

Data File : VU031814.D
Acq On : 08 May 2019 10:31
Operator : JC/SP
Sample : VSTD00106
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Quant Time: May 09 01:25:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 09 01:21:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	317164	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	320920	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	131099	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	22505	0.92	ug/L	0.00
7) Chloroethane-d5	1.67	69	17905	0.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	49564	1.05	ug/L	0.00
20) 2-Butanone-d5	4.20	46	79306	11.22	ug/L	0.02
24) Chloroform-d	4.65	84	46843	1.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	27818	1.24	ug/L	0.00
32) Benzene-d6	5.33	84	80456	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29646	1.03	ug/L	0.00
41) Toluene-d8	7.56	98	67318	0.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	10465	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	43540	7.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	21953	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	21836	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	37224	1.291 ug/L	100
3) Chloromethane	1.32	50	43867	1.255 ug/L	96
5) Vinyl chloride	1.40	62	38479	1.146 ug/L	97
6) Bromomethane	1.62	94	16999	1.004 ug/L	99
8) Chloroethane	1.69	64	22145	1.170 ug/L	99
9) Trichlorofluoromethane	1.88	101	44550	1.142 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	22773	1.035 ug/L	98
12) 1,1-Dichloroethene	2.28	96	21763	0.995 ug/L	90
13) Acetone	2.33	43	59462	11.992 ug/L	97
14) Carbon disulfide	2.47	76	74794	1.026 ug/L	98
15) Methyl Acetate	2.62	43	15697	1.164 ug/L	94
16) Methylene chloride	2.70	84	42554	1.685 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	63495	1.025 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	23146	1.012 ug/L	95
19) 1,1-Dichloroethane	3.43	63	57665	1.234 ug/L	99
21) 2-Butanone	4.29	43	93961	12.194 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	26759	1.087 ug/L	86
23) Bromochloromethane	4.55	128	11646	1.117 ug/L	92
25) Chloroform	4.67	83	56295	1.294 ug/L	96
27) 1,2-Dichloroethane	5.40	62	37284	1.295 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	43832	1.147 ug/L	96
30) Cyclohexane	4.98	56	43344	0.962 ug/L	99
31) Carbon tetrachloride	5.13	117	35814	1.098 ug/L	96
33) Benzene	5.39	78	104893	1.023 ug/L	100
34) Trichloroethene	6.18	95	27075	1.017 ug/L	92
35) Methylcyclohexane	6.41	83	34689	0.884 ug/L	94
37) 1,2-Dichloropropane	6.43	63	32810	1.173 ug/L	# 97
38) Bromodichloromethane	6.76	83	38593	1.187 ug/L	# 97
39) cis-1,3-Dichloropropene	7.27	75	36472	0.969 ug/L	93
40) 4-Methyl-2-pentanone	7.46	43	191375	10.079 ug/L	95

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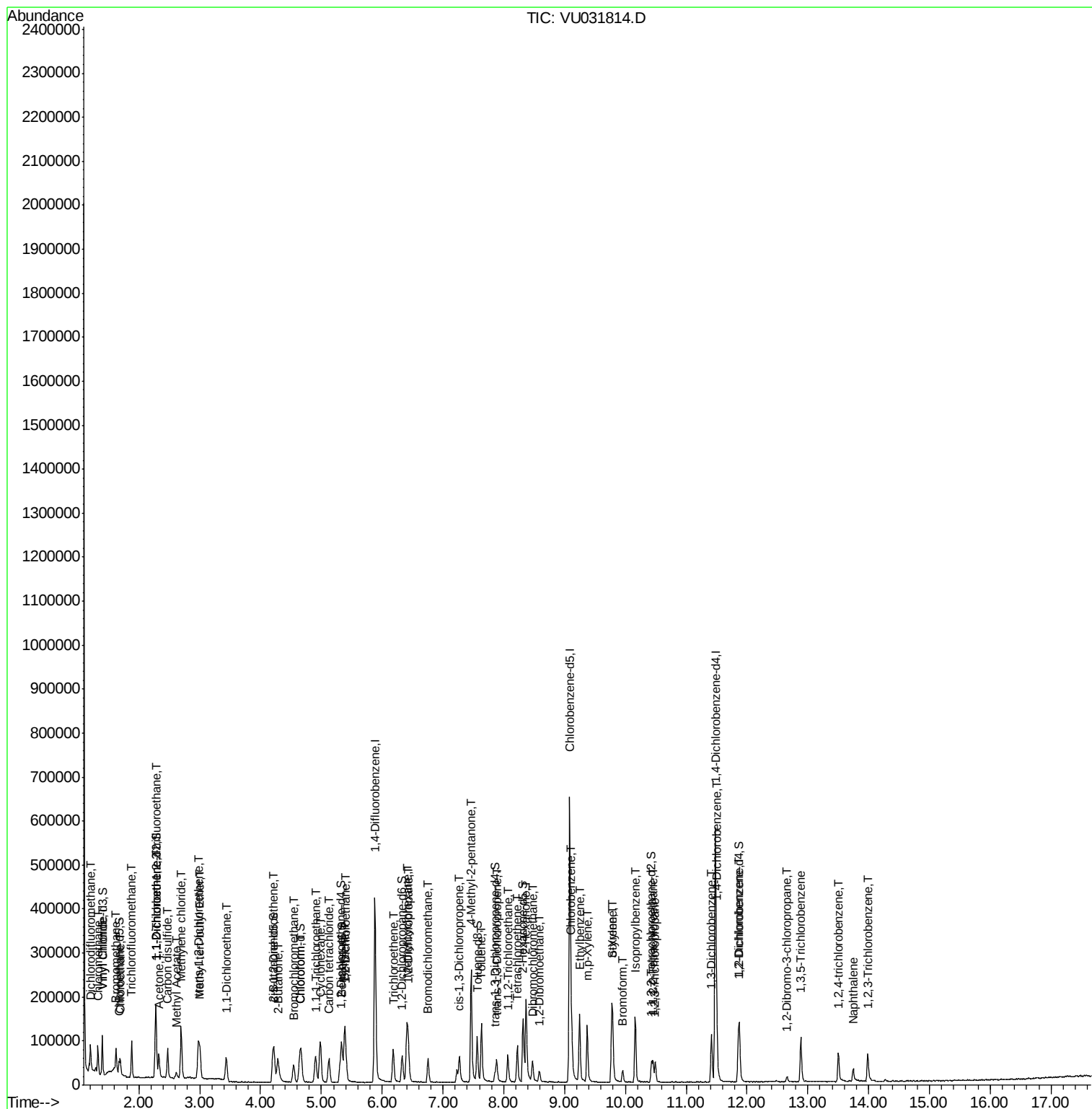
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	100041	0.968	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	28195	0.961	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	19349	1.071	ug/L	94
47) Tetrachloroethene	8.22	164	17159	0.947	ug/L	96
48) 2-Hexanone	8.37	43	134581	10.062	ug/L	95
49) Dibromochloromethane	8.48	129	22056	1.073	ug/L	92
50) 1,2-Dibromoethane	8.59	107	16010	0.927	ug/L #	91
51) Chlorobenzene	9.12	112	61166	0.996	ug/L	98
52) Ethylbenzene	9.25	91	99789	0.921	ug/L	98
53) m,p-Xylene	9.37	106	34365	0.886	ug/L	97
54) o-Xylene	9.78	106	32301	0.853	ug/L	97
55) Styrene	9.79	104	52635	0.834	ug/L	97
56) Isopropylbenzene	10.16	105	84907	0.848	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	24403	1.045	ug/L #	89
59) 1,2,3-Trichloropropane	10.49	75	18937	1.107	ug/L	99
61) Bromoform	9.96	173	11179	1.099	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	42467	1.090	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	41462	1.021	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	39971	1.032	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	3926	1.203	ug/L	88
67) 1,3,5-Trichlorobenzene	12.89	180	30090	1.011	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	20181	0.869	ug/L	99
69) Naphthalene	13.75	128	25356	0.579	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	20352	0.895	ug/L	98

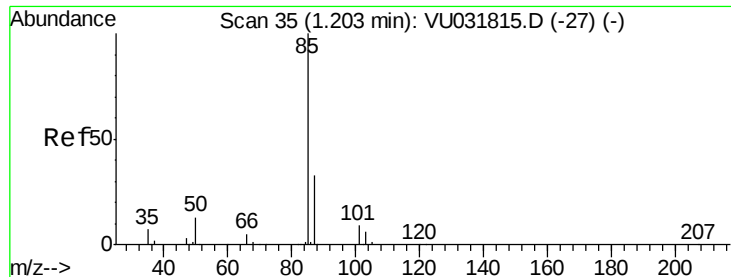
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.291 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

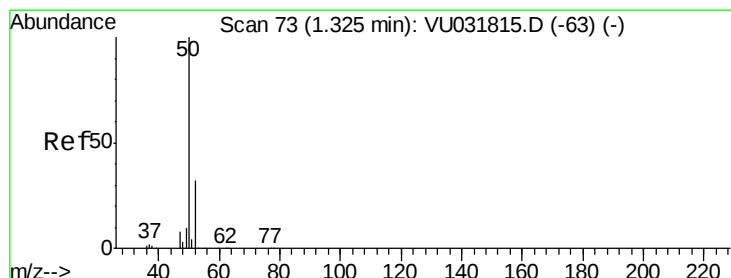
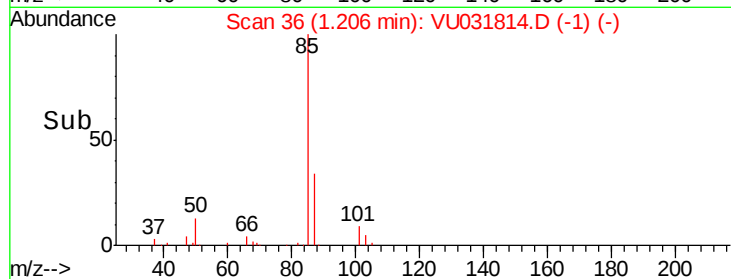
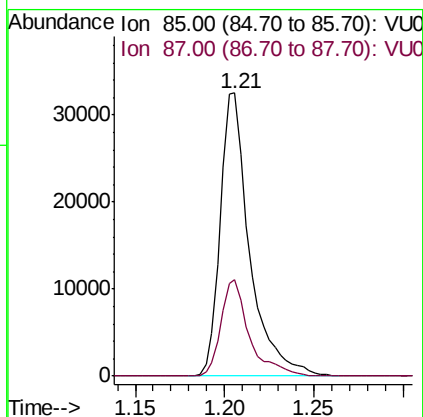
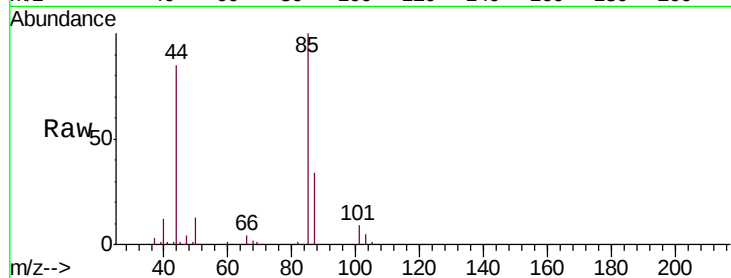
VSTD00106

Tgt Ion: 85 Resp: 37224

Ion Ratio Lower Upper

85 100

87 32.9 26.2 39.4



#3

Chloromethane

Concen: 1.255 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031814.D

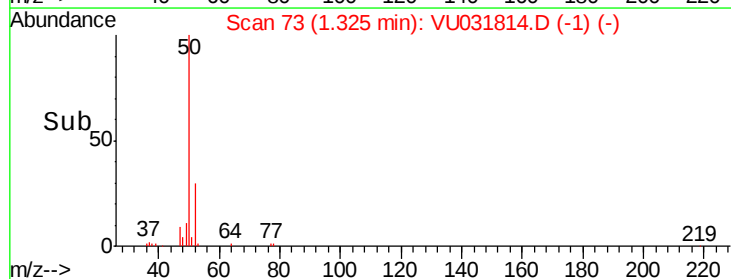
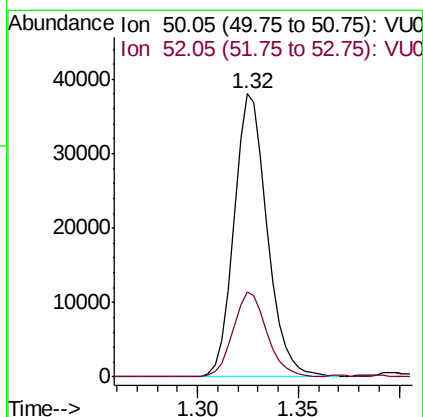
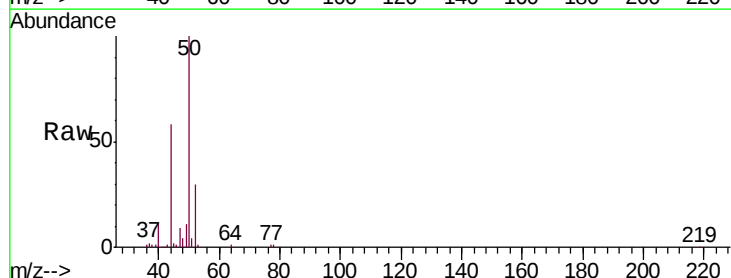
Acq: 08 May 2019 10:31

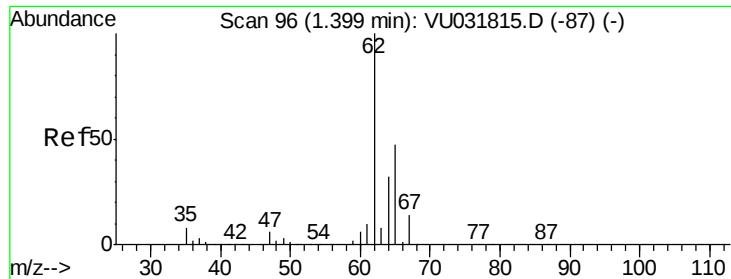
Tgt Ion: 50 Resp: 43867

Ion Ratio Lower Upper

50 100

52 30.0 22.5 41.7





#5

Vinyl chloride

Concen: 1.146 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

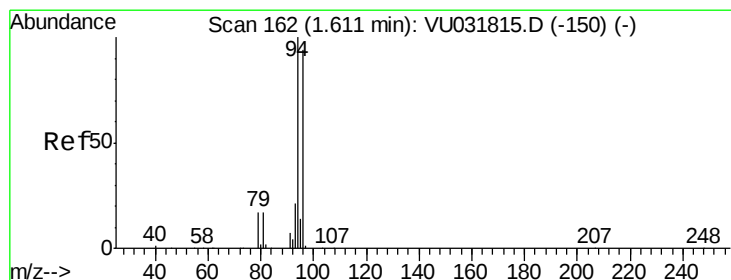
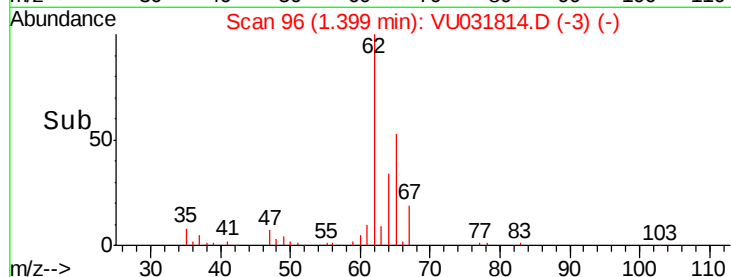
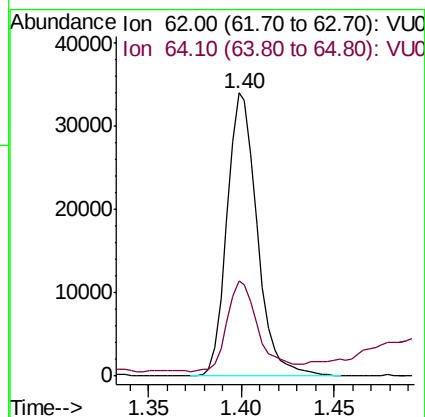
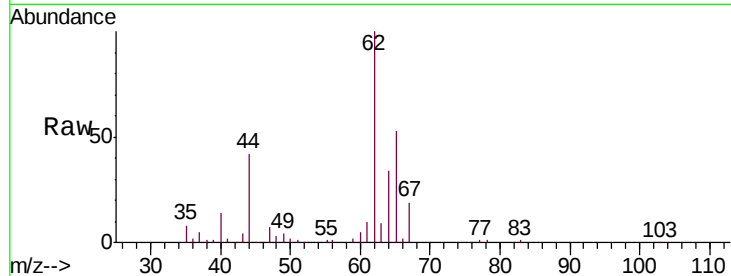
VSTD00106

Tgt Ion: 62 Resp: 38479

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.9



#6

Bromomethane

Concen: 1.004 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU031814.D

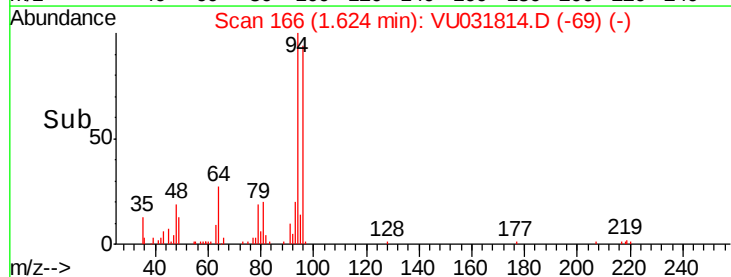
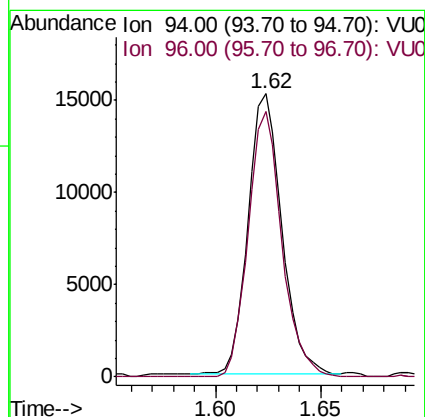
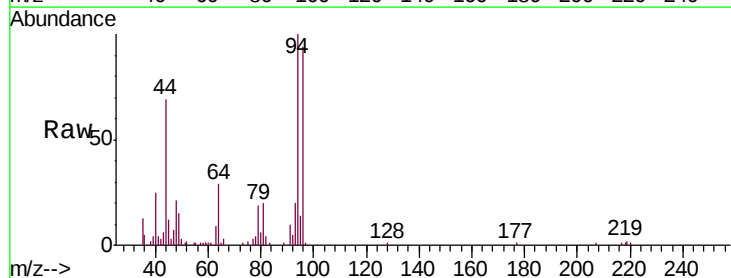
Acq: 08 May 2019 10:31

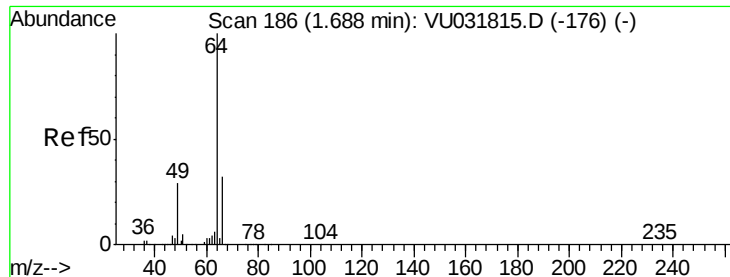
Tgt Ion: 94 Resp: 16999

Ion Ratio Lower Upper

94 100

96 93.9 66.1 122.8





#8

Chloroethane

Concen: 1.170 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

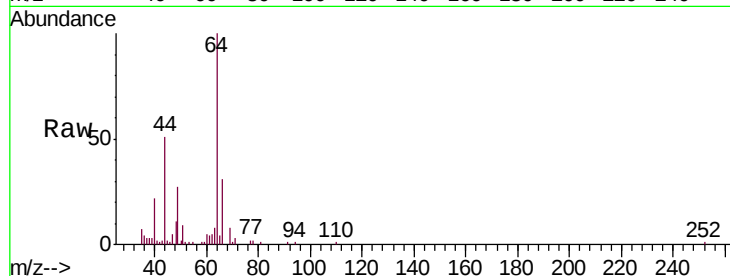
VSTD00106

Tgt Ion: 64 Resp: 22145

Ion Ratio Lower Upper

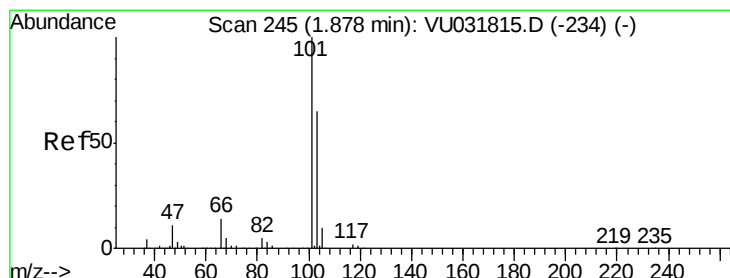
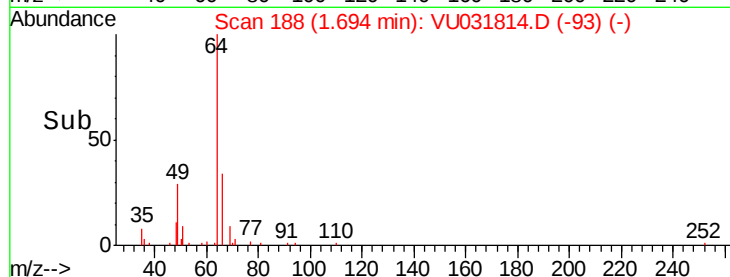
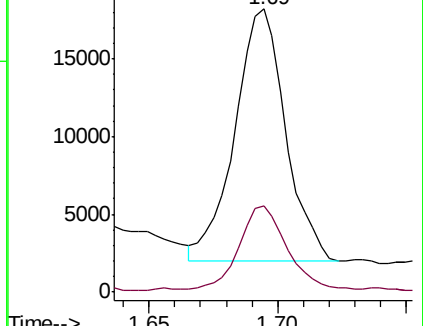
64 100

66 30.7 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031814.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU031814.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 1.142 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031814.D

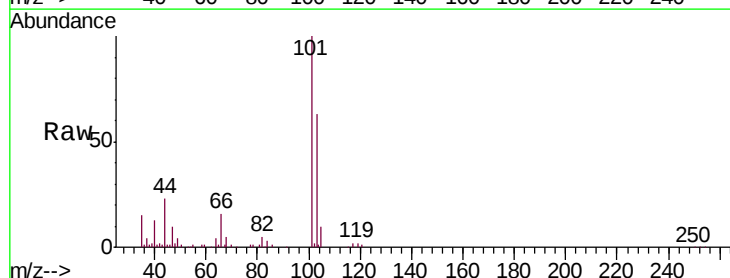
Acq: 08 May 2019 10:31

Tgt Ion: 101 Resp: 44550

Ion Ratio Lower Upper

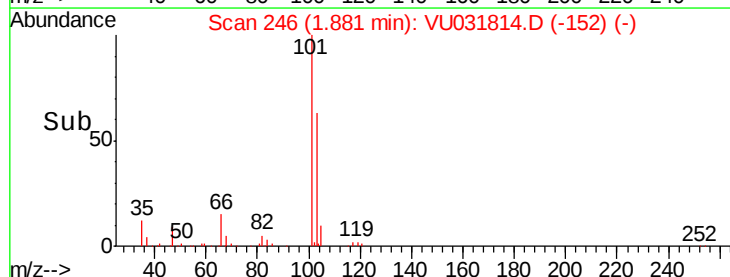
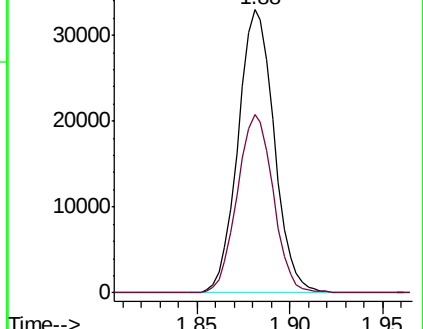
101 100

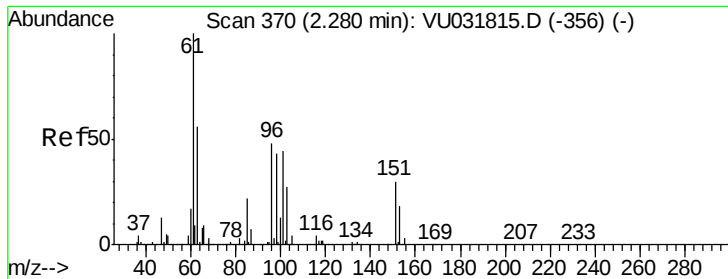
103 62.8 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU031815.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031815.D (-234) (-)





#10

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

Concen: 1.035 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

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ClientSampleId :

VSTD00106

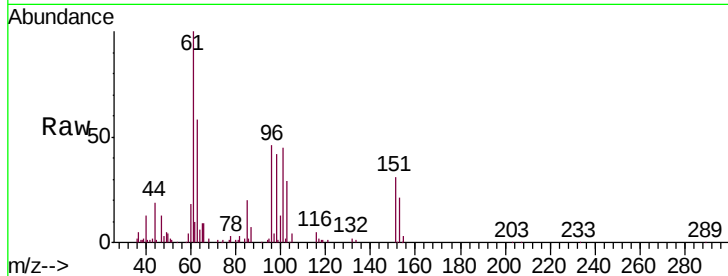
Tgt Ion: 101 Resp: 22773

Ion Ratio Lower Upper

101 100

85 48.6 40.0 60.0

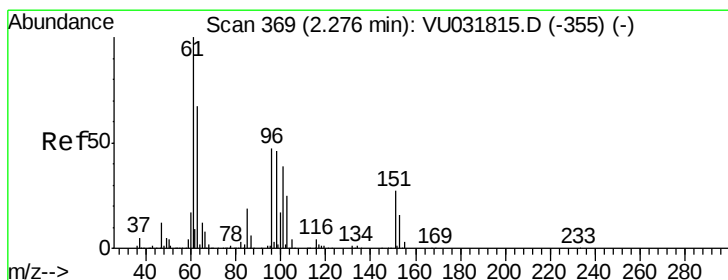
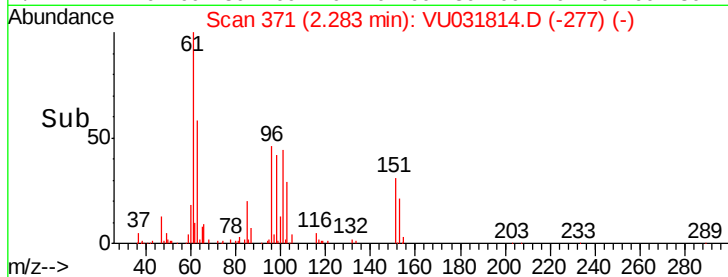
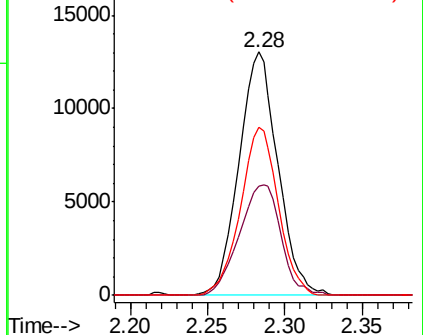
151 67.2 54.6 82.0



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: 0.995 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

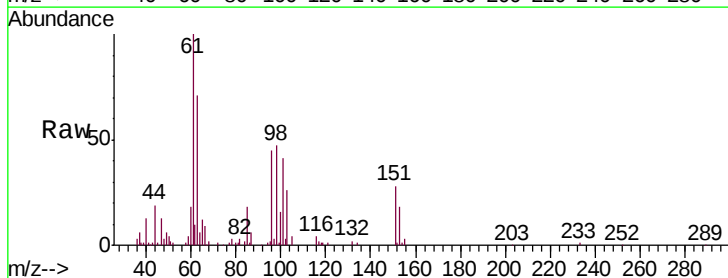
Tgt Ion: 96 Resp: 21763

Ion Ratio Lower Upper

96 100

61 224.4 149.0 276.6

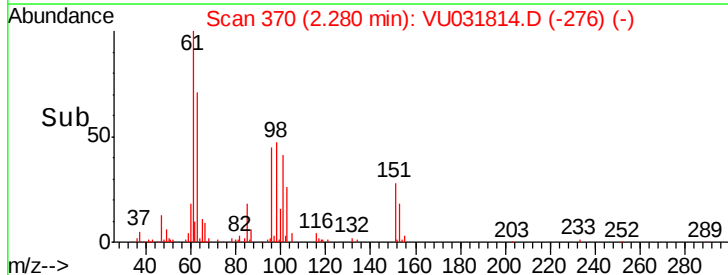
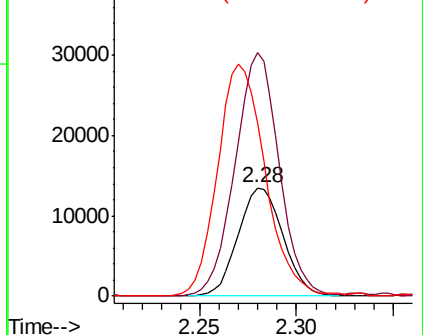
63 159.2 99.8 185.4

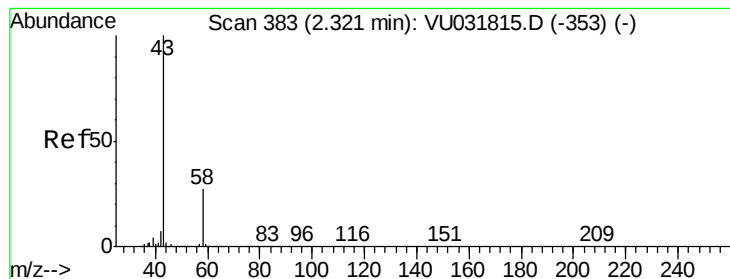


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.992 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.01 min

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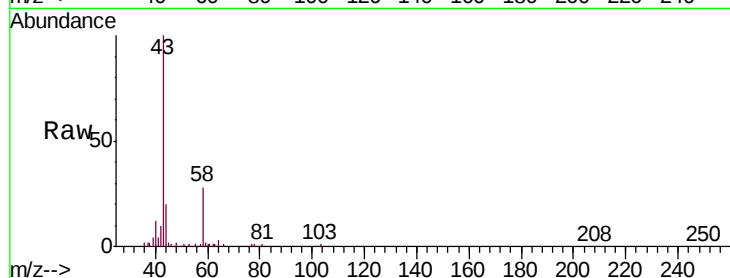
VSTD00106

Tgt Ion: 43 Resp: 59462

Ion Ratio Lower Upper

43 100

58 28.3 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031814.D (-383) (-)

Ion 58.05 (57.75 to 58.75): VU031814.D (-383) (-)

2.33

40000

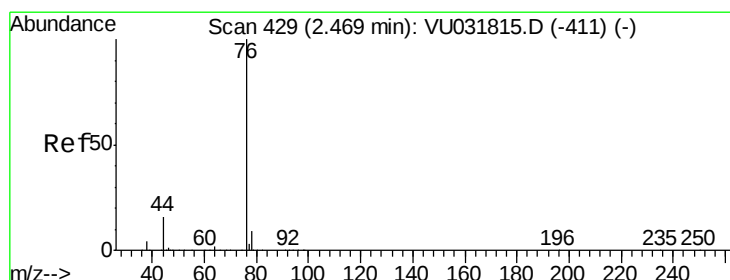
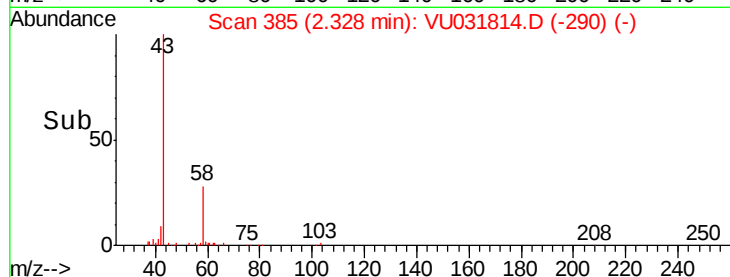
30000

20000

10000

0

Time--> 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 1.026 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031814.D

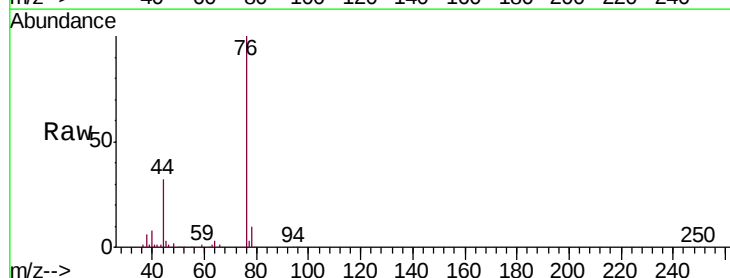
Acq: 08 May 2019 10:31

Tgt Ion: 76 Resp: 74794

Ion Ratio Lower Upper

76 100

78 10.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU031814.D (-429) (-)

Ion 78.00 (77.70 to 78.70): VU031814.D (-429) (-)

2.47

50000

40000

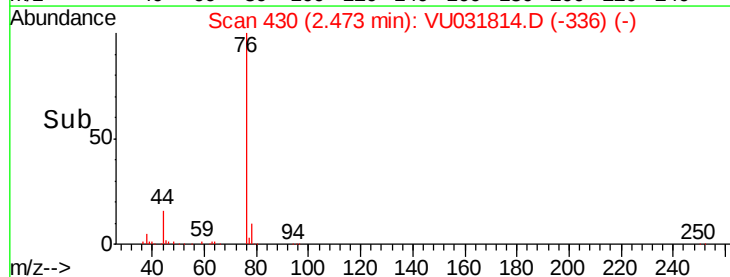
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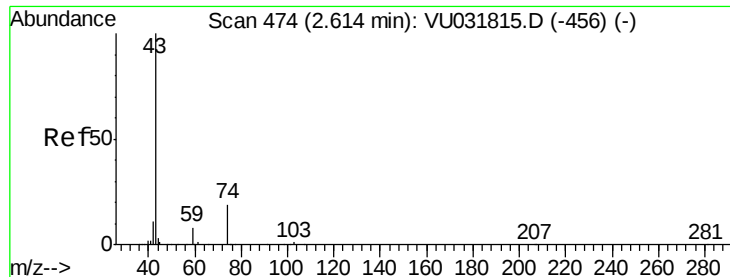
20000

10000

0

Time--> 2.40 2.45 2.50 2.55

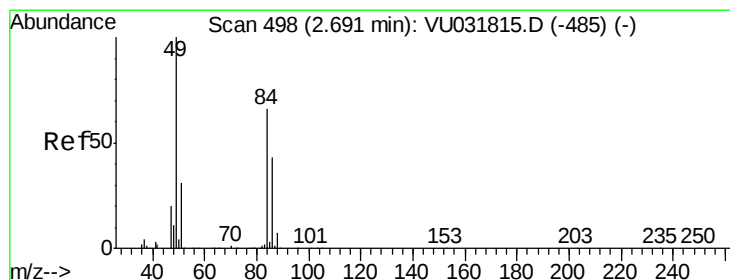
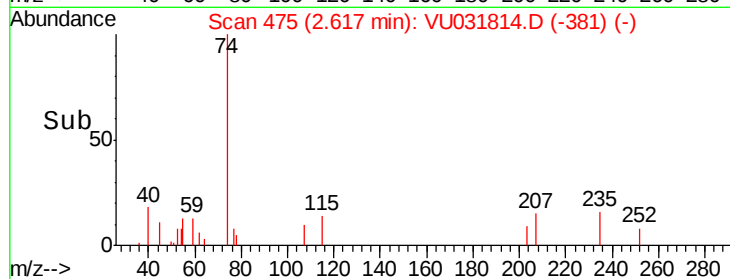
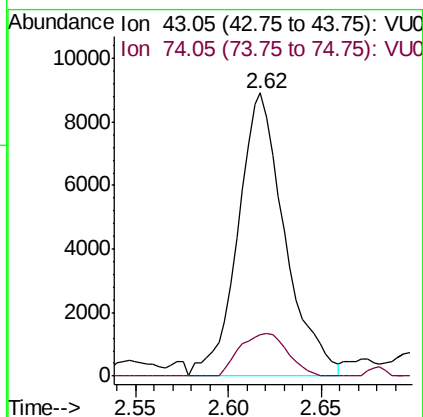
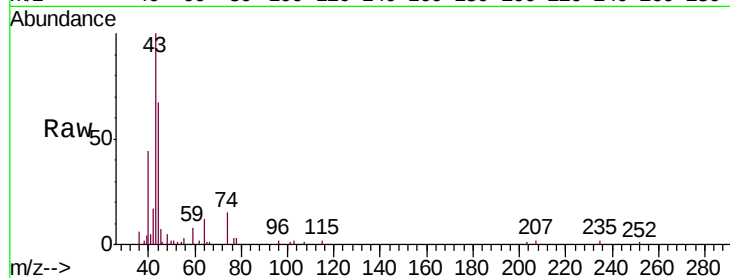




#15
Methyl Acetate
Concen: 1.164 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

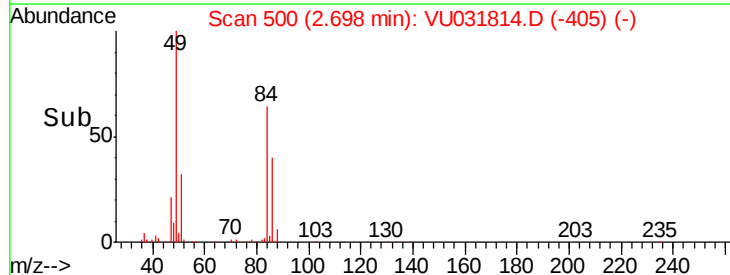
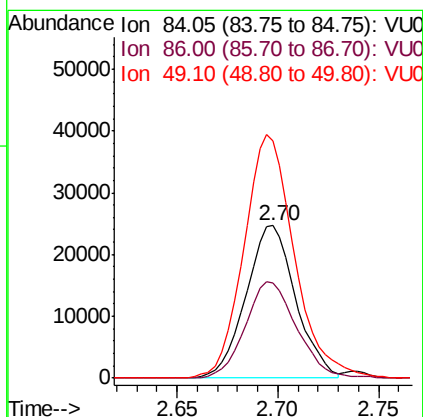
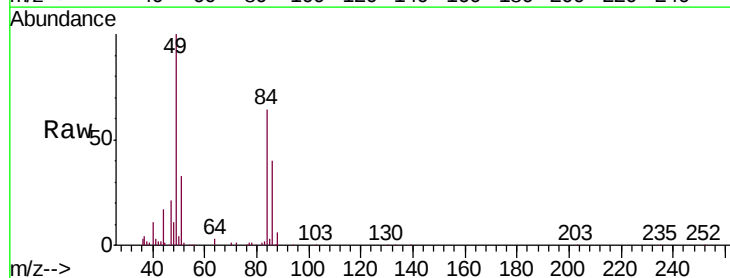
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

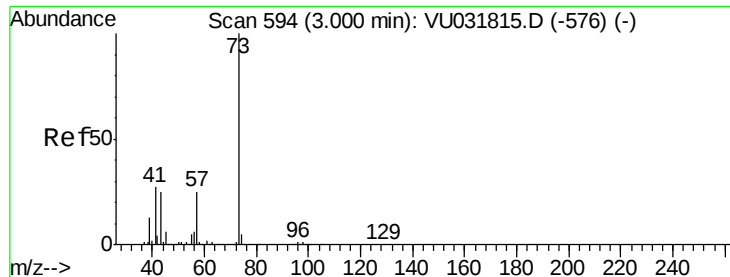
Tgt Ion: 43 Resp: 15697
Ion Ratio Lower Upper
43 100
74 15.5 14.7 22.1



#16
Methylene chloride
Concen: 1.685 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Tgt Ion: 84 Resp: 42554
Ion Ratio Lower Upper
84 100
86 62.0 45.6 84.8
49 155.4 106.7 198.1



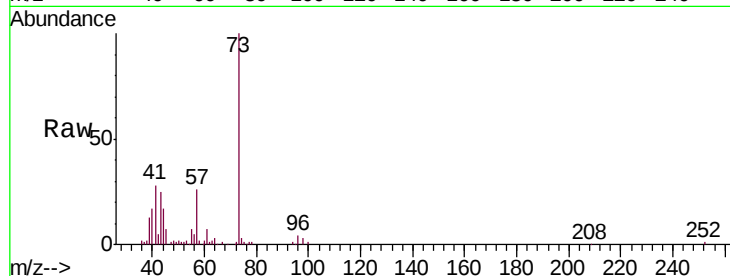


#17

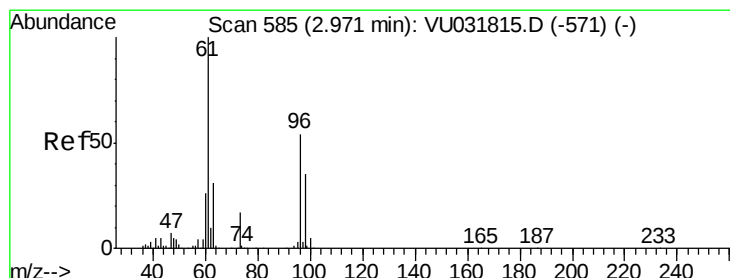
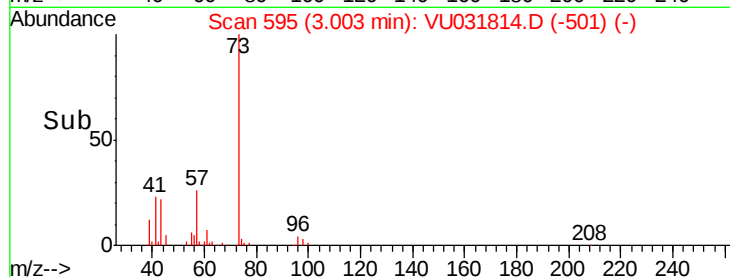
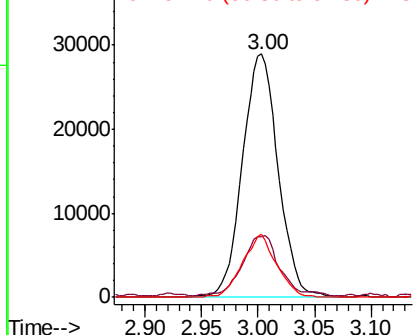
Methyl tert-butyl Ether
 Concen: 1.025 ug/L
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	73	Resp:	63495
Ion	Ratio	Lower	Upper
73	100		
43	26.5	20.5	30.7
57	24.5	19.9	29.9



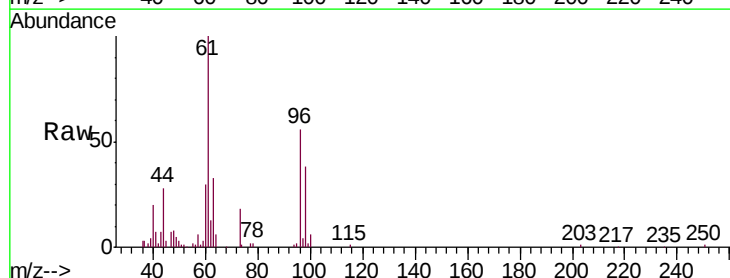
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



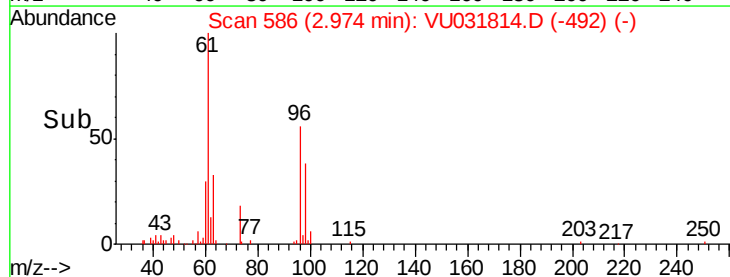
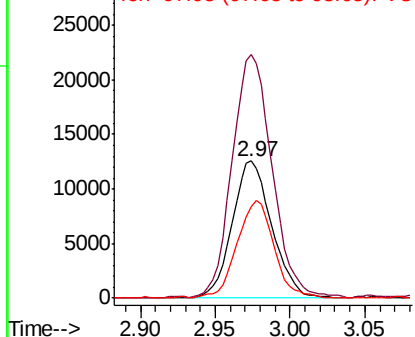
#18

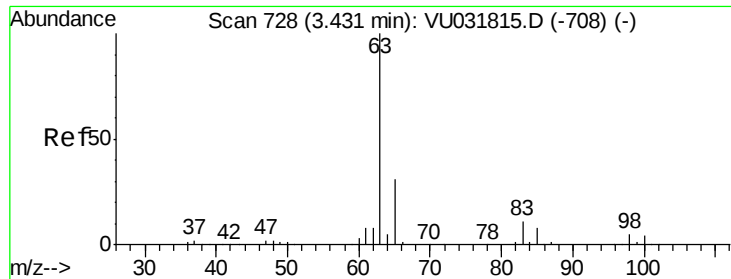
trans-1,2-Dichloroethene
 Concen: 1.012 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion:	96	Resp:	23146
Ion	Ratio	Lower	Upper
96	100		
61	177.9	130.9	243.1
98	66.9	46.2	85.8



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

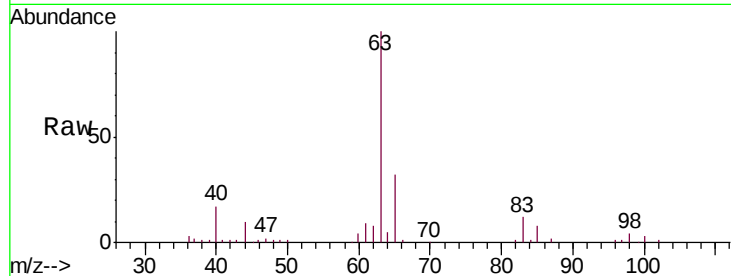




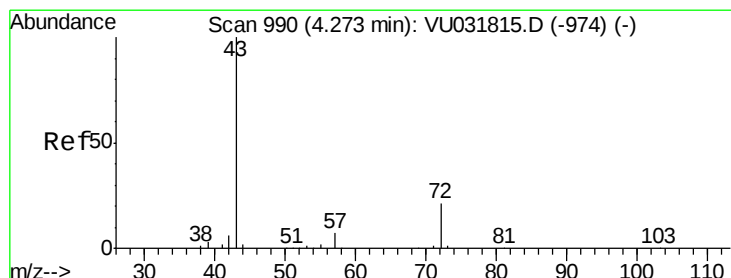
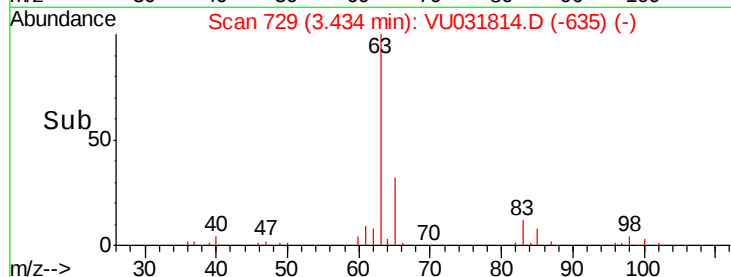
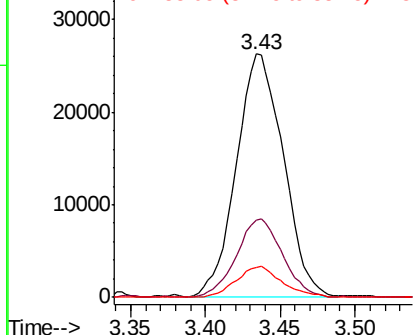
#19
 1,1-Dichloroethane
 Concen: 1.234 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 63 Resp: 57665
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.8 40.4
 83 12.3 7.9 14.7

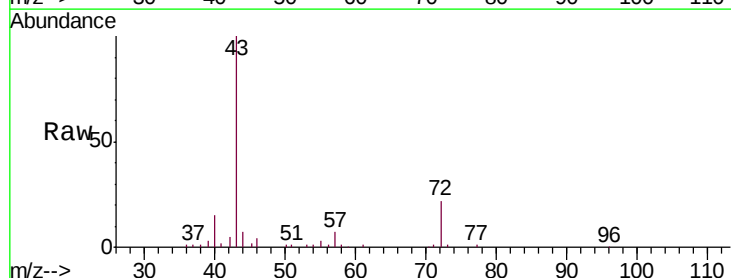


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

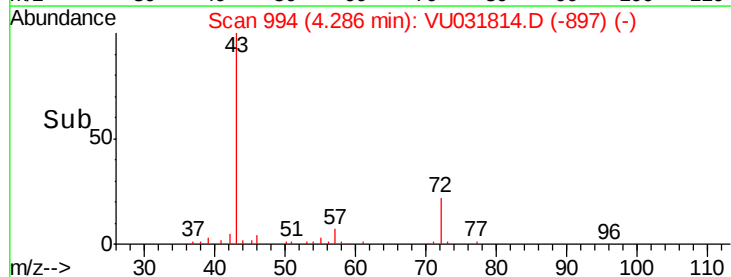
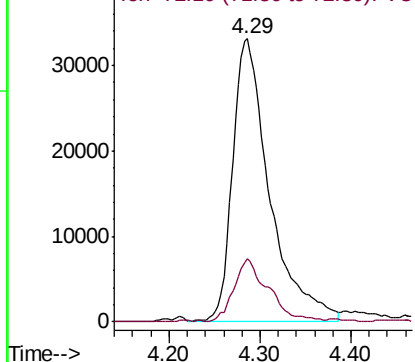


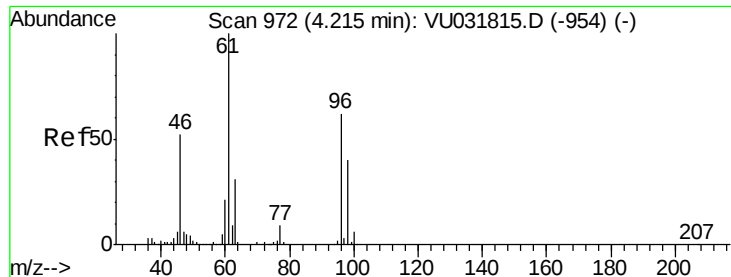
#21
 2-Butanone
 Concen: 12.194 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion: 43 Resp: 93961
 Ion Ratio Lower Upper
 43 100
 72 20.8 10.4 31.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



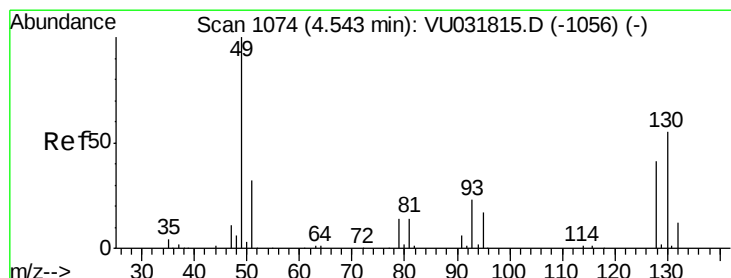
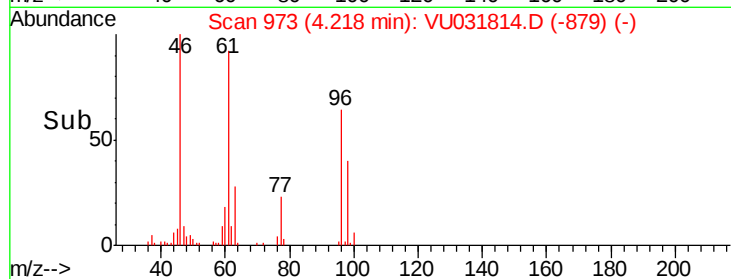
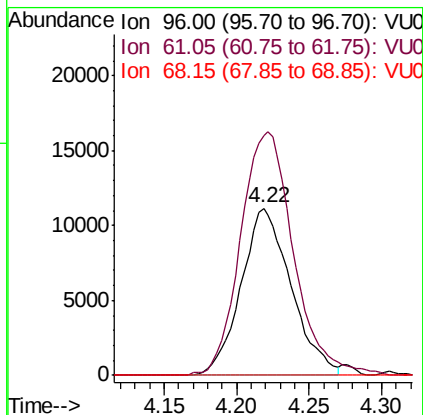
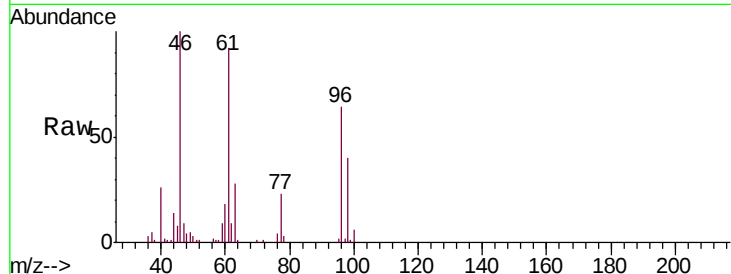


#22

cis-1,2-Dichloroethene
Concen: 1.087 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

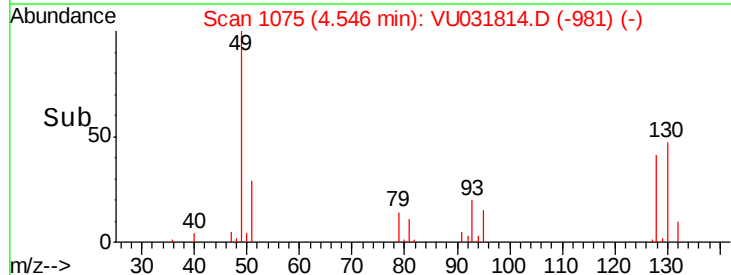
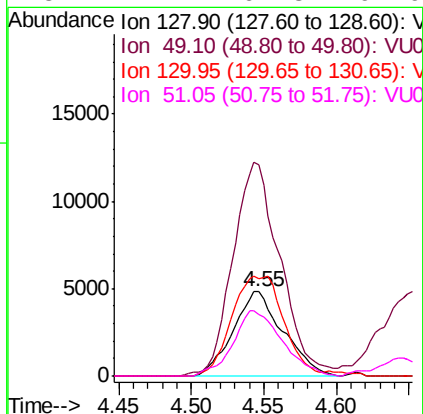
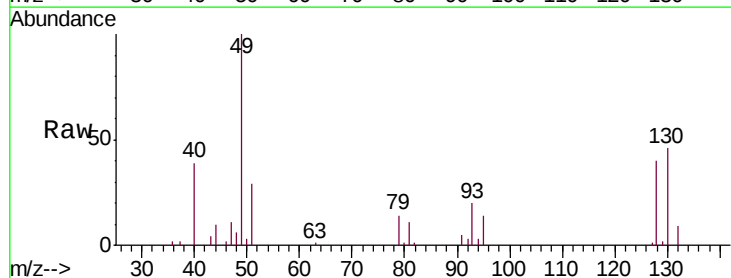
Tgt Ion: 96 Resp: 26759
Ion Ratio Lower Upper
96 100
61 143.7 113.3 210.5
68 0.0 0.0 0.0

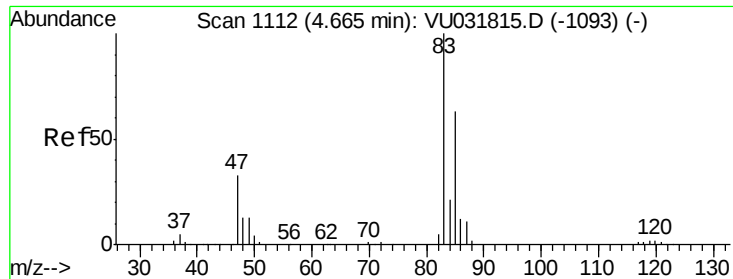


#23

Bromochloromethane
Concen: 1.117 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Tgt Ion: 128 Resp: 11646
Ion Ratio Lower Upper
128 100
49 251.1 168.8 313.4
130 115.0 93.0 172.8
51 72.7 61.3 91.9

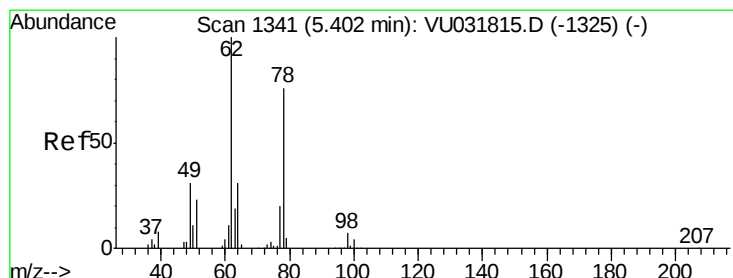
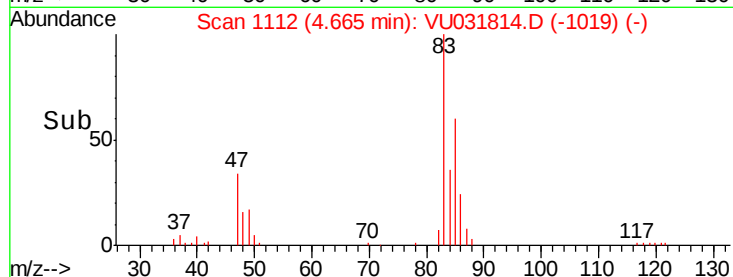
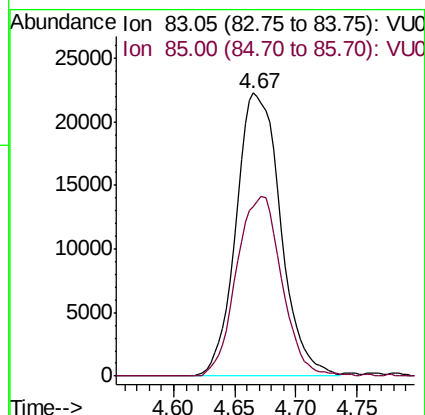
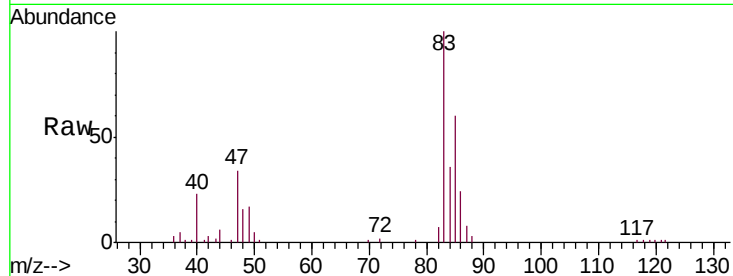




#25
Chloroform
Concen: 1.294 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

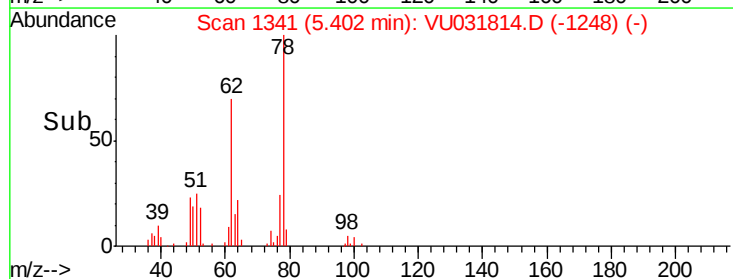
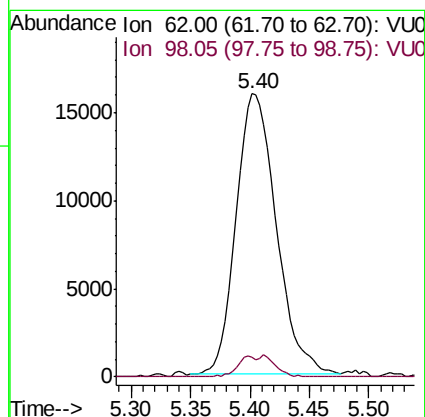
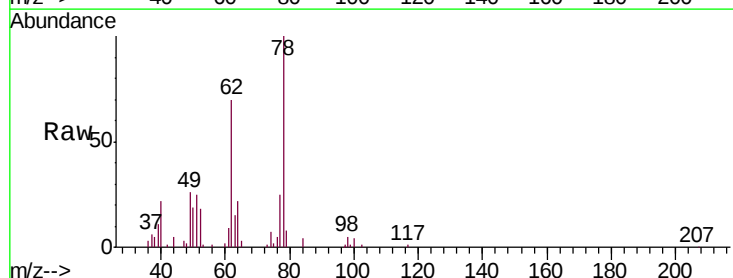
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

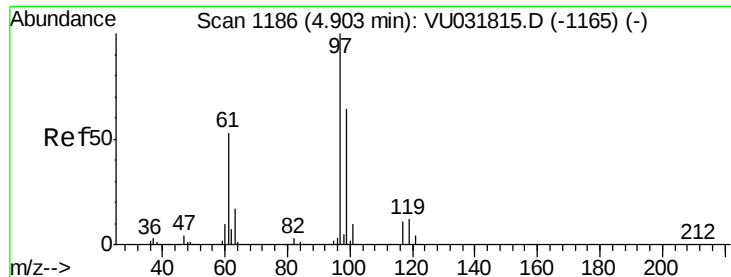
Tgt Ion: 83 Resp: 56295
Ion Ratio Lower Upper
83 100
85 60.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 1.295 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Tgt Ion: 62 Resp: 37284
Ion Ratio Lower Upper
62 100
98 6.8 5.4 8.2

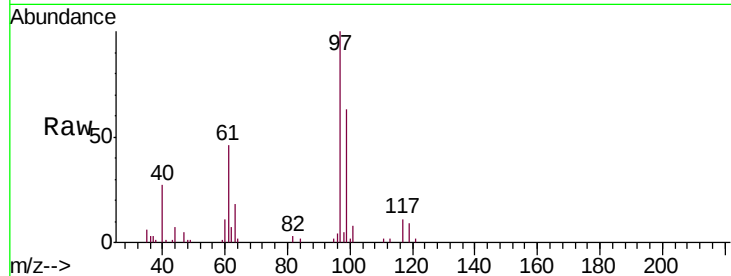




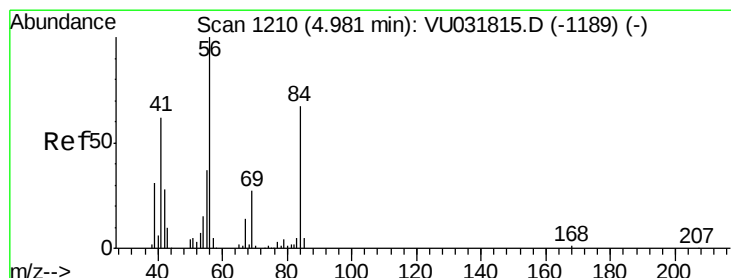
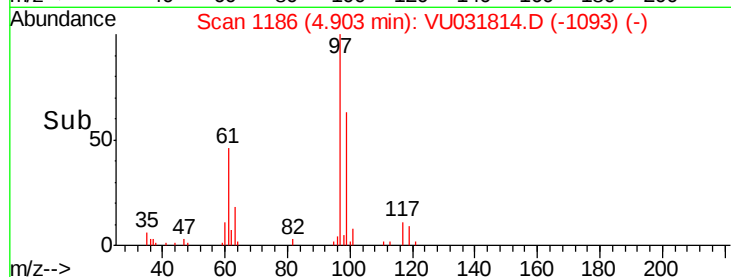
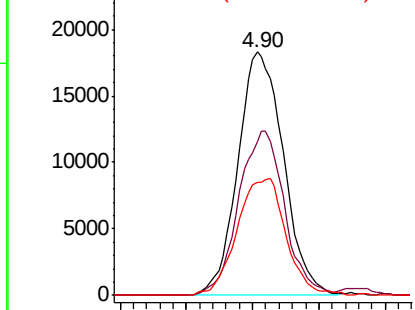
#29
 1,1,1-Trichloroethane
 Concen: 1.147 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 97 Resp: 43832
 Ion Ratio Lower Upper
 97 100
 99 67.8 50.6 75.8
 61 51.2 42.2 63.2

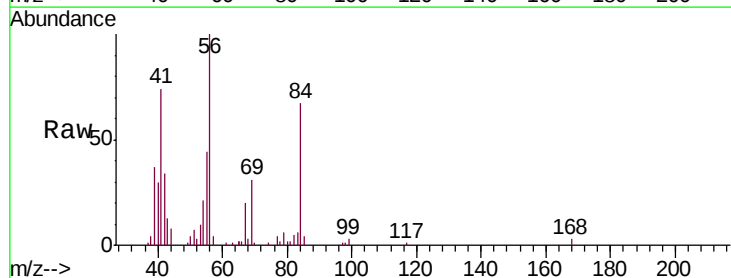


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

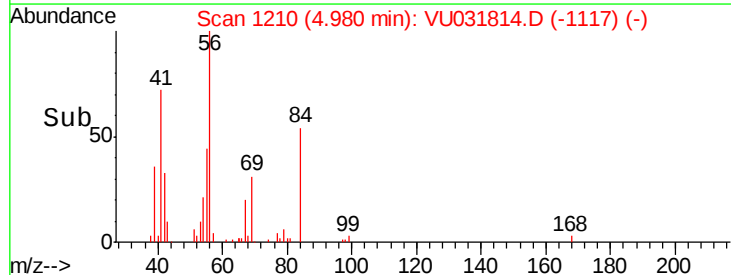
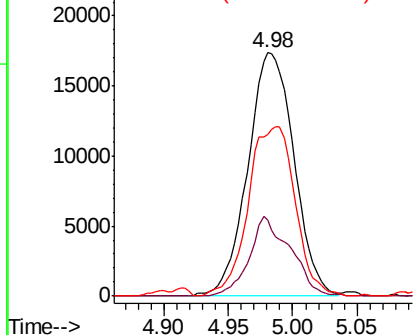


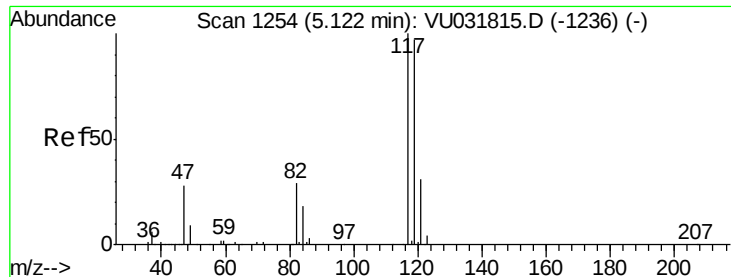
#30
 Cyclohexane
 Concen: 0.962 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion: 56 Resp: 43344
 Ion Ratio Lower Upper
 56 100
 69 29.1 21.8 32.8
 84 70.6 56.8 85.2



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: 1.098 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

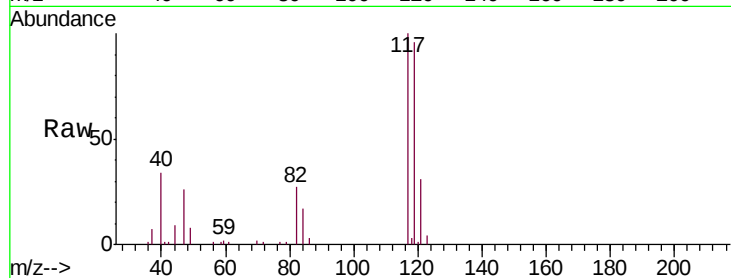
VSTD00106

Tgt Ion:117 Resp: 35814

Ion Ratio Lower Upper

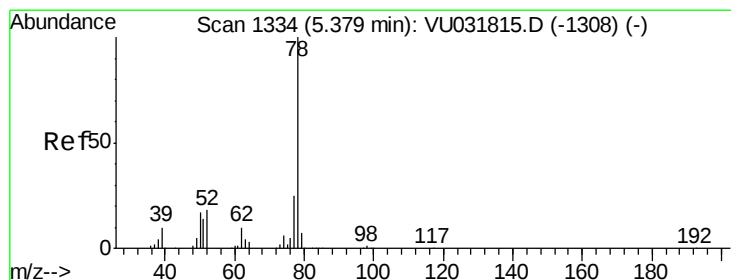
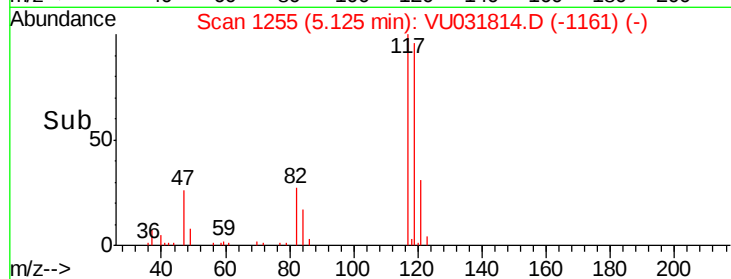
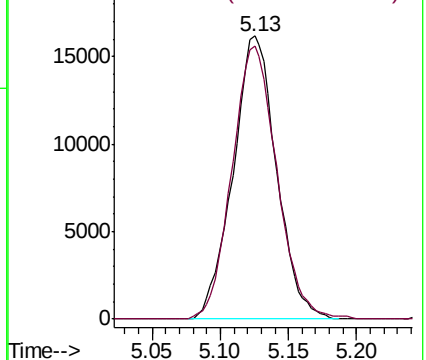
117 100

119 99.6 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.023 ug/L

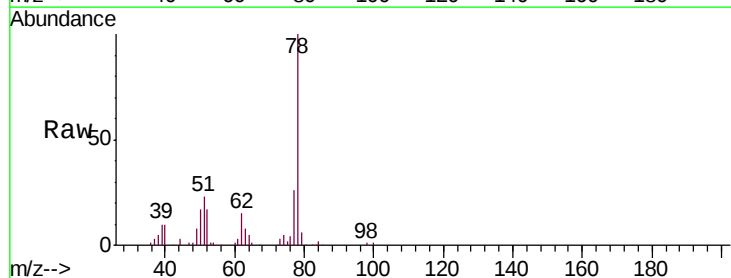
RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

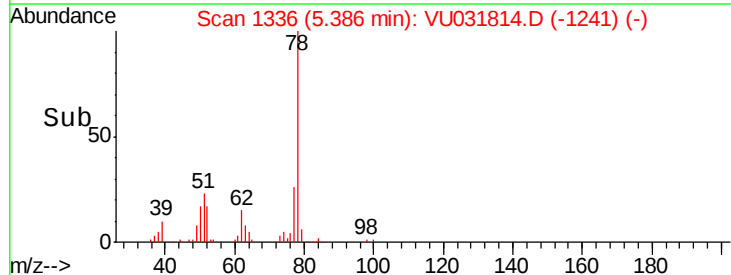
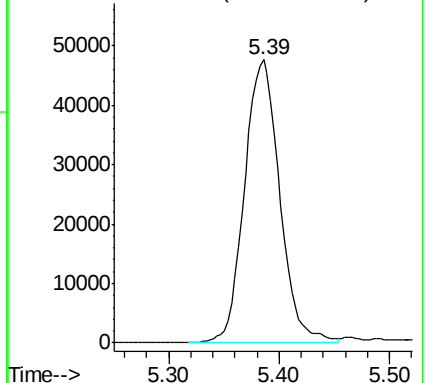
Lab File: VU031814.D

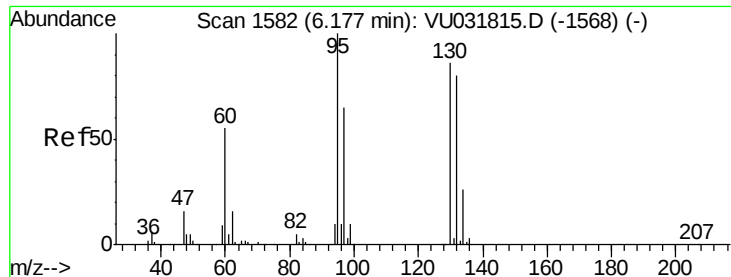
Acq: 08 May 2019 10:31

Tgt Ion: 78 Resp: 104893



Abundance Ion 78.10 (77.80 to 78.80): VU0

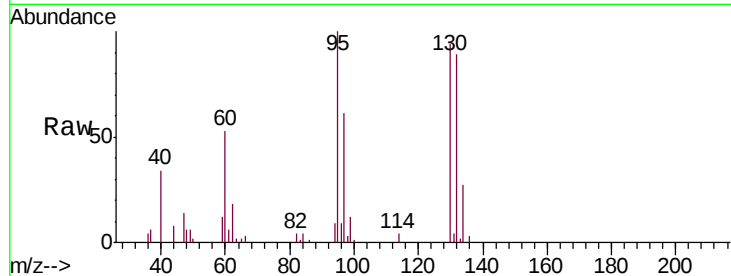




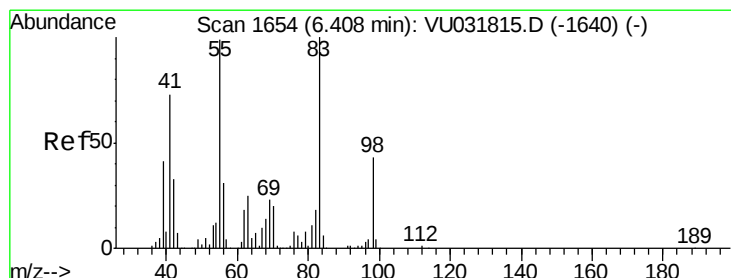
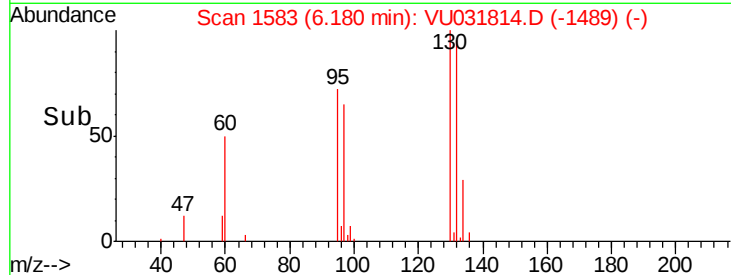
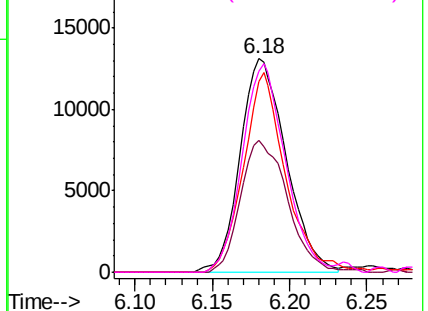
#34
 Trichloroethene
 Concen: 1.017 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	95	Resp:	27075
Ion	Ratio	Lower	Upper
95	100		
97	61.5	45.8	85.2
132	89.4	56.0	104.0
130	93.9	60.4	112.2

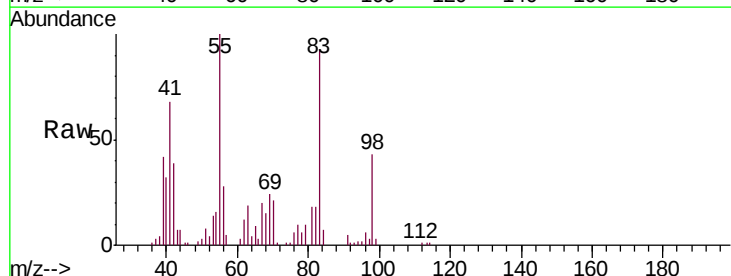


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

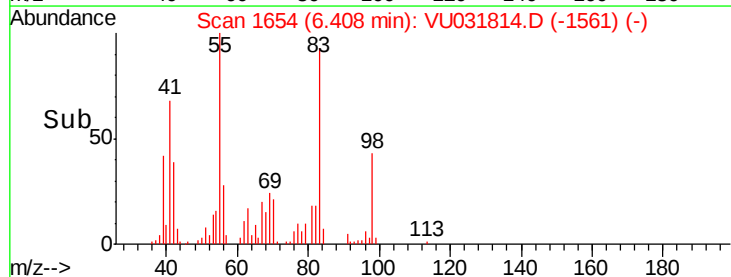
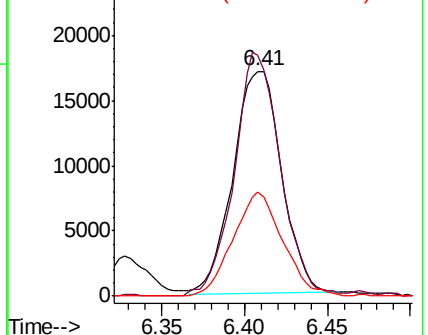


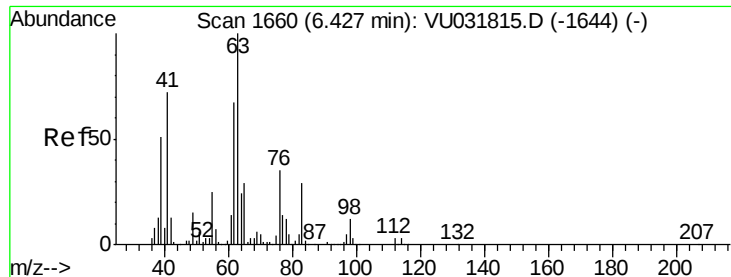
#35
 Methylcyclohexane
 Concen: 0.884 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion:	83	Resp:	34689
Ion	Ratio	Lower	Upper
83	100		
55	104.5	79.2	118.8
98	47.7	34.0	51.0



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: 1.173 ug/L

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

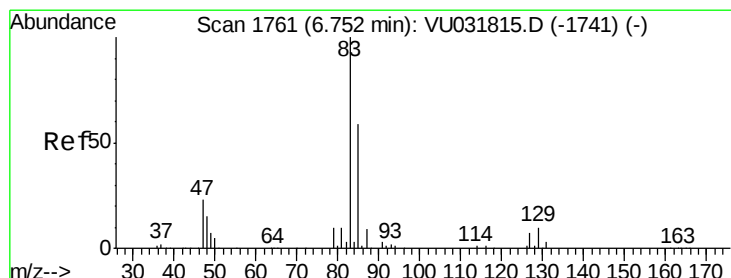
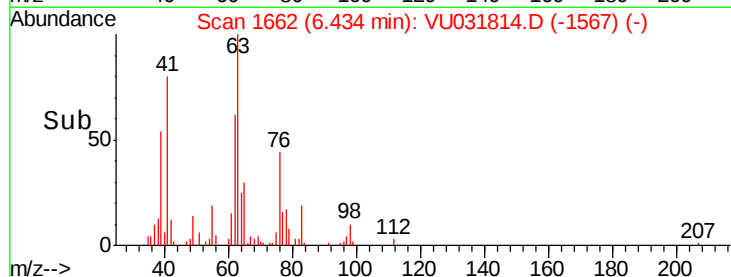
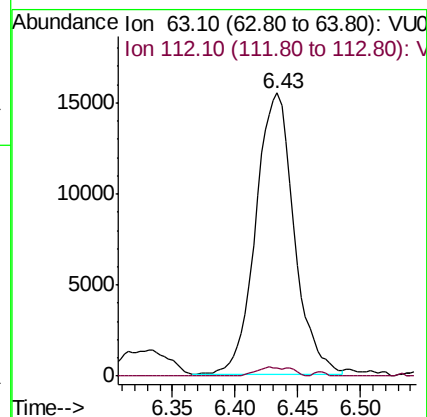
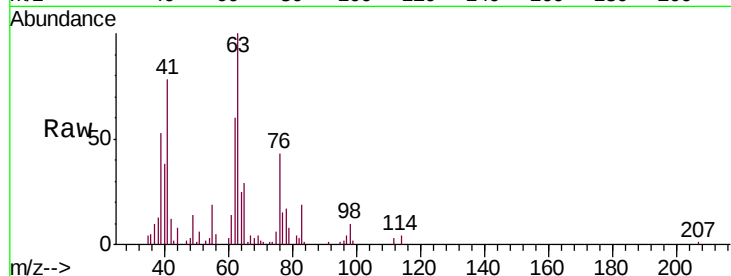
VSTD00106

Tgt Ion: 63 Resp: 32810

Ion Ratio Lower Upper

63 100

112 2.0 2.5 3.7#



#38

Bromodichloromethane

Concen: 1.187 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

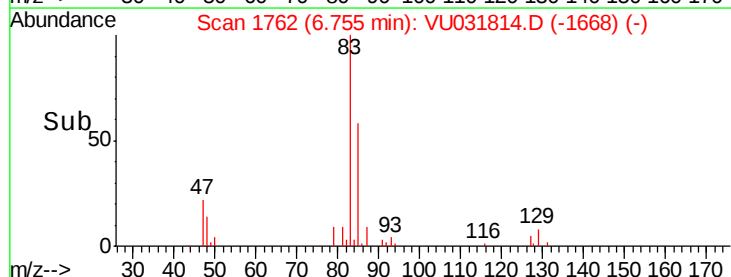
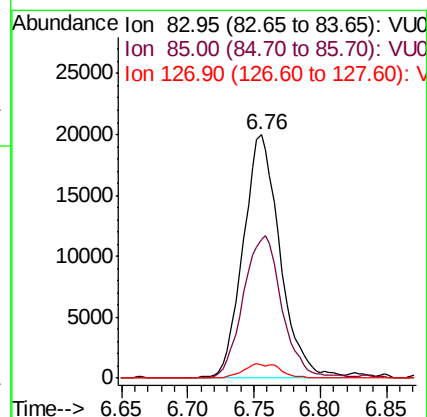
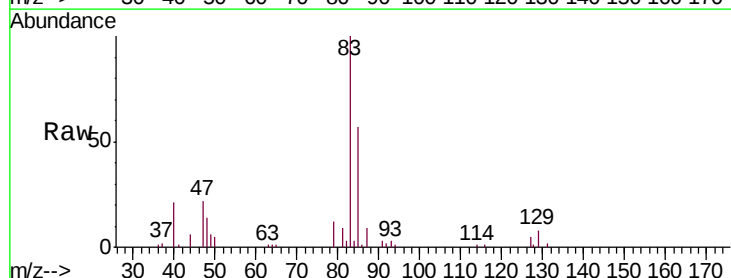
Tgt Ion: 83 Resp: 38593

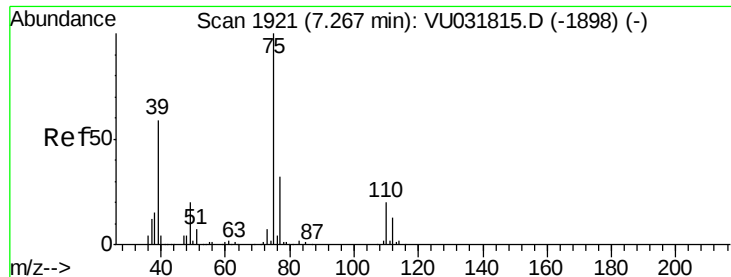
Ion Ratio Lower Upper

83 100

85 56.8 41.3 76.7

127 5.4 5.8 8.6#

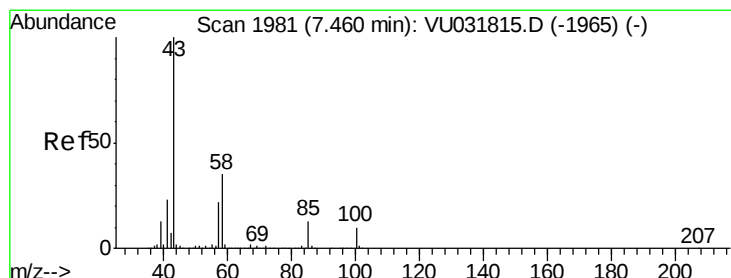
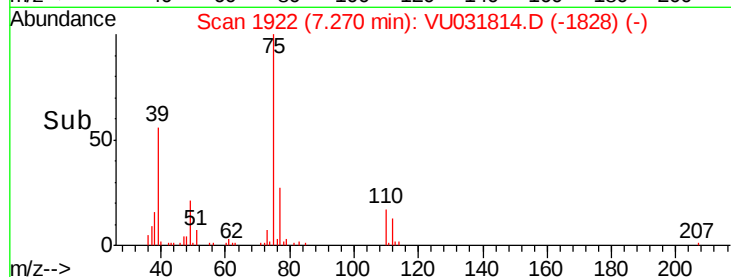
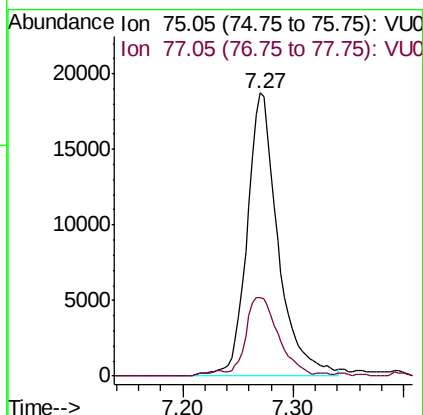
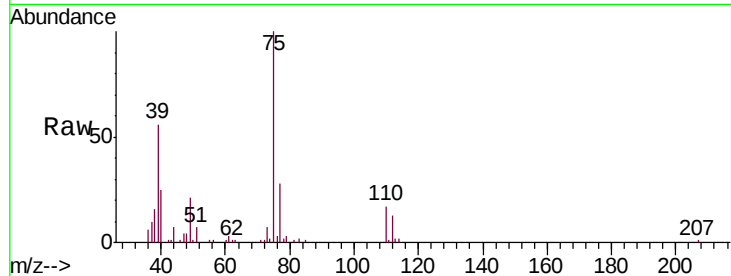




#39
 cis-1,3-Dichloropropene
 Concen: 0.969 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

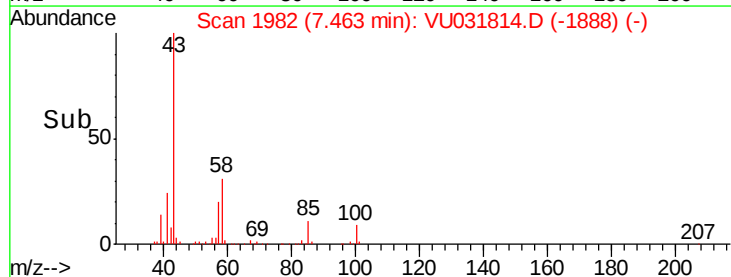
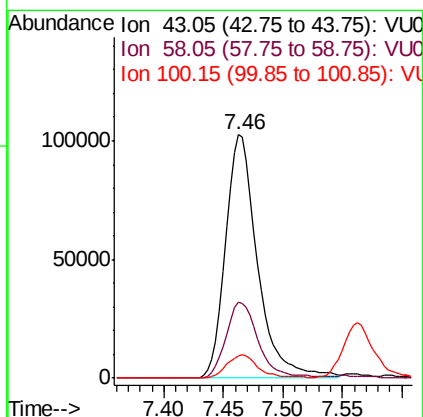
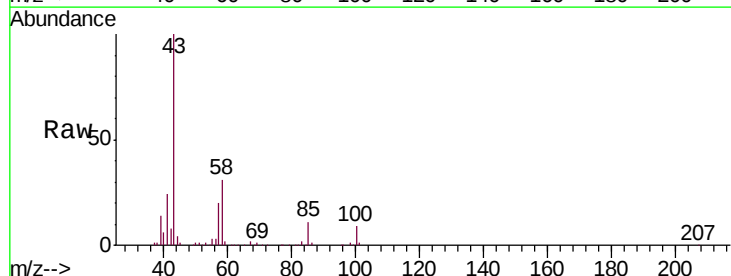
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

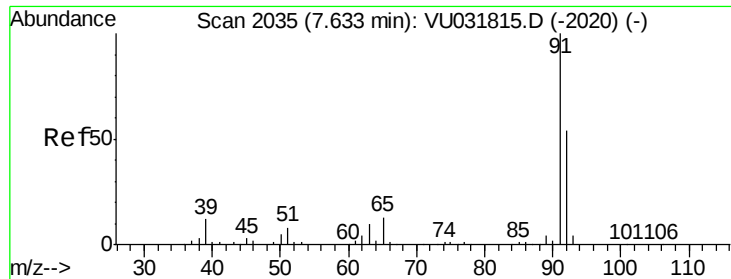
Tgt Ion: 75 Resp: 36472
 Ion Ratio Lower Upper
 75 100
 77 27.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 10.079 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion: 43 Resp: 191375
 Ion Ratio Lower Upper
 43 100
 58 31.7 28.0 42.0
 100 9.5 8.2 12.4





#42

Toluene

Concen: 0.968 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

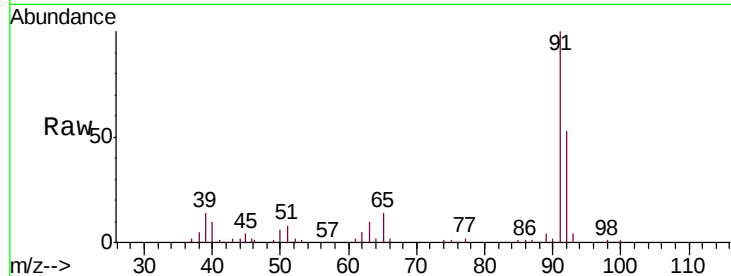
Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion: 91 Resp: 100041

Ion Ratio Lower Upper

91 100

92 53.3 38.1 70.9

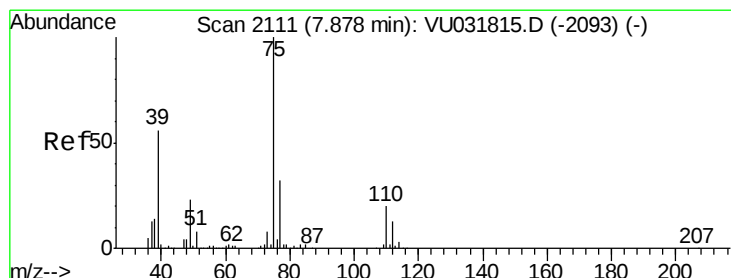
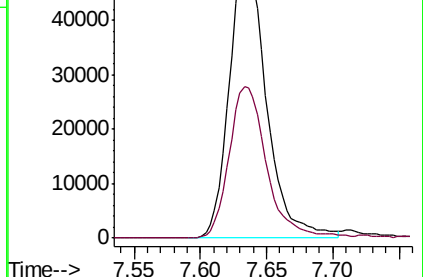
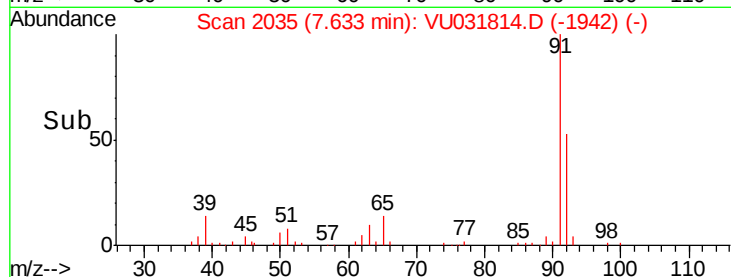


Abundance Ion 91.15 (90.85 to 91.85): VU031814.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031814.D (-2020) (-)

7.63

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031814.D

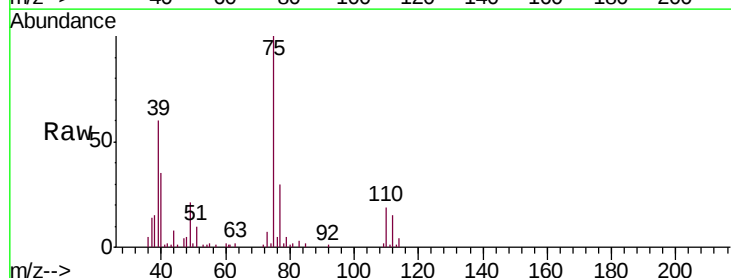
Acq: 08 May 2019 10:31

Tgt Ion: 75 Resp: 28195

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.3

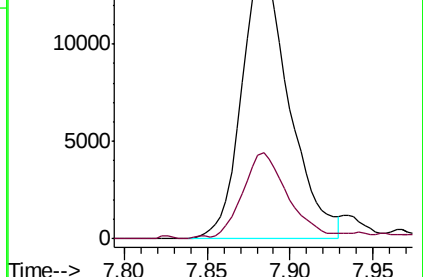
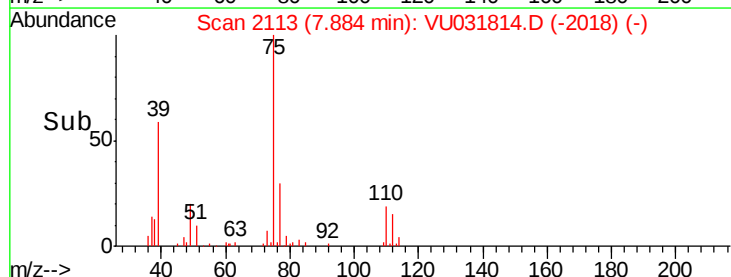


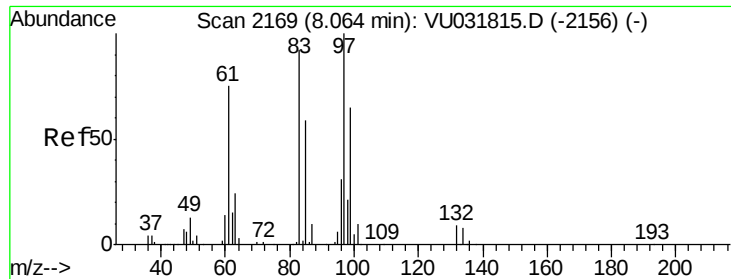
Abundance Ion 75.05 (74.75 to 75.75): VU031814.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031814.D (-2093) (-)

7.88

Time-->

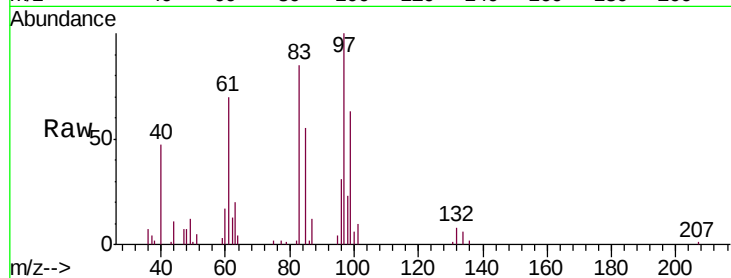




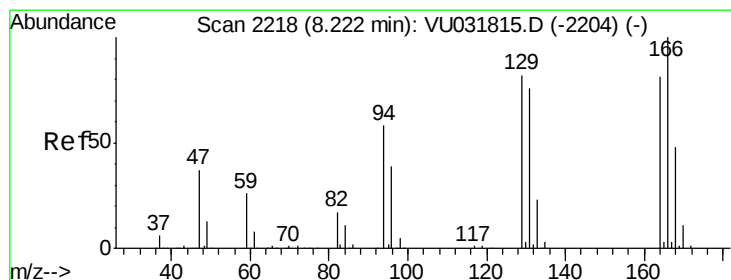
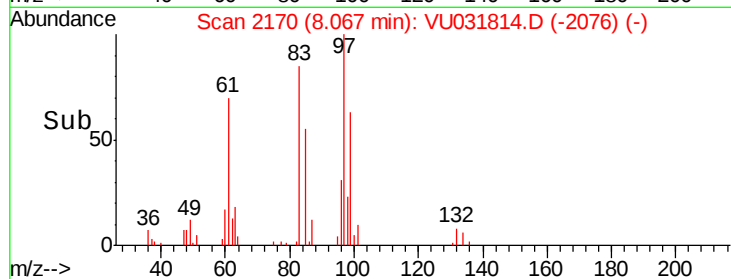
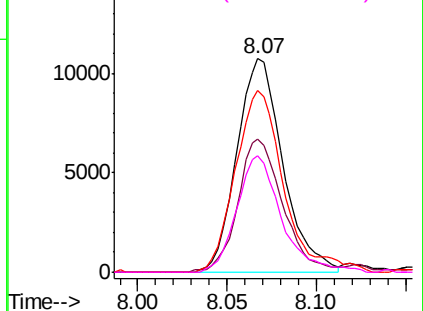
#45
 1,1,2-Trichloroethane
 Concen: 1.071 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	97	Resp:	19349
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.8	85.0
83	85.1	64.5	119.7
85	54.8	41.6	77.3

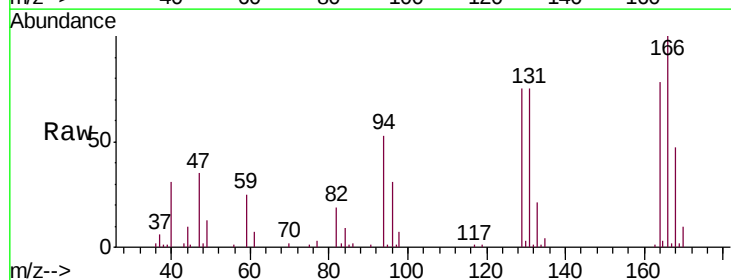


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

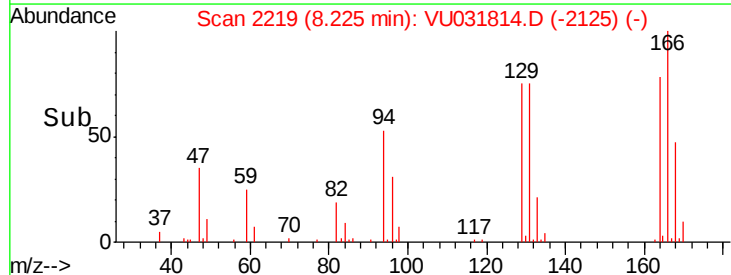
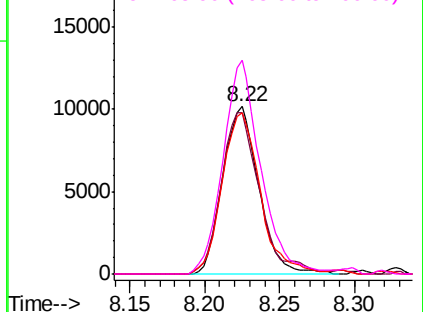


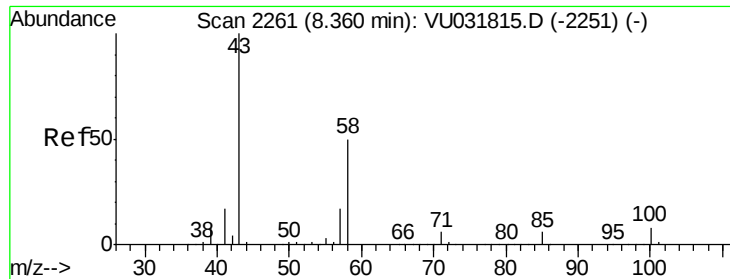
#47
 Tetrachloroethene
 Concen: 0.947 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion:	164	Resp:	17159
Ion	Ratio	Lower	Upper
164	100		
129	96.0	70.3	130.5
131	96.0	65.4	121.4
166	127.6	86.0	159.8



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

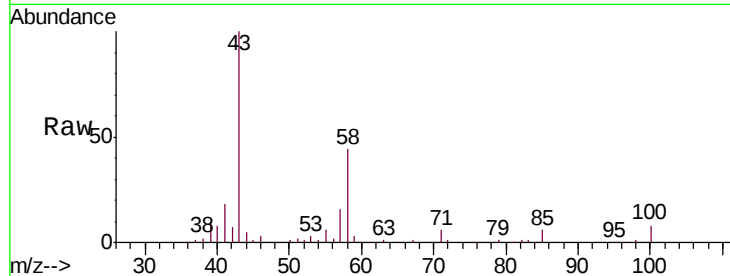




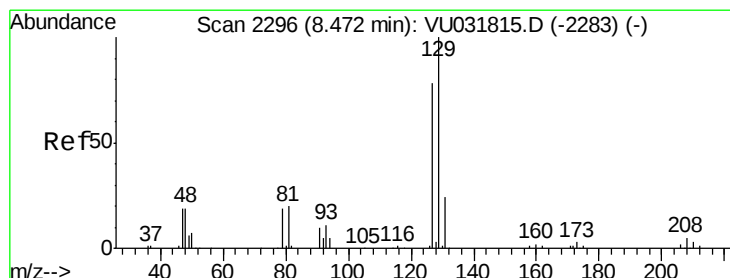
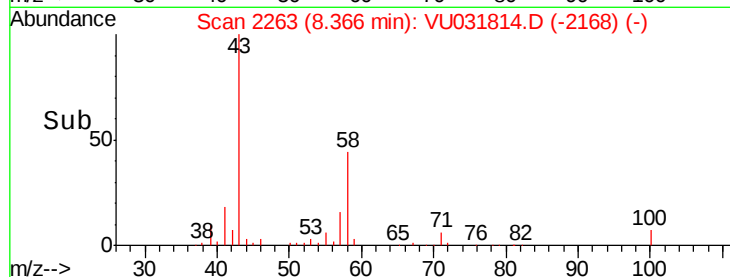
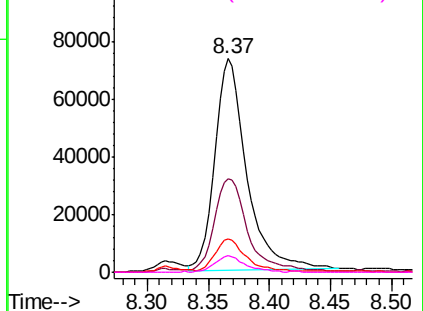
#48
2-Hexanone
Concen: 10.062 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Instrument :
MSVOA_U
ClientSampled :
VSTD00106

Tgt Ion:	43	Resp:	134581
Ion	Ratio	Lower	Upper
43	100		
58	46.2	40.2	60.2
57	15.5	13.8	20.6
100	7.2	6.4	9.6

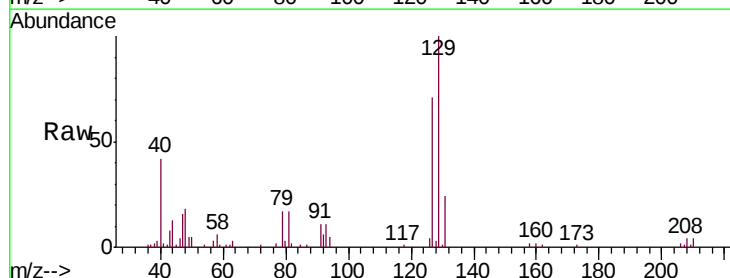


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

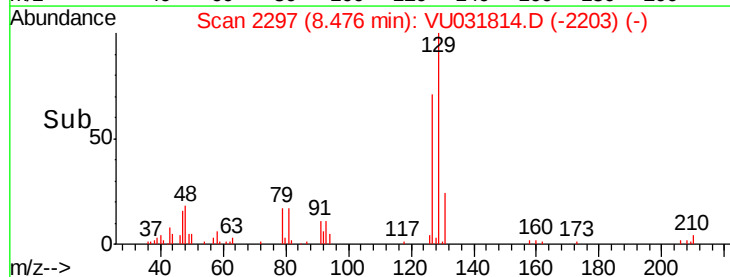
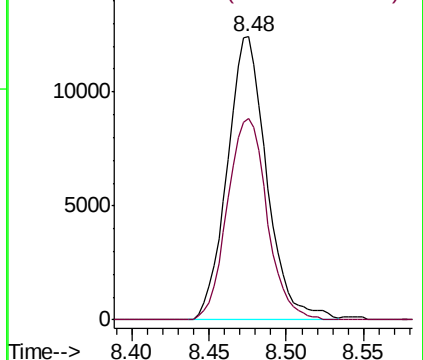


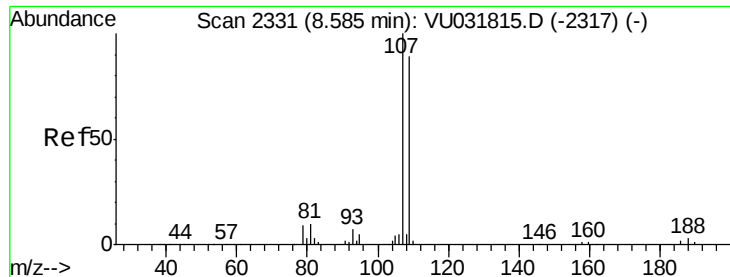
#49
Dibromochloromethane
Concen: 1.073 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Tgt Ion:	129	Resp:	22056
Ion	Ratio	Lower	Upper
129	100		
127	71.3	54.7	101.7



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

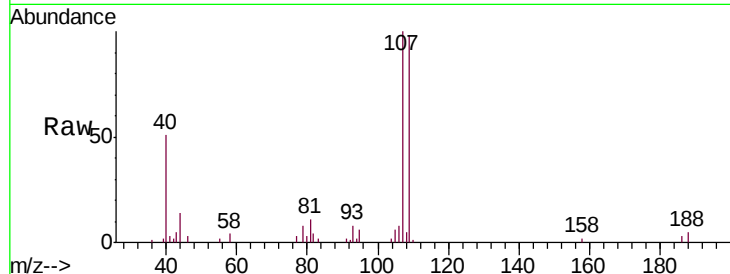




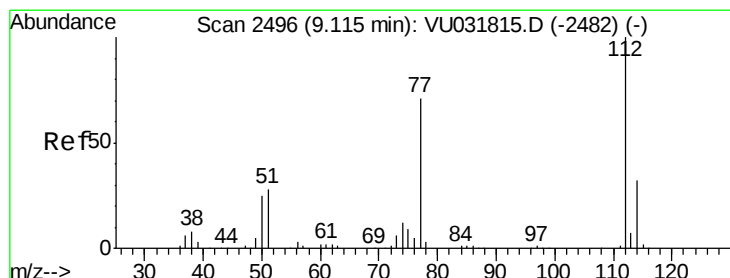
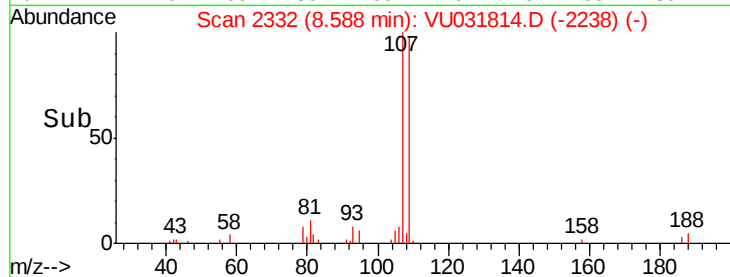
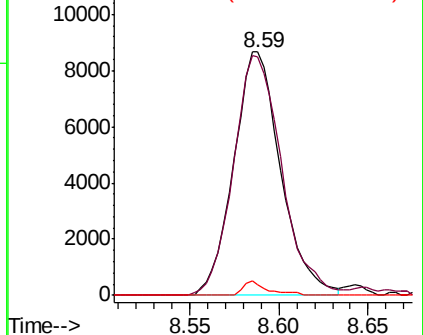
#50
1,2-Dibromoethane
Concen: 0.927 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion:107 Resp: 16010
Ion Ratio Lower Upper
107 100
109 97.8 62.6 116.3
188 4.5 2.1 3.1#

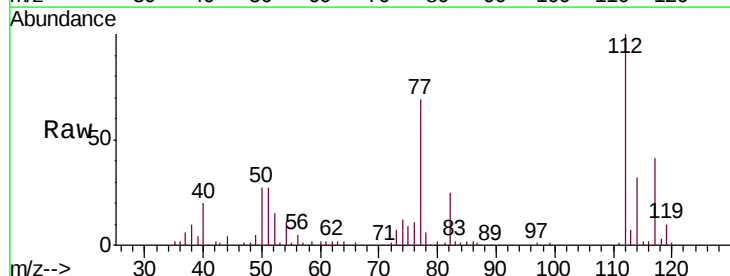


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

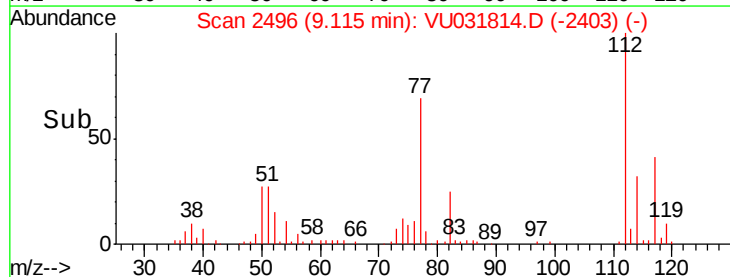
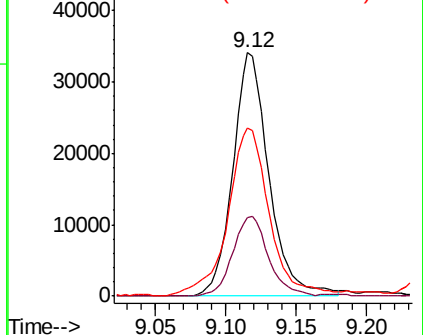


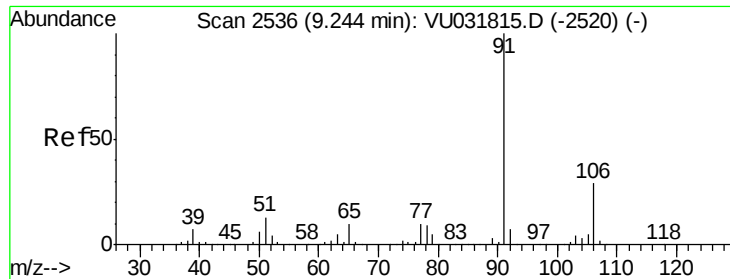
#51
Chlorobenzene
Concen: 0.996 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031814.D
Acq: 08 May 2019 10:31

Tgt Ion:112 Resp: 61166
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 69.2 56.9 85.3



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: 0.921 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

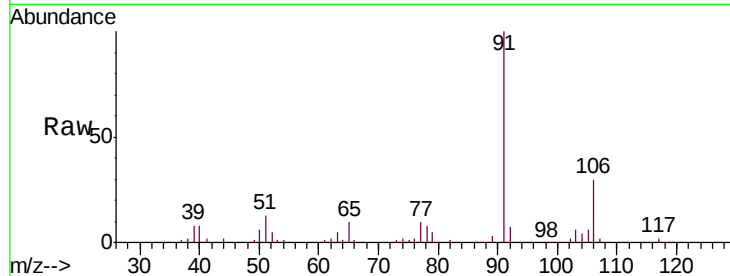
VSTD00106

Tgt Ion: 91 Resp: 99789

Ion Ratio Lower Upper

91 100

106 29.5 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU031814.D (-2520) (-)

Ion 106.15 (105.85 to 106.85): VU031814.D (-2520) (-)

9.25

60000

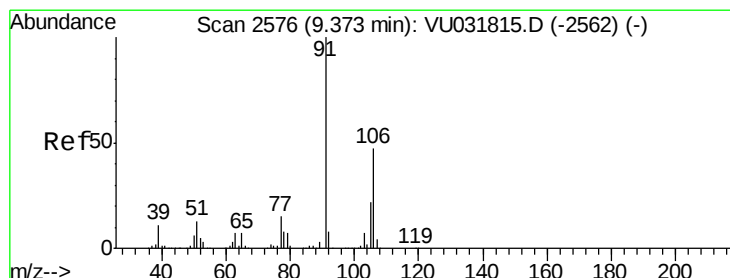
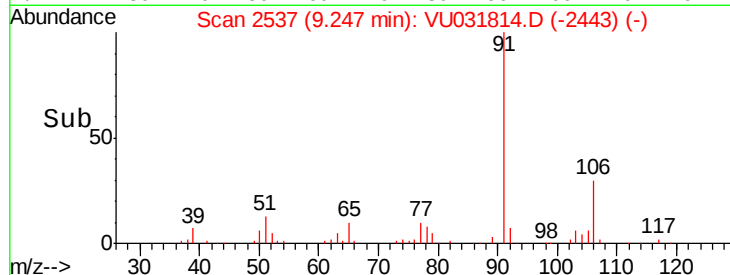
40000

20000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.886 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031814.D

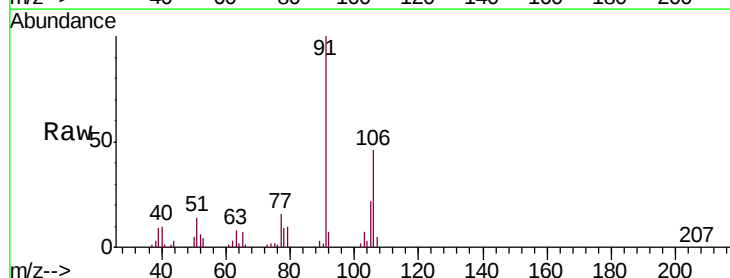
Acq: 08 May 2019 10:31

Tgt Ion: 106 Resp: 34365

Ion Ratio Lower Upper

106 100

91 218.9 150.3 279.1



Abundance Ion 106.15 (105.85 to 106.85): VU031814.D (-2562) (-)

Ion 91.15 (90.85 to 91.85): VU031814.D (-2562) (-)

9.37

50000

40000

30000

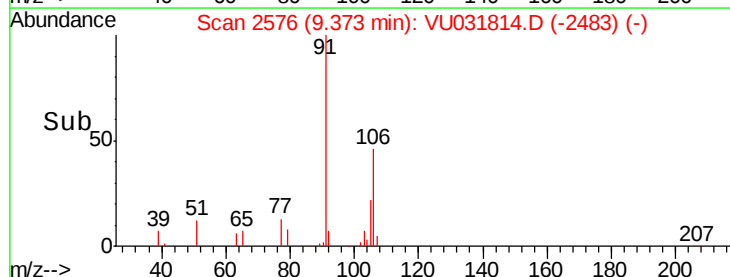
20000

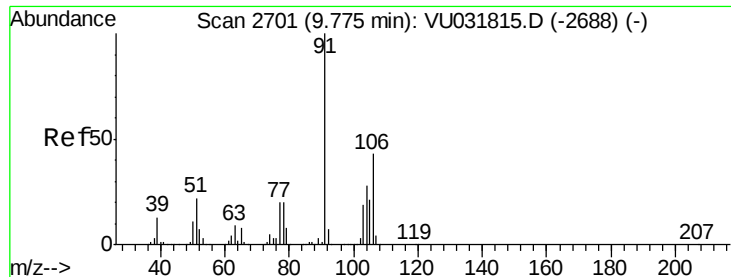
10000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-Xylene

Concen: 0.853 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

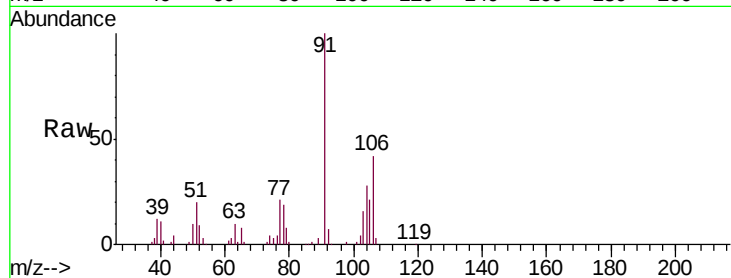
VSTD00106

Tgt Ion:106 Resp: 32301

Ion Ratio Lower Upper

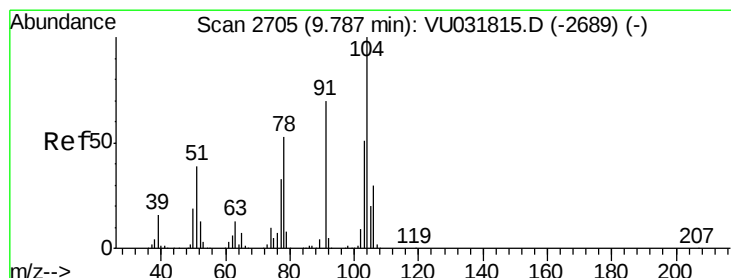
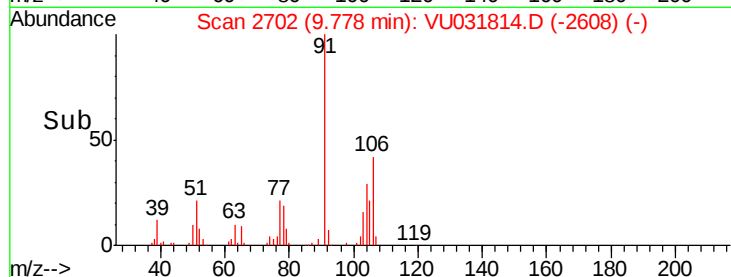
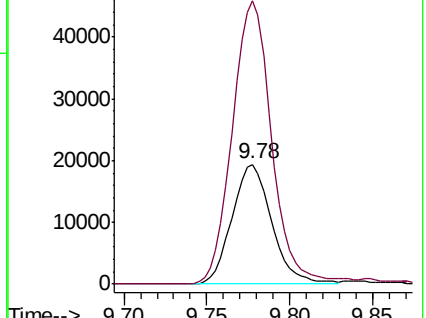
106 100

91 236.4 161.8 300.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 0.834 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.01 min

Lab File: VU031814.D

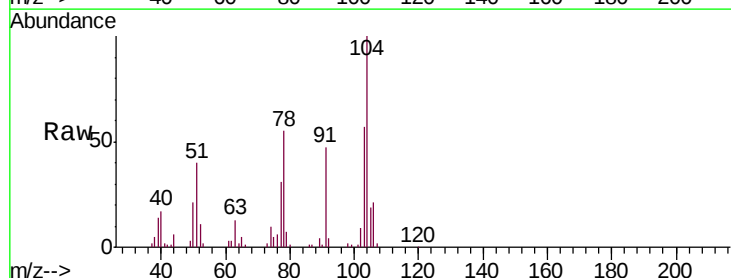
Acq: 08 May 2019 10:31

Tgt Ion:104 Resp: 52635

Ion Ratio Lower Upper

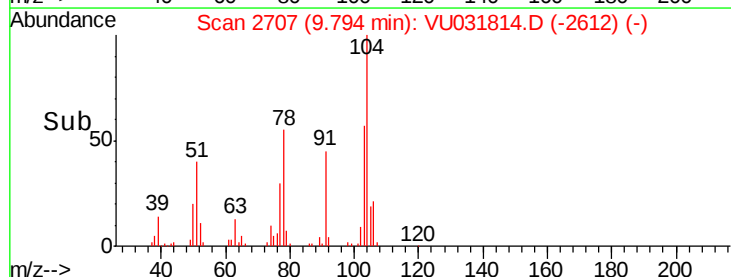
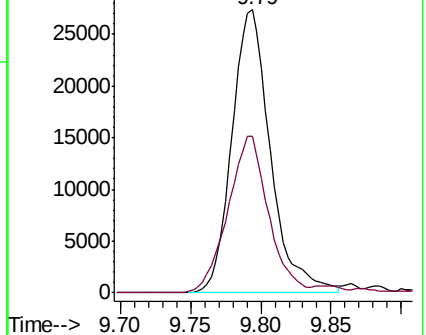
104 100

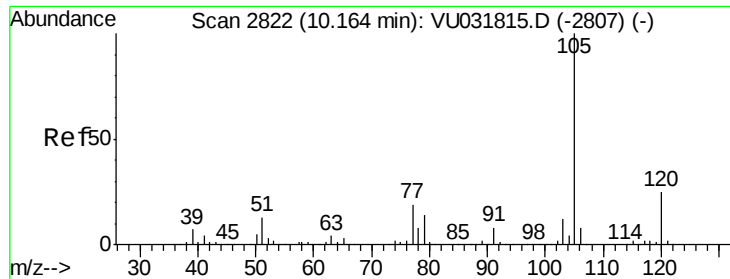
78 55.2 37.2 69.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 0.848 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

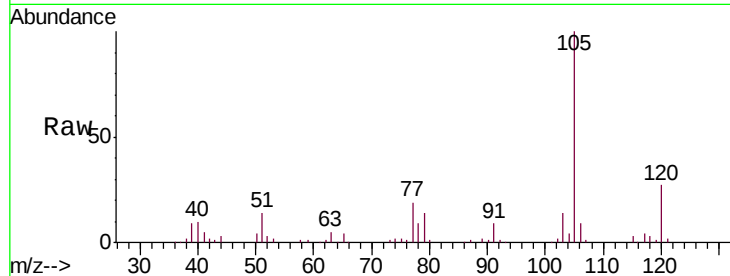
Tgt Ion: 105 Resp: 84907

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.4

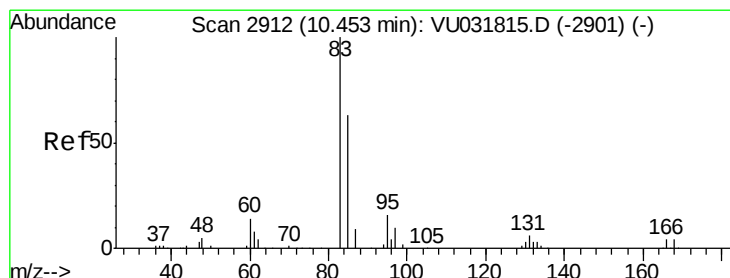
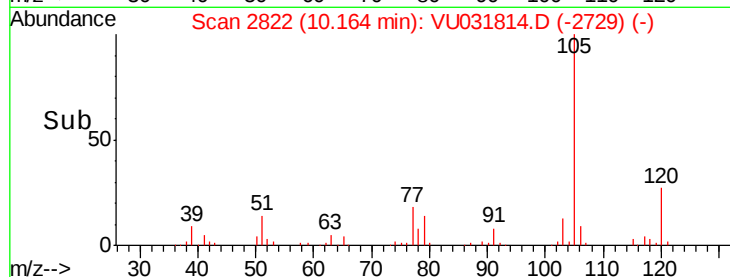
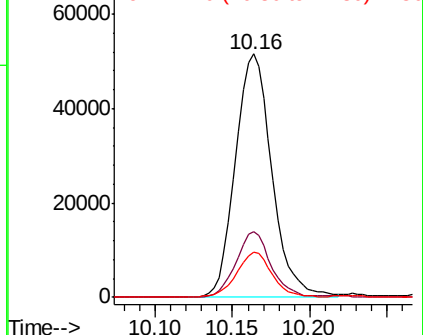
77 17.8 14.8 22.2



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: 1.045 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

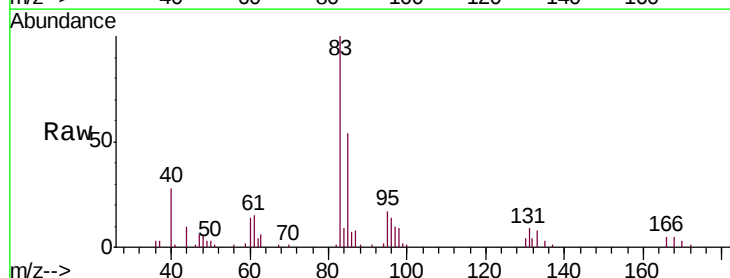
Tgt Ion: 83 Resp: 24403

Ion Ratio Lower Upper

83 100

85 54.1 44.3 82.3

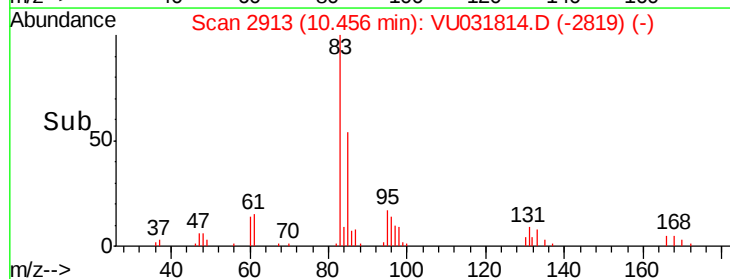
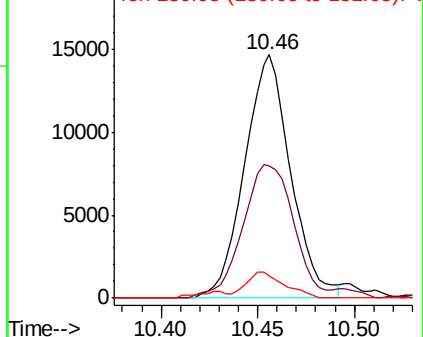
131 9.1 6.0 9.0#

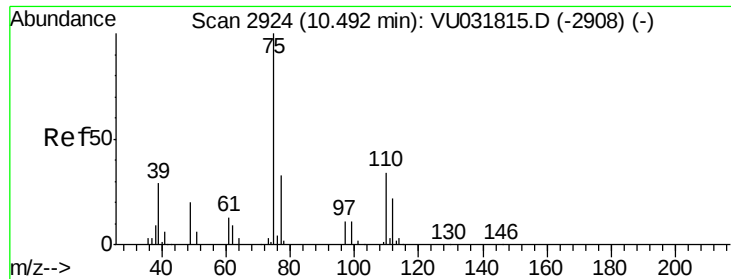


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

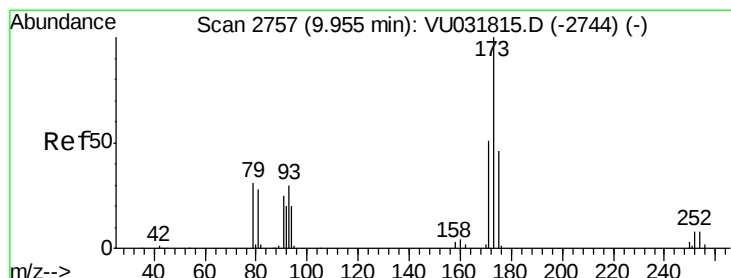
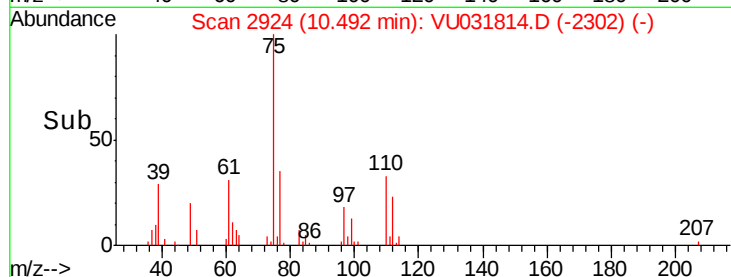
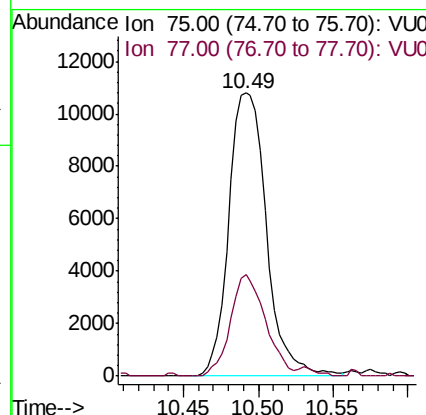
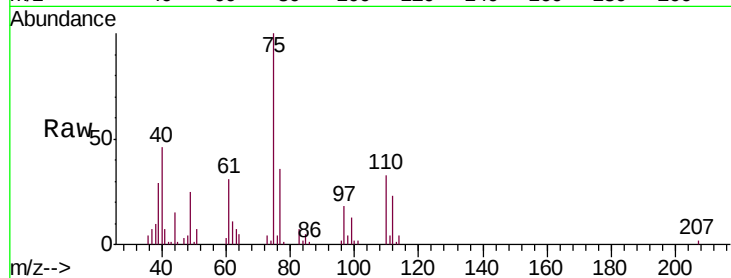




#59
 1,2,3-Trichloropropane
 Concen: 1.107 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

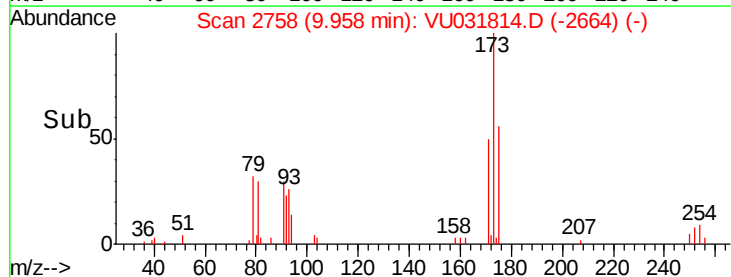
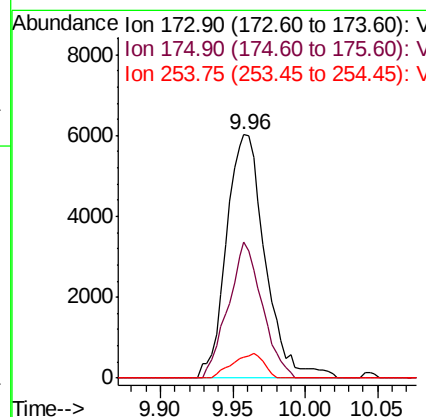
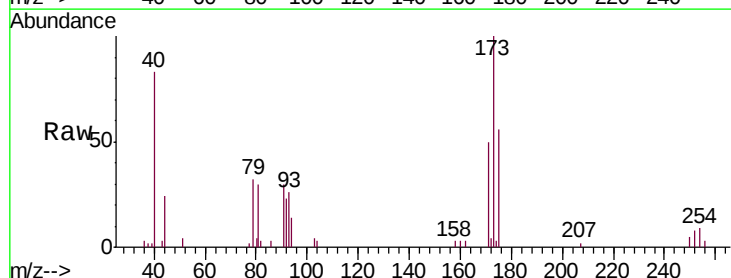
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

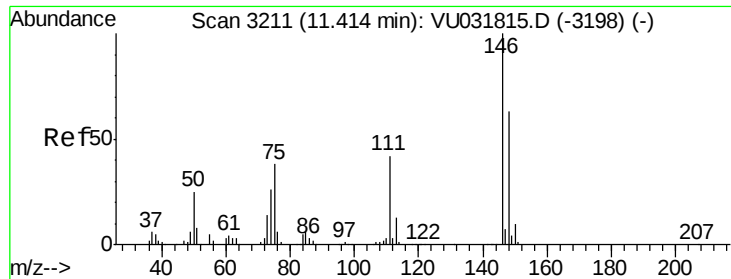
Tgt Ion: 75 Resp: 18937
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.3 39.5



#61
 Bromoform
 Concen: 1.099 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion: 173 Resp: 11179
 Ion Ratio Lower Upper
 173 100
 175 48.9 37.2 55.8
 254 8.2 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 1.090 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

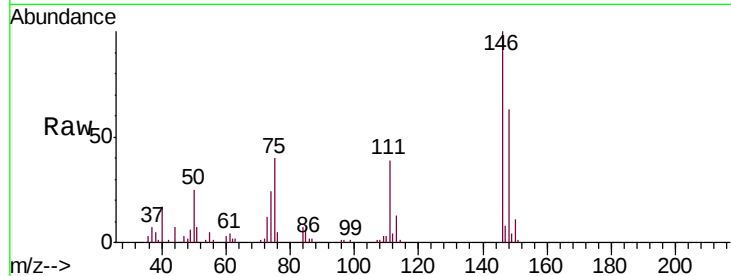
Tgt Ion:146 Resp: 42467

Ion Ratio Lower Upper

146 100

111 38.7 29.4 54.6

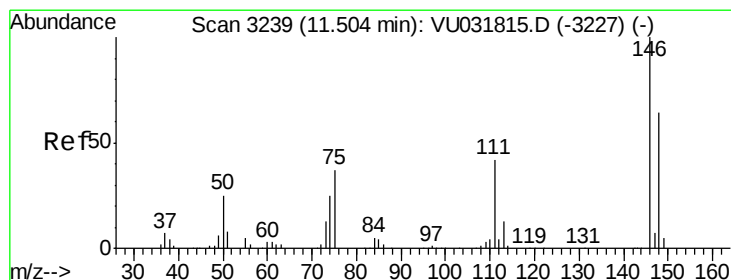
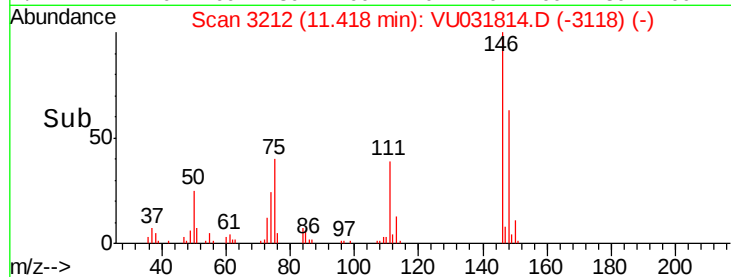
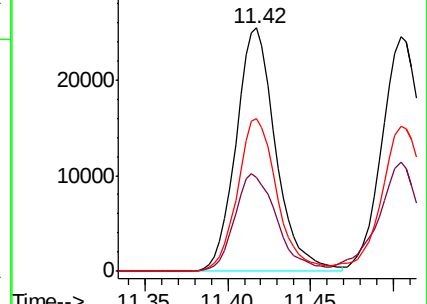
148 62.8 44.0 81.6



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: 1.021 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

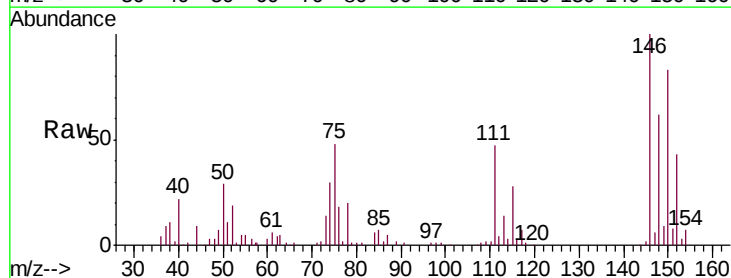
Tgt Ion:146 Resp: 41462

Ion Ratio Lower Upper

146 100

111 46.7 29.5 54.7

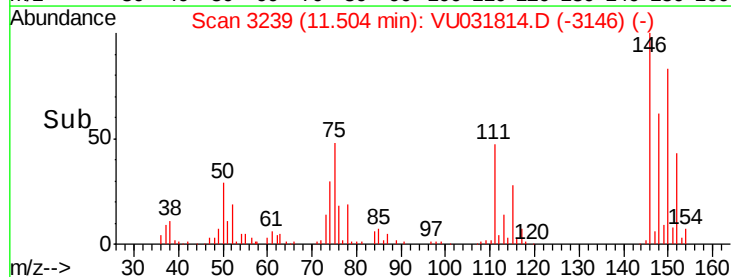
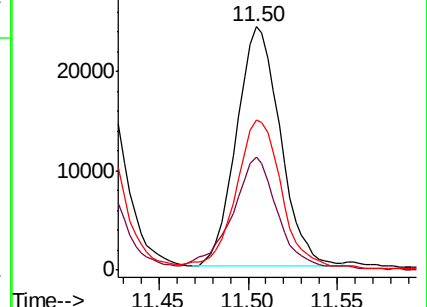
148 61.7 44.8 83.2

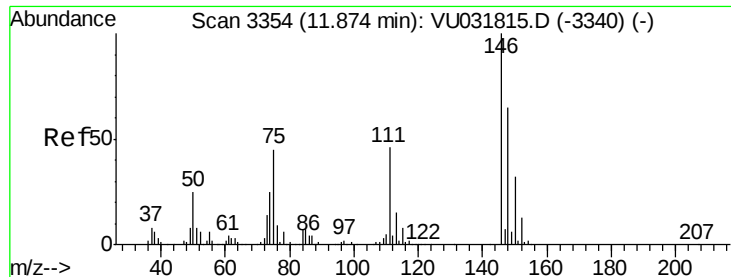


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.032 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

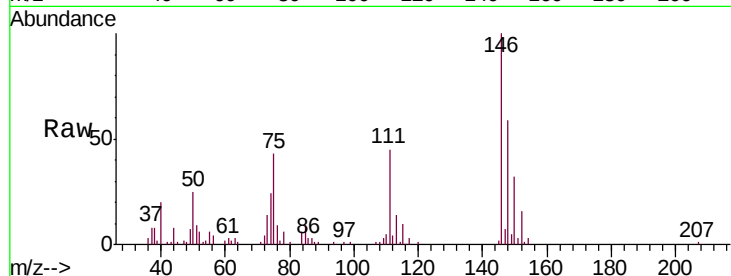
Tgt Ion:146 Resp: 39971

Ion Ratio Lower Upper

146 100

111 45.3 37.0 55.4

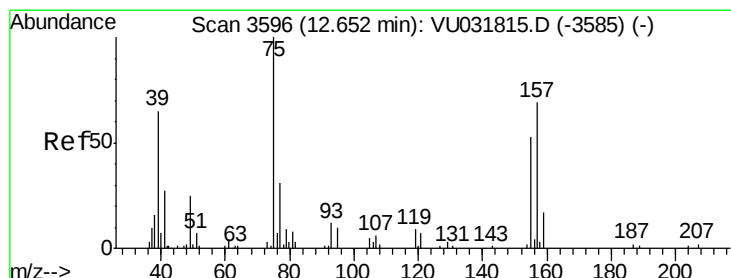
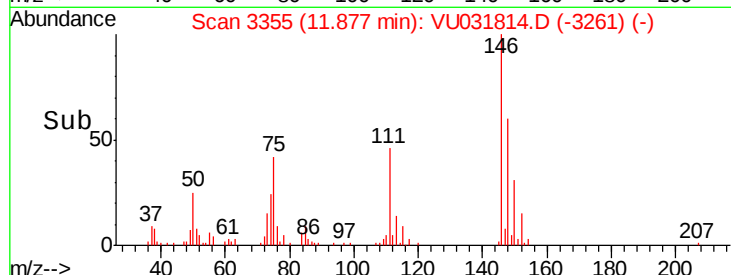
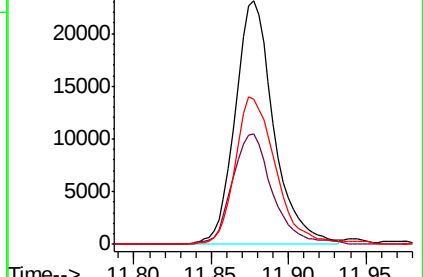
148 59.5 52.2 78.4



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: 1.203 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

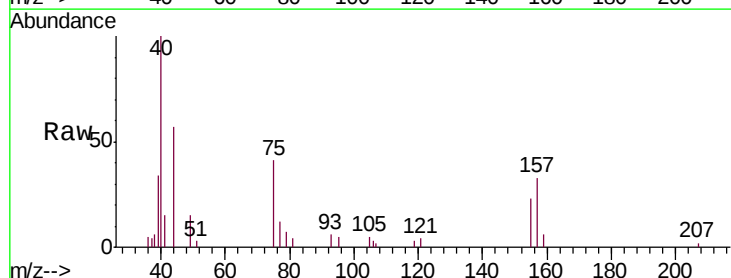
Tgt Ion: 75 Resp: 3926

Ion Ratio Lower Upper

75 100

155 56.5 42.2 63.2

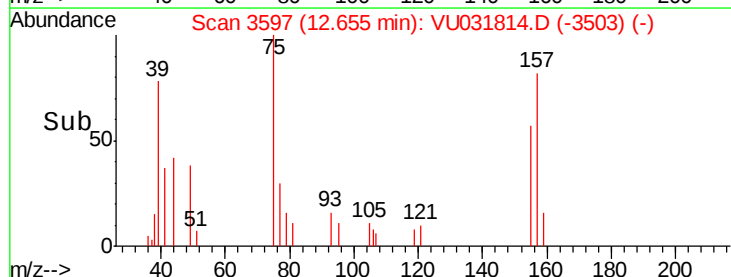
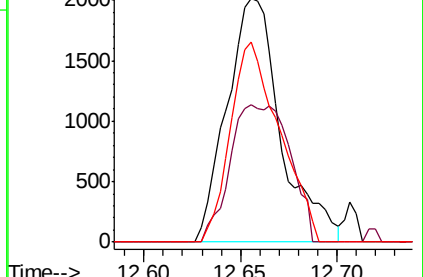
157 82.1 54.9 82.3

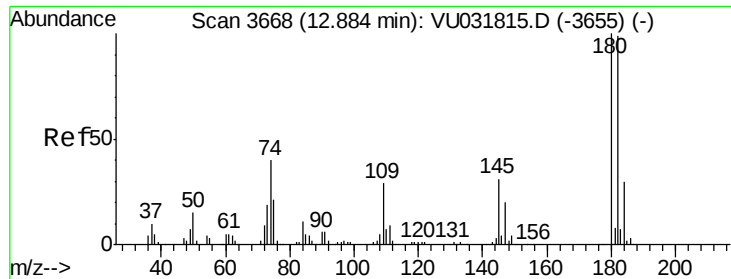


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

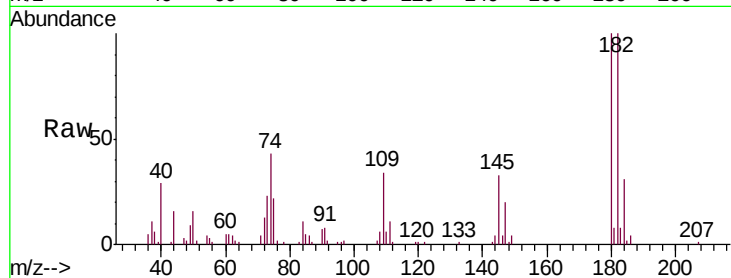




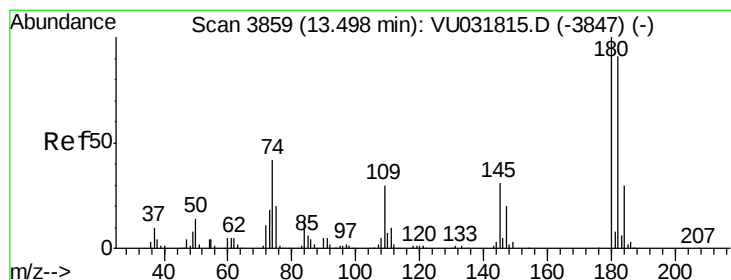
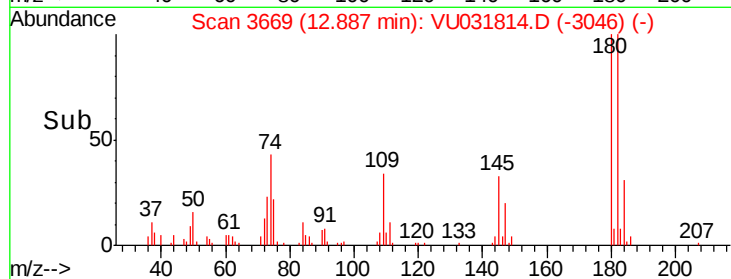
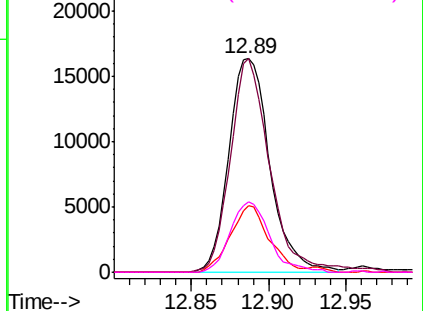
#67
 1,3,5-Trichlorobenzene
 Concen: 1.011 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	180	Resp:	30090
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
184	29.7	24.1	36.1
145	31.7	24.5	36.7

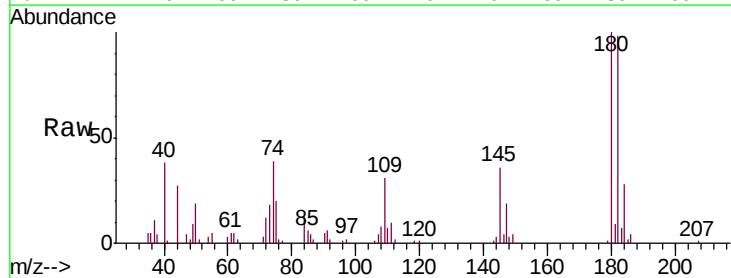


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

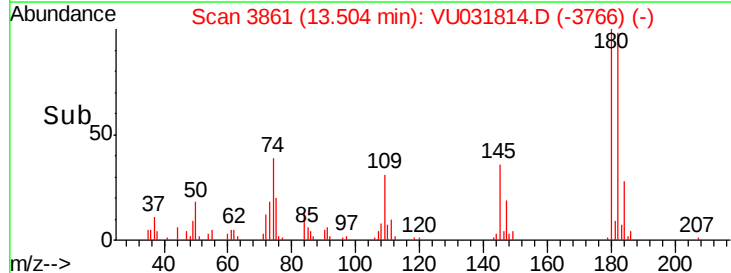
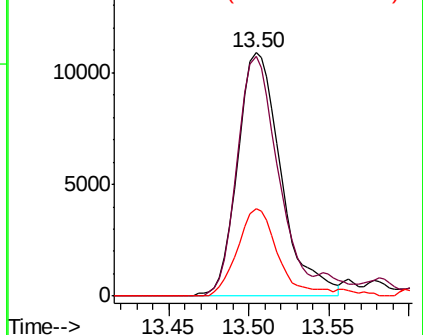


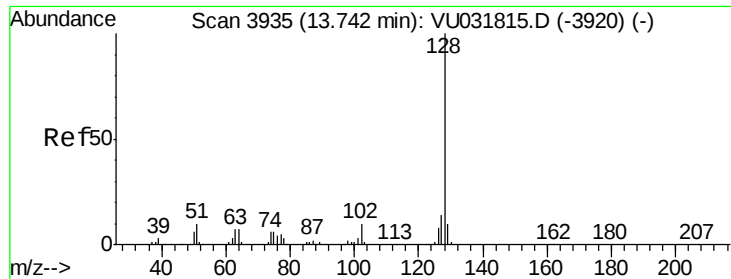
#68
 1,2,4-trichlorobenzene
 Concen: 0.869 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU031814.D
 Acq: 08 May 2019 10:31

Tgt Ion:	180	Resp:	20181
Ion	Ratio	Lower	Upper
180	100		
182	92.0	74.8	112.2
145	32.3	25.4	38.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.579 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

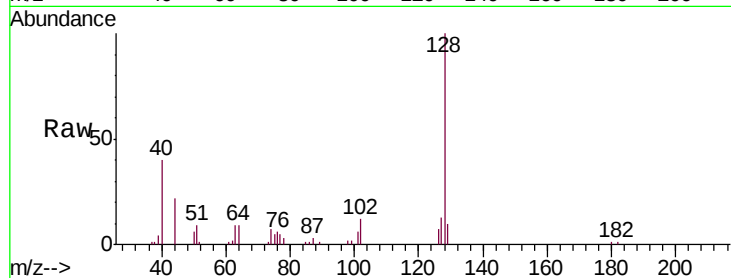
Tgt Ion:128 Resp: 25356

Ion Ratio Lower Upper

128 100

129 11.2 8.0 12.0

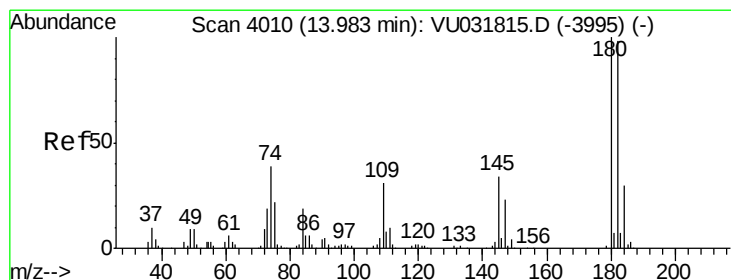
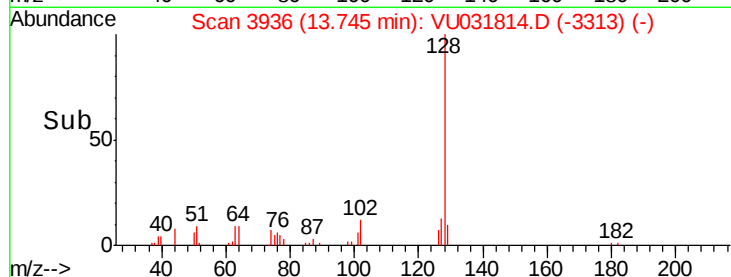
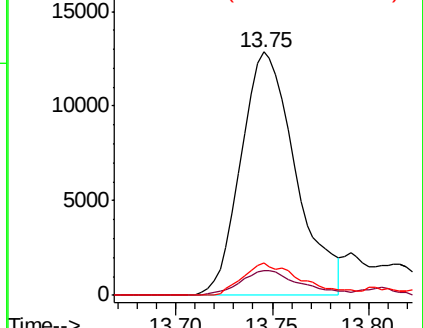
127 14.2 10.7 16.1



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: 0.895 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU031814.D

Acq: 08 May 2019 10:31

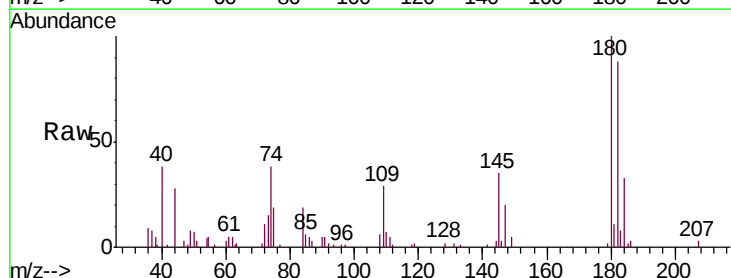
Tgt Ion:180 Resp: 20352

Ion Ratio Lower Upper

180 100

182 99.0 78.4 117.6

145 32.4 27.4 41.0



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

