
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
184	29.6	24.5	36.7
145	27.7	23.4	35.0



#70
 1,2,4-trichlorobenzene
 Concen: 3.475 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033775.D
 Acq: 13 Aug 2019 09:20

Tgt Ion:	180	Resp:	14059
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.3	112.9
145	31.1	23.3	34.9

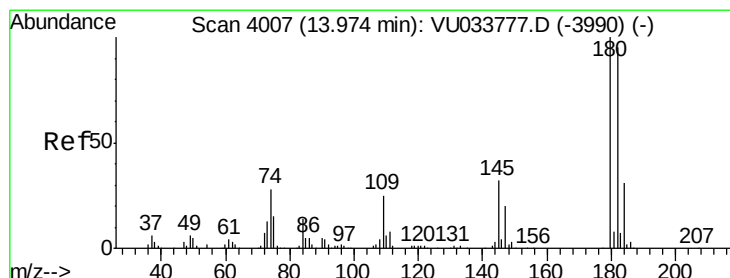
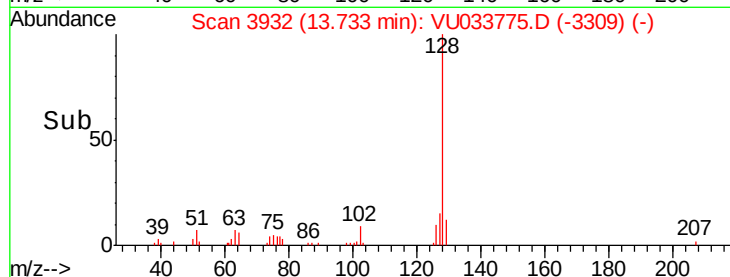
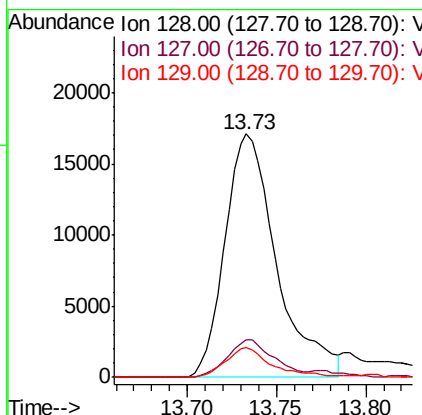
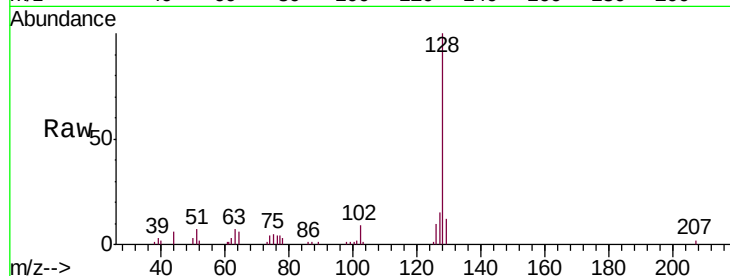




#71
Naphthalene
Concen: 2.929 ug/L
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion:128 Resp: 34494
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 3.632 ug/L
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033775.D
Acq: 13 Aug 2019 09:20

Tgt Ion:180 Resp: 15342
Ion Ratio Lower Upper
180 100
182 107.0 77.1 115.7
145 31.4 24.6 36.8

