

Data File : VU035881.D
Acq On : 27 Nov 2019 00:59
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Nov 27 03:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	234456	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261123	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	125141	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	155063	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.93	69	139837	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.60	63	248746	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.69	46	289614	40.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.72%
24) Chloroform-d	5.11	84	251354	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.75	65	139565	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.77	84	496170	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.73	67	163221	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	456424	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.21	79	60768	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.67	63	282551	53.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	139083	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	134308	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	136062	4.283	ug/L 100
3) Chloromethane	1.54	50	164069	4.195	ug/L 98
5) Vinyl chloride	1.62	62	177266	4.528	ug/L 93
6) Bromomethane	1.87	94	89857	4.466	ug/L 97
8) Chloroethane	1.95	64	109502	4.834	ug/L 98
9) Trichlorofluoromethane	2.16	101	215340	4.737	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	116250	4.502	ug/L 93
12) 1,1-Dichloroethene	2.61	96	103740	4.253	ug/L 93
13) Acetone	2.66	43	224922	36.131	ug/L 96
14) Carbon disulfide	2.83	76	328278	4.051	ug/L 100
15) Methyl Acetate	2.99	43	57593	4.615	ug/L 98
16) Methylene chloride	3.09	84	135496	4.597	ug/L 98
17) Methyl tert-butyl Ether	3.42	73	270270	4.579	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	108306	4.509	ug/L 98
19) 1,1-Dichloroethane	3.92	63	253803	4.703	ug/L 100
21) 2-Butanone	4.77	43	363520	46.148	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	121618	4.543	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	57940	4.968	ug/L	97
25) Chloroform	5.14	83	276936	5.273	ug/L	98
27) 1,2-Dichloroethane	5.84	62	159851	4.628	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	199037	4.720	ug/L	99
30) Cyclohexane	5.44	56	176974	4.295	ug/L	99
31) Carbon tetrachloride	5.57	117	171862	4.707	ug/L	99
33) Benzene	5.82	78	522698	4.795	ug/L	100
34) Trichloroethene	6.58	95	126523	4.734	ug/L	99
35) Methylcyclohexane	6.80	83	161195	4.110	ug/L	98
37) 1,2-Dichloropropane	6.83	63	148761	4.812	ug/L	99
38) Bromodichloromethane	7.15	83	172653	4.660	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	174028	4.349	ug/L	96
40) 4-Methyl-2-pentanone	7.84	43	896311	47.226	ug/L	99
42) Toluene	8.01	91	546066	4.816	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	153929	4.639	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	100620	4.995	ug/L	97
47) Tetrachloroethene	8.59	164	94553	4.650	ug/L	92
48) 2-Hexanone	8.73	43	652097	46.668	ug/L	95
49) Dibromochloromethane	8.84	129	112609	4.739	ug/L	96
50) 1,2-Dibromoethane	8.96	107	89263	4.843	ug/L #	96
51) Chlorobenzene	9.48	112	312807	4.454	ug/L	98
52) Ethylbenzene	9.60	91	514541	4.389	ug/L	100
53) m,p-Xylene	9.72	106	187347	4.532	ug/L	99
54) o-Xylene	10.13	106	188709	4.701	ug/L	99
55) Styrene	10.14	104	314310	4.720	ug/L	100
56) Isopropylbenzene	10.51	105	483899	4.563	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	132271	4.745	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	93526	4.654	ug/L	99
61) Bromoform	10.32	173	63240	5.030	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	211729	4.714	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	203261	4.597	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	205131	4.787	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	15788	4.452	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	108174	4.008	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	47720	3.076	ug/L	99
69) Naphthalene	14.11	128	53400	2.445	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	51485	3.413	ug/L	97

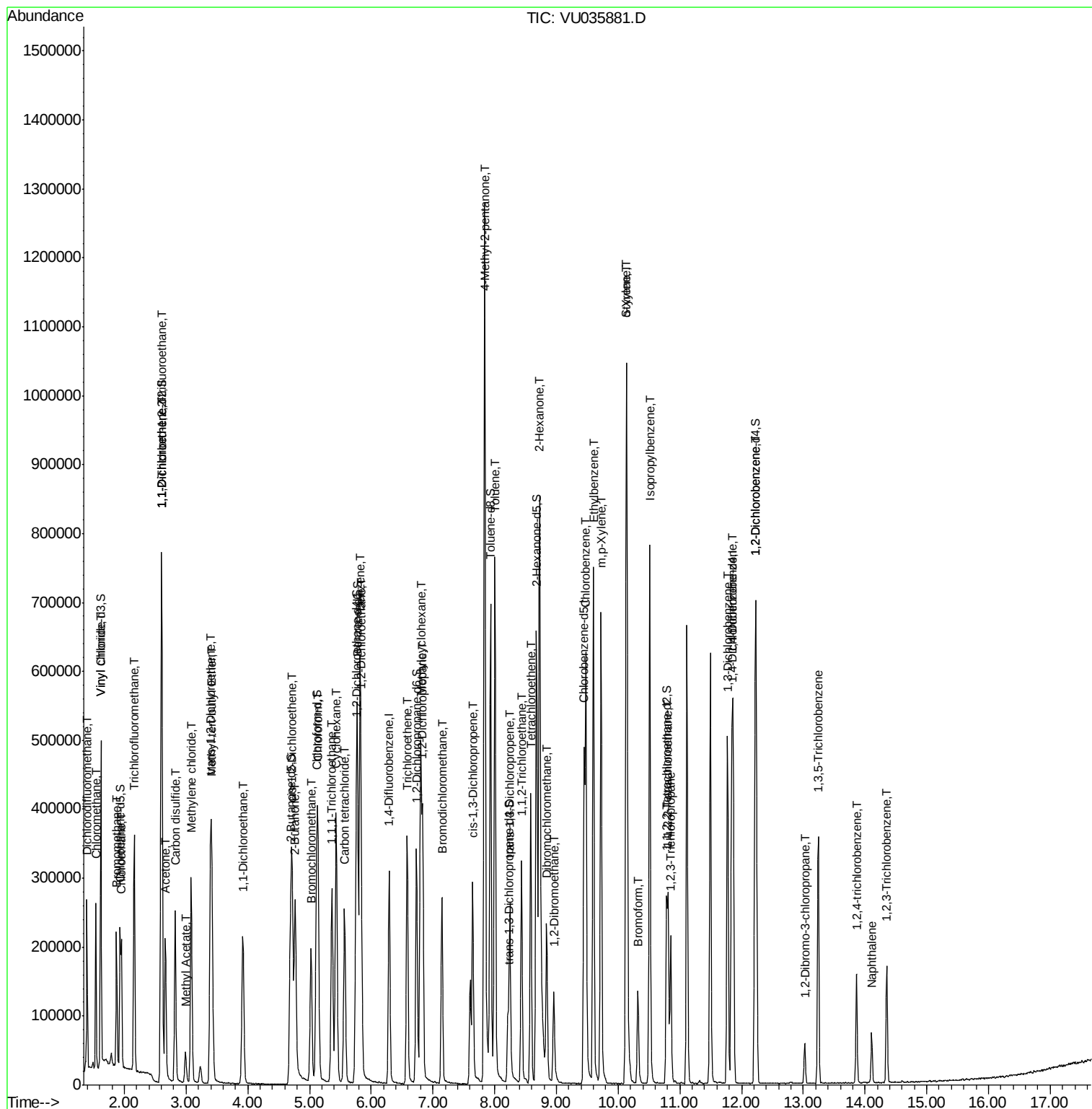
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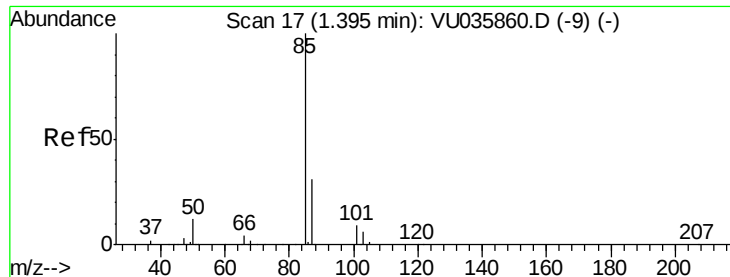
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#2

Dichlorodifluoromethane

Concen: 4.283 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

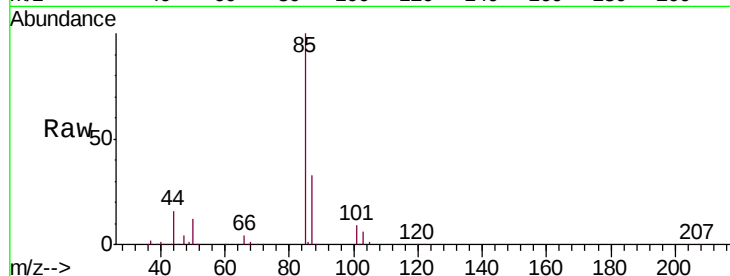
VSTD00512

Tgt Ion: 85 Resp: 136062

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035860.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035860.D (-9) (-)

1.39

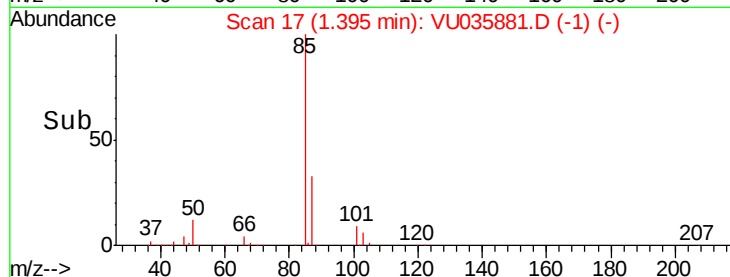
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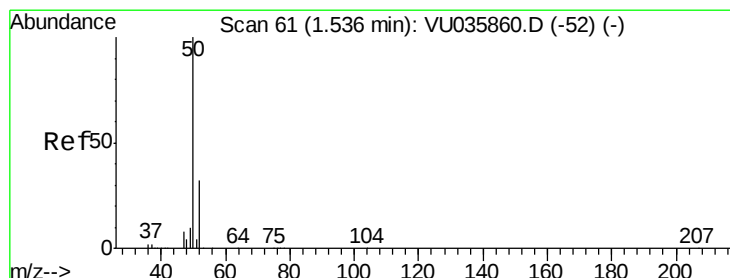
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.195 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035881.D

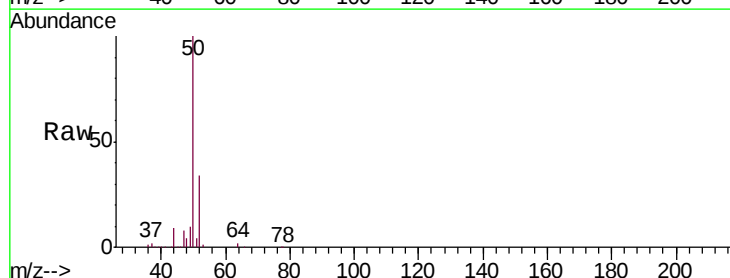
Acq: 27 Nov 2019 00:59

Tgt Ion: 50 Resp: 164069

Ion Ratio Lower Upper

50 100

52 33.7 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035860.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035860.D (-52) (-)

1.54

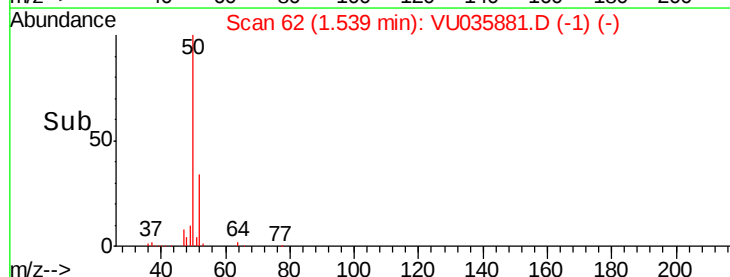
150000

100000

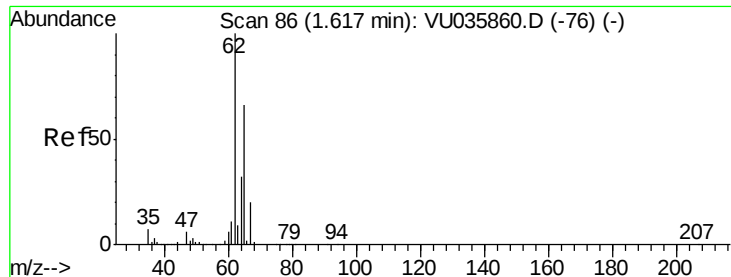
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.528 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

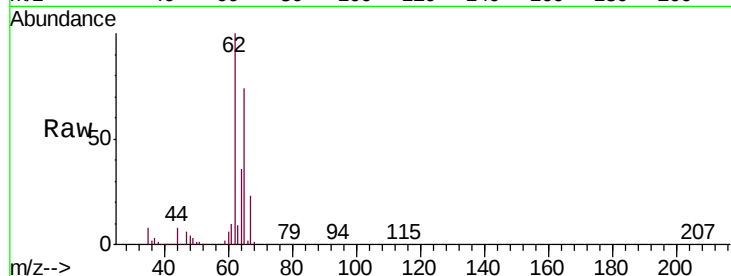
VSTD00512

Tgt Ion: 62 Resp: 177266

Ion Ratio Lower Upper

62 100

64 36.1 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035860.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035860.D (-76) (-)

1.62

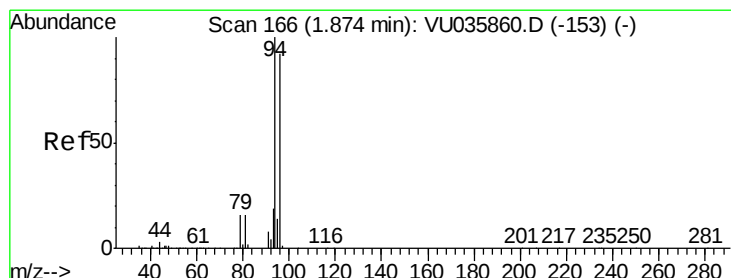
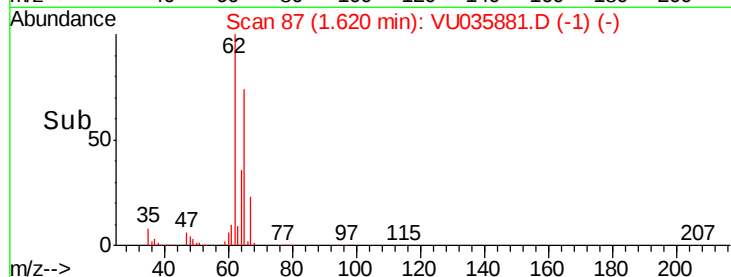
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.466 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035881.D

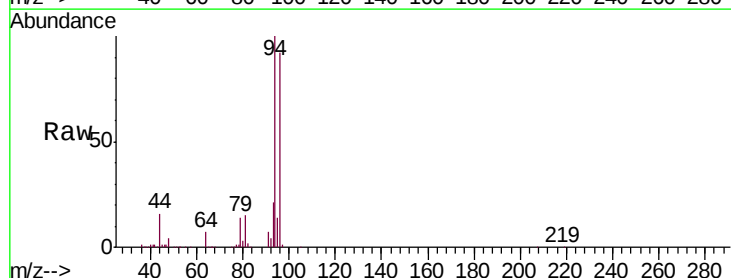
Acq: 27 Nov 2019 00:59

Tgt Ion: 94 Resp: 89857

Ion Ratio Lower Upper

94 100

96 91.6 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035860.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU035860.D (-153) (-)

1.87

80000

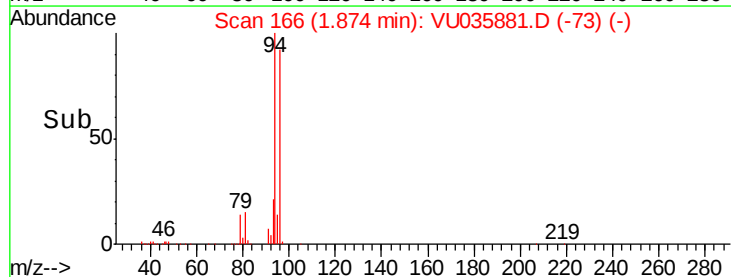
60000

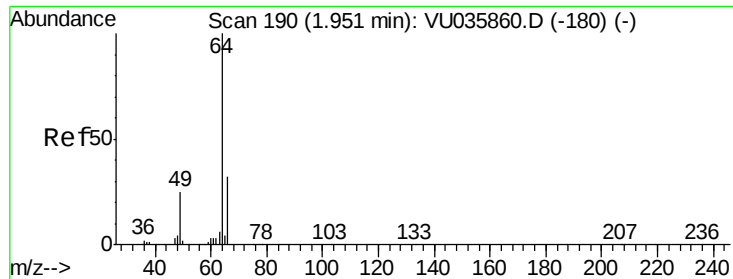
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.834 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

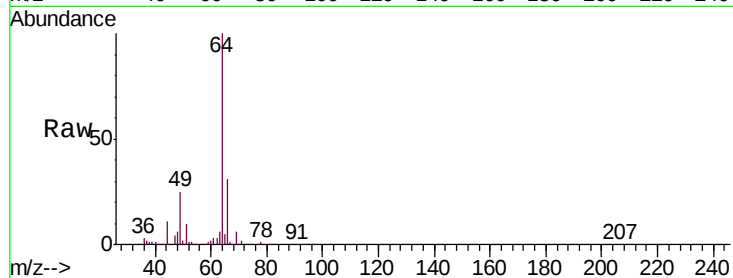
VSTD00512

Tgt Ion: 64 Resp: 109502

Ion Ratio Lower Upper

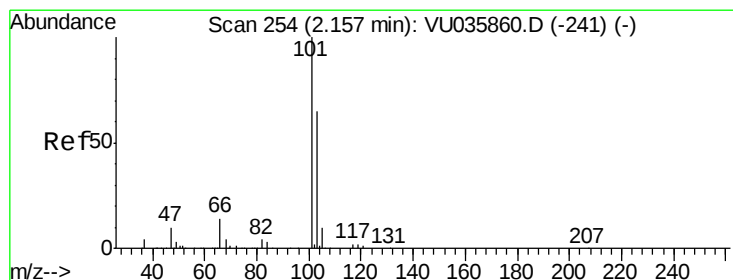
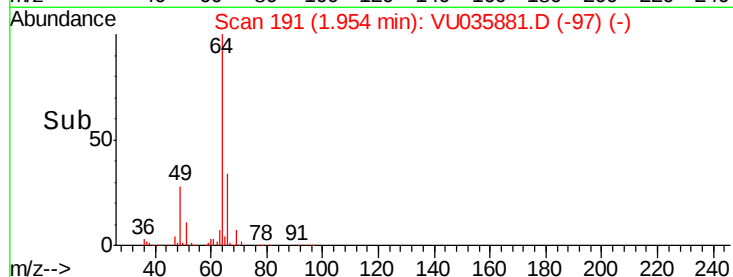
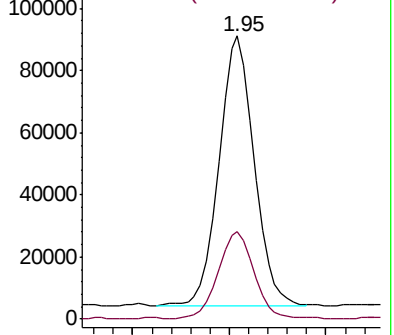
64 100

66 30.8 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.737 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035881.D

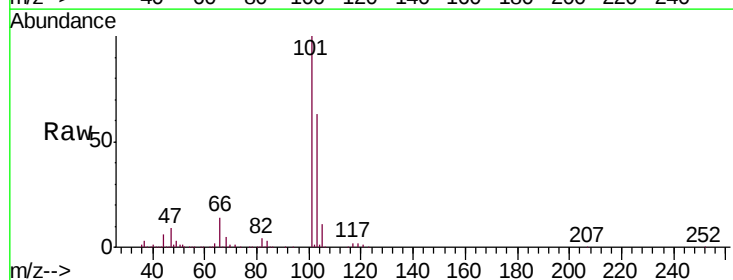
Acq: 27 Nov 2019 00:59

Tgt Ion: 101 Resp: 215340

Ion Ratio Lower Upper

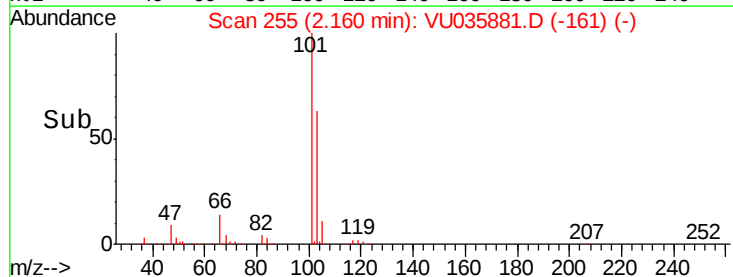
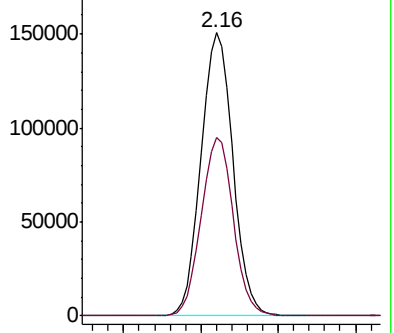
101 100

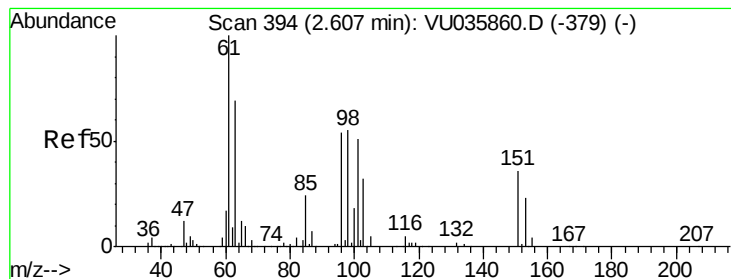
103 63.6 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.502 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

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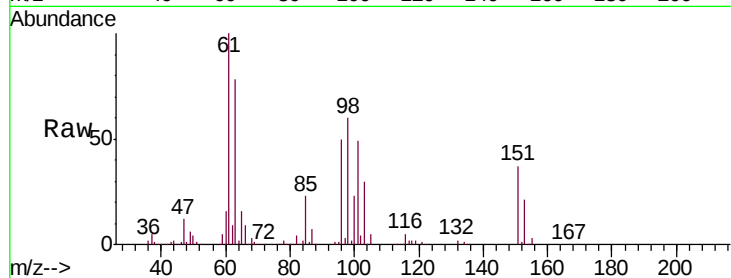
Tgt Ion:101 Resp: 116250

Ion Ratio Lower Upper

101 100

85 45.0 38.1 57.1

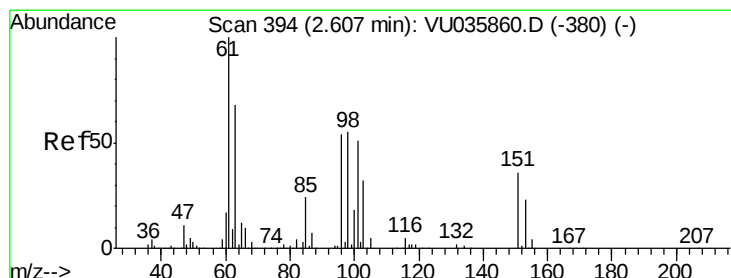
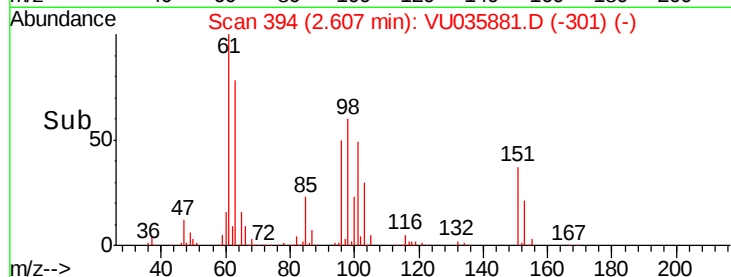
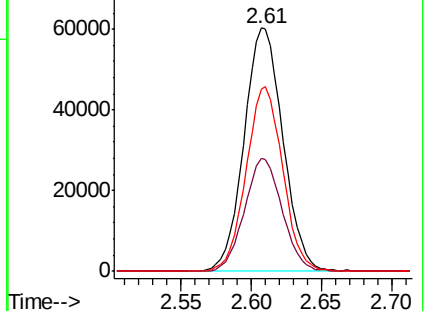
151 71.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.253 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

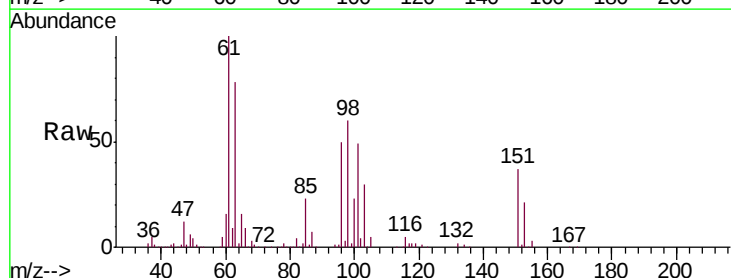
Tgt Ion: 96 Resp: 103740

Ion Ratio Lower Upper

96 100

61 198.4 139.3 258.7

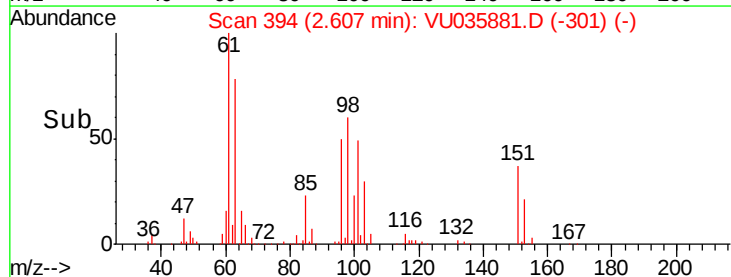
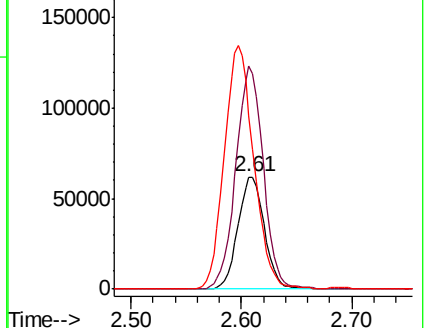
63 154.8 93.7 174.1

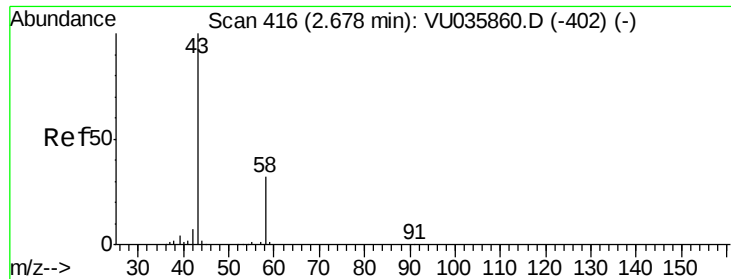


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 36.131 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

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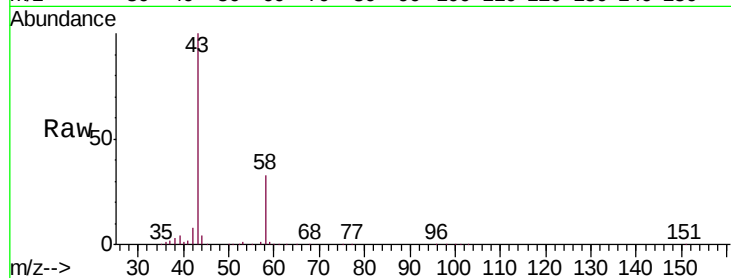
VSTD00512

Tgt Ion: 43 Resp: 224922

Ion Ratio Lower Upper

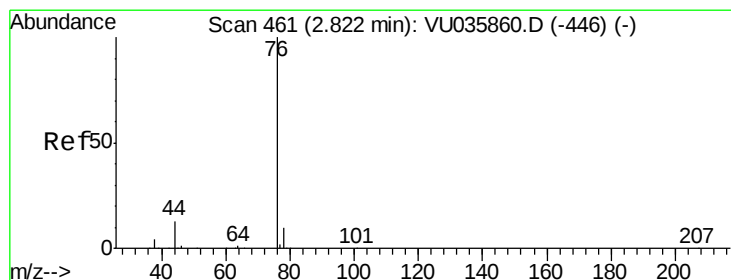
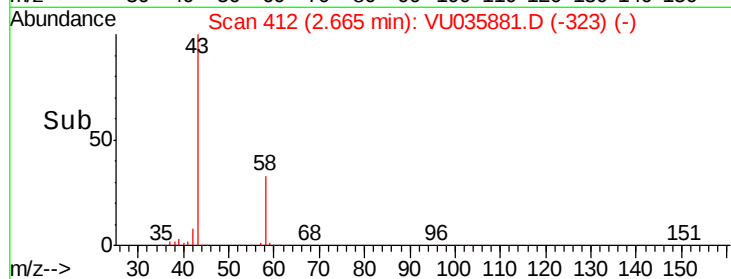
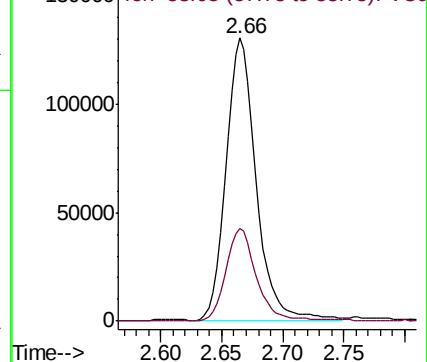
43 100

58 32.8 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035881.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035881.D (-323) (-)



#14

Carbon disulfide

Concen: 4.051 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035881.D

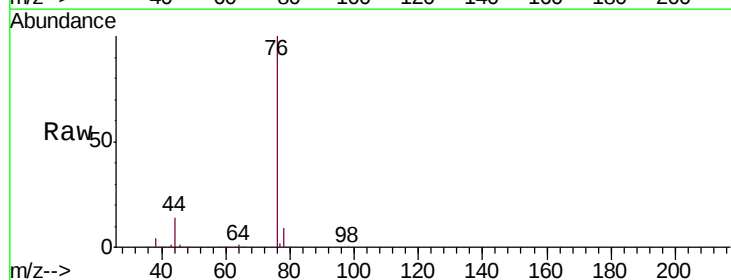
Acq: 27 Nov 2019 00:59

Tgt Ion: 76 Resp: 328278

Ion Ratio Lower Upper

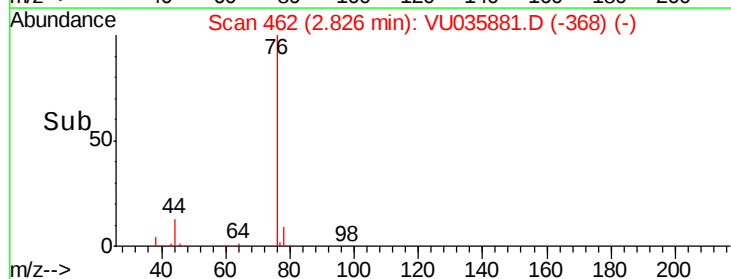
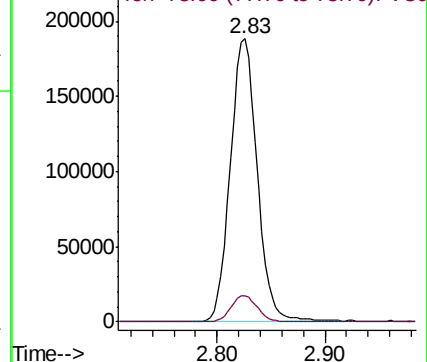
76 100

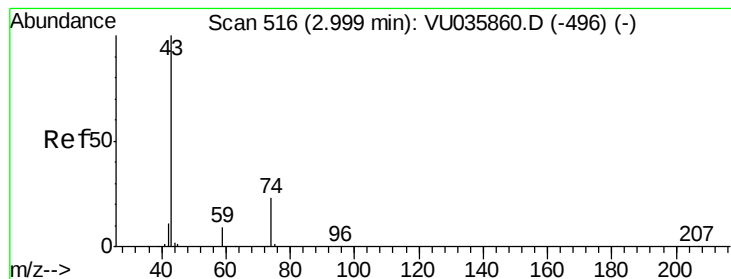
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035881.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035881.D (-368) (-)





#15

Methyl Acetate

Concen: 4.615 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

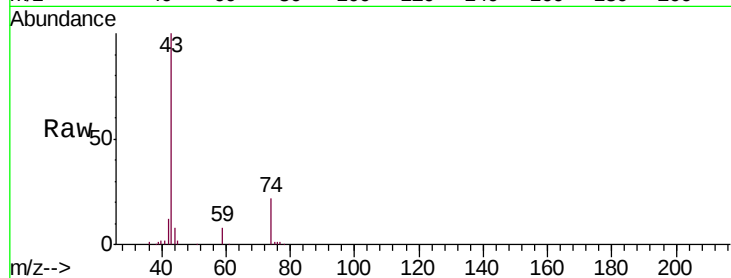
VSTD00512

Tgt Ion: 43 Resp: 57593

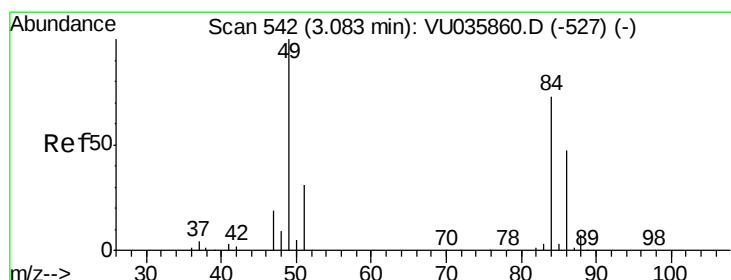
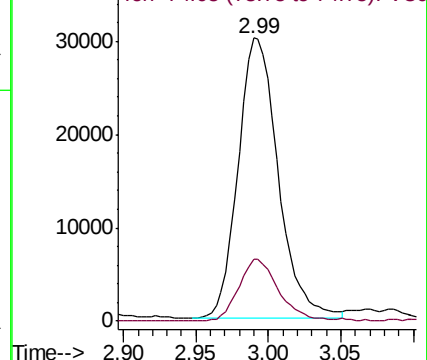
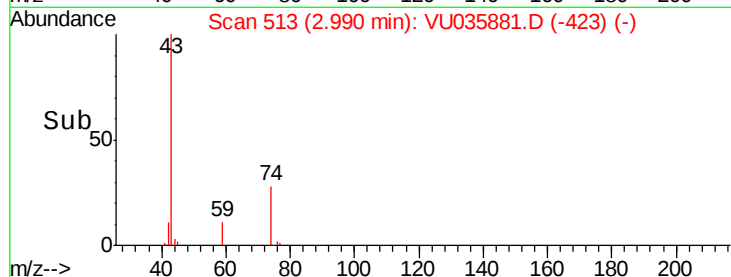
Ion Ratio Lower Upper

43 100

74 22.1 18.2 27.4



Abundance Ion 43.05 (42.75 to 43.75): VU035881.D (-423) (-)



#16

Methylene chloride

Concen: 4.597 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

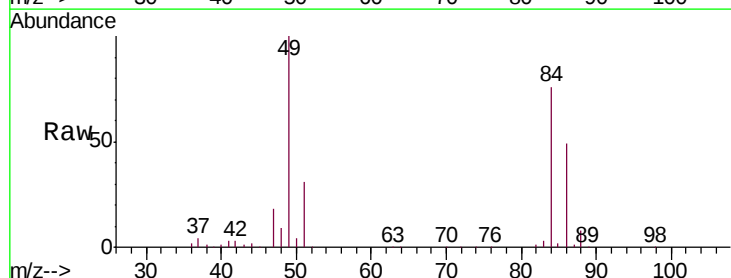
Tgt Ion: 84 Resp: 135496

Ion Ratio Lower Upper

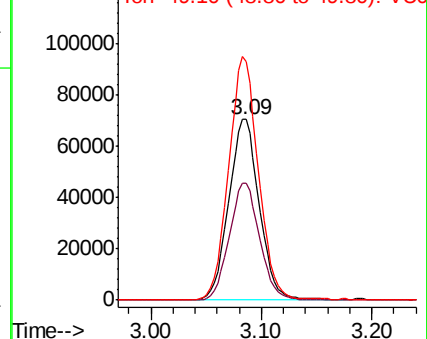
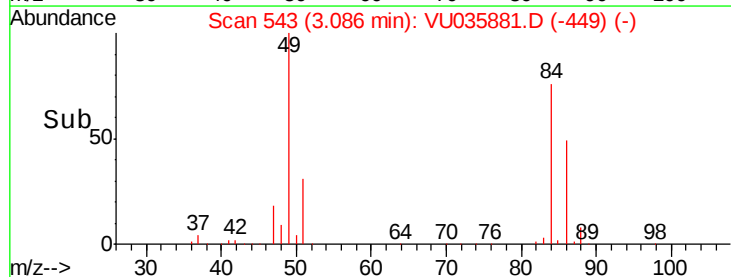
84 100

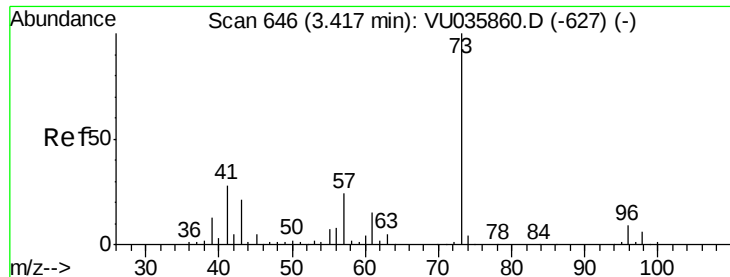
86 64.6 44.4 82.5

49 132.3 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035881.D (-449) (-)

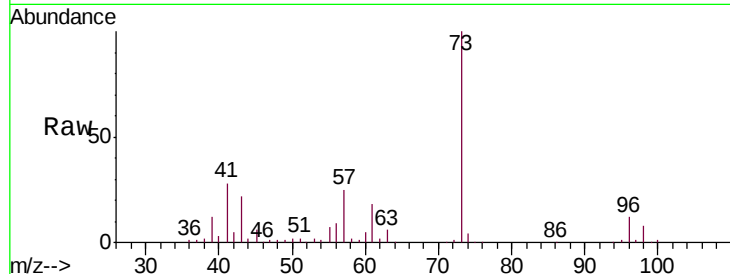




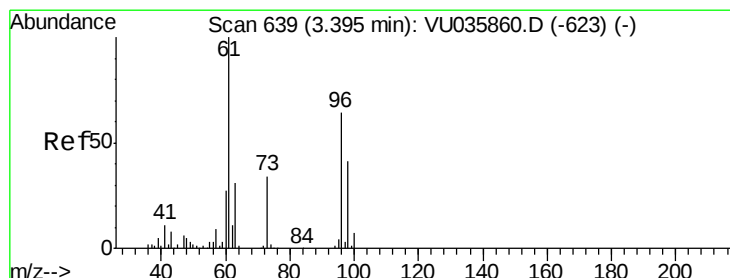
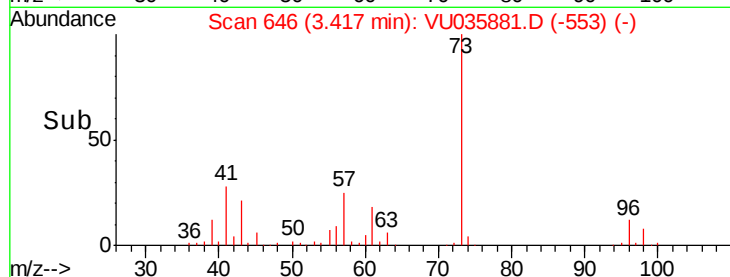
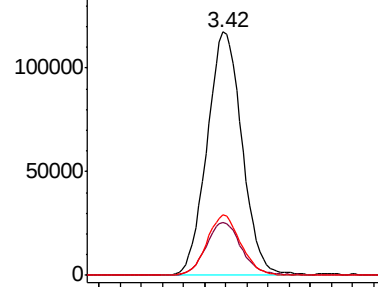
#17
Methyl tert-butyl Ether
Concen: 4.579 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion: 73 Resp: 270270
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.2
57 23.9 19.4 29.0

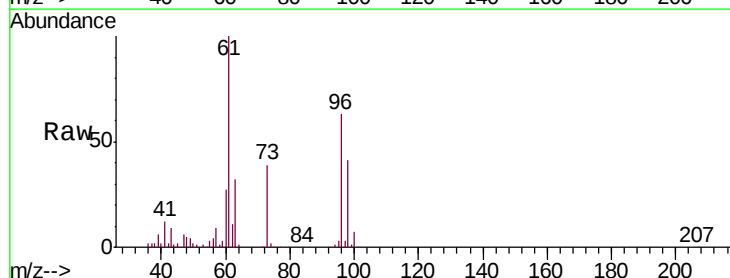


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

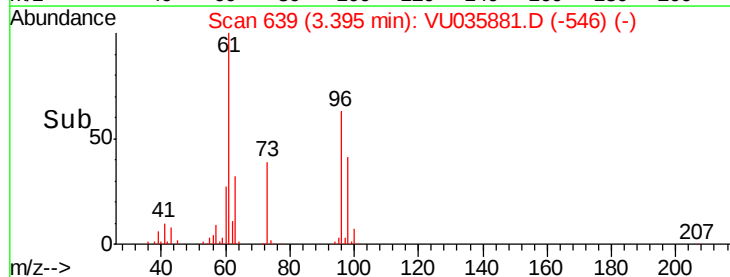
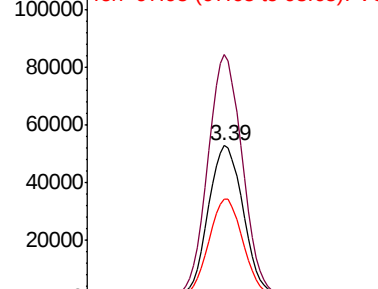


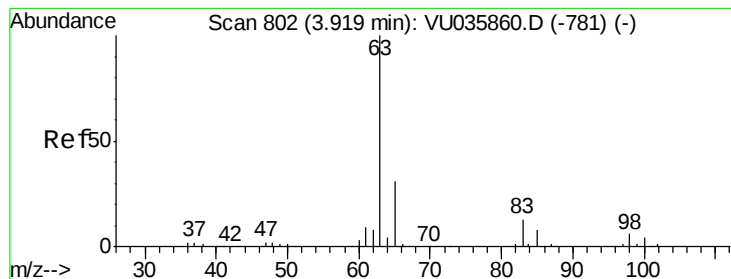
#18
trans-1,2-Dichloroethene
Concen: 4.509 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Tgt Ion: 96 Resp: 108306
Ion Ratio Lower Upper
96 100
61 159.5 111.1 206.3
98 65.1 43.1 80.1



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: 4.703 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

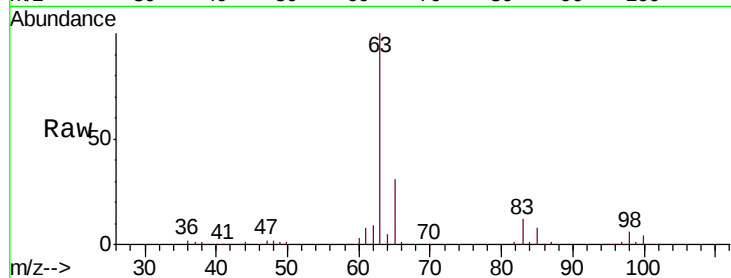
Tgt Ion: 63 Resp: 253803

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.4

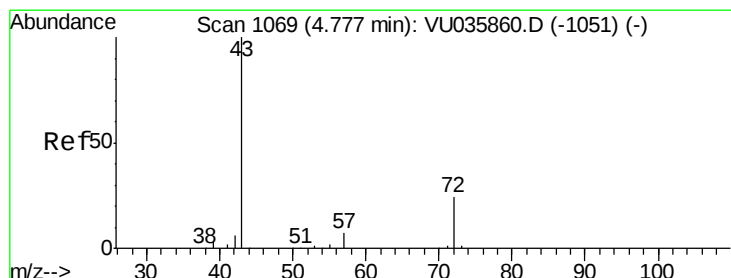
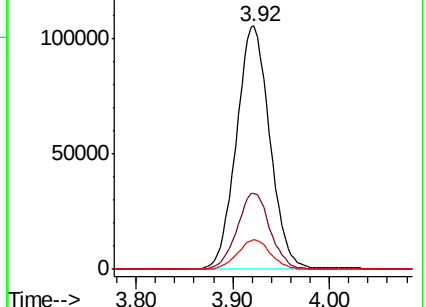
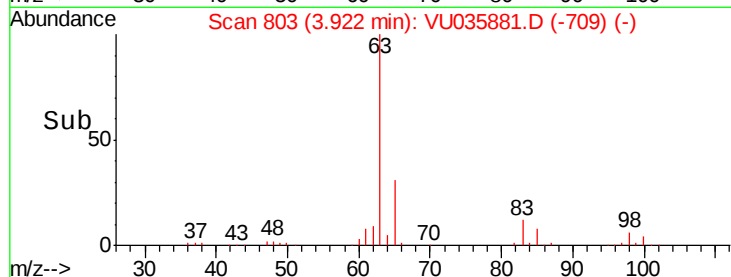
83 12.0 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035881.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035881.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035881.D (-709) (-)



#21

2-Butanone

Concen: 46.148 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VU035881.D

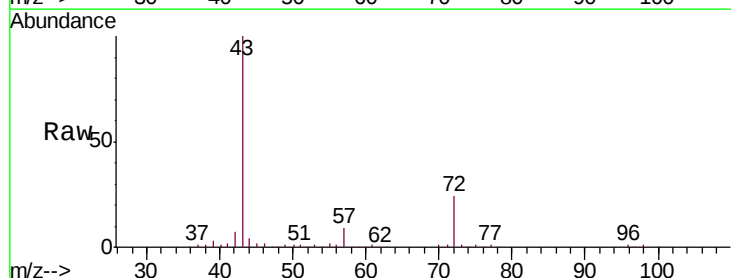
Acq: 27 Nov 2019 00:59

Tgt Ion: 43 Resp: 363520

Ion Ratio Lower Upper

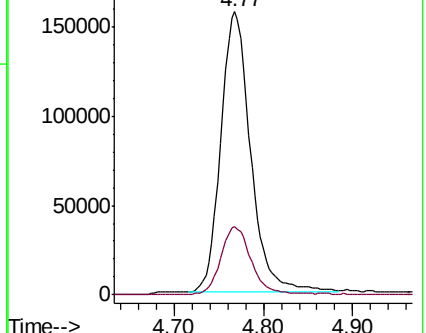
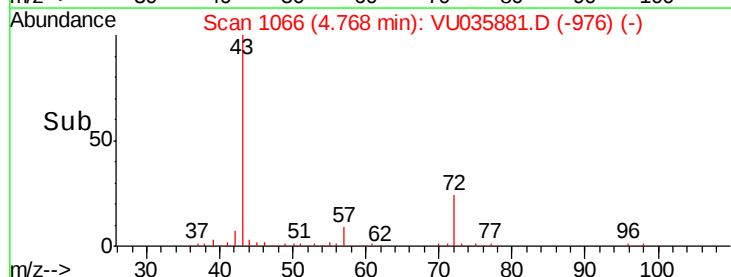
43 100

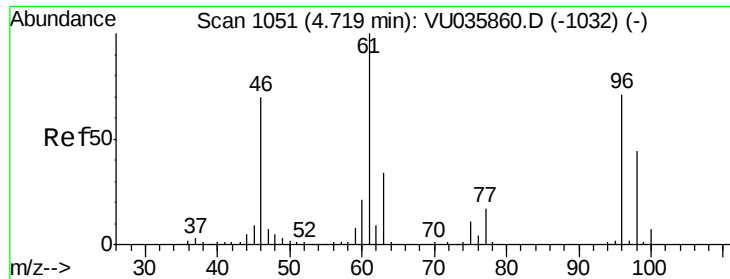
72 25.4 12.4 37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035881.D (-976) (-)

Ion 72.10 (71.80 to 72.80): VU035881.D (-976) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.543 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

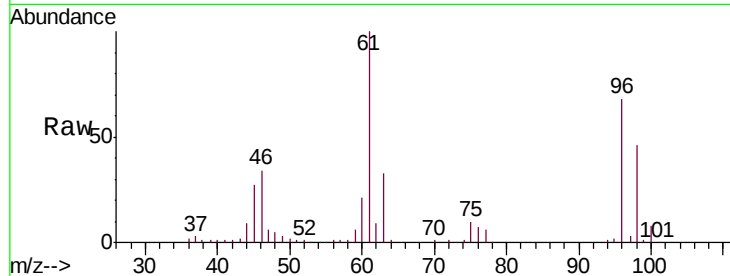
Tgt Ion: 96 Resp: 121618

Ion Ratio Lower Upper

96 100

61 146.0 98.1 182.1

68 0.0 0.0 0.0

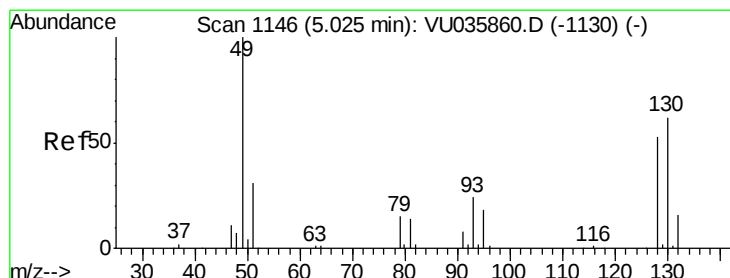
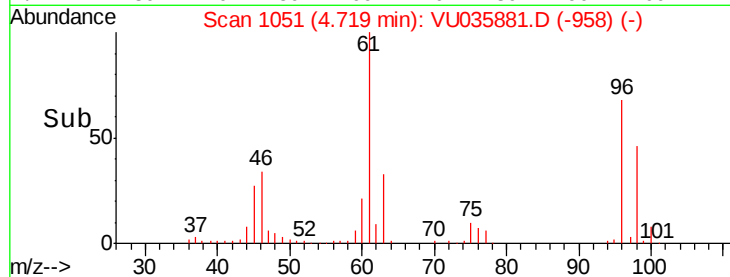
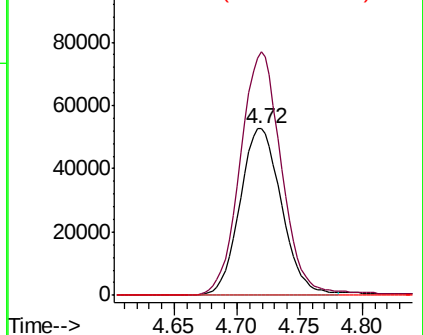


Abundance

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: 4.968 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Tgt Ion: 128 Resp: 57940

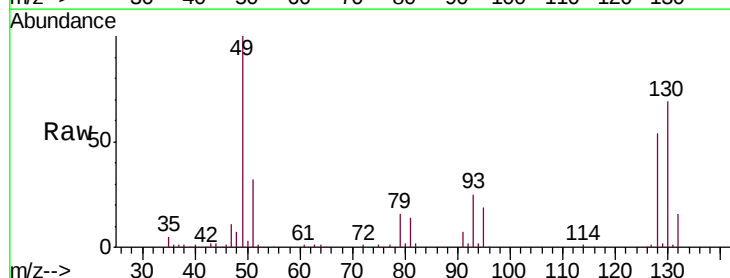
Ion Ratio Lower Upper

128 100

49 185.8 133.8 248.6

130 128.6 91.1 169.1

51 60.2 46.5 69.7



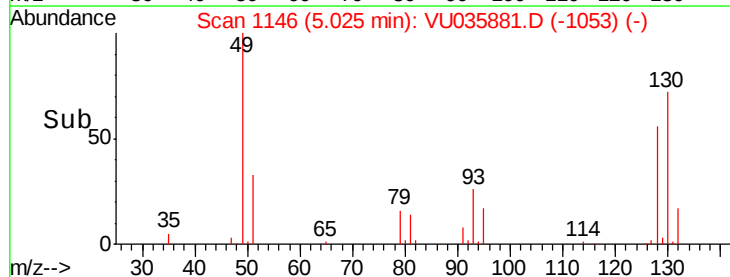
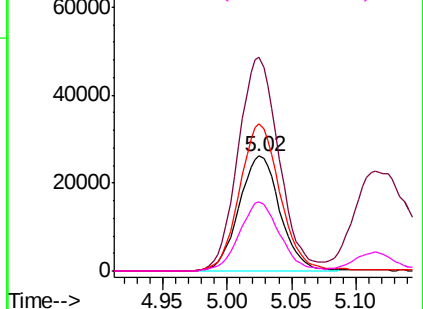
Abundance

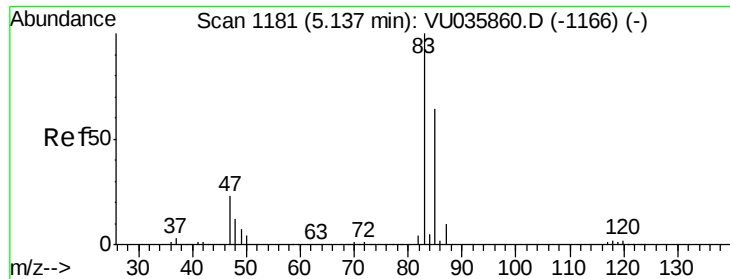
Ion 127.90 (127.60 to 128.60): V

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

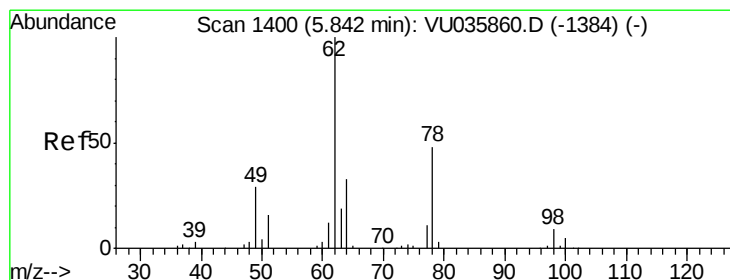
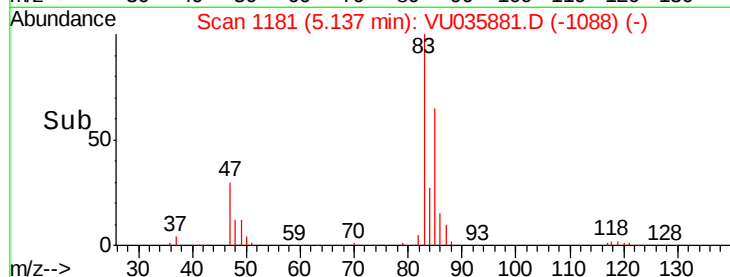
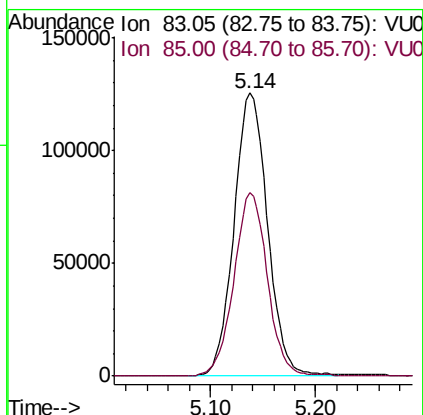
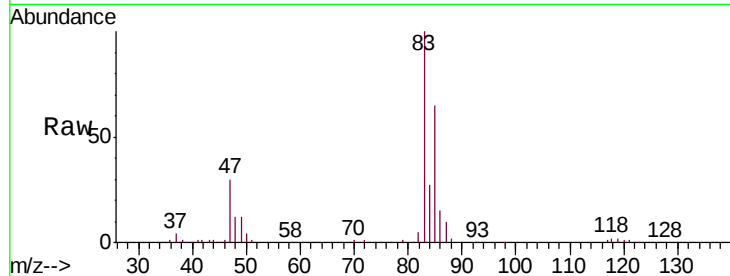




#25
Chloroform
Concen: 5.273 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

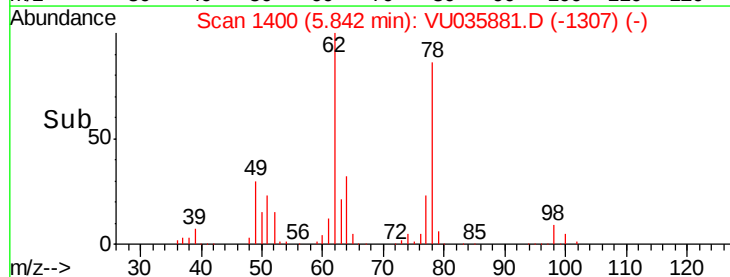
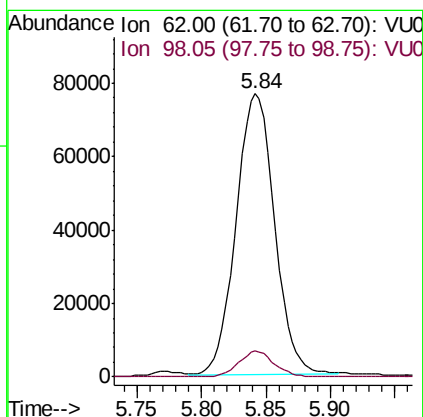
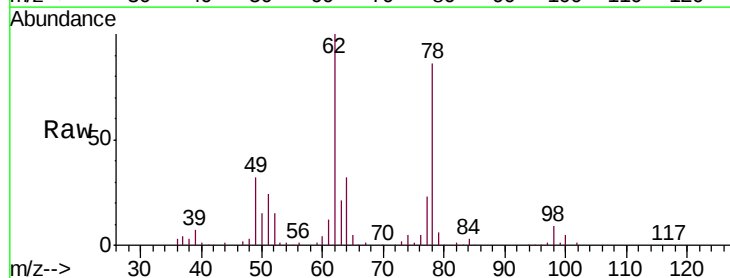
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

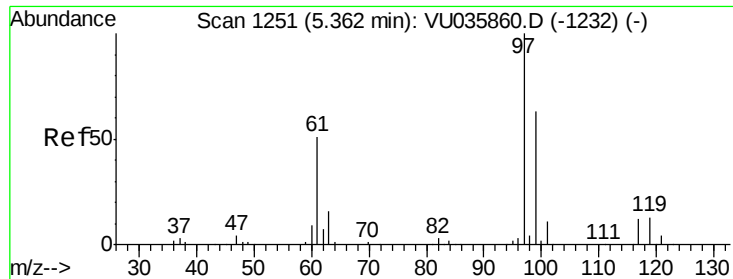
Tgt Ion: 83 Resp: 276936
Ion Ratio Lower Upper
83 100
85 65.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.628 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Tgt Ion: 62 Resp: 159851
Ion Ratio Lower Upper
62 100
98 9.2 6.2 9.4

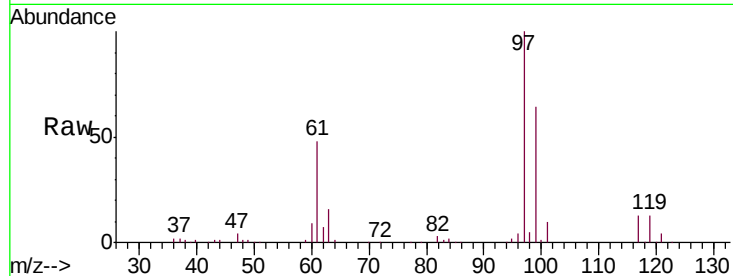




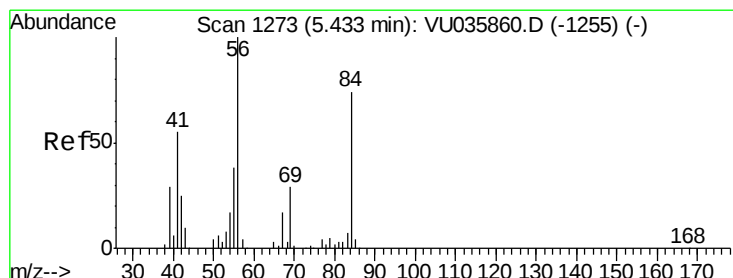
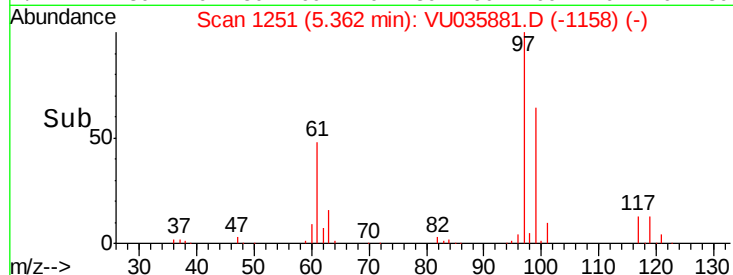
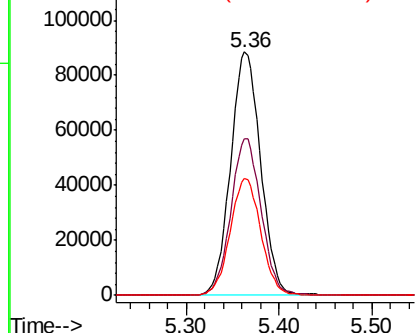
#29
 1,1,1-Trichloroethane
 Concen: 4.720 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion: 97 Resp: 199037
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.9 77.9
 61 49.1 40.3 60.5

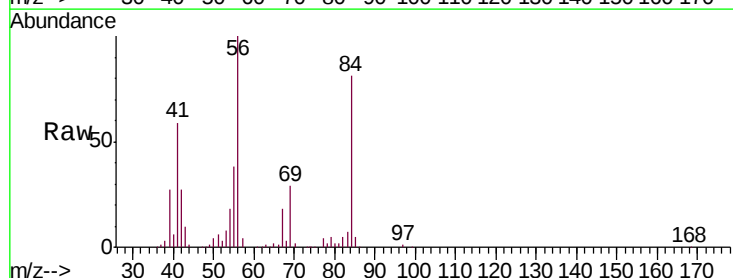


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

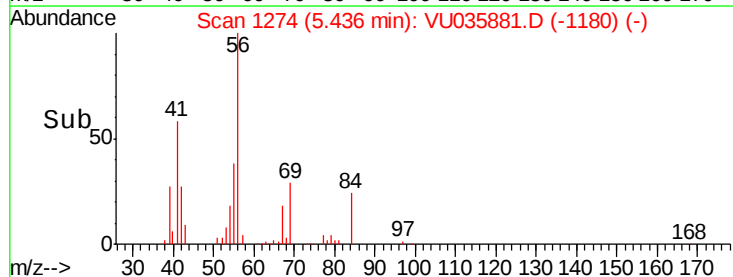
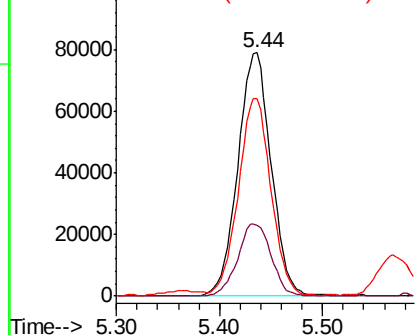


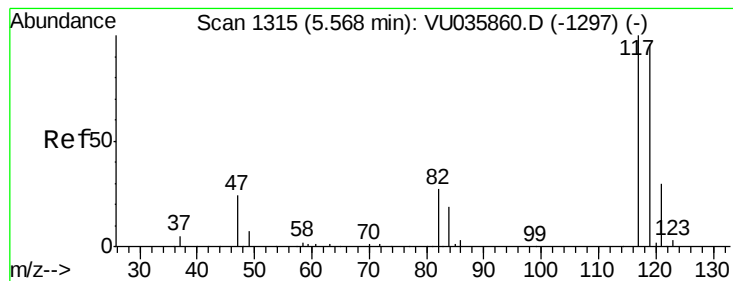
#30
 Cyclohexane
 Concen: 4.295 ug/L
 RT: 5.44 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion: 56 Resp: 176974
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.0 36.0
 84 79.2 62.1 93.1



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: 4.707 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

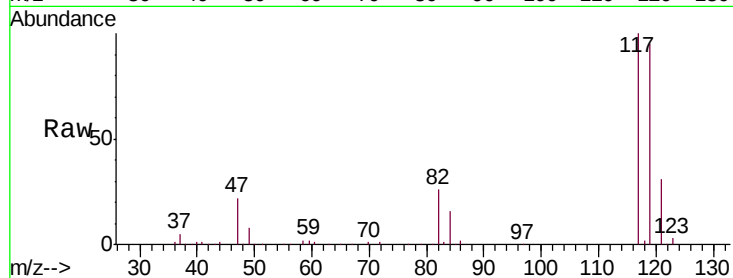
VSTD00512

Tgt Ion:117 Resp: 171862

Ion Ratio Lower Upper

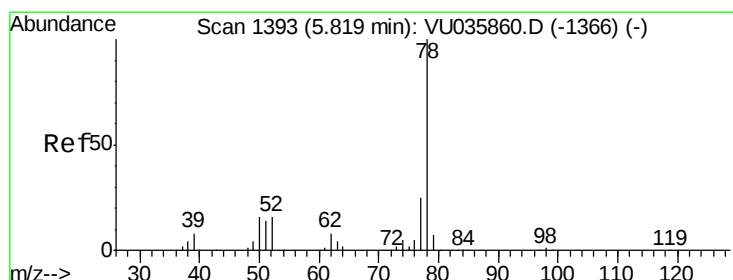
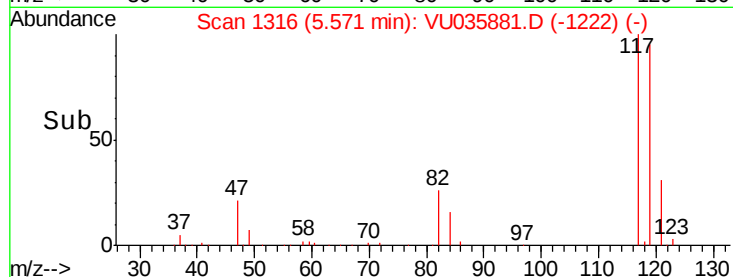
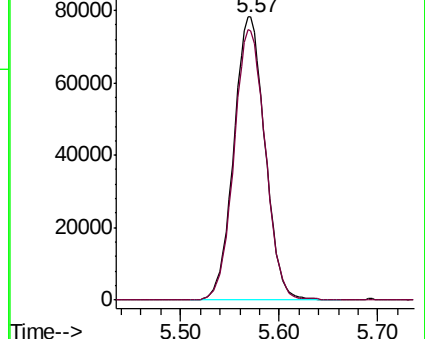
117 100

119 95.6 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.795 ug/L

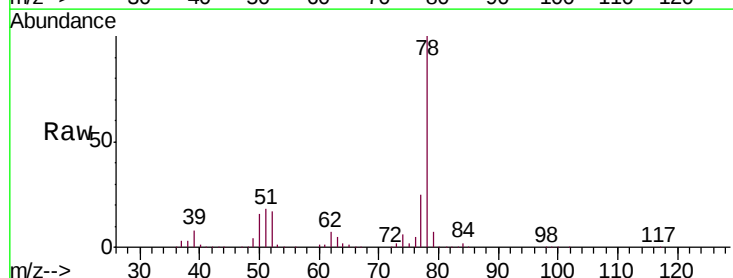
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

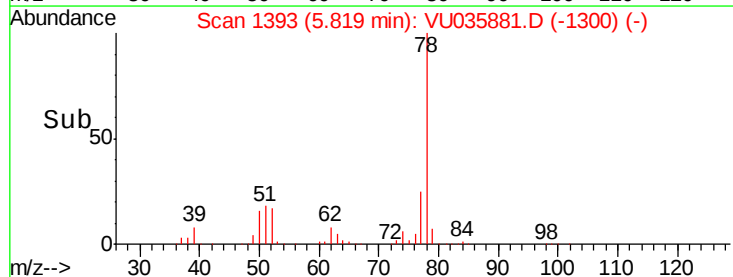
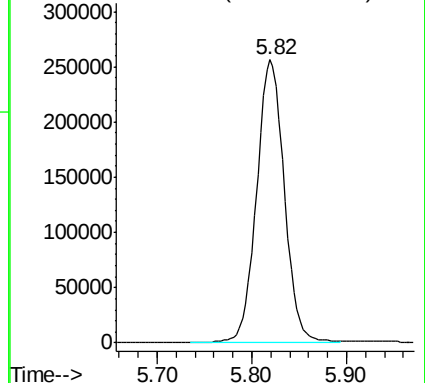
Lab File: VU035881.D

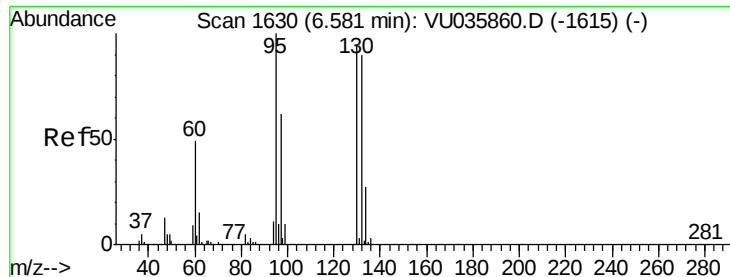
Acq: 27 Nov 2019 00:59

Tgt Ion: 78 Resp: 522698



Abundance Ion 78.10 (77.80 to 78.80): VU0

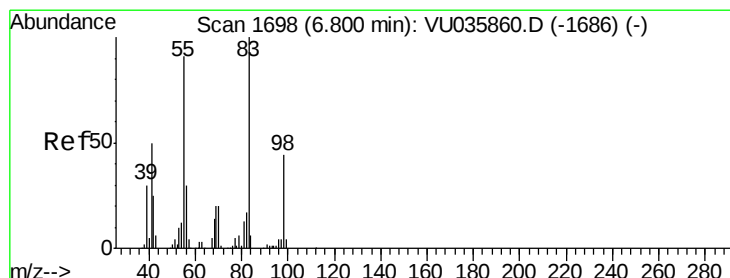
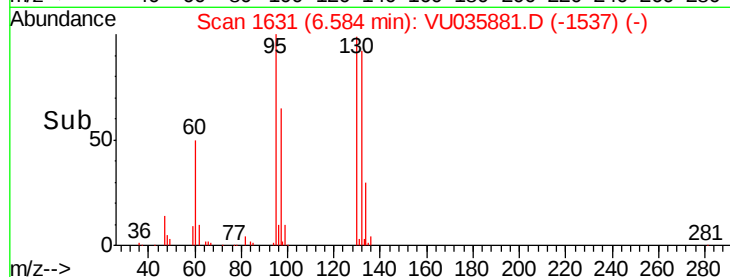
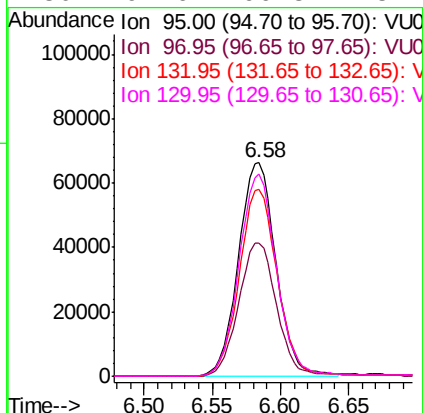
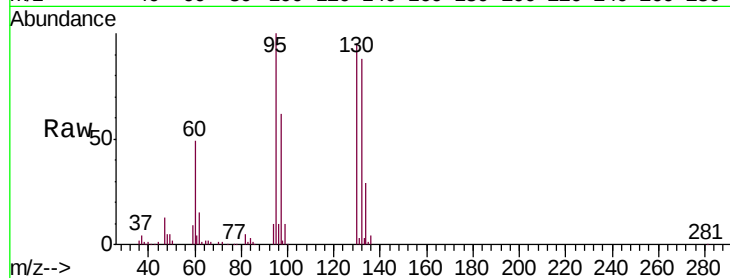




#34
 Trichloroethene
 Concen: 4.734 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

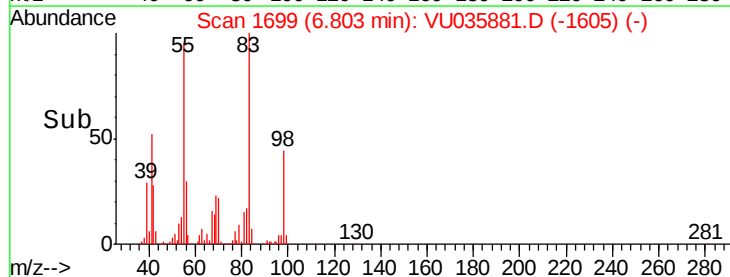
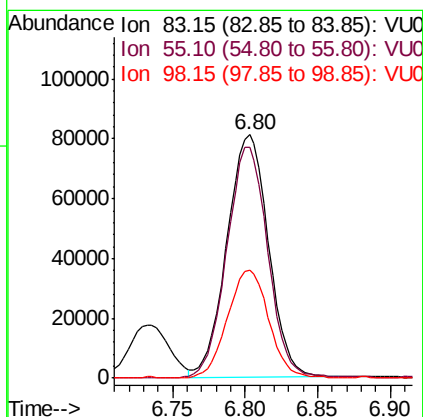
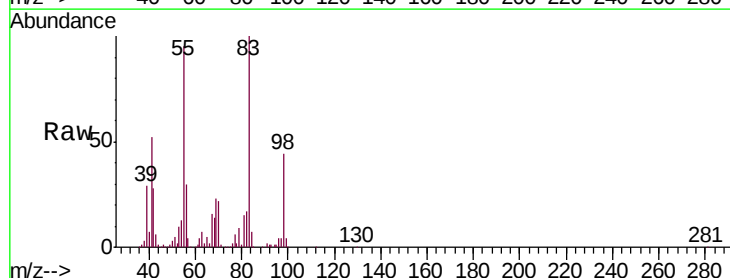
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

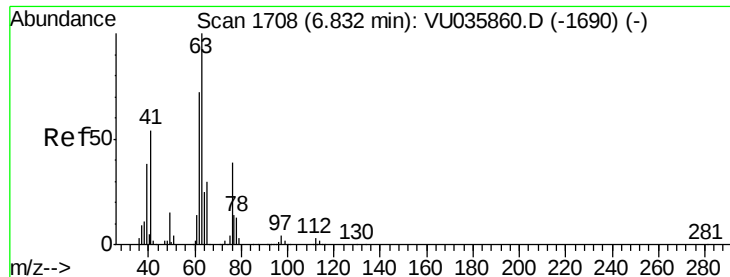
Tgt Ion: 95 Resp: 126523
 Ion Ratio Lower Upper
 95 100
 97 62.3 45.1 83.9
 132 87.8 61.9 114.9
 130 94.6 66.3 123.1



#35
 Methylcyclohexane
 Concen: 4.110 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion: 83 Resp: 161195
 Ion Ratio Lower Upper
 83 100
 55 93.8 72.7 109.1
 98 44.5 36.2 54.4

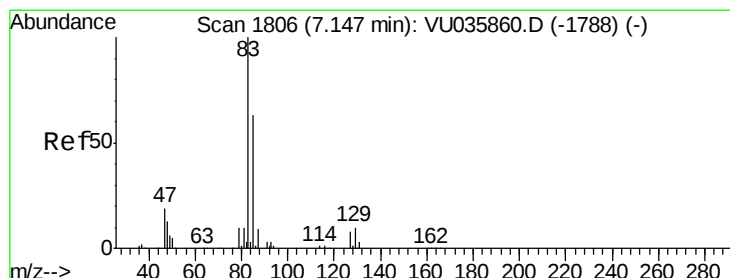
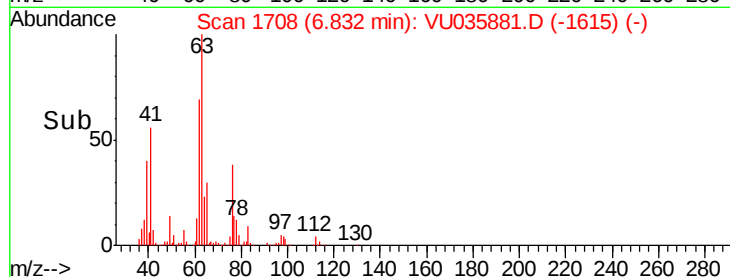
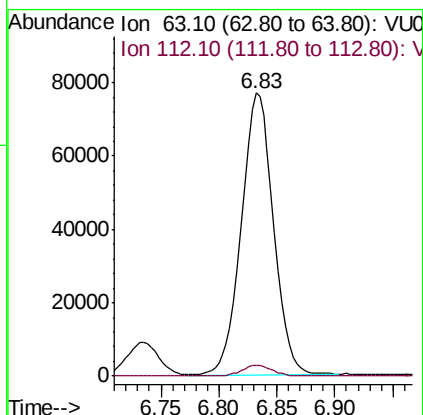
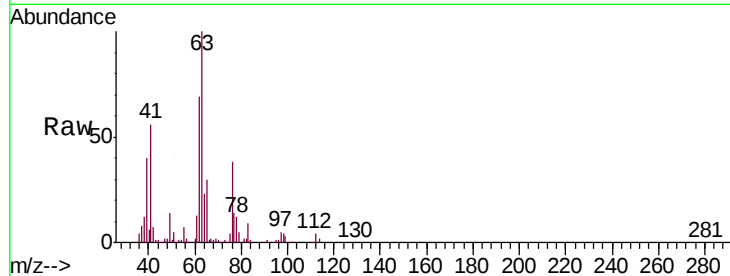




#37
 1,2-Dichloropropane
 Concen: 4.812 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

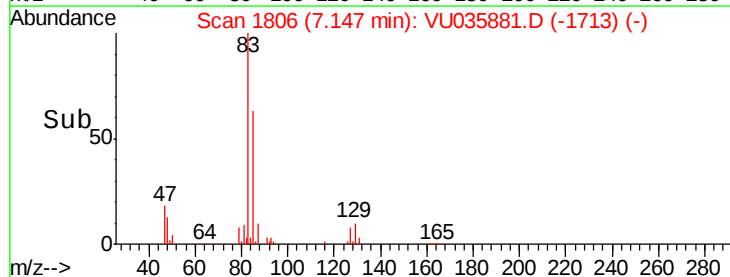
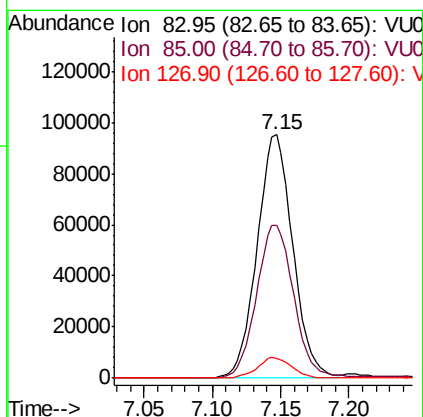
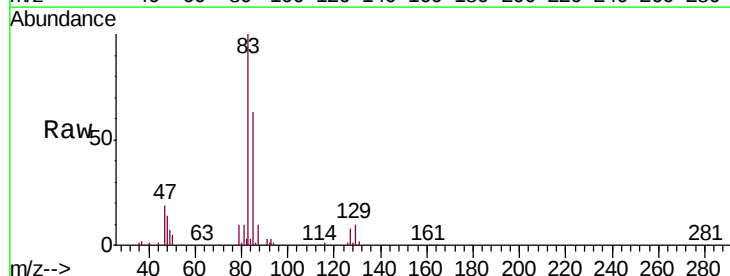
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

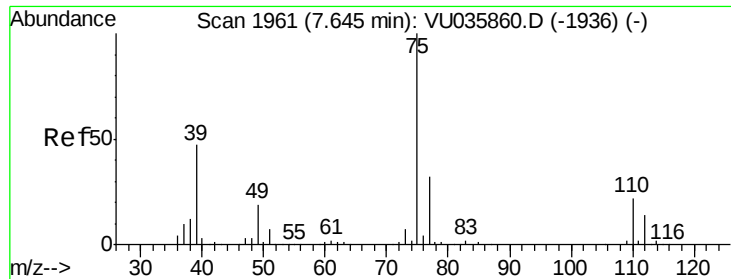
Tgt Ion: 63 Resp: 148761
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.660 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion: 83 Resp: 172653
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.6 84.8
 127 8.2 6.0 9.0

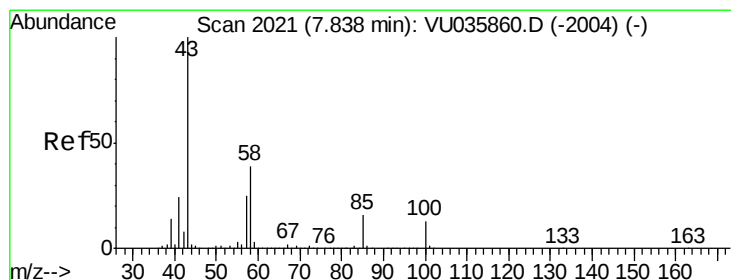
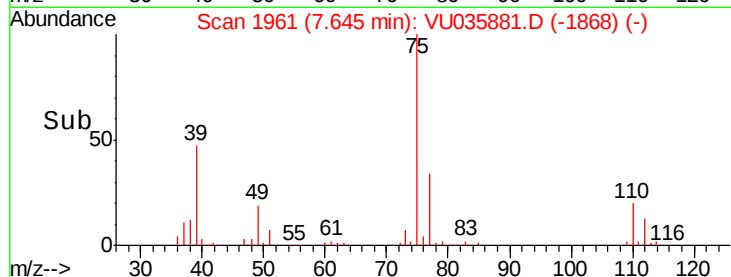
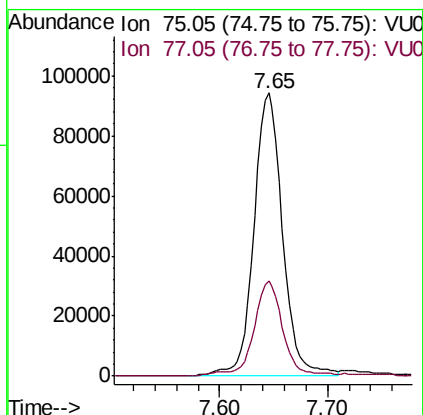
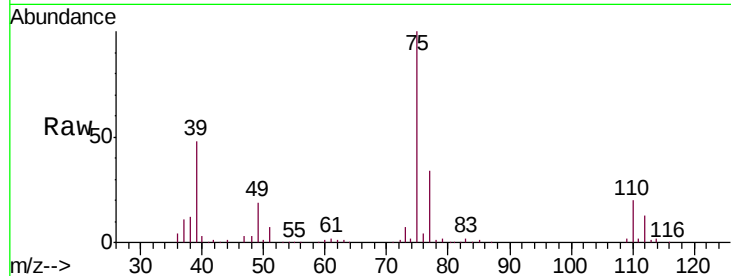




#39
 cis-1,3-Dichloropropene
 Concen: 4.349 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

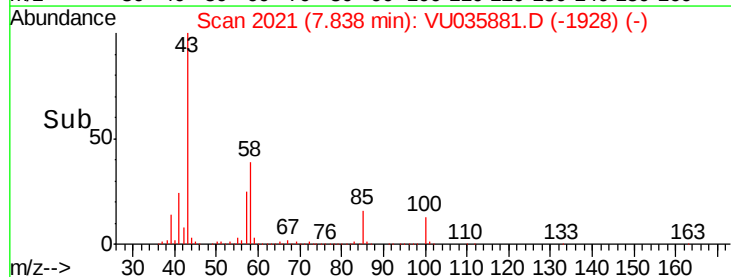
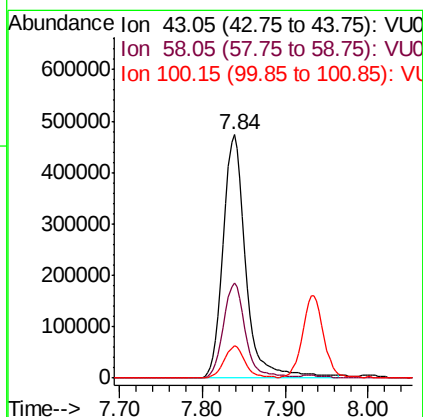
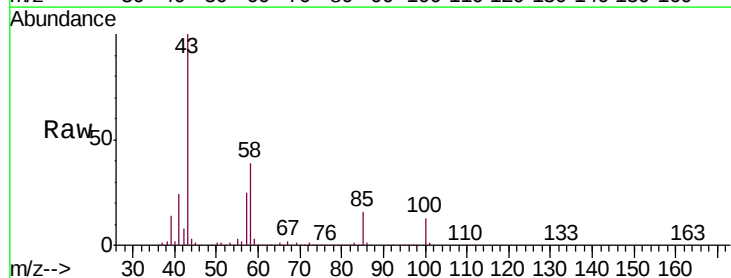
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

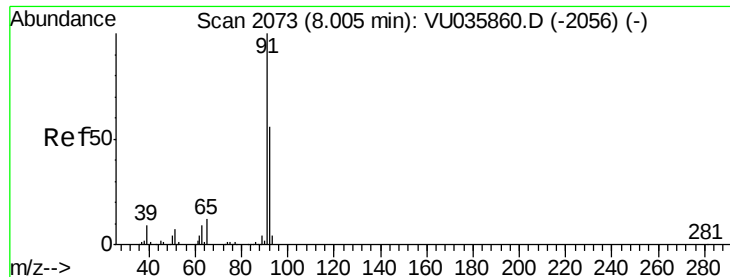
Tgt Ion: 75 Resp: 174028
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 47.226 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion: 43 Resp: 896311
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 12.3 10.0 15.0





#42

Toluene

Concen: 4.816 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

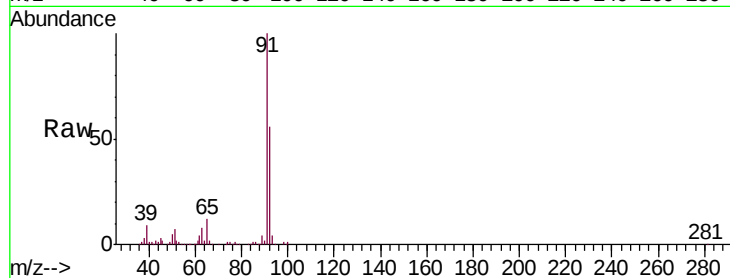
VSTD00512

Tgt Ion: 91 Resp: 546066

Ion Ratio Lower Upper

91 100

92 55.9 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035860.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU035860.D (-2056) (-)

8.01

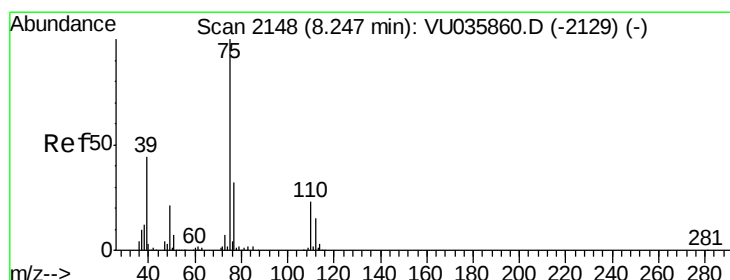
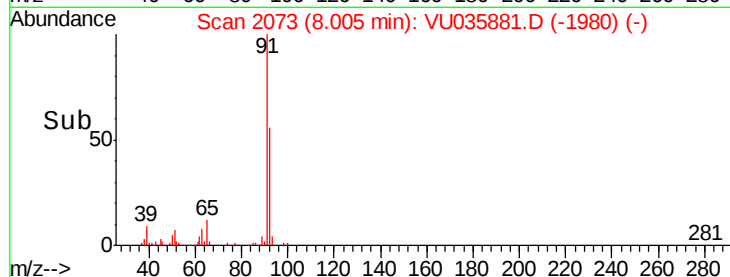
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.639 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035881.D

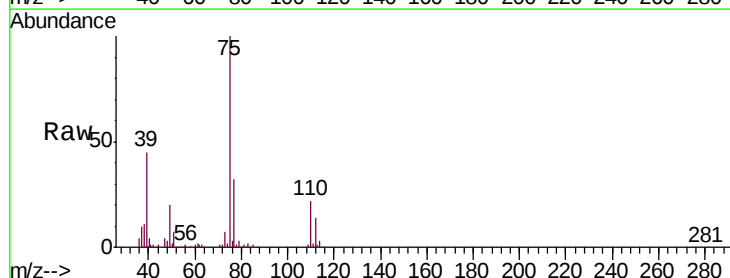
Acq: 27 Nov 2019 00:59

Tgt Ion: 75 Resp: 153929

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035860.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035860.D (-2129) (-)

8.25

80000

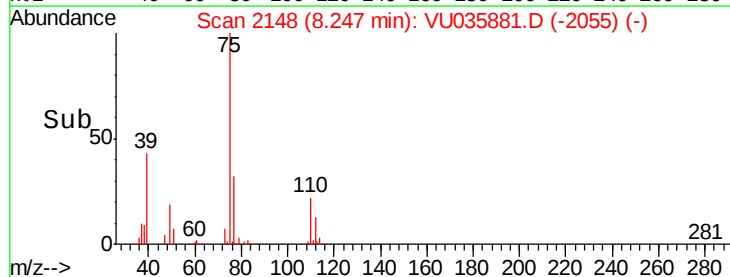
60000

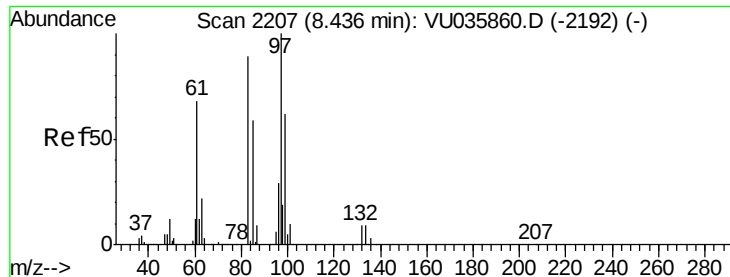
40000

20000

0

Time-->

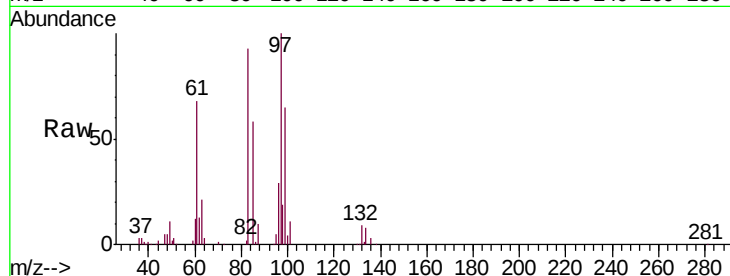




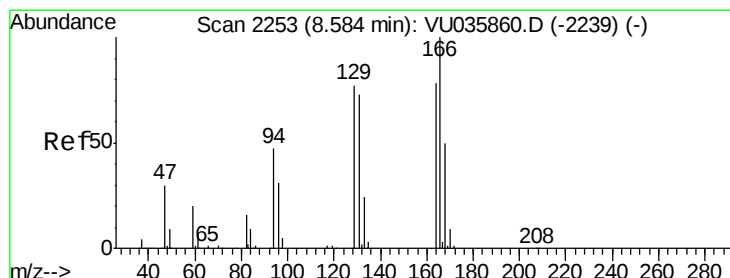
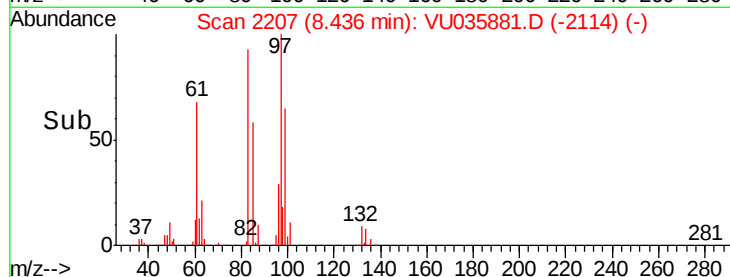
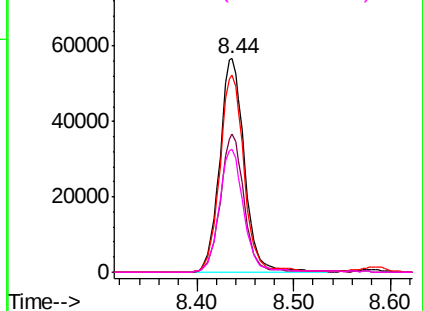
#45
 1,1,2-Trichloroethane
 Concen: 4.995 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion:	97	Resp:	100620
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.2	82.0
83	92.6	62.2	115.6
85	57.7	41.5	77.1

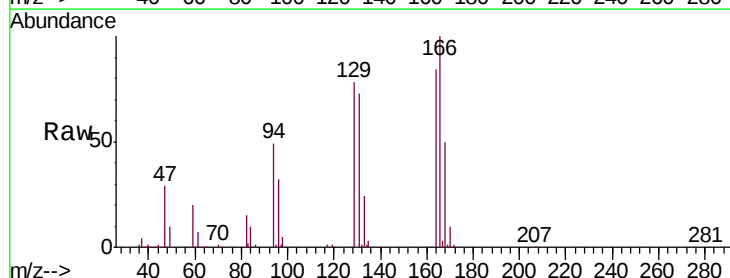


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

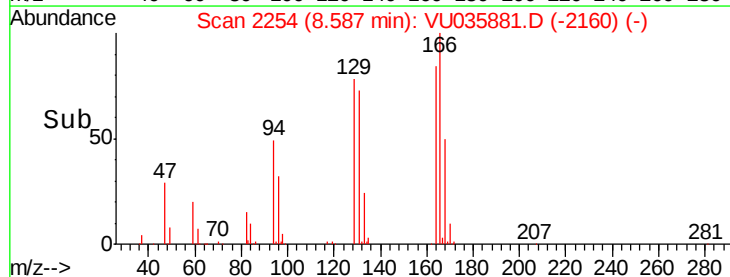
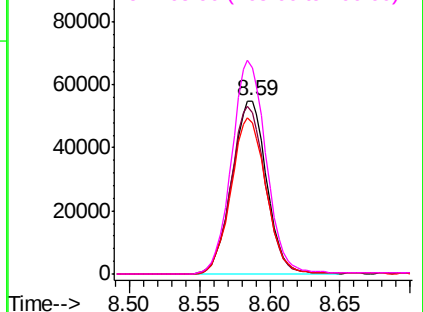


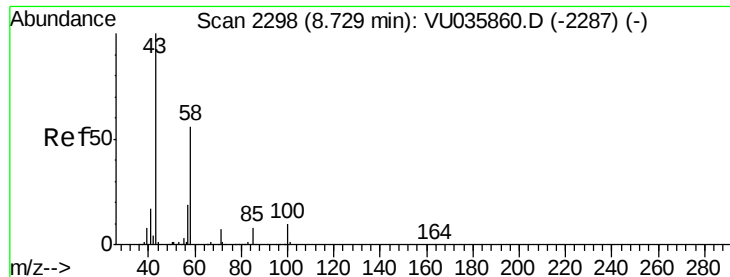
#47
 Tetrachloroethene
 Concen: 4.650 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion:	164	Resp:	94553
Ion	Ratio	Lower	Upper
164	100		
129	93.2	68.8	127.8
131	87.2	67.3	124.9
166	118.8	91.6	170.2



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

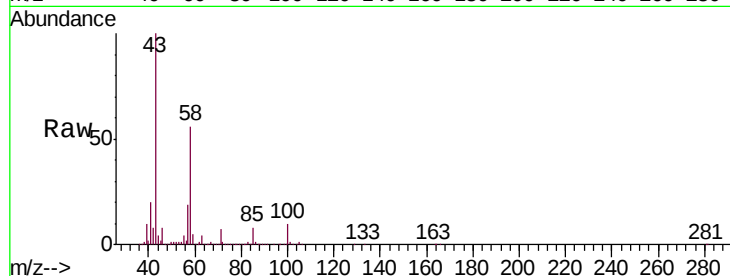




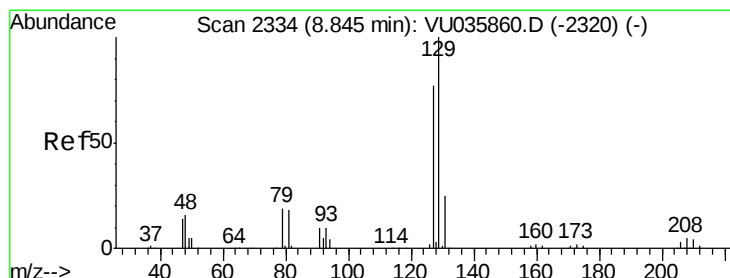
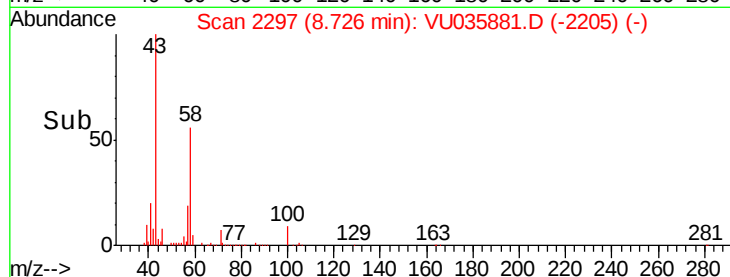
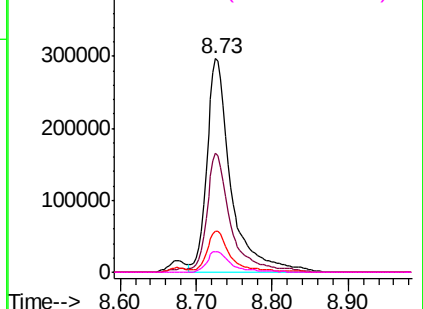
#48
2-Hexanone
Concen: 46.668 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tgt Ion:	43	Resp:	652097
Ion	Ratio	Lower	Upper
43	100		
58	55.0	39.8	59.8
57	17.4	14.0	21.0
100	10.0	7.2	10.8

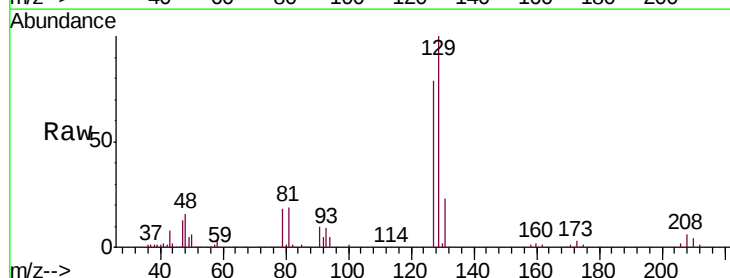


Abundance Ion 43.05 (42.75 to 43.75): VU035881.D (-2205) (-)
Ion 58.05 (57.75 to 58.75): VU035881.D (-2205) (-)
Ion 57.20 (56.90 to 57.90): VU035881.D (-2205) (-)
Ion 100.15 (99.85 to 100.85): VU035881.D (-2205) (-)

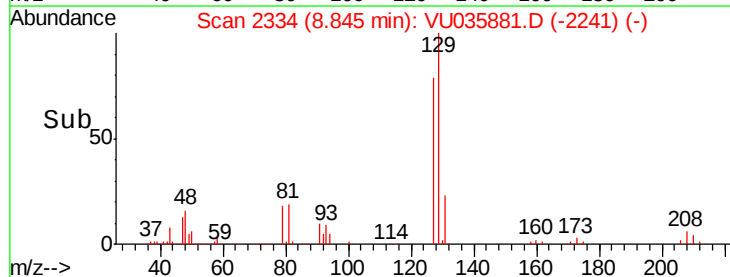
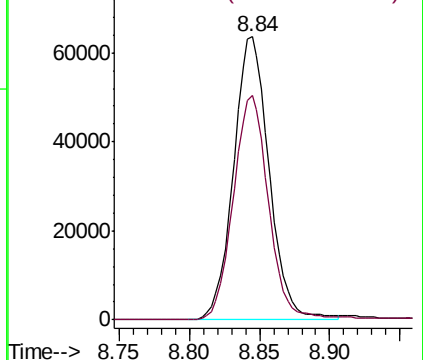


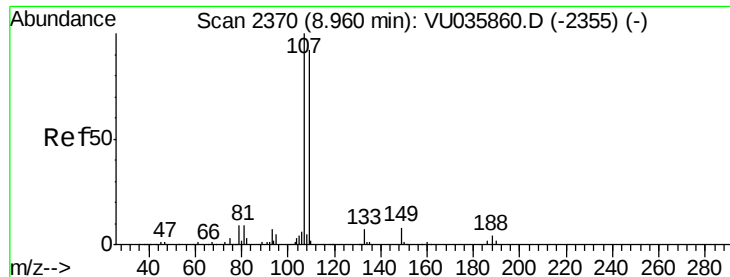
#49
Dibromochloromethane
Concen: 4.739 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Tgt Ion:	129	Resp:	112609
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035881.D (-2241) (-)
Ion 126.90 (126.60 to 127.60): VU035881.D (-2241) (-)

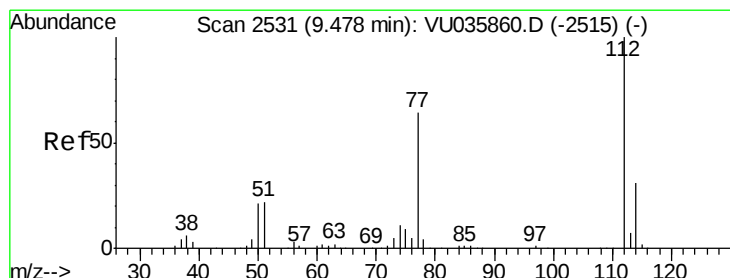
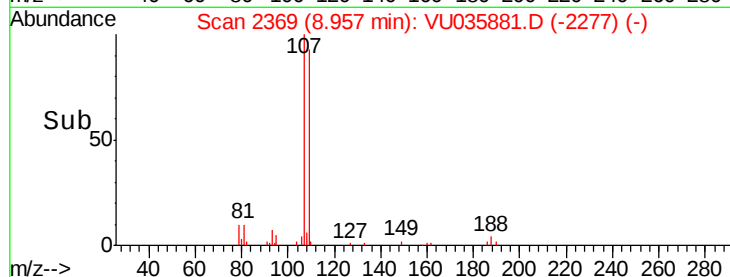
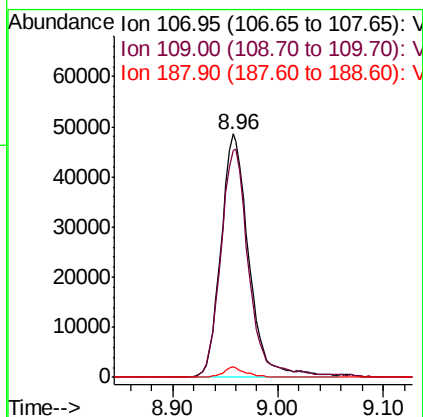
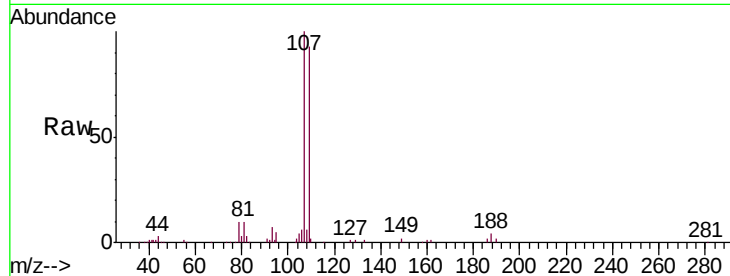




#50
1,2-Dibromoethane
Concen: 4.843 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

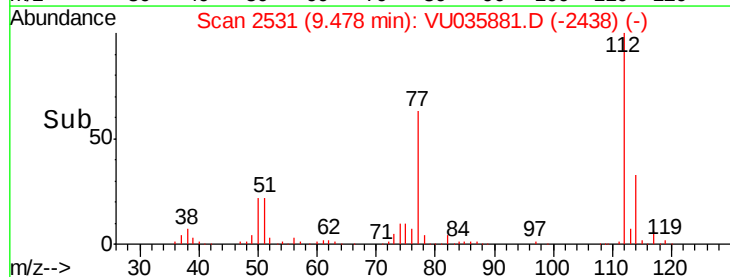
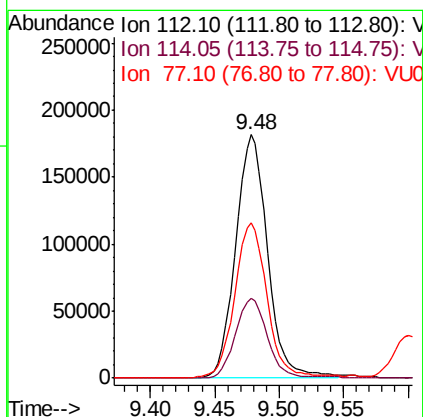
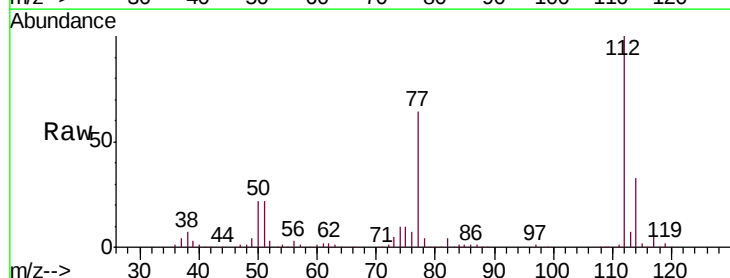
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

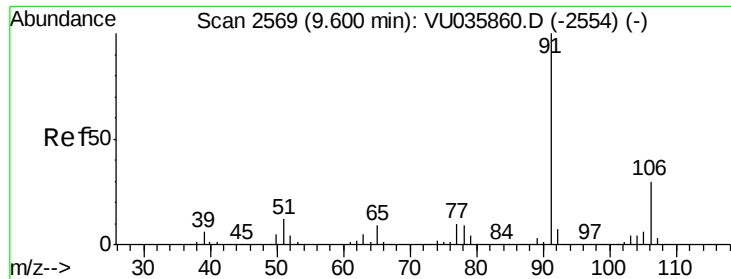
Tgt Ion:107 Resp: 89263
Ion Ratio Lower Upper
107 100
109 93.3 62.6 116.3
188 4.3 2.8 4.2#



#51
Chlorobenzene
Concen: 4.454 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Tgt Ion:112 Resp: 312807
Ion Ratio Lower Upper
112 100
114 33.0 22.2 41.2
77 63.5 50.1 75.1





#52

Ethylbenzene

Concen: 4.389 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

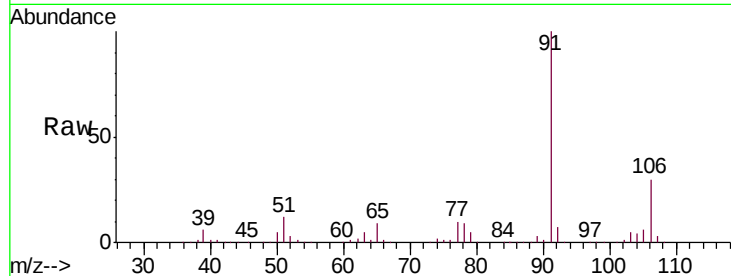
VSTD00512

Tgt Ion: 91 Resp: 514541

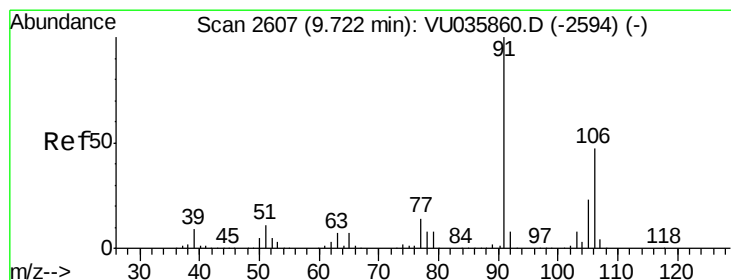
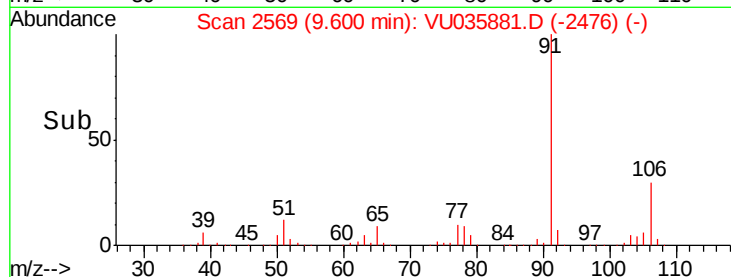
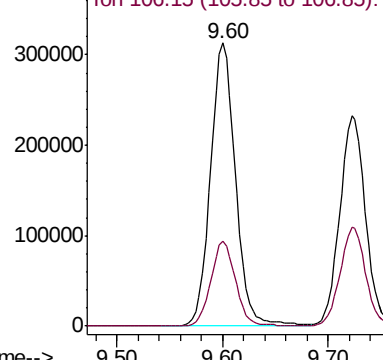
Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035860.D (-2554) (-)



#53

m,p-Xylene

Concen: 4.532 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035881.D

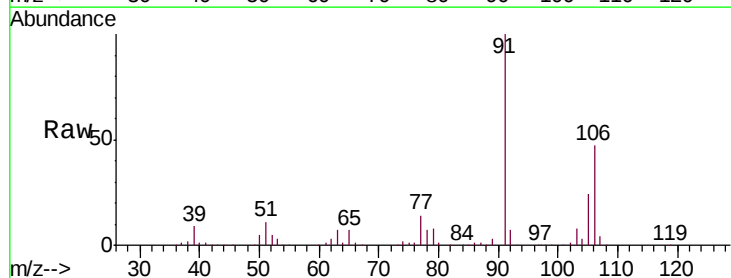
Acq: 27 Nov 2019 00:59

Tgt Ion: 106 Resp: 187347

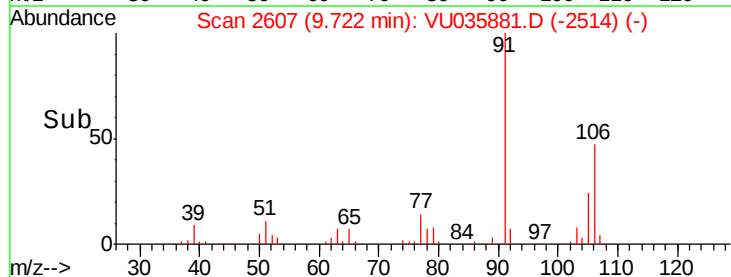
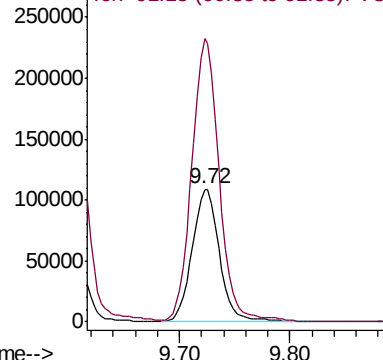
Ion Ratio Lower Upper

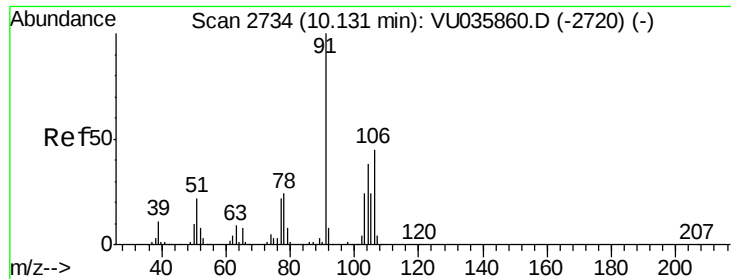
106 100

91 213.1 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035860.D (-2594) (-)

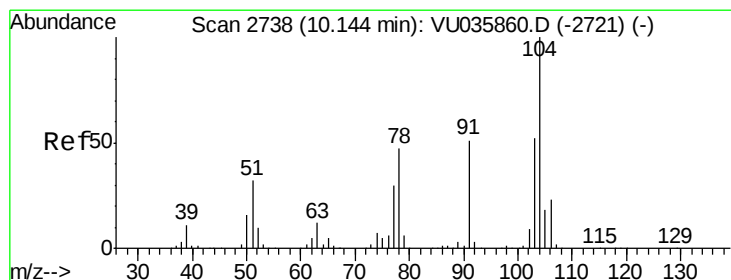
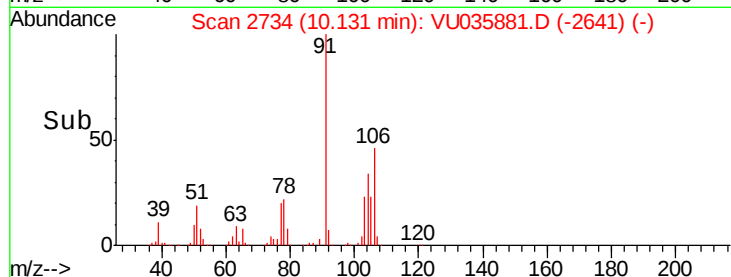
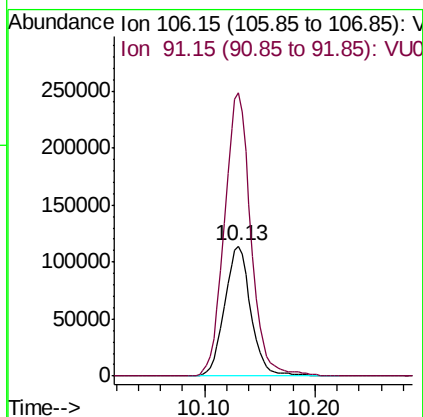
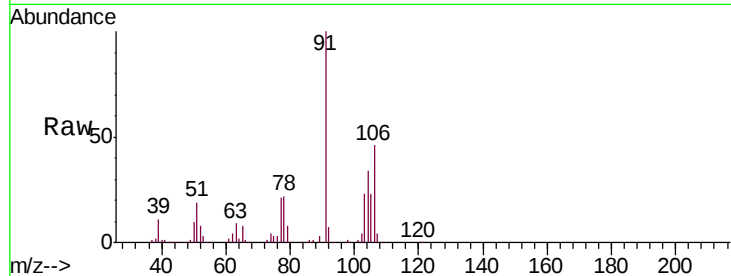




#54
o-Xylene
Concen: 4.701 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

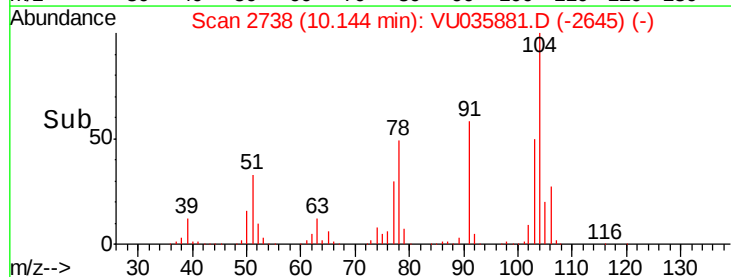
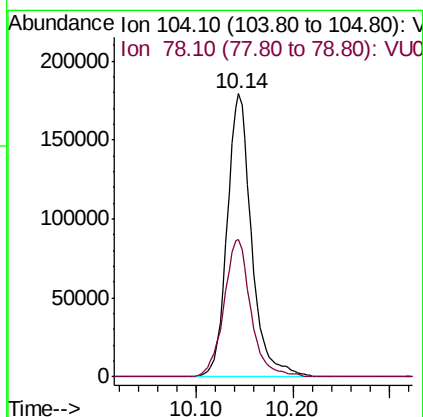
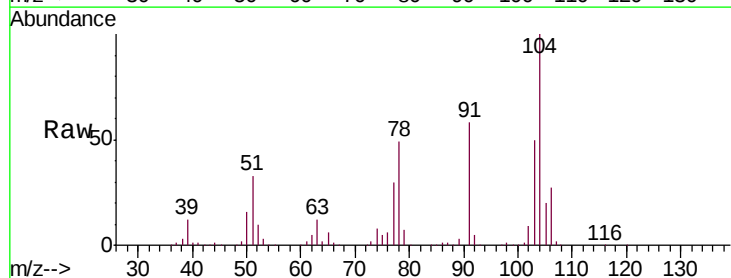
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

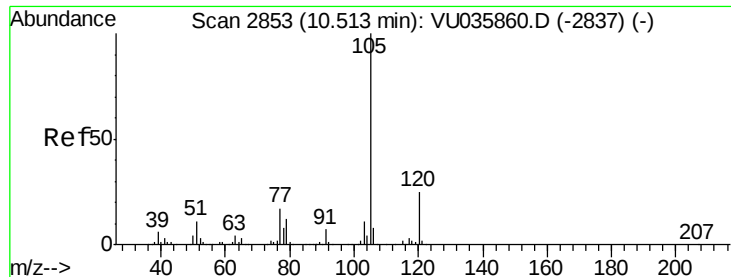
Tgt Ion:106 Resp: 188709
Ion Ratio Lower Upper
106 100
91 217.8 153.6 285.2



#55
Styrene
Concen: 4.720 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035881.D
Acq: 27 Nov 2019 00:59

Tgt Ion:104 Resp: 314310
Ion Ratio Lower Upper
104 100
78 48.6 33.9 62.9





#56

Isopropylbenzene

Concen: 4.563 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

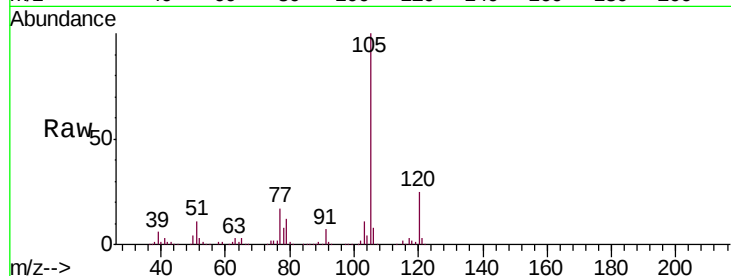
Tgt Ion: 105 Resp: 483899

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

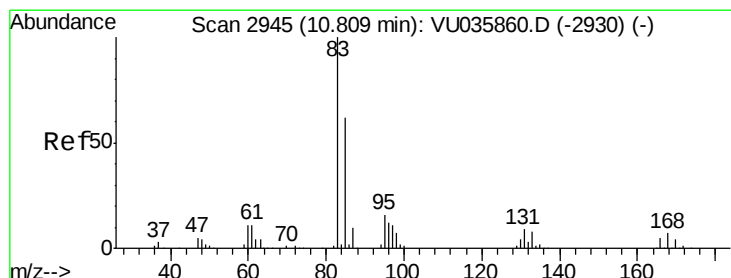
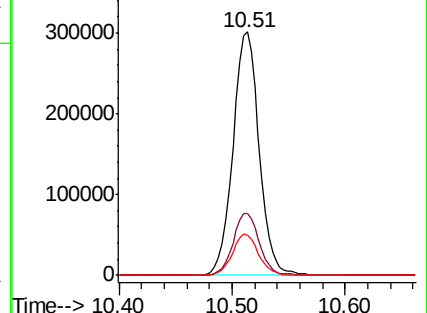
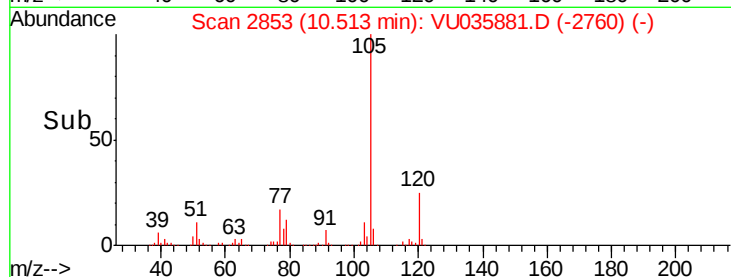
77 17.0 13.7 20.5



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: 4.745 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

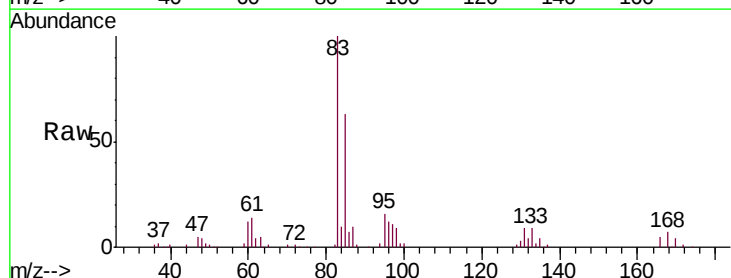
Tgt Ion: 83 Resp: 132271

Ion Ratio Lower Upper

83 100

85 63.3 44.6 82.8

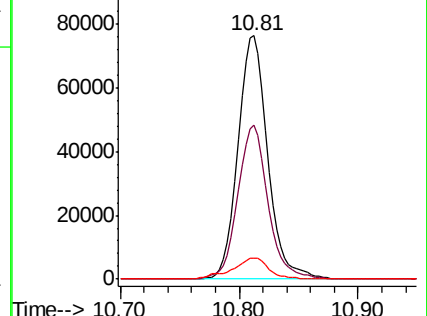
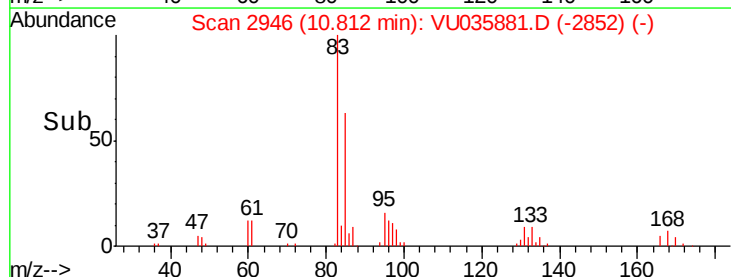
131 8.8 6.9 10.3

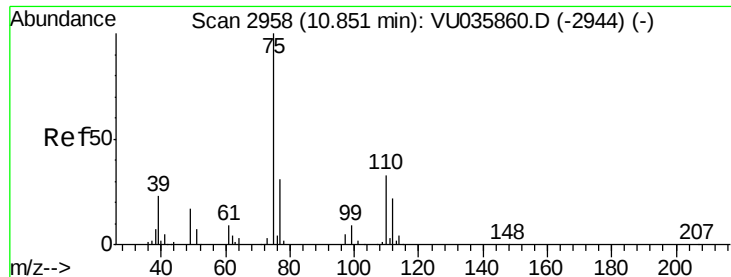


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.654 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

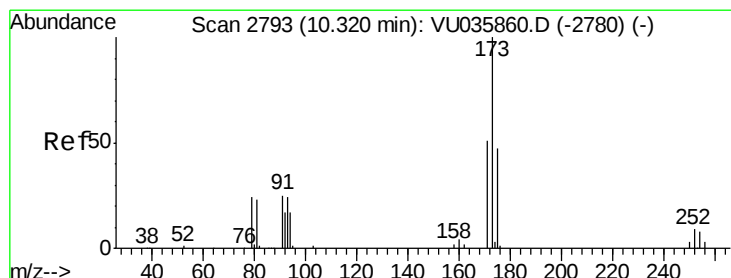
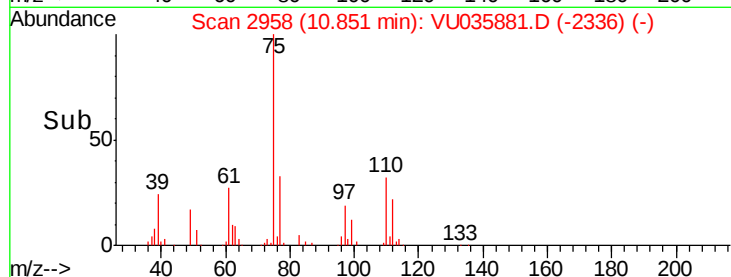
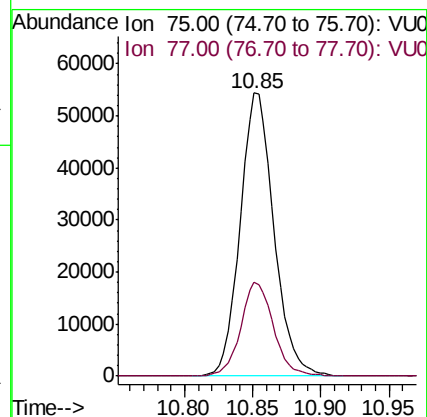
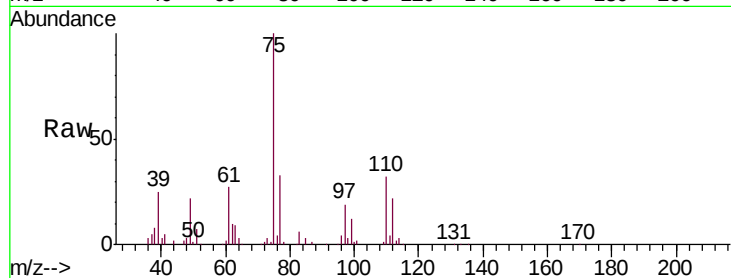
VSTD00512

Tgt Ion: 75 Resp: 93526

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#61

Bromoform

Concen: 5.030 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

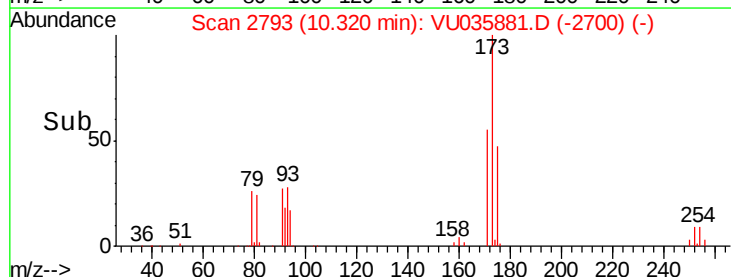
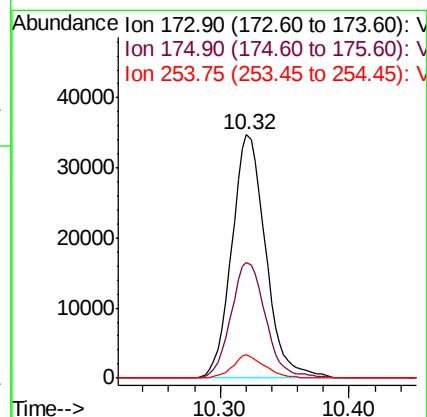
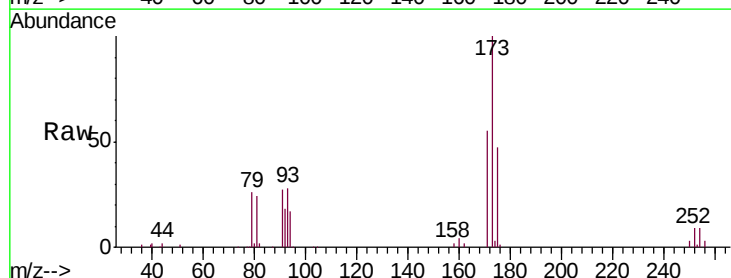
Tgt Ion: 173 Resp: 63240

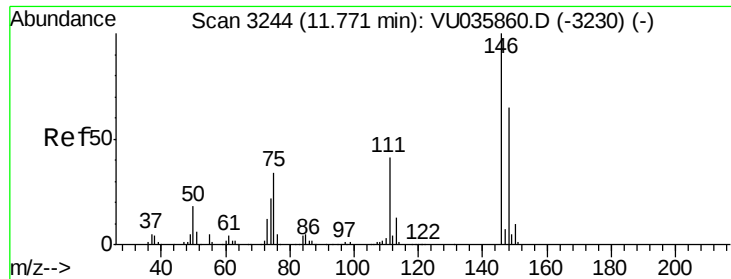
Ion Ratio Lower Upper

173 100

175 48.7 40.1 60.1

254 9.0 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.714 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

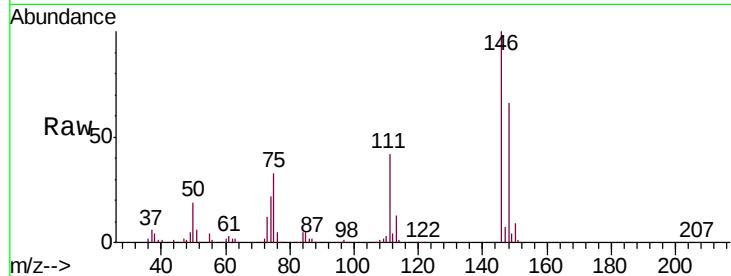
Tgt Ion:146 Resp: 211729

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.7

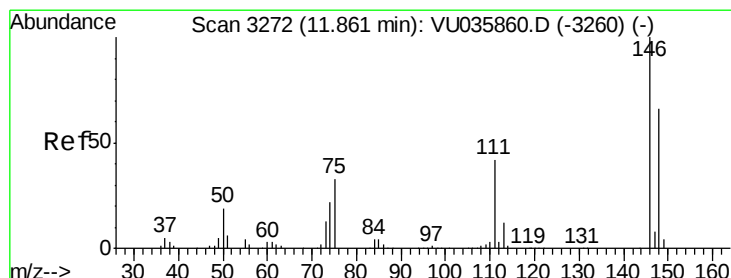
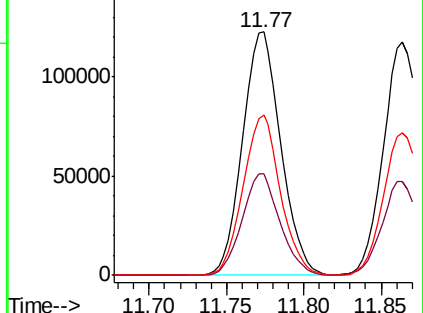
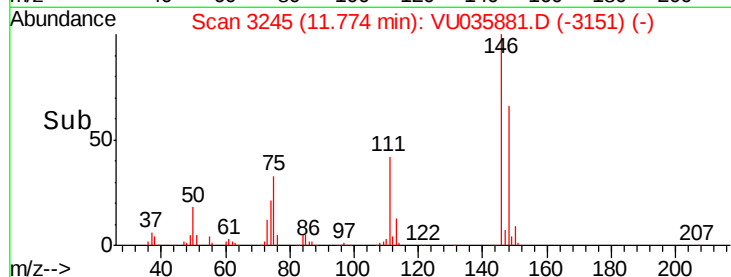
148 66.1 44.1 81.9



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: 4.597 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

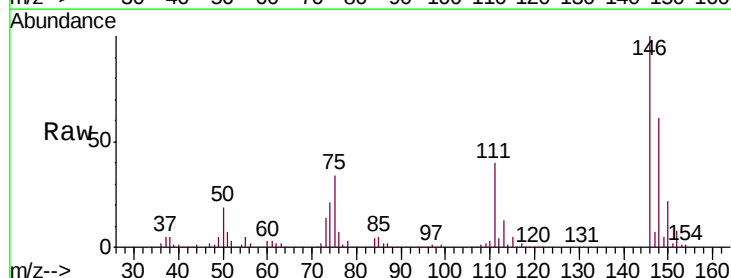
Tgt Ion:146 Resp: 203261

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.7

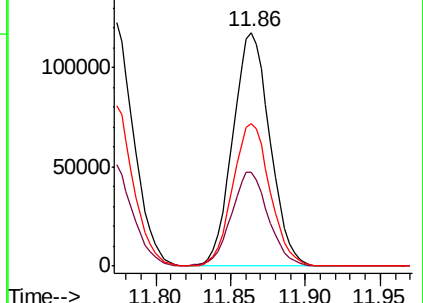
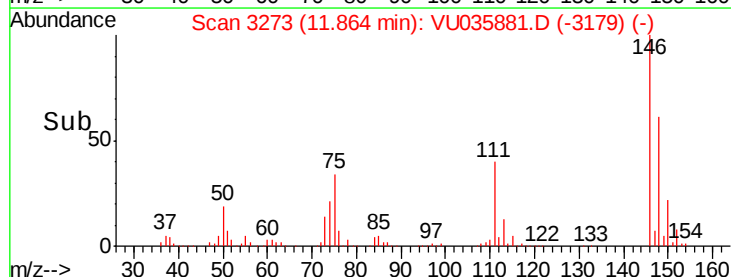
148 60.9 44.2 82.2

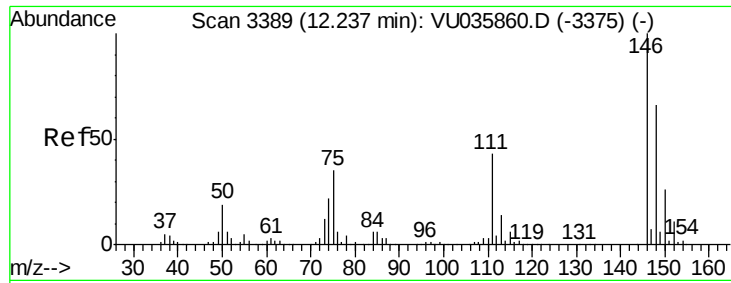


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.787 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

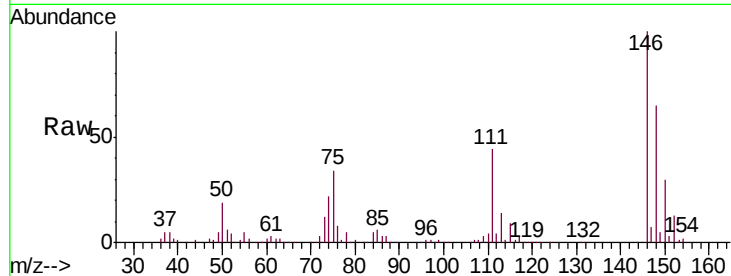
Tgt Ion:146 Resp: 205131

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

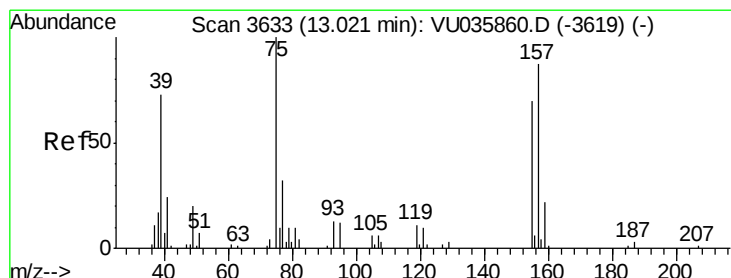
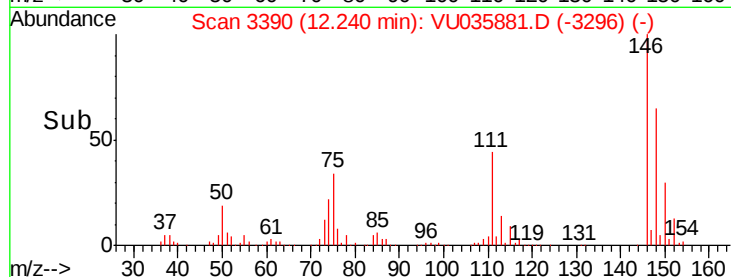
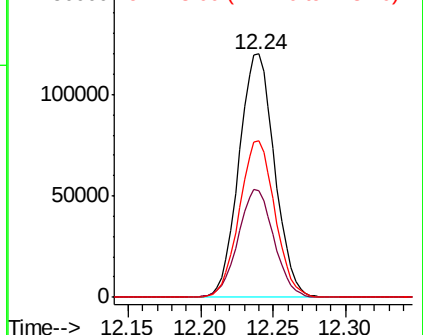
148 64.5 50.8 76.2



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: 4.452 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

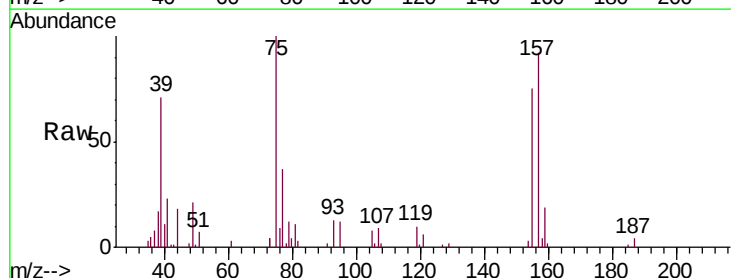
Tgt Ion: 75 Resp: 15788

Ion Ratio Lower Upper

75 100

155 75.2 55.4 83.2

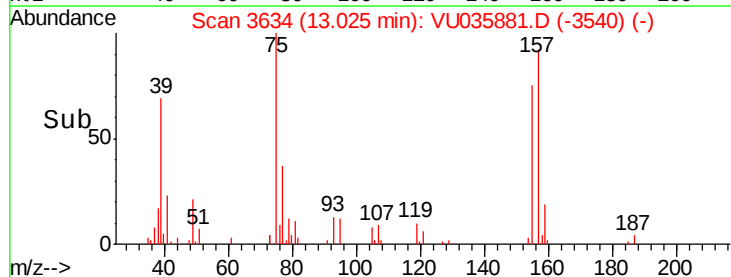
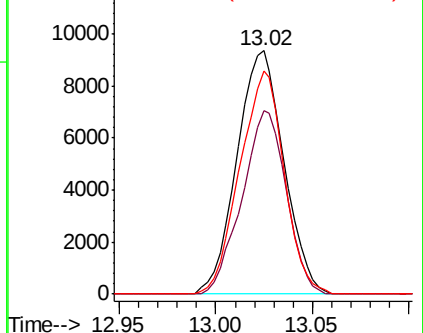
157 91.6 69.4 104.2

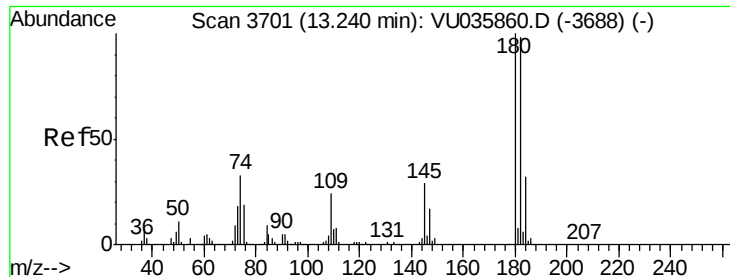


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

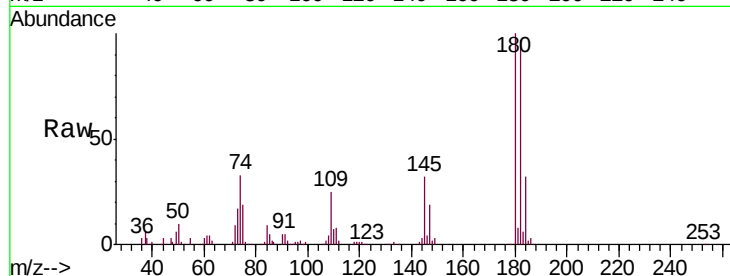




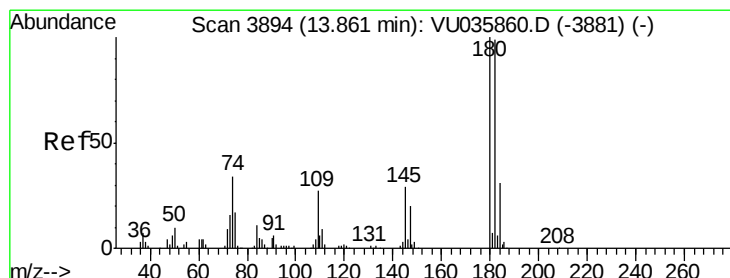
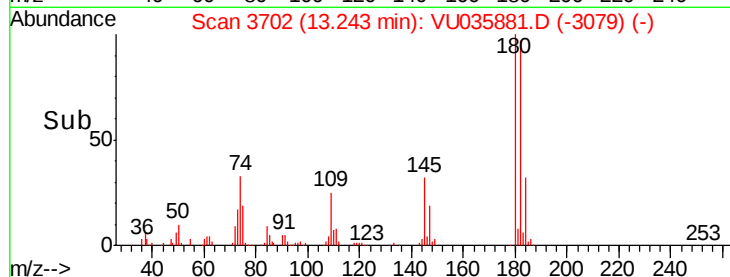
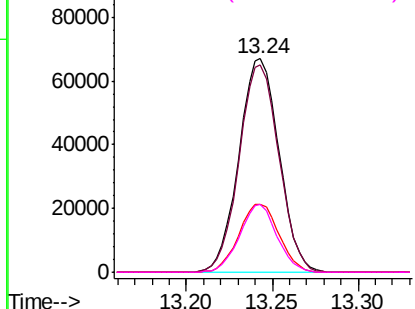
#67
 1,3,5-Trichlorobenzene
 Concen: 4.008 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tgt Ion:180 Resp: 108174
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.6 113.4
 184 31.9 24.1 36.1
 145 29.5 23.7 35.5

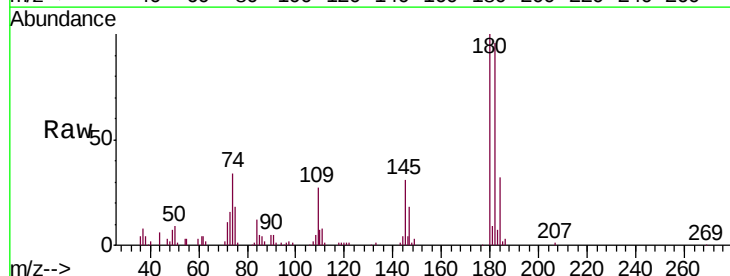


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

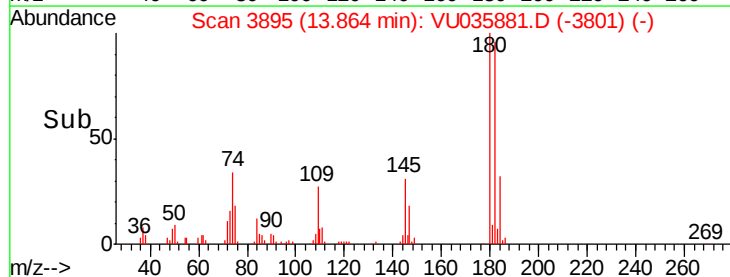
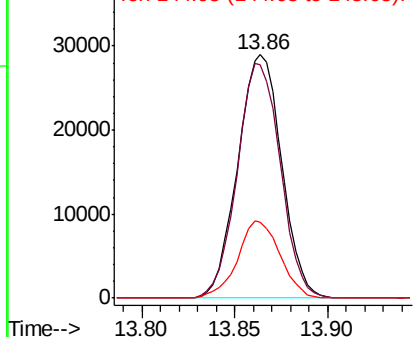


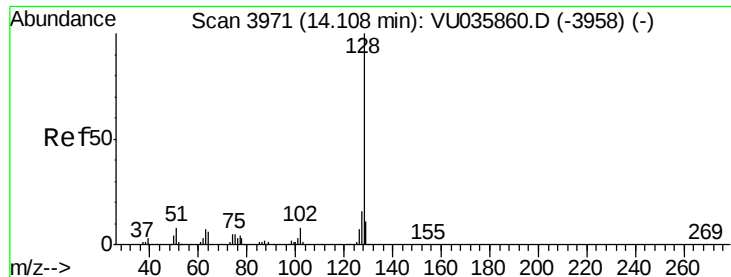
#68
 1,2,4-trichlorobenzene
 Concen: 3.076 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035881.D
 Acq: 27 Nov 2019 00:59

Tgt Ion:180 Resp: 47720
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.1 112.7
 145 30.7 24.0 36.0



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: 2.445 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

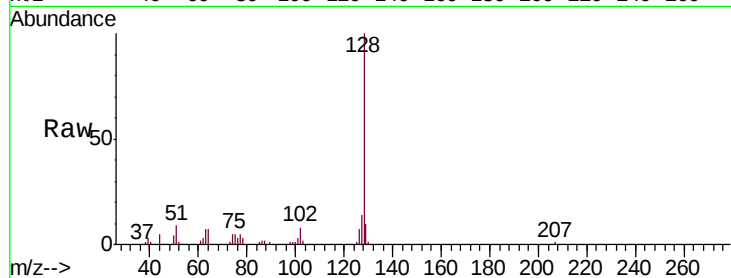
Tgt Ion:128 Resp: 53400

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

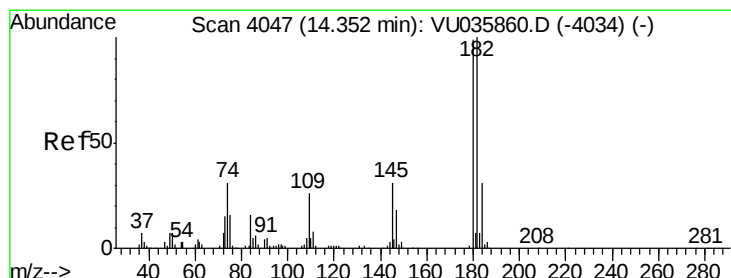
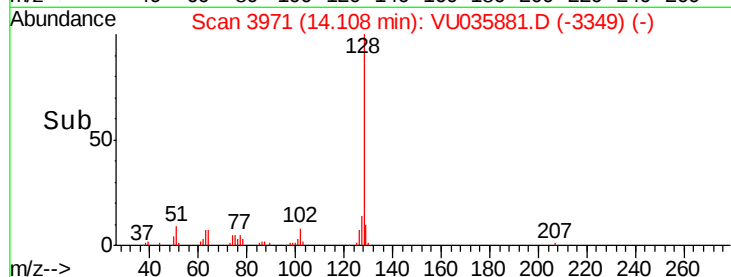
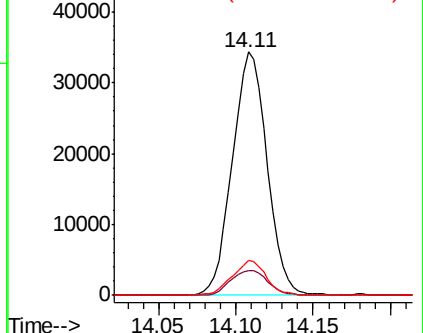
127 14.0 11.8 17.6



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: 3.413 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035881.D

Acq: 27 Nov 2019 00:59

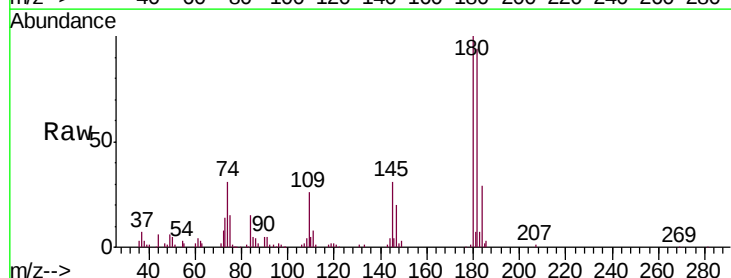
Tgt Ion:180 Resp: 51485

Ion Ratio Lower Upper

180 100

182 93.4 77.4 116.0

145 32.2 24.7 37.1



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

