

Data File : VU033131.D
Acq On : 02 Jul 2019 10:30
Operator : JC/SP
Sample : VSTD02006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Jul 03 01:29:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 01:24:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	93811	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	96699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116571	19.04	ug/L	0.00
7) Chloroethane-d5	1.67	69	101930	20.26	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.27	63	268399	20.09	ug/L	0.00
20) 2-Butanone-d5	4.18	46	446321	235.46	ug/L	0.00
24) Chloroform-d	4.64	84	271480	21.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	153990	20.95	ug/L	0.00
32) Benzene-d6	5.33	84	503429	21.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	162952	21.11	ug/L	0.00
41) Toluene-d8	7.56	98	487181	21.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	74754	23.17	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	355250	265.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	152559	22.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	208809	20.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	196572	20.472 ug/L	99
3) Chloromethane	1.32	50	189390	20.701 ug/L	100
5) Vinyl chloride	1.40	62	186554	20.324 ug/L	100
6) Bromomethane	1.61	94	108178	21.839 ug/L	95
8) Chloroethane	1.69	64	110374	20.611 ug/L	98
9) Trichlorofluoromethane	1.88	101	273109	21.035 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	139763	20.819 ug/L	99
12) 1,1-Dichloroethene	2.28	96	127741	20.513 ug/L	97
13) Acetone	2.32	43	319314	200.890 ug/L	99
14) Carbon disulfide	2.47	76	417816	20.219 ug/L	100
15) Methyl Acetate	2.61	43	77739	21.041 ug/L	97
16) Methylene chloride	2.69	84	140778	19.607 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	373172	21.386 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	138311	20.267 ug/L	99
19) 1,1-Dichloroethane	3.43	63	278390	20.724 ug/L	99
21) 2-Butanone	4.27	43	500175	221.960 ug/L	99
22) cis-1,2-Dichloroethene	4.21	96	160468	21.478 ug/L	98
23) Bromochloromethane	4.54	128	72790	22.062 ug/L	97
25) Chloroform	4.66	83	288056	20.921 ug/L	97
27) 1,2-Dichloroethane	5.40	62	204255	21.709 ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	252893	20.548 ug/L	100
30) Cyclohexane	4.98	56	250367	22.082 ug/L	100
31) Carbon tetrachloride	5.12	117	233160	20.993 ug/L	97
33) Benzene	5.38	78	599107	21.066 ug/L	100
34) Trichloroethene	6.18	95	162082	20.812 ug/L	98
35) Methylcyclohexane	6.41	83	262102	22.475 ug/L	98
37) 1,2-Dichloropropane	6.42	63	159889	20.890 ug/L	100
38) Bromodichloromethane	6.75	83	211680	21.038 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	254185	22.737 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1223589	231.372 ug/L	99

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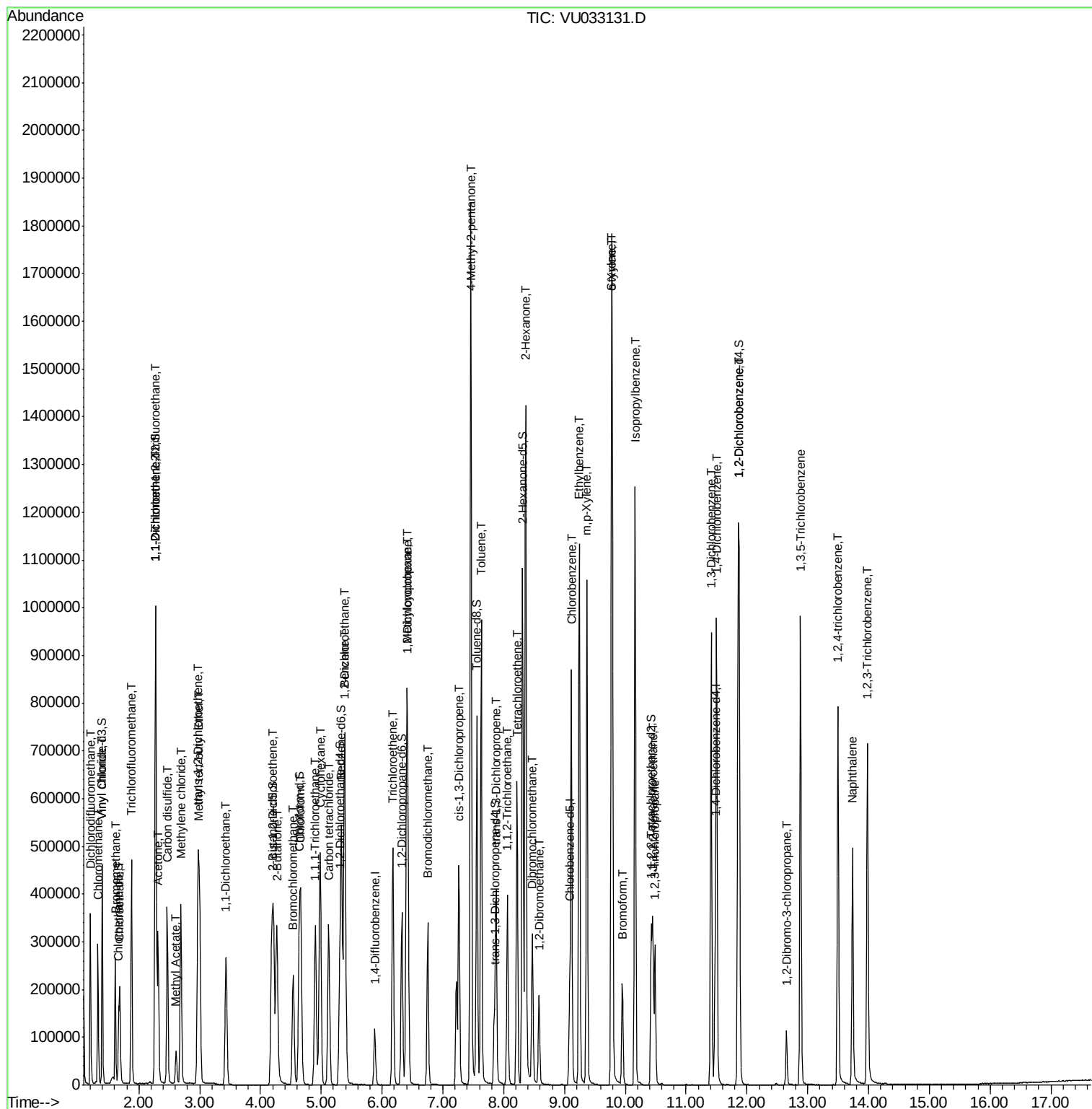
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	664896	21.852	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	211836	23.439	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	114953	21.324	ug/L	99
47) Tetrachloroethene	8.22	164	134215	21.385	ug/L	98
48) 2-Hexanone	8.36	43	903766	239.366	ug/L	98
49) Dibromochloromethane	8.47	129	151584	22.431	ug/L	96
50) 1,2-Dibromoethane	8.58	107	114679	21.904	ug/L #	99
51) Chlorobenzene	9.11	112	428734	21.303	ug/L	99
52) Ethylbenzene	9.24	91	756106	22.609	ug/L	99
53) m,p-Xylene	9.37	106	282805	23.295	ug/L	99
54) o-Xylene	9.77	106	277611	23.517	ug/L	96
55) Styrene	9.78	104	485105	24.291	ug/L	99
56) Isopropylbenzene	10.16	105	761996	23.647	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	154938	22.452	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	114473	22.431	ug/L	100
61) Bromoform	9.95	173	90978	22.317	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	363411	21.570	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	371135	21.088	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	352526	21.528	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	27961	25.332	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	290356	21.796	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	243074	25.717	ug/L	99
69) Naphthalene	13.74	128	401491	28.887	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	229380	24.880	ug/L	96

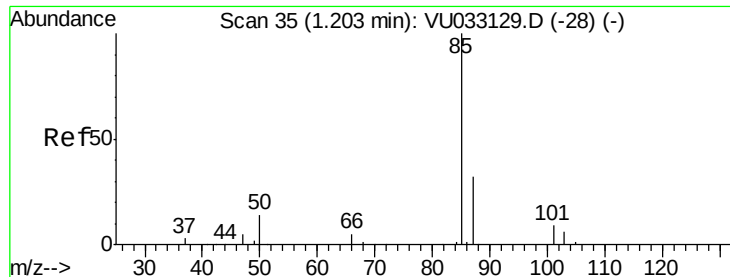
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.472 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

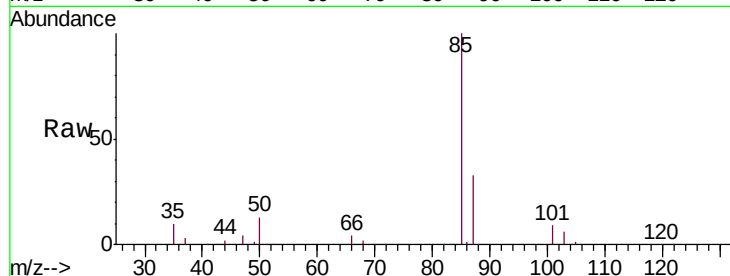
VSTD02006

Tgt Ion: 85 Resp: 196572

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033129.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033129.D (-28) (-)

1.20

200000

150000

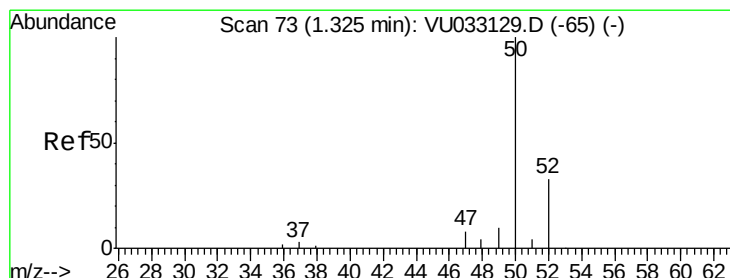
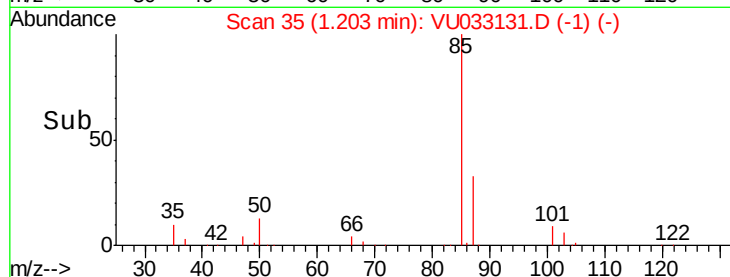
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 20.701 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033131.D

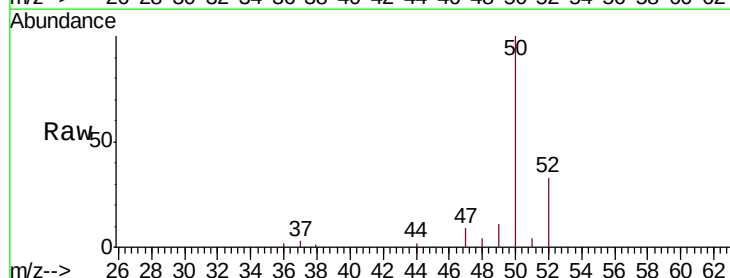
Acq: 02 Jul 2019 10:30

Tgt Ion: 50 Resp: 189390

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU033129.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU033129.D (-65) (-)

1.32

200000

150000

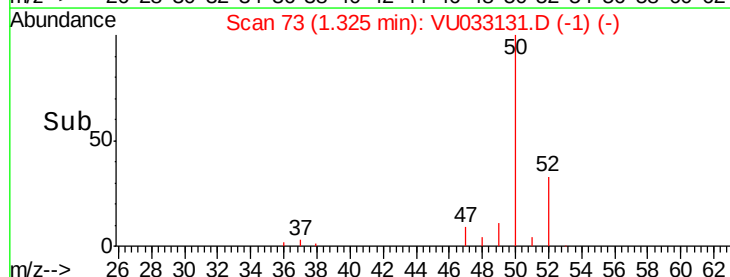
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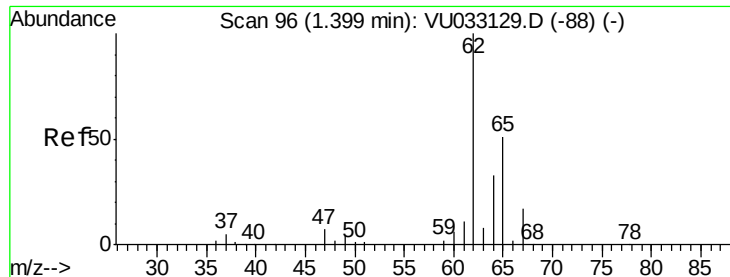
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 20.324 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

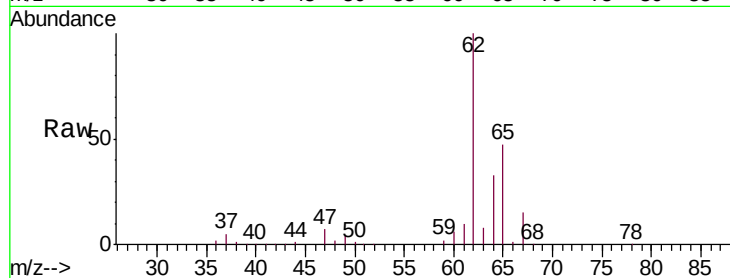
VSTD02006

Tgt Ion: 62 Resp: 186554

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

200000

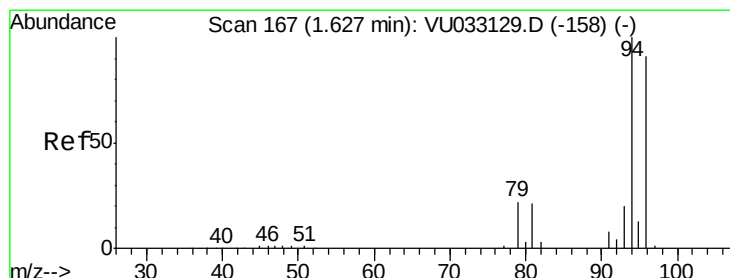
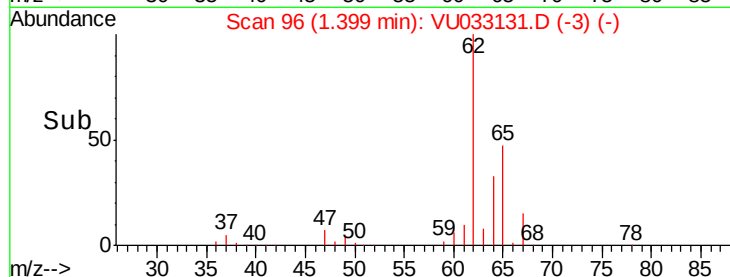
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 21.839 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.02 min

Lab File: VU033131.D

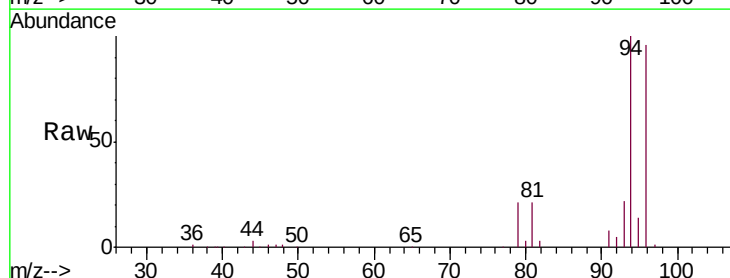
Acq: 02 Jul 2019 10:30

Tgt Ion: 94 Resp: 108178

Ion Ratio Lower Upper

94 100

96 95.8 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

100000

80000

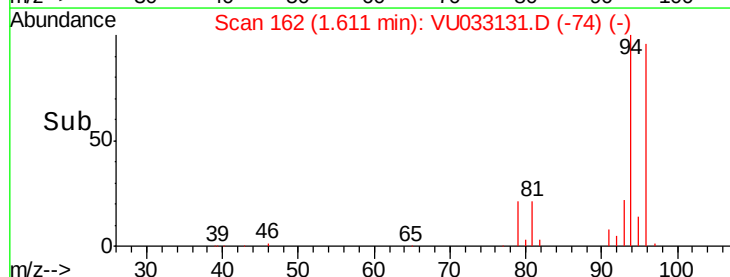
60000

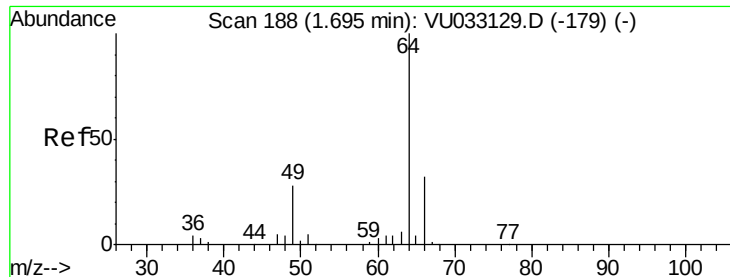
40000

20000

0

Time-->

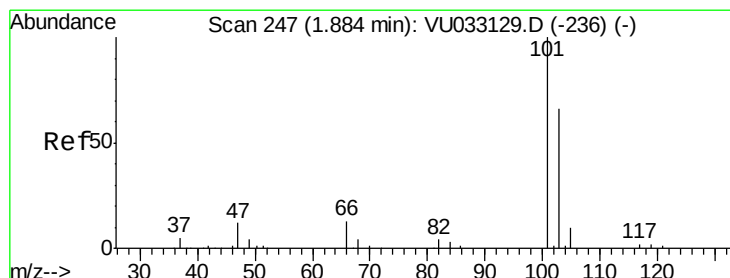
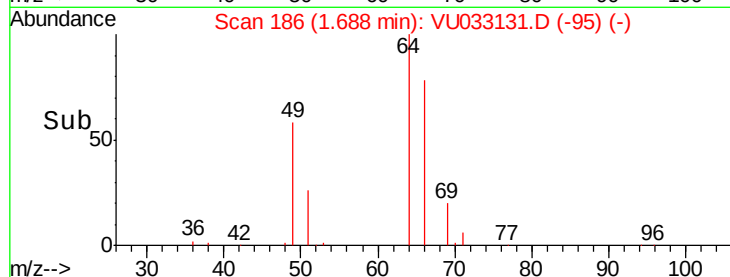
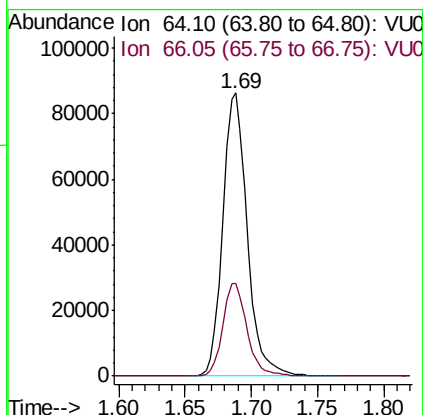
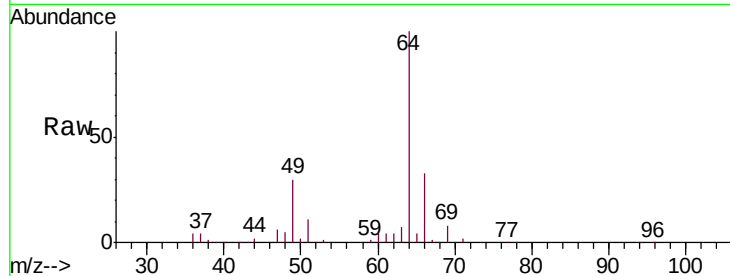




#8
Chloroethane
Concen: 20.611 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

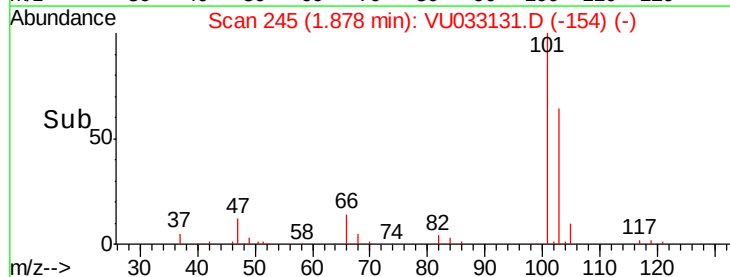
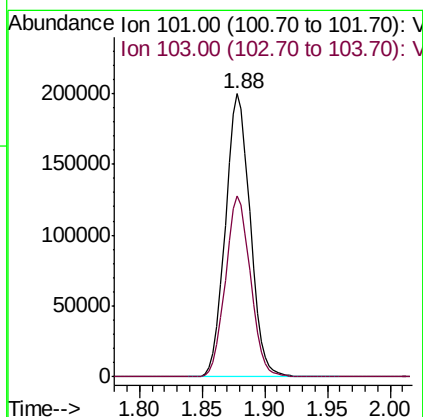
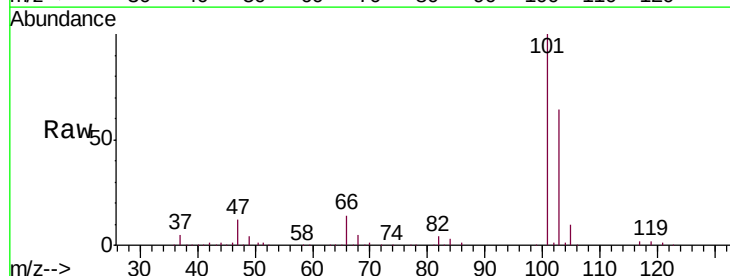
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

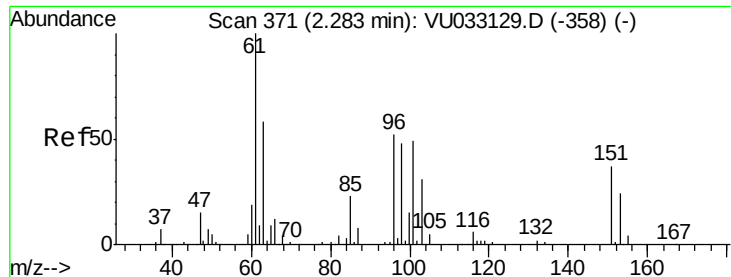
Tgt Ion: 64 Resp: 110374
Ion Ratio Lower Upper
64 100
66 32.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 21.035 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.01 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Tgt Ion: 101 Resp: 273109
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 20.819 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

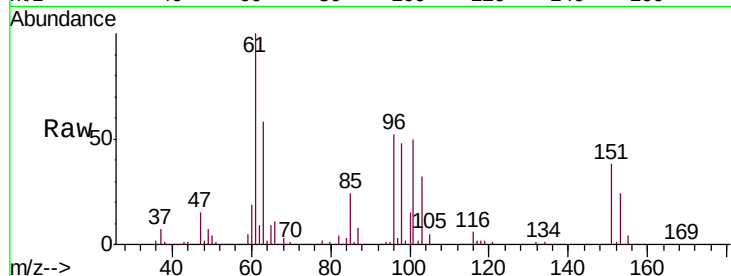
Tgt Ion: 101 Resp: 139763

Ion Ratio Lower Upper

101 100

85 47.3 38.0 57.0

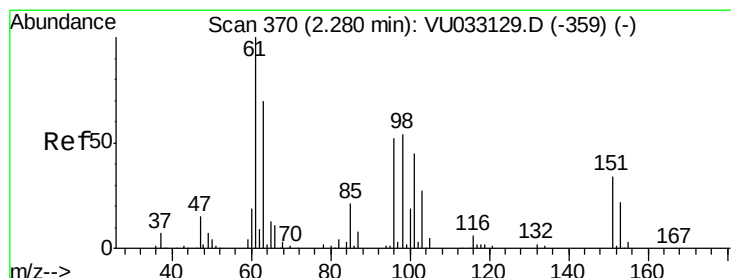
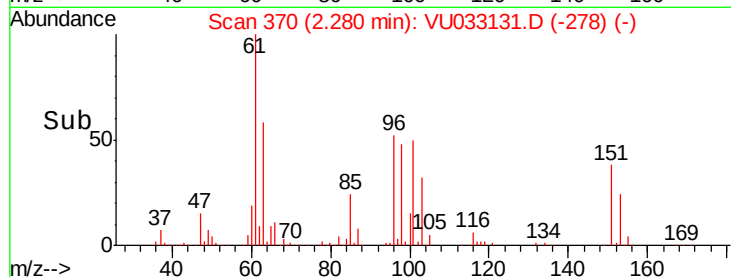
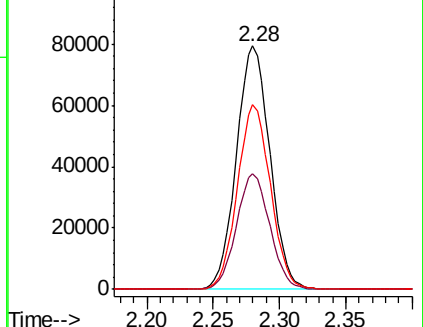
151 75.0 60.6 91.0



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: 20.513 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

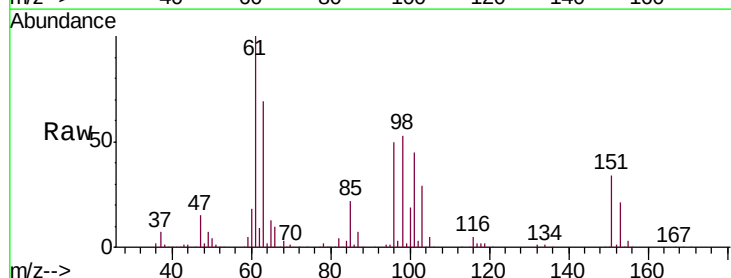
Tgt Ion: 96 Resp: 127741

Ion Ratio Lower Upper

96 100

61 198.6 135.5 251.7

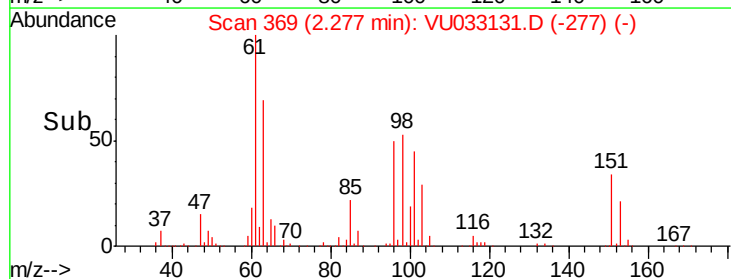
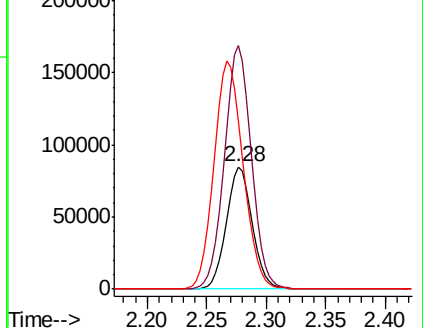
63 137.4 98.0 182.0

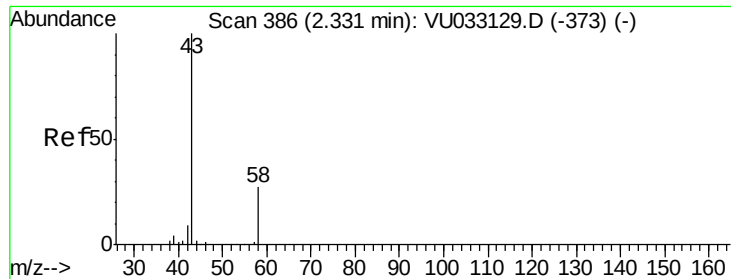


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 200.890 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.02 min

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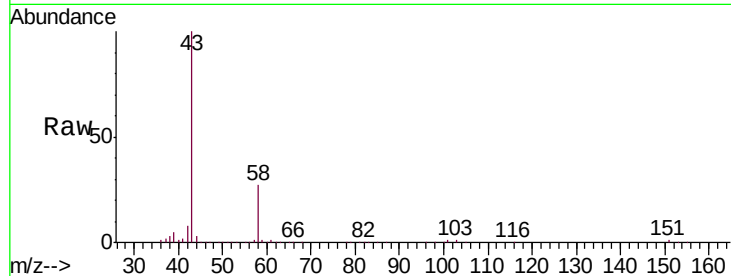
VSTD02006

Tgt Ion: 43 Resp: 319314

Ion Ratio Lower Upper

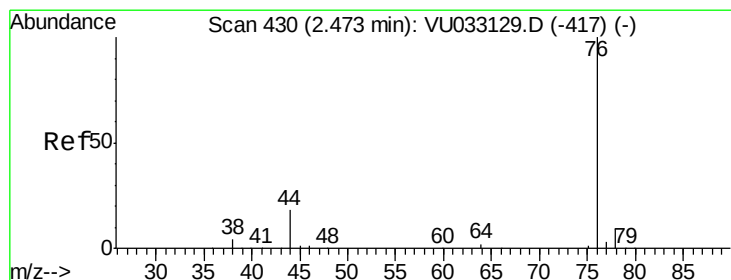
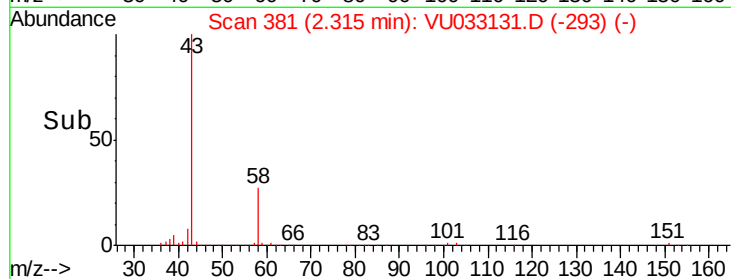
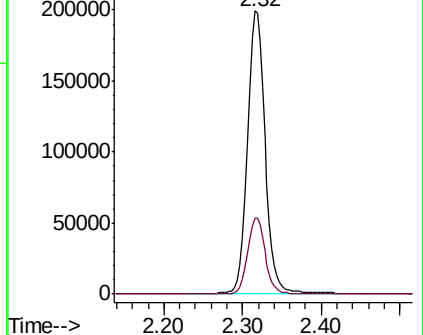
43 100

58 26.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033129.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU033129.D (-373) (-)



#14

Carbon disulfide

Concen: 20.219 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VU033131.D

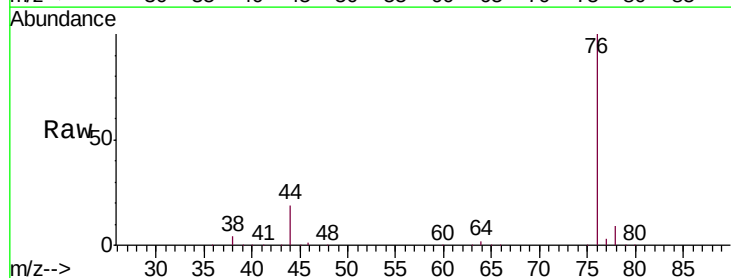
Acq: 02 Jul 2019 10:30

Tgt Ion: 76 Resp: 417816

Ion Ratio Lower Upper

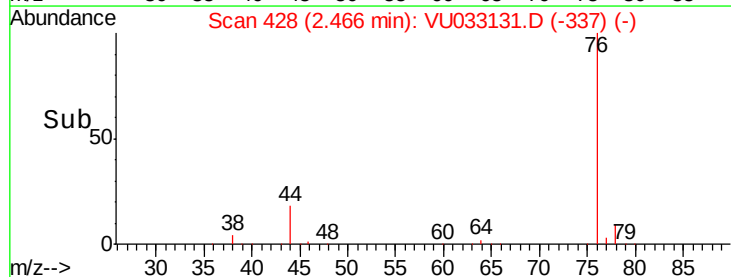
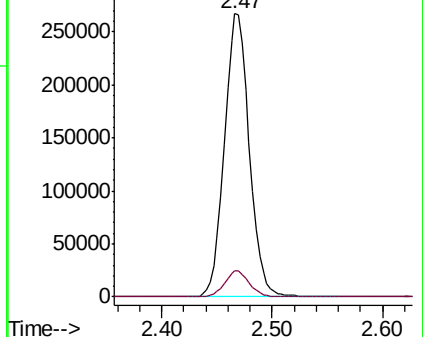
76 100

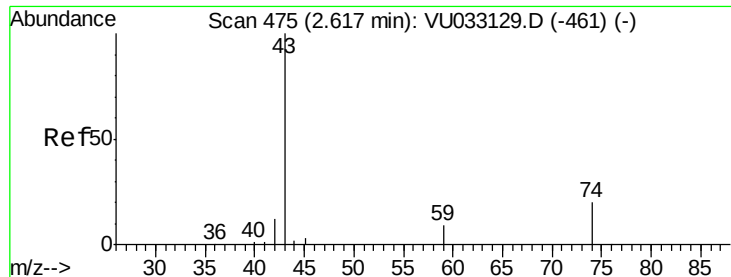
78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU033129.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033129.D (-417) (-)

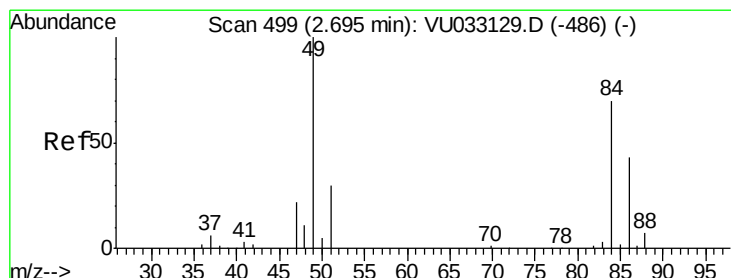
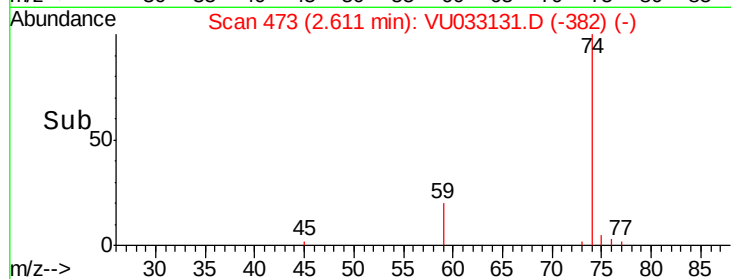
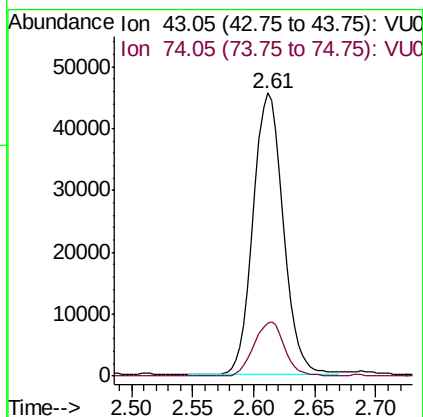
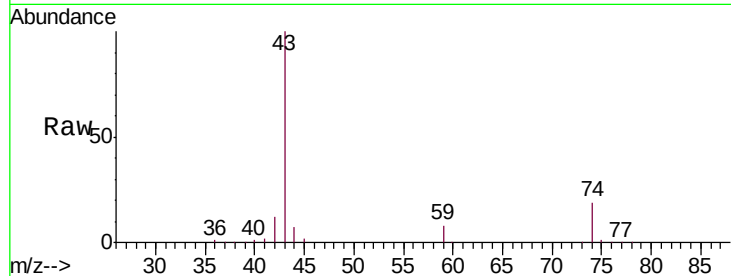




#15
Methyl Acetate
Concen: 21.041 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.01 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

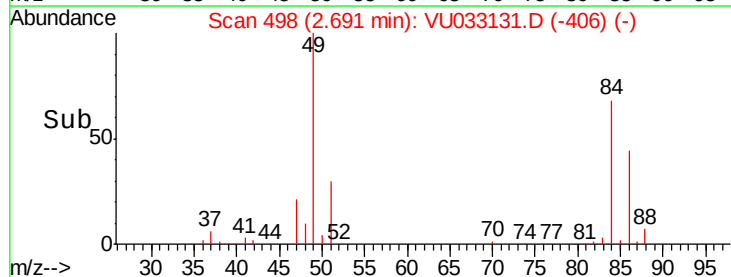
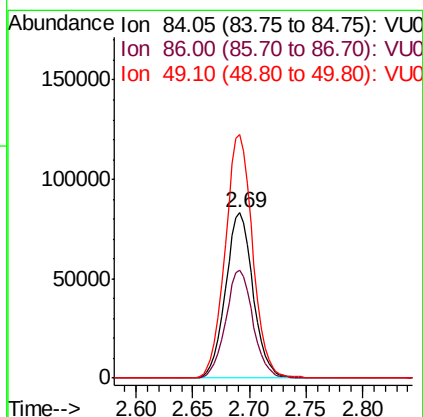
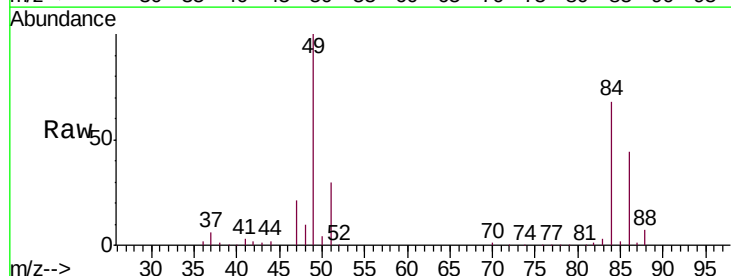
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

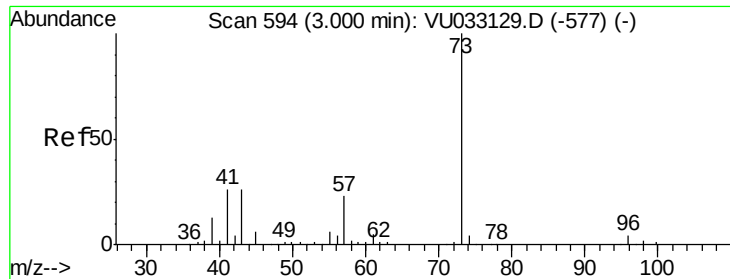
Tgt Ion: 43 Resp: 77739
Ion Ratio Lower Upper
43 100
74 19.7 16.8 25.2



#16
Methylene chloride
Concen: 19.607 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Tgt Ion: 84 Resp: 140778
Ion Ratio Lower Upper
84 100
86 65.1 42.8 79.6
49 147.5 99.5 184.9

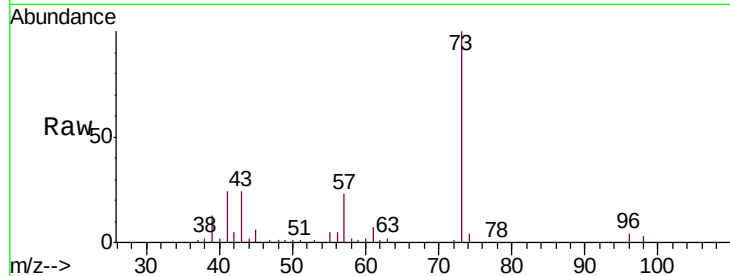




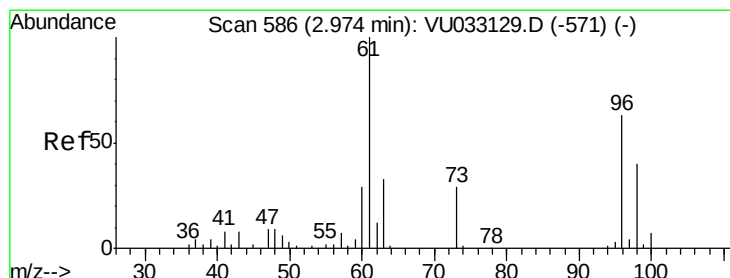
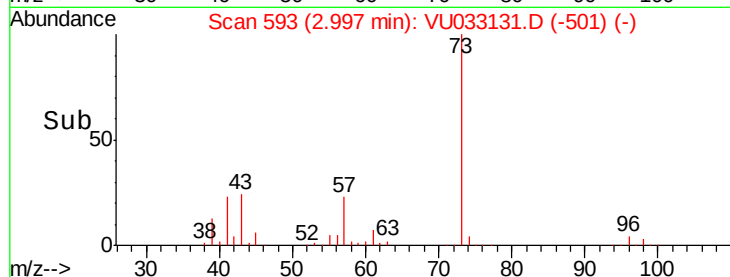
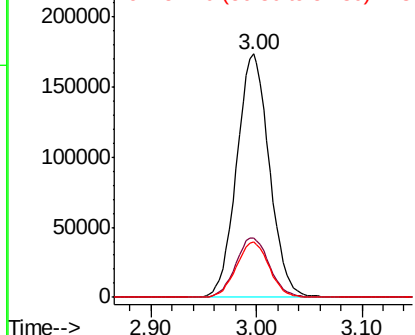
#17
Methyl tert-butyl Ether
Concen: 21.386 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 73 Resp: 373172
Ion Ratio Lower Upper
73 100
43 25.0 20.6 30.8
57 22.9 18.3 27.5

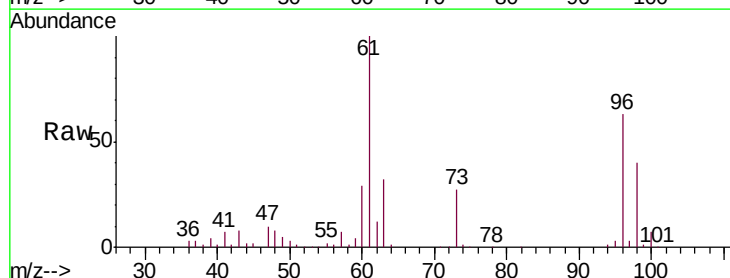


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

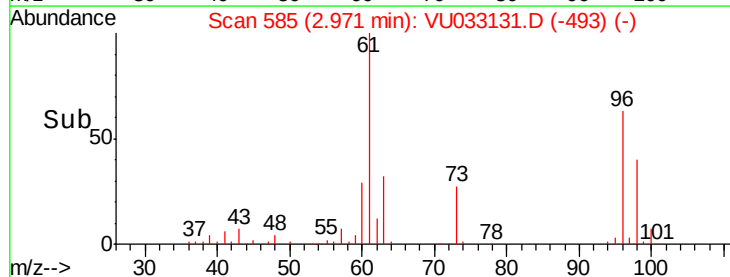
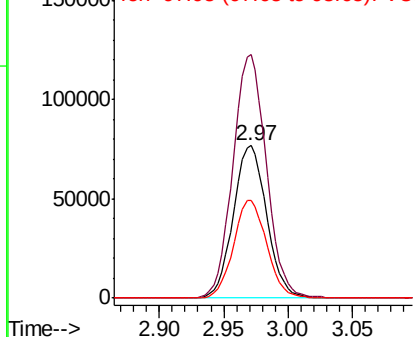


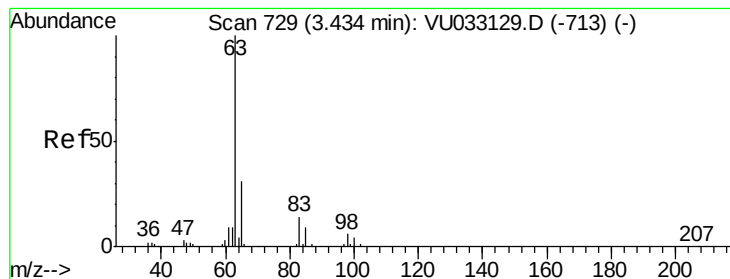
#18
trans-1,2-Dichloroethene
Concen: 20.267 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Tgt Ion: 96 Resp: 138311
Ion Ratio Lower Upper
96 100
61 159.9 111.3 206.7
98 64.0 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 20.724 ug/L

RT: 3.43 min Scan# 728

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

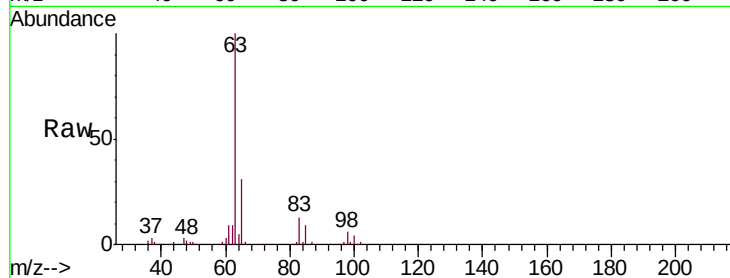
Tgt Ion: 63 Resp: 278390

Ion Ratio Lower Upper

63 100

65 30.5 21.4 39.8

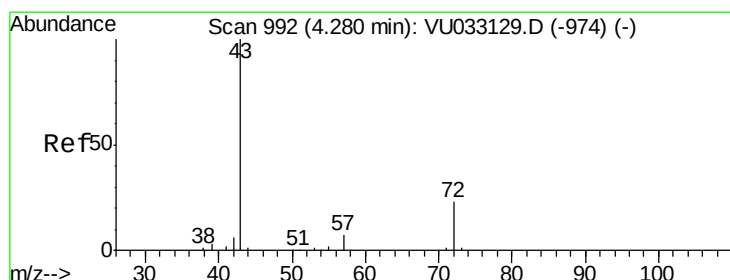
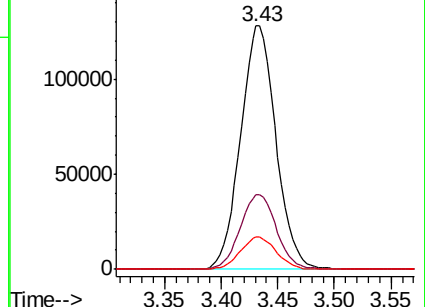
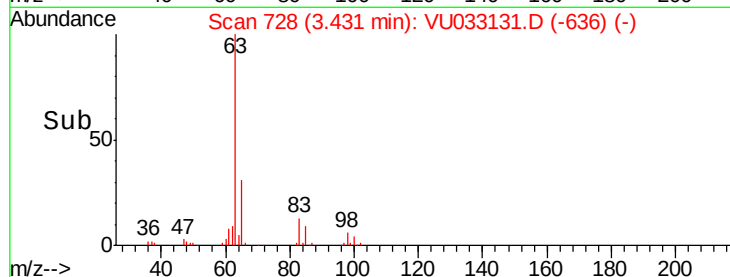
83 13.4 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU033131.D (-636) (-)

Ion 65.10 (64.80 to 65.80): VU033131.D (-636) (-)

Ion 83.05 (82.75 to 83.75): VU033131.D (-636) (-)



#21

2-Butanone

Concen: 221.960 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VU033131.D

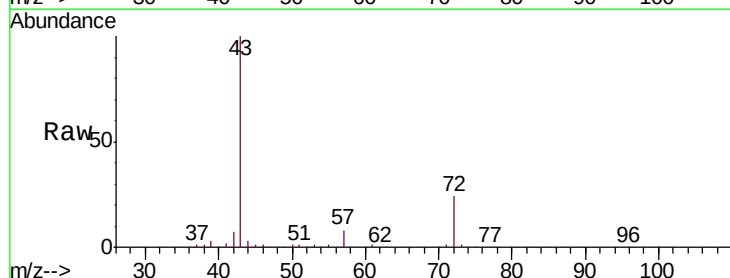
Acq: 02 Jul 2019 10:30

Tgt Ion: 43 Resp: 500175

Ion Ratio Lower Upper

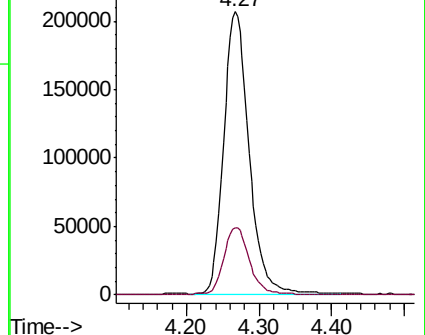
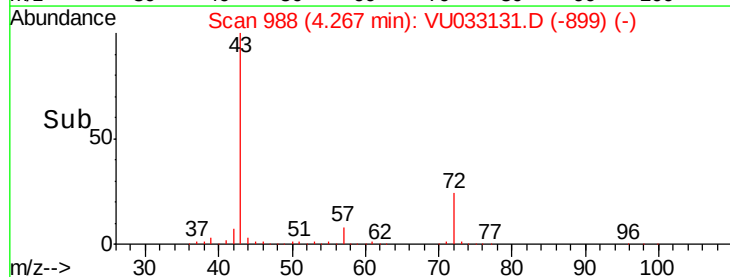
43 100

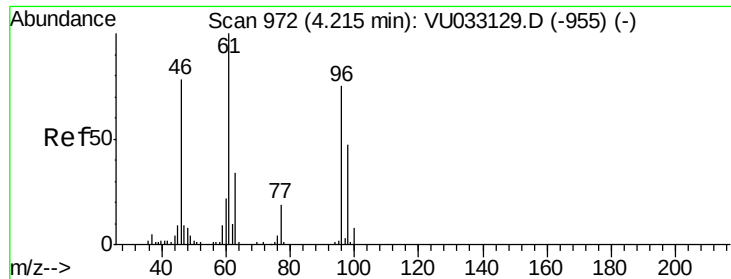
72 24.6 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU033131.D (-899) (-)

Ion 72.10 (71.80 to 72.80): VU033131.D (-899) (-)



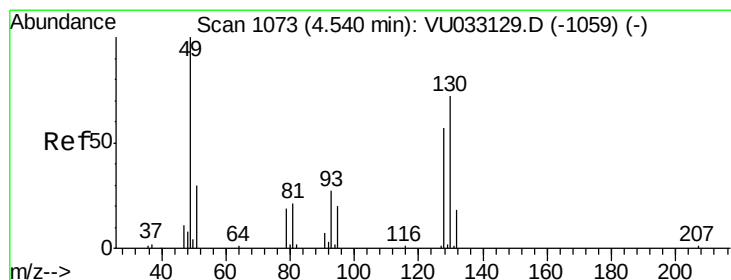
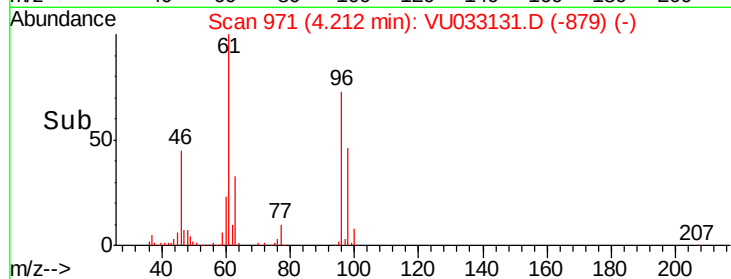
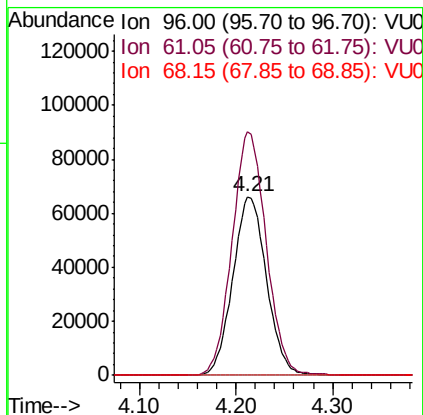
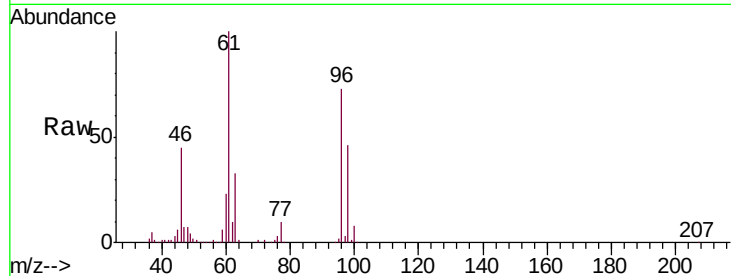


#22

cis-1,2-Dichloroethene
 Concen: 21.478 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

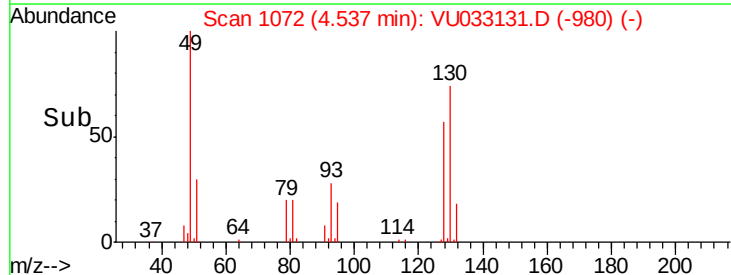
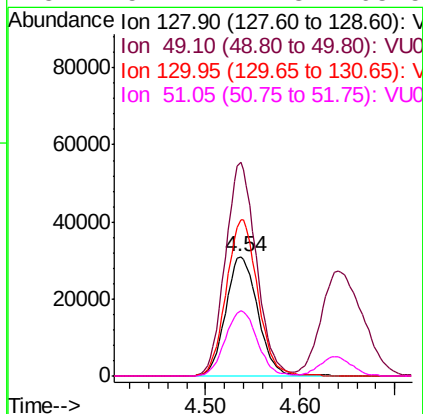
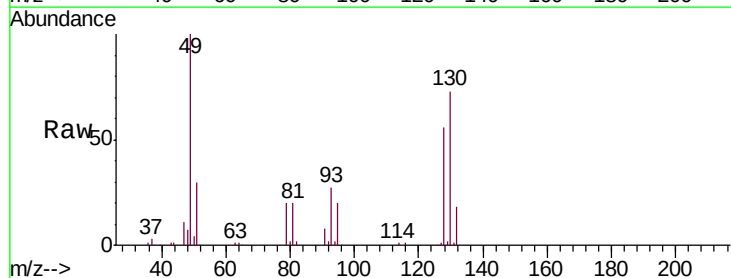
Tgt Ion: 96 Resp: 160468
 Ion Ratio Lower Upper
 96 100
 61 136.4 93.9 174.5
 68 0.0 0.0 0.0

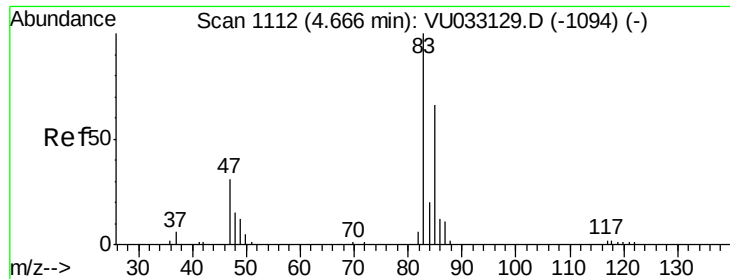


#23

Bromochloromethane
 Concen: 22.062 ug/L
 RT: 4.54 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Tgt Ion: 128 Resp: 72790
 Ion Ratio Lower Upper
 128 100
 49 179.0 122.7 227.9
 130 130.5 88.1 163.5
 51 54.4 42.3 63.5

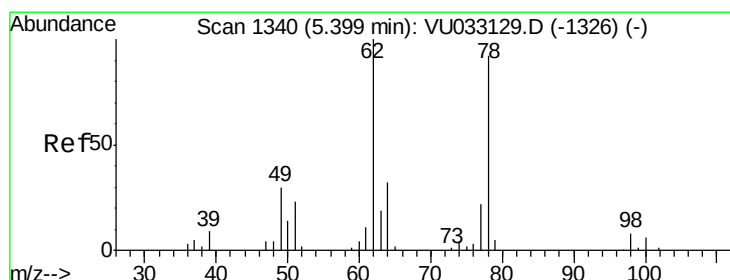
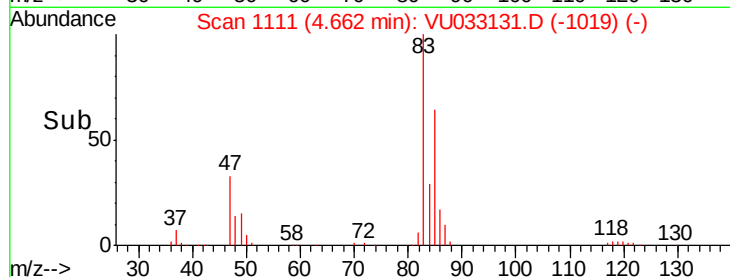
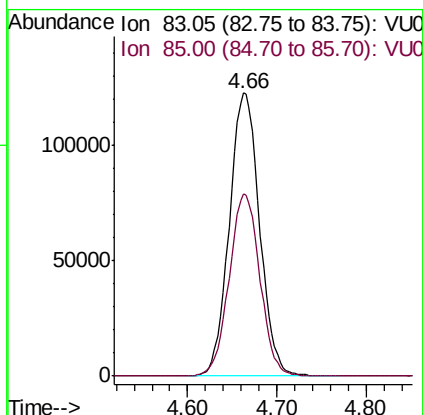
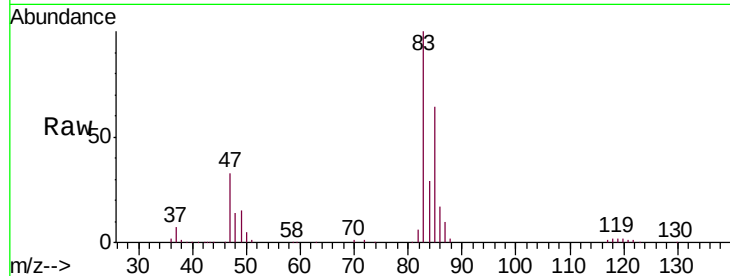




#25
Chloroform
Concen: 20.921 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

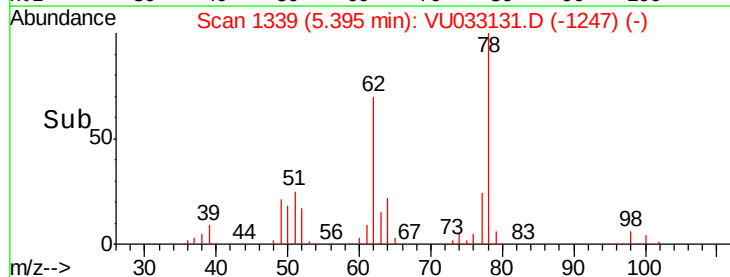
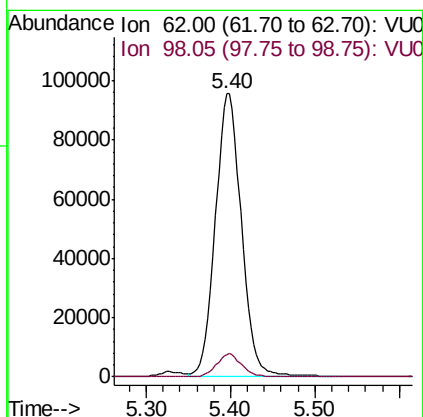
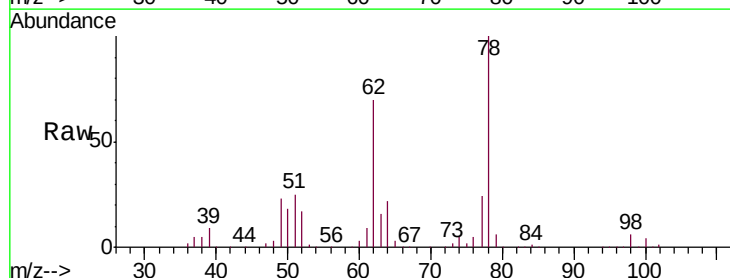
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

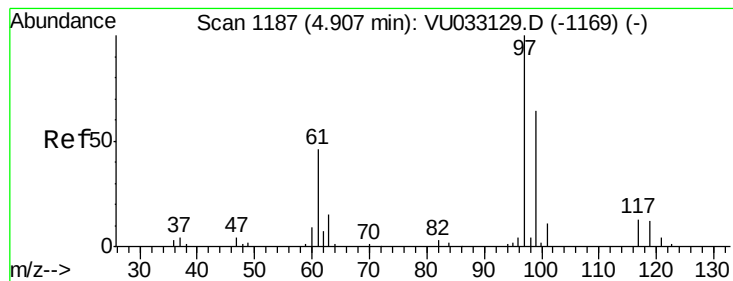
Tgt Ion: 83 Resp: 288056
Ion Ratio Lower Upper
83 100
85 64.2 46.6 86.6



#27
1,2-Dichloroethane
Concen: 21.709 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Tgt Ion: 62 Resp: 204255
Ion Ratio Lower Upper
62 100
98 8.1 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 20.548 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

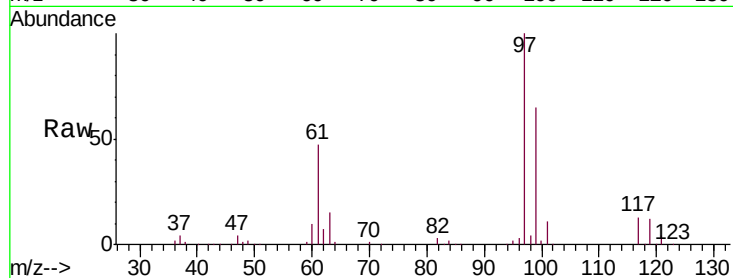
Tgt Ion: 97 Resp: 252893

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

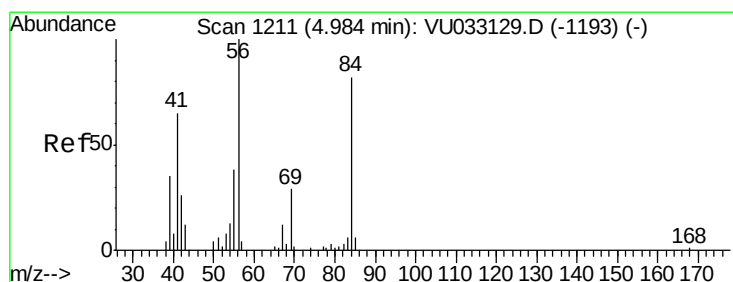
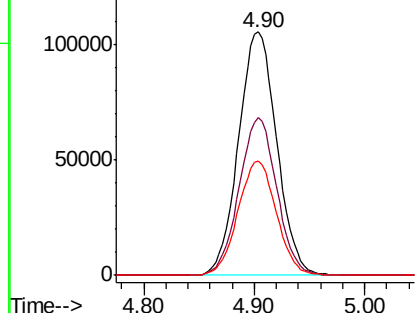
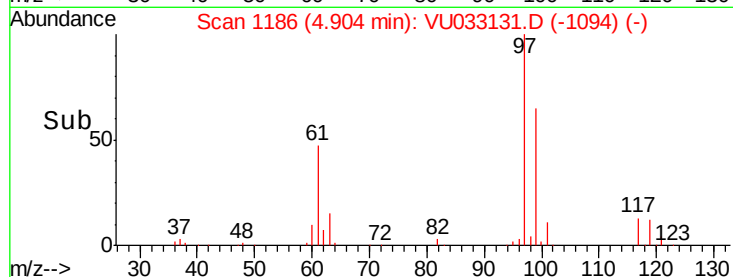
61 47.3 37.8 56.8



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 22.082 ug/L

RT: 4.98 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

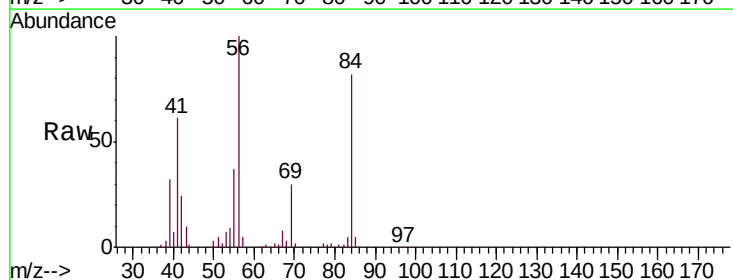
Tgt Ion: 56 Resp: 250367

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.0

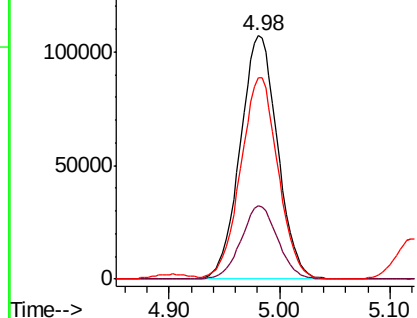
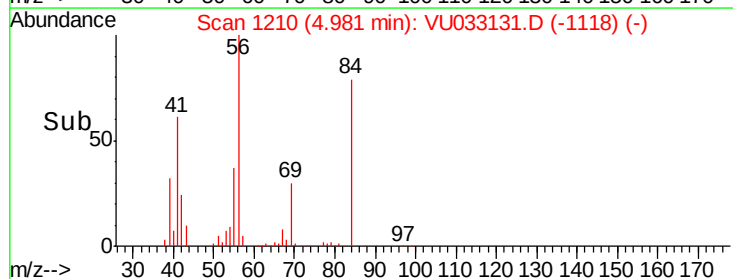
84 83.4 66.8 100.2

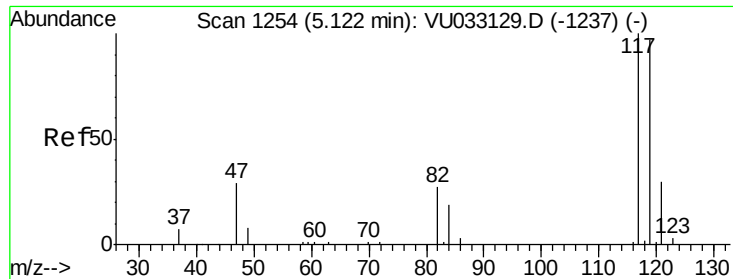


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 20.993 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

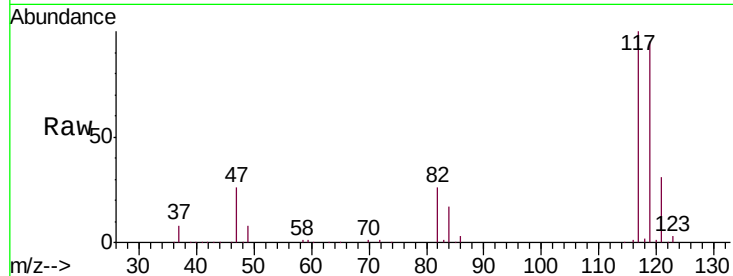
VSTD02006

Tgt Ion:117 Resp: 233160

Ion Ratio Lower Upper

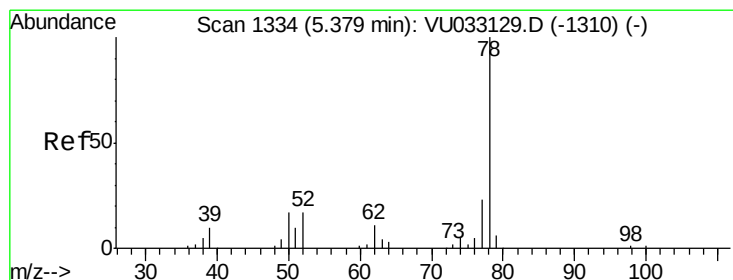
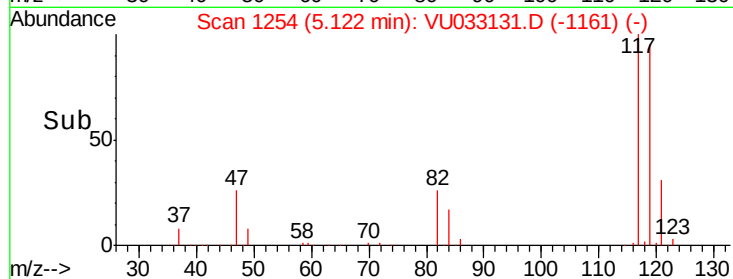
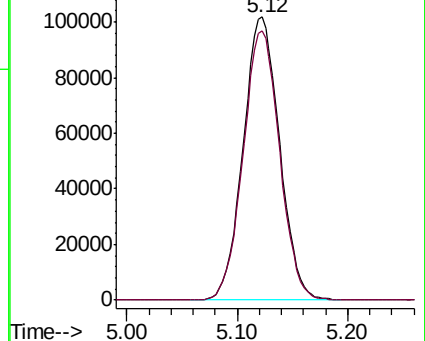
117 100

119 95.4 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 21.066 ug/L

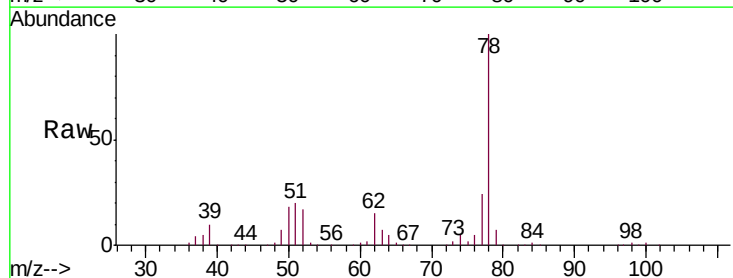
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

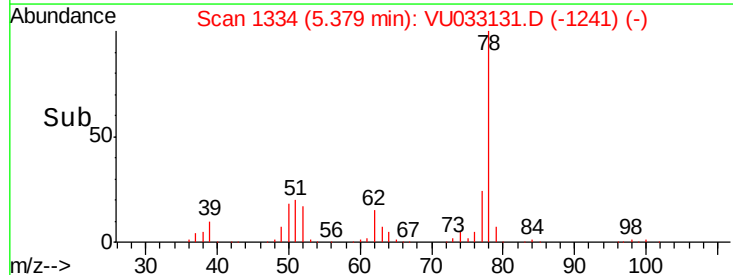
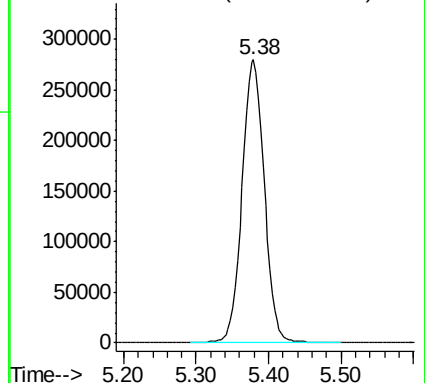
Lab File: VU033131.D

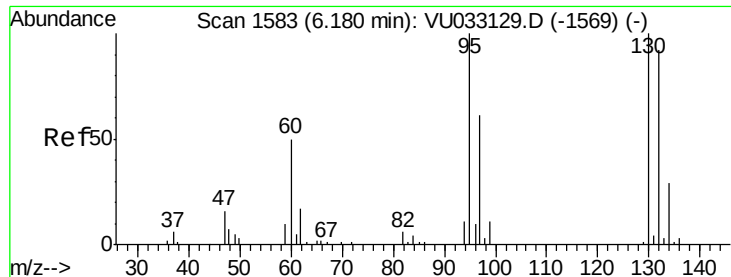
Acq: 02 Jul 2019 10:30

Tgt Ion: 78 Resp: 599107



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.812 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 95 Resp: 162082

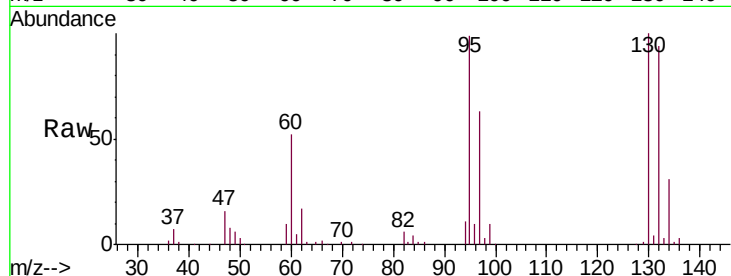
Ion Ratio Lower Upper

95 100

97 64.1 42.8 79.4

132 95.1 64.6 120.0

130 101.2 70.0 130.0

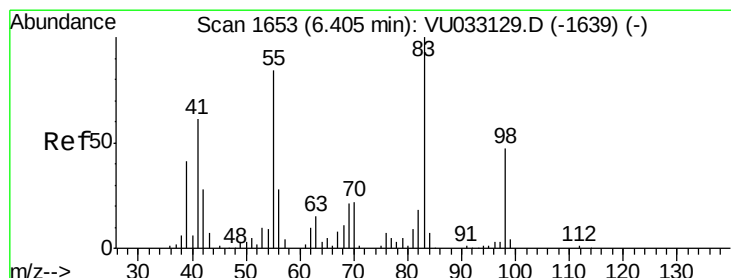
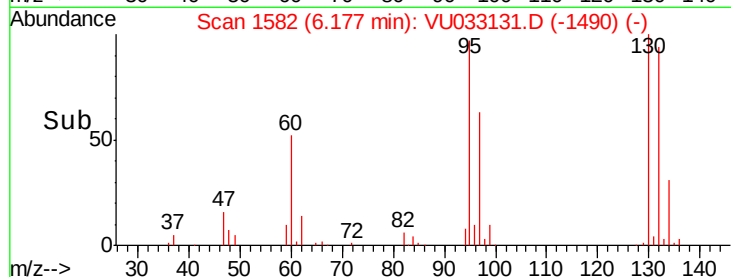
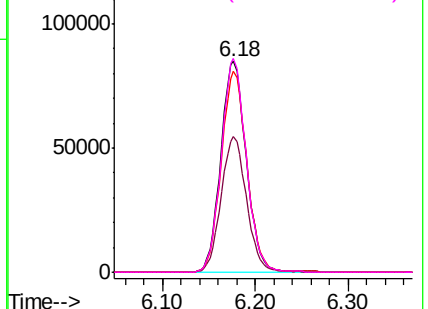


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 22.475 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

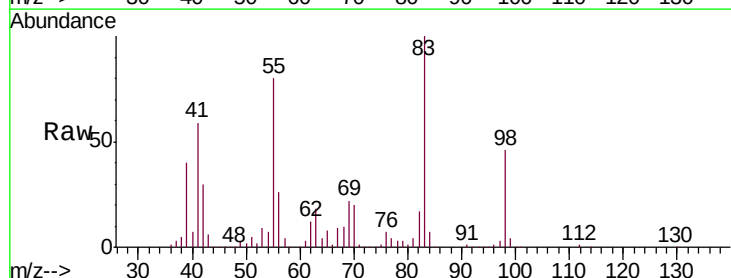
Tgt Ion: 83 Resp: 262102

Ion Ratio Lower Upper

83 100

55 80.3 66.5 99.7

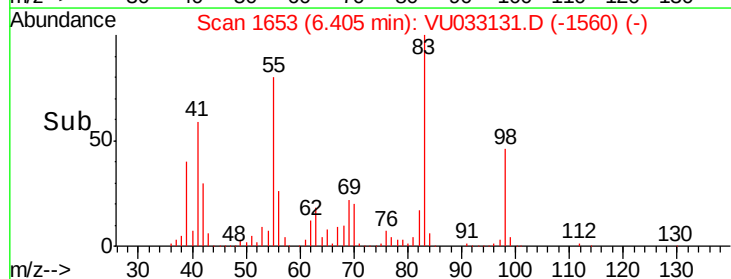
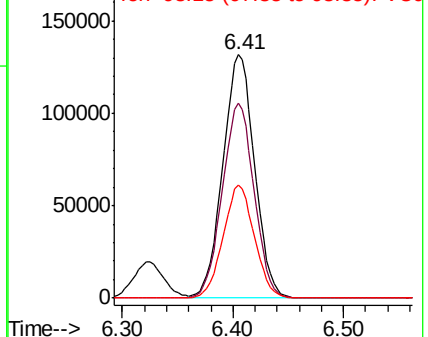
98 45.8 37.1 55.7

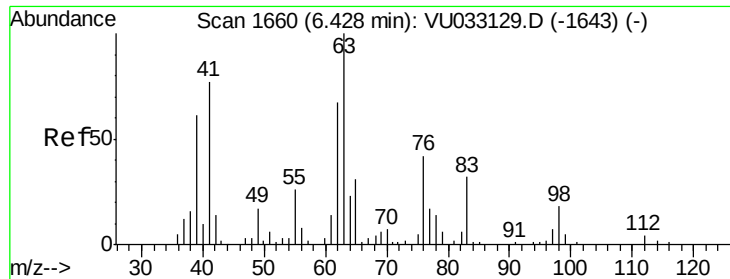


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

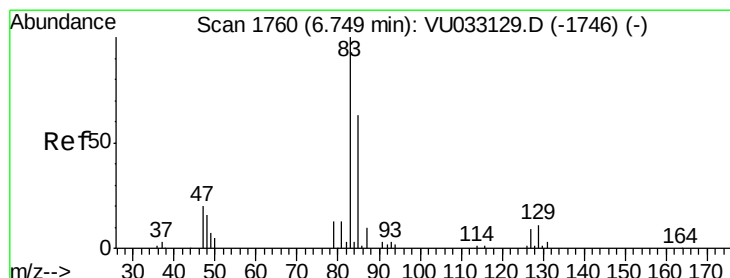
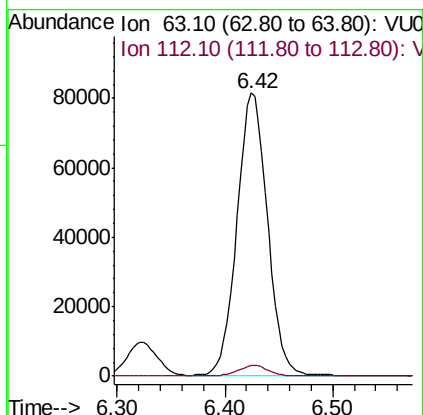
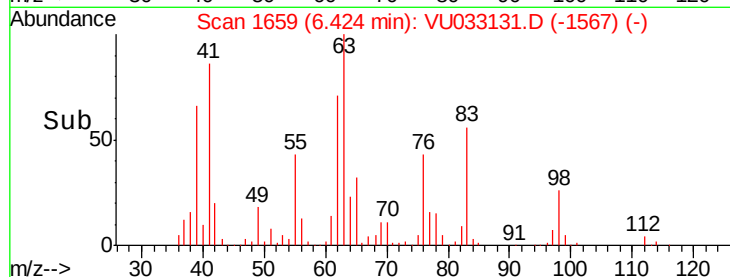
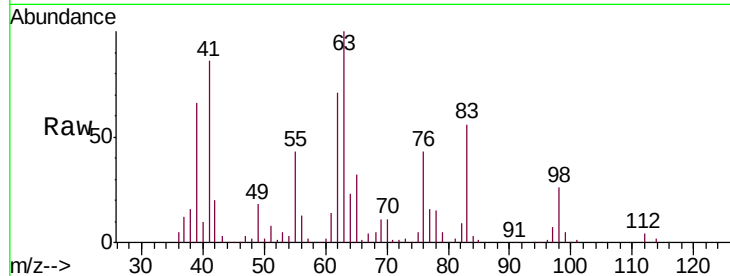




#37
 1,2-Dichloropropane
 Concen: 20.890 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

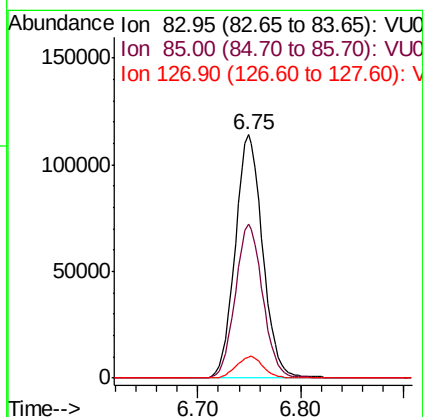
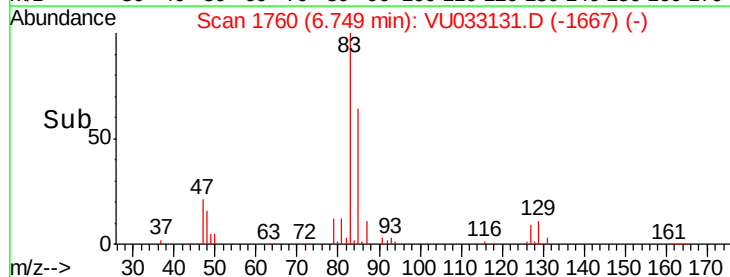
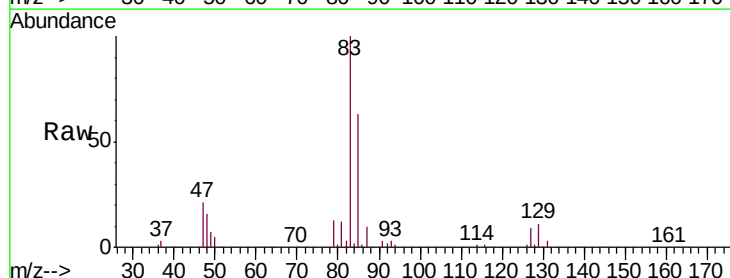
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

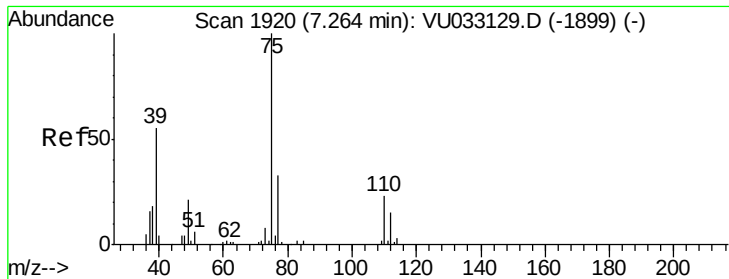
Tgt Ion: 63 Resp: 159889
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 21.038 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Tgt Ion: 83 Resp: 211680
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.8 81.4
 127 8.7 7.5 11.3

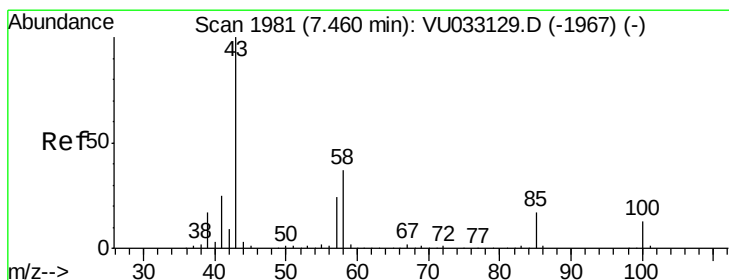
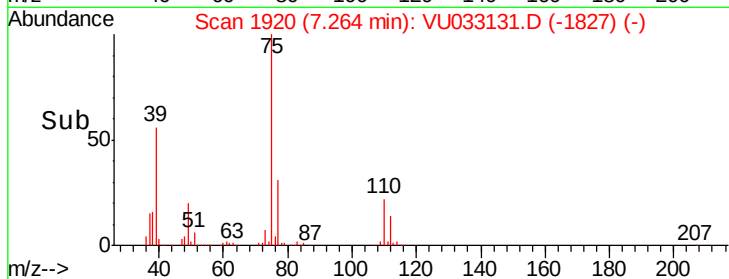
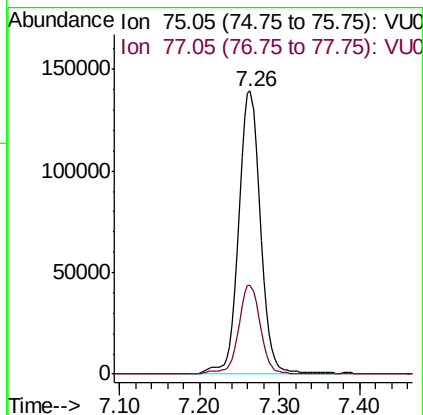
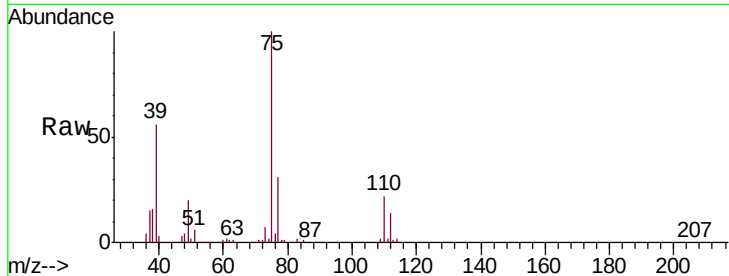




#39
 cis-1,3-Dichloropropene
 Concen: 22.737 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

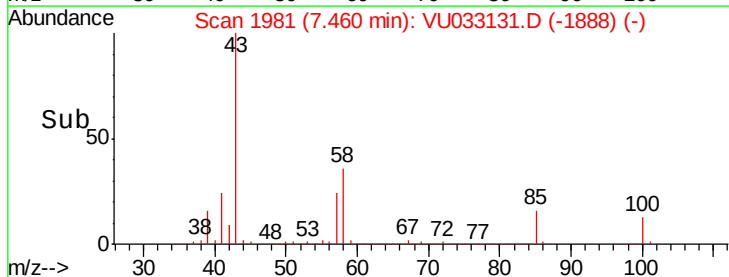
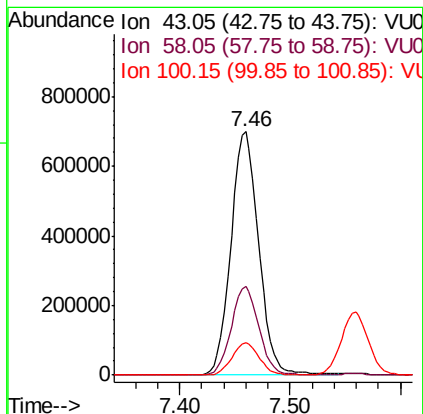
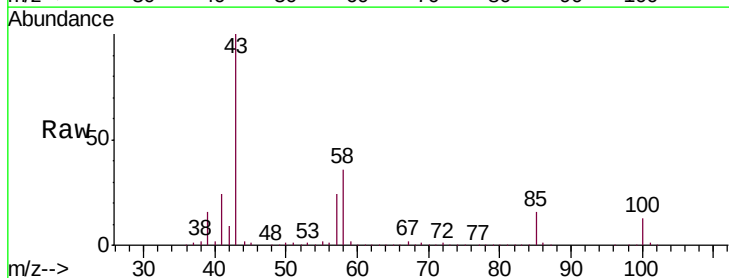
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

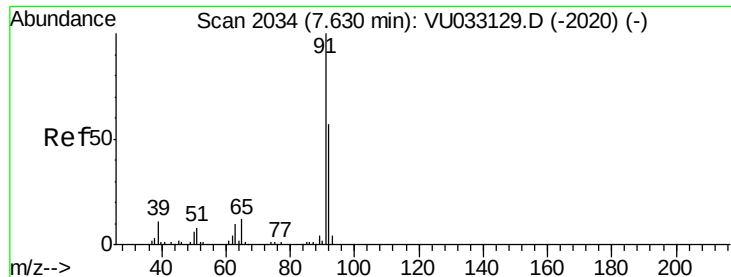
Tgt Ion: 75 Resp: 254185
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 231.372 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Tgt Ion: 43 Resp: 1223589
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.5 42.7
 100 13.1 10.4 15.6





#42

Toluene

Concen: 21.852 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

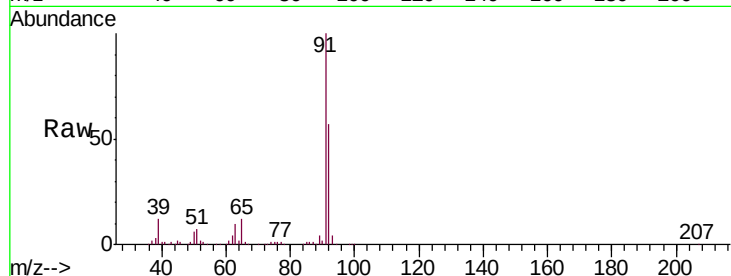
VSTD02006

Tgt Ion: 91 Resp: 664896

Ion Ratio Lower Upper

91 100

92 57.3 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033131.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033131.D (-2020) (-)

7.63

400000

300000

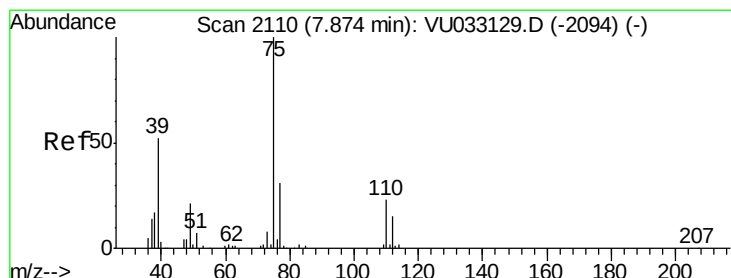
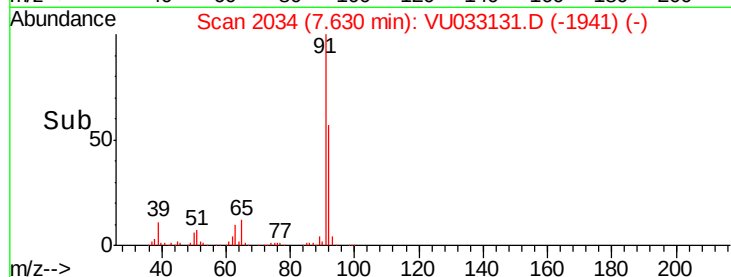
200000

100000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.439 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033131.D

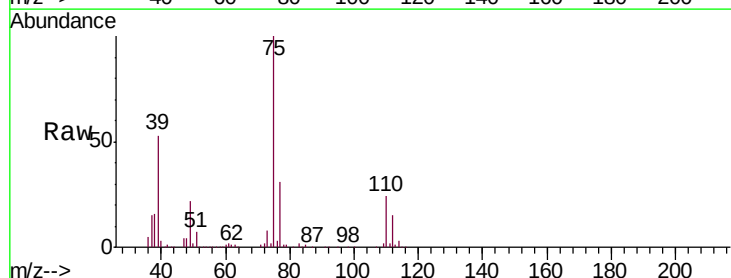
Acq: 02 Jul 2019 10:30

Tgt Ion: 75 Resp: 211836

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033131.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU033131.D (-2094) (-)

7.87

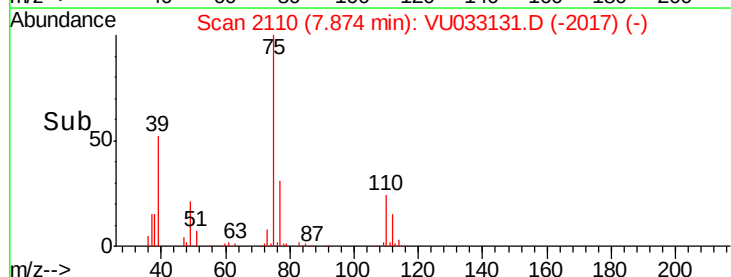
100000

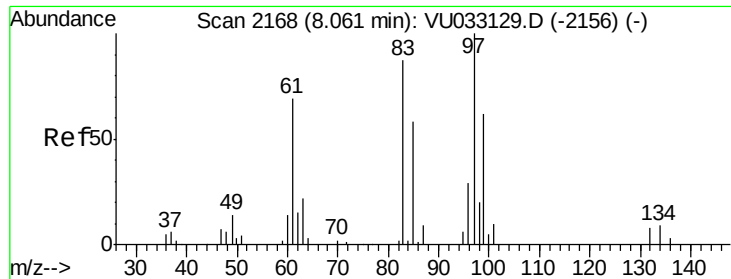
50000

0

7.80 7.90 8.00

Time-->

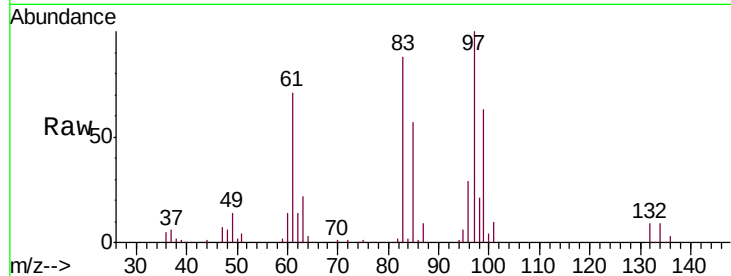




#45
 1,1,2-Trichloroethane
 Concen: 21.324 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:	97	Resp:	114953
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.5	80.7
83	88.0	60.8	112.8
85	57.1	40.7	75.7



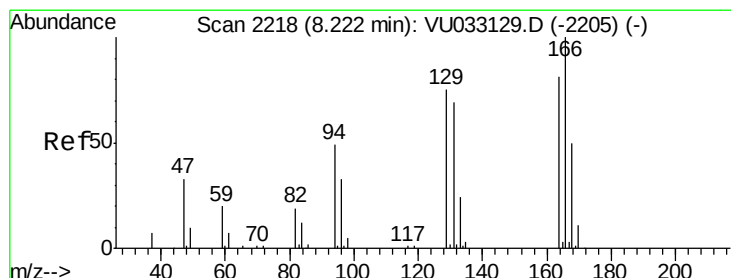
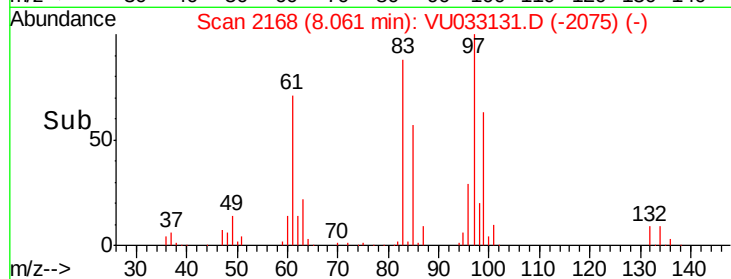
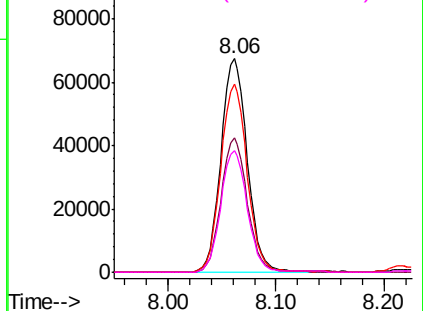
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

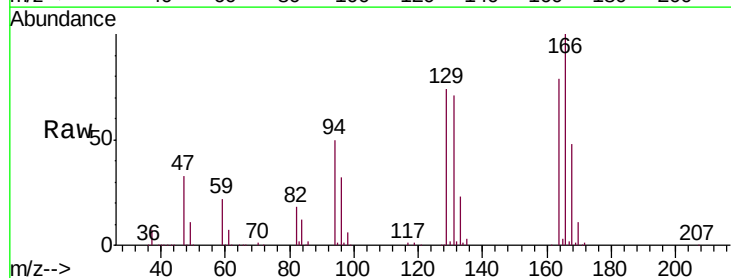
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 21.385 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Tgt Ion:	164	Resp:	134215
Ion	Ratio	Lower	Upper
164	100		
129	93.6	65.3	121.3
131	89.9	60.3	112.1
166	127.0	86.9	161.3



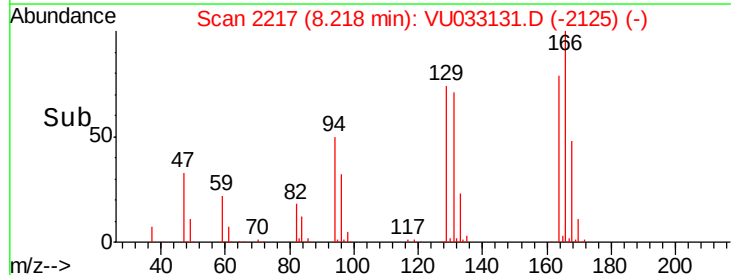
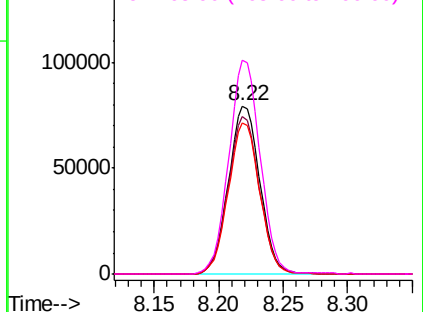
Abundance

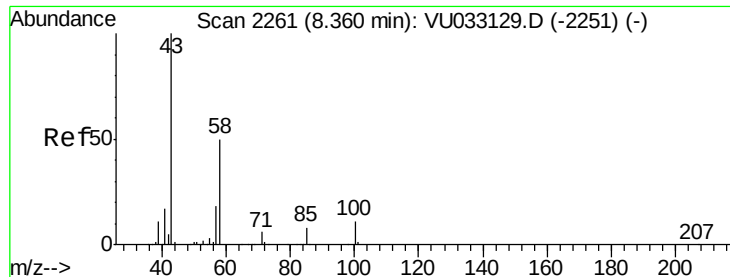
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

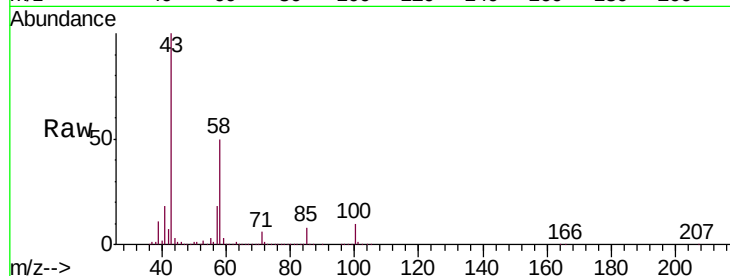




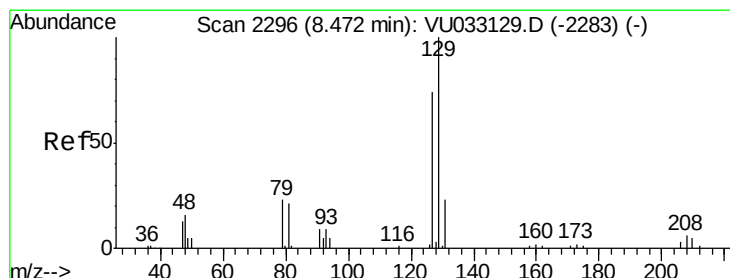
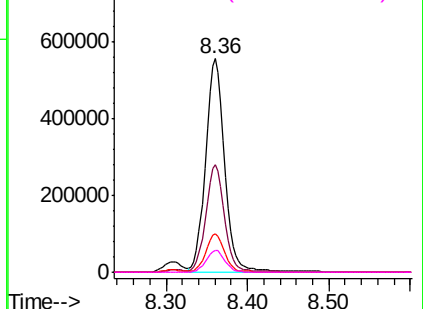
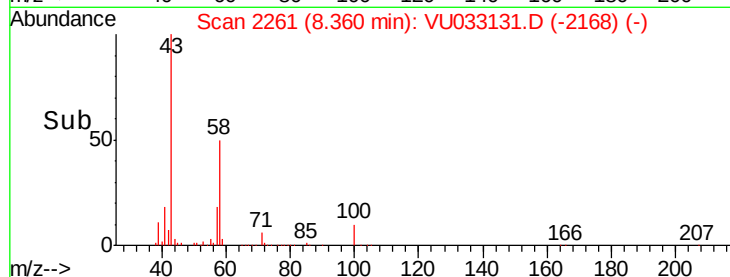
#48
2-Hexanone
Concen: 239.366 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 43 Resp: 903766
Ion Ratio Lower Upper
43 100
58 50.2 39.0 58.6
57 17.6 13.9 20.9
100 10.3 8.6 12.8

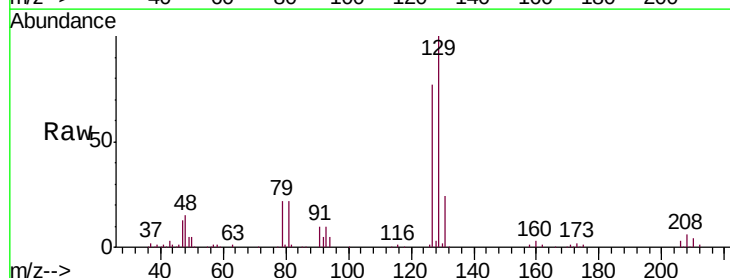


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

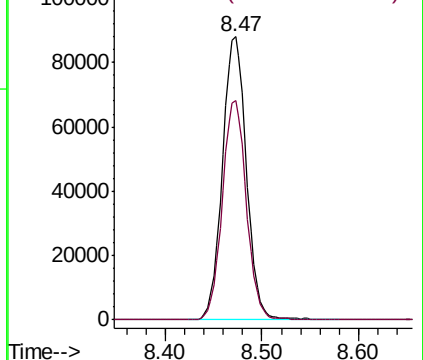
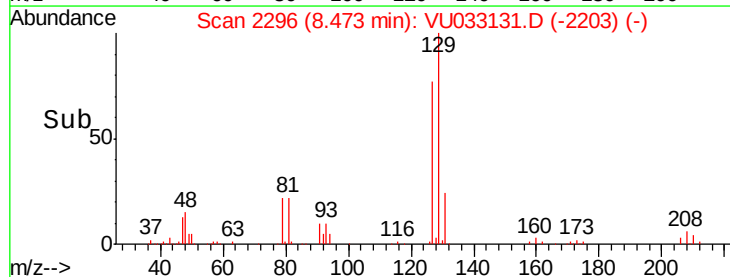


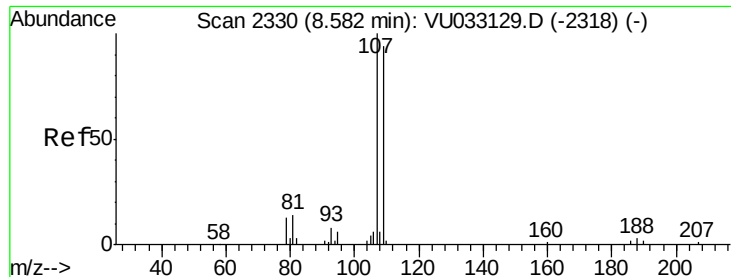
#49
Dibromochloromethane
Concen: 22.431 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU033131.D
Acq: 02 Jul 2019 10:30

Tgt Ion: 129 Resp: 151584
Ion Ratio Lower Upper
129 100
127 77.3 51.6 95.8



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





#50

1,2-Dibromoethane

Concen: 21.904 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

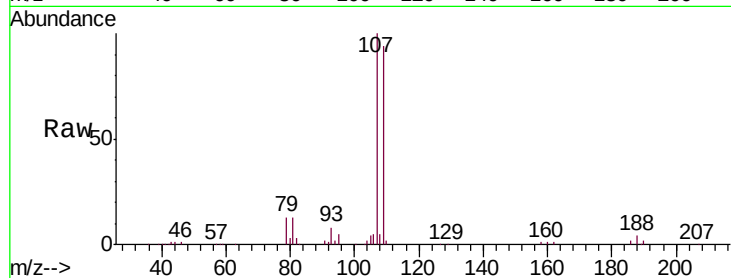
Tgt Ion:107 Resp: 114679

Ion Ratio Lower Upper

107 100

109 94.3 65.5 121.7

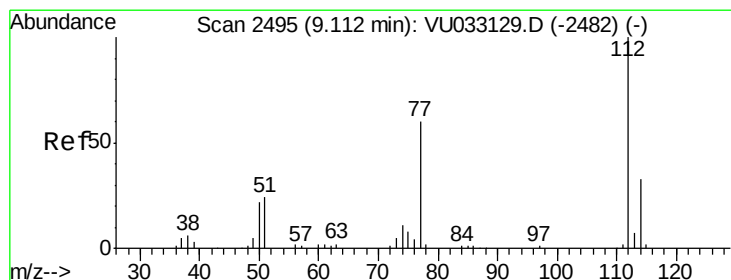
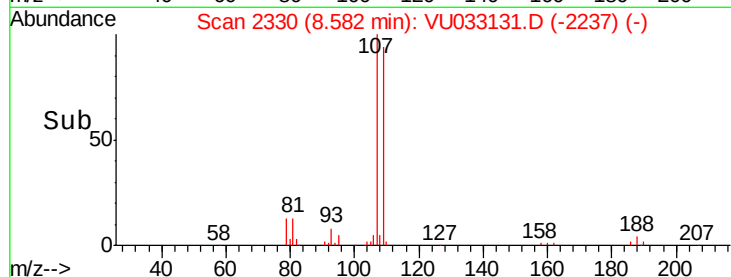
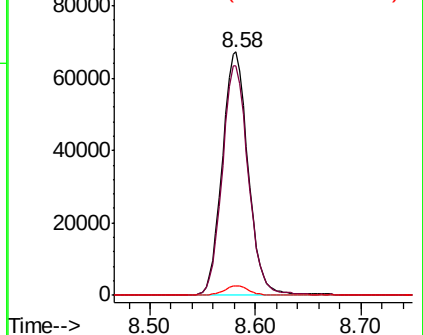
188 3.9 2.5 3.7#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 21.303 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

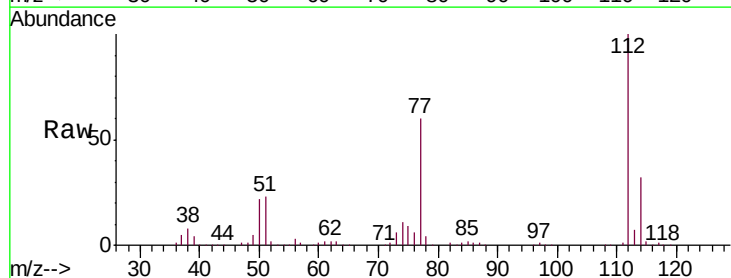
Tgt Ion:112 Resp: 428734

Ion Ratio Lower Upper

112 100

114 31.6 23.0 42.6

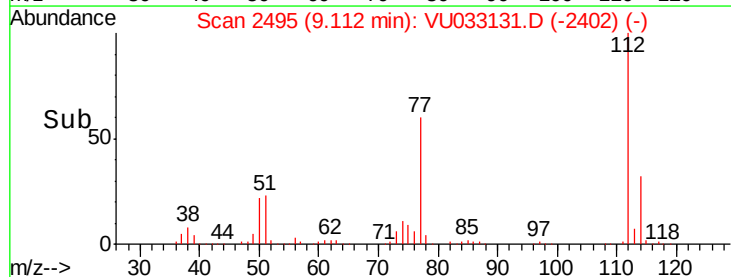
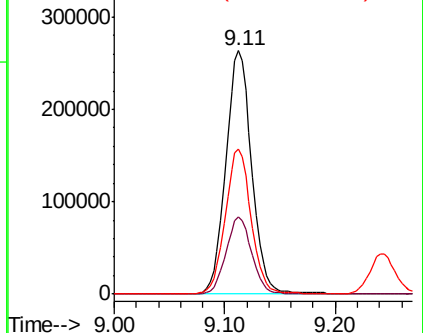
77 59.8 48.3 72.5

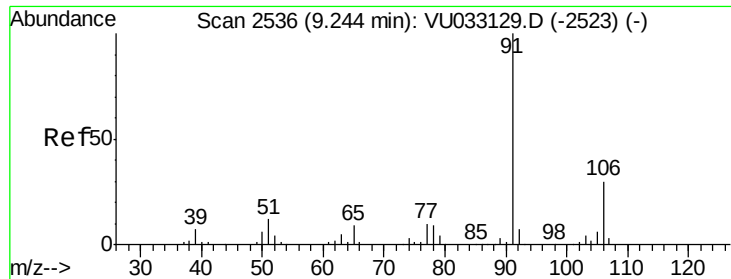


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 22.609 ug/L

RT: 9.24 min Scan# 2535

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

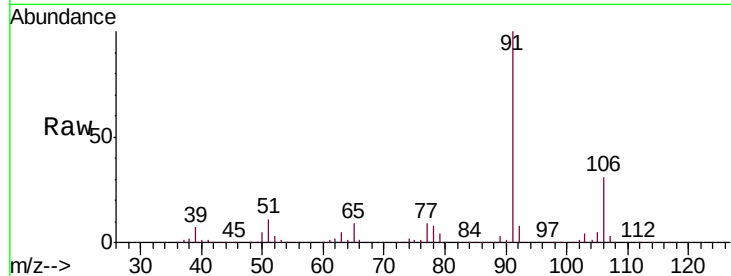
VSTD02006

Tgt Ion: 91 Resp: 756106

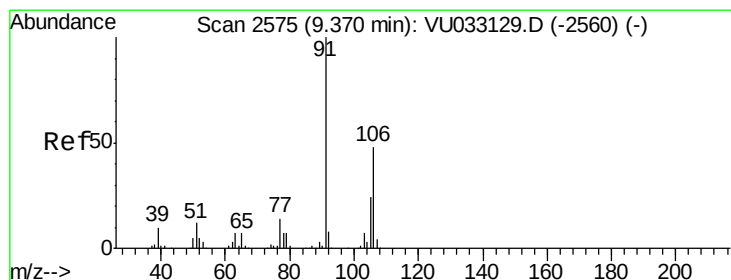
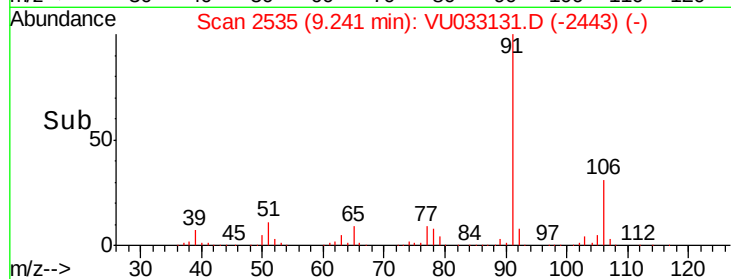
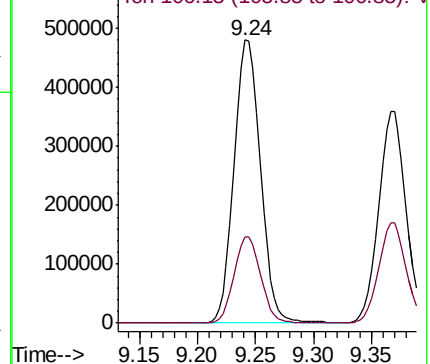
Ion Ratio Lower Upper

91 100

106 30.6 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU033131.D (-2523) (-)



#53

m,p-Xylene

Concen: 23.295 ug/L

RT: 9.37 min Scan# 2574

Delta R.T. -0.00 min

Lab File: VU033131.D

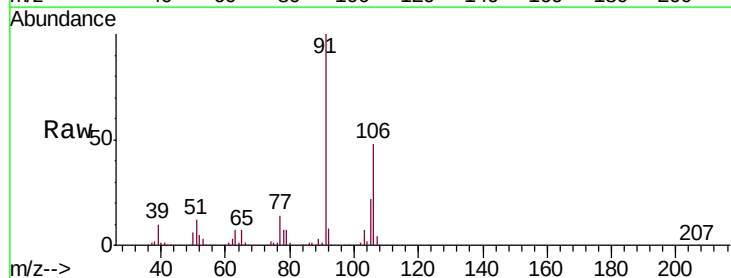
Acq: 02 Jul 2019 10:30

Tgt Ion: 106 Resp: 282805

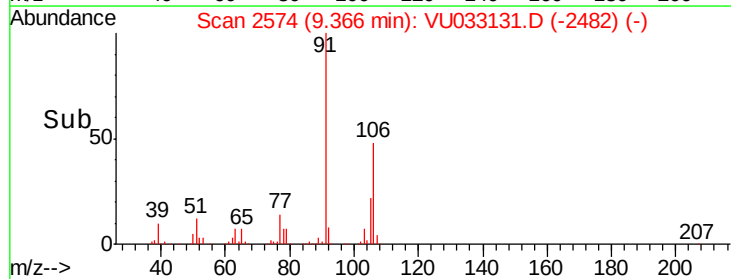
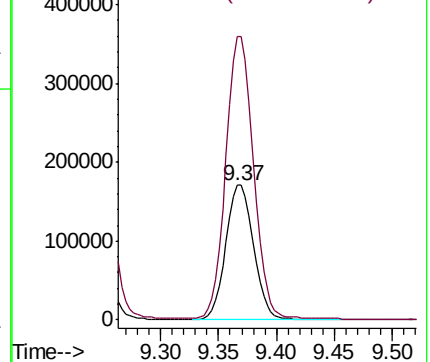
Ion Ratio Lower Upper

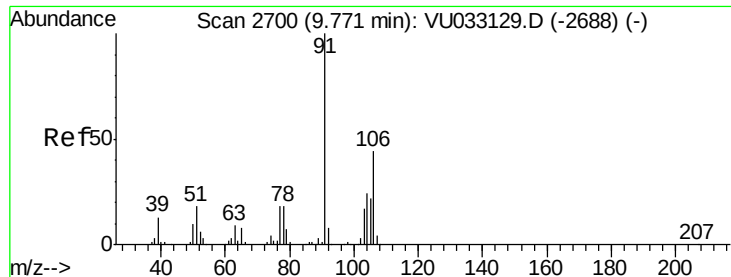
106 100

91 209.8 145.6 270.4



Abundance Ion 106.15 (105.85 to 106.85): VU033131.D (-2560) (-)





#54

o-Xylene

Concen: 23.517 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

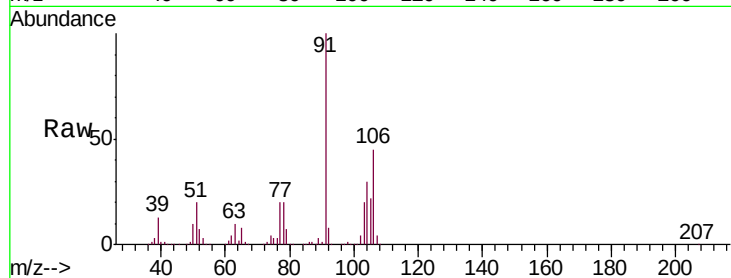
VSTD02006

Tgt Ion:106 Resp: 277611

Ion Ratio Lower Upper

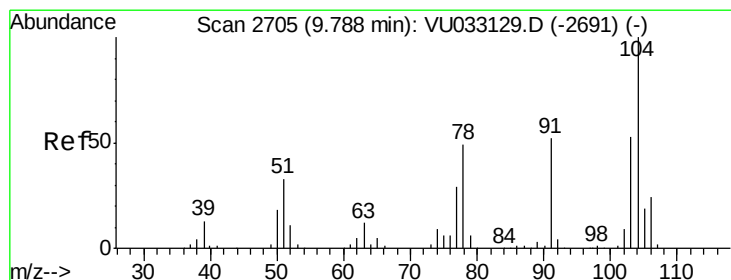
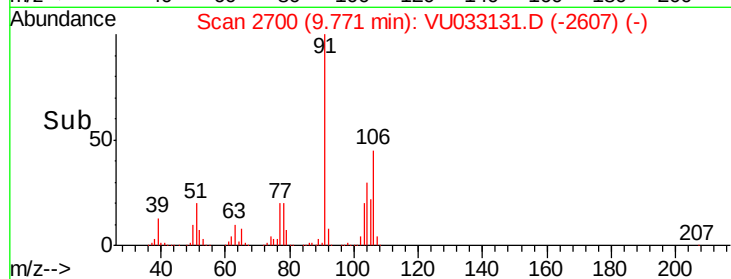
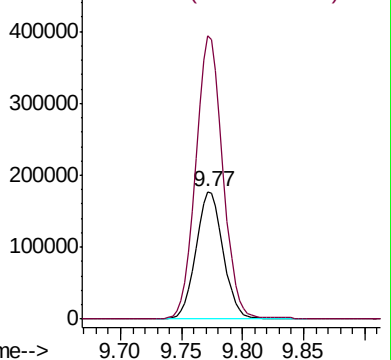
106 100

91 221.5 159.2 295.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 24.291 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VU033131.D

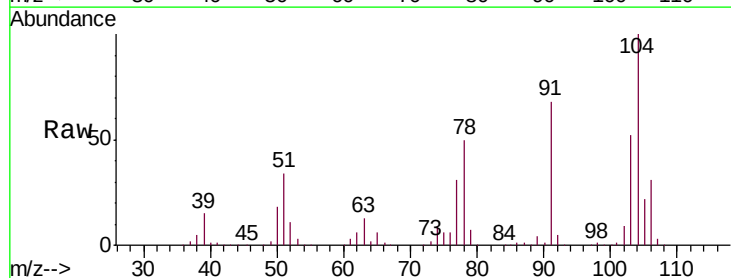
Acq: 02 Jul 2019 10:30

Tgt Ion:104 Resp: 485105

Ion Ratio Lower Upper

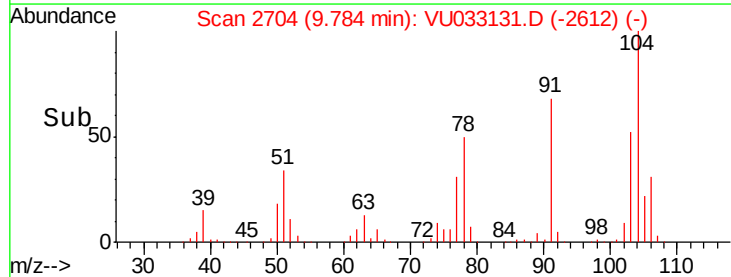
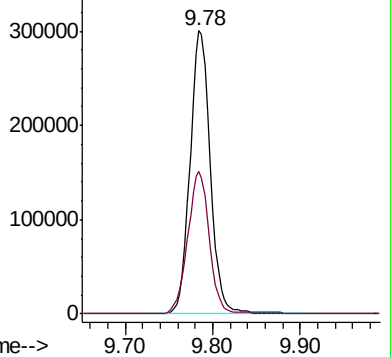
104 100

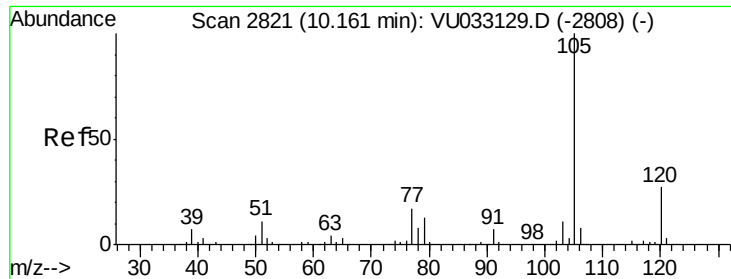
78 50.2 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 23.647 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

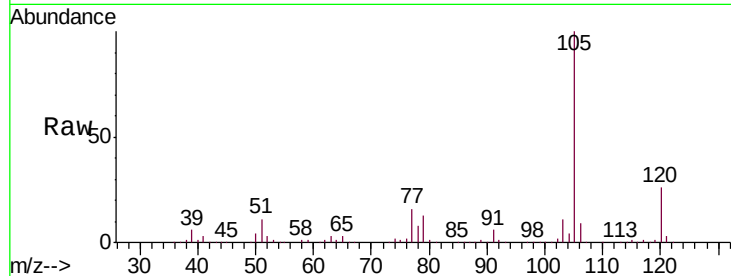
Tgt Ion: 105 Resp: 761996

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

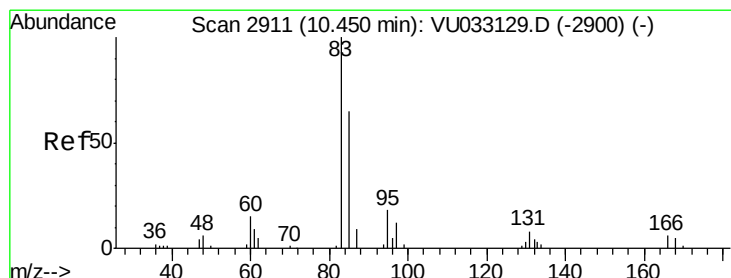
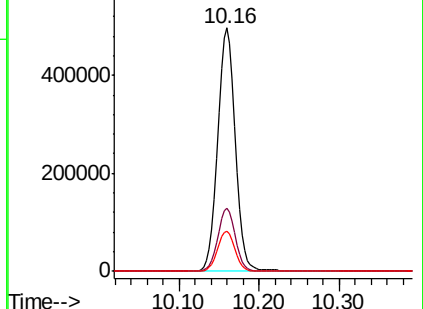
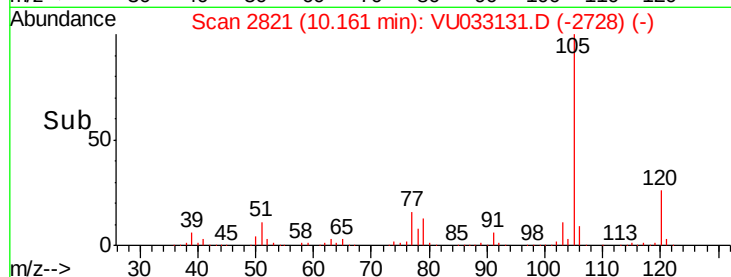
77 16.6 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.452 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

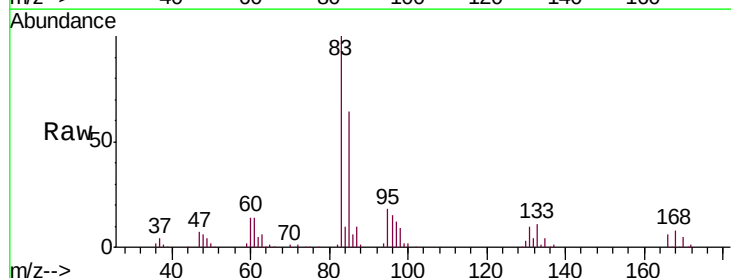
Tgt Ion: 83 Resp: 154938

Ion Ratio Lower Upper

83 100

85 63.9 46.2 85.8

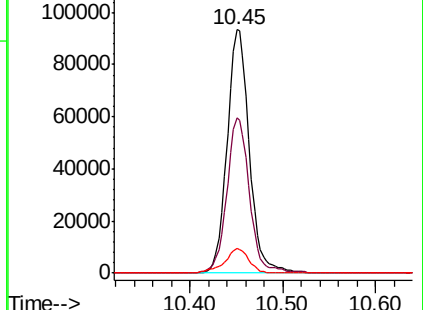
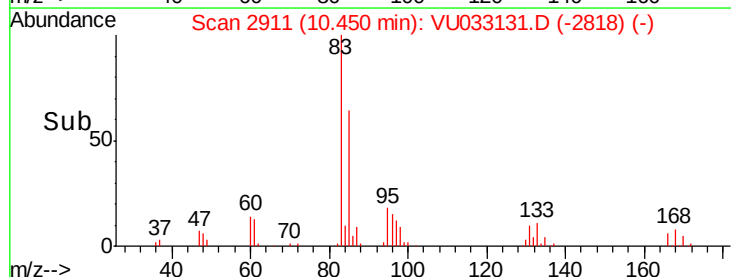
131 10.1 7.3 10.9

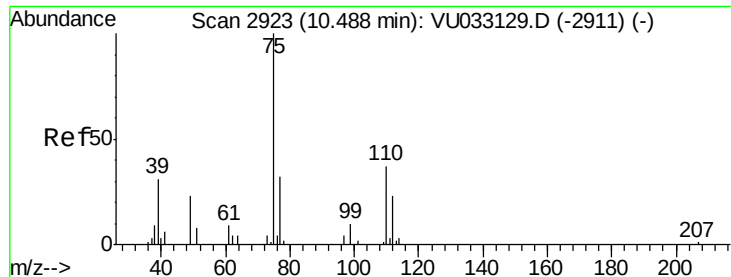


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 22.431 ug/L

RT: 10.49 min Scan# 2922

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

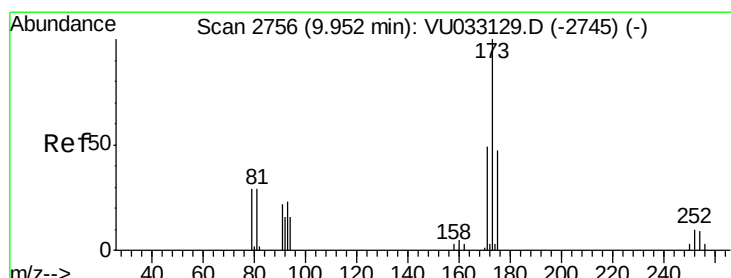
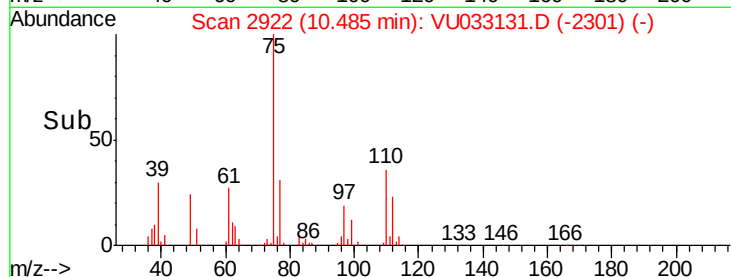
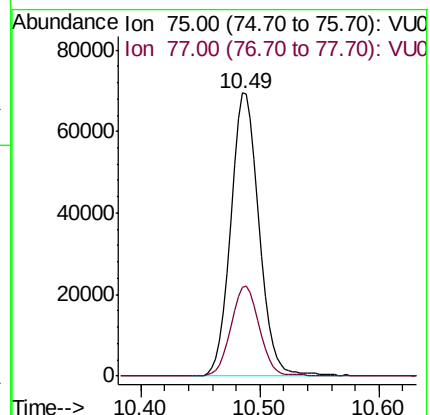
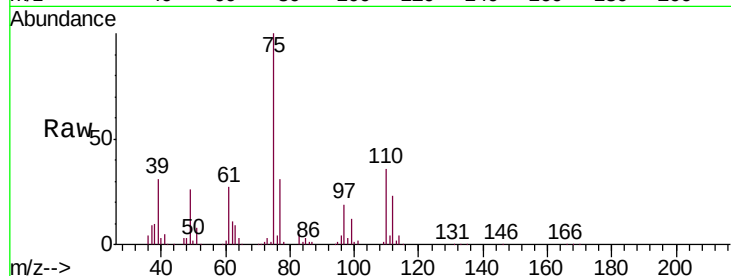
VSTD02006

Tgt Ion: 75 Resp: 114473

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



#61

Bromoform

Concen: 22.317 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

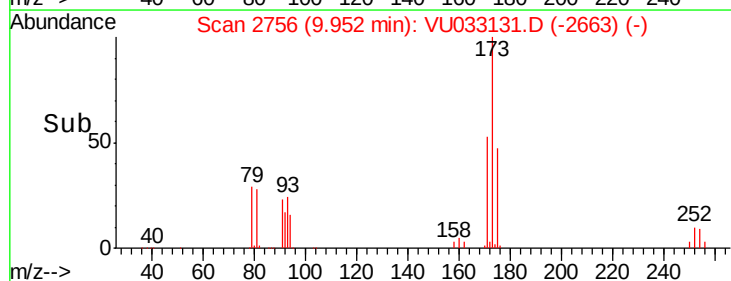
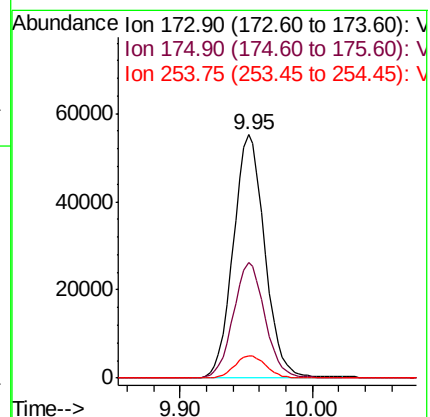
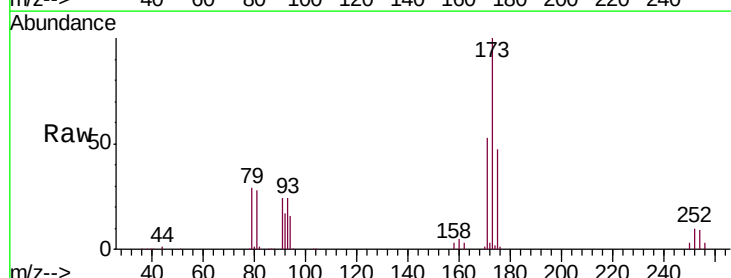
Tgt Ion: 173 Resp: 90978

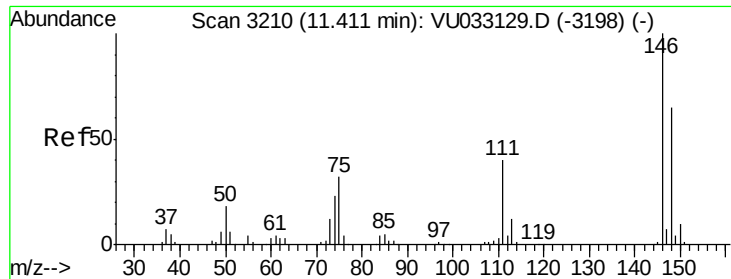
Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.2

254 9.3 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 21.570 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

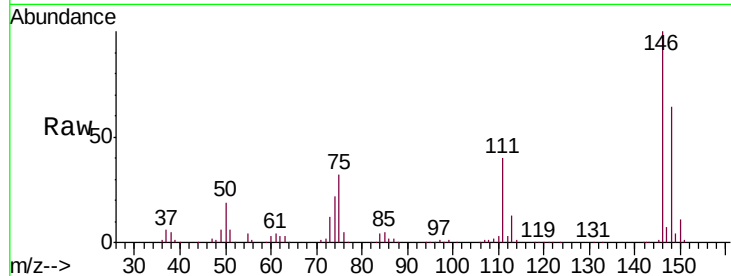
Tgt Ion:146 Resp: 363411

Ion Ratio Lower Upper

146 100

111 40.4 28.2 52.4

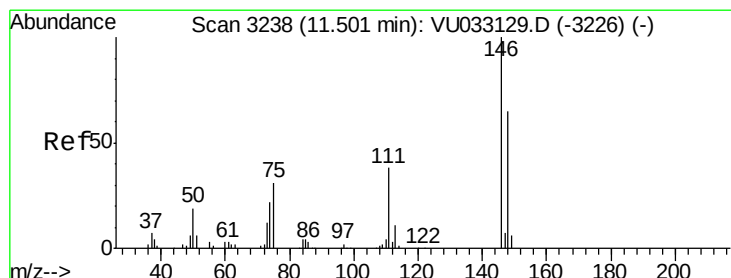
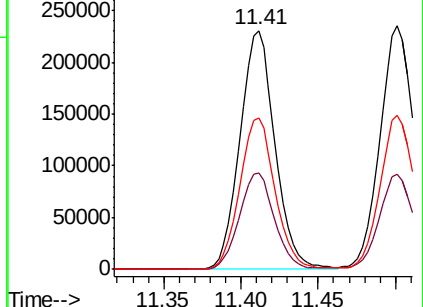
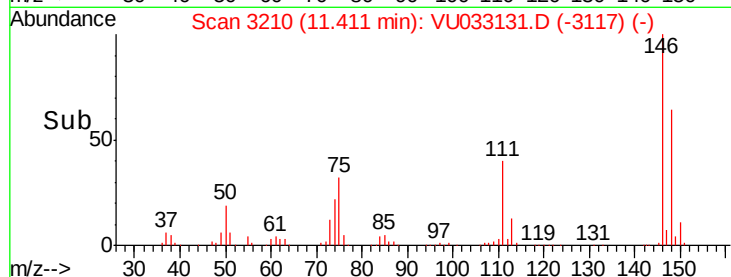
148 63.5 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 21.088 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

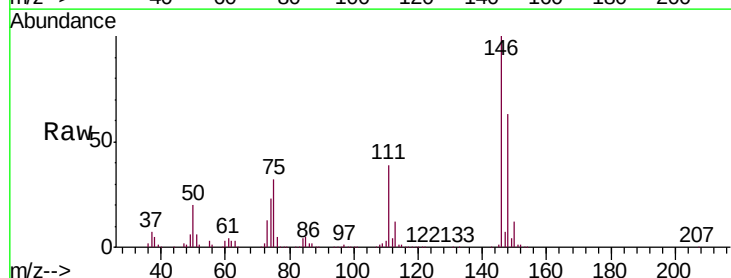
Tgt Ion:146 Resp: 371135

Ion Ratio Lower Upper

146 100

111 38.9 27.0 50.2

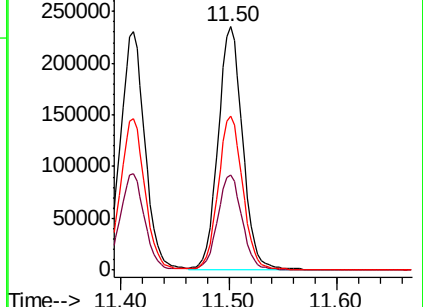
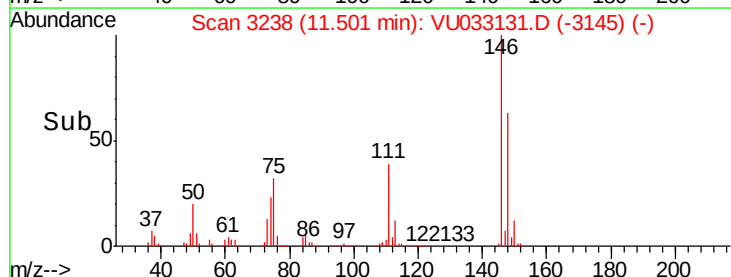
148 63.4 45.1 83.7

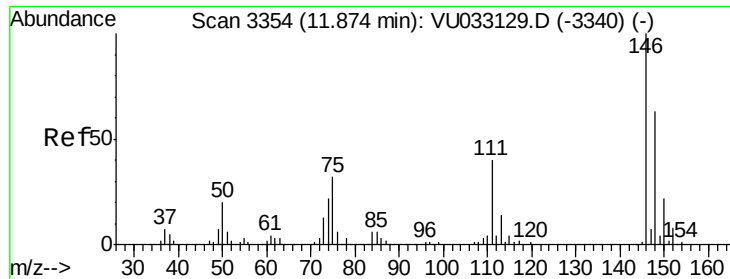


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.528 ug/L

RT: 11.87 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

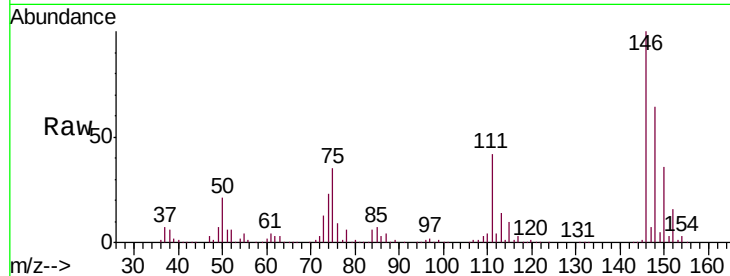
Tgt Ion:146 Resp: 352526

Ion Ratio Lower Upper

146 100

111 42.5 31.8 47.8

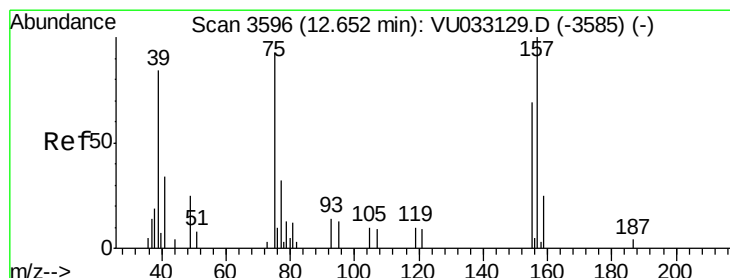
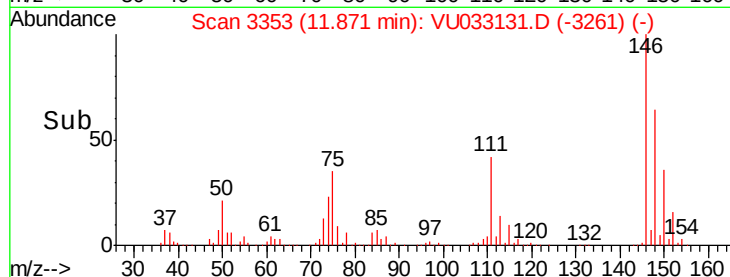
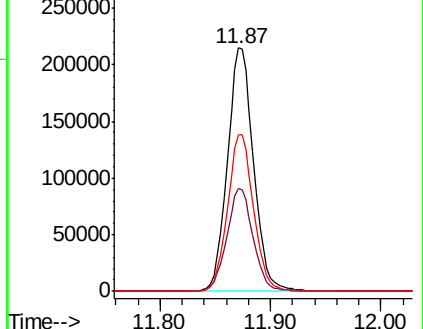
148 64.5 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.332 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

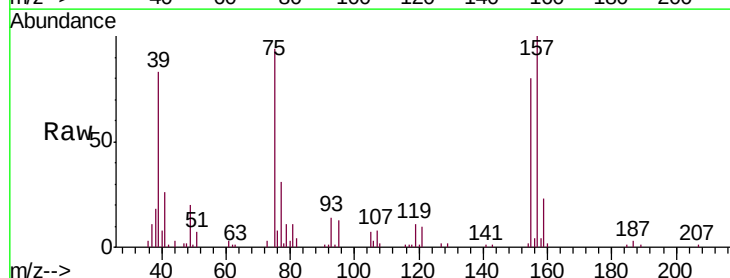
Tgt Ion: 75 Resp: 27961

Ion Ratio Lower Upper

75 100

155 84.5 59.5 89.3

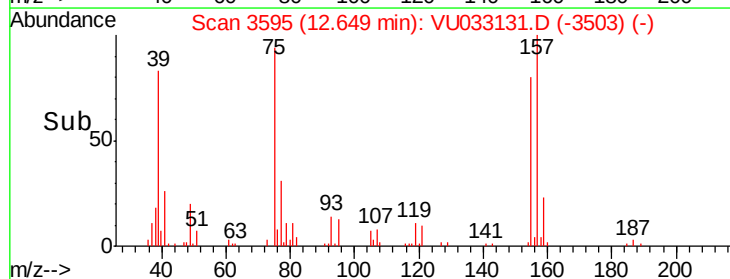
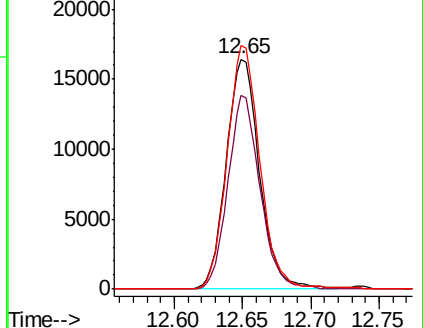
157 106.0 86.2 129.4

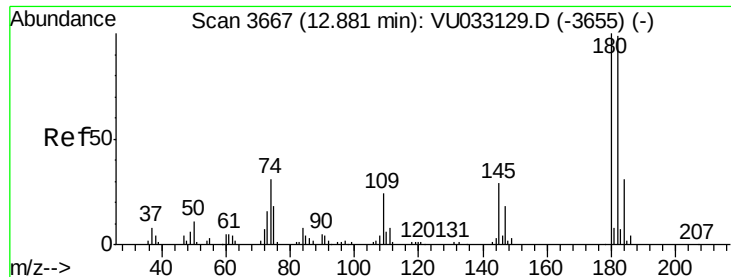


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

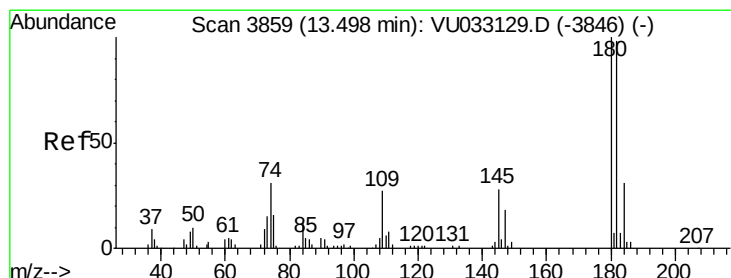
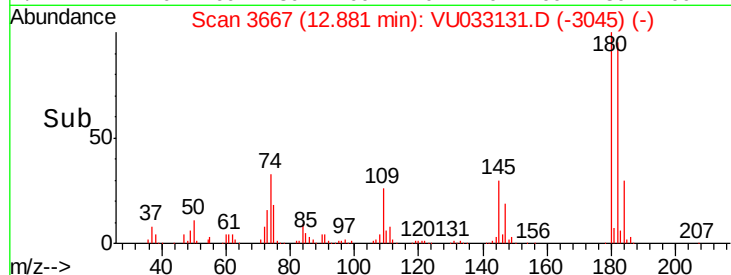
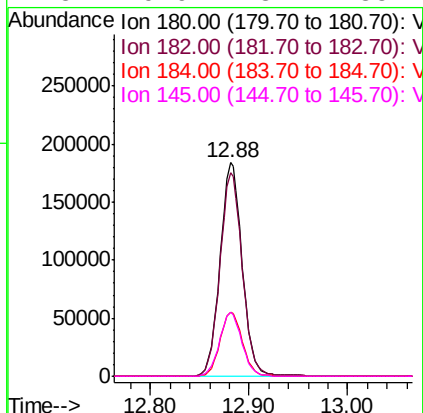
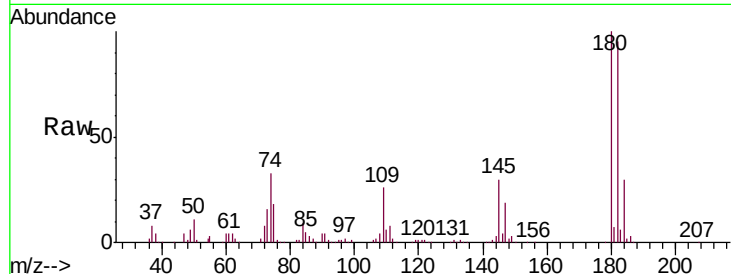




#67
 1,3,5-Trichlorobenzene
 Concen: 21.796 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

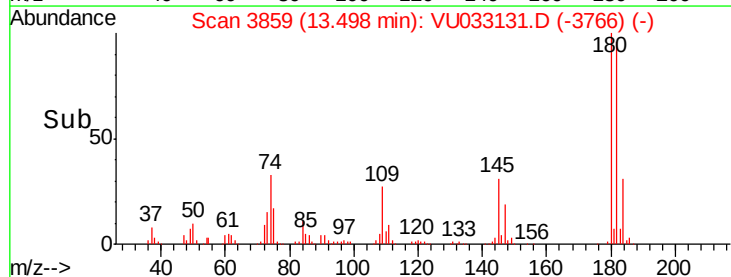
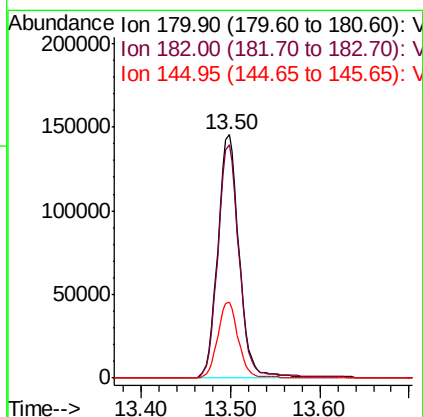
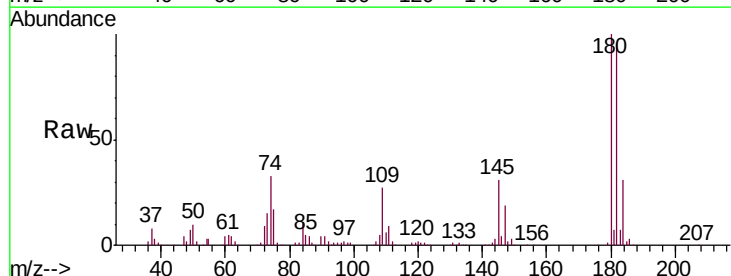
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

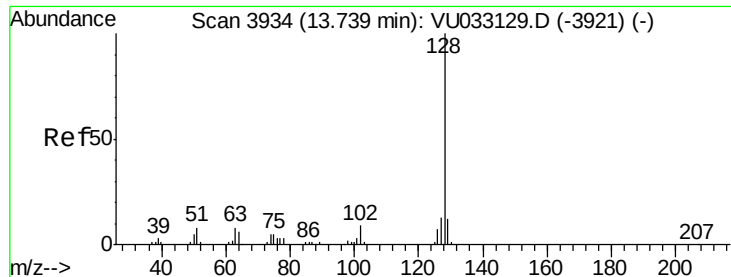
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
184	30.5	24.2	36.2
145	29.9	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.717 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033131.D
 Acq: 02 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
145	29.6	23.1	34.7





#69

Naphthalene

Concen: 28.887 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

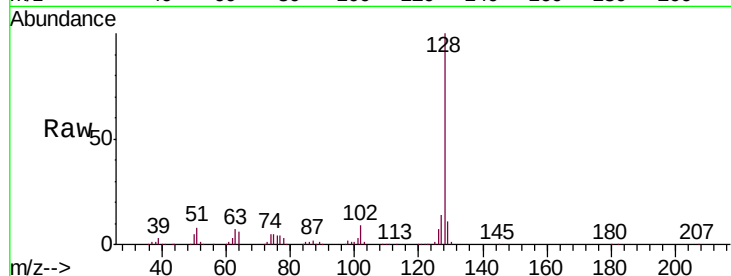
Tgt Ion:128 Resp: 401491

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

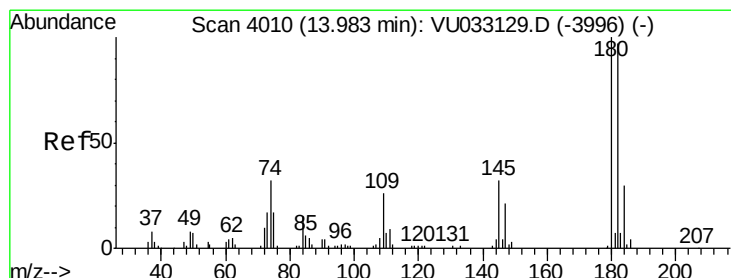
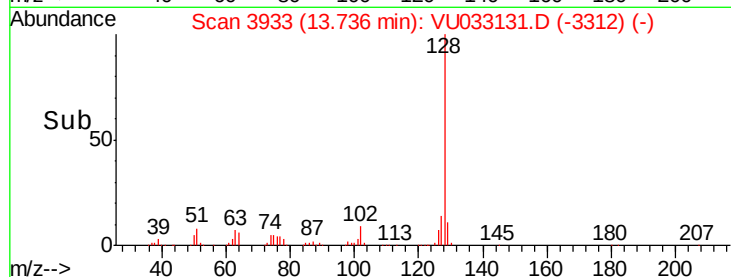
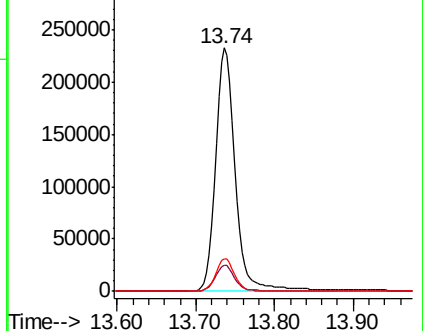
127 13.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.880 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU033131.D

Acq: 02 Jul 2019 10:30

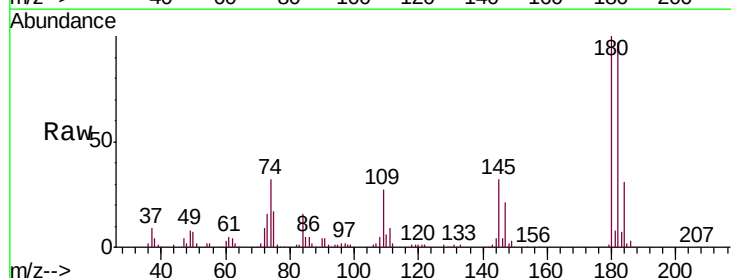
Tgt Ion:180 Resp: 229380

Ion Ratio Lower Upper

180 100

182 95.6 79.9 119.9

145 31.1 25.4 38.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

