

Data File : VU033809.D
Acq On : 15 Aug 2019 14:40
Operator : JC/SP
Sample : VSTD00534
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Aug 16 01:47:31 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	407767	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	414966	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	204254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	19391	6.20	ug/L	0.00
7) Chloroethane-d5	1.67	69	16544	5.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	31821	6.08	ug/L	0.00
21) 2-Butanone-d5	4.17	46	13069	6.98	ug/L	0.02
24) Chloroform-d	4.62	84	30835	6.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	19317	6.53	ug/L	0.00
32) Benzene-d6	5.32	84	54892	5.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	18807	5.99	ug/L	0.00
41) Toluene-d8	7.55	98	47500	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	7930	5.09	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	9273	6.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	25296	5.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	20598	5.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	21454	6.749 ug/L	95
3) Chloromethane	1.32	50	22112	6.754 ug/L	96
5) Vinyl chloride	1.39	62	24308	6.660 ug/L	98
6) Bromomethane	1.62	94	15789	5.268 ug/L	99
8) Chloroethane	1.69	64	15186	5.646 ug/L	98
9) Trichlorofluoromethane	1.87	101	33375	6.811 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	15284	6.040 ug/L	95
12) 1,1-Dichloroethene	2.27	96	14589	5.866 ug/L	94
13) Acetone	2.31	43	21507	11.395 ug/L	97
14) Carbon disulfide	2.46	76	46991	6.578 ug/L	97
15) Methyl Acetate	2.60	43	16005	5.108 ug/L #	73
16) Methylene chloride	2.68	84	17690	6.179 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	15406	5.836 ug/L	94
18) Methyl tert-butyl Ether	2.98	73	39815	4.693 ug/L	98
19) 1,1-Dichloroethane	3.42	63	29456	5.882 ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	15230	5.085 ug/L	97
22) 2-Butanone	4.25	43	18619	8.033 ug/L	77
23) Bromochloromethane	4.52	128	8880	5.727 ug/L	93
25) Chloroform	4.65	83	31020	5.945 ug/L	95
27) 1,2-Dichloroethane	5.39	62	22306	5.603 ug/L	97
29) Cyclohexane	4.97	56	18351	4.136 ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	25227	5.489 ug/L	98
31) Carbon tetrachloride	5.11	117	23298	5.621 ug/L	98
33) Benzene	5.37	78	59080	4.994 ug/L	100
34) Trichloroethene	6.17	95	16737	5.370 ug/L	96
35) Methylcyclohexane	6.40	83	21924	4.650 ug/L	97
37) 1,2-Dichloropropane	6.41	63	16664	5.279 ug/L #	96
38) Bromodichloromethane	6.74	83	22445	5.542 ug/L	95
39) cis-1,3-Dichloropropene	7.25	75	20334	4.093 ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	34797	7.708 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	58674	4.602	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	20676	4.681	ug/L	89
45) 1,1,2-Trichloroethane	8.05	97	16216	5.306	ug/L	98
46) Tetrachloroethene	8.21	164	13572	5.335	ug/L	98
48) 2-Hexanone	8.35	43	27169	7.616	ug/L #	91
49) Dibromochloromethane	8.46	129	17552	5.105	ug/L	98
50) 1,2-Dibromoethane	8.57	107	16841	5.006	ug/L #	99
51) Chlorobenzene	9.10	112	43571	5.225	ug/L	96
52) Ethylbenzene	9.23	91	60660	4.377	ug/L	99
53) m,p-Xylene	9.36	106	21629	4.093	ug/L	98
54) o-xylene	9.77	106	20840	3.995	ug/L	96
55) Styrene	9.78	104	32845	3.734	ug/L	98
56) Isopropylbenzene	10.15	105	52919	3.879	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	25272	4.766	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	20404	4.848	ug/L	98
61) Bromoform	9.94	173	12426	5.018	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	31183	4.967	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	34458	5.414	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	31173	5.022	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	4998	4.382	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	23449	4.740	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	16180	3.679	ug/L	97
69) Naphthalene	13.74	128	31880	2.443	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	16473	3.573	ug/L	97

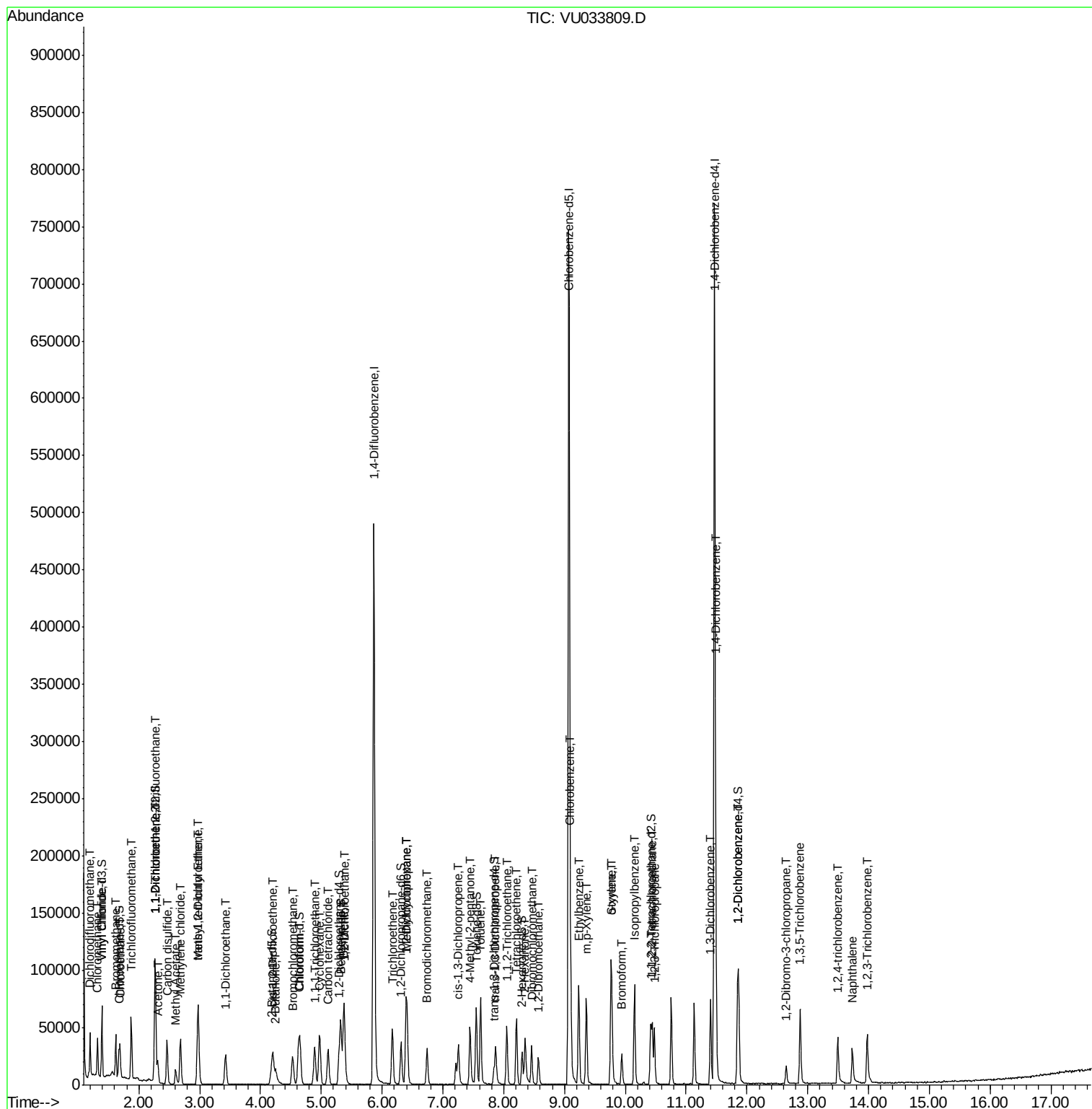
(#) = qualifier out of range (m) = manual integration (+) = signals summed

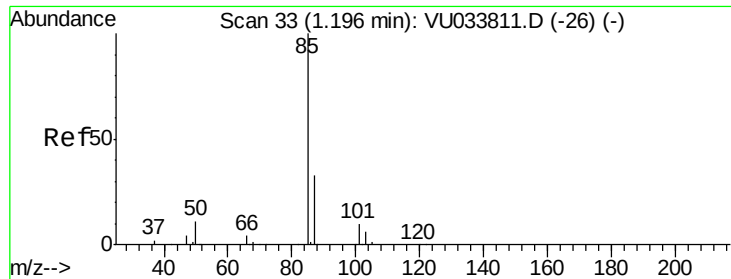
Data File : VU033809.D

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#2

Dichlorodifluoromethane

Concen: 6.749 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

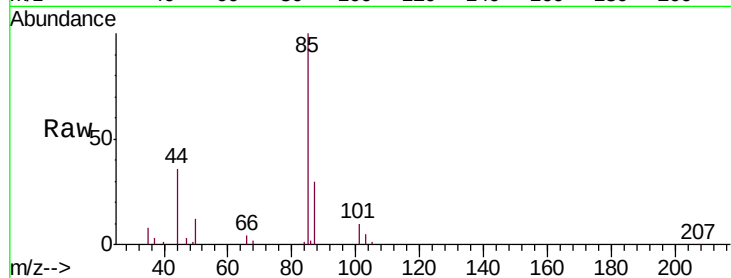
VSTD00534

Tgt Ion: 85 Resp: 21454

Ion Ratio Lower Upper

85 100

87 30.1 26.2 39.4

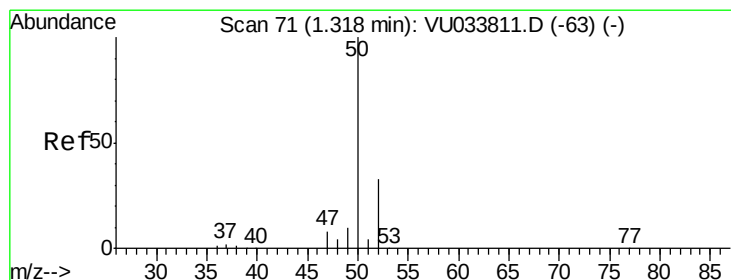
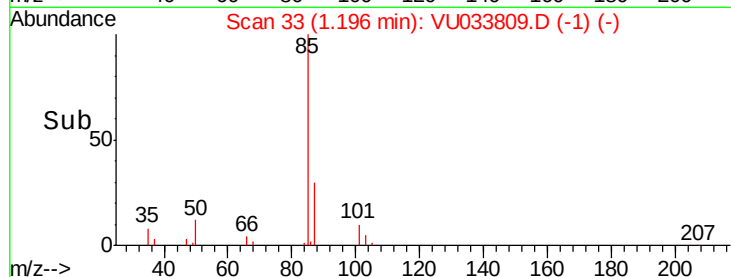


Abundance Ion 85.00 (84.70 to 85.70): VU033811.D (-26) (-)

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

1.20

Time-->



#3

Chloromethane

Concen: 6.754 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033809.D

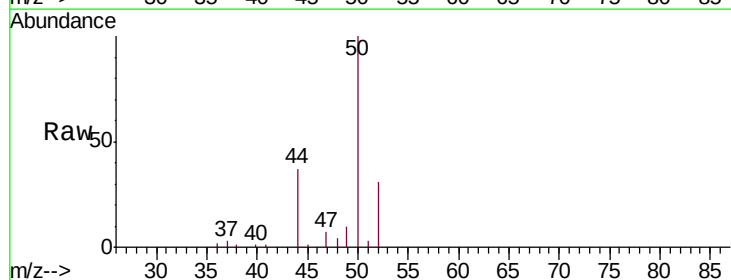
Acq: 15 Aug 2019 14:40

Tgt Ion: 50 Resp: 22112

Ion Ratio Lower Upper

50 100

52 31.0 23.3 43.3

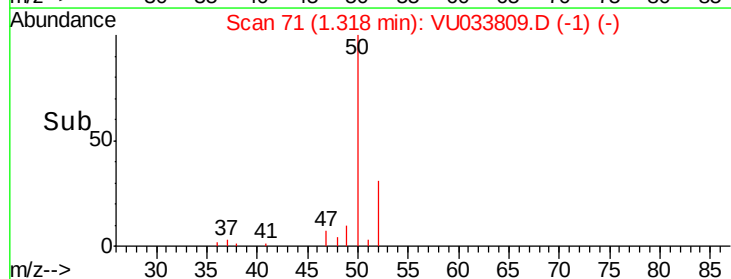


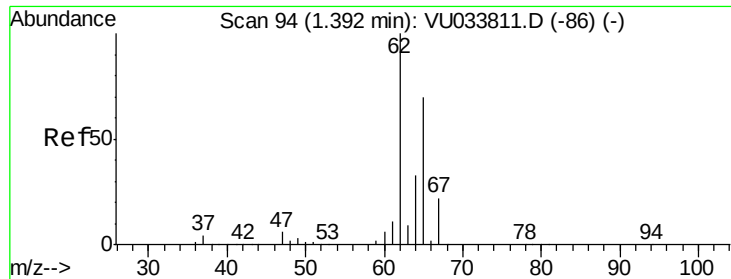
Abundance Ion 50.00 (49.70 to 50.70): VU033811.D (-63) (-)

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

1.32

Time-->





#5

Vinyl chloride

Concen: 6.660 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

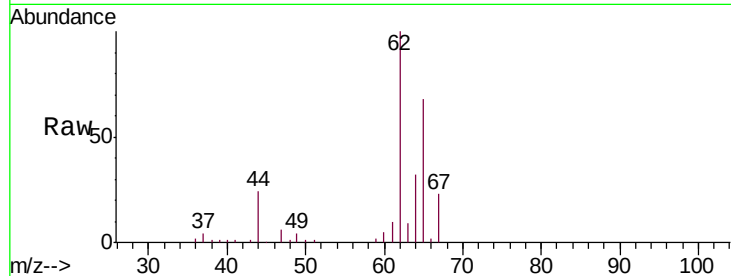
VSTD00534

Tgt Ion: 62 Resp: 24308

Ion Ratio Lower Upper

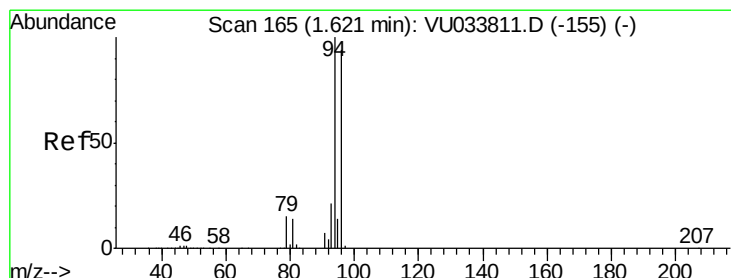
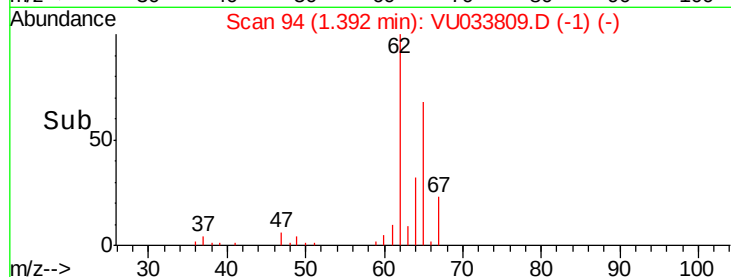
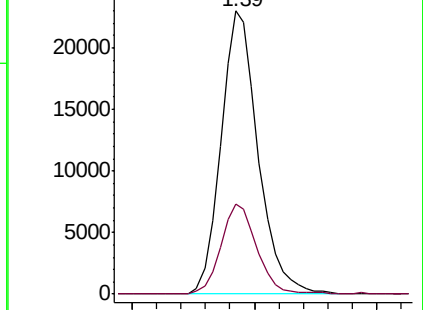
62 100

64 32.0 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: 5.268 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033809.D

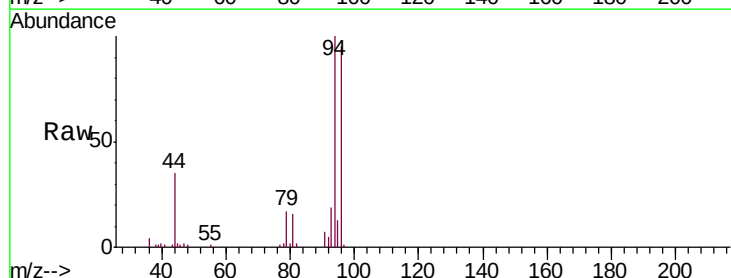
Acq: 15 Aug 2019 14:40

Tgt Ion: 94 Resp: 15789

Ion Ratio Lower Upper

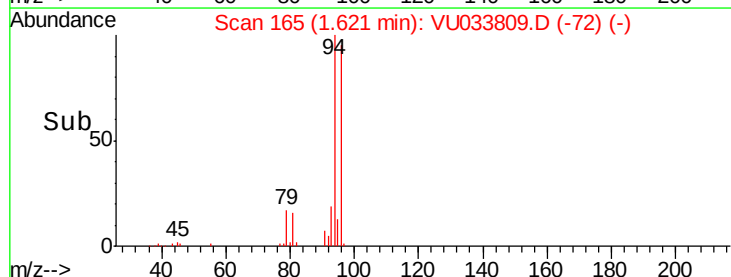
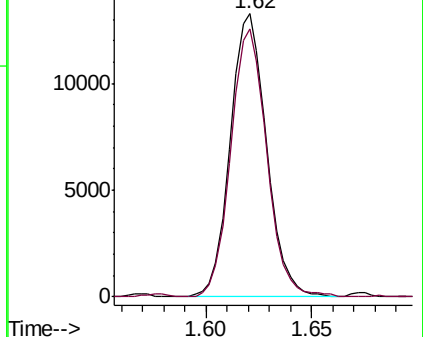
94 100

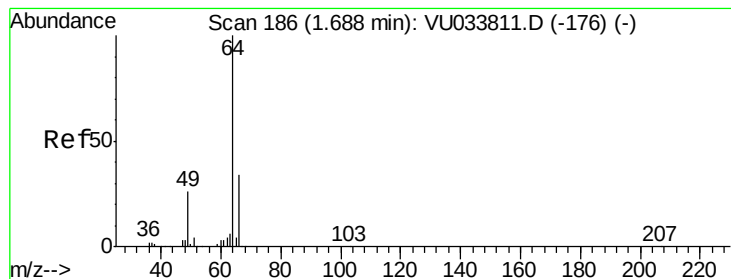
96 94.8 65.9 122.3



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: 5.646 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

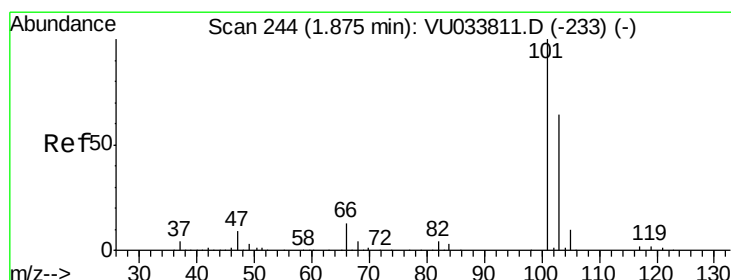
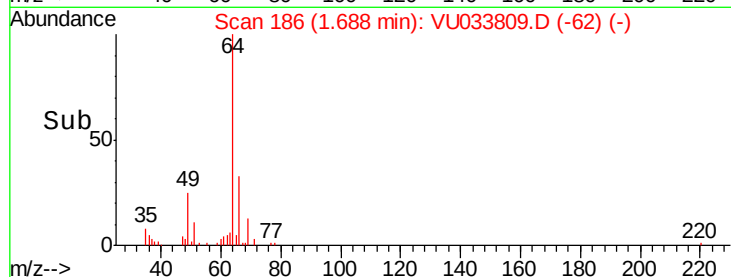
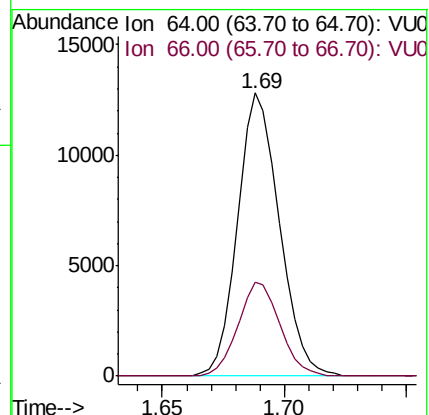
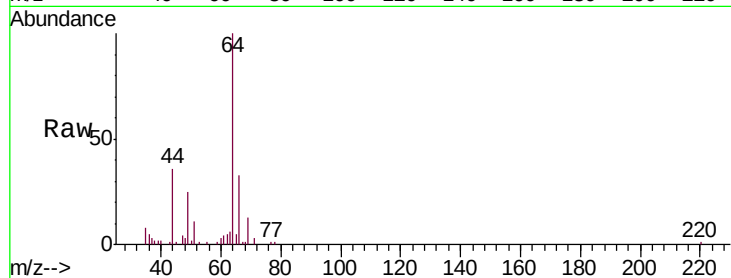
VSTD00534

Tgt Ion: 64 Resp: 15186

Ion Ratio Lower Upper

64 100

66 33.1 23.9 44.3



#9

Trichlorofluoromethane

Concen: 6.811 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033809.D

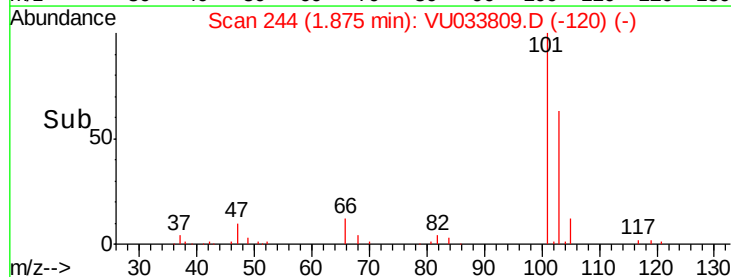
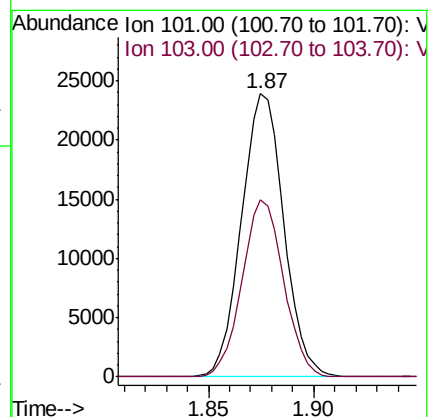
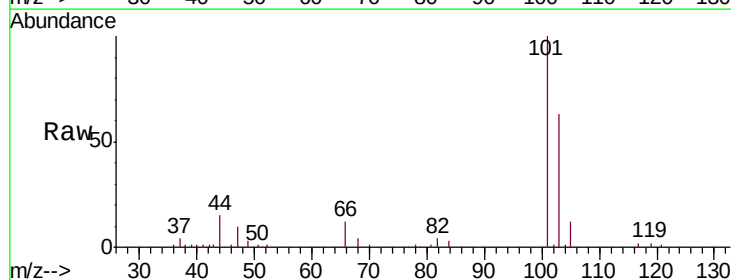
Acq: 15 Aug 2019 14:40

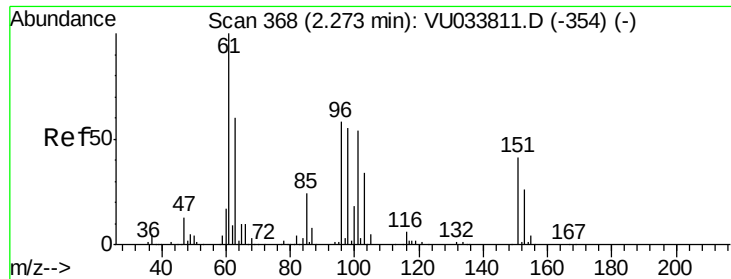
Tgt Ion: 101 Resp: 33375

Ion Ratio Lower Upper

101 100

103 61.3 51.9 77.9





#10

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

Concen: 6.040 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

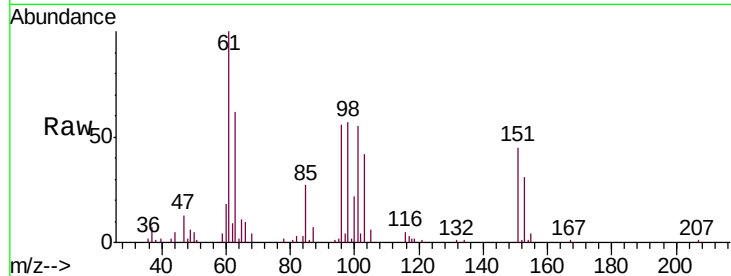
Tgt Ion:101 Resp: 15284

Ion Ratio Lower Upper

101 100

85 46.7 35.2 52.8

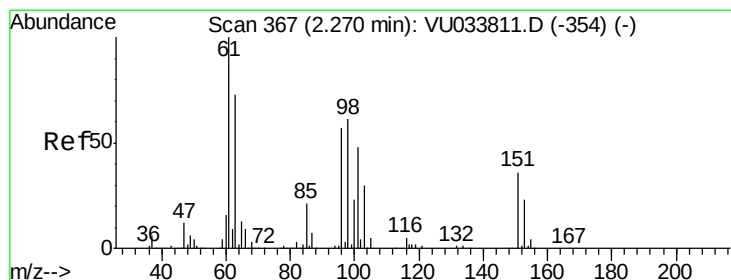
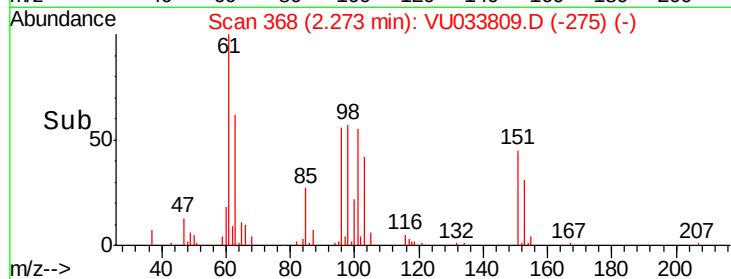
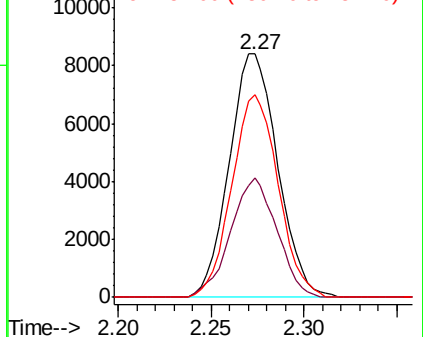
151 79.7 60.4 90.6



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: 5.866 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

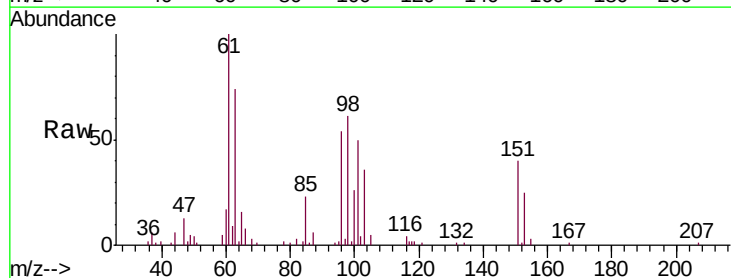
Tgt Ion: 96 Resp: 14589

Ion Ratio Lower Upper

96 100

61 184.7 123.7 229.7

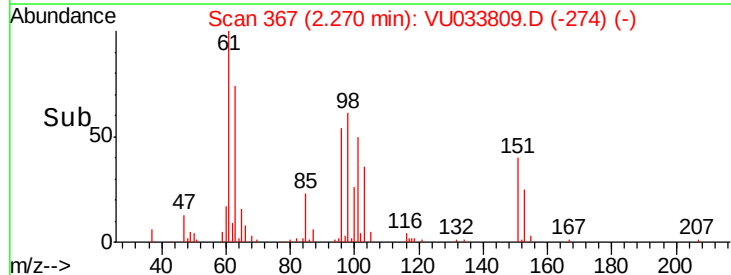
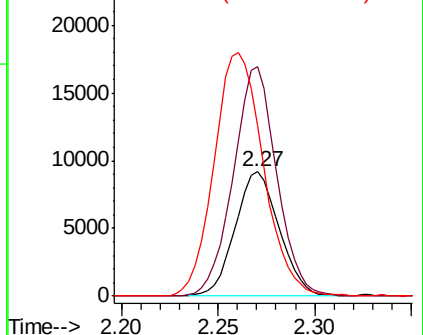
63 137.6 91.2 169.4

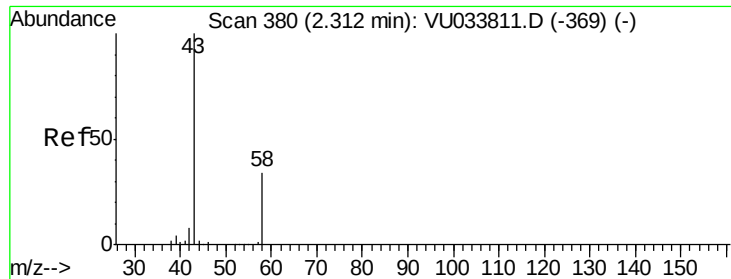


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.395 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU033809.D

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Instrument :

MSVOA_U

ClientSampleId :

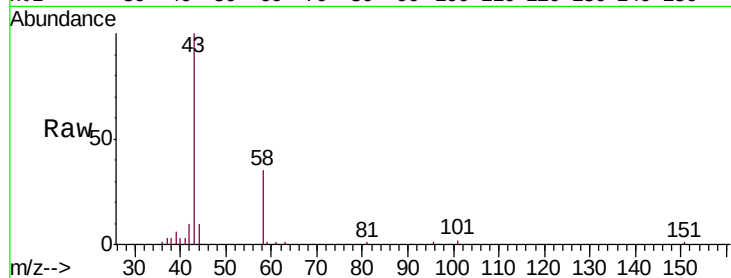
VSTD00534

Tgt Ion: 43 Resp: 21507

Ion Ratio Lower Upper

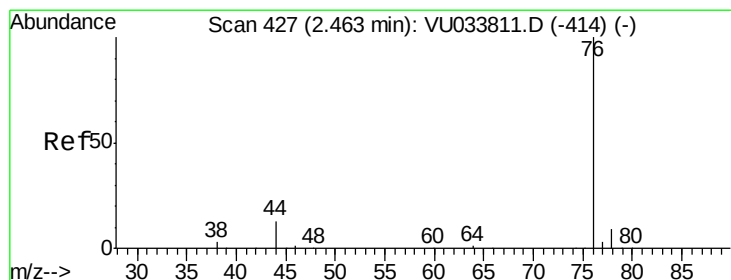
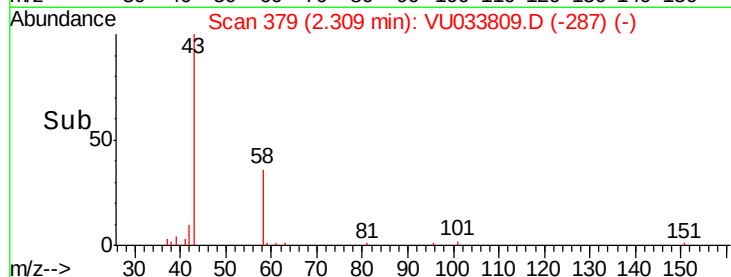
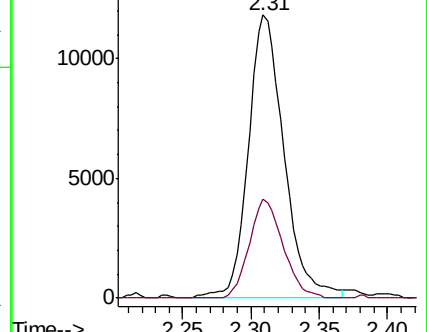
43 100

58 32.9 0.0 69.0



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

Ion 58.00 (57.70 to 58.70): VU033811.D (-369) (-)



#14

Carbon disulfide

Concen: 6.578 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033809.D

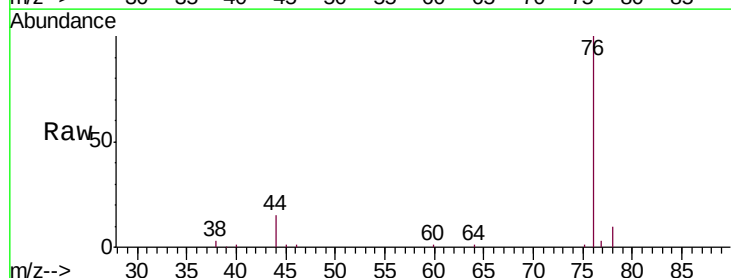
Acq: 15 Aug 2019 14:40

Tgt Ion: 76 Resp: 46991

Ion Ratio Lower Upper

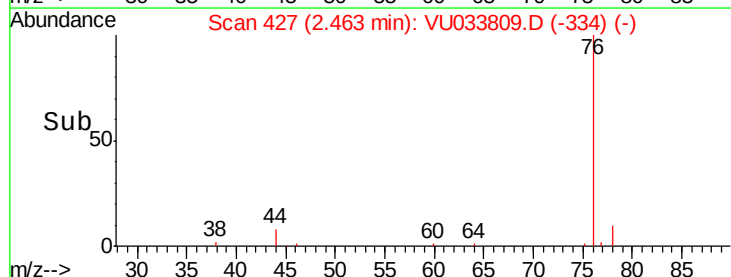
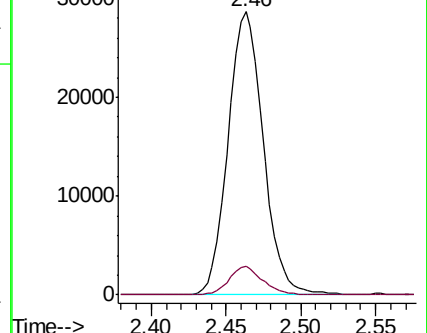
76 100

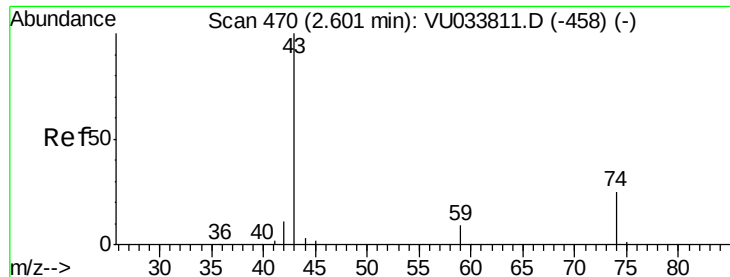
78 10.3 7.4 11.2



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

Ion 78.00 (77.70 to 78.70): VU033811.D (-414) (-)

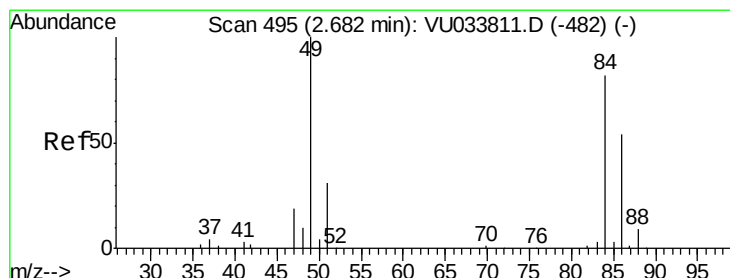
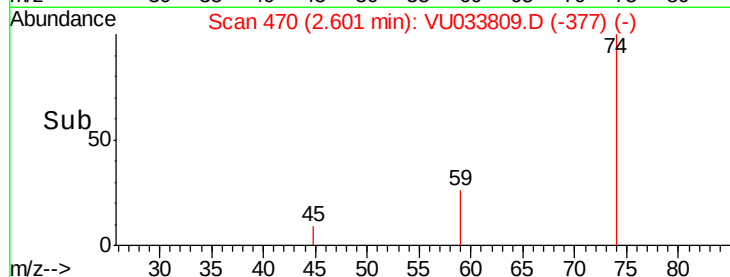
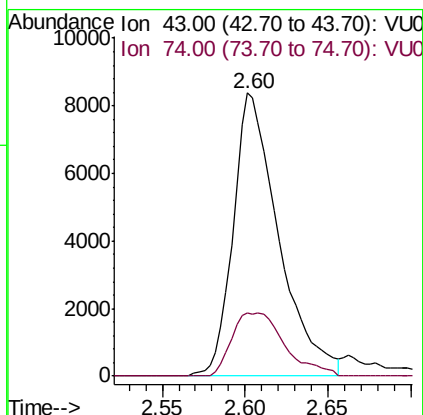
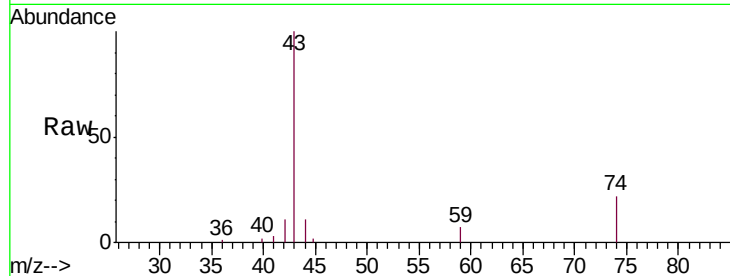




#15
Methyl Acetate
Concen: 5.108 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

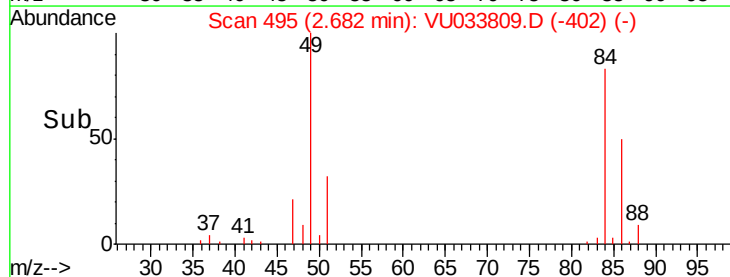
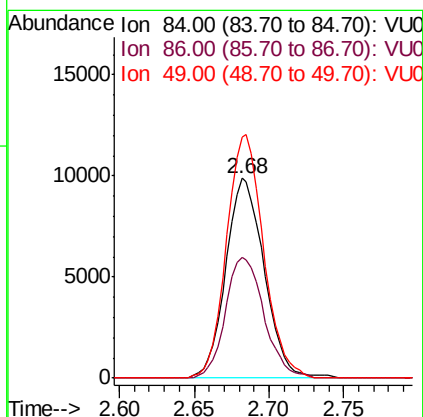
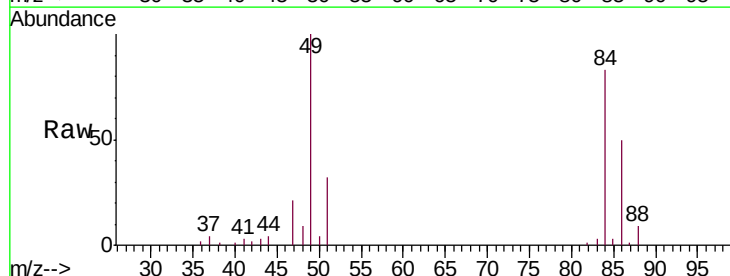
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

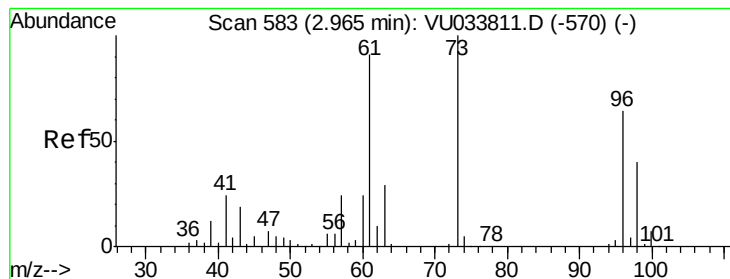
Tgt Ion: 43 Resp: 16005
Ion Ratio Lower Upper
43 100
74 11.2 19.7 29.5#



#16
Methylene chloride
Concen: 6.179 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion: 84 Resp: 17690
Ion Ratio Lower Upper
84 100
86 60.1 46.1 85.5
49 120.9 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 5.836 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

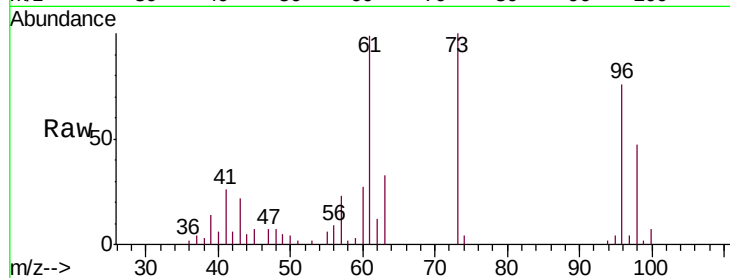
Tgt Ion: 96 Resp: 15406

Ion Ratio Lower Upper

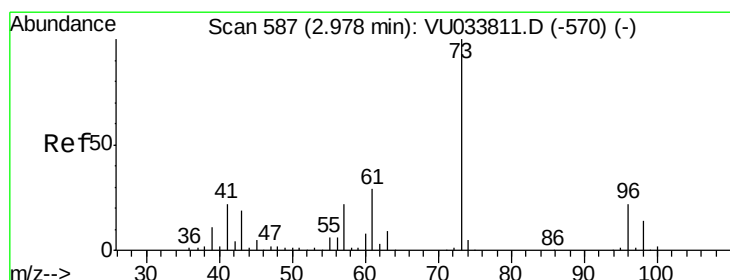
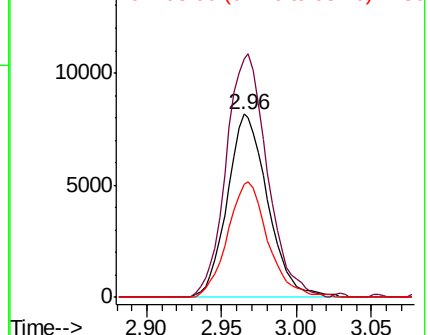
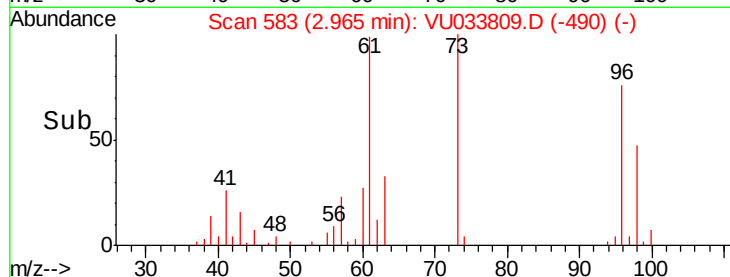
96 100

61 130.6 98.6 183.2

98 61.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033809.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 4.693 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

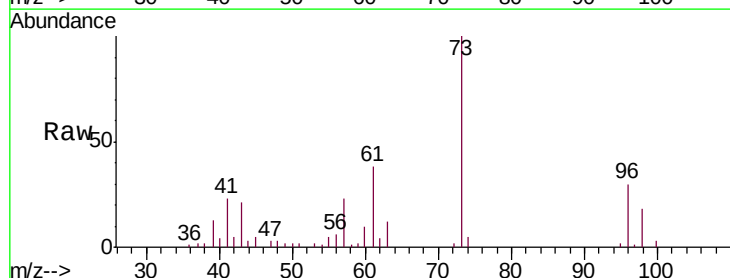
Tgt Ion: 73 Resp: 39815

Ion Ratio Lower Upper

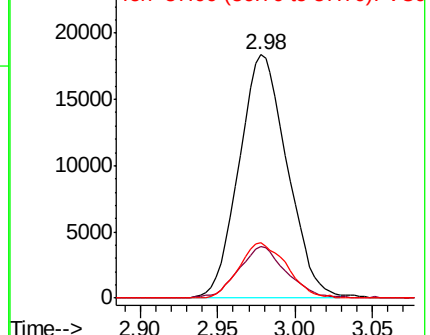
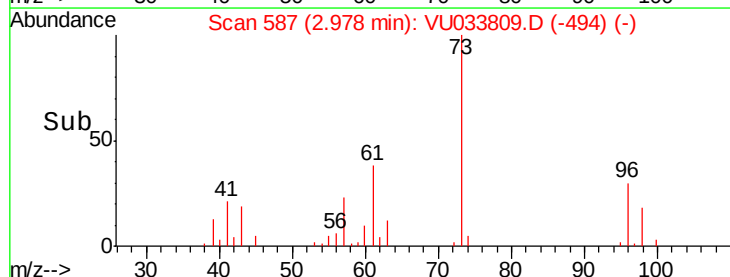
73 100

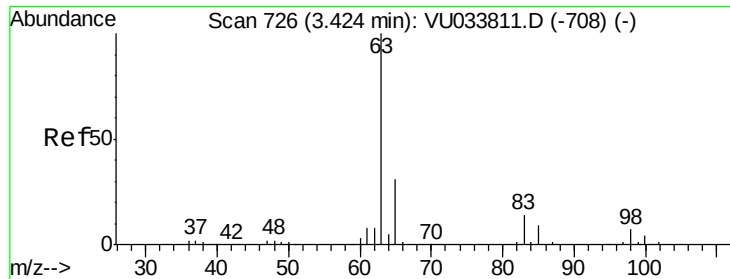
43 21.1 15.2 22.8

57 22.4 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VU033809.D (-494) (-)

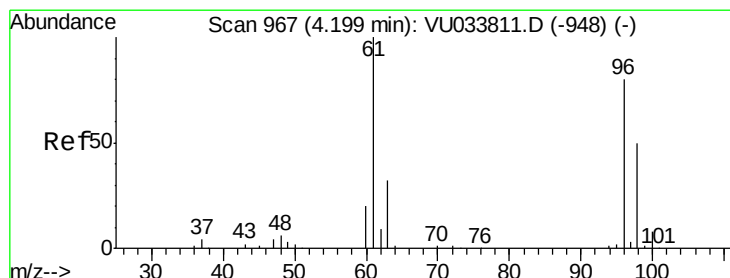
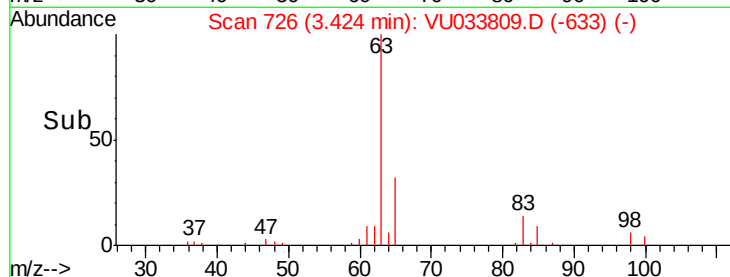
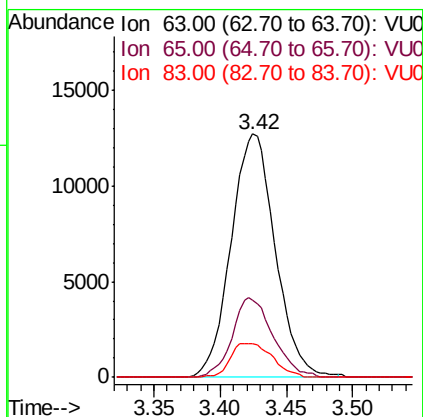
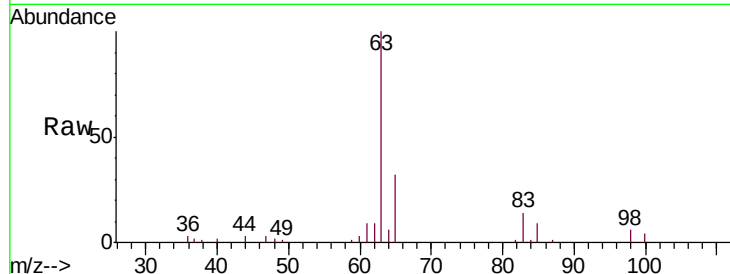




#19
 1,1-Dichloroethane
 Concen: 5.882 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

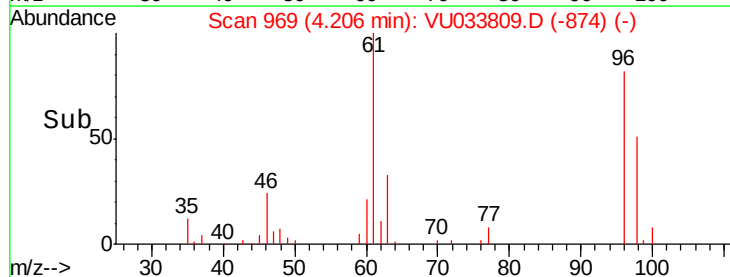
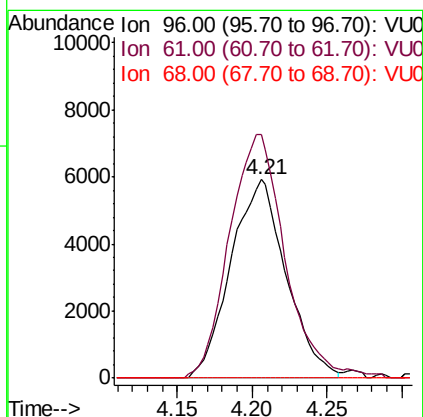
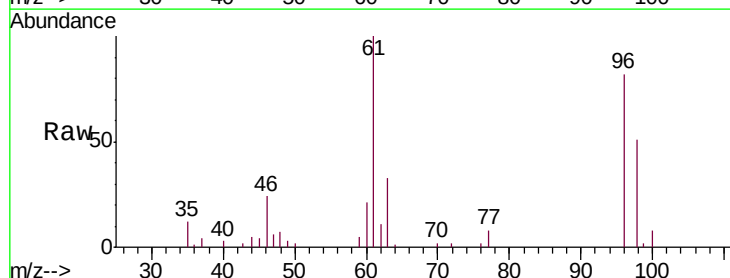
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

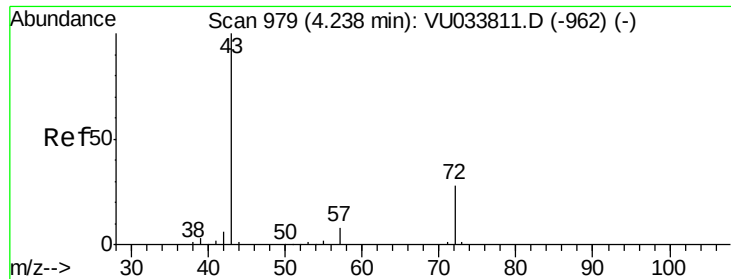
Tgt Ion: 63 Resp: 29456
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.6
 83 13.9 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 5.085 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion: 96 Resp: 15230
 Ion Ratio Lower Upper
 96 100
 61 122.7 88.2 163.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 8.033 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

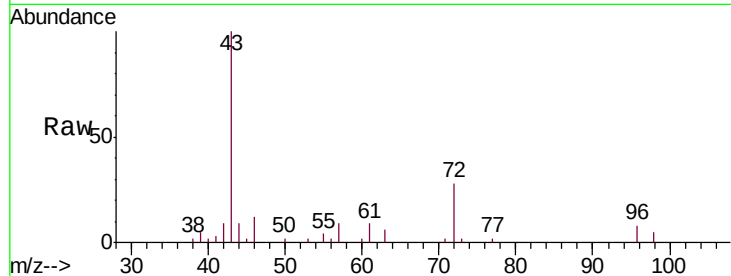
VSTD00534

Tgt Ion: 43 Resp: 18619

Ion Ratio Lower Upper

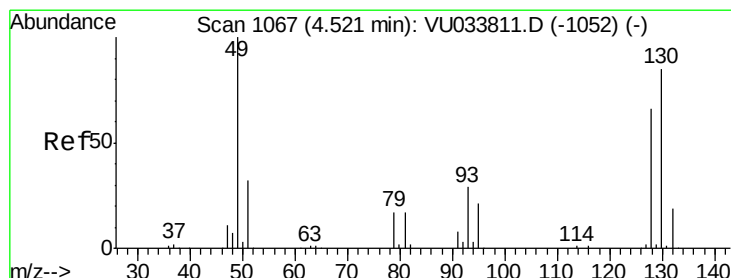
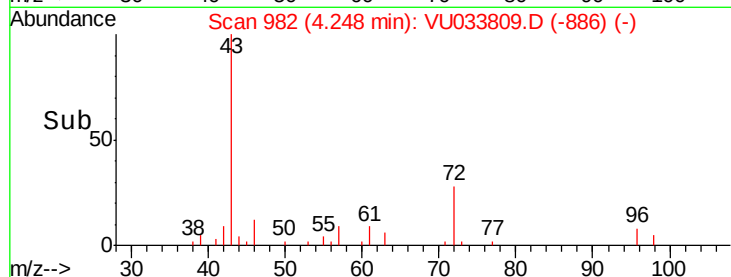
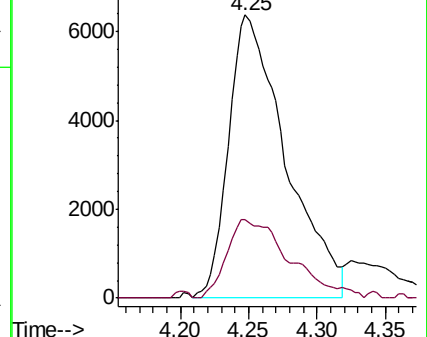
43 100

72 16.7 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033809.D (-982) (-)

Ion 72.00 (71.70 to 72.70): VU033809.D (-982) (-)



#23

Bromochloromethane

Concen: 5.727 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Tgt Ion: 128 Resp: 8880

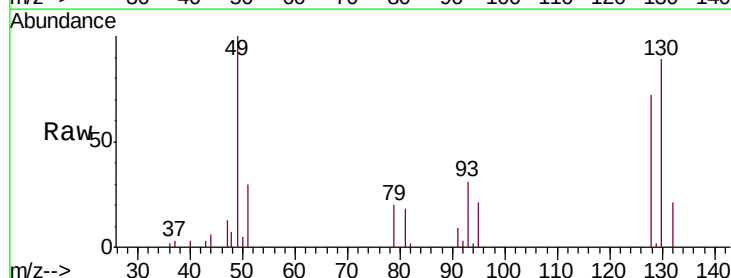
Ion Ratio Lower Upper

128 100

49 139.8 106.7 198.3

130 125.0 90.4 168.0

51 41.3 38.4 57.6

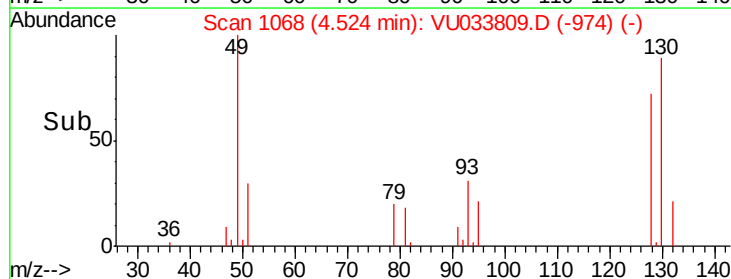
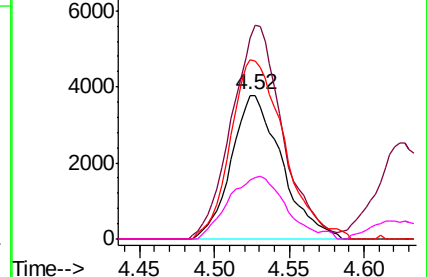


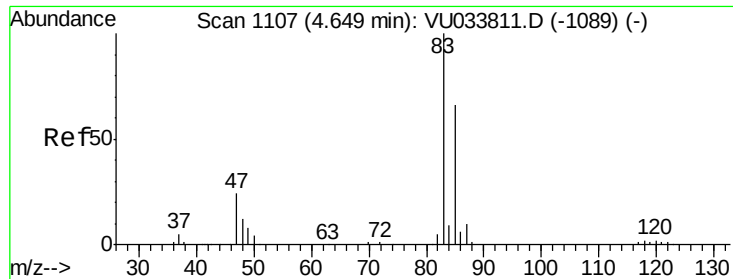
Abundance Ion 128.00 (127.70 to 128.70): VU033809.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU033809.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU033809.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU033809.D (-1068) (-)

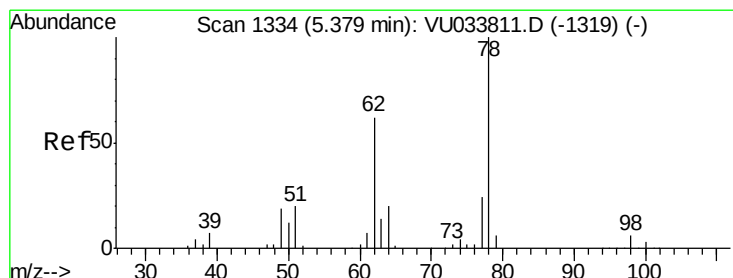
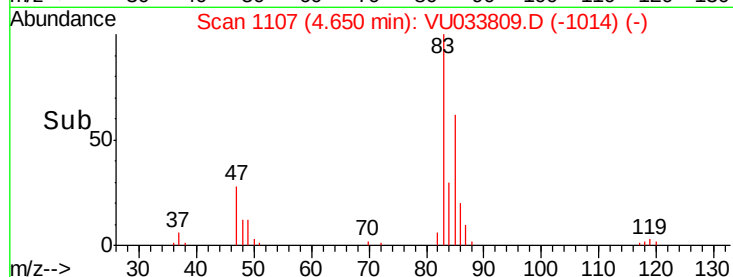
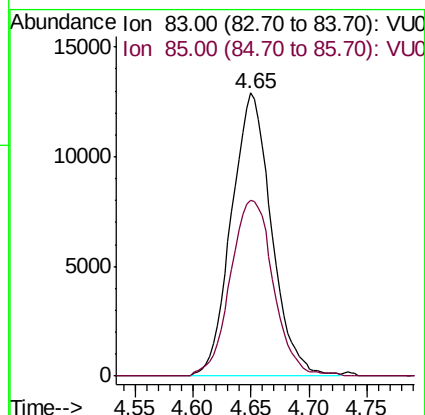
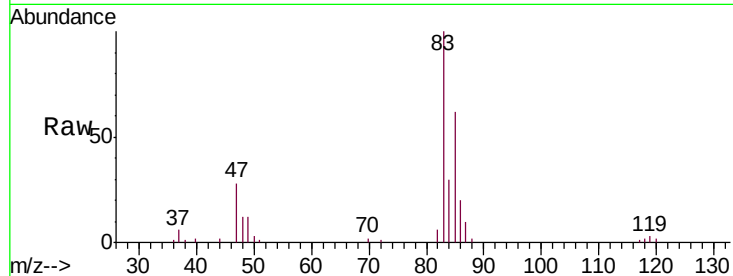




#25
Chloroform
Concen: 5.945 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

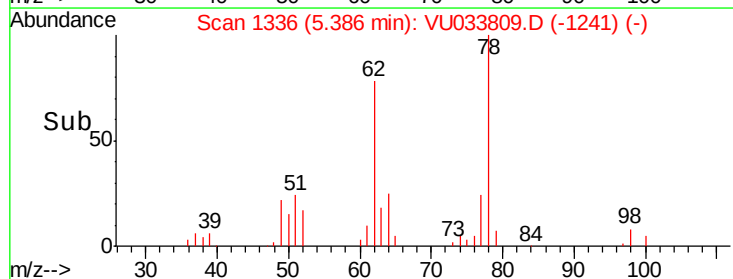
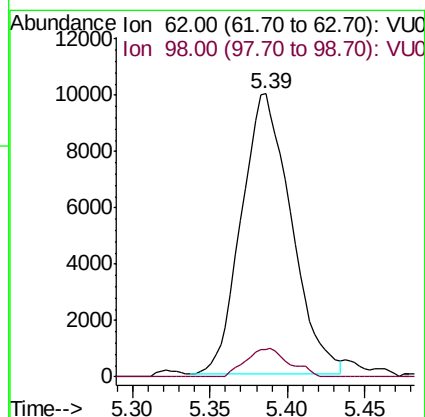
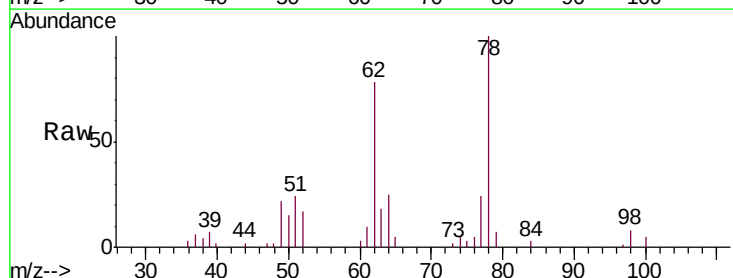
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

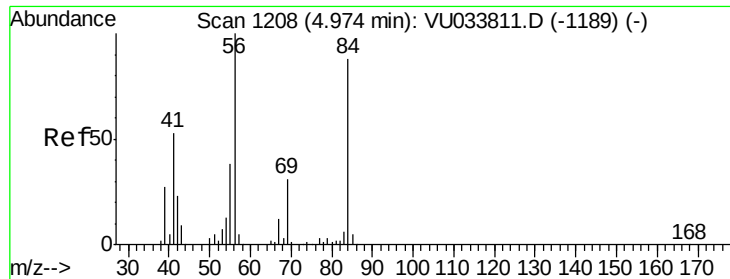
Tgt Ion: 83 Resp: 31020
Ion Ratio Lower Upper
83 100
85 62.0 46.3 86.1



#27
1,2-Dichloroethane
Concen: 5.603 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion: 62 Resp: 22306
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.6

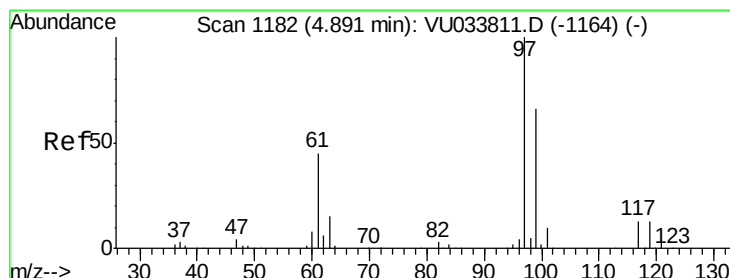
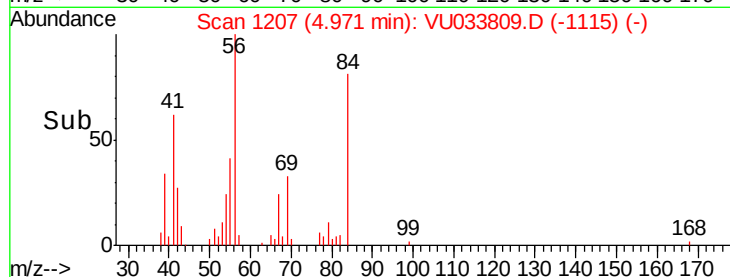
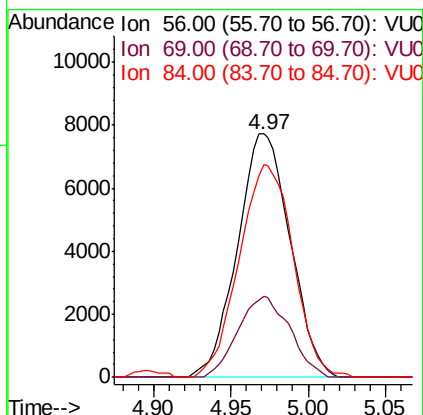
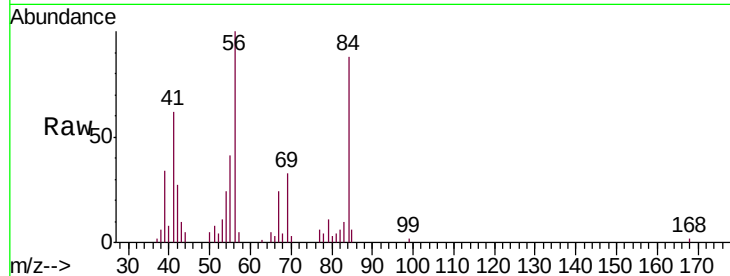




#29
Cyclohexane
Concen: 4.136 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

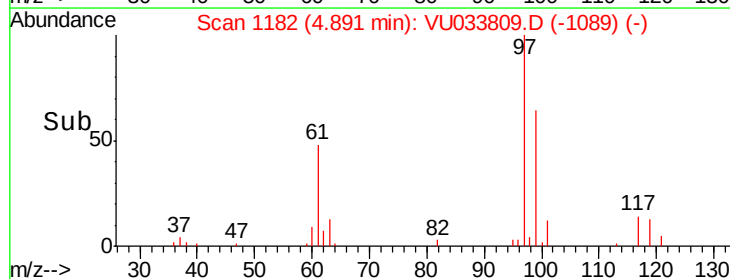
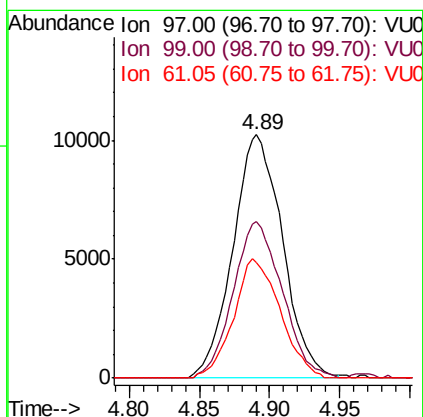
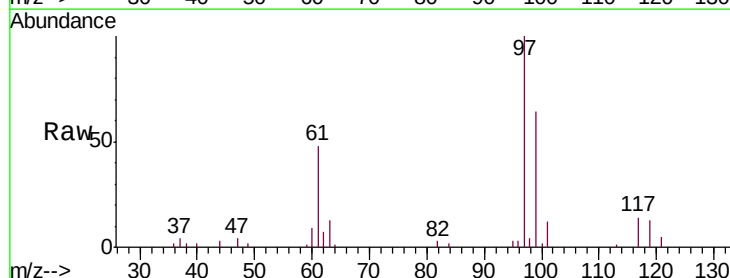
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

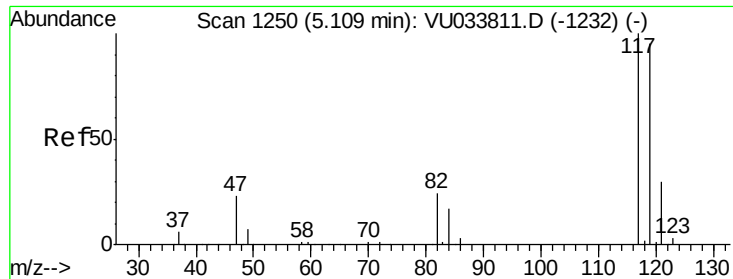
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.4	36.6
84	88.9	69.0	103.4



#30
1,1,1-Trichloroethane
Concen: 5.489 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.8
61	46.0	35.8	53.6





#31

Carbon tetrachloride

Concen: 5.621 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

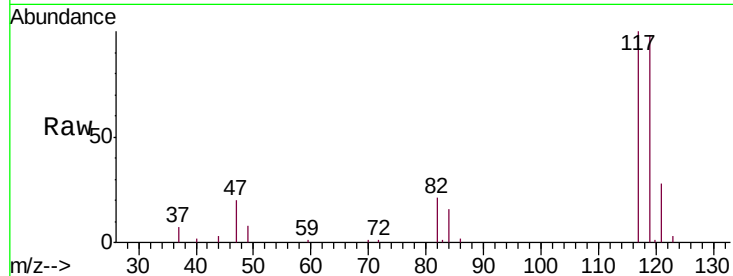
VSTD00534

Tgt Ion:117 Resp: 23298

Ion Ratio Lower Upper

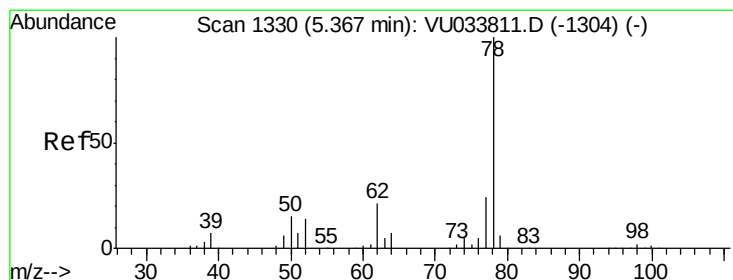
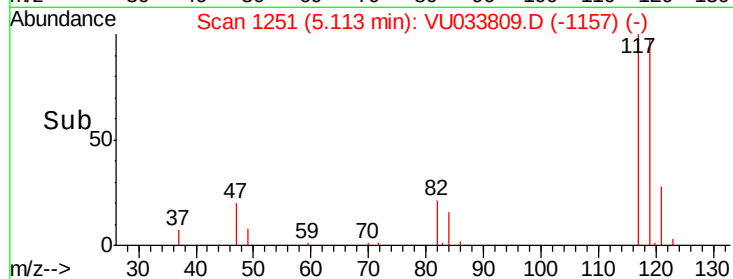
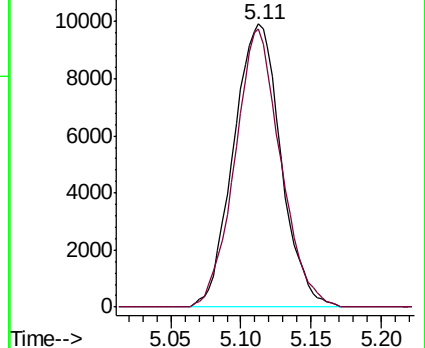
117 100

119 94.8 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: 4.994 ug/L

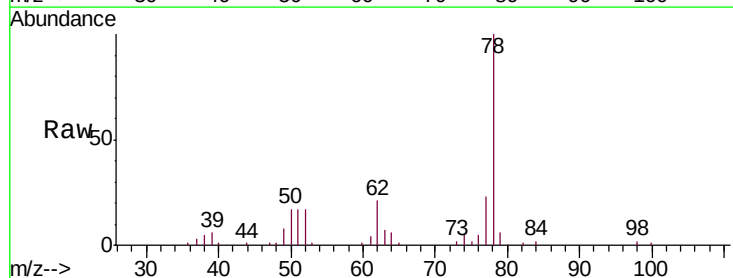
RT: 5.37 min Scan# 1331

Delta R.T. 0.00 min

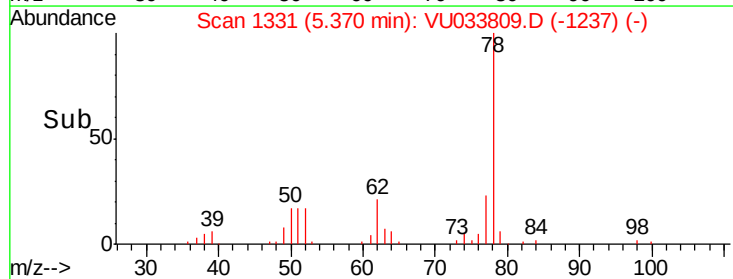
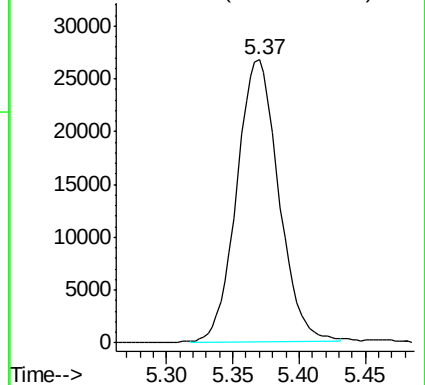
Lab File: VU033809.D

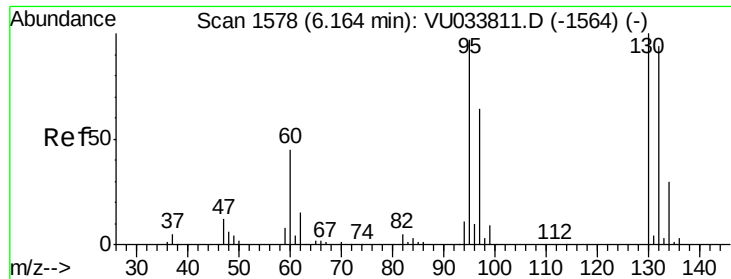
Acq: 15 Aug 2019 14:40

Tgt Ion: 78 Resp: 59080



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.370 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampled :

VSTD00534

Tgt Ion: 95 Resp: 16737

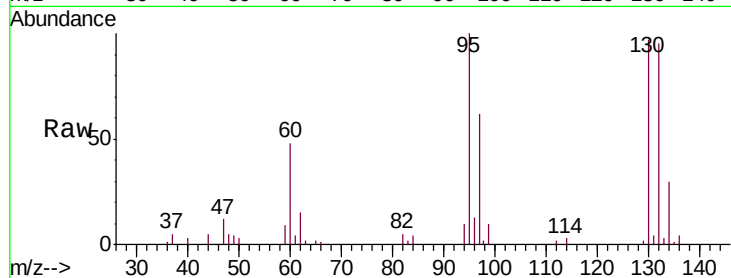
Ion Ratio Lower Upper

95 100

97 62.5 46.3 86.1

132 94.6 67.9 126.1

130 97.4 72.0 133.6

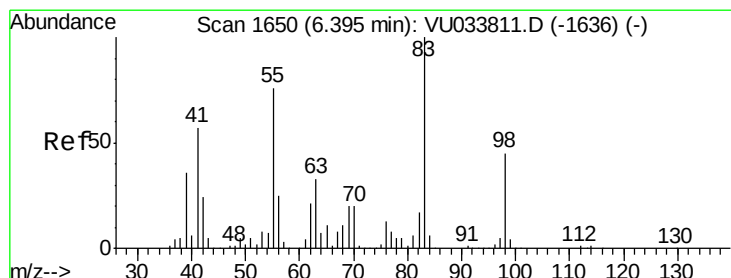
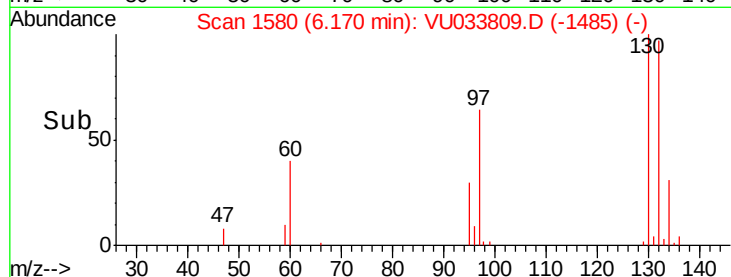
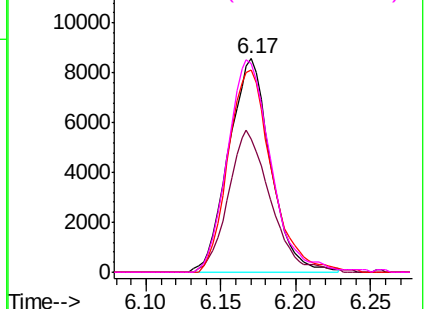


Abundance Ion 95.00 (94.70 to 95.70): VU033811.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU033811.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU033811.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU033811.D (-1564) (-)



#35

Methylcyclohexane

Concen: 4.650 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

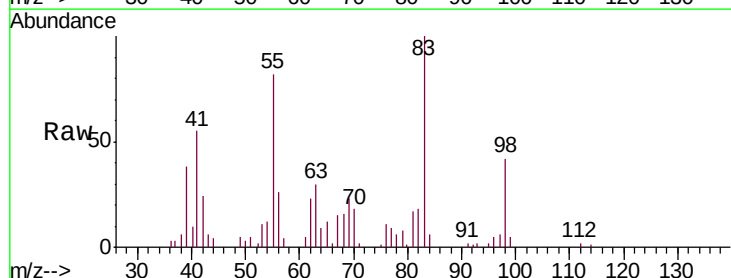
Tgt Ion: 83 Resp: 21924

Ion Ratio Lower Upper

83 100

55 78.5 61.6 92.4

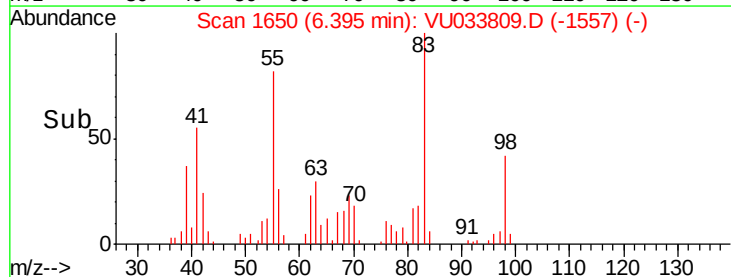
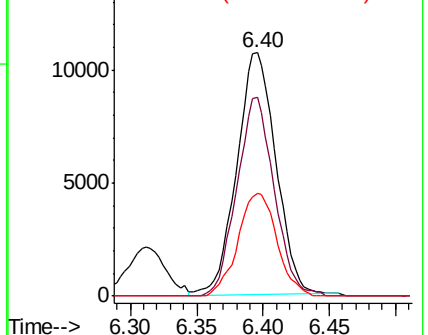
98 42.3 37.2 55.8

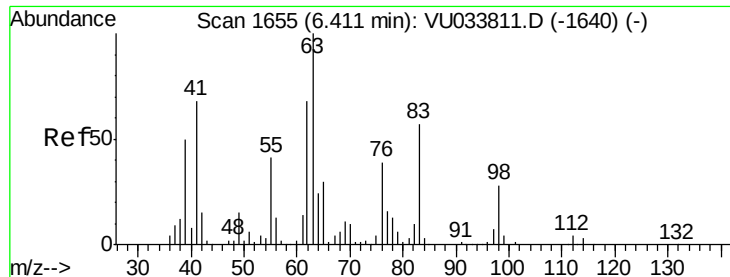


Abundance Ion 83.00 (82.70 to 83.70): VU033811.D (-1636) (-)

Ion 55.00 (54.70 to 55.70): VU033811.D (-1636) (-)

Ion 98.00 (97.70 to 98.70): VU033811.D (-1636) (-)

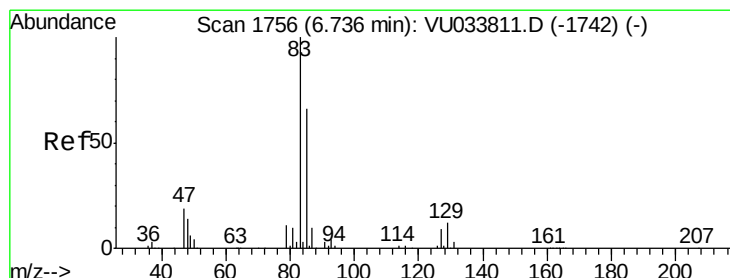
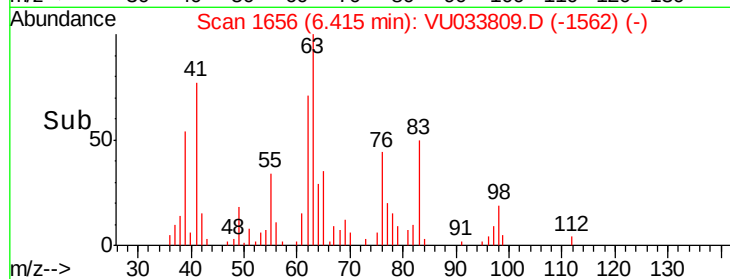
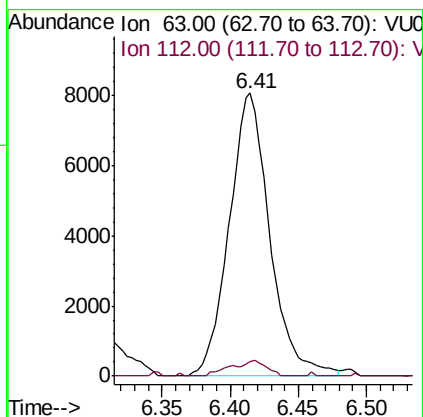
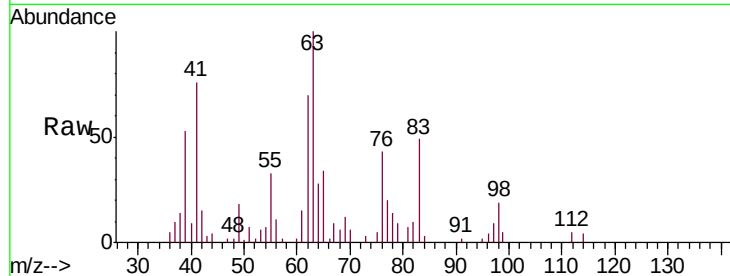




#37
 1,2-Dichloropropane
 Concen: 5.279 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

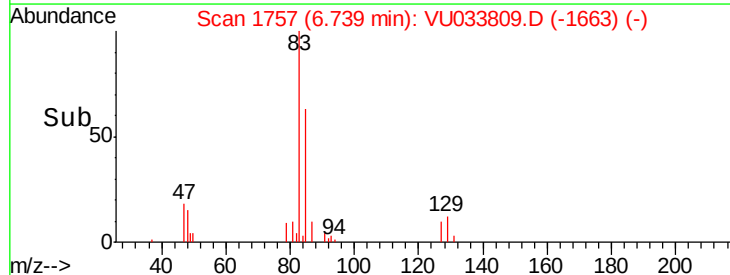
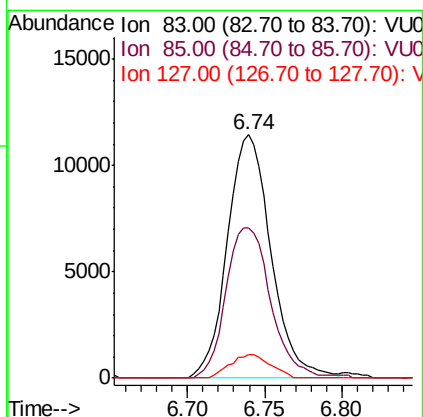
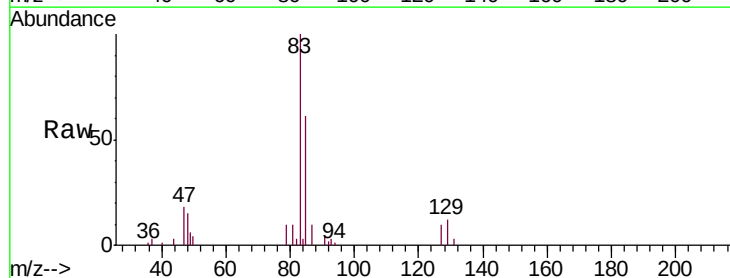
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

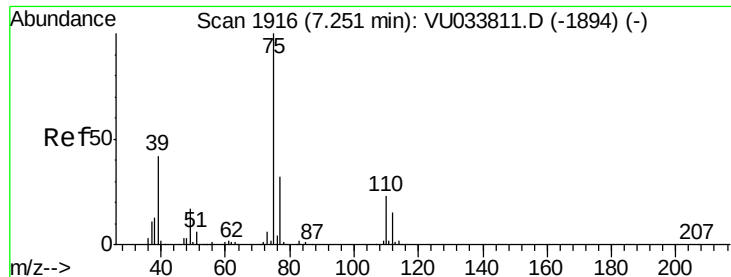
Tgt Ion: 63 Resp: 16664
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 5.542 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion: 83 Resp: 22445
 Ion Ratio Lower Upper
 83 100
 85 61.5 45.9 85.3
 127 9.8 7.3 10.9

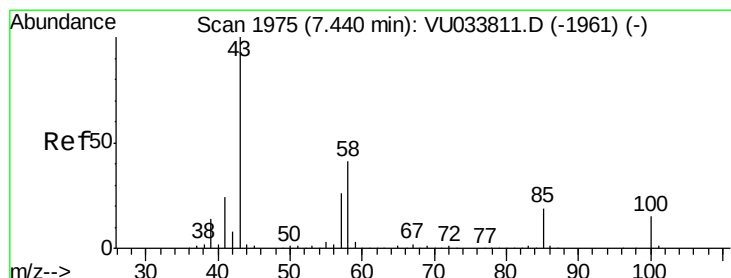
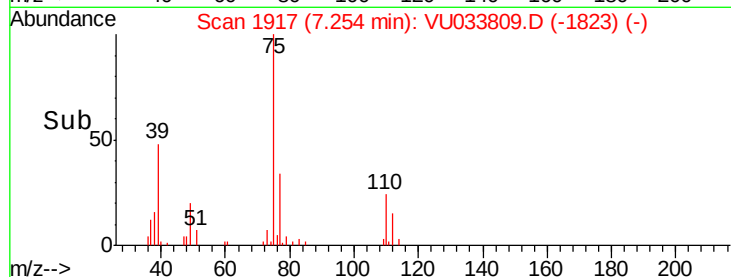
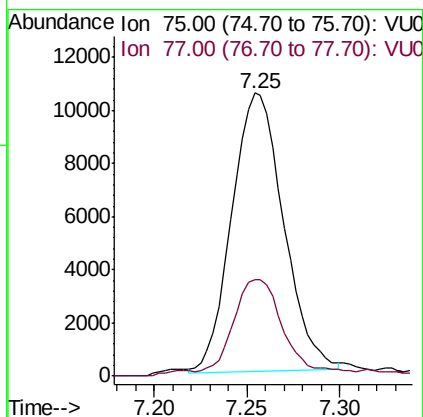
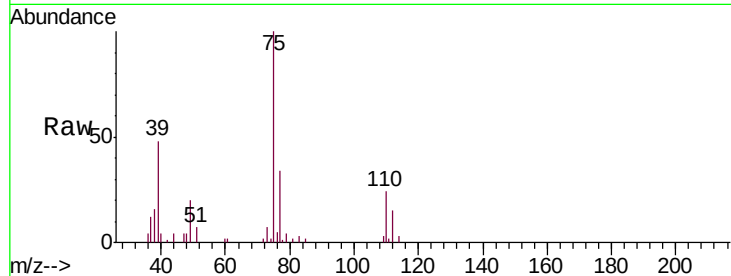




#39
 cis-1,3-Dichloropropene
 Concen: 4.093 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

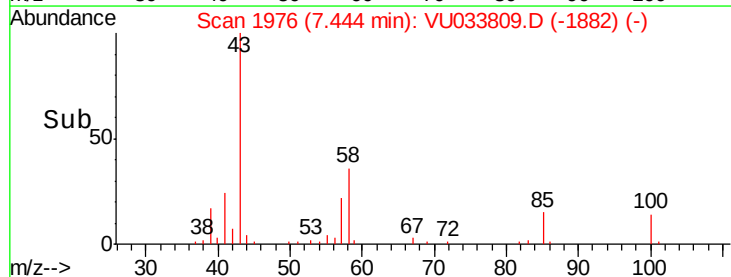
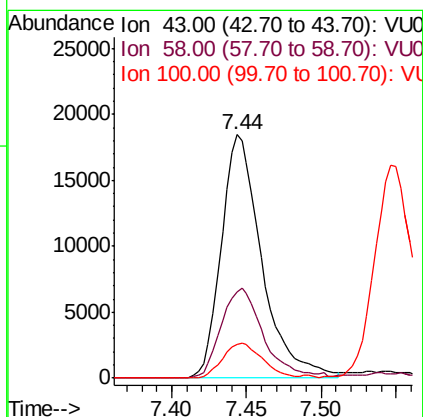
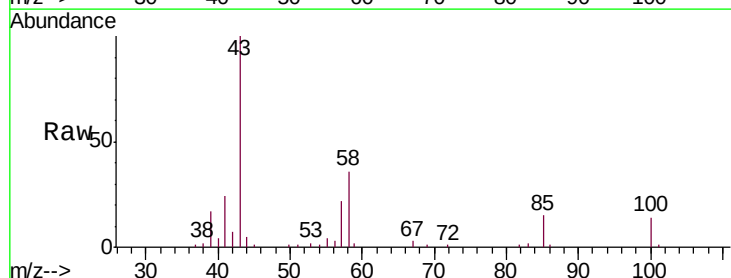
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

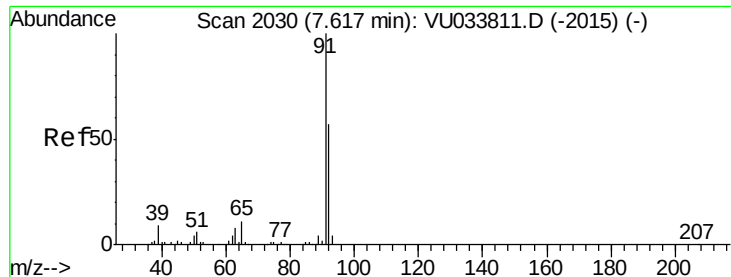
Tgt Ion: 75 Resp: 20334
 Ion Ratio Lower Upper
 75 100
 77 34.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 7.708 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion: 43 Resp: 34797
 Ion Ratio Lower Upper
 43 100
 58 38.3 32.6 49.0
 100 14.0 12.4 18.6





#42

Toluene

Concen: 4.602 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

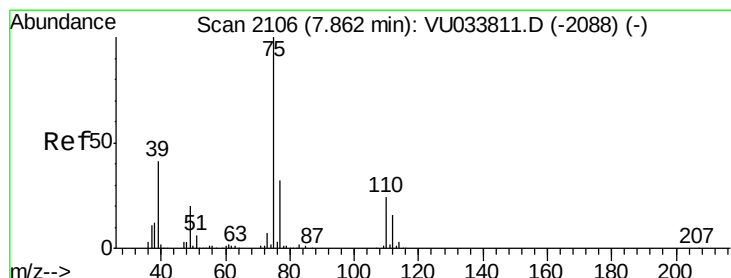
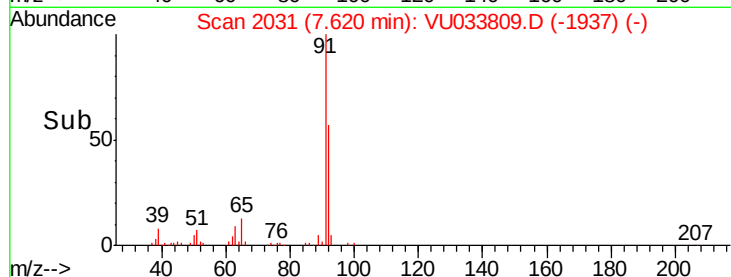
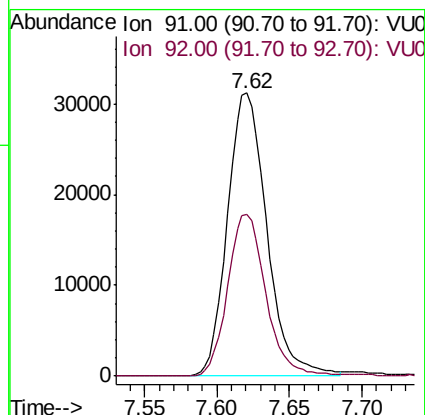
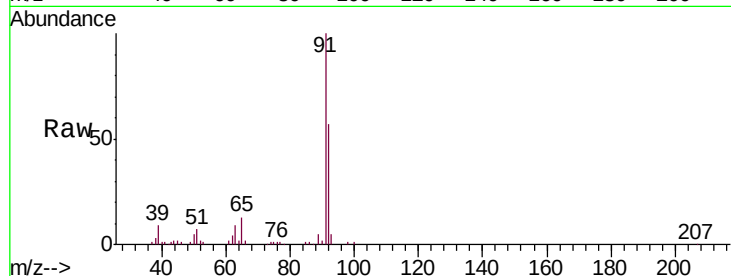
VSTD00534

Tgt Ion: 91 Resp: 58674

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.681 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033809.D

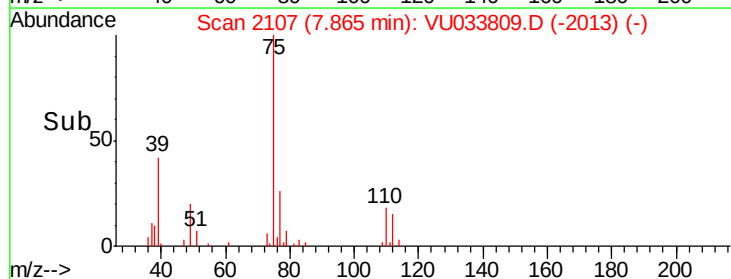
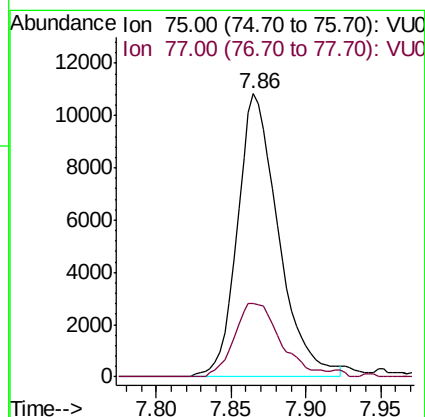
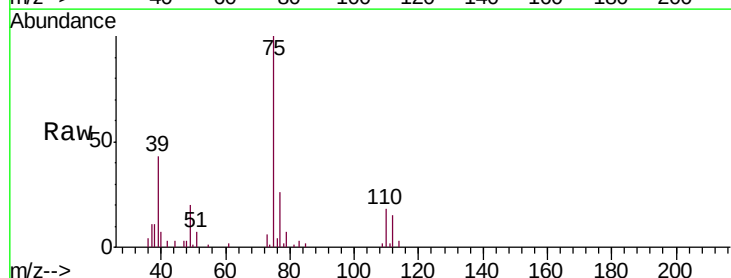
Acq: 15 Aug 2019 14:40

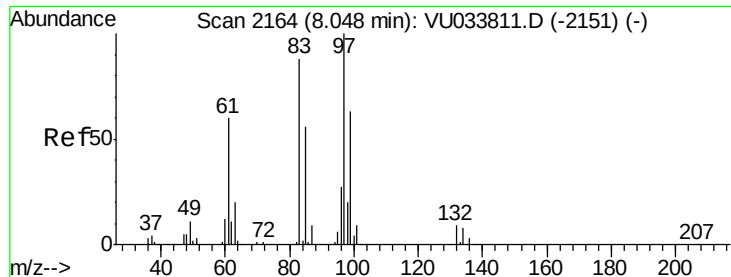
Tgt Ion: 75 Resp: 20676

Ion Ratio Lower Upper

75 100

77 26.1 22.5 41.9

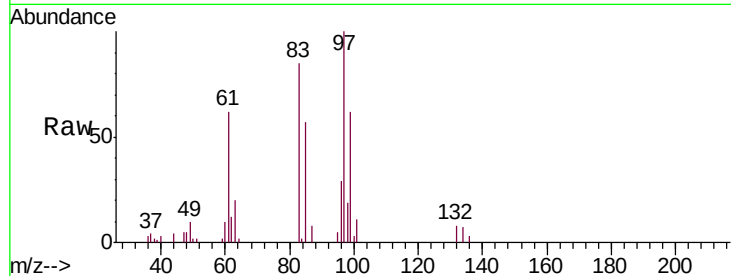




#45
 1,1,2-Trichloroethane
 Concen: 5.306 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:	97	Resp:	16216
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.9	81.5
83	85.2	61.7	114.5
85	56.5	39.2	72.8



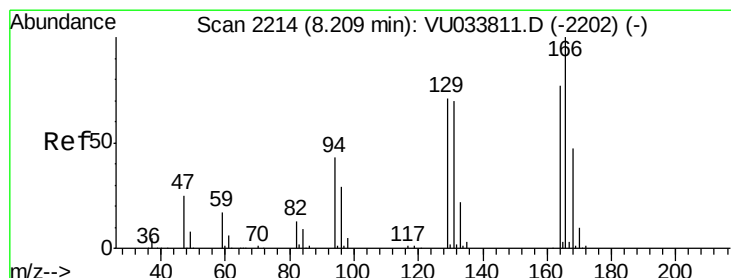
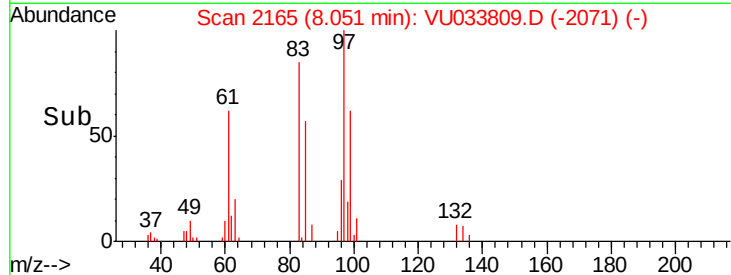
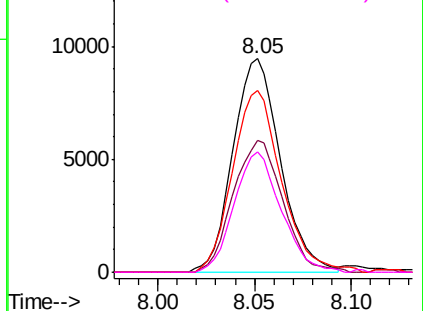
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

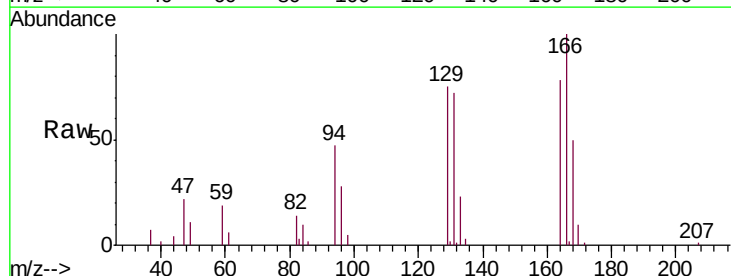
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 5.335 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion:	164	Resp:	13572
Ion	Ratio	Lower	Upper
164	100		
129	96.8	64.4	119.6
131	93.0	63.8	118.4
166	128.7	90.9	168.7



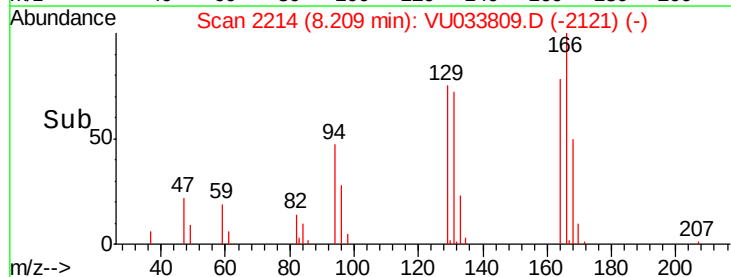
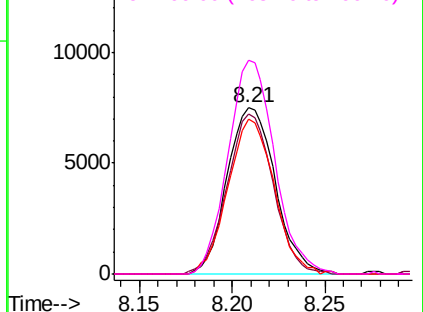
Abundance

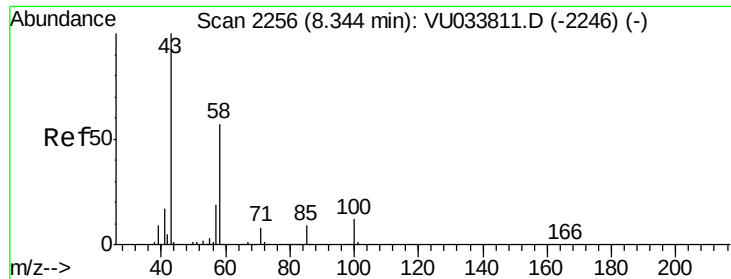
Ion 164.00 (163.70 to 164.70): V

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

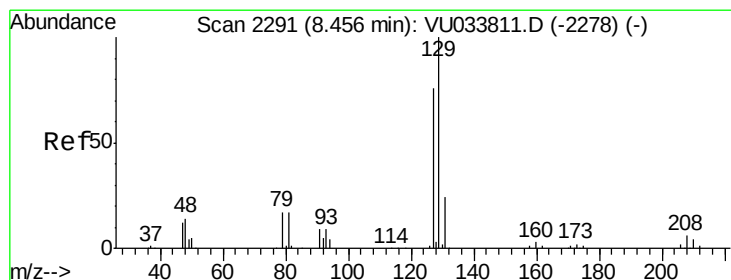
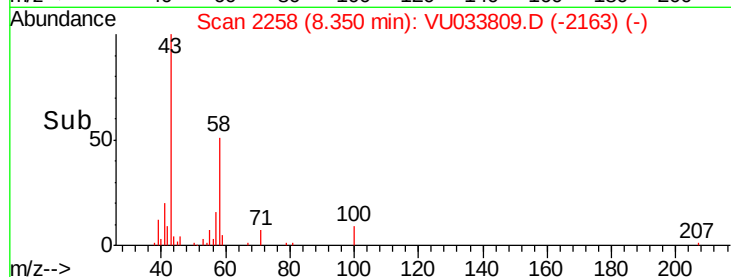
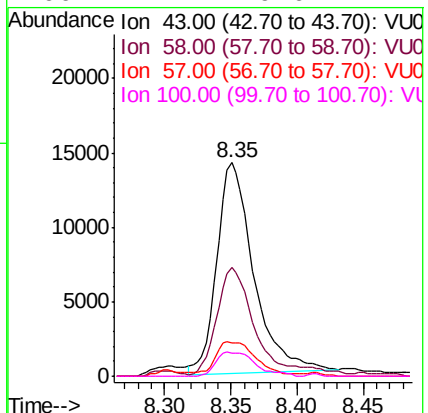
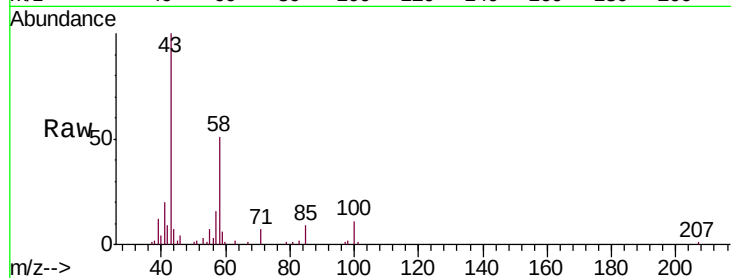




#48
2-Hexanone
Concen: 7.616 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

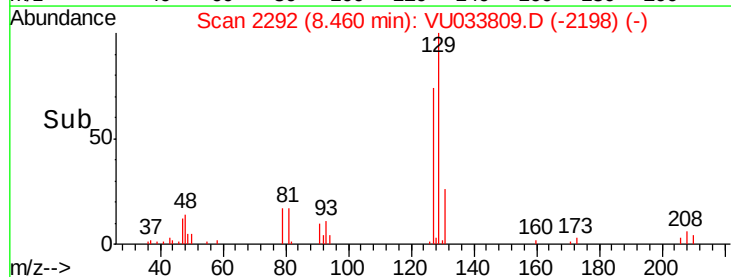
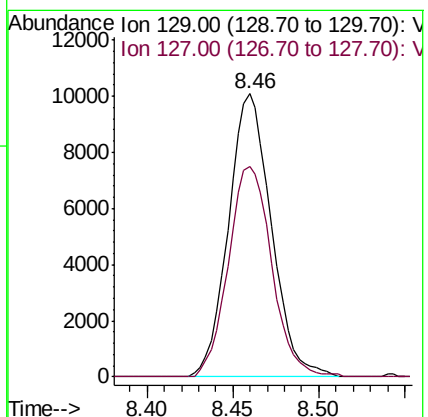
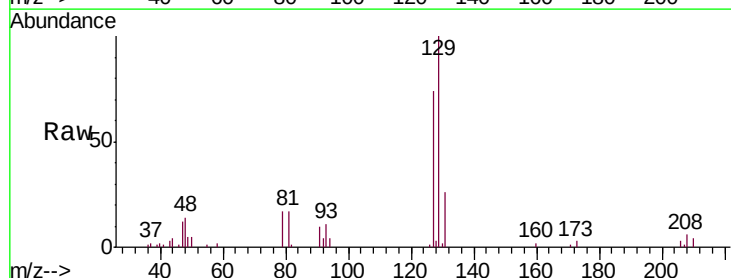
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

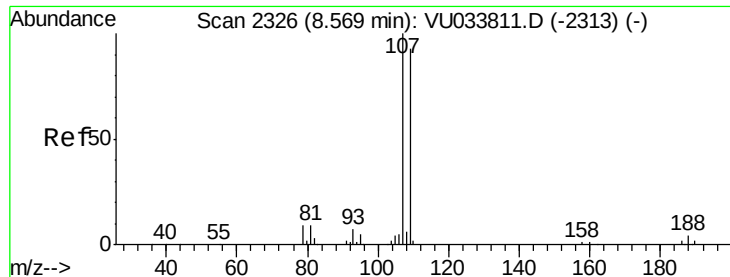
Tgt Ion: 43 Resp: 27169
Ion Ratio Lower Upper
43 100
58 53.5 45.0 67.4
57 6.0 15.4 23.0#
100 12.4 9.6 14.4



#49
Dibromochloromethane
Concen: 5.105 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion: 129 Resp: 17552
Ion Ratio Lower Upper
129 100
127 74.4 53.4 99.2

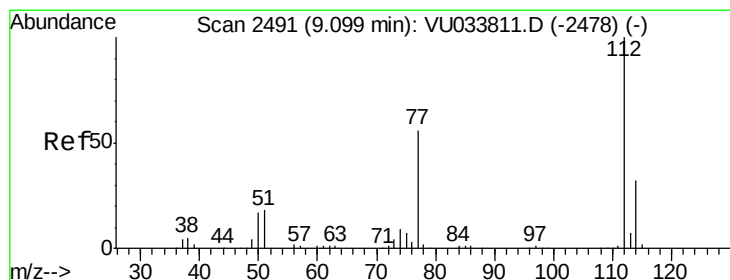
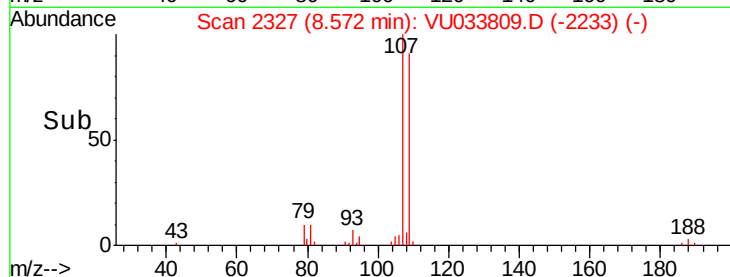
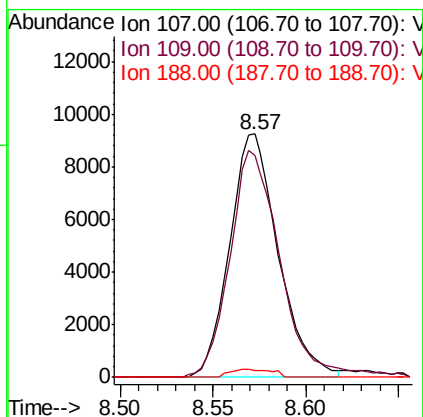
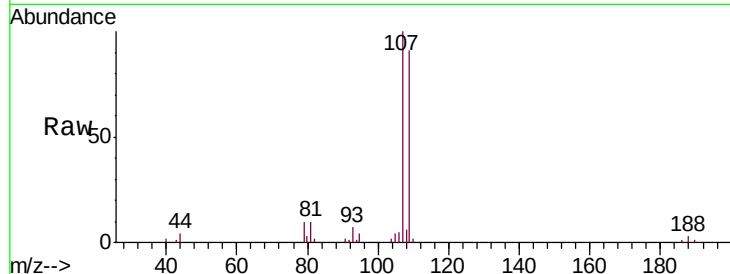




#50
1,2-Dibromoethane
Concen: 5.006 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

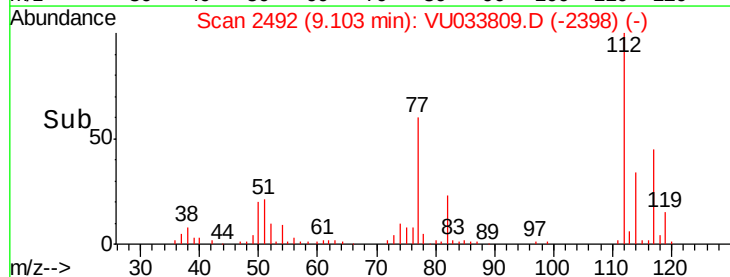
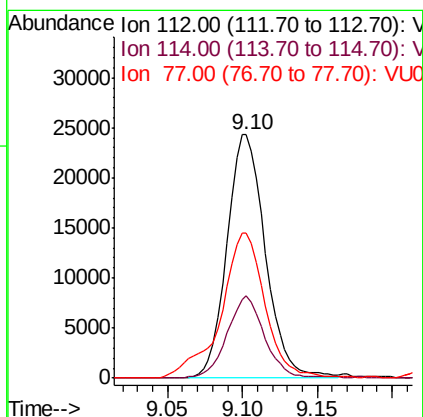
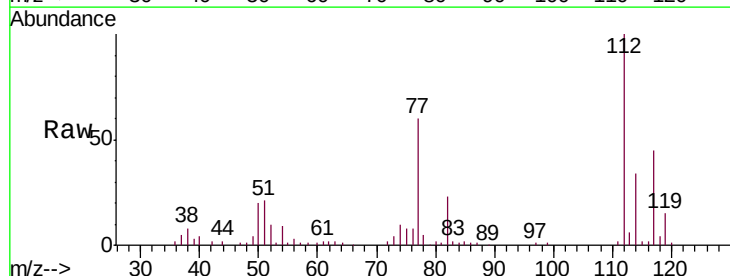
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

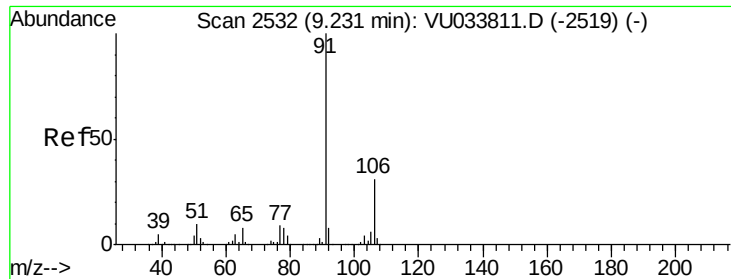
Tgt Ion:107 Resp: 16841
Ion Ratio Lower Upper
107 100
109 91.3 64.8 120.3
188 3.1 3.1 4.7#



#51
Chlorobenzene
Concen: 5.225 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion:112 Resp: 43571
Ion Ratio Lower Upper
112 100
114 34.0 22.5 41.9
77 59.8 45.4 68.0





#52

Ethylbenzene

Concen: 4.377 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

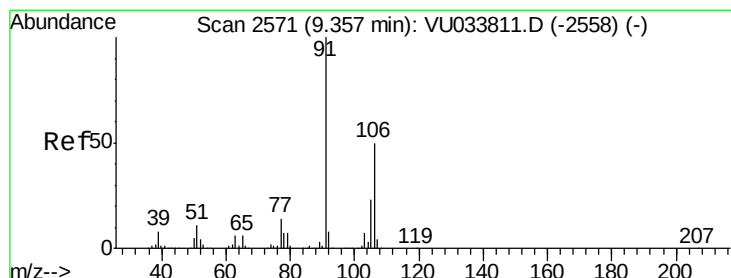
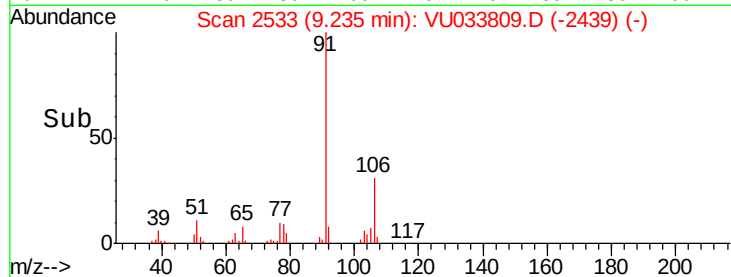
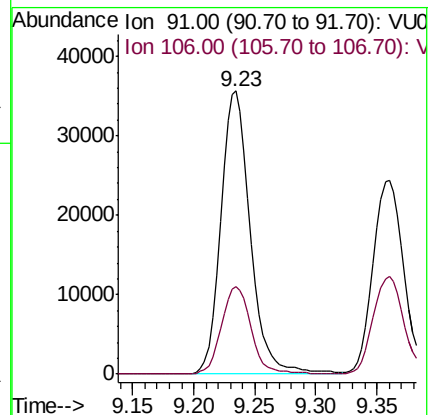
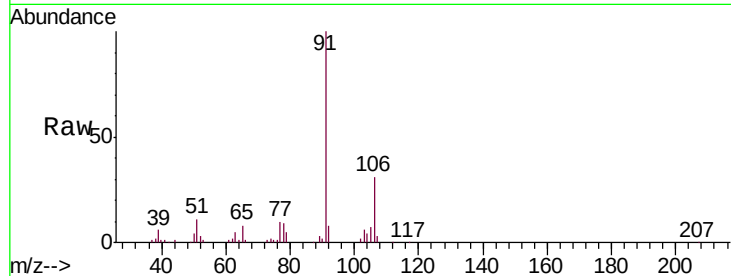
VSTD00534

Tgt Ion: 91 Resp: 60660

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.6



#53

m,p-Xylene

Concen: 4.093 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033809.D

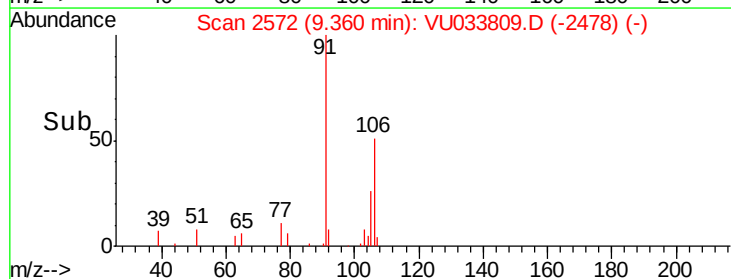
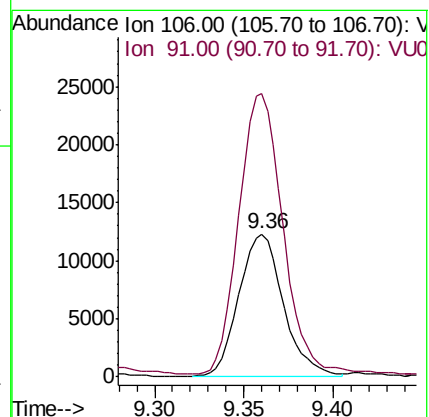
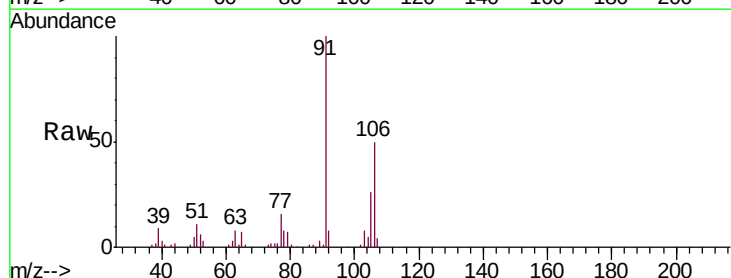
Acq: 15 Aug 2019 14:40

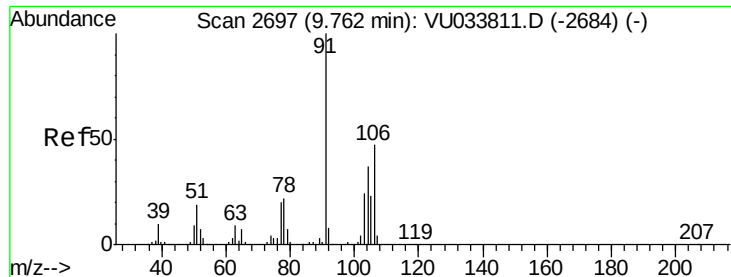
Tgt Ion: 106 Resp: 21629

Ion Ratio Lower Upper

106 100

91 198.2 140.9 261.7

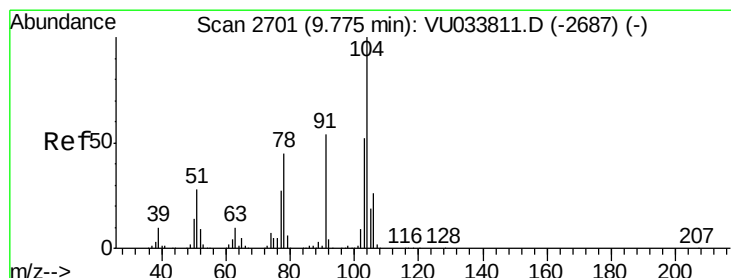
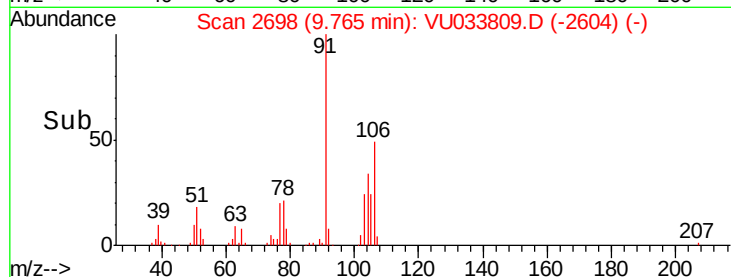
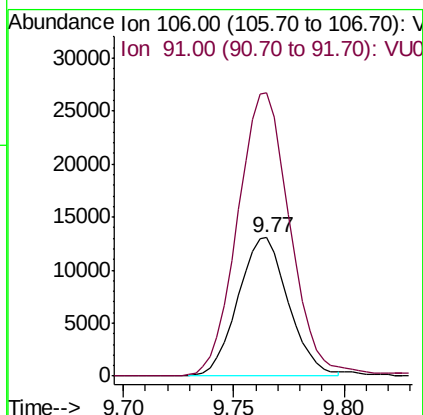
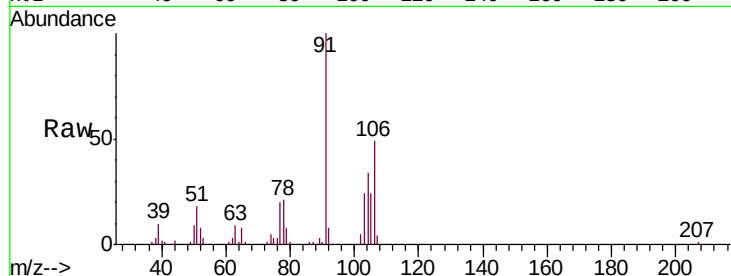




#54
o-xylene
Concen: 3.995 ug/L
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

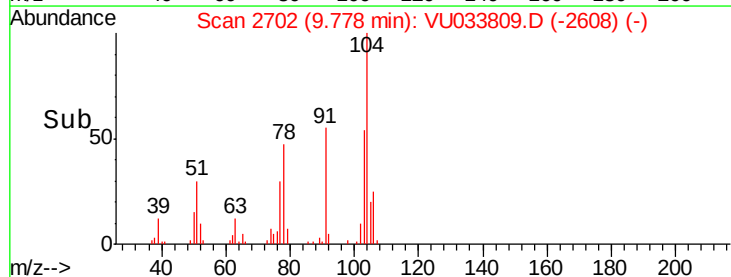
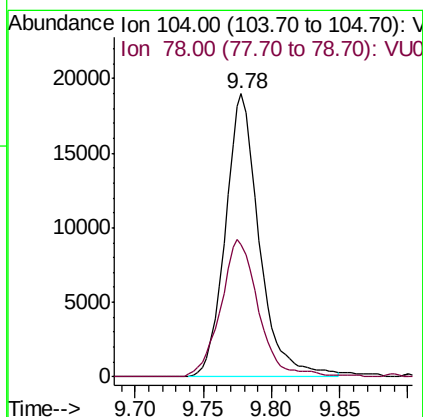
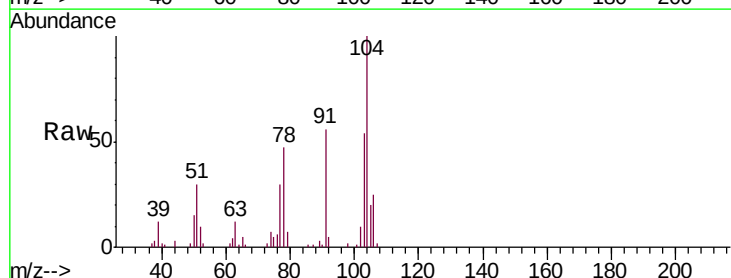
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

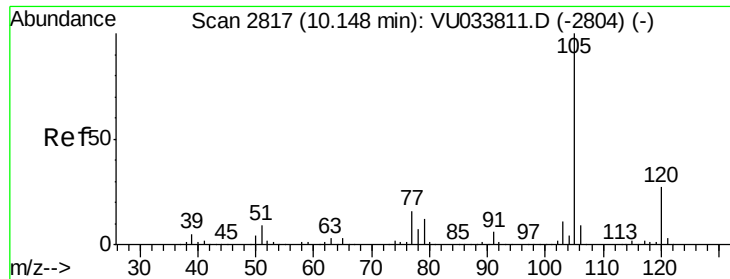
Tgt Ion:106 Resp: 20840
Ion Ratio Lower Upper
106 100
91 204.7 147.8 274.6



#55
Styrene
Concen: 3.734 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033809.D
Acq: 15 Aug 2019 14:40

Tgt Ion:104 Resp: 32845
Ion Ratio Lower Upper
104 100
78 46.9 31.8 59.0





#56

Isopropylbenzene

Concen: 3.879 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

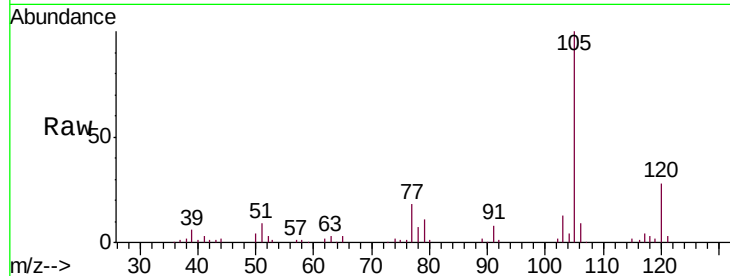
Tgt Ion: 105 Resp: 52919

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

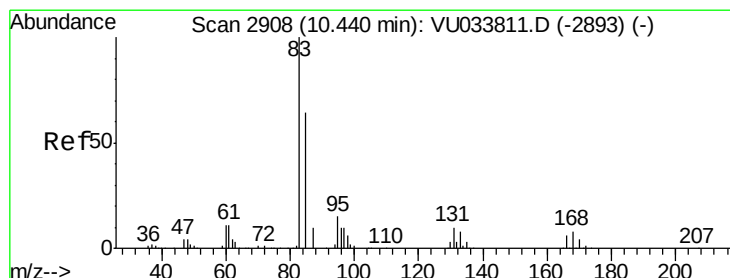
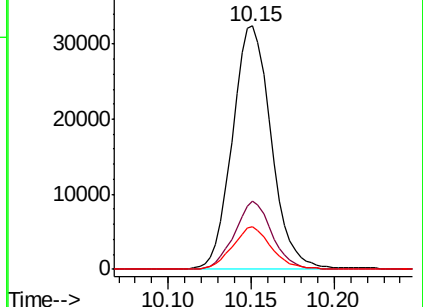
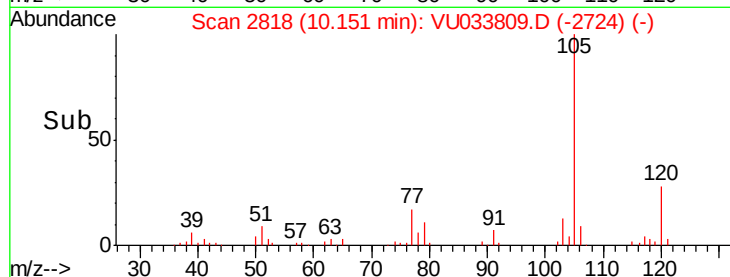
77 17.5 12.5 18.7



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: 4.766 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

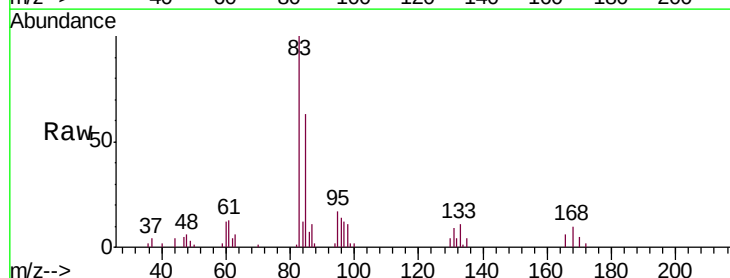
Tgt Ion: 83 Resp: 25272

Ion Ratio Lower Upper

83 100

85 62.7 44.6 82.8

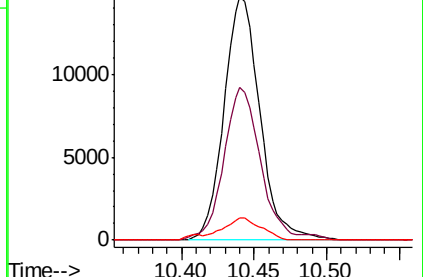
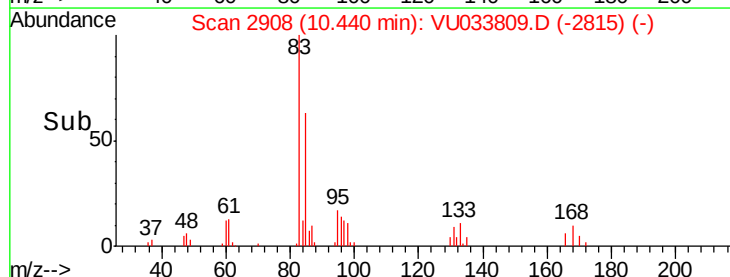
131 9.1 7.8 11.6

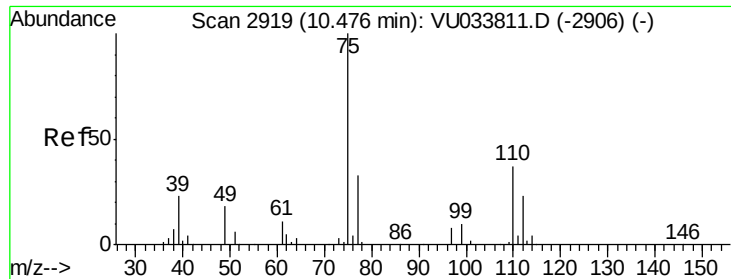


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

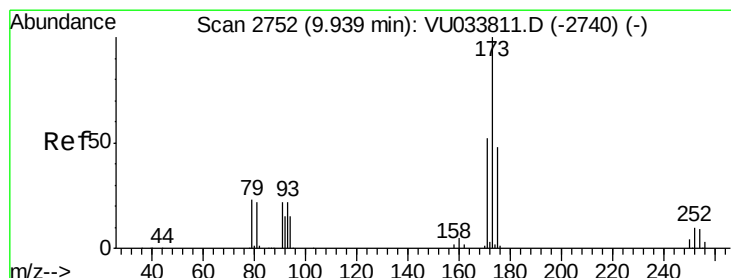
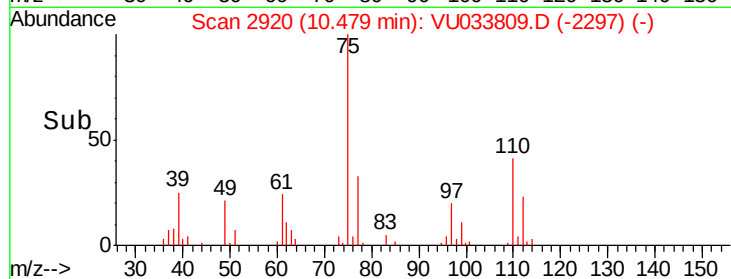
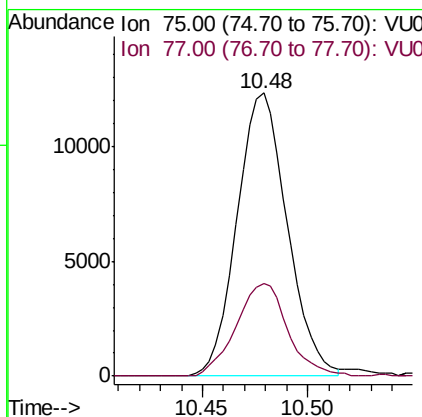
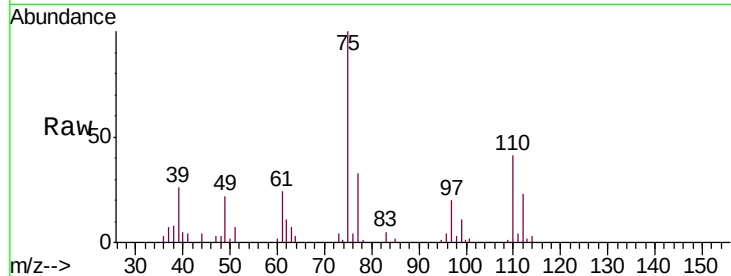




#59
 1,2,3-Trichloropropane
 Concen: 4.848 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

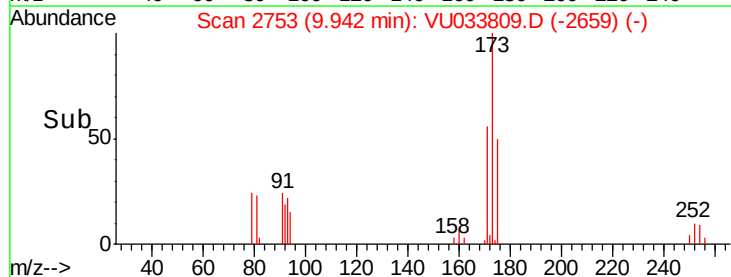
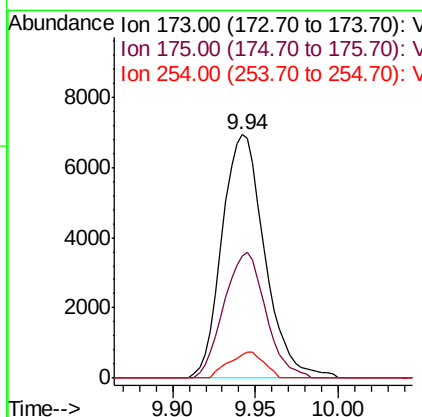
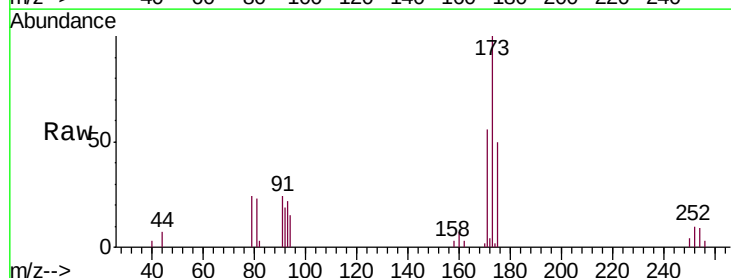
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

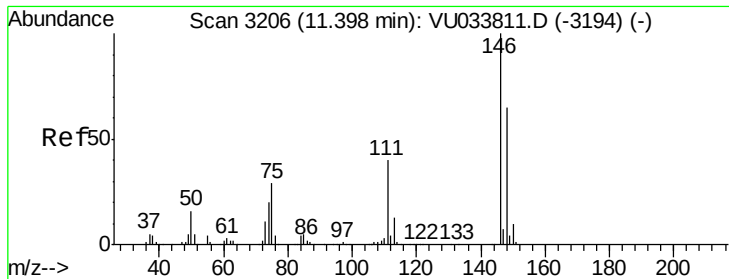
Tgt Ion: 75 Resp: 20404
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.0 39.0



#61
 Bromoform
 Concen: 5.018 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion: 173 Resp: 12426
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.8 58.2
 254 8.7 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 4.967 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

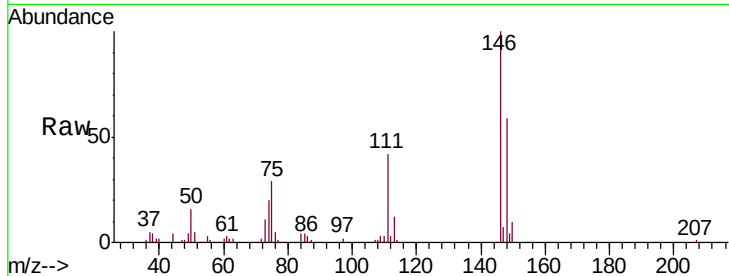
Tgt Ion:146 Resp: 31183

Ion Ratio Lower Upper

146 100

111 42.4 28.1 52.1

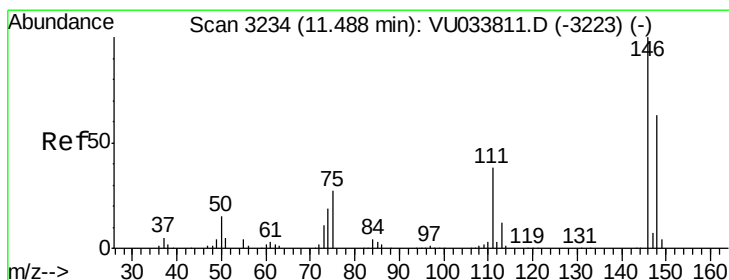
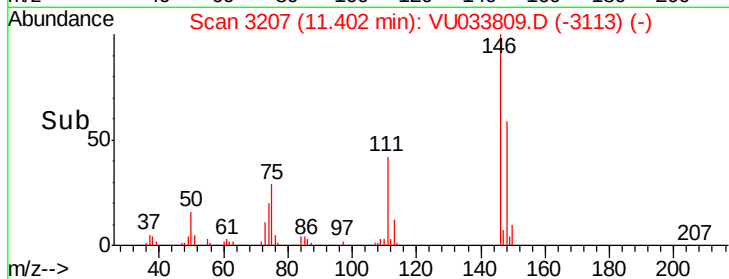
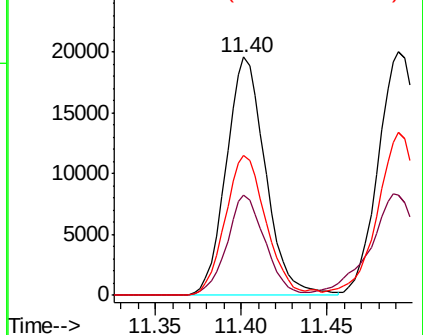
148 59.1 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 5.414 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

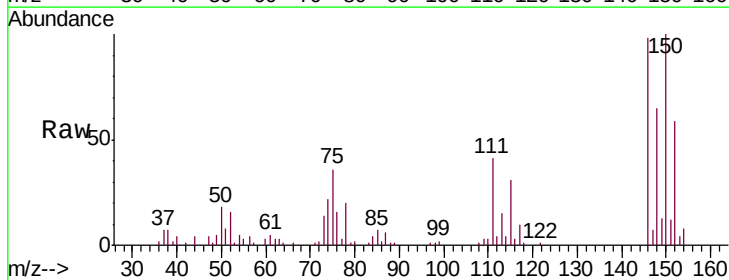
Tgt Ion:146 Resp: 34458

Ion Ratio Lower Upper

146 100

111 41.4 27.0 50.2

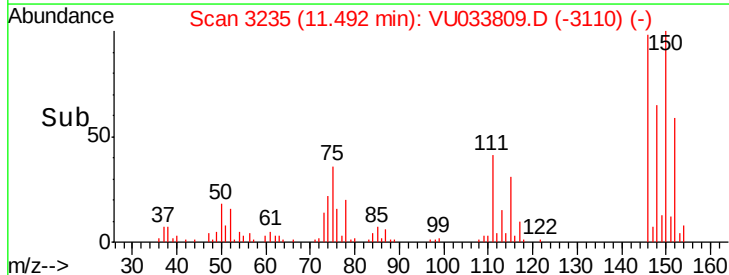
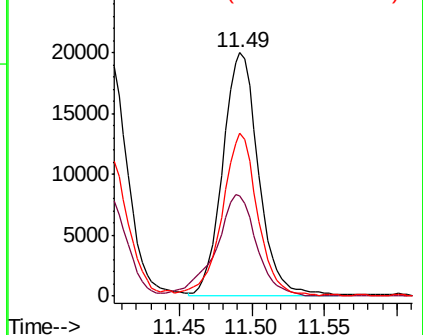
148 66.9 44.5 82.7

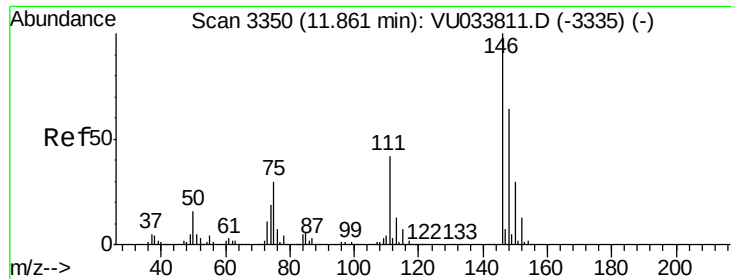


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.022 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

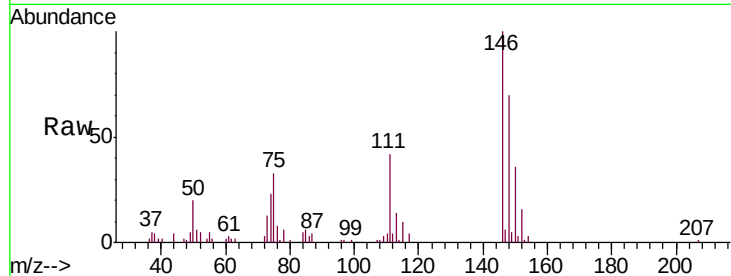
Tgt Ion:146 Resp: 31173

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.6

148 69.8 51.0 76.4

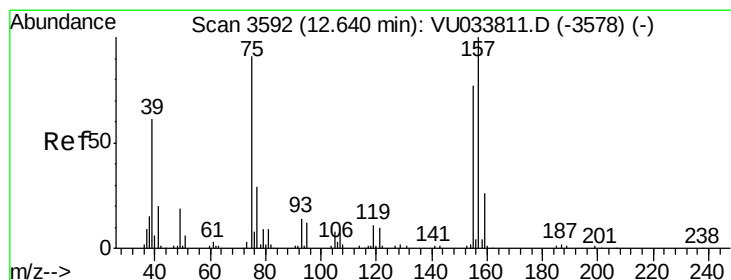
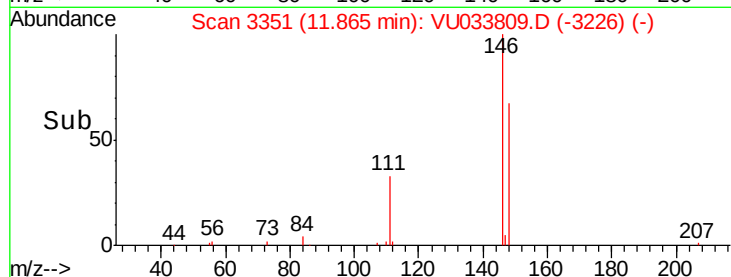
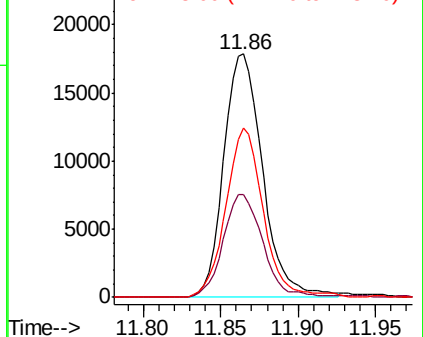


Abundance

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: 4.382 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. 0.01 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

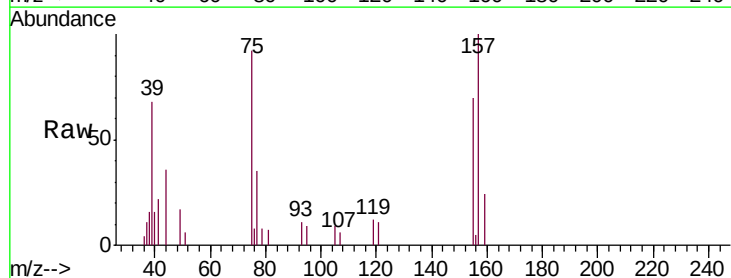
Tgt Ion: 75 Resp: 4998

Ion Ratio Lower Upper

75 100

155 76.3 67.5 101.3

157 108.7 87.7 131.5

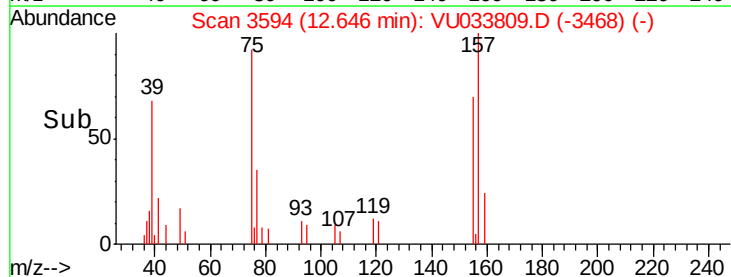
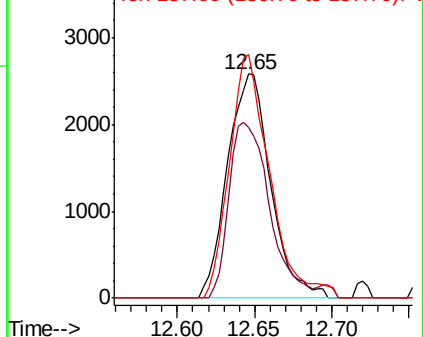


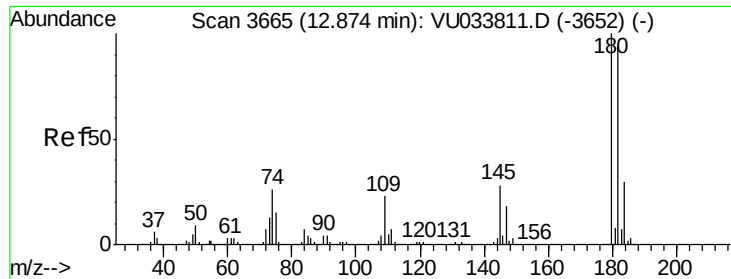
Abundance

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

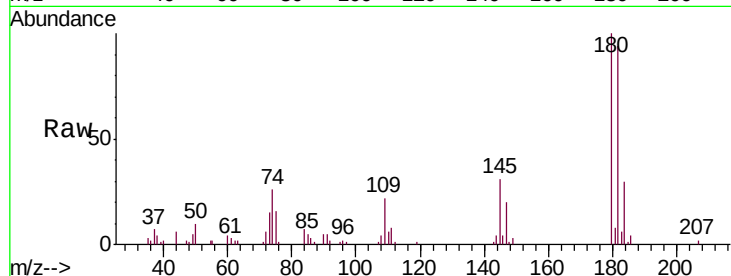




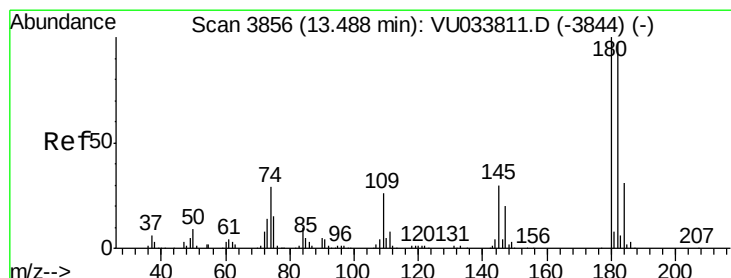
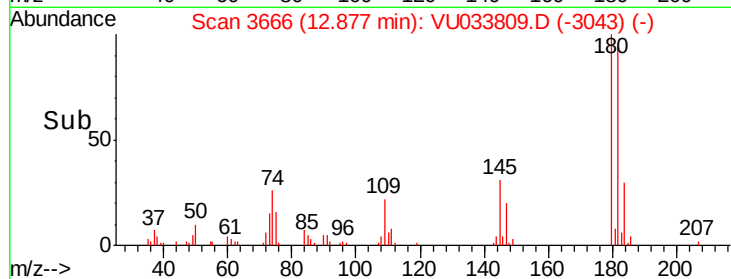
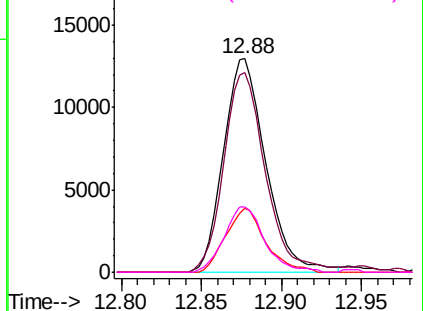
#67
 1,3,5-Trichlorobenzene
 Concen: 4.740 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:	180	Resp:	23449
Ion	Ratio	Lower	Upper
180	100		
182	91.3	75.8	113.8
184	28.2	23.8	35.8
145	28.6	22.9	34.3

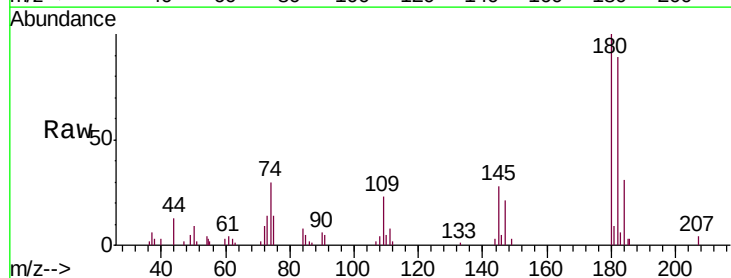


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

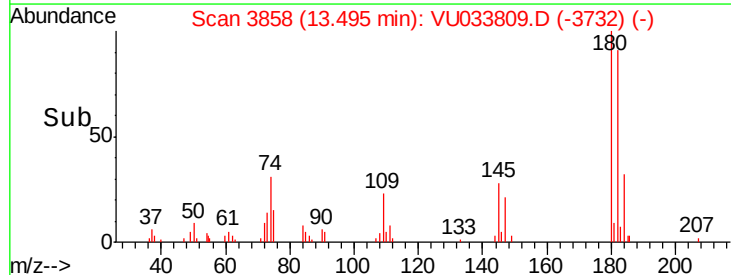
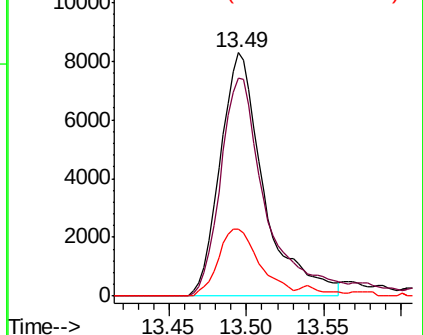


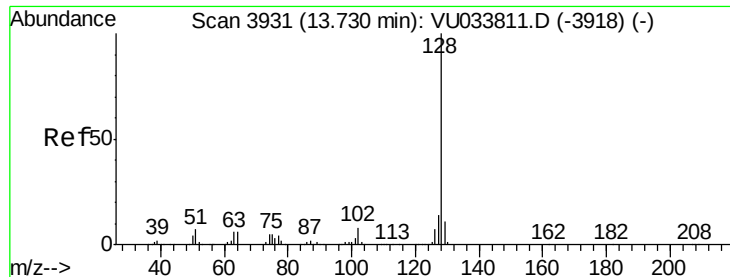
#68
 1,2,4-trichlorobenzene
 Concen: 3.679 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033809.D
 Acq: 15 Aug 2019 14:40

Tgt Ion:	180	Resp:	16180
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.2
145	26.2	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: 2.443 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

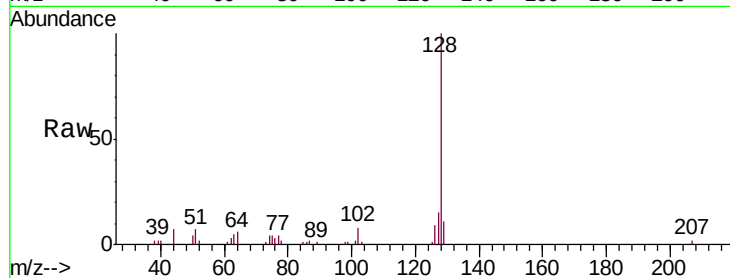
Tgt Ion:128 Resp: 31880

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

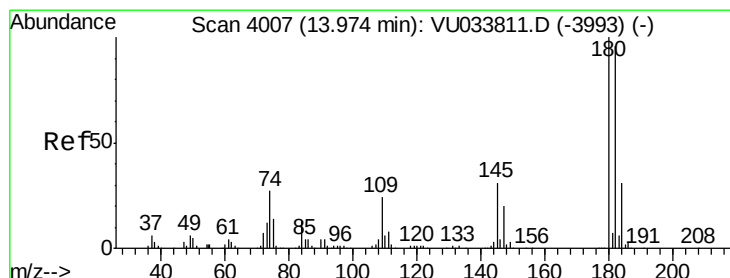
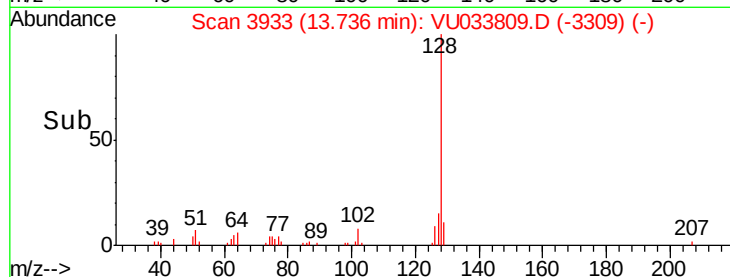
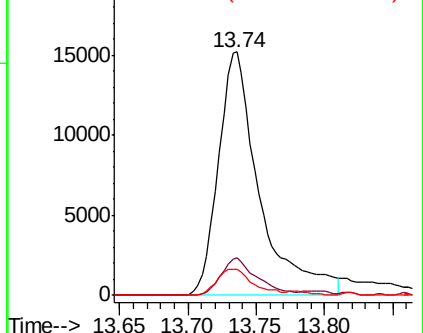
129 8.8 8.6 12.8



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: 3.573 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033809.D

Acq: 15 Aug 2019 14:40

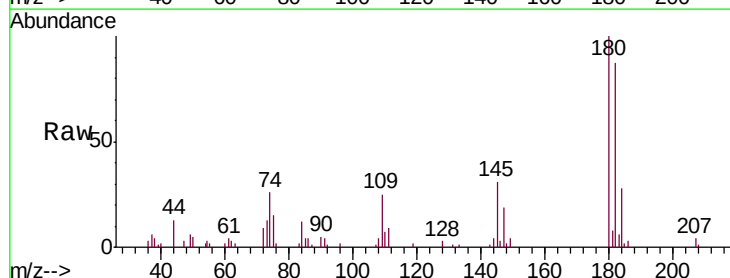
Tgt Ion:180 Resp: 16473

Ion Ratio Lower Upper

180 100

182 91.1 75.9 113.9

145 29.8 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

