

Data File : VU033811.D
Acq On : 15 Aug 2019 15:27
Operator : JC/SP
Sample : VSTD05036
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

Quant Time: Aug 16 01:48:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 16 01:44:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	409257	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	412179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	222408	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	178034	56.75	ug/L	0.00
7) Chloroethane-d5	1.67	69	164207	52.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	293572	55.93	ug/L	0.00
21) 2-Butanone-d5	4.15	46	199073	105.97	ug/L	0.00
24) Chloroform-d	4.62	84	288603	61.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	179719	60.57	ug/L	0.00
32) Benzene-d6	5.32	84	567578	56.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	181360	58.17	ug/L	0.00
41) Toluene-d8	7.55	98	538851	56.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	85620	55.37	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	143177	94.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	251673	55.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	210589	54.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	189435	59.378	ug/L	100
3) Chloromethane	1.32	50	193241	58.812	ug/L	100
5) Vinyl chloride	1.39	62	215303	58.775	ug/L	100
6) Bromomethane	1.62	94	163238	54.265	ug/L	100
8) Chloroethane	1.69	64	137134	50.803	ug/L	100
9) Trichlorofluoromethane	1.87	101	277757	56.477	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	135434	53.329	ug/L	100
12) 1,1-Dichloroethene	2.27	96	132985	53.277	ug/L	100
13) Acetone	2.31	43	178788	94.384	ug/L	100
14) Carbon disulfide	2.46	76	416925	58.153	ug/L	100
15) Methyl Acetate	2.60	43	148863	47.333	ug/L	100
16) Methylene chloride	2.68	84	151952	52.881	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	137381	51.848	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	413369	48.549	ug/L	100
19) 1,1-Dichloroethane	3.42	63	265546	52.835	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	154913	51.531	ug/L	100
22) 2-Butanone	4.24	43	221652	95.278	ug/L	100
23) Bromochloromethane	4.52	128	82869	53.249	ug/L	100
25) Chloroform	4.65	83	275397	52.589	ug/L	100
27) 1,2-Dichloroethane	5.38	62	213986	53.556	ug/L	100
29) Cyclohexane	4.97	56	216399	49.107	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	230867	50.573	ug/L	100
31) Carbon tetrachloride	5.11	117	209251	50.829	ug/L	100
33) Benzene	5.37	78	602548	51.279	ug/L	100
34) Trichloroethene	6.16	95	156660	50.608	ug/L	100
35) Methylcyclohexane	6.40	83	235035	50.191	ug/L	100
37) 1,2-Dichloropropane	6.41	63	162303	51.765	ug/L	100
38) Bromodichloromethane	6.74	83	206326	51.293	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	242165	49.077	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	397460	88.634	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Fri Aug 16 01:44:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	649665	51.299	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	220911	50.357	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	151271	49.828	ug/L	100
46) Tetrachloroethene	8.21	164	124793	49.383	ug/L	100
48) 2-Hexanone	8.34	43	321373	90.693	ug/L	100
49) Dibromochloromethane	8.46	129	172967	50.651	ug/L	100
50) 1,2-Dibromoethane	8.57	107	163513	48.932	ug/L	100
51) Chlorobenzene	9.10	112	410516	49.566	ug/L	100
52) Ethylbenzene	9.23	91	684195	49.698	ug/L	100
53) m,p-Xylene	9.36	106	261371	49.796	ug/L	100
54) o-xylene	9.76	106	254343	49.087	ug/L	100
55) Styrene	9.77	104	447604	51.235	ug/L	100
56) Isopropylbenzene	10.15	105	661578	48.821	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	248517	47.183	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	199068	47.622	ug/L	100
61) Bromoform	9.94	173	129017	47.853	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	329719	48.234	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	336221	48.518	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	331673	49.070	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	53959	43.451	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	254430	47.232	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	210059	43.860	ug/L	100
69) Naphthalene	13.73	128	617914	43.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	231459	46.103	ug/L	100

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

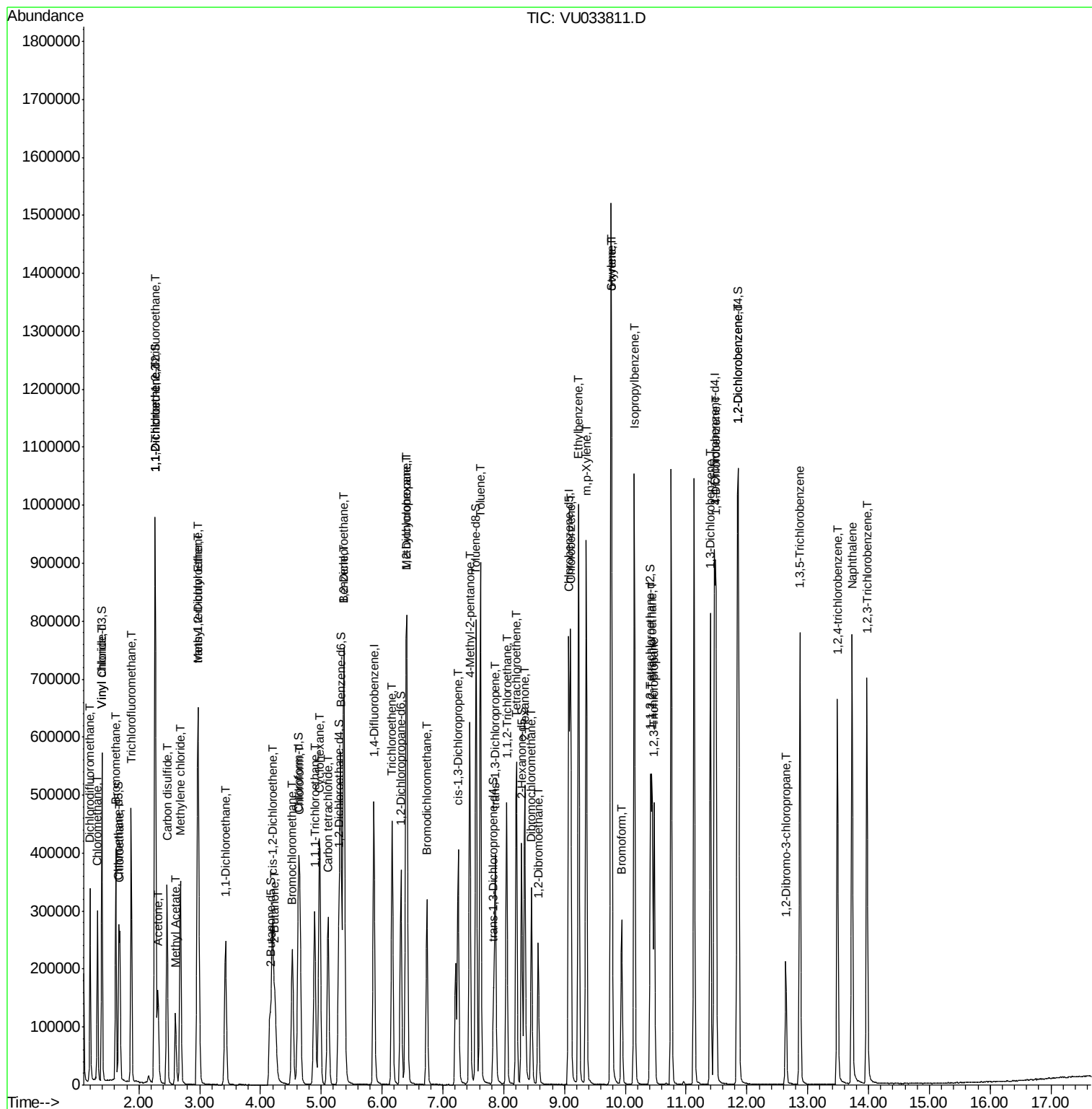
Quant Time: Aug 16 01:48:18 2019

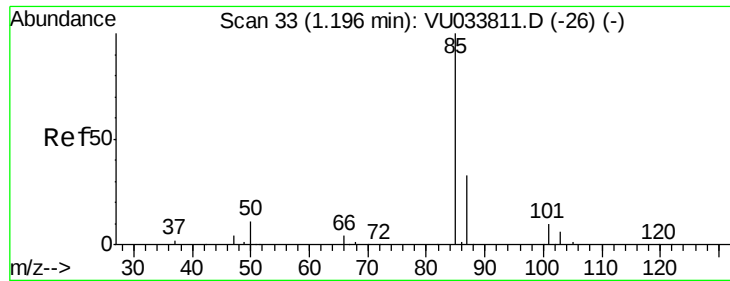
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM081619WMA.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 59.378 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

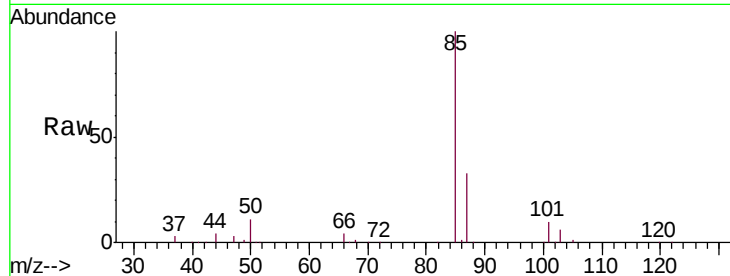
VSTD05036

Tgt Ion: 85 Resp: 189435

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU033811.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033811.D (-26) (-)

1.20

200000

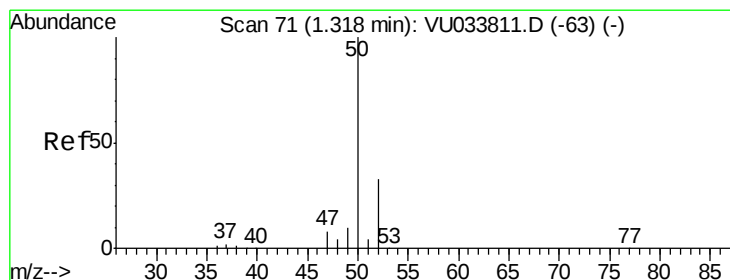
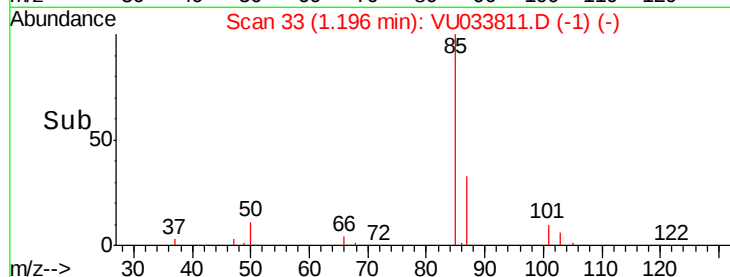
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 58.812 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033811.D

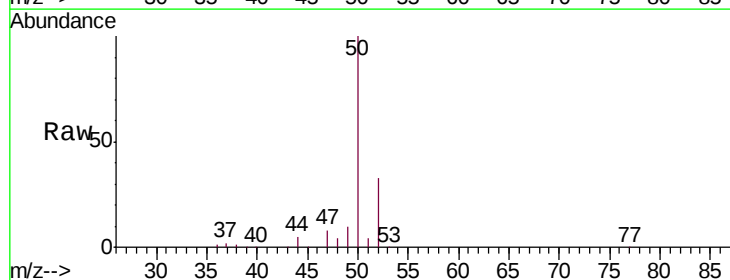
Acq: 15 Aug 2019 15:27

Tgt Ion: 50 Resp: 193241

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033811.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033811.D (-63) (-)

1.32

200000

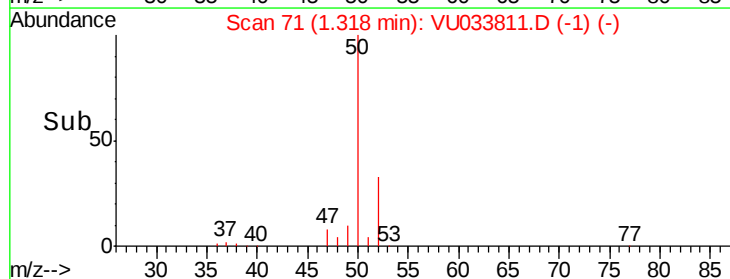
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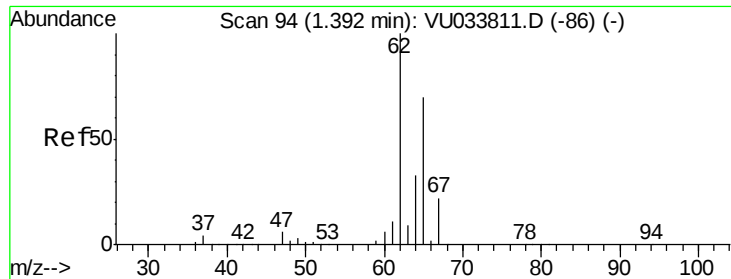
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 58.775 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

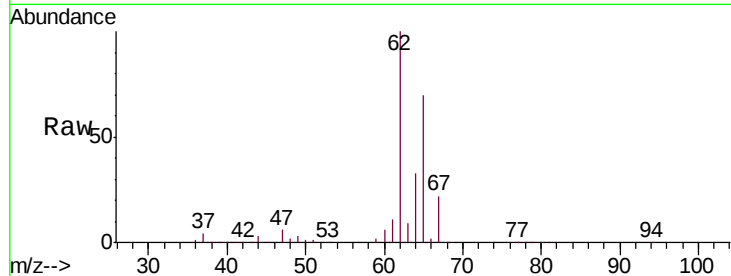
VSTD05036

Tgt Ion: 62 Resp: 215303

Ion Ratio Lower Upper

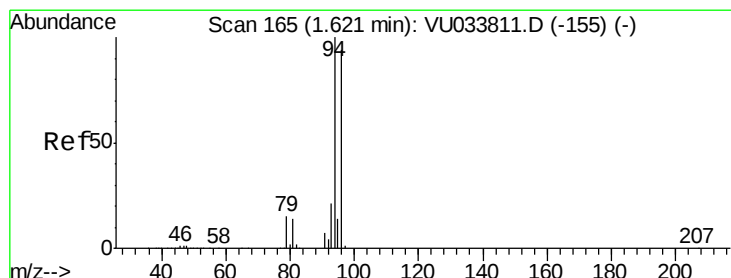
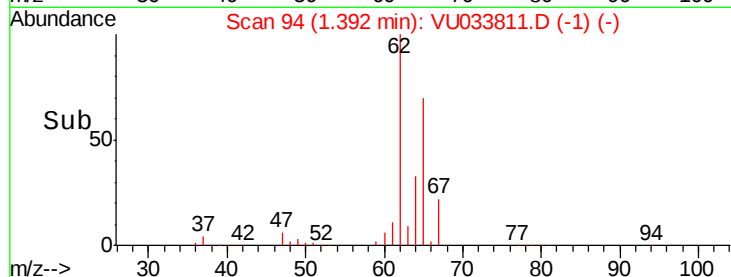
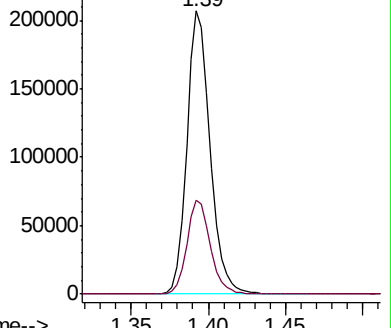
62 100

64 33.3 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033811.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033811.D (-86) (-)



#6

Bromomethane

Concen: 54.265 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033811.D

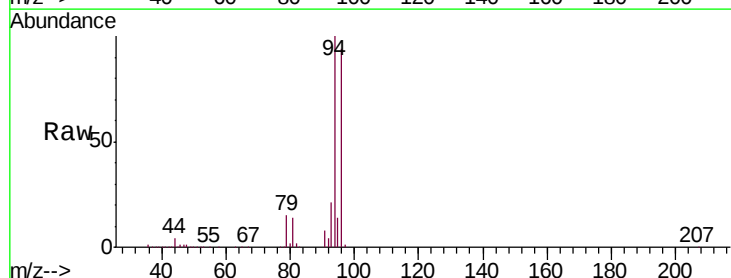
Acq: 15 Aug 2019 15:27

Tgt Ion: 94 Resp: 163238

Ion Ratio Lower Upper

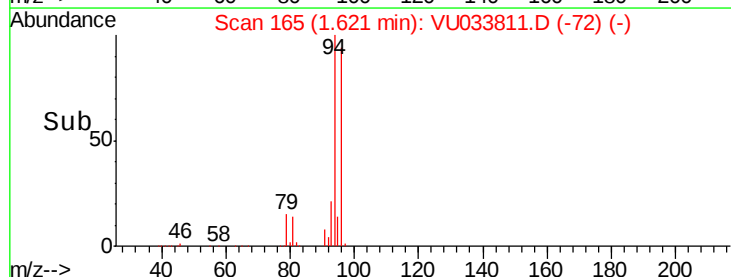
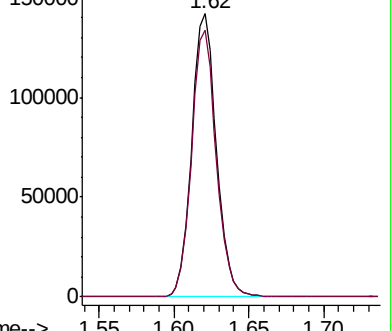
94 100

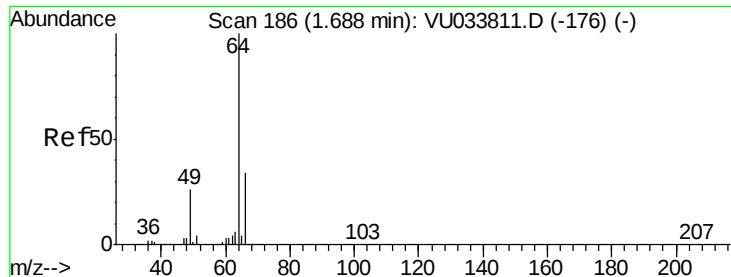
96 94.1 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU033811.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033811.D (-155) (-)





#8

Chloroethane

Concen: 50.803 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

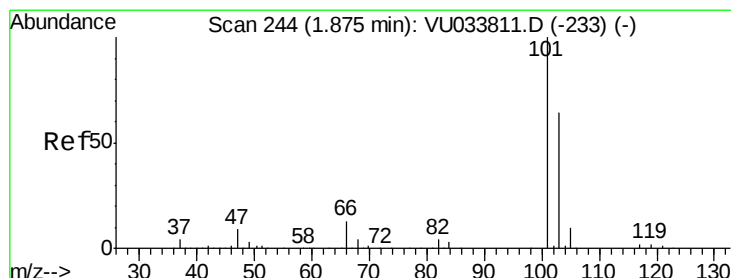
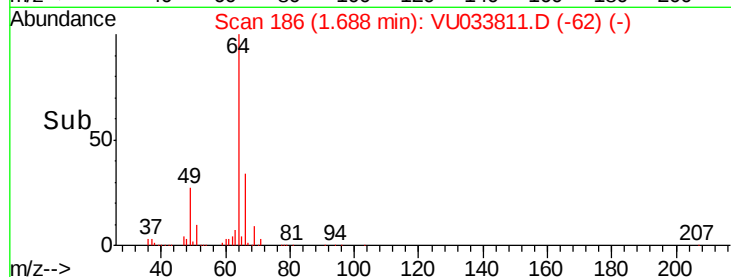
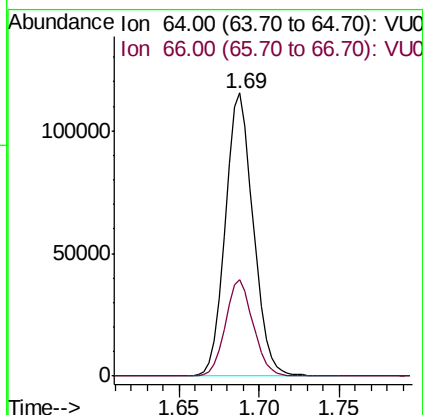
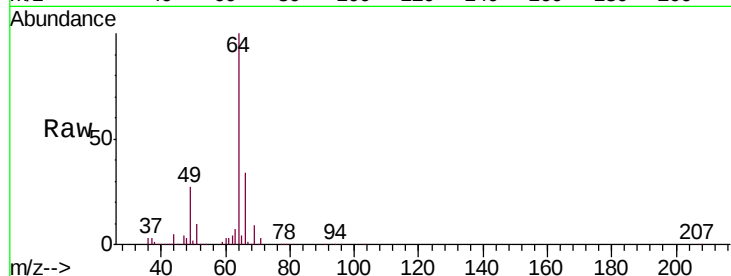
VSTD05036

Tgt Ion: 64 Resp: 137134

Ion Ratio Lower Upper

64 100

66 34.1 23.9 44.3



#9

Trichlorofluoromethane

Concen: 56.477 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033811.D

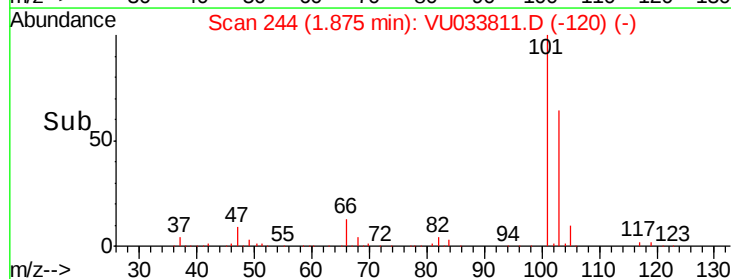
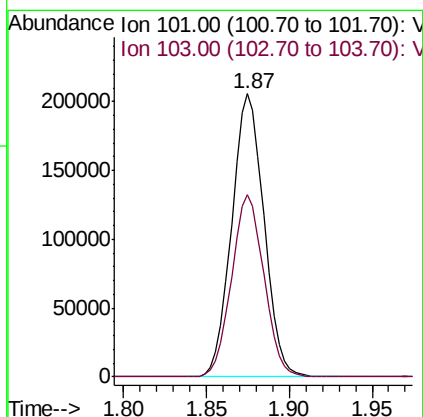
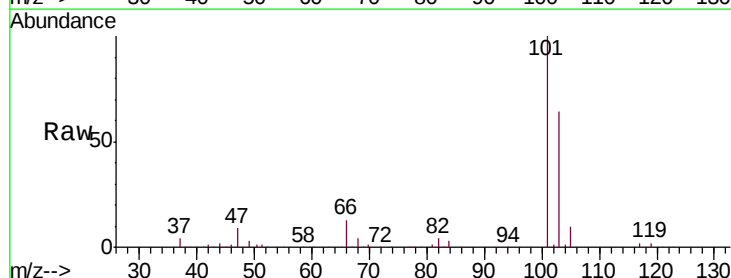
Acq: 15 Aug 2019 15:27

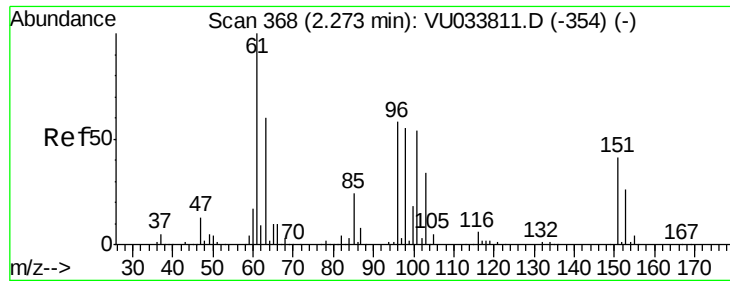
Tgt Ion: 101 Resp: 277757

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9





#10

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

Concen: 53.329 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

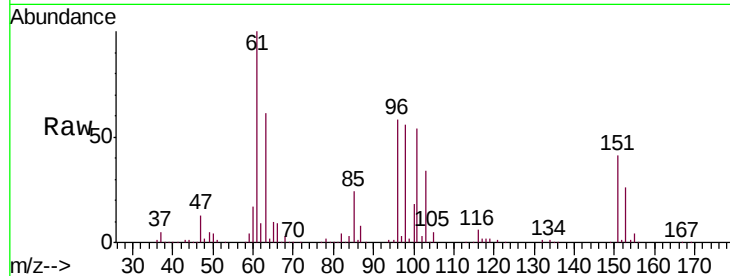
Tgt Ion:101 Resp: 135434

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

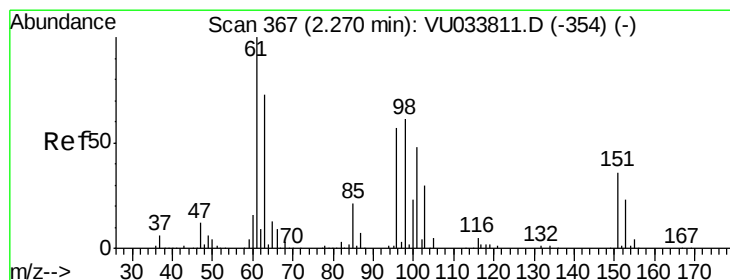
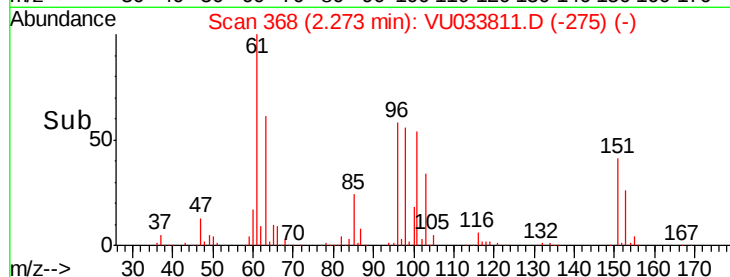
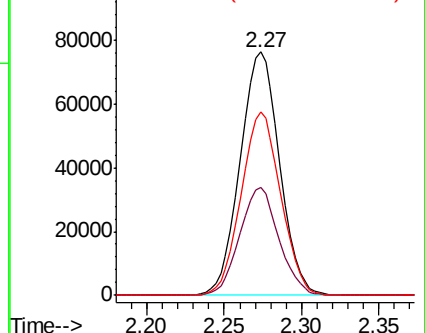
151 75.5 60.4 90.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.277 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

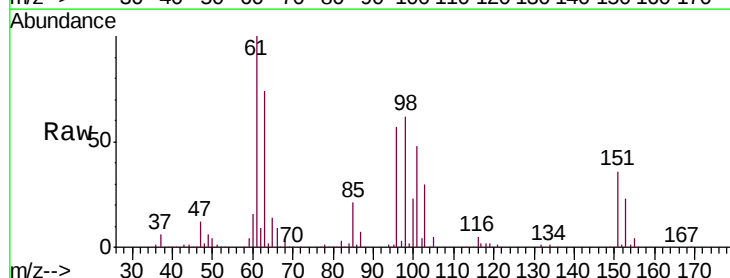
Tgt Ion: 96 Resp: 132985

Ion Ratio Lower Upper

96 100

61 176.7 123.7 229.7

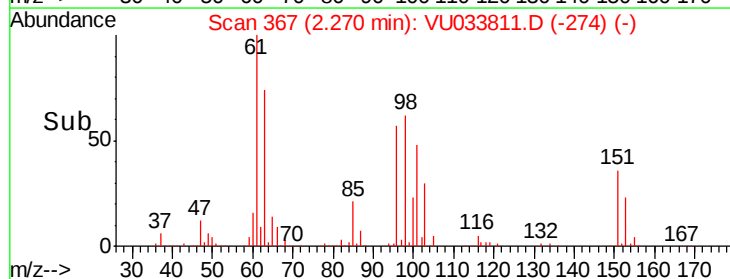
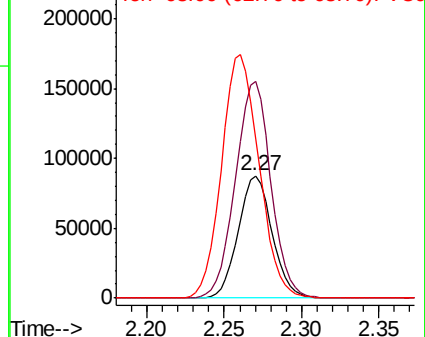
63 130.3 91.2 169.4

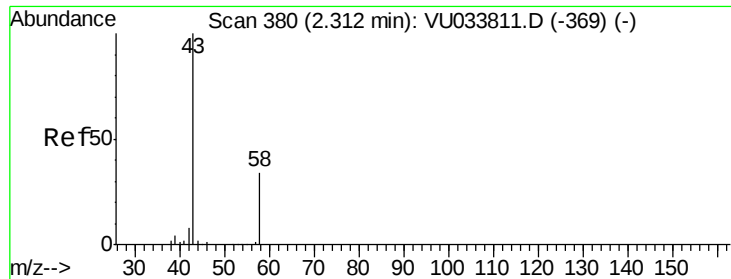


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.384 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampled :

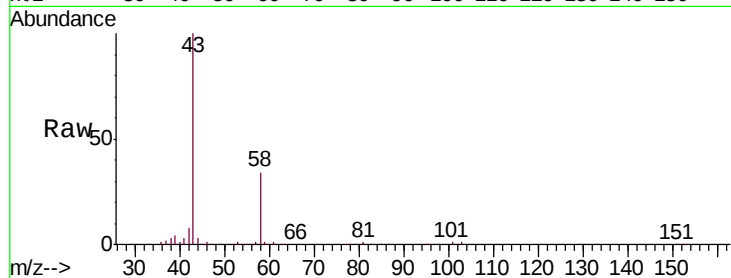
VSTD05036

Tgt Ion: 43 Resp: 178788

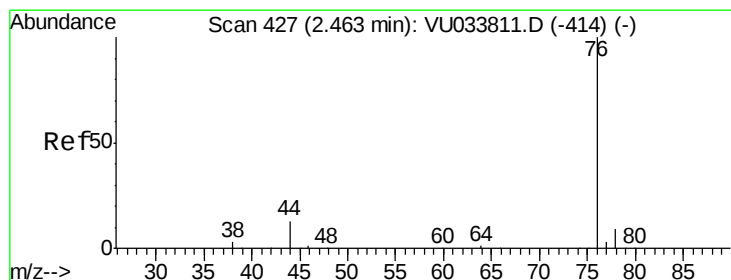
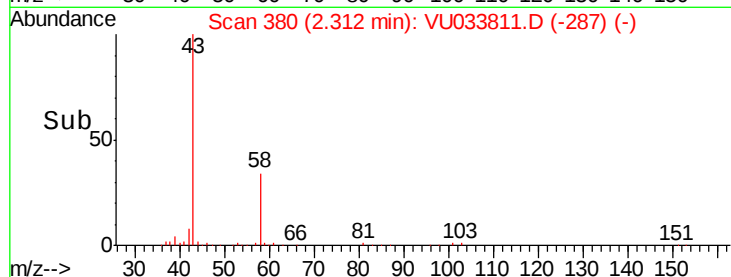
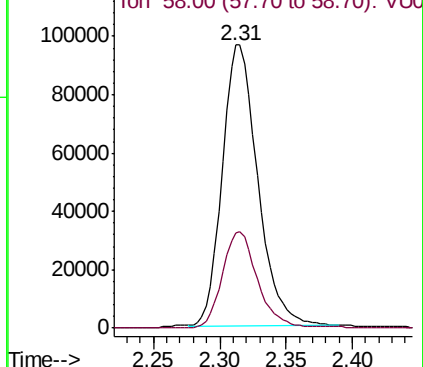
Ion Ratio Lower Upper

43 100

58 34.5 0.0 69.0



Abundance Ion 43.00 (42.70 to 43.70): VU033811.D (-369) (-)



#14

Carbon disulfide

Concen: 58.153 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033811.D

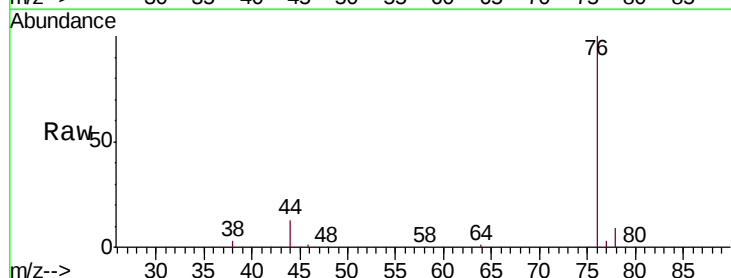
Acq: 15 Aug 2019 15:27

Tgt Ion: 76 Resp: 416925

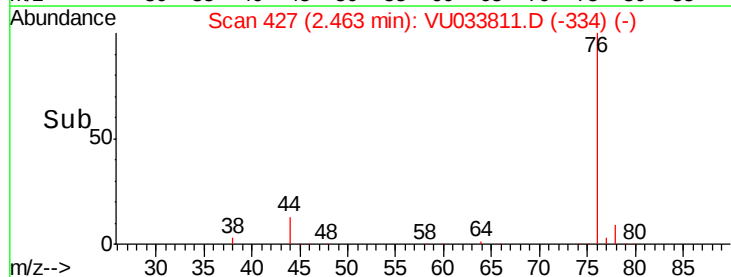
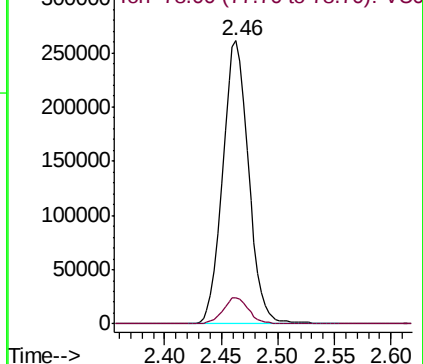
Ion Ratio Lower Upper

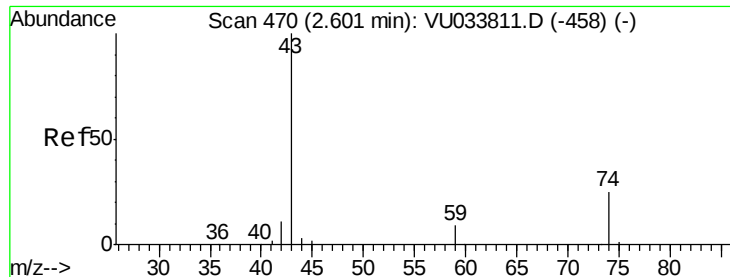
76 100

78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033811.D (-414) (-)

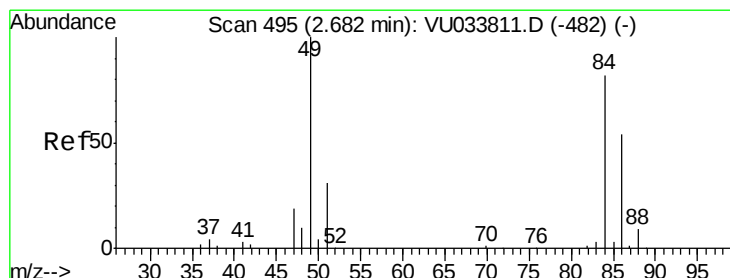
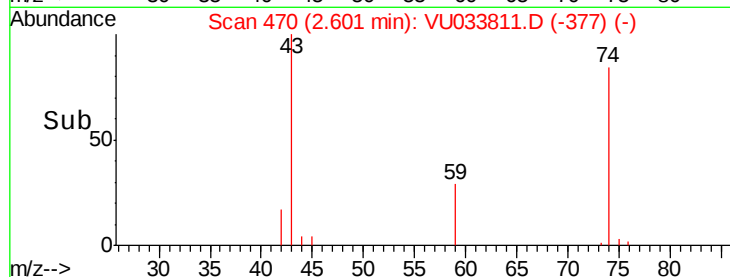
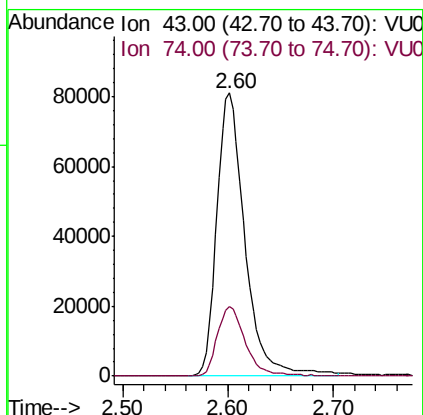
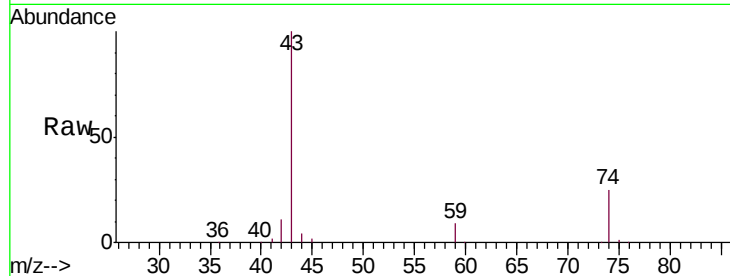




#15
Methyl Acetate
Concen: 47.333 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

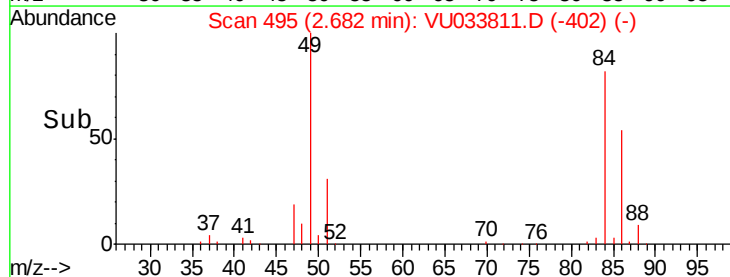
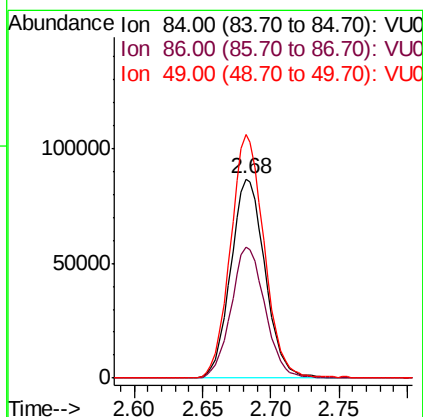
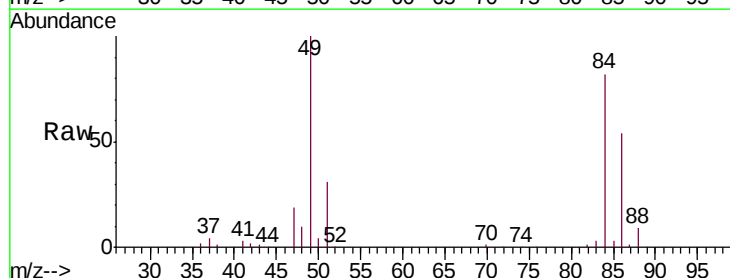
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

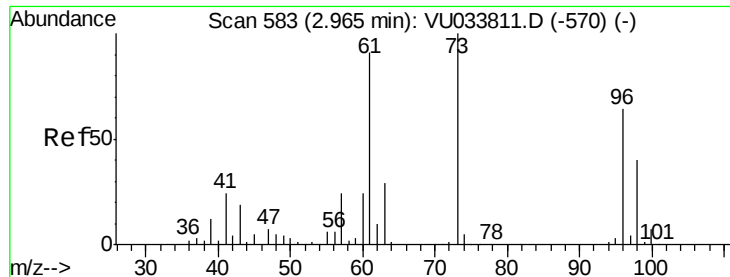
Tgt Ion: 43 Resp: 148863
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#16
Methylene chloride
Concen: 52.881 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion: 84 Resp: 151952
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 122.3 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 51.848 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

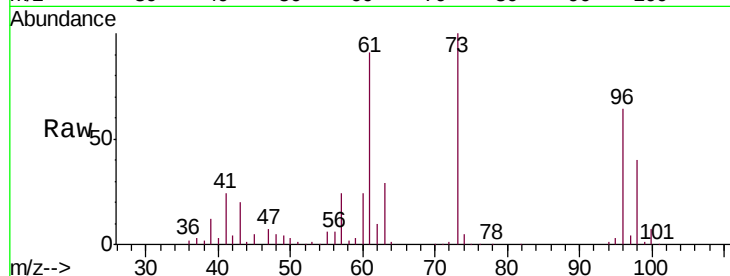
Tgt Ion: 96 Resp: 137381

Ion Ratio Lower Upper

96 100

61 140.9 98.6 183.2

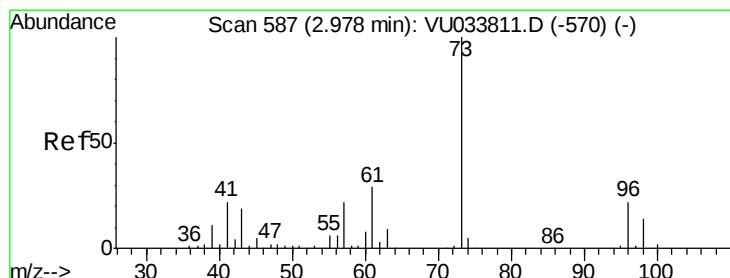
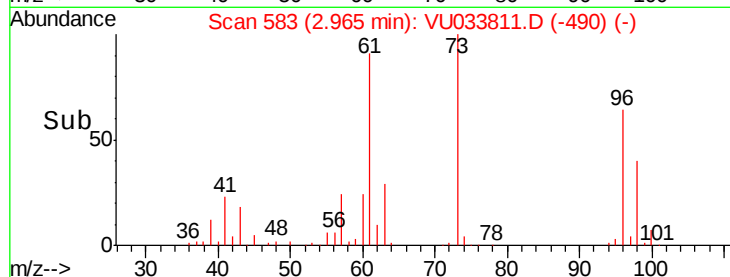
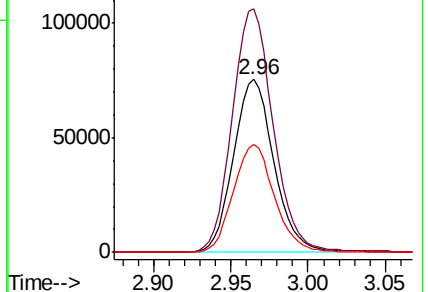
98 62.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033811.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033811.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033811.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 48.549 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

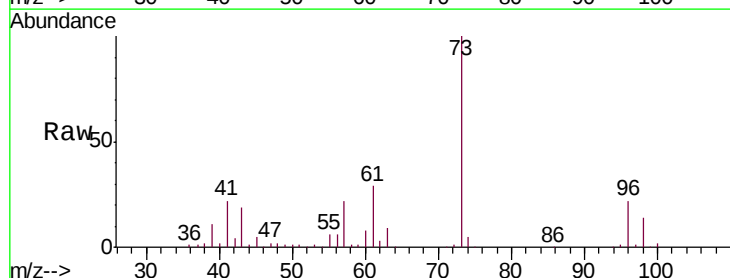
Tgt Ion: 73 Resp: 413369

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

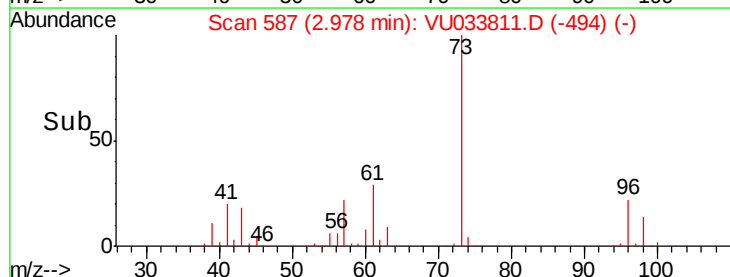
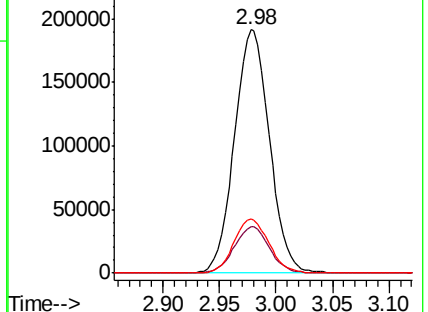
57 22.3 17.8 26.8

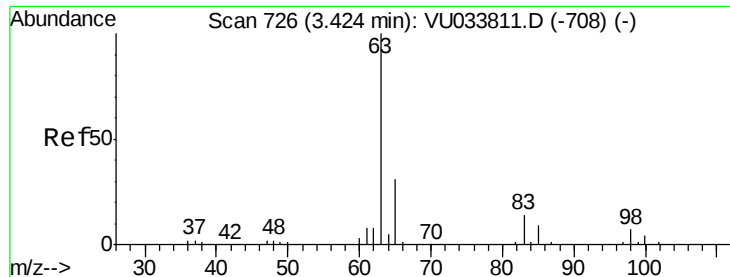


Abundance Ion 73.00 (72.70 to 73.70): VU033811.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU033811.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033811.D (-570) (-)

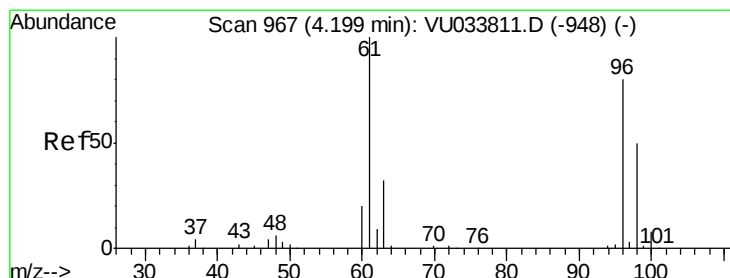
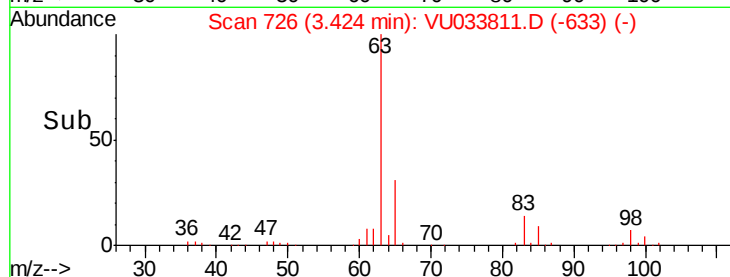
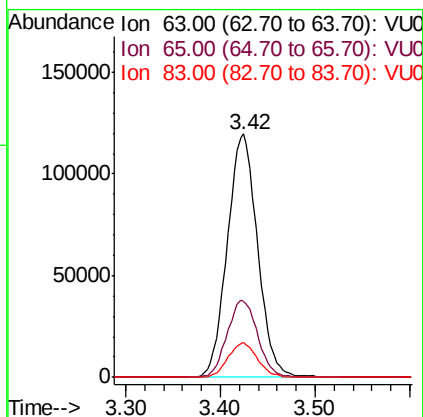
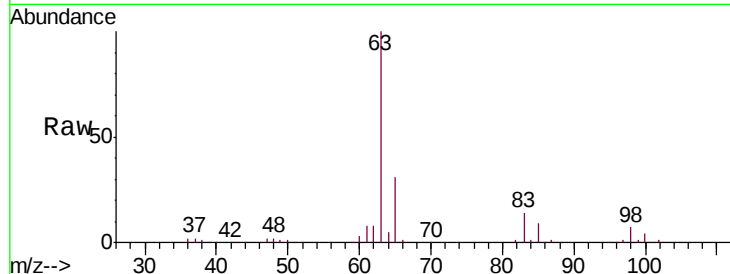




#19
 1,1-Dichloroethane
 Concen: 52.835 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

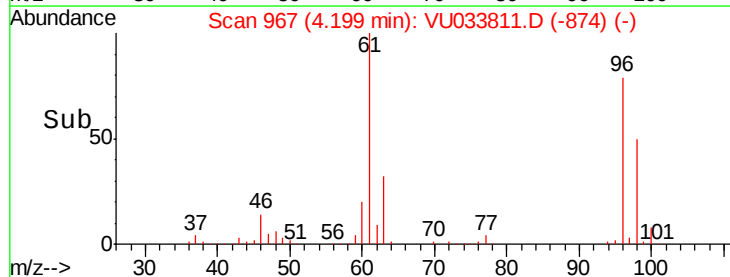
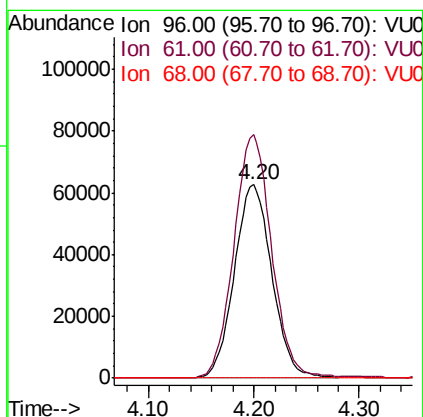
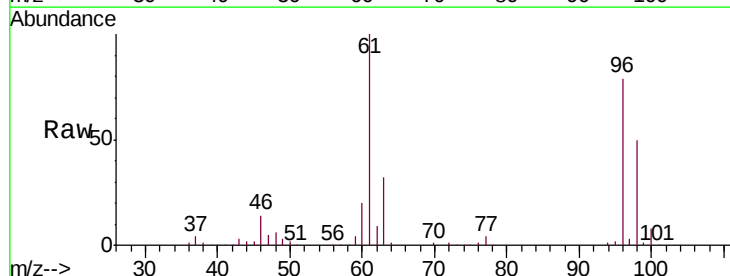
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

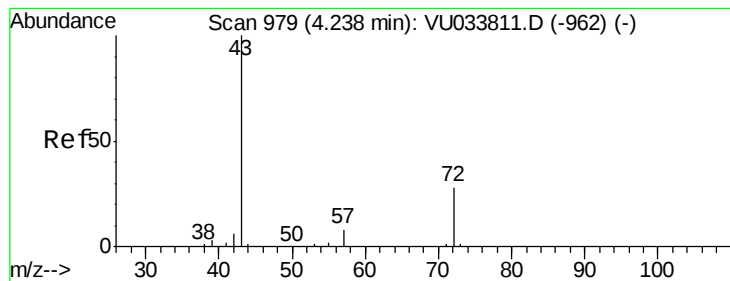
Tgt Ion: 63 Resp: 265546
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 14.1 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.531 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion: 96 Resp: 154913
 Ion Ratio Lower Upper
 96 100
 61 126.0 88.2 163.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.278 ug/L

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

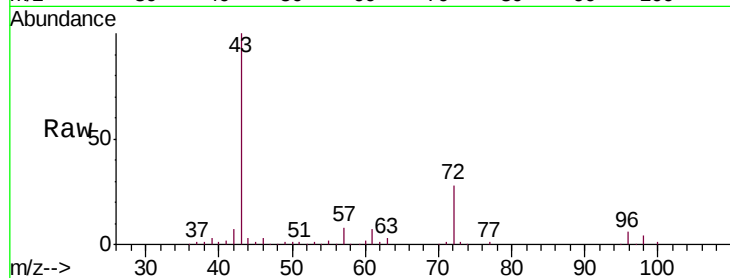
VSTD05036

Tgt Ion: 43 Resp: 221652

Ion Ratio Lower Upper

43 100

72 28.8 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033811.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033811.D (-962) (-)

4.24

80000

60000

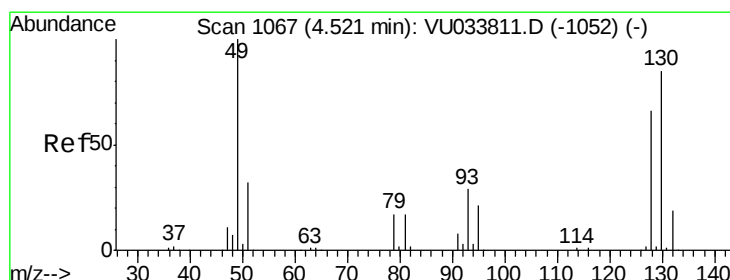
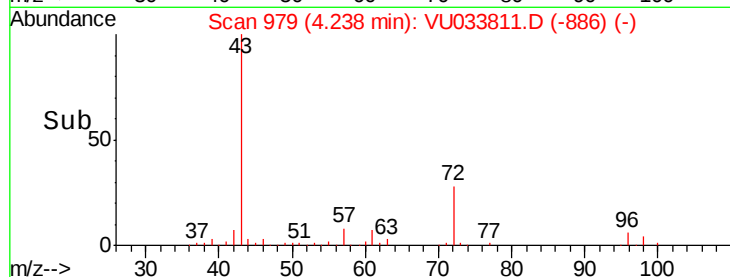
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 53.249 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Tgt Ion: 128 Resp: 82869

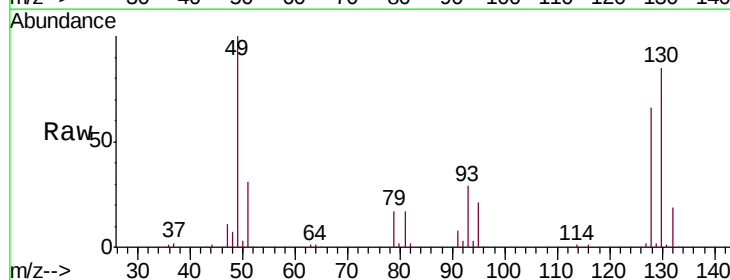
Ion Ratio Lower Upper

128 100

49 152.5 106.7 198.3

130 129.2 90.4 168.0

51 48.0 38.4 57.6



Abundance Ion 128.00 (127.70 to 128.70): VU033811.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033811.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033811.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033811.D (-1052) (-)

4.52

80000

60000

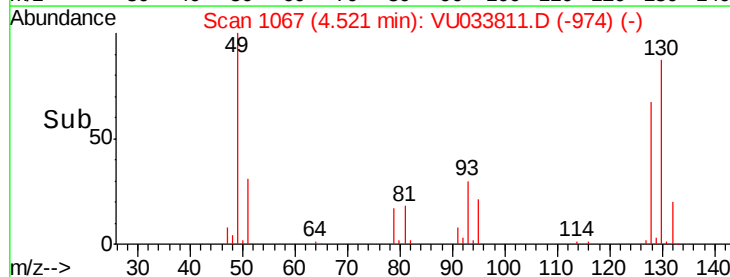
40000

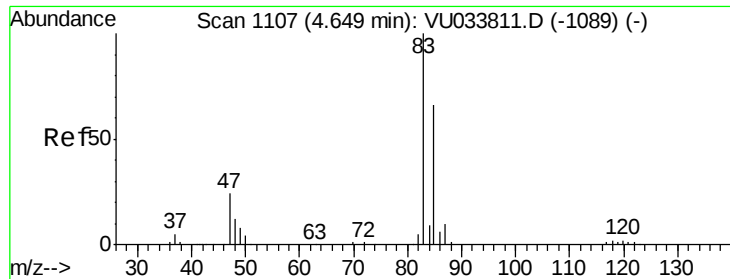
20000

0

4.50 4.60

Time-->

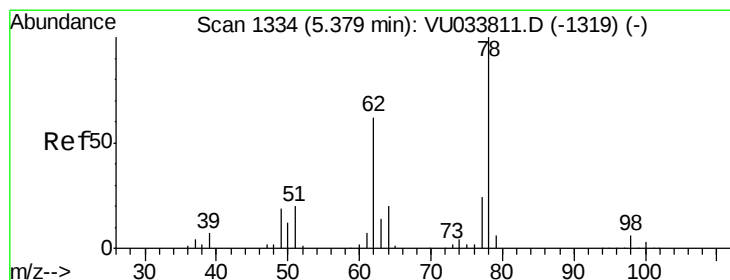
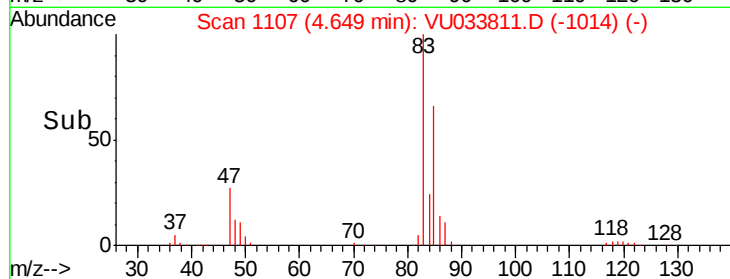
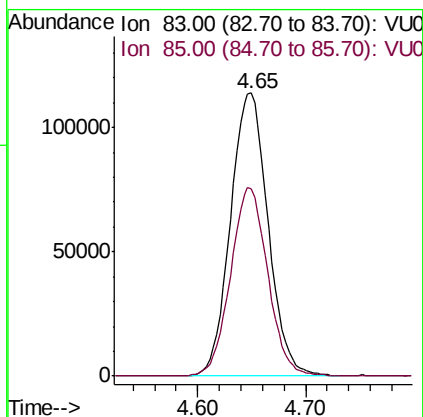
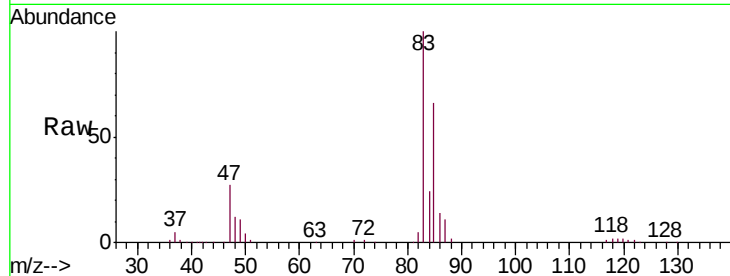




#25
Chloroform
Concen: 52.589 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

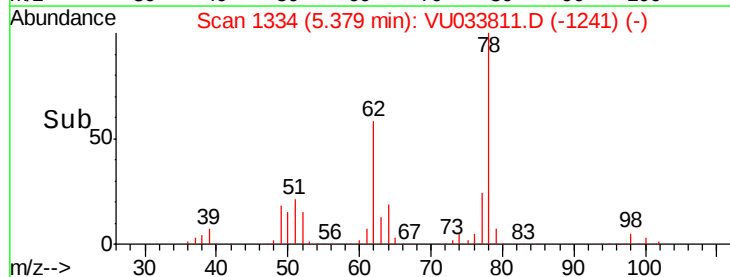
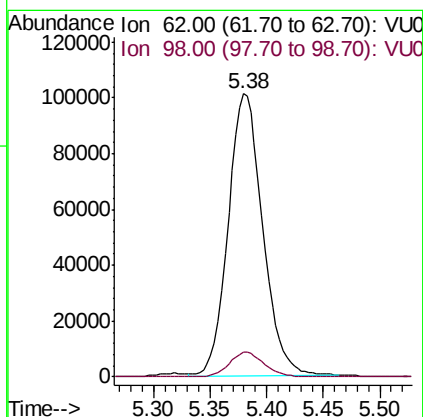
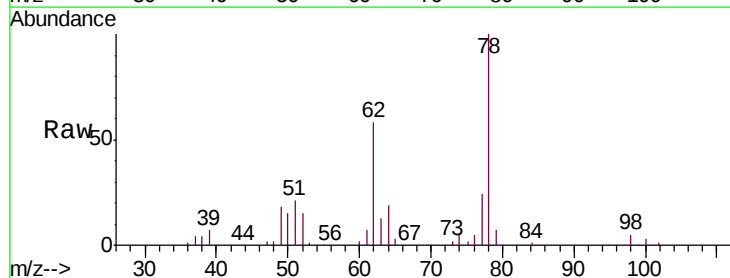
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

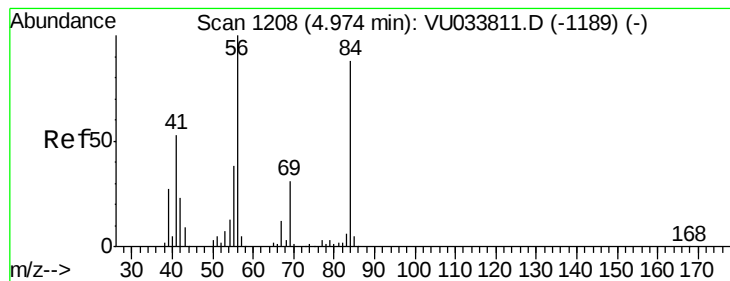
Tgt Ion: 83 Resp: 275397
Ion Ratio Lower Upper
83 100
85 66.2 46.3 86.1



#27
1,2-Dichloroethane
Concen: 53.556 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion: 62 Resp: 213986
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 49.107 ug/L

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

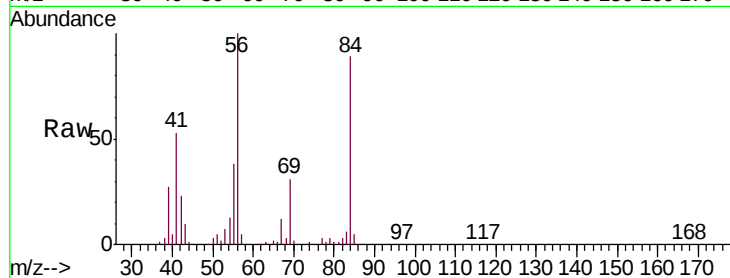
Tgt Ion: 56 Resp: 216399

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

84 86.2 69.0 103.4

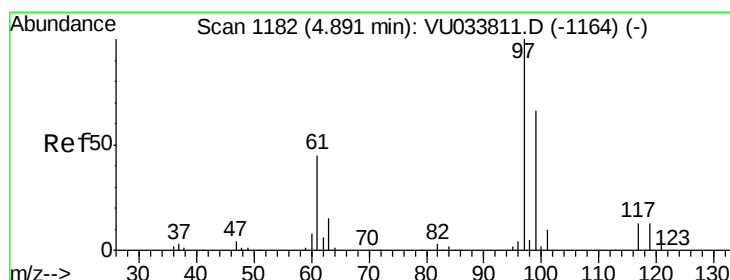
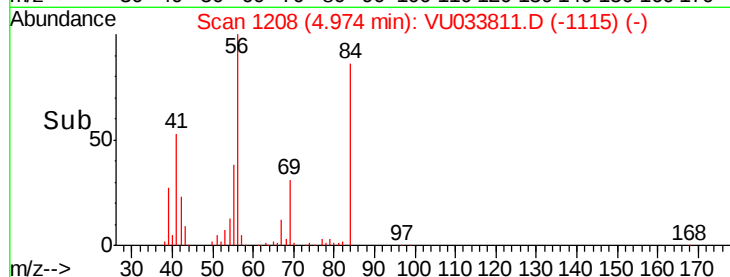
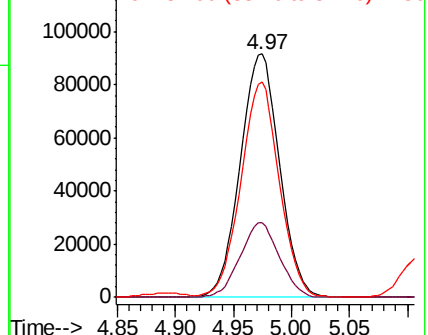


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 50.573 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

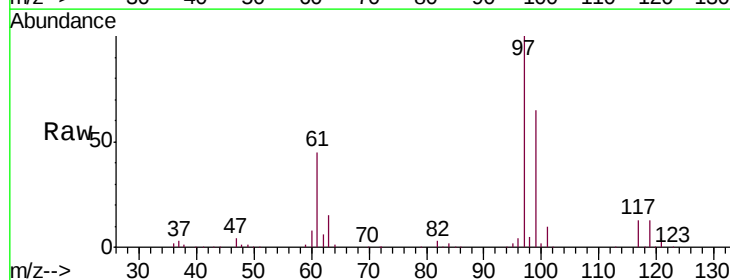
Tgt Ion: 97 Resp: 230867

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 44.7 35.8 53.6

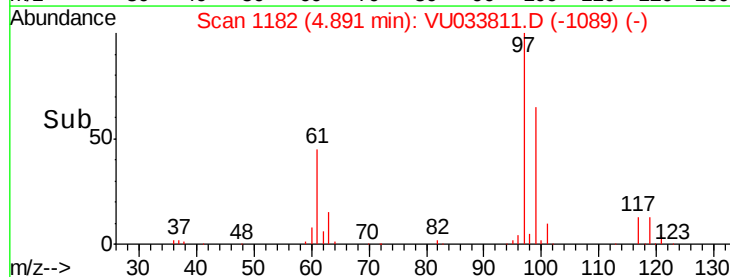
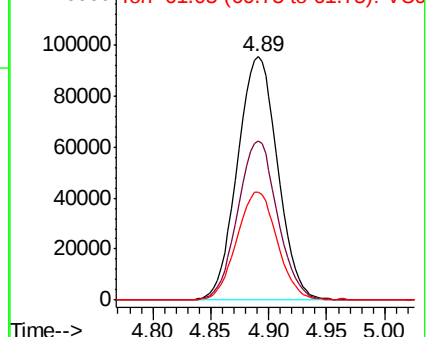


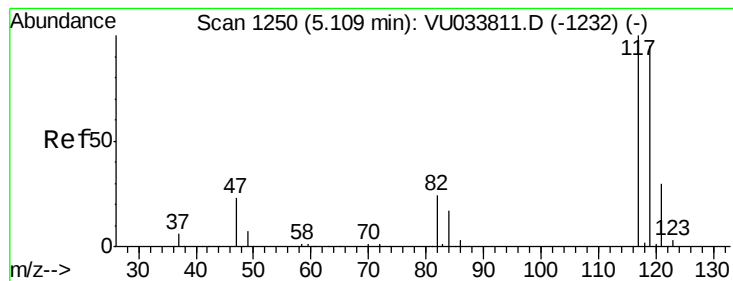
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.829 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

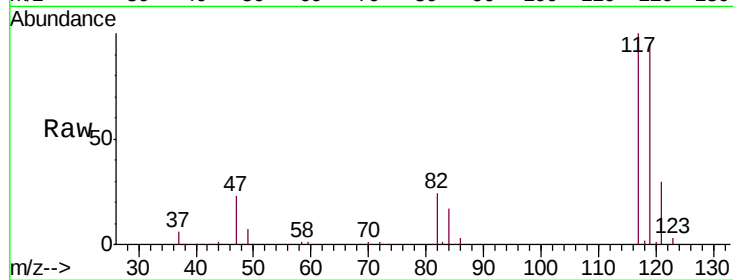
VSTD05036

Tgt Ion:117 Resp: 209251

Ion Ratio Lower Upper

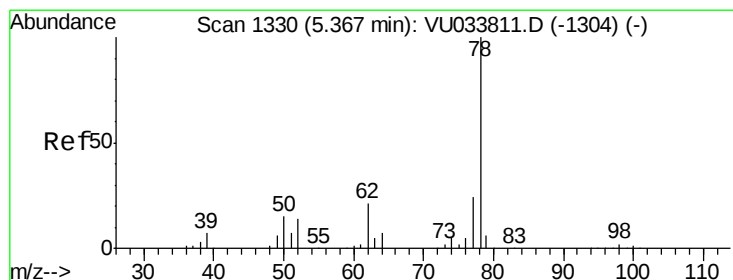
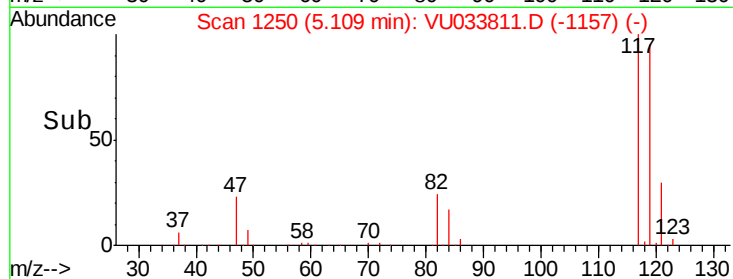
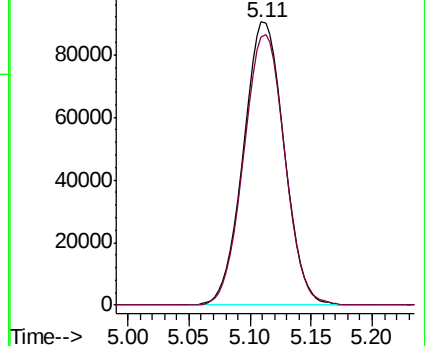
117 100

119 96.3 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.279 ug/L

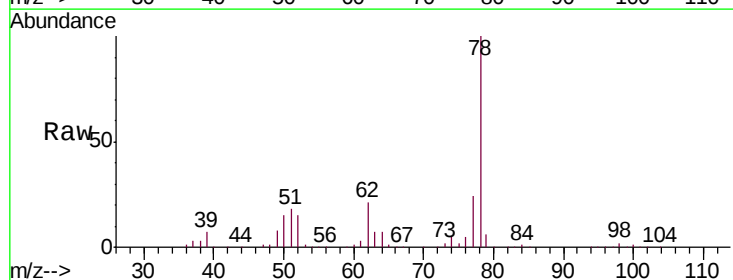
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

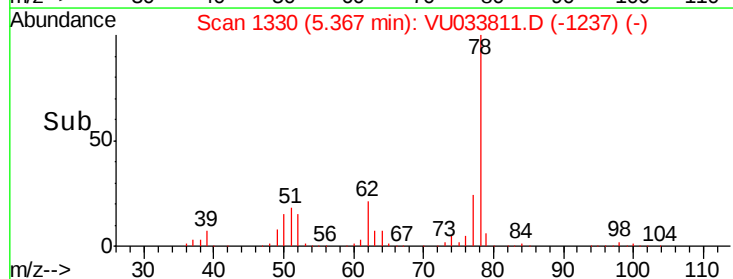
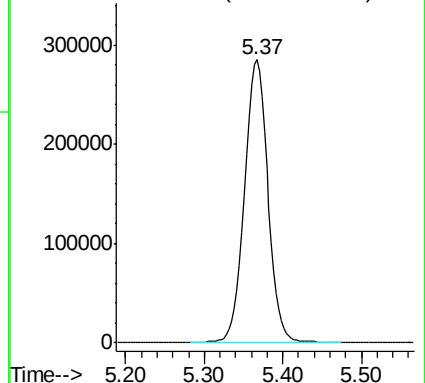
Lab File: VU033811.D

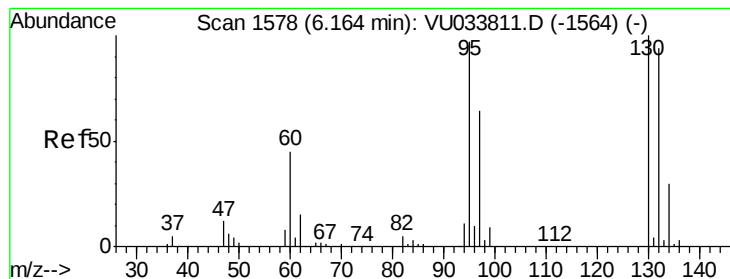
Acq: 15 Aug 2019 15:27

Tgt Ion: 78 Resp: 602548



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.608 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

Tgt Ion: 95 Resp: 156660

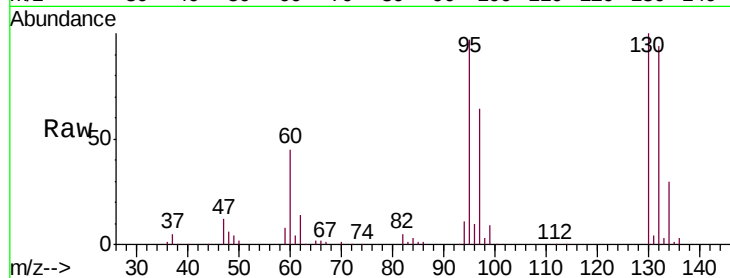
Ion Ratio Lower Upper

95 100

97 66.2 46.3 86.1

132 97.0 67.9 126.1

130 102.8 72.0 133.6

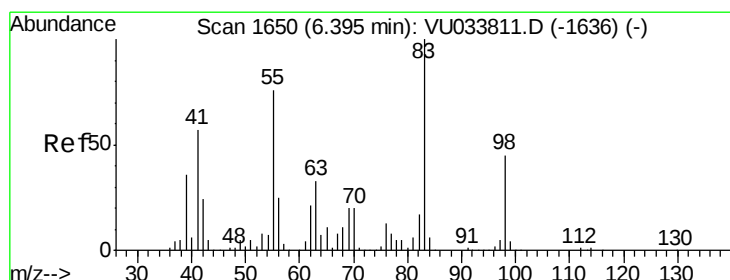
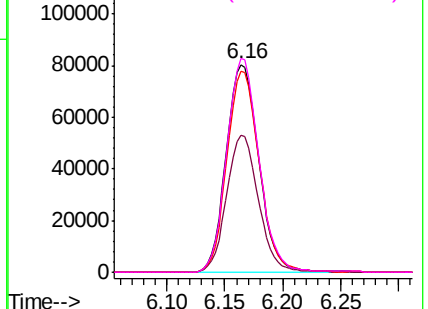
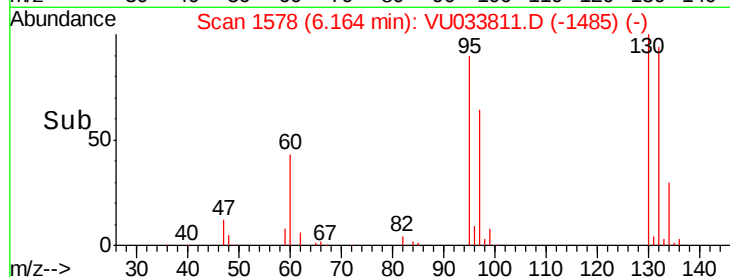


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.191 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

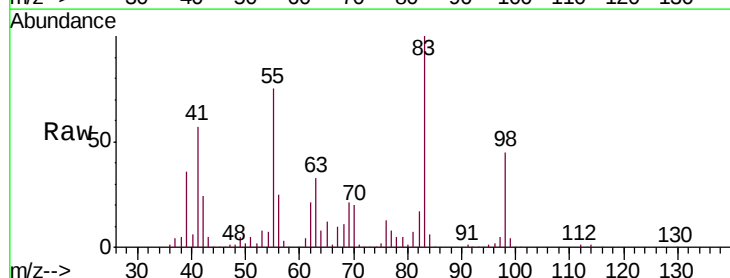
Tgt Ion: 83 Resp: 235035

Ion Ratio Lower Upper

83 100

55 77.0 61.6 92.4

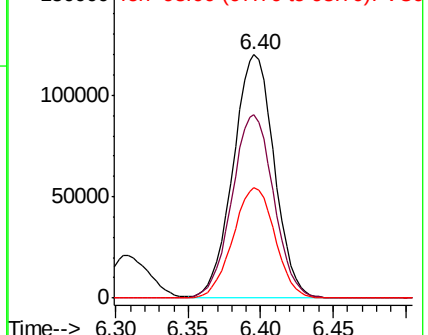
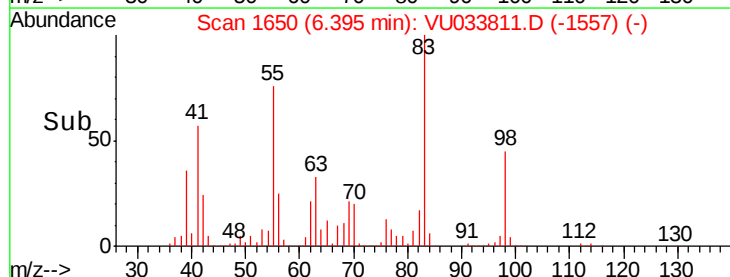
98 46.5 37.2 55.8

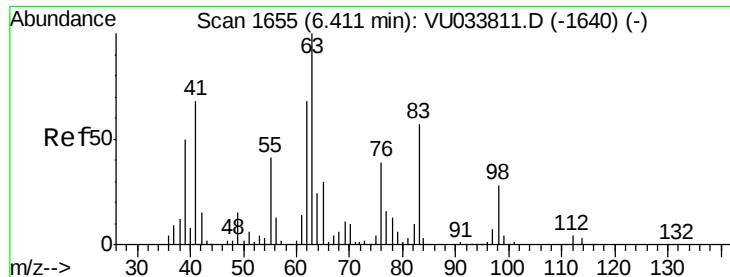


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

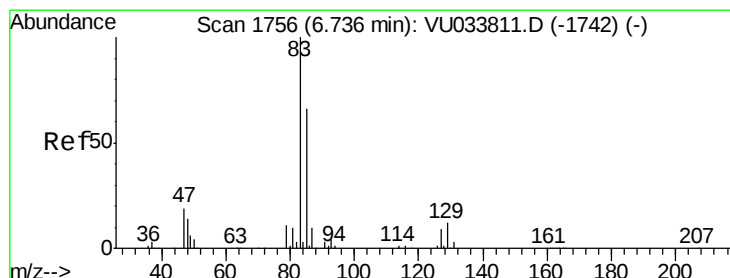
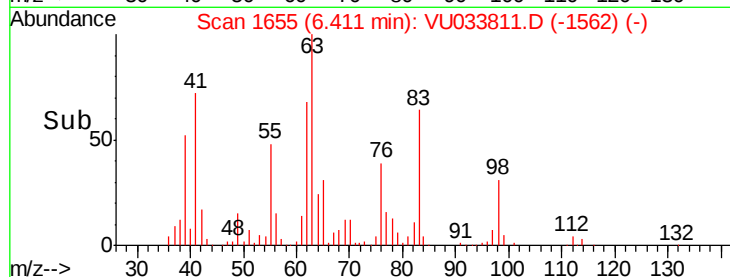
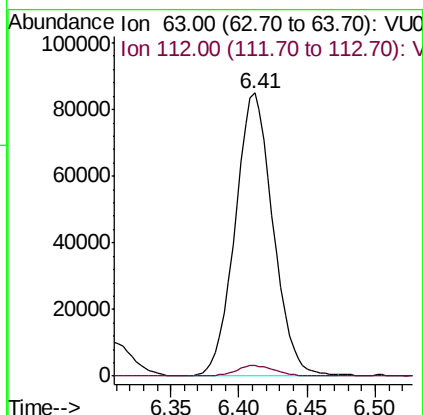
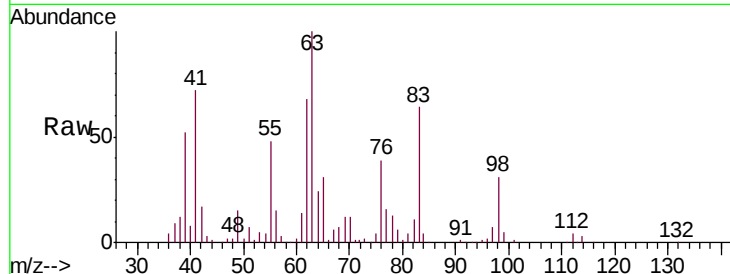




#37
 1,2-Dichloropropane
 Concen: 51.765 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

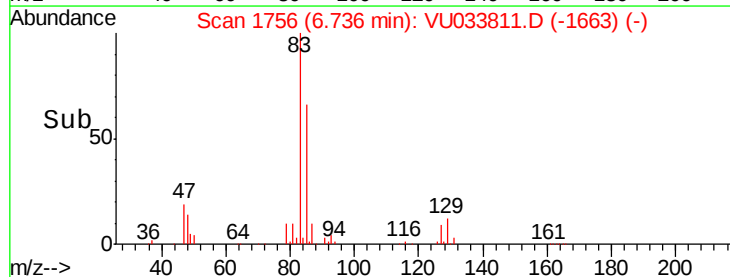
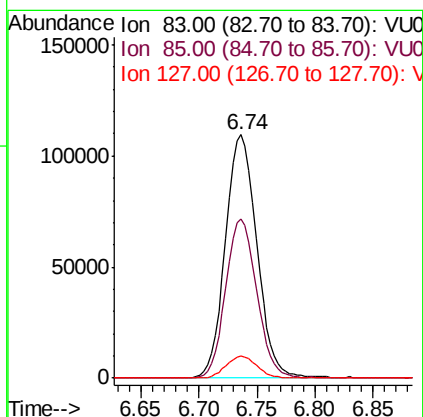
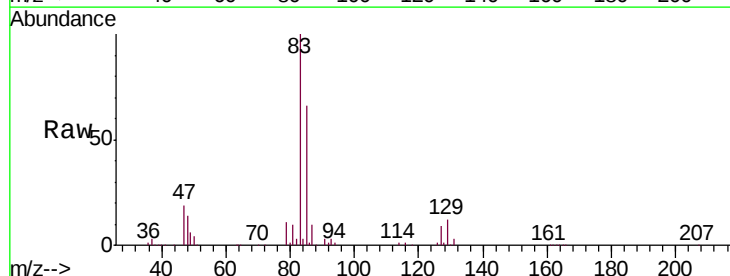
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

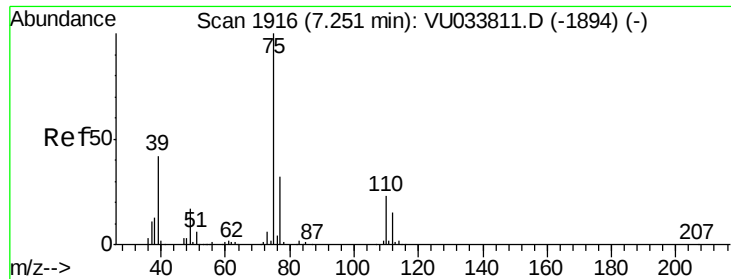
Tgt Ion: 63 Resp: 162303
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.293 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion: 83 Resp: 206326
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.9 85.3
 127 9.1 7.3 10.9

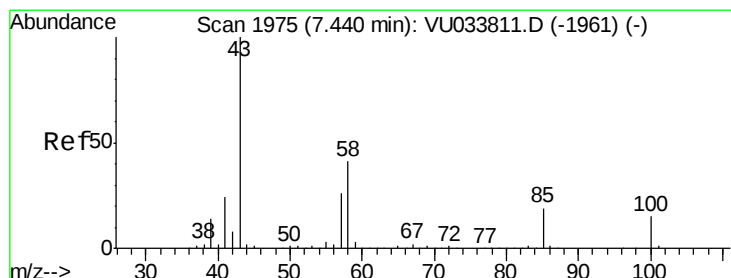
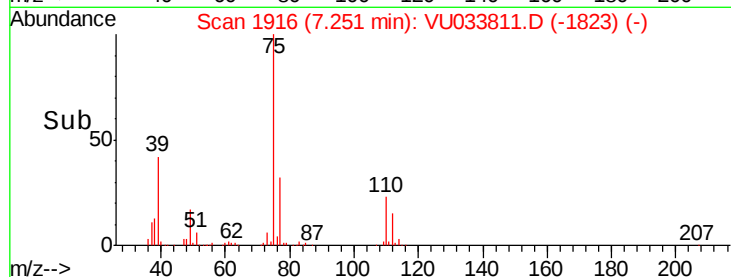
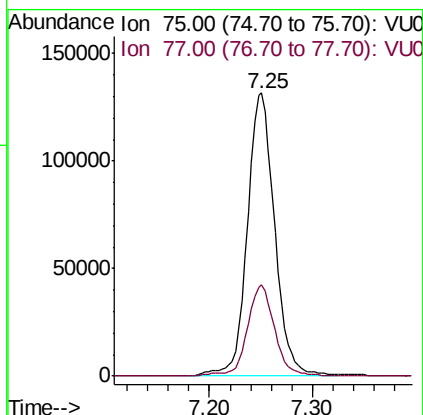
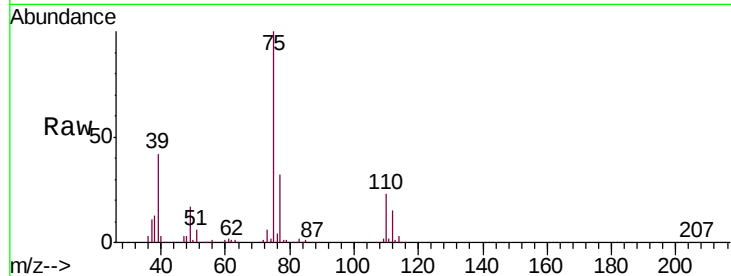




#39
 cis-1,3-Dichloropropene
 Concen: 49.077 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

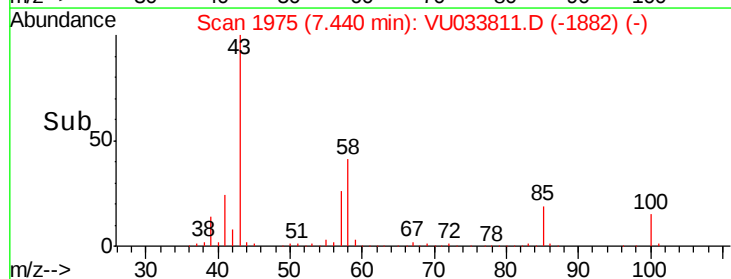
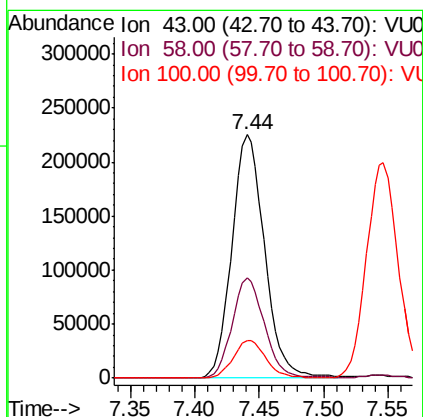
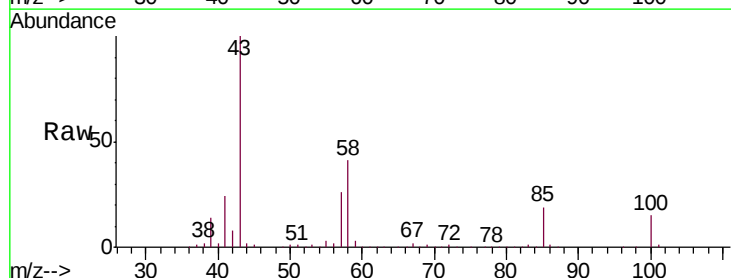
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05036

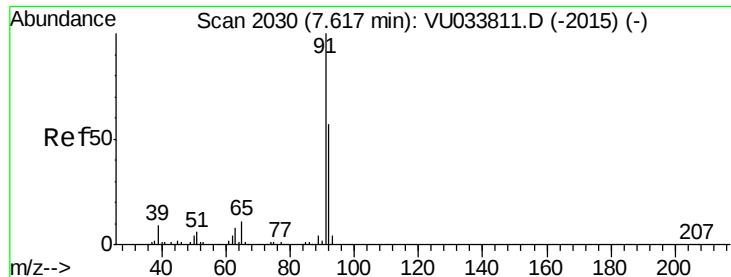
Tgt Ion: 75 Resp: 242165
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 88.634 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion: 43 Resp: 397460
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 49.0
 100 15.5 12.4 18.6





#42

Toluene

Concen: 51.299 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

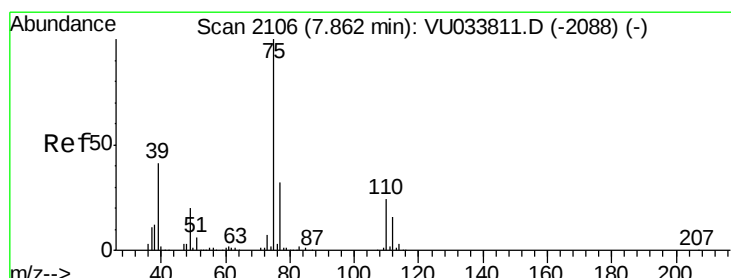
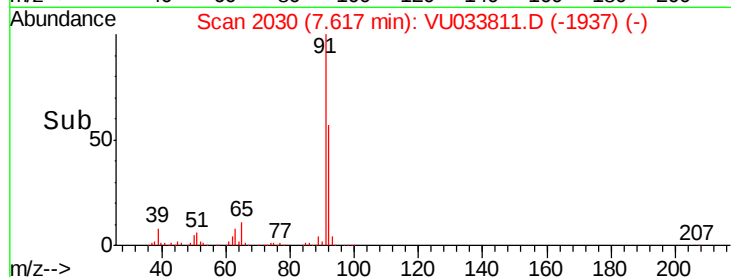
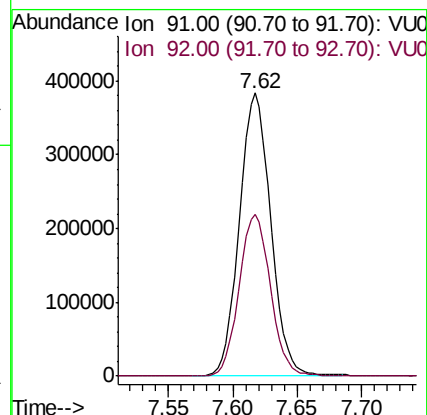
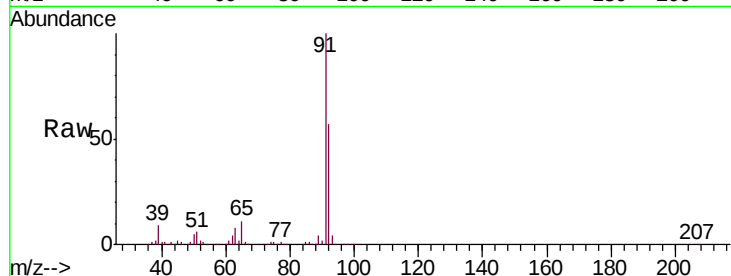
VSTD05036

Tgt Ion: 91 Resp: 649665

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 50.357 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033811.D

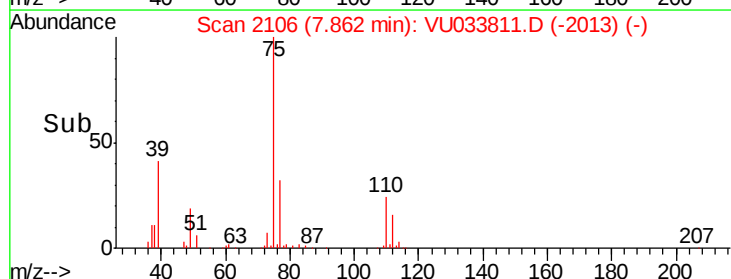
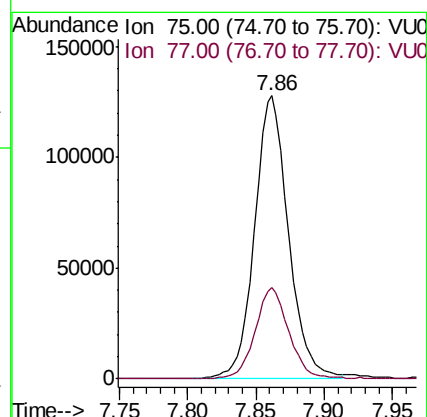
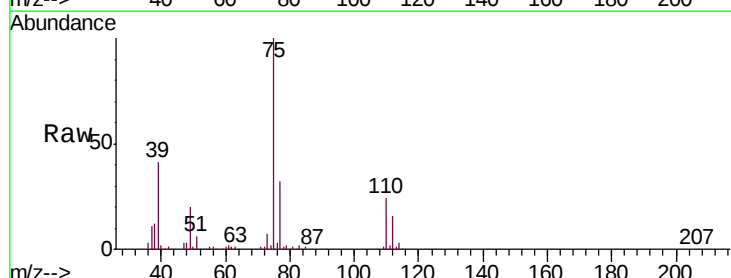
Acq: 15 Aug 2019 15:27

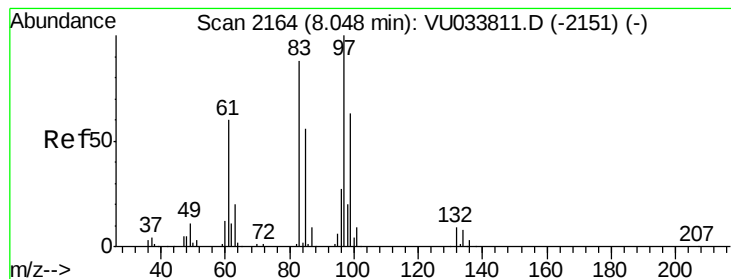
Tgt Ion: 75 Resp: 220911

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 49.828 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

Tgt Ion: 97 Resp: 151271

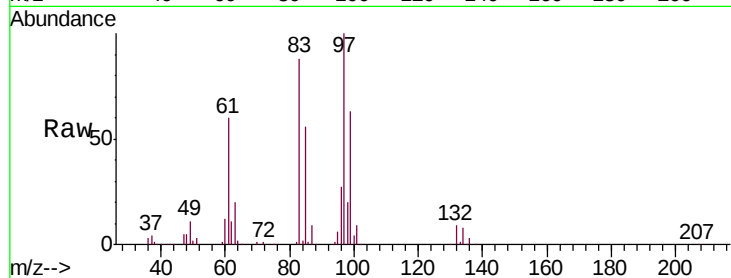
Ion Ratio Lower Upper

97 100

99 62.7 43.9 81.5

83 88.1 61.7 114.5

85 56.0 39.2 72.8

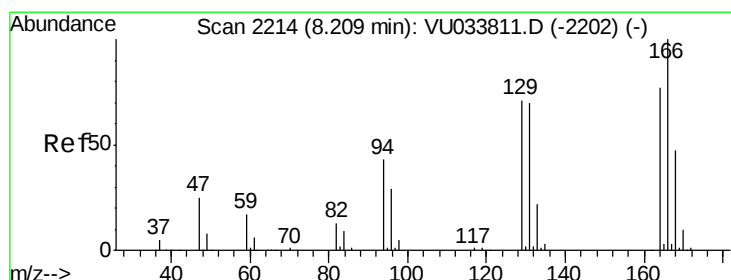
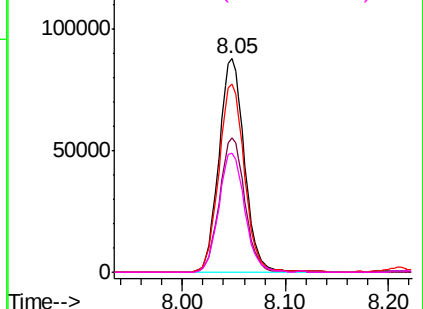
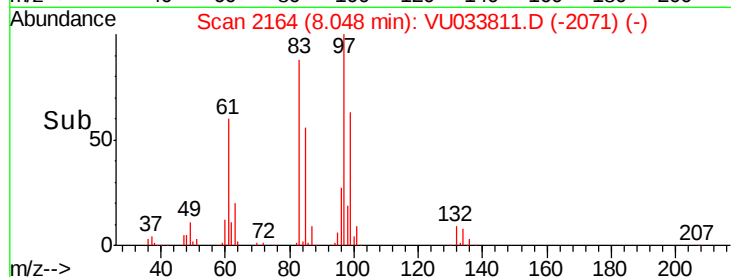


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.383 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Tgt Ion: 164 Resp: 124793

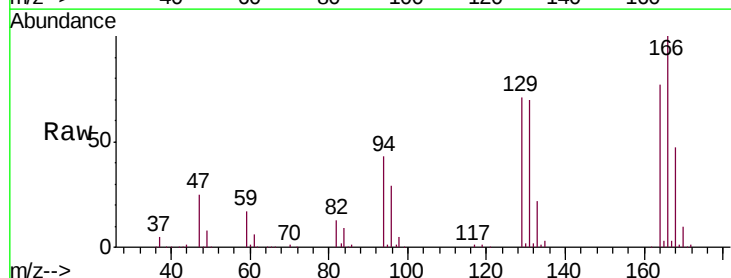
Ion Ratio Lower Upper

164 100

129 92.0 64.4 119.6

131 91.1 63.8 118.4

166 129.8 90.9 168.7

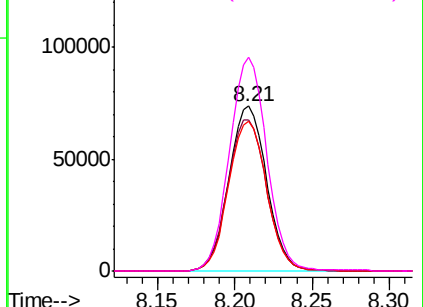
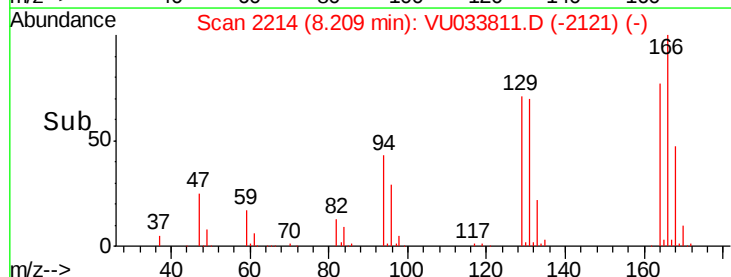


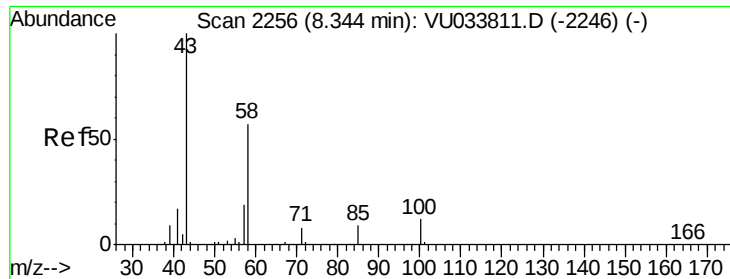
Abundance Ion 164.00 (163.70 to 164.70): V

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

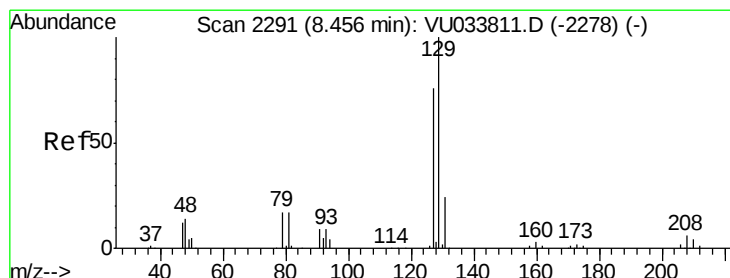
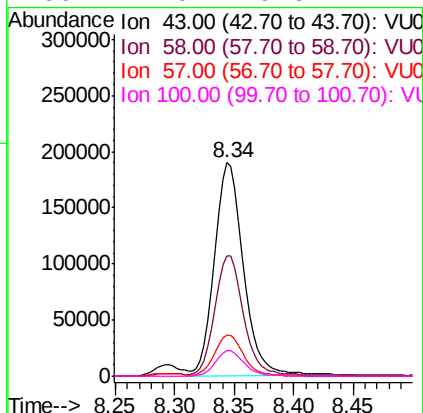
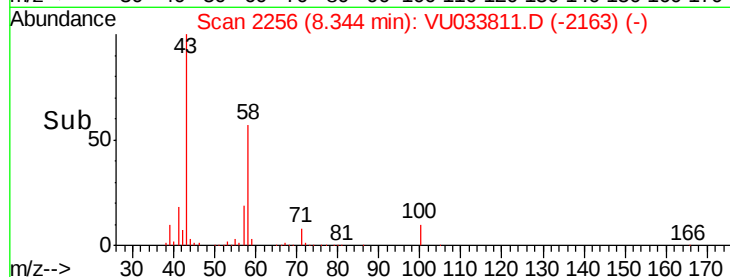
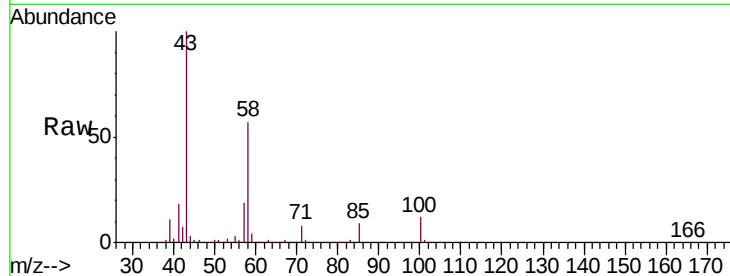




#48
2-Hexanone
Concen: 90.693 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

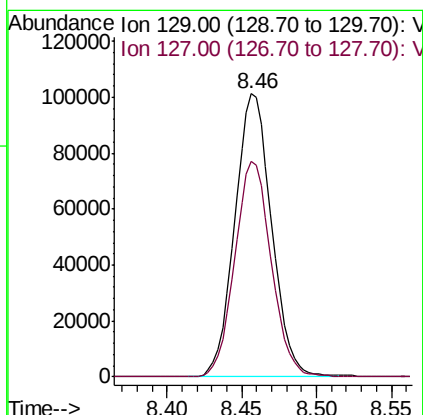
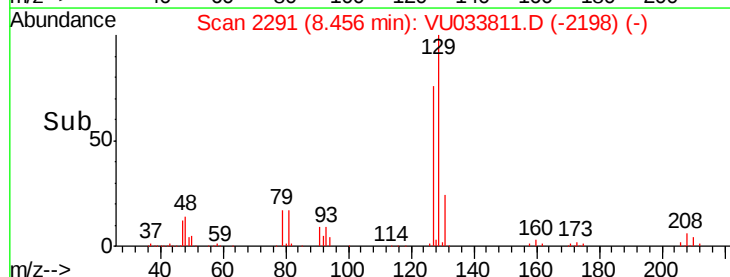
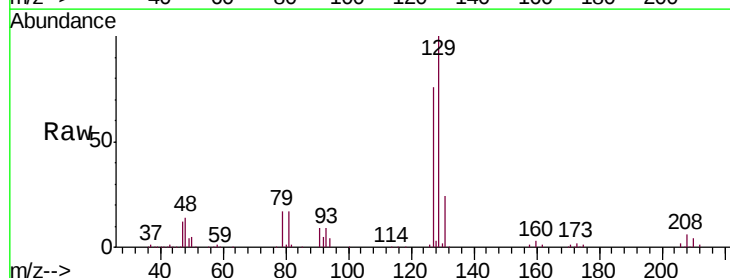
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

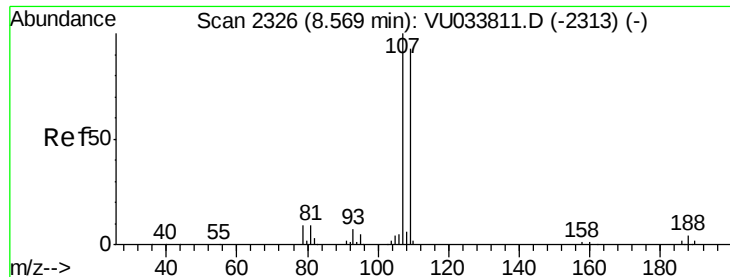
Tgt Ion:	43	Resp:	321373
Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.0	67.4
57	19.2	15.4	23.0
100	12.0	9.6	14.4



#49
Dibromochloromethane
Concen: 50.651 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion:	129	Resp:	172967
Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.4	99.2

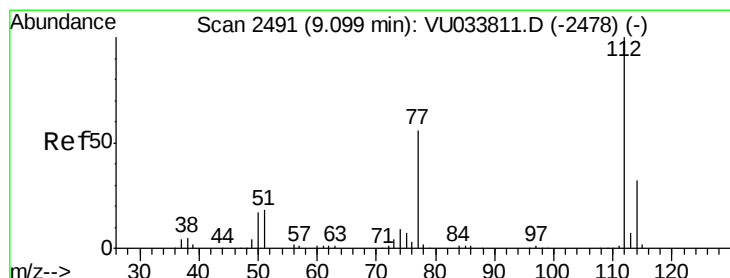
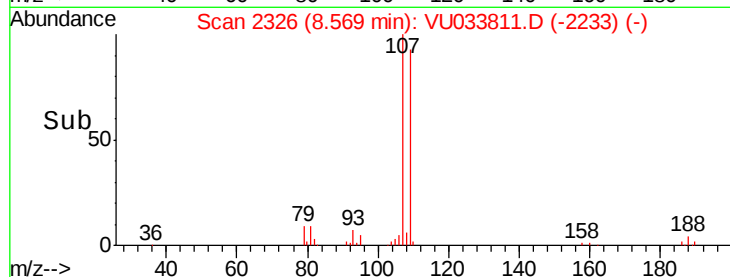
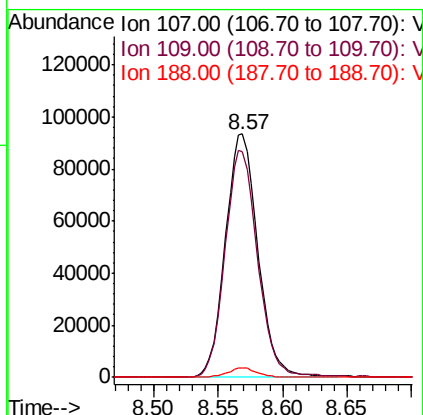
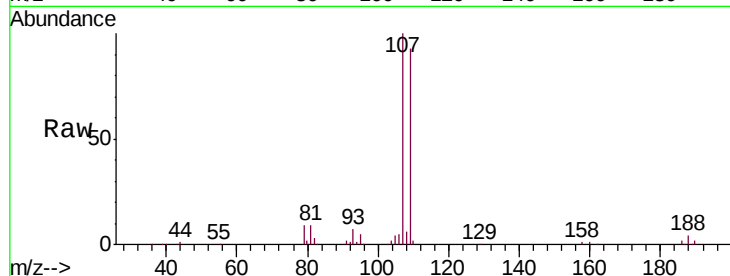




#50
1,2-Dibromoethane
Concen: 48.932 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

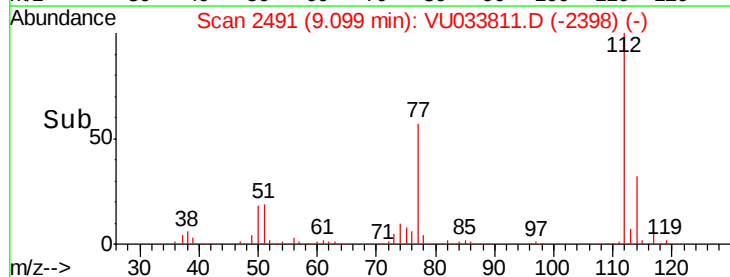
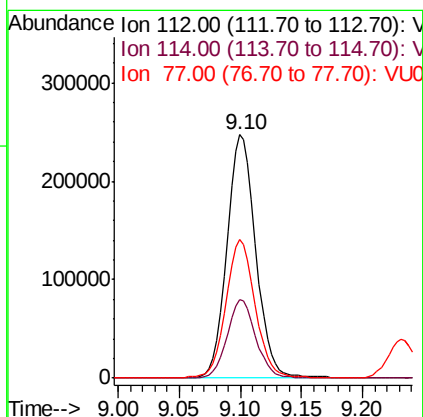
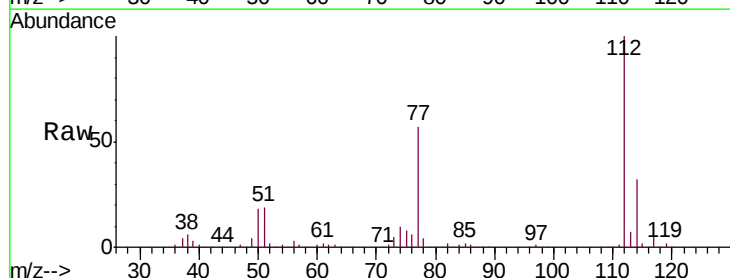
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

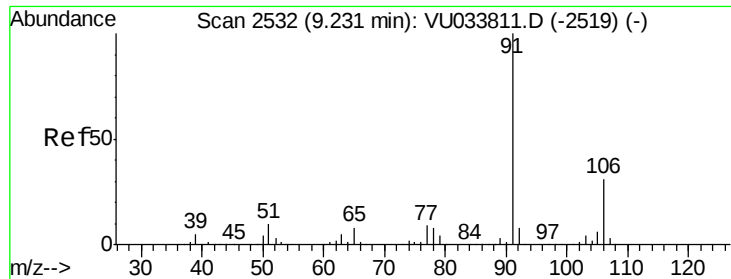
Tgt Ion:107 Resp: 163513
Ion Ratio Lower Upper
107 100
109 92.5 64.8 120.3
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 49.566 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion:112 Resp: 410516
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 56.7 45.4 68.0

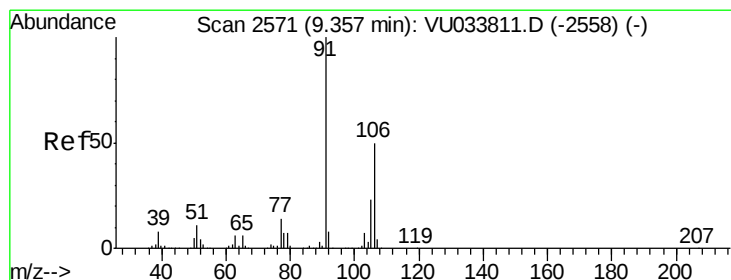
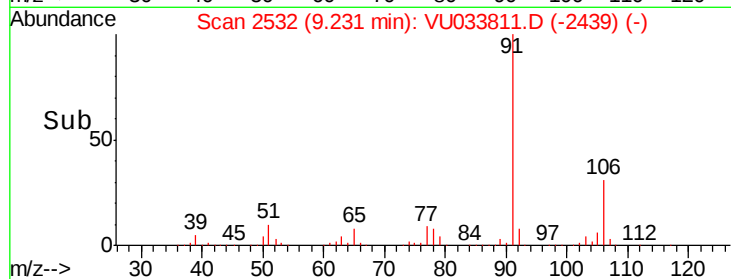
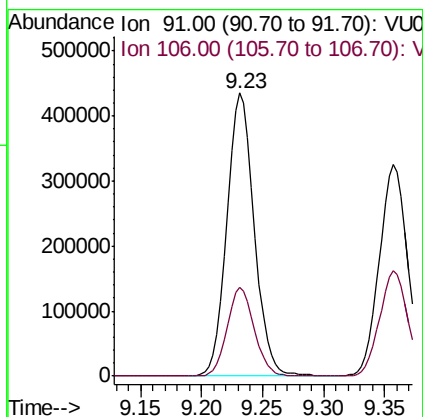
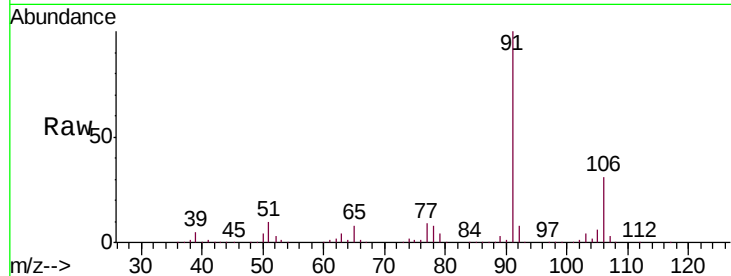




#52
Ethylbenzene
Concen: 49.698 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

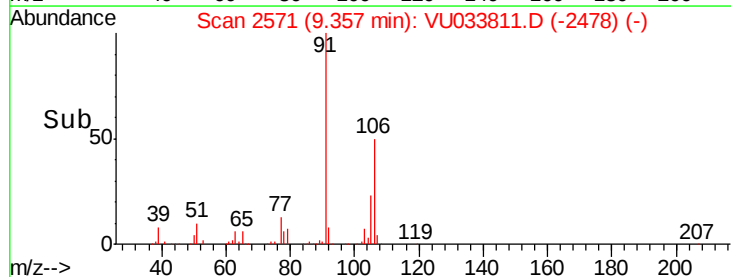
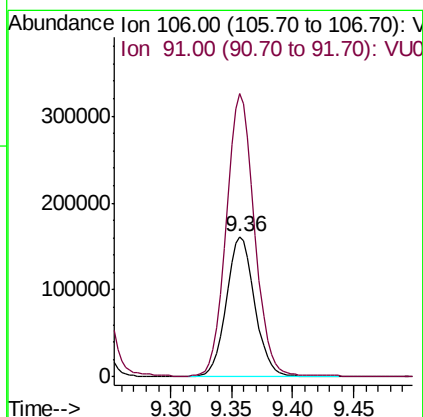
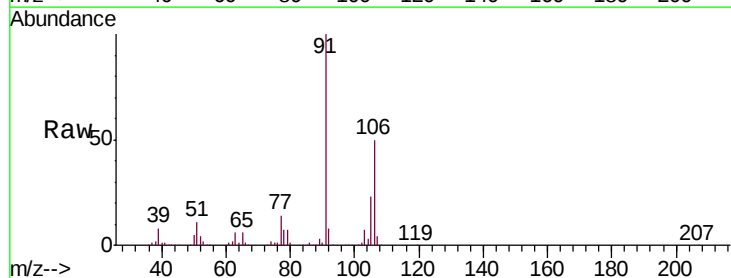
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

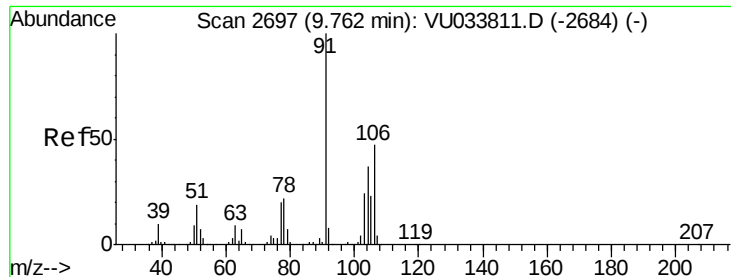
Tgt Ion: 91 Resp: 684195
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 49.796 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion: 106 Resp: 261371
Ion Ratio Lower Upper
106 100
91 201.3 140.9 261.7

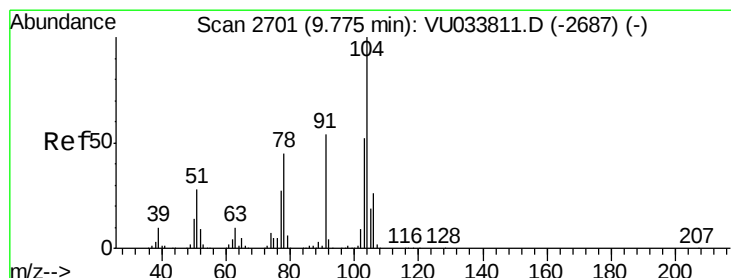
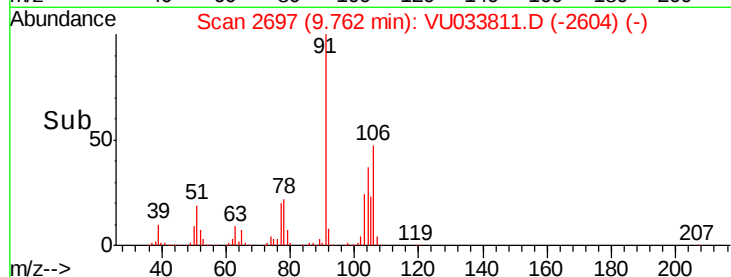
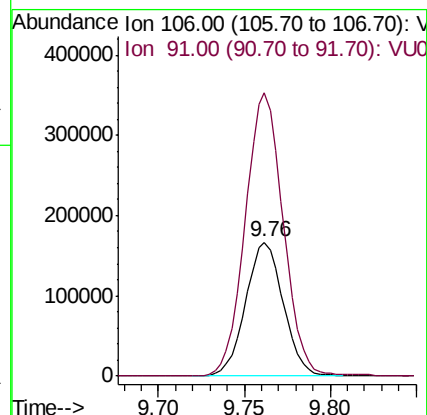
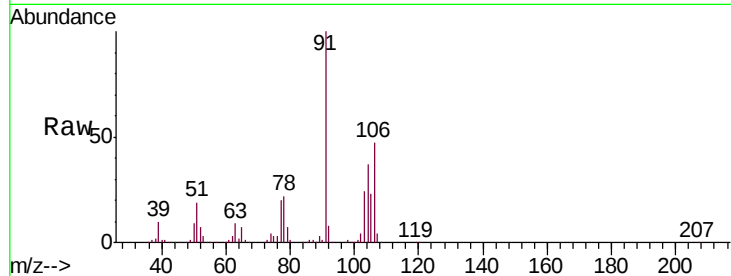




#54
o-xylene
Concen: 49.087 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

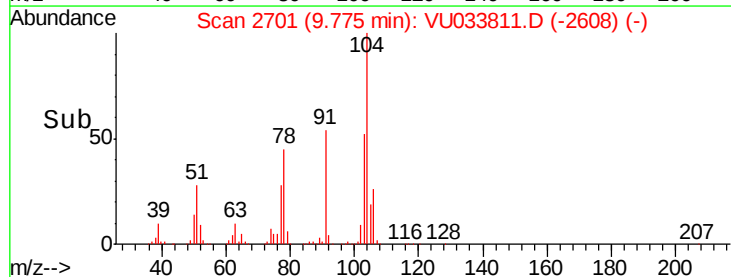
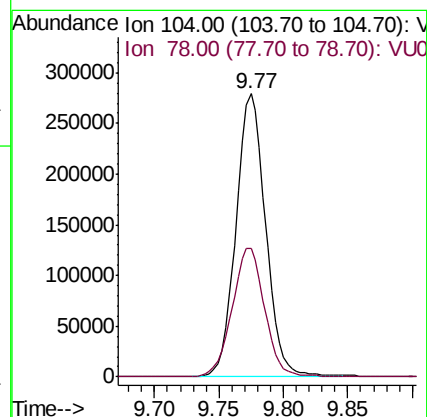
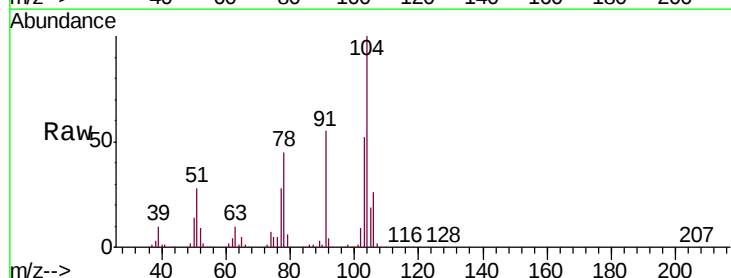
Instrument :
MSVOA_U
ClientSampleId :
VSTD05036

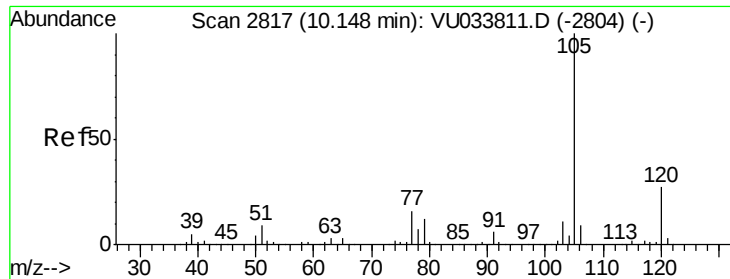
Tgt Ion:106 Resp: 254343
Ion Ratio Lower Upper
106 100
91 211.2 147.8 274.6



#55
Styrene
Concen: 51.235 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033811.D
Acq: 15 Aug 2019 15:27

Tgt Ion:104 Resp: 447604
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 48.821 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampled :

VSTD05036

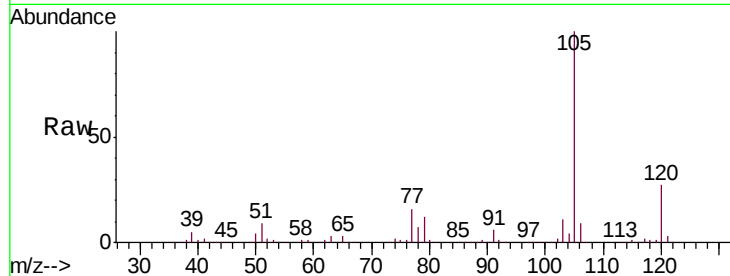
Tgt Ion: 105 Resp: 661578

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

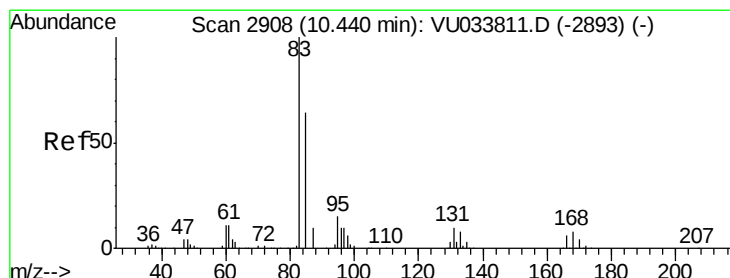
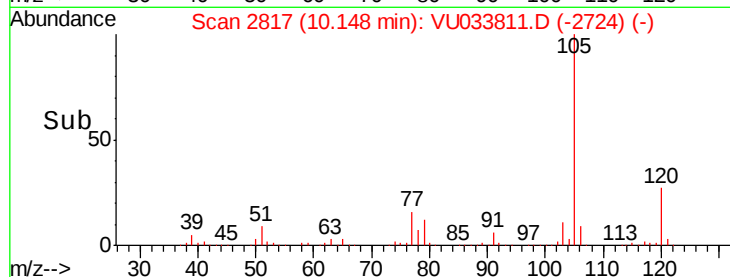
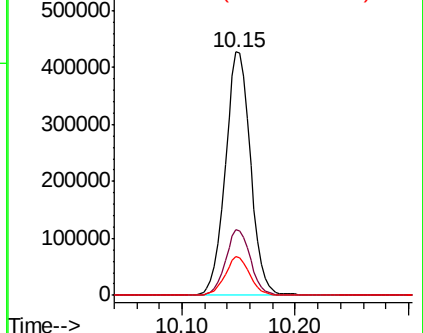
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.183 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

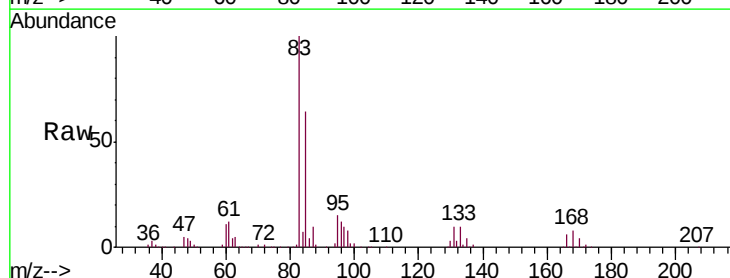
Tgt Ion: 83 Resp: 248517

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

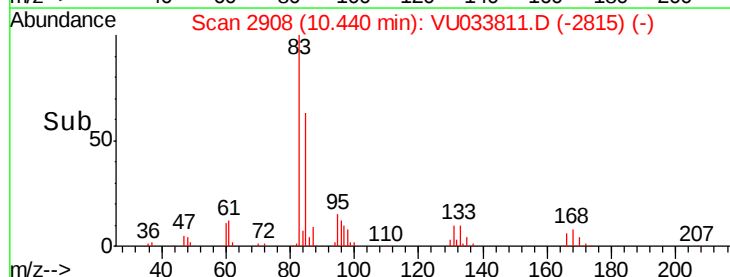
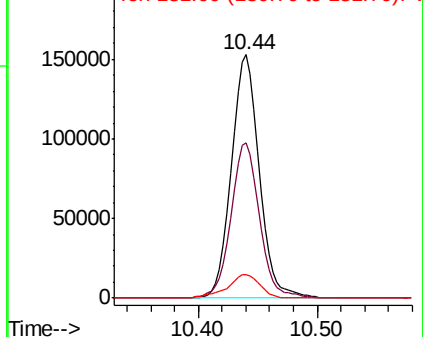
131 9.7 7.8 11.6

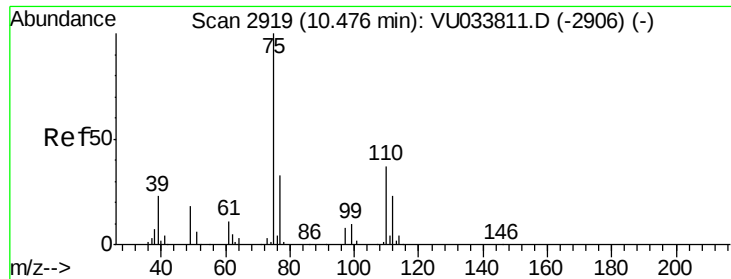


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

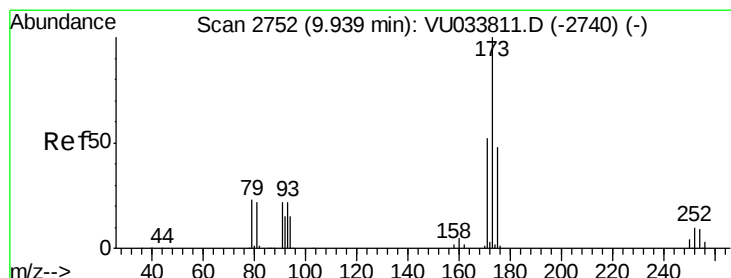
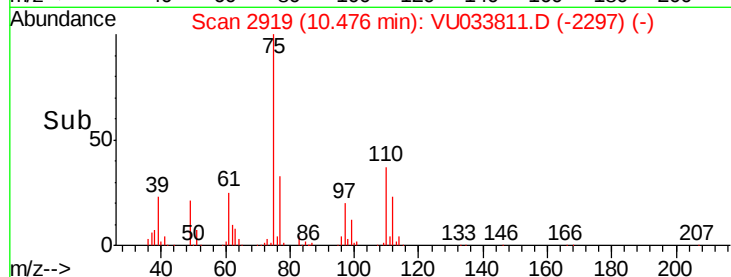
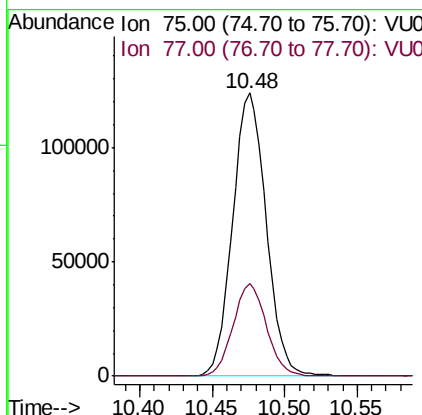
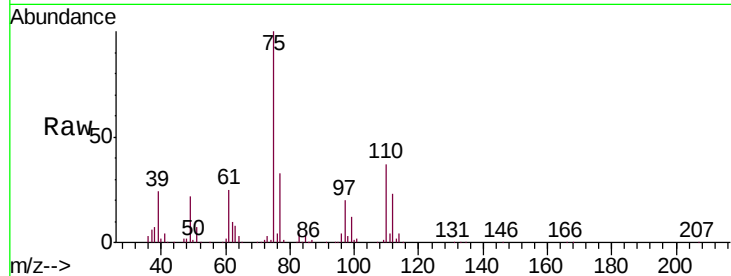




#59
 1,2,3-Trichloropropane
 Concen: 47.622 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

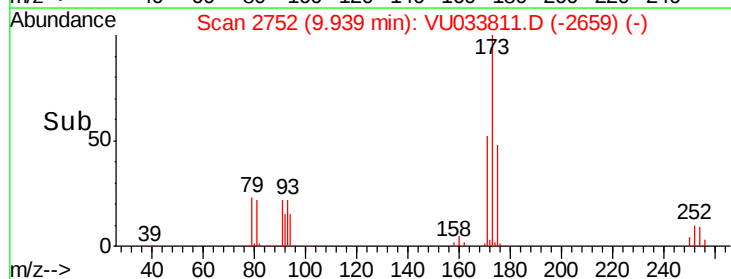
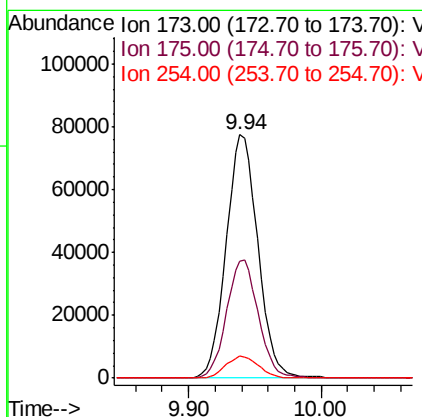
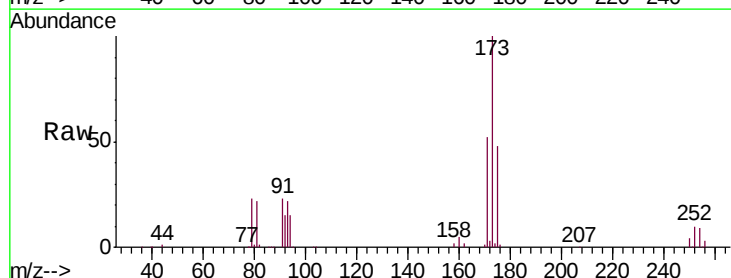
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

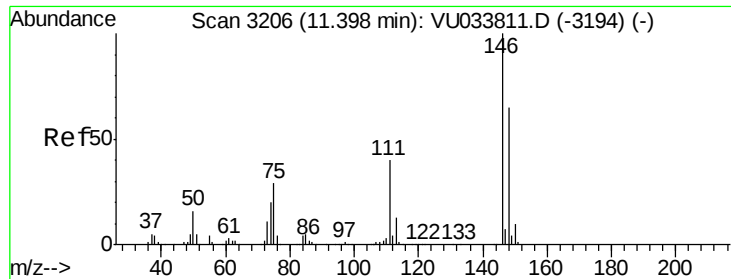
Tgt Ion: 75 Resp: 199068
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#61
 Bromoform
 Concen: 47.853 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion: 173 Resp: 129017
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 9.2 7.4 11.0

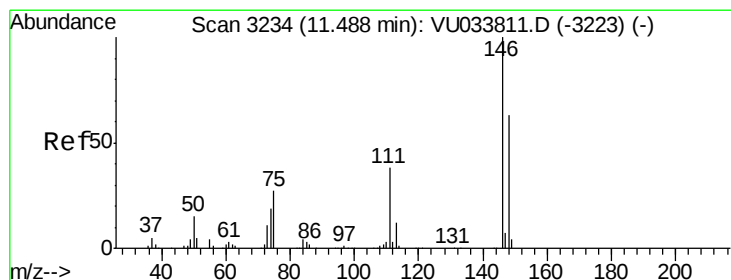
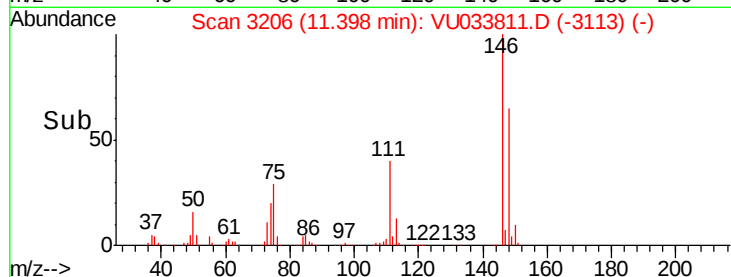
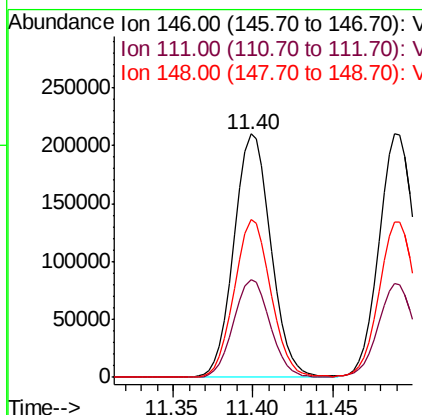
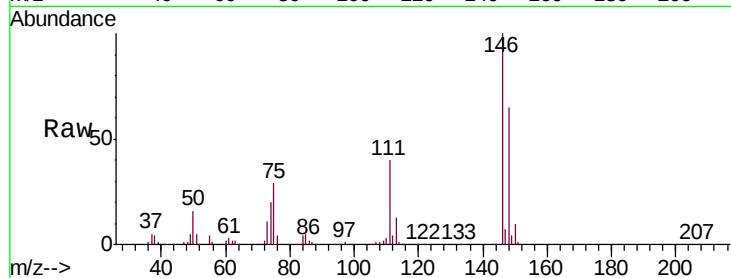




#62
 1,3-Dichlorobenzene
 Concen: 48.234 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

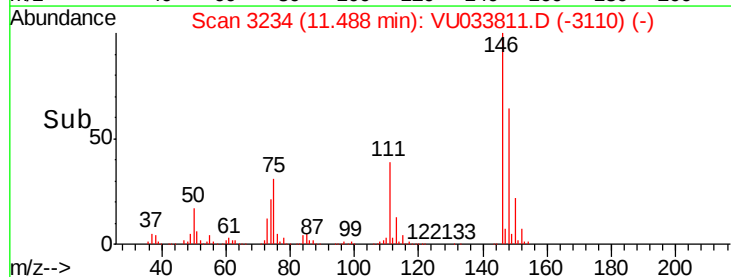
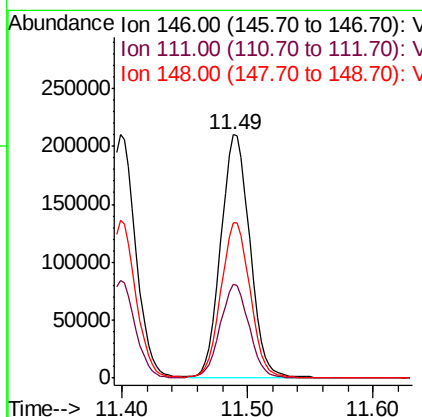
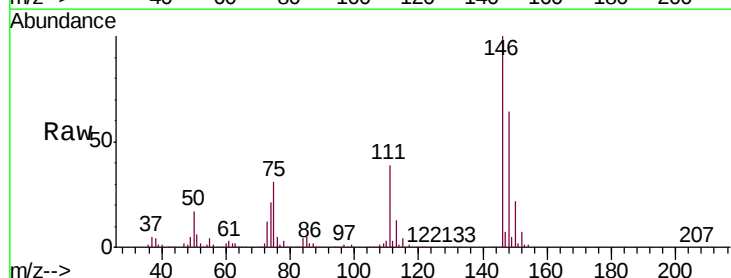
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

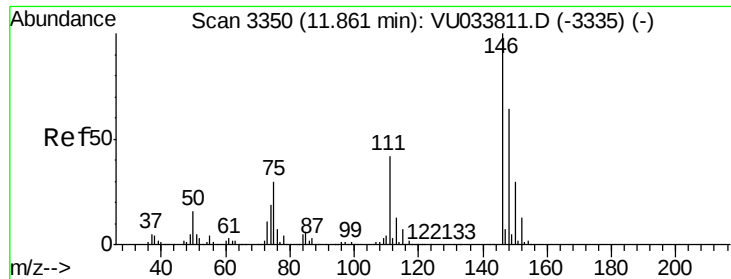
Tgt Ion:146 Resp: 329719
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.1
 148 64.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 48.518 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion:146 Resp: 336221
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.0 50.2
 148 63.6 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 49.070 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampled :

VSTD05036

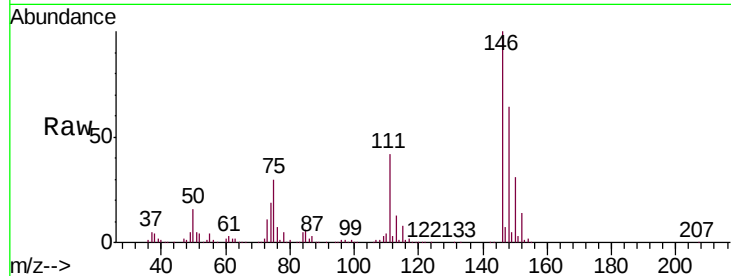
Tgt Ion:146 Resp: 331673

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

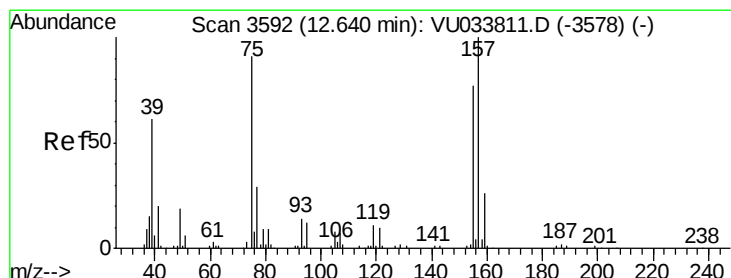
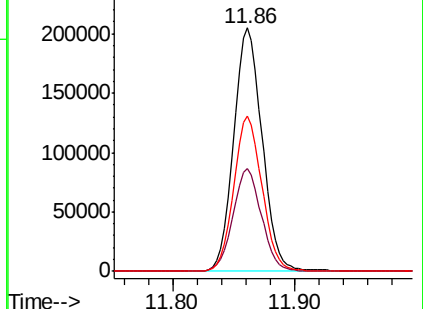
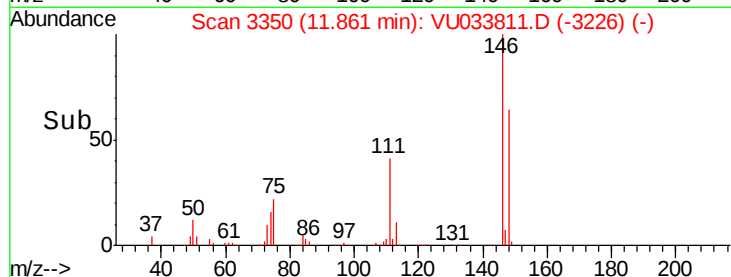
148 63.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 43.451 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

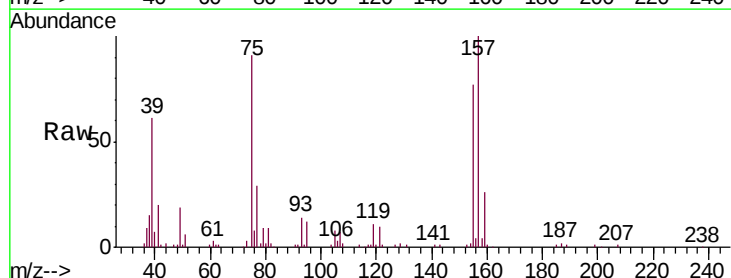
Tgt Ion: 75 Resp: 53959

Ion Ratio Lower Upper

75 100

155 84.4 67.5 101.3

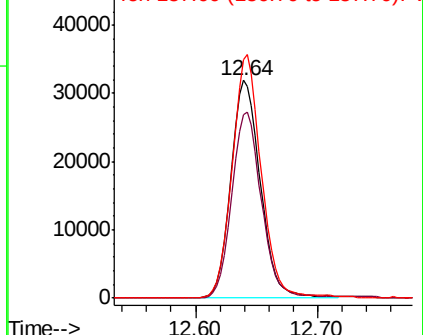
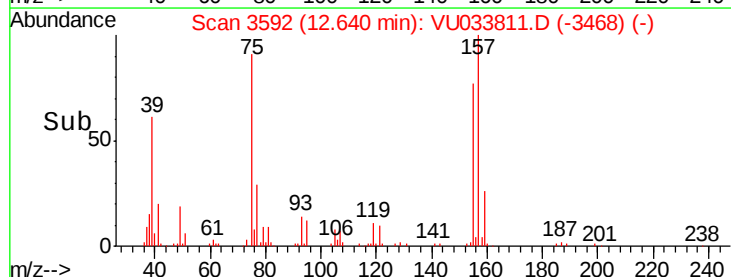
157 109.6 87.7 131.5

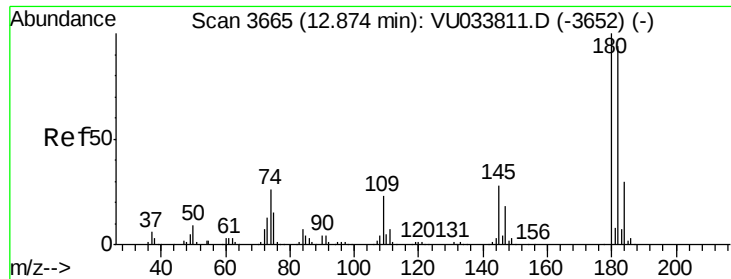


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

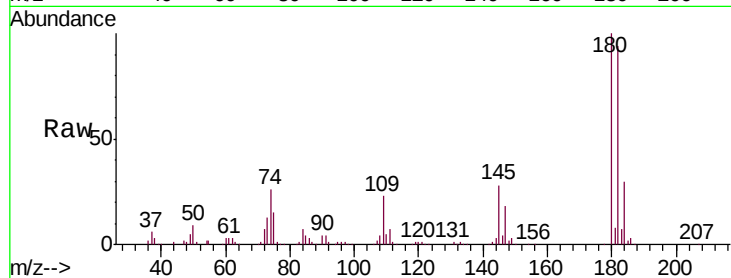




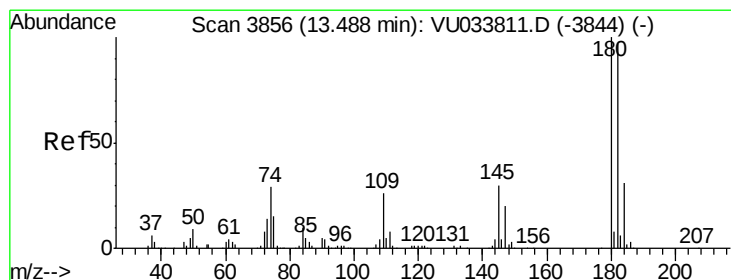
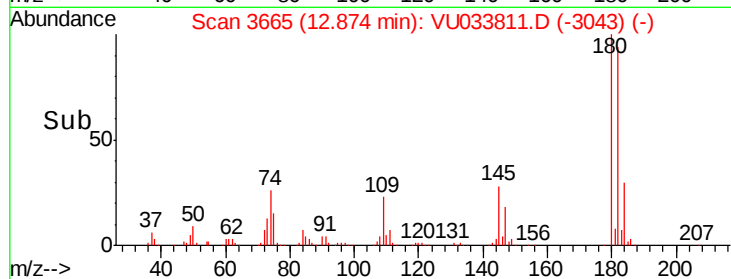
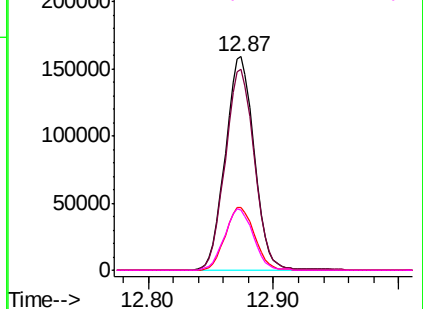
#67
 1,3,5-Trichlorobenzene
 Concen: 47.232 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Tgt Ion:	180	Resp:	254430
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	29.8	23.8	35.8
145	28.6	22.9	34.3

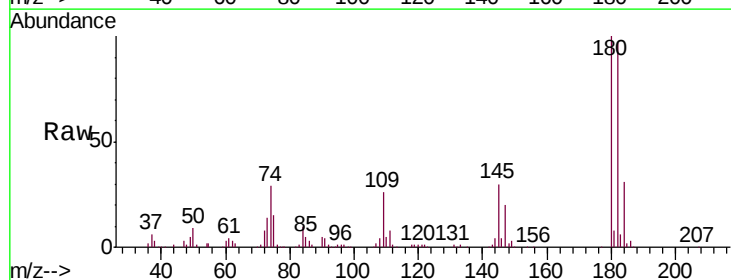


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

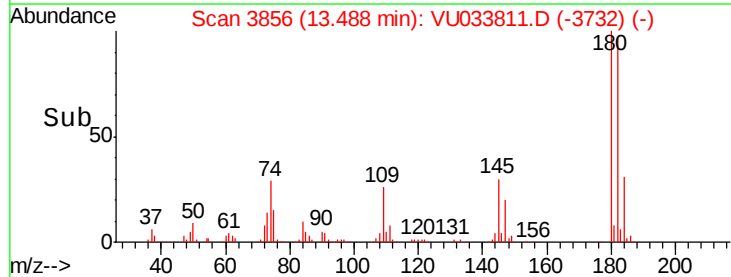
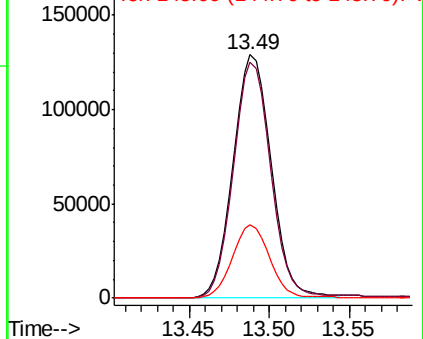


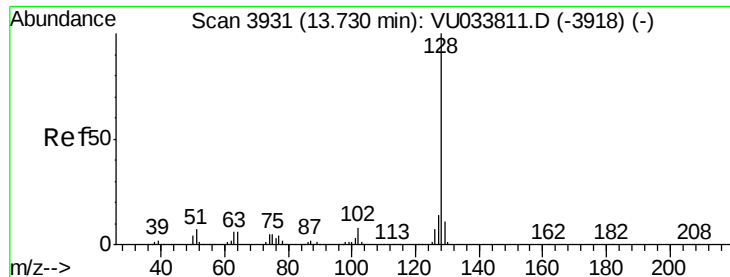
#68
 1,2,4-trichlorobenzene
 Concen: 43.860 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033811.D
 Acq: 15 Aug 2019 15:27

Tgt Ion:	180	Resp:	210059
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	29.8	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: 43.478 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05036

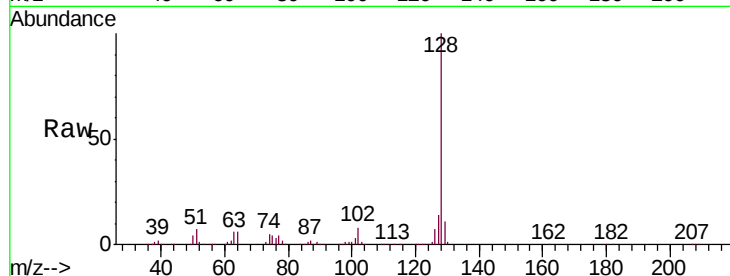
Tgt Ion:128 Resp: 617914

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

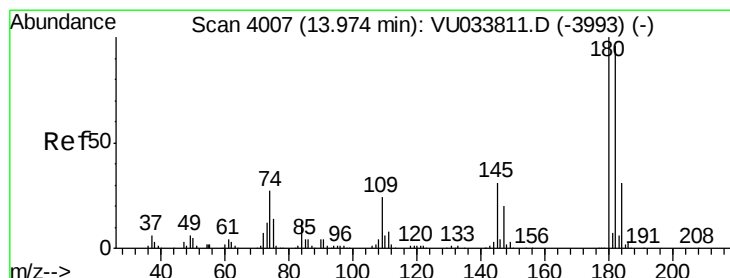
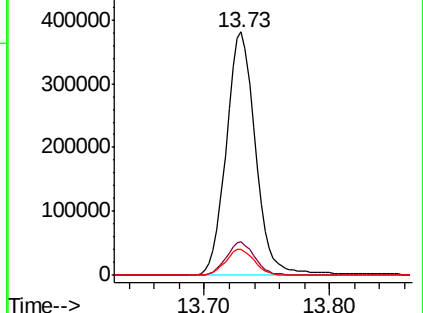
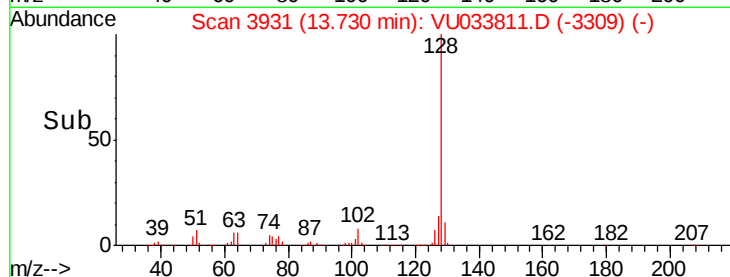
129 10.7 8.6 12.8



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: 46.103 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033811.D

Acq: 15 Aug 2019 15:27

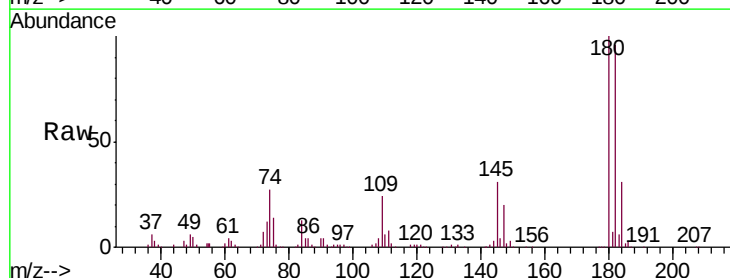
Tgt Ion:180 Resp: 231459

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 30.6 24.5 36.7



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

