

Data File : VU030564.D
Acq On : 30 Mar 2019 00:52
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Mar 30 02:18:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 02:12:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	397444	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	380922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	166082	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.84%
7) Chloroethane-d5	1.67	69	133619	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.27	63	328357	54.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.24%
21) 2-Butanone-d5	4.17	46	317839	105.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.71%
24) Chloroform-d	4.64	84	304988	55.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	5.31	65	198097	54.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.86%
32) Benzene-d6	5.34	84	595748	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.08%
36) 1,2-Dichloropropane-d6	6.33	67	205593	55.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.02%
41) Toluene-d8	7.56	98	541005	55.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.28%
43) trans-1,3-Dichloropropene-	7.85	79	92992	52.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.82%
47) 2-Hexanone-d5	8.31	63	207915	102.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	289898	54.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	192769	56.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.02%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	215518	49.147 ug/L	100
3) Chloromethane	1.33	50	256362	52.272 ug/L	99
5) Vinyl chloride	1.40	62	248302	53.390 ug/L	100
6) Bromomethane	1.61	94	117660	55.149 ug/L	99
8) Chloroethane	1.69	64	141340	53.833 ug/L	100
9) Trichlorofluoromethane	1.88	101	281899	55.584 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	152745	52.658 ug/L	99
12) 1,1-Dichloroethene	2.28	96	153444	53.961 ug/L	97
13) Acetone	2.32	43	235992	77.609 ug/L	99
14) Carbon disulfide	2.47	76	461188	49.051 ug/L	100
15) Methyl Acetate	2.61	43	262087	56.289 ug/L #	100
16) Methylene chloride	2.70	84	182481	54.436 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	154264	51.709 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	544164	55.157 ug/L	99
19) 1,1-Dichloroethane	3.44	63	345695	56.481 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	179805	53.741 ug/L	99
22) 2-Butanone	4.26	43	371528	101.084 ug/L	99

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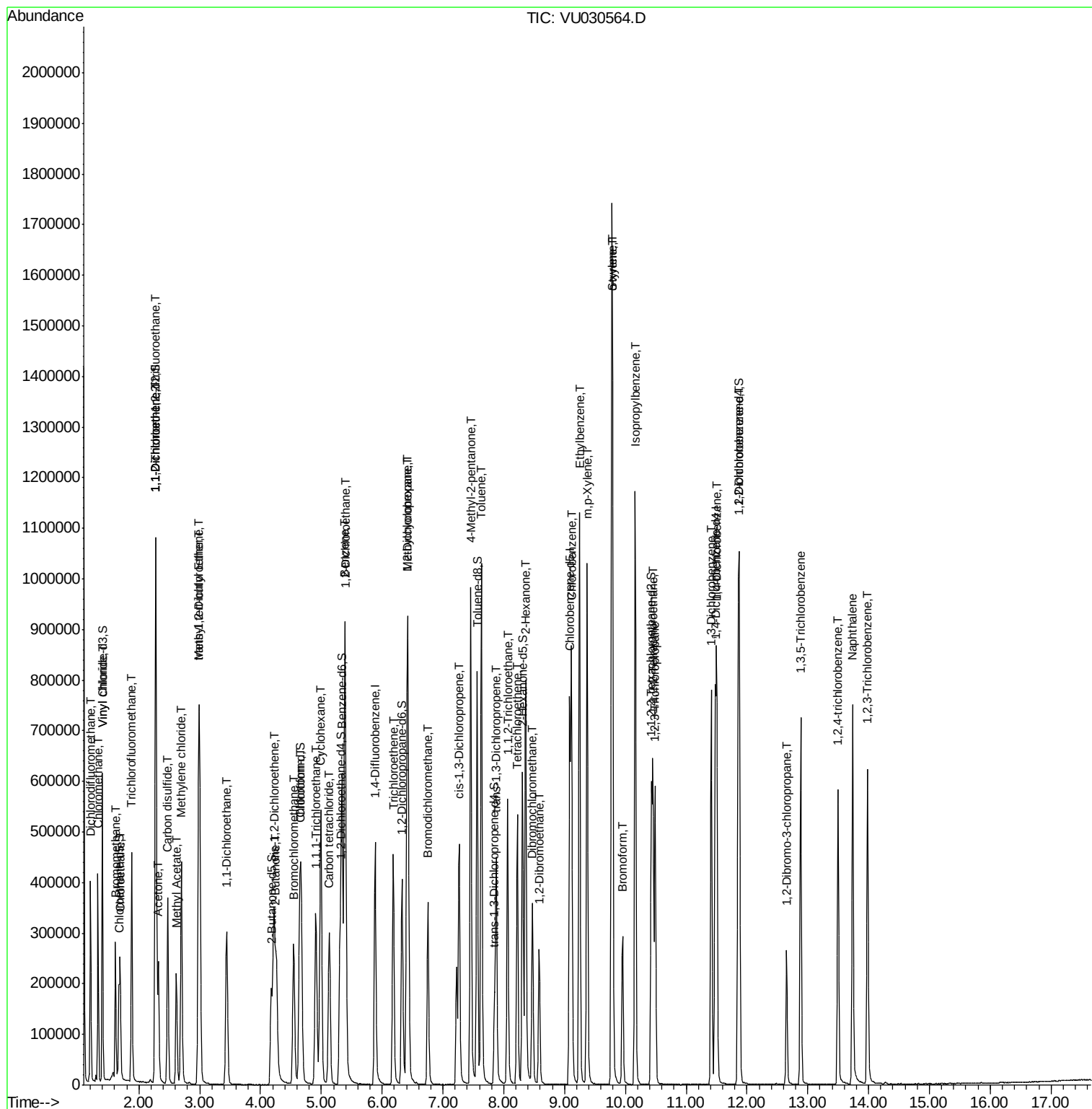
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	87132	56.030	ug/L	95
25) Chloroform	4.67	83	323721	55.628	ug/L	98
27) 1,2-Dichloroethane	5.40	62	264646	57.955	ug/L	97
29) Cyclohexane	4.99	56	302571	52.488	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	264978	56.811	ug/L	100
31) Carbon tetrachloride	5.13	117	222180	56.200	ug/L	98
33) Benzene	5.39	78	724091	55.841	ug/L	100
34) Trichloroethene	6.18	95	167957	52.689	ug/L	97
35) Methylcyclohexane	6.41	83	261632	49.877	ug/L	99
37) 1,2-Dichloropropane	6.43	63	206366	56.080	ug/L	100
38) Bromodichloromethane	6.75	83	246790	56.442	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	287738	54.400	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	690433	111.700	ug/L	98
42) Toluene	7.63	91	749799	55.716	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	255979	55.002	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	173558	55.820	ug/L	98
46) Tetrachloroethene	8.22	164	118448	53.200	ug/L	98
48) 2-Hexanone	8.36	43	531947	105.004	ug/L	99
49) Dibromochloromethane	8.47	129	181555	56.196	ug/L	100
50) 1,2-Dibromoethane	8.58	107	182888	54.807	ug/L	99
51) Chlorobenzene	9.12	112	435804	53.433	ug/L	98
52) Ethylbenzene	9.25	91	799453	54.839	ug/L	98
53) m,p-Xylene	9.37	106	283801	53.916	ug/L	98
54) o-xylene	9.77	106	288531	56.177	ug/L	97
55) Styrene	9.79	104	488718	55.239	ug/L	99
56) Isopropylbenzene	10.16	105	742339	54.585	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	319274	55.715	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	249343	55.668	ug/L	99
61) Bromoform	9.95	173	131662	57.651	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	300927	53.572	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	305563	52.840	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	315538	55.553	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	70558	55.789	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	215179	51.169	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	173812	47.570	ug/L	99
69) Naphthalene	13.74	128	594879	45.787	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	192040	49.774	ug/L	98

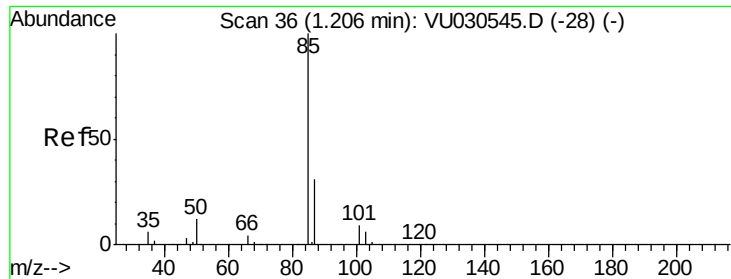
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.147 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

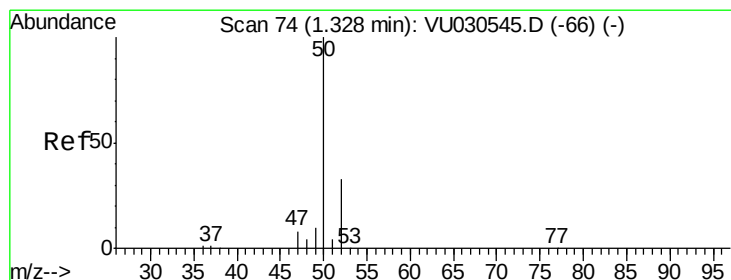
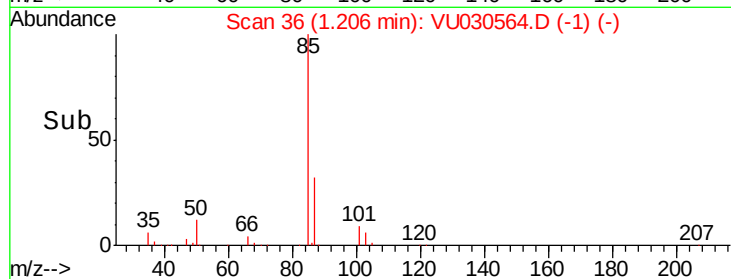
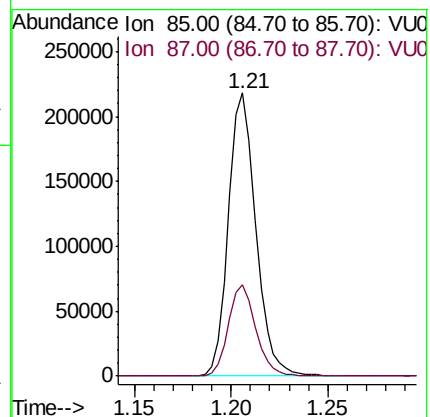
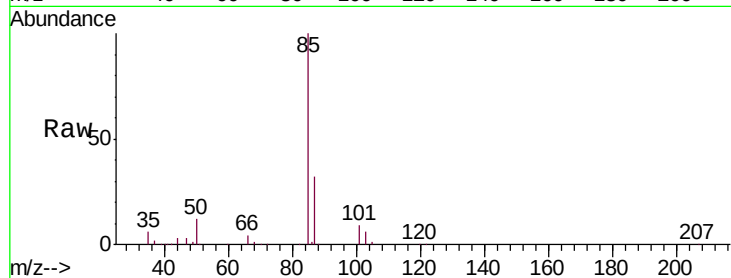
VSTD05041

Tgt Ion: 85 Resp: 21518

Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



#3

Chloromethane

Concen: 52.272 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030564.D

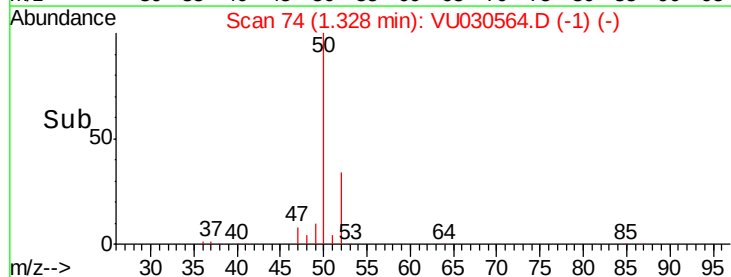
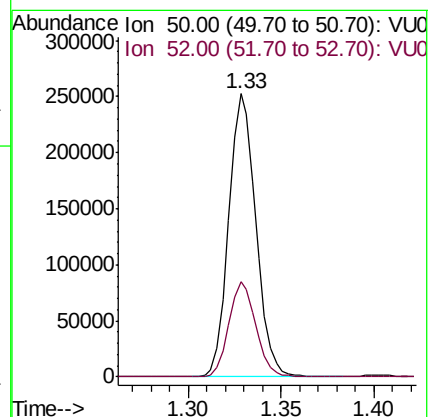
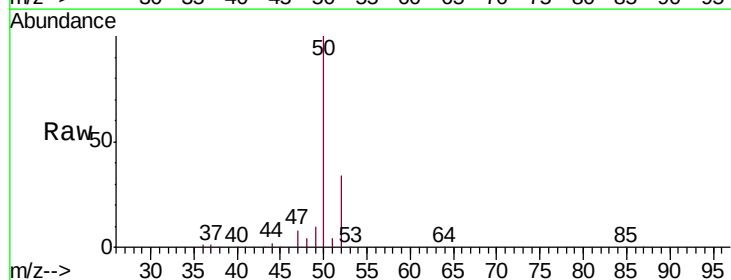
Acq: 30 Mar 2019 00:52

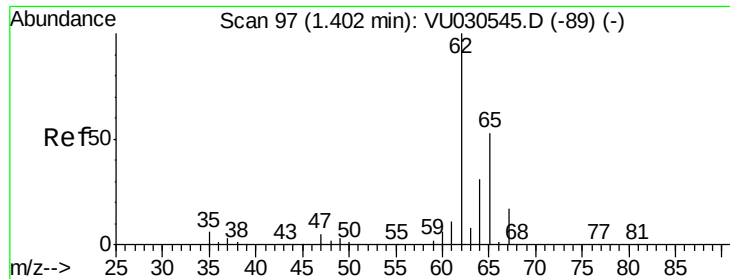
Tgt Ion: 50 Resp: 256362

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6





#5

Vinyl chloride

Concen: 53.390 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

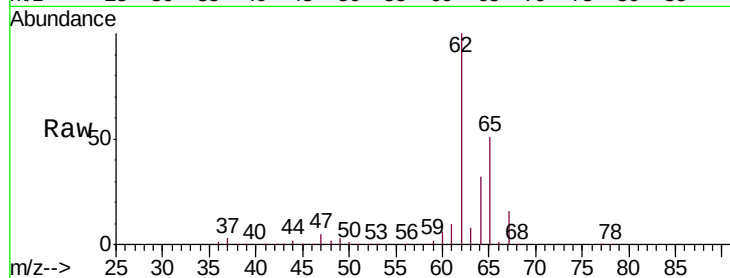
VSTD05041

Tgt Ion: 62 Resp: 248302

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030545.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030545.D (-89) (-)

1.40

250000

200000

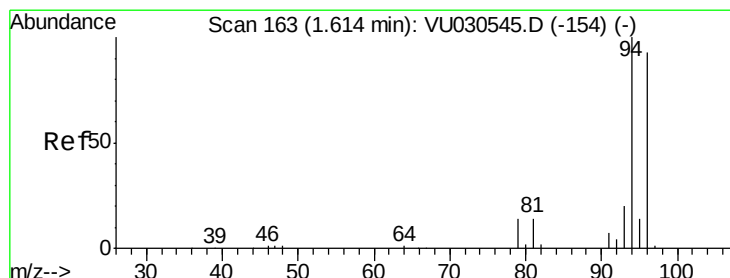
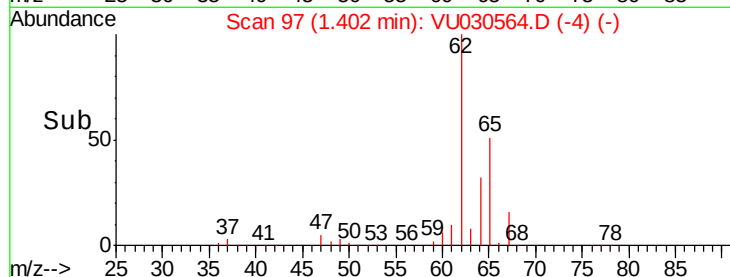
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 55.149 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU030564.D

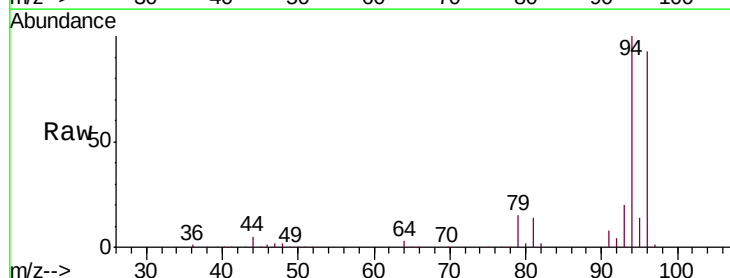
Acq: 30 Mar 2019 00:52

Tgt Ion: 94 Resp: 117660

Ion Ratio Lower Upper

94 100

96 93.5 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030545.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU030545.D (-154) (-)

1.61

100000

80000

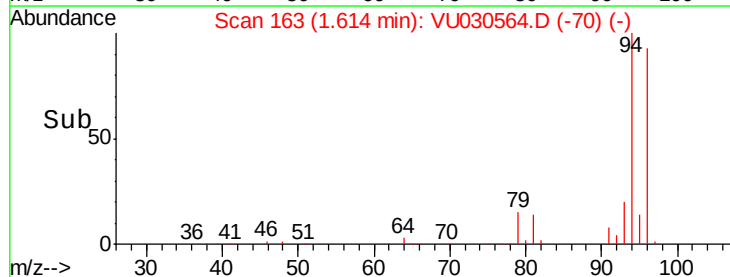
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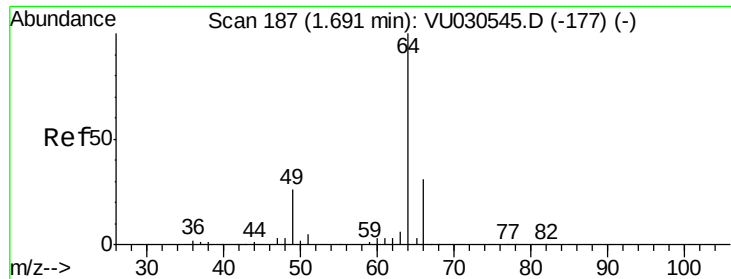
40000

20000

0

Time-->

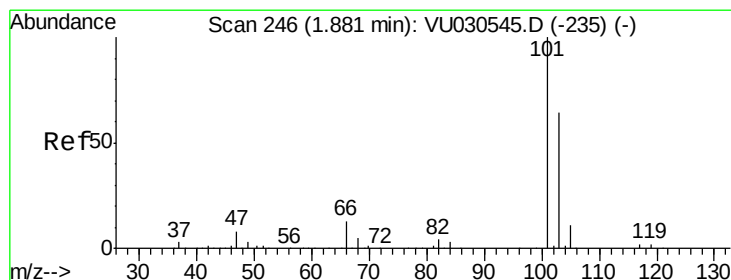
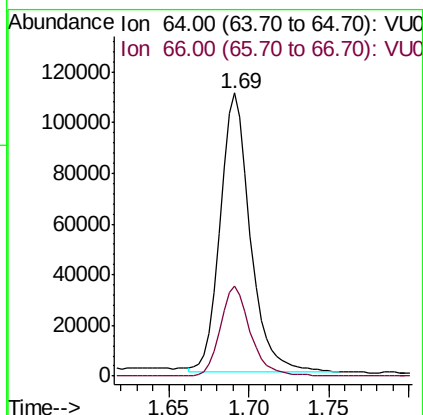
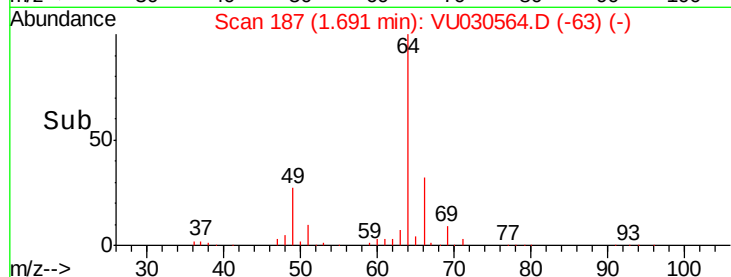
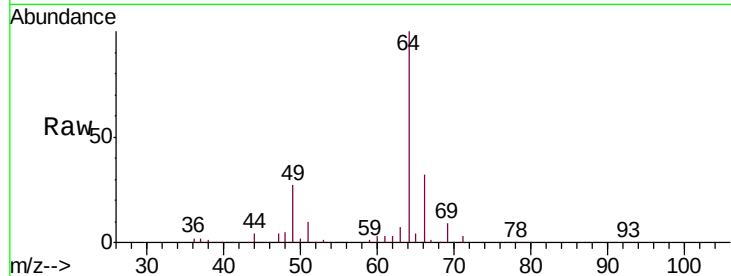




#8
 Chloroethane
 Concen: 53.833 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

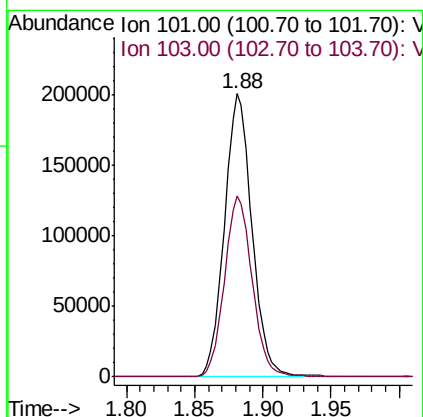
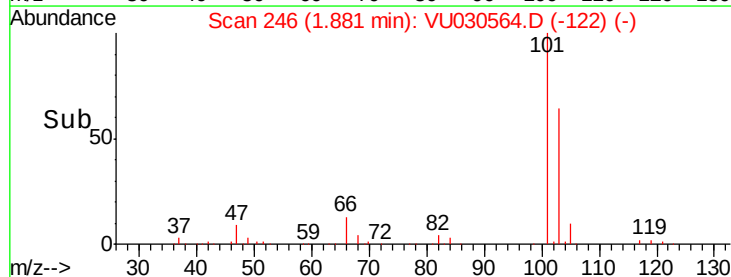
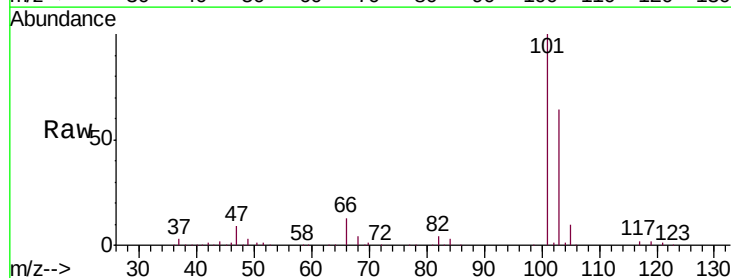
Instrument :
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 VSTD05041

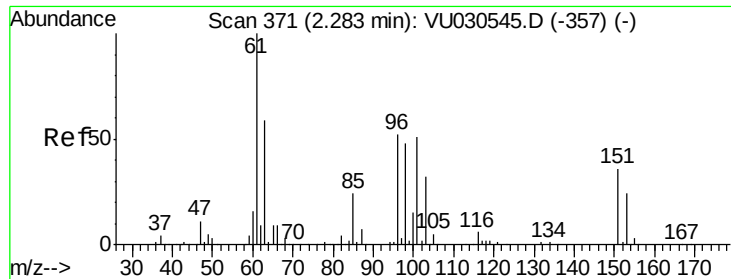
Tgt Ion: 64 Resp: 141340
 Ion Ratio Lower Upper
 64 100
 66 31.9 22.5 41.7



#9
 Trichlorofluoromethane
 Concen: 55.584 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 101 Resp: 281899
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.1 76.7





#10

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

Concen: 52.658 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

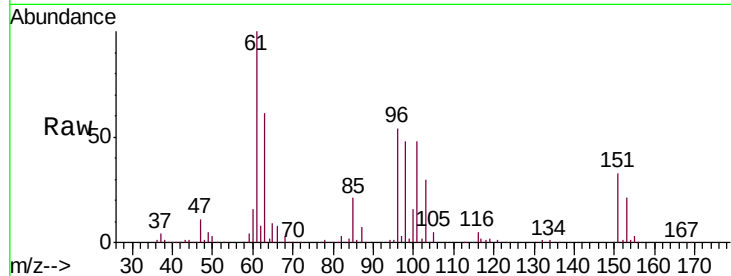
Tgt Ion:101 Resp: 152745

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

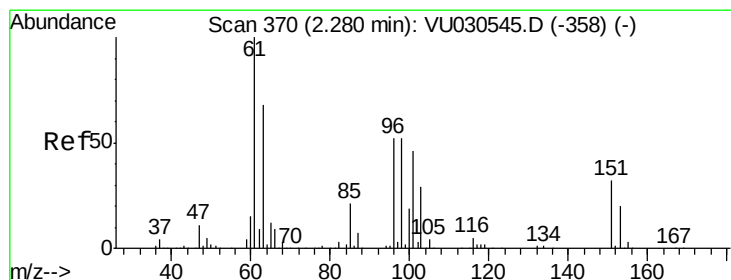
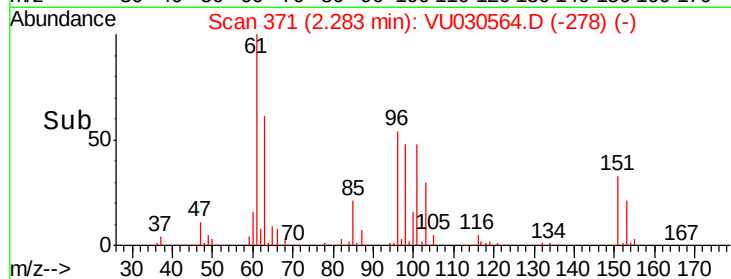
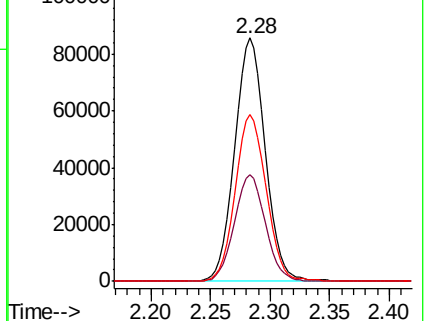
151 69.6 56.6 85.0



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: 53.961 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

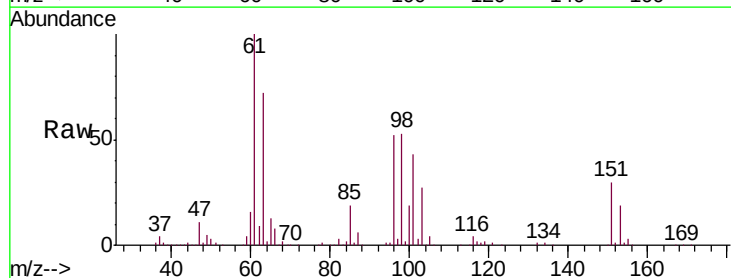
Tgt Ion: 96 Resp: 153444

Ion Ratio Lower Upper

96 100

61 191.2 131.0 243.4

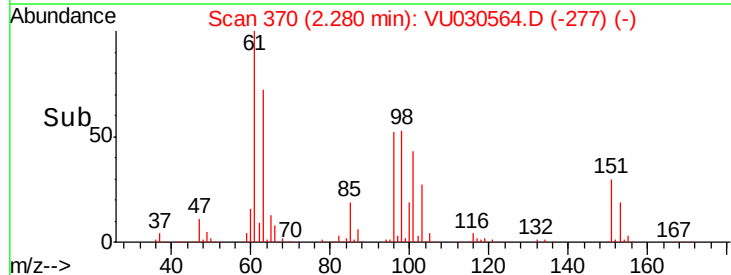
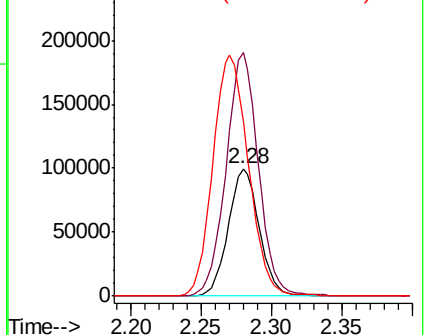
63 137.0 92.4 171.6

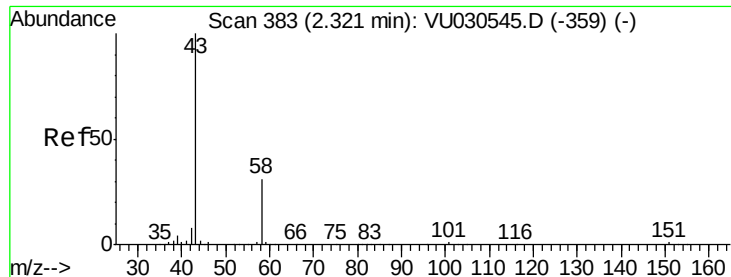


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.609 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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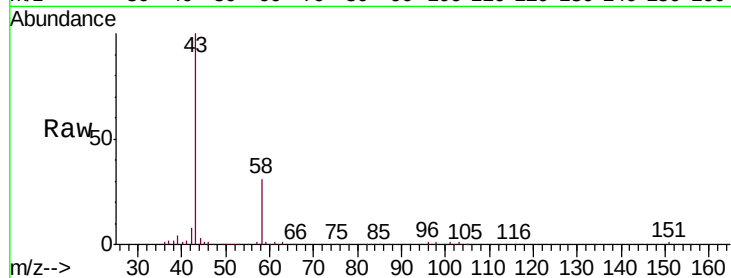
VSTD05041

Tgt Ion: 43 Resp: 235992

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030545.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU030545.D (-359) (-)

2.32

150000

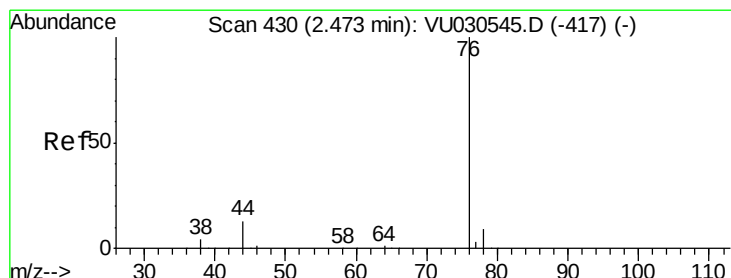
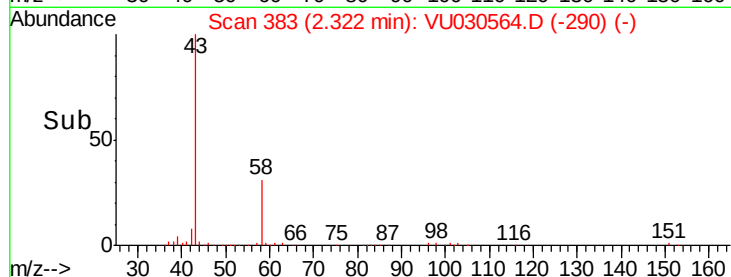
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 49.051 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030564.D

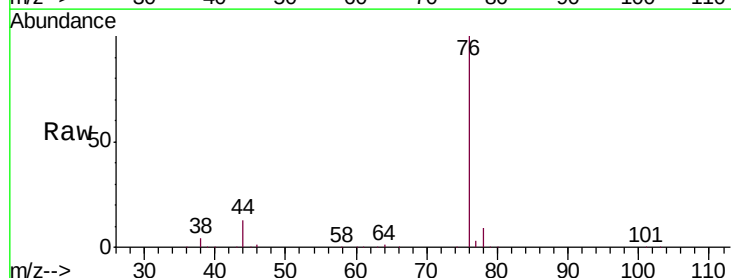
Acq: 30 Mar 2019 00:52

Tgt Ion: 76 Resp: 461188

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030545.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU030545.D (-417) (-)

2.47

300000

250000

200000

150000

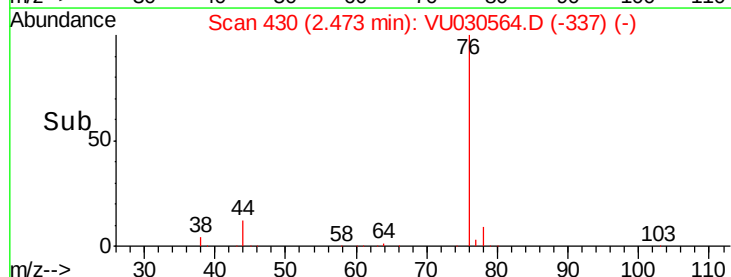
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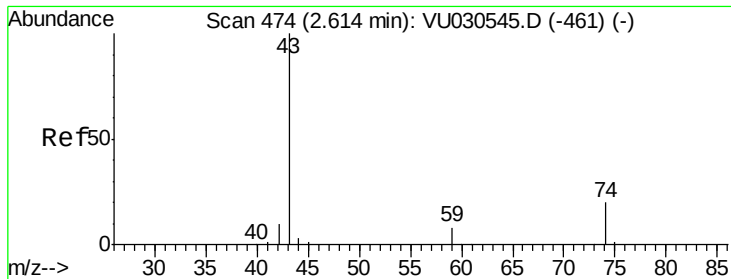
50000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 56.289 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

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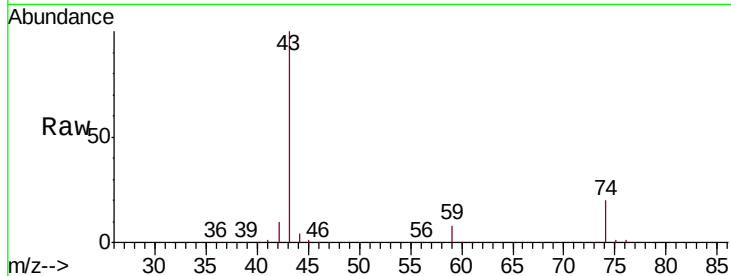
VSTD05041

Tgt Ion: 43 Resp: 262087

Ion Ratio Lower Upper

43 100

74 19.6 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

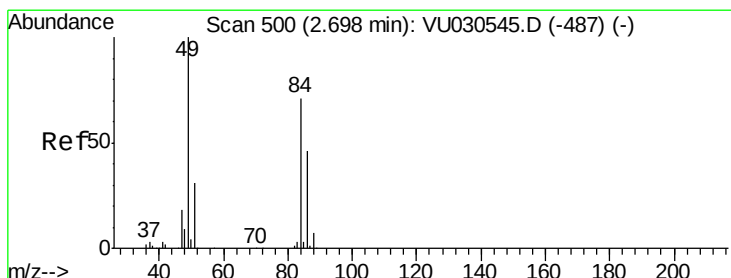
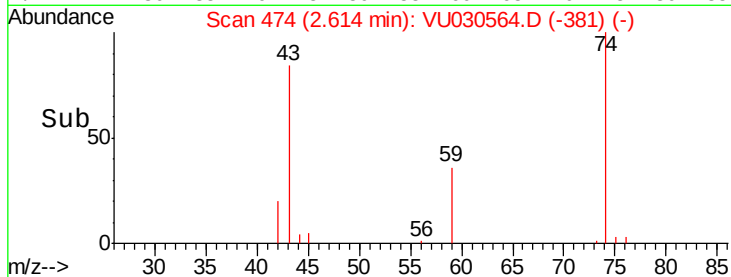
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 54.436 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

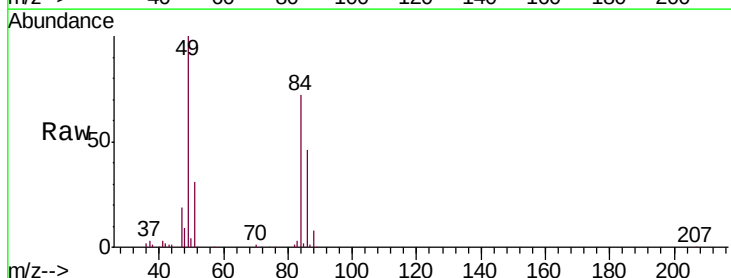
Tgt Ion: 84 Resp: 182481

Ion Ratio Lower Upper

84 100

86 63.9 44.3 82.3

49 139.4 94.9 176.3



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

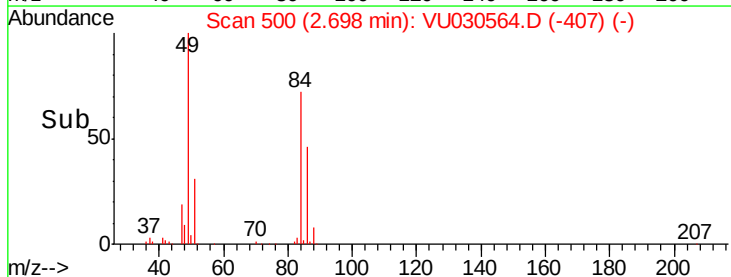
150000

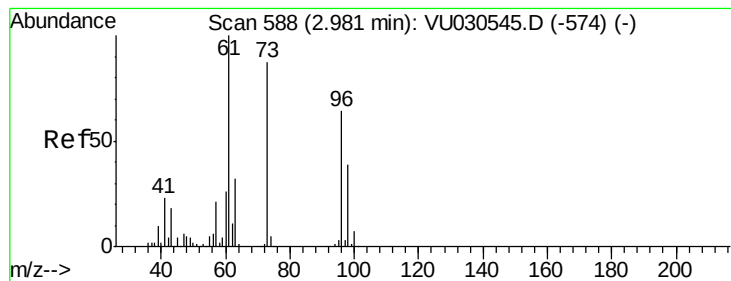
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 51.709 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

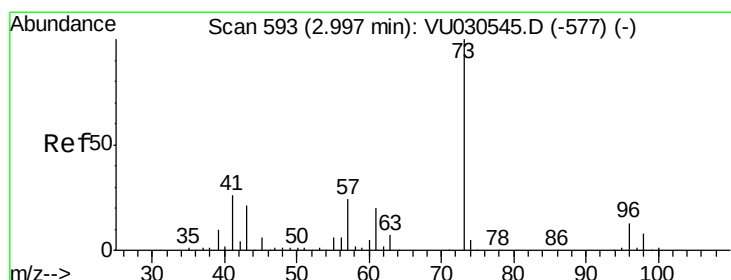
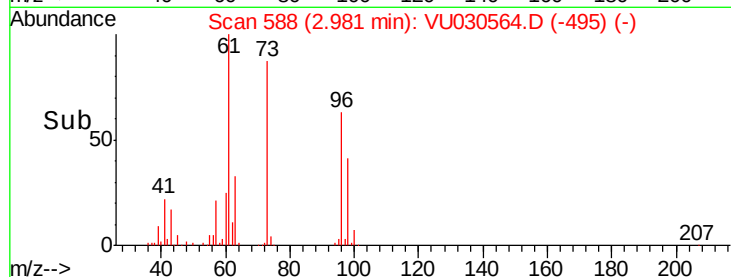
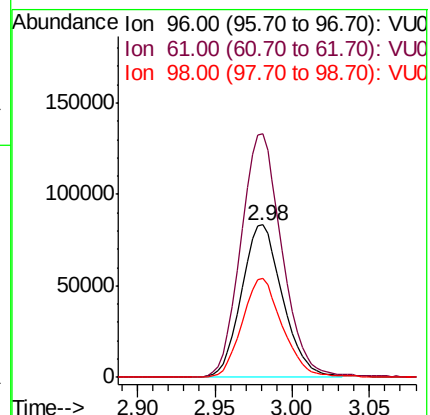
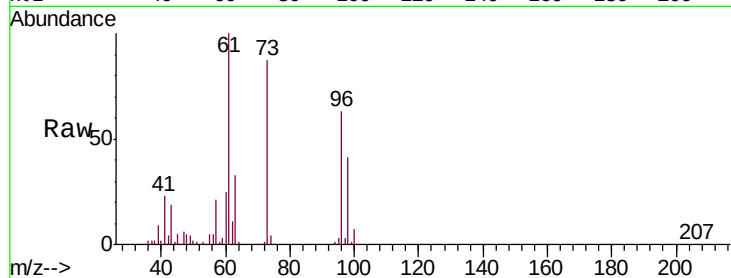
Tgt Ion: 96 Resp: 154264

Ion Ratio Lower Upper

96 100

61 159.5 108.6 201.8

98 64.9 42.3 78.5



#18

Methyl tert-butyl Ether

Concen: 55.157 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

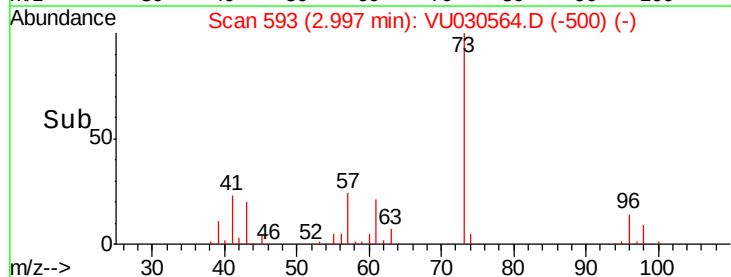
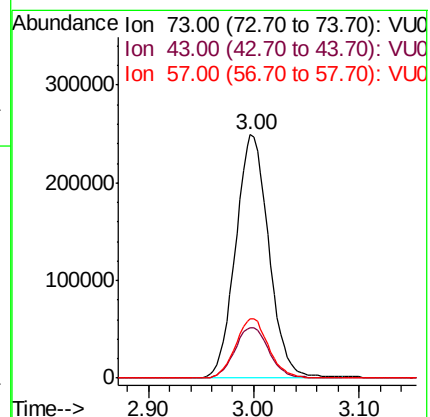
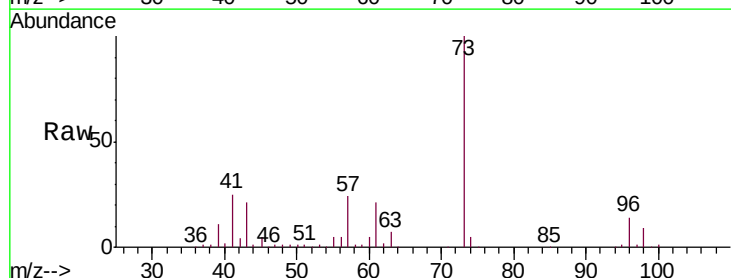
Tgt Ion: 73 Resp: 544164

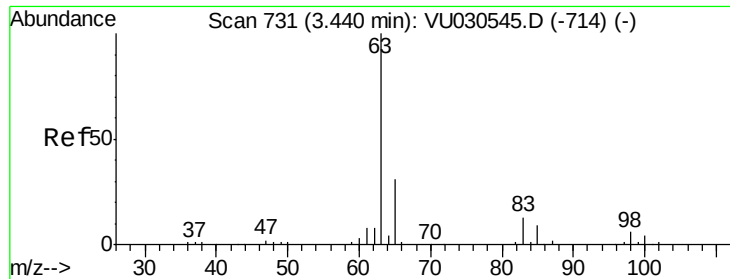
Ion Ratio Lower Upper

73 100

43 21.2 16.6 24.8

57 24.2 18.9 28.3

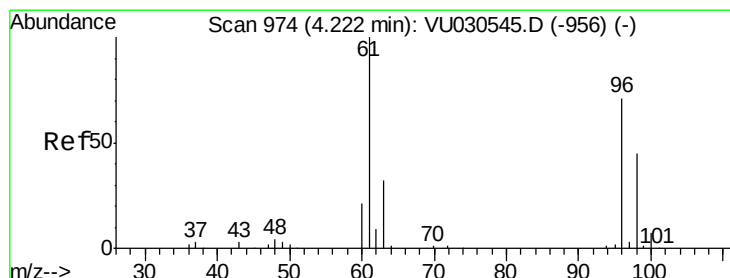
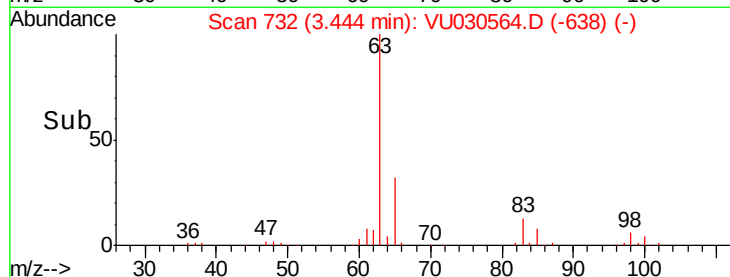
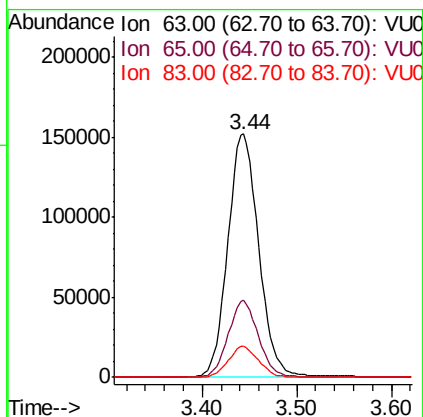
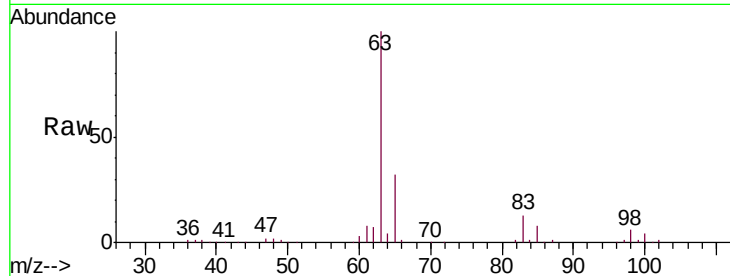




#19
 1,1-Dichloroethane
 Concen: 56.481 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

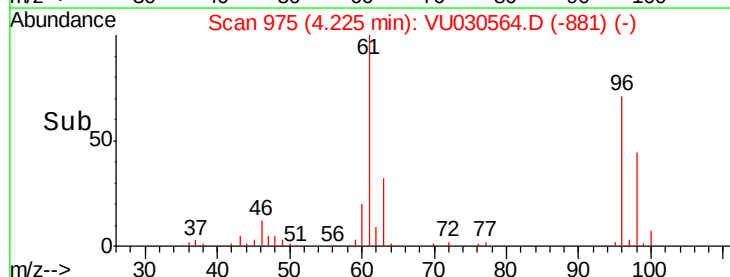
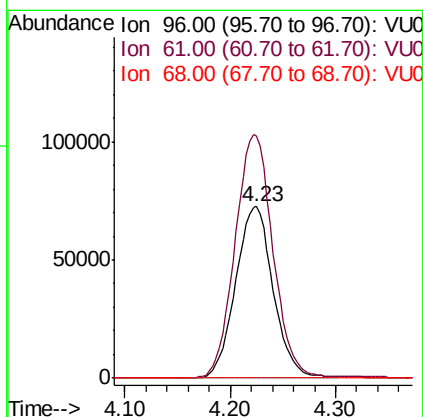
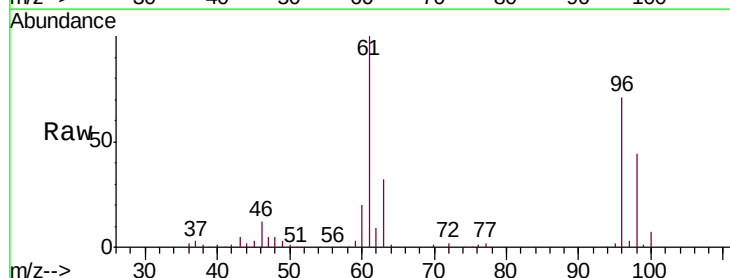
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

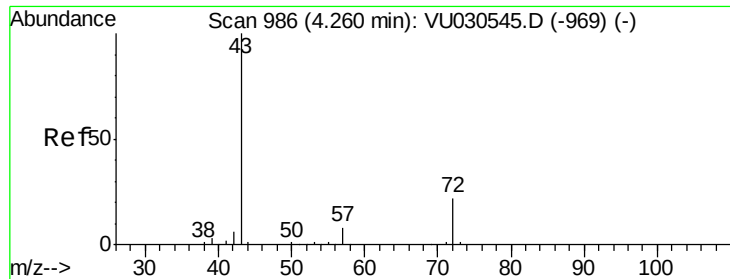
Tgt Ion: 63 Resp: 345695
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 12.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 53.741 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 96 Resp: 179805
 Ion Ratio Lower Upper
 96 100
 61 141.4 98.4 182.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.084 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

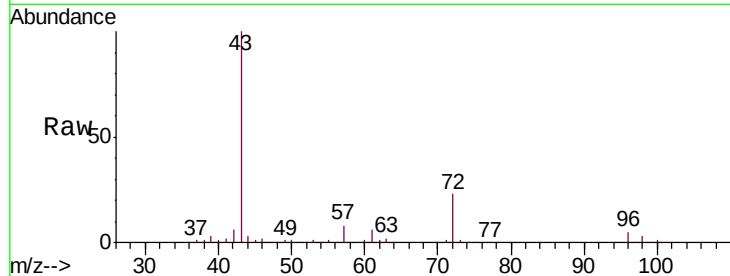
VSTD05041

Tgt Ion: 43 Resp: 371528

Ion Ratio Lower Upper

43 100

72 23.8 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030545.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU030545.D (-969) (-)

4.26

150000

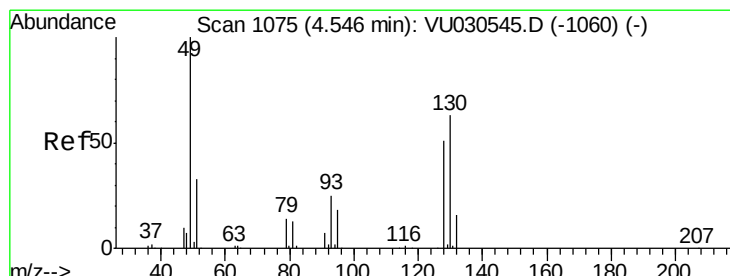
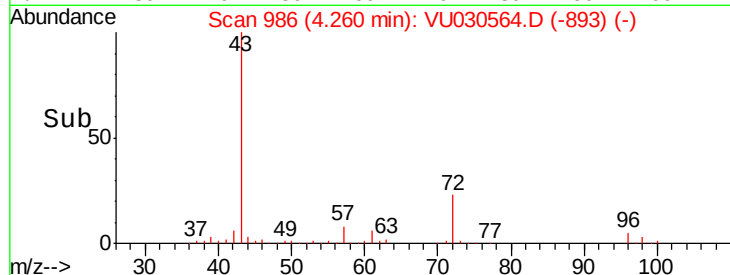
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 56.030 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Tgt Ion: 128 Resp: 87132

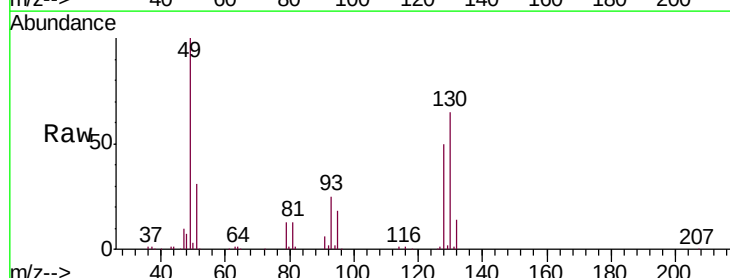
Ion Ratio Lower Upper

128 100

49 199.1 145.5 270.3

130 129.3 95.3 177.1

51 62.6 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030545.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU030545.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU030545.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU030545.D (-1060) (-)

100000

80000

60000

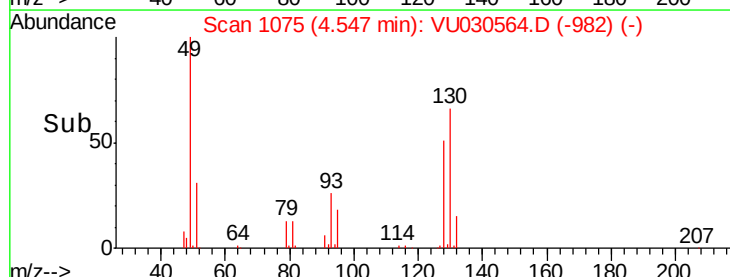
40000

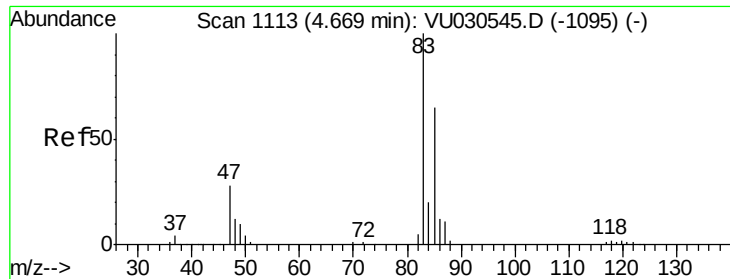
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->

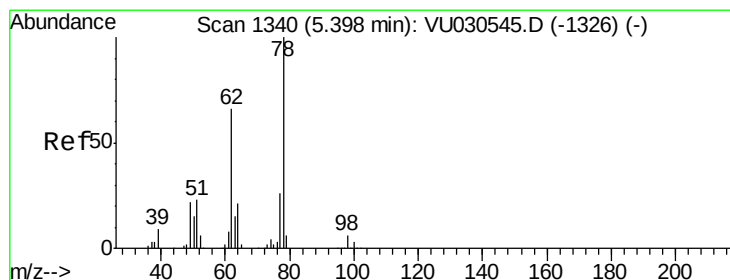
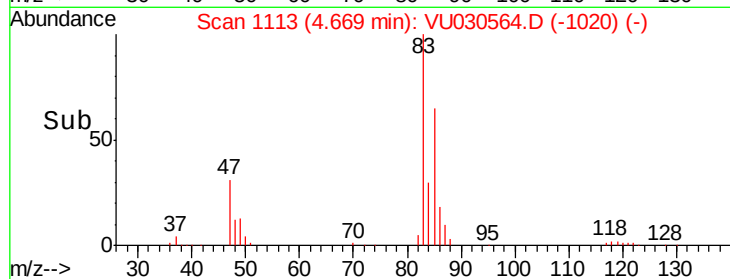
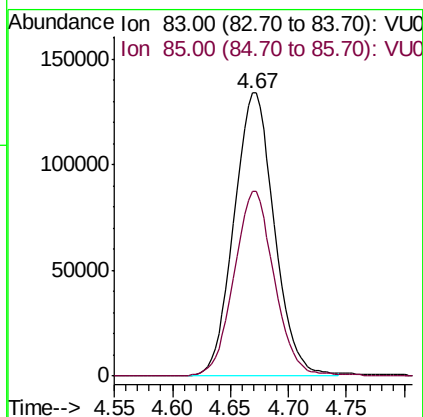
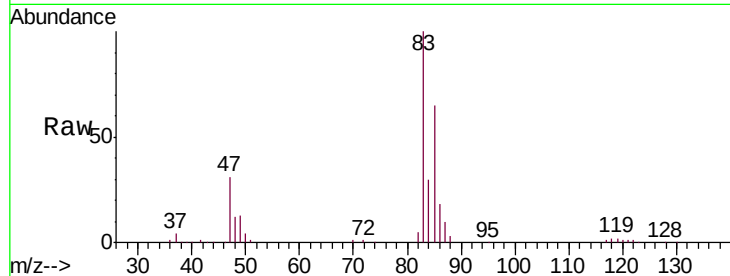




#25
Chloroform
Concen: 55.628 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

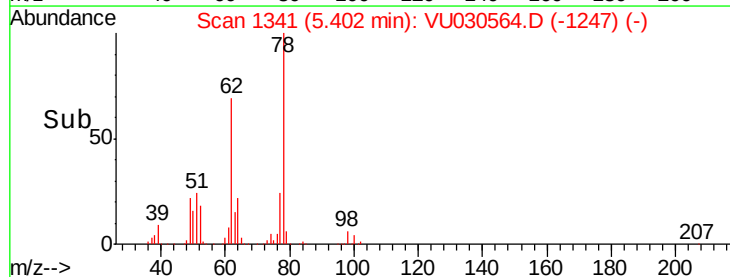
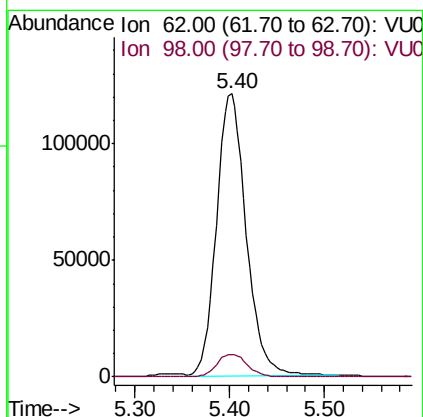
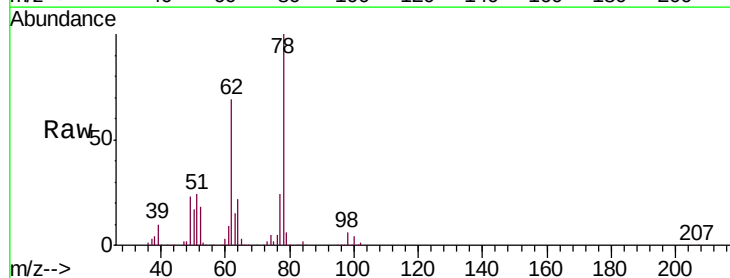
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

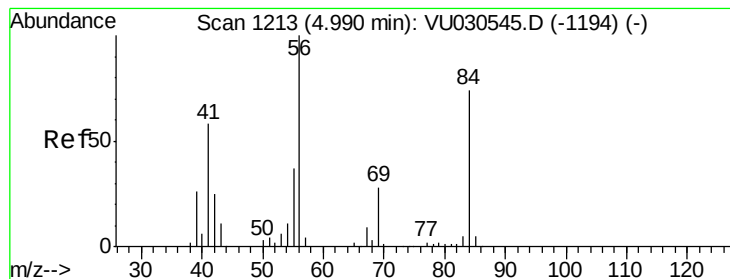
Tgt Ion: 83 Resp: 323721
Ion Ratio Lower Upper
83 100
85 65.2 44.4 82.4



#27
1,2-Dichloroethane
Concen: 57.955 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

Tgt Ion: 62 Resp: 264646
Ion Ratio Lower Upper
62 100
98 8.0 7.2 10.8





#29

Cyclohexane

Concen: 52.488 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

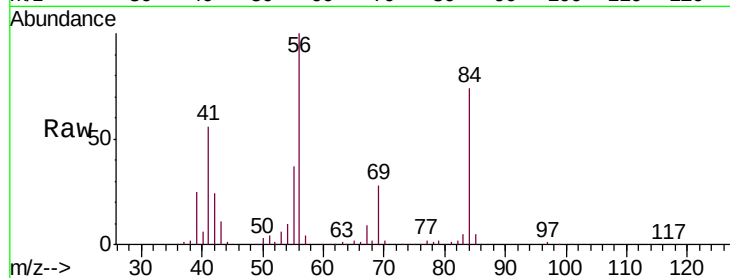
Tgt Ion: 56 Resp: 302571

Ion Ratio Lower Upper

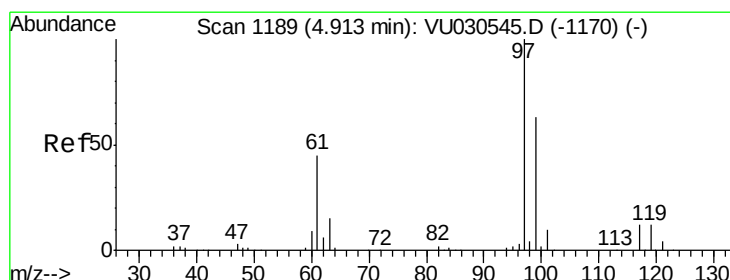
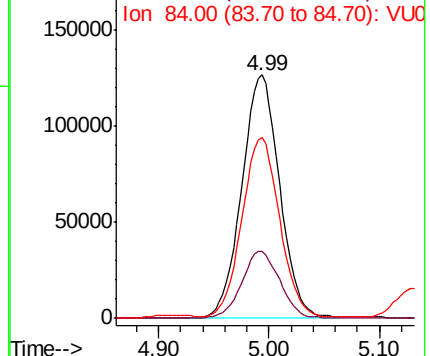
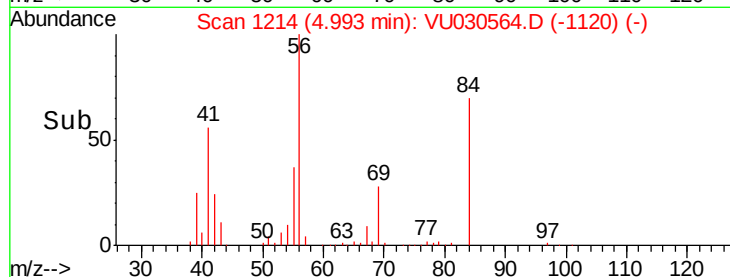
56 100

69 27.6 22.9 34.3

84 72.5 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VU030564.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 56.811 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

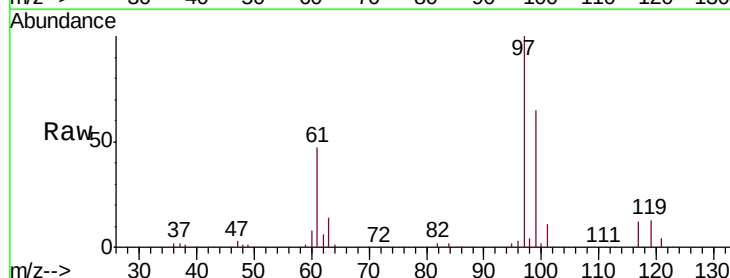
Tgt Ion: 97 Resp: 264978

Ion Ratio Lower Upper

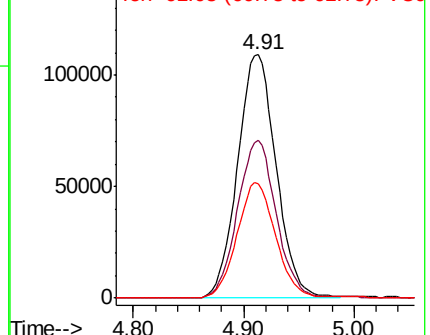
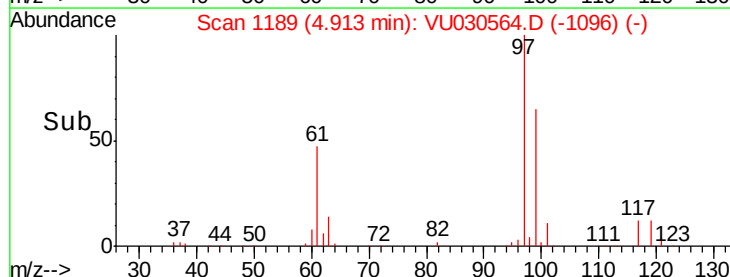
97 100

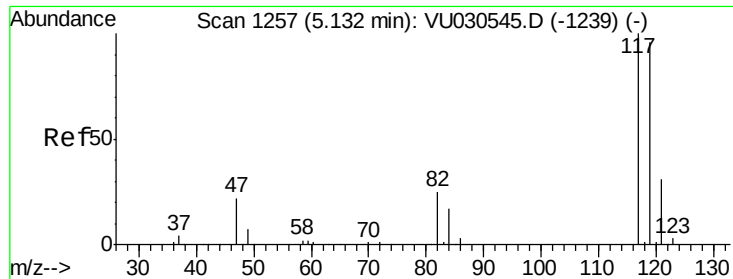
99 64.5 51.8 77.6

61 47.5 38.2 57.4



Abundance Ion 97.00 (96.70 to 97.70): VU030564.D (-1096) (-)





#31

Carbon tetrachloride

Concen: 56.200 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

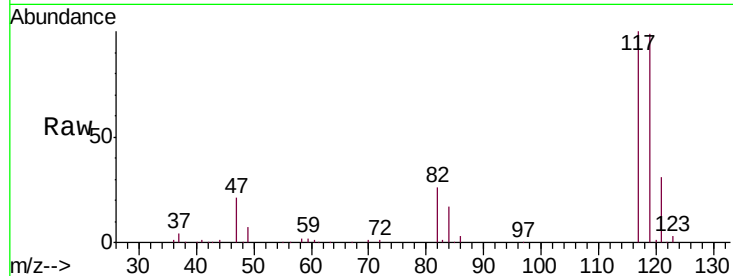
VSTD05041

Tgt Ion:117 Resp: 222180

Ion Ratio Lower Upper

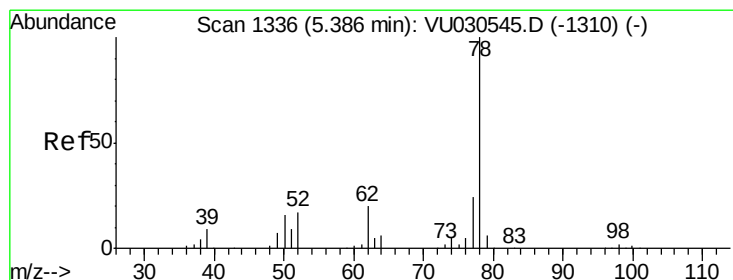
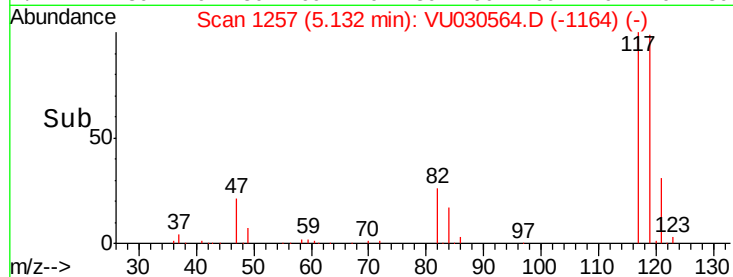
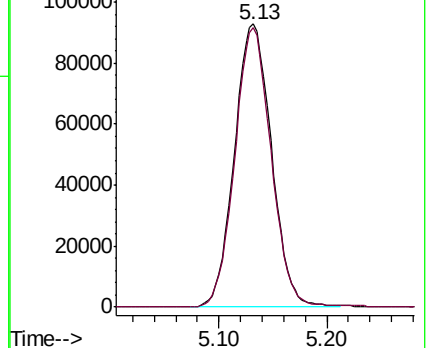
117 100

119 96.4 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.841 ug/L

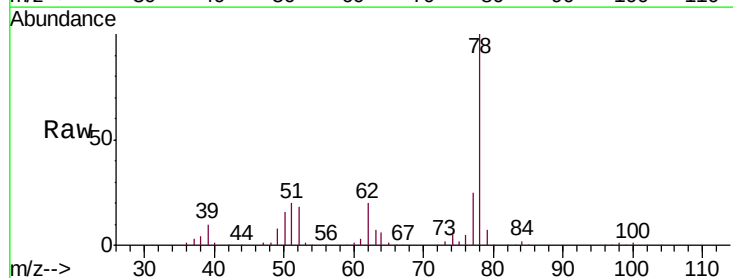
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

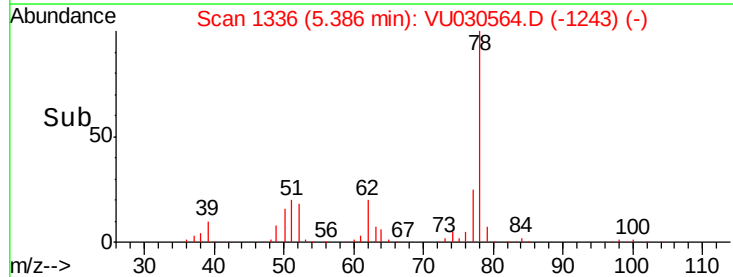
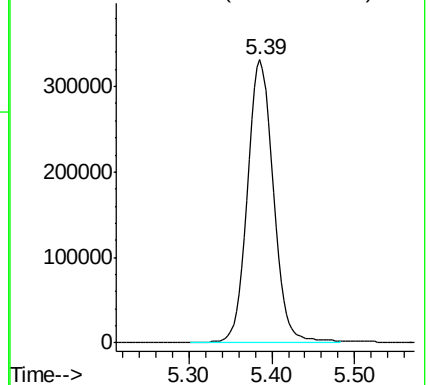
Lab File: VU030564.D

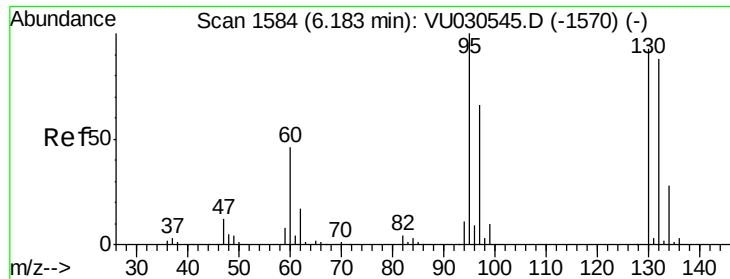
Acq: 30 Mar 2019 00:52

Tgt Ion: 78 Resp: 724091



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.689 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 95 Resp: 167957

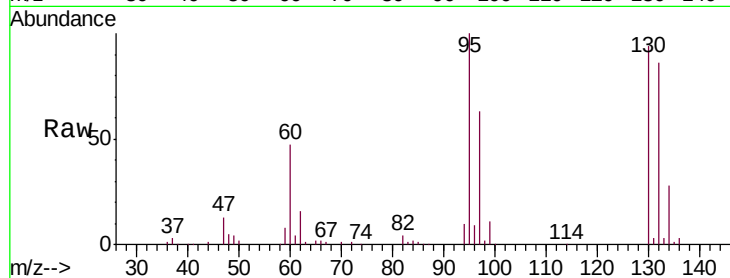
Ion Ratio Lower Upper

95 100

97 63.3 45.7 84.9

132 86.2 63.8 118.4

130 94.1 65.7 121.9

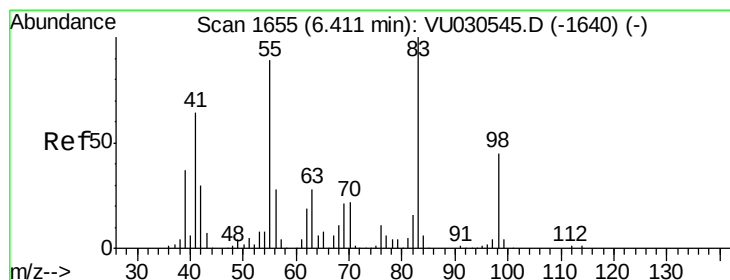
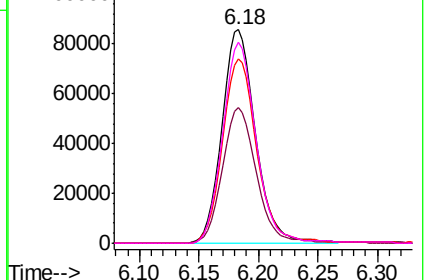
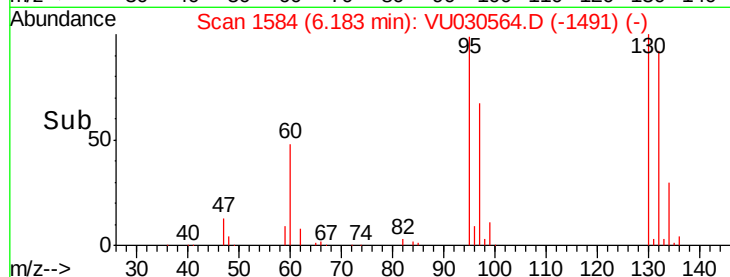


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.877 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

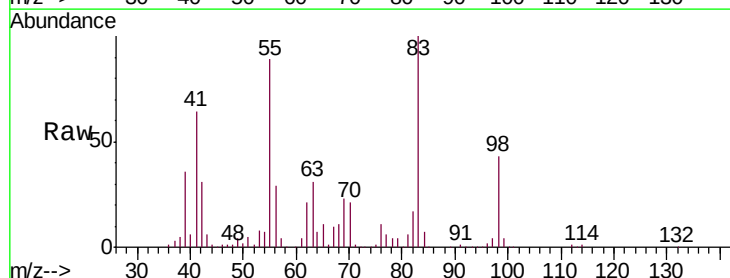
Tgt Ion: 83 Resp: 261632

Ion Ratio Lower Upper

83 100

55 88.6 71.4 107.0

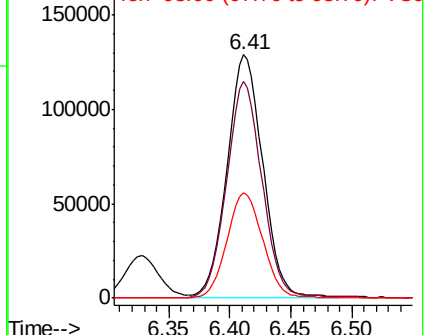
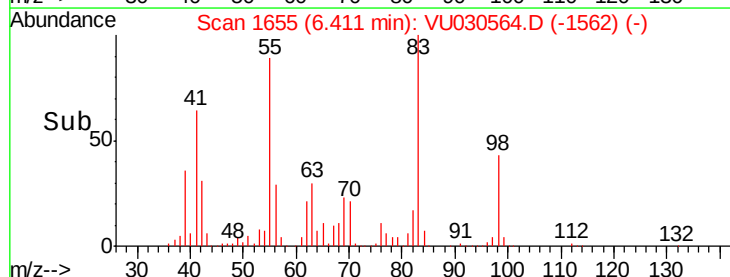
98 43.8 36.0 54.0

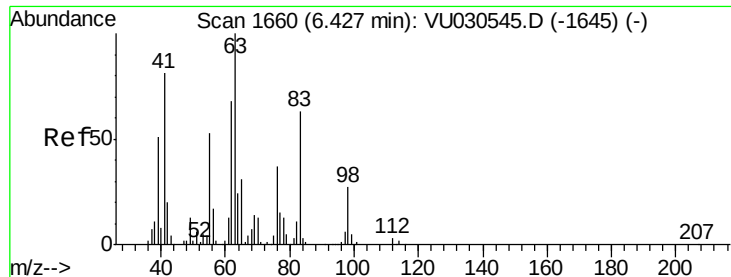


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

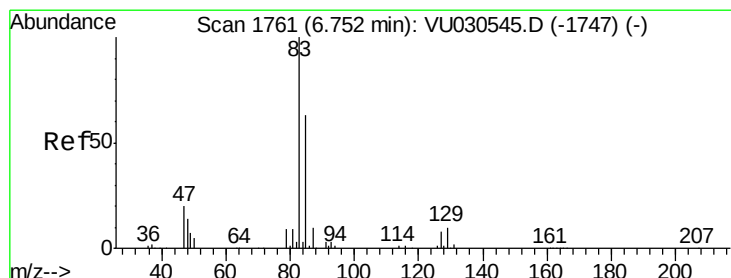
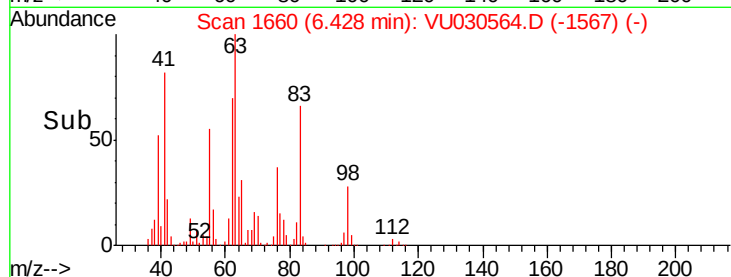
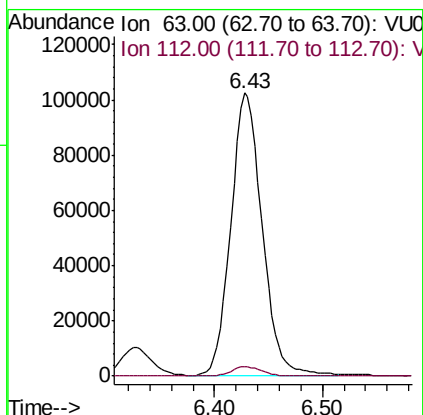
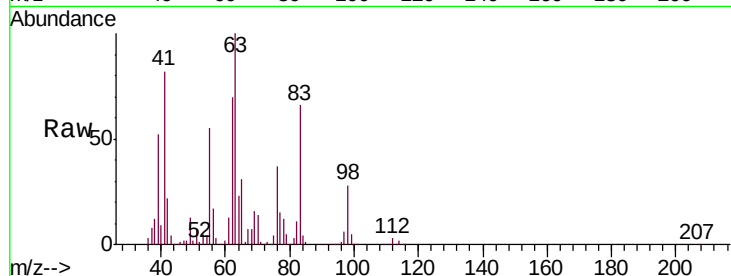




#37
 1,2-Dichloropropane
 Concen: 56.080 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

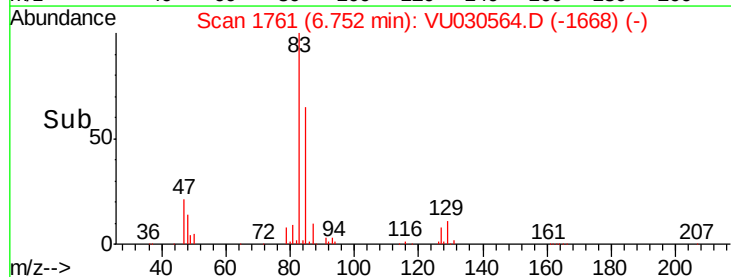
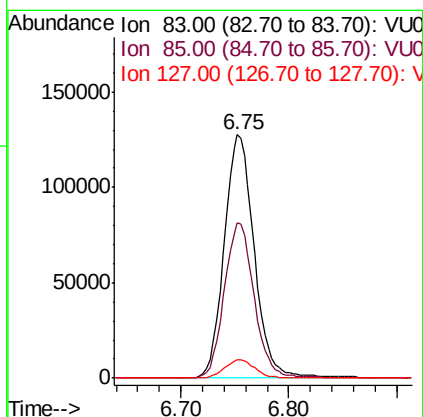
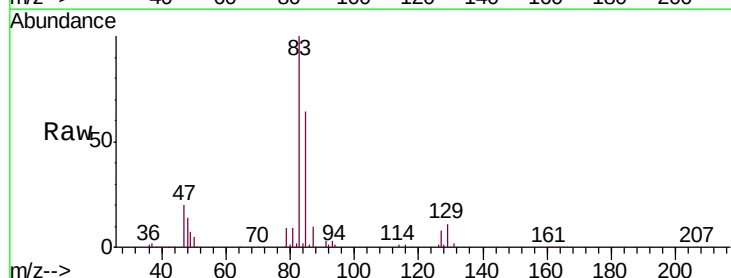
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

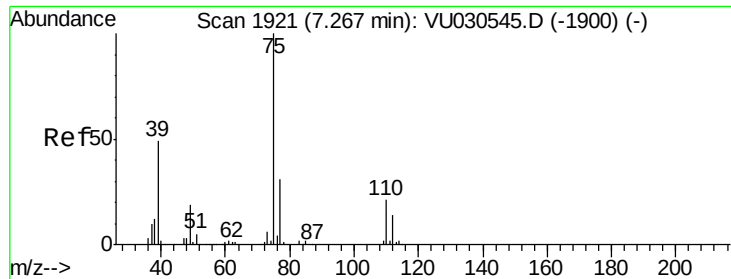
Tgt Ion: 63 Resp: 206366
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 56.442 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 83 Resp: 246790
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.0 83.6
 127 7.5 6.6 10.0

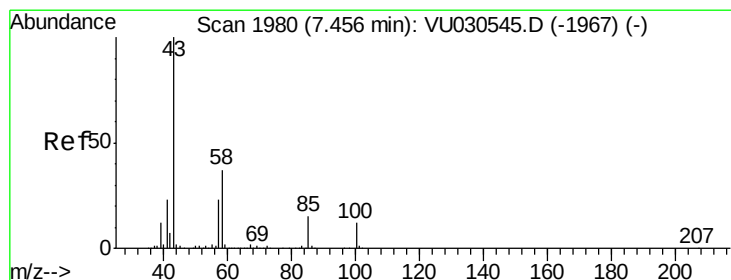
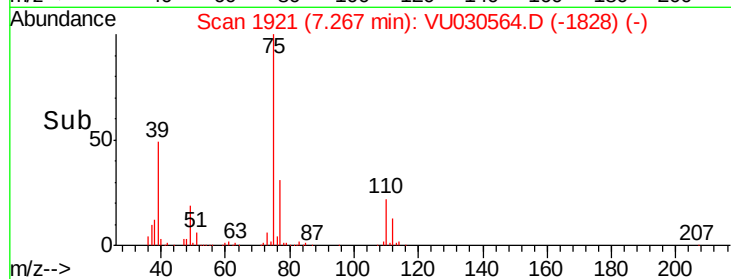
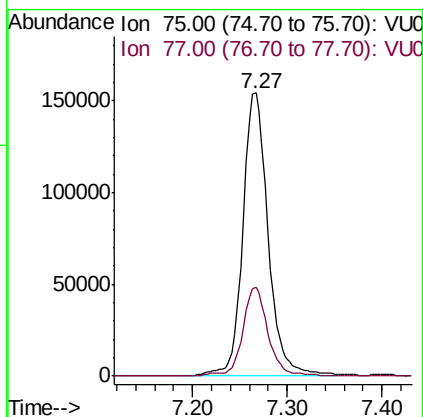
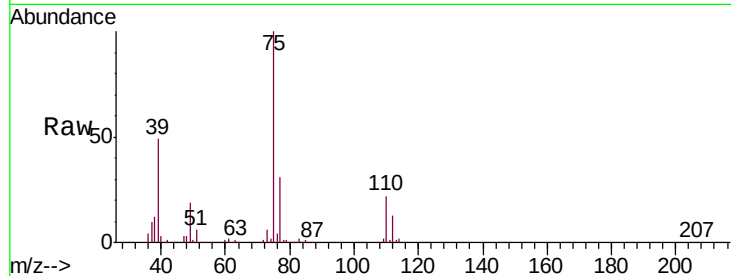




#39
 cis-1,3-Dichloropropene
 Concen: 54.400 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

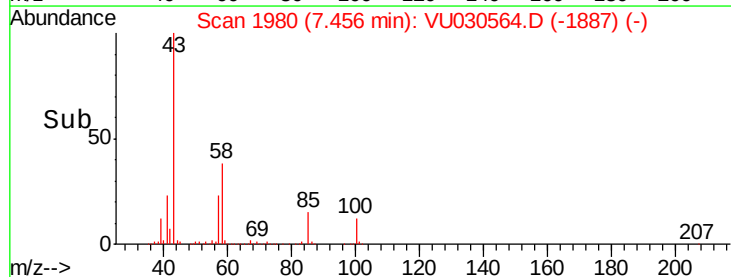
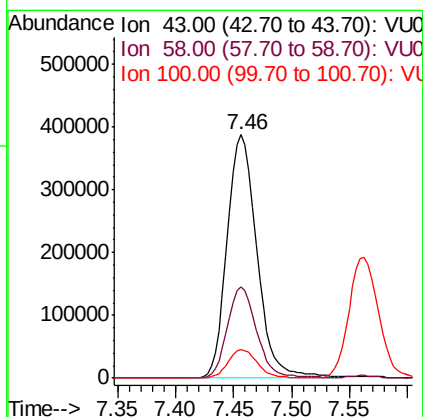
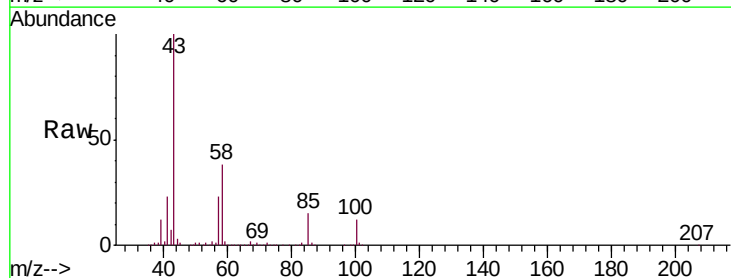
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

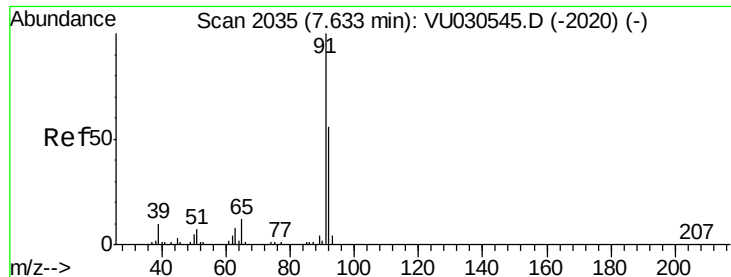
Tgt Ion: 75 Resp: 287738
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 111.700 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 43 Resp: 690433
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.6 45.8
 100 11.6 9.5 14.3





#42

Toluene

Concen: 55.716 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

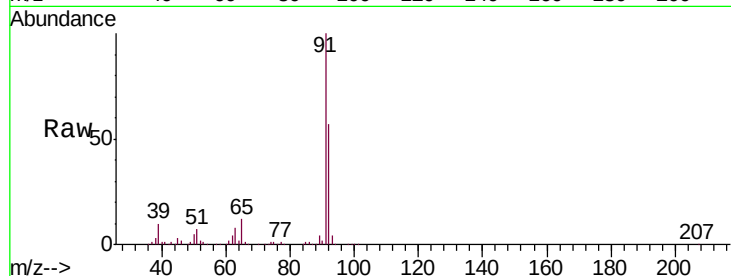
VSTD05041

Tgt Ion: 91 Resp: 749799

Ion Ratio Lower Upper

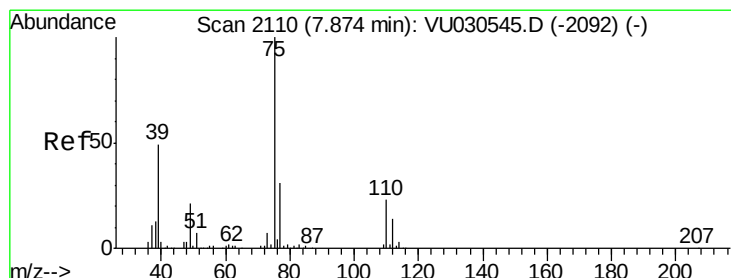
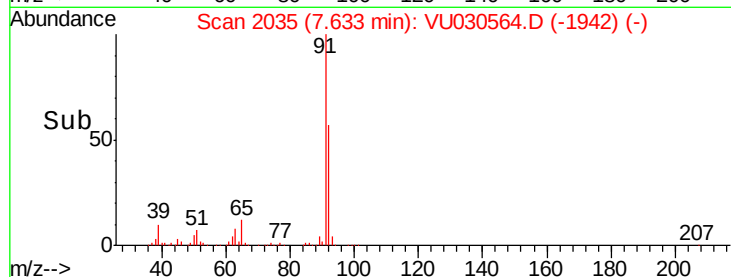
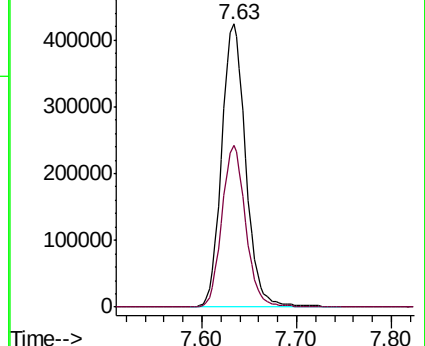
91 100

92 57.1 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030564.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU030564.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 55.002 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030564.D

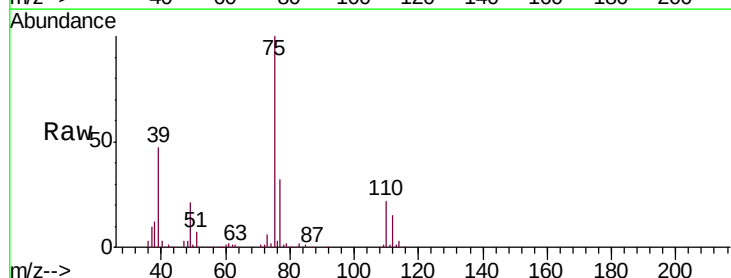
Acq: 30 Mar 2019 00:52

Tgt Ion: 75 Resp: 255979

Ion Ratio Lower Upper

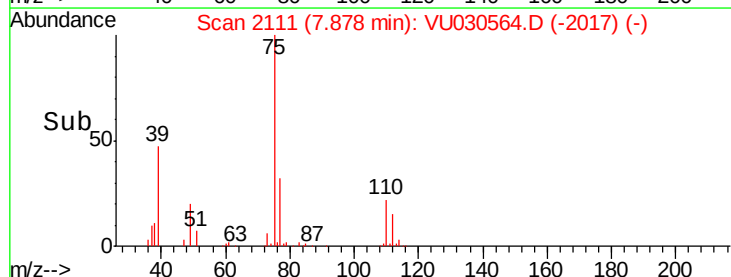
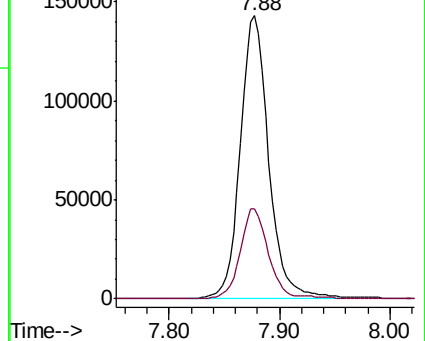
75 100

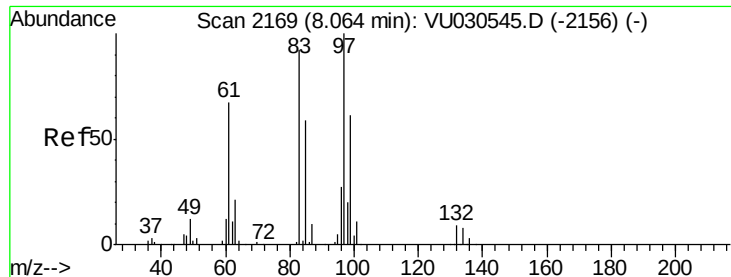
77 32.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030564.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU030564.D (-2017) (-)

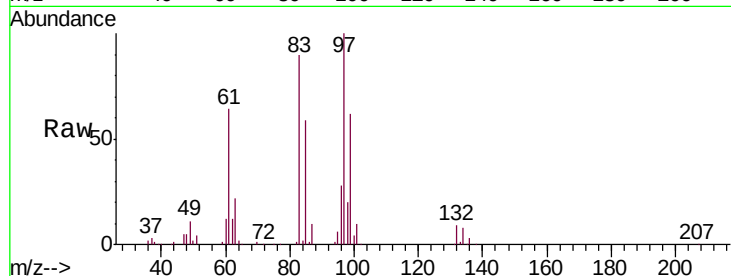




#45
 1,1,2-Trichloroethane
 Concen: 55.820 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:	97	Resp:	173558
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.0	81.8
83	90.2	65.3	121.3
85	59.2	41.8	77.6



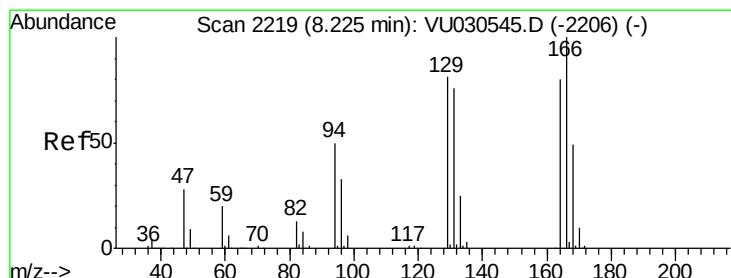
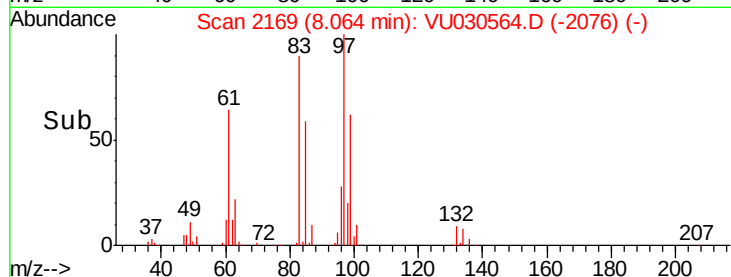
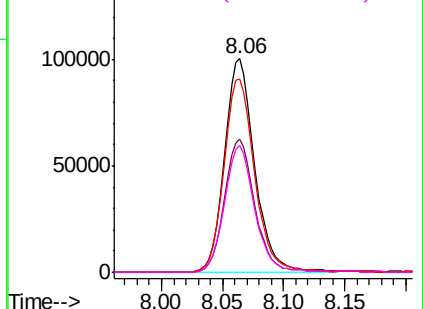
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

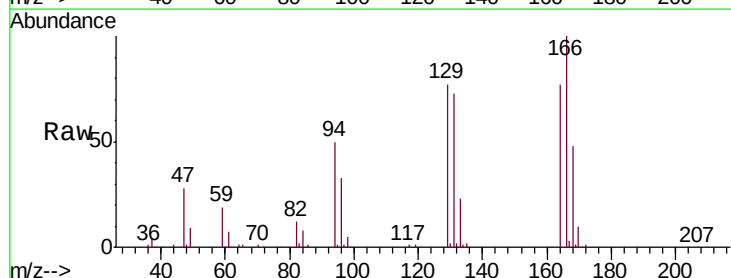
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 53.200 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion:	164	Resp:	118448
Ion	Ratio	Lower	Upper
164	100		
129	100.3	68.1	126.5
131	94.4	67.7	125.7
166	129.6	92.4	171.6



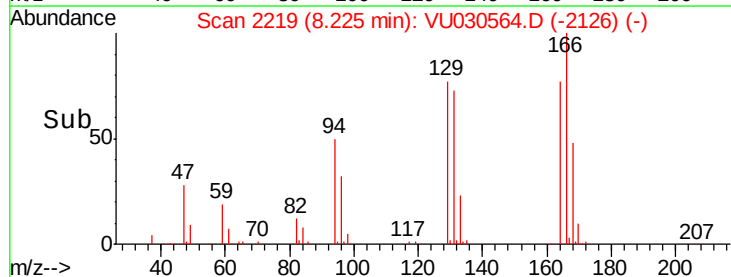
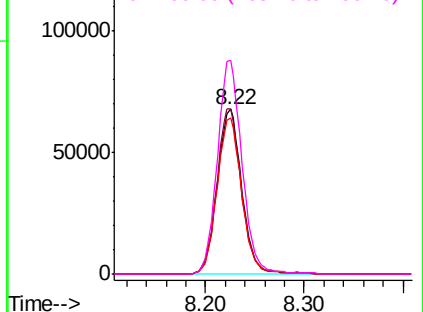
Abundance

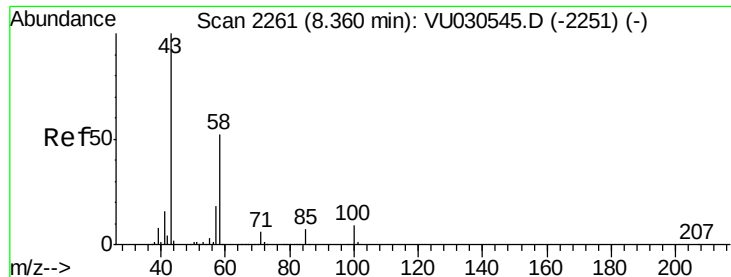
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

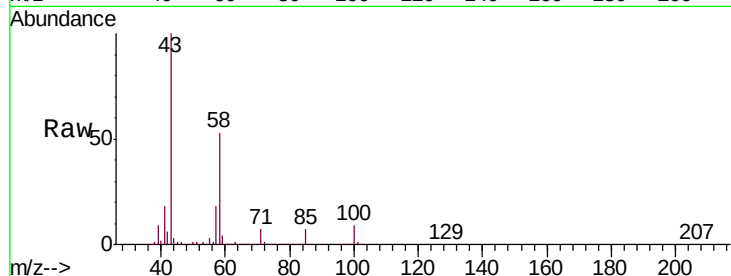




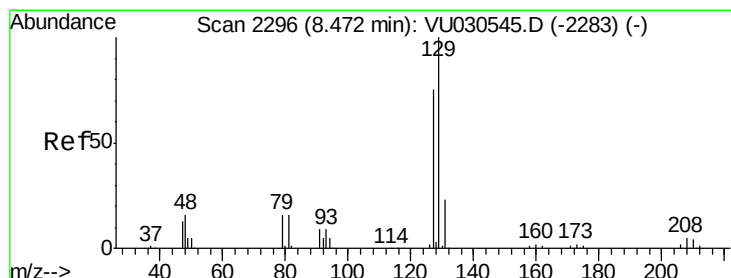
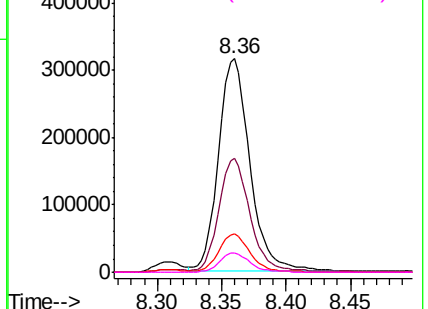
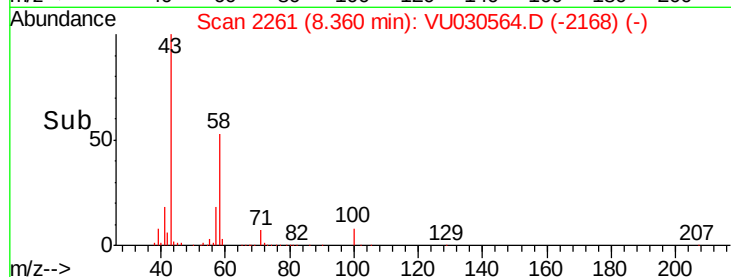
#48
2-Hexanone
Concen: 105.004 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion: 43 Resp: 531947
Ion Ratio Lower Upper
43 100
58 53.9 42.5 63.7
57 17.8 15.0 22.6
100 9.2 7.4 11.2

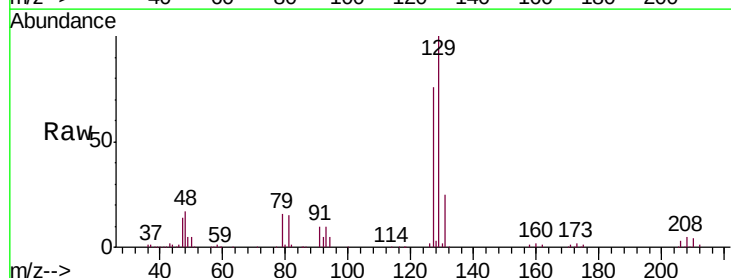


Abundance Ion 43.00 (42.70 to 43.70): VU0
500000 Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

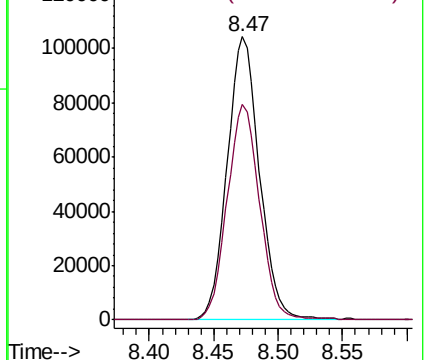
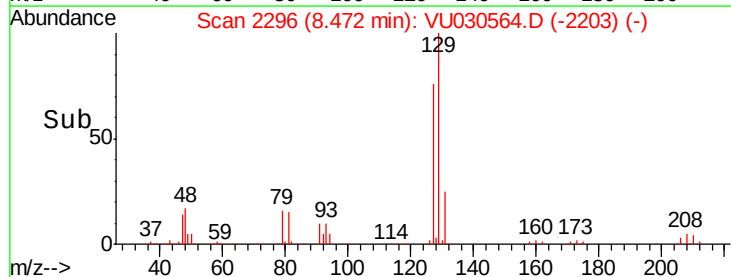


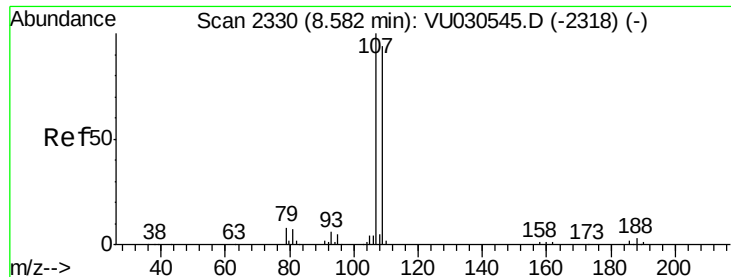
#49
Dibromochloromethane
Concen: 56.196 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

Tgt Ion: 129 Resp: 181555
Ion Ratio Lower Upper
129 100
127 76.1 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V
120000 Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 54.807 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

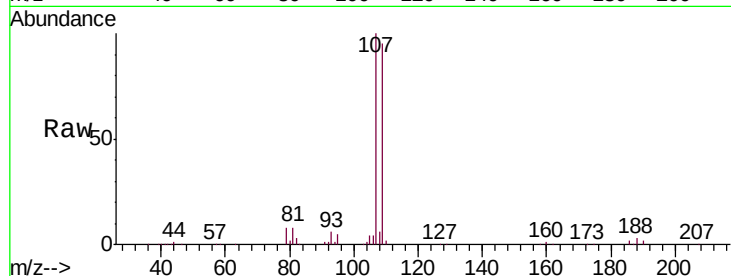
Tgt Ion:107 Resp: 182888

Ion Ratio Lower Upper

107 100

109 94.8 65.8 122.2

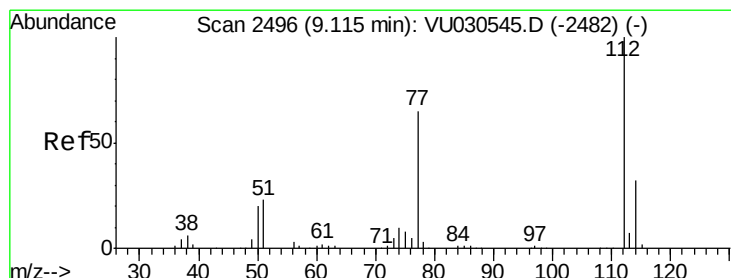
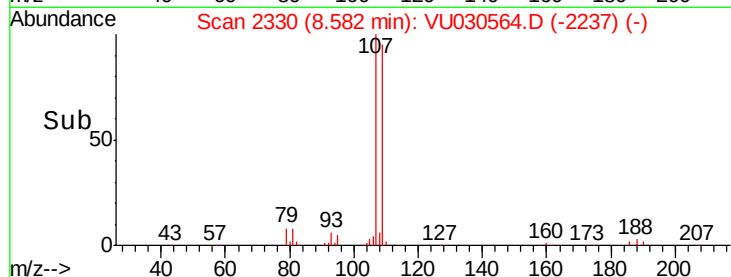
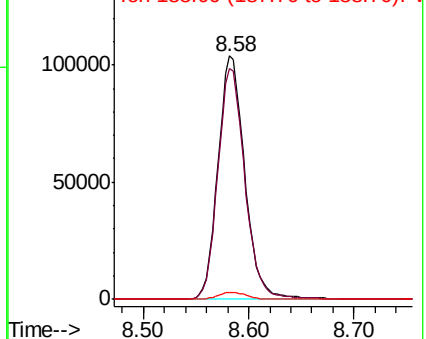
188 2.8 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 53.433 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

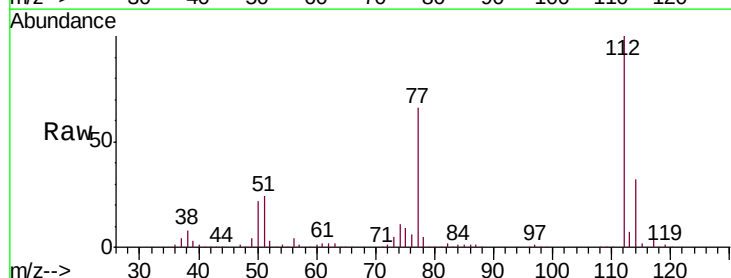
Tgt Ion:112 Resp: 435804

Ion Ratio Lower Upper

112 100

114 32.1 21.5 39.9

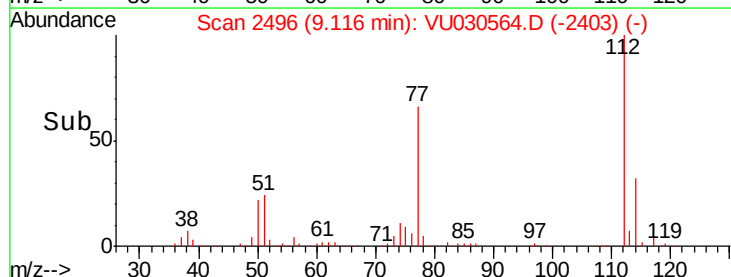
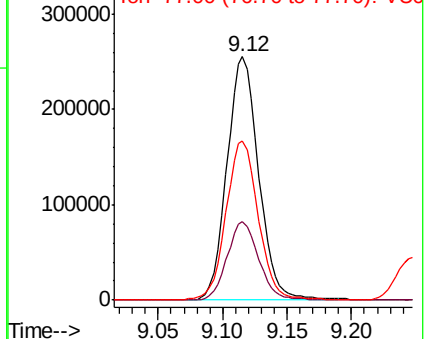
77 65.5 51.4 77.0

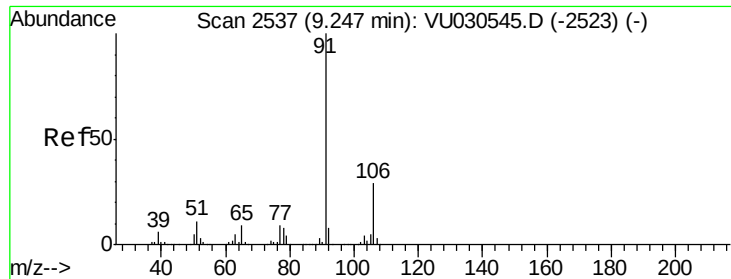


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

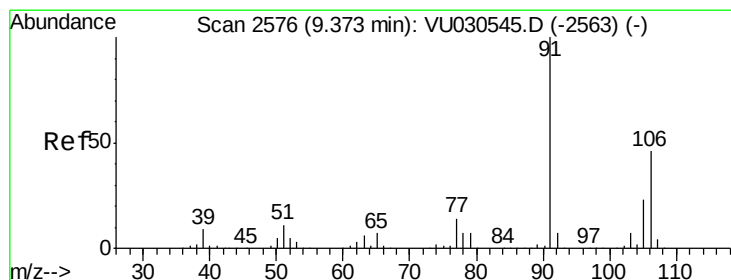
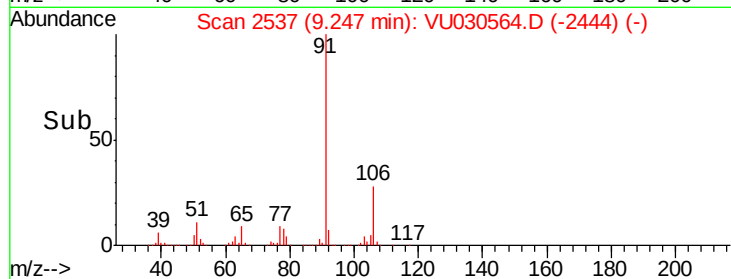
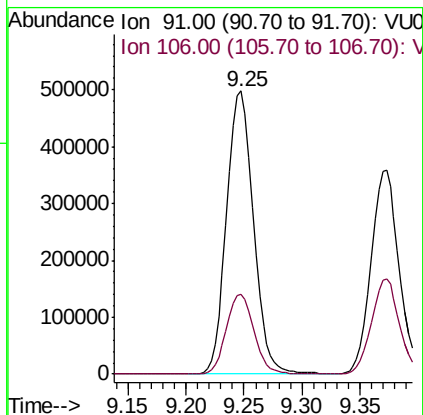
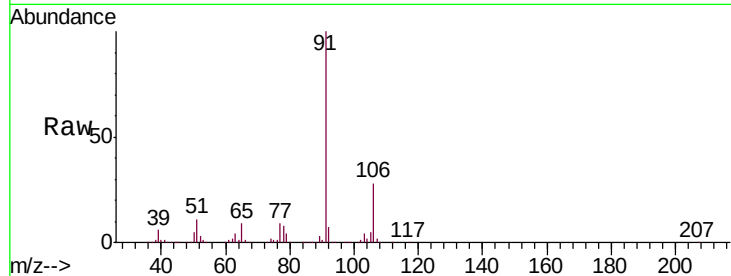




#52
Ethylbenzene
Concen: 54.839 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

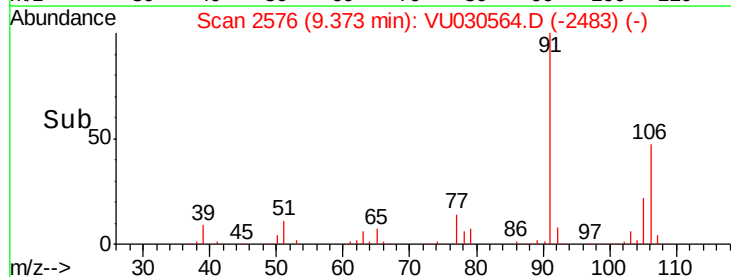
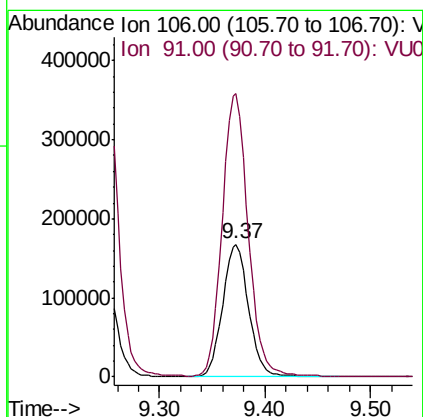
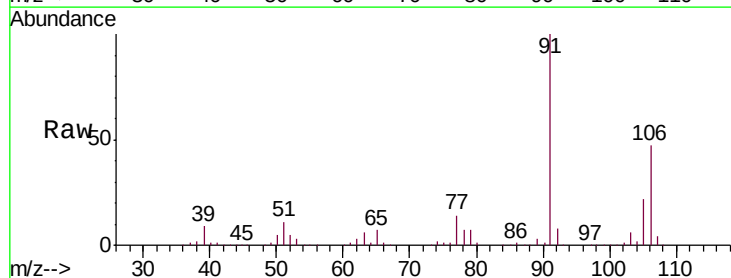
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

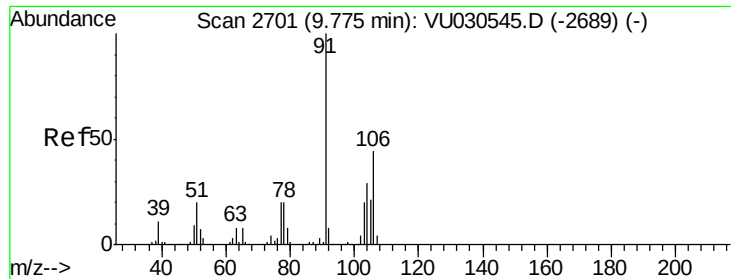
Tgt Ion: 91 Resp: 799453
Ion Ratio Lower Upper
91 100
106 28.2 20.6 38.2



#53
m,p-Xylene
Concen: 53.916 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

Tgt Ion: 106 Resp: 283801
Ion Ratio Lower Upper
106 100
91 213.0 151.2 280.8

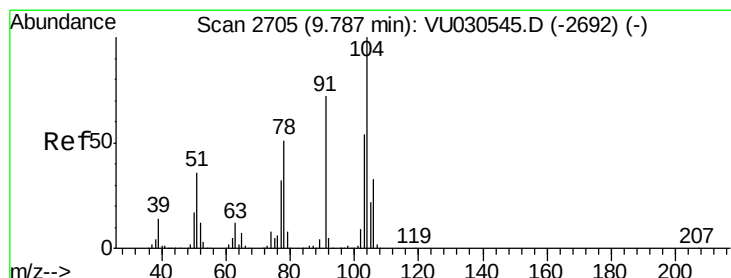
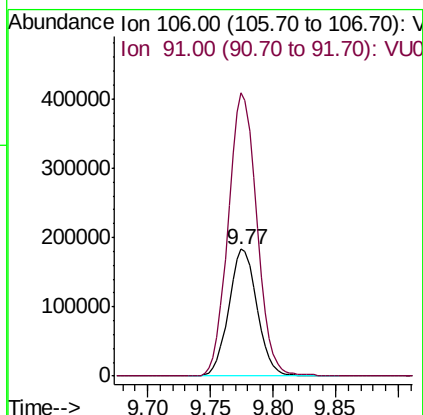
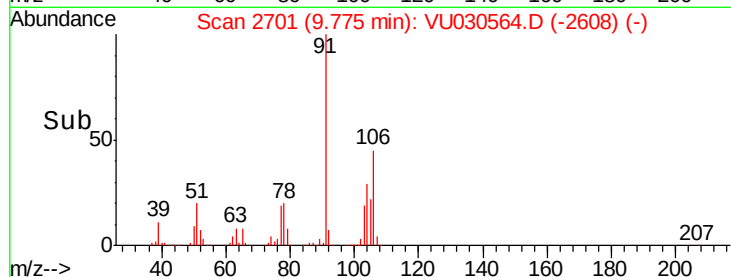
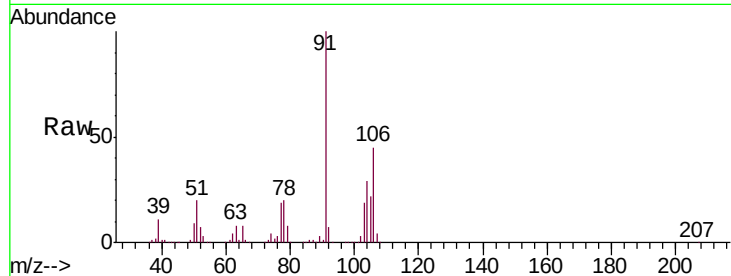




#54
o-xylene
Concen: 56.177 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

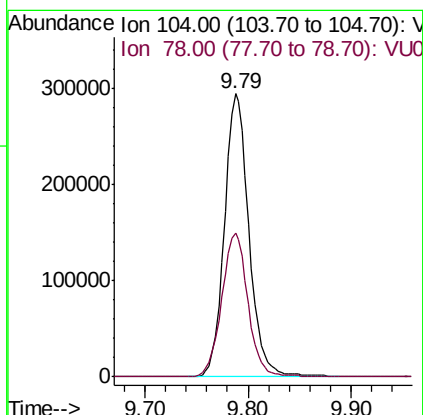
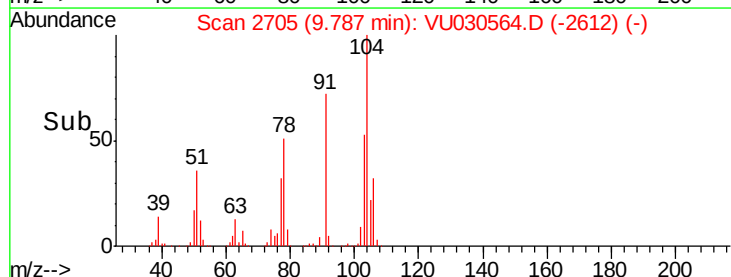
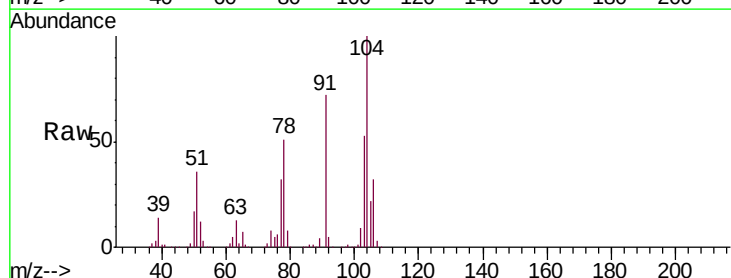
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

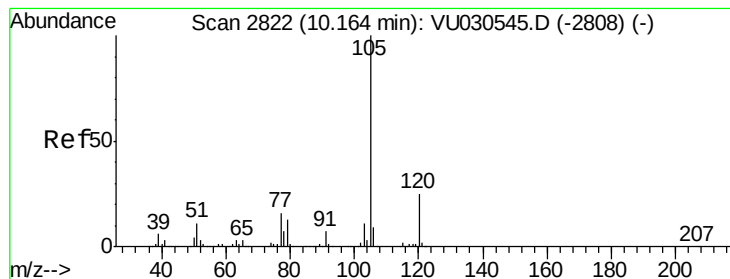
Tgt Ion:106 Resp: 288531
Ion Ratio Lower Upper
106 100
91 223.1 159.6 296.4



#55
Styrene
Concen: 55.239 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030564.D
Acq: 30 Mar 2019 00:52

Tgt Ion:104 Resp: 488718
Ion Ratio Lower Upper
104 100
78 51.0 35.1 65.3





#56

Isopropylbenzene

Concen: 54.585 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

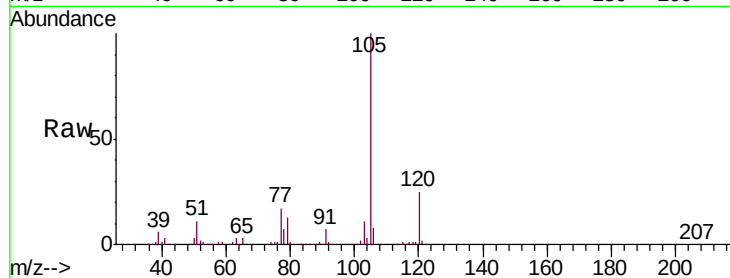
Tgt Ion: 105 Resp: 742339

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

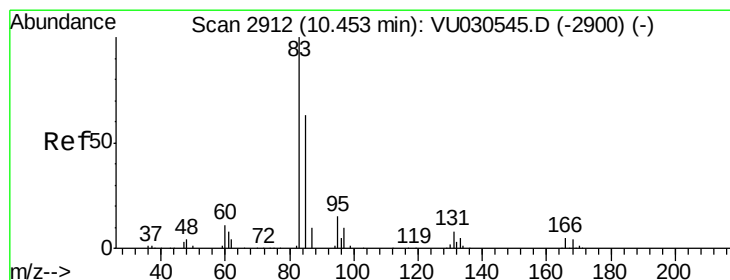
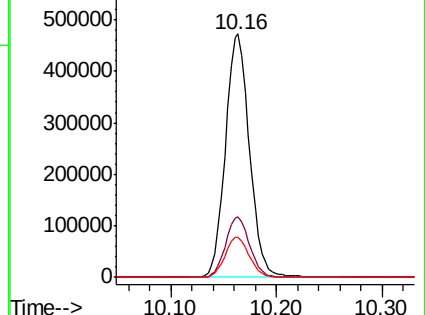
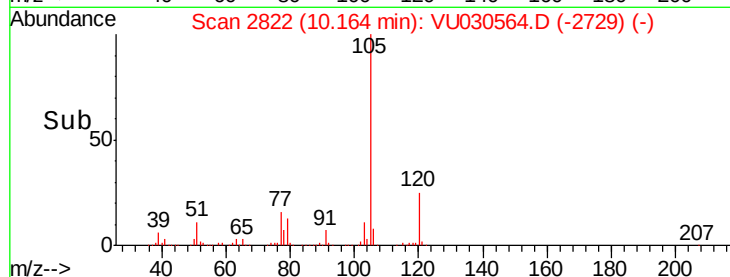
77 16.8 13.2 19.8



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: 55.715 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

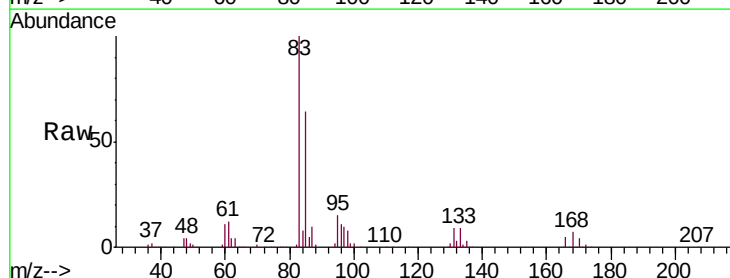
Tgt Ion: 83 Resp: 319274

Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

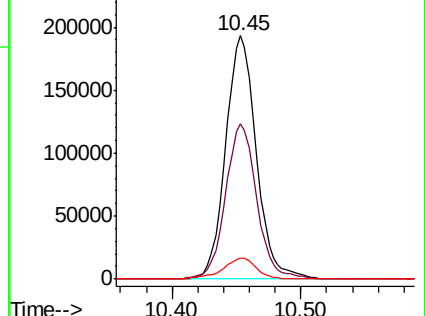
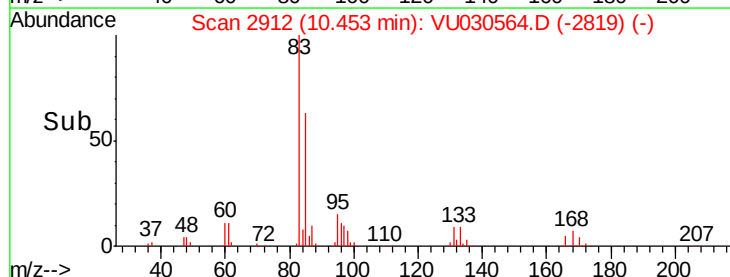
131 8.8 6.7 10.1

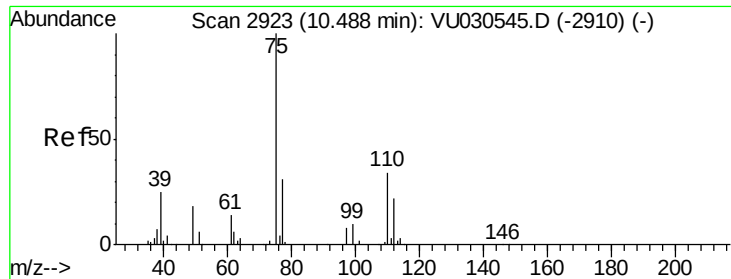


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

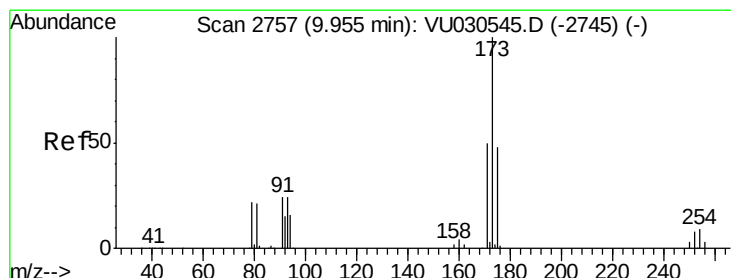
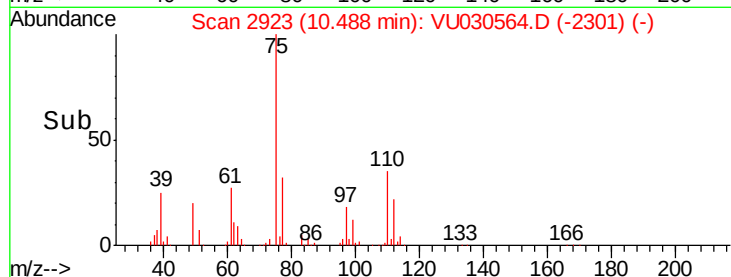
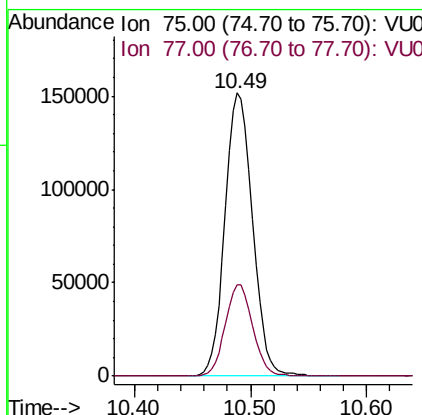
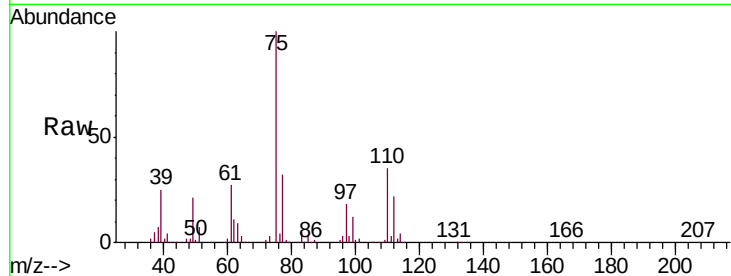




#59
 1,2,3-Trichloropropane
 Concen: 55.668 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

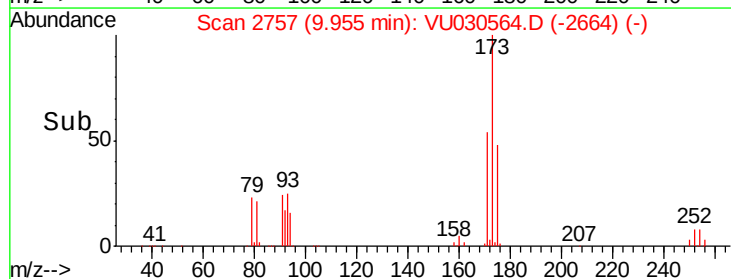
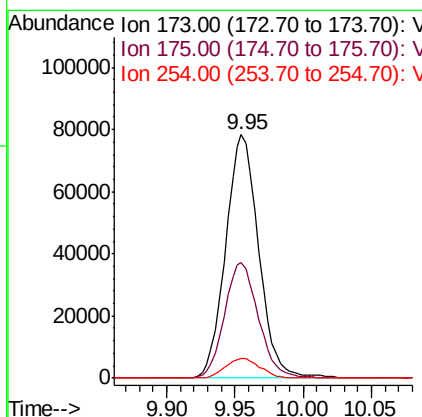
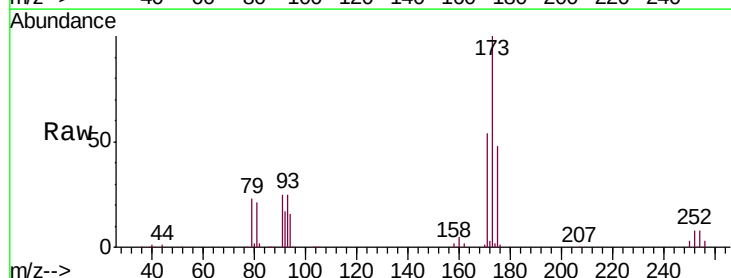
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

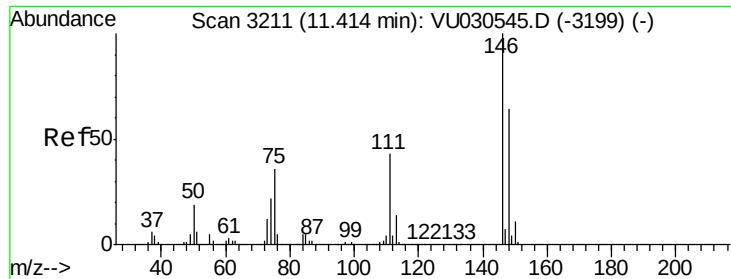
Tgt Ion: 75 Resp: 249343
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#61
 Bromoform
 Concen: 57.651 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 173 Resp: 131662
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.5 57.7
 254 8.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 53.572 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampled :

VSTD05041

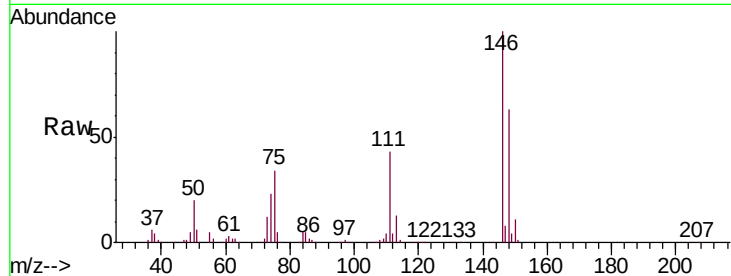
Tgt Ion:146 Resp: 300927

Ion Ratio Lower Upper

146 100

111 42.6 29.2 54.2

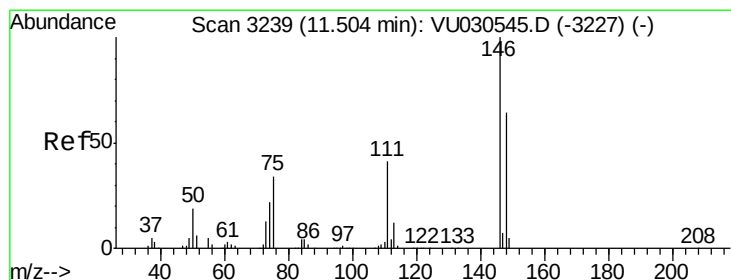
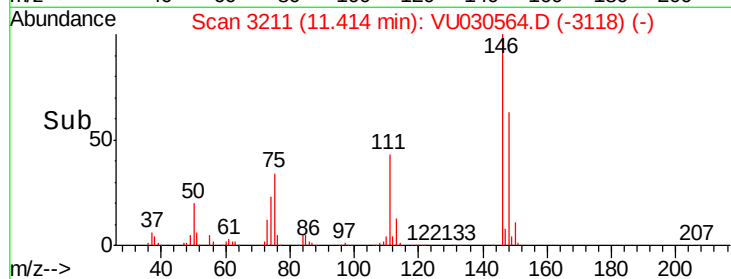
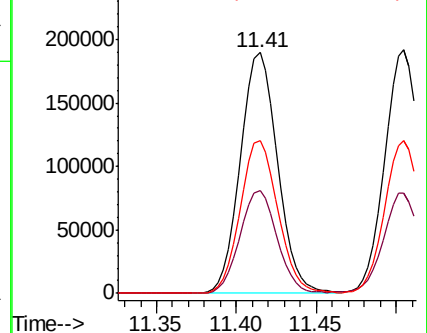
148 63.4 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.840 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

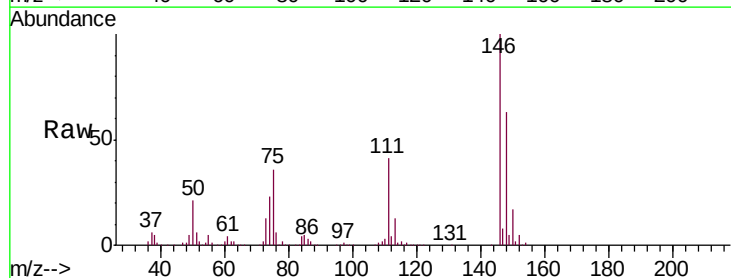
Tgt Ion:146 Resp: 305563

Ion Ratio Lower Upper

146 100

111 41.1 28.7 53.3

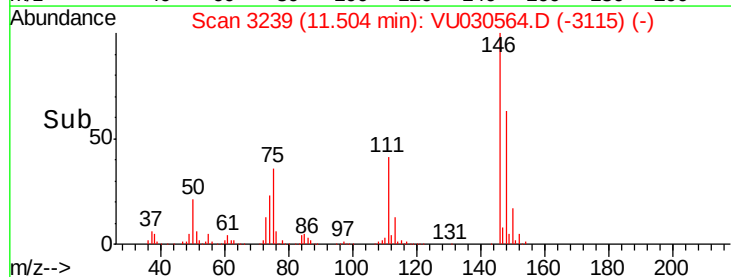
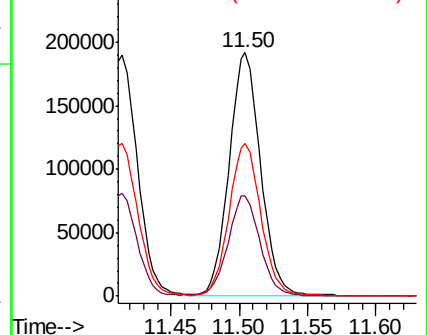
148 62.5 44.3 82.3

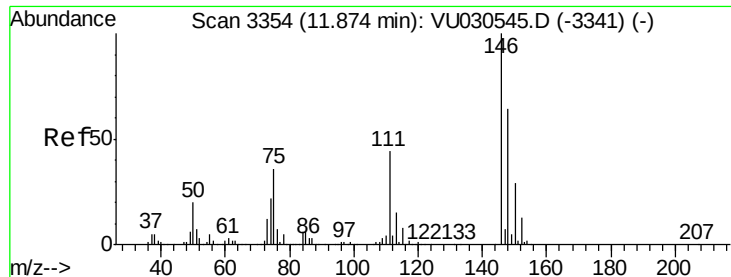


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

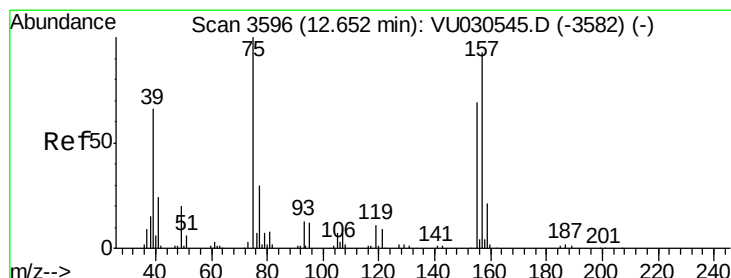
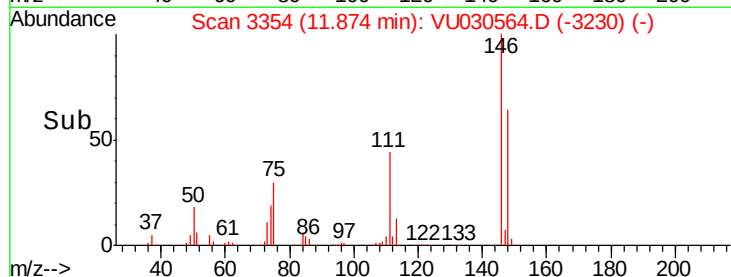
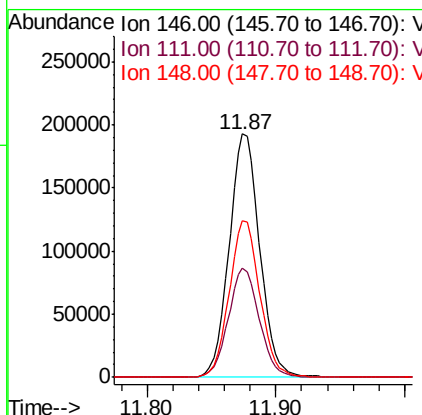
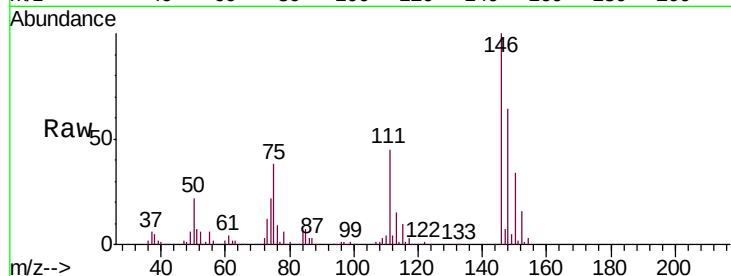




#65
 1,2-Dichlorobenzene
 Concen: 55.553 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

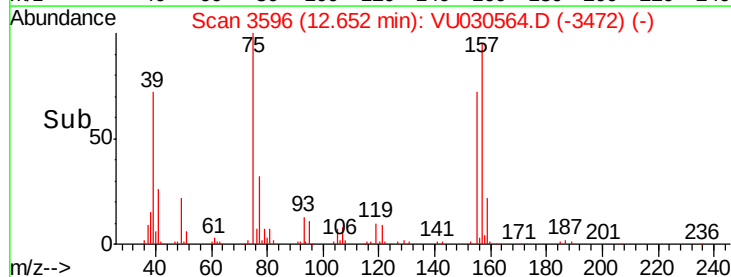
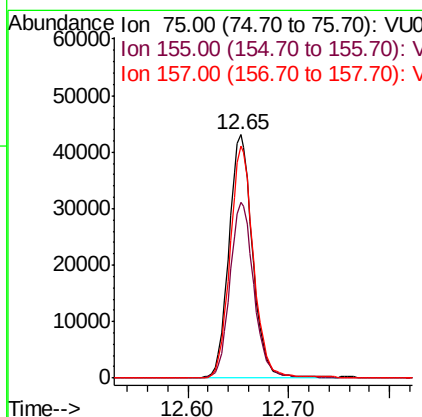
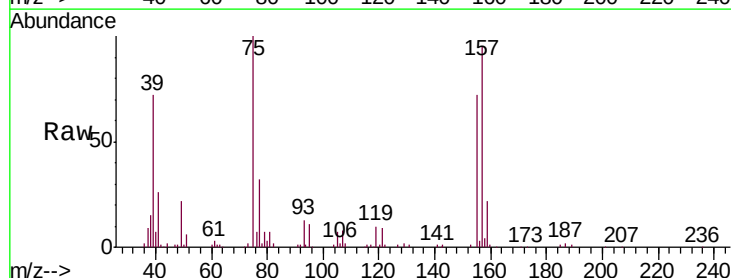
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05041

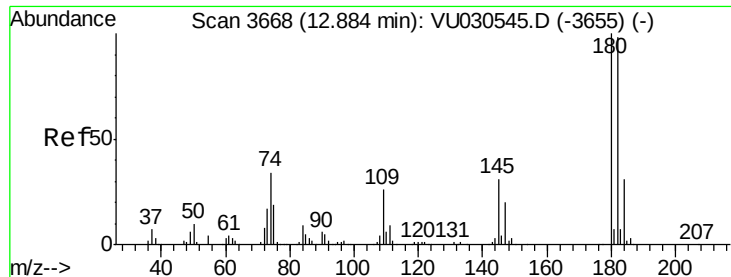
Tgt Ion:146 Resp: 315538
 Ion Ratio Lower Upper
 146 100
 111 44.8 34.9 52.3
 148 64.3 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.789 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion: 75 Resp: 70558
 Ion Ratio Lower Upper
 75 100
 155 72.2 61.8 92.6
 157 95.4 80.2 120.4

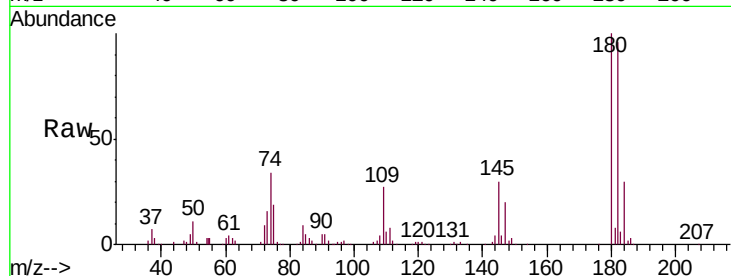




#67
 1,3,5-Trichlorobenzene
 Concen: 51.169 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
184	30.3	24.1	36.1
145	29.9	23.8	35.8



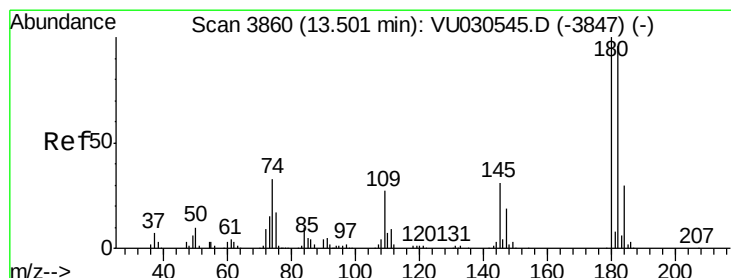
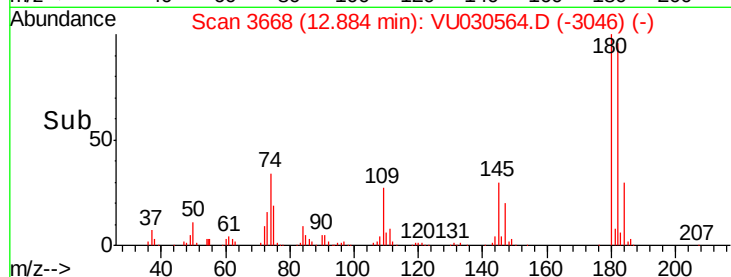
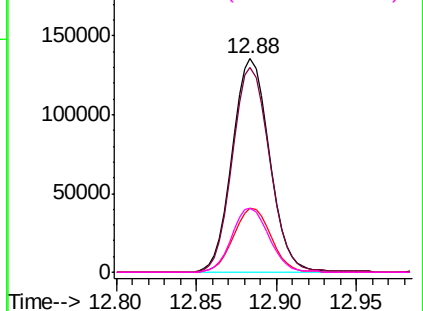
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

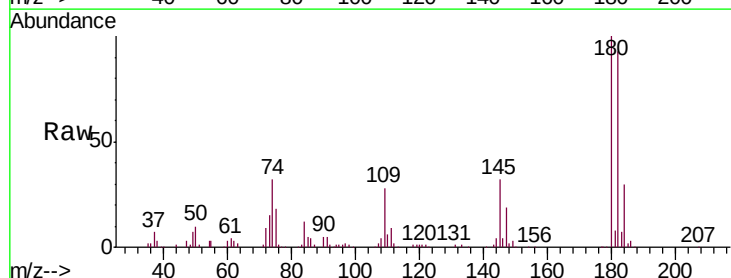
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.570 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030564.D
 Acq: 30 Mar 2019 00:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	31.5	24.5	36.7

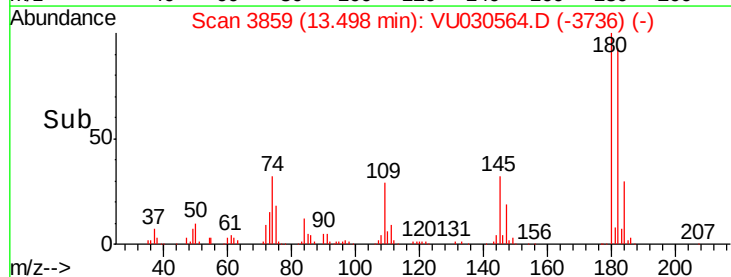
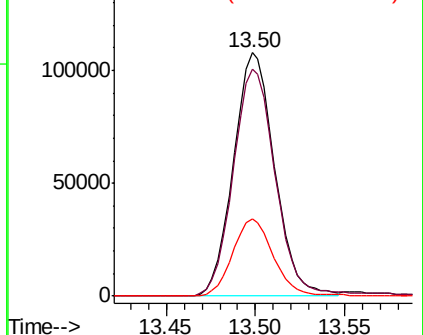


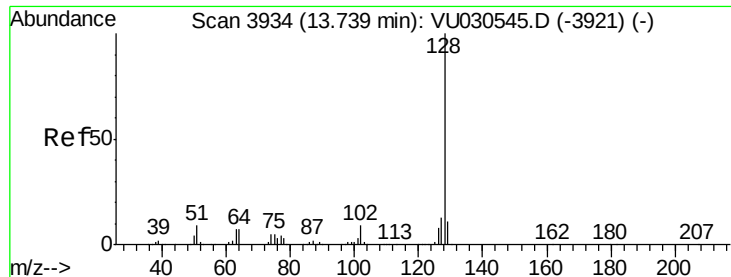
Abundance

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: 45.787 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

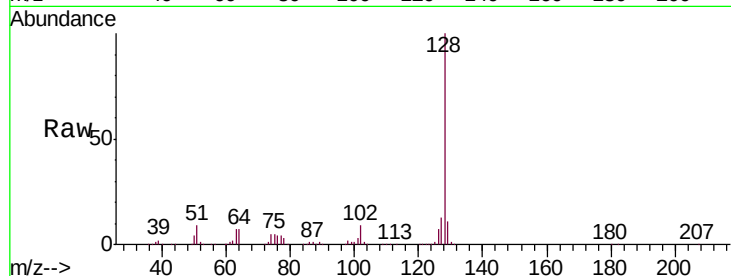
Tgt Ion:128 Resp: 594879

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

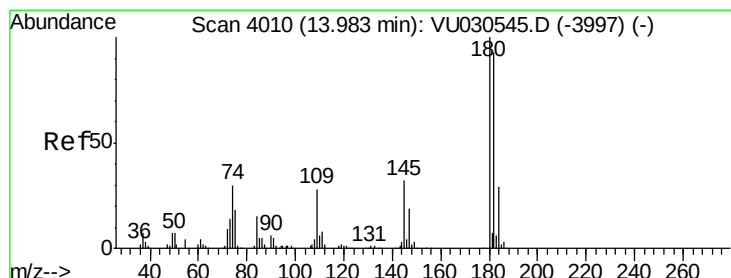
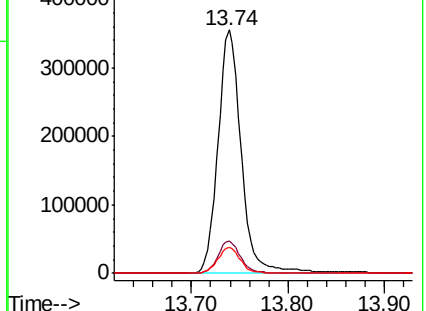
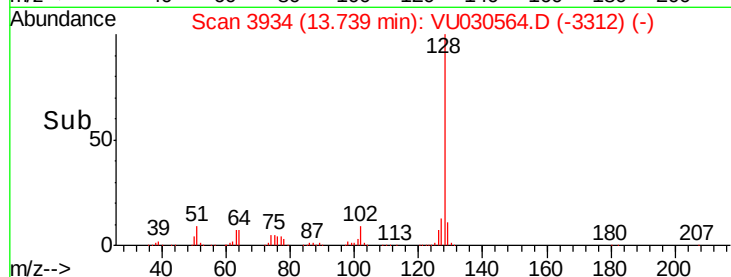
129 10.4 8.4 12.6



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



#70

1,2,3-Trichlorobenzene

Concen: 49.774 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030564.D

Acq: 30 Mar 2019 00:52

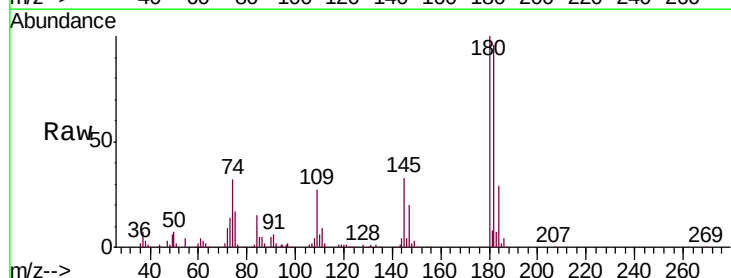
Tgt Ion:180 Resp: 192040

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 32.2 25.9 38.9



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

