

Data File : VV012519.D
Acq On : 02 Sep 2019 10:42
Operator : SY/MD
Sample : VSTD01033
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Sep 03 01:48:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 01:44:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	167170	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165812	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	83684	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	157816	10.37	ug/L	0.00
7) Chloroethane-d5	1.58	69	179356	15.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	374585	13.59	ug/L	0.00
20) 2-Butanone-d5	3.94	46	317605	104.42	ug/L	-0.03
24) Chloroform-d	4.40	84	250921	9.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	125913	10.12	ug/L	0.00
32) Benzene-d6	5.10	84	468737	9.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	144022	9.32	ug/L	0.00
41) Toluene-d8	7.36	98	446921	10.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	54982	10.07	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	228690	106.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100516	9.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	147139	9.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	206130	9.402 ug/L	99
3) Chloromethane	1.25	50	236962	10.351 ug/L	97
5) Vinyl chloride	1.32	62	256932	11.531 ug/L	100
6) Bromomethane	1.54	94	170315	13.766 ug/L	97
8) Chloroethane	1.60	64	211042	16.675 ug/L	99
9) Trichlorofluoromethane	1.77	101	389711	12.970 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	220286	14.289 ug/L	100
12) 1,1-Dichloroethene	2.14	96	203519	13.943 ug/L	96
13) Acetone	2.20	43	392964	147.882 ug/L	99
14) Carbon disulfide	2.32	76	641094	14.321 ug/L	100
15) Methyl Acetate	2.46	43	96421	14.592 ug/L	98
16) Methylene chloride	2.53	84	222697	13.304 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	364572	10.381 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	166574	10.168 ug/L	98
19) 1,1-Dichloroethane	3.23	63	325329	10.186 ug/L	99
21) 2-Butanone	4.02	43	441197	108.025 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	177438	10.442 ug/L	98
23) Bromochloromethane	4.30	128	69599	9.558 ug/L	96
25) Chloroform	4.42	83	328211	9.820 ug/L	99
27) 1,2-Dichloroethane	5.18	62	203608	10.692 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	265779	9.979 ug/L	98
30) Cyclohexane	4.72	56	290478	10.710 ug/L	99
31) Carbon tetrachloride	4.87	117	231647	9.890 ug/L	100
33) Benzene	5.14	78	696664	10.173 ug/L	100
34) Trichloroethene	5.96	95	183558	10.471 ug/L	99
35) Methylcyclohexane	6.17	83	299198	11.222 ug/L	98
37) 1,2-Dichloropropane	6.22	63	177472	10.011 ug/L	99
38) Bromodichloromethane	6.55	83	225660	10.128 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	251835	10.893 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1106130	108.200 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	766240	10.898	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	196388	10.888	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	110990	9.378	ug/L	97
47) Tetrachloroethene	8.02	164	132571	9.594	ug/L	94
48) 2-Hexanone	8.18	43	800795	114.913	ug/L	100
49) Dibromochloromethane	8.29	129	134390	9.995	ug/L	99
50) 1,2-Dibromoethane	8.40	107	101591	9.764	ug/L	95
51) Chlorobenzene	8.92	112	463376	10.414	ug/L	97
52) Ethylbenzene	9.05	91	857033	11.458	ug/L	100
53) m,p-xylene	9.18	106	310581	11.458	ug/L	99
54) o-xylene	9.59	106	299372	11.271	ug/L	100
55) Styrene	9.60	104	520842	11.733	ug/L	99
56) Isopropylbenzene	9.97	105	837543	11.901	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	128490	9.326	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	98170	9.882	ug/L	96
61) Bromoform	9.77	173	66568	8.804	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	357715	10.241	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	357075	10.185	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	327481	9.974	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	19459	8.779	ug/L #	92
67) 1,3,5-Trichlorobenzene	12.69	180	265673	10.205	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	205510	10.764	ug/L	99
69) Naphthalene	13.55	128	325361	11.805	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	187420	10.403	ug/L	95

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

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ALS Vial      : 5      Sample Multiplier: 1
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MSVOA_V
ClientSampleId :
VSTD01033

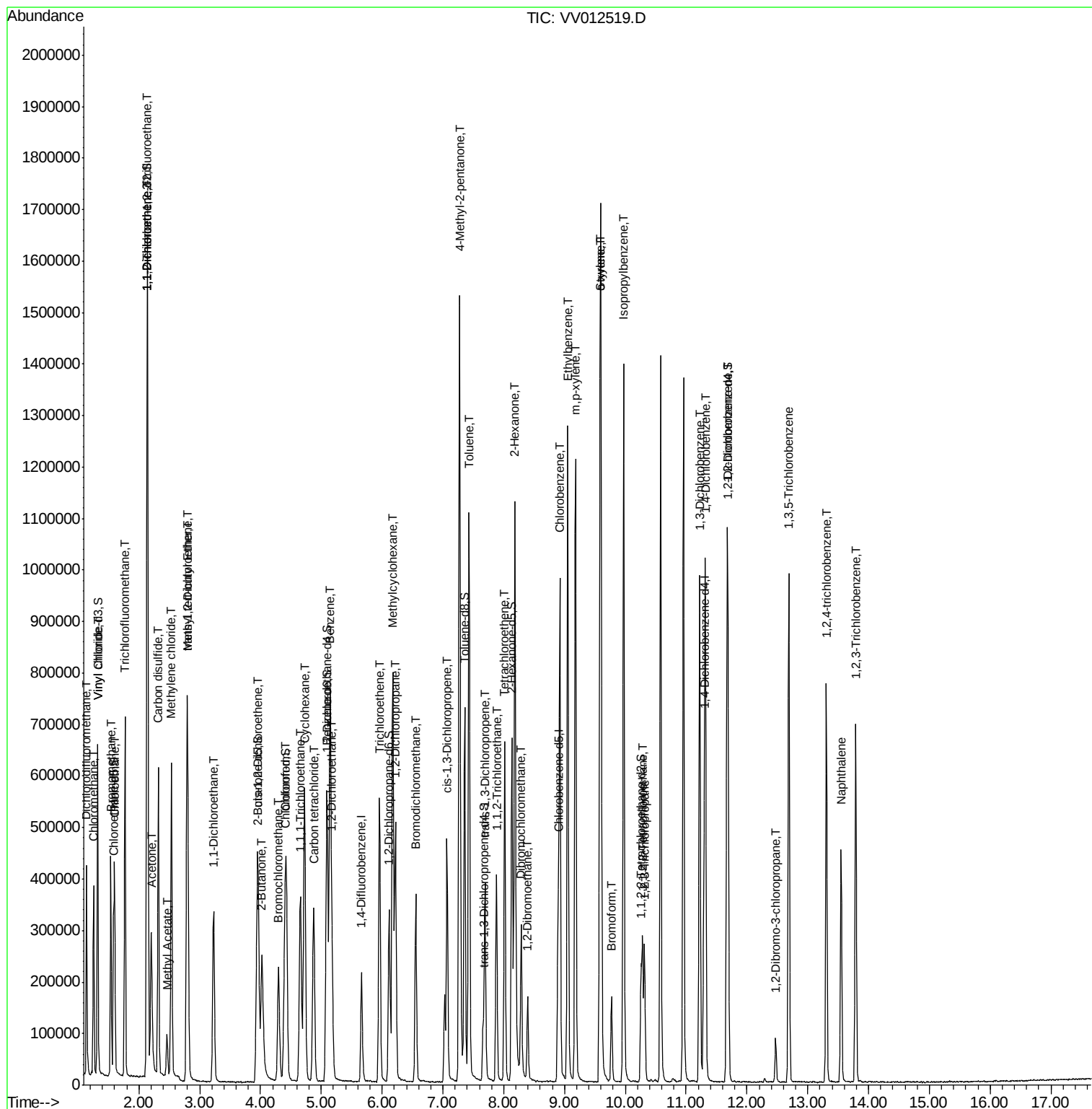
Quant Time: Sep 03 01:48:58 2019

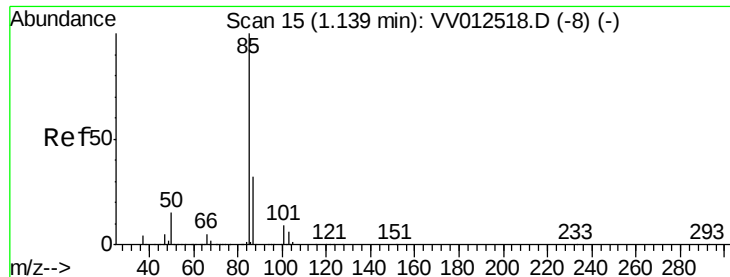
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 03 01:44:55 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.402 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

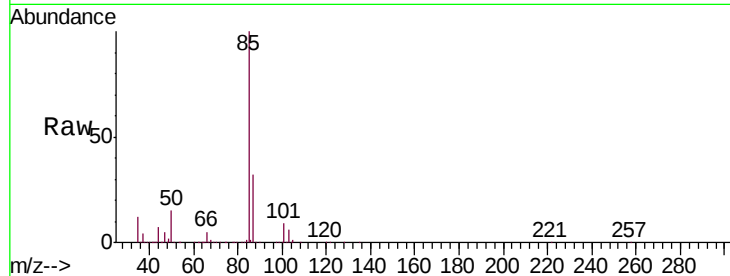
VSTD01033

Tgt Ion: 85 Resp: 206130

Ion Ratio Lower Upper

85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV012519.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012519.D (-8) (-)

1.14

200000

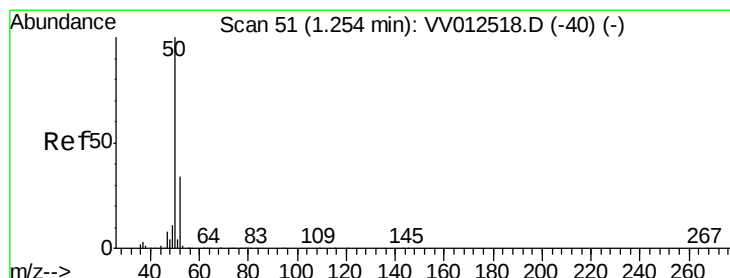
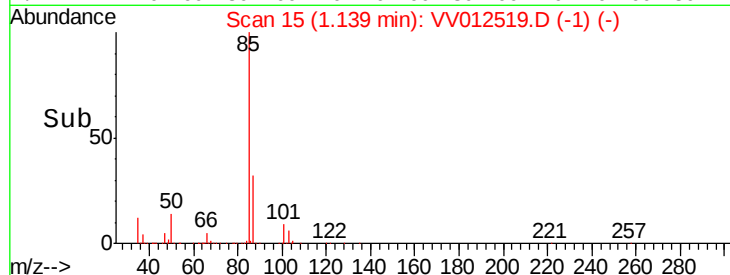
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.351 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012519.D

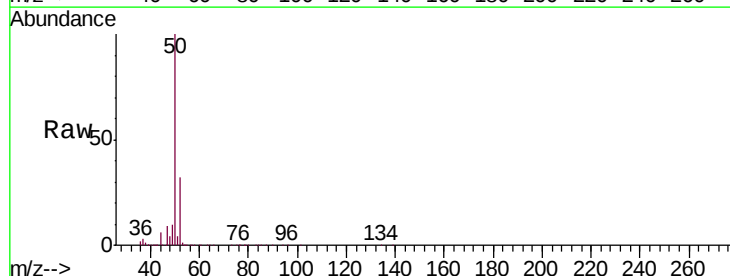
Acq: 02 Sep 2019 10:42

Tgt Ion: 50 Resp: 236962

Ion Ratio Lower Upper

50 100

52 32.1 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV012519.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012519.D (-40) (-)

1.25

250000

200000

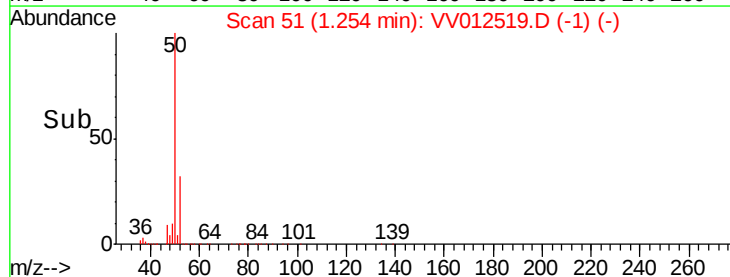
150000

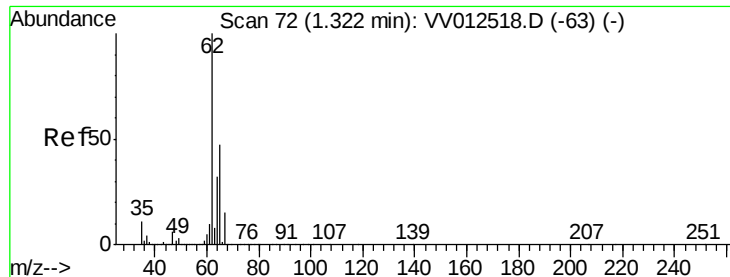
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 11.531 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

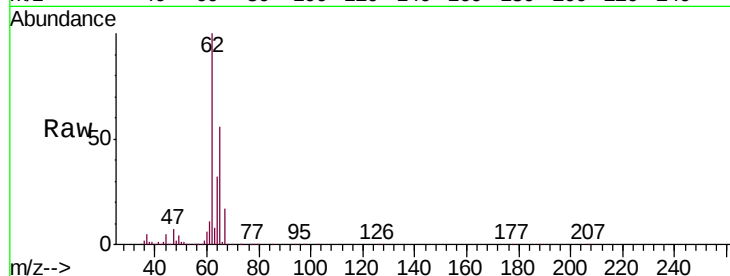
VSTD01033

Tgt Ion: 62 Resp: 256932

Ion Ratio Lower Upper

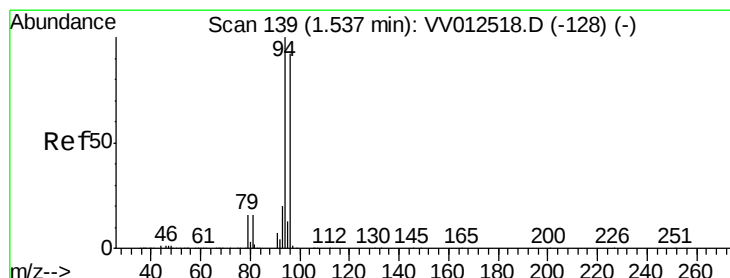
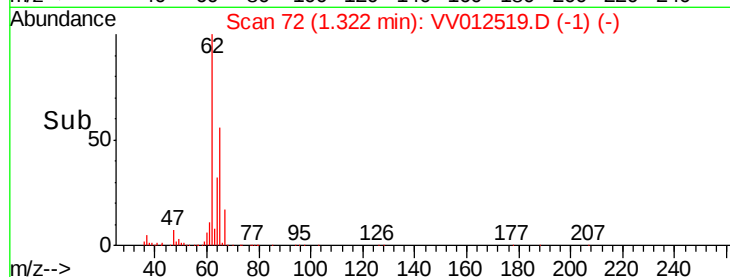
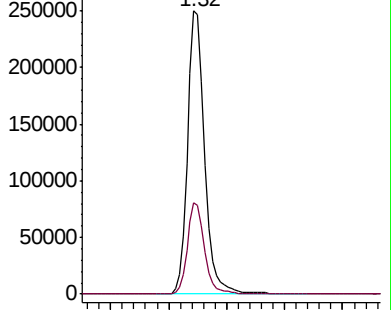
62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV012519.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV012519.D (-64) (-)



#6

Bromomethane

Concen: 13.766 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012519.D

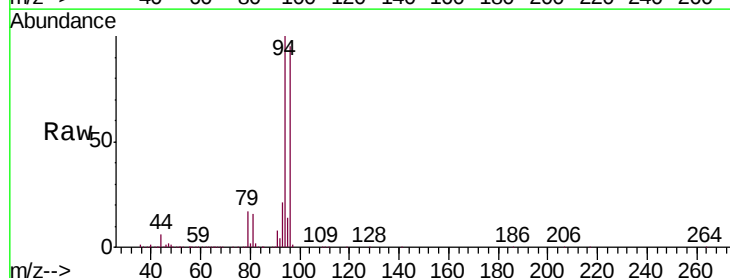
Acq: 02 Sep 2019 10:42

Tgt Ion: 94 Resp: 170315

Ion Ratio Lower Upper

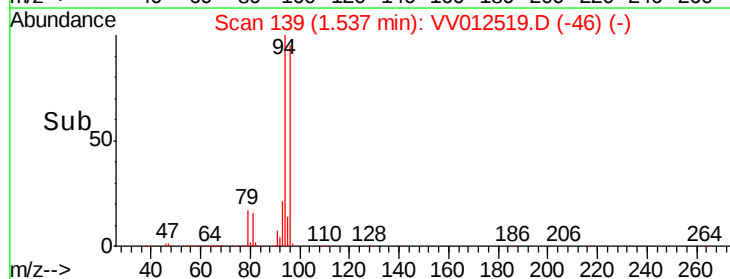
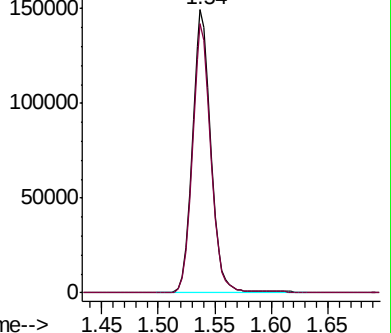
94 100

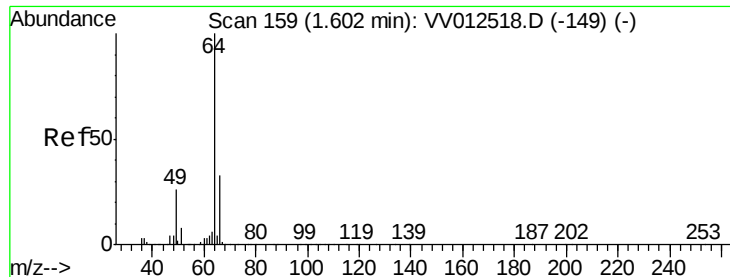
96 94.9 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV012519.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VV012519.D (-96) (-)





#8

Chloroethane

Concen: 16.675 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

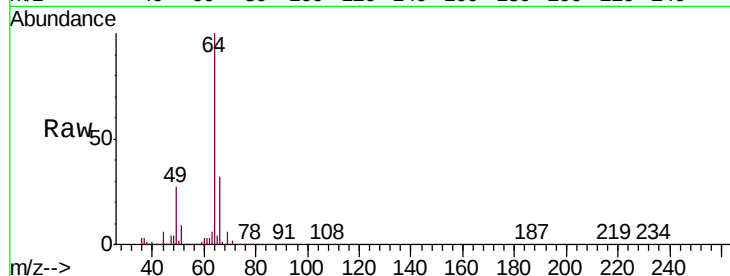
VSTD01033

Tgt Ion: 64 Resp: 211042

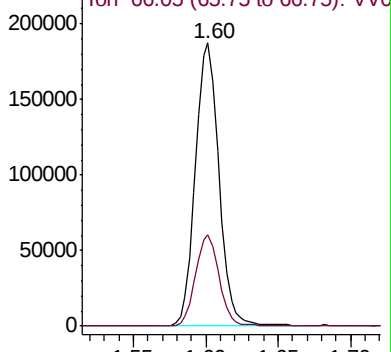
Ion Ratio Lower Upper

64 100

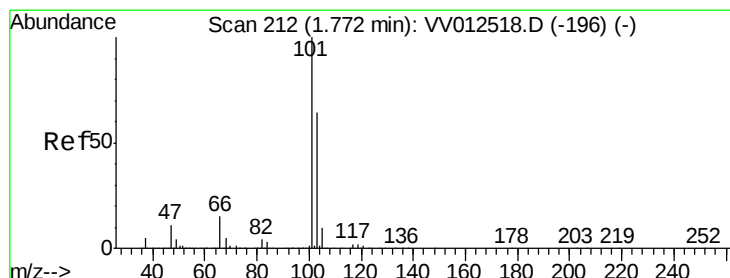
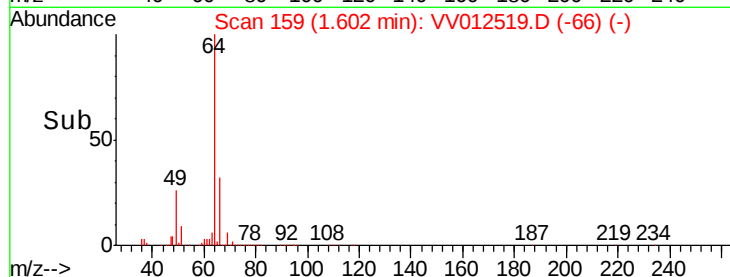
66 32.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV012519.D (-66) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 12.970 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012519.D

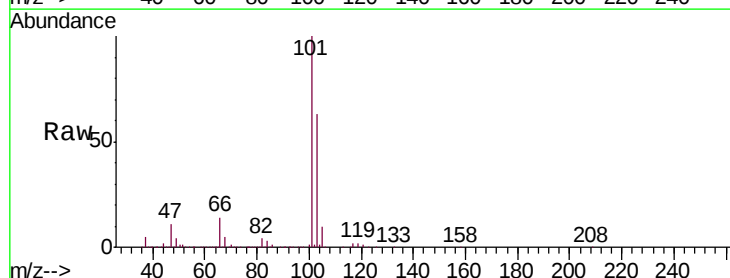
Acq: 02 Sep 2019 10:42

Tgt Ion: 101 Resp: 389711

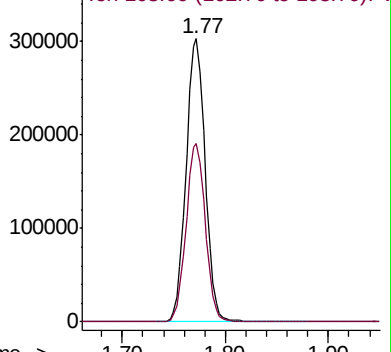
Ion Ratio Lower Upper

101 100

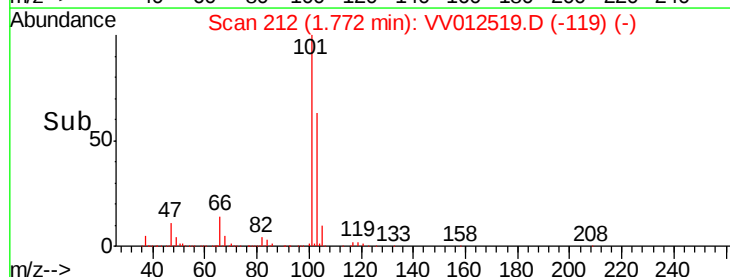
103 63.7 51.2 76.8

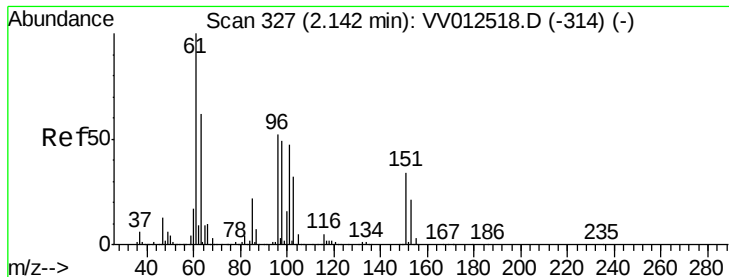


Abundance Ion 101.00 (100.70 to 101.70): VV012519.D (-119) (-)



Time-->





#10

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

Concen: 14.289 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

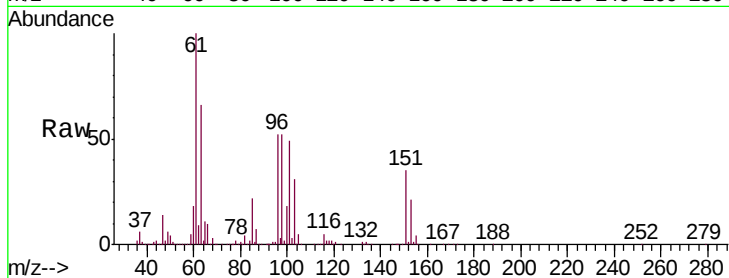
Tgt Ion: 101 Resp: 220286

Ion Ratio Lower Upper

101 100

85 46.4 37.4 56.0

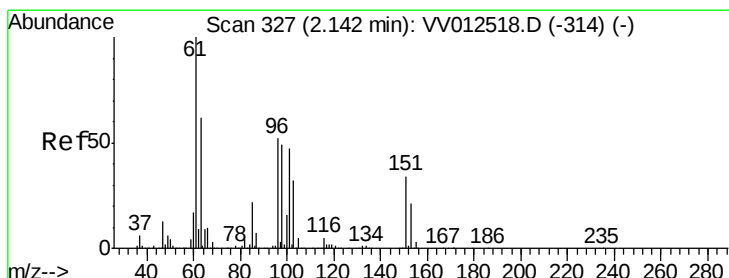
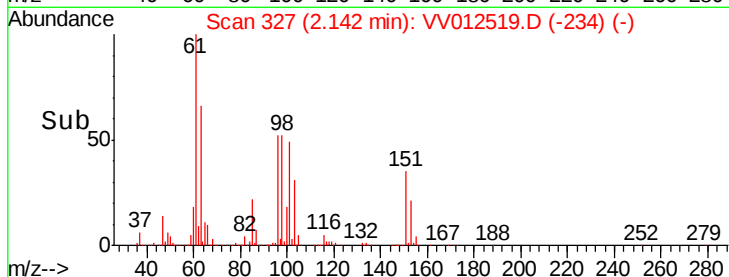
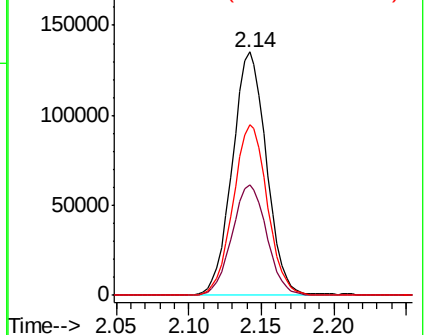
151 70.9 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): VV012518.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV012519.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV012519.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 13.943 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

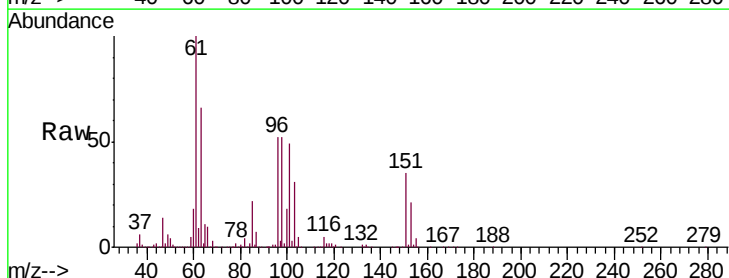
Tgt Ion: 96 Resp: 203519

Ion Ratio Lower Upper

96 100

61 192.7 133.7 248.3

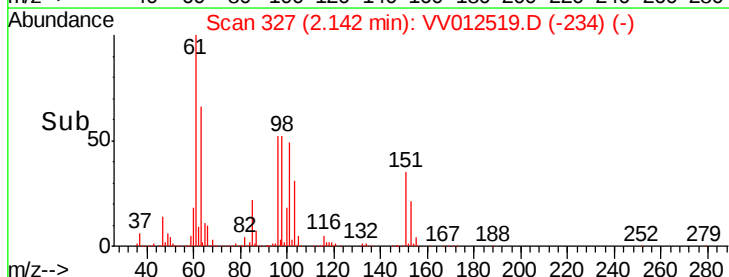
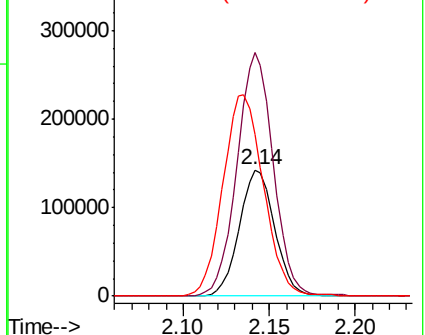
63 127.6 83.2 154.6

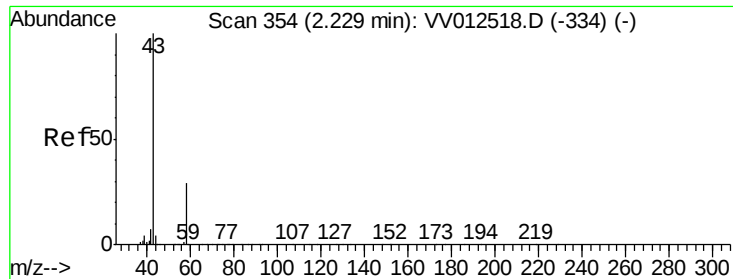


Abundance Ion 96.00 (95.70 to 96.70): VV012518.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV012519.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV012519.D (-234) (-)





#13

Acetone

Concen: 147.882 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

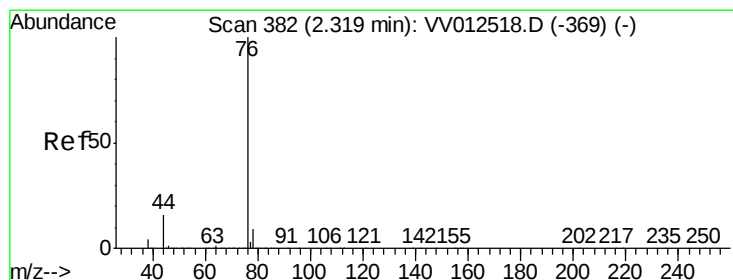
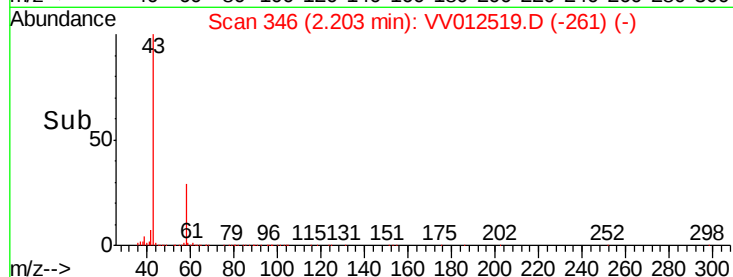
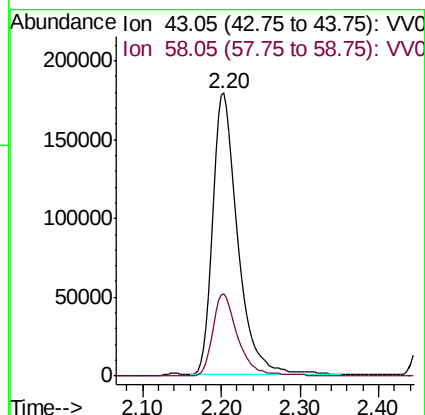
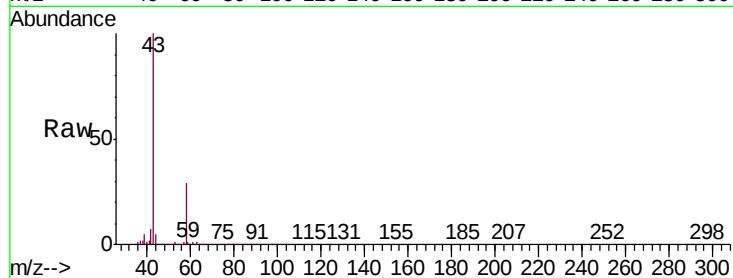
VSTD01033

Tgt Ion: 43 Resp: 392964

Ion Ratio Lower Upper

43 100

58 28.8 0.0 58.2



#14

Carbon disulfide

Concen: 14.321 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012519.D

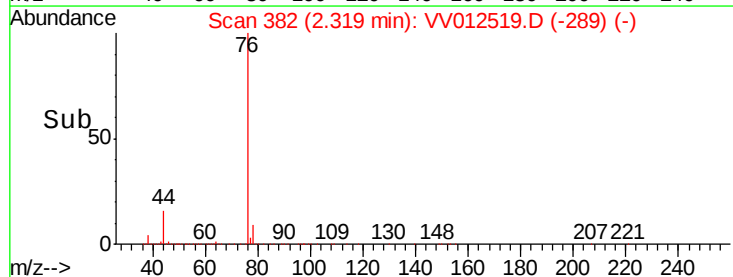
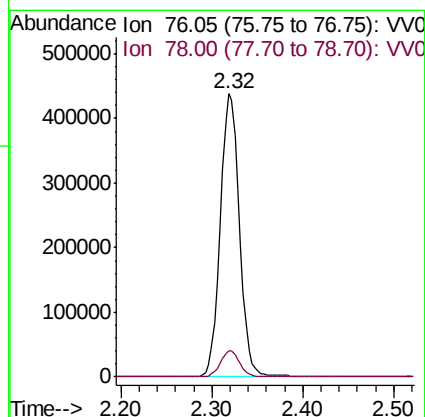
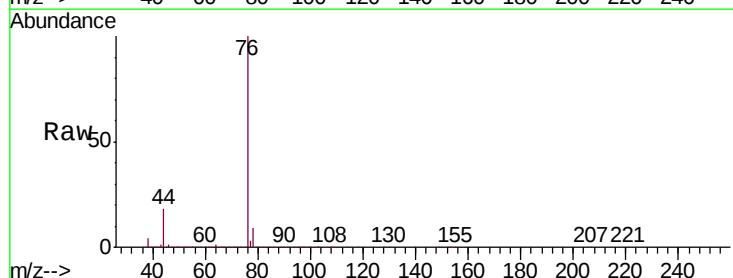
Acq: 02 Sep 2019 10:42

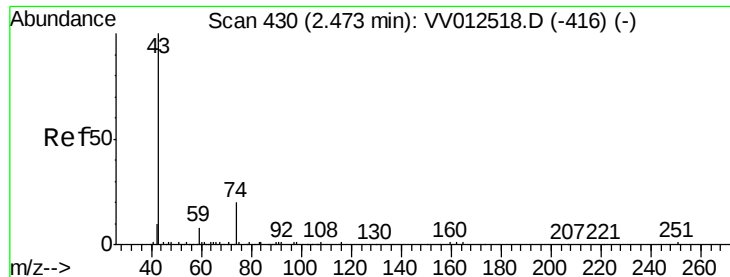
Tgt Ion: 76 Resp: 641094

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

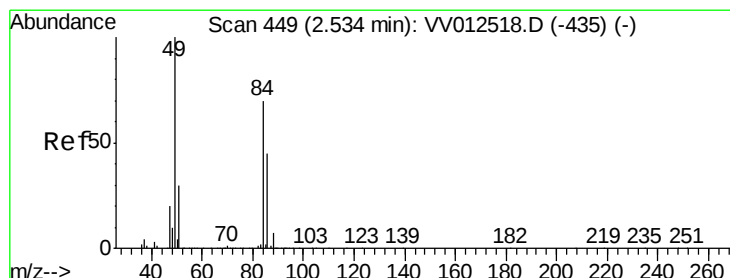
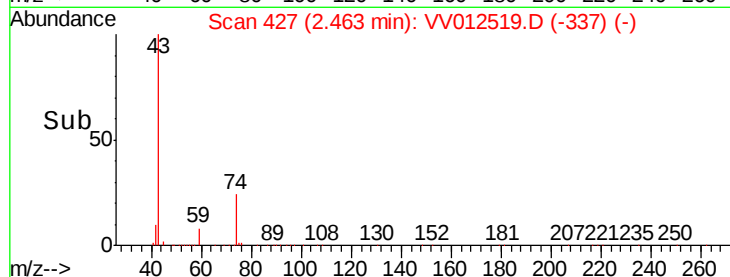
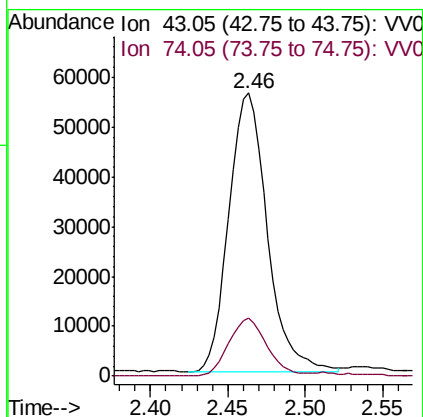
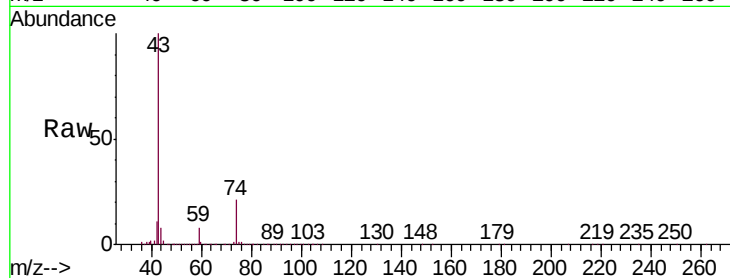




#15
Methyl Acetate
Concen: 14.592 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

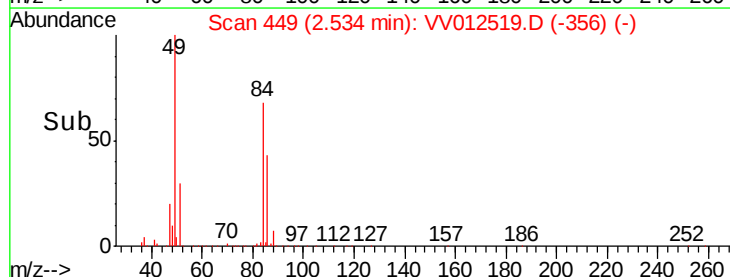
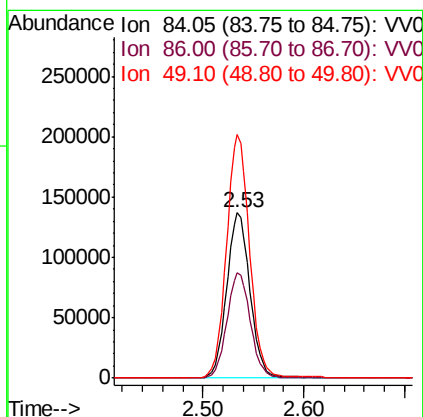
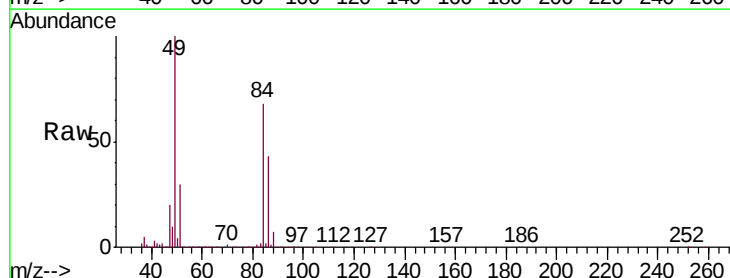
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

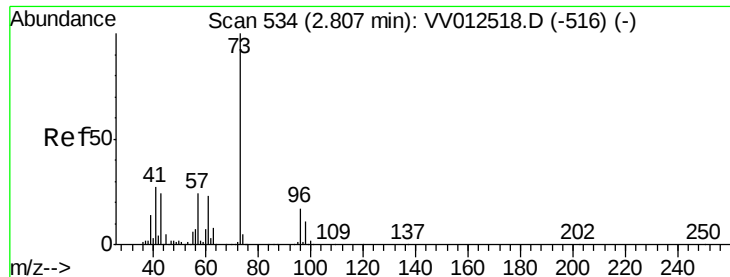
Tgt Ion: 43 Resp: 96421
Ion Ratio Lower Upper
43 100
74 20.8 17.3 25.9



#16
Methylene chloride
Concen: 13.304 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion: 84 Resp: 222697
Ion Ratio Lower Upper
84 100
86 63.7 45.2 84.0
49 147.3 100.4 186.4

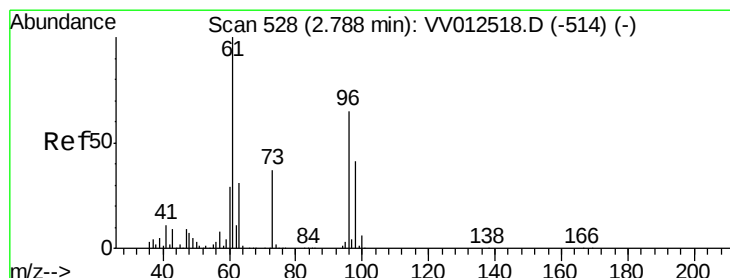
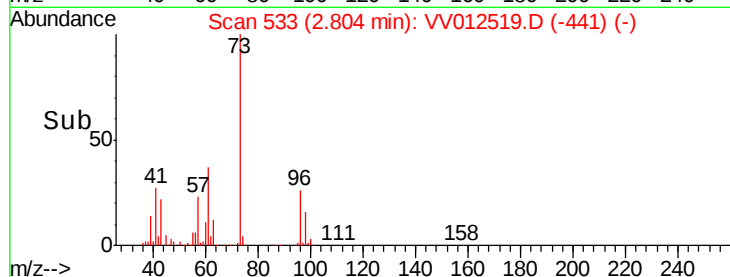
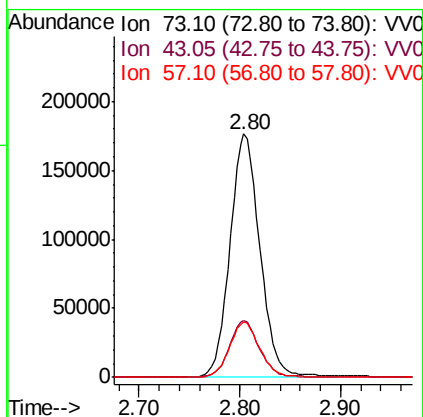
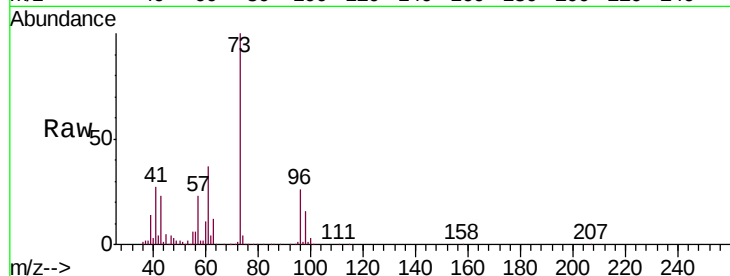




#17
Methyl tert-butyl Ether
Concen: 10.381 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

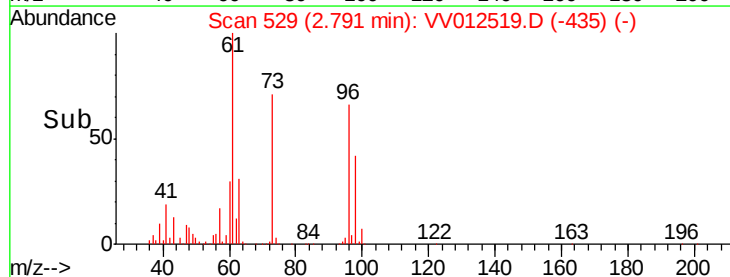
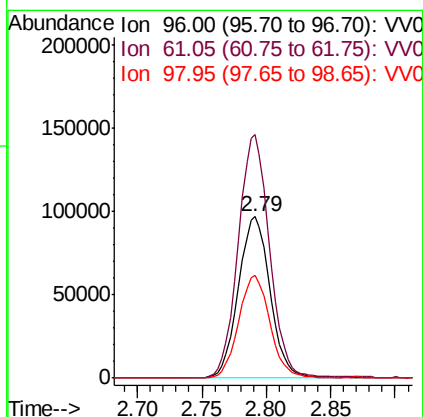
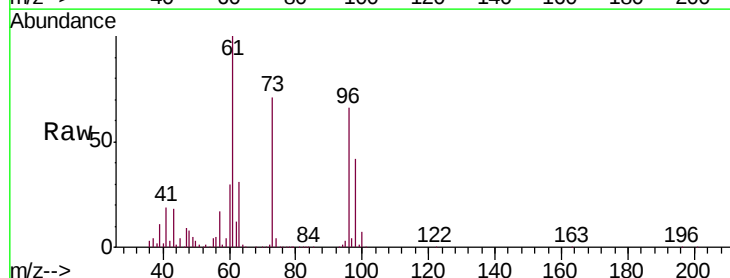
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

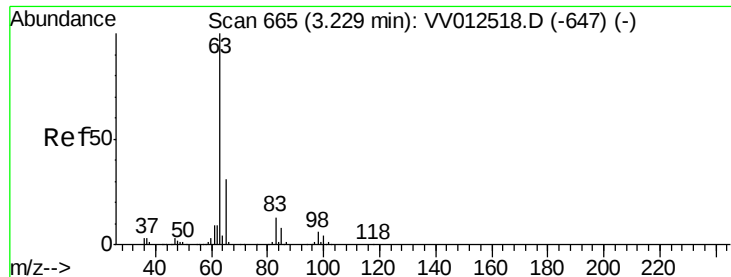
Tgt Ion: 73 Resp: 364572
Ion Ratio Lower Upper
73 100
43 23.1 18.9 28.3
57 23.0 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 10.168 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion: 96 Resp: 166574
Ion Ratio Lower Upper
96 100
61 150.8 107.6 199.8
98 63.4 44.4 82.4





#19

1,1-Dichloroethane

Concen: 10.186 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

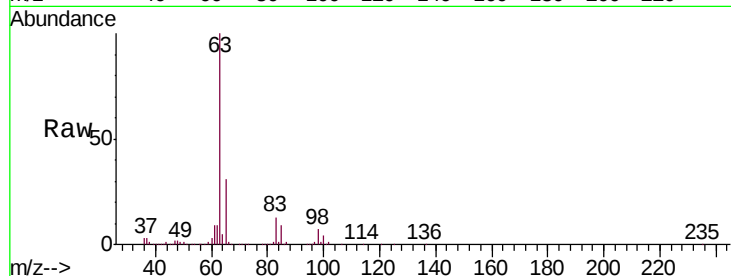
Tgt Ion: 63 Resp: 325329

Ion Ratio Lower Upper

63 100

65 31.5 21.5 39.9

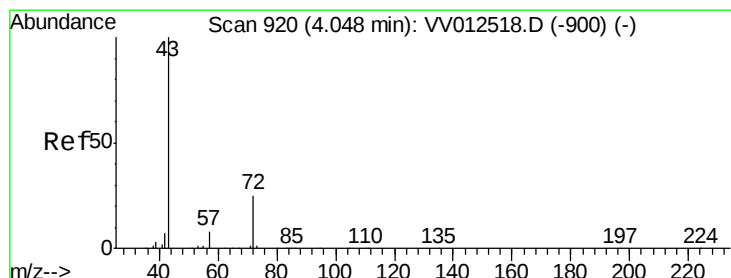
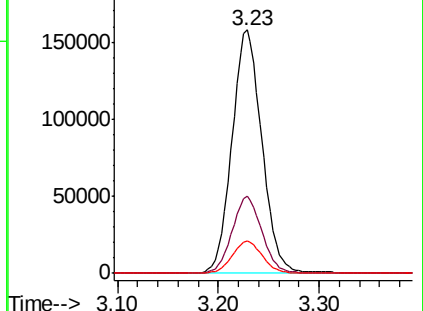
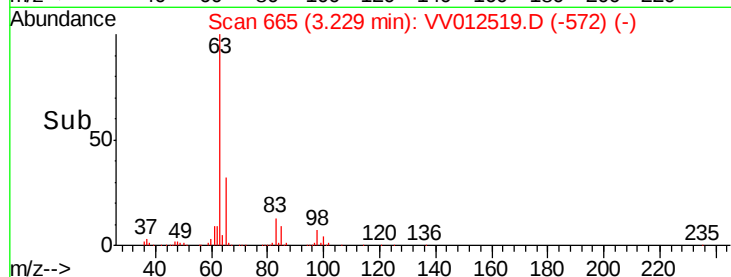
83 13.1 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV012519.D (-572) (-)

Ion 65.10 (64.80 to 65.80): VV012519.D (-572) (-)

Ion 83.05 (82.75 to 83.75): VV012519.D (-572) (-)



#21

2-Butanone

Concen: 108.025 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.03 min

Lab File: VV012519.D

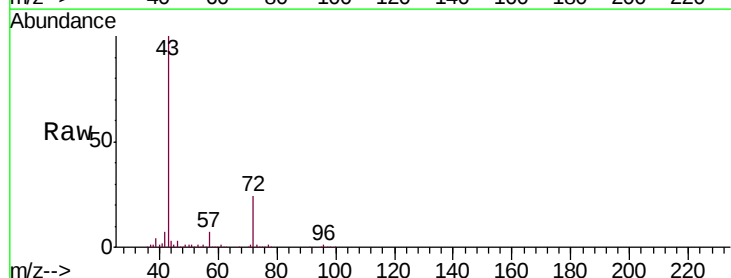
Acq: 02 Sep 2019 10:42

Tgt Ion: 43 Resp: 441197

Ion Ratio Lower Upper

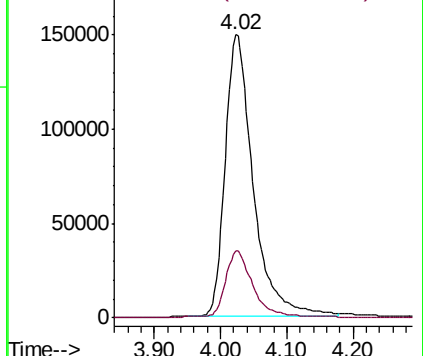
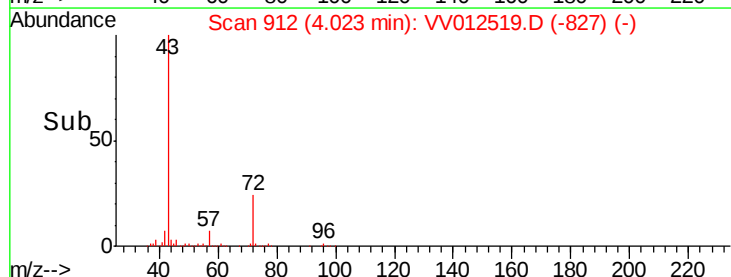
43 100

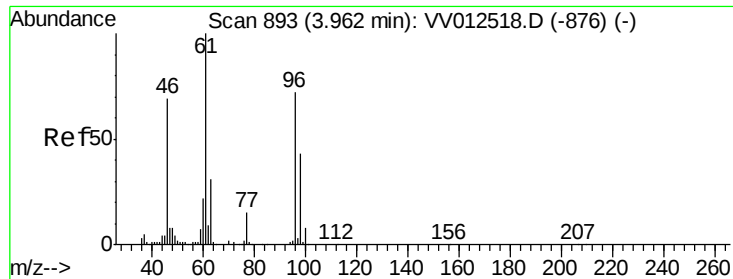
72 22.7 11.4 34.1



Abundance Ion 43.05 (42.75 to 43.75): VV012519.D (-827) (-)

Ion 72.10 (71.80 to 72.80): VV012519.D (-827) (-)



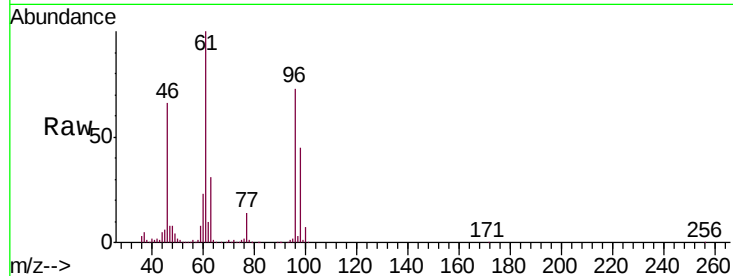


#22

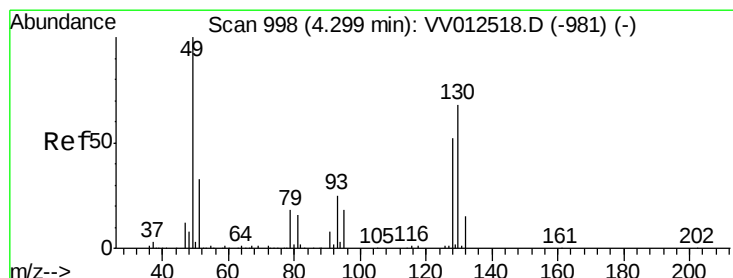
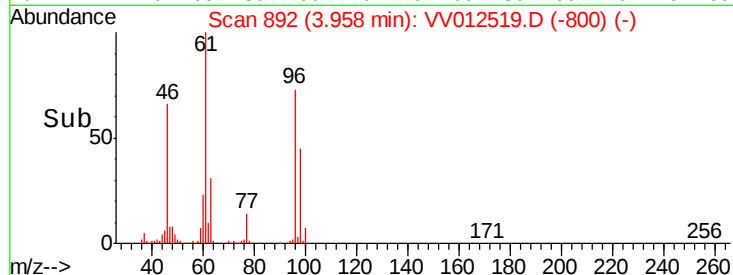
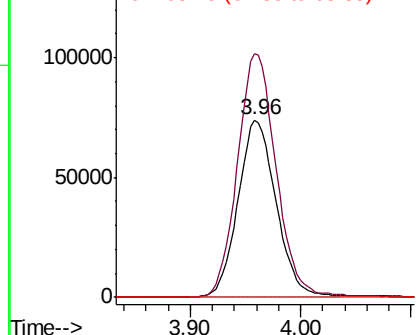
cis-1,2-Dichloroethene
 Concen: 10.442 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 96 Resp: 177438
 Ion Ratio Lower Upper
 96 100
 61 137.4 97.5 181.1
 68 0.0 0.0 0.0



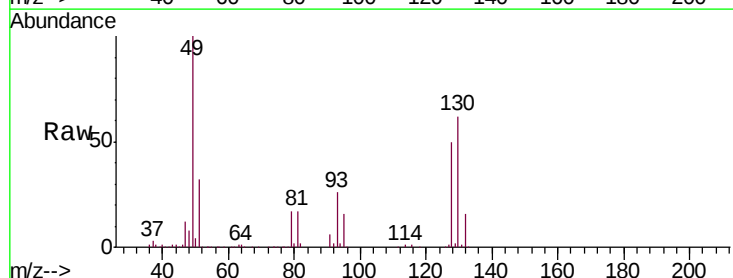
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



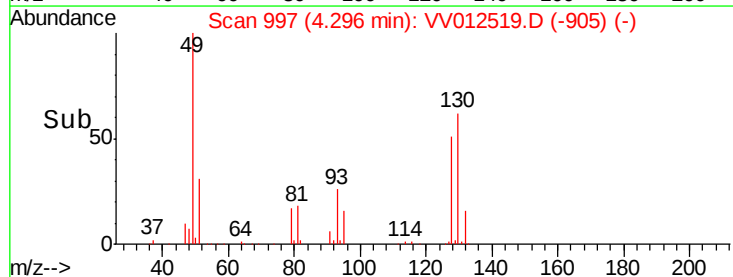
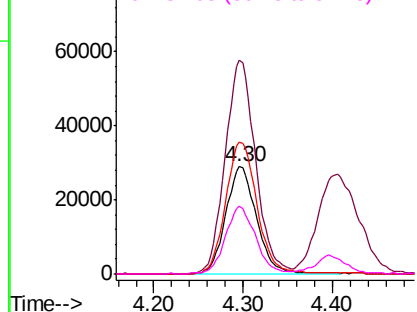
#23

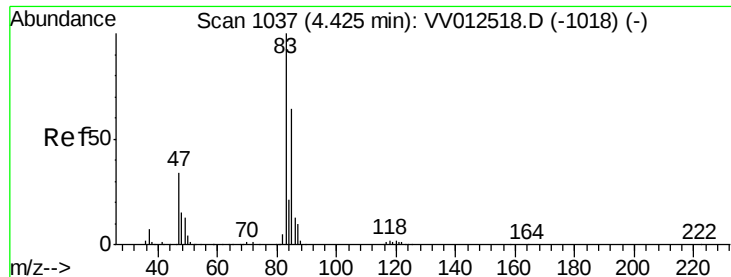
Bromochloromethane
 Concen: 9.558 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion: 128 Resp: 69599
 Ion Ratio Lower Upper
 128 100
 49 199.8 136.5 253.5
 130 123.3 92.1 171.1
 51 63.1 52.5 78.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

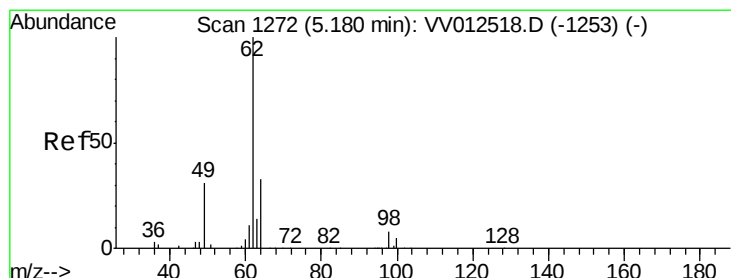
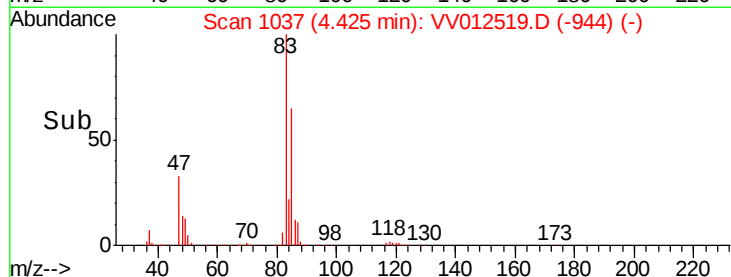
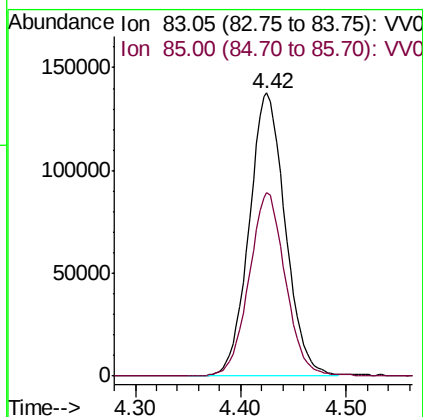
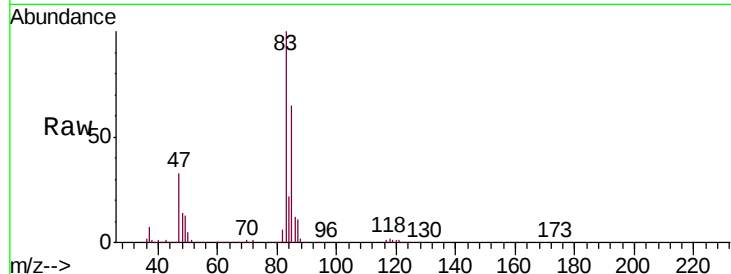




#25
Chloroform
Concen: 9.820 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

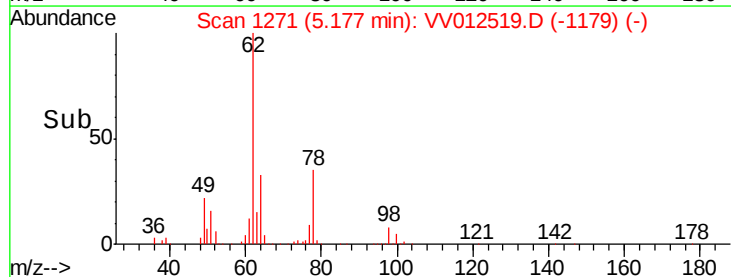
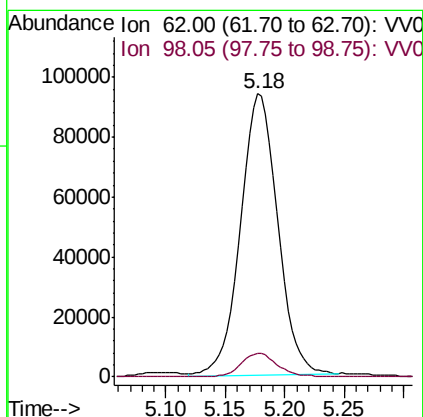
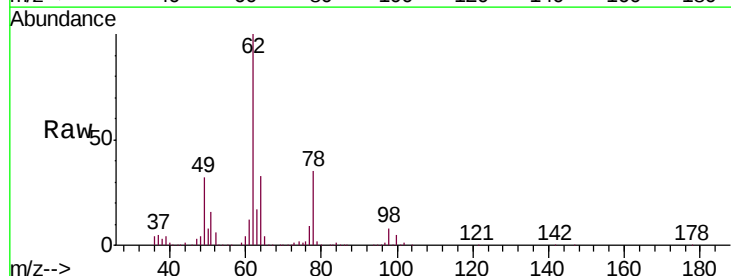
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

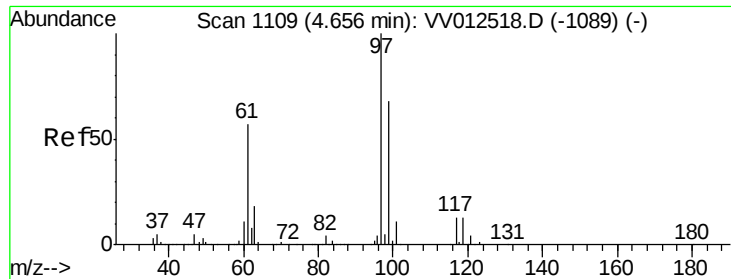
Tgt Ion: 83 Resp: 328211
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.692 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion: 62 Resp: 203608
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1

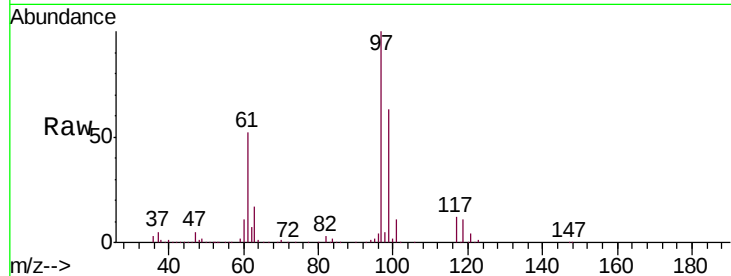




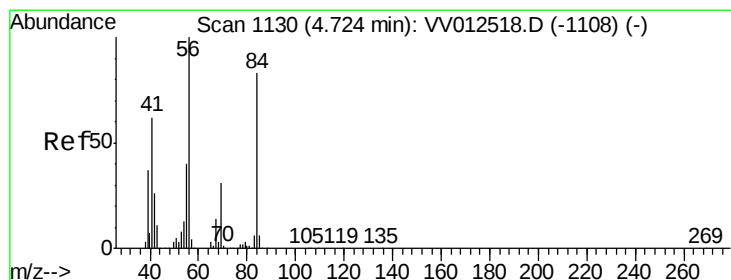
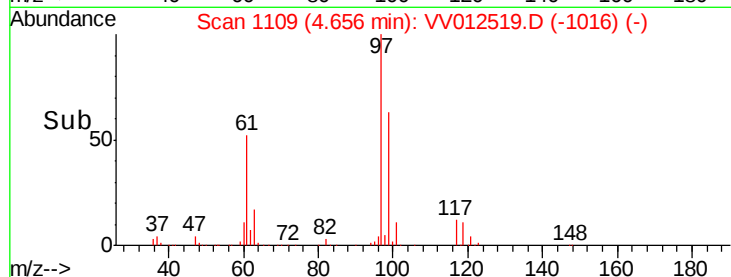
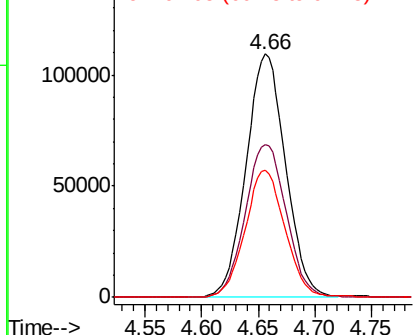
#29
 1,1,1-Trichloroethane
 Concen: 9.979 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 97 Resp: 265779
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.6 79.0
 61 52.2 43.4 65.2

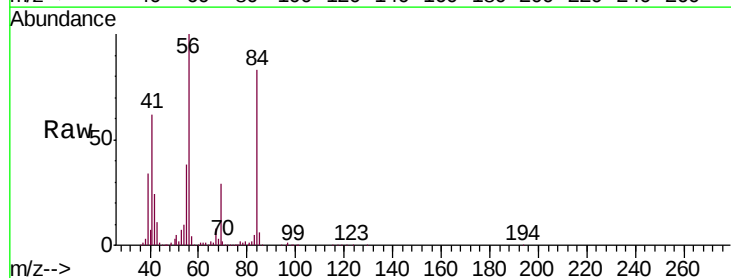


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

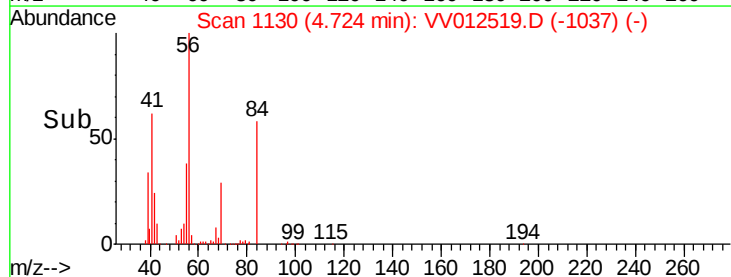
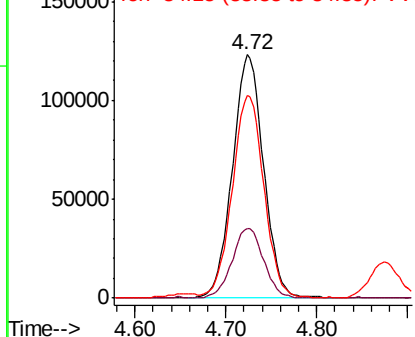


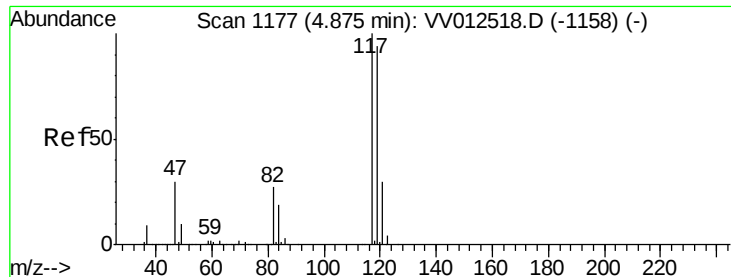
#30
 Cyclohexane
 Concen: 10.710 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion: 56 Resp: 290478
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.5 35.3
 84 84.9 67.1 100.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.890 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

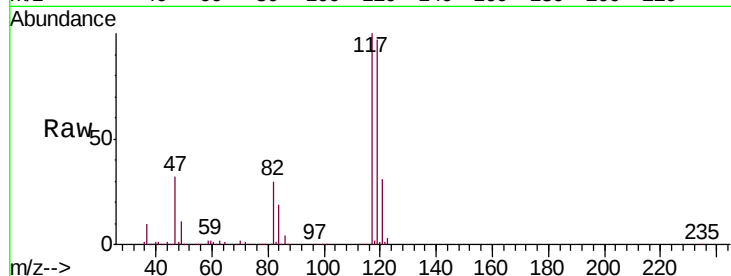
VSTD01033

Tgt Ion:117 Resp: 231647

Ion Ratio Lower Upper

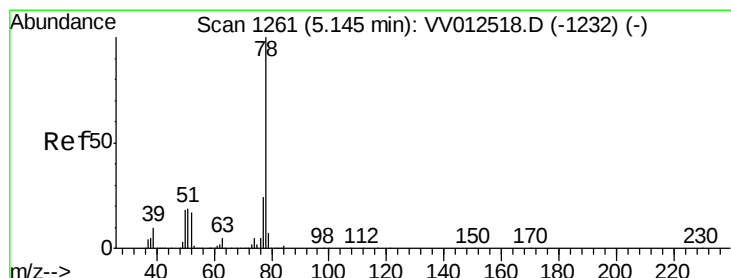
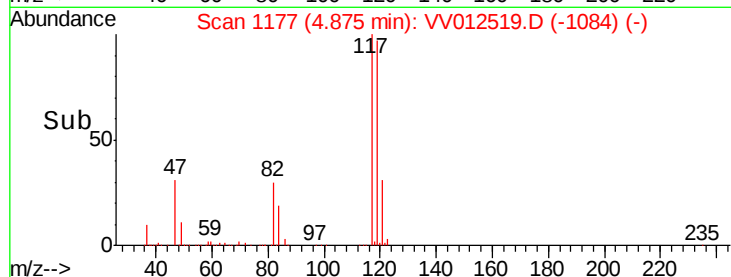
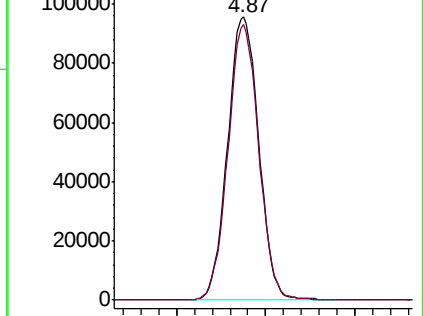
117 100

119 95.9 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.173 ug/L

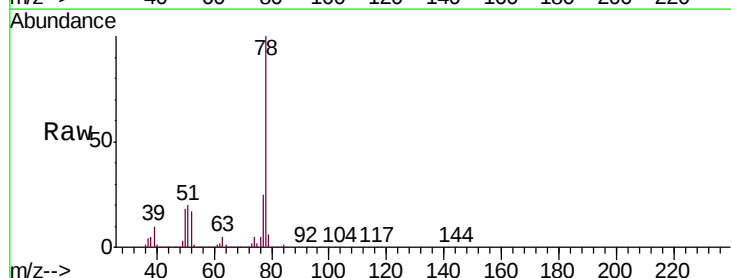
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

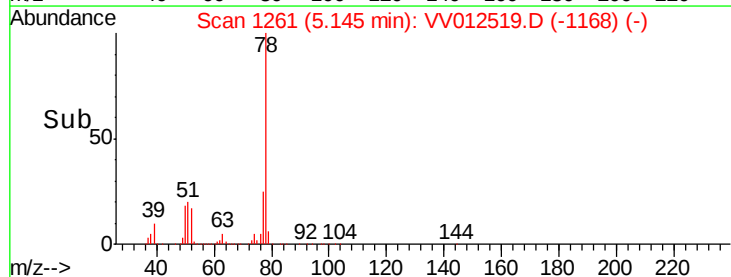
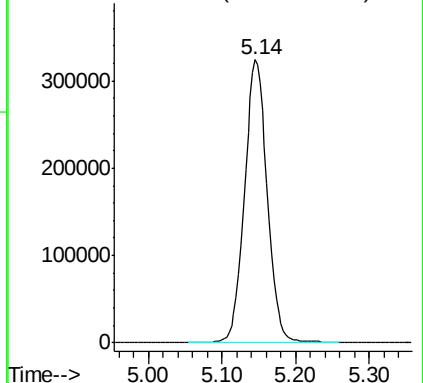
Lab File: VV012519.D

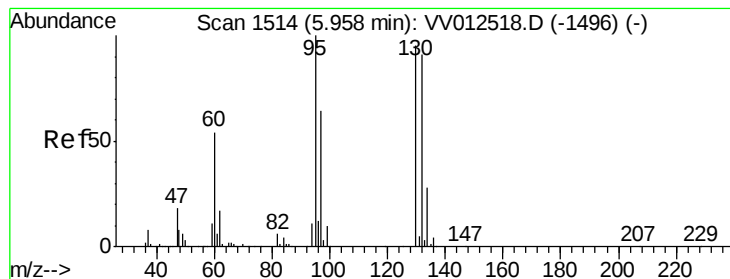
Acq: 02 Sep 2019 10:42

Tgt Ion: 78 Resp: 696664



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.471 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tgt Ion: 95 Resp: 183558

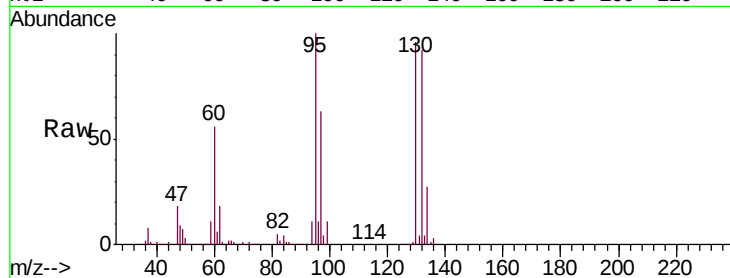
Ion Ratio Lower Upper

95 100

97 63.3 44.7 83.1

132 92.1 63.8 118.4

130 96.2 66.6 123.6

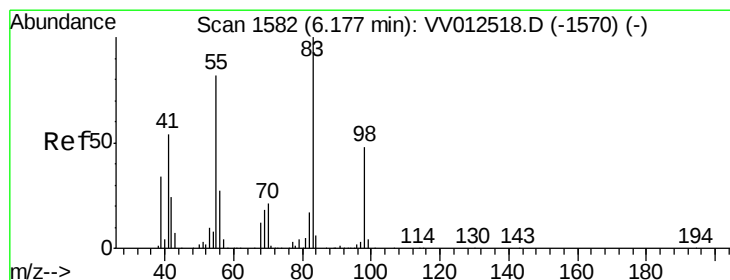
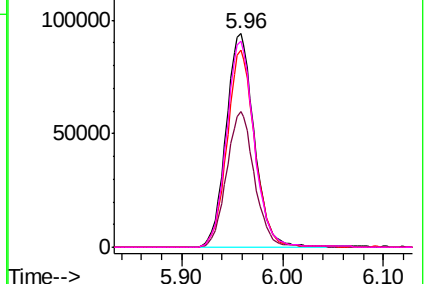
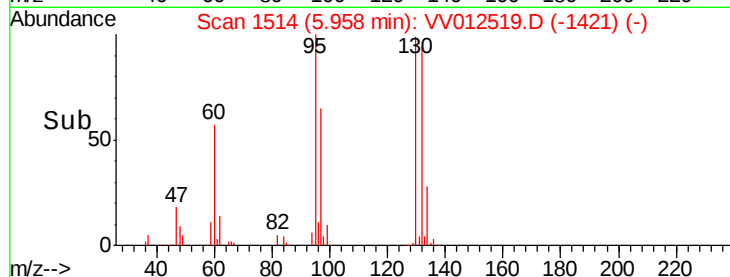


Abundance Ion 95.00 (94.70 to 95.70): VV012519.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV012519.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV012519.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV012519.D (-1421) (-)



#35

Methylcyclohexane

Concen: 11.222 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

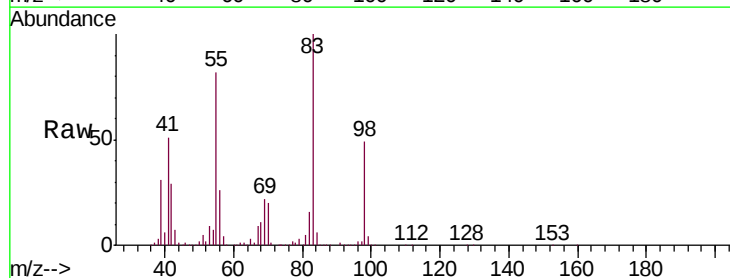
Tgt Ion: 83 Resp: 299198

Ion Ratio Lower Upper

83 100

55 82.9 67.3 100.9

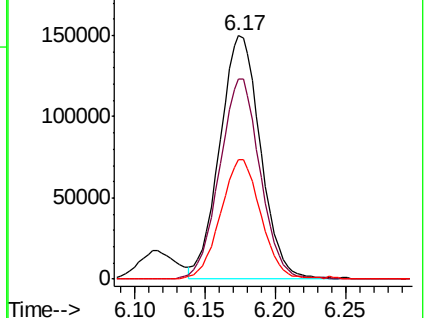
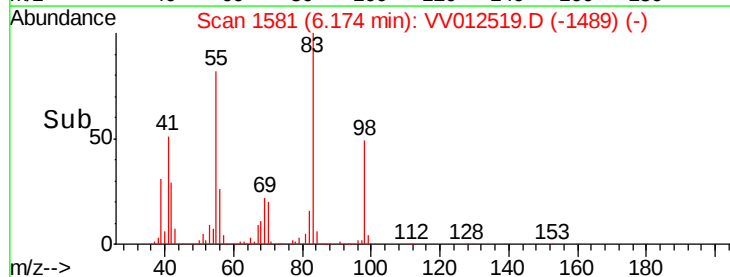
98 49.0 37.4 56.2

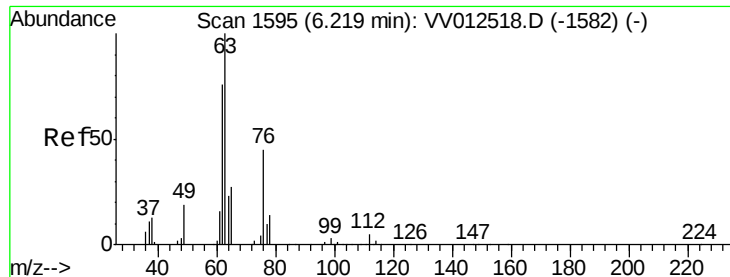


Abundance Ion 83.15 (82.85 to 83.85): VV012519.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV012519.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV012519.D (-1489) (-)





#37

1,2-Dichloropropane

Concen: 10.011 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

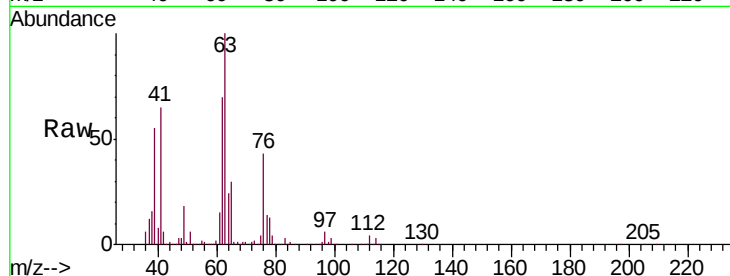
VSTD01033

Tgt Ion: 63 Resp: 177472

Ion Ratio Lower Upper

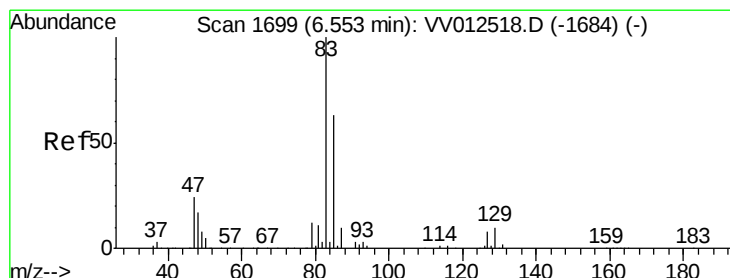
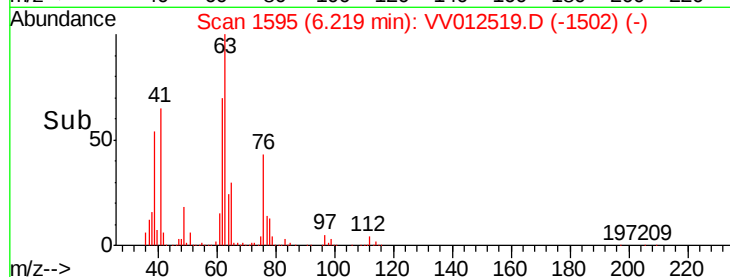
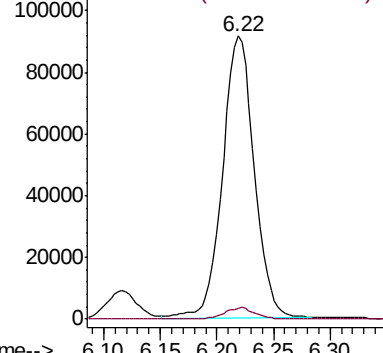
63 100

112 4.1 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 10.128 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

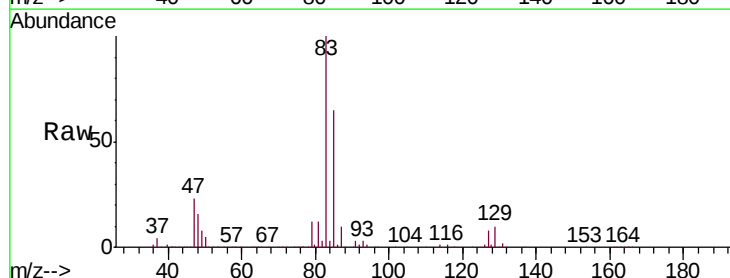
Tgt Ion: 83 Resp: 225660

Ion Ratio Lower Upper

83 100

85 65.5 44.2 82.0

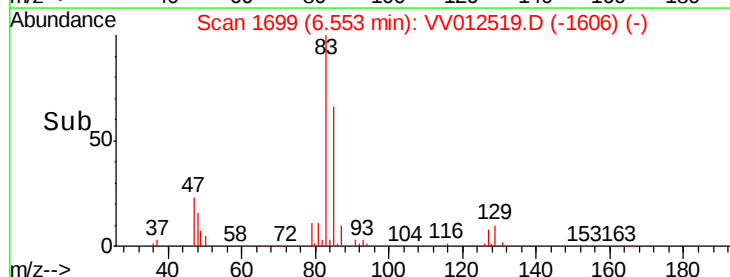
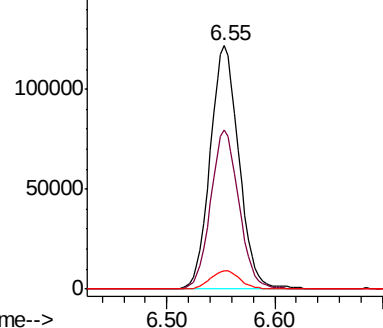
127 7.7 6.2 9.2

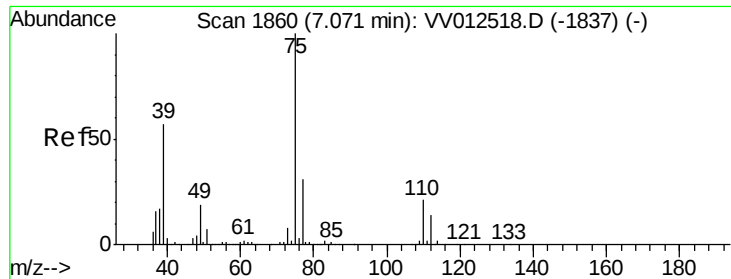


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



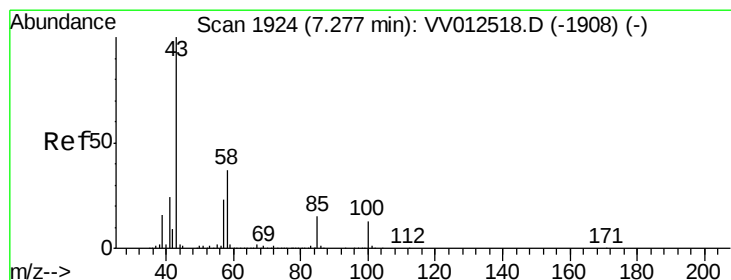
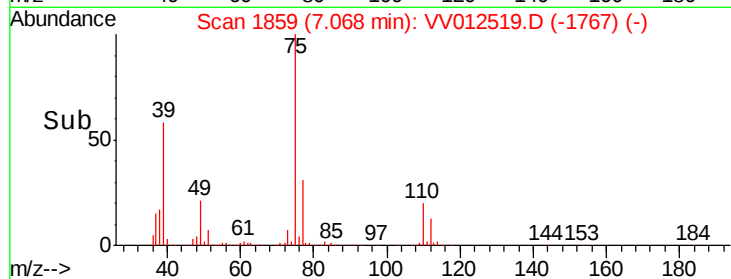
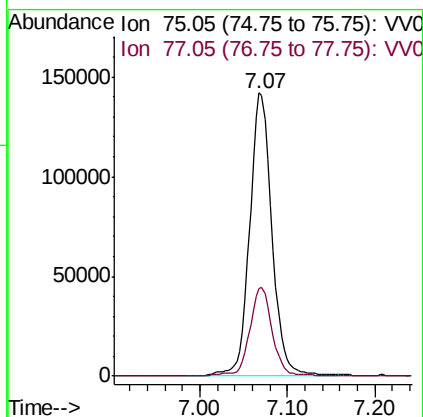
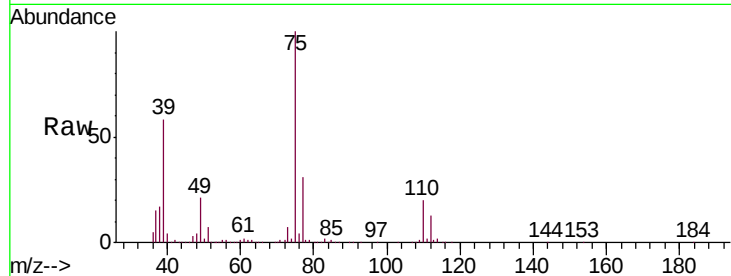


#39

cis-1,3-Dichloropropene
 Concen: 10.893 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

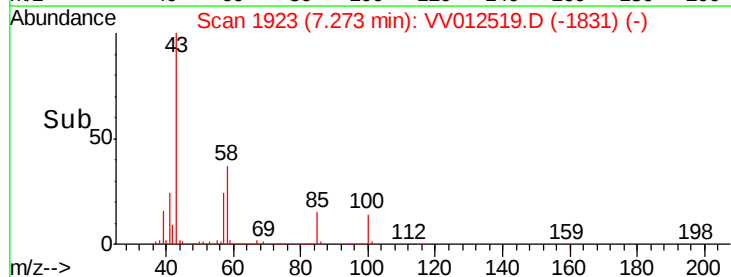
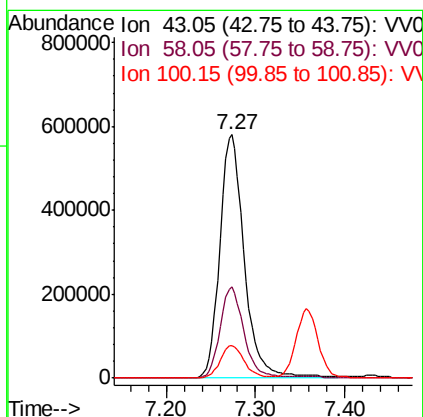
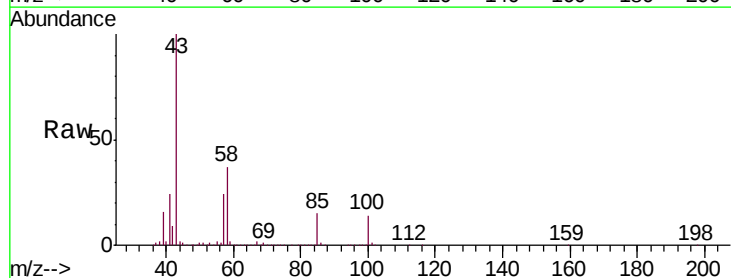
Tgt Ion: 75 Resp: 251835
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0

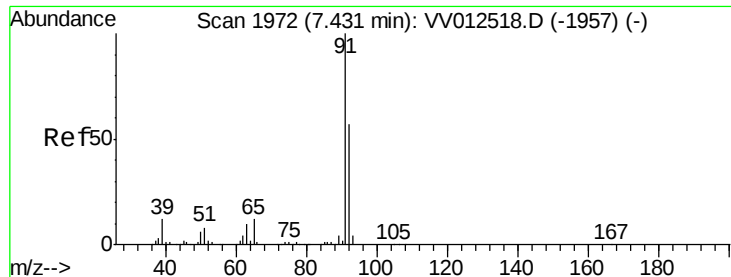


#40

4-Methyl-2-pentanone
 Concen: 108.200 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion: 43 Resp: 1106130
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.2 42.2
 100 13.1 9.9 14.9





#42

Toluene

Concen: 10.898 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

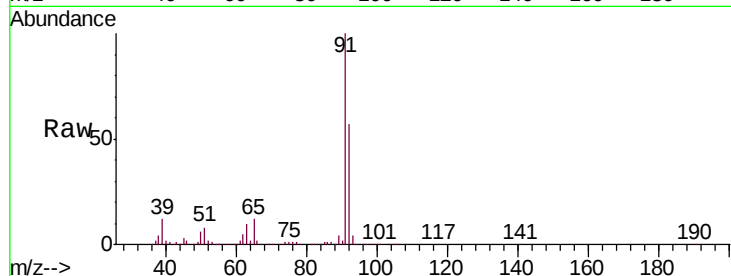
VSTD01033

Tgt Ion: 91 Resp: 766240

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VV012518.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012519.D (-1879) (-)

7.43

500000

400000

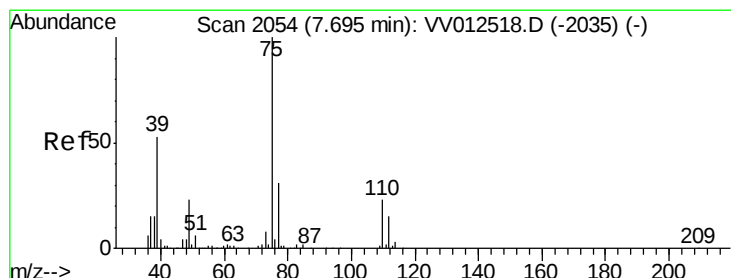
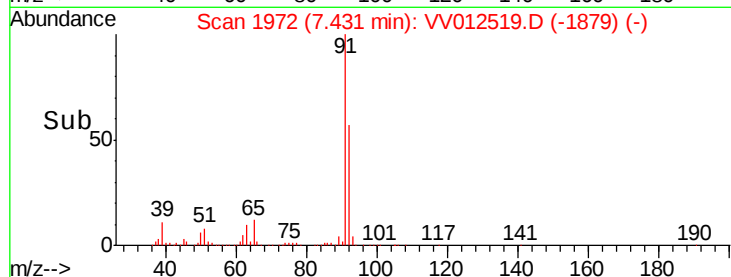
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 10.888 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012519.D

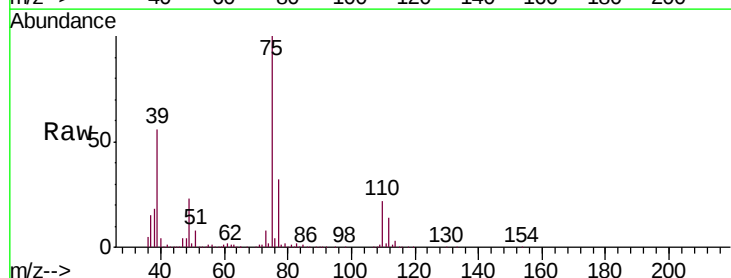
Acq: 02 Sep 2019 10:42

Tgt Ion: 75 Resp: 196388

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012518.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012519.D (-1961) (-)

7.69

120000

100000

80000

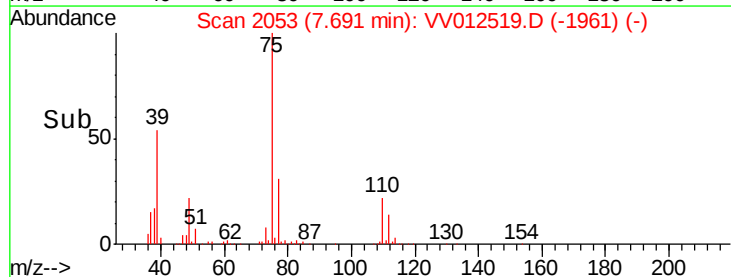
60000

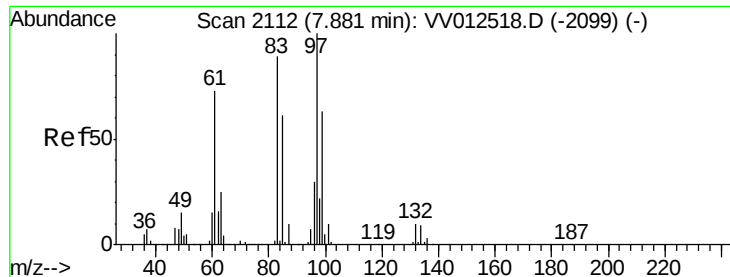
40000

20000

0

Time--> 7.60 7.70 7.80

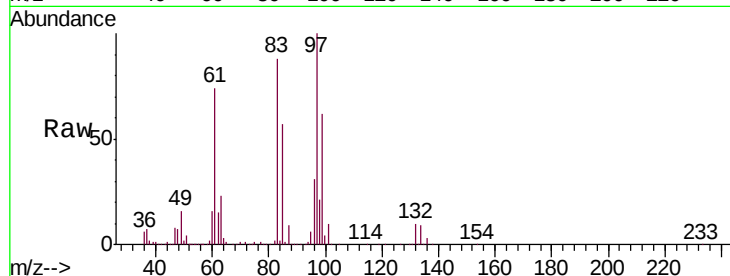




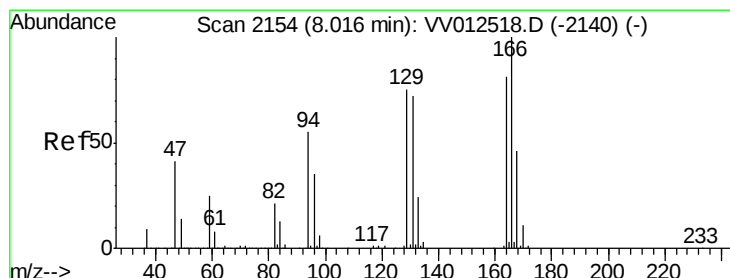
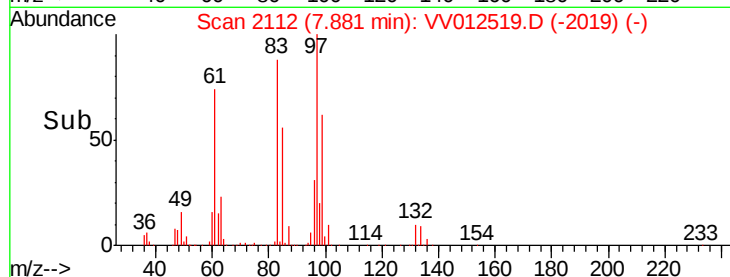
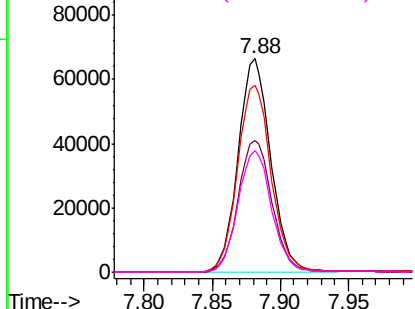
#45
1,1,2-Trichloroethane
Concen: 9.378 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:	97	Resp:	110990
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.1	81.9
83	87.7	62.7	116.5
85	56.7	42.6	79.0

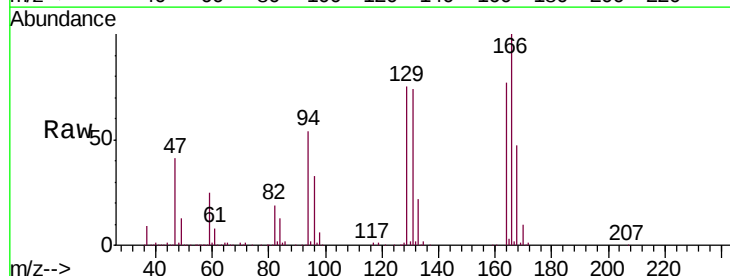


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

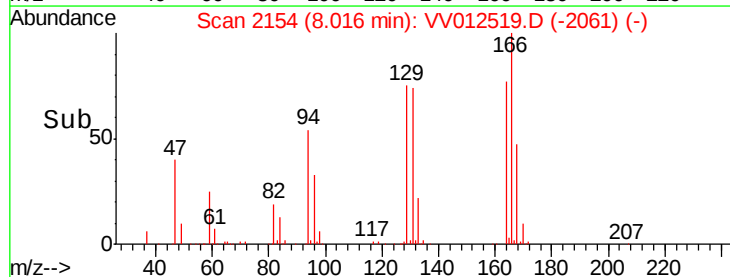
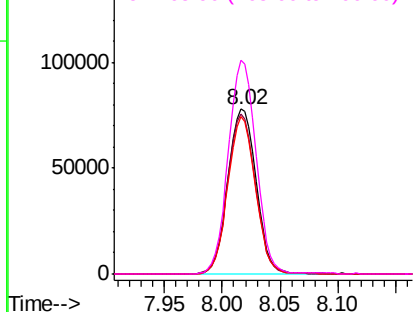


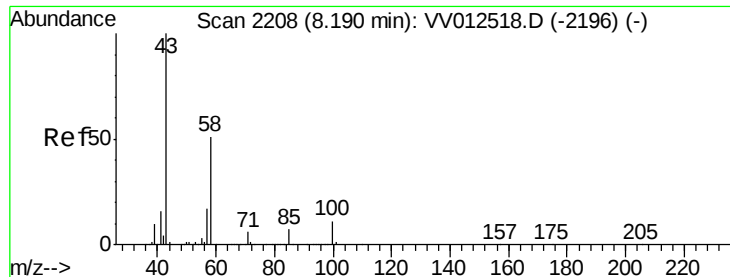
#47
Tetrachloroethene
Concen: 9.594 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion:	164	Resp:	132571
Ion	Ratio	Lower	Upper
164	100		
129	96.9	64.5	119.9
131	95.2	62.3	115.7
166	129.5	86.5	160.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

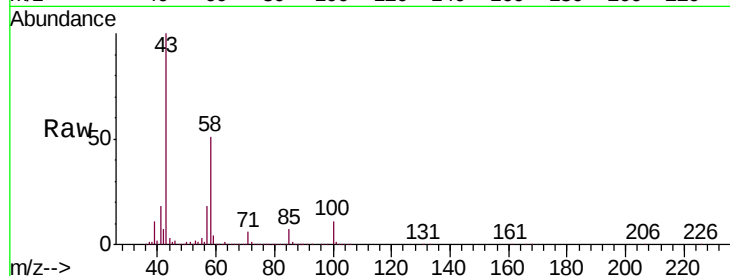




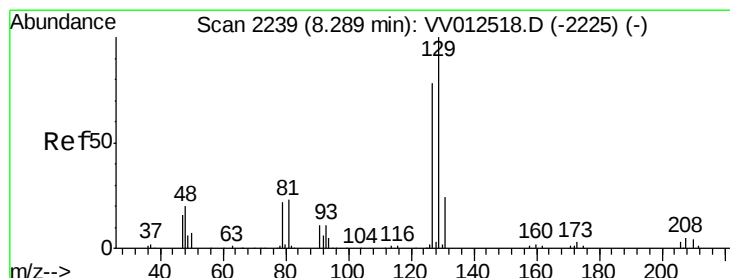
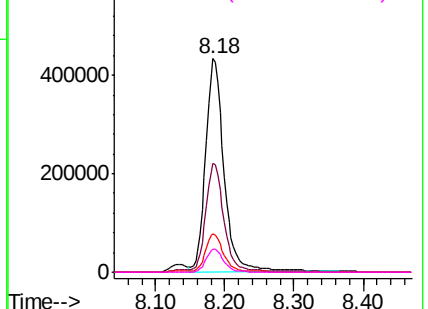
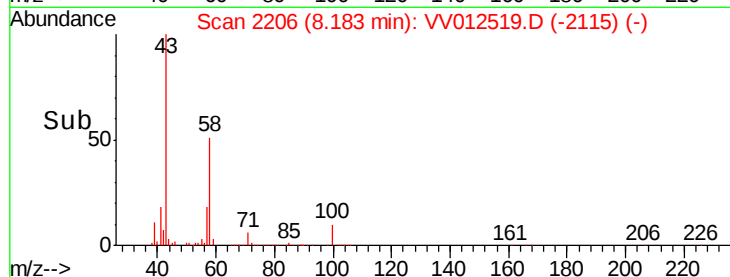
#48
2-Hexanone
Concen: 114.913 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:	43	Resp:	800795
Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.0	60.0
57	16.8	13.4	20.2
100	10.4	8.2	12.2

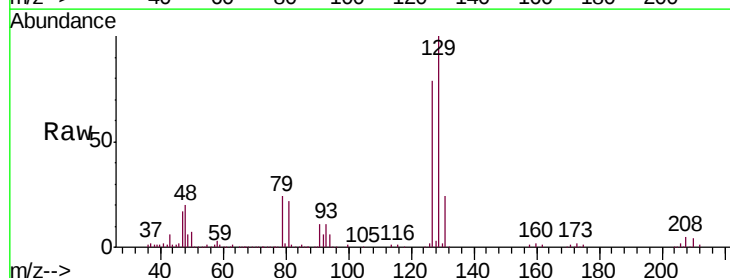


Abundance Ion 43.05 (42.75 to 43.75): VV012519.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012519.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012519.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012519.D (-2115) (-)

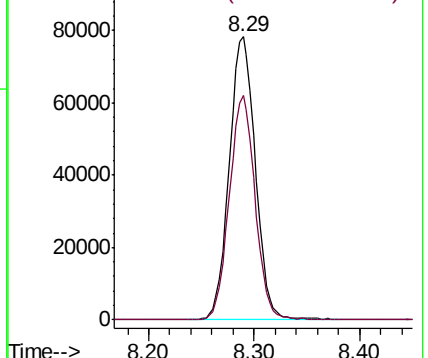
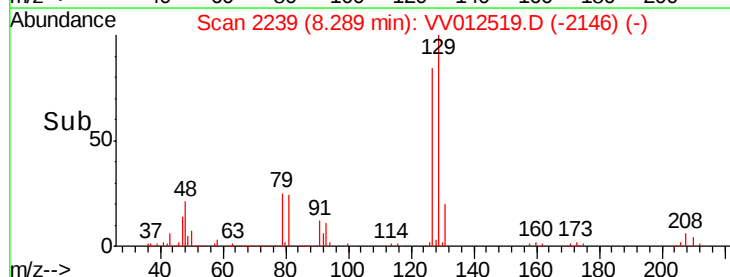


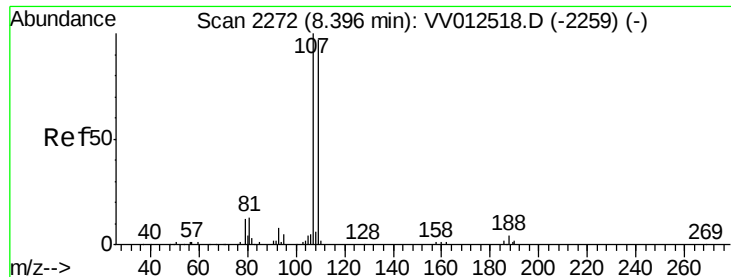
#49
Dibromochloromethane
Concen: 9.995 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion:	129	Resp:	134390
Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV012519.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012519.D (-2146) (-)

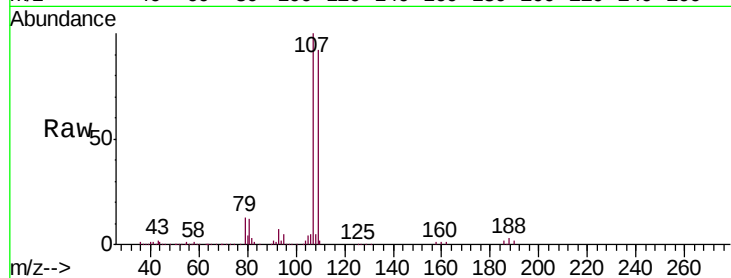




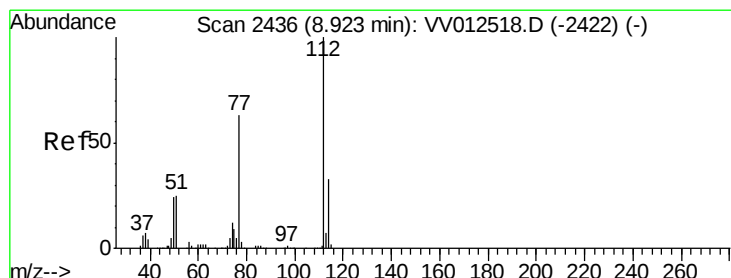
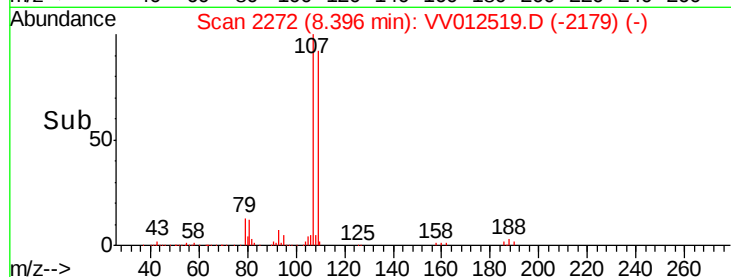
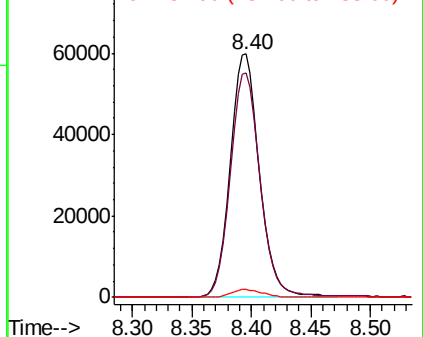
#50
 1,2-Dibromoethane
 Concen: 9.764 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	67.8	125.8
188	3.2	3.2	4.8

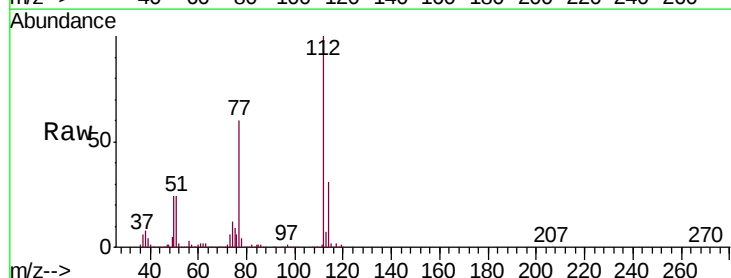


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

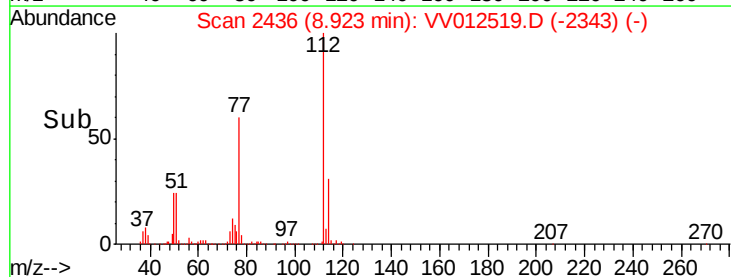
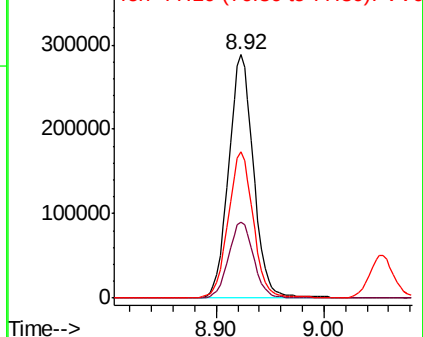


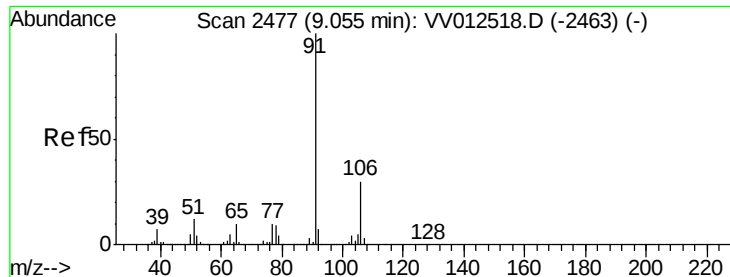
#51
 Chlorobenzene
 Concen: 10.414 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	23.0	42.6
77	59.9	50.4	75.6



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: 11.458 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

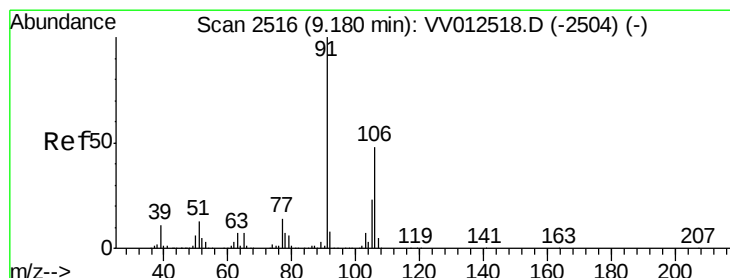
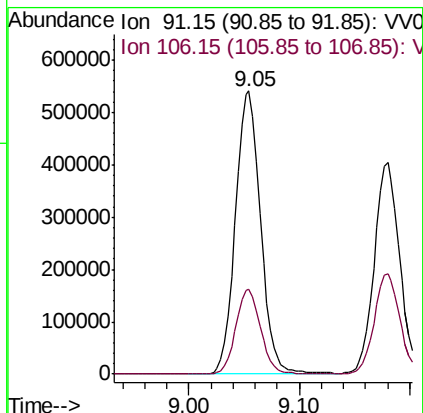
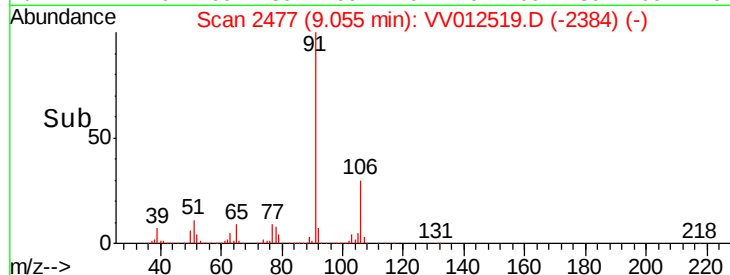
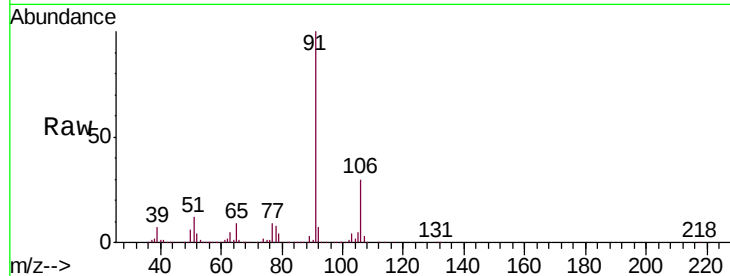
VSTD01033

Tgt Ion: 91 Resp: 857033

Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.3



#53

m,p-xylene

Concen: 11.458 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012519.D

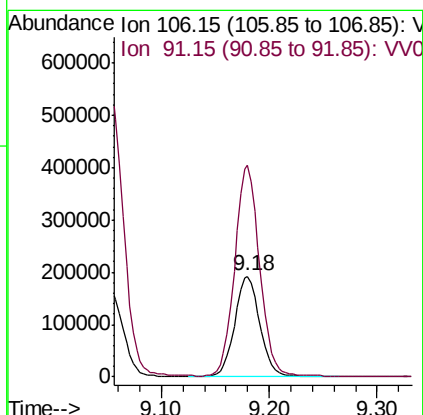
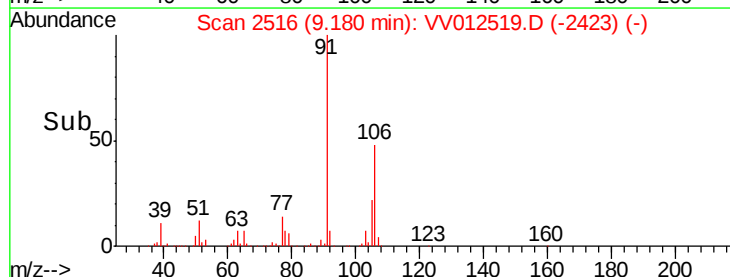
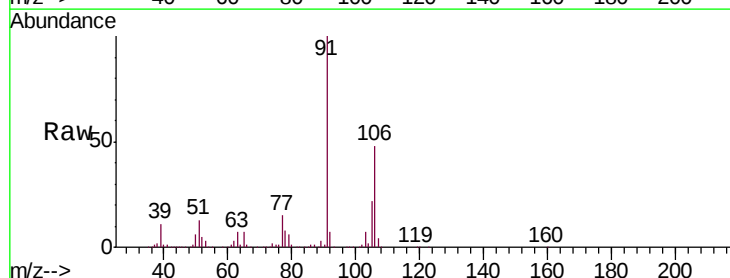
Acq: 02 Sep 2019 10:42

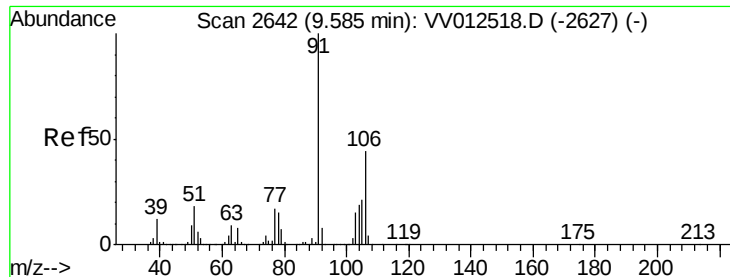
Tgt Ion: 106 Resp: 310581

Ion Ratio Lower Upper

106 100

91 210.3 145.8 270.8

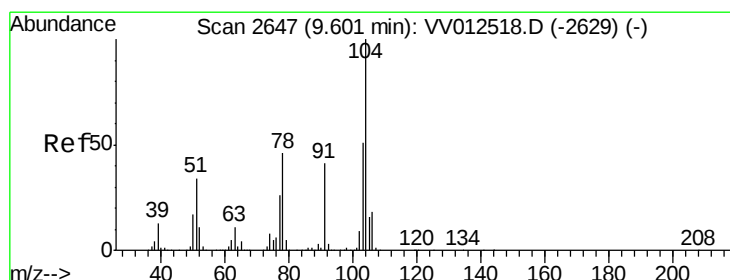
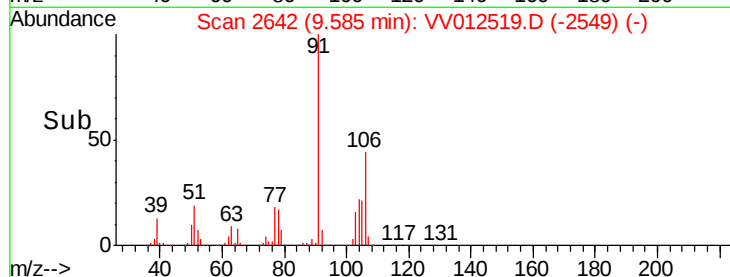
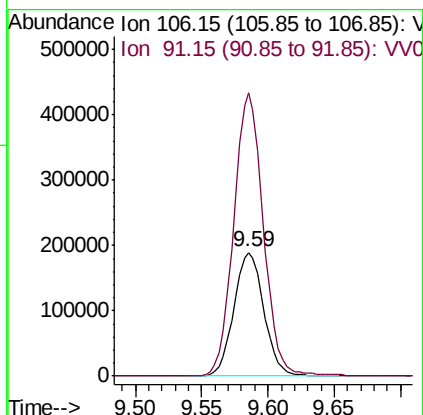
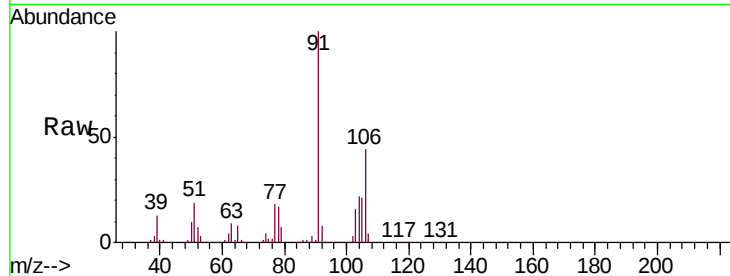




#54
o-xylene
Concen: 11.271 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

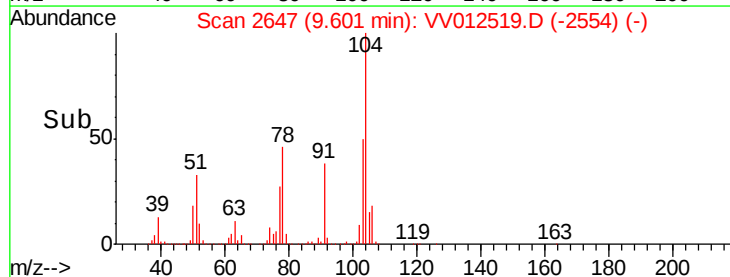
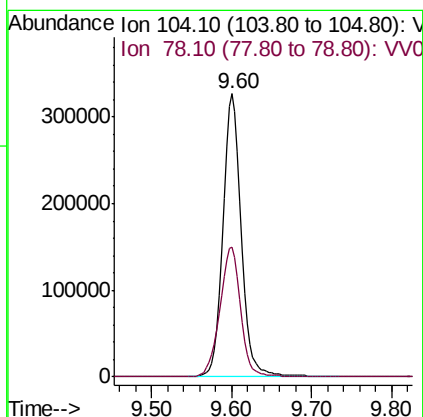
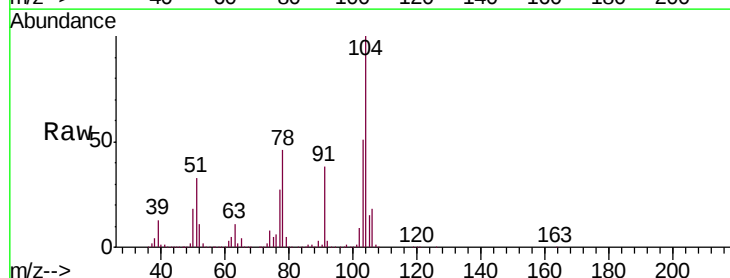
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

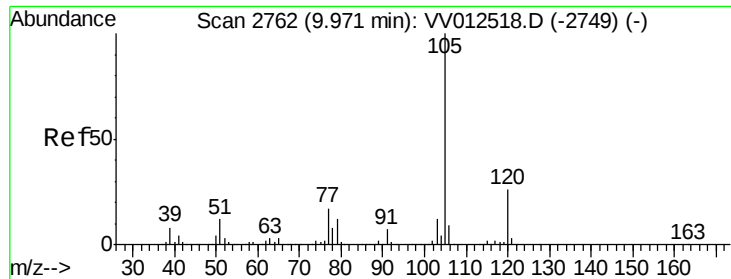
Tgt Ion:106 Resp: 299372
Ion Ratio Lower Upper
106 100
91 228.5 159.5 296.3



#55
Styrene
Concen: 11.733 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012519.D
Acq: 02 Sep 2019 10:42

Tgt Ion:104 Resp: 520842
Ion Ratio Lower Upper
104 100
78 45.8 32.3 60.1





#56

Isopropylbenzene

Concen: 11.901 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

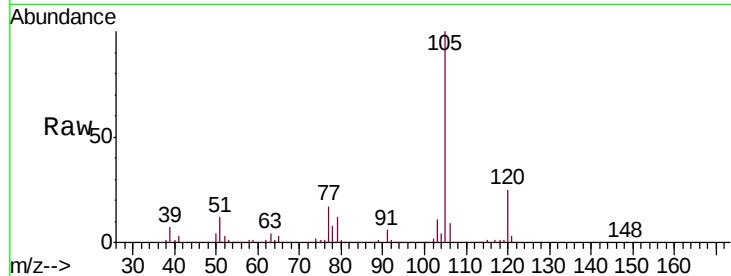
Tgt Ion: 105 Resp: 837543

Ion Ratio Lower Upper

105 100

120 25.5 20.9 31.3

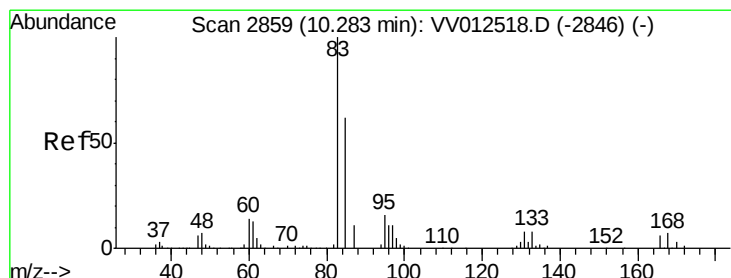
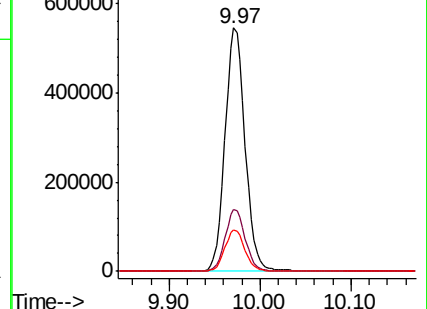
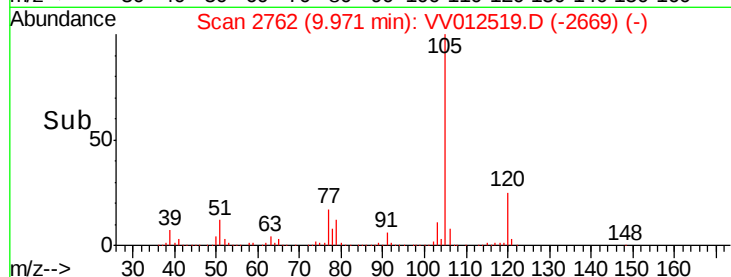
77 17.2 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.326 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

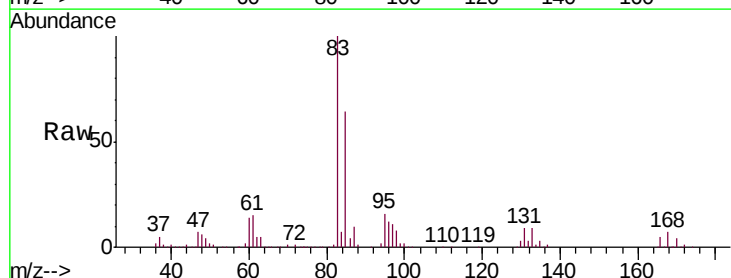
Tgt Ion: 83 Resp: 128490

Ion Ratio Lower Upper

83 100

85 64.1 43.8 81.4

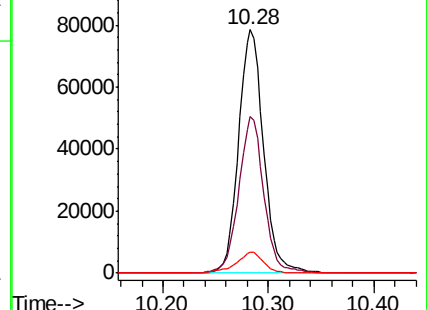
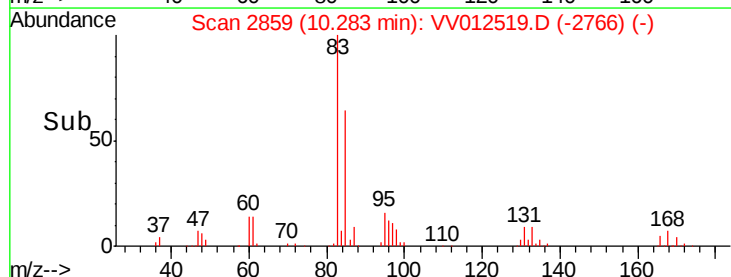
131 8.7 6.6 10.0

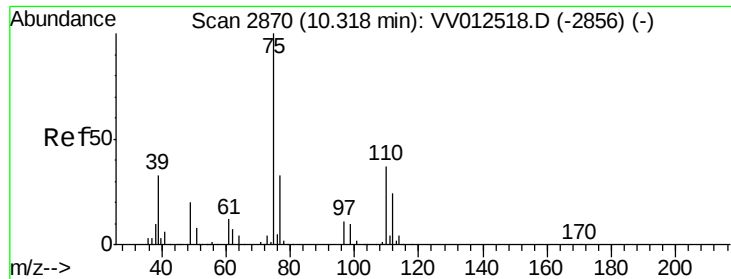


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.882 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

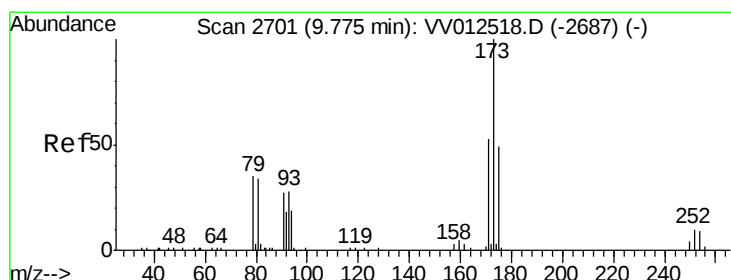
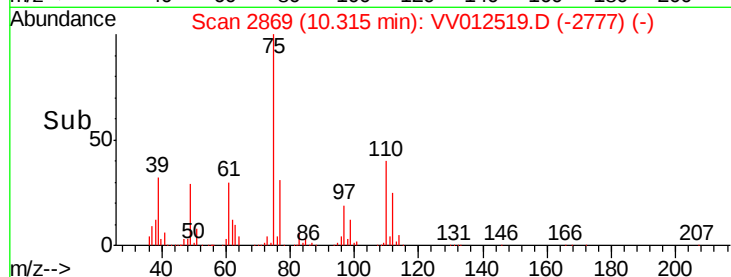
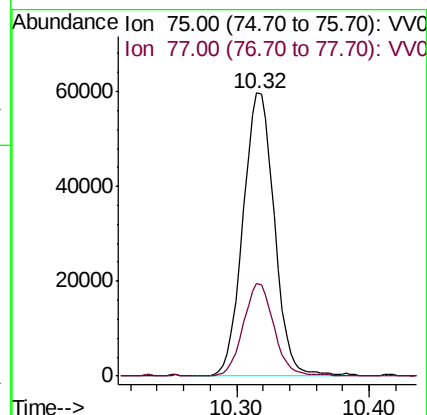
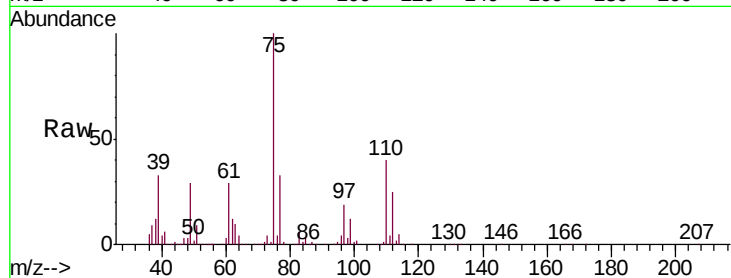
VSTD01033

Tgt Ion: 75 Resp: 98170

Ion Ratio Lower Upper

75 100

77 31.2 26.7 40.1



#61

Bromoform

Concen: 8.804 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

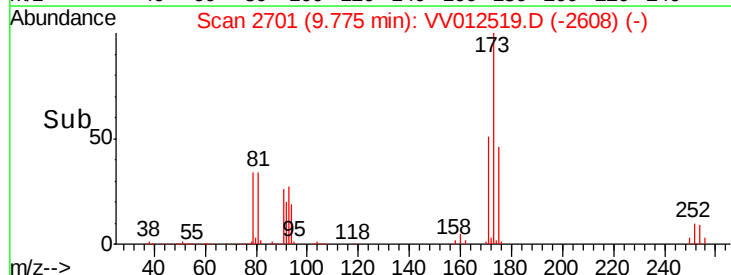
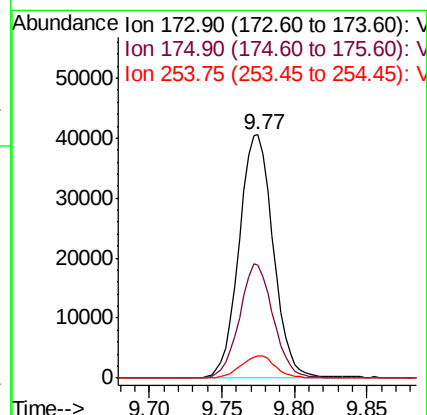
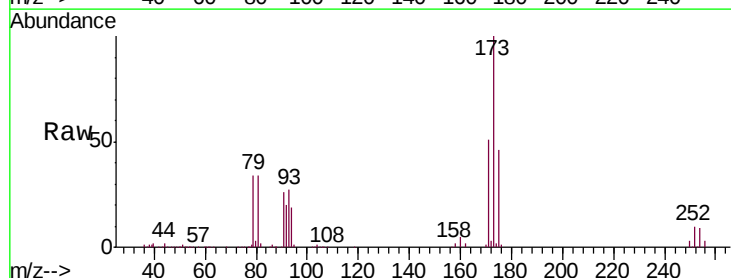
Tgt Ion: 173 Resp: 66568

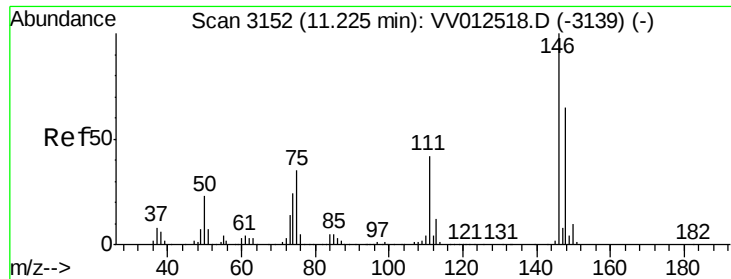
Ion Ratio Lower Upper

173 100

175 46.3 39.1 58.7

254 9.2 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 10.241 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

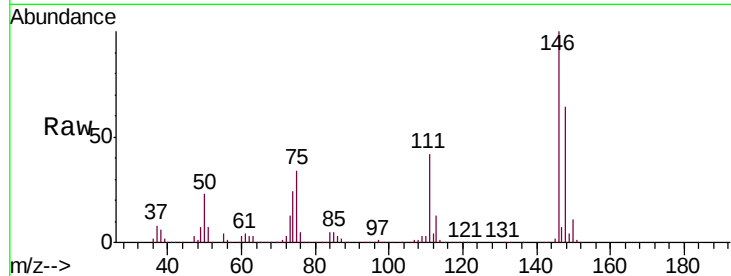
Tgt Ion:146 Resp: 357715

Ion Ratio Lower Upper

146 100

111 41.6 29.7 55.1

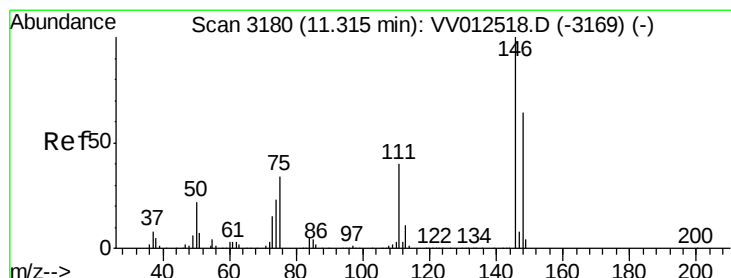
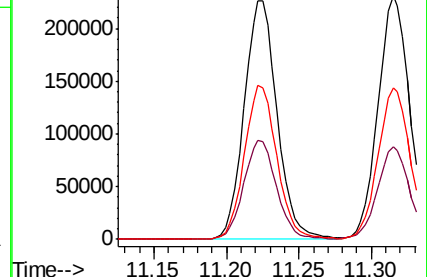
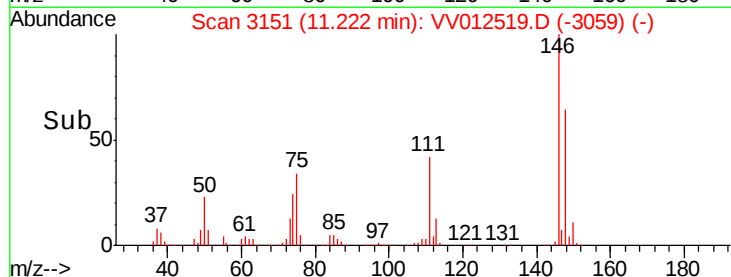
148 64.2 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.185 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

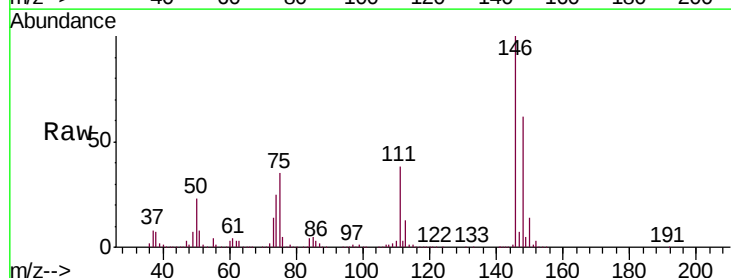
Tgt Ion:146 Resp: 357075

Ion Ratio Lower Upper

146 100

111 37.9 27.9 51.7

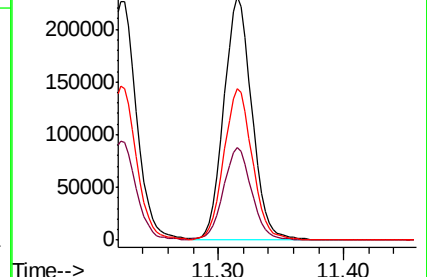
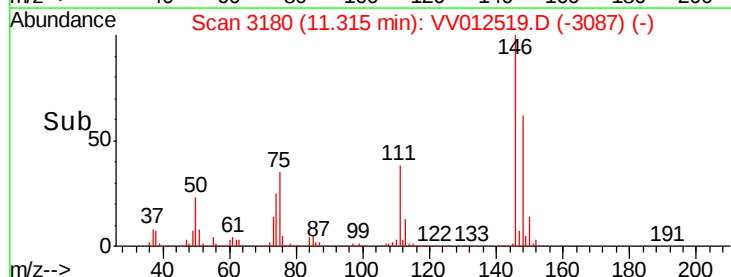
148 62.2 44.9 83.3

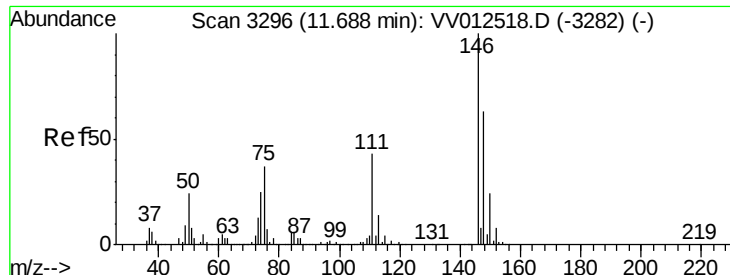


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

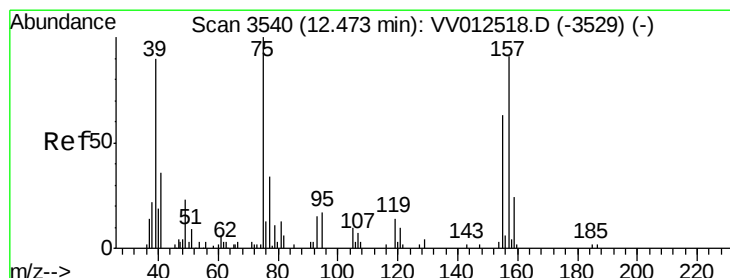
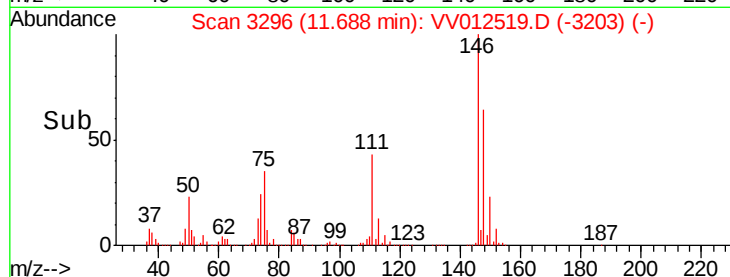
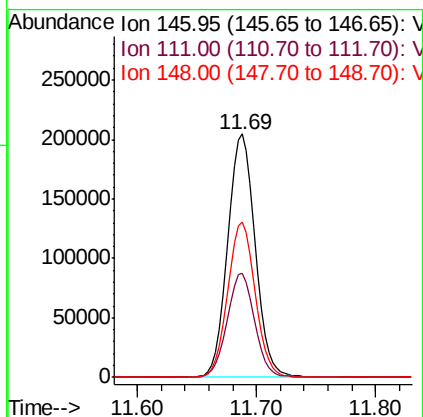
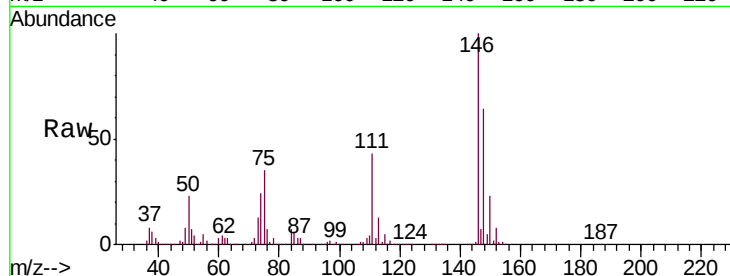




#65
 1,2-Dichlorobenzene
 Concen: 9.974 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

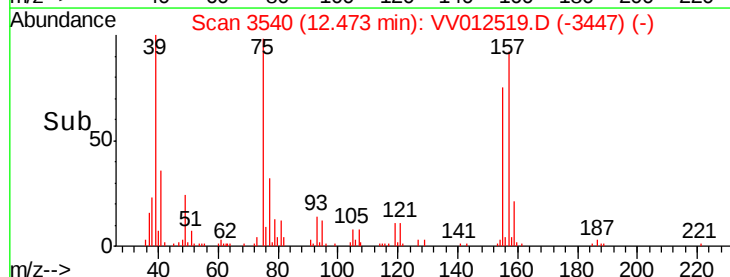
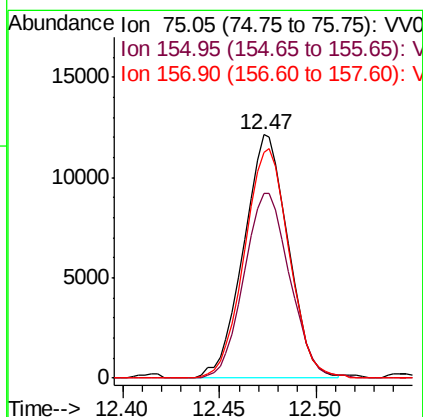
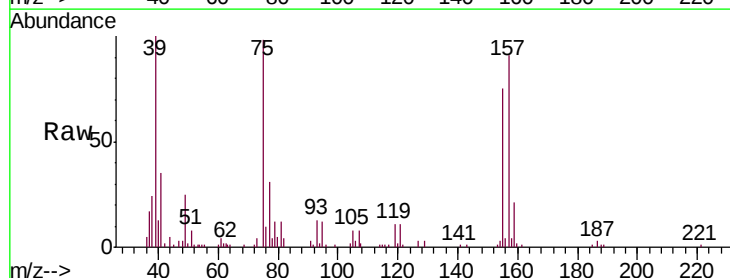
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01033

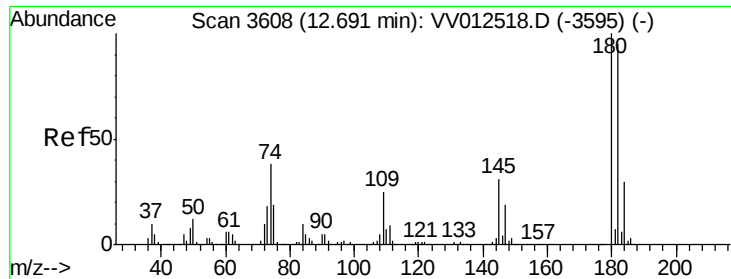
Tgt Ion: 146 Resp: 327481
 Ion Ratio Lower Upper
 146 100
 111 42.6 34.2 51.2
 148 63.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.779 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion: 75 Resp: 19459
 Ion Ratio Lower Upper
 75 100
 155 75.9 50.6 75.8#
 157 92.7 72.6 109.0

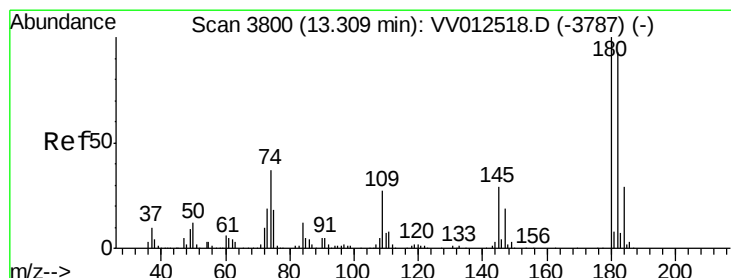
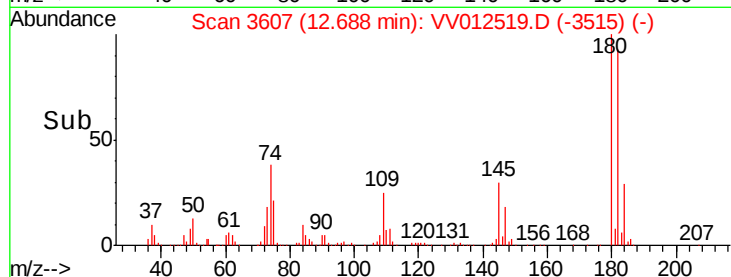
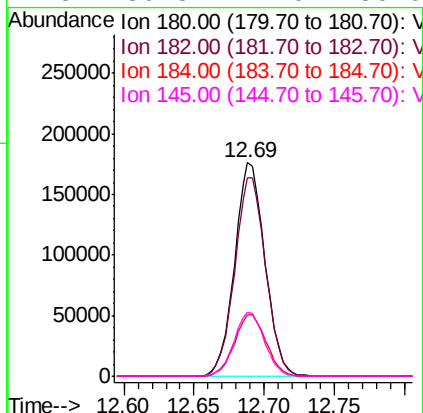
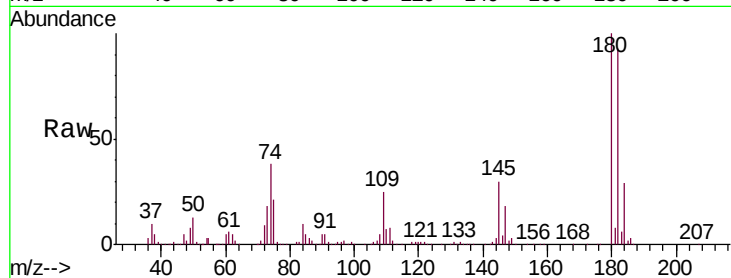




#67
 1,3,5-Trichlorobenzene
 Concen: 10.205 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

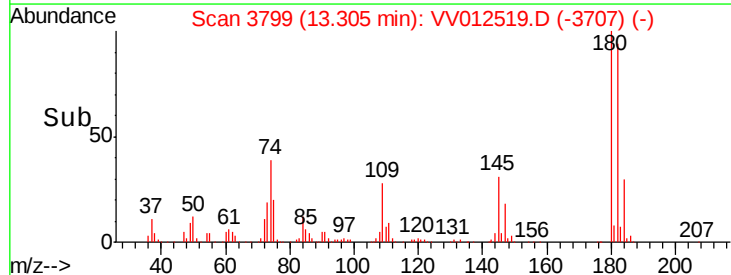
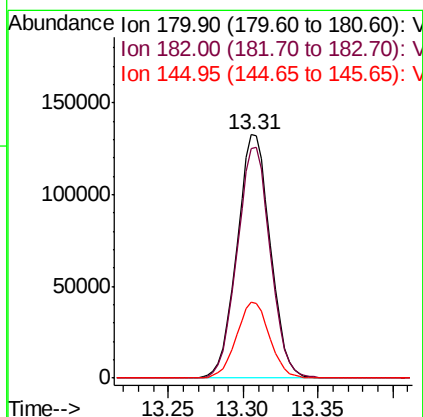
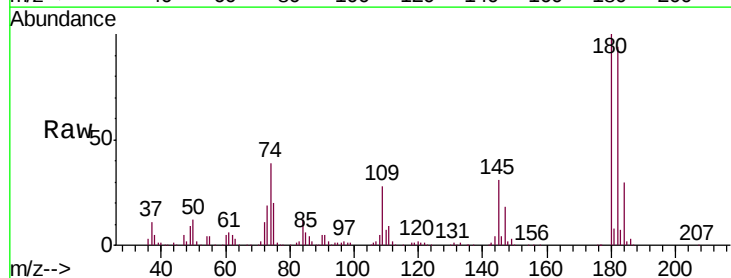
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

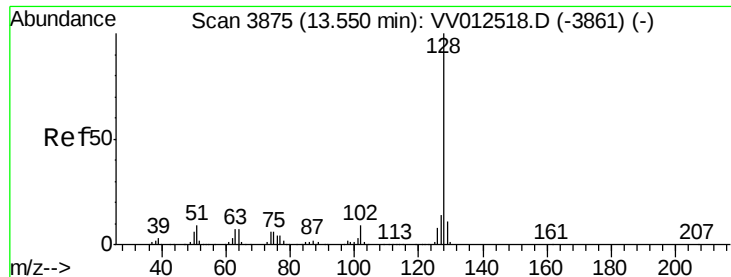
Tgt Ion:	180	Resp:	265673
Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.4	111.6
184	30.0	23.4	35.0
145	30.3	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 10.764 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012519.D
 Acq: 02 Sep 2019 10:42

Tgt Ion:	180	Resp:	205510
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	31.0	23.8	35.8





#69

Naphthalene

Concen: 11.805 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

Instrument :

MSVOA_V

ClientSampled :

VSTD01033

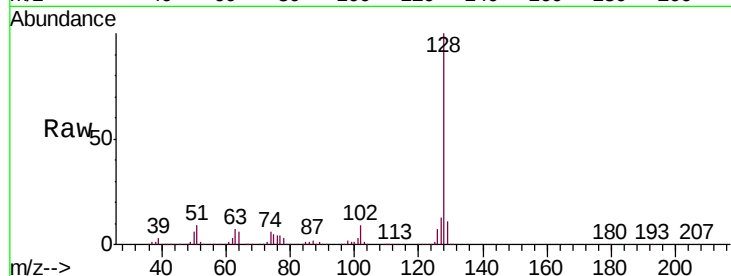
Tgt Ion:128 Resp: 325361

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

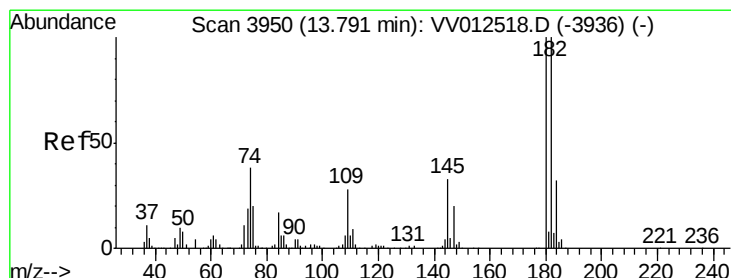
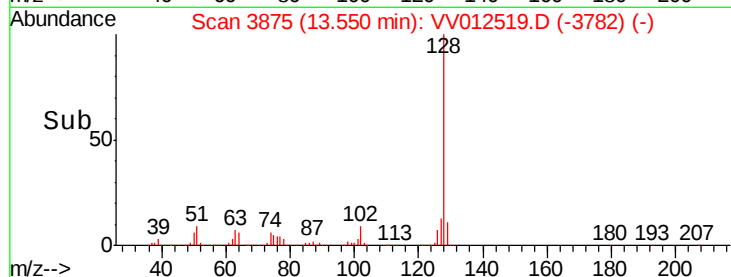
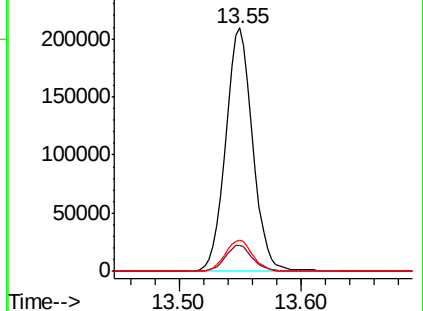
127 13.2 11.0 16.4



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: 10.403 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012519.D

Acq: 02 Sep 2019 10:42

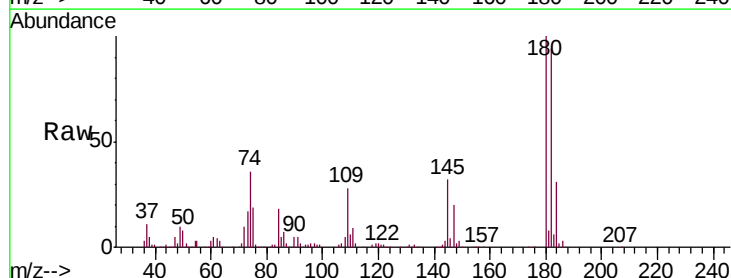
Tgt Ion:180 Resp: 187420

Ion Ratio Lower Upper

180 100

182 93.8 79.4 119.0

145 31.7 26.2 39.4



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

