

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039270.D
 Acq On : 01 Jul 2020 09:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Jul 01 10:38:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 08:49:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	199083	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	202703	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	102949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84946	6.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.60%
7) Chloroethane-d5	1.93	69	72115	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.60%
11) 1,1-Dichloroethene-d2	2.60	63	134418	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.68	46	276953	49.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	5.10	84	153254	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.74	65	98473	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.76	84	254488	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.72	67	84897	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.92	98	211042	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	8.20	79	38905	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.65	63	209524	52.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.02%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	86105	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	97700	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	96429	5.056 ug/L	100
3) Chloromethane	1.53	50	106132	5.596 ug/L	99
5) Vinyl chloride	1.62	62	121719	6.185 ug/L	100
6) Bromomethane	1.88	94	62909	6.113 ug/L	98
8) Chloroethane	1.95	64	60435	4.792 ug/L	100
9) Trichlorofluoromethane	2.16	101	170039	5.746 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	73414	4.899 ug/L	97
12) 1,1-Dichloroethene	2.61	96	69746	4.920 ug/L	97
13) Acetone	2.68	43	160154	47.200 ug/L	99
14) Carbon disulfide	2.82	76	232729	4.836 ug/L	99
15) Methyl Acetate	2.99	43	38721	4.831 ug/L	97
16) Methylene chloride	3.08	84	85281	4.417 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	192545	5.049 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	74278	5.121 ug/L	98
19) 1,1-Dichloroethane	3.91	63	145142	5.103 ug/L	98
21) 2-Butanone	4.76	43	242633	45.500 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	78511	5.117 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
 Data File : VU039270.D
 Acq On : 01 Jul 2020 09:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Jul 01 10:38:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 08:49:01 2020
 Response via : Initial Calibration

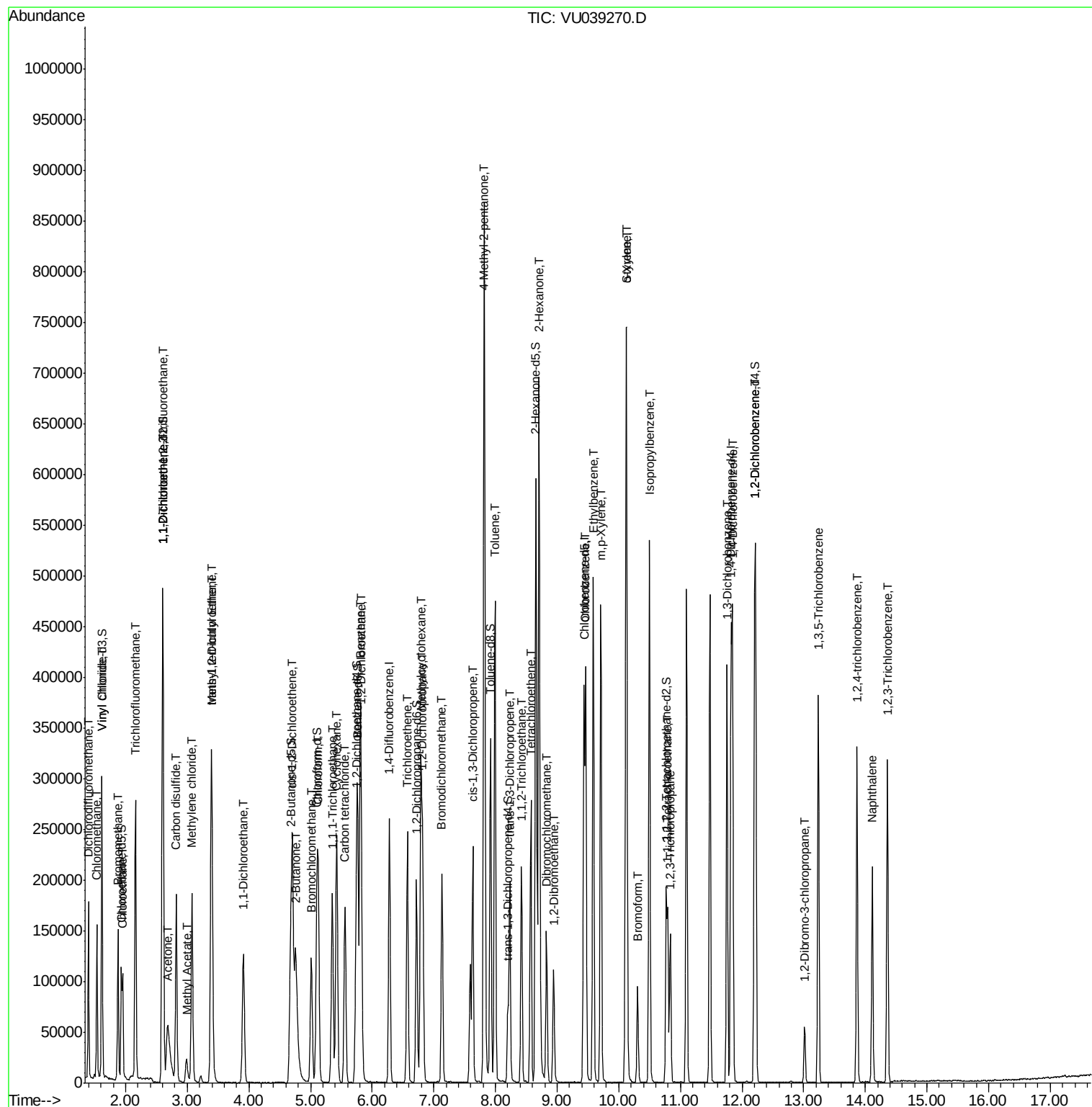
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	37554	5.355	ug/L	95
25) Chloroform	5.13	83	150879	5.191	ug/L	98
27) 1,2-Dichloroethane	5.83	62	111128	5.238	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	136230	5.476	ug/L	98
30) Cyclohexane	5.42	56	111969	4.848	ug/L	97
31) Carbon tetrachloride	5.56	117	117565	5.590	ug/L	100
33) Benzene	5.81	78	306690	5.157	ug/L	100
34) Trichloroethene	6.57	95	80557	5.154	ug/L	100
35) Methylcyclohexane	6.79	83	110111	4.714	ug/L	99
37) 1,2-Dichloropropane	6.82	63	79549	4.947	ug/L	99
38) Bromodichloromethane	7.13	83	132403	6.230	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	130124	5.700	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	569316	47.338	ug/L	99
42) Toluene	7.99	91	323483	5.308	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	103908	4.827	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	62238	5.105	ug/L	98
47) Tetrachloroethene	8.57	164	57304	5.225	ug/L	95
48) 2-Hexanone	8.71	43	449237	48.304	ug/L	99
49) Dibromochloromethane	8.83	129	73743	5.484	ug/L	95
50) 1,2-Dibromoethane	8.94	107	59168	5.199	ug/L	96
51) Chlorobenzene	9.47	112	201609	5.063	ug/L	96
52) Ethylbenzene	9.59	91	331154	4.916	ug/L	99
53) m,p-Xylene	9.71	106	127615	5.134	ug/L	100
54) o-Xylene	10.12	106	121550	5.173	ug/L	94
55) Styrene	10.13	104	216674	5.337	ug/L	98
56) Isopropylbenzene	10.50	105	326296	5.243	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	74296	4.825	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	59792	4.807	ug/L	96
61) Bromoform	10.31	173	41593	5.101	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	156869	4.987	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	158212	4.883	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	153361	5.002	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	14557	5.025	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	111215	5.016	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	95089	4.891	ug/L	97
69) Naphthalene	14.11	128	167559	4.466	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	90674	4.837	ug/L	96

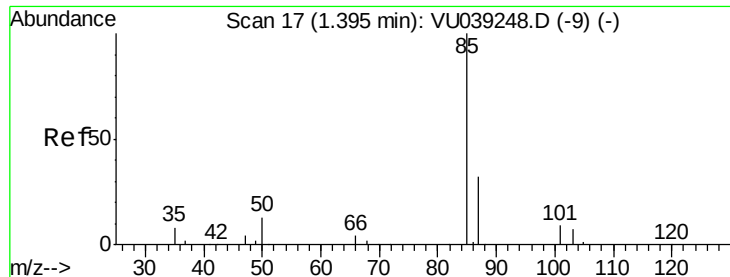
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063020\
Data File : VU039270.D
Acq On : 01 Jul 2020 09:16
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Jul 01 10:38:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 08:49:01 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.056 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

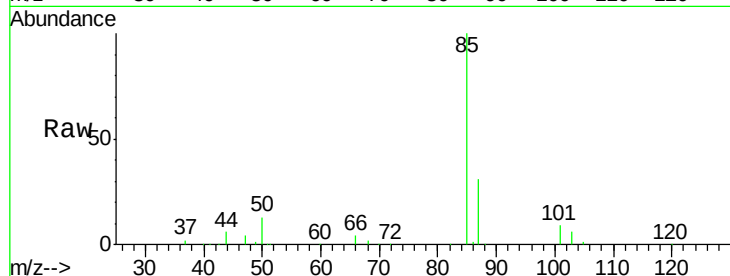
VSTD00526

Tgt Ion: 85 Resp: 96429

Ion Ratio Lower Upper

85 100

87 31.4 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU039270.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039270.D (-1) (-)

1.39

100000

80000

60000

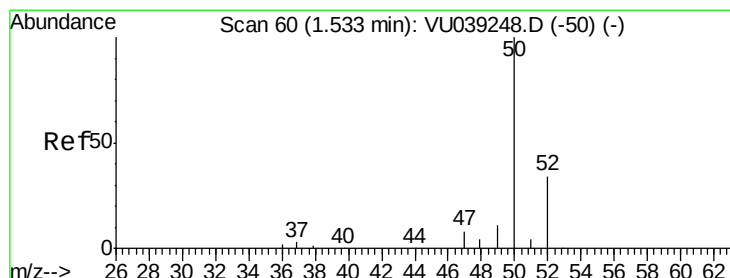
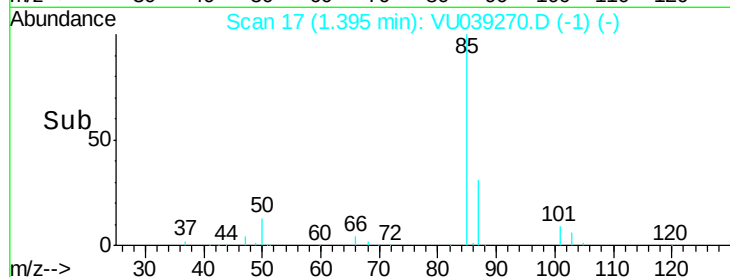
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 5.596 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039270.D

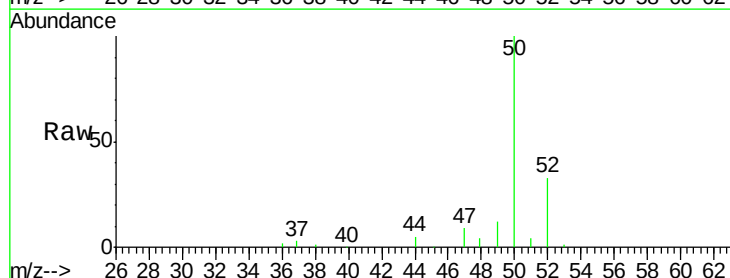
Acq: 01 Jul 2020 09:16

Tgt Ion: 50 Resp: 106132

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU039270.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039270.D (-1) (-)

1.53

100000

80000

60000

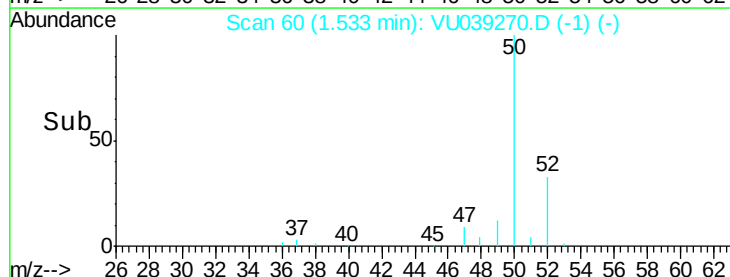
40000

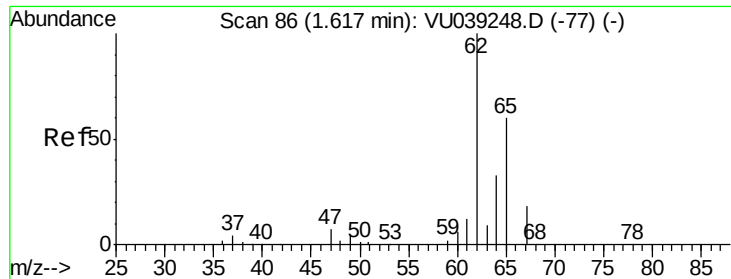
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 6.185 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

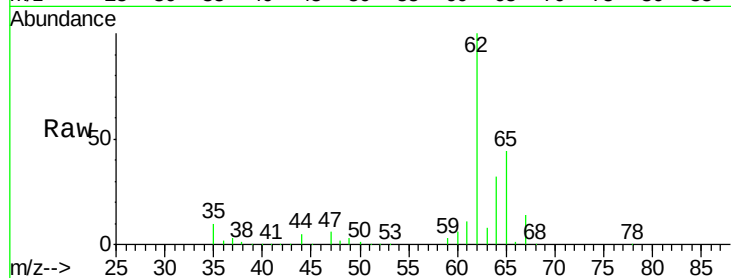
VSTD00526

Tgt Ion: 62 Resp: 121719

Ion Ratio Lower Upper

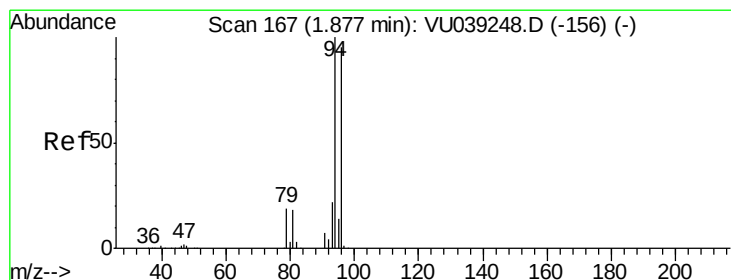
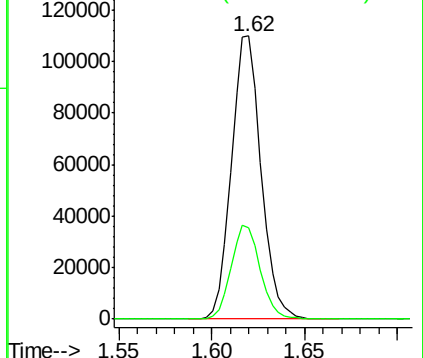
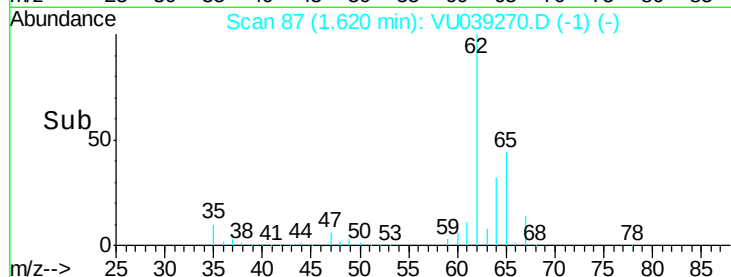
62 100

64 32.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039270.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039270.D (-1) (-)



#6

Bromomethane

Concen: 6.113 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU039270.D

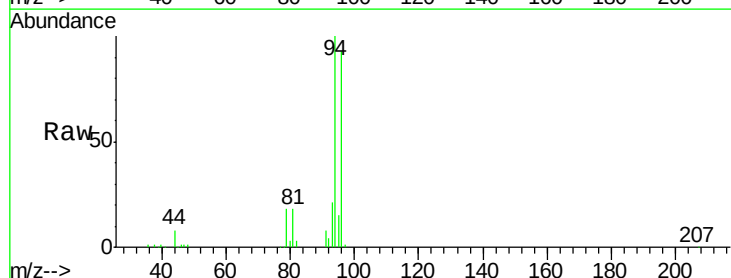
Acq: 01 Jul 2020 09:16

Tgt Ion: 94 Resp: 62909

Ion Ratio Lower Upper

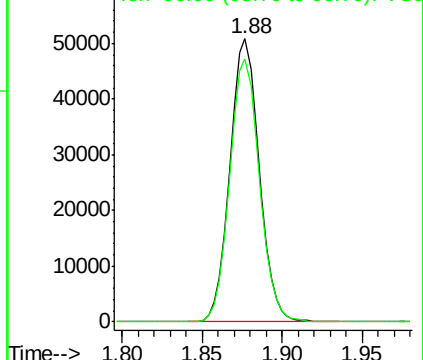
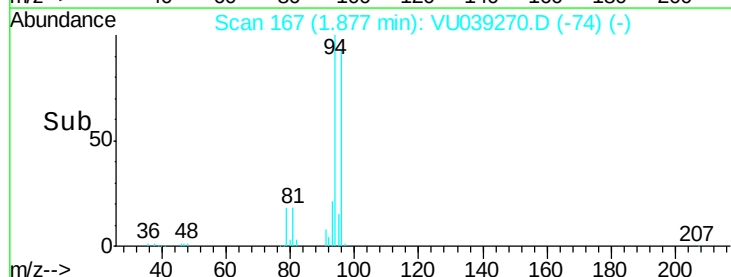
94 100

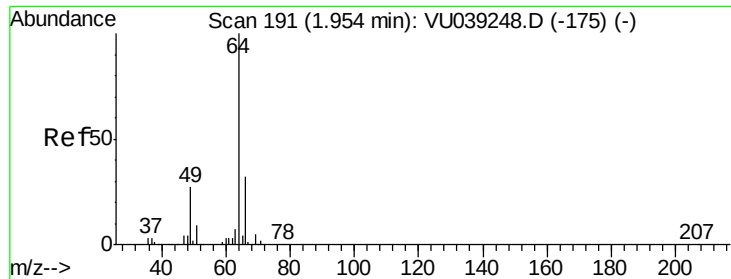
96 93.1 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VU039270.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU039270.D (-74) (-)

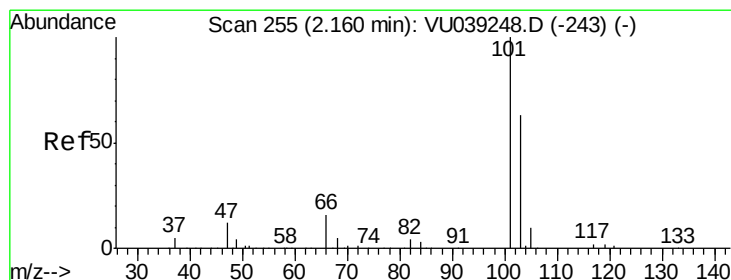
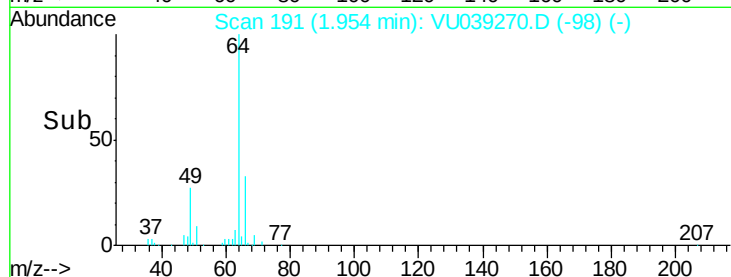
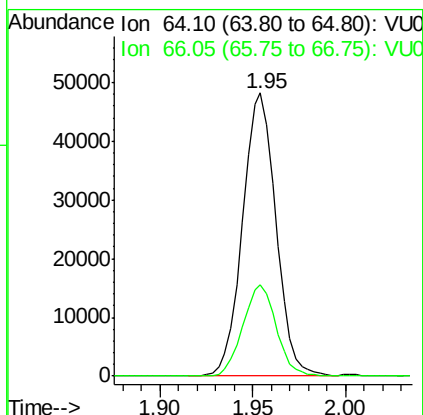
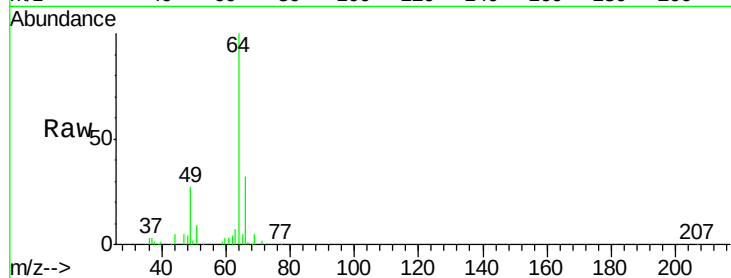




#8
Chloroethane
Concen: 4.792 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

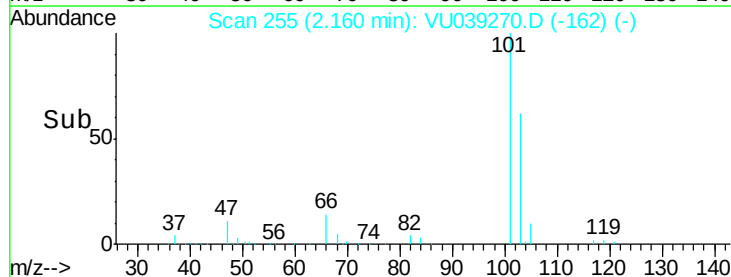
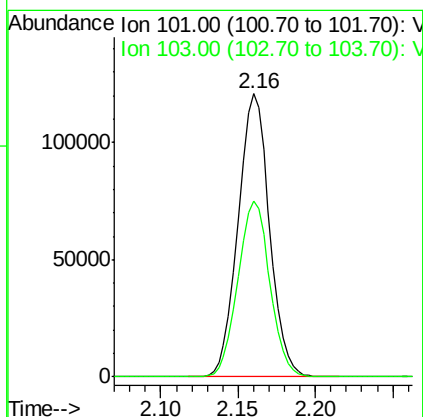
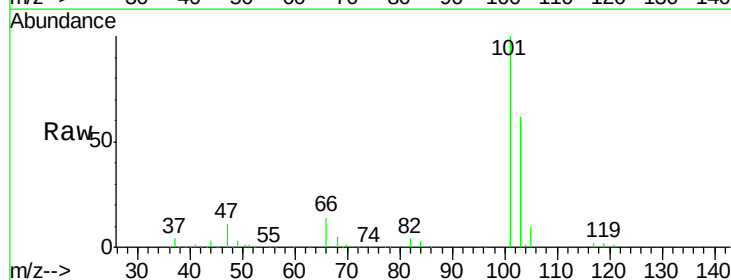
Instrument :
MSVOA_U
ClientSampled :
VSTD00526

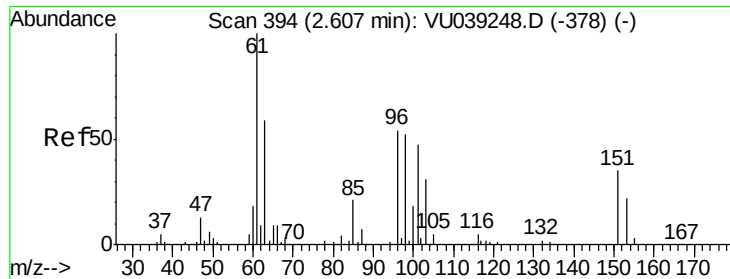
Tgt Ion: 64 Resp: 60435
Ion Ratio Lower Upper
64 100
66 32.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.746 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

Tgt Ion: 101 Resp: 170039
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.0





#10

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

Concen: 4.899 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

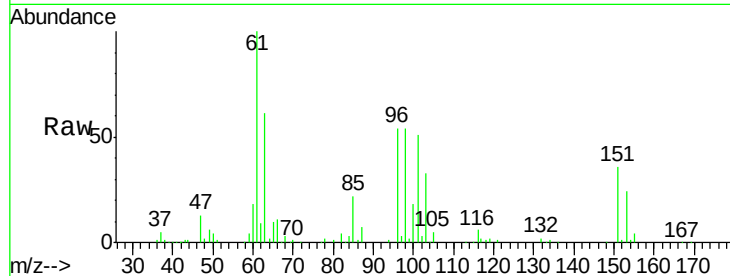
Tgt Ion:101 Resp: 73414

Ion Ratio Lower Upper

101 100

85 44.9 34.7 52.1

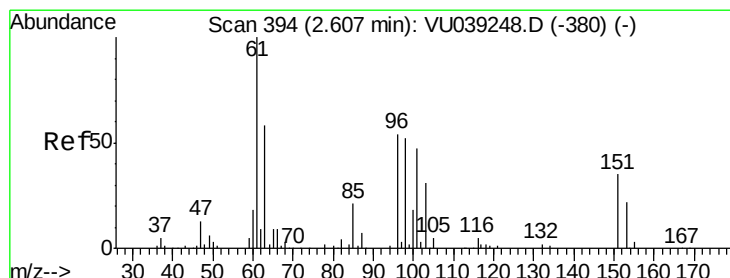
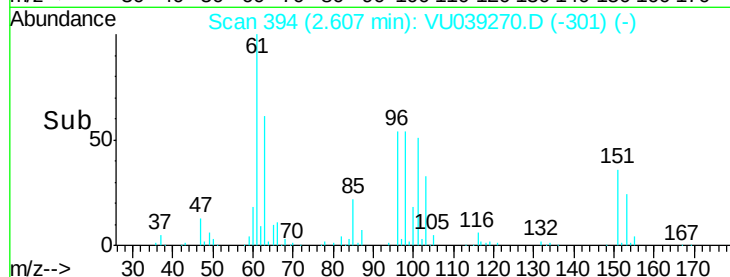
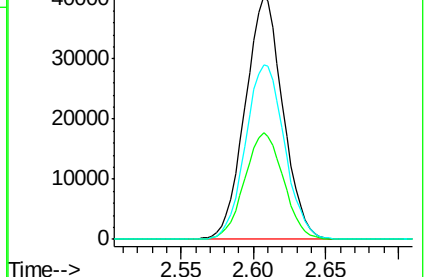
151 74.1 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU039270.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU039270.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU039270.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.920 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

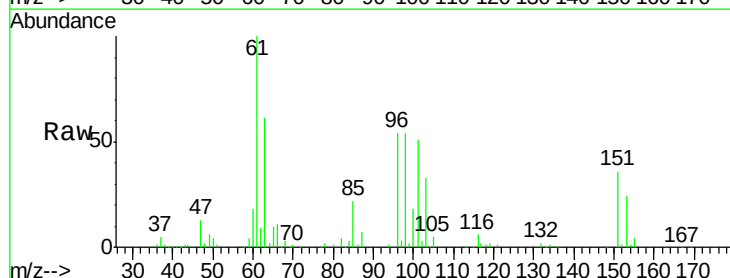
Tgt Ion: 96 Resp: 69746

Ion Ratio Lower Upper

96 100

61 185.4 129.1 239.7

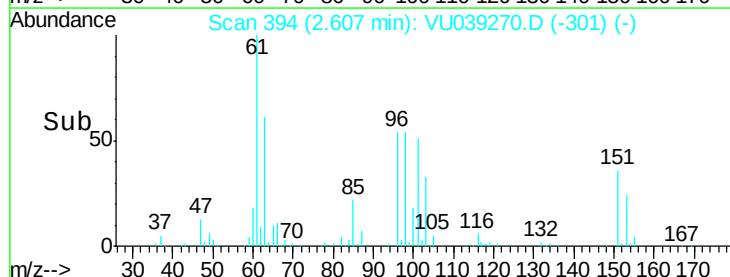
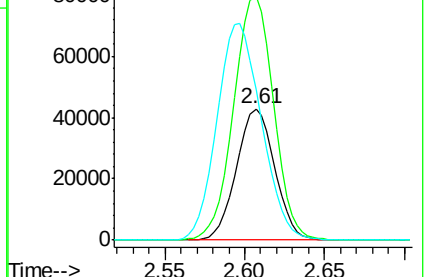
63 114.0 85.5 158.7

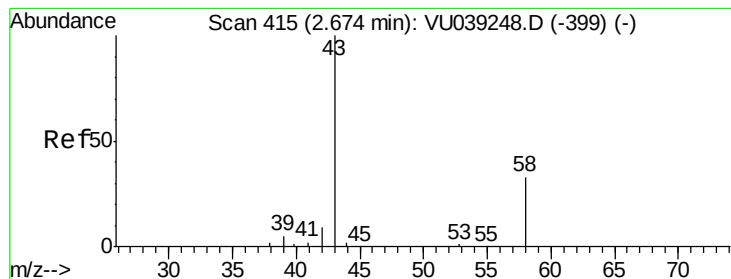


Abundance Ion 96.00 (95.70 to 96.70): VU039270.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU039270.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU039270.D (-301) (-)





#13

Acetone

Concen: 47.200 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

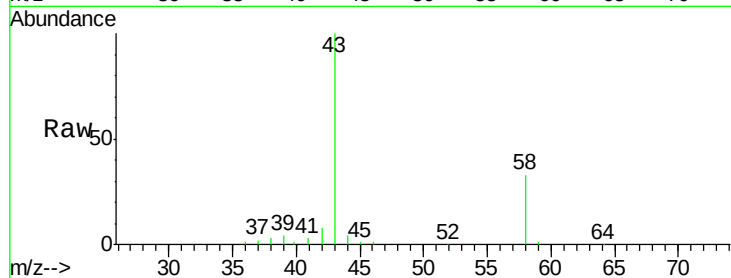
VSTD00526

Tgt Ion: 43 Resp: 160154

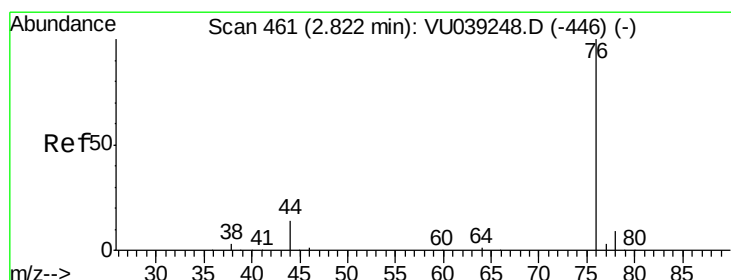
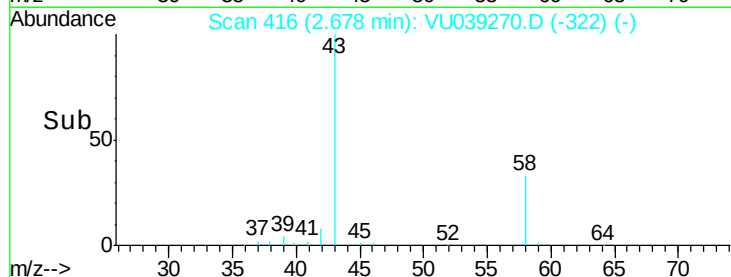
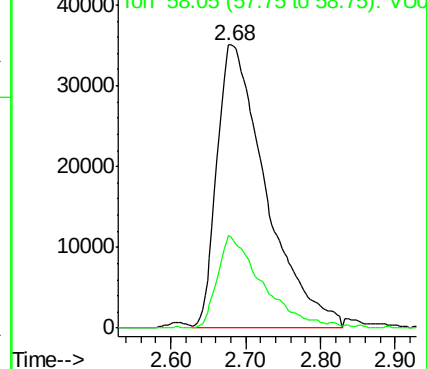
Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039270.D (-322) (-)



#14

Carbon disulfide

Concen: 4.836 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU039270.D

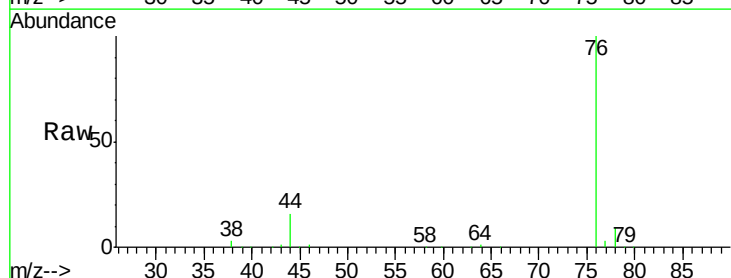
Acq: 01 Jul 2020 09:16

Tgt Ion: 76 Resp: 232729

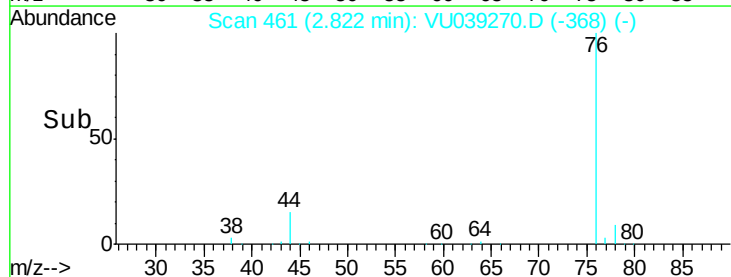
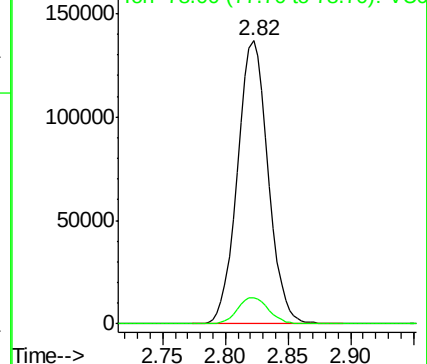
Ion Ratio Lower Upper

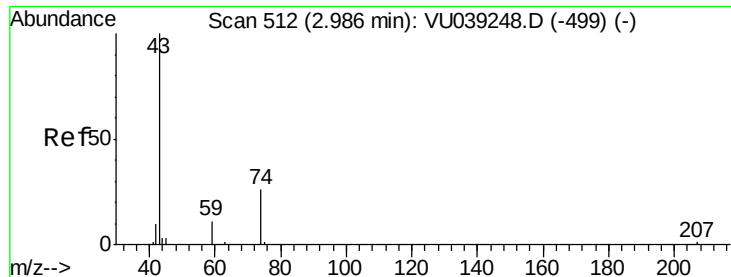
76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039270.D (-368) (-)





#15

Methyl Acetate

Concen: 4.831 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

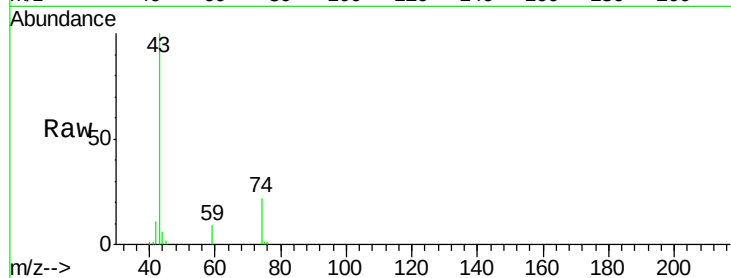
VSTD00526

Tgt Ion: 43 Resp: 38721

Ion Ratio Lower Upper

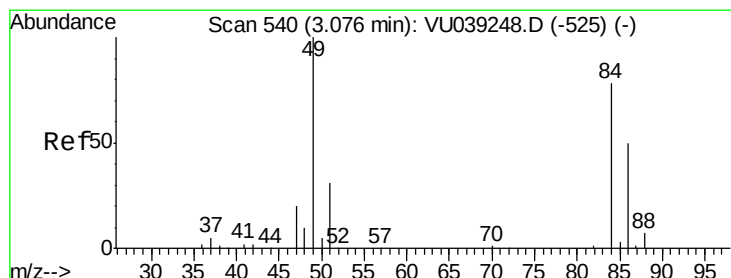
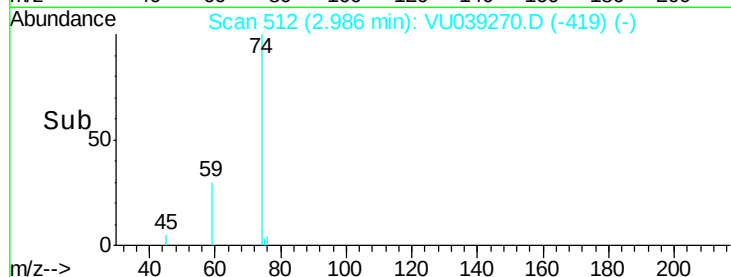
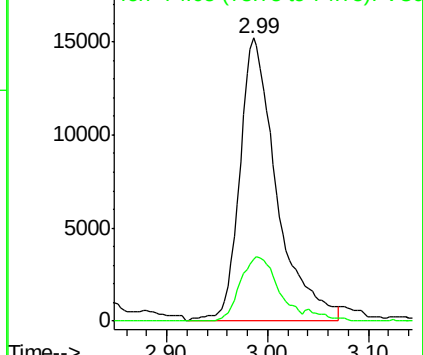
43 100

74 23.1 19.6 29.4



Abundance Ion 43.05 (42.75 to 43.75): VU039270.D (-447) (-)

Ion 74.05 (73.75 to 74.75): VU039270.D (-447) (-)



#16

Methylene chloride

Concen: 4.417 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

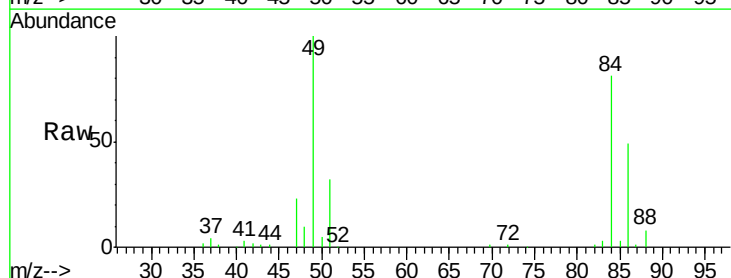
Tgt Ion: 84 Resp: 85281

Ion Ratio Lower Upper

84 100

86 61.0 44.9 83.5

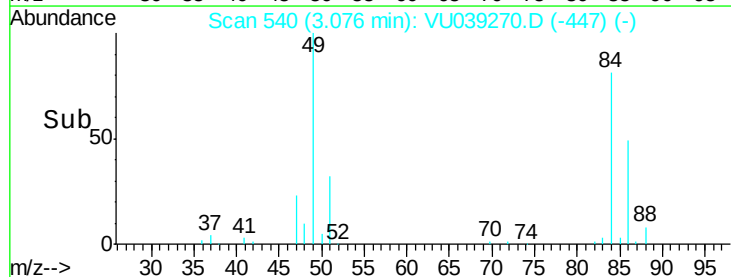
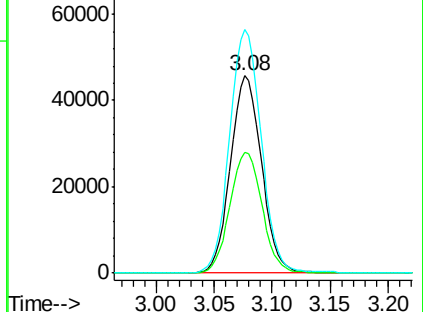
49 123.4 88.4 164.2

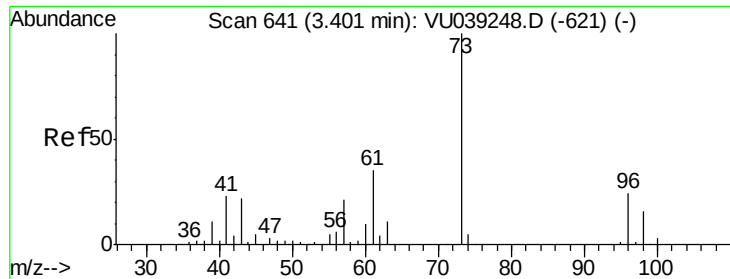


Abundance Ion 84.05 (83.75 to 84.75): VU039270.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU039270.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU039270.D (-447) (-)

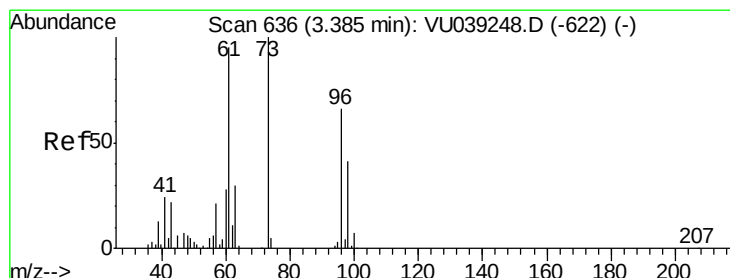
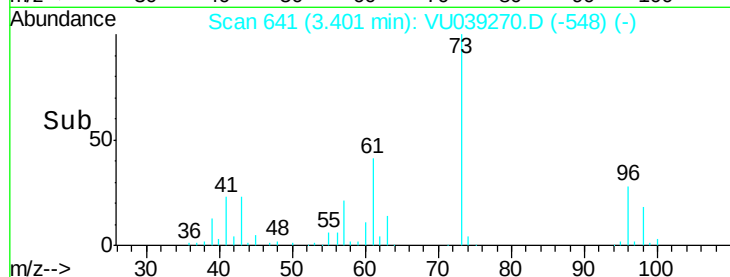
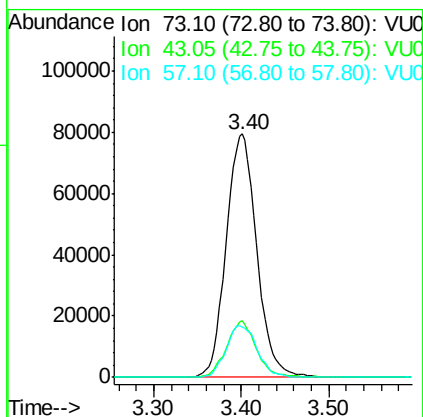
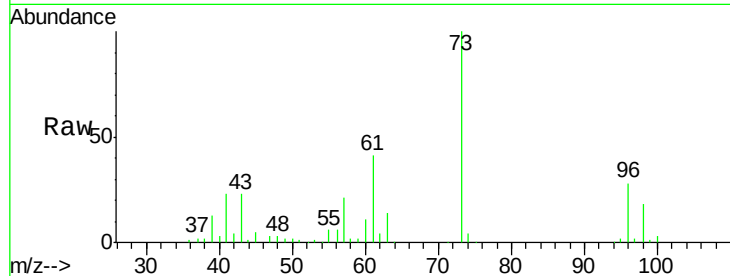




#17
Methyl tert-butyl Ether
Concen: 5.049 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

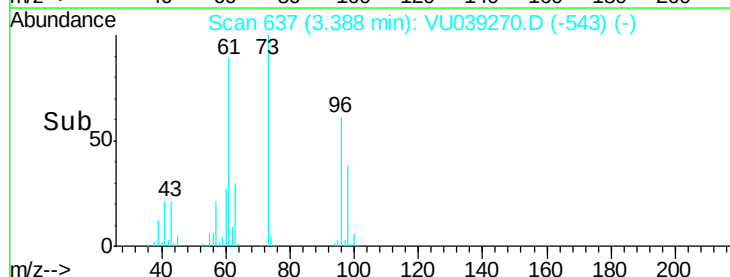
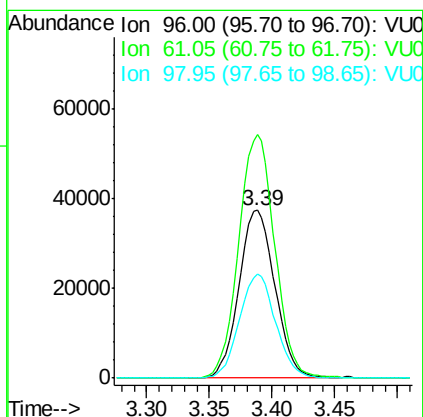
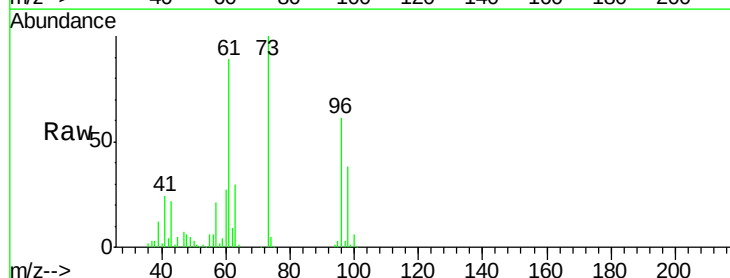
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

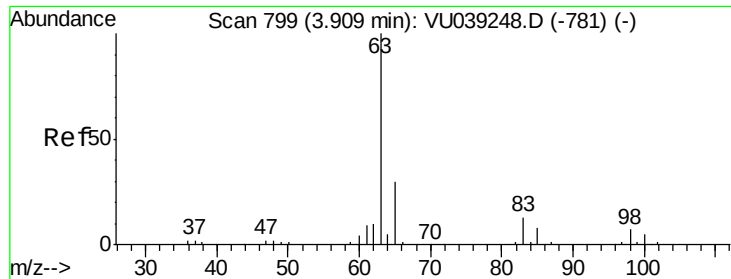
Tgt Ion: 73 Resp: 192545
Ion Ratio Lower Upper
73 100
43 22.5 17.4 26.0
57 21.6 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.121 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

Tgt Ion: 96 Resp: 74278
Ion Ratio Lower Upper
96 100
61 145.1 103.3 191.8
98 61.8 44.0 81.8

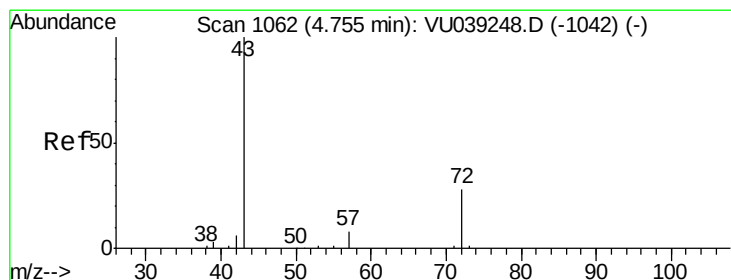
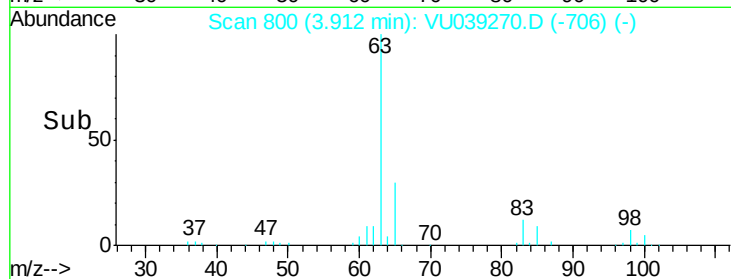
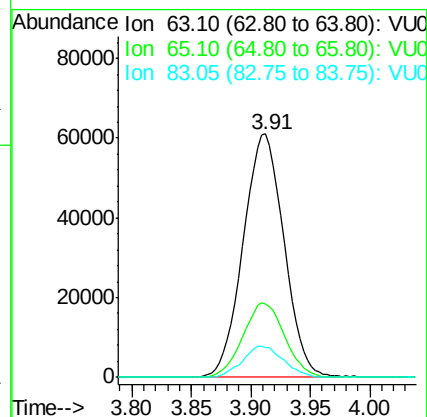
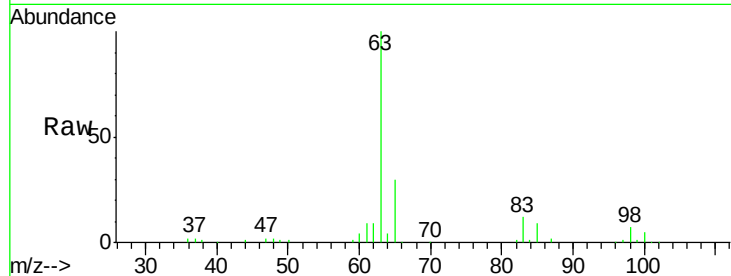




#19
 1,1-Dichloroethane
 Concen: 5.103 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

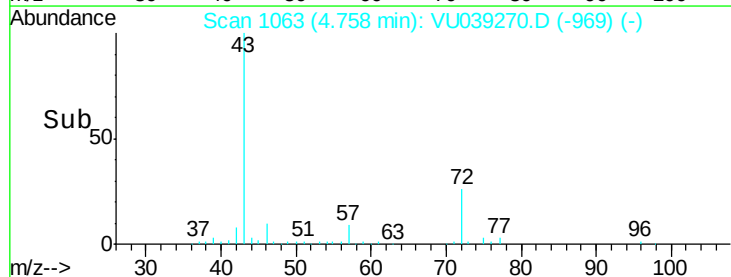
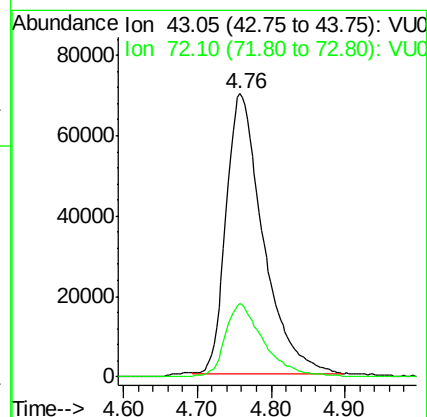
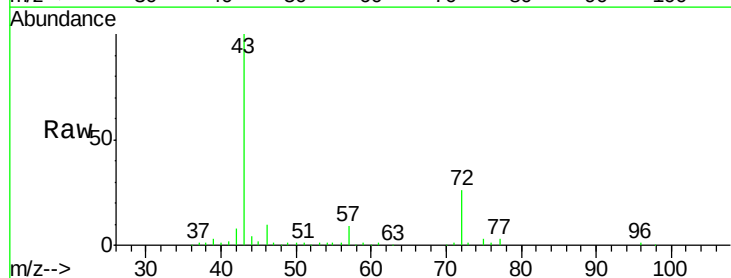
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

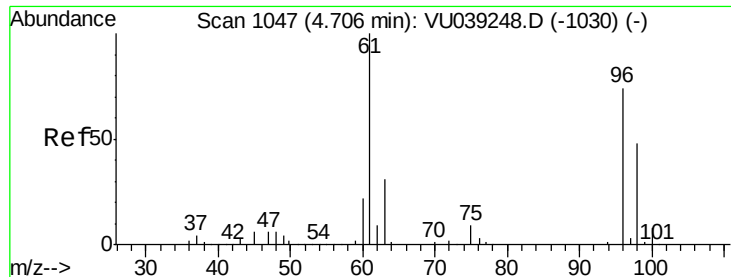
Tgt Ion: 63 Resp: 145142
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.9 40.7
 83 12.5 9.2 17.2



#21
 2-Butanone
 Concen: 45.500 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion: 43 Resp: 242633
 Ion Ratio Lower Upper
 43 100
 72 27.5 13.7 41.0





#22

cis-1,2-Dichloroethene

Concen: 5.117 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

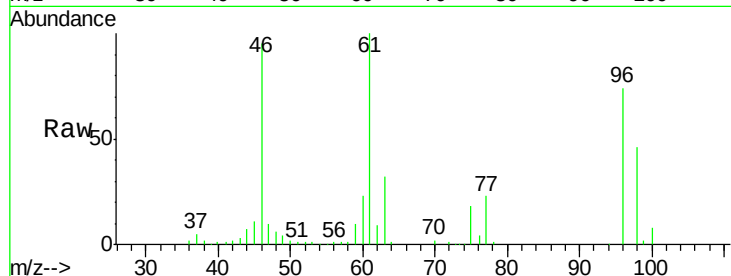
Tgt Ion: 96 Resp: 78511

Ion Ratio Lower Upper

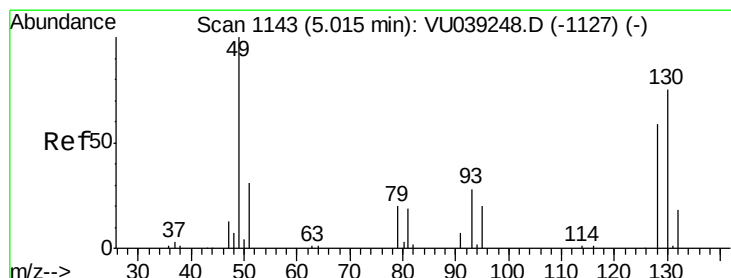
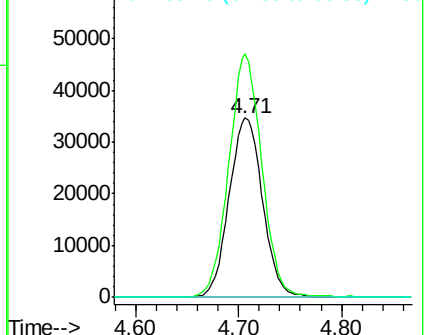
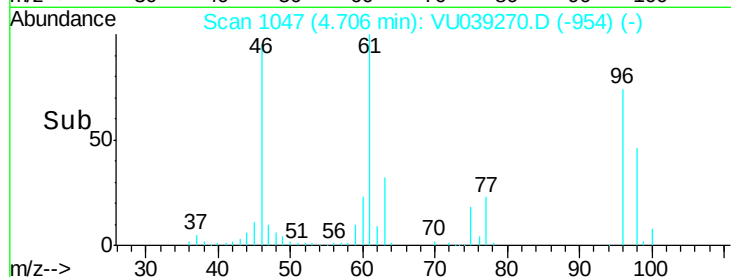
96 100

61 135.8 94.2 175.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039270.D (-954) (-)



#23

Bromochloromethane

Concen: 5.355 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Tgt Ion: 128 Resp: 37554

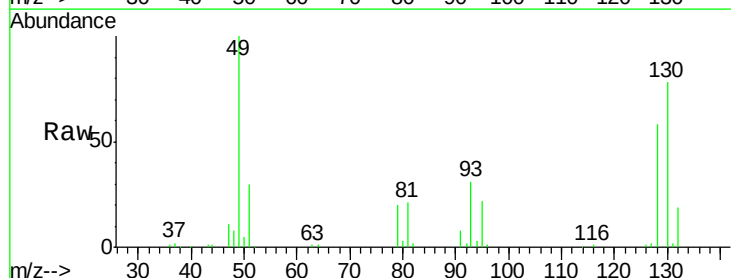
Ion Ratio Lower Upper

128 100

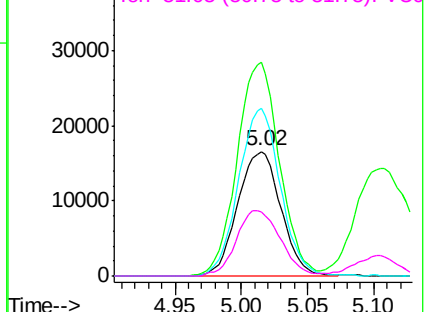
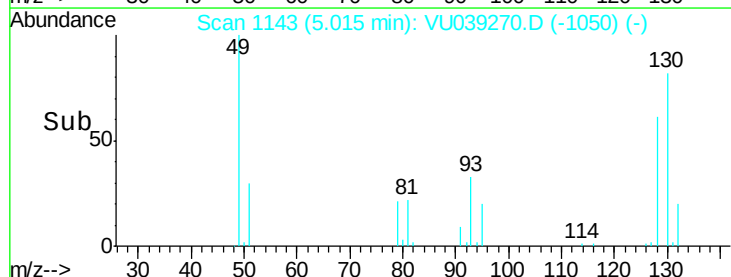
49 171.8 119.1 221.1

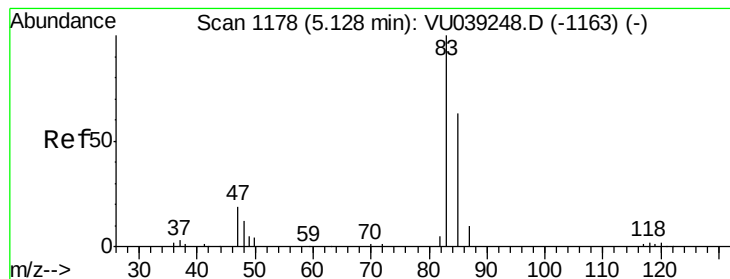
130 134.5 87.8 163.2

51 51.1 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): VU039270.D (-1050) (-)





#25

Chloroform

Concen: 5.191 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

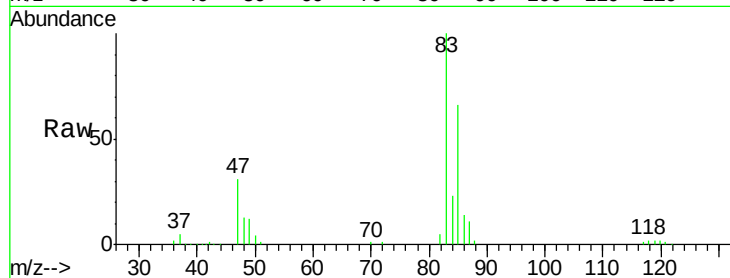
VSTD00526

Tgt Ion: 83 Resp: 150879

Ion Ratio Lower Upper

83 100

85 65.8 47.0 87.4



Abundance Ion 83.05 (82.75 to 83.75): VU039270.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU039270.D (-1085) (-)

5.13

80000

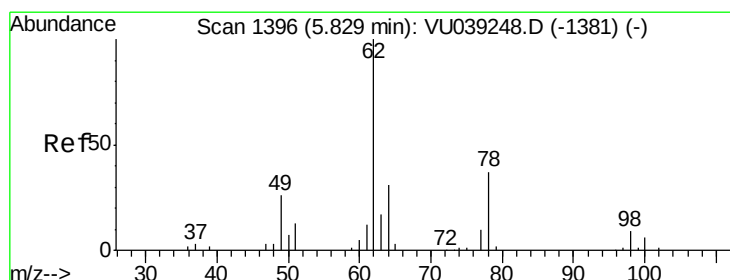
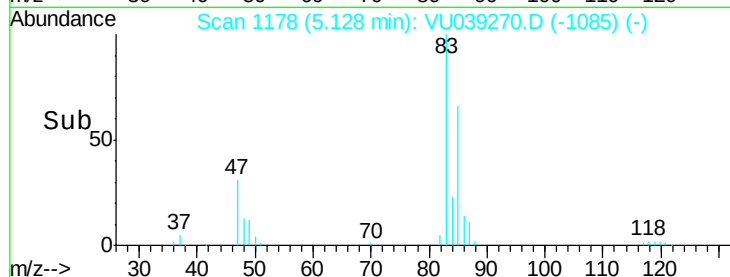
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.238 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU039270.D

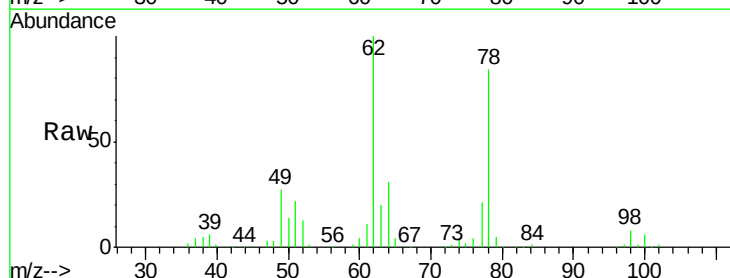
Acq: 01 Jul 2020 09:16

Tgt Ion: 62 Resp: 111128

Ion Ratio Lower Upper

62 100

98 8.1 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU039270.D (-1303) (-)

Ion 98.05 (97.75 to 98.75): VU039270.D (-1303) (-)

5.83

60000

50000

40000

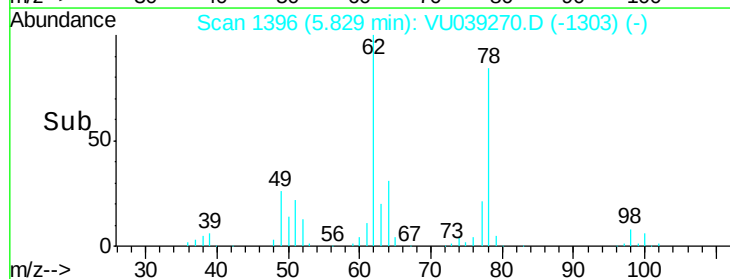
30000

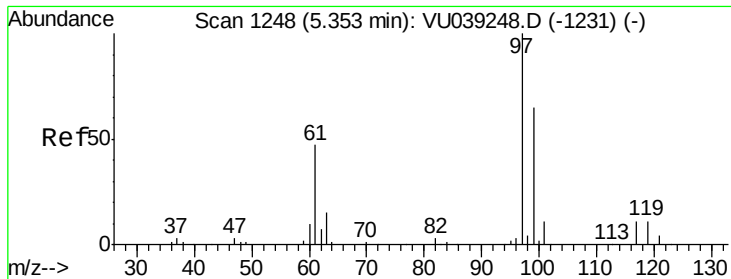
20000

10000

0

Time-->

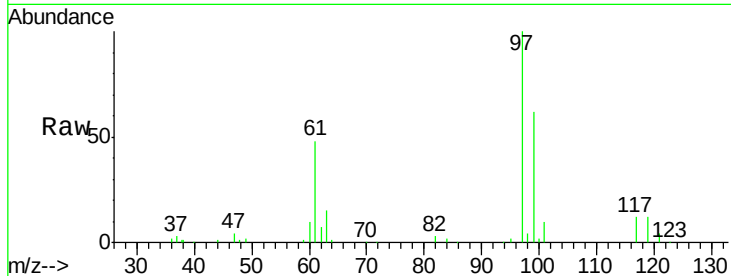




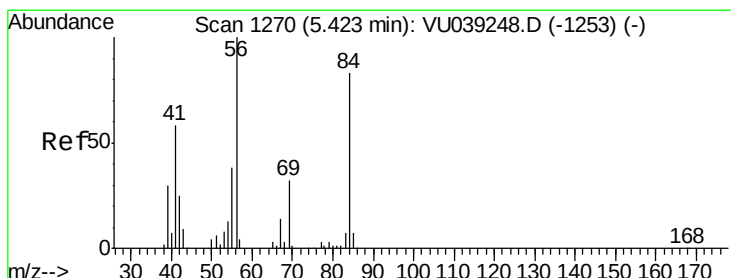
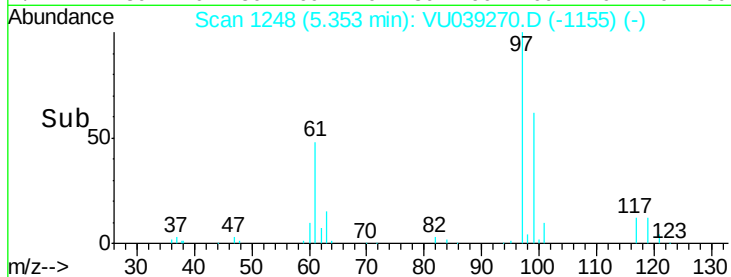
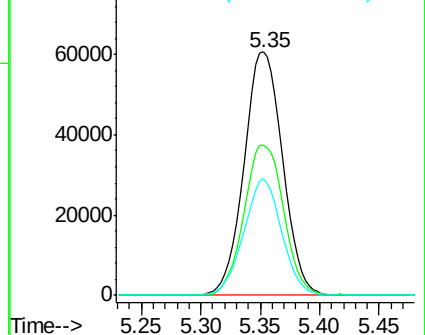
#29
 1,1,1-Trichloroethane
 Concen: 5.476 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 97 Resp: 136230
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.2 78.2
 61 47.0 37.2 55.8

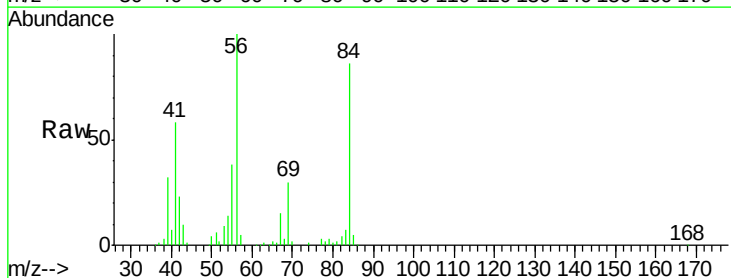


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

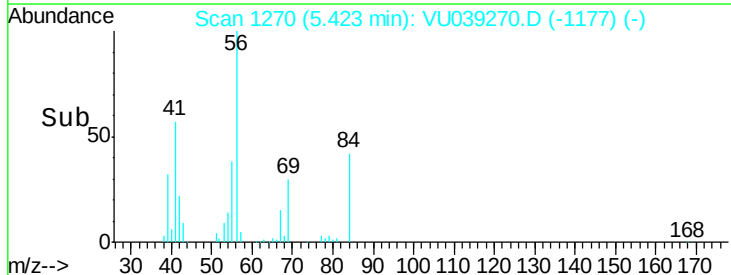
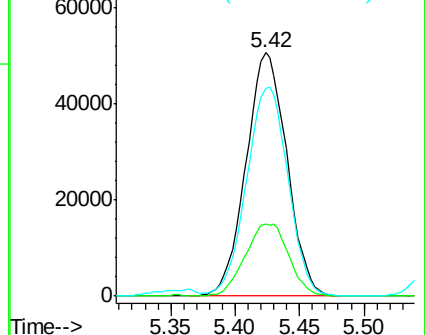


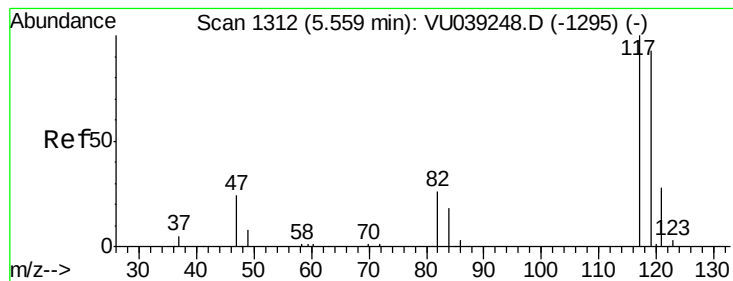
#30
 Cyclohexane
 Concen: 4.848 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion: 56 Resp: 111969
 Ion Ratio Lower Upper
 56 100
 69 31.7 23.9 35.9
 84 87.5 68.1 102.1



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: 5.590 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

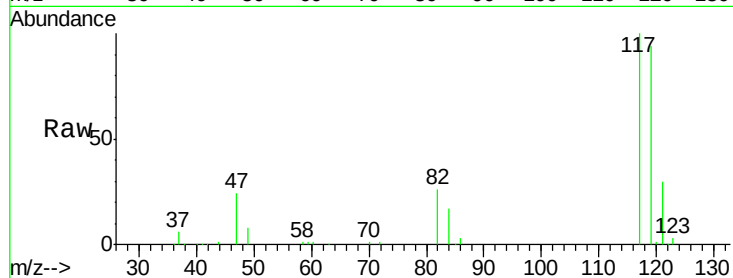
VSTD00526

Tgt Ion:117 Resp: 117565

Ion Ratio Lower Upper

117 100

119 95.1 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

60000

50000

40000

30000

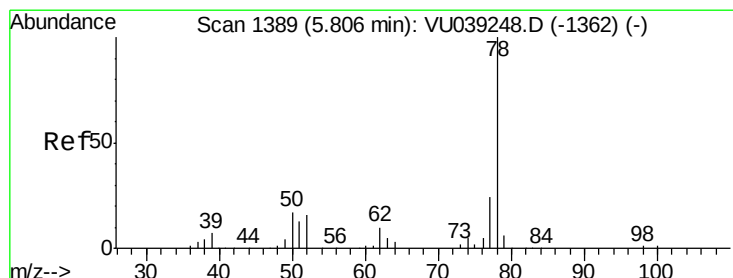
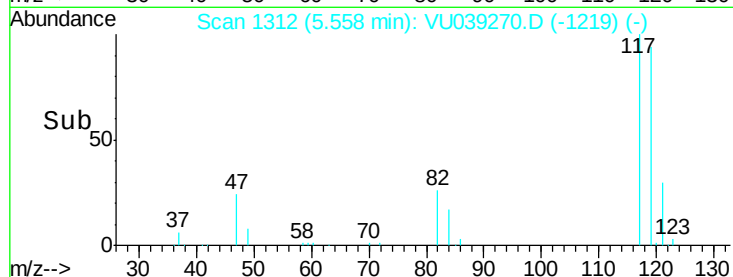
20000

10000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.157 ug/L

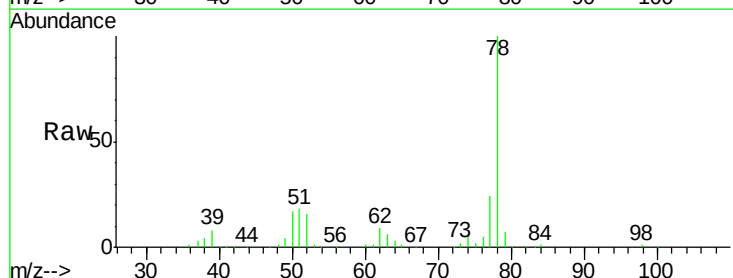
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Tgt Ion: 78 Resp: 306690



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

150000

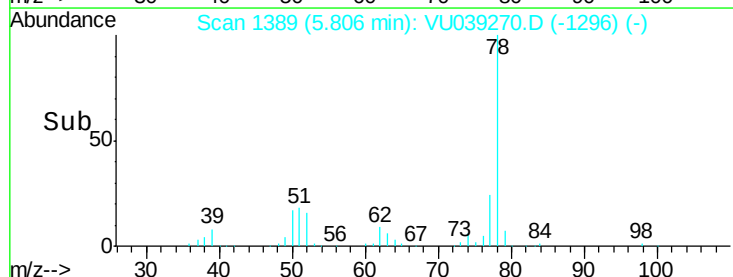
100000

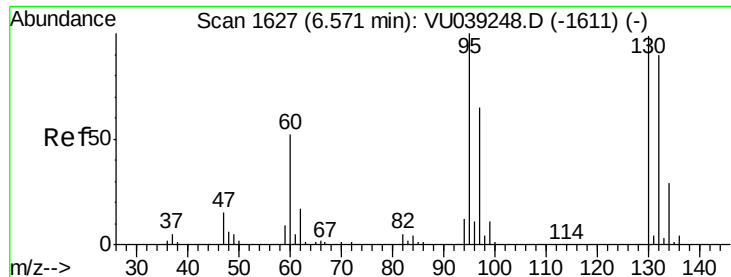
50000

0

Time-->

5.70 5.80 5.90

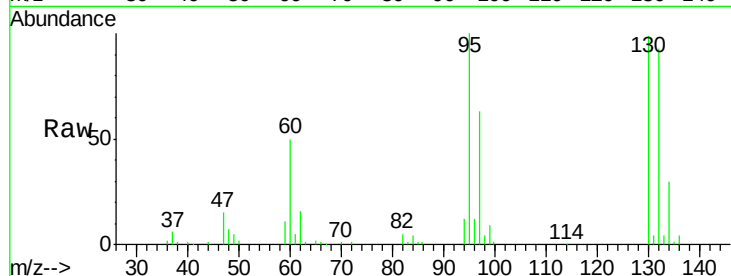




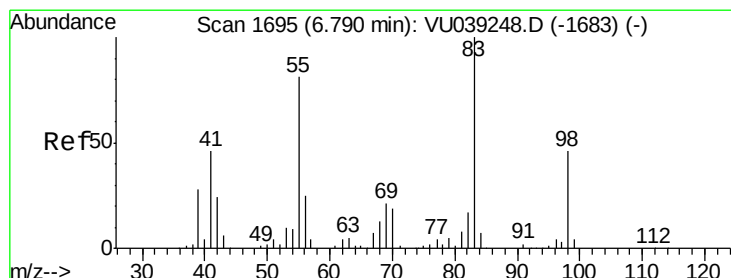
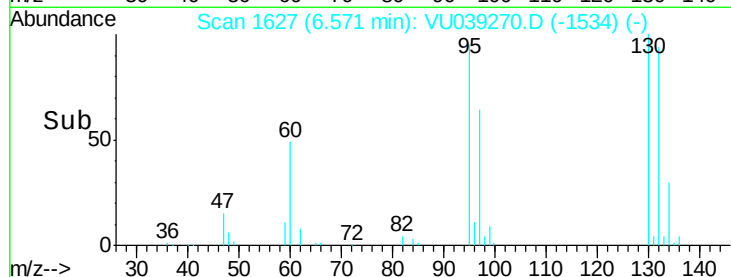
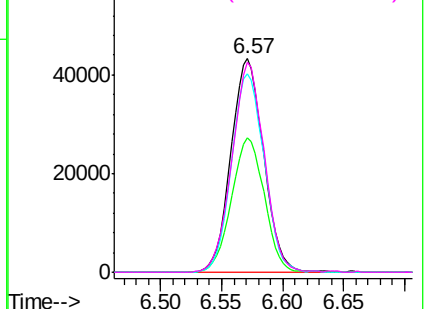
#34
 Trichloroethene
 Concen: 5.154 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 95 Resp: 80557
 Ion Ratio Lower Upper
 95 100
 97 62.8 44.0 81.8
 132 93.0 64.9 120.5
 130 98.5 68.7 127.5

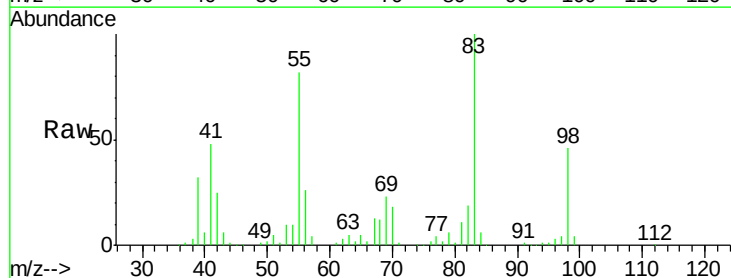


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

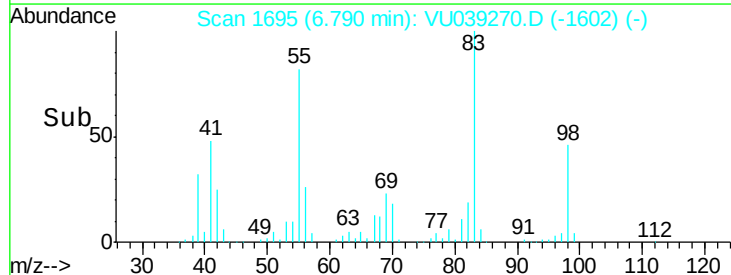
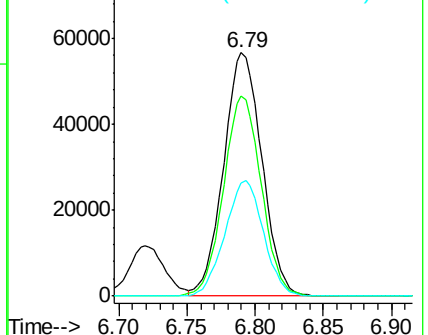


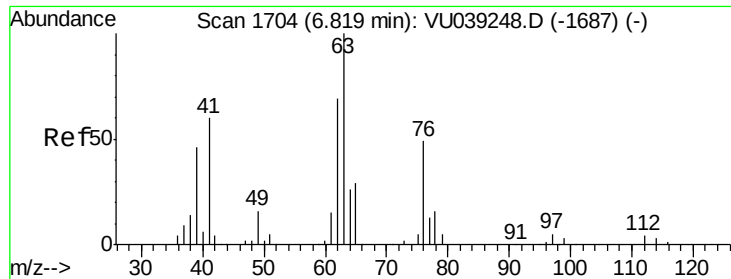
#35
 Methylcyclohexane
 Concen: 4.714 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion: 83 Resp: 110111
 Ion Ratio Lower Upper
 83 100
 55 81.1 64.4 96.6
 98 47.7 37.9 56.9



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

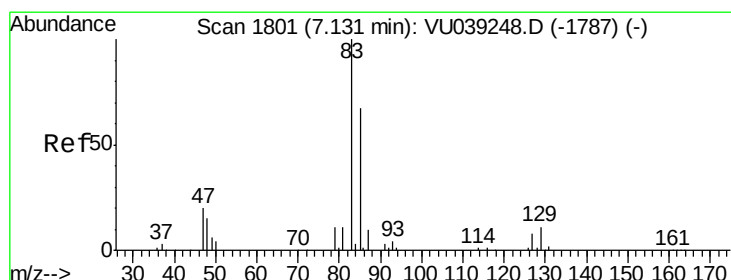
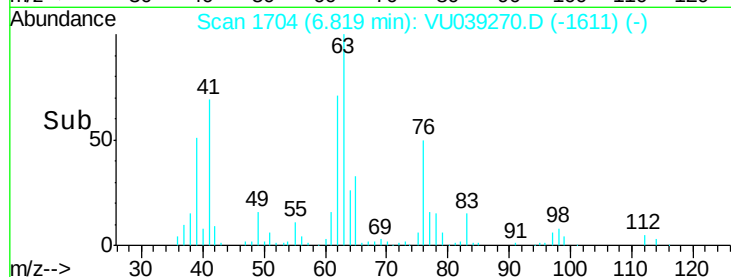
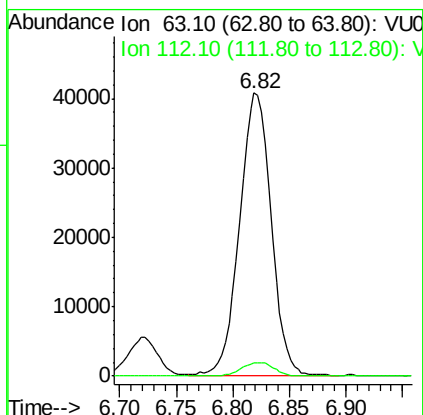
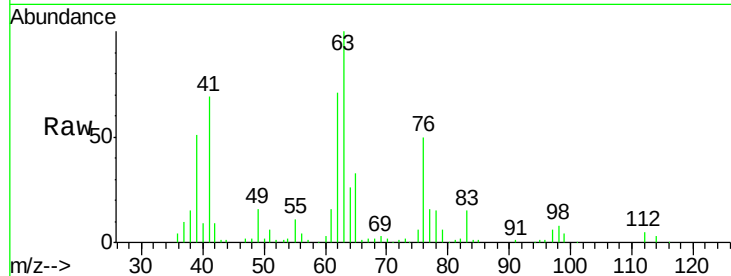




#37
 1,2-Dichloropropane
 Concen: 4.947 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

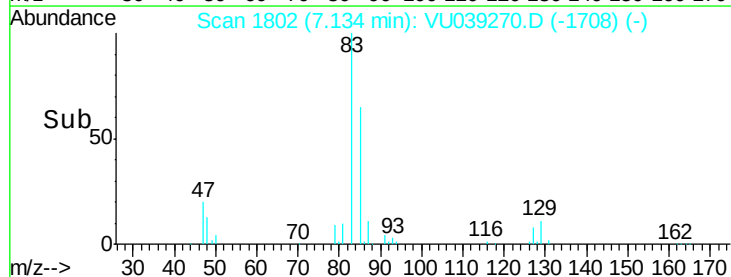
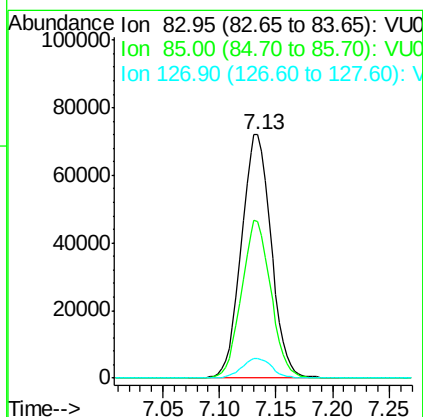
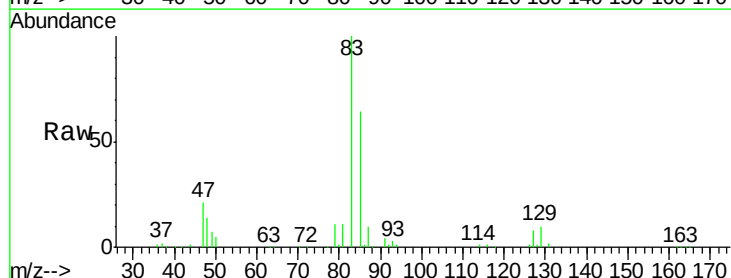
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

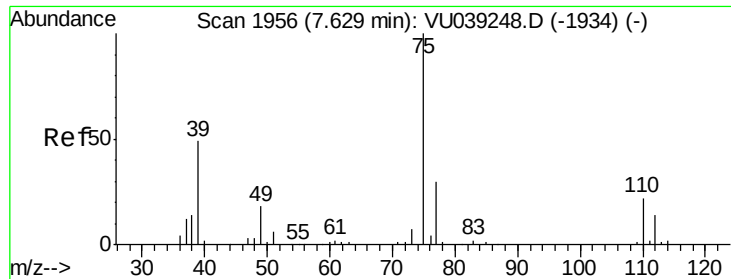
Tgt Ion: 63 Resp: 79549
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 6.230 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion: 83 Resp: 132403
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.6 84.8
 127 8.0 6.1 9.1

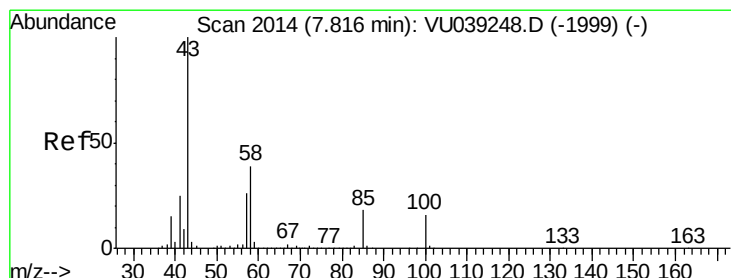
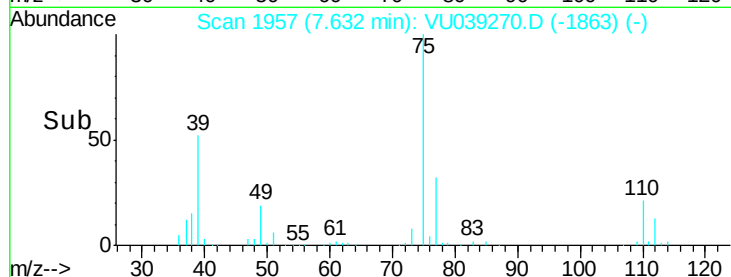
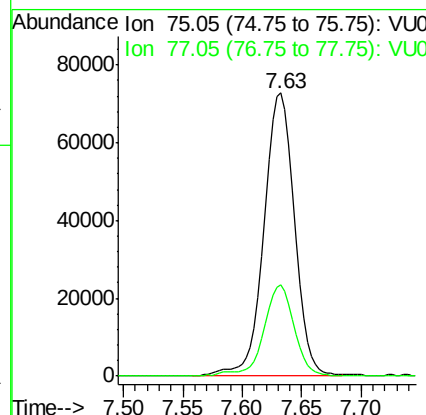
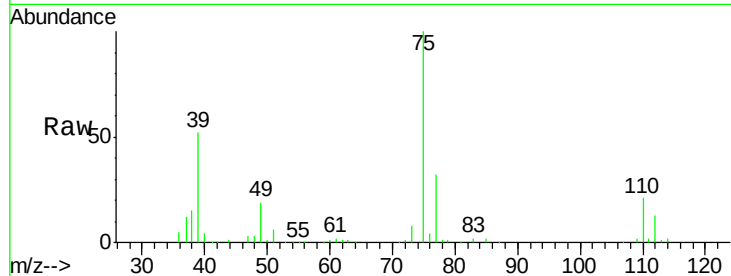




#39
 cis-1,3-Dichloropropene
 Concen: 5.700 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

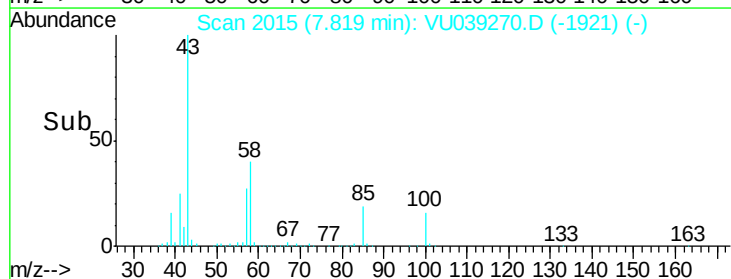
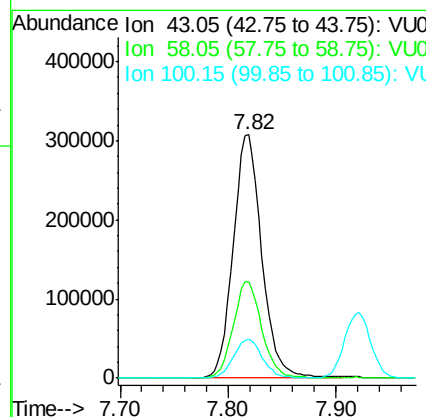
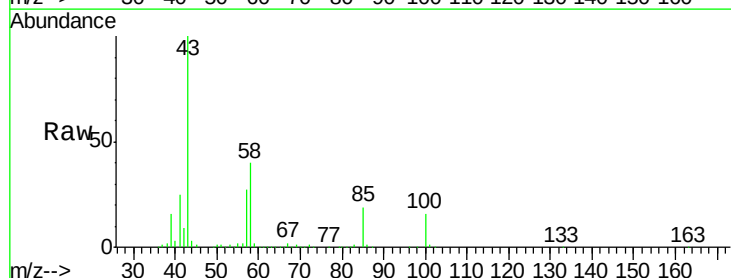
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

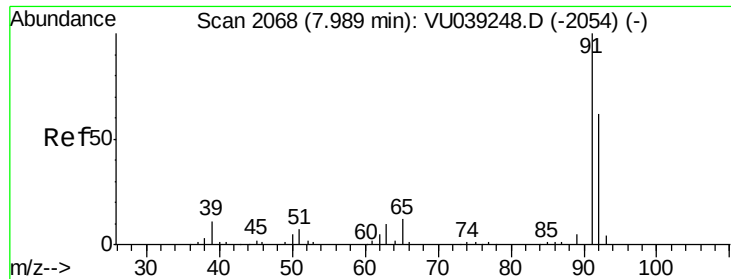
Tgt Ion: 75 Resp: 130124
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 47.338 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion: 43 Resp: 569316
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.1 46.7
 100 16.1 12.4 18.6





#42

Toluene

Concen: 5.308 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

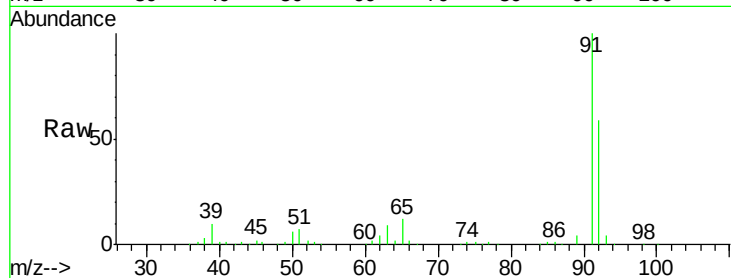
VSTD00526

Tgt Ion: 91 Resp: 323483

Ion Ratio Lower Upper

91 100

92 59.2 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU039248.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039270.D (-1975) (-)

7.99

200000

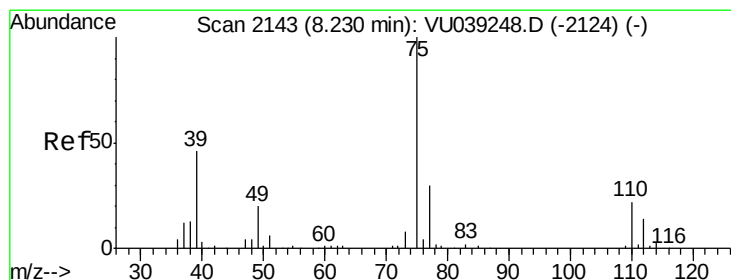
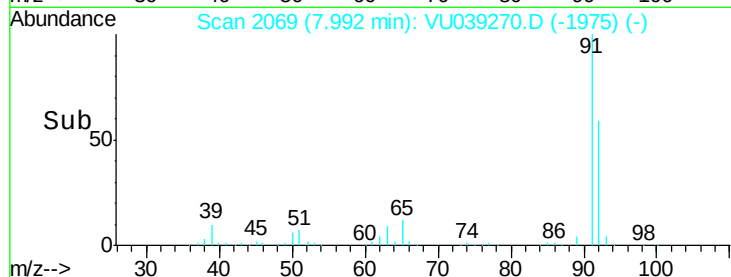
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.827 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039270.D

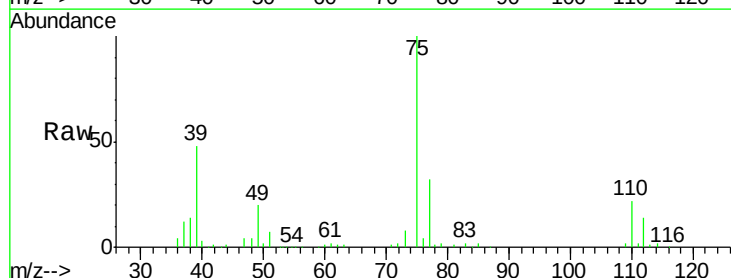
Acq: 01 Jul 2020 09:16

Tgt Ion: 75 Resp: 103908

Ion Ratio Lower Upper

75 100

77 32.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU039248.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU039270.D (-2050) (-)

8.23

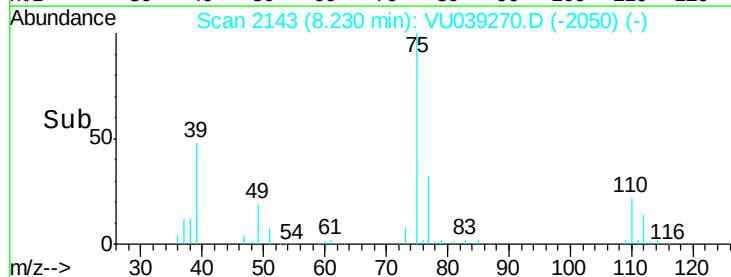
60000

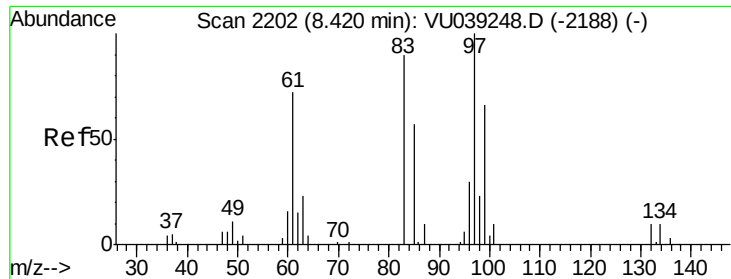
40000

20000

0

Time-->

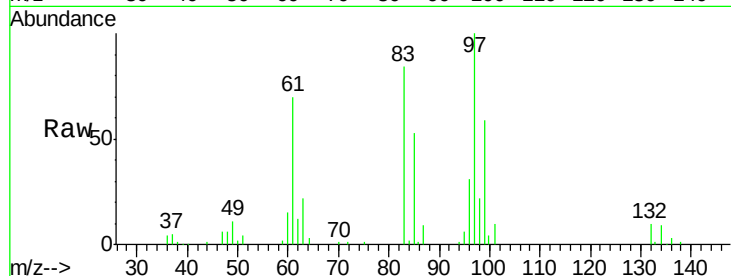




#45
 1,1,2-Trichloroethane
 Concen: 5.105 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:	97	Resp:	62238
Ion	Ratio	Lower	Upper
97	100		
99	59.2	43.7	81.1
83	84.0	58.9	109.3
85	53.3	37.9	70.3

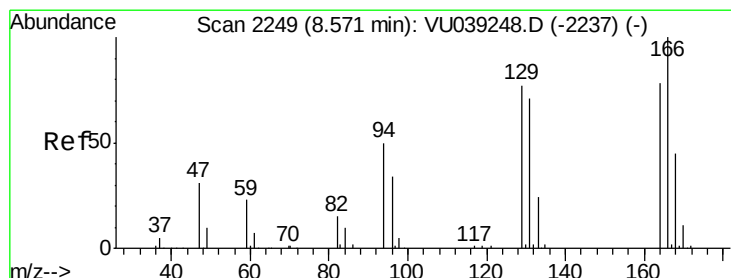
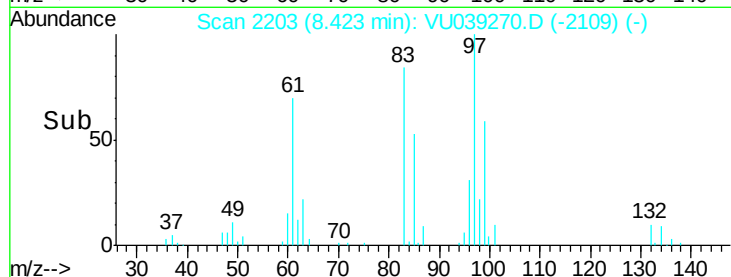
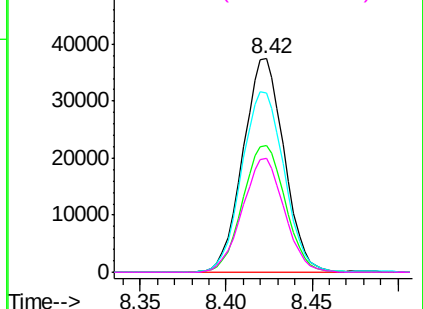


Abundance Ion 96.95 (96.65 to 97.65): VU039270.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039270.D (-2109) (-)

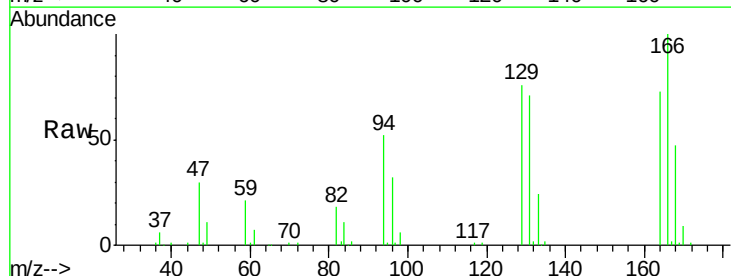
Ion 82.95 (82.65 to 83.65): VU039270.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039270.D (-2109) (-)



#47
 Tetrachloroethene
 Concen: 5.225 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion:	164	Resp:	57304
Ion	Ratio	Lower	Upper
164	100		
129	103.8	66.4	123.4
131	97.4	66.7	123.9
166	136.4	92.3	171.5

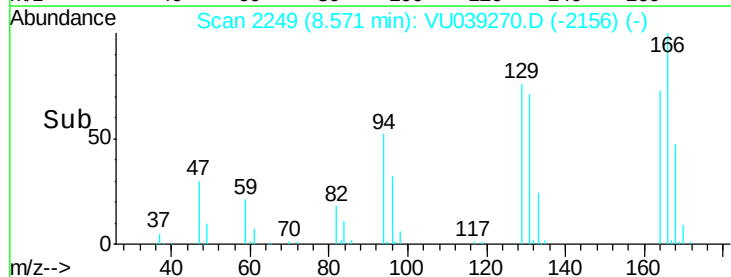
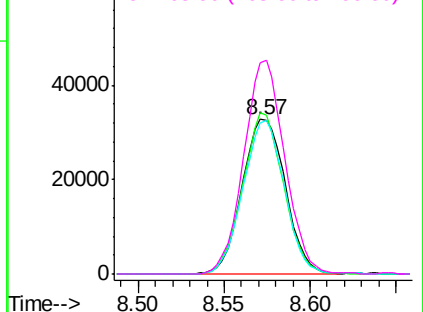


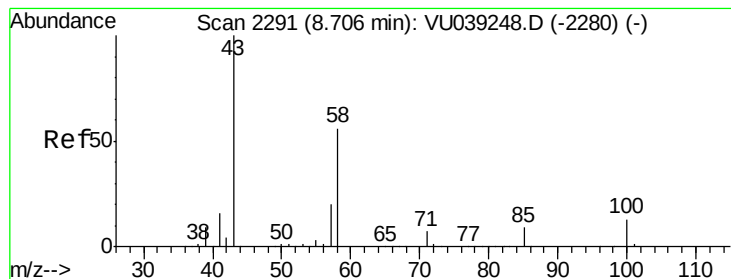
Abundance Ion 163.90 (163.60 to 164.60): VU039270.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU039270.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU039270.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU039270.D (-2156) (-)





#48

2-Hexanone

Concen: 48.304 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 43 Resp: 449237

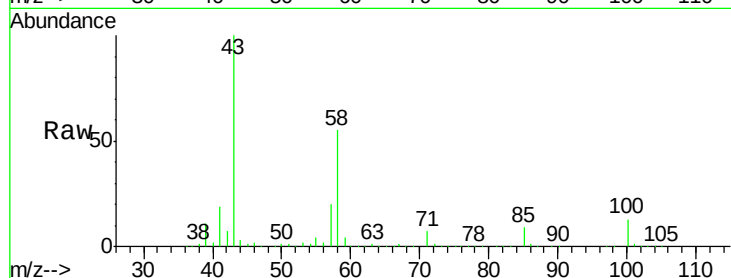
Ion Ratio Lower Upper

43 100

58 54.3 43.6 65.4

57 20.3 15.5 23.3

100 12.9 10.0 15.0

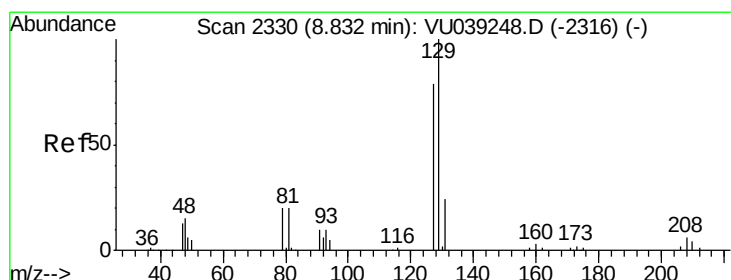
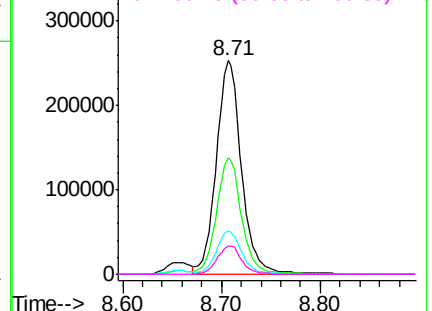
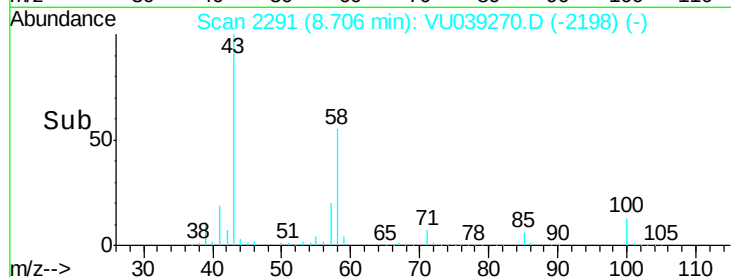


Abundance Ion 43.05 (42.75 to 43.75): VU039270.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU039270.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VU039270.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VU039270.D (-2198) (-)



#49

Dibromochloromethane

Concen: 5.484 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU039270.D

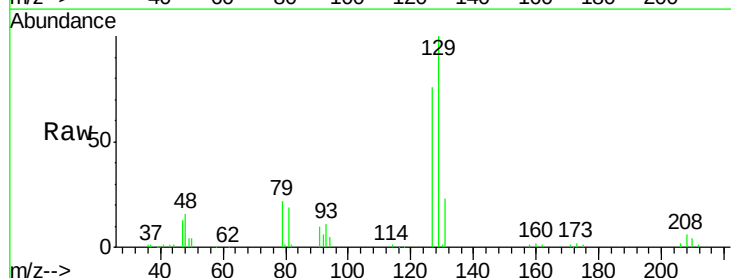
Acq: 01 Jul 2020 09:16

Tgt Ion: 129 Resp: 73743

Ion Ratio Lower Upper

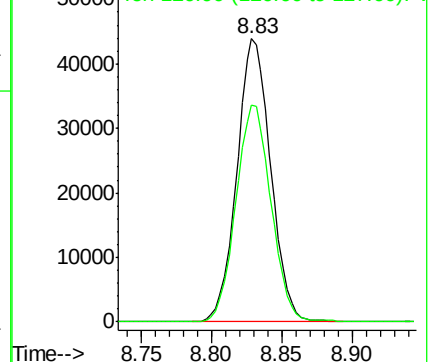
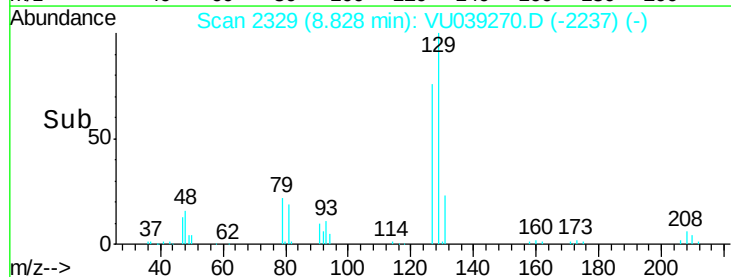
129 100

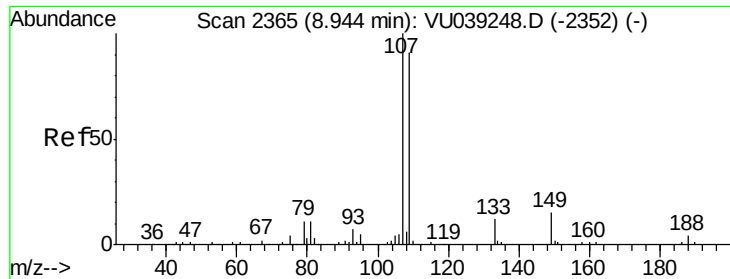
127 76.4 56.8 105.4



Abundance Ion 128.95 (128.65 to 129.65): VU039270.D (-2237) (-)

Ion 126.90 (126.60 to 127.60): VU039270.D (-2237) (-)

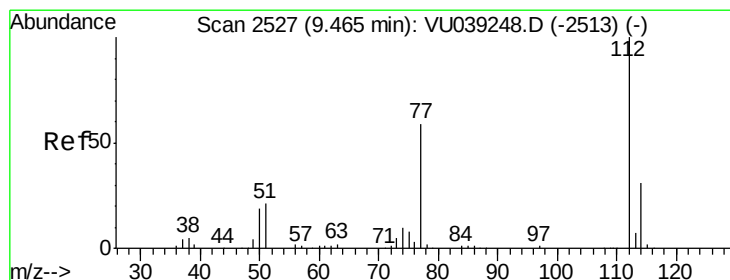
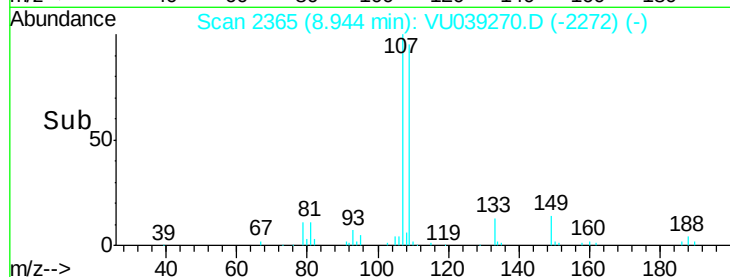
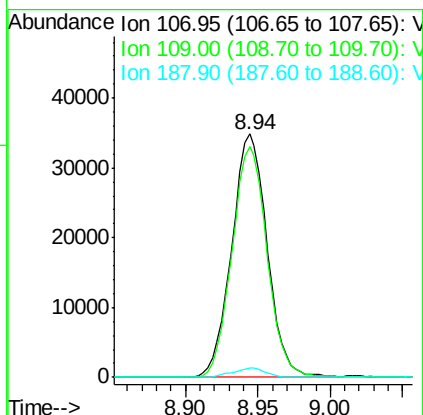
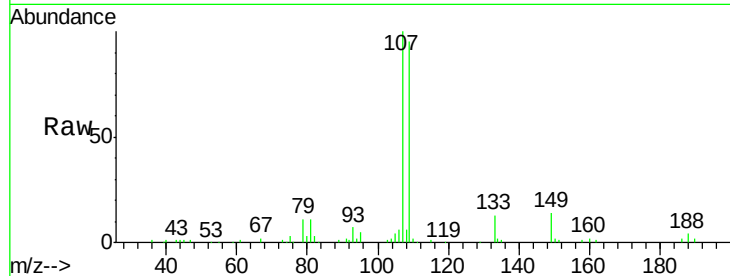




#50
1,2-Dibromoethane
Concen: 5.199 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

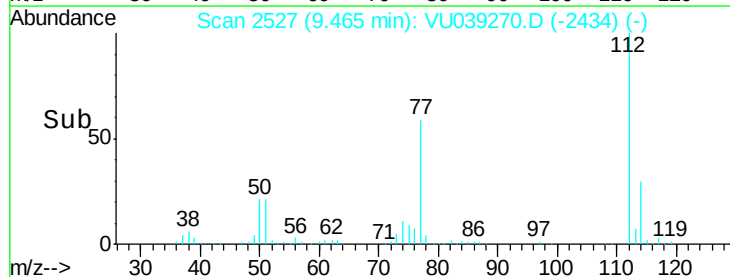
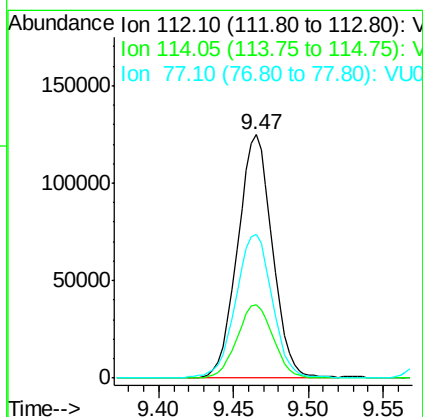
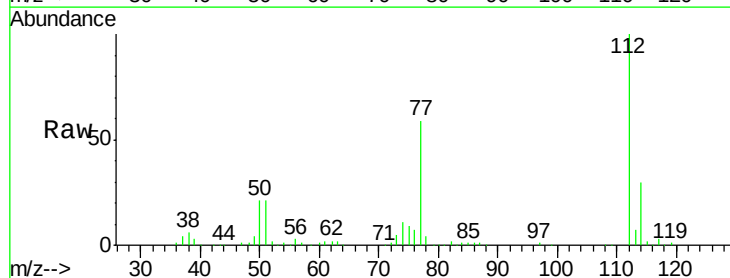
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

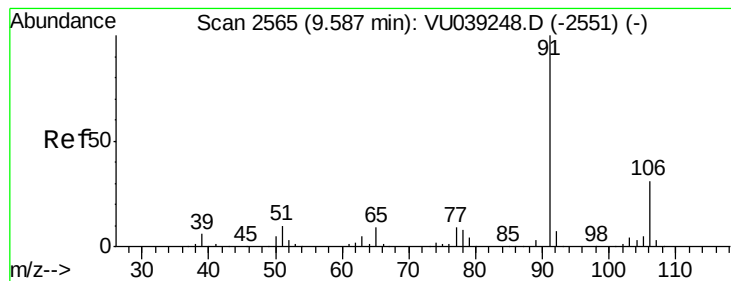
Tgt Ion:107 Resp: 59168
Ion Ratio Lower Upper
107 100
109 94.7 69.0 128.1
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 5.063 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

Tgt Ion:112 Resp: 201609
Ion Ratio Lower Upper
112 100
114 30.2 22.8 42.4
77 59.2 49.7 74.5





#52

Ethylbenzene

Concen: 4.916 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

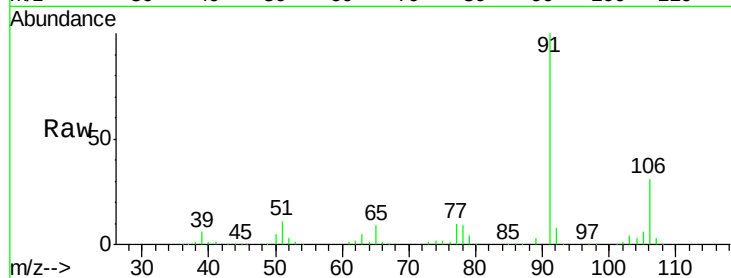
VSTD00526

Tgt Ion: 91 Resp: 331154

Ion Ratio Lower Upper

91 100

106 31.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039270.D (-2510) (-)

Ion 106.15 (105.85 to 106.85): VU039270.D (-2510) (-)

250000

200000

150000

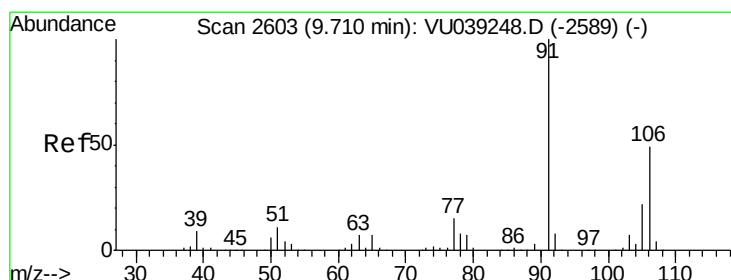
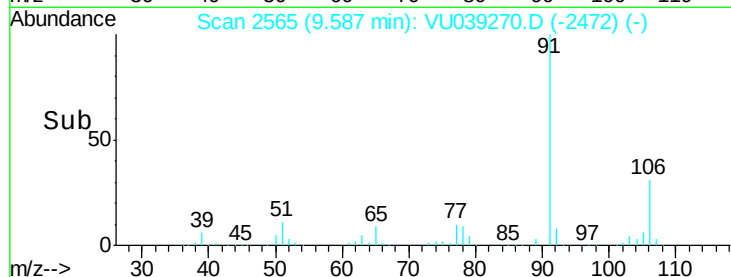
100000

50000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 5.134 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039270.D

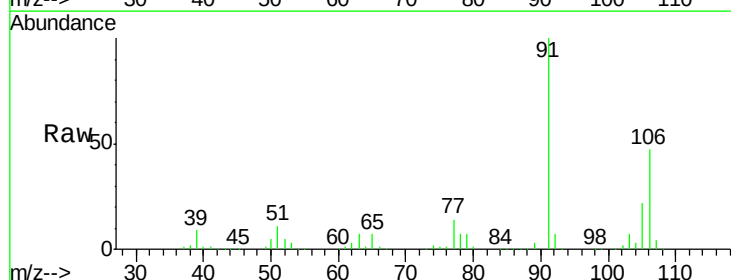
Acq: 01 Jul 2020 09:16

Tgt Ion: 106 Resp: 127615

Ion Ratio Lower Upper

106 100

91 210.8 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039270.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VU039270.D (-2510) (-)

200000

150000

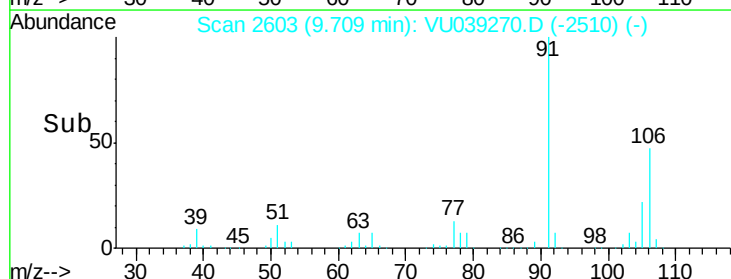
100000

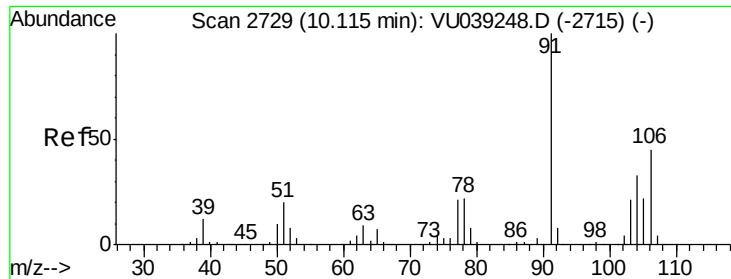
50000

0

9.60 9.70 9.80

Time-->

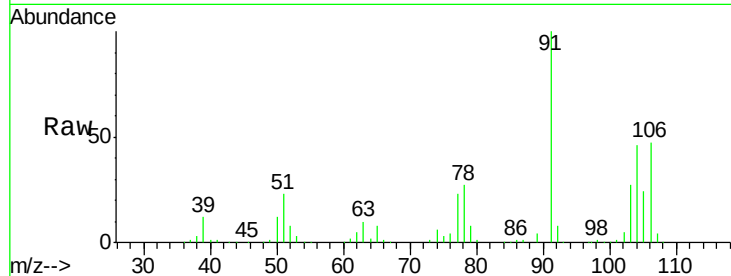




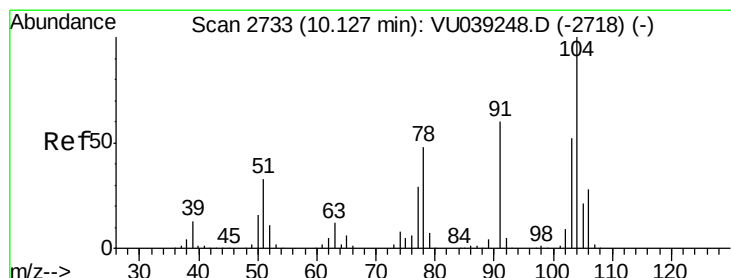
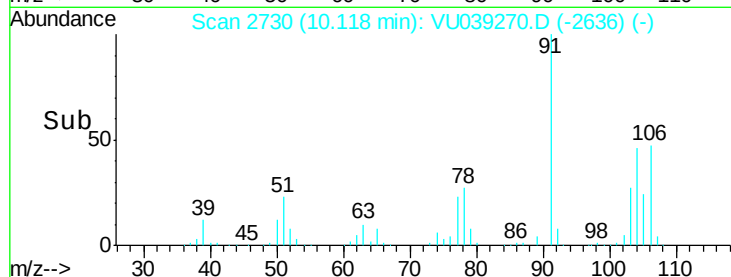
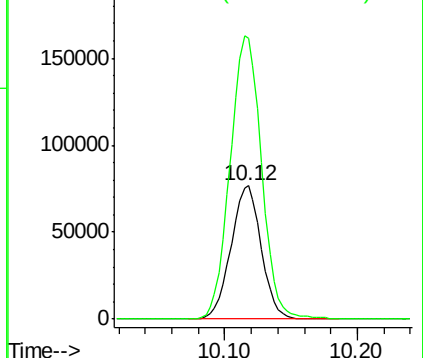
#54
o-Xylene
Concen: 5.173 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion:106 Resp: 121550
Ion Ratio Lower Upper
106 100
91 211.1 154.2 286.4

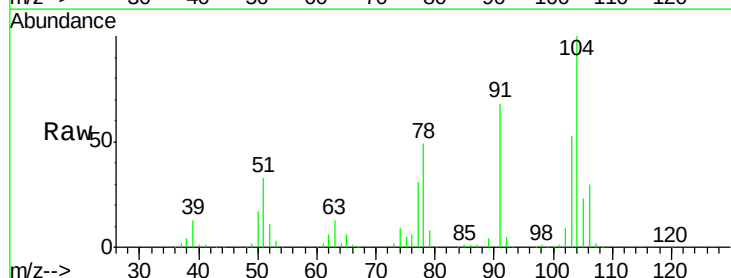


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

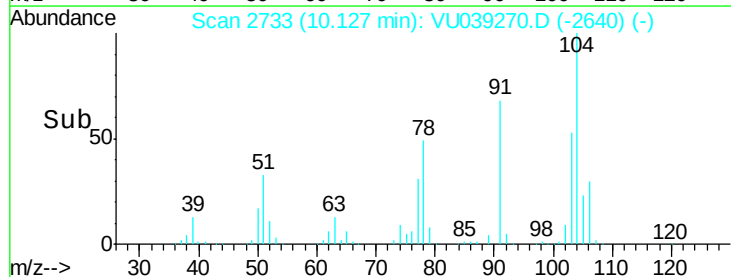
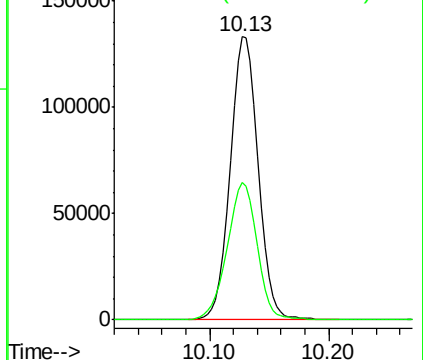


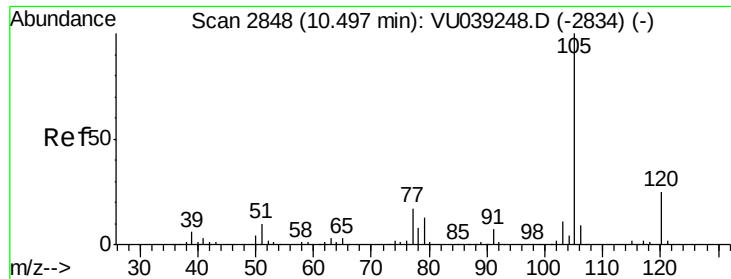
#55
Styrene
Concen: 5.337 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU039270.D
Acq: 01 Jul 2020 09:16

Tgt Ion:104 Resp: 216674
Ion Ratio Lower Upper
104 100
78 48.6 35.1 65.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.243 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampled :

VSTD00526

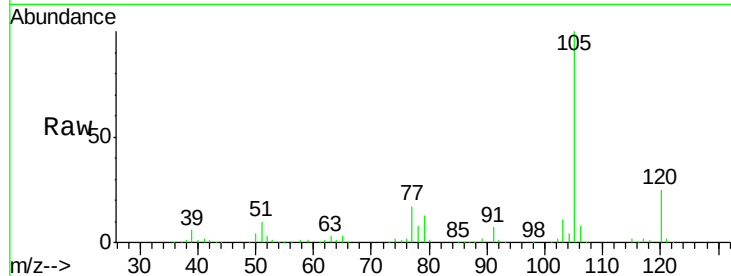
Tgt Ion: 105 Resp: 326296

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

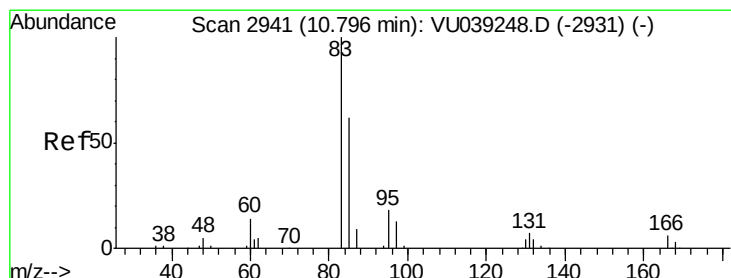
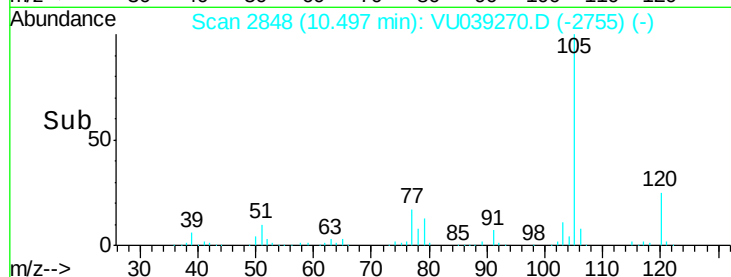
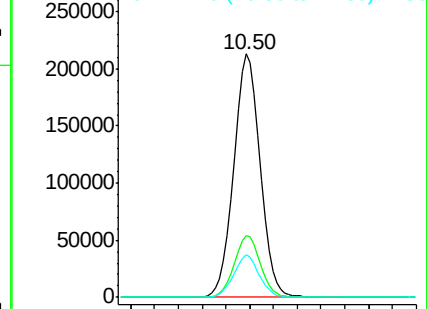
77 16.9 13.3 19.9



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: 4.825 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

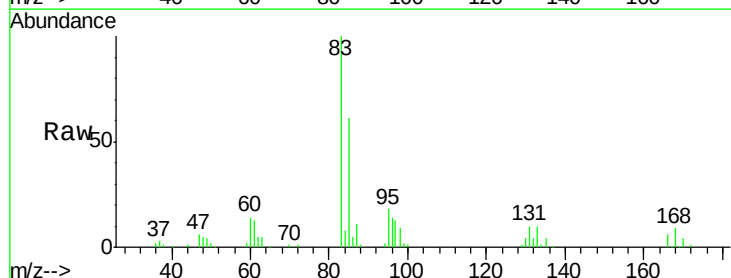
Tgt Ion: 83 Resp: 74296

Ion Ratio Lower Upper

83 100

85 60.8 45.4 84.4

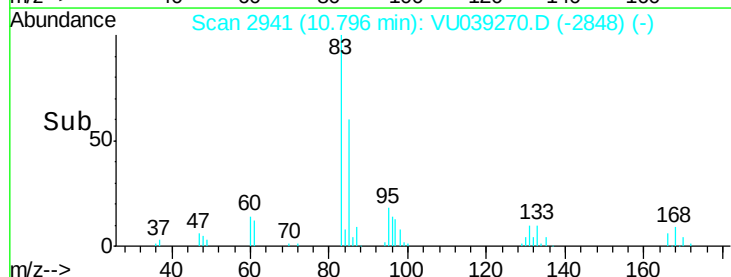
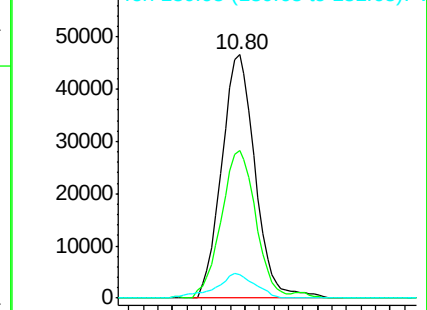
131 9.5 8.4 12.6

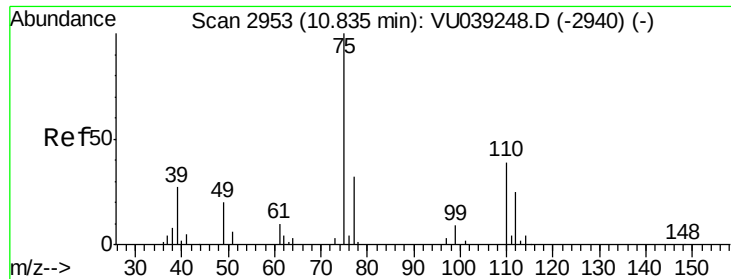


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.807 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

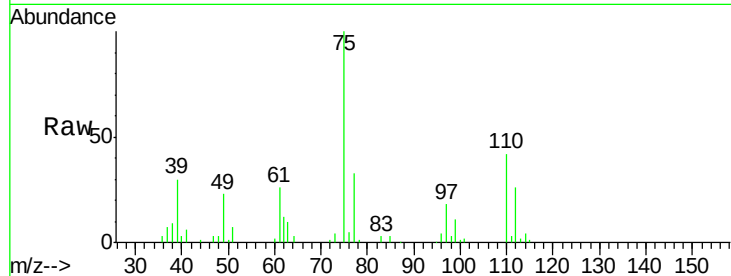
VSTD00526

Tgt Ion: 75 Resp: 59792

Ion Ratio Lower Upper

75 100

77 33.1 24.6 36.8

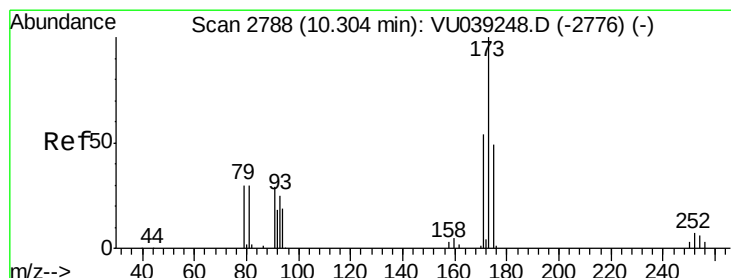
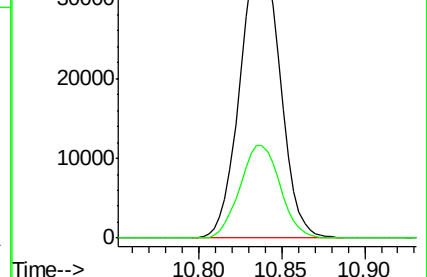
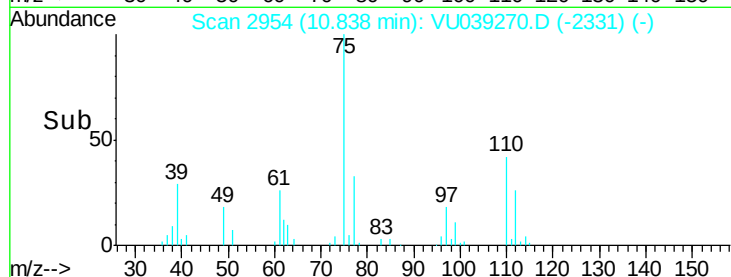


Abundance Ion 75.00 (74.70 to 75.70): VU039270.D (-2331) (-)

Ion 77.00 (76.70 to 77.70): VU039270.D (-2331) (-)

10.84

Time-->



#61

Bromoform

Concen: 5.101 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

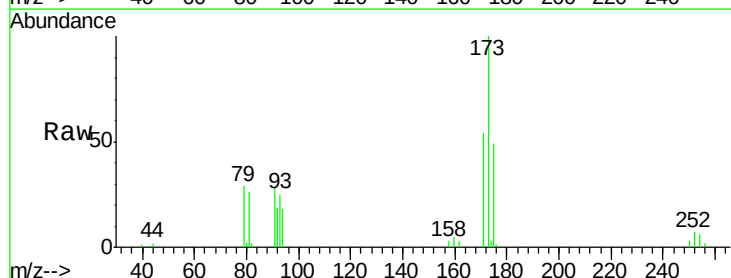
Tgt Ion: 173 Resp: 41593

Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

254 6.9 5.0 7.6



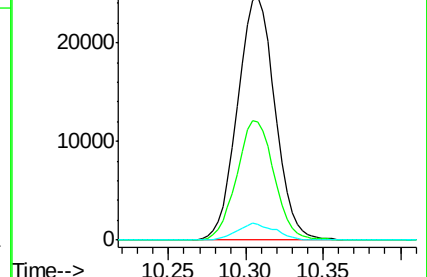
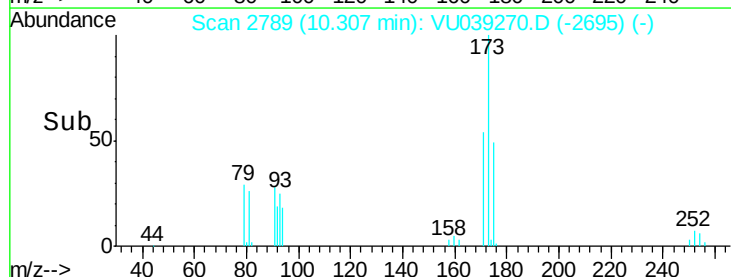
Abundance Ion 172.90 (172.60 to 173.60): VU039270.D (-2695) (-)

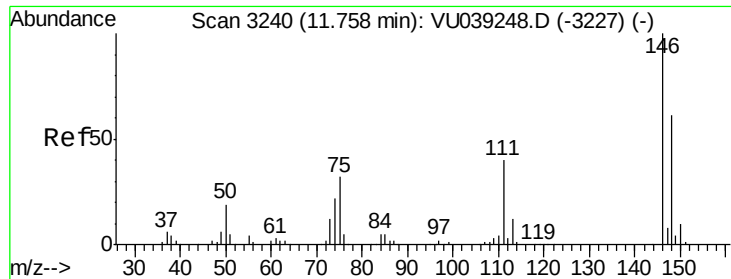
Ion 174.90 (174.60 to 175.60): VU039270.D (-2695) (-)

Ion 253.75 (253.45 to 254.45): VU039270.D (-2695) (-)

10.31

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.987 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

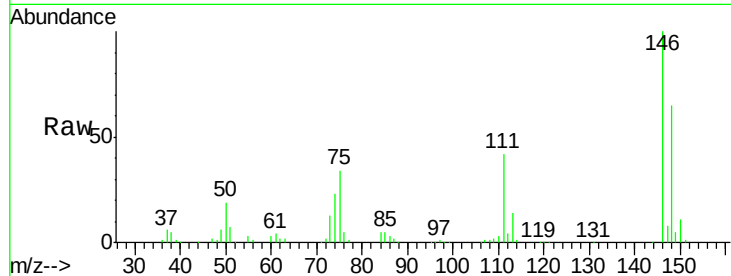
Tgt Ion:146 Resp: 156869

Ion Ratio Lower Upper

146 100

111 41.8 29.6 55.0

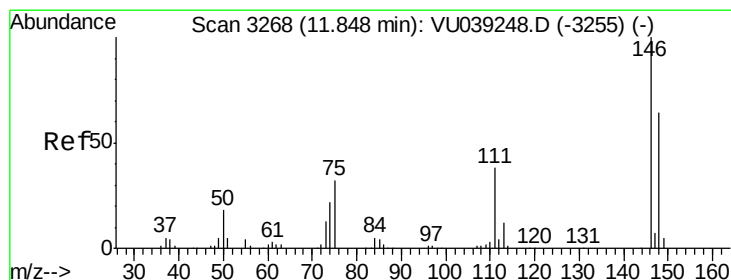
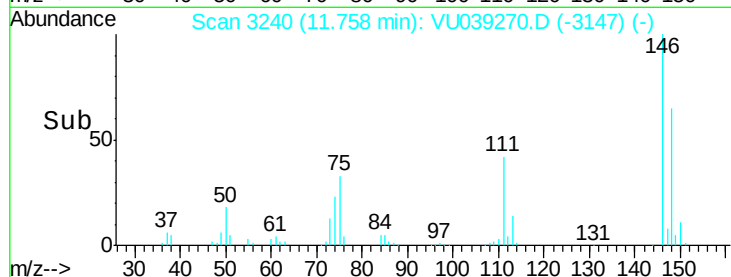
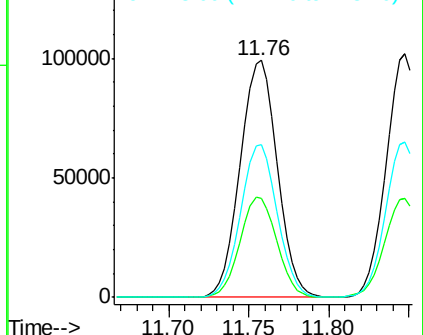
148 64.5 44.0 81.8



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: 4.883 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

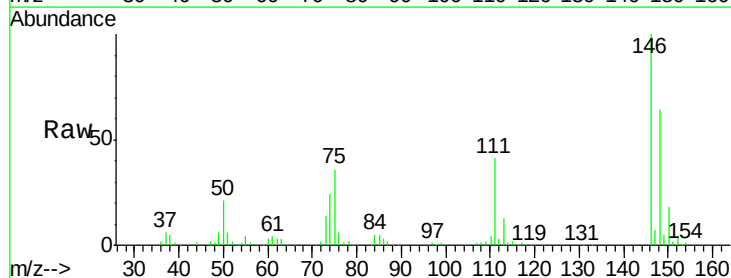
Tgt Ion:146 Resp: 158212

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.5

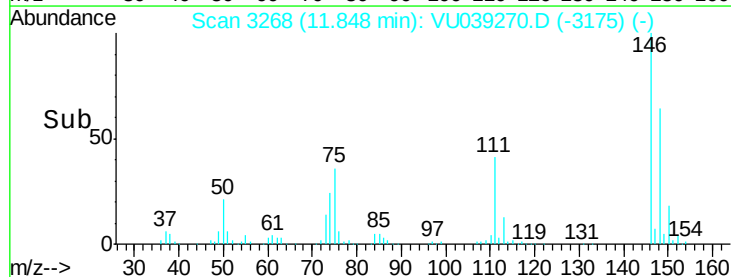
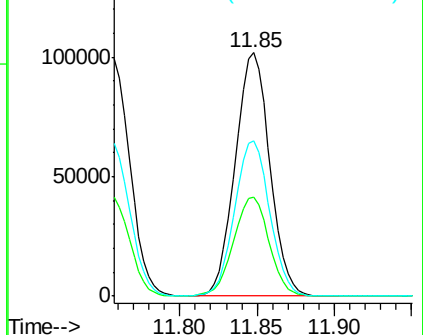
148 63.9 44.6 82.8

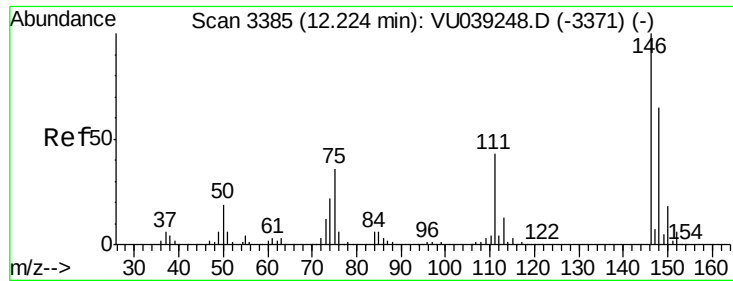


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.002 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

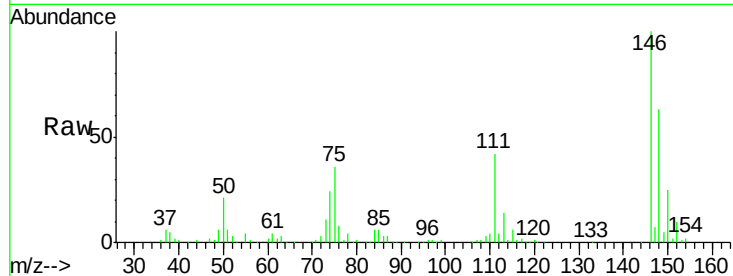
Tgt Ion:146 Resp: 153361

Ion Ratio Lower Upper

146 100

111 41.7 35.1 52.7

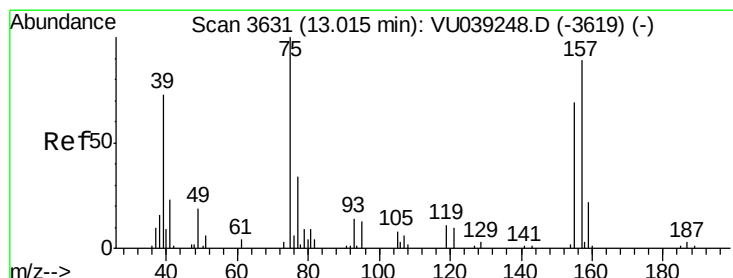
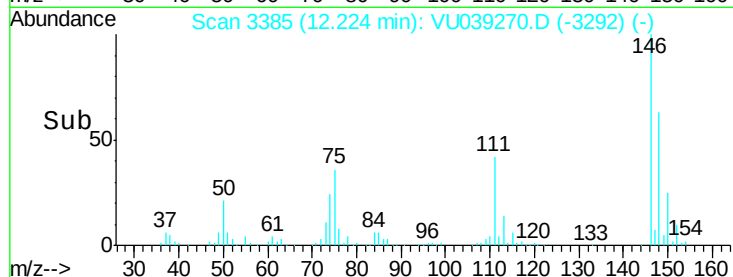
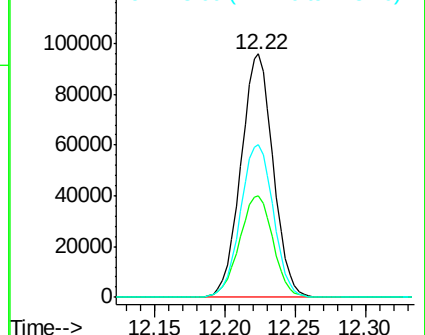
148 62.6 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.025 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

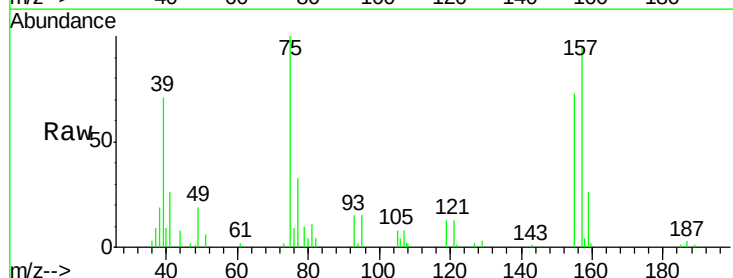
Tgt Ion: 75 Resp: 14557

Ion Ratio Lower Upper

75 100

155 72.7 57.9 86.9

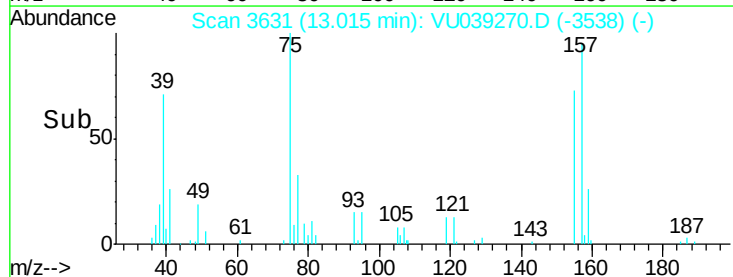
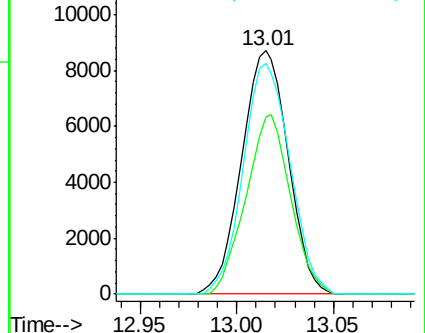
157 95.0 74.2 111.2

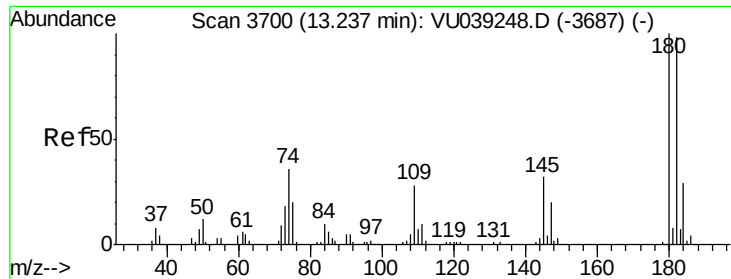


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

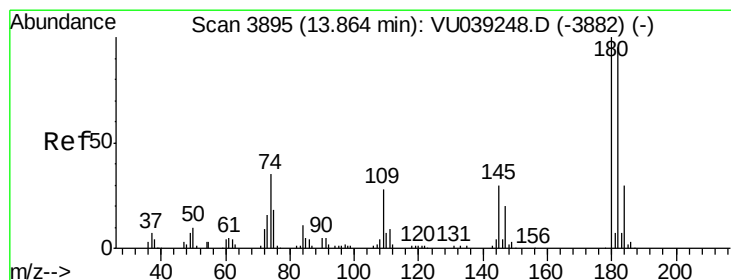
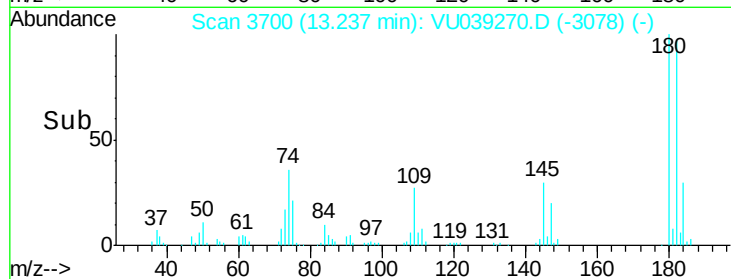
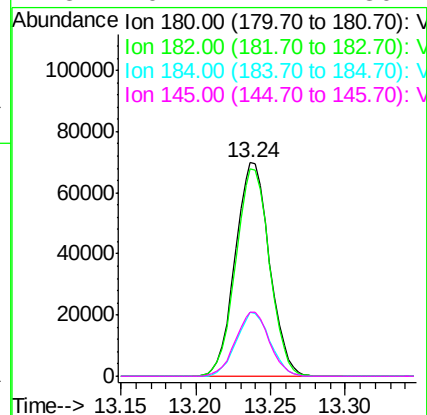
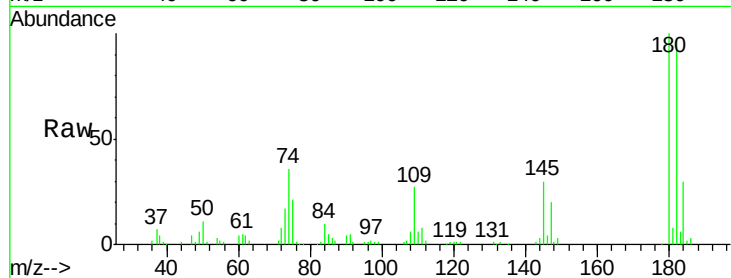




#67
 1,3,5-Trichlorobenzene
 Concen: 5.016 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

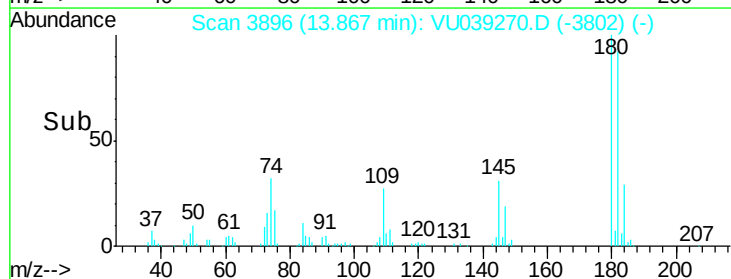
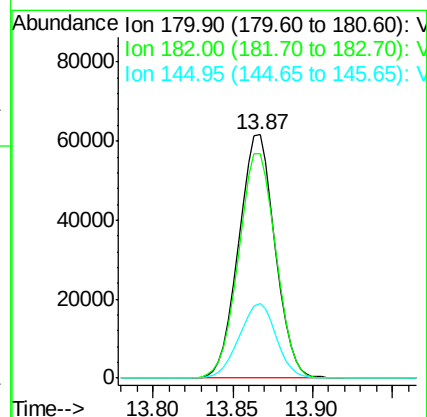
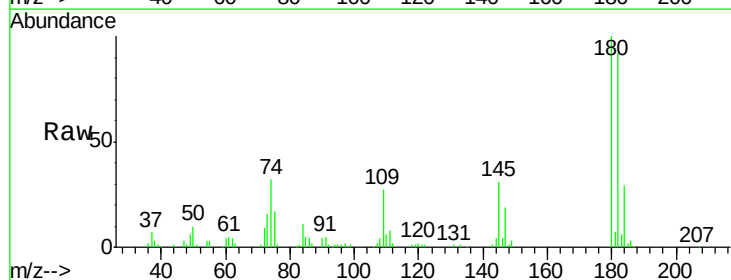
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

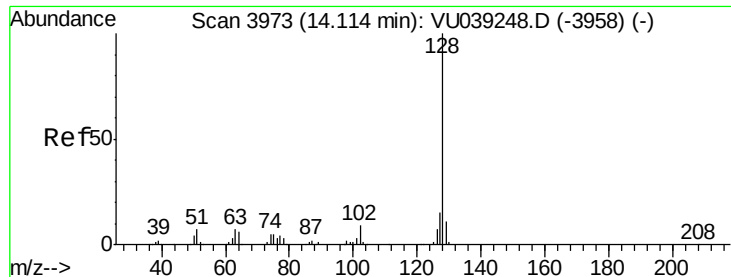
Tgt Ion:180 Resp: 111215
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.5 113.3
 184 29.3 24.6 37.0
 145 29.7 24.2 36.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.891 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU039270.D
 Acq: 01 Jul 2020 09:16

Tgt Ion:180 Resp: 95089
 Ion Ratio Lower Upper
 180 100
 182 94.8 78.3 117.5
 145 31.2 25.9 38.9





#69

Naphthalene

Concen: 4.466 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

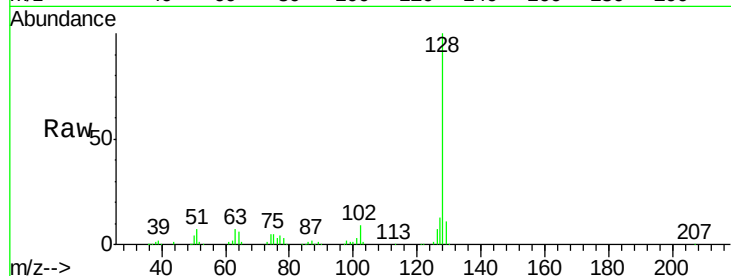
Tgt Ion:128 Resp: 167559

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

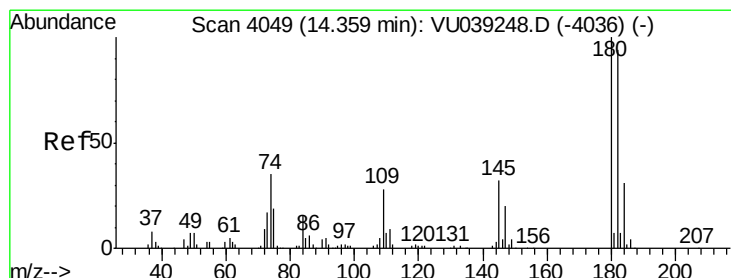
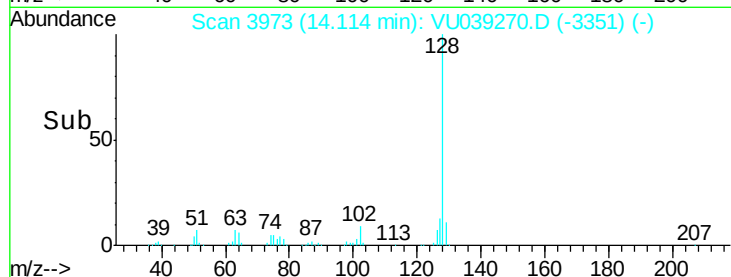
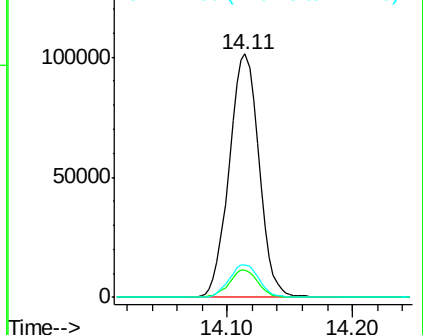
127 13.5 10.7 16.1



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: 4.837 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU039270.D

Acq: 01 Jul 2020 09:16

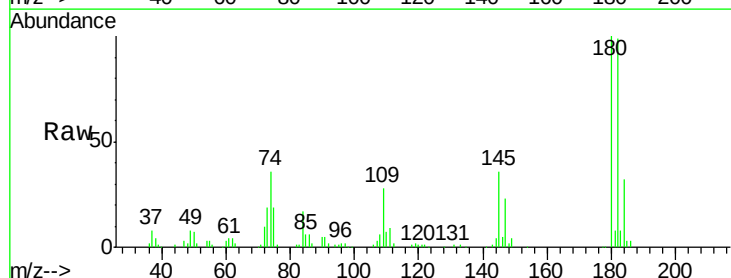
Tgt Ion:180 Resp: 90674

Ion Ratio Lower Upper

180 100

182 97.2 73.6 110.4

145 34.7 28.0 42.0



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

