

Data File : VU032424.D
Acq On : 04 Jun 2019 13:39
Operator : JC/SP
Sample : VSTD01012
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

Quant Time: Jun 04 22:36:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:32:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	107273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	101817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53170	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	69349	8.19	ug/L	0.00
7) Chloroethane-d5	1.68	69	58607	8.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	139101	8.00	ug/L	0.00
20) 2-Butanone-d5	4.20	46	202578	100.27	ug/L	0.00
24) Chloroform-d	4.64	84	126466	9.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	65796	10.11	ug/L	0.00
32) Benzene-d6	5.33	84	249816	9.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	76101	8.96	ug/L	0.00
41) Toluene-d8	7.56	98	232589	9.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	34147	9.75	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	169128	99.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65202	9.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	92695	9.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	87124	9.799 ug/L	98
3) Chloromethane	1.32	50	88568	8.345 ug/L	98
5) Vinyl chloride	1.40	62	90337	8.515 ug/L	100
6) Bromomethane	1.63	94	53327	8.219 ug/L	99
8) Chloroethane	1.69	64	57695	8.700 ug/L	97
9) Trichlorofluoromethane	1.88	101	131127	9.215 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67740	8.336 ug/L	99
12) 1,1-Dichloroethene	2.28	96	64852	8.178 ug/L	93
13) Acetone	2.34	43	141682	86.983 ug/L	99
14) Carbon disulfide	2.47	76	206749	7.602 ug/L	100
15) Methyl Acetate	2.62	43	36387	7.780 ug/L	98
16) Methylene chloride	2.69	84	69374	6.992 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	190908	8.626 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	67981	7.908 ug/L	95
19) 1,1-Dichloroethane	3.43	63	125980	9.429 ug/L	98
21) 2-Butanone	4.28	43	216872	99.458 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	78533	9.999 ug/L	96
23) Bromochloromethane	4.54	128	35086	10.005 ug/L	97
25) Chloroform	4.67	83	130603	10.031 ug/L	96
27) 1,2-Dichloroethane	5.40	62	84854	10.141 ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	119055	10.391 ug/L	98
30) Cyclohexane	4.98	56	123462	9.349 ug/L	99
31) Carbon tetrachloride	5.13	117	107746	10.670 ug/L	100
33) Benzene	5.38	78	284528	9.484 ug/L	100
34) Trichloroethene	6.18	95	78115	9.366 ug/L	98
35) Methylcyclohexane	6.41	83	129276	10.279 ug/L	98
37) 1,2-Dichloropropane	6.43	63	73578	9.336 ug/L	98
38) Bromodichloromethane	6.75	83	96032	10.088 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	118532	10.428 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	531220	101.163 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	314751	9.680	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	93959	10.616	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	53577	9.733	ug/L	97
47) Tetrachloroethene	8.22	164	65576	10.290	ug/L	94
48) 2-Hexanone	8.36	43	380054	103.839	ug/L	99
49) Dibromochloromethane	8.47	129	70018	10.519	ug/L	99
50) 1,2-Dibromoethane	8.58	107	54320	10.178	ug/L	98
51) Chlorobenzene	9.11	112	201843	10.025	ug/L	99
52) Ethylbenzene	9.24	91	352074	10.134	ug/L	99
53) m,p-Xylene	9.37	106	134843	10.258	ug/L	99
54) o-Xylene	9.77	106	132964	10.383	ug/L	100
55) Styrene	9.79	104	224126	10.476	ug/L	100
56) Isopropylbenzene	10.16	105	354415	10.560	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	68208	9.801	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	48386	9.865	ug/L	98
61) Bromoform	9.95	173	41345	9.815	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	165044	10.075	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	167798	10.118	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	159537	10.048	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	11826	9.999	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	134963	10.155	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	118265	10.795	ug/L	98
69) Naphthalene	13.74	128	216335	6.697	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	108374	10.234	ug/L	97

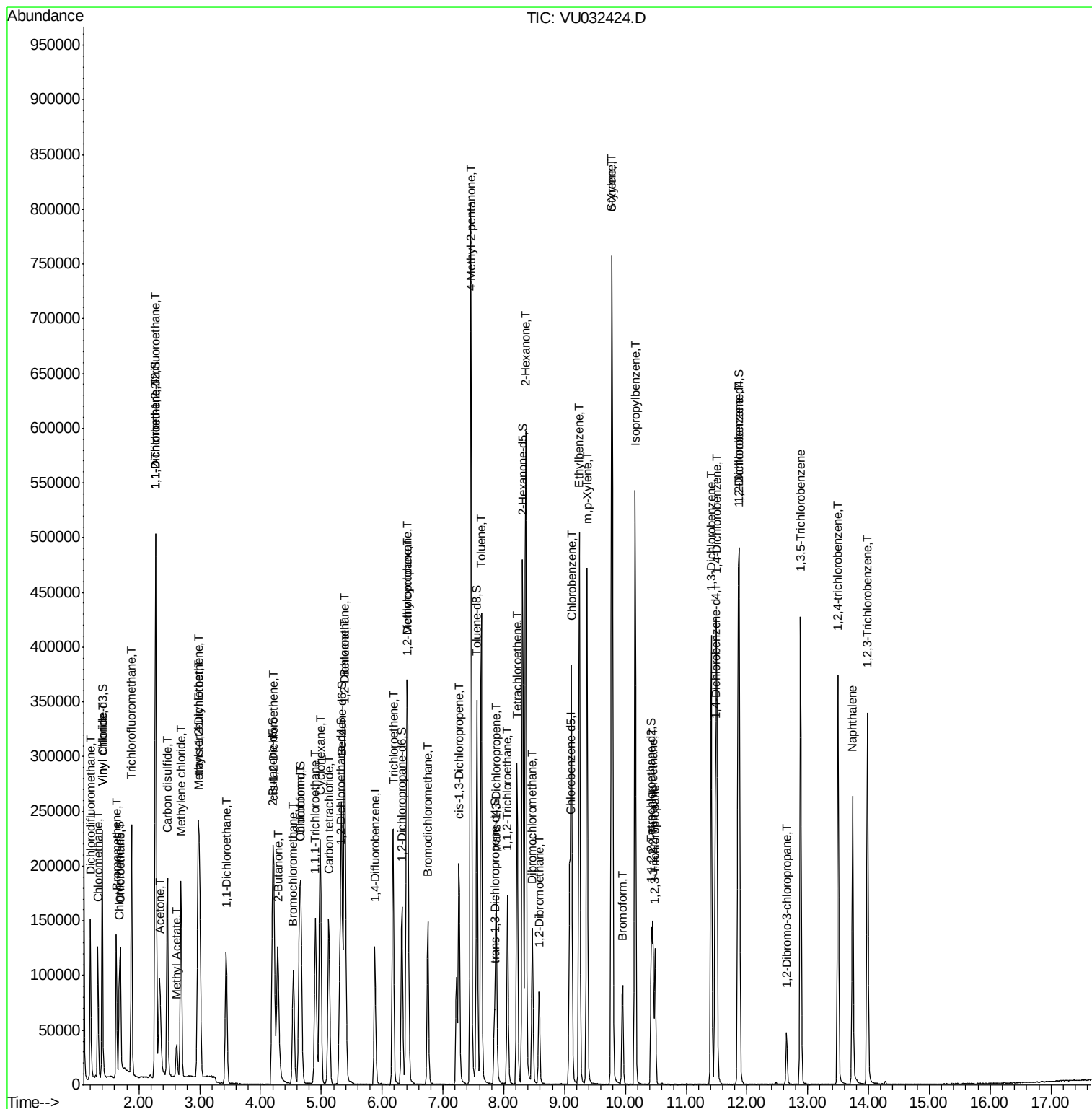
(#) = qualifier out of range (m) = manual integration (+) = signals summed

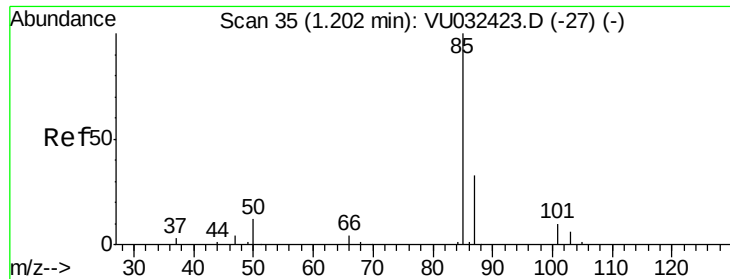
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#2

Dichlorodifluoromethane

Concen: 9.799 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

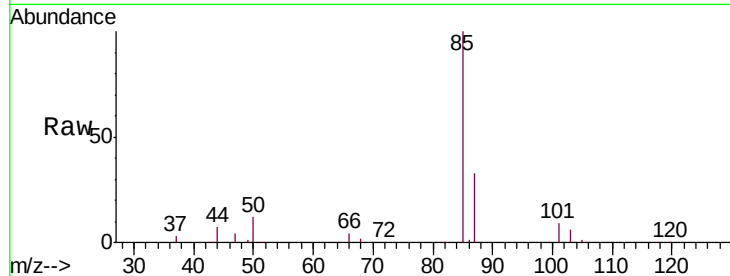
VSTD01012

Tgt Ion: 85 Resp: 87124

Ion Ratio Lower Upper

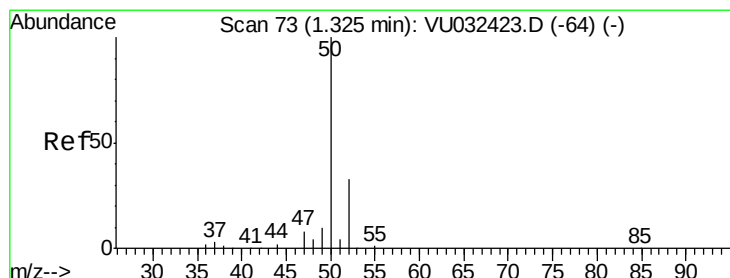
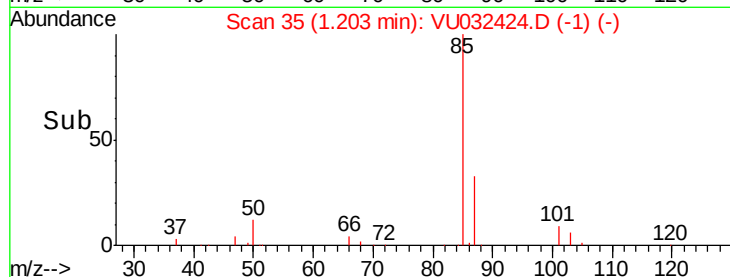
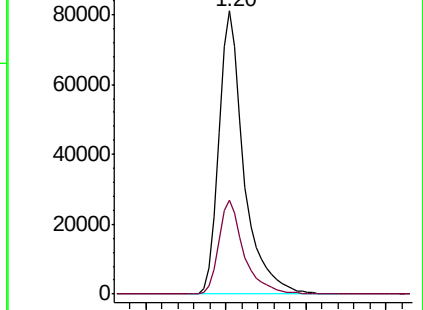
85 100

87 33.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032423.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032423.D (-27) (-)



#3

Chloromethane

Concen: 8.345 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032424.D

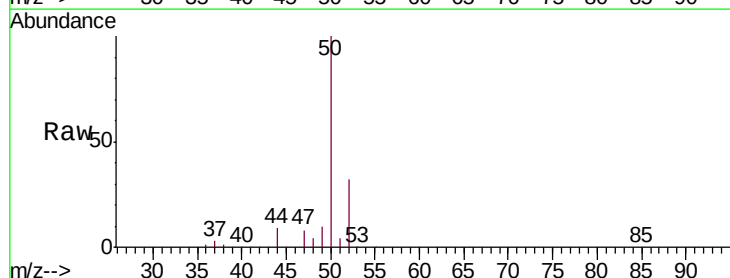
Acq: 04 Jun 2019 13:39

Tgt Ion: 50 Resp: 88568

Ion Ratio Lower Upper

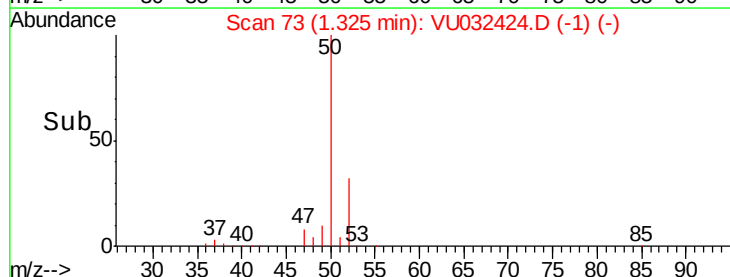
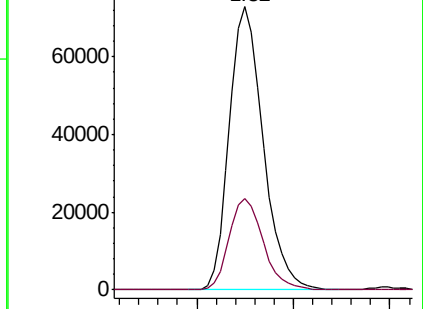
50 100

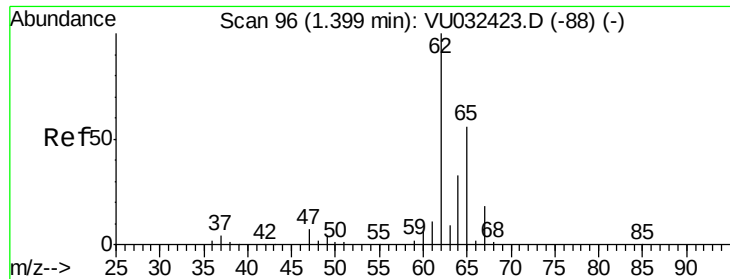
52 32.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032423.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032423.D (-64) (-)





#5

Vinyl chloride

Concen: 8.515 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

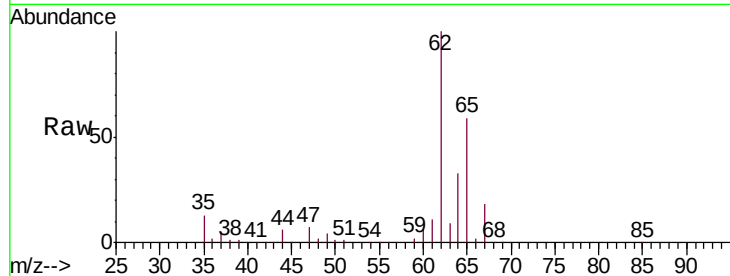
VSTD01012

Tgt Ion: 62 Resp: 90337

Ion Ratio Lower Upper

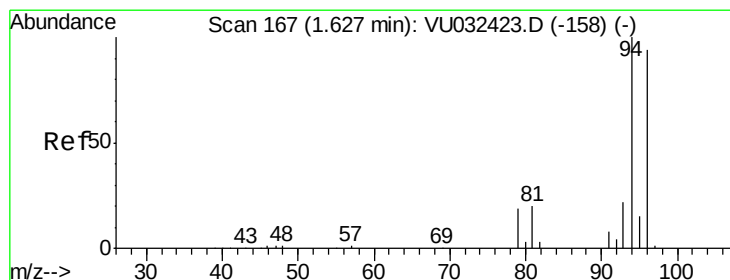
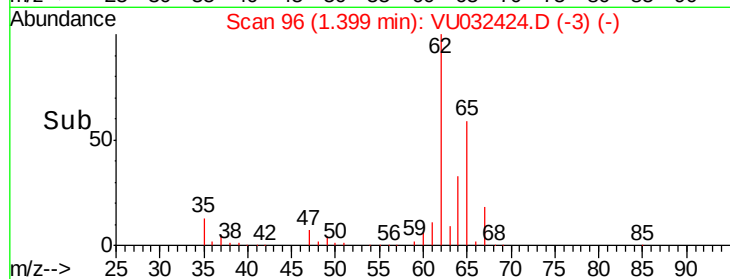
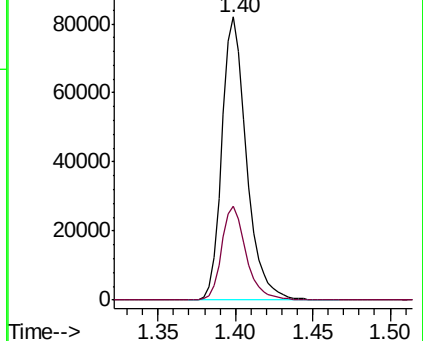
62 100

64 33.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032423.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032423.D (-88) (-)



#6

Bromomethane

Concen: 8.219 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032424.D

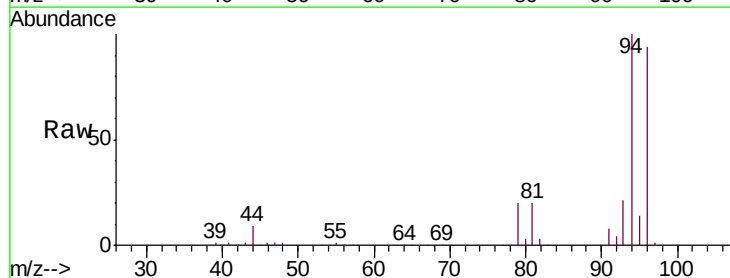
Acq: 04 Jun 2019 13:39

Tgt Ion: 94 Resp: 53327

Ion Ratio Lower Upper

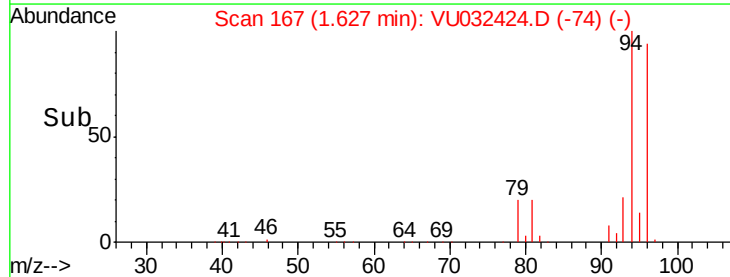
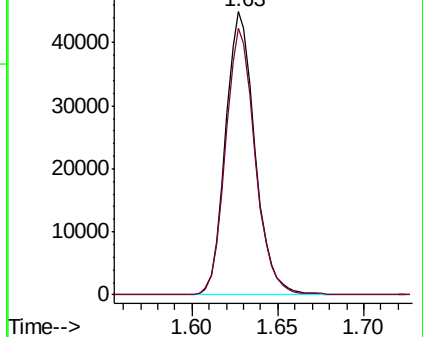
94 100

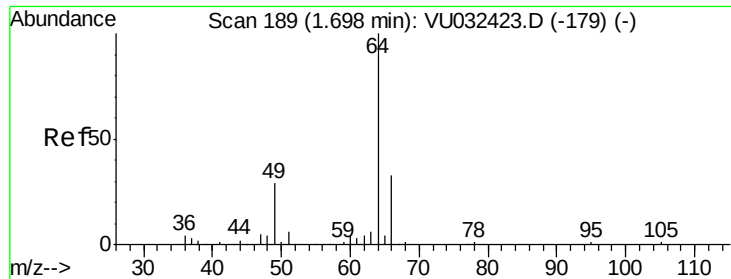
96 94.1 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032423.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032423.D (-158) (-)





#8

Chloroethane

Concen: 8.700 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

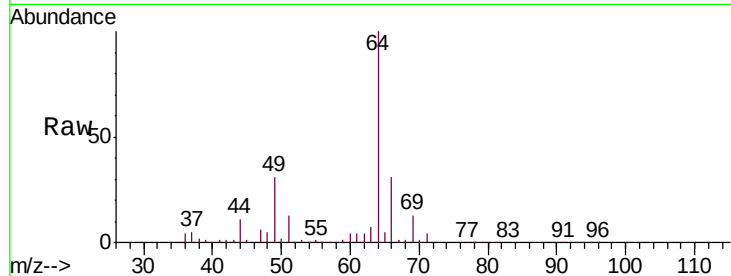
VSTD01012

Tgt Ion: 64 Resp: 57695

Ion Ratio Lower Upper

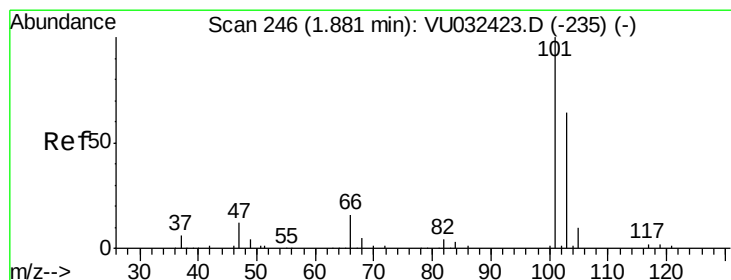
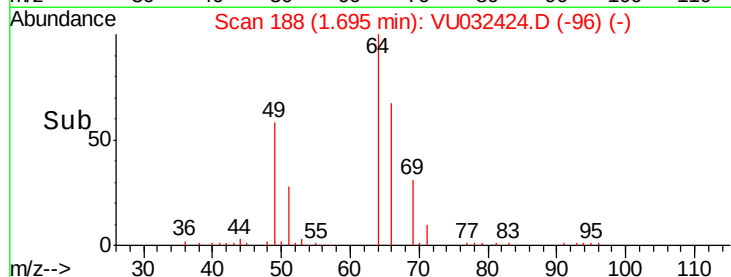
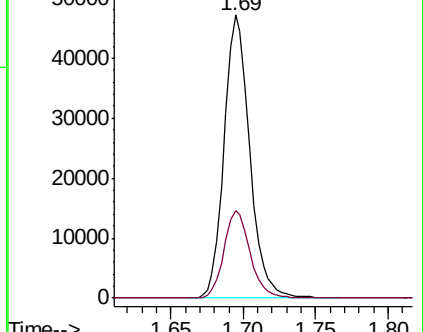
64 100

66 31.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032423.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032423.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 9.215 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032424.D

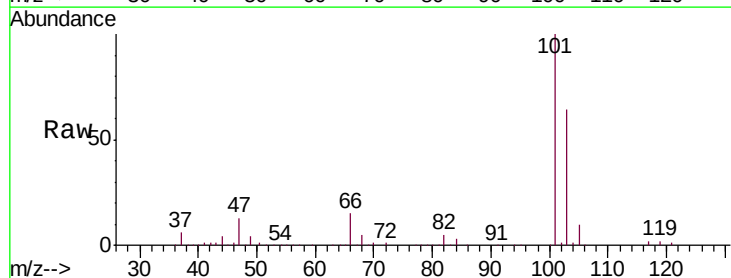
Acq: 04 Jun 2019 13:39

Tgt Ion: 101 Resp: 131127

Ion Ratio Lower Upper

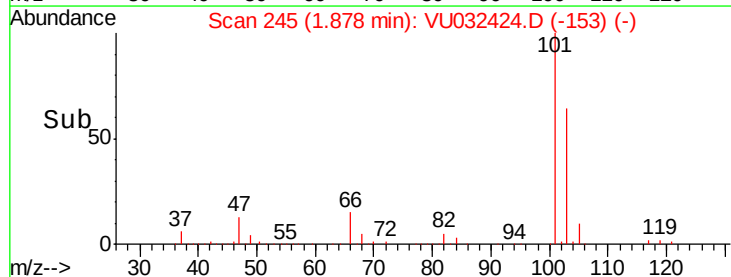
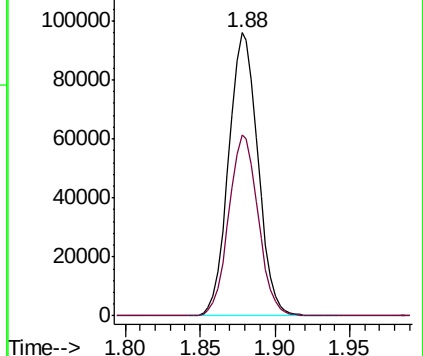
101 100

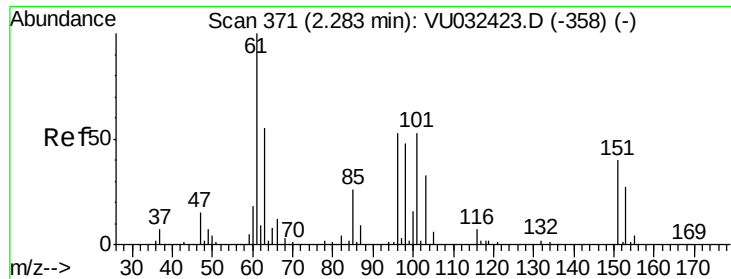
103 64.3 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032423.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032423.D (-235) (-)





#10

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

Concen: 8.336 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01012

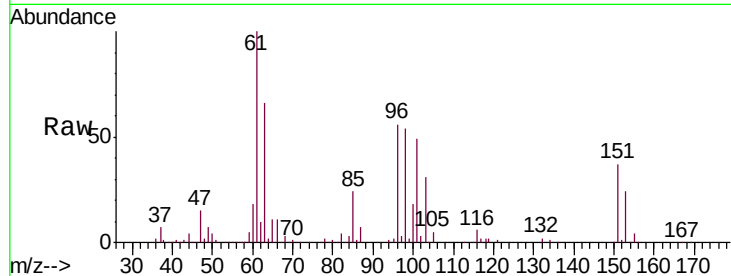
Tgt Ion:101 Resp: 67740

Ion Ratio Lower Upper

101 100

85 47.5 38.9 58.3

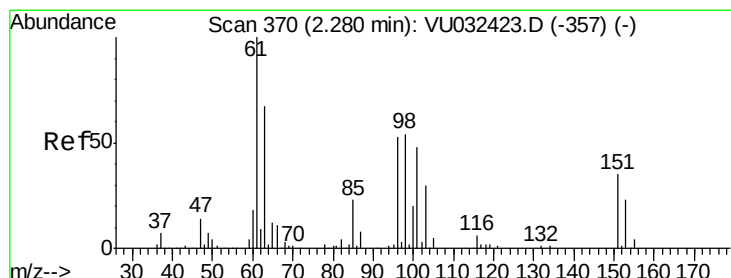
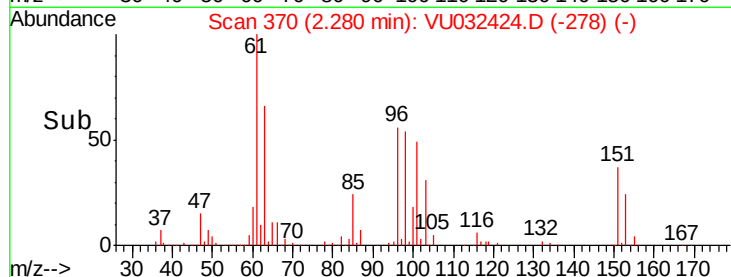
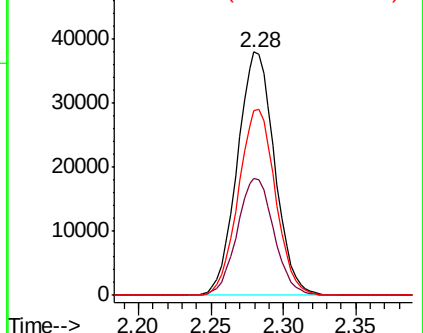
151 76.0 61.0 91.4



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: 8.178 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

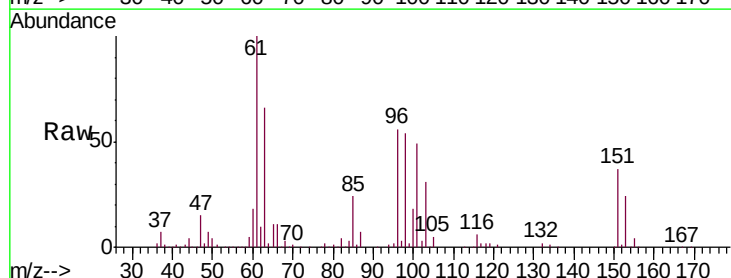
Tgt Ion: 96 Resp: 64852

Ion Ratio Lower Upper

96 100

61 180.1 131.8 244.8

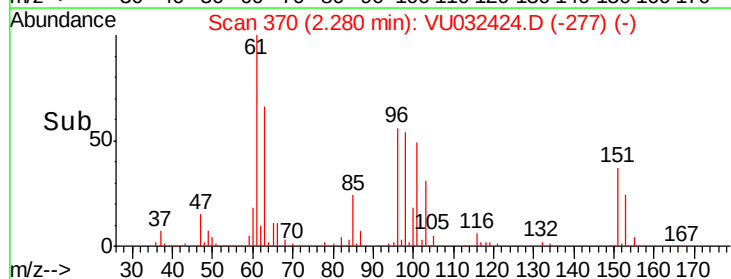
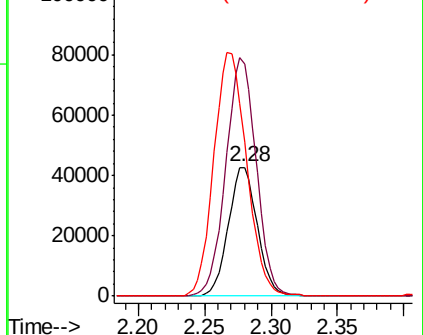
63 119.3 90.1 167.3

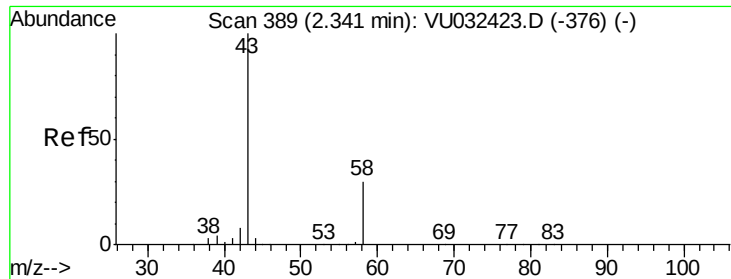


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.983 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

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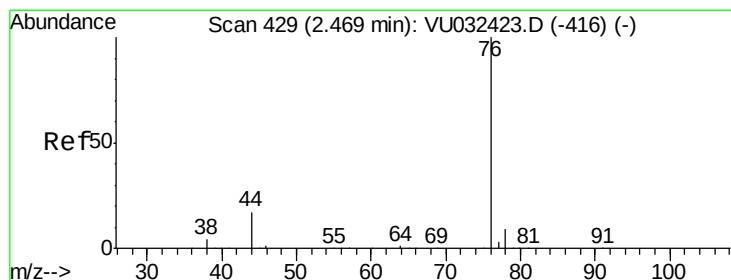
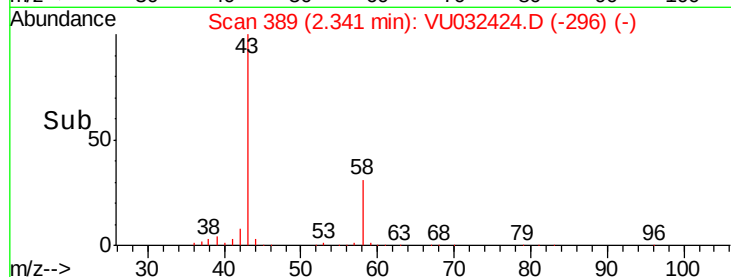
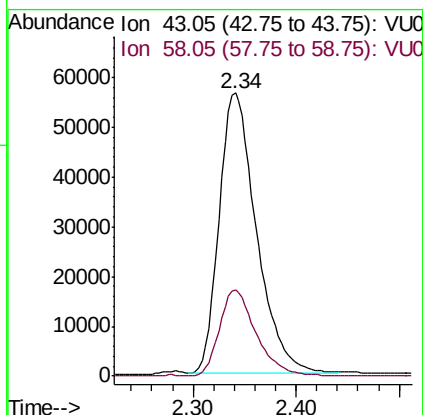
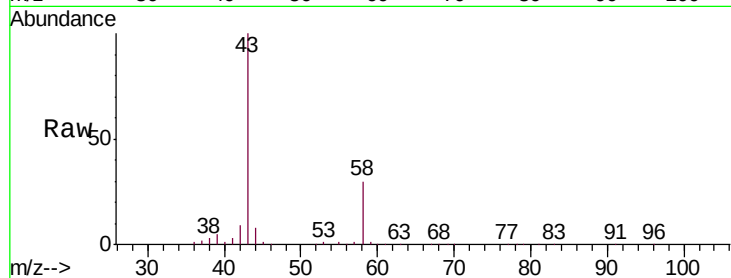
VSTD01012

Tgt Ion: 43 Resp: 141682

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.8



#14

Carbon disulfide

Concen: 7.602 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032424.D

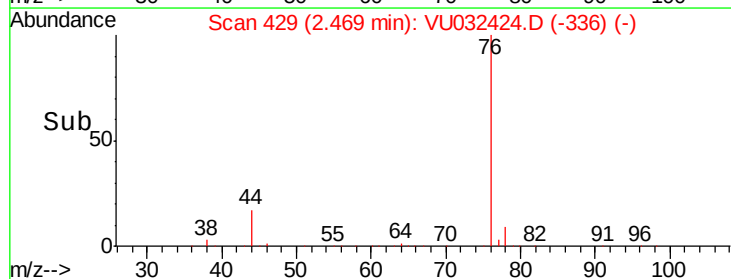
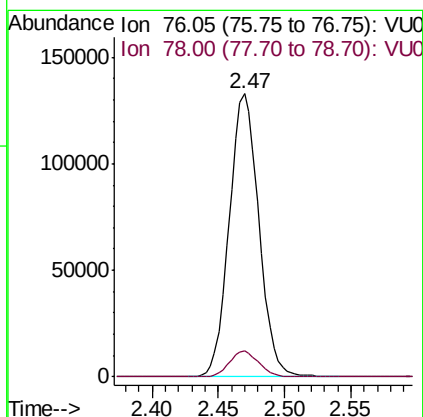
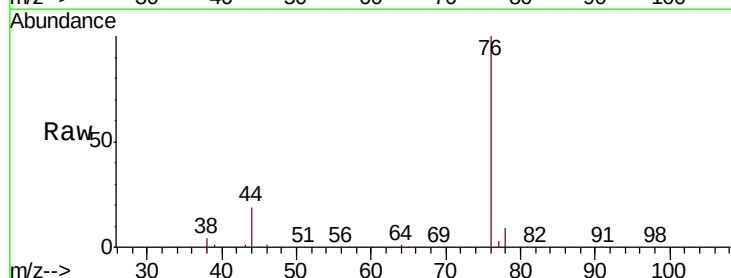
Acq: 04 Jun 2019 13:39

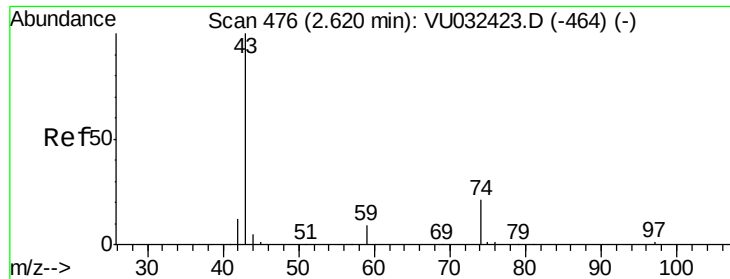
Tgt Ion: 76 Resp: 206749

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 7.780 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

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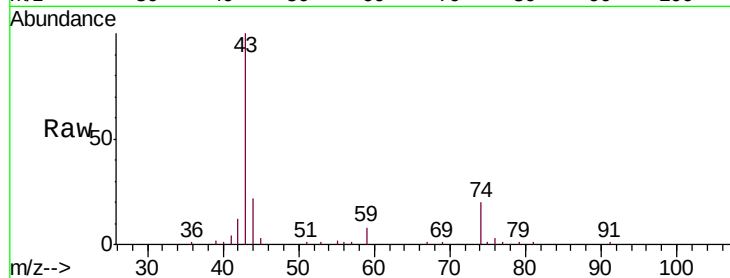
VSTD01012

Tgt Ion: 43 Resp: 36387

Ion Ratio Lower Upper

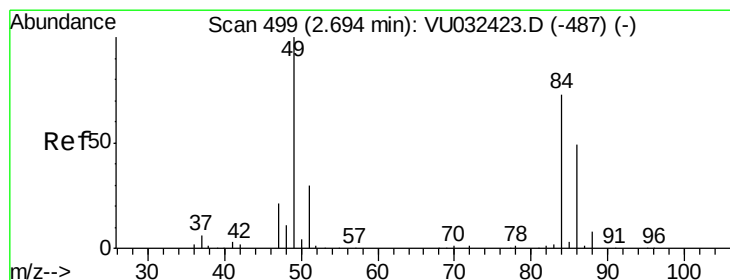
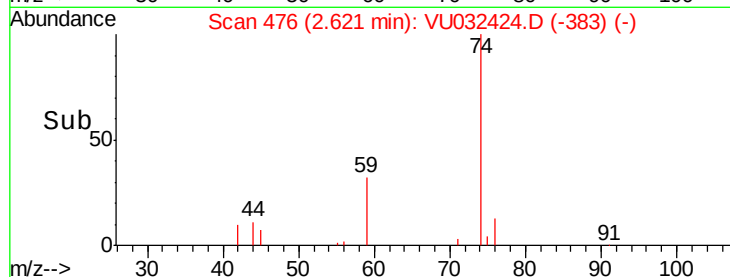
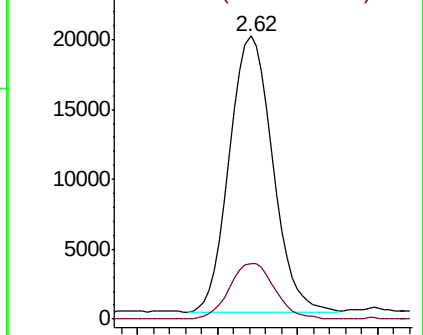
43 100

74 21.2 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 6.992 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

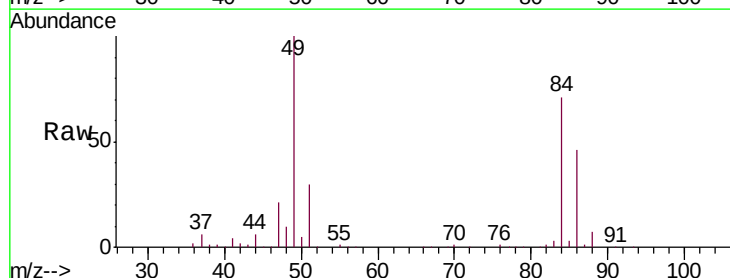
Tgt Ion: 84 Resp: 69374

Ion Ratio Lower Upper

84 100

86 65.5 47.2 87.6

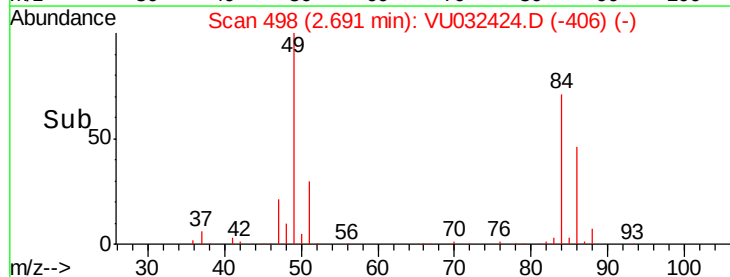
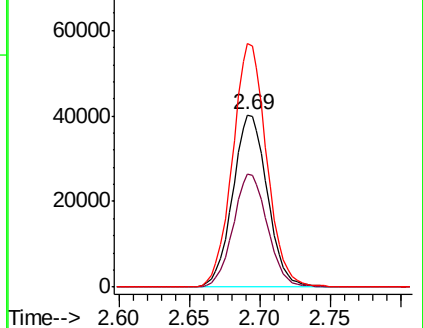
49 141.2 95.9 178.1

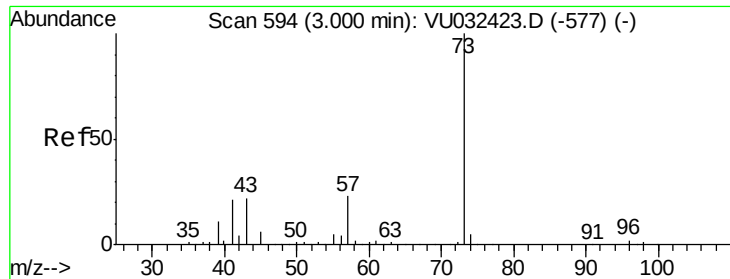


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

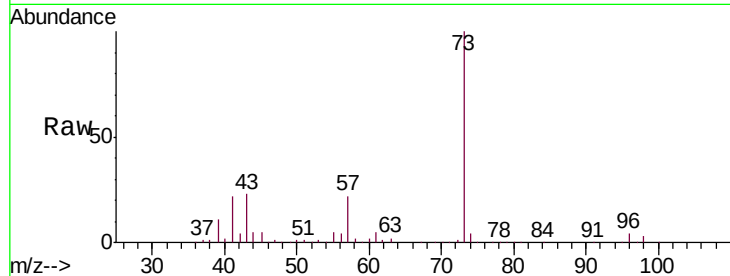




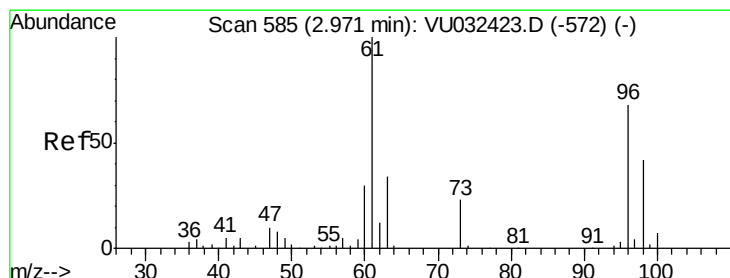
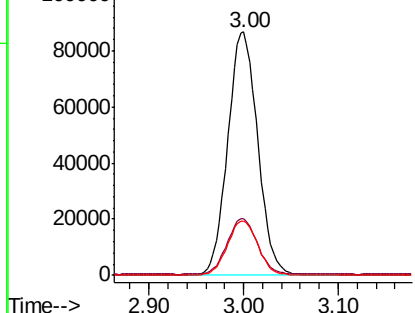
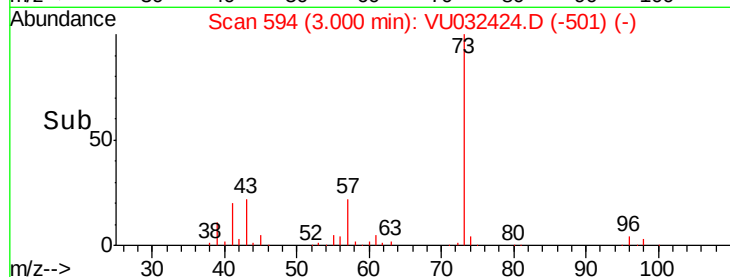
#17
Methyl tert-butyl Ether
Concen: 8.626 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

Tgt Ion: 73 Resp: 190908
Ion Ratio Lower Upper
73 100
43 22.9 18.6 27.8
57 22.4 18.3 27.5

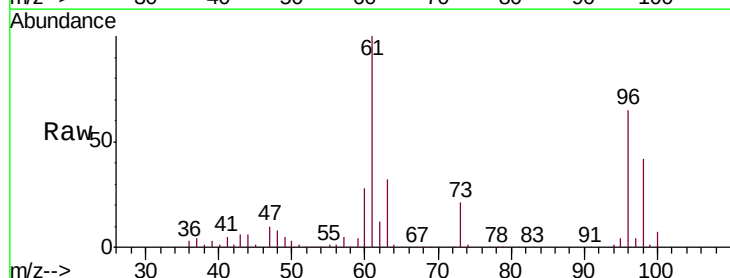


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

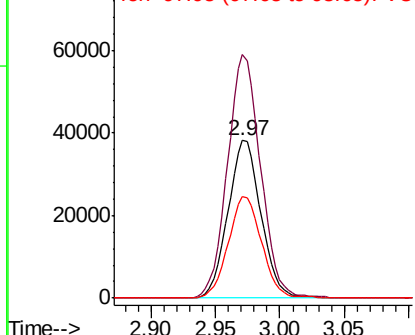
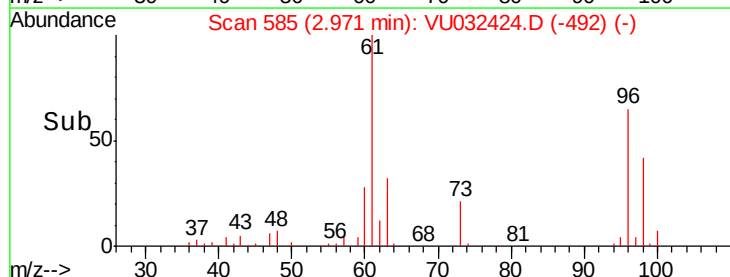


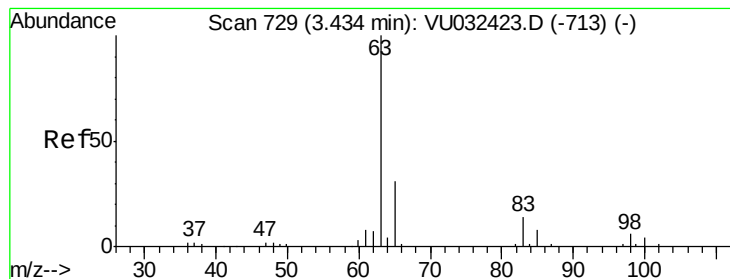
#18
trans-1,2-Dichloroethene
Concen: 7.908 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion: 96 Resp: 67981
Ion Ratio Lower Upper
96 100
61 154.6 103.1 191.5
98 64.3 43.7 81.1



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: 9.429 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01012

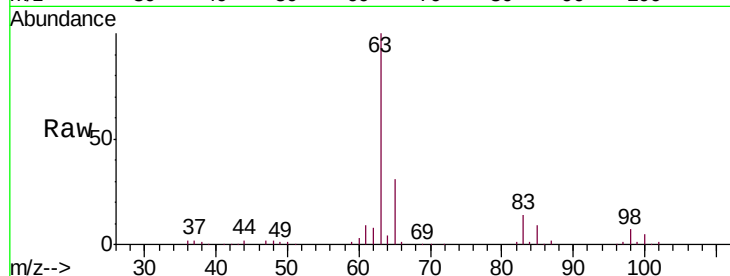
Tgt Ion: 63 Resp: 125980

Ion Ratio Lower Upper

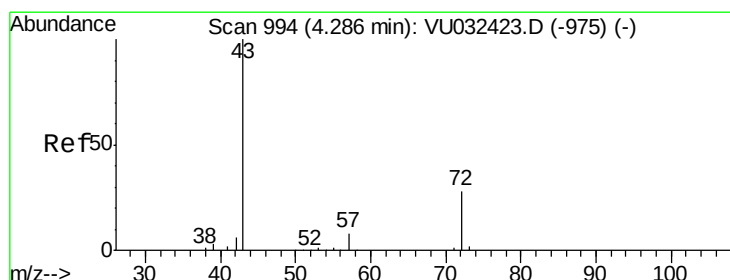
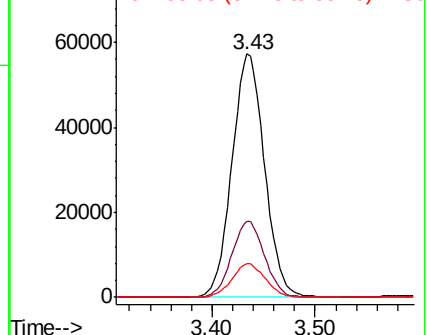
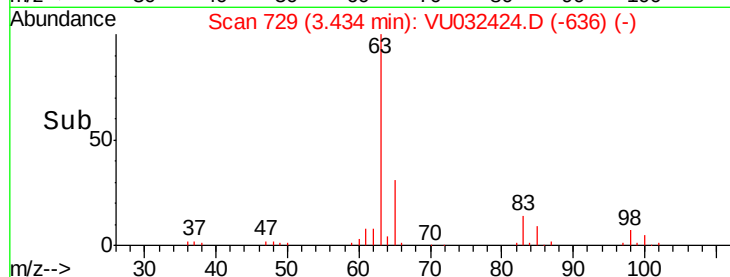
63 100

65 31.3 21.3 39.6

83 13.7 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032424.D (-636) (-)



#21

2-Butanone

Concen: 99.458 ug/L

RT: 4.28 min Scan# 993

Delta R.T. -0.00 min

Lab File: VU032424.D

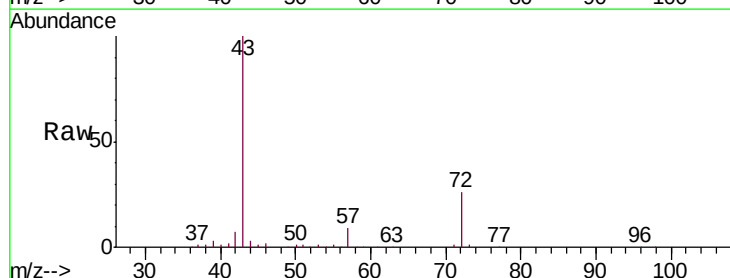
Acq: 04 Jun 2019 13:39

Tgt Ion: 43 Resp: 216872

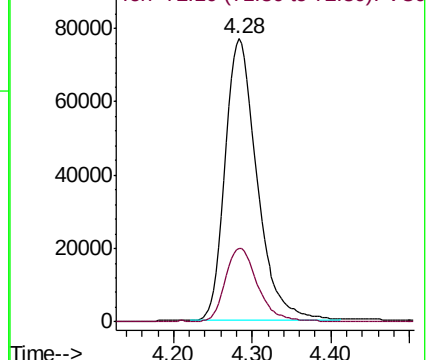
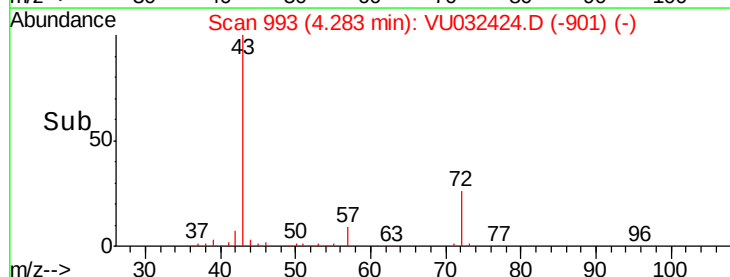
Ion Ratio Lower Upper

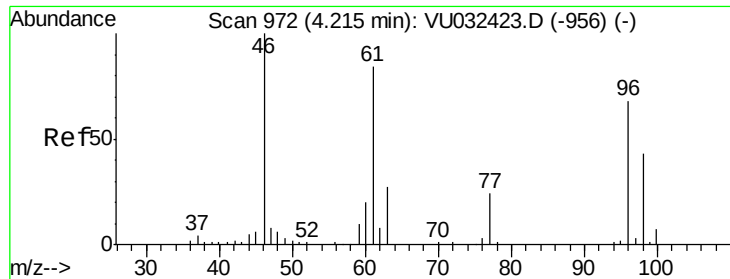
43 100

72 25.7 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032424.D (-901) (-)



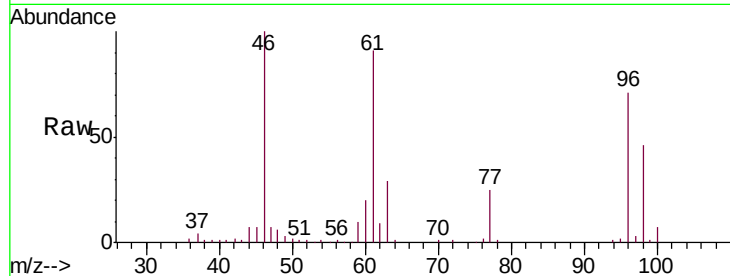


#22

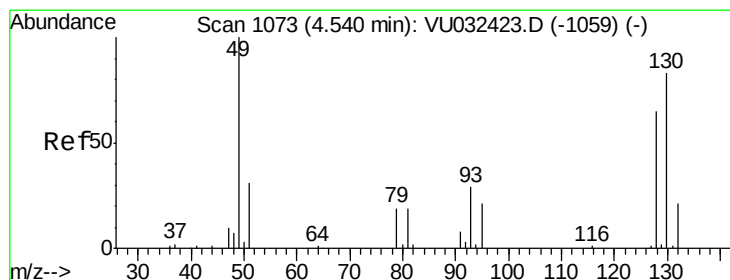
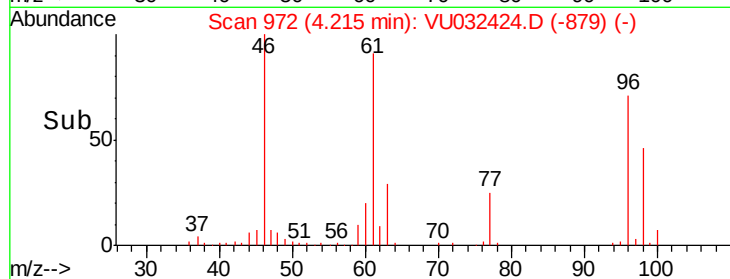
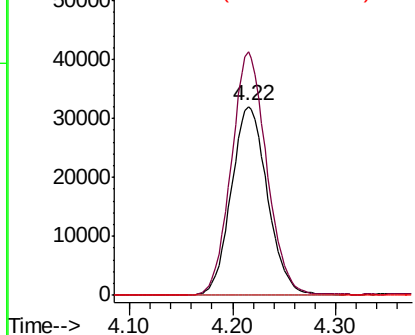
cis-1,2-Dichloroethene
Concen: 9.999 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

Tgt Ion: 96 Resp: 78533
Ion Ratio Lower Upper
96 100
61 128.8 86.6 160.8
68 0.0 0.0 0.0



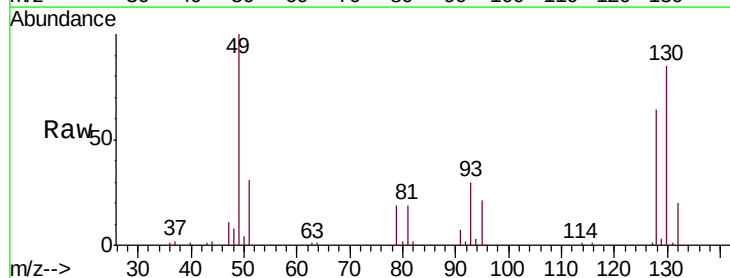
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



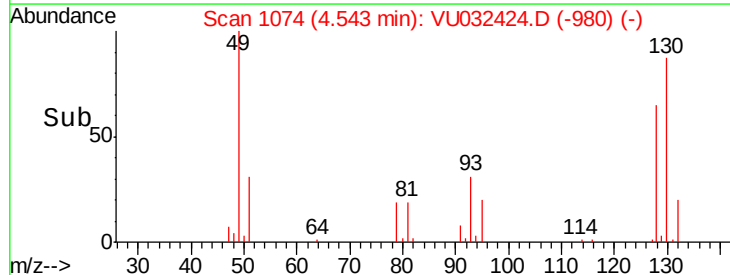
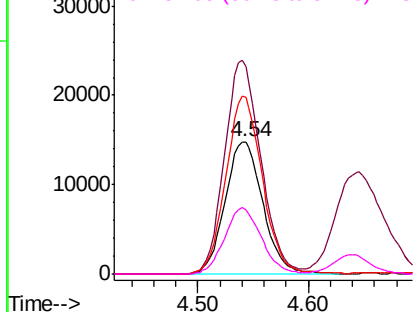
#23

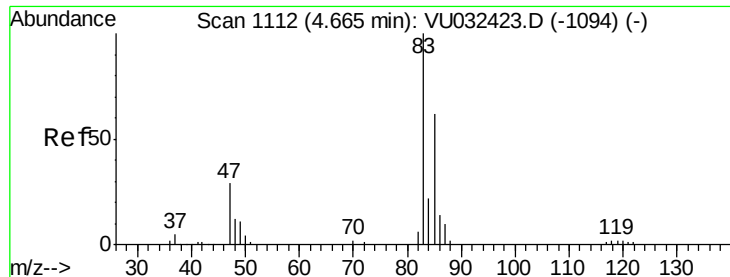
Bromochloromethane
Concen: 10.005 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion: 128 Resp: 35086
Ion Ratio Lower Upper
128 100
49 156.9 107.8 200.2
130 133.4 89.3 165.9
51 48.6 38.2 57.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

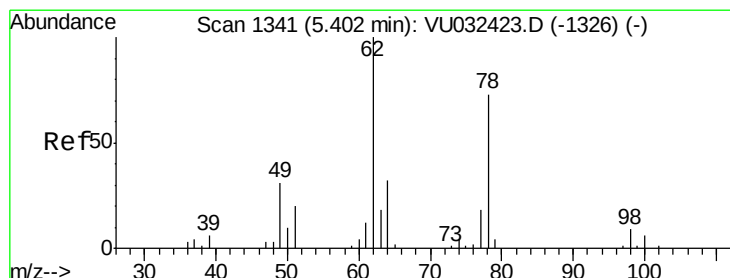
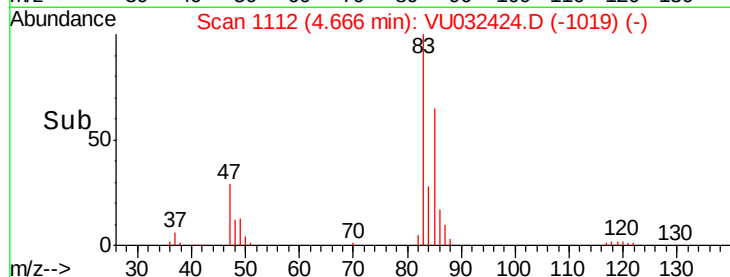
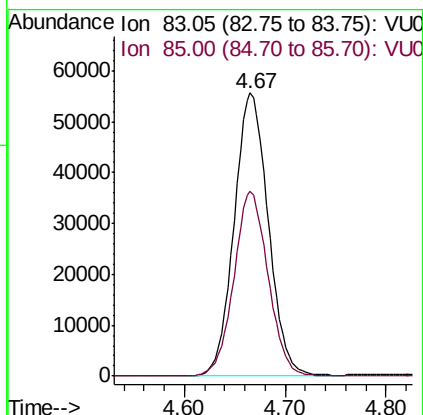
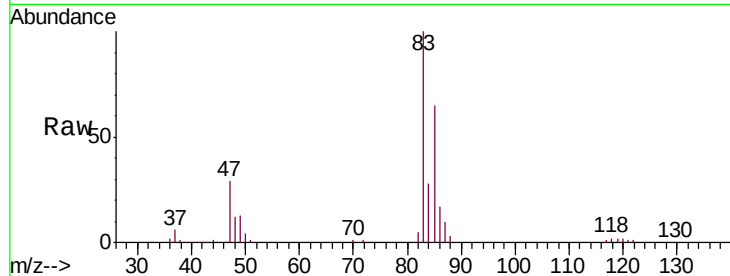




#25
Chloroform
Concen: 10.031 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

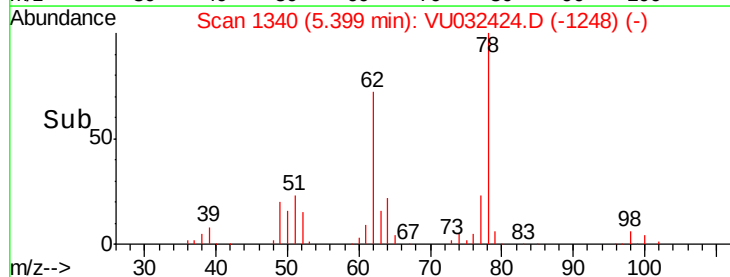
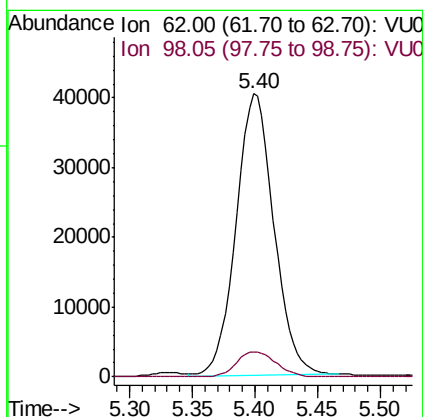
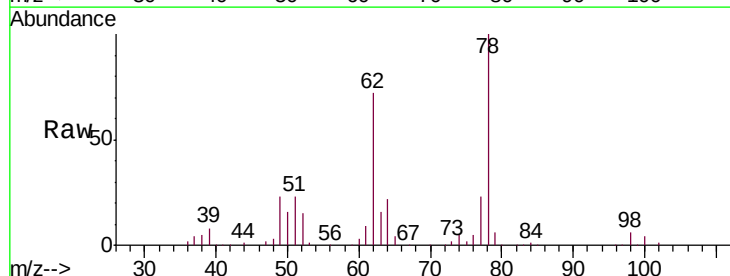
Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

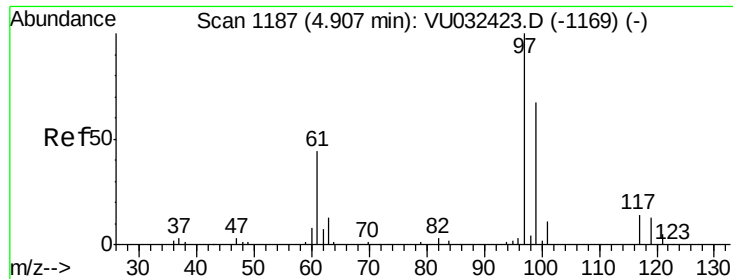
Tgt Ion: 83 Resp: 130603
Ion Ratio Lower Upper
83 100
85 65.3 43.8 81.3



#27
1,2-Dichloroethane
Concen: 10.141 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion: 62 Resp: 84854
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

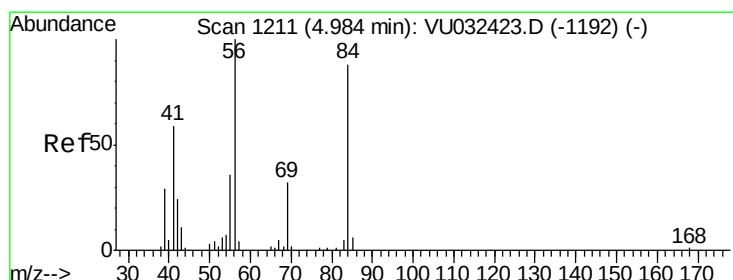
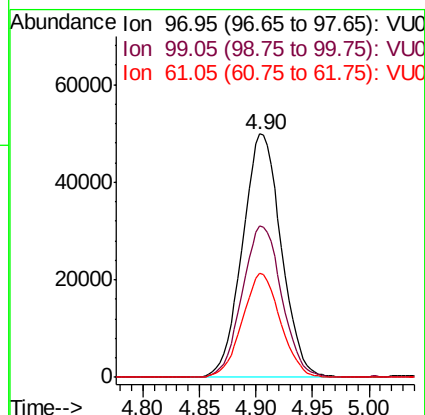
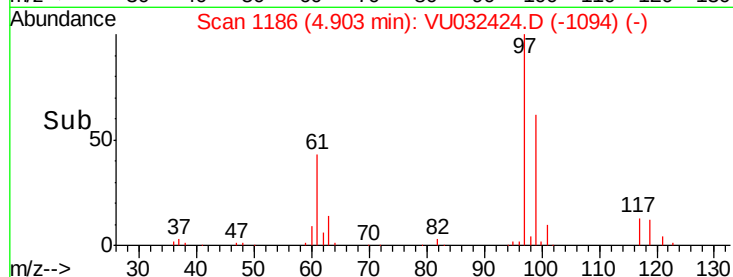
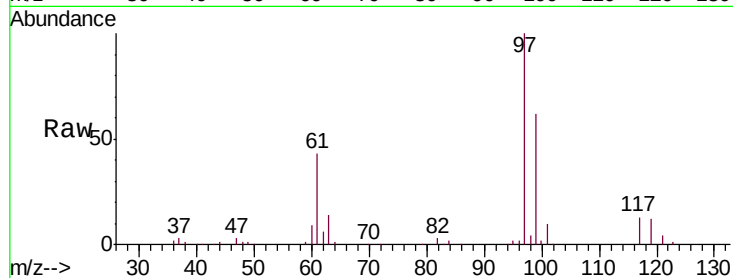




#29
1,1,1-Trichloroethane
Concen: 10.391 ug/L
RT: 4.90 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

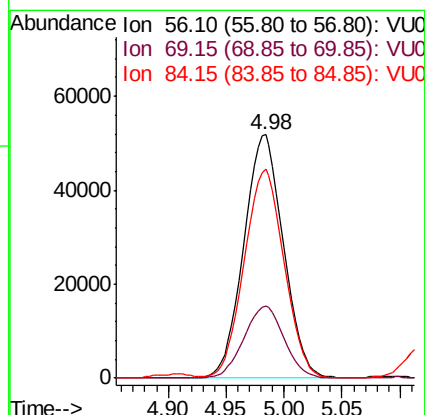
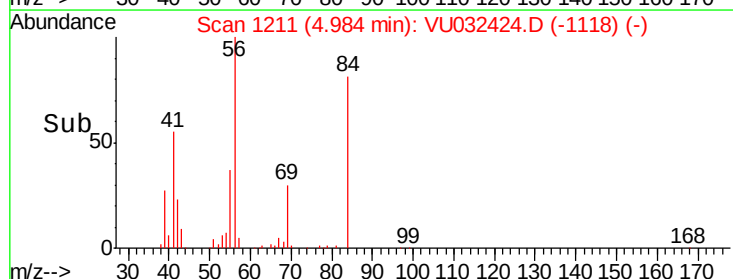
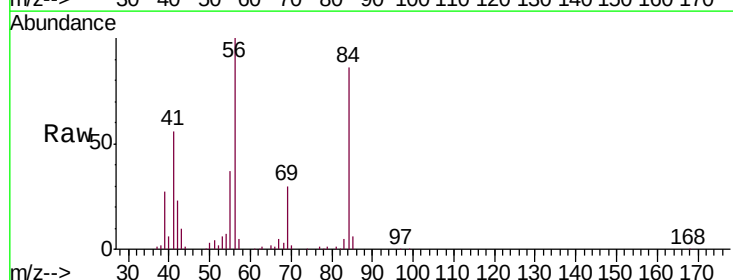
Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

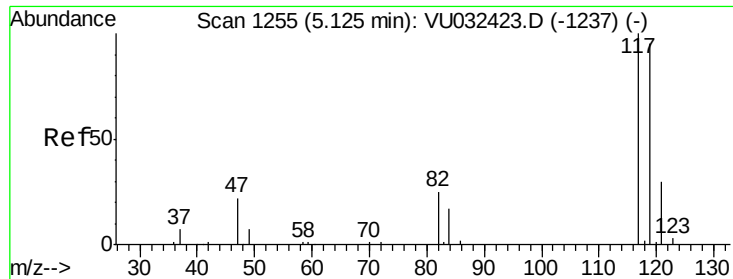
Tgt Ion: 97 Resp: 119055
Ion Ratio Lower Upper
97 100
99 63.3 51.8 77.6
61 42.0 34.7 52.1



#30
Cyclohexane
Concen: 9.349 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion: 56 Resp: 123462
Ion Ratio Lower Upper
56 100
69 30.0 24.9 37.3
84 86.5 70.2 105.2





#31

Carbon tetrachloride

Concen: 10.670 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

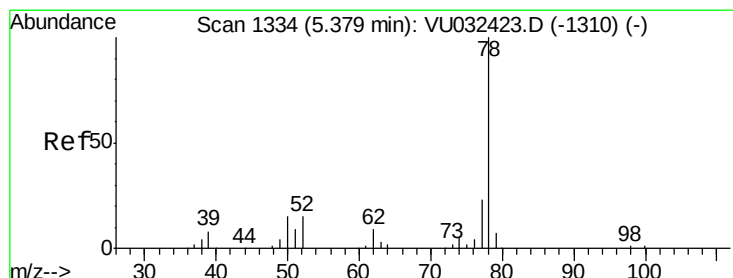
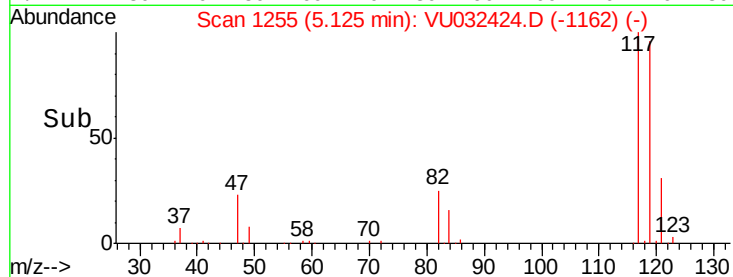
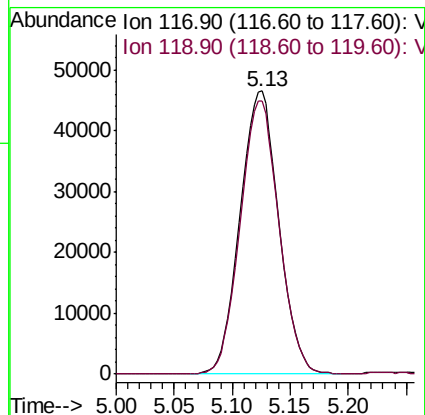
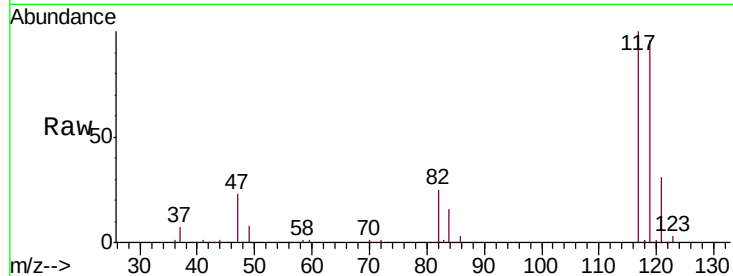
VSTD01012

Tgt Ion:117 Resp: 107746

Ion Ratio Lower Upper

117 100

119 96.7 77.8 116.6



#33

Benzene

Concen: 9.484 ug/L

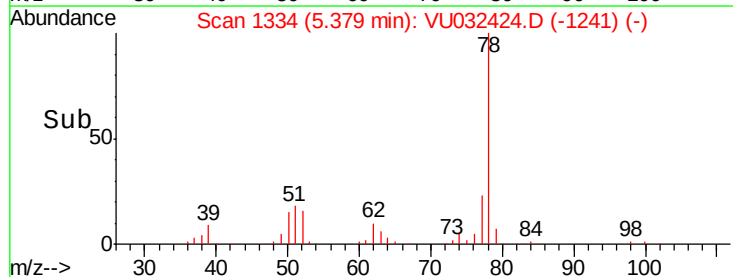
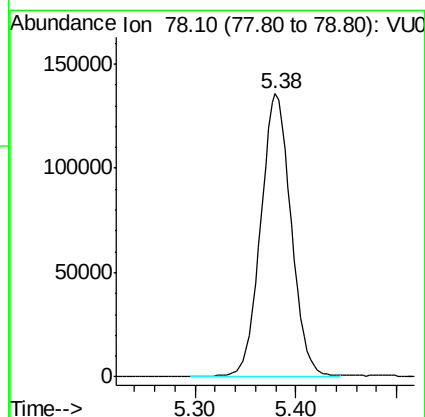
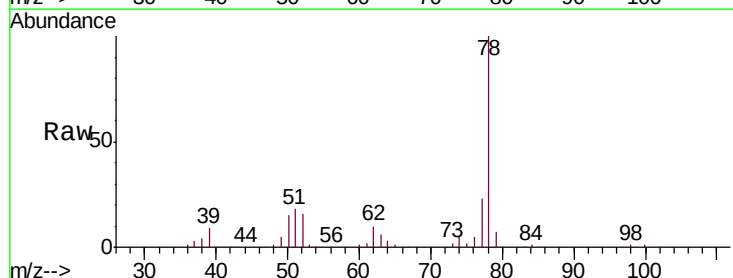
RT: 5.38 min Scan# 1334

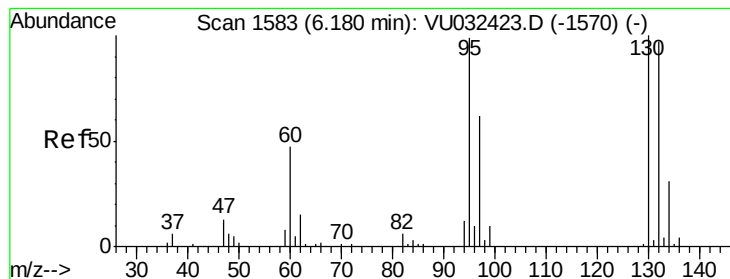
Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Tgt Ion: 78 Resp: 284528





#34

Trichloroethene

Concen: 9.366 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01012

Tgt Ion: 95 Resp: 78115

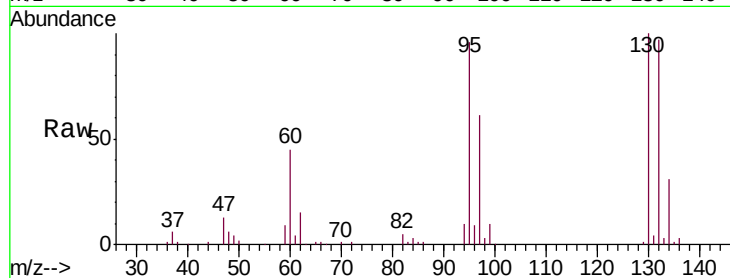
Ion Ratio Lower Upper

95 100

97 63.5 44.1 81.9

132 101.0 68.8 127.8

130 103.8 71.0 131.8

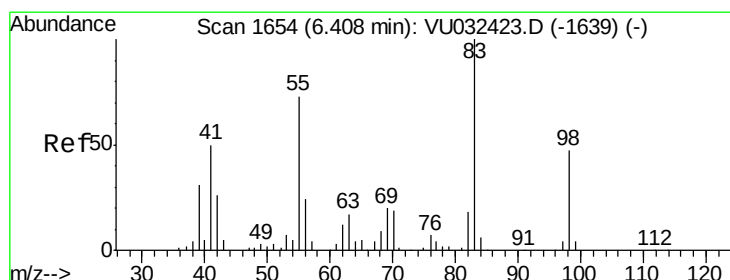
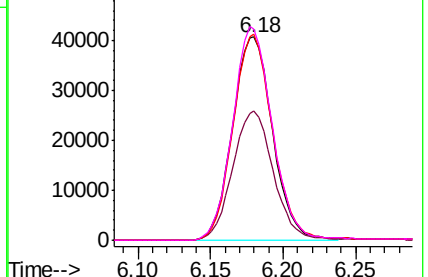
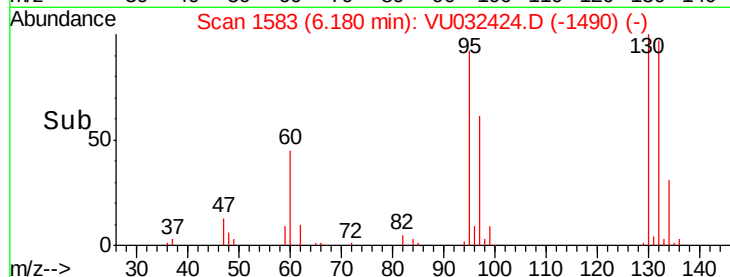


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.279 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

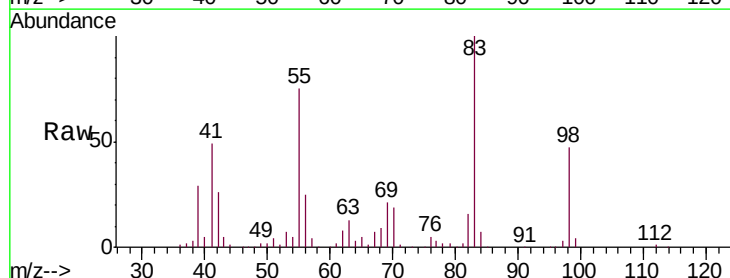
Tgt Ion: 83 Resp: 129276

Ion Ratio Lower Upper

83 100

55 77.4 60.0 90.0

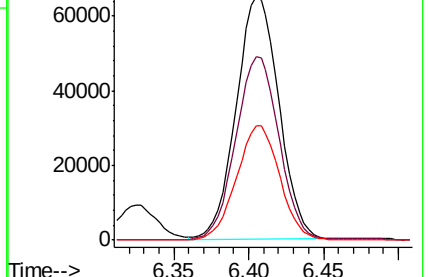
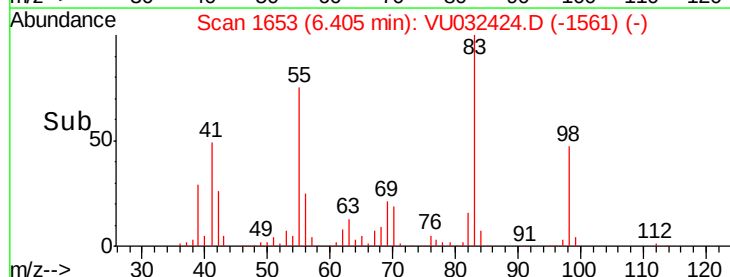
98 47.7 37.8 56.8

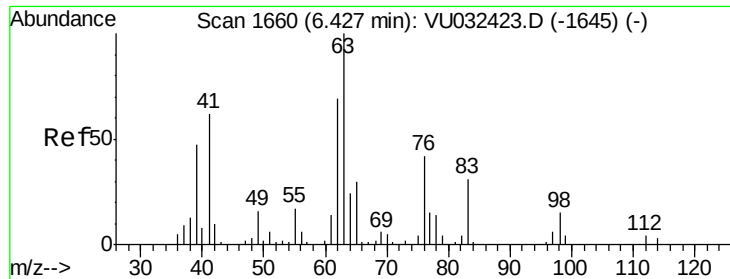


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

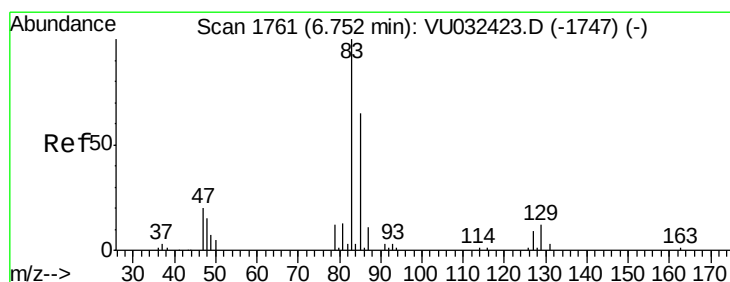
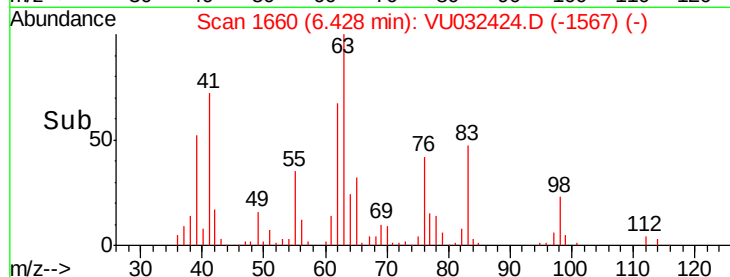
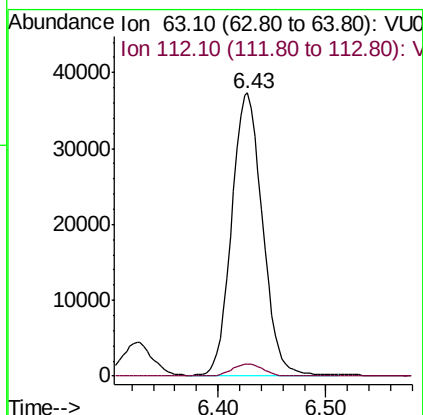
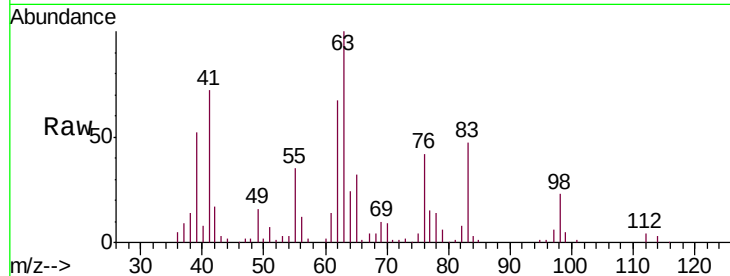




#37
 1,2-Dichloropropane
 Concen: 9.336 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

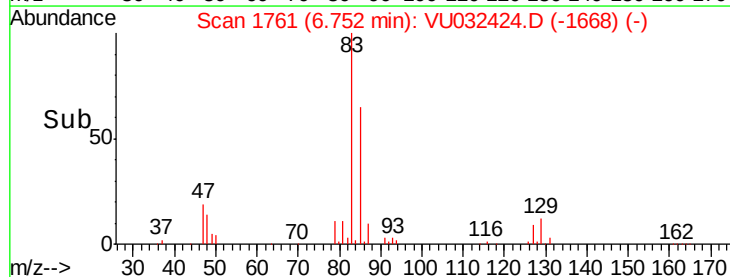
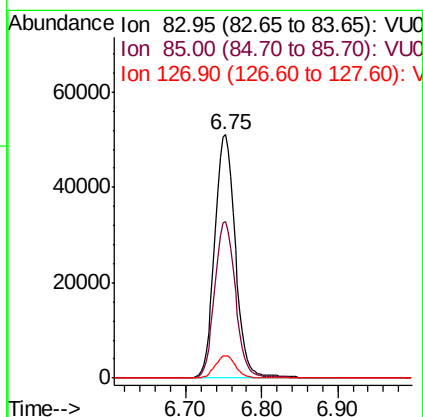
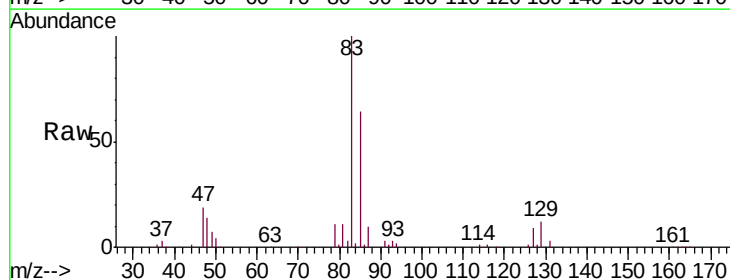
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

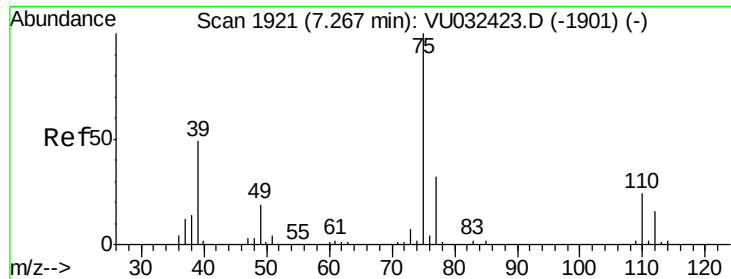
Tgt Ion: 63 Resp: 73578
 Ion Ratio Lower Upper
 63 100
 112 4.2 2.9 4.3



#38
 Bromodichloromethane
 Concen: 10.088 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion: 83 Resp: 96032
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 127 9.4 7.4 11.2

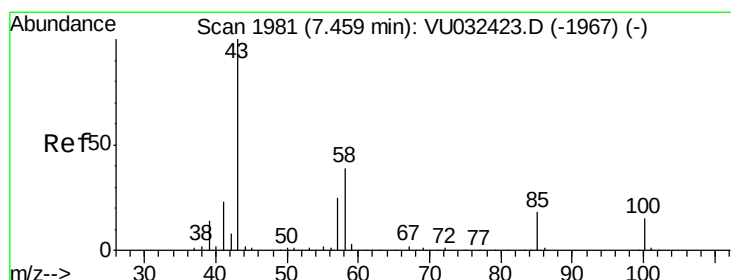
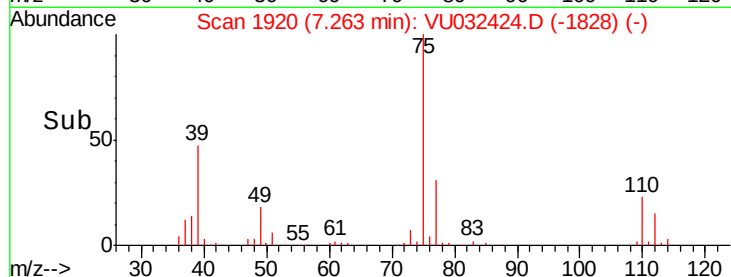
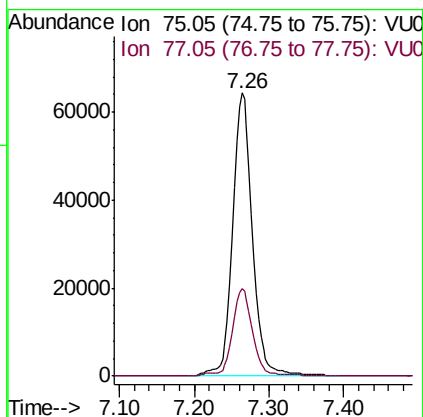
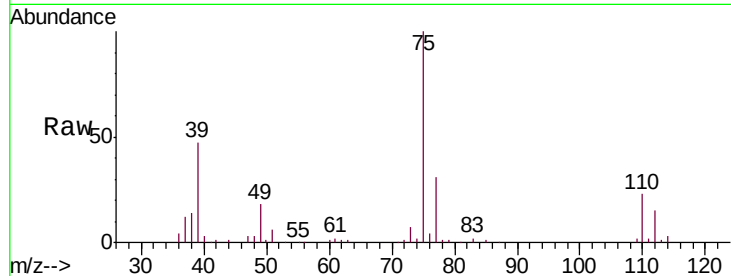




#39
 cis-1,3-Dichloropropene
 Concen: 10.428 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

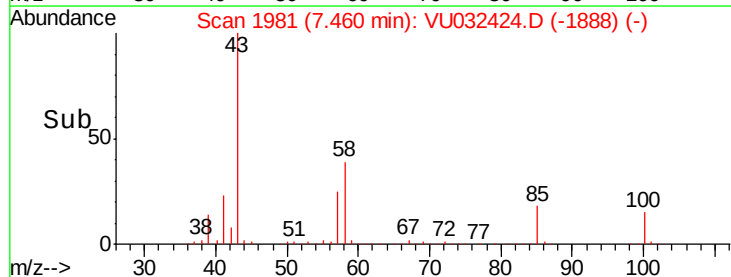
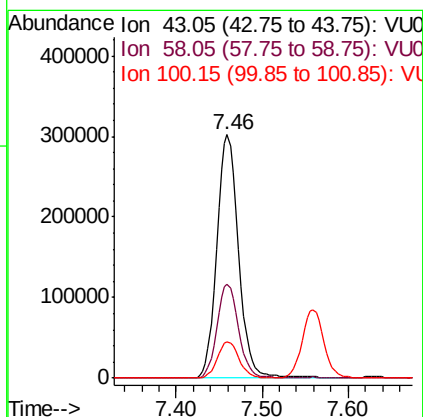
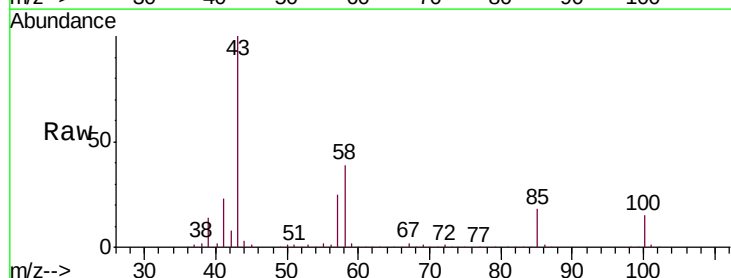
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

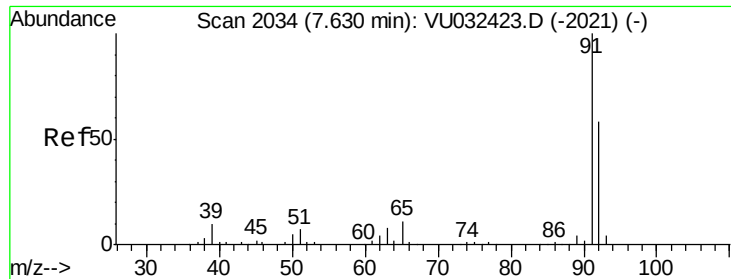
Tgt Ion: 75 Resp: 118532
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 101.163 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion: 43 Resp: 531220
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.9 46.3
 100 14.9 11.9 17.9





#42

Toluene

Concen: 9.680 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

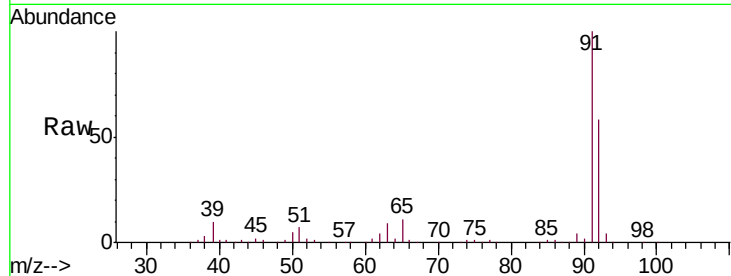
VSTD01012

Tgt Ion: 91 Resp: 314751

Ion Ratio Lower Upper

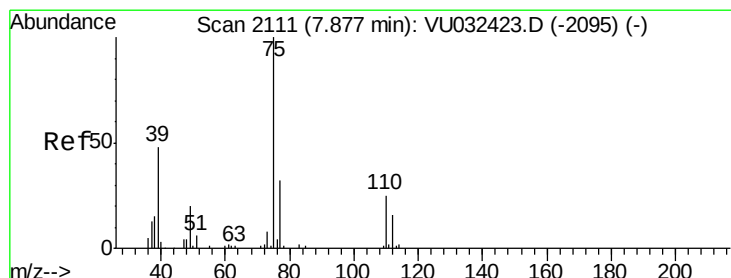
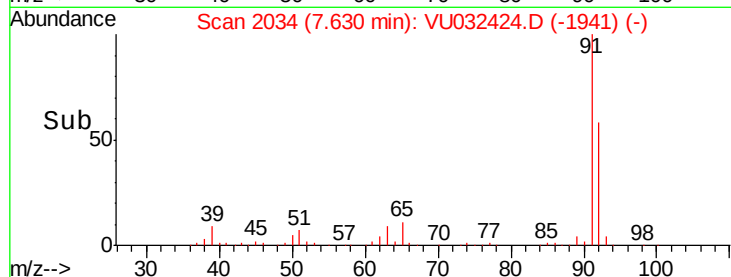
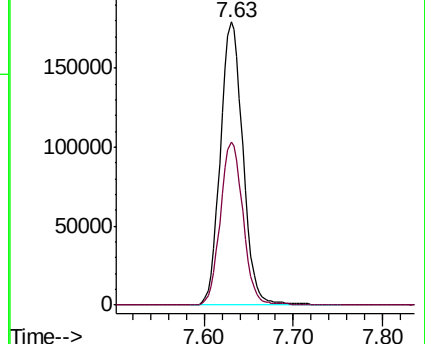
91 100

92 57.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.616 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032424.D

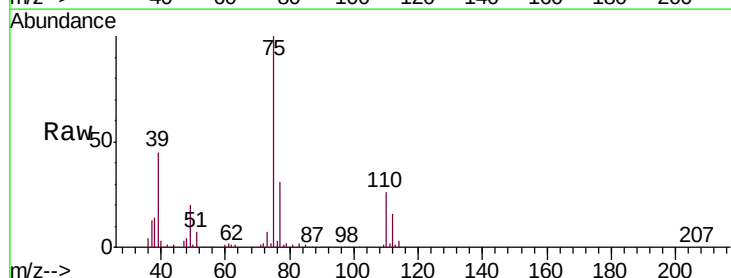
Acq: 04 Jun 2019 13:39

Tgt Ion: 75 Resp: 93959

Ion Ratio Lower Upper

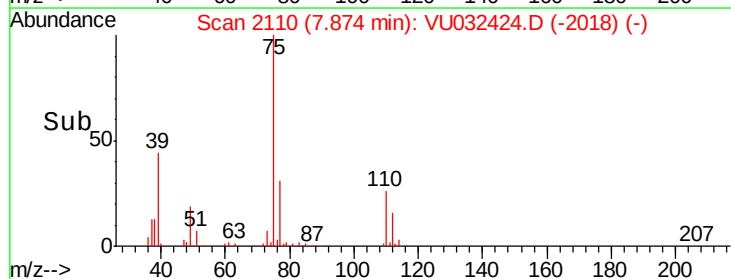
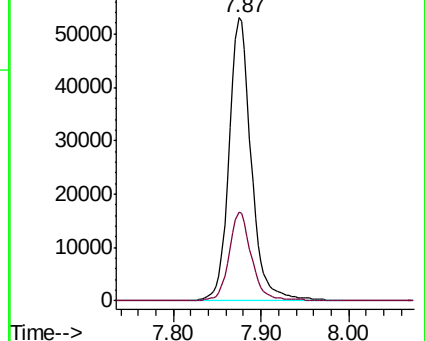
75 100

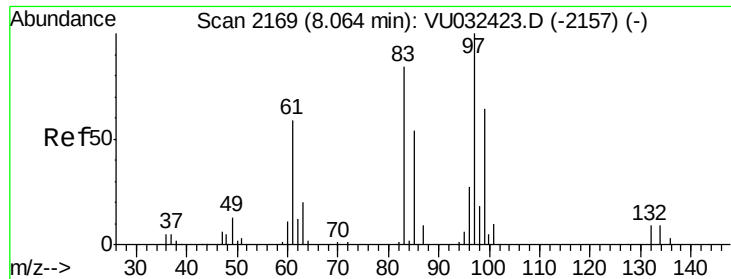
77 31.5 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-2095) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-2095) (-)

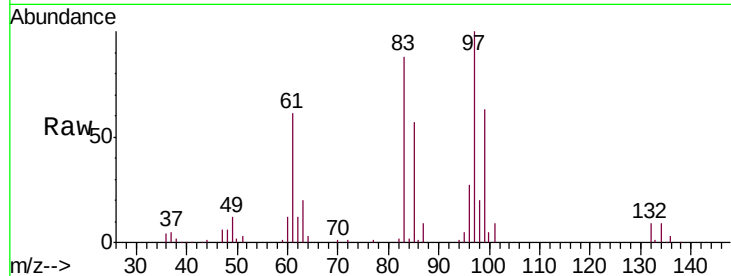




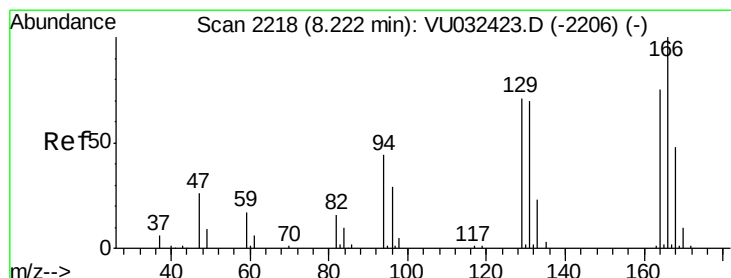
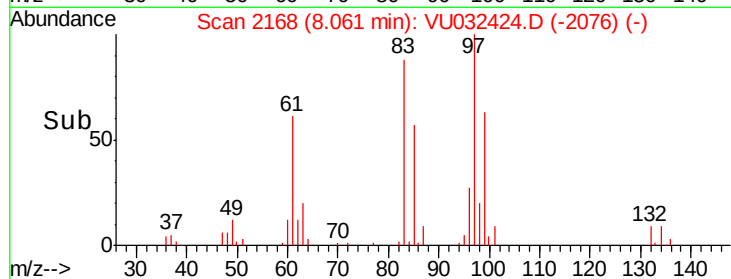
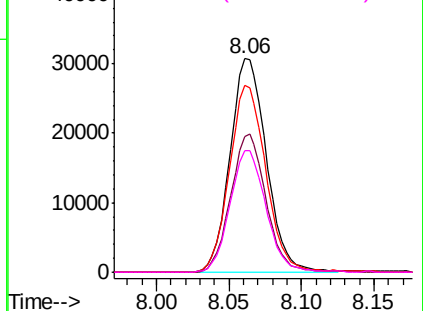
#45
 1,1,2-Trichloroethane
 Concen: 9.733 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

Tgt Ion:	97	Resp:	53577
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.9	83.3
83	87.8	58.7	108.9
85	56.8	37.9	70.5

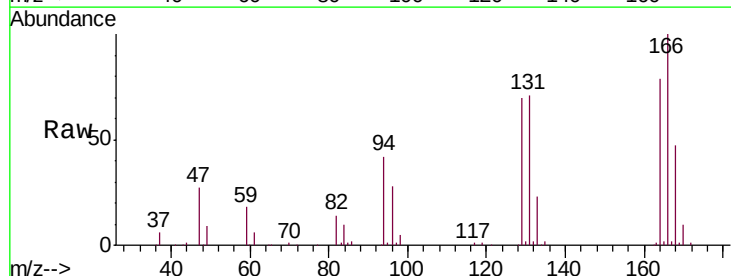


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

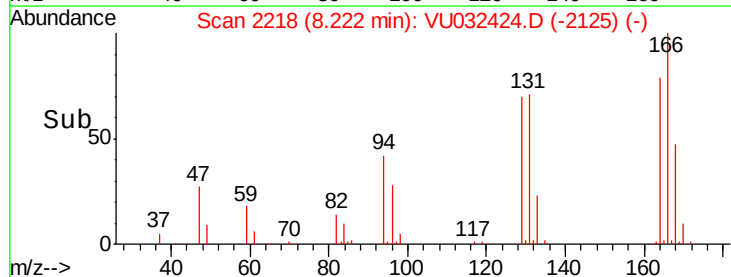
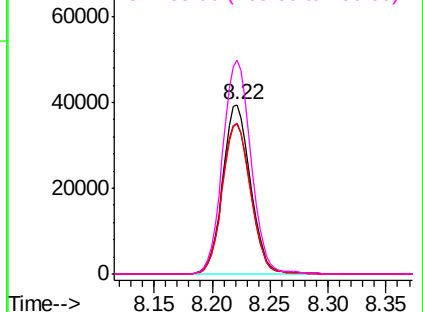


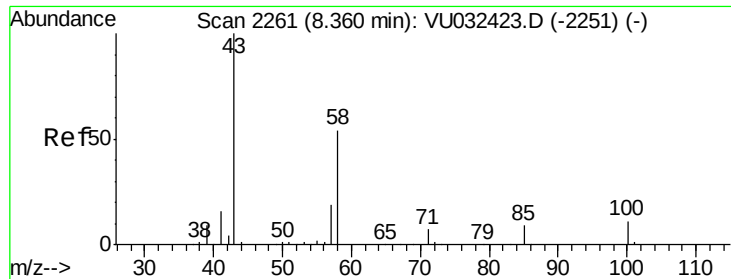
#47
 Tetrachloroethene
 Concen: 10.290 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion:	164	Resp:	65576
Ion	Ratio	Lower	Upper
164	100		
129	88.8	66.1	122.7
131	89.1	65.6	121.8
166	126.2	93.2	173.2



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

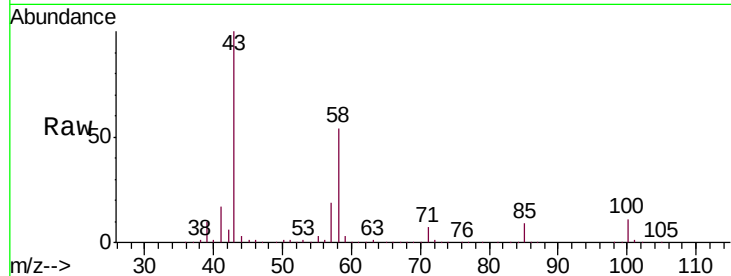




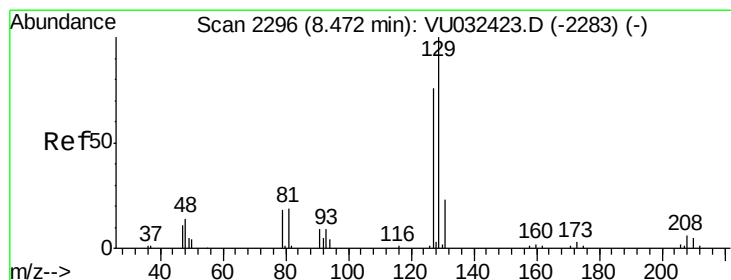
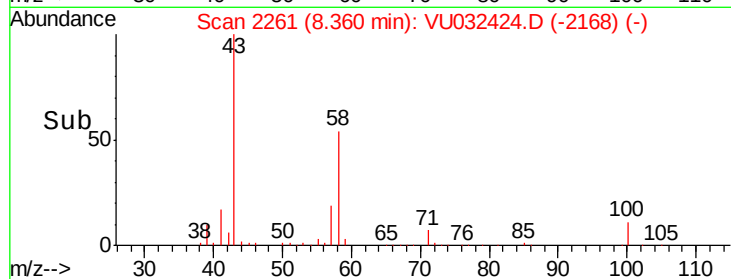
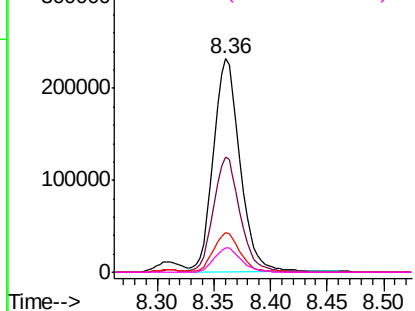
#48
2-Hexanone
Concen: 103.839 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

Tgt Ion: 43 Resp: 380054
Ion Ratio Lower Upper
43 100
58 53.6 41.9 62.9
57 18.6 15.1 22.7
100 11.6 9.0 13.6

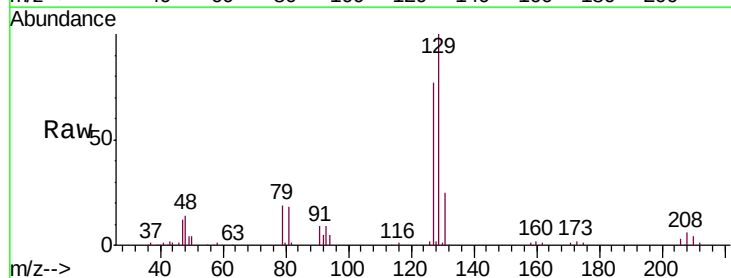


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

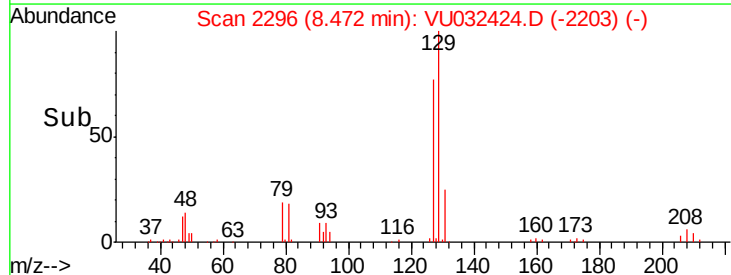
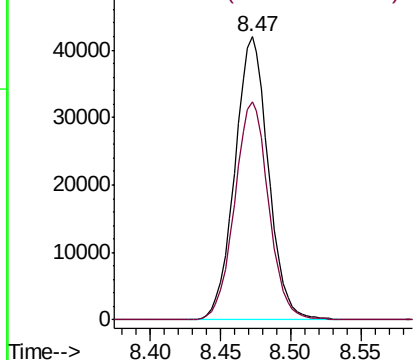


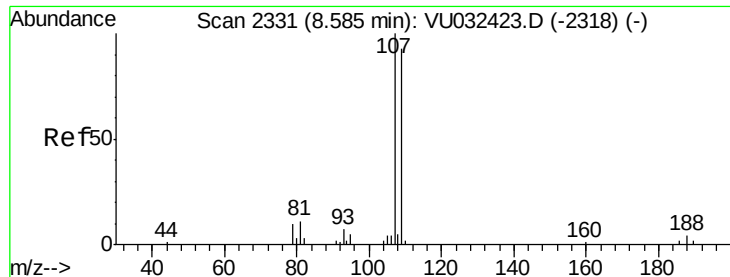
#49
Dibromochloromethane
Concen: 10.519 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion: 129 Resp: 70018
Ion Ratio Lower Upper
129 100
127 76.9 53.3 98.9



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

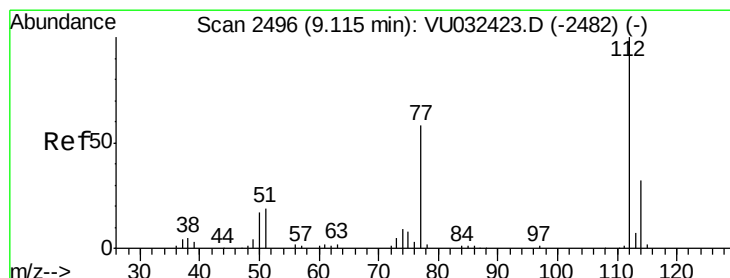
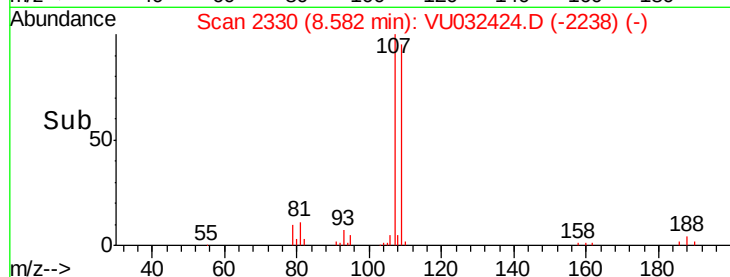
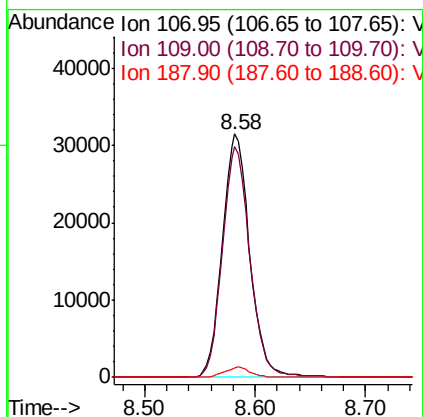
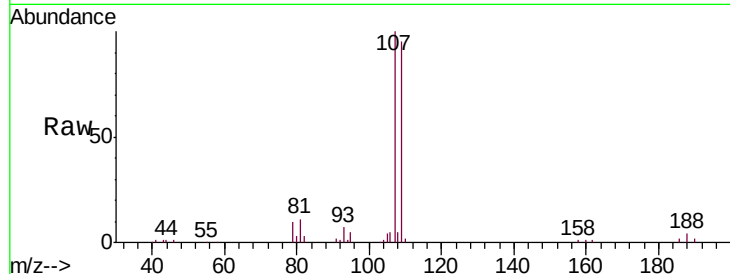




#50
1,2-Dibromoethane
Concen: 10.178 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

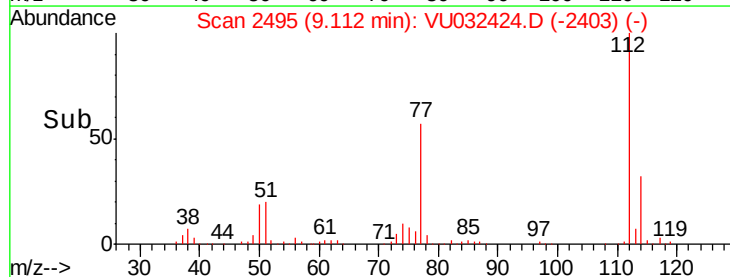
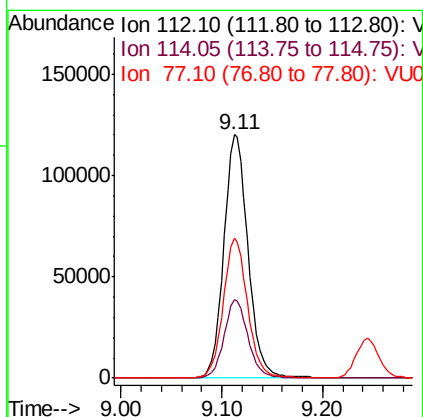
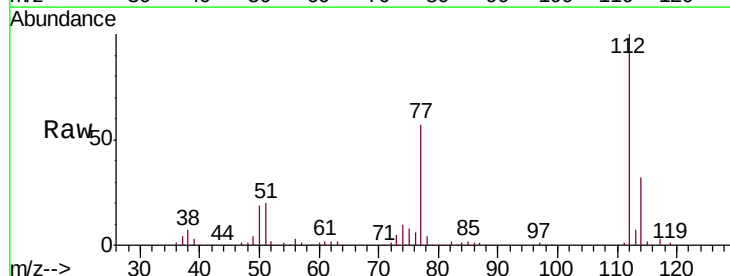
Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

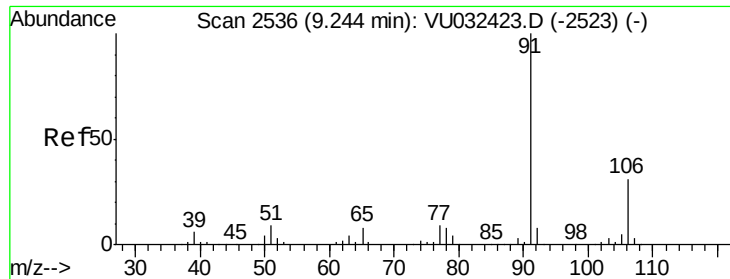
Tgt Ion:107 Resp: 54320
Ion Ratio Lower Upper
107 100
109 94.9 65.2 121.0
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 10.025 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion:112 Resp: 201843
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 57.2 46.5 69.7





#52

Ethylbenzene

Concen: 10.134 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

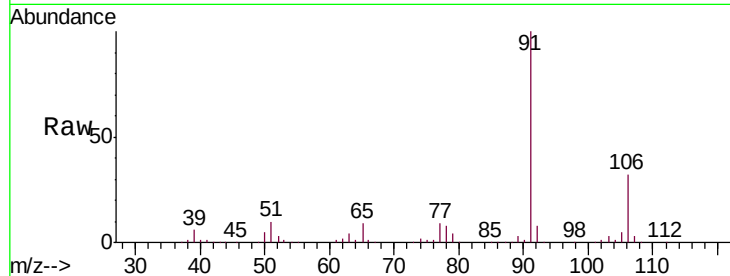
VSTD01012

Tgt Ion: 91 Resp: 352074

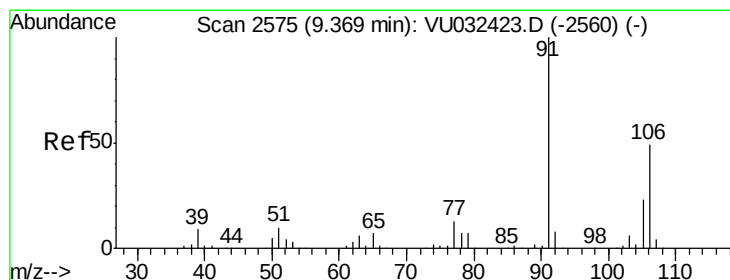
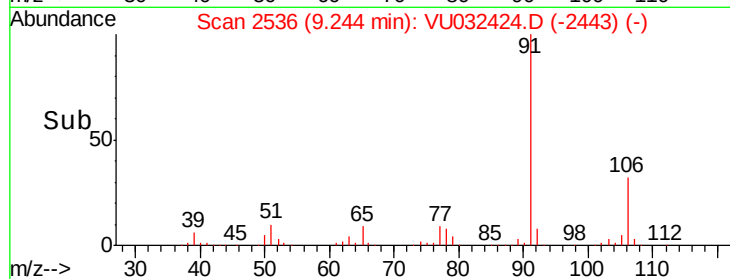
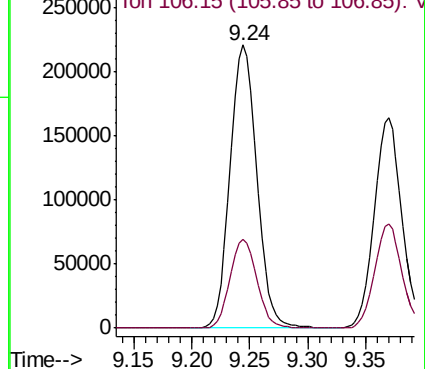
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2523) (-)



#53

m,p-Xylene

Concen: 10.258 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032424.D

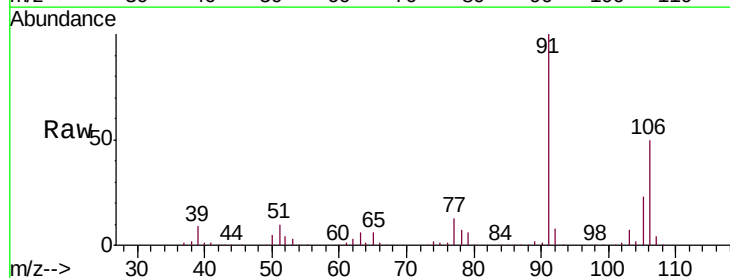
Acq: 04 Jun 2019 13:39

Tgt Ion: 106 Resp: 134843

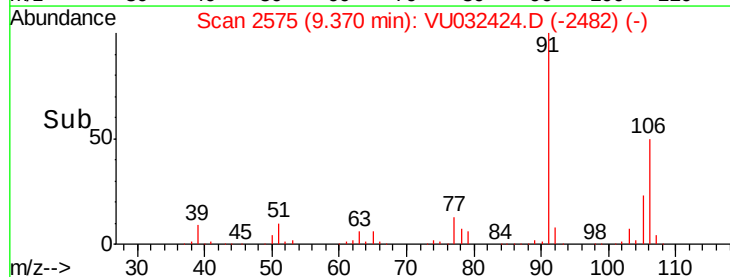
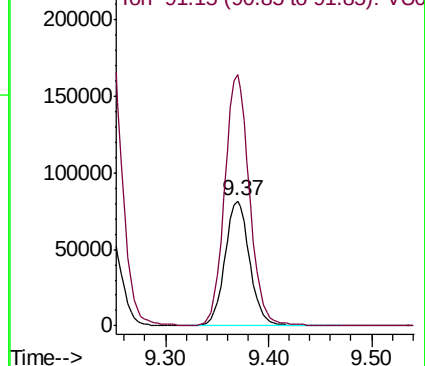
Ion Ratio Lower Upper

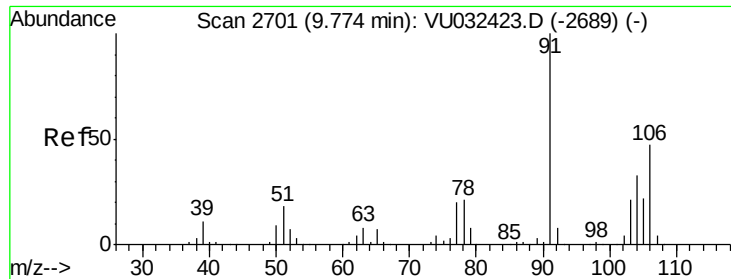
106 100

91 201.2 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032423.D (-2560) (-)

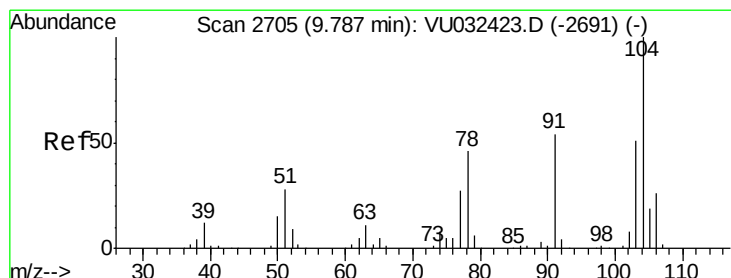
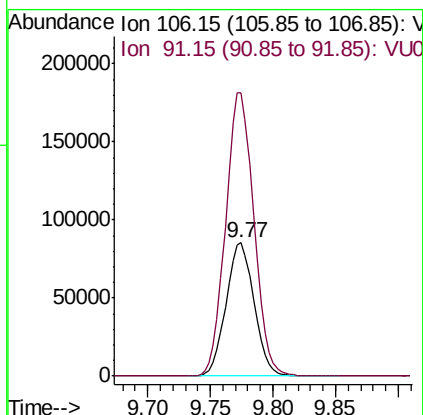
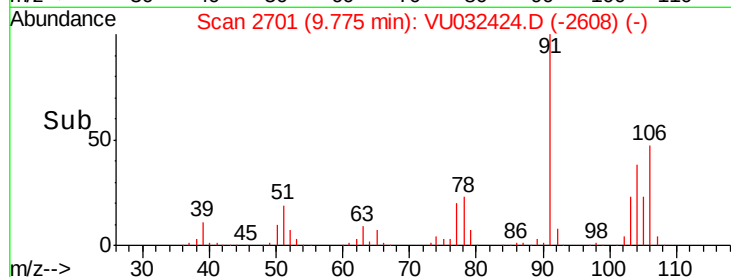
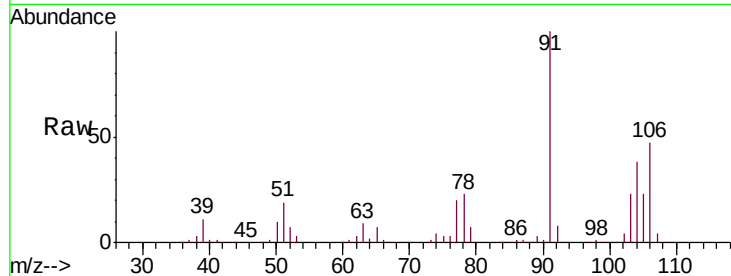




#54
o-Xylene
Concen: 10.383 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

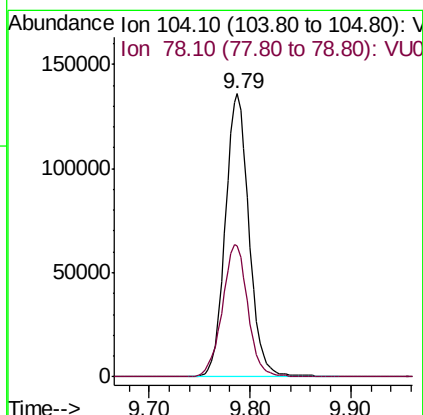
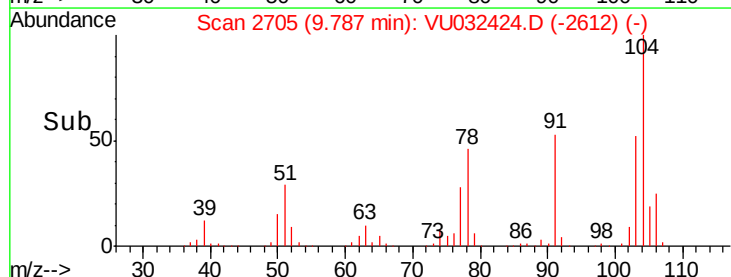
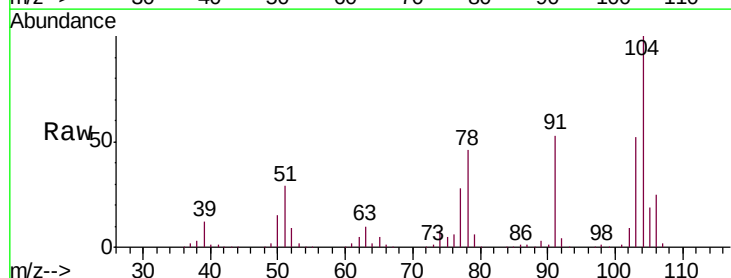
Instrument :
MSVOA_U
ClientSampleId :
VSTD01012

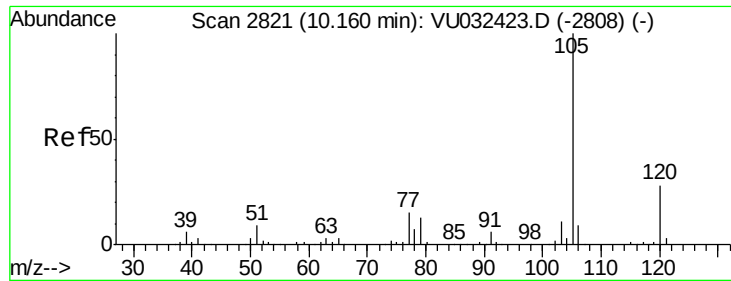
Tgt Ion:106 Resp: 132964
Ion Ratio Lower Upper
106 100
91 212.5 148.8 276.4



#55
Styrene
Concen: 10.476 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032424.D
Acq: 04 Jun 2019 13:39

Tgt Ion:104 Resp: 224126
Ion Ratio Lower Upper
104 100
78 46.3 32.2 59.8





#56

Isopropylbenzene

Concen: 10.560 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01012

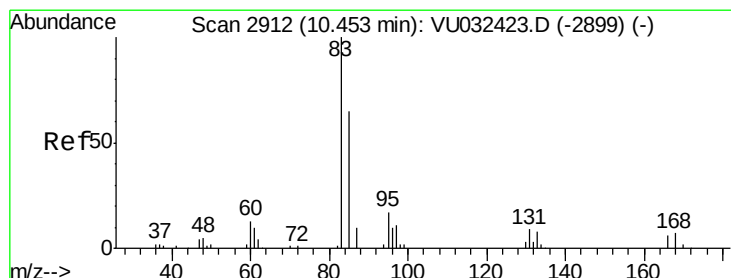
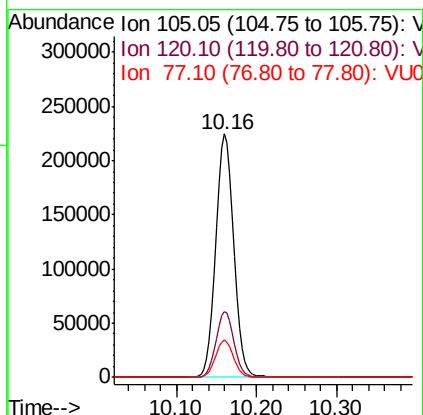
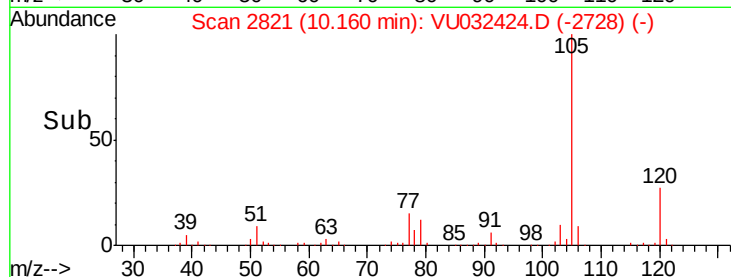
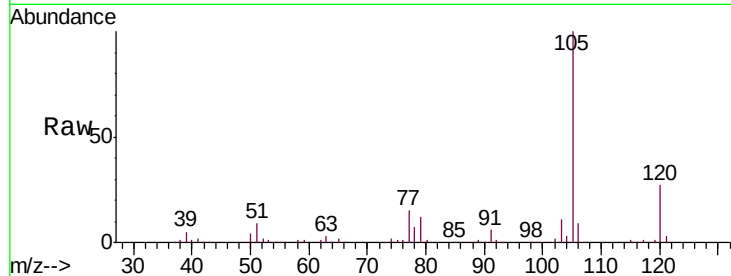
Tgt Ion: 105 Resp: 354415

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

77 15.4 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 9.801 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

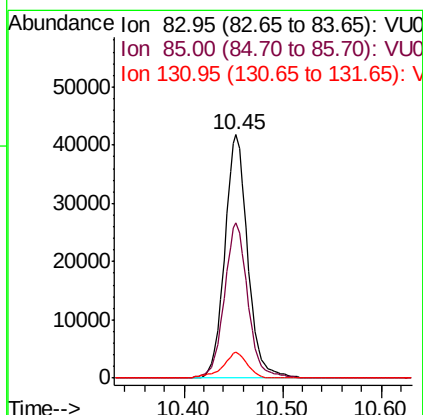
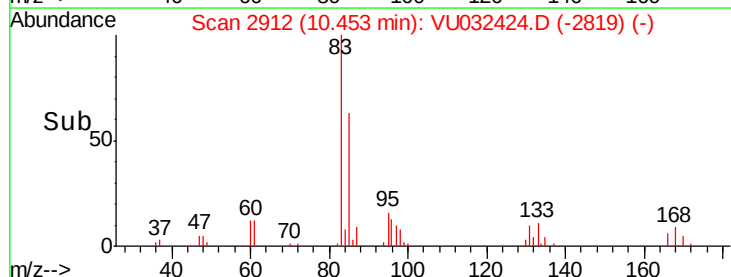
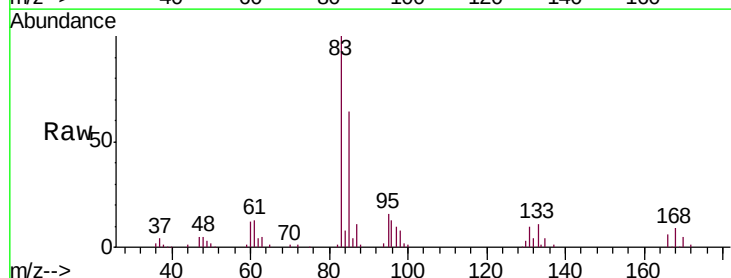
Tgt Ion: 83 Resp: 68208

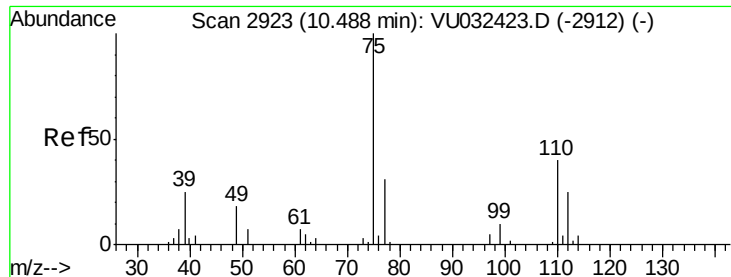
Ion Ratio Lower Upper

83 100

85 63.8 45.7 84.9

131 10.5 8.0 12.0

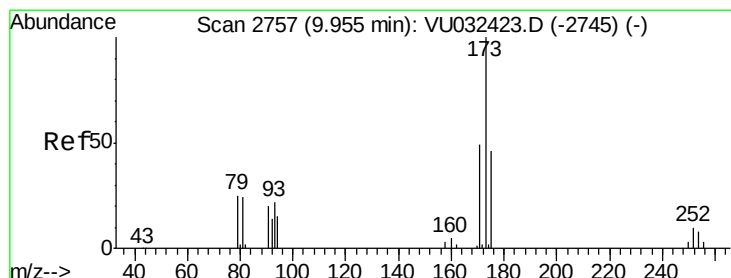
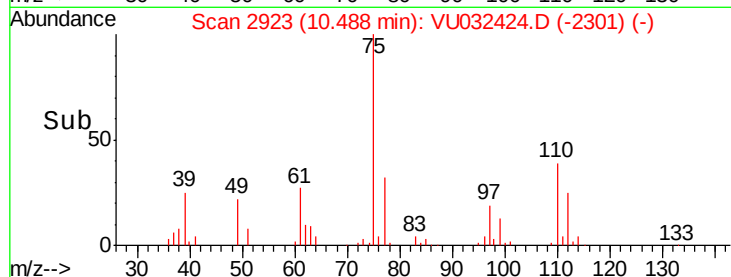
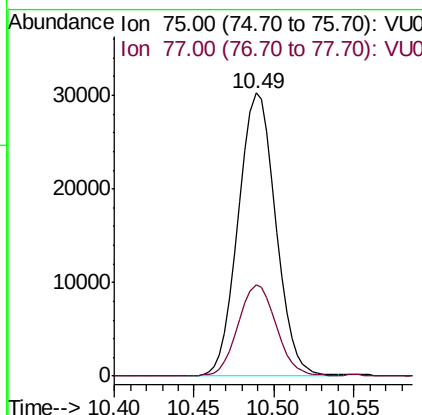
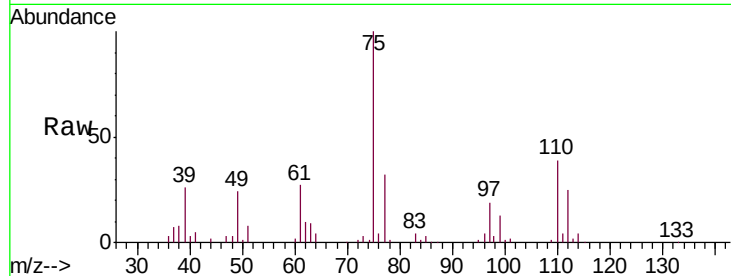




#59
 1,2,3-Trichloropropane
 Concen: 9.865 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

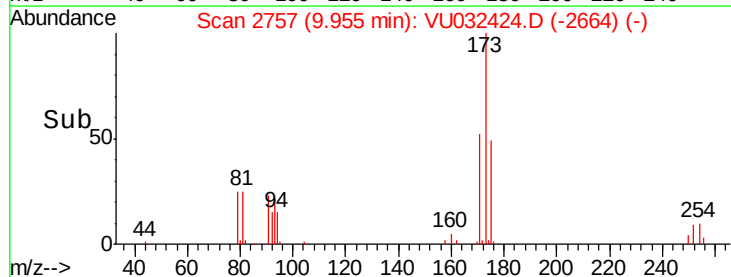
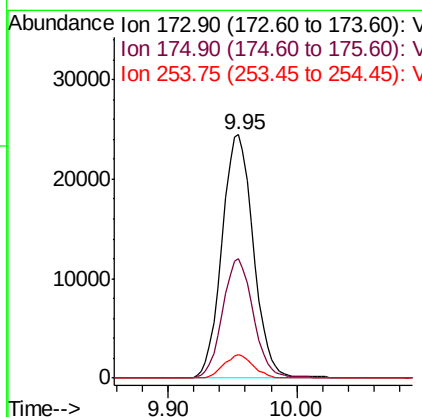
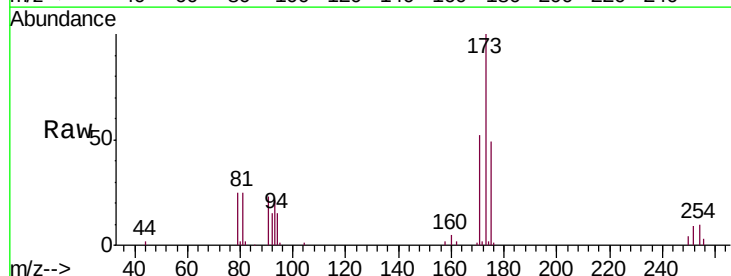
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

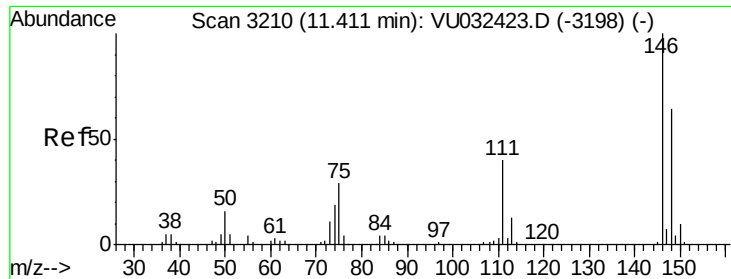
Tgt Ion: 75 Resp: 48386
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.3 37.9



#61
 Bromoform
 Concen: 9.815 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion: 173 Resp: 41345
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.9 56.9
 254 8.8 6.8 10.2

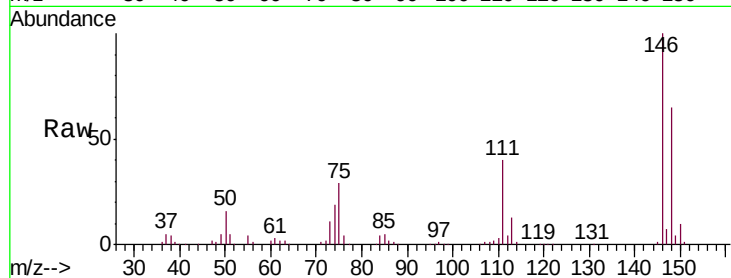




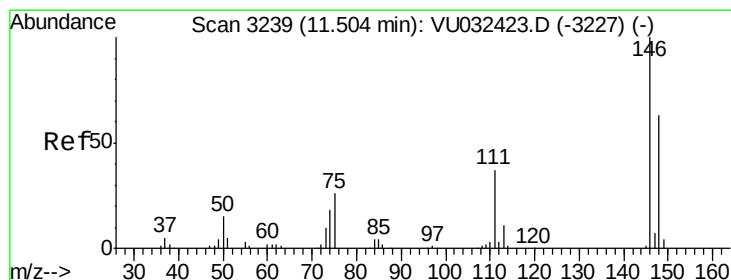
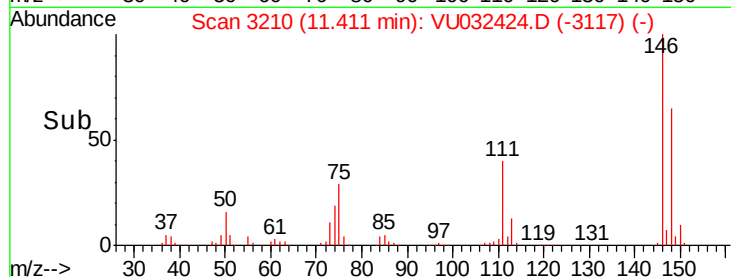
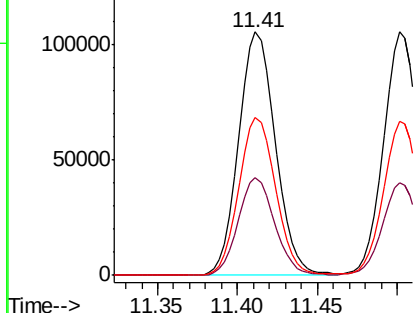
#62
 1,3-Dichlorobenzene
 Concen: 10.075 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

Tgt Ion:146 Resp: 165044
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.7 51.5
 148 64.9 44.7 83.1

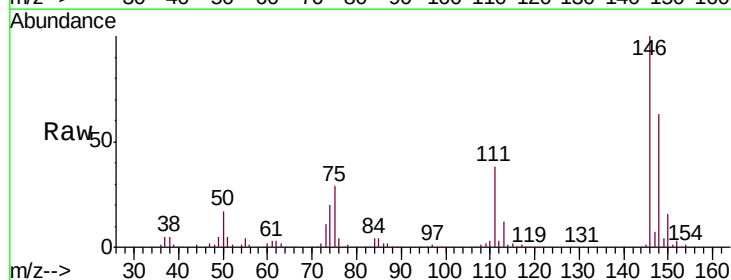


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

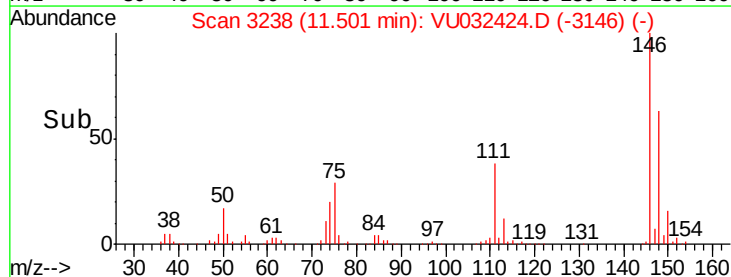
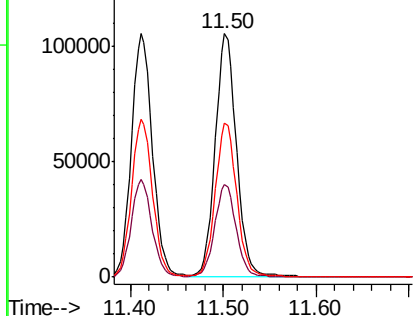


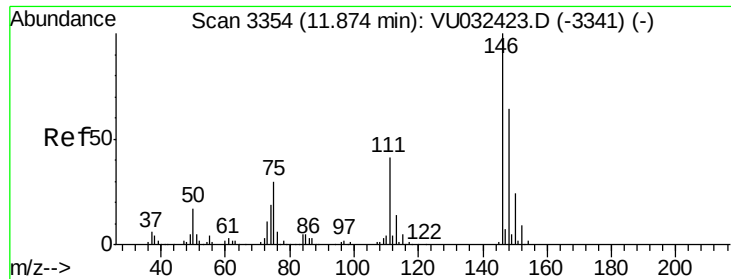
#63
 1,4-Dichlorobenzene
 Concen: 10.118 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion:146 Resp: 167798
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.2 48.6
 148 63.1 43.9 81.5



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

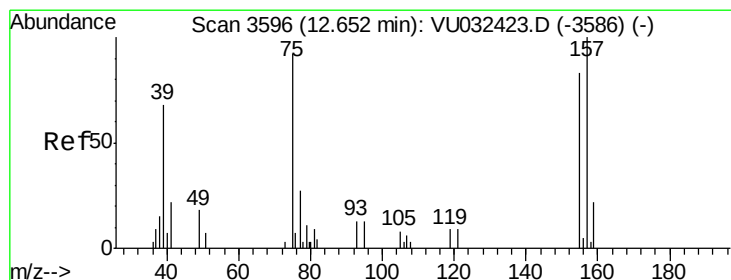
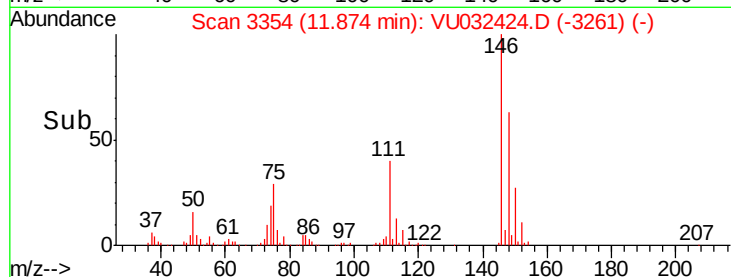
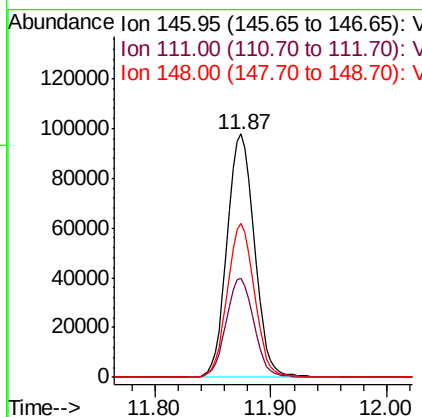
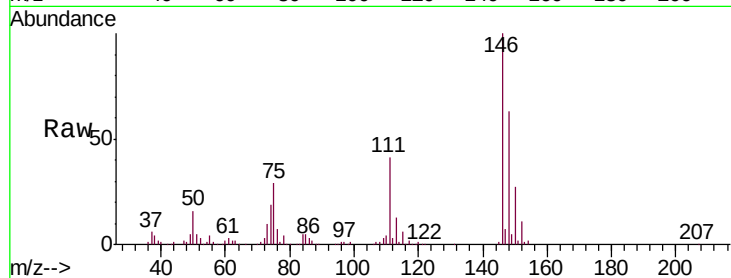




#65
 1,2-Dichlorobenzene
 Concen: 10.048 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

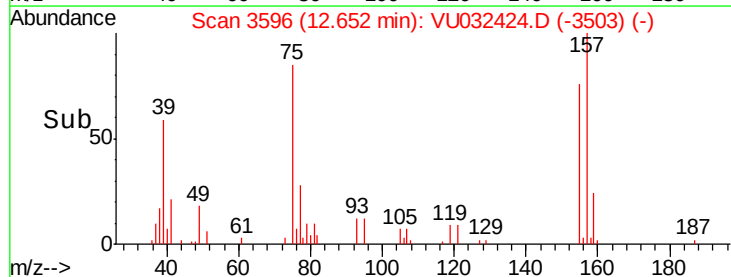
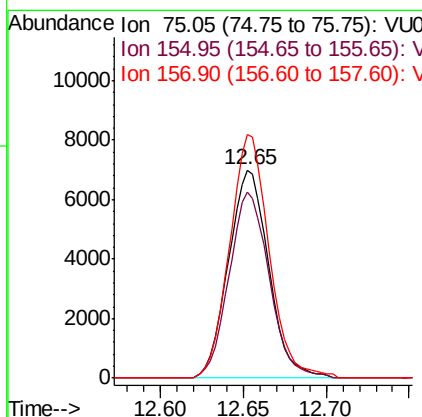
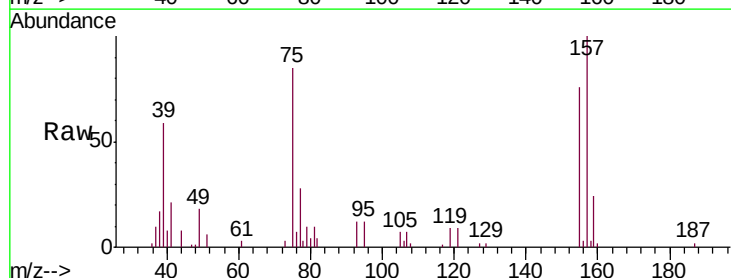
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

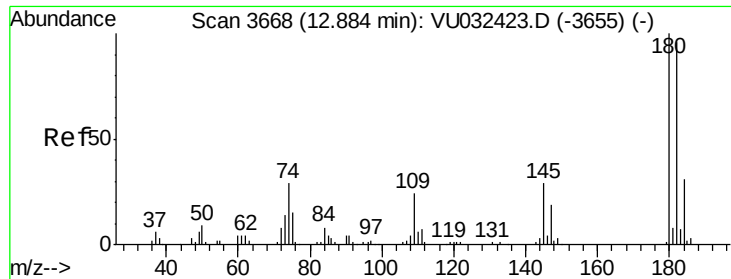
Tgt Ion: 146 Resp: 159537
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.0 49.4
 148 63.1 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.999 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion: 75 Resp: 11826
 Ion Ratio Lower Upper
 75 100
 155 89.3 72.3 108.5
 157 117.1 87.4 131.0

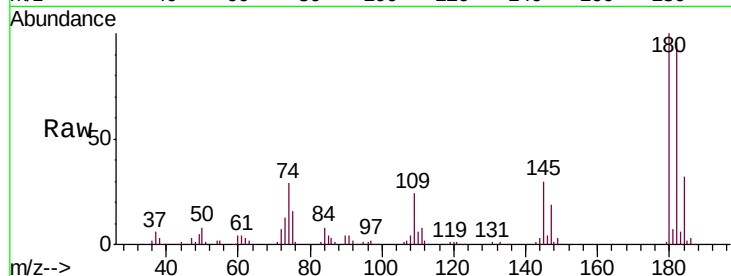




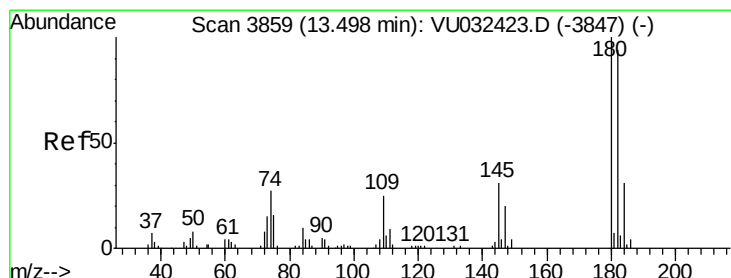
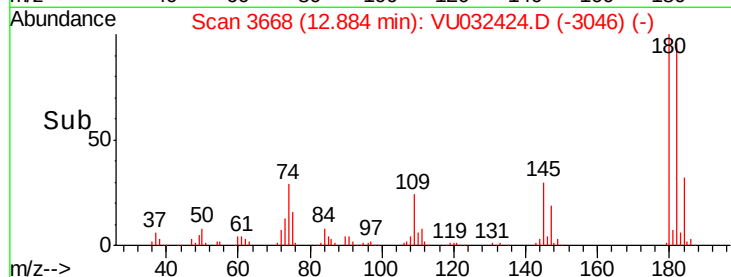
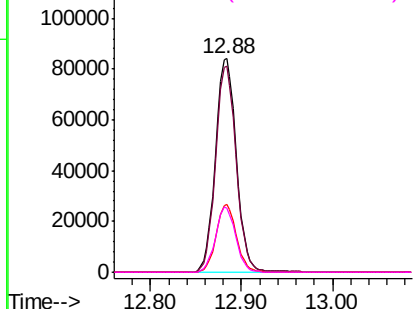
#67
 1,3,5-Trichlorobenzene
 Concen: 10.155 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01012

Tgt Ion:180 Resp: 134963
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.6 115.0
 184 30.6 24.2 36.4
 145 29.5 23.5 35.3

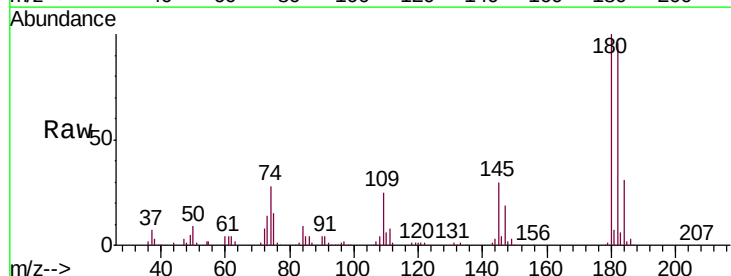


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

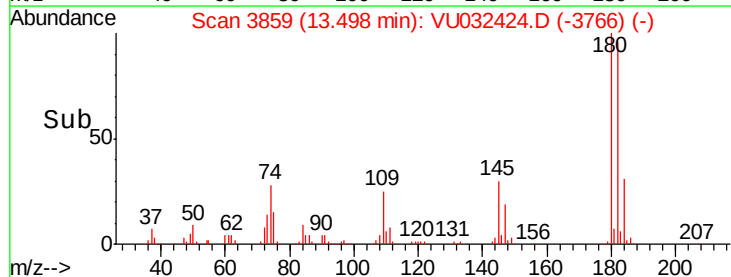
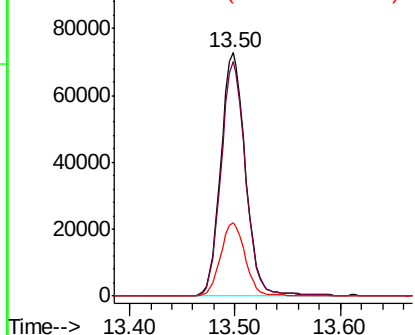


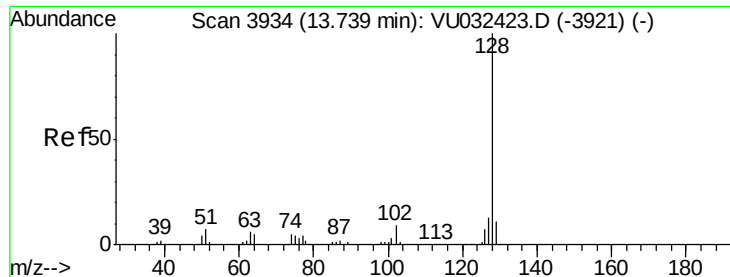
#68
 1,2,4-trichlorobenzene
 Concen: 10.795 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032424.D
 Acq: 04 Jun 2019 13:39

Tgt Ion:180 Resp: 118265
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.8 112.2
 145 30.2 24.3 36.5



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: 6.697 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01012

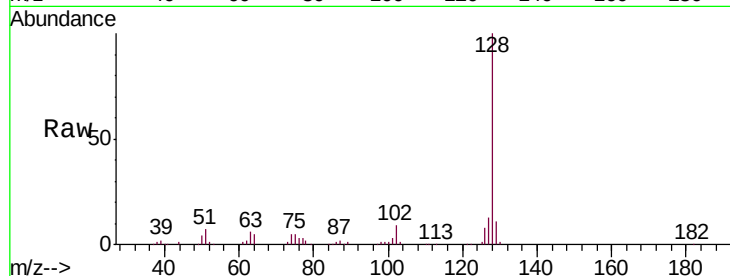
Tgt Ion:128 Resp: 216335

Ion Ratio Lower Upper

128 100

129 10.6 8.1 12.1

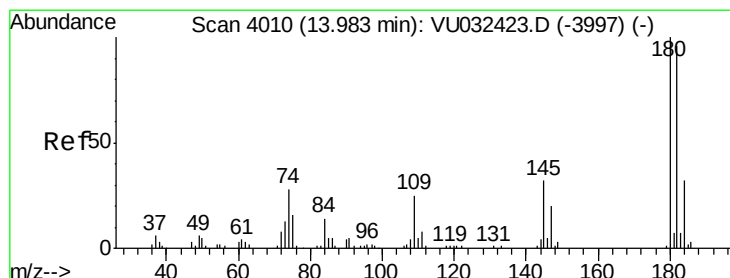
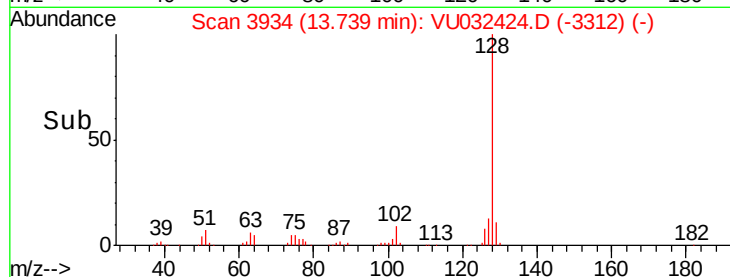
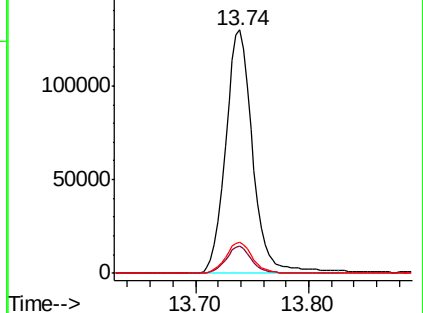
127 12.8 10.4 15.6



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: 10.234 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032424.D

Acq: 04 Jun 2019 13:39

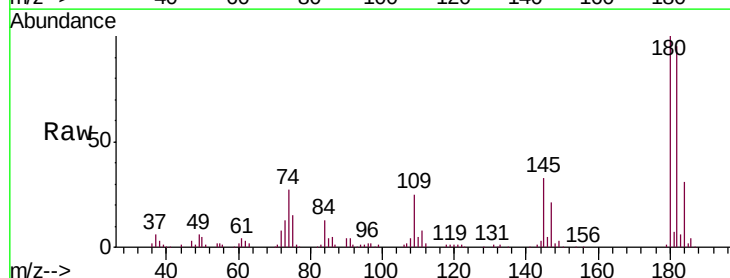
Tgt Ion:180 Resp: 108374

Ion Ratio Lower Upper

180 100

182 95.8 73.8 110.6

145 32.7 25.3 37.9



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

