

Data File : VV009843.D
Acq On : 22 Mar 2019 21:59
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Quant Time: Mar 23 03:59:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 23 03:53:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	91273	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	96068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46935	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54842	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.58	69	52201	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.13	63	136154	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.98	46	68383	53.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.40	84	59668	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.09	65	29774	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.10	84	117579	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.12	67	33934	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	114443	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	11767	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	57887	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28334	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	40387	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	39676	4.819 ug/L	97
3) Chloromethane	1.25	50	63285	5.260 ug/L	97
5) Vinyl chloride	1.32	62	68524	5.174 ug/L	96
6) Bromomethane	1.54	94	46008	5.683 ug/L	100
8) Chloroethane	1.60	64	49118	5.344 ug/L	99
9) Trichlorofluoromethane	1.77	101	151959	5.486 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72665	5.302 ug/L	95
12) 1,1-Dichloroethene	2.14	96	67731	5.565 ug/L	91
13) Acetone	2.22	43	94416	57.098 ug/L #	52
14) Carbon disulfide	2.32	76	171397	5.093 ug/L	98
15) Methyl Acetate	2.47	43	24649	6.275 ug/L	99
16) Methylene chloride	2.54	84	68484	4.976 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	155133	5.518 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	71212	5.445 ug/L	89
19) 1,1-Dichloroethane	3.23	63	126911	5.589 ug/L	99
21) 2-Butanone	4.06	43	67370	51.855 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	31794	5.025 ug/L	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	13230	5.158	ug/L	92
25) Chloroform	4.43	83	57400	5.189	ug/L	97
27) 1,2-Dichloroethane	5.18	62	35483	5.271	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	48339	4.662	ug/L	96
30) Cyclohexane	4.72	56	47115	4.384	ug/L	98
31) Carbon tetrachloride	4.87	117	41998	4.704	ug/L	98
33) Benzene	5.15	78	128991	4.781	ug/L	100
34) Trichloroethene	5.96	95	32898	4.820	ug/L	97
35) Methylcyclohexane	6.17	83	49330	4.223	ug/L	99
37) 1,2-Dichloropropane	6.22	63	30343	4.499	ug/L #	97
38) Bromodichloromethane	6.56	83	37204	4.665	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	37366	4.096	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	189816	48.165	ug/L	95
42) Toluene	7.43	91	141534	4.636	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	31520	4.321	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	22661	4.936	ug/L	98
47) Tetrachloroethene	8.02	164	25417	4.312	ug/L	97
48) 2-Hexanone	8.19	43	137380	49.549	ug/L	96
49) Dibromochloromethane	8.29	129	23907	4.505	ug/L	91
50) 1,2-Dibromoethane	8.40	107	20246	4.722	ug/L	99
51) Chlorobenzene	8.93	112	88585	4.532	ug/L	96
52) Ethylbenzene	9.06	91	152982	4.548	ug/L	97
53) m,p-xylene	9.18	106	57084	4.466	ug/L	99
54) o-xylene	9.59	106	56023	4.487	ug/L	96
55) Styrene	9.60	104	97164	4.786	ug/L	99
56) Isopropylbenzene	9.98	105	150477	4.564	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	27921	4.909	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	18524	4.728	ug/L	99
61) Bromoform	9.78	173	10517	4.237	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	65929	4.414	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	69031	4.568	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	65048	4.628	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	2420	3.219	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	48754	4.312	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	37229	4.392	ug/L	93
69) Naphthalene	13.55	128	56871	4.273	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36860	4.685	ug/L	96

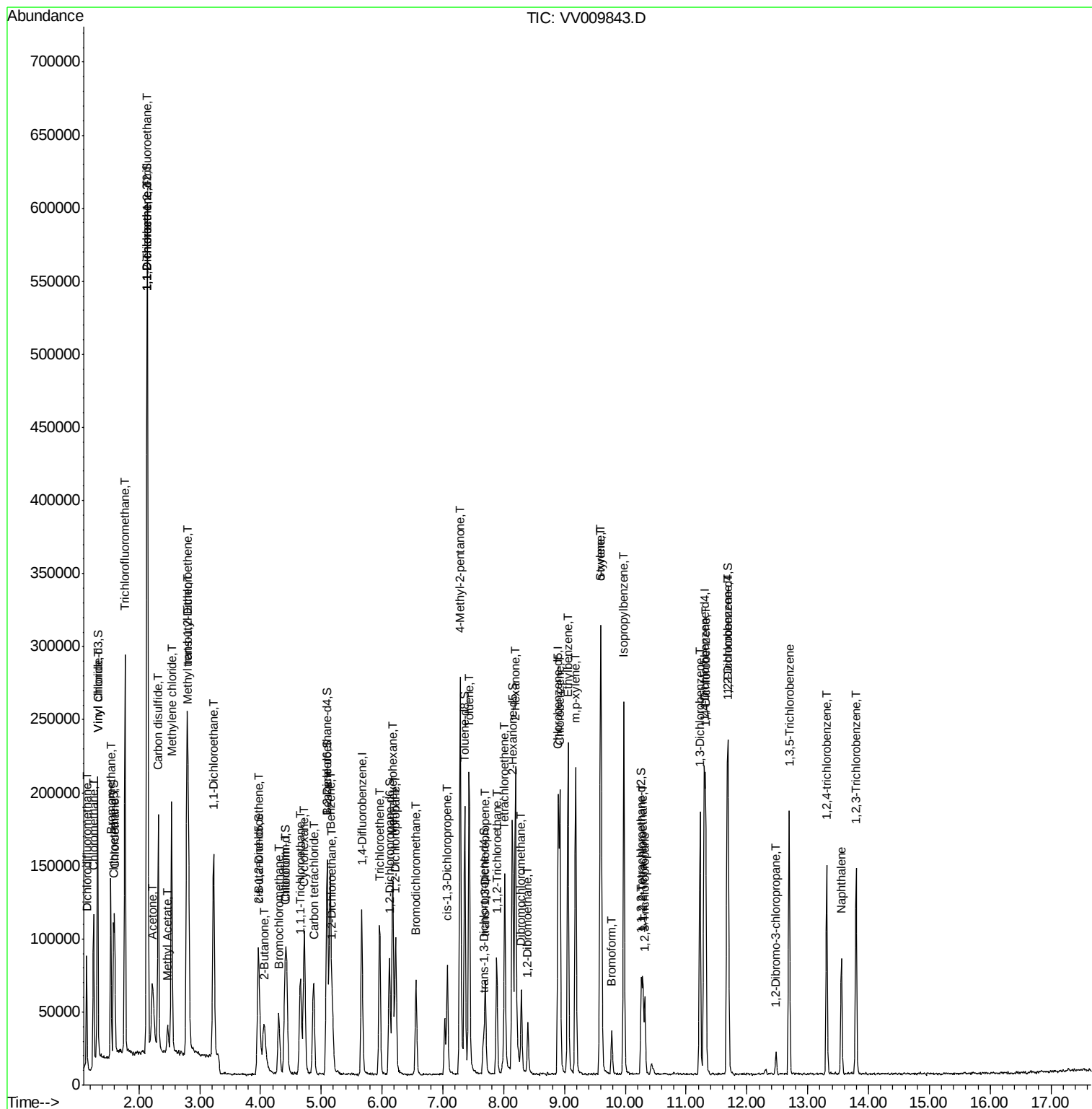
(#) = qualifier out of range (m) = manual integration (+) = signals summed

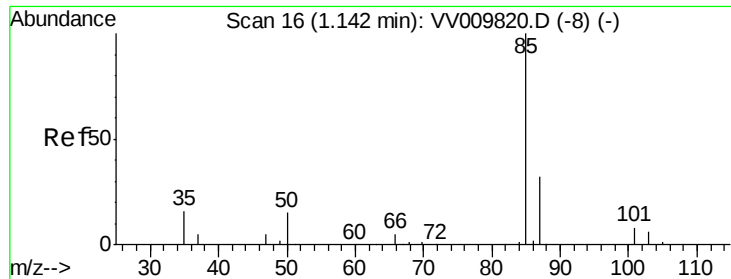
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#2

Dichlorodifluoromethane

Concen: 4.819 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

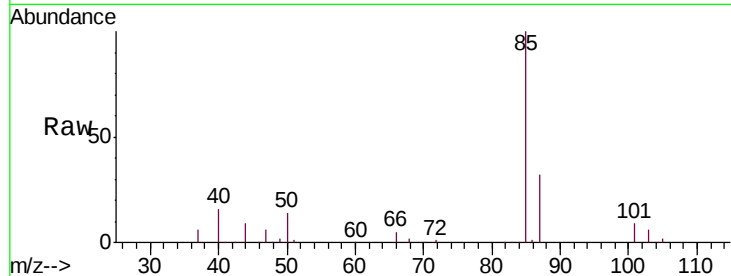
VSTD00540

Tgt Ion: 85 Resp: 39676

Ion Ratio Lower Upper

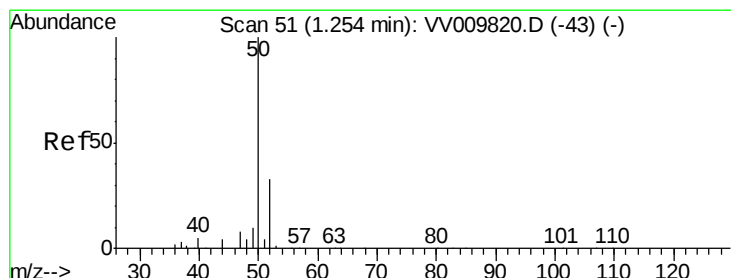
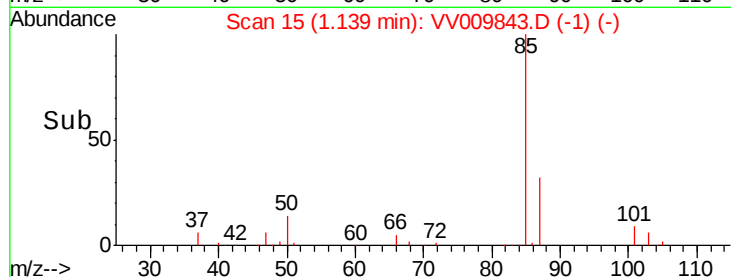
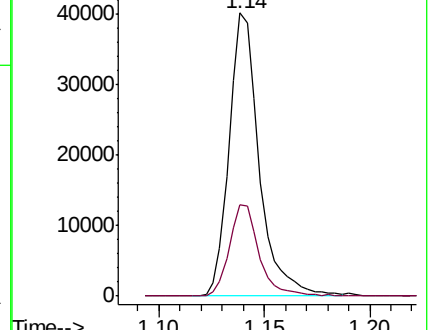
85 100

87 31.9 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009820.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009820.D (-8) (-)



#3

Chloromethane

Concen: 5.260 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009843.D

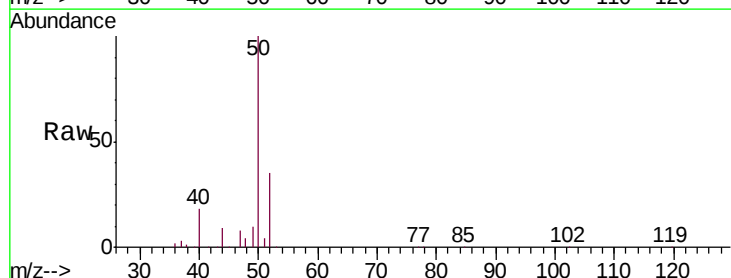
Acq: 22 Mar 2019 21:59

Tgt Ion: 50 Resp: 63285

Ion Ratio Lower Upper

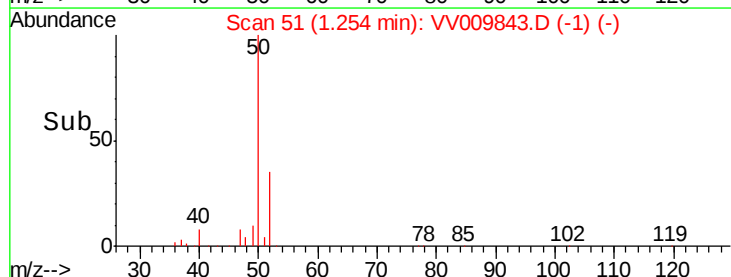
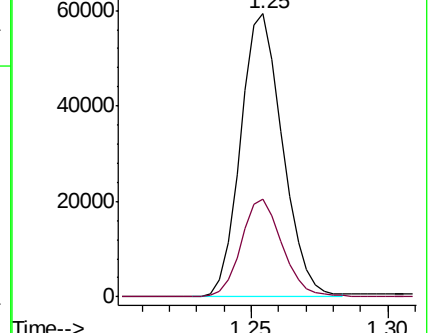
50 100

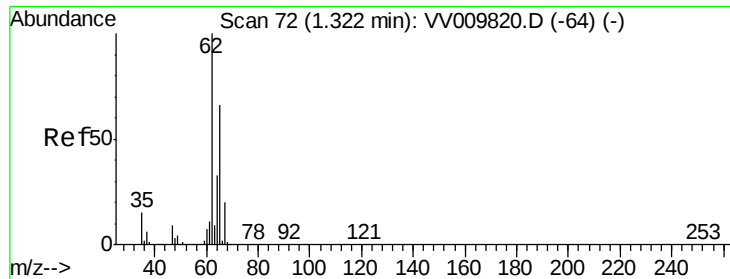
52 34.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009820.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV009820.D (-43) (-)





#5

Vinyl chloride

Concen: 5.174 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

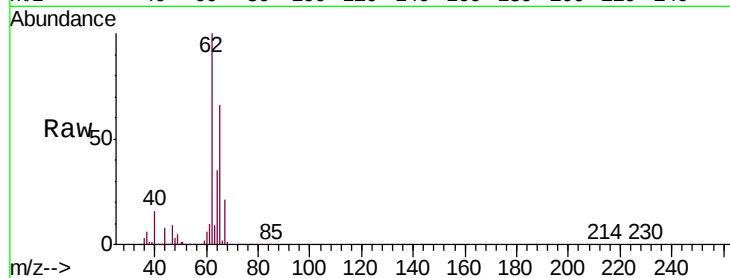
VSTD00540

Tgt Ion: 62 Resp: 68524

Ion Ratio Lower Upper

62 100

64 35.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009820.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009843.D (-1) (-)

1.32

80000

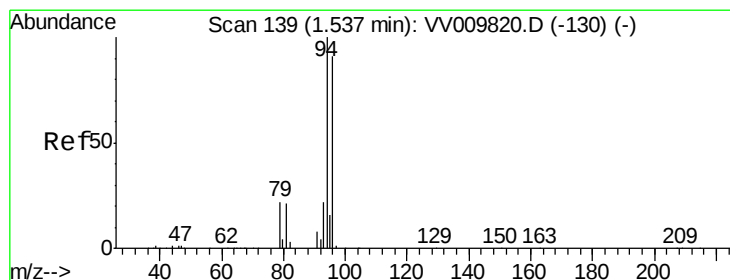
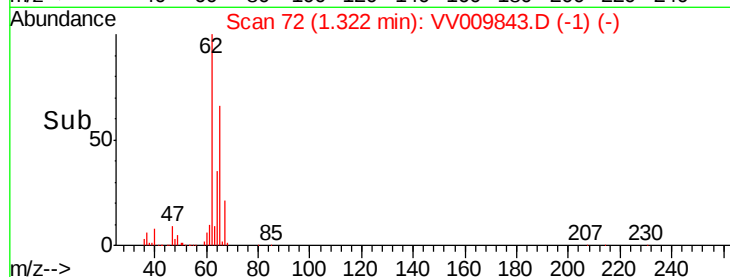
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 5.683 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009843.D

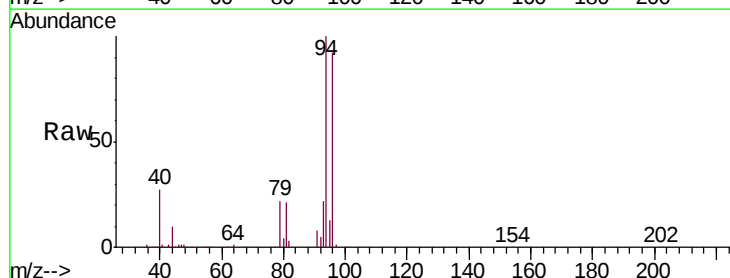
Acq: 22 Mar 2019 21:59

Tgt Ion: 94 Resp: 46008

Ion Ratio Lower Upper

94 100

96 92.4 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009820.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009843.D (-46) (-)

1.54

50000

40000

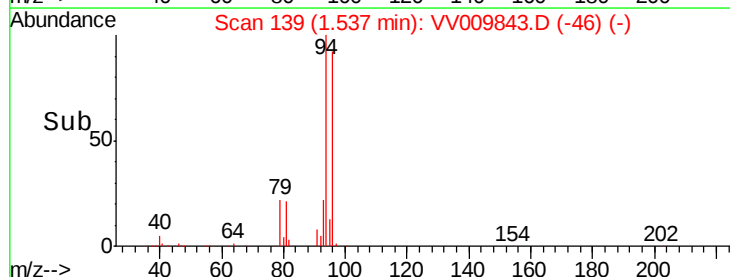
30000

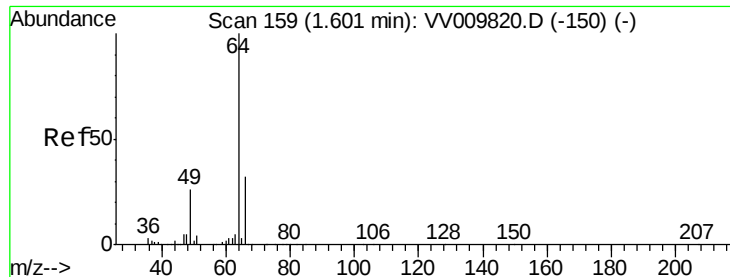
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.344 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

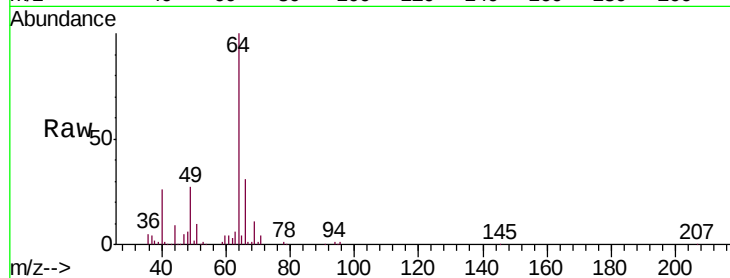
VSTD00540

Tgt Ion: 64 Resp: 49118

Ion Ratio Lower Upper

64 100

66 31.4 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009820.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV009820.D (-150) (-)

1.60

40000

30000

20000

10000

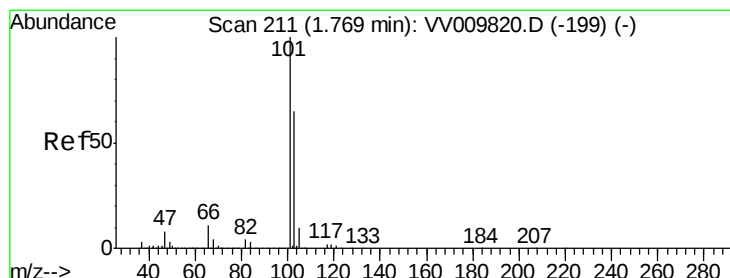
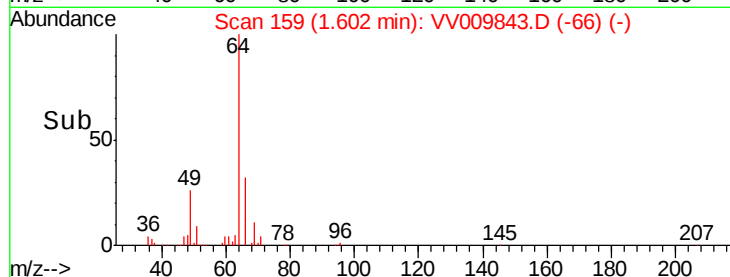
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.486 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV009843.D

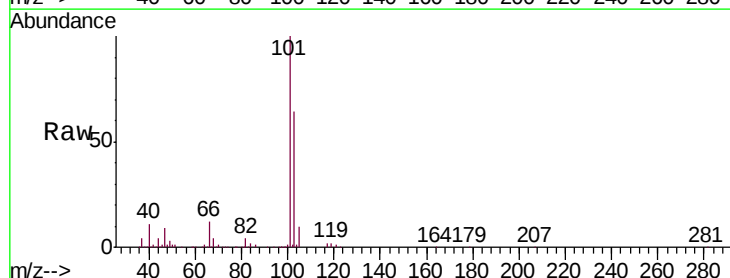
Acq: 22 Mar 2019 21:59

Tgt Ion: 101 Resp: 151959

Ion Ratio Lower Upper

101 100

103 64.7 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009820.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009820.D (-199) (-)

1.77

100000

50000

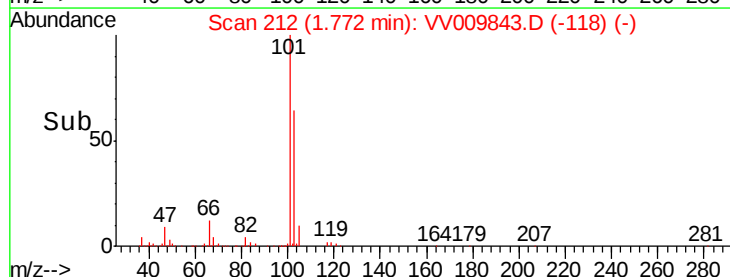
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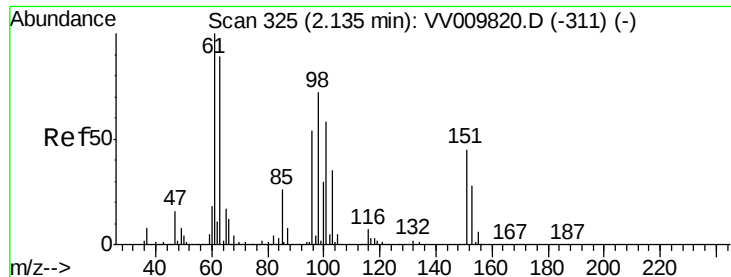
1.70

1.75

1.80

Time-->





#10

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

Concen: 5.302 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

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ClientSampleId :

VSTD00540

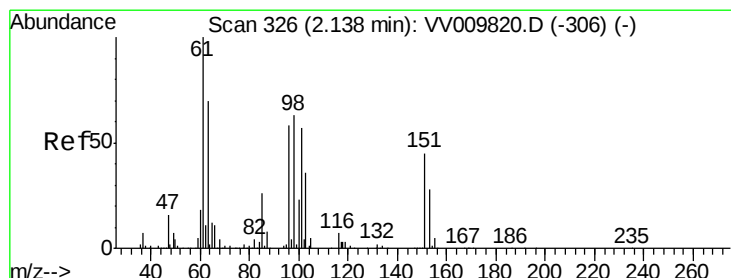
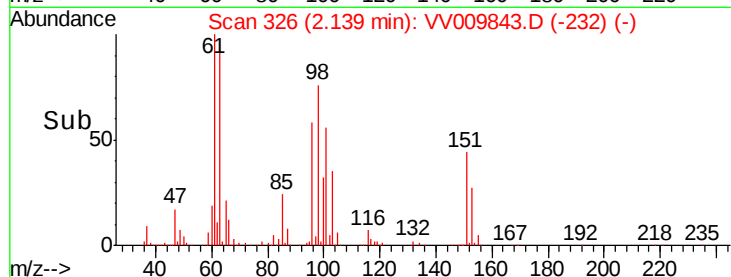
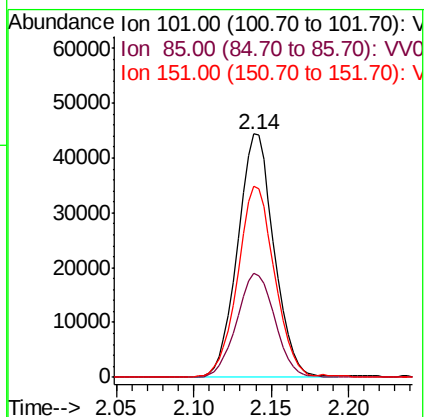
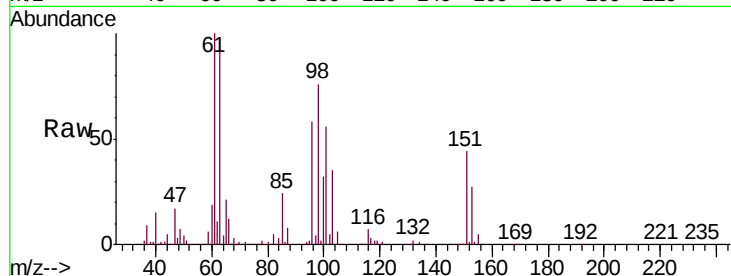
Tgt Ion: 101 Resp: 72665

Ion Ratio Lower Upper

101 100

85 44.6 39.2 58.8

151 79.5 61.1 91.7



#12

1,1-Dichloroethene

Concen: 5.565 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

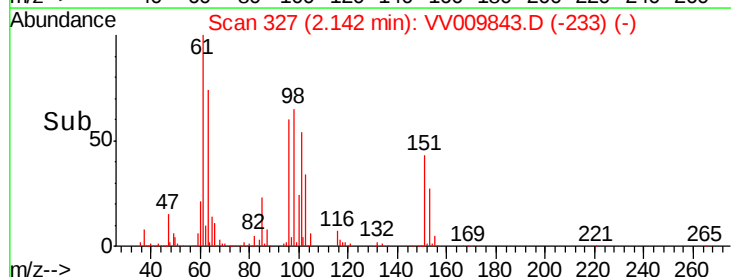
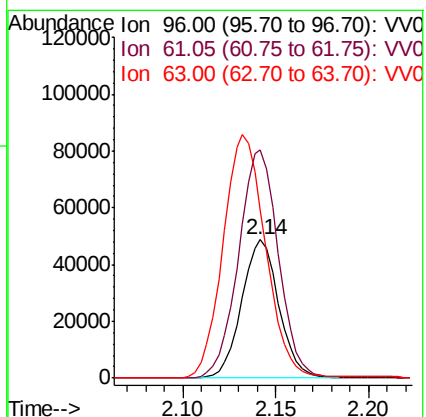
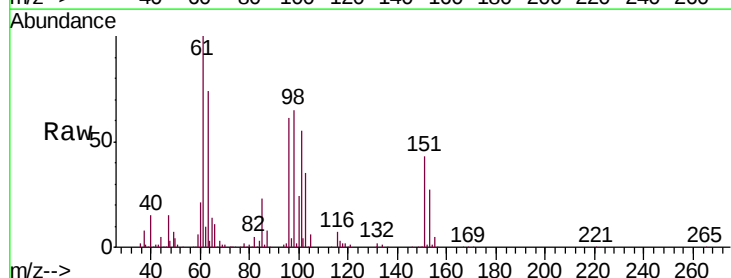
Tgt Ion: 96 Resp: 67731

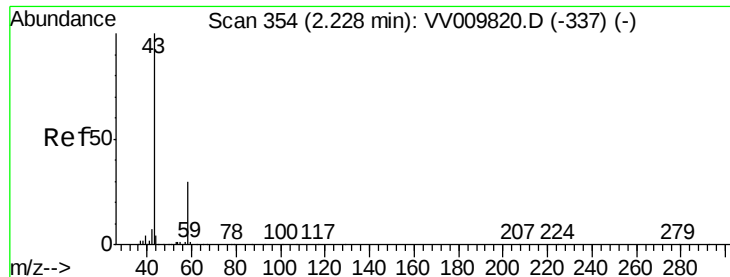
Ion Ratio Lower Upper

96 100

61 164.9 127.1 236.0

63 121.4 88.8 164.8





#13

Acetone

Concen: 57.098 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

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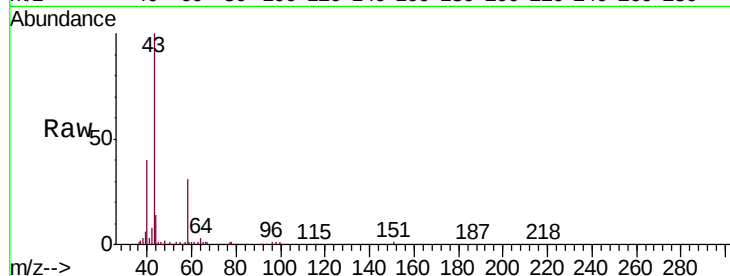
VSTD00540

Tgt Ion: 43 Resp: 94416

Ion Ratio Lower Upper

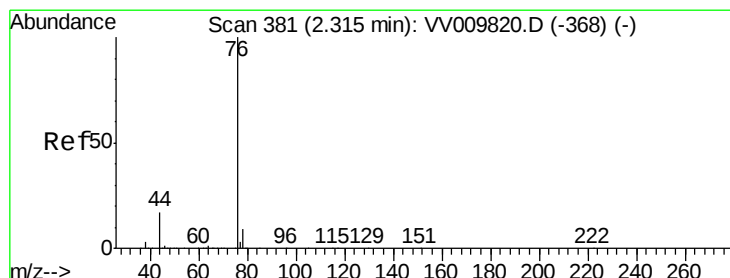
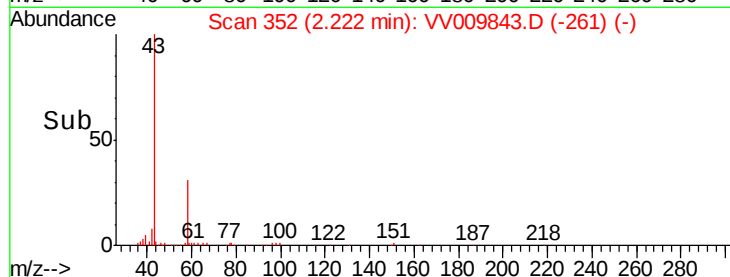
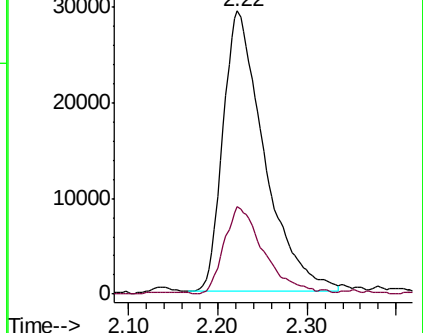
43 100

58 29.9 0.0 23.0#



Abundance Ion 43.05 (42.75 to 43.75): VV009820.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV009820.D (-337) (-)



#14

Carbon disulfide

Concen: 5.093 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009843.D

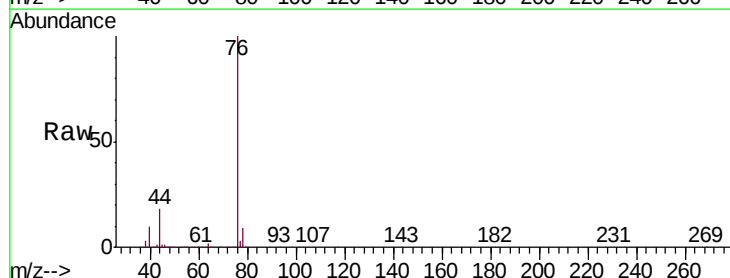
Acq: 22 Mar 2019 21:59

Tgt Ion: 76 Resp: 171397

Ion Ratio Lower Upper

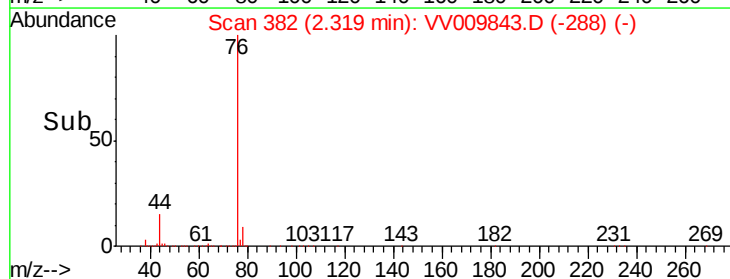
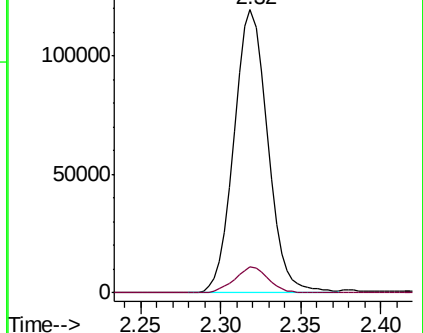
76 100

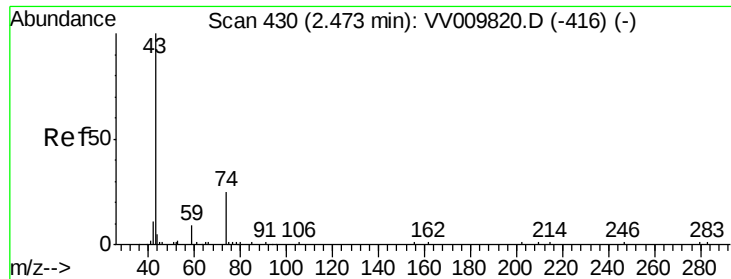
78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV009820.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009820.D (-368) (-)





#15

Methyl Acetate

Concen: 6.275 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

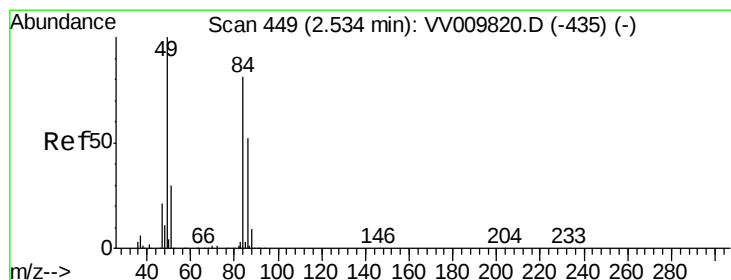
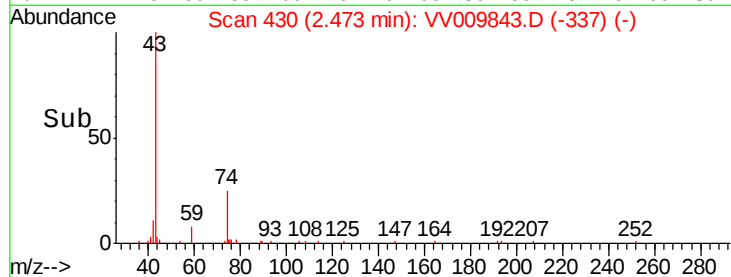
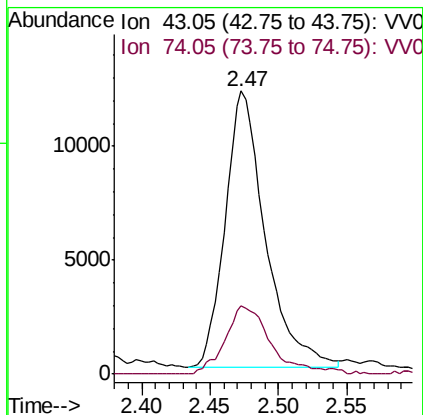
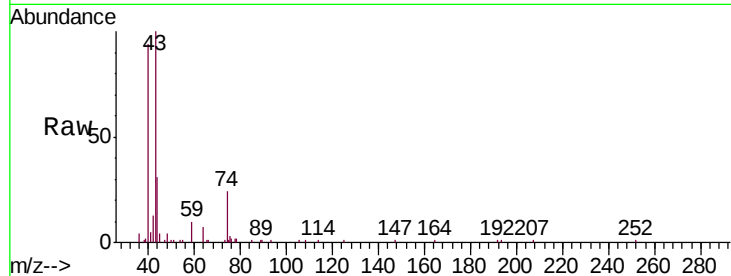
VSTD00540

Tgt Ion: 43 Resp: 24649

Ion Ratio Lower Upper

43 100

74 27.7 21.8 32.6



#16

Methylene chloride

Concen: 4.976 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

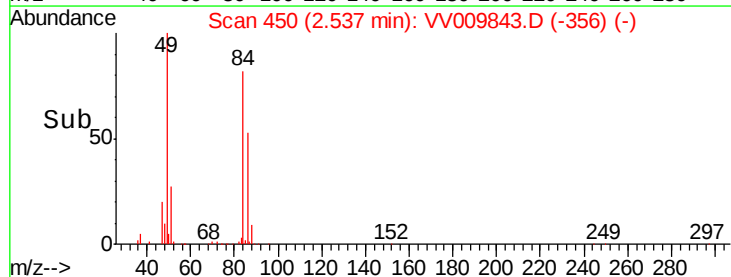
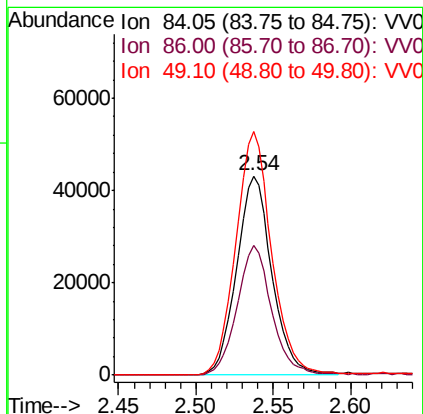
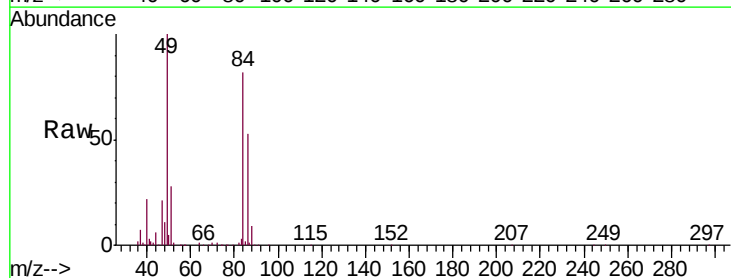
Tgt Ion: 84 Resp: 68484

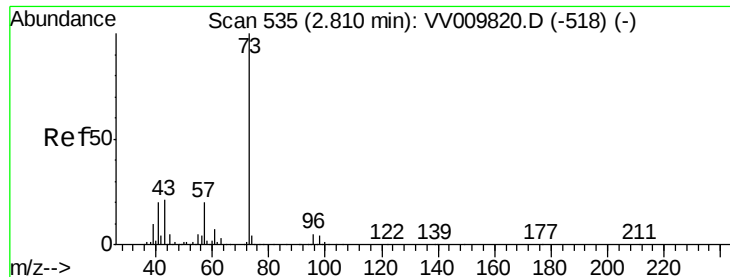
Ion Ratio Lower Upper

84 100

86 64.9 46.1 85.5

49 122.4 89.7 166.5





#17

Methyl tert-butyl Ether

Concen: 5.518 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

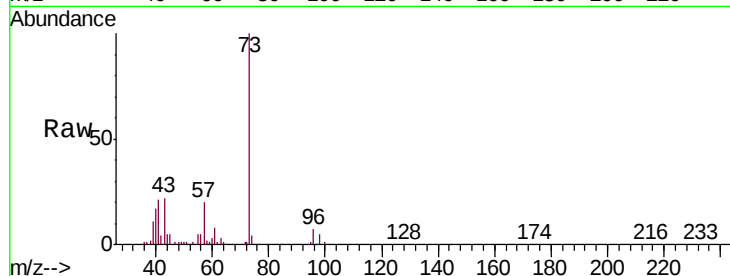
Tgt Ion: 73 Resp: 155133

Ion Ratio Lower Upper

73 100

43 22.0 17.2 25.8

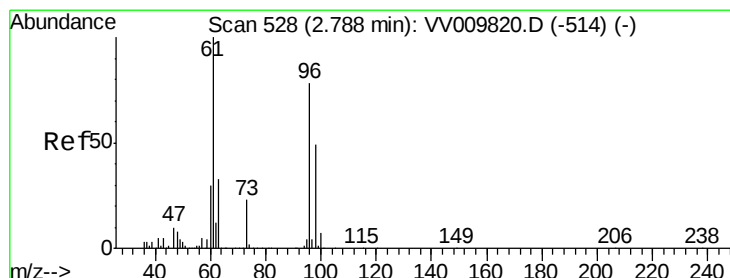
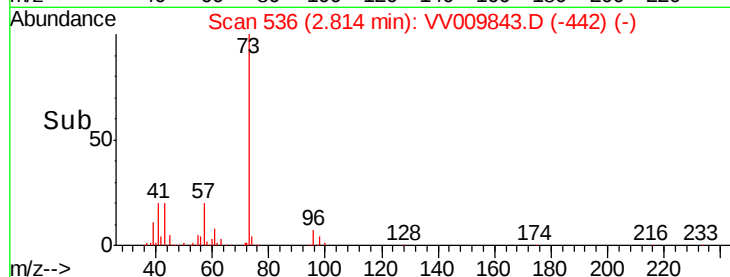
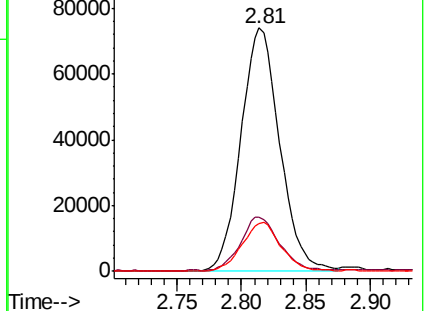
57 20.4 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV009843.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV009843.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV009843.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.445 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

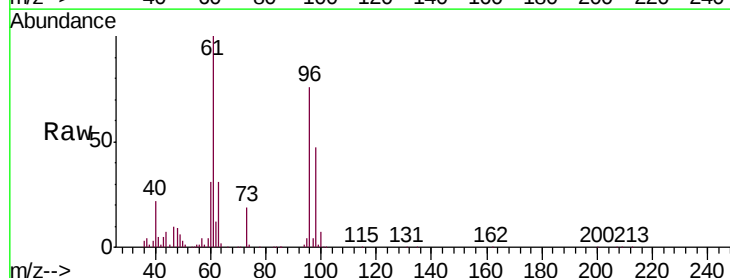
Tgt Ion: 96 Resp: 71212

Ion Ratio Lower Upper

96 100

61 131.4 103.9 192.9

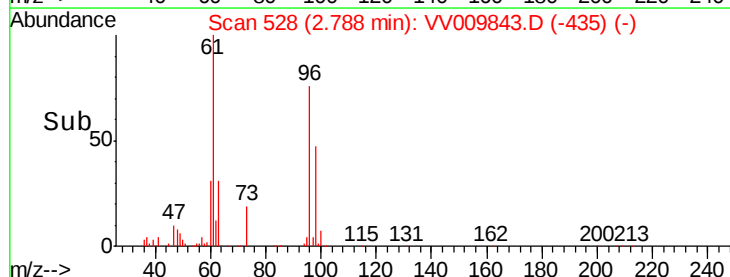
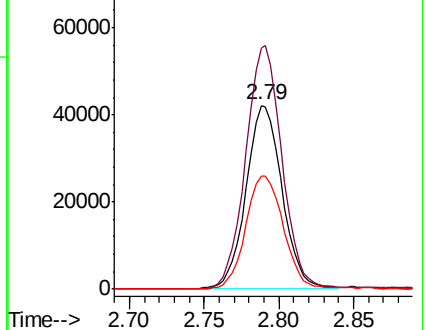
98 61.4 46.0 85.4

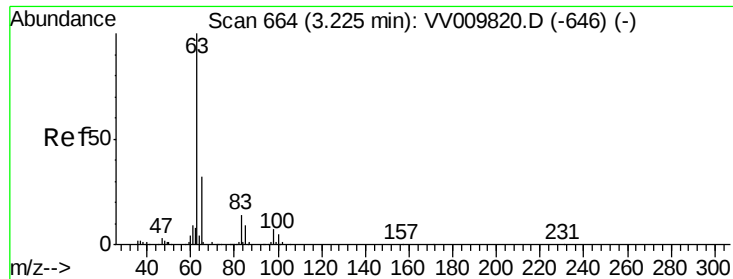


Abundance Ion 96.00 (95.70 to 96.70): VV009843.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV009843.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV009843.D (-435) (-)

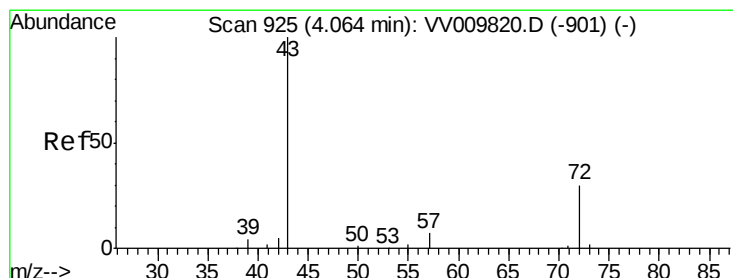
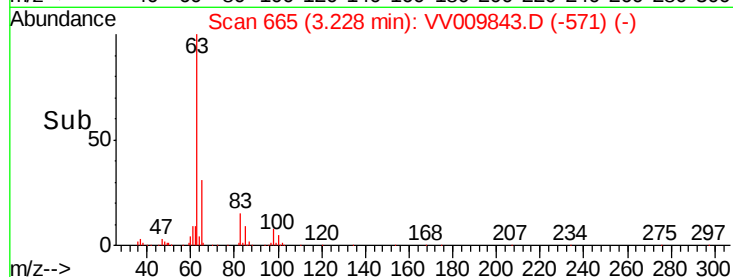
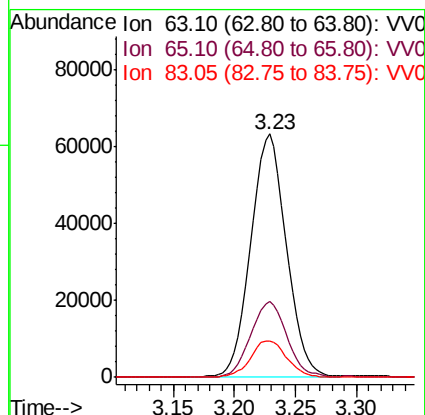
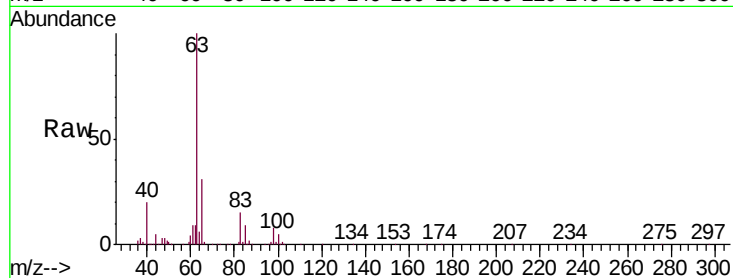




#19
 1,1-Dichloroethane
 Concen: 5.589 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

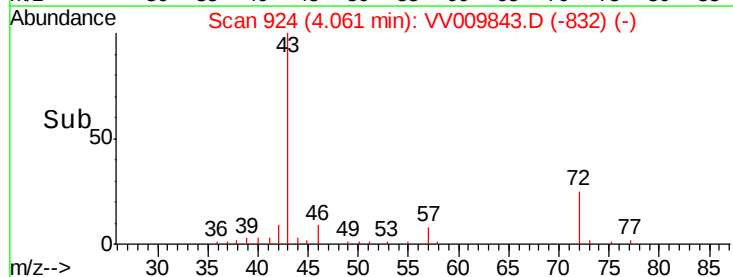
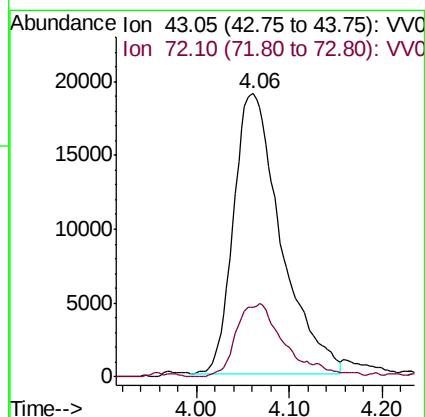
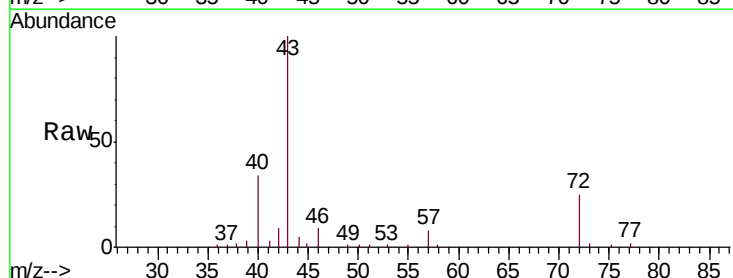
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

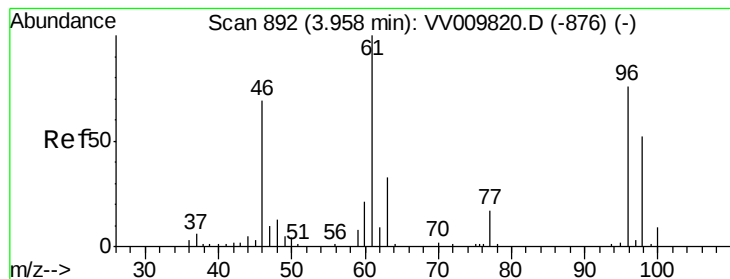
Tgt Ion: 63 Resp: 126911
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.3 39.5
 83 14.8 9.9 18.5



#21
 2-Butanone
 Concen: 51.855 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion: 43 Resp: 67370
 Ion Ratio Lower Upper
 43 100
 72 26.5 14.8 44.4





#22

cis-1,2-Dichloroethene

Concen: 5.025 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

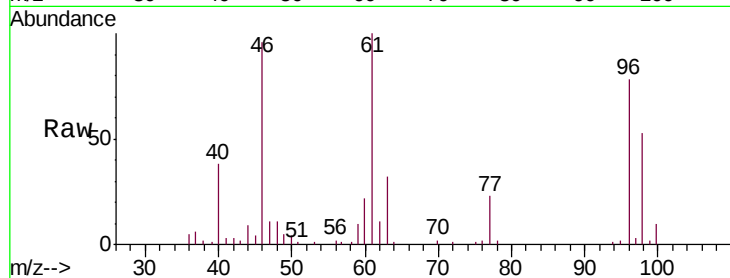
Tgt Ion: 96 Resp: 31794

Ion Ratio Lower Upper

96 100

61 128.7 84.8 157.4

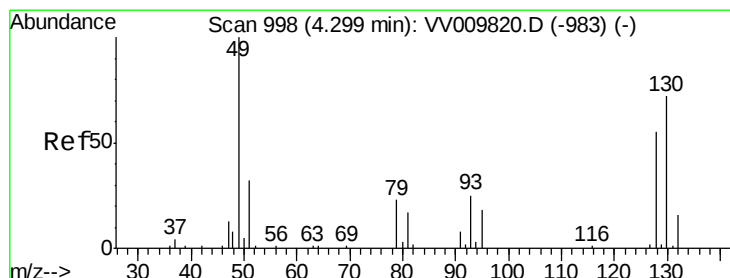
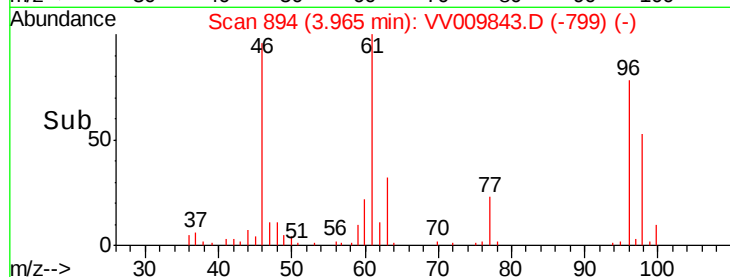
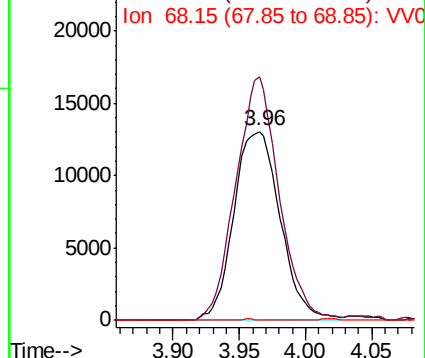
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV009820.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV009820.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV009820.D (-876) (-)



#23

Bromochloromethane

Concen: 5.158 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Tgt Ion: 128 Resp: 13230

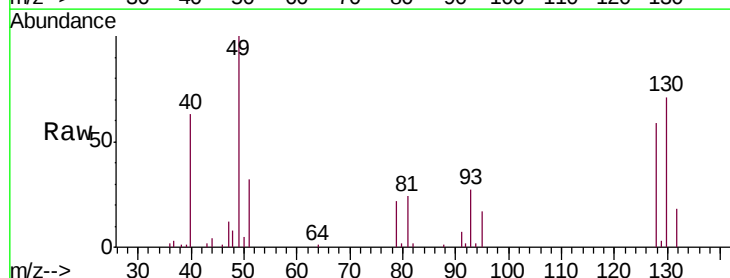
Ion Ratio Lower Upper

128 100

49 168.9 110.4 205.0

130 119.5 89.1 165.5

51 54.6 39.7 59.5

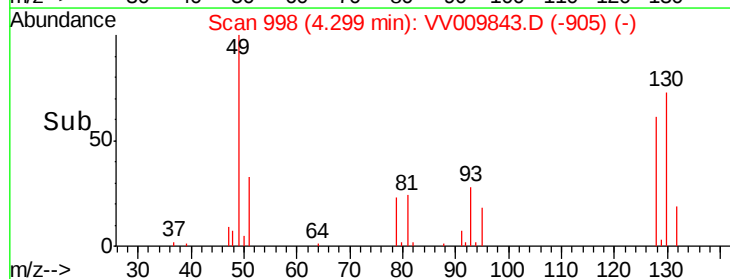
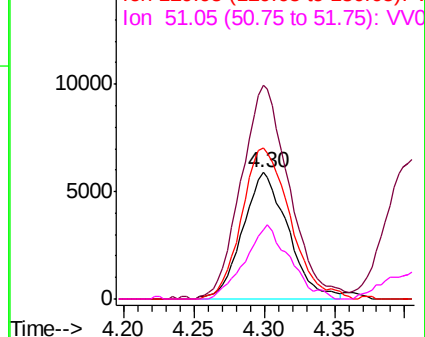


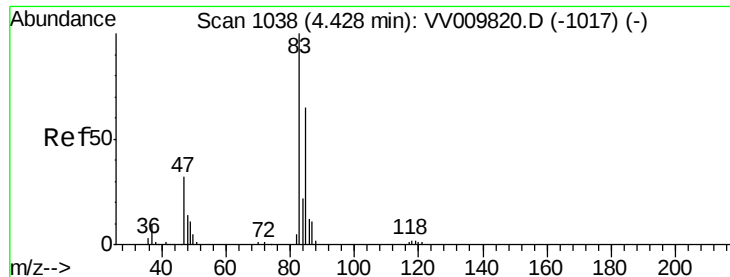
Abundance Ion 127.90 (127.60 to 128.60): VV009820.D (-983) (-)

Ion 49.10 (48.80 to 49.80): VV009820.D (-983) (-)

Ion 129.95 (129.65 to 130.65): VV009820.D (-983) (-)

Ion 51.05 (50.75 to 51.75): VV009820.D (-983) (-)

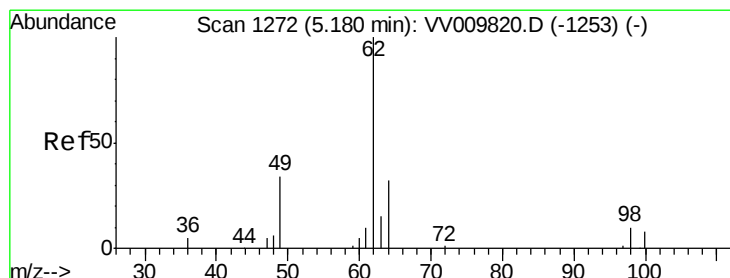
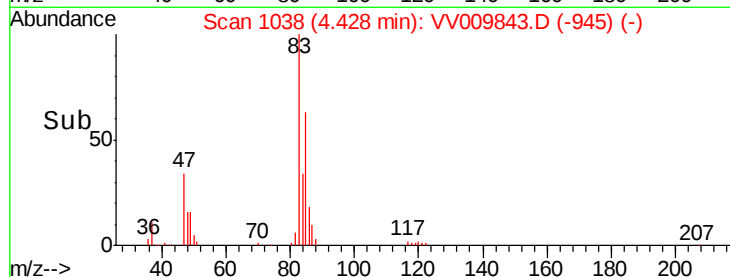
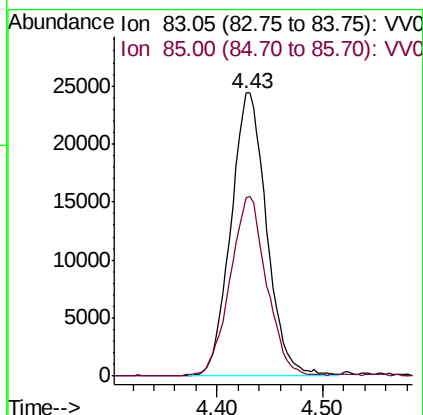
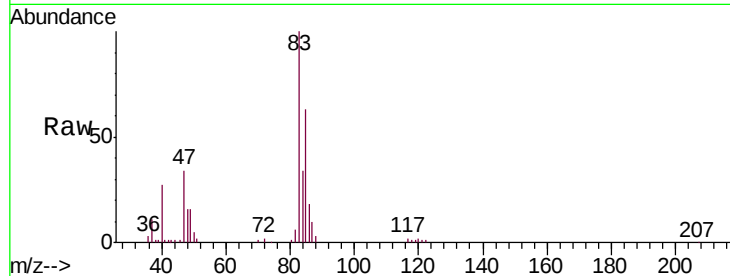




#25
Chloroform
Concen: 5.189 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

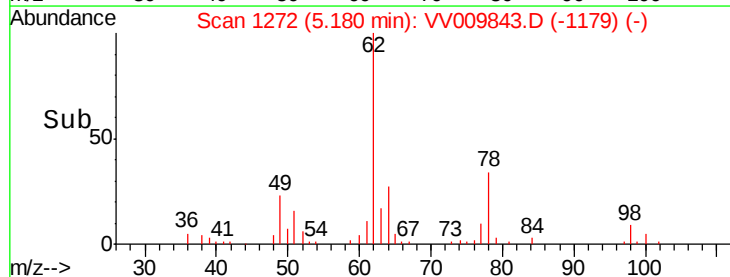
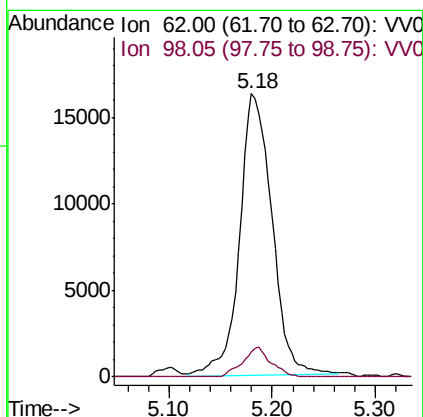
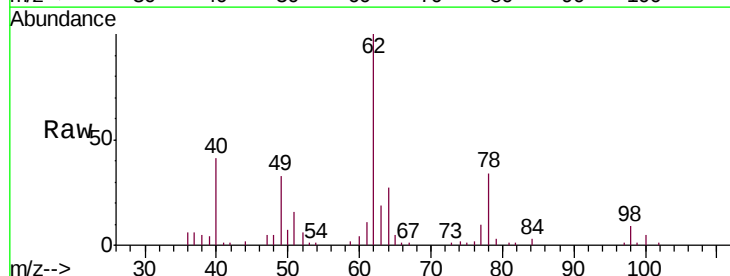
Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

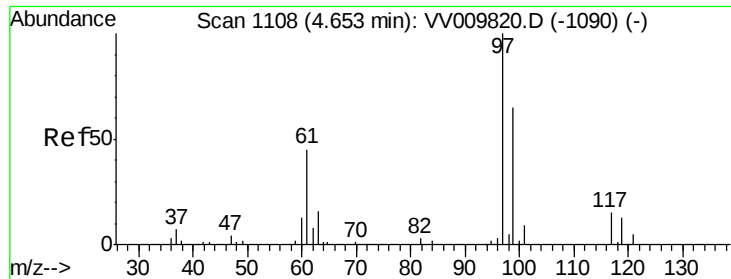
Tgt Ion: 83 Resp: 57400
Ion Ratio Lower Upper
83 100
85 63.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.271 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Tgt Ion: 62 Resp: 35483
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

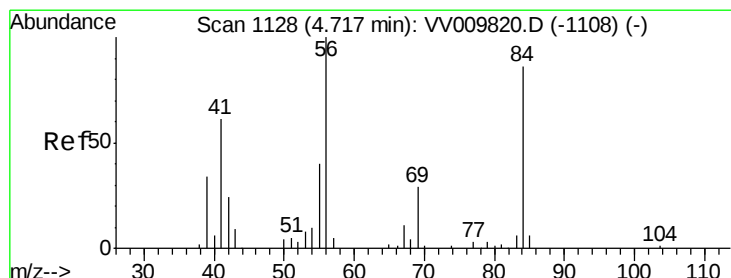
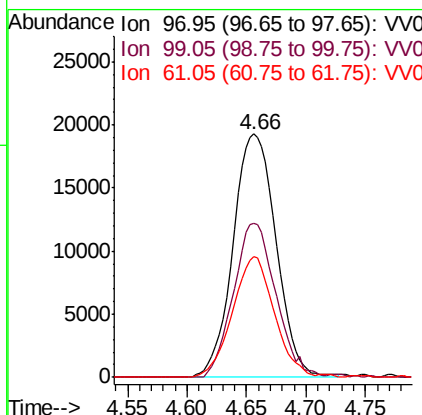
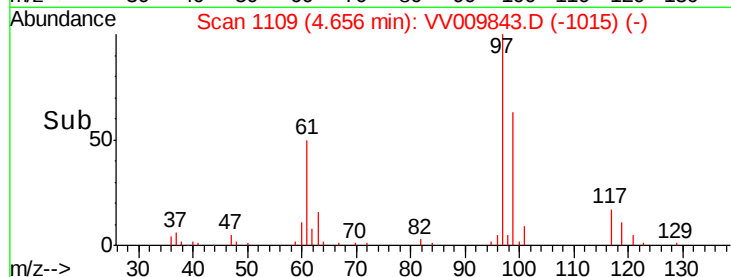
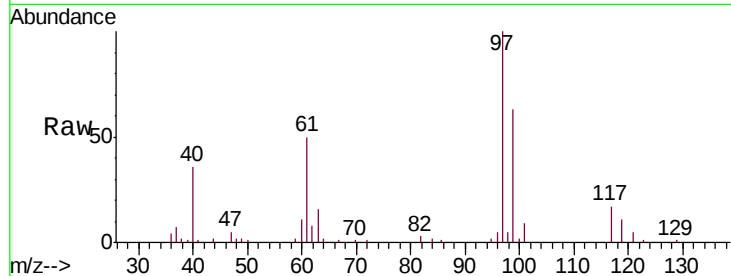




#29
 1,1,1-Trichloroethane
 Concen: 4.662 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

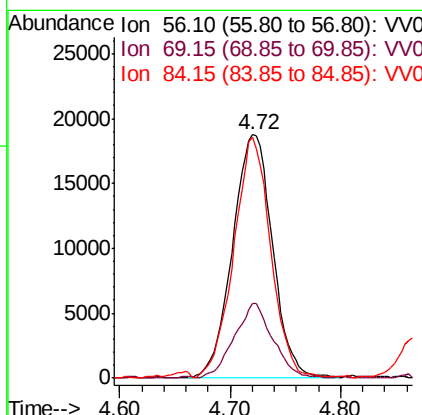
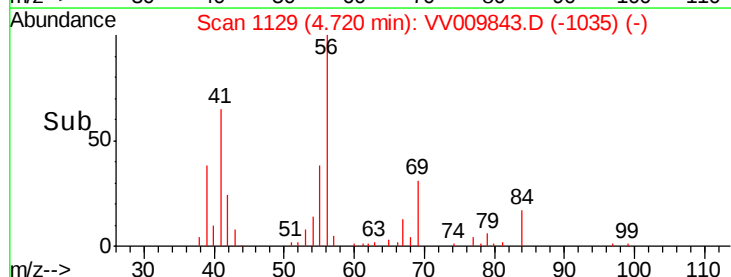
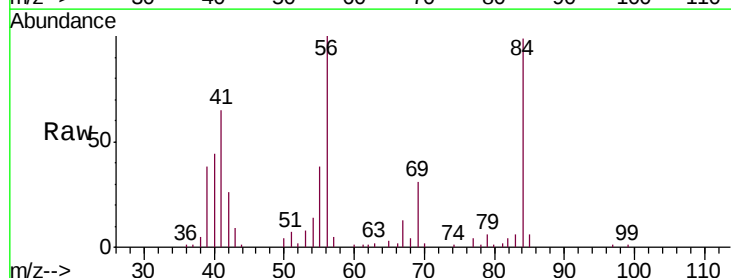
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

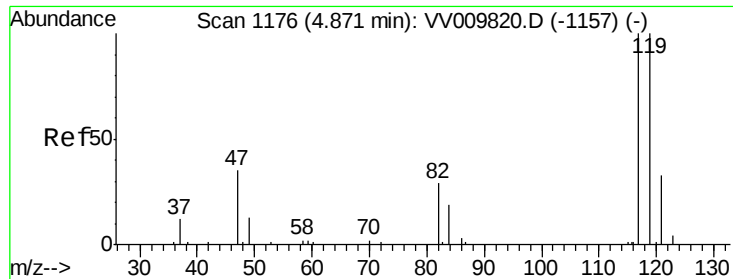
Tgt Ion: 97 Resp: 48339
 Ion Ratio Lower Upper
 97 100
 99 62.3 50.8 76.2
 61 48.0 35.0 52.6



#30
 Cyclohexane
 Concen: 4.384 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion: 56 Resp: 47115
 Ion Ratio Lower Upper
 56 100
 69 29.6 25.6 38.4
 84 91.5 72.4 108.6



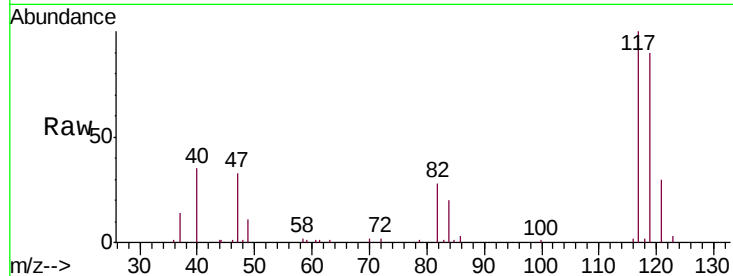


#31

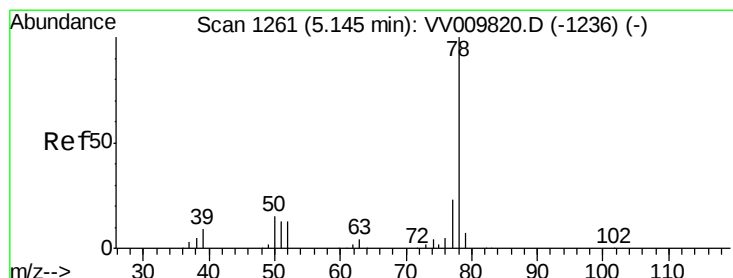
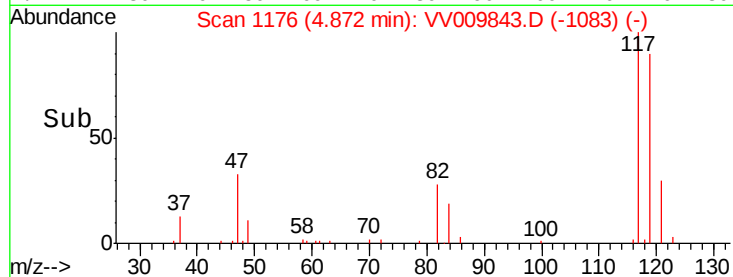
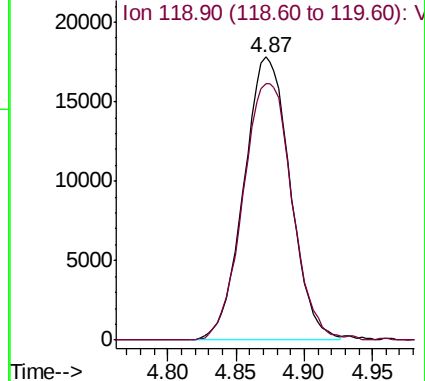
Carbon tetrachloride
Concen: 4.704 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion:117 Resp: 41998
Ion Ratio Lower Upper
117 100
119 96.4 75.4 113.2



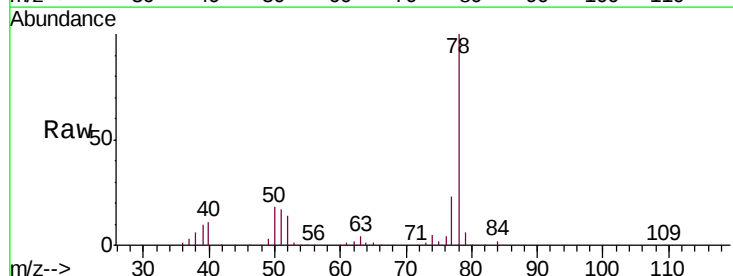
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



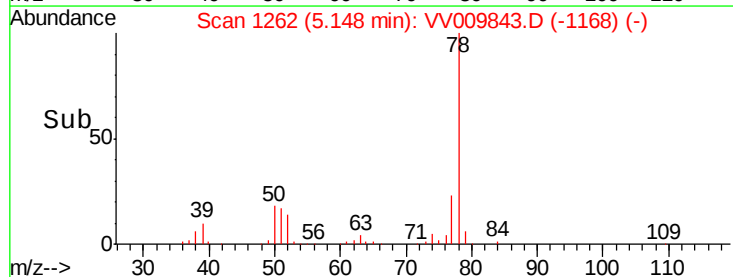
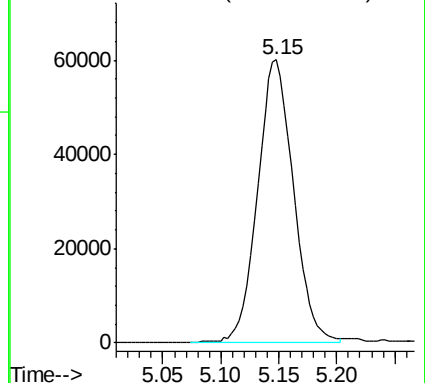
#33

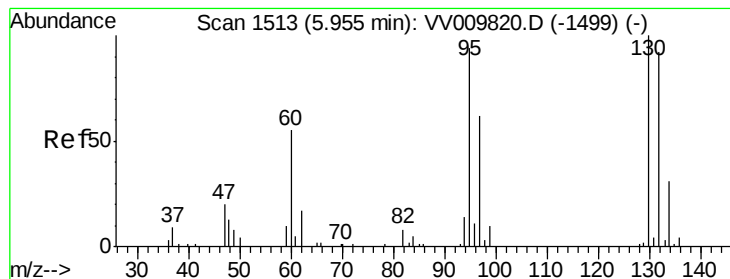
Benzene
Concen: 4.781 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Tgt Ion: 78 Resp: 128991



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.820 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

Tgt Ion: 95 Resp: 32898

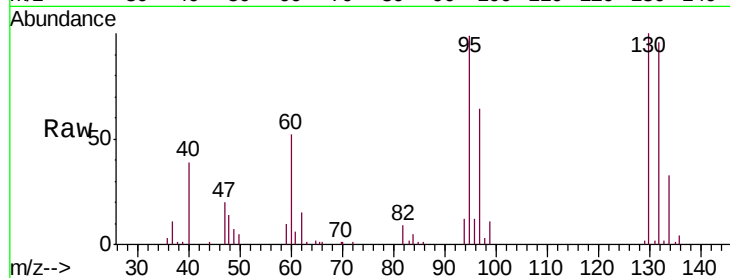
Ion Ratio Lower Upper

95 100

97 65.3 44.4 82.5

132 97.0 66.4 123.4

130 101.2 68.1 126.5

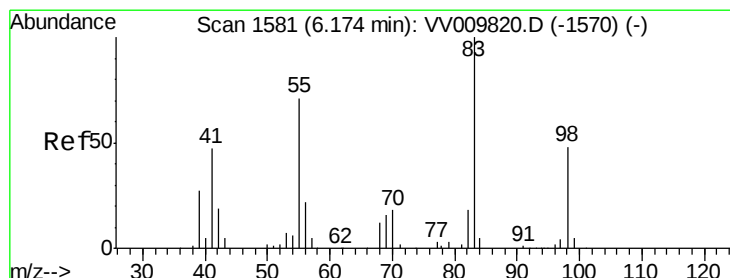
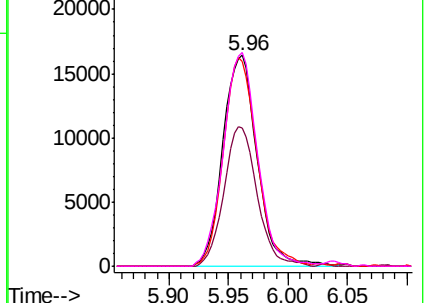
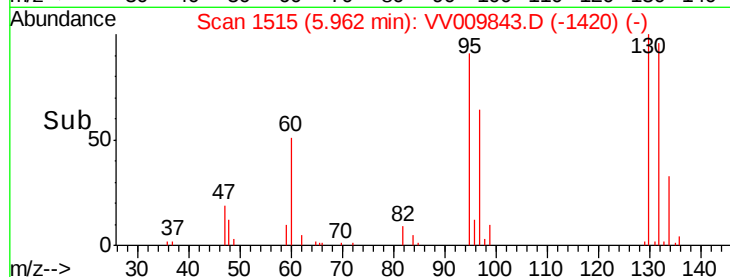


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.223 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

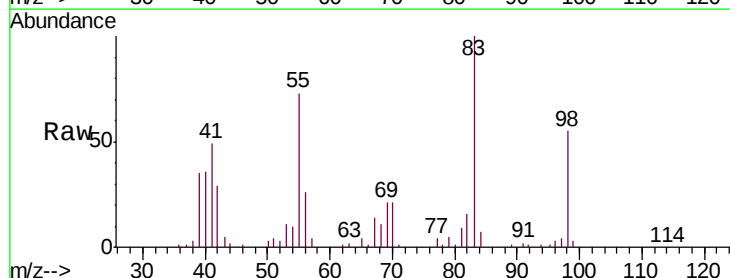
Tgt Ion: 83 Resp: 49330

Ion Ratio Lower Upper

83 100

55 72.3 57.4 86.2

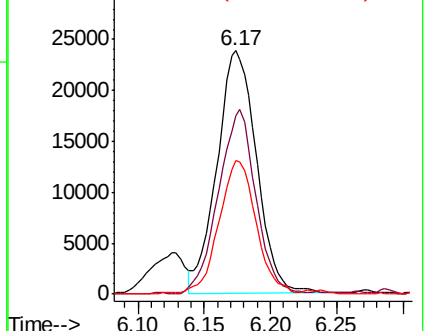
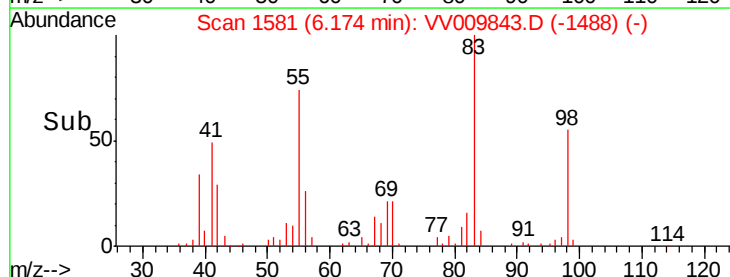
98 50.4 38.9 58.3

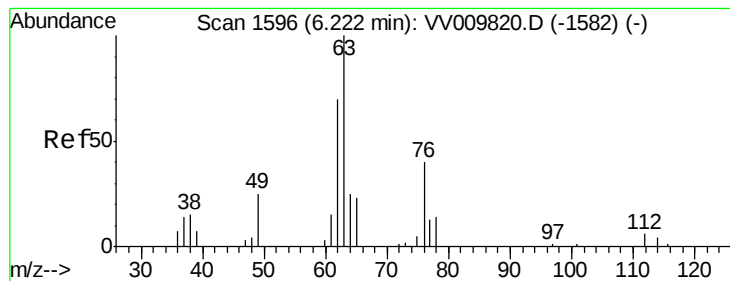


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.499 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

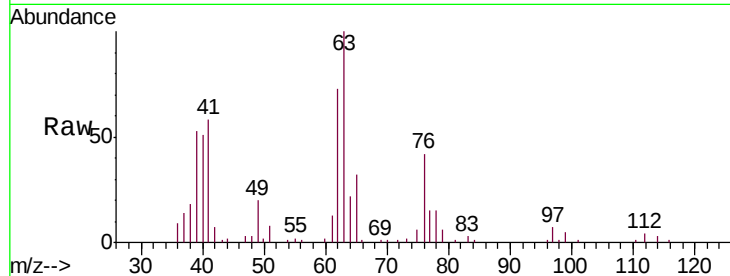
VSTD00540

Tgt Ion: 63 Resp: 30343

Ion Ratio Lower Upper

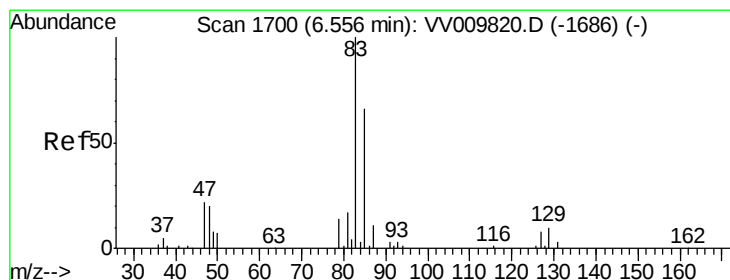
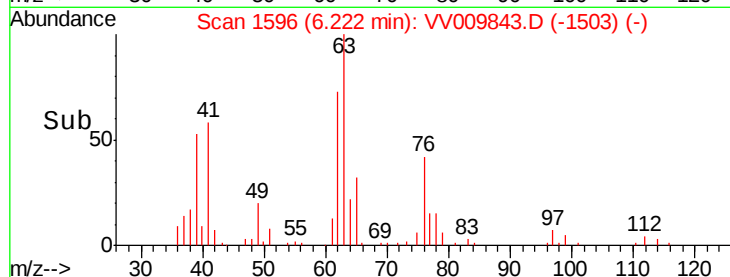
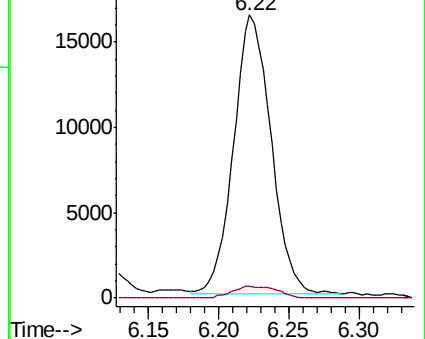
63 100

112 5.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VV009820.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV009820.D (-1582) (-)



#38

Bromodichloromethane

Concen: 4.665 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

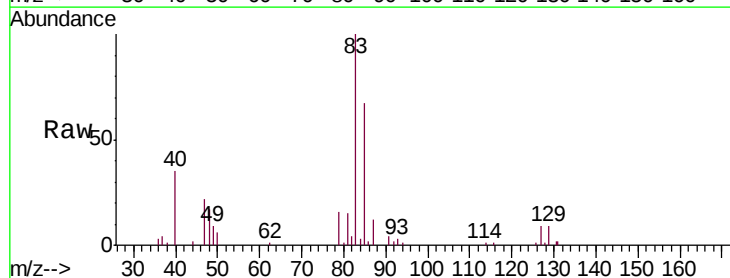
Tgt Ion: 83 Resp: 37204

Ion Ratio Lower Upper

83 100

85 66.7 42.8 79.4

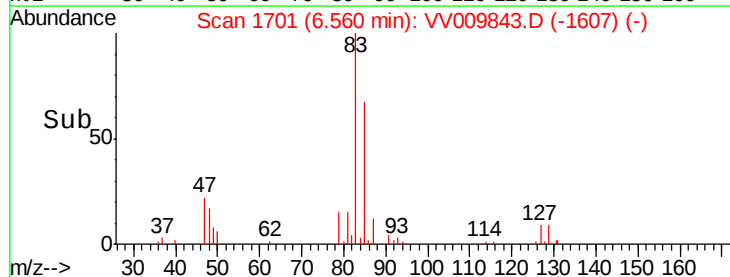
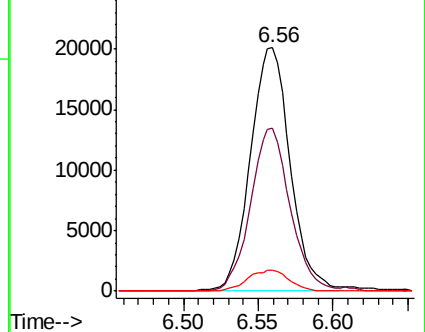
127 8.7 6.2 9.4

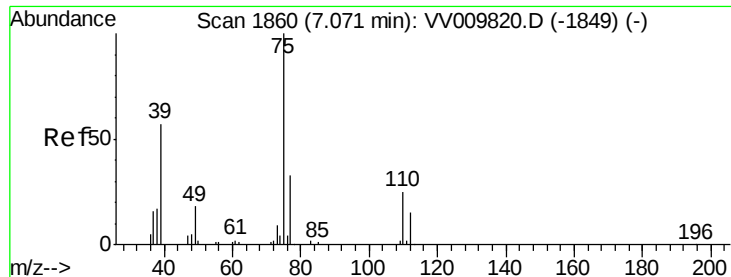


Abundance Ion 82.95 (82.65 to 83.65): VV009820.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV009820.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV009820.D (-1686) (-)

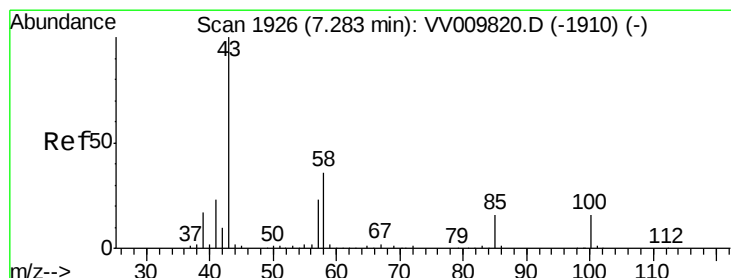
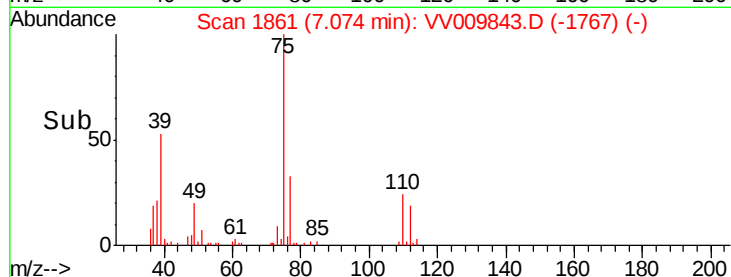
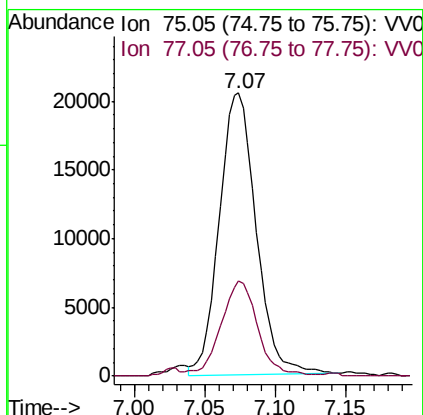
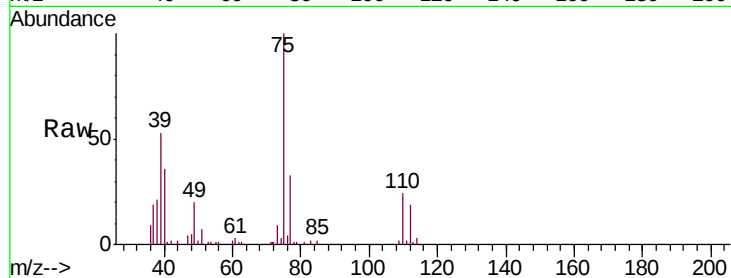




#39
 cis-1,3-Dichloropropene
 Concen: 4.096 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

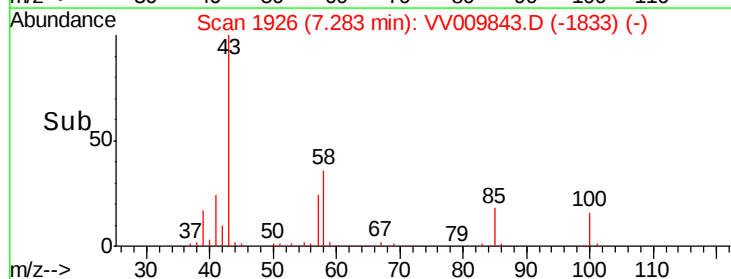
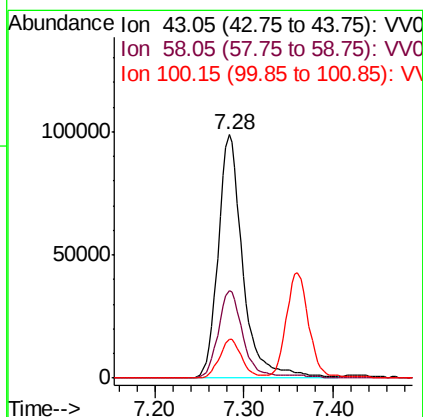
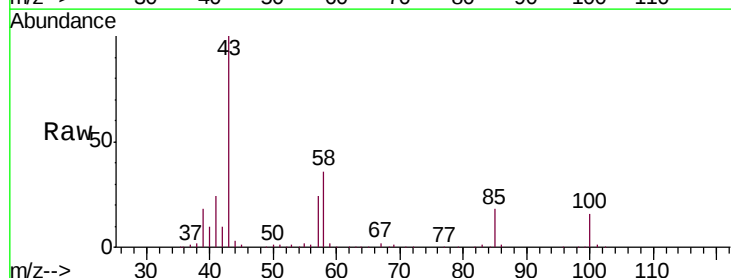
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

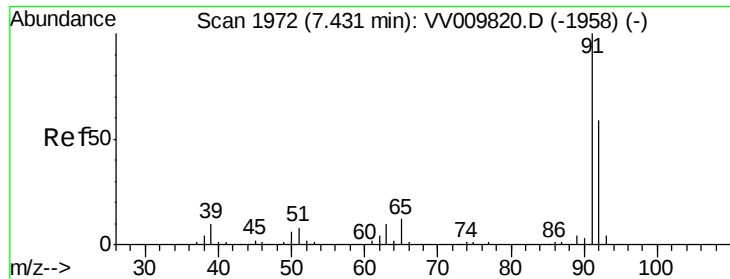
Tgt Ion: 75 Resp: 37366
 Ion Ratio Lower Upper
 75 100
 77 33.4 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 48.165 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion: 43 Resp: 189816
 Ion Ratio Lower Upper
 43 100
 58 36.7 32.3 48.5
 100 14.6 12.0 18.0





#42

Toluene

Concen: 4.636 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

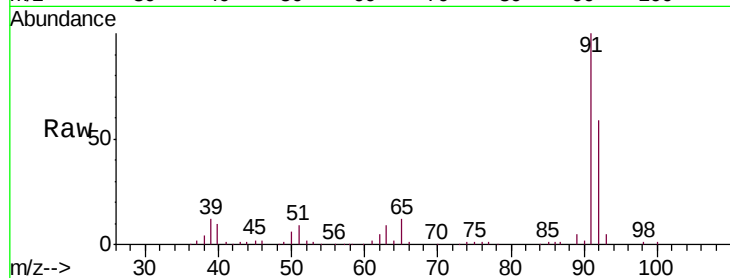
VSTD00540

Tgt Ion: 91 Resp: 141534

Ion Ratio Lower Upper

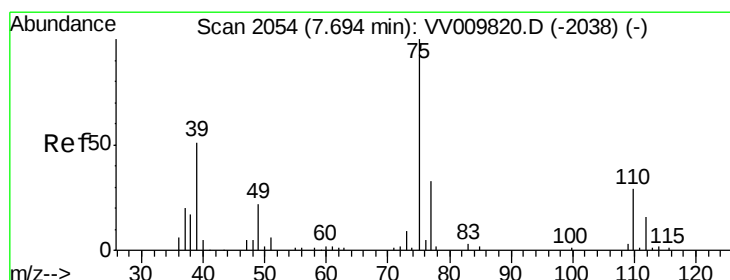
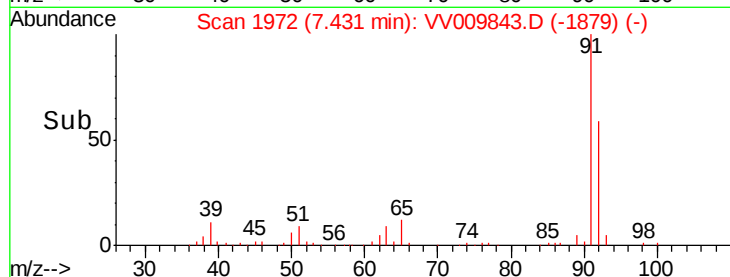
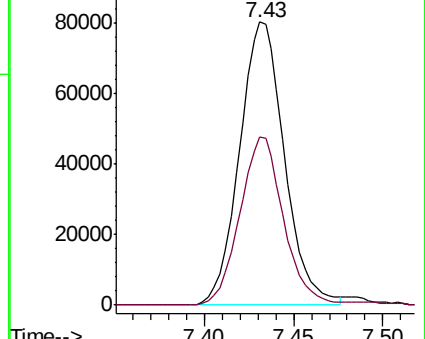
91 100

92 59.4 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009820.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009820.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.321 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009843.D

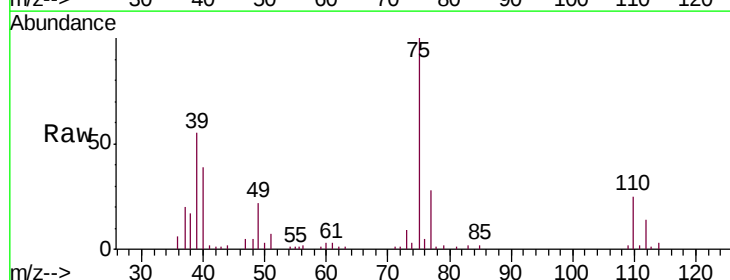
Acq: 22 Mar 2019 21:59

Tgt Ion: 75 Resp: 31520

Ion Ratio Lower Upper

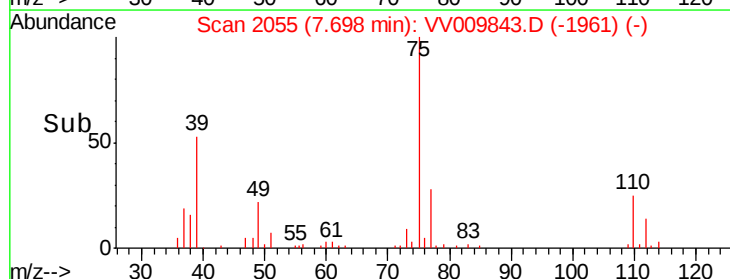
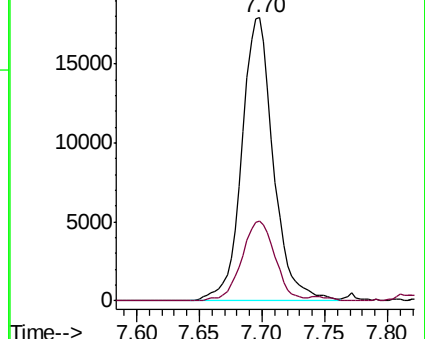
75 100

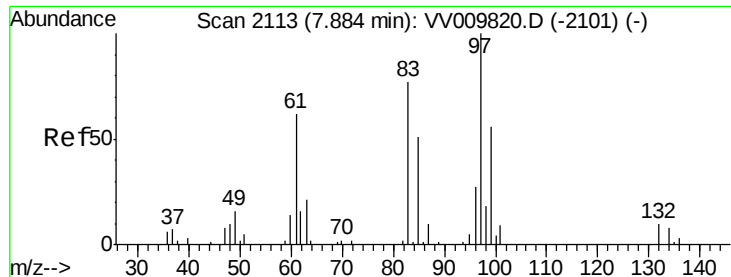
77 28.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009820.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009820.D (-2038) (-)

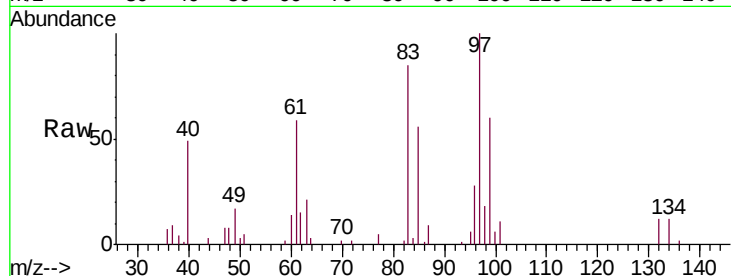




#45
 1,1,2-Trichloroethane
 Concen: 4.936 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

Tgt Ion:	97	Resp:	22661
Ion	Ratio	Lower	Upper
97	100		
99	60.4	43.8	81.4
83	84.7	60.7	112.7
85	56.0	40.5	75.3



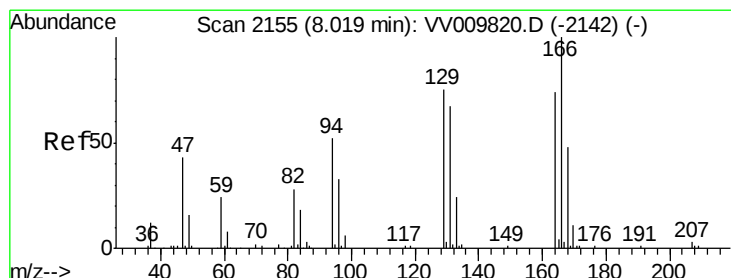
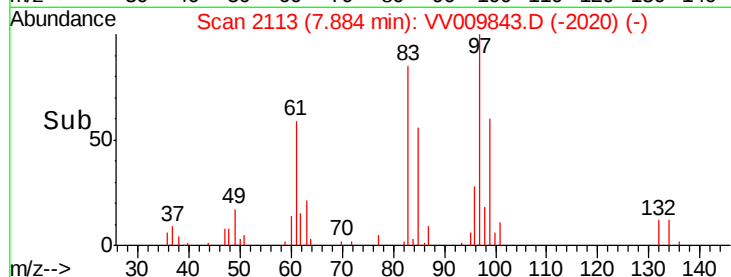
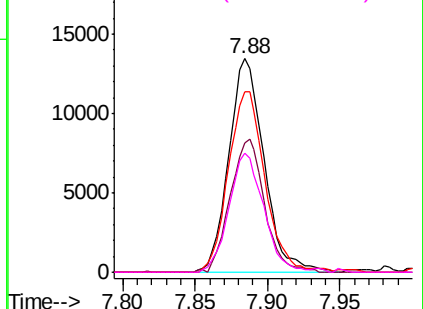
Abundance

Ion 96.95 (96.65 to 97.65): VV009843.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV009843.D (-2020) (-)

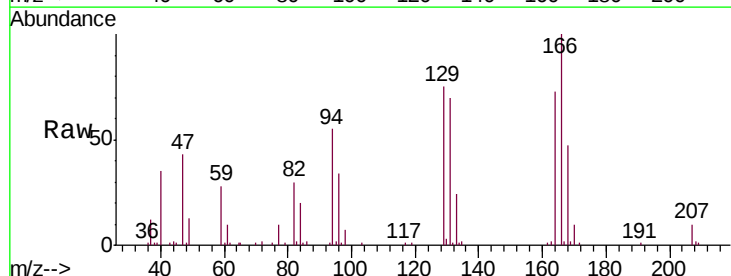
Ion 82.95 (82.65 to 83.65): VV009843.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV009843.D (-2020) (-)



#47
 Tetrachloroethene
 Concen: 4.312 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion:	164	Resp:	25417
Ion	Ratio	Lower	Upper
164	100		
129	102.8	73.6	136.8
131	96.6	68.4	127.0
166	137.2	91.8	170.4



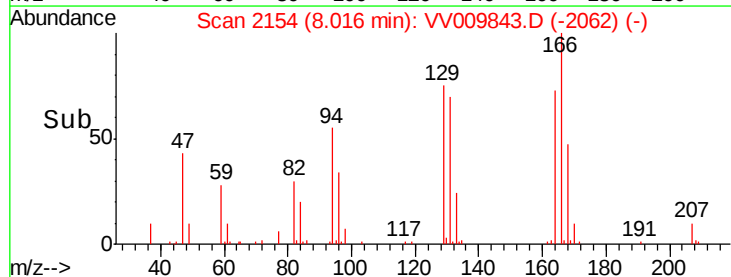
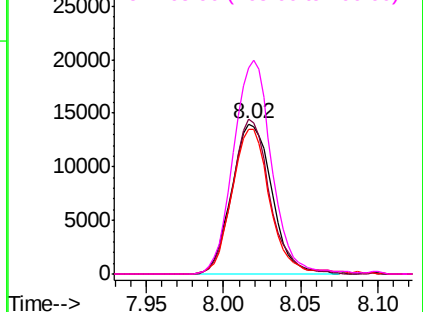
Abundance

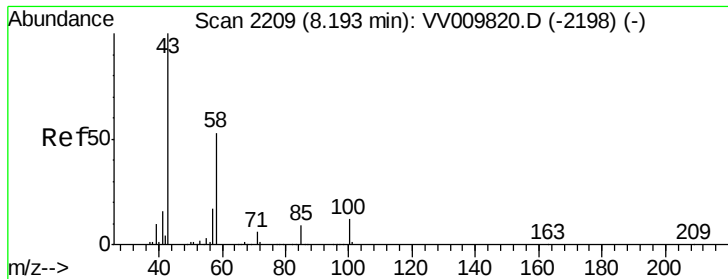
Ion 163.90 (163.60 to 164.60): VV009843.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV009843.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV009843.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV009843.D (-2062) (-)

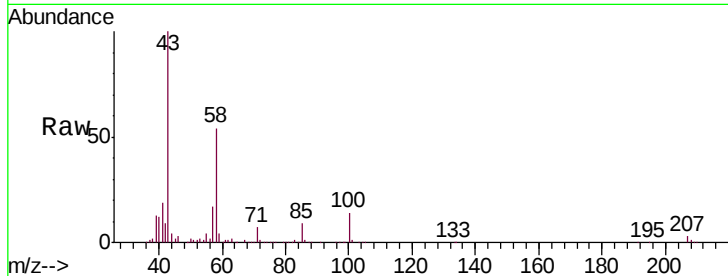




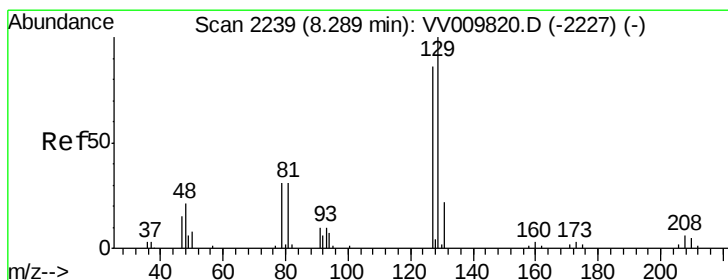
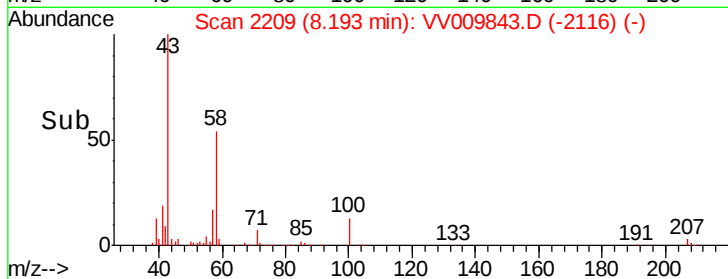
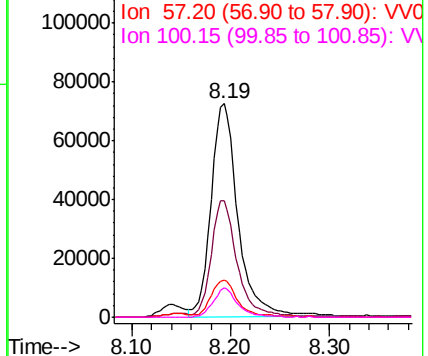
#48
2-Hexanone
Concen: 49.549 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Instrument :
MSVOA_V
ClientSampled :
VSTD00540

Tgt Ion:	43	Resp:	137380
Ion	Ratio	Lower	Upper
43	100		
58	52.2	43.4	65.0
57	15.4	15.0	22.4
100	12.8	9.6	14.4

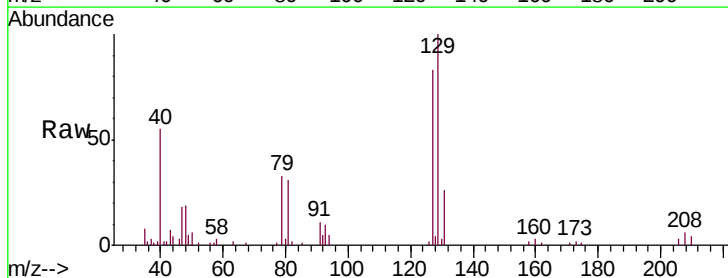


Abundance Ion 43.05 (42.75 to 43.75): VV009843.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV009843.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV009843.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV009843.D (-2116) (-)

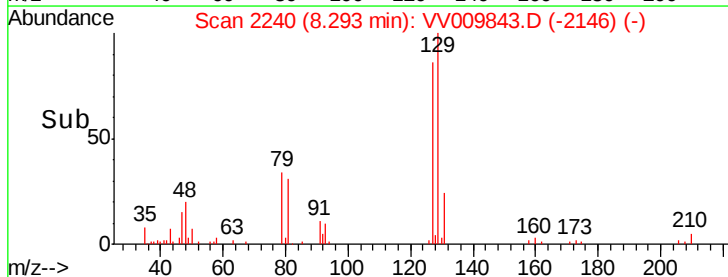
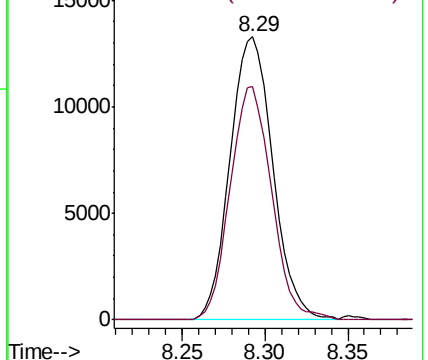


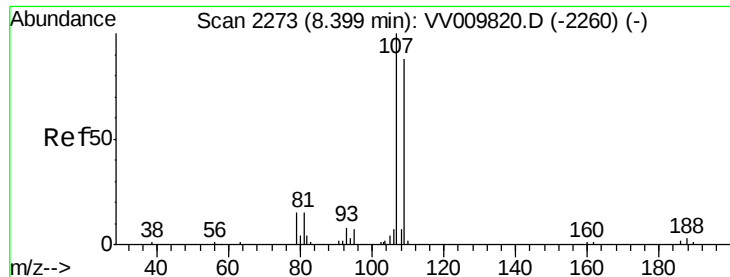
#49
Dibromochloromethane
Concen: 4.505 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Tgt Ion:	129	Resp:	23907
Ion	Ratio	Lower	Upper
129	100		
127	82.6	52.4	97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009843.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV009843.D (-2146) (-)

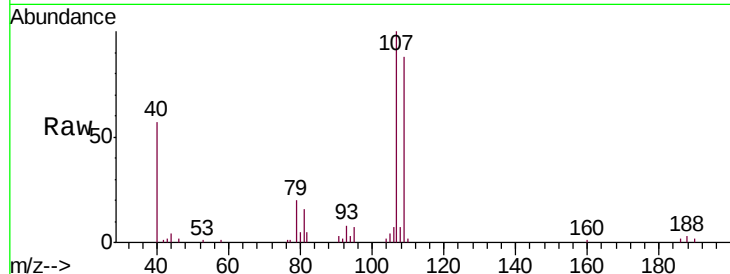




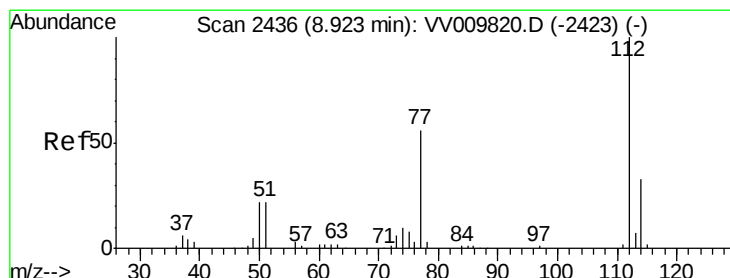
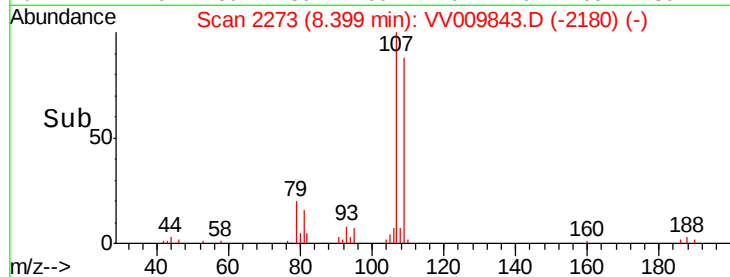
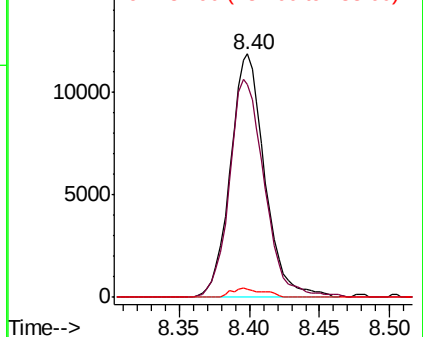
#50
1,2-Dibromoethane
Concen: 4.722 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00540

Tgt Ion:107 Resp: 20246
Ion Ratio Lower Upper
107 100
109 87.5 61.8 114.8
188 3.4 2.4 3.6

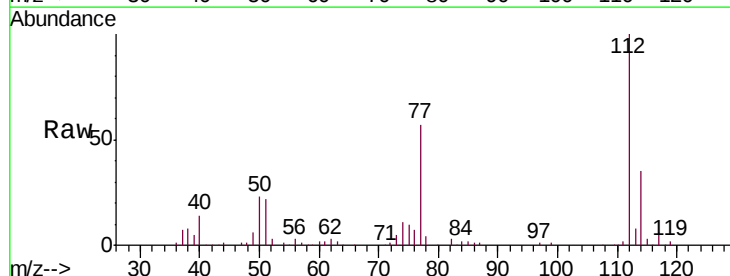


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

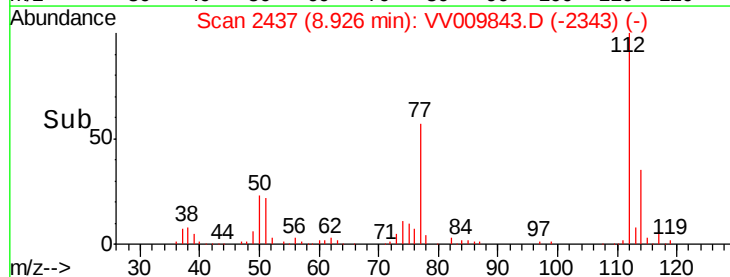
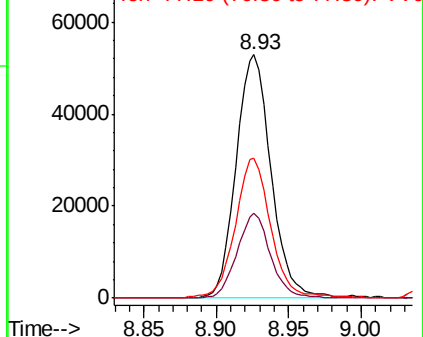


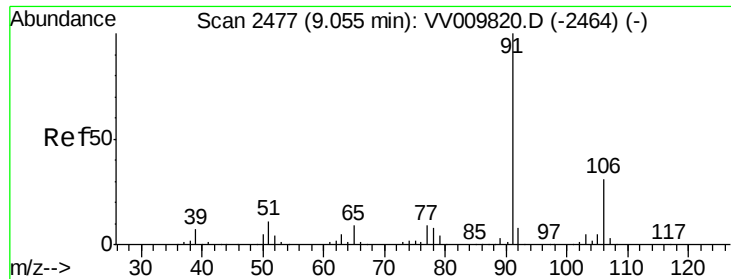
#51
Chlorobenzene
Concen: 4.532 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009843.D
Acq: 22 Mar 2019 21:59

Tgt Ion:112 Resp: 88585
Ion Ratio Lower Upper
112 100
114 35.1 21.8 40.4
77 57.4 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.548 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

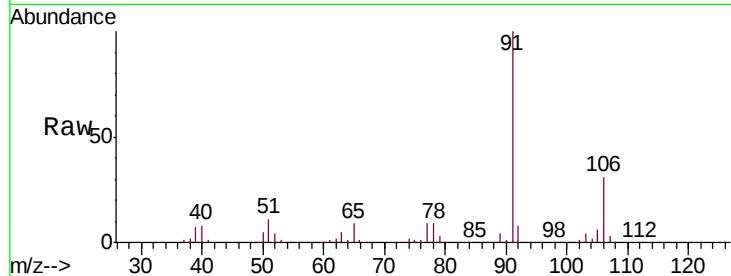
VSTD00540

Tgt Ion: 91 Resp: 152982

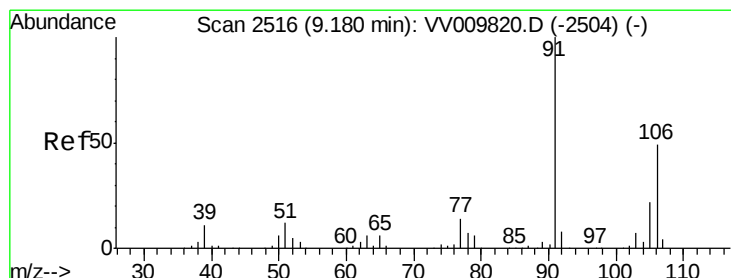
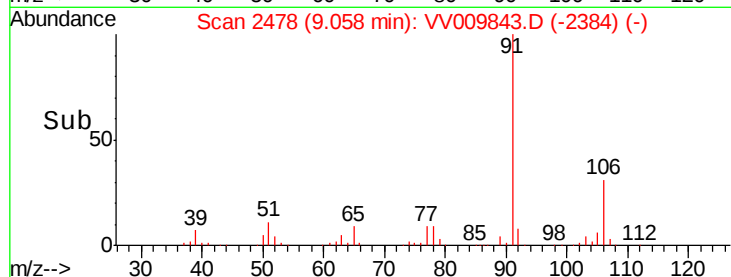
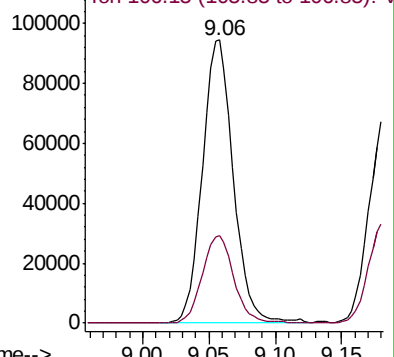
Ion Ratio Lower Upper

91 100

106 30.8 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009820.D (-2464) (-)



#53

m,p-xylene

Concen: 4.466 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009843.D

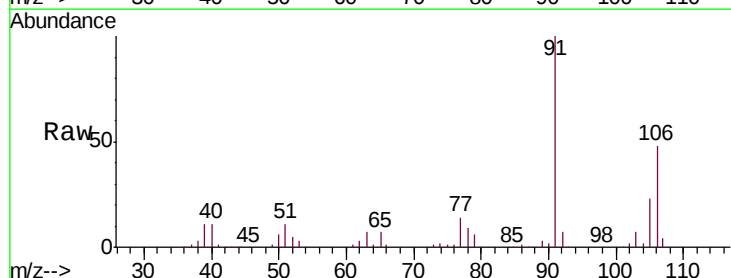
Acq: 22 Mar 2019 21:59

Tgt Ion: 106 Resp: 57084

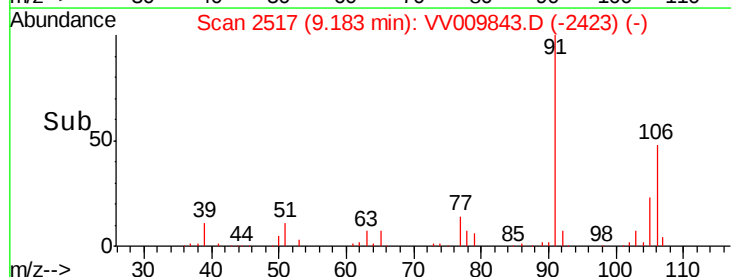
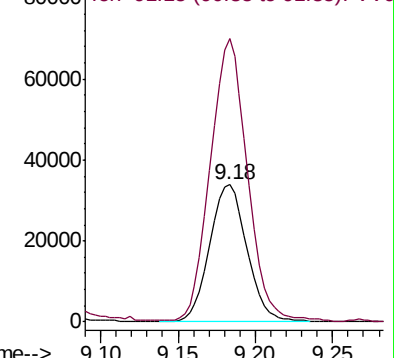
Ion Ratio Lower Upper

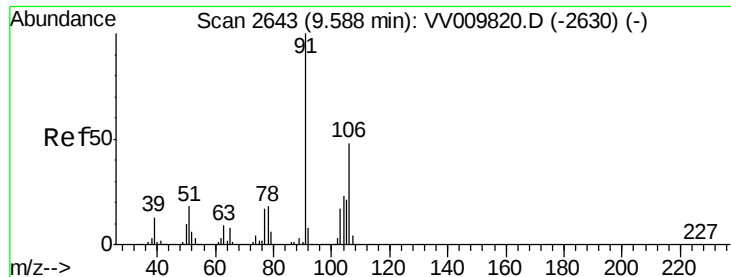
106 100

91 206.4 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009820.D (-2504) (-)





#54

o-xylene

Concen: 4.487 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

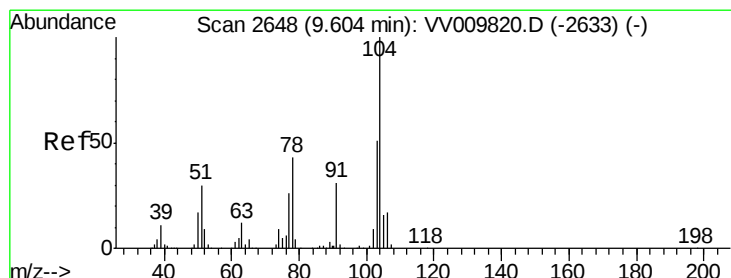
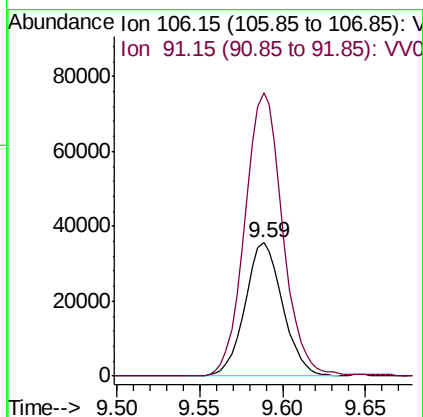
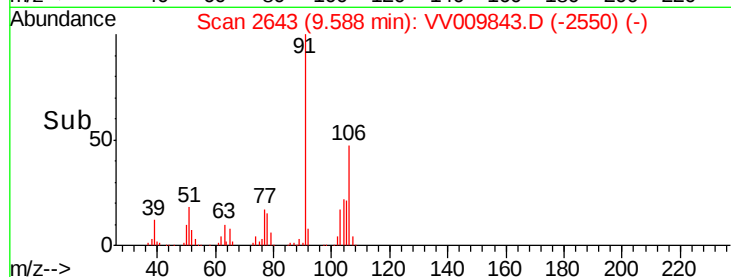
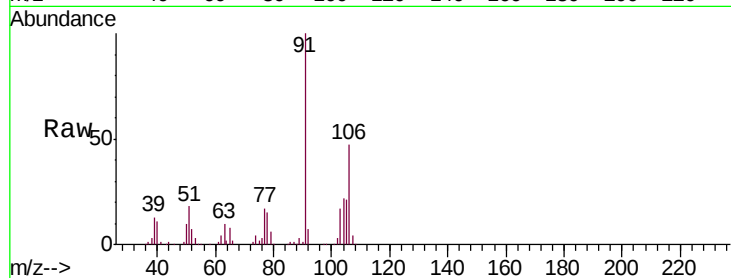
VSTD00540

Tgt Ion:106 Resp: 56023

Ion Ratio Lower Upper

106 100

91 212.5 152.9 283.9



#55

Styrene

Concen: 4.786 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009843.D

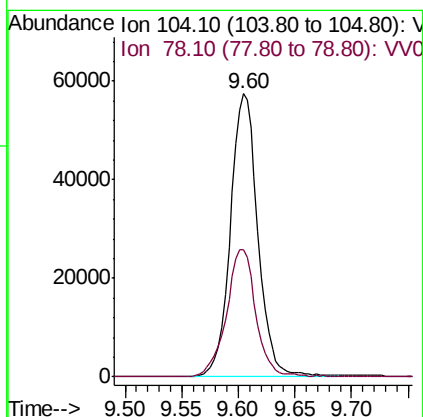
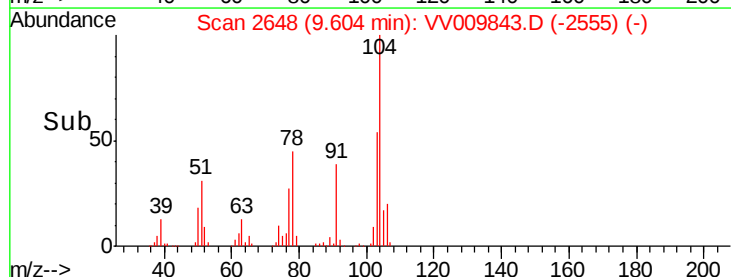
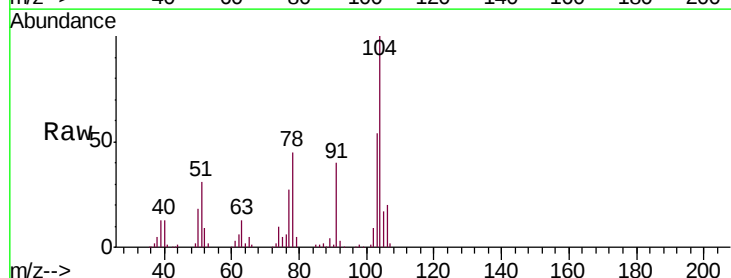
Acq: 22 Mar 2019 21:59

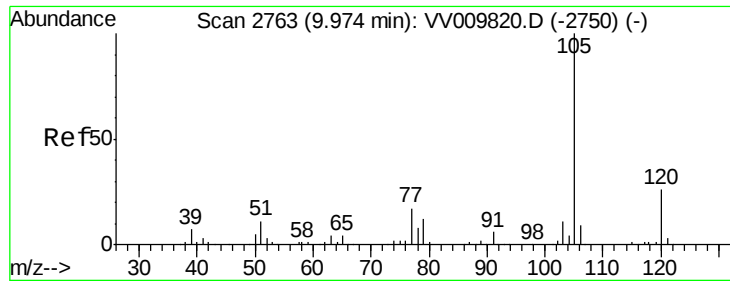
Tgt Ion:104 Resp: 97164

Ion Ratio Lower Upper

104 100

78 45.1 32.2 59.8





#56

Isopropylbenzene

Concen: 4.564 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

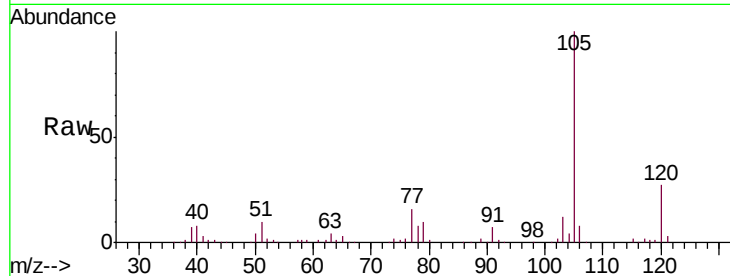
Tgt Ion: 105 Resp: 150477

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

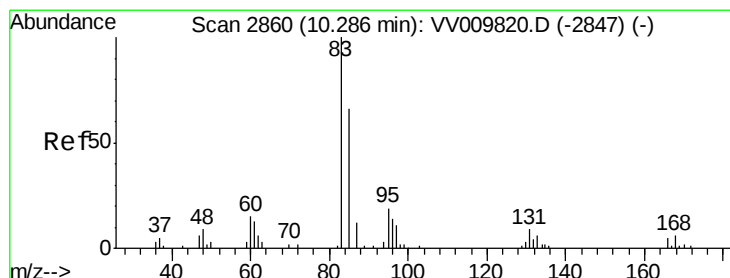
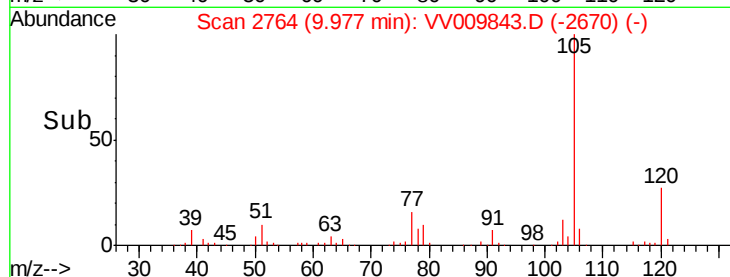
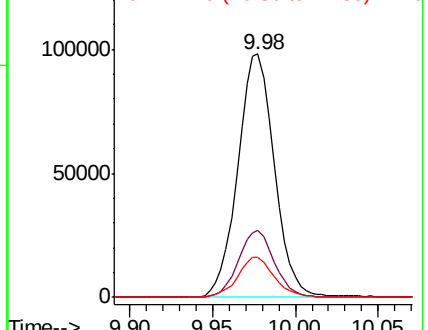
77 16.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV009820.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV009820.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV009820.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.909 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

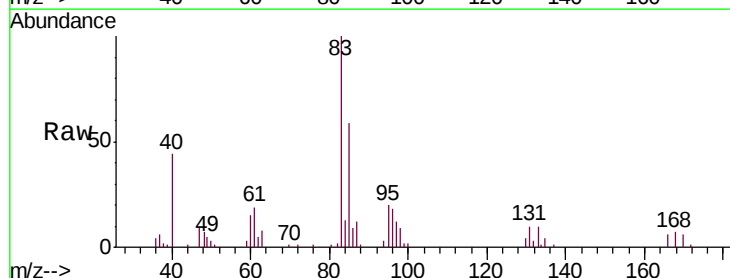
Tgt Ion: 83 Resp: 27921

Ion Ratio Lower Upper

83 100

85 59.1 45.8 85.2

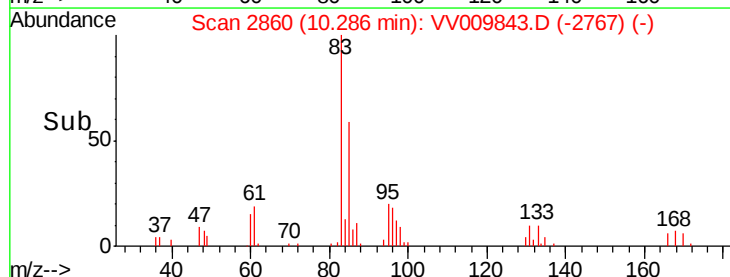
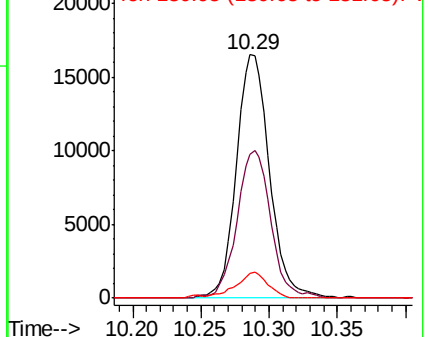
131 10.2 9.0 13.4

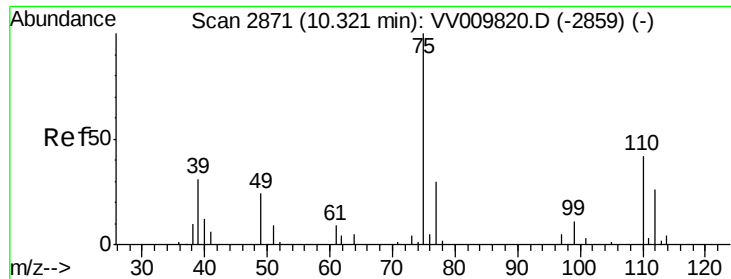


Abundance Ion 82.95 (82.65 to 83.65): VV009820.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV009820.D (-2847) (-)

Ion 130.95 (130.65 to 131.65): VV009820.D (-2847) (-)

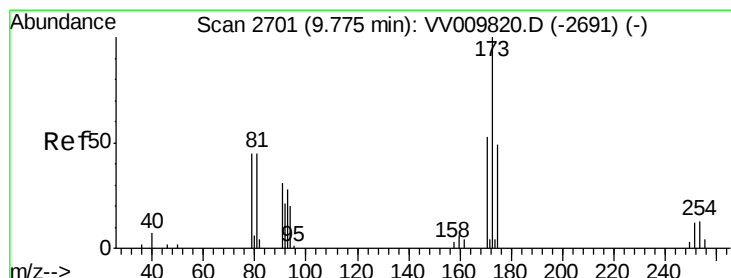
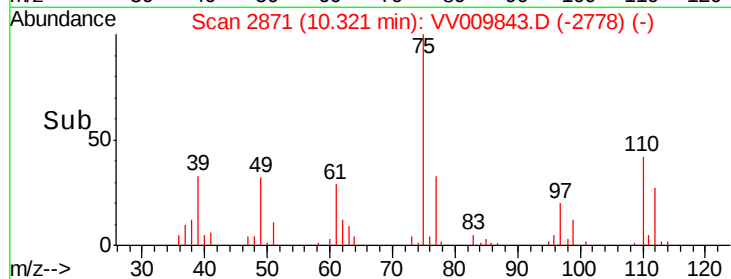
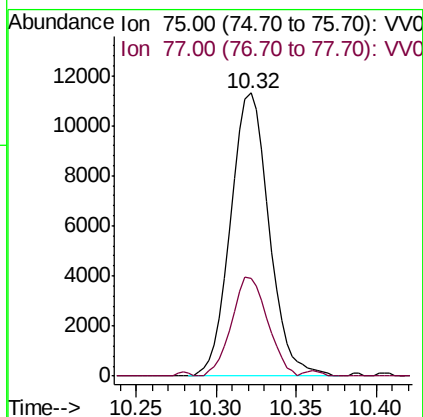
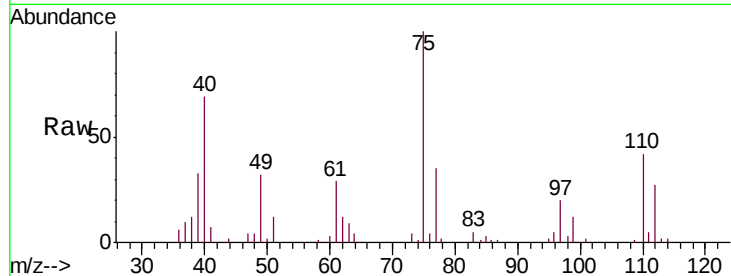




#59
 1,2,3-Trichloropropane
 Concen: 4.728 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

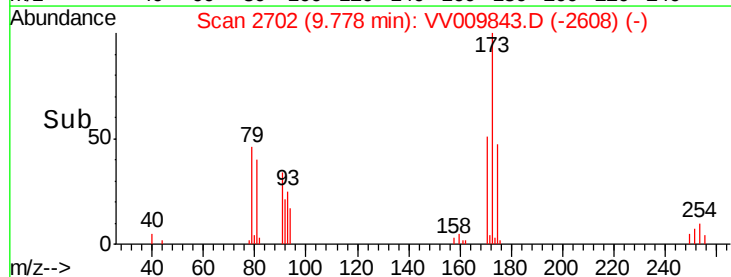
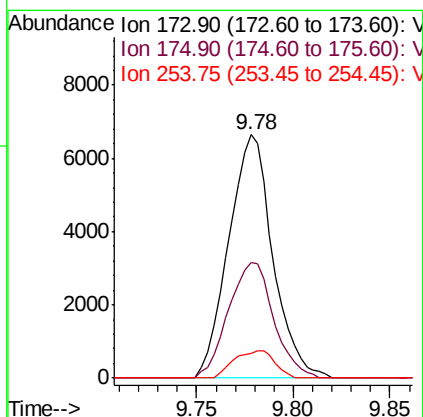
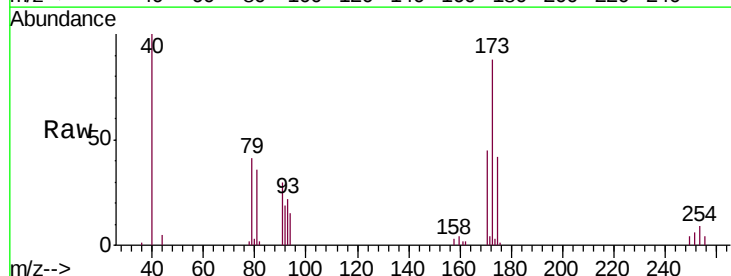
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

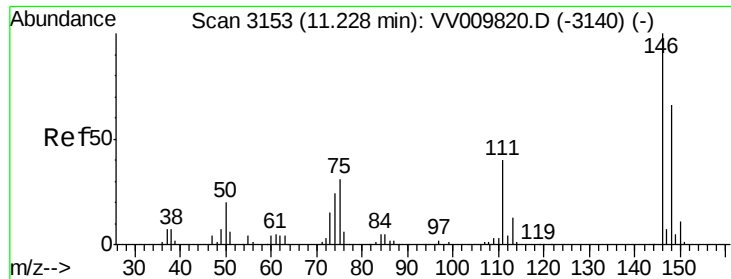
Tgt Ion: 75 Resp: 18524
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#61
 Bromoform
 Concen: 4.237 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion: 173 Resp: 10517
 Ion Ratio Lower Upper
 173 100
 175 48.8 40.0 60.0
 254 10.4 6.2 9.2#

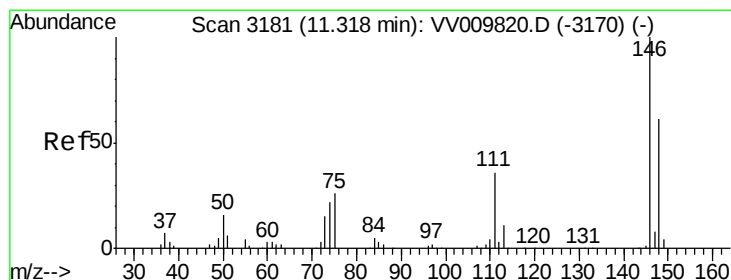
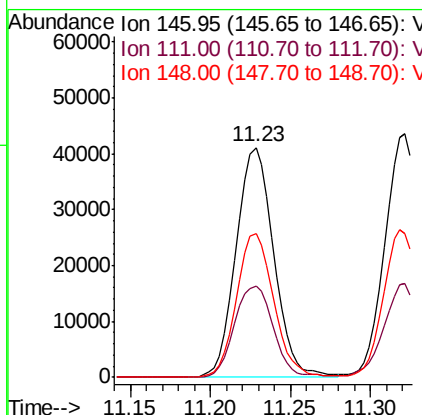
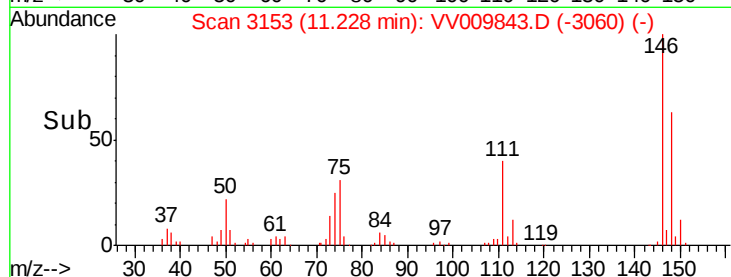
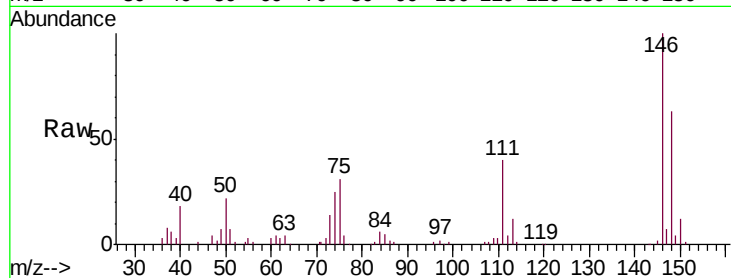




#62
 1,3-Dichlorobenzene
 Concen: 4.414 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

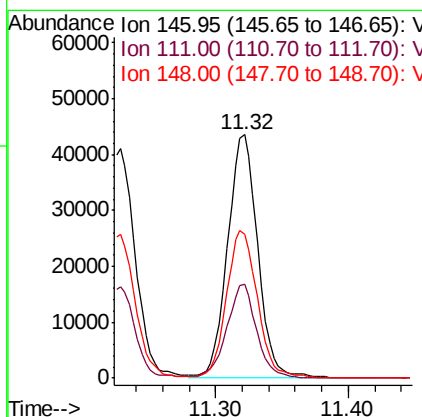
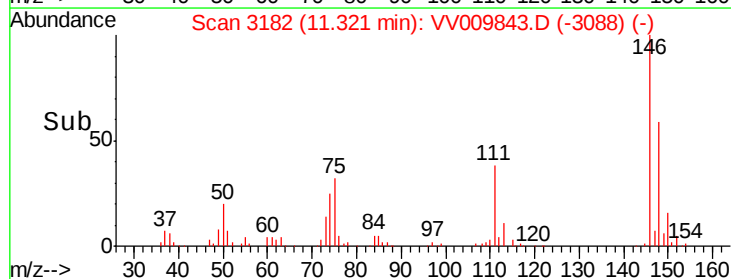
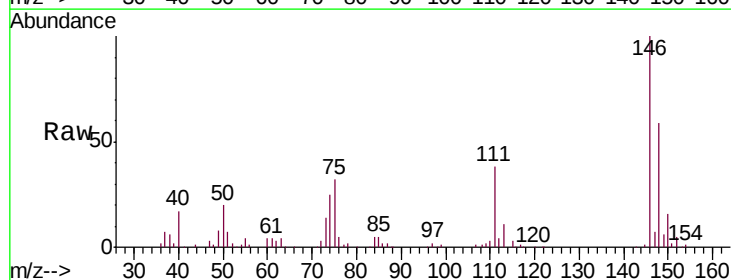
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

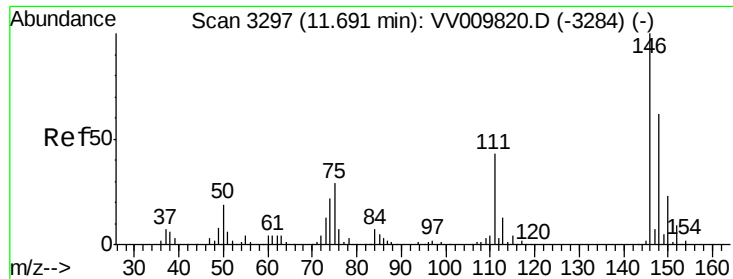
Tgt Ion:146 Resp: 65929
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.7 55.1
 148 62.5 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.568 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion:146 Resp: 69031
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.4 51.0
 148 58.8 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 4.628 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

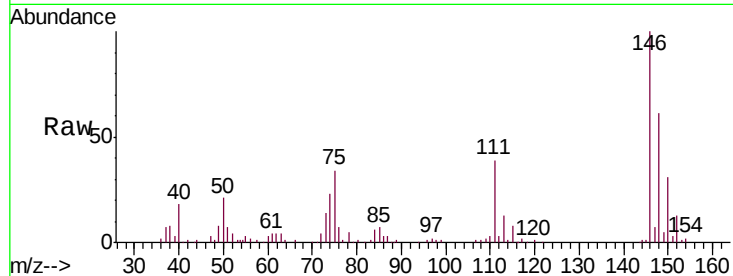
Tgt Ion:146 Resp: 65048

Ion Ratio Lower Upper

146 100

111 39.0 34.7 52.1

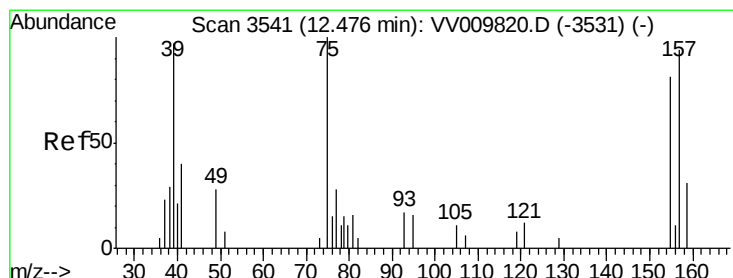
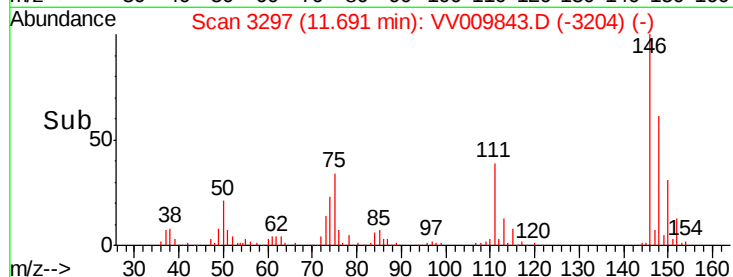
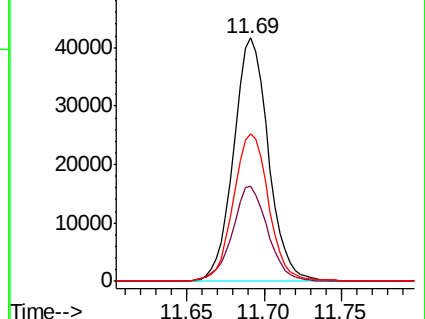
148 60.7 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.219 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

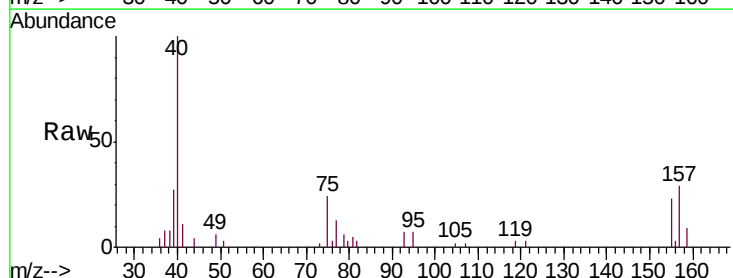
Tgt Ion: 75 Resp: 2420

Ion Ratio Lower Upper

75 100

155 95.4 73.5 110.3

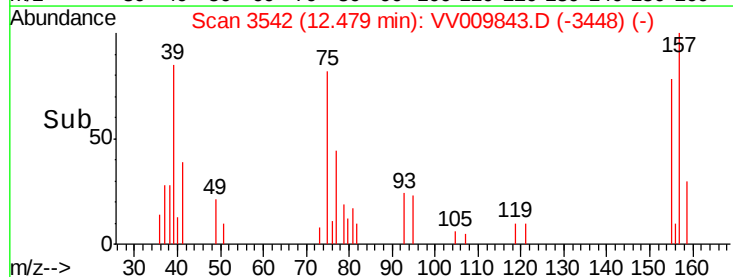
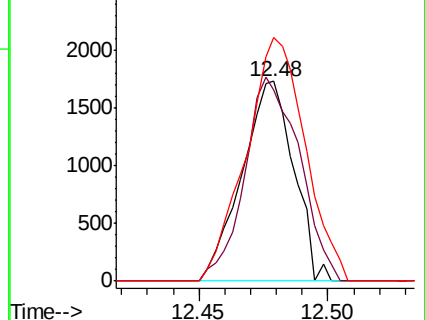
157 121.7 88.3 132.5

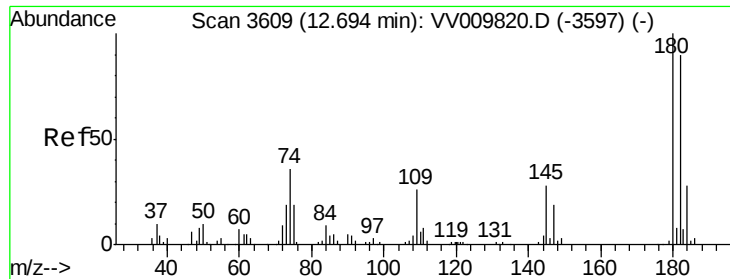


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

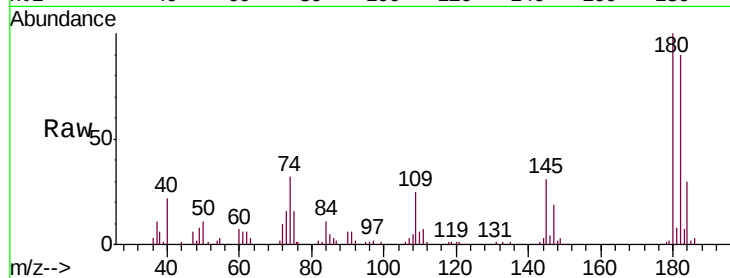




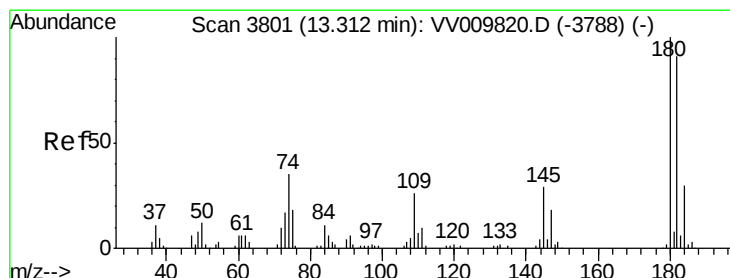
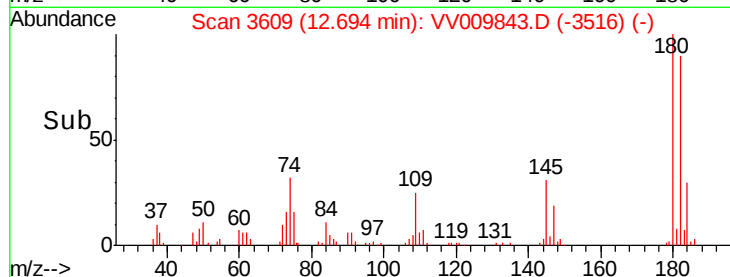
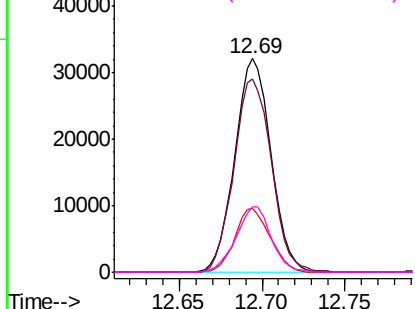
#67
 1,3,5-Trichlorobenzene
 Concen: 4.312 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00540

Tgt Ion:180 Resp: 48754
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.0 112.6
 184 29.3 23.9 35.9
 145 29.7 25.3 37.9

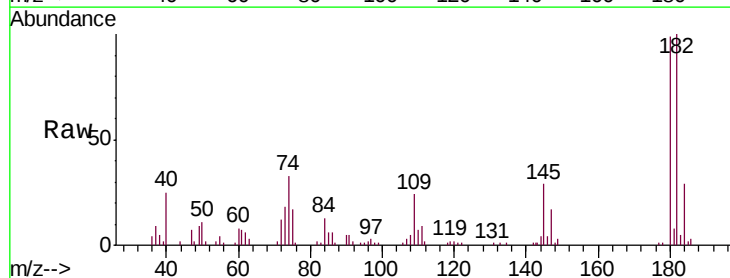


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

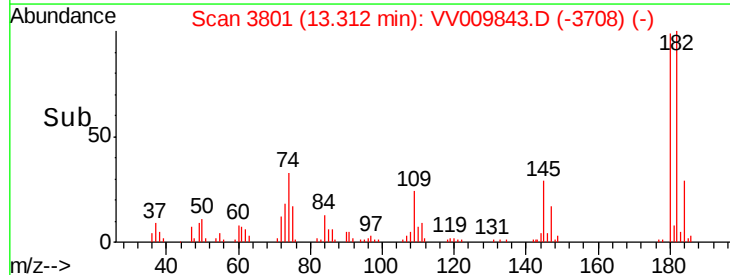
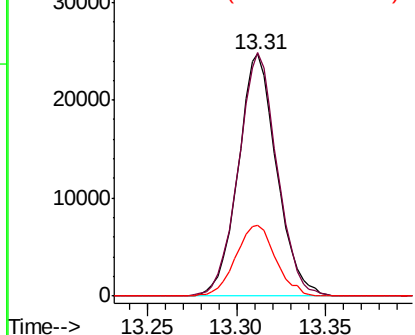


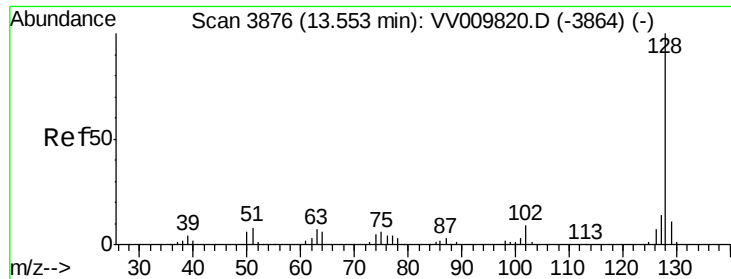
#68
 1,2,4-trichlorobenzene
 Concen: 4.392 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009843.D
 Acq: 22 Mar 2019 21:59

Tgt Ion:180 Resp: 37229
 Ion Ratio Lower Upper
 180 100
 182 100.7 75.2 112.8
 145 30.2 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.273 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00540

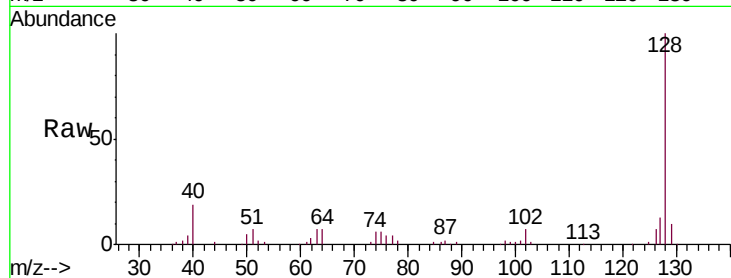
Tgt Ion:128 Resp: 56871

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

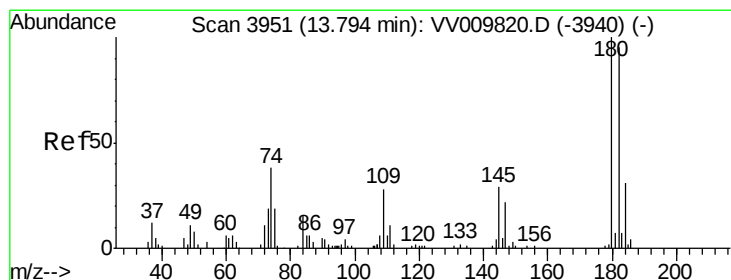
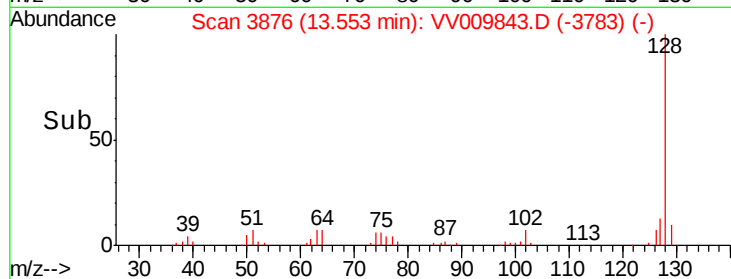
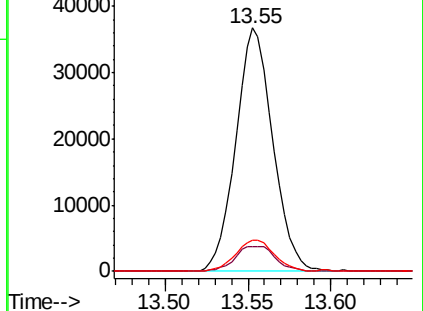
127 13.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.685 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009843.D

Acq: 22 Mar 2019 21:59

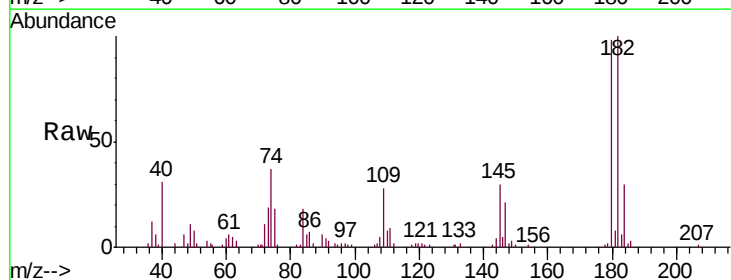
Tgt Ion:180 Resp: 36860

Ion Ratio Lower Upper

180 100

182 93.9 76.8 115.2

145 29.1 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

