

Data File : VU030133.D
Acq On : 16 Mar 2019 10:31
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Mar 18 04:23:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	501259	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	494012	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	261226	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171941	51.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.72%
7) Chloroethane-d5	1.68	69	146516	54.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.48%
11) 1,1-Dichloroethene-d2	2.27	63	307266	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.68%
21) 2-Butanone-d5	4.17	46	281602	113.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.36%
24) Chloroform-d	4.64	84	331473	55.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.46%
26) 1,2-Dichloroethane-d4	5.31	65	191636	55.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.54%
32) Benzene-d6	5.34	84	678612	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.33	67	213126	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.52%
41) Toluene-d8	7.56	98	631547	53.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.08%
43) trans-1,3-Dichloropropene-	7.85	79	103520	54.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.82%
47) 2-Hexanone-d5	8.31	63	239650	110.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	334883	55.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	269407	53.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	150311	47.458 ug/L	100
3) Chloromethane	1.33	50	156806	44.875 ug/L	99
5) Vinyl chloride	1.40	62	180378	47.091 ug/L	99
6) Bromomethane	1.62	94	90189	38.009 ug/L	100
8) Chloroethane	1.70	64	111991	44.609 ug/L	97
9) Trichlorofluoromethane	1.88	101	252607	49.174 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	166656	50.608 ug/L	99
12) 1,1-Dichloroethene	2.28	96	151944	48.362 ug/L	98
13) Acetone	2.32	43	245985	84.691 ug/L	99
14) Carbon disulfide	2.48	76	435372	44.710 ug/L	100
15) Methyl Acetate	2.61	43	183570	48.919 ug/L	99
16) Methylene chloride	2.70	84	177250	47.778 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	165384	48.337 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	496262	48.905 ug/L	100
19) 1,1-Dichloroethane	3.44	63	294612	50.152 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	188227	48.325 ug/L	100
22) 2-Butanone	4.26	43	292756	88.536 ug/L	99

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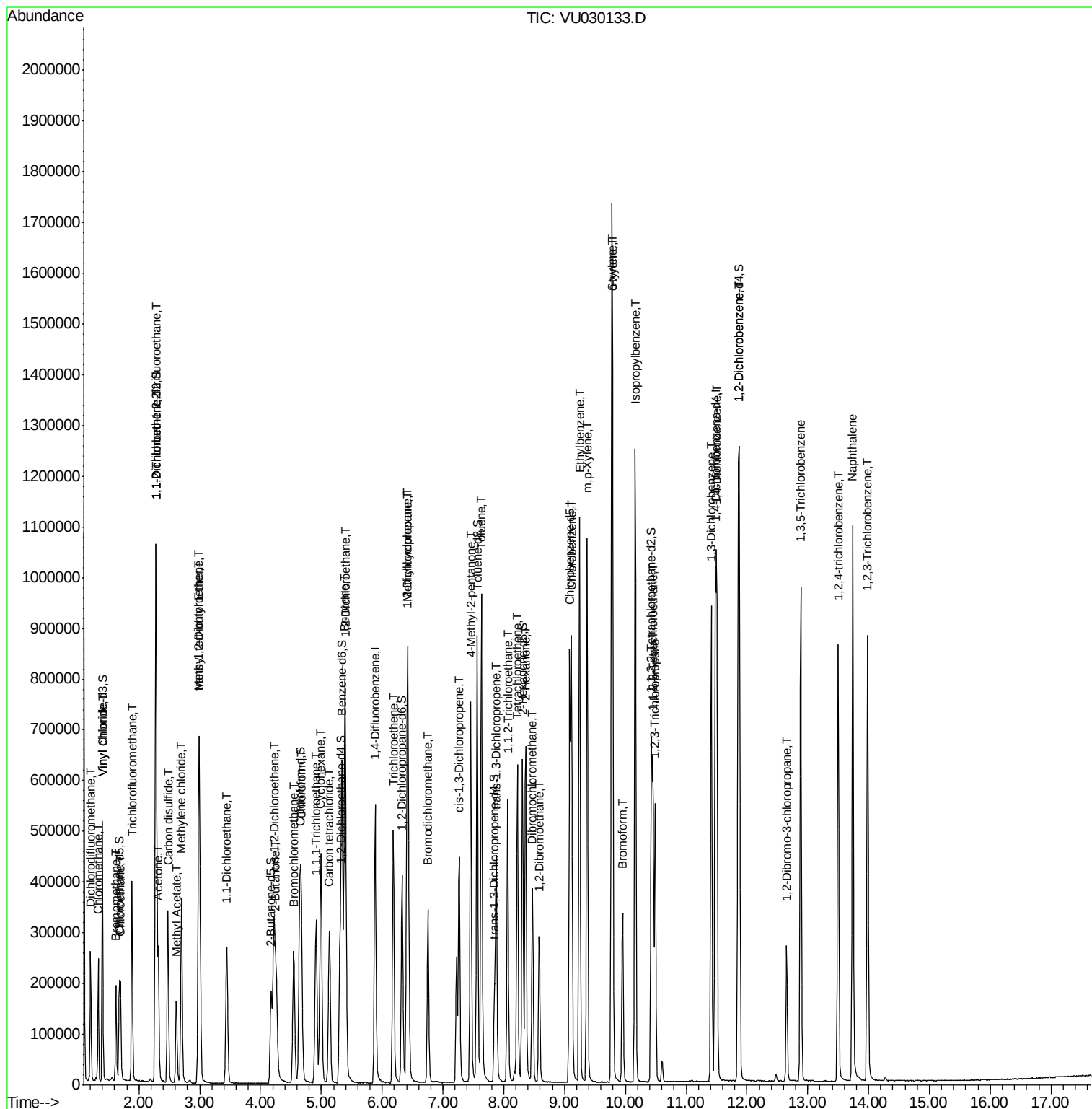
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98202	48.671	ug/L	99
25) Chloroform	4.67	83	312076	50.616	ug/L	99
27) 1,2-Dichloroethane	5.40	62	216297	48.795	ug/L	98
29) Cyclohexane	4.99	56	253236	46.477	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	262056	48.591	ug/L	99
31) Carbon tetrachloride	5.13	117	226628	47.588	ug/L	100
33) Benzene	5.39	78	683550	48.354	ug/L	100
34) Trichloroethene	6.18	95	179359	48.410	ug/L	99
35) Methylcyclohexane	6.41	83	288848	48.078	ug/L	99
37) 1,2-Dichloropropane	6.43	63	185053	49.767	ug/L	100
38) Bromodichloromethane	6.75	83	232947	50.379	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	288347	49.831	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	481272	95.857	ug/L	99
42) Toluene	7.63	91	750537	48.832	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	267376	50.607	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	185098	49.775	ug/L	98
46) Tetrachloroethene	8.22	164	154082	47.522	ug/L	99
48) 2-Hexanone	8.36	43	404199	94.368	ug/L	99
49) Dibromochloromethane	8.47	129	210904	50.762	ug/L	98
50) 1,2-Dibromoethane	8.58	107	199487	48.668	ug/L	98
51) Chlorobenzene	9.12	112	501333	48.382	ug/L	99
52) Ethylbenzene	9.25	91	826286	48.835	ug/L	98
53) m,p-Xylene	9.37	106	323428	49.406	ug/L	96
54) o-xylene	9.77	106	317393	49.362	ug/L	99
55) Styrene	9.79	104	545193	49.796	ug/L	100
56) Isopropylbenzene	10.16	105	834855	49.595	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	316246	49.549	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	234890	48.505	ug/L	100
61) Bromoform	9.95	173	161740	49.742	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	411565	48.786	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	419655	48.921	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	421862	49.680	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67148	48.661	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	326706	49.895	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	292442	48.826	ug/L	99
69) Naphthalene	13.74	128	923993	47.481	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308435	49.570	ug/L	99

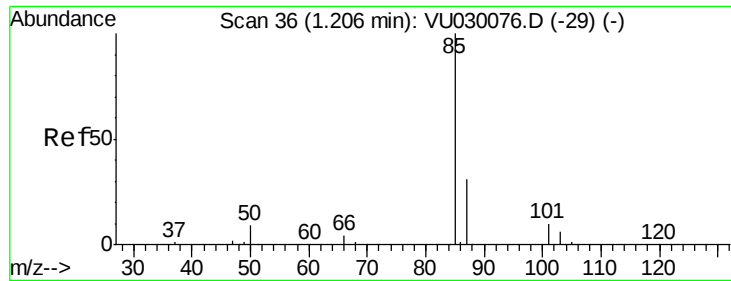
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.458 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

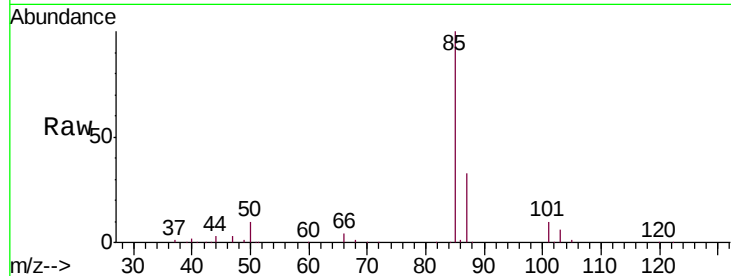
VSTD05041

Tgt Ion: 85 Resp: 150311

Ion Ratio Lower Upper

85 100

87 32.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU030133.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030133.D (-1) (-)

1.21

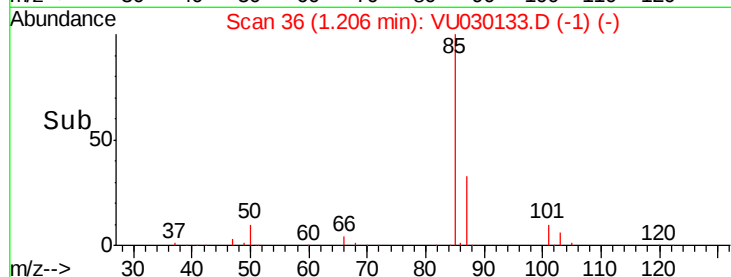
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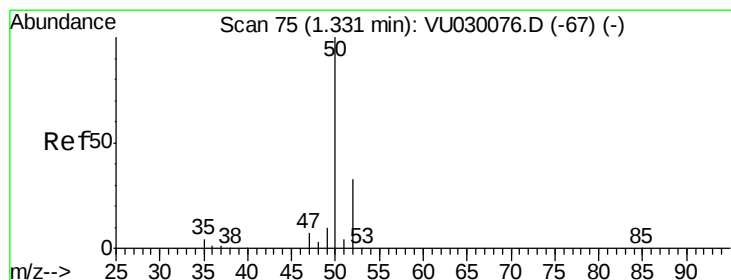
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 44.875 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030133.D

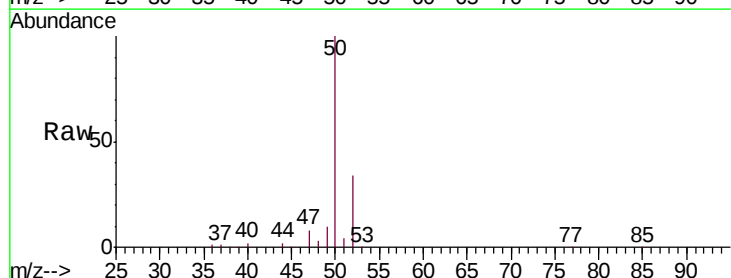
Acq: 16 Mar 2019 10:31

Tgt Ion: 50 Resp: 156806

Ion Ratio Lower Upper

50 100

52 33.9 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030133.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030133.D (-1) (-)

1.33

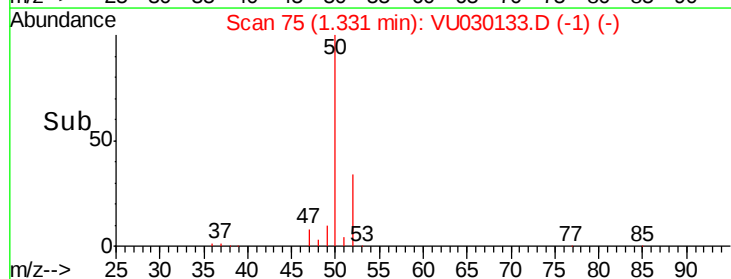
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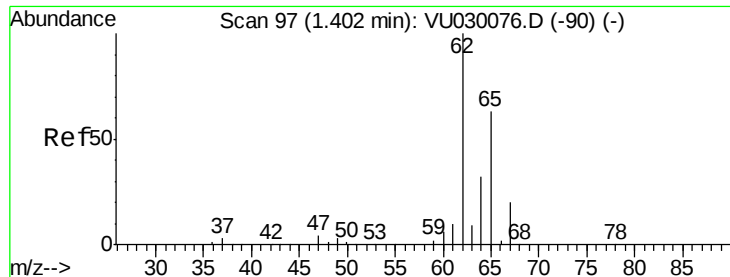
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Time-->



Time-->



#5

Vinyl chloride

Concen: 47.091 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

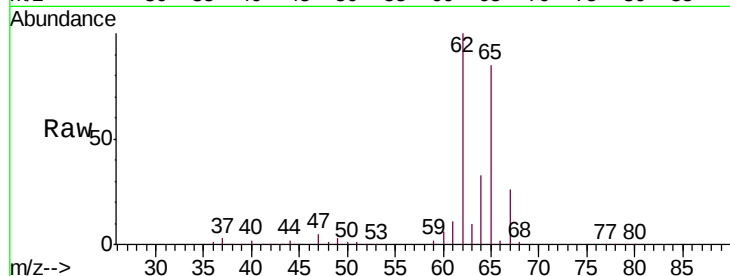
VSTD05041

Tgt Ion: 62 Resp: 180378

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU030133.D (-4) (-)

Ion 64.00 (63.70 to 64.70): VU030133.D (-4) (-)

1.40

200000

150000

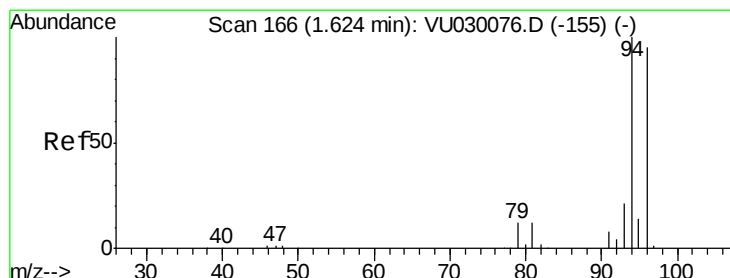
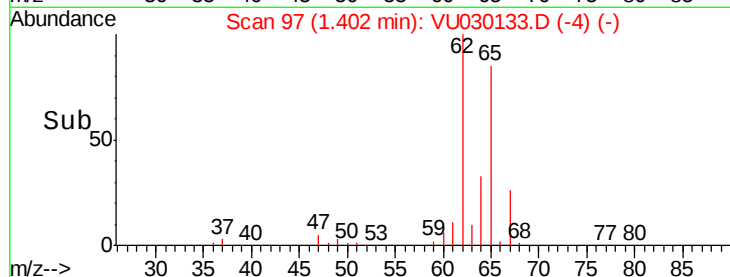
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 38.009 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU030133.D

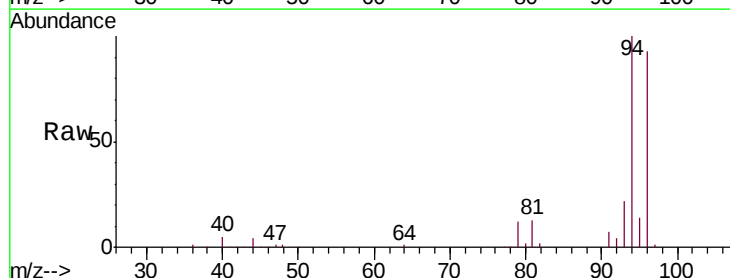
Acq: 16 Mar 2019 10:31

Tgt Ion: 94 Resp: 90189

Ion Ratio Lower Upper

94 100

96 93.3 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU030133.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU030133.D (-71) (-)

1.62

80000

60000

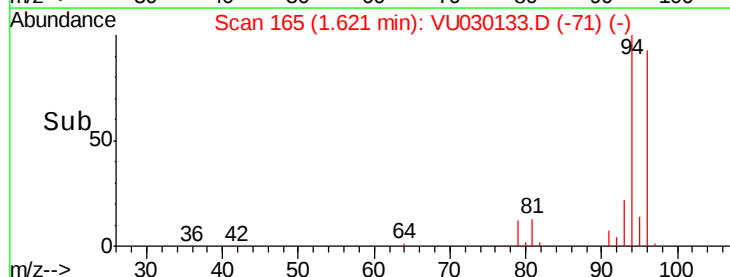
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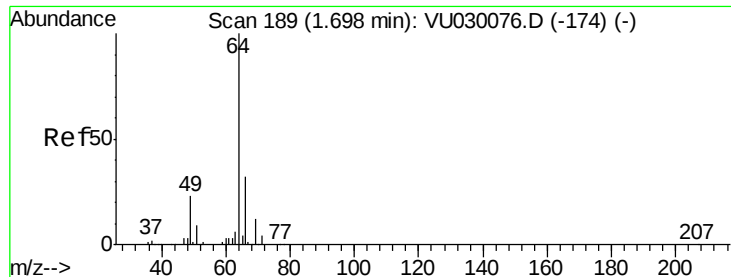
20000

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Time-->

1.55 1.60 1.65 1.70





#8

Chloroethane

Concen: 44.609 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

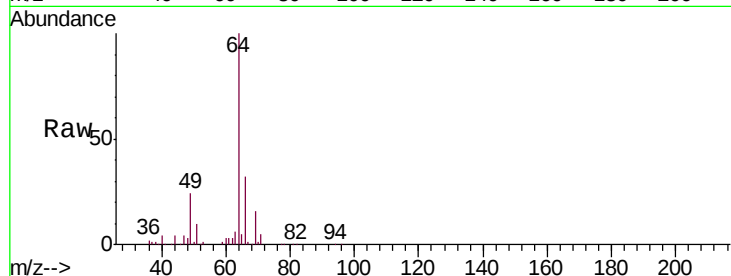
VSTD05041

Tgt Ion: 64 Resp: 111991

Ion Ratio Lower Upper

64 100

66 32.4 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU030076.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU030076.D (-174) (-)

1.70

80000

60000

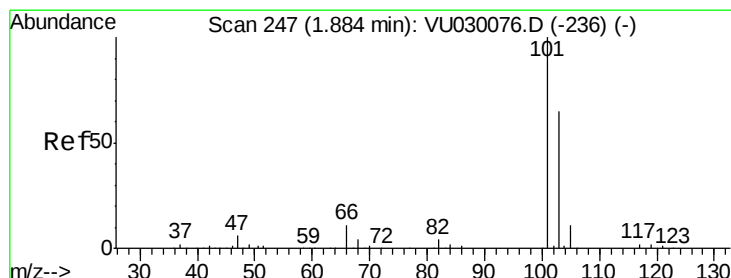
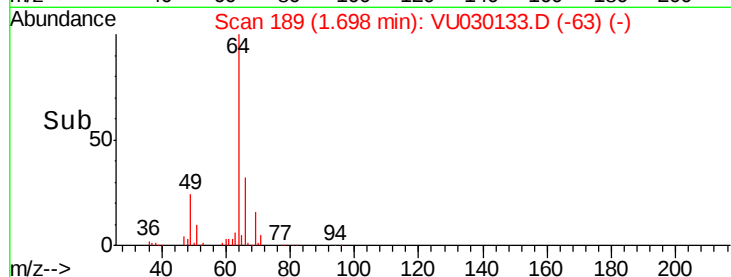
40000

20000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 49.174 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030133.D

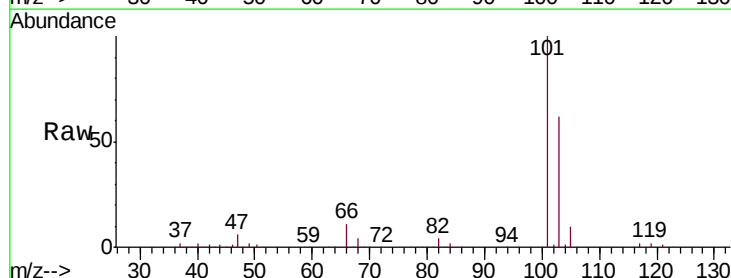
Acq: 16 Mar 2019 10:31

Tgt Ion: 101 Resp: 252607

Ion Ratio Lower Upper

101 100

103 63.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU030076.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030076.D (-236) (-)

1.88

200000

150000

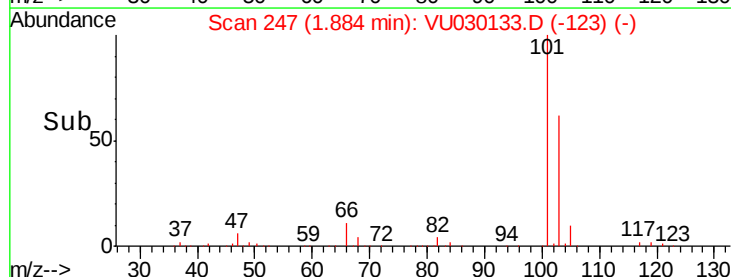
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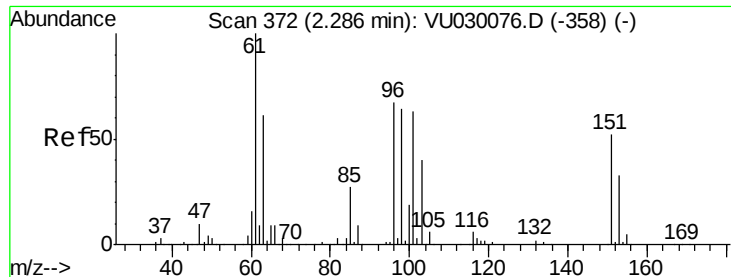
50000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 50.608 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030133.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

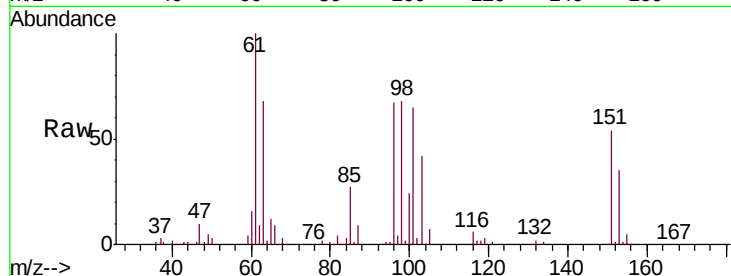
Tgt Ion: 101 Resp: 166656

Ion Ratio Lower Upper

101 100

85 40.6 33.0 49.4

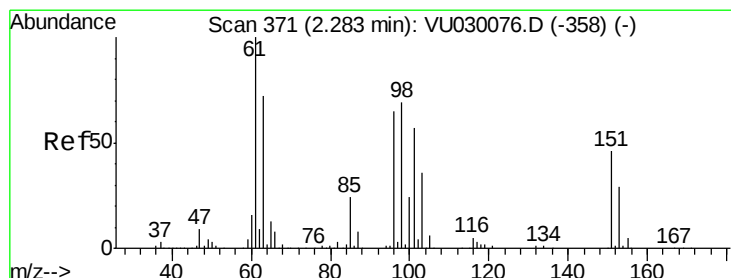
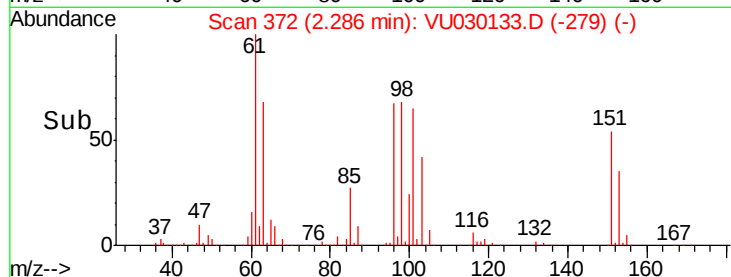
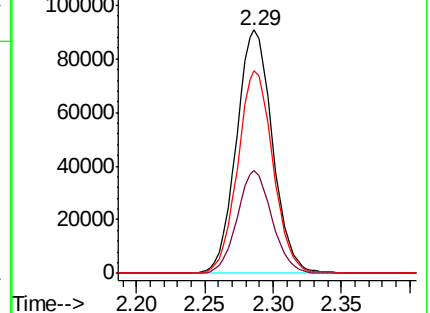
151 81.2 66.1 99.1



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: 48.362 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

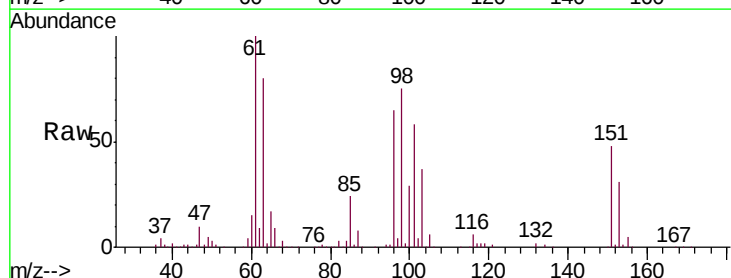
Tgt Ion: 96 Resp: 151944

Ion Ratio Lower Upper

96 100

61 152.7 110.4 205.0

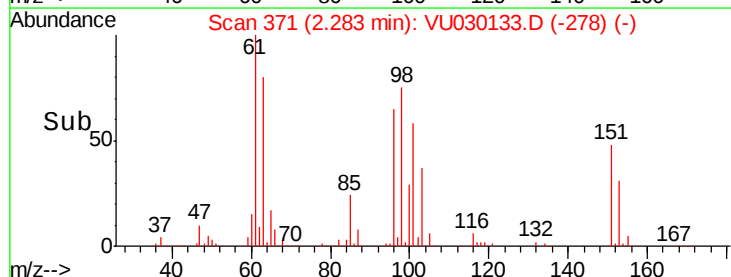
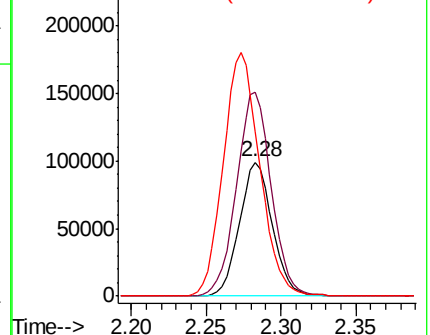
63 122.8 86.5 160.7

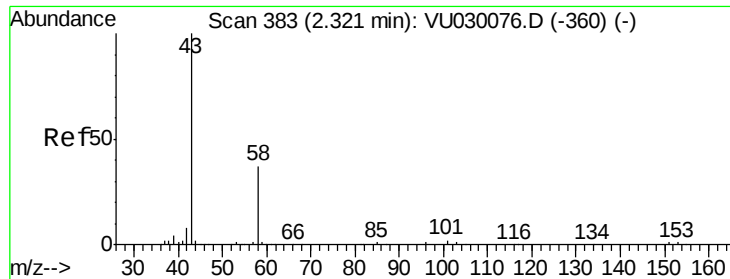


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.691 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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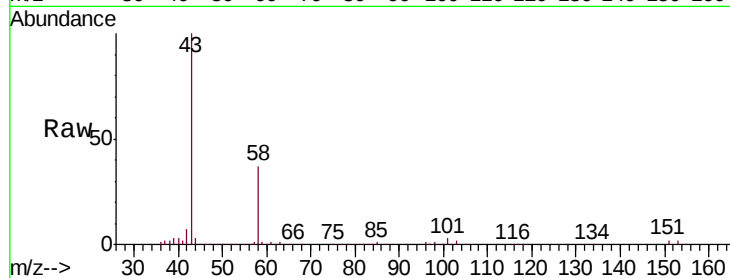
VSTD05041

Tgt Ion: 43 Resp: 245985

Ion Ratio Lower Upper

43 100

58 36.0 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030076.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU030076.D (-360) (-)

2.32

150000

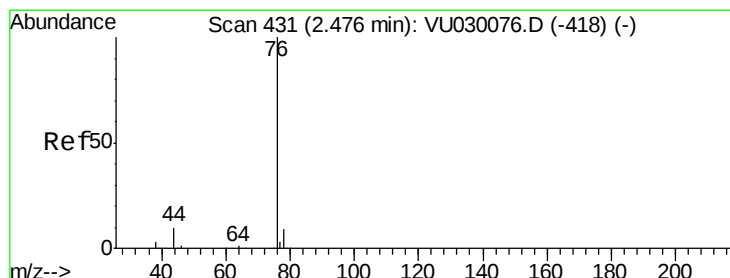
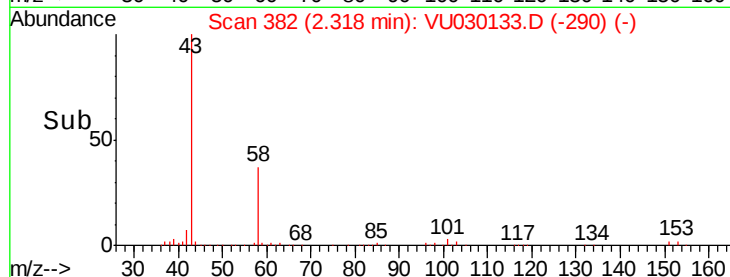
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 44.710 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030133.D

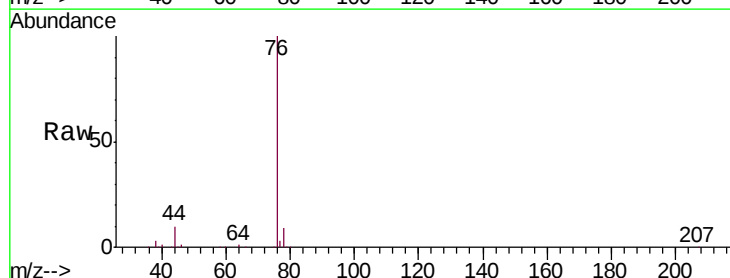
Acq: 16 Mar 2019 10:31

Tgt Ion: 76 Resp: 435372

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030076.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030076.D (-418) (-)

2.48

300000

250000

200000

150000

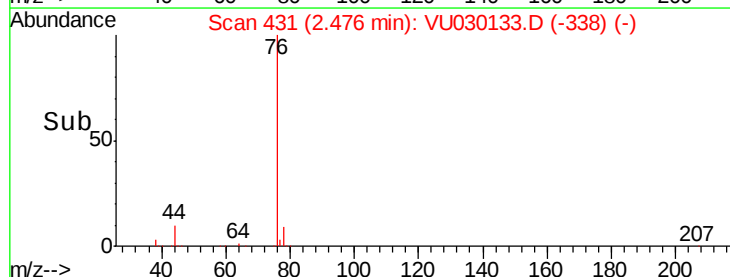
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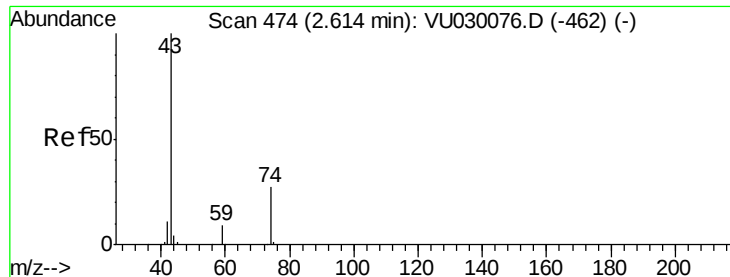
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Time-->

2.40 2.45 2.50 2.55 2.60

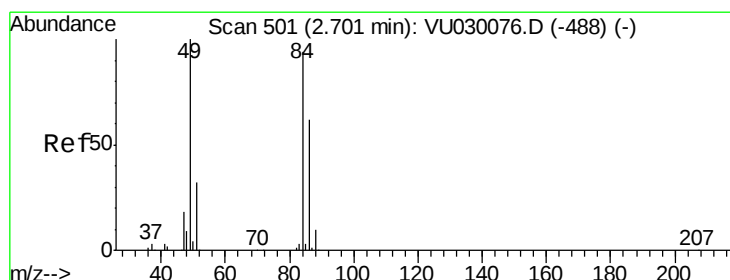
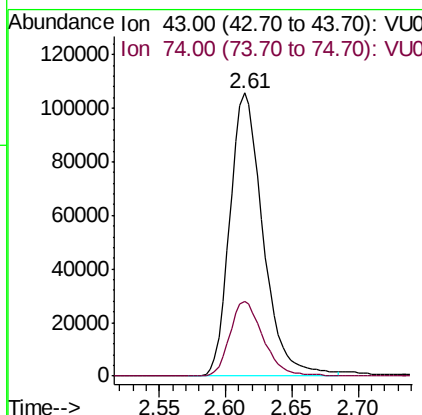
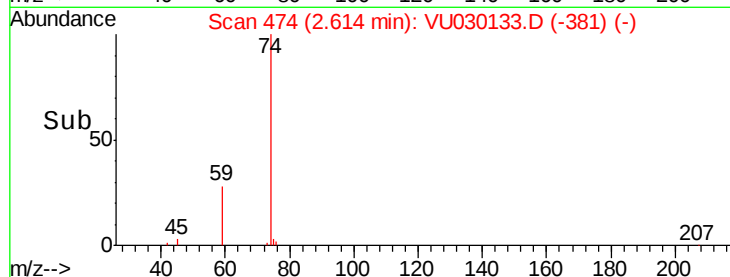
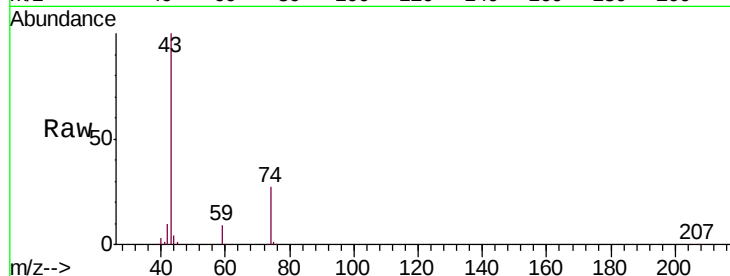




#15
Methyl Acetate
Concen: 48.919 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

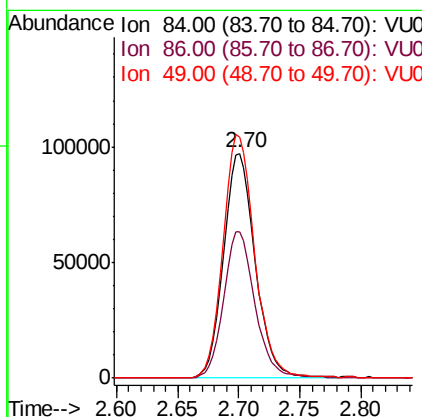
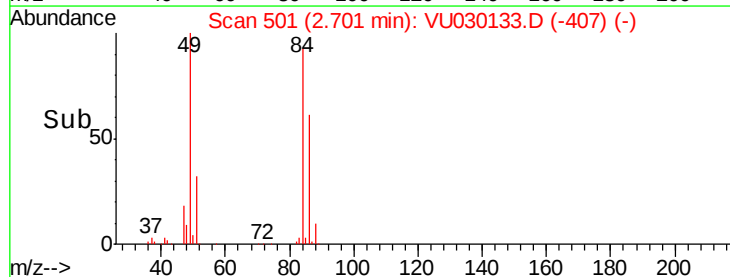
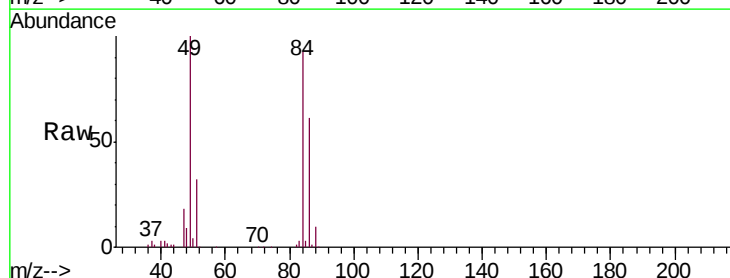
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

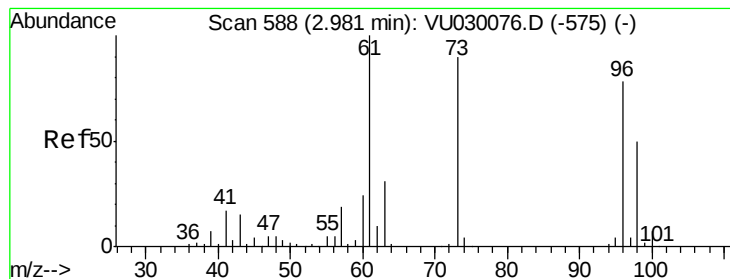
Tgt Ion: 43 Resp: 183570
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9



#16
Methylene chloride
Concen: 47.778 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

Tgt Ion: 84 Resp: 177250
Ion Ratio Lower Upper
84 100
86 65.3 45.2 84.0
49 107.4 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 48.337 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

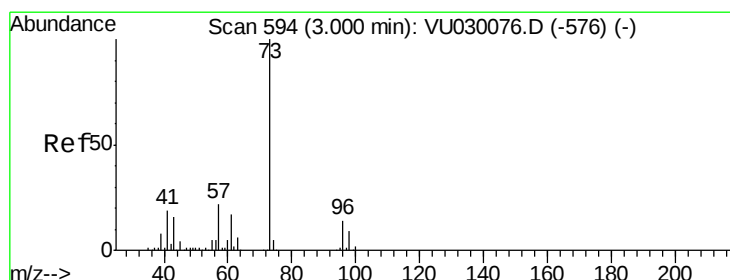
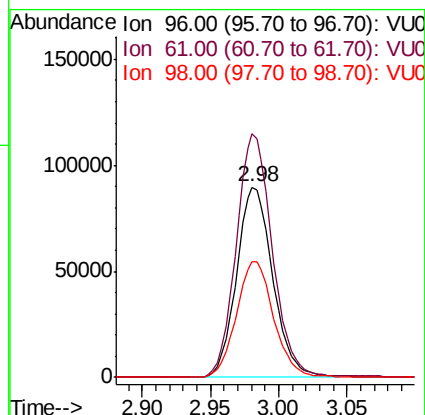
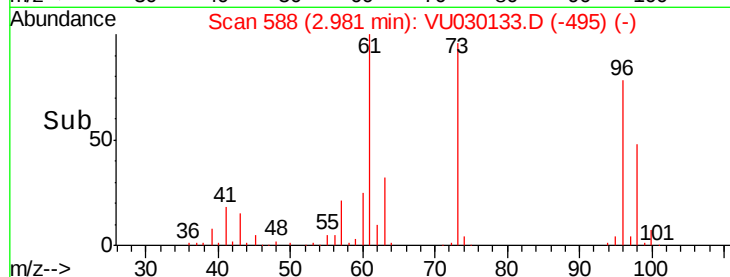
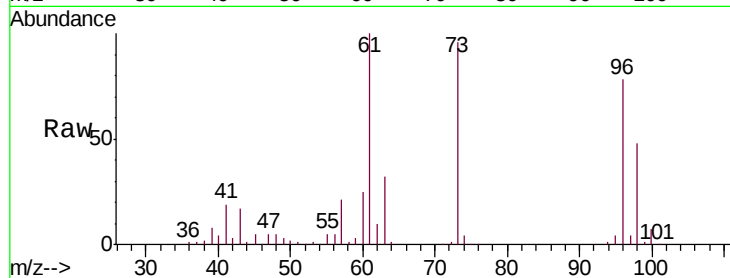
Tgt Ion: 96 Resp: 165384

Ion Ratio Lower Upper

96 100

61 128.2 89.4 166.0

98 61.0 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 48.905 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

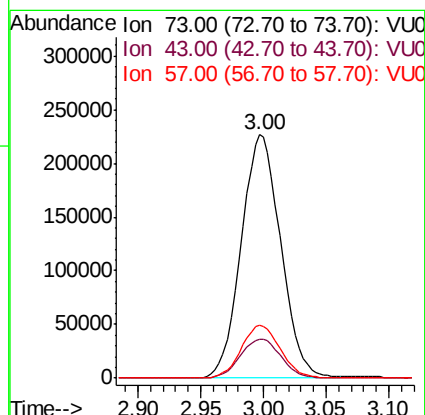
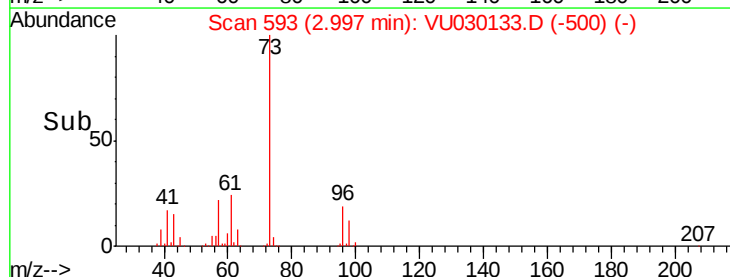
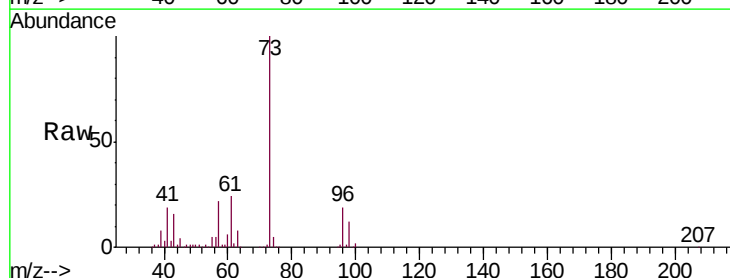
Tgt Ion: 73 Resp: 496262

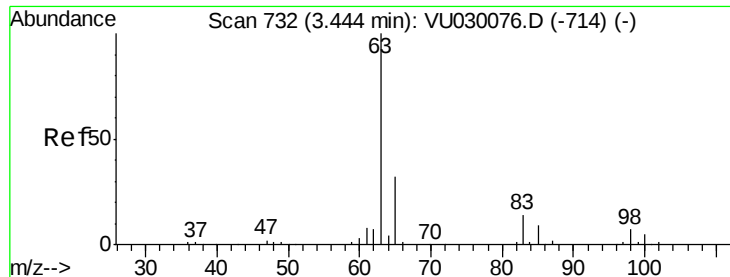
Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

57 21.6 17.1 25.7

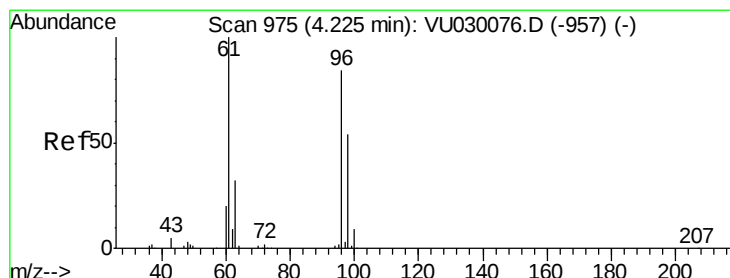
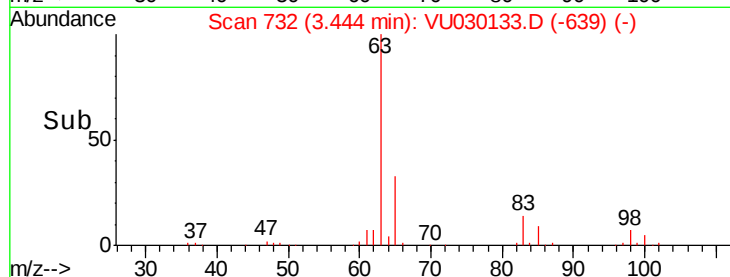
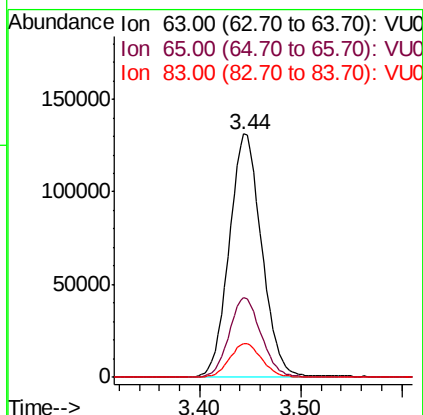
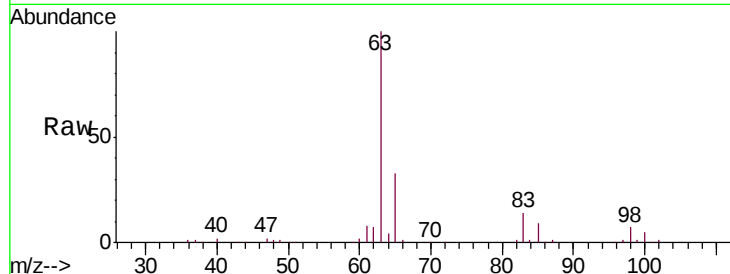




#19
 1,1-Dichloroethane
 Concen: 50.152 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

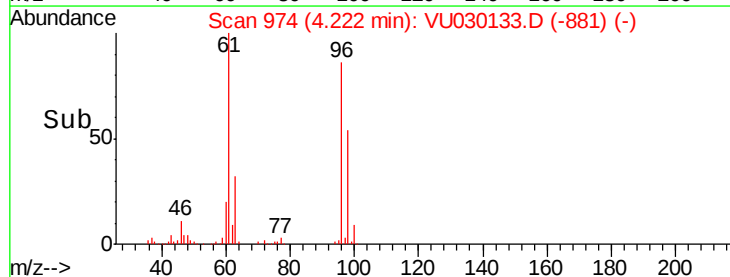
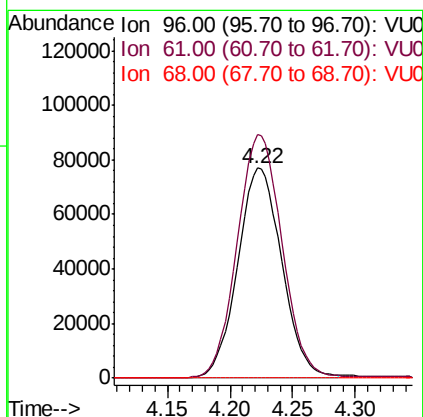
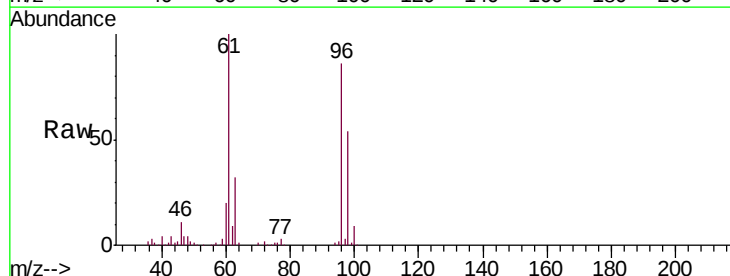
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

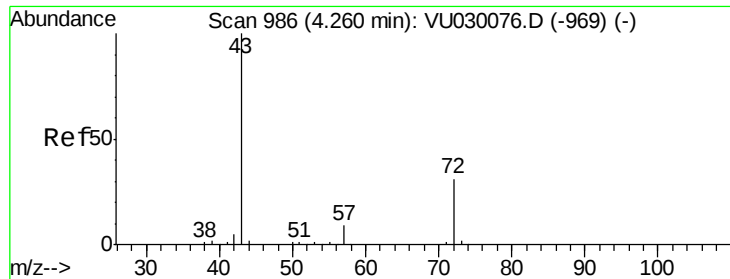
Tgt Ion: 63 Resp: 294612
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.0 41.0
 83 13.6 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 48.325 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion: 96 Resp: 188227
 Ion Ratio Lower Upper
 96 100
 61 116.0 80.8 150.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 88.536 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

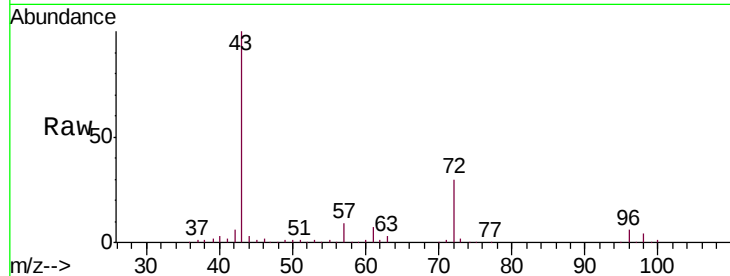
VSTD05041

Tgt Ion: 43 Resp: 292756

Ion Ratio Lower Upper

43 100

72 31.0 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU030133.D (-982) (-)

Ion 72.00 (71.70 to 72.70): VU030133.D (-982) (-)

4.26

120000

100000

80000

60000

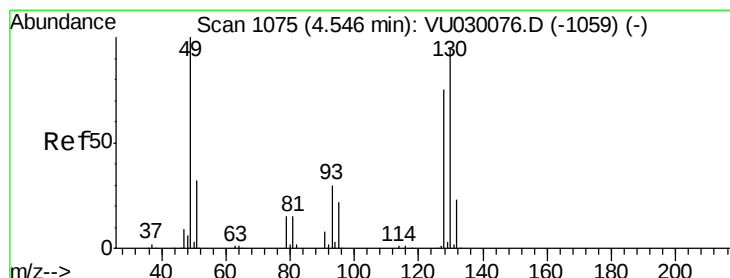
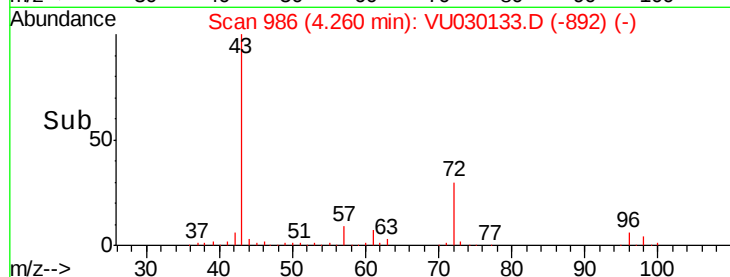
40000

20000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 48.671 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Tgt Ion: 128 Resp: 98202

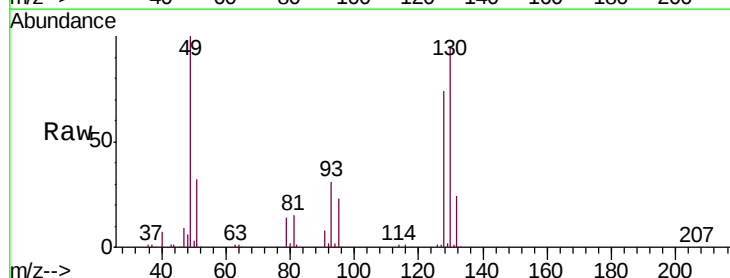
Ion Ratio Lower Upper

128 100

49 135.0 94.5 175.5

130 128.0 91.4 169.8

51 43.1 34.2 51.2



Abundance Ion 128.00 (127.70 to 128.70): VU030133.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU030133.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU030133.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU030133.D (-982) (-)

80000

60000

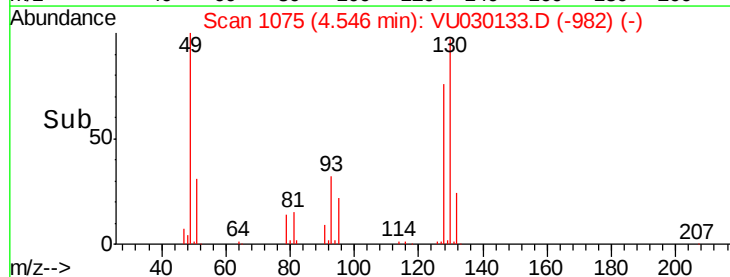
40000

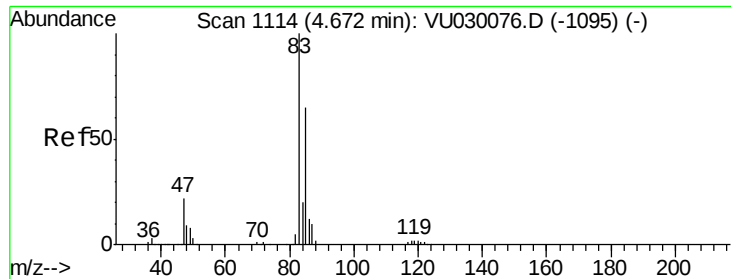
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 50.616 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampled :

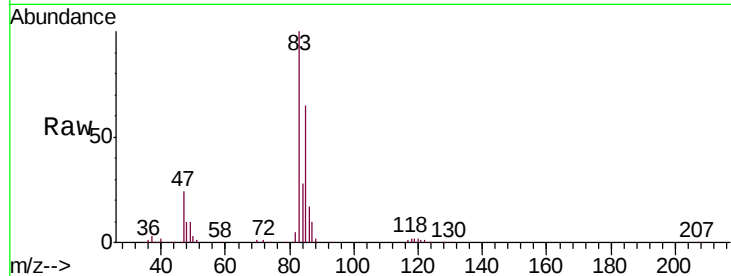
VSTD05041

Tgt Ion: 83 Resp: 312076

Ion Ratio Lower Upper

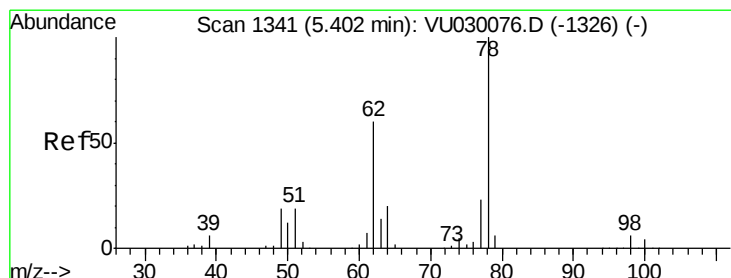
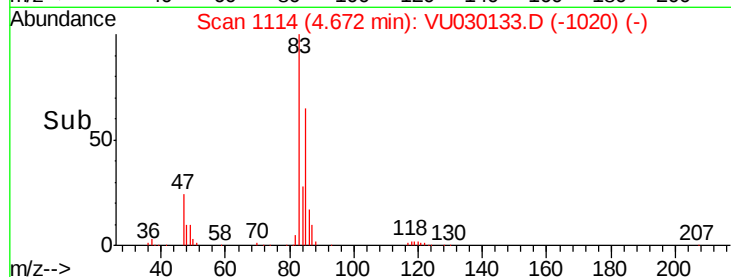
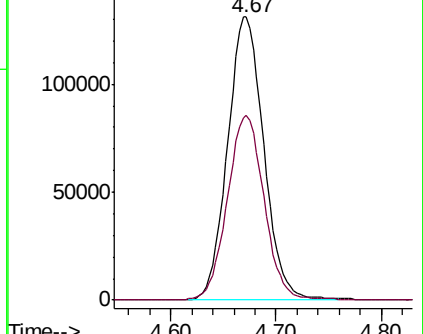
83 100

85 65.1 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VU030076.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030076.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 48.795 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030133.D

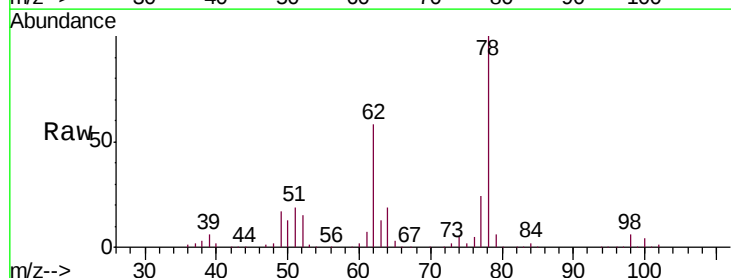
Acq: 16 Mar 2019 10:31

Tgt Ion: 62 Resp: 216297

Ion Ratio Lower Upper

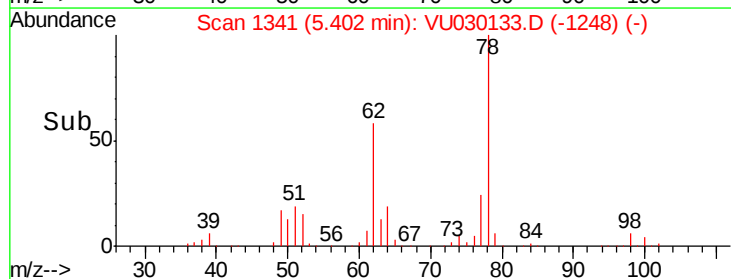
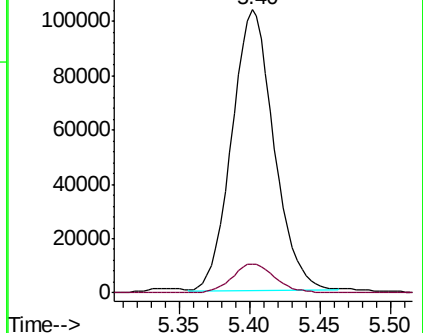
62 100

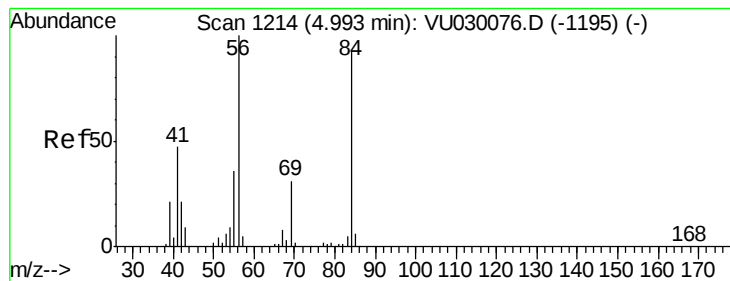
98 10.3 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VU030076.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030076.D (-1326) (-)





#29

Cyclohexane

Concen: 46.477 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

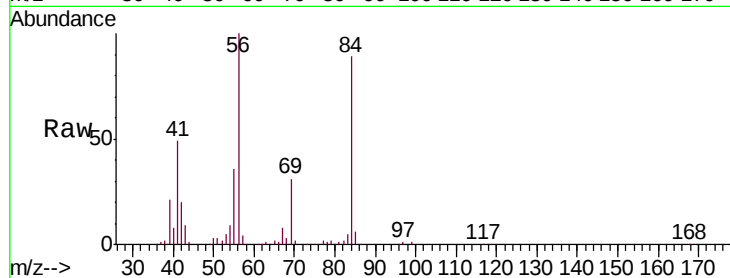
Tgt Ion: 56 Resp: 253236

Ion Ratio Lower Upper

56 100

69 31.5 25.3 37.9

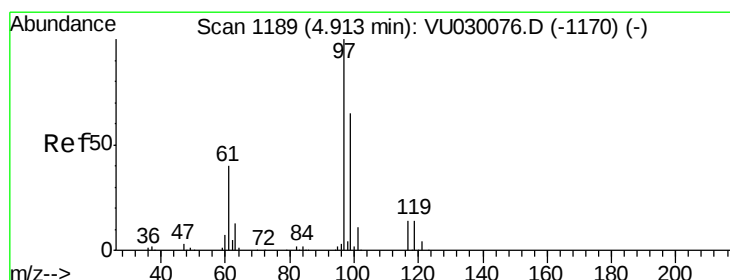
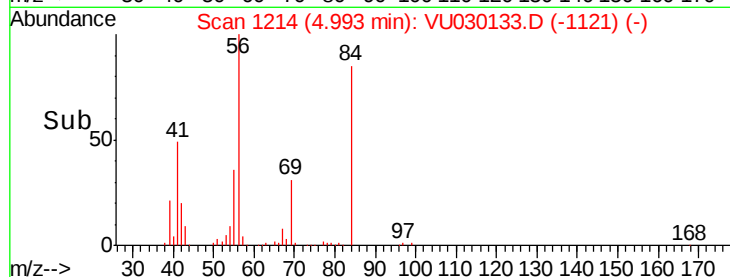
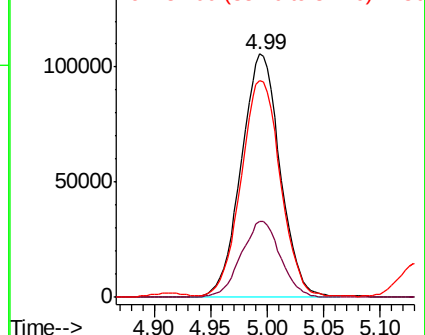
84 90.6 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VU030133.D (-1195) (-)

Ion 69.00 (68.70 to 69.70): VU030133.D (-1195) (-)

Ion 84.00 (83.70 to 84.70): VU030133.D (-1195) (-)



#30

1,1,1-Trichloroethane

Concen: 48.591 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

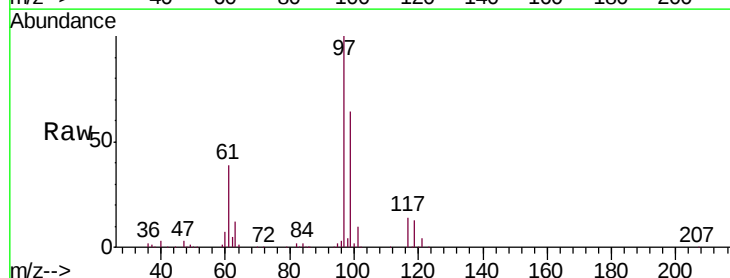
Tgt Ion: 97 Resp: 262056

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

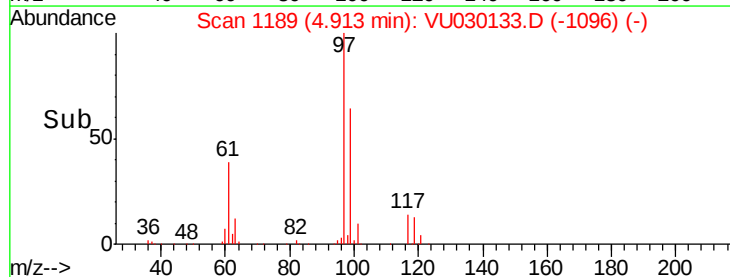
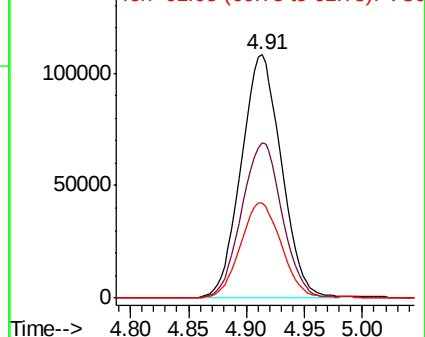
61 39.9 32.2 48.4

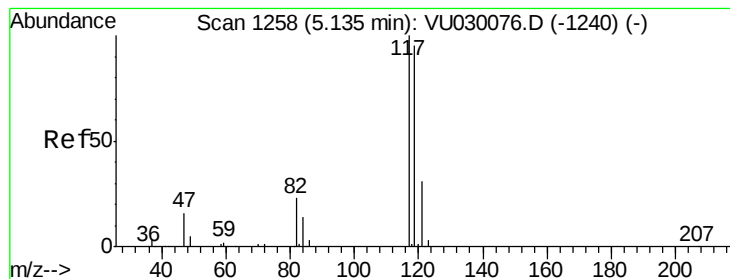


Abundance Ion 97.00 (96.70 to 97.70): VU030133.D (-1170) (-)

Ion 99.00 (98.70 to 99.70): VU030133.D (-1170) (-)

Ion 61.05 (60.75 to 61.75): VU030133.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 47.588 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

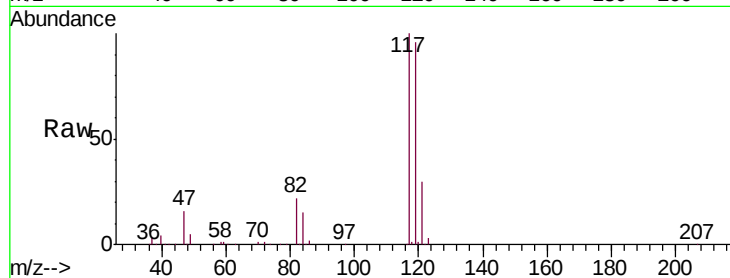
VSTD05041

Tgt Ion:117 Resp: 226628

Ion Ratio Lower Upper

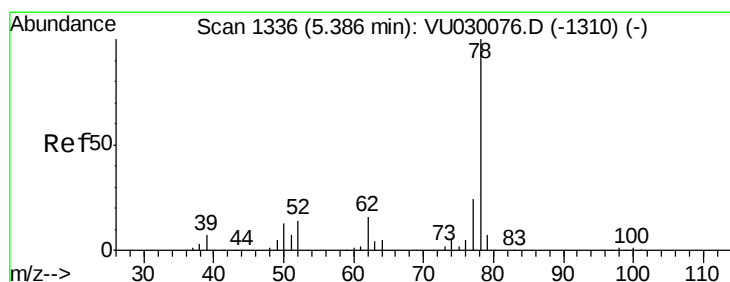
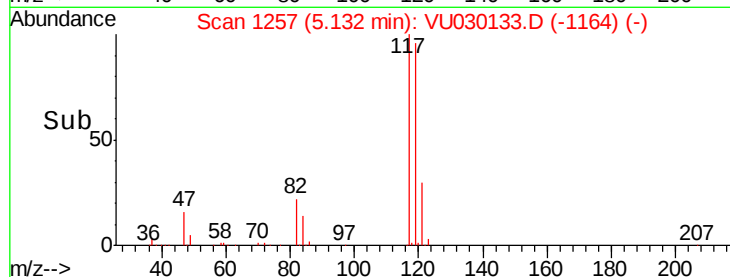
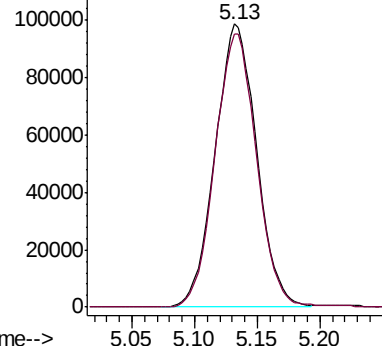
117 100

119 96.8 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.354 ug/L

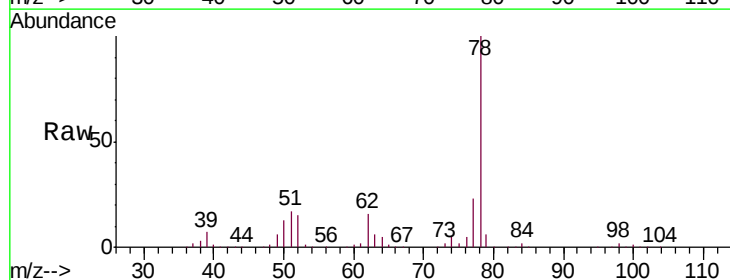
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

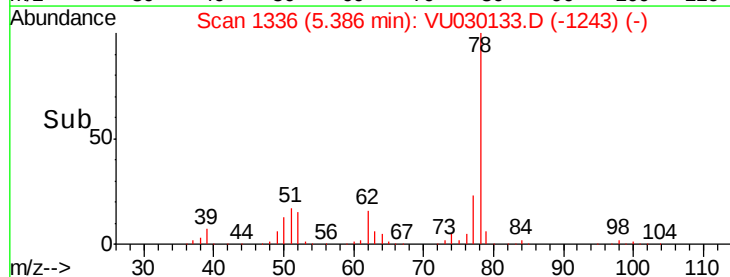
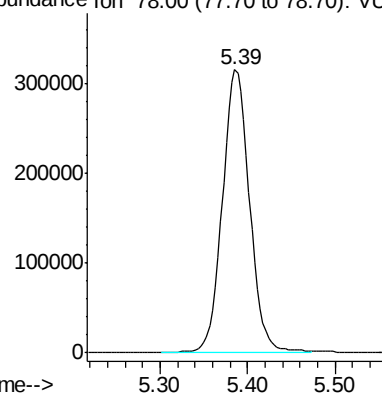
Lab File: VU030133.D

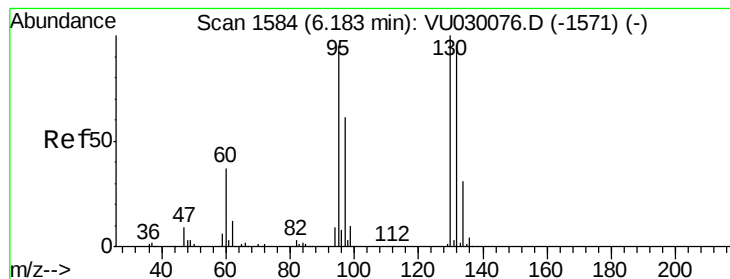
Acq: 16 Mar 2019 10:31

Tgt Ion: 78 Resp: 683550



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.410 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 95 Resp: 179359

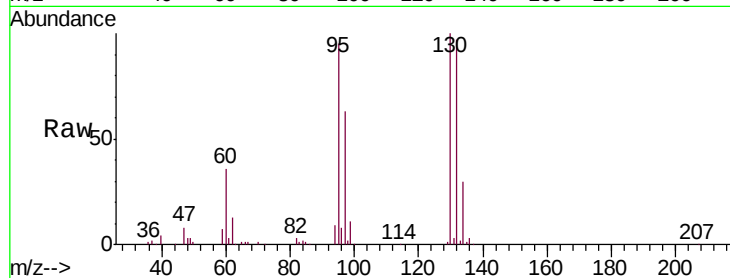
Ion Ratio Lower Upper

95 100

97 66.2 45.5 84.5

132 102.6 71.5 132.7

130 105.7 73.5 136.5

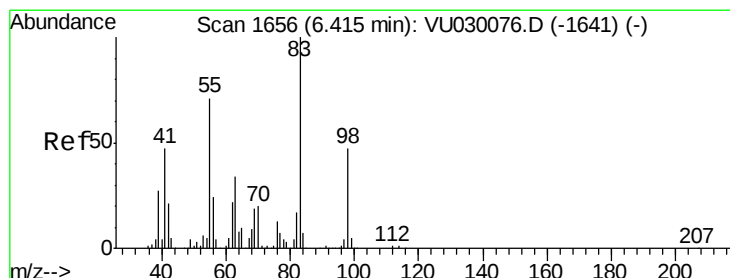
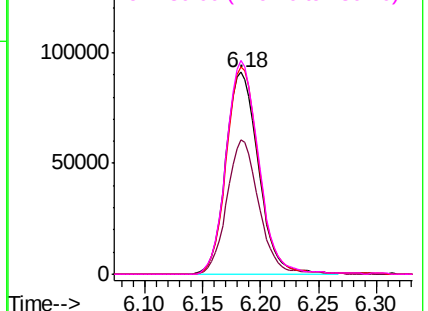
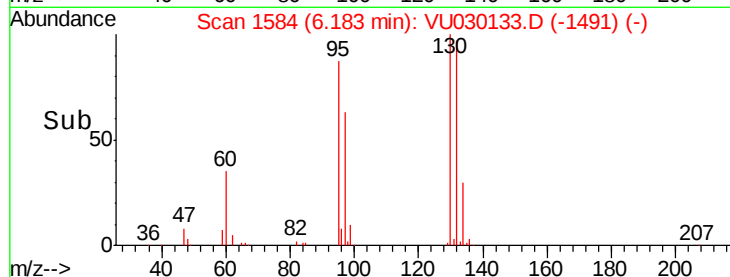


Abundance Ion 95.00 (94.70 to 95.70): VU030133.D (-1571) (-)

Ion 97.00 (96.70 to 97.70): VU030133.D (-1571) (-)

Ion 132.00 (131.70 to 132.70): VU030133.D (-1571) (-)

Ion 130.00 (129.70 to 130.70): VU030133.D (-1571) (-)



#35

Methylcyclohexane

Concen: 48.078 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

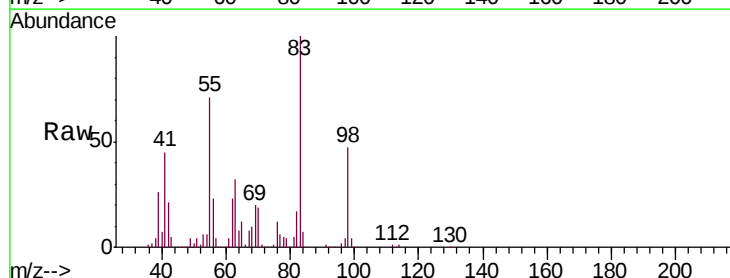
Tgt Ion: 83 Resp: 288848

Ion Ratio Lower Upper

83 100

55 71.2 56.6 84.8

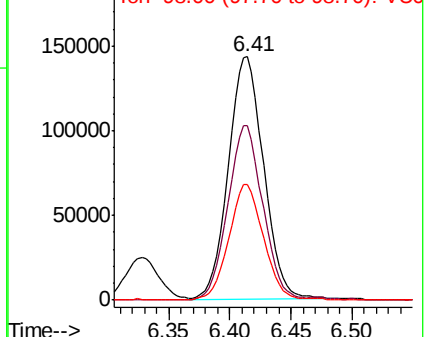
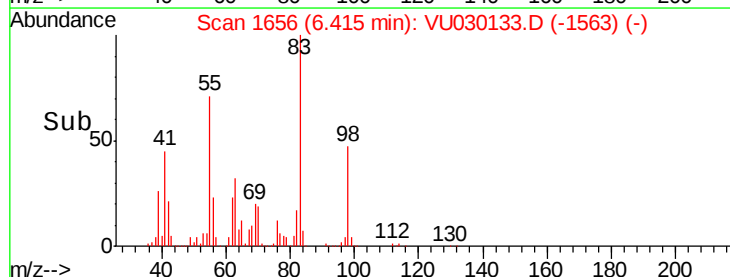
98 46.9 37.8 56.6

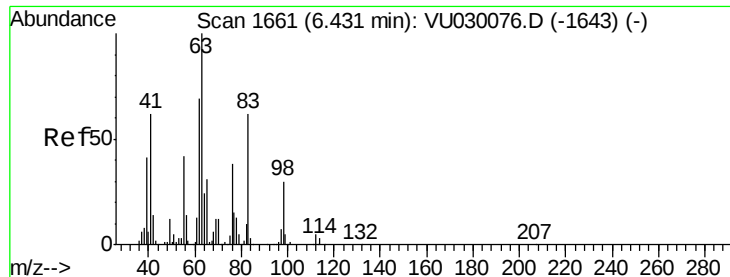


Abundance Ion 83.00 (82.70 to 83.70): VU030133.D (-1641) (-)

Ion 55.00 (54.70 to 55.70): VU030133.D (-1641) (-)

Ion 98.00 (97.70 to 98.70): VU030133.D (-1641) (-)

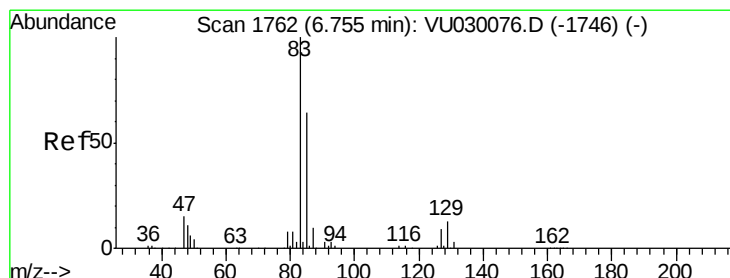
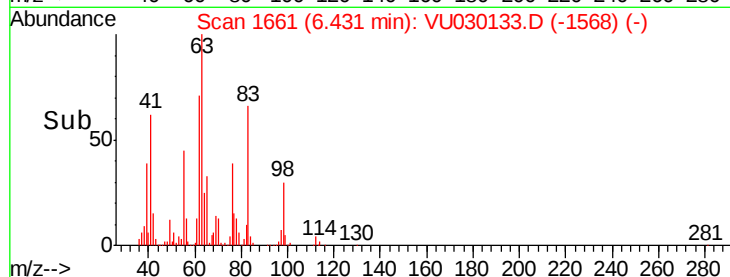
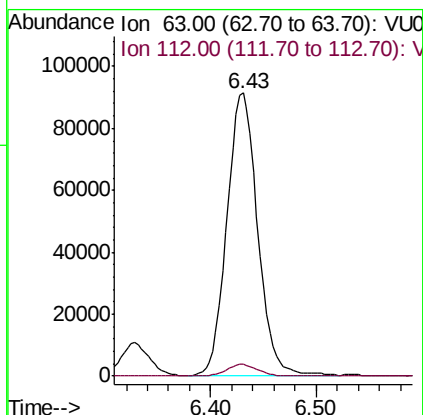
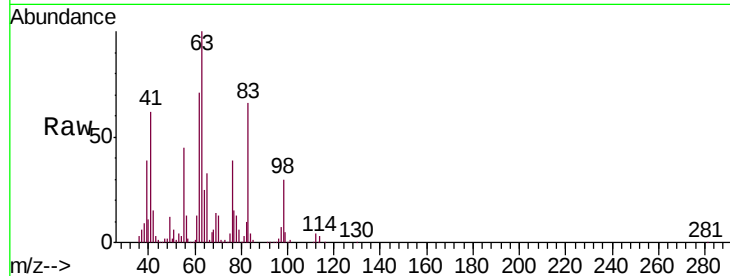




#37
 1,2-Dichloropropane
 Concen: 49.767 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

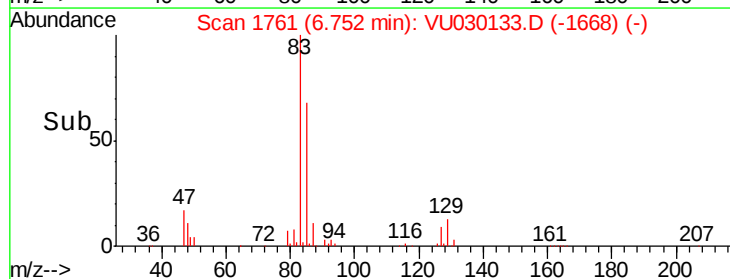
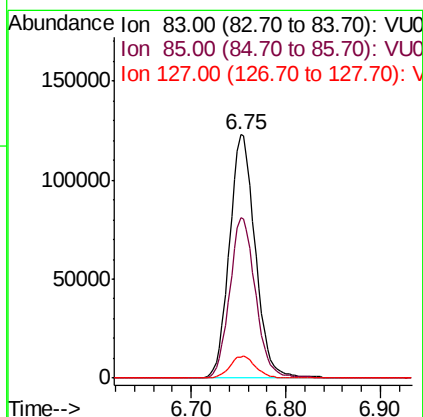
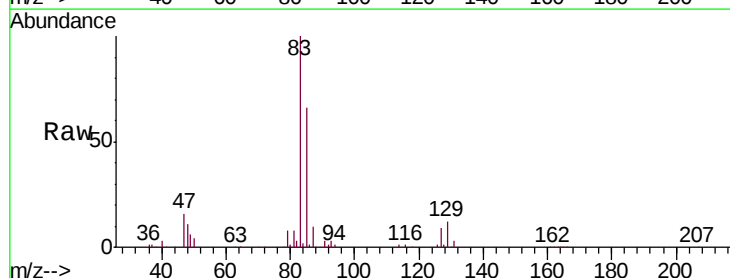
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

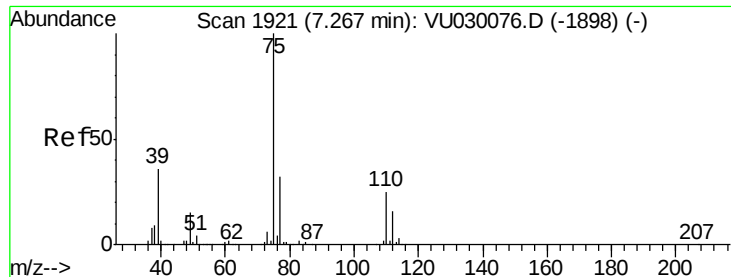
Tgt Ion: 63 Resp: 185053
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.379 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion: 83 Resp: 232947
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.7 84.9
 127 8.8 7.7 11.5

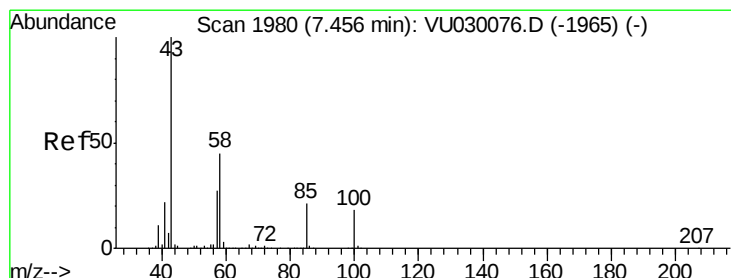
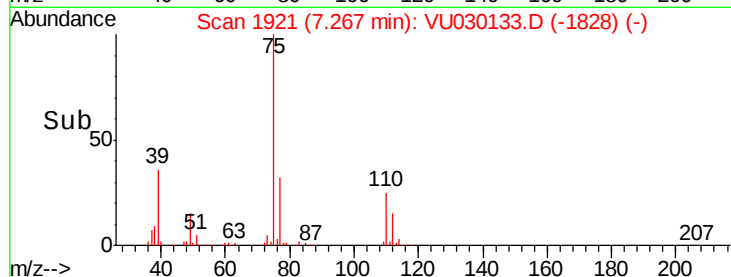
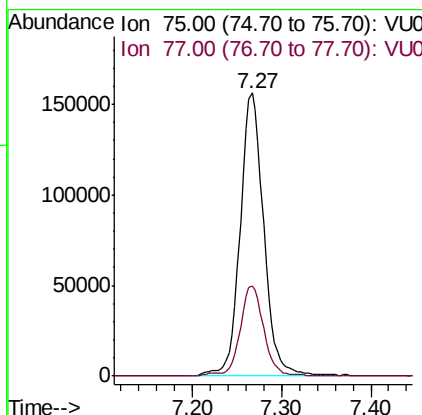
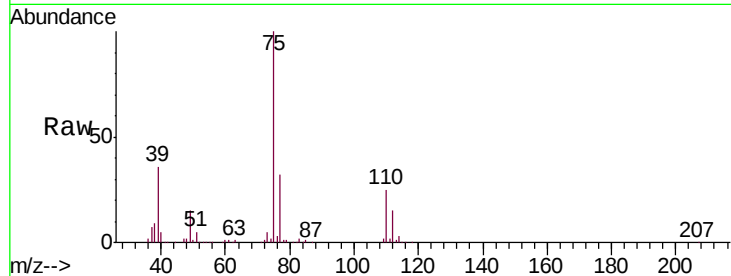




#39
 cis-1,3-Dichloropropene
 Concen: 49.831 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

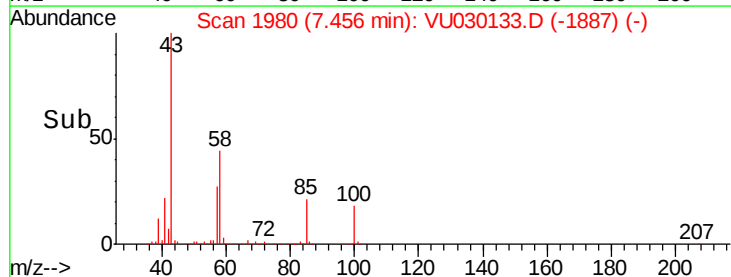
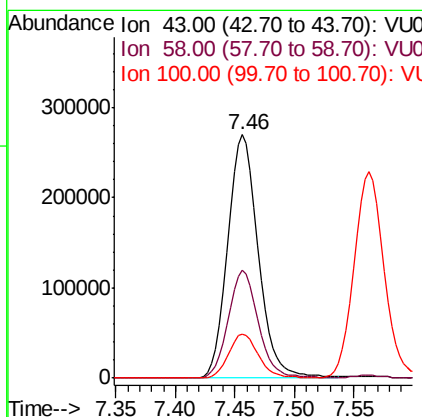
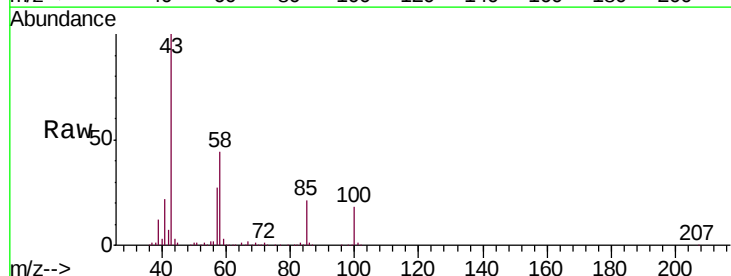
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

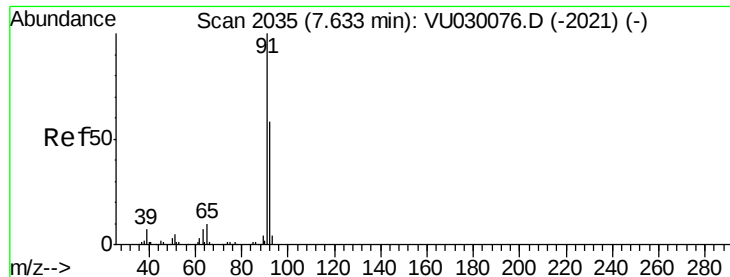
Tgt Ion: 75 Resp: 288347
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 95.857 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion: 43 Resp: 481272
 Ion Ratio Lower Upper
 43 100
 58 43.5 35.1 52.7
 100 17.8 14.4 21.6





#42

Toluene

Concen: 48.832 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

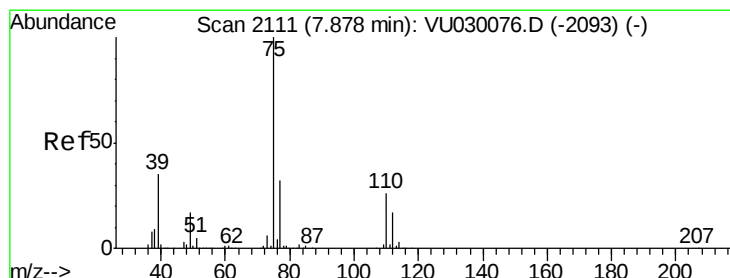
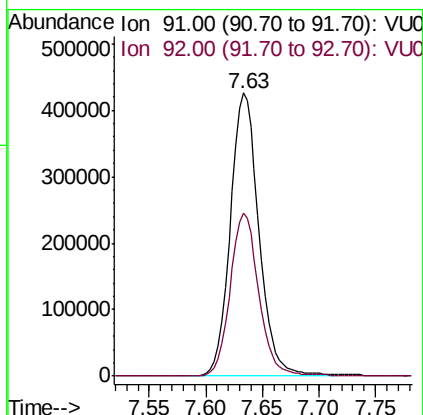
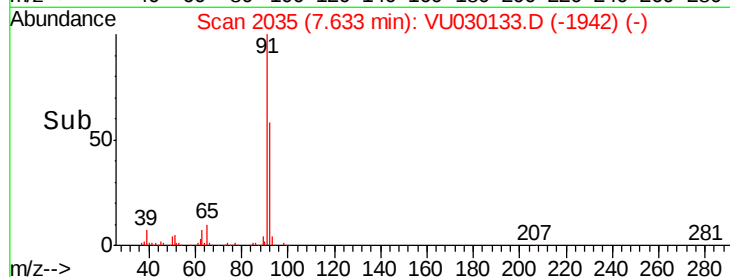
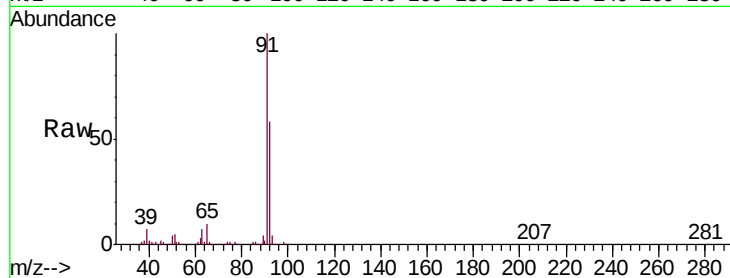
VSTD05041

Tgt Ion: 91 Resp: 750537

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 50.607 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030133.D

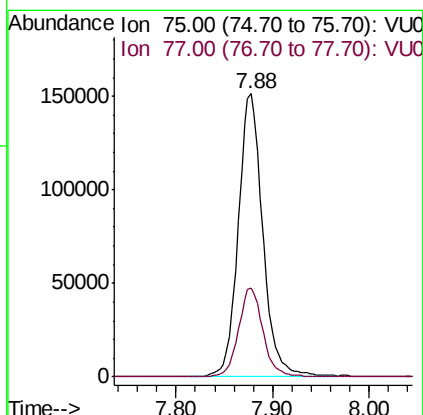
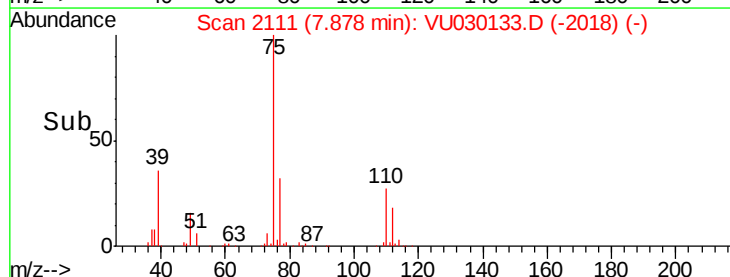
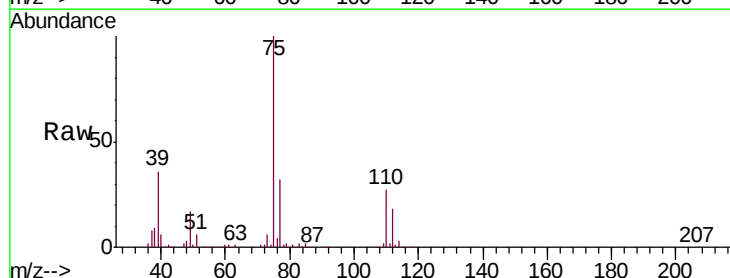
Acq: 16 Mar 2019 10:31

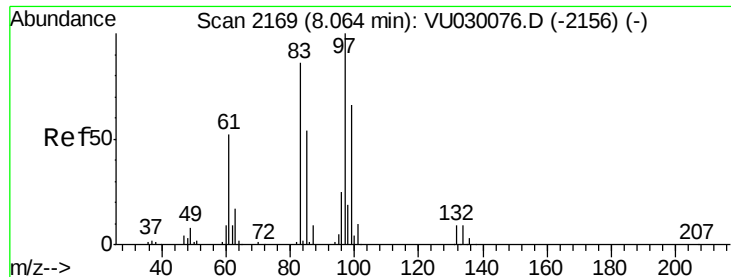
Tgt Ion: 75 Resp: 267376

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7

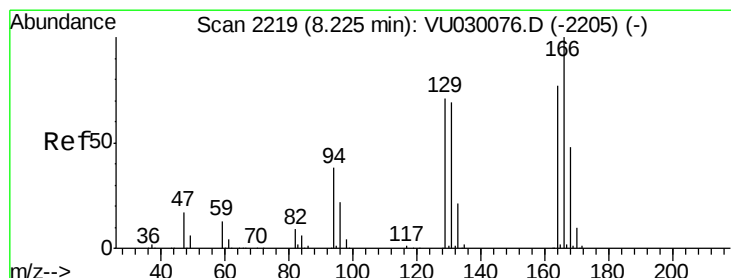
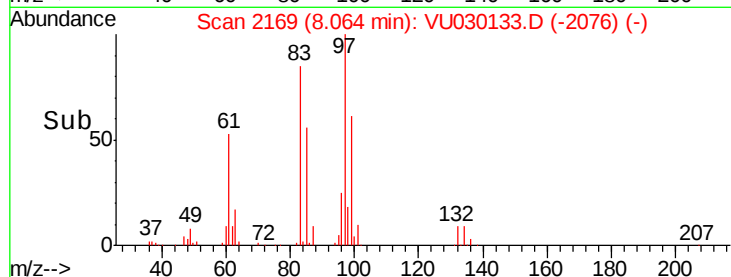
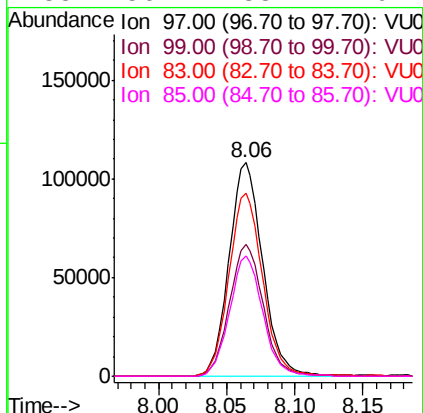
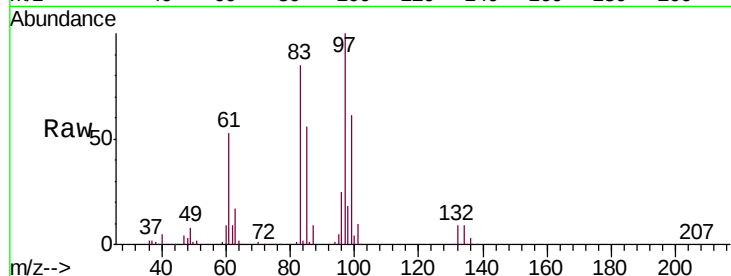




#45
 1,1,2-Trichloroethane
 Concen: 49.775 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

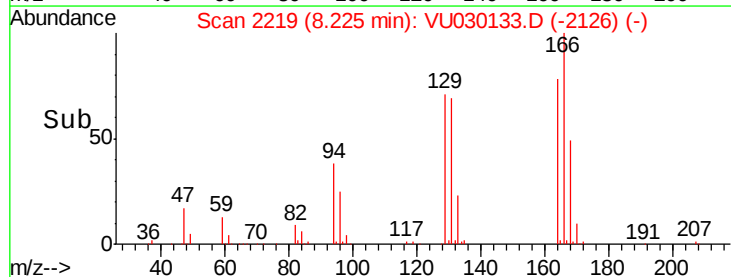
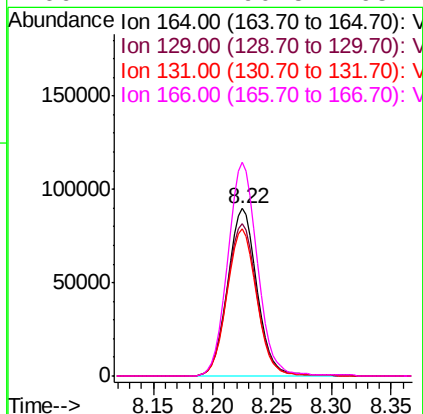
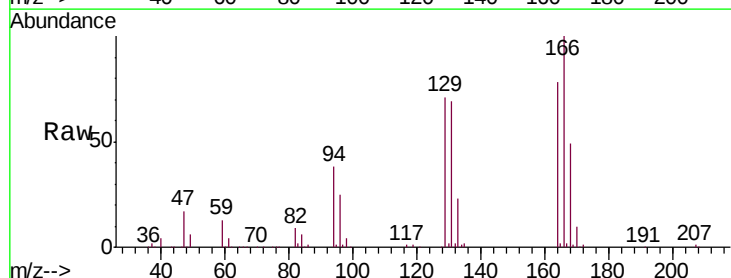
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

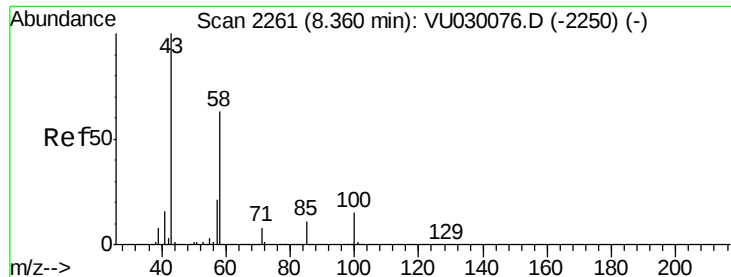
Tgt Ion:	97	Resp:	185098
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	82.9
83	85.5	58.6	108.8
85	56.1	38.1	70.7



#46
 Tetrachloroethene
 Concen: 47.522 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion:	164	Resp:	154082
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.3	117.7
131	87.8	62.0	115.2
166	127.4	90.5	168.1

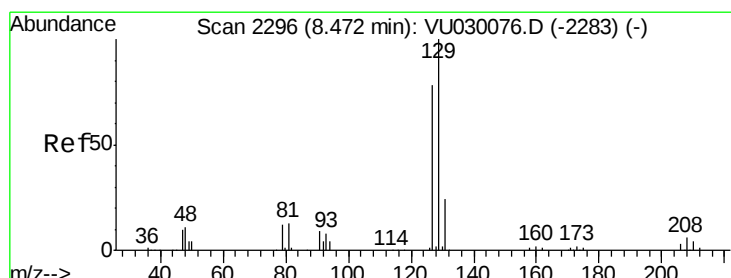
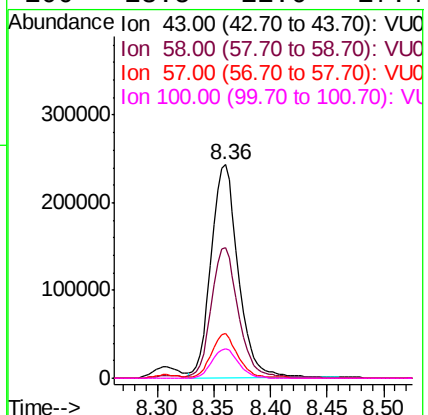
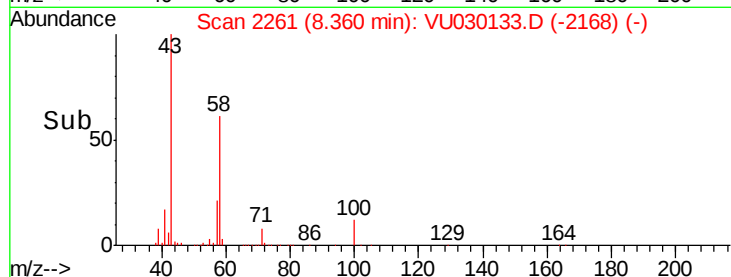
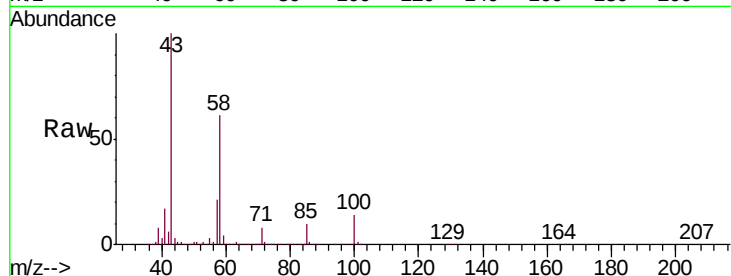




#48
2-Hexanone
Concen: 94.368 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

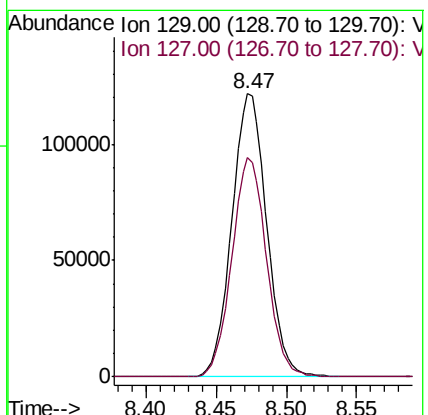
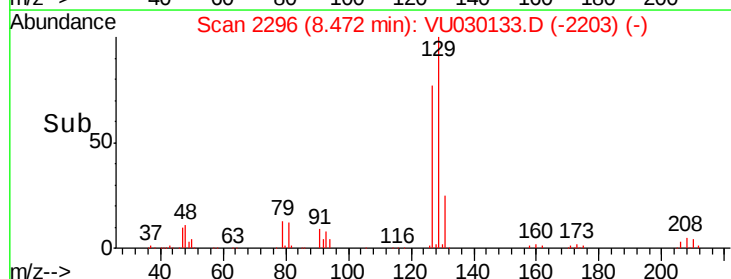
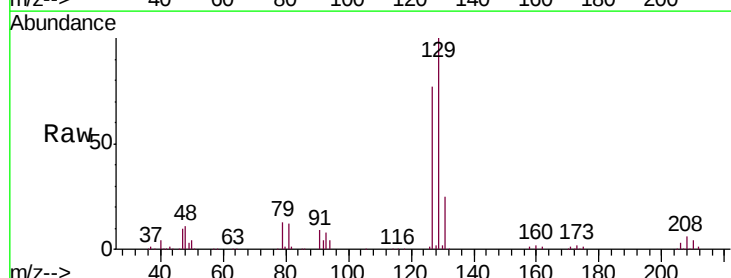
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

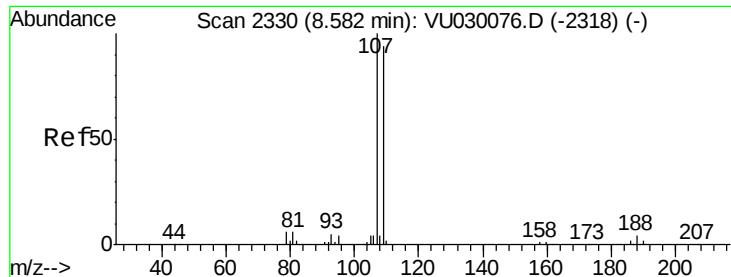
Tgt Ion: 43 Resp: 404199
Ion Ratio Lower Upper
43 100
58 61.5 48.6 72.8
57 20.3 16.1 24.1
100 13.5 11.6 17.4



#49
Dibromochloromethane
Concen: 50.762 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

Tgt Ion: 129 Resp: 210904
Ion Ratio Lower Upper
129 100
127 77.4 55.2 102.4

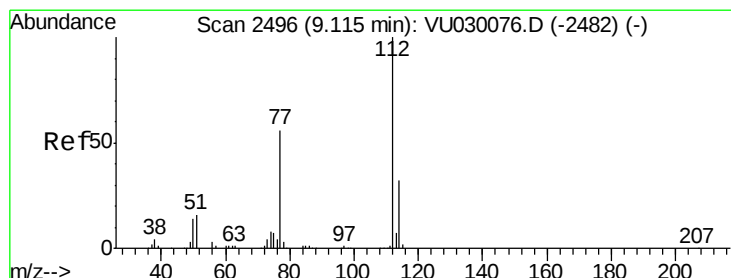
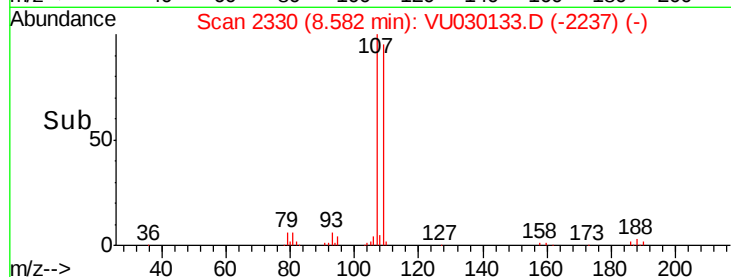
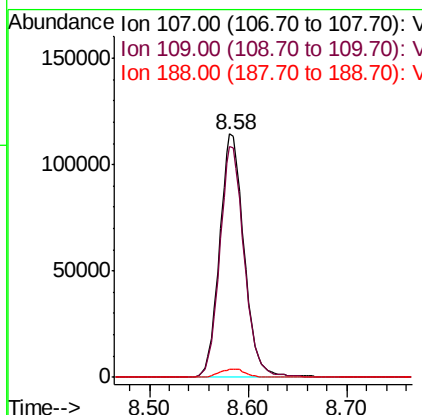
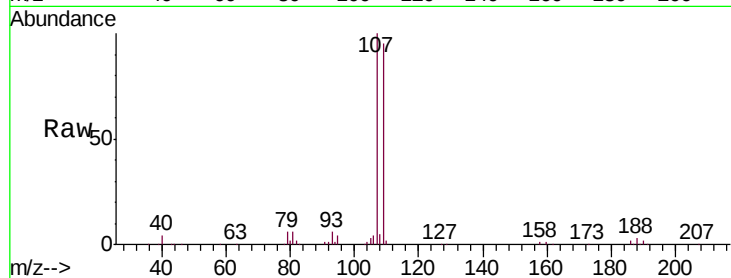




#50
1,2-Dibromoethane
Concen: 48.668 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

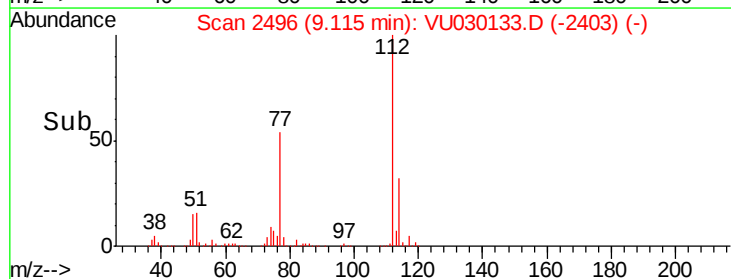
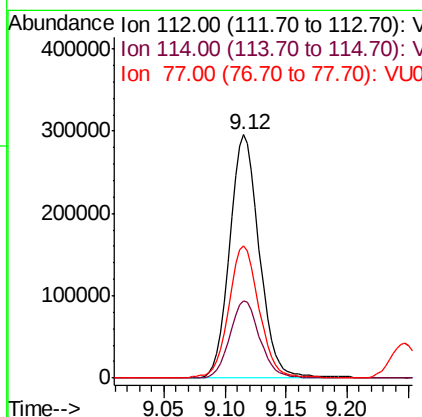
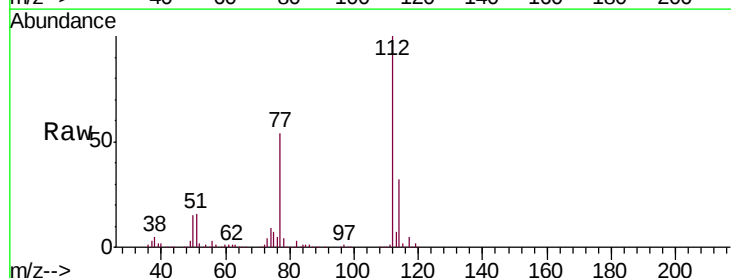
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

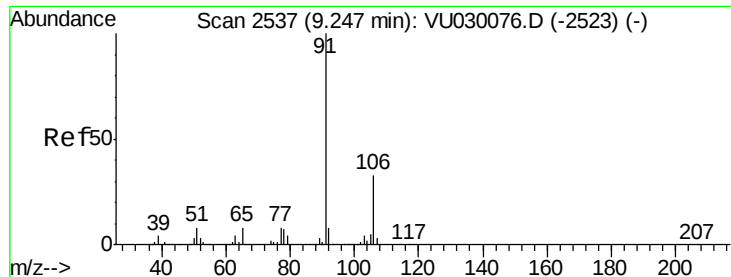
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	67.8	126.0
188	3.3	3.2	4.8



#51
Chlorobenzene
Concen: 48.382 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.9
77	54.4	44.6	66.8

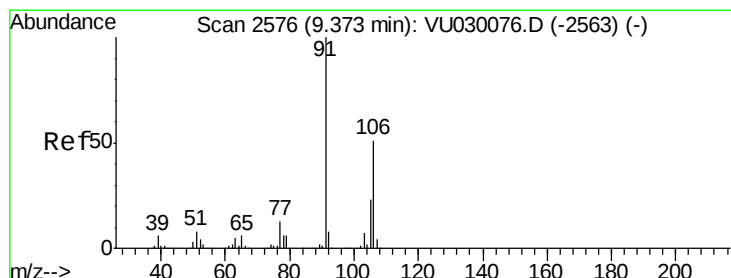
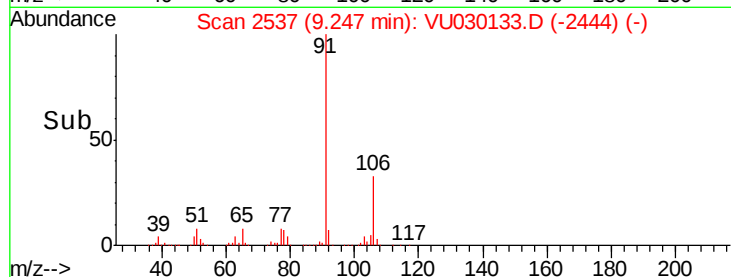
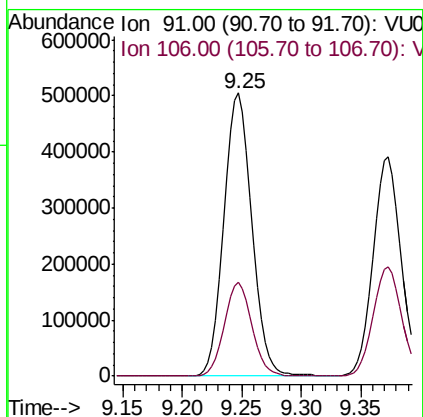
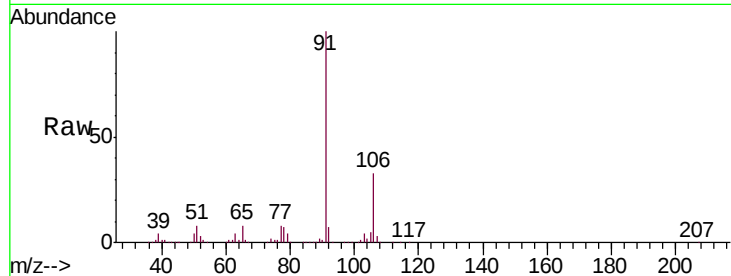




#52
Ethylbenzene
Concen: 48.835 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

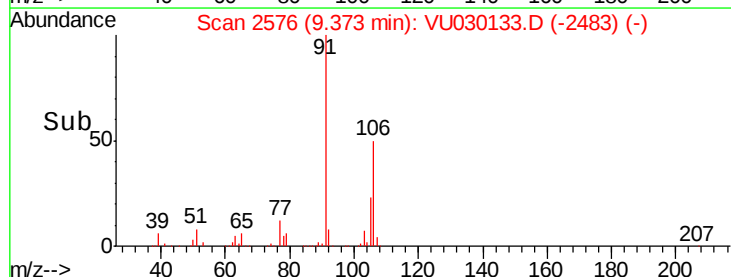
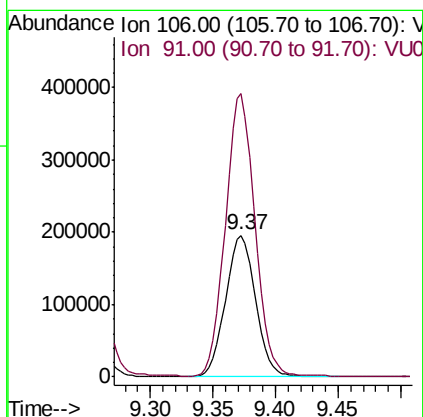
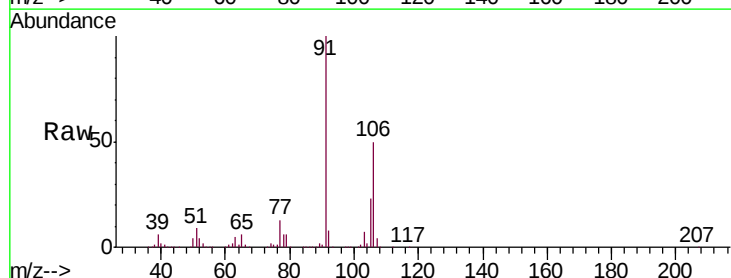
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

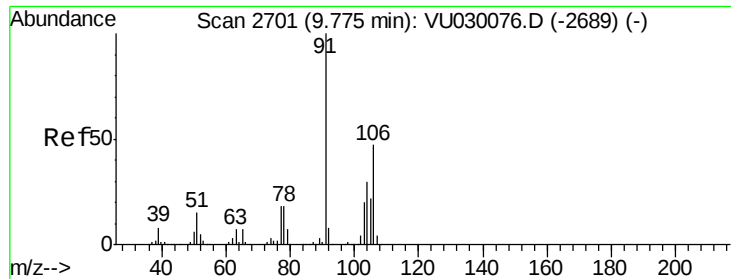
Tgt Ion: 91 Resp: 826286
Ion Ratio Lower Upper
91 100
106 33.1 22.5 41.9



#53
m,p-Xylene
Concen: 49.406 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

Tgt Ion: 106 Resp: 323428
Ion Ratio Lower Upper
106 100
91 199.6 135.1 250.9





#54

o-xylene

Concen: 49.362 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

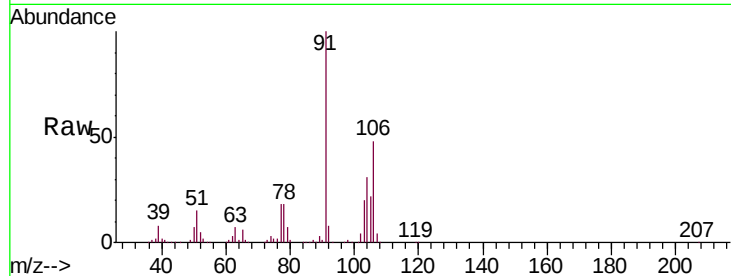
VSTD05041

Tgt Ion:106 Resp: 317393

Ion Ratio Lower Upper

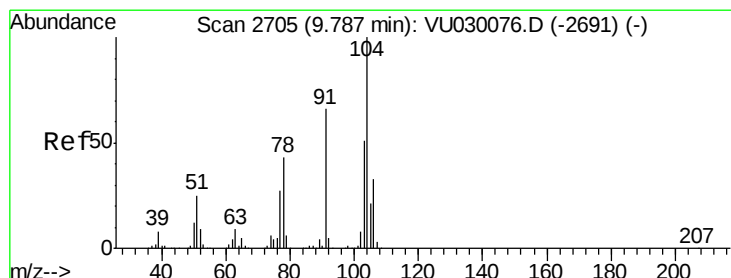
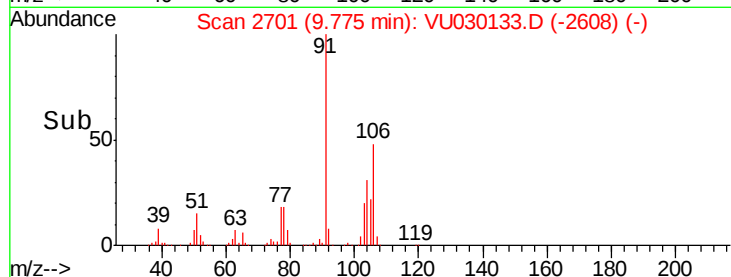
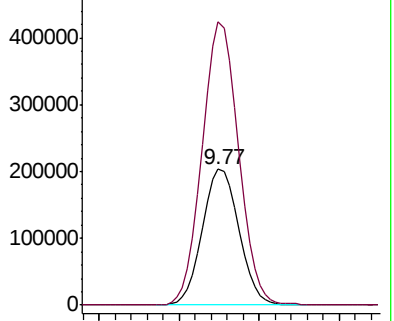
106 100

91 208.6 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.796 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030133.D

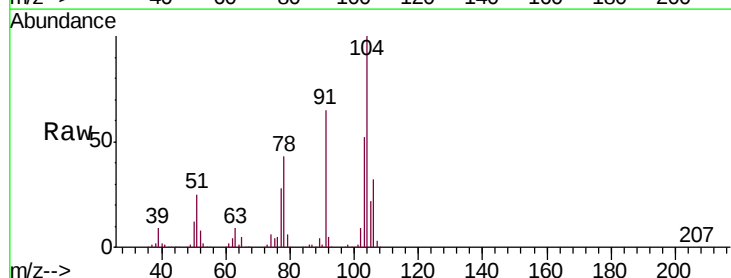
Acq: 16 Mar 2019 10:31

Tgt Ion:104 Resp: 545193

Ion Ratio Lower Upper

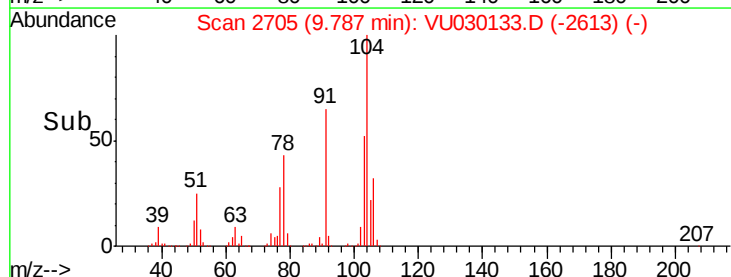
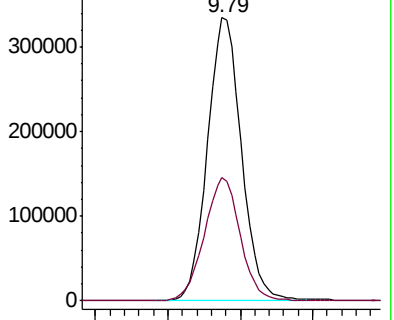
104 100

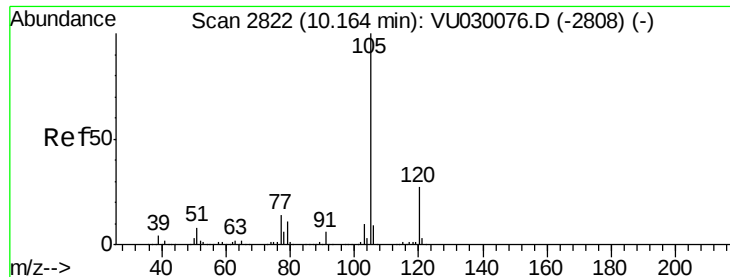
78 43.5 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.595 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

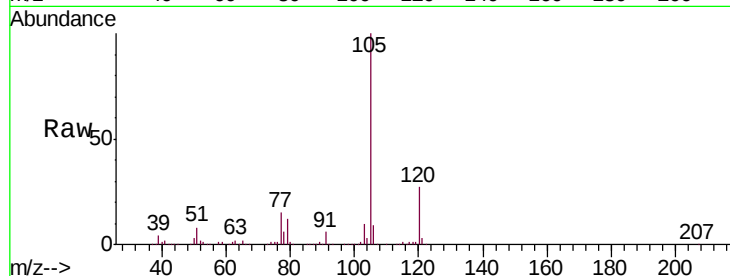
Tgt Ion: 105 Resp: 834855

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

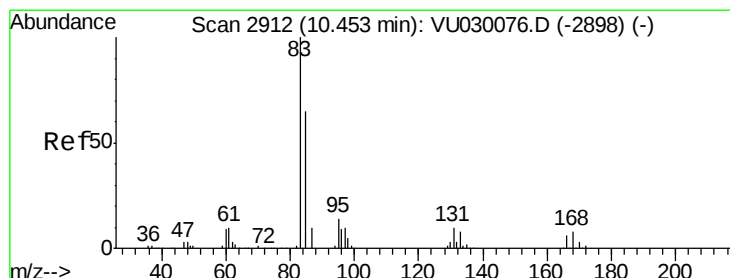
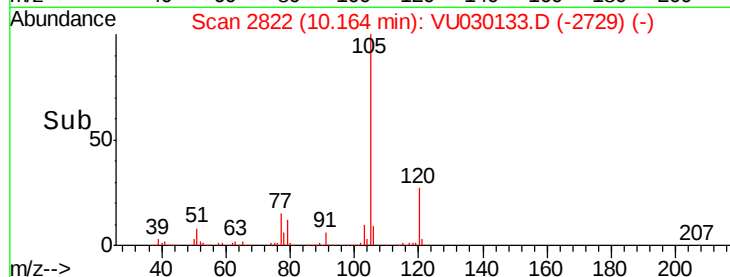
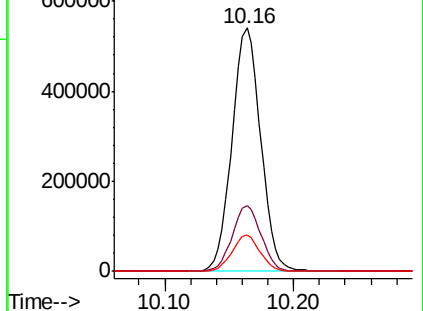
77 14.5 11.1 16.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.549 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

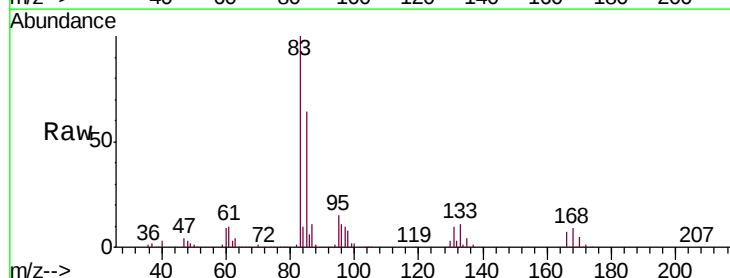
Tgt Ion: 83 Resp: 316246

Ion Ratio Lower Upper

83 100

85 64.4 45.9 85.3

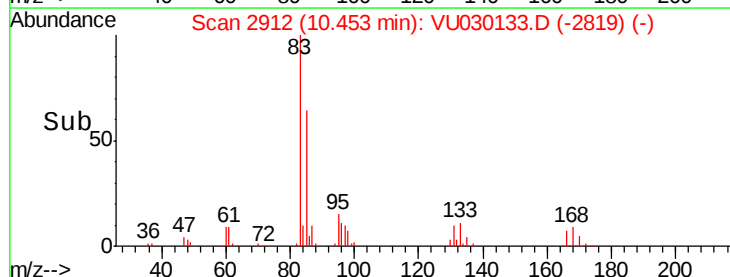
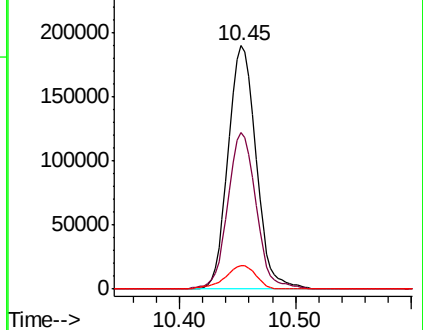
131 9.8 8.5 12.7

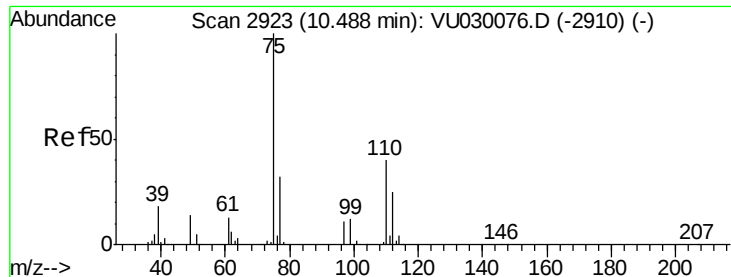


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

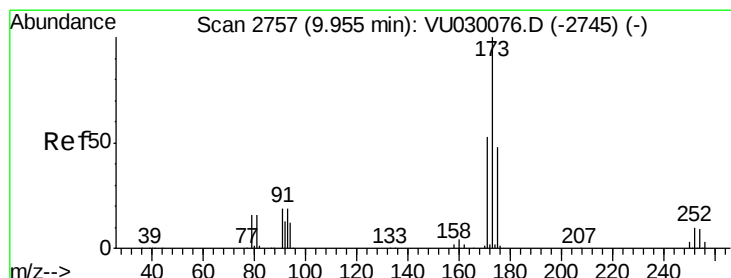
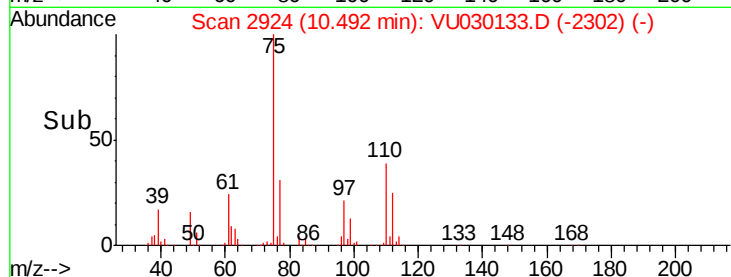
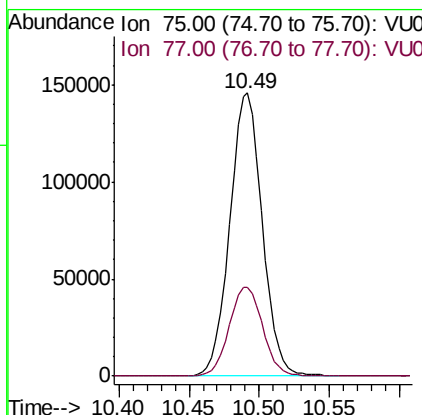
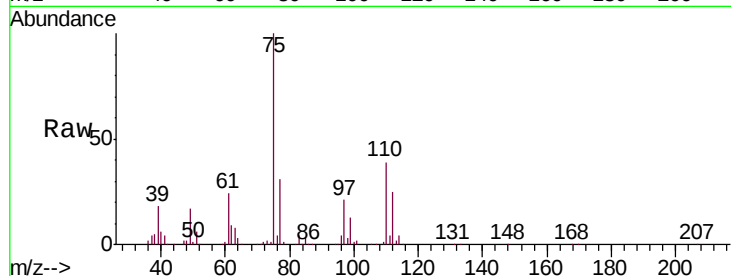




#59
1,2,3-Trichloropropane
Concen: 48.505 ug/L
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

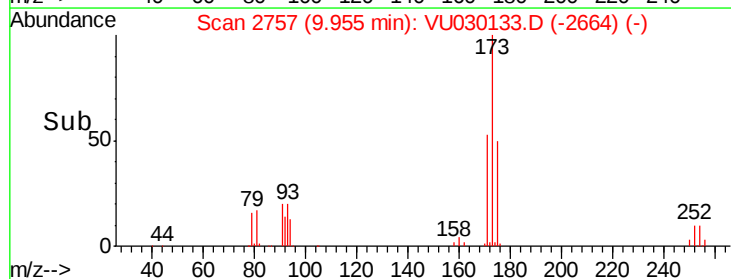
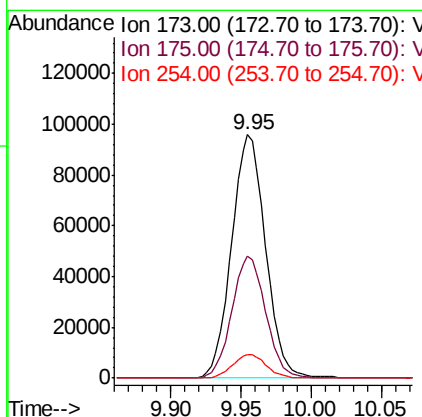
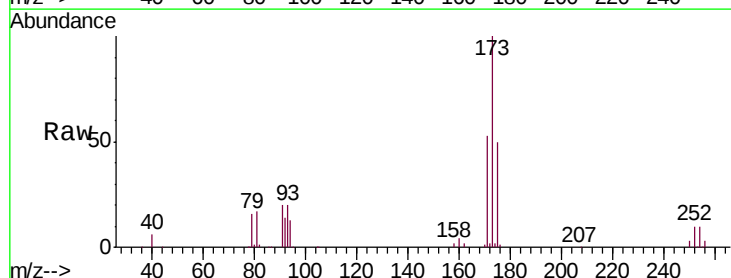
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

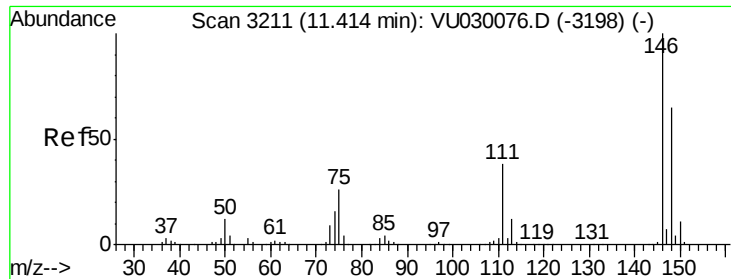
Tgt Ion: 75 Resp: 234890
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8



#61
Bromoform
Concen: 49.742 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030133.D
Acq: 16 Mar 2019 10:31

Tgt Ion: 173 Resp: 161740
Ion Ratio Lower Upper
173 100
175 49.8 39.0 58.6
254 9.6 7.4 11.0

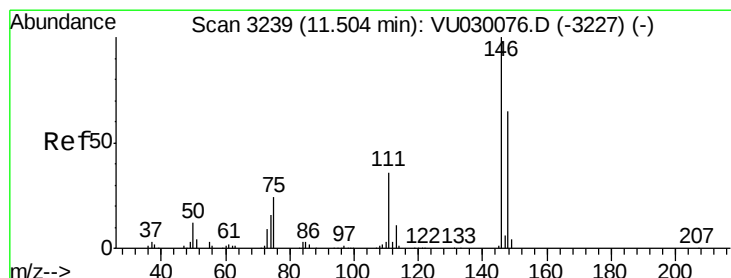
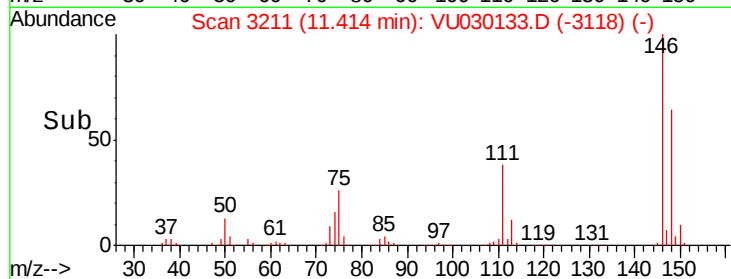
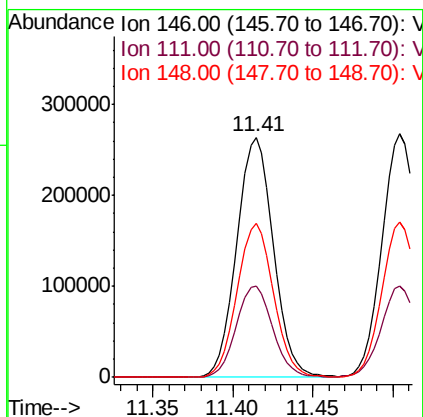
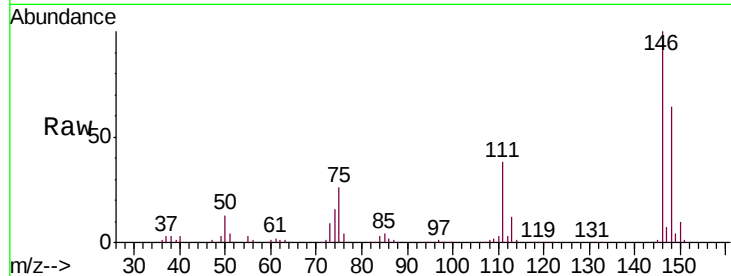




#62
 1,3-Dichlorobenzene
 Concen: 48.786 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

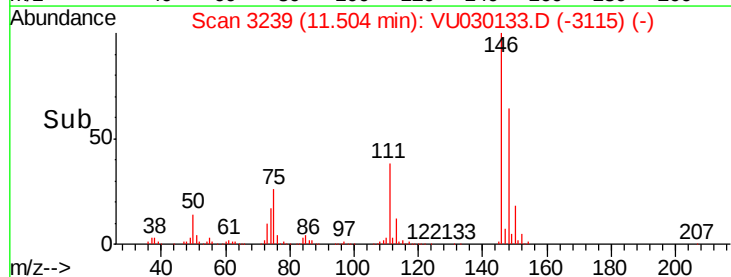
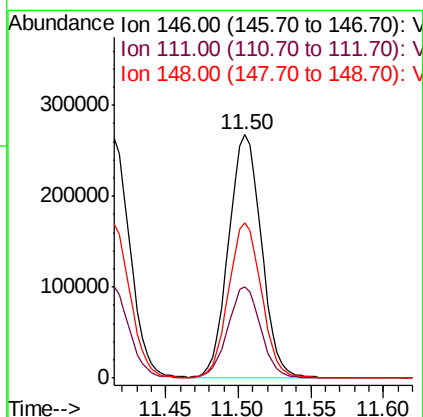
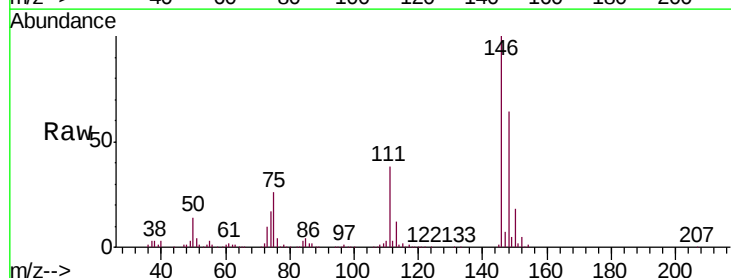
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

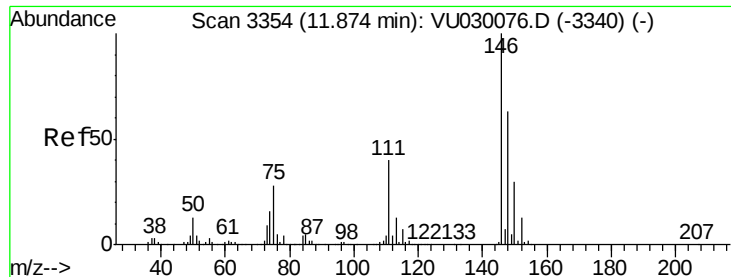
Tgt Ion:146 Resp: 411565
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.5
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 48.921 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion:146 Resp: 419655
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.5 47.3
 148 63.9 45.0 83.6

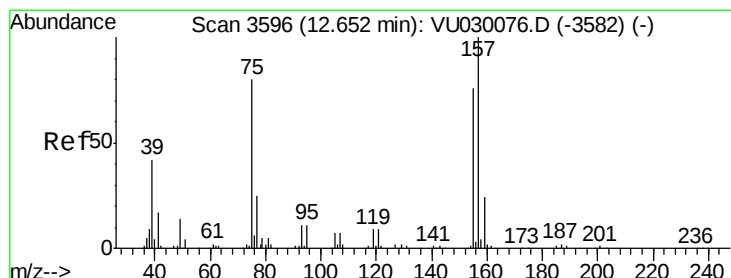
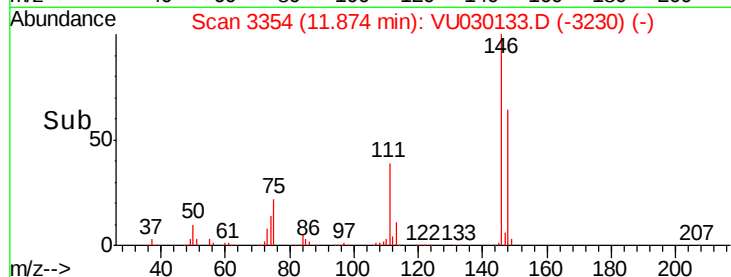
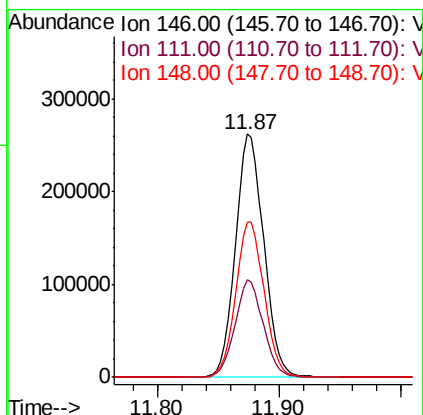
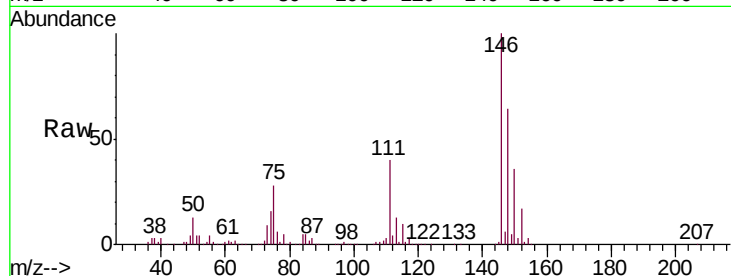




#65
 1,2-Dichlorobenzene
 Concen: 49.680 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

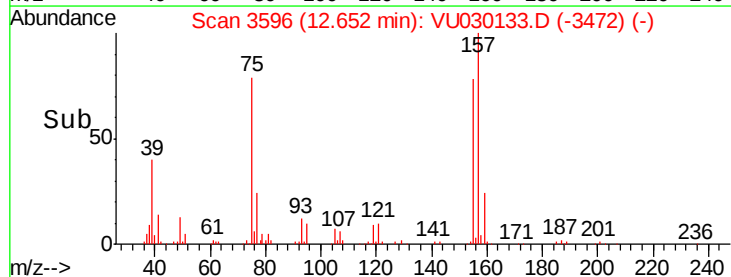
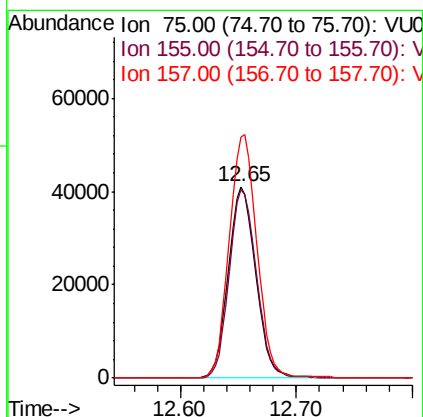
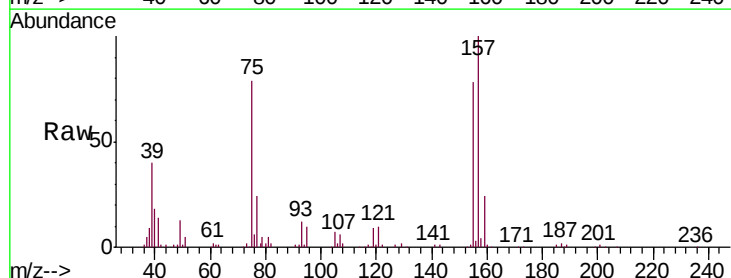
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

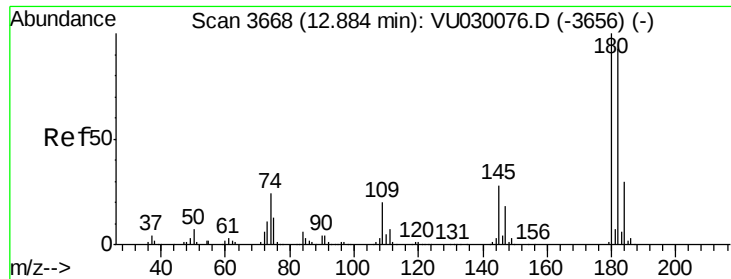
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	30.9	46.3
148	63.7	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.661 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	80.9	121.3
157	126.1	104.6	156.8

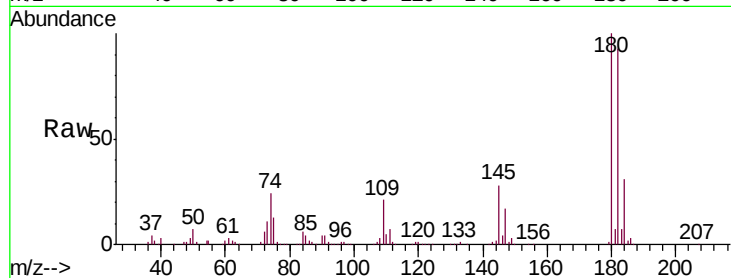




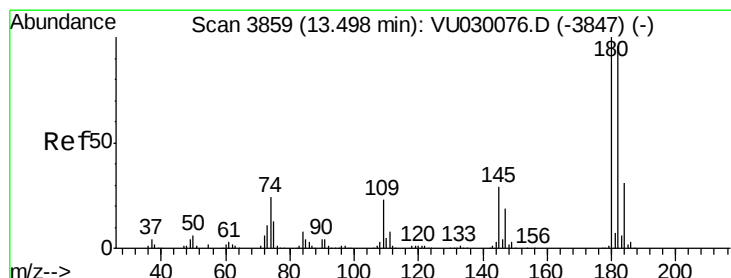
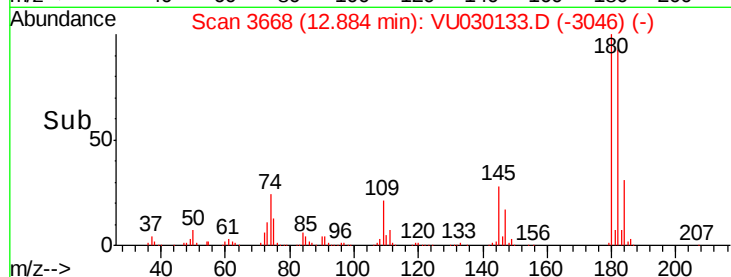
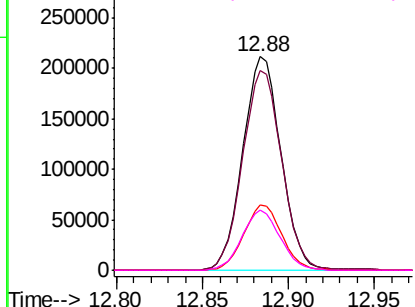
#67
 1,3,5-Trichlorobenzene
 Concen: 49.895 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:180 Resp: 326706
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 184 30.8 24.7 37.1
 145 28.3 22.3 33.5

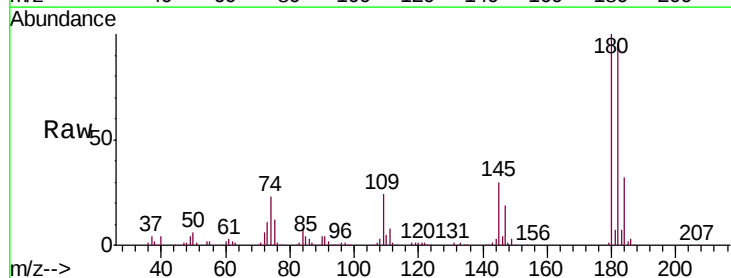


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

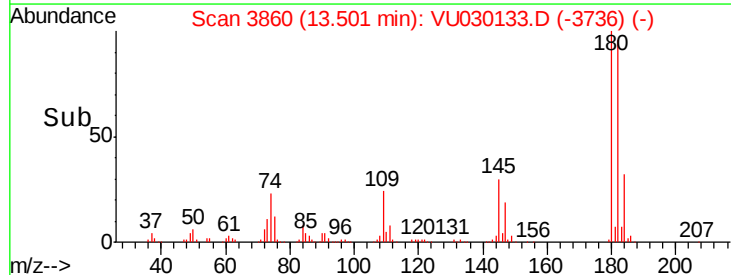
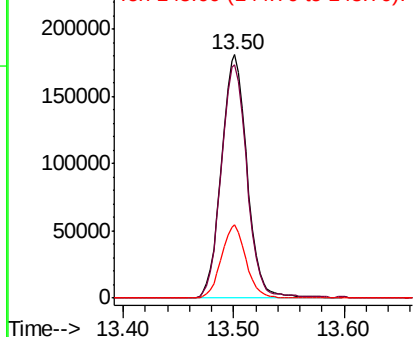


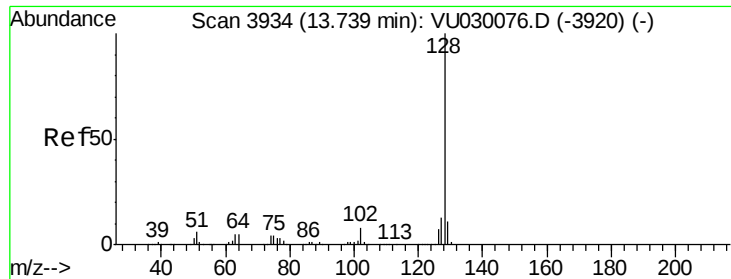
#68
 1,2,4-trichlorobenzene
 Concen: 48.826 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030133.D
 Acq: 16 Mar 2019 10:31

Tgt Ion:180 Resp: 292442
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.1 114.1
 145 29.0 23.0 34.4



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





#69

Naphthalene

Concen: 47.481 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

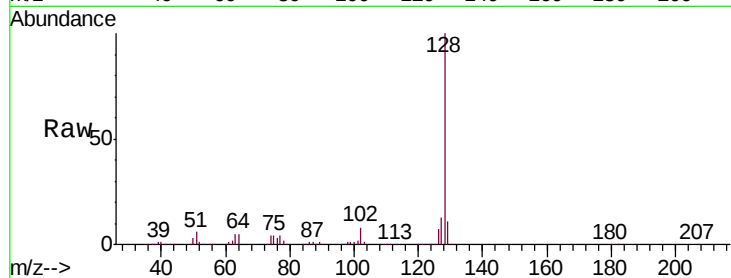
Tgt Ion:128 Resp: 923993

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

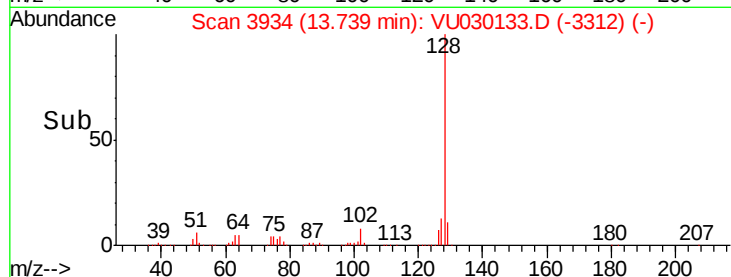
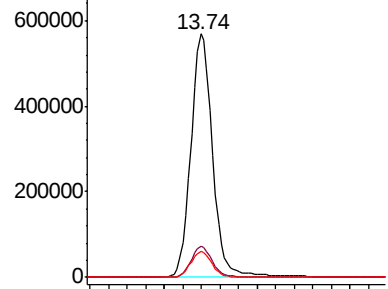
129 10.6 8.7 13.1



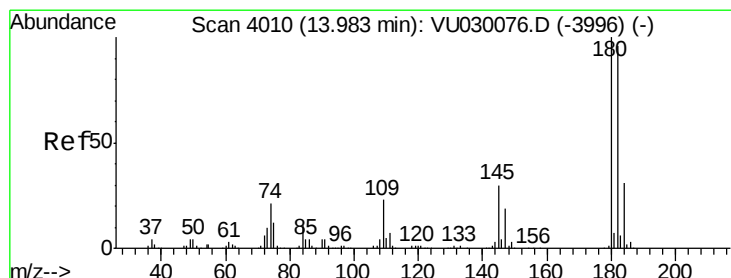
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 49.570 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030133.D

Acq: 16 Mar 2019 10:31

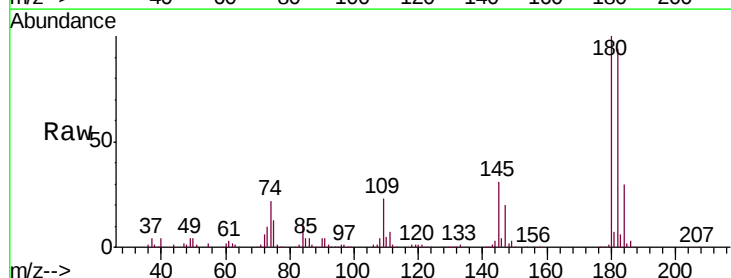
Tgt Ion:180 Resp: 308435

Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

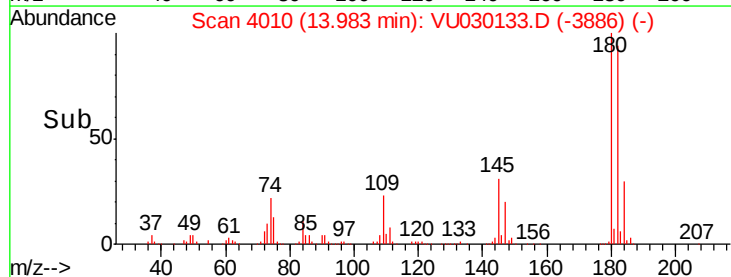
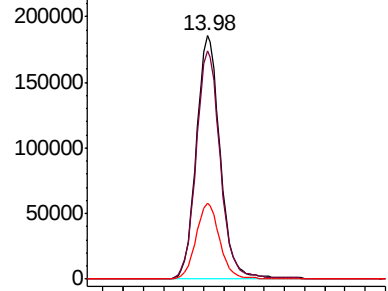
145 30.9 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->