

Data File : VV012319.D
Acq On : 21 Aug 2019 17:29
Operator : SY/MD
Sample : VSTD20064
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Quant Time: Aug 22 02:25:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 02:21:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	225802	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	216486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	124389	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	219857	155.24	ug/L	0.00
7) Chloroethane-d5	1.56	69	154894	128.30	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.12	63	429057	161.29	ug/L	0.00
21) 2-Butanone-d5	3.92	46	375443	305.06	ug/L	0.00
24) Chloroform-d	4.40	84	633798	190.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	431659	199.87	ug/L	0.00
32) Benzene-d6	5.10	84	1144903	171.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	311075	154.28	ug/L	0.00
41) Toluene-d8	7.36	98	1142588	186.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	207279	195.49	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	299229	339.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	463300	156.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	537121	181.26	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	398242	205.796	ug/L	99
3) Chloromethane	1.25	50	228674	136.965	ug/L	100
5) Vinyl chloride	1.32	62	237481	140.235	ug/L	100
6) Bromomethane	1.51	94	138278	151.513	ug/L	94
8) Chloroethane	1.58	64	123973	130.965	ug/L	100
9) Trichlorofluoromethane	1.76	101	458241	193.604	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	206612	160.460	ug/L	99
12) 1,1-Dichloroethene	2.13	96	193060	158.463	ug/L	97
13) Acetone	2.18	43	267270	279.014	ug/L	98
14) Carbon disulfide	2.31	76	712390	176.287	ug/L	99
15) Methyl Acetate	2.45	43	250627	157.846	ug/L	99
16) Methylene chloride	2.53	84	290367	186.825	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	288840	193.396	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	989054	216.593	ug/L	99
19) 1,1-Dichloroethane	3.23	63	486705	183.007	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	328991	198.792	ug/L	95
22) 2-Butanone	4.00	43	393006	321.986	ug/L	98
23) Bromochloromethane	4.29	128	182047	208.239	ug/L	97
25) Chloroform	4.42	83	587215	204.025	ug/L	99
27) 1,2-Dichloroethane	5.18	62	494034	226.001	ug/L	99
29) Cyclohexane	4.72	56	404316	171.381	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	581814	230.100	ug/L	99
31) Carbon tetrachloride	4.87	117	553233	242.753	ug/L	99
33) Benzene	5.14	78	1117039	185.782	ug/L	100
34) Trichloroethene	5.96	95	325056	200.157	ug/L	97
35) Methylcyclohexane	6.18	83	497713	194.658	ug/L	97
37) 1,2-Dichloropropane	6.22	63	258119	171.408	ug/L	100
38) Bromodichloromethane	6.55	83	460819	218.618	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	517090	212.354	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	730286	351.564	ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1282474	198.499	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	486554	217.133	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	298038	196.555	ug/L	96
46) Tetrachloroethene	8.02	164	316668	224.435	ug/L	98
48) 2-Hexanone	8.18	43	557235	329.736	ug/L	98
49) Dibromochloromethane	8.29	129	418677	236.575	ug/L	99
50) 1,2-Dibromoethane	8.40	107	339212	206.966	ug/L	100
51) Chlorobenzene	8.92	112	889546	205.047	ug/L	98
52) Ethylbenzene	9.05	91	1495944	208.542	ug/L	99
53) m,p-Xylene	9.18	106	580151	210.534	ug/L	98
54) o-xylene	9.59	106	571468	213.378	ug/L	98
55) Styrene	9.60	104	981179	214.283	ug/L	98
56) Isopropylbenzene	9.97	105	1560839	219.809	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	451536	184.076	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	369441	190.845	ug/L	100
61) Bromoform	9.77	173	340584	230.561	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	796358	200.792	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	794073	196.254	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	798988	200.173	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	130572	213.398	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	672877	221.663	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	585535	234.095	ug/L	99
69) Naphthalene	13.55	128	1642868	232.485	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	581197	221.405	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

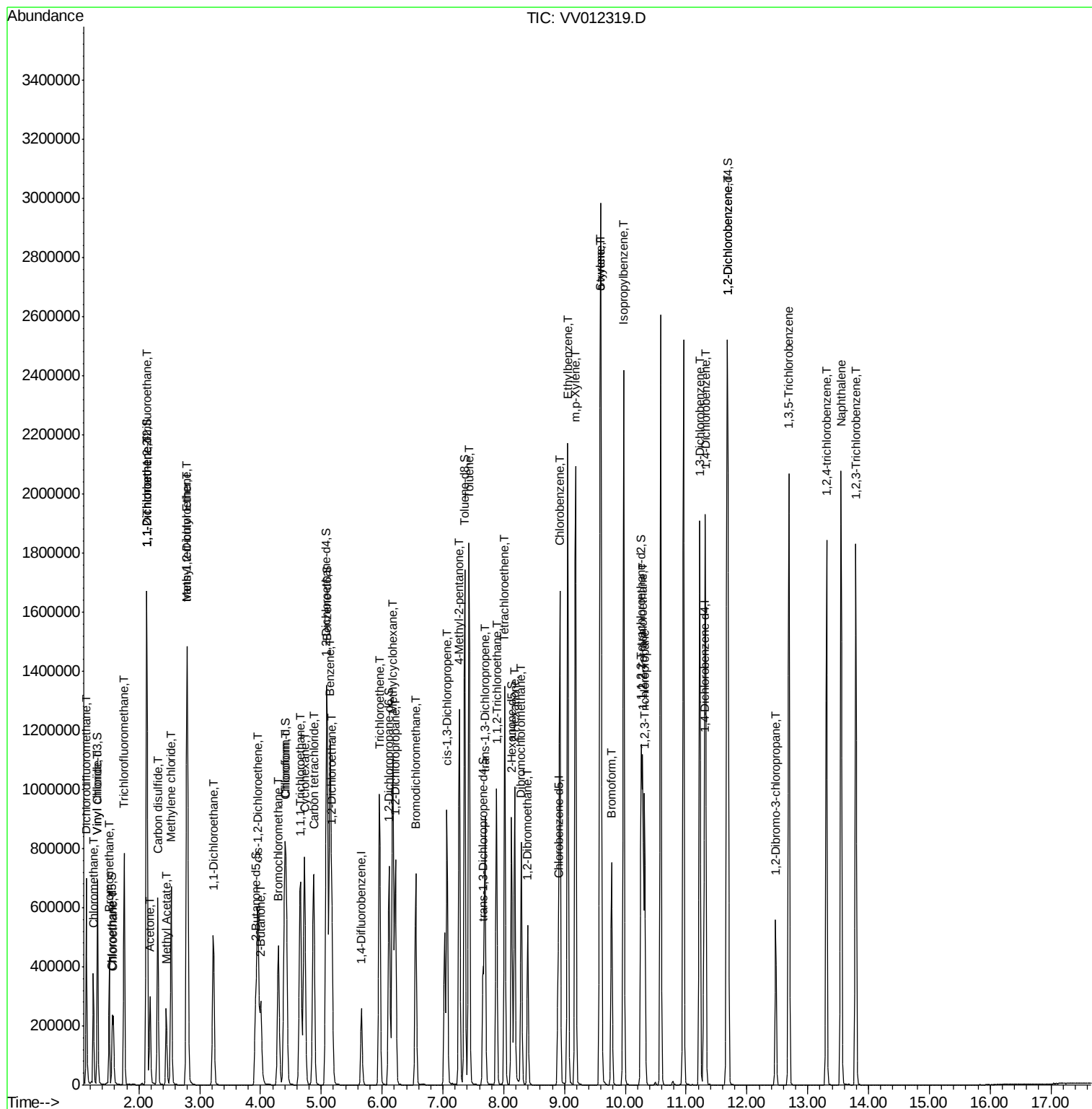
Quant Time: Aug 22 02:25:24 2019

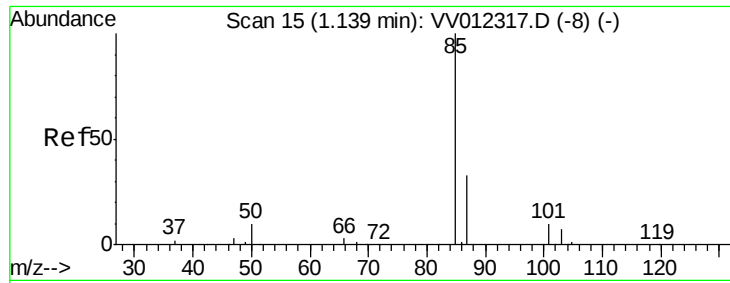
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM082119WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Aug 22 02:21:08 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 205.796 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

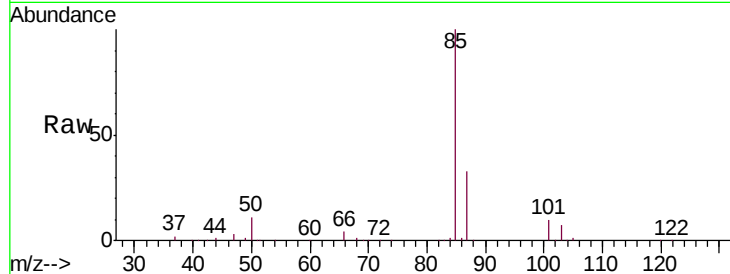
VSTD20064

Tgt Ion: 85 Resp: 398242

Ion Ratio Lower Upper

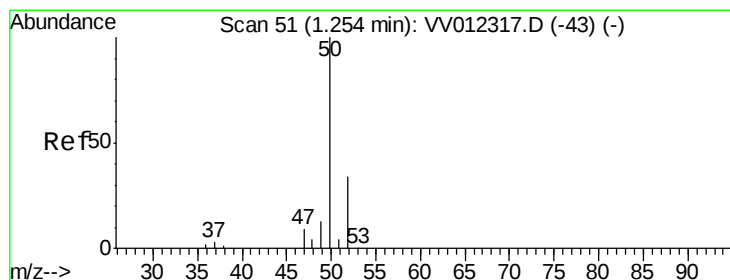
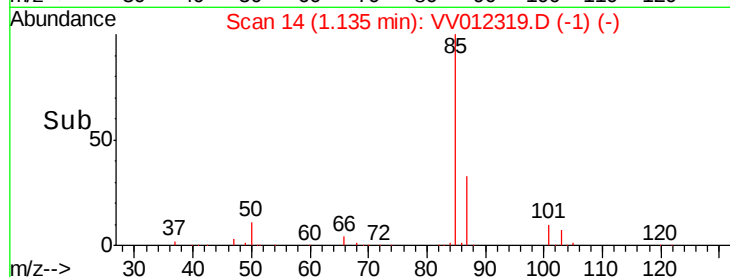
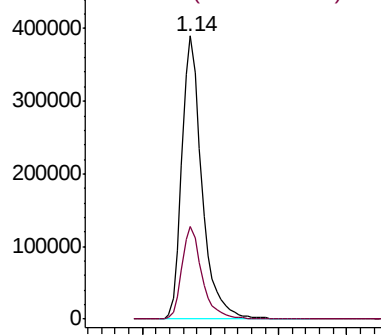
85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 136.965 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012319.D

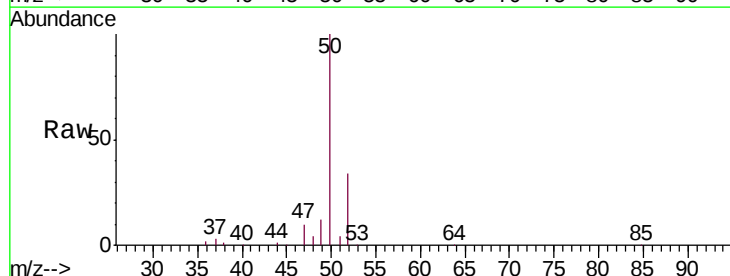
Acq: 21 Aug 2019 17:29

Tgt Ion: 50 Resp: 228674

Ion Ratio Lower Upper

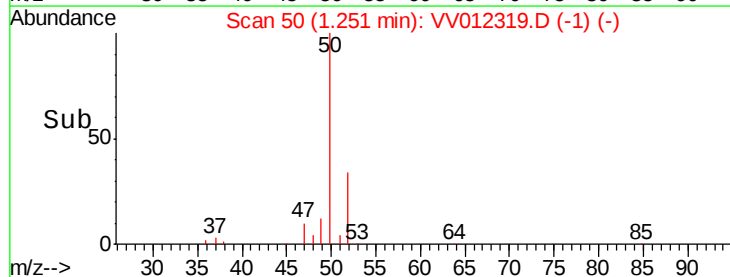
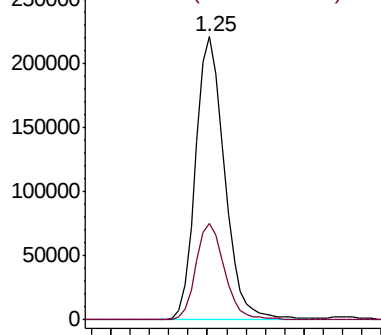
50 100

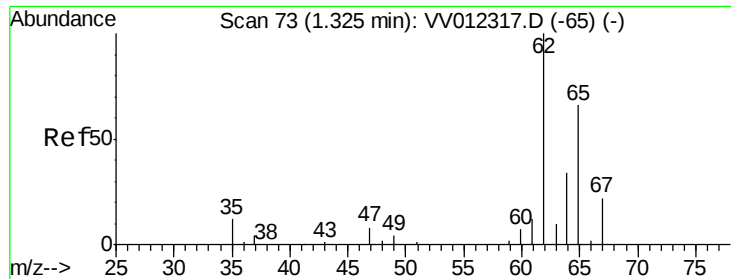
52 34.3 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 140.235 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

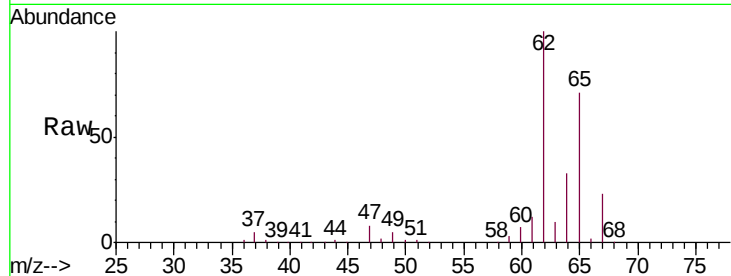
VSTD20064

Tgt Ion: 62 Resp: 237481

Ion Ratio Lower Upper

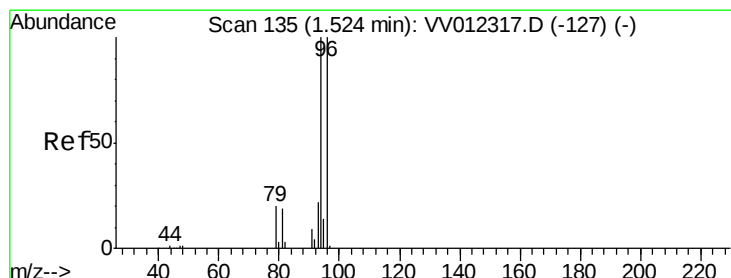
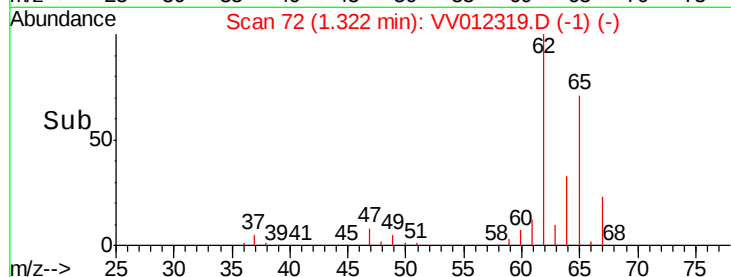
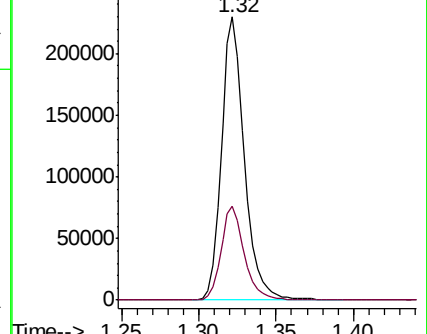
62 100

64 33.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 151.513 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV012319.D

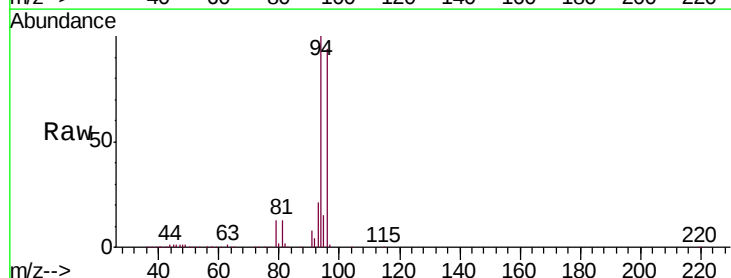
Acq: 21 Aug 2019 17:29

Tgt Ion: 94 Resp: 138278

Ion Ratio Lower Upper

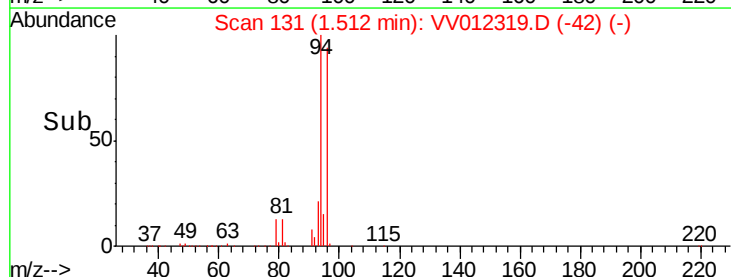
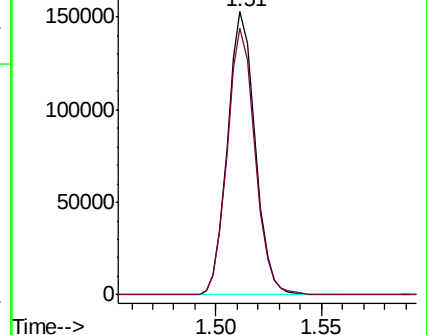
94 100

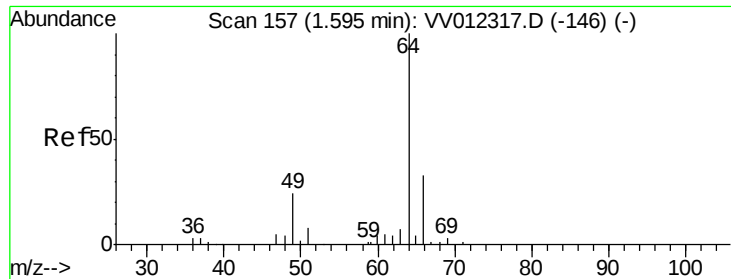
96 94.4 70.1 130.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 130.965 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

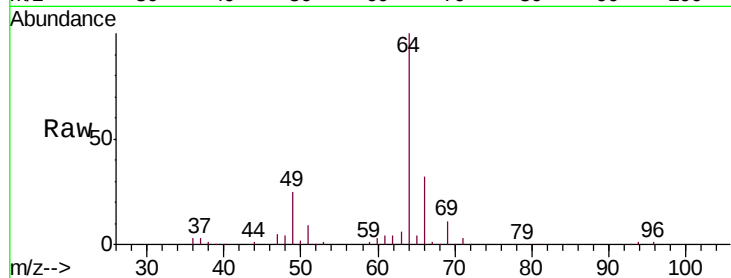
VSTD20064

Tgt Ion: 64 Resp: 123973

Ion Ratio Lower Upper

64 100

66 32.5 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV012317.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV012317.D (-146) (-)

1.58

100000

80000

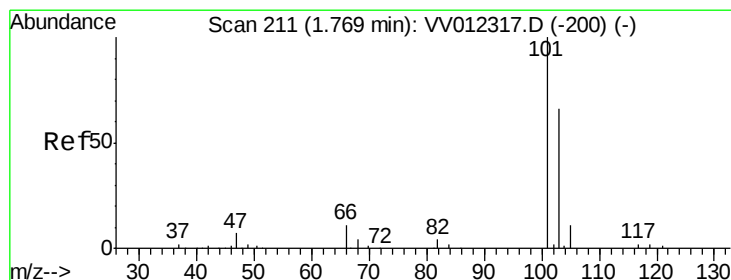
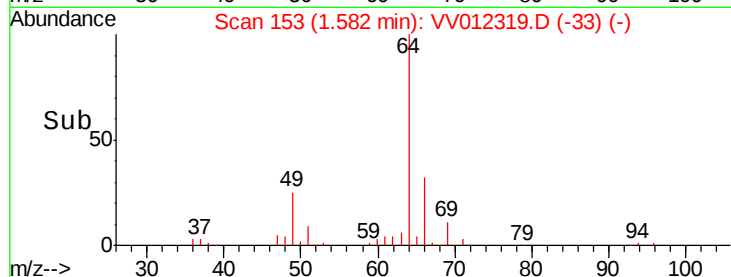
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 193.604 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV012319.D

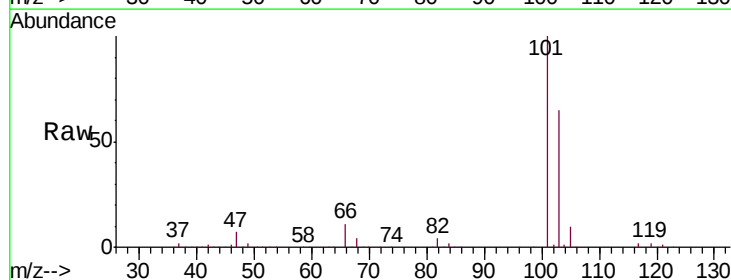
Acq: 21 Aug 2019 17:29

Tgt Ion: 101 Resp: 458241

Ion Ratio Lower Upper

101 100

103 65.4 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VV012317.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012317.D (-200) (-)

1.76

400000

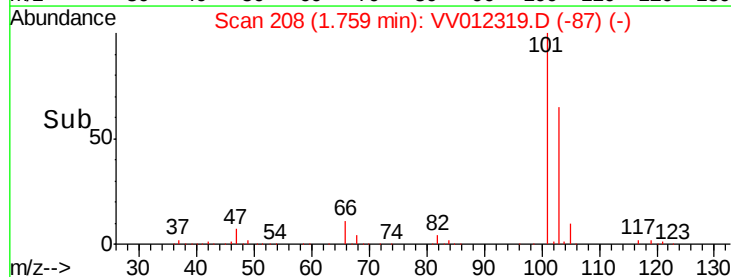
300000

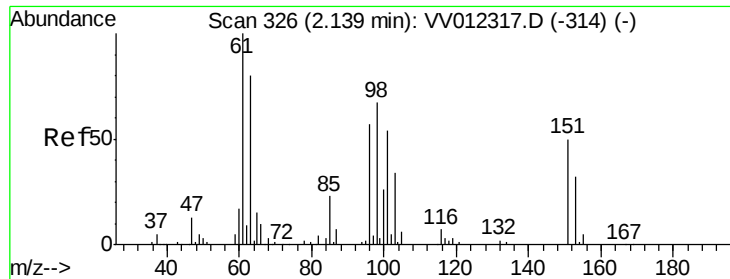
200000

100000

0

Time-->





#10

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

Concen: 160.460 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

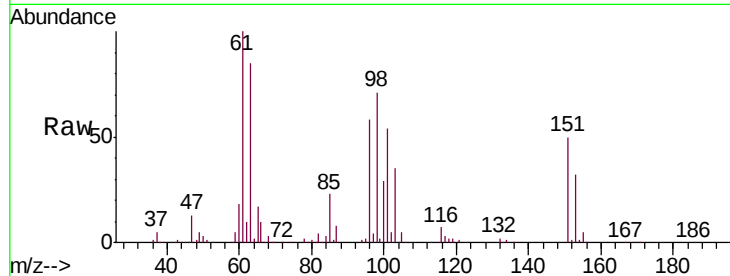
Tgt Ion: 101 Resp: 206612

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

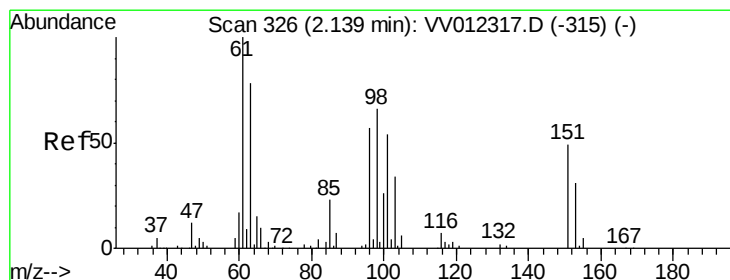
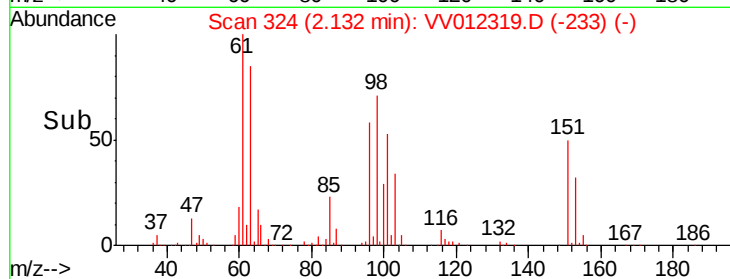
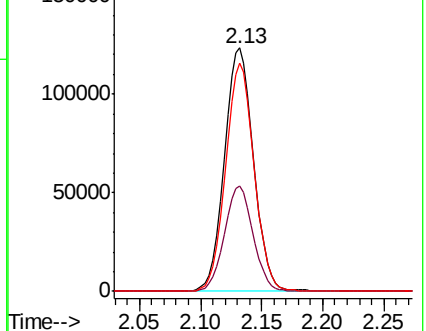
151 91.7 73.0 109.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 158.463 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

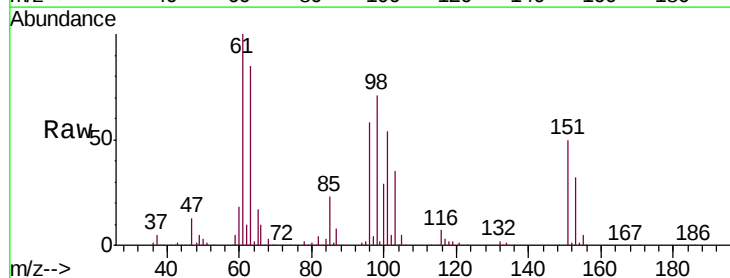
Tgt Ion: 96 Resp: 193060

Ion Ratio Lower Upper

96 100

61 171.1 122.6 227.8

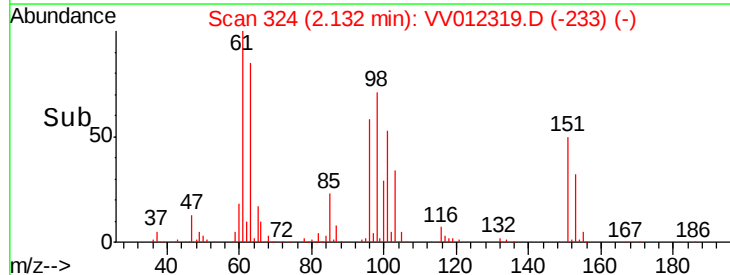
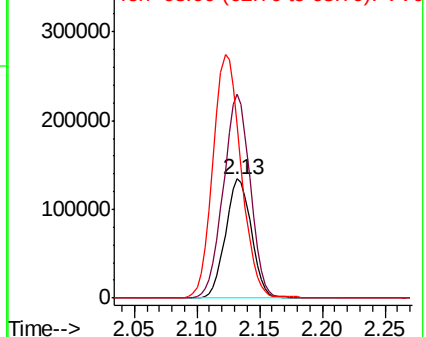
63 144.8 98.6 183.2

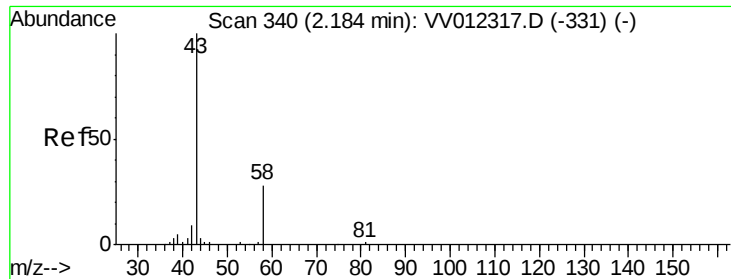


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 279.014 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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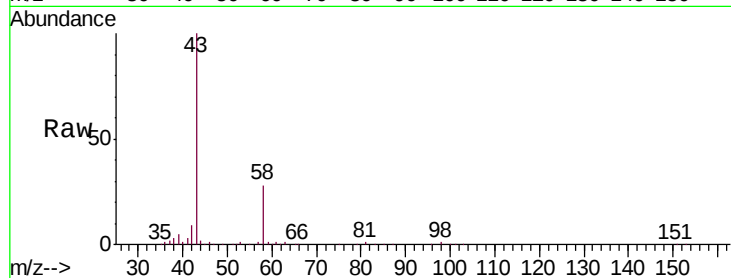
VSTD20064

Tgt Ion: 43 Resp: 267270

Ion Ratio Lower Upper

43 100

58 28.3 0.0 54.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

200000

150000

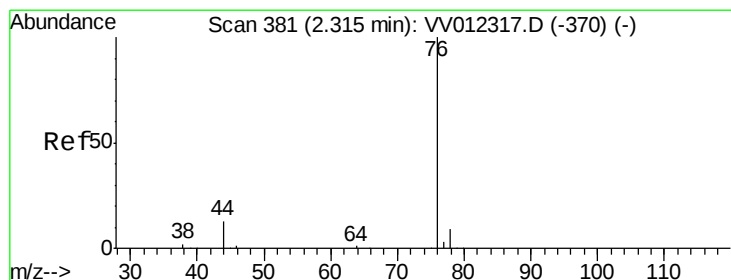
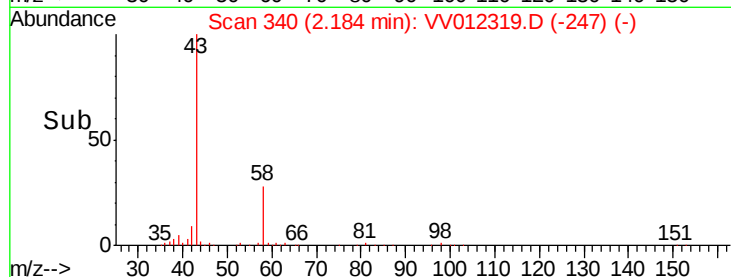
100000

50000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 176.287 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012319.D

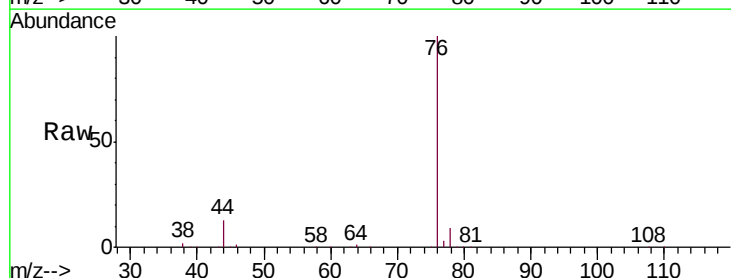
Acq: 21 Aug 2019 17:29

Tgt Ion: 76 Resp: 712390

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

500000

400000

300000

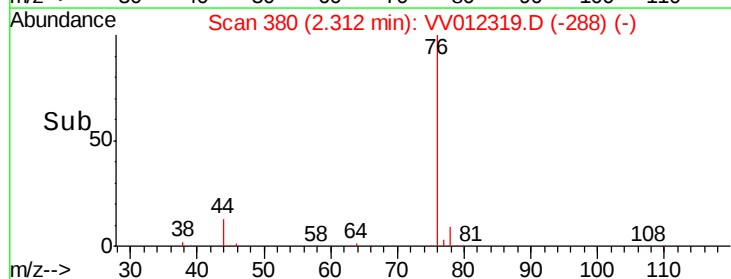
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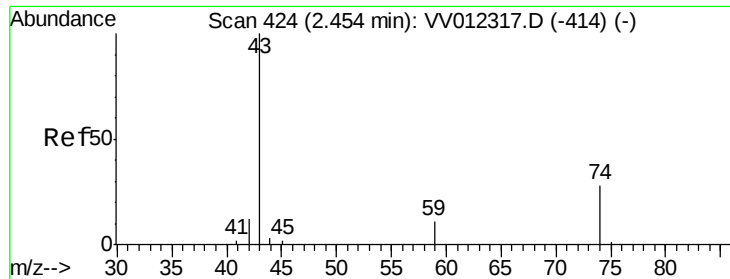
100000

0

Time-->

2.20 2.30 2.40

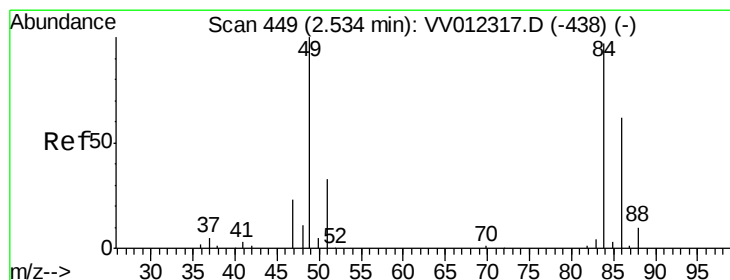
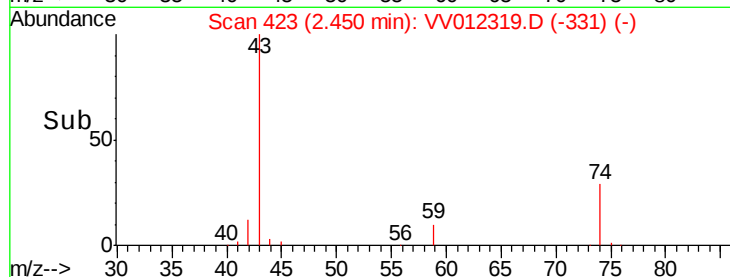
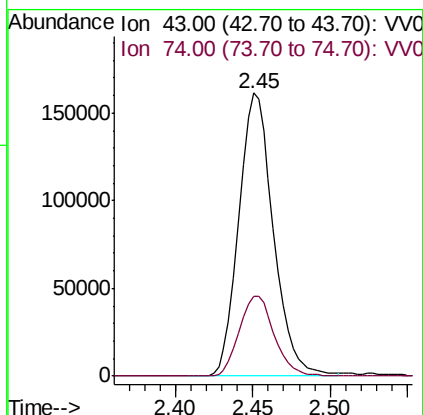
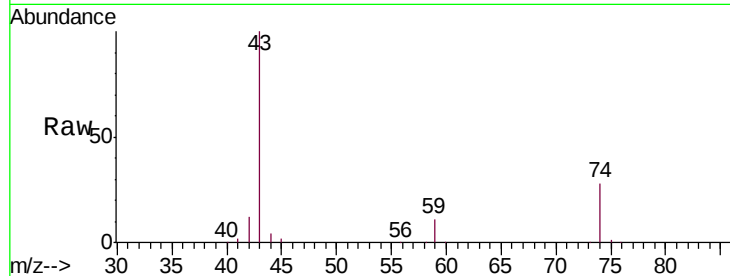




#15
Methyl Acetate
Concen: 157.846 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

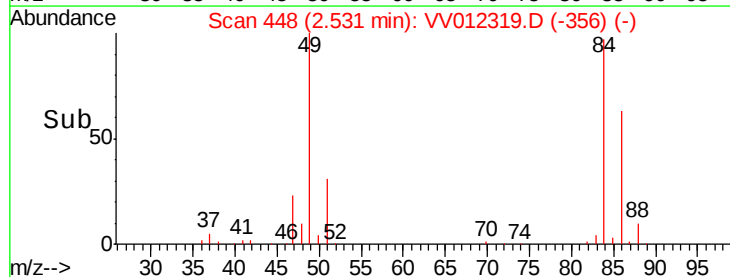
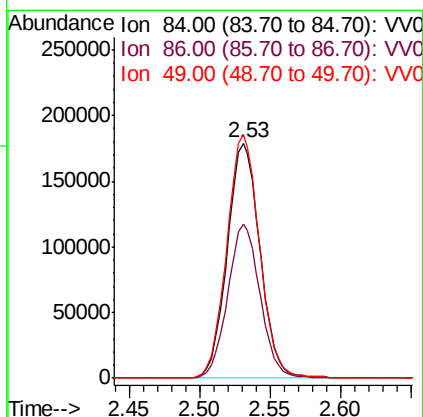
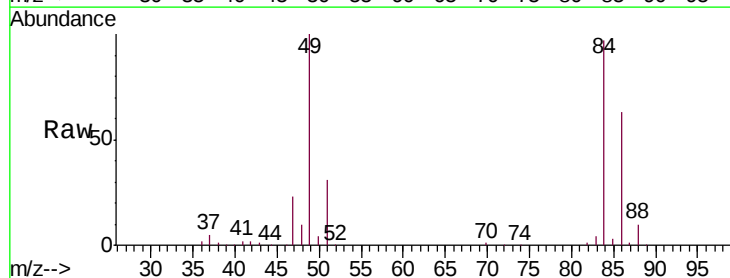
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

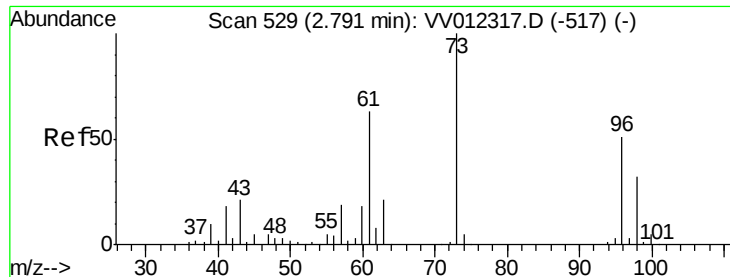
Tgt Ion: 43 Resp: 250627
Ion Ratio Lower Upper
43 100
74 28.8 22.6 33.8



#16
Methylene chloride
Concen: 186.825 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Tgt Ion: 84 Resp: 290367
Ion Ratio Lower Upper
84 100
86 65.3 44.7 83.1
49 103.5 72.1 133.9

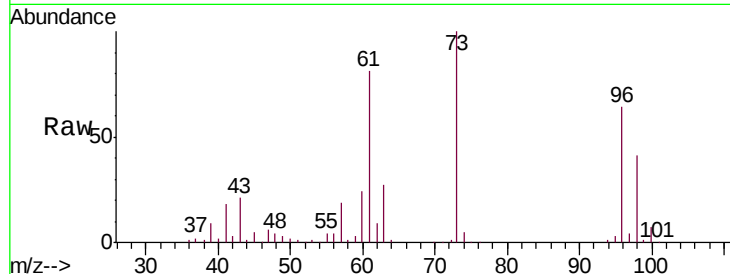




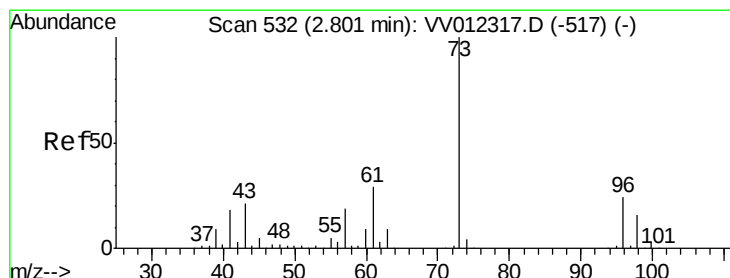
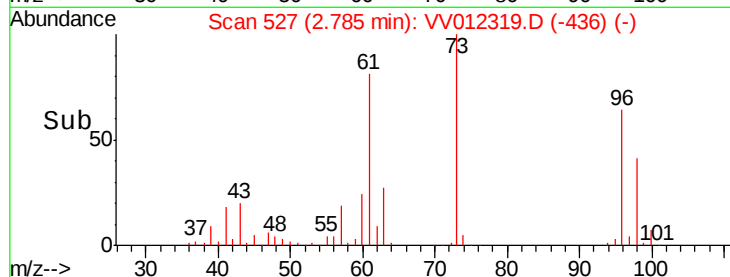
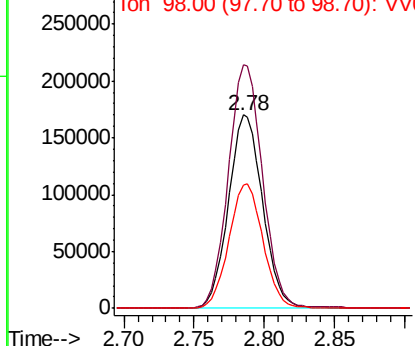
#17
trans-1,2-Dichloroethene
Concen: 193.396 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion: 96 Resp: 288840
Ion Ratio Lower Upper
96 100
61 126.1 87.0 161.6
98 64.1 43.8 81.4

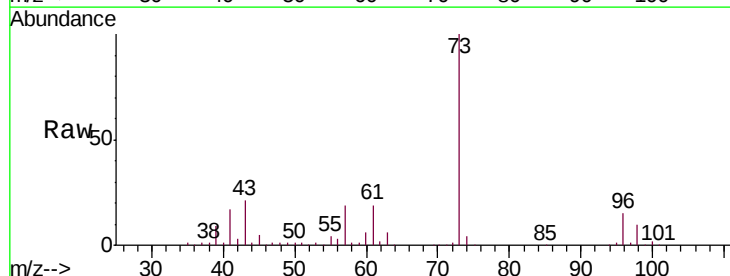


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

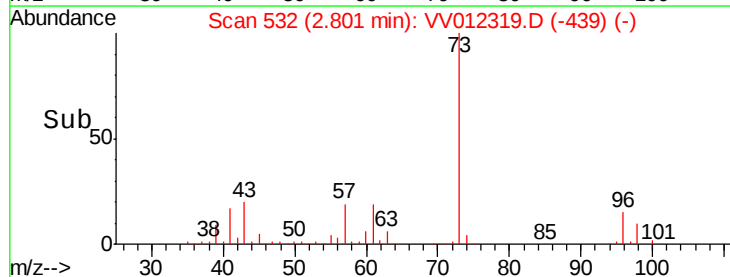
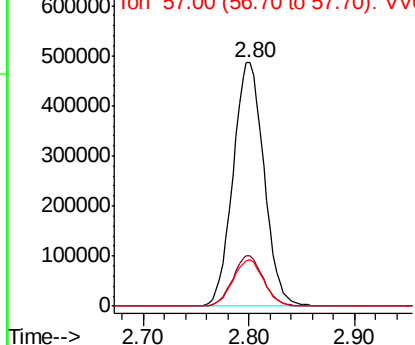


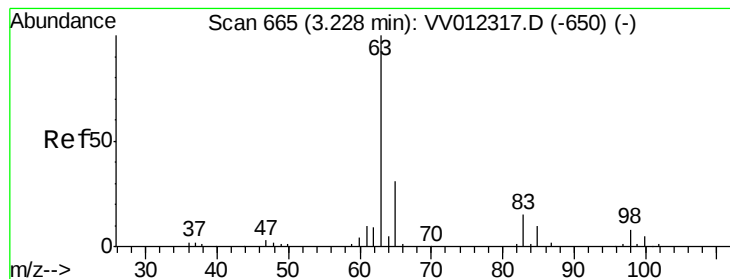
#18
Methyl tert-butyl Ether
Concen: 216.593 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Tgt Ion: 73 Resp: 989054
Ion Ratio Lower Upper
73 100
43 20.3 16.6 25.0
57 18.9 15.0 22.6



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 183.007 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampled :

VSTD20064

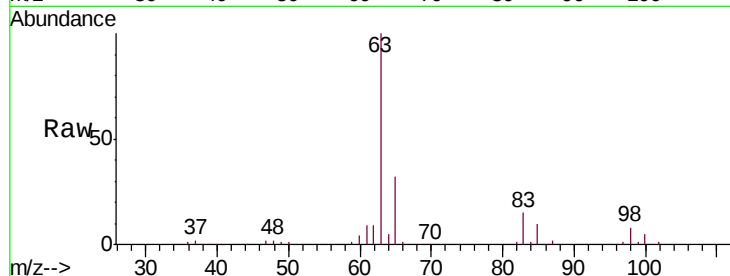
Tgt Ion: 63 Resp: 486705

Ion Ratio Lower Upper

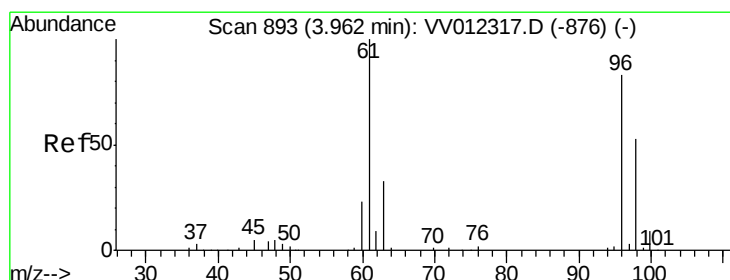
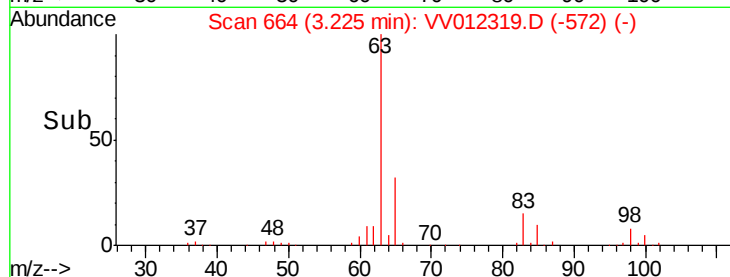
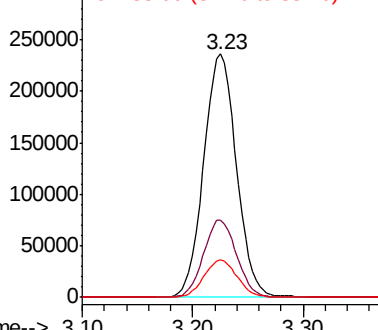
63 100

65 31.7 21.7 40.3

83 15.3 10.5 19.5



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 198.792 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

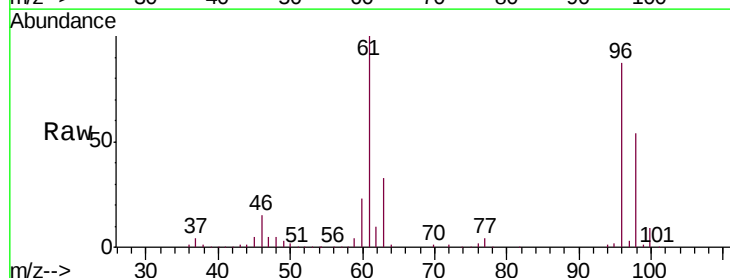
Tgt Ion: 96 Resp: 328991

Ion Ratio Lower Upper

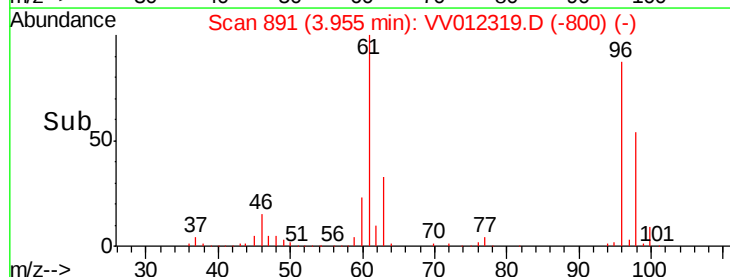
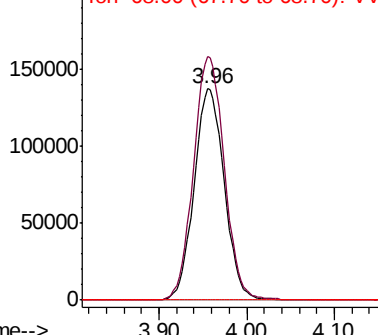
96 100

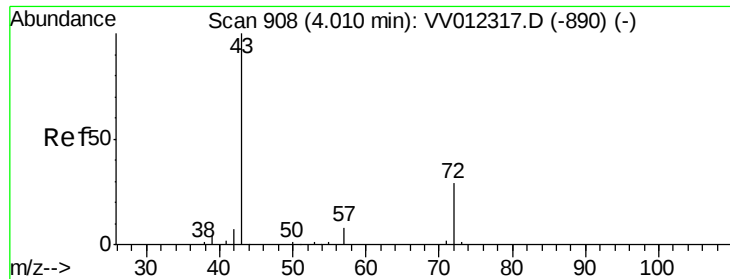
61 115.2 84.4 156.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 321.986 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

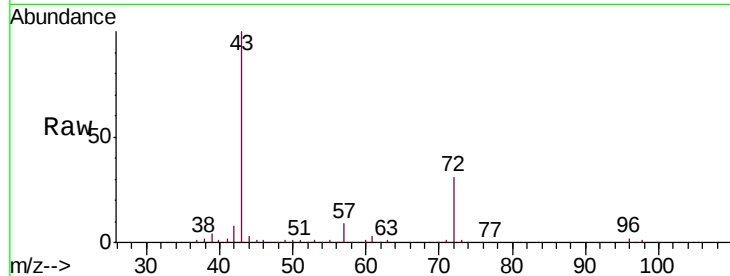
VSTD20064

Tgt Ion: 43 Resp: 393006

Ion Ratio Lower Upper

43 100

72 31.2 15.0 45.1



Abundance Ion 43.00 (42.70 to 43.70): VV012317.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV012317.D (-890) (-)

4.00

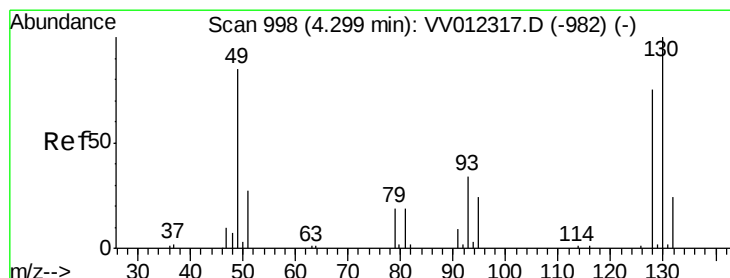
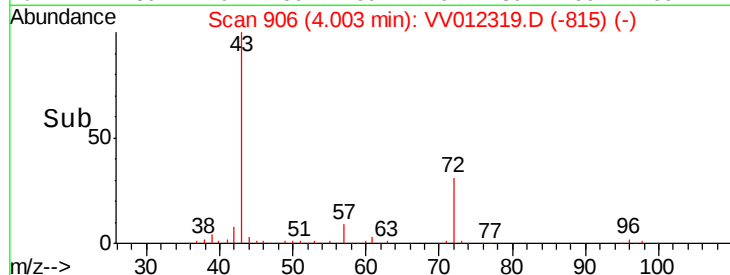
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 208.239 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.01 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Tgt Ion: 128 Resp: 182047

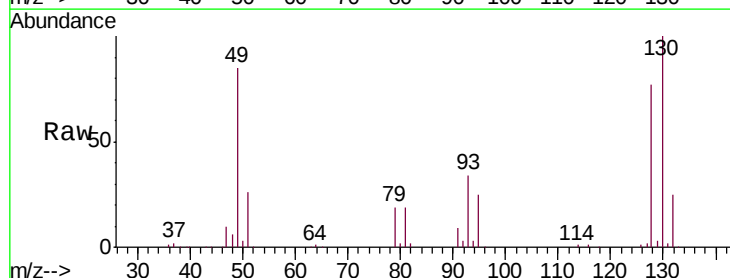
Ion Ratio Lower Upper

128 100

49 110.1 78.8 146.4

130 129.1 93.0 172.6

51 33.9 28.5 42.7



Abundance Ion 128.00 (127.70 to 128.70): VV012319.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV012319.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV012319.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV012319.D (-905) (-)

4.29

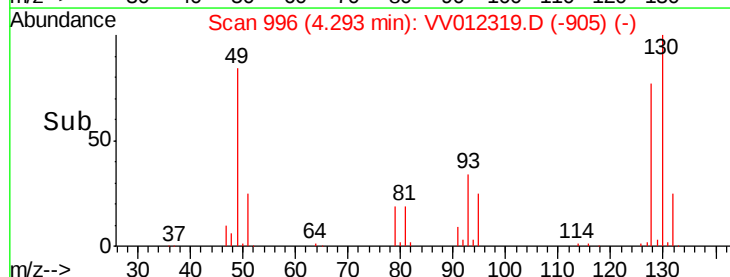
150000

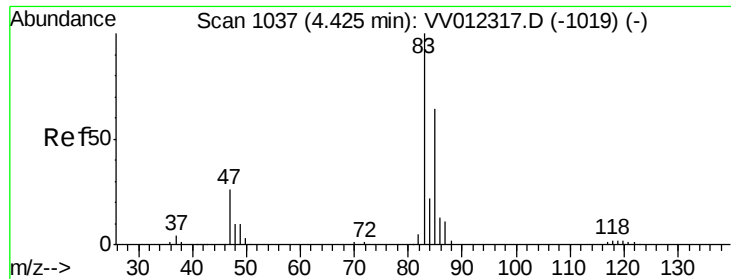
100000

50000

0

Time-->

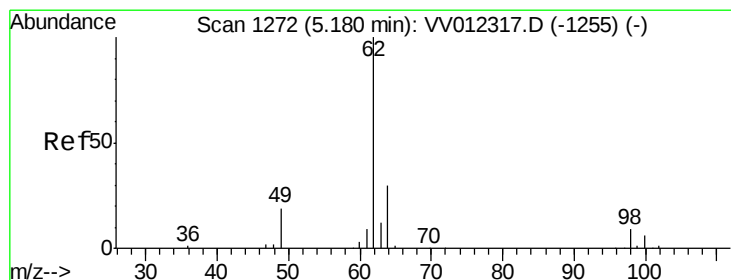
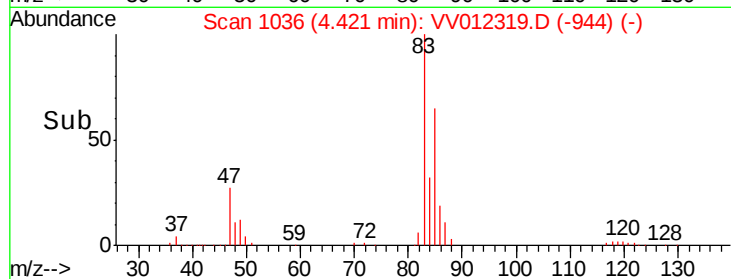
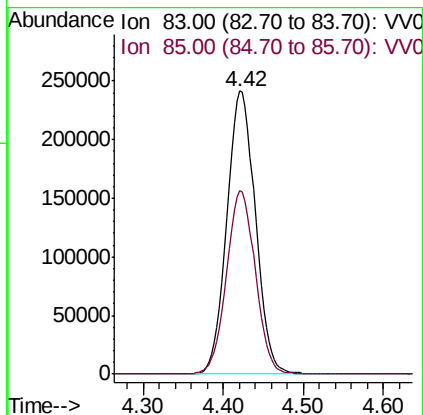
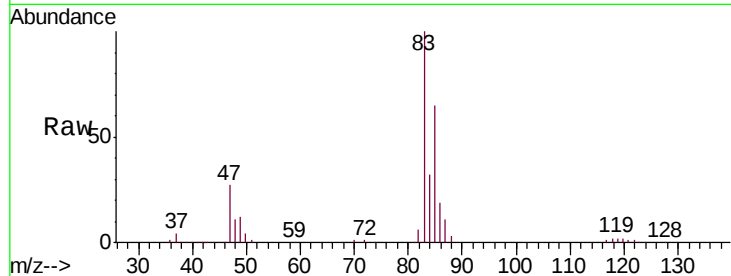




#25
Chloroform
Concen: 204.025 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

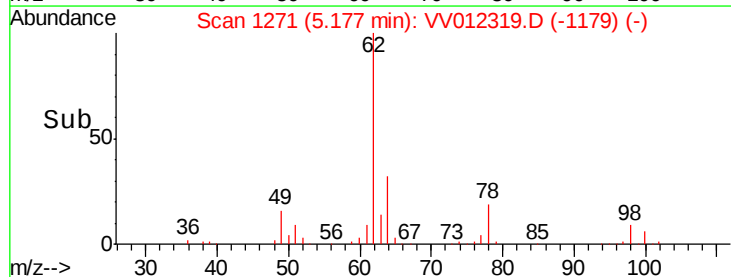
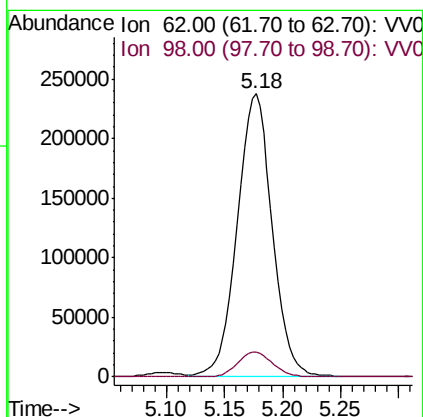
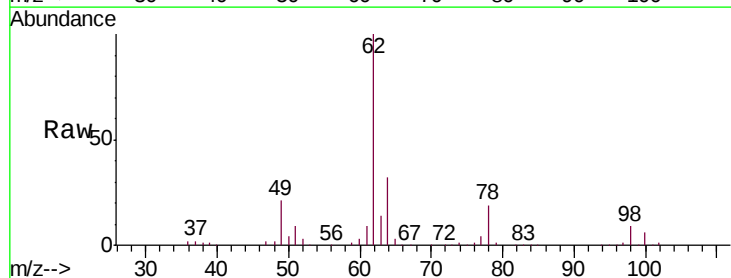
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

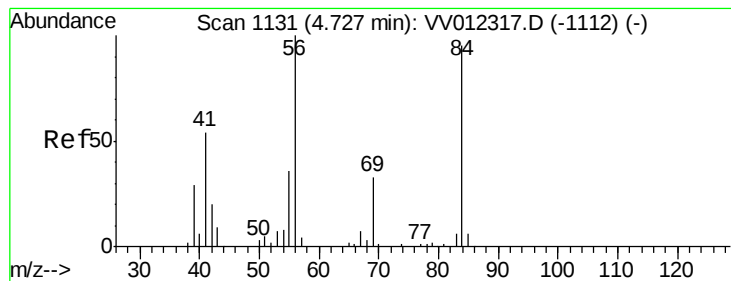
Tgt Ion: 83 Resp: 587215
Ion Ratio Lower Upper
83 100
85 64.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 226.001 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Tgt Ion: 62 Resp: 494034
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3





#29

Cyclohexane

Concen: 171.381 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

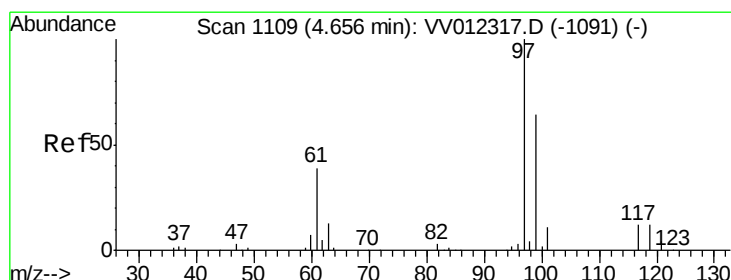
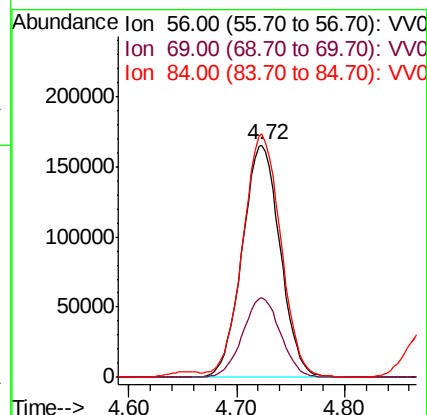
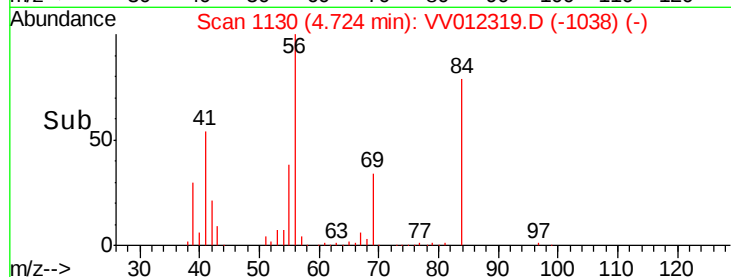
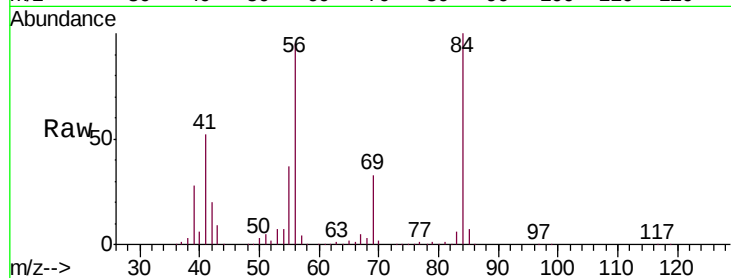
Tgt Ion: 56 Resp: 404316

Ion Ratio Lower Upper

56 100

69 34.3 26.8 40.2

84 105.5 81.7 122.5



#30

1,1,1-Trichloroethane

Concen: 230.100 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

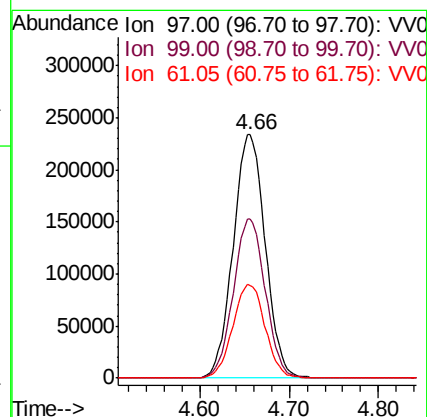
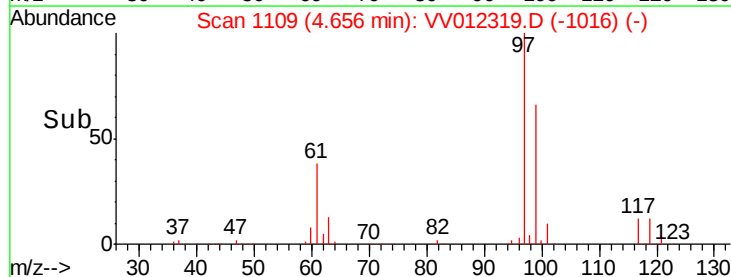
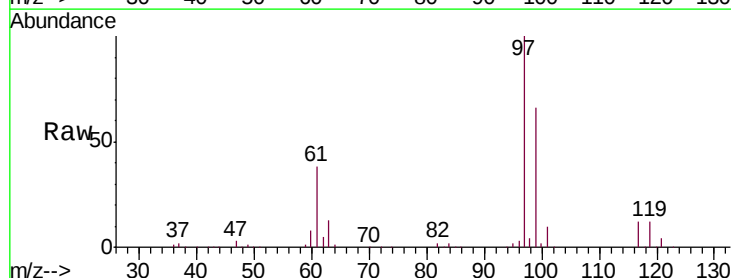
Tgt Ion: 97 Resp: 581814

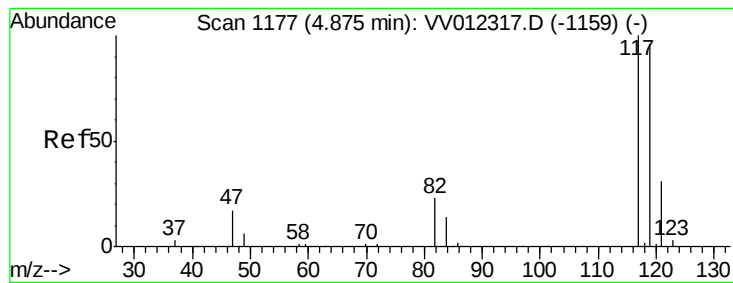
Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

61 38.7 31.0 46.6





#31

Carbon tetrachloride

Concen: 242.753 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

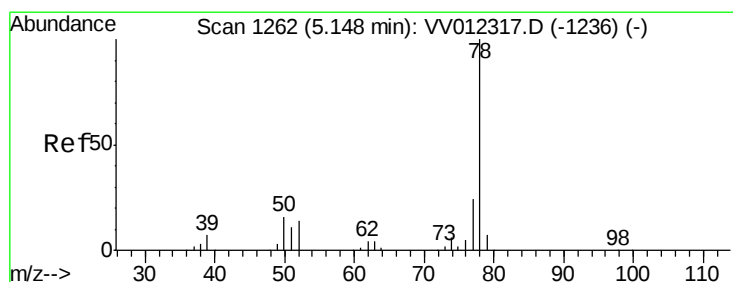
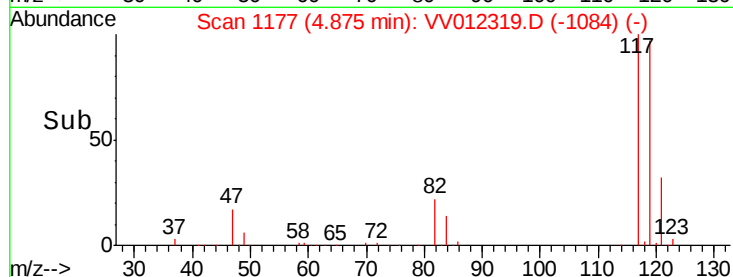
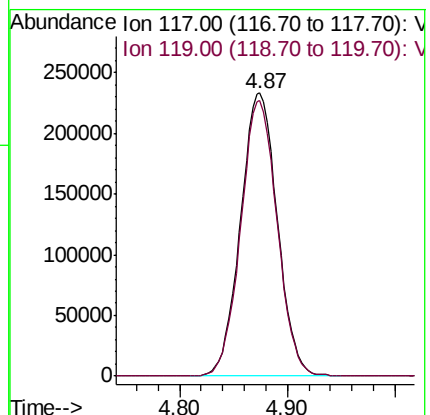
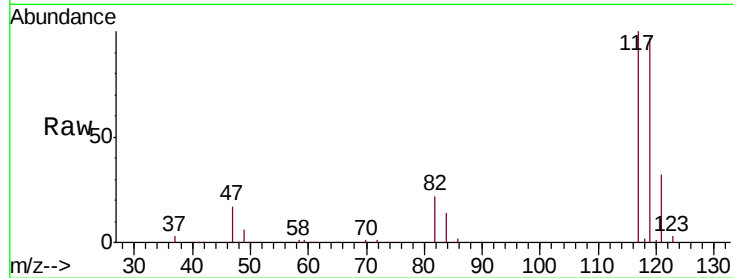
VSTD20064

Tgt Ion:117 Resp: 553233

Ion Ratio Lower Upper

117 100

119 96.3 77.7 116.5



#33

Benzene

Concen: 185.782 ug/L

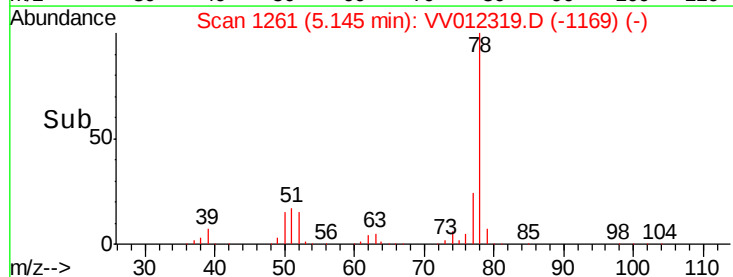
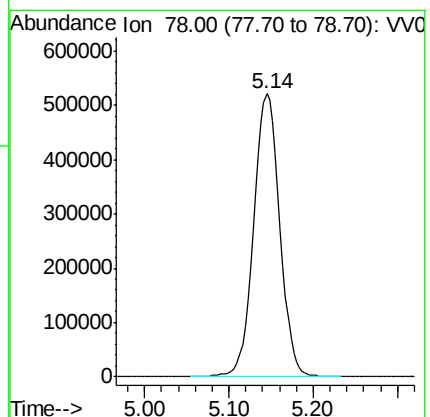
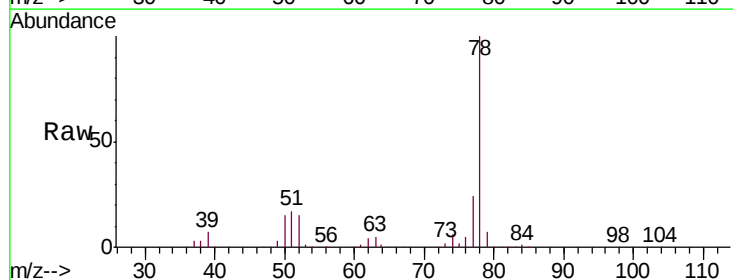
RT: 5.14 min Scan# 1261

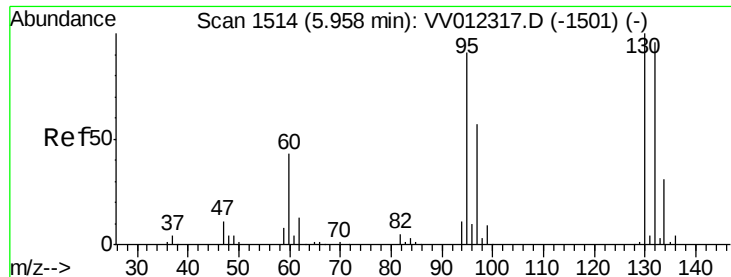
Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Tgt Ion: 78 Resp: 1117039

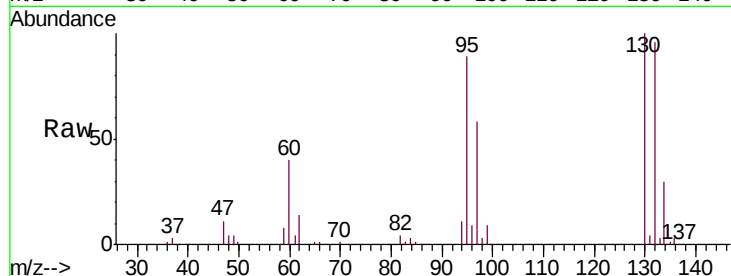




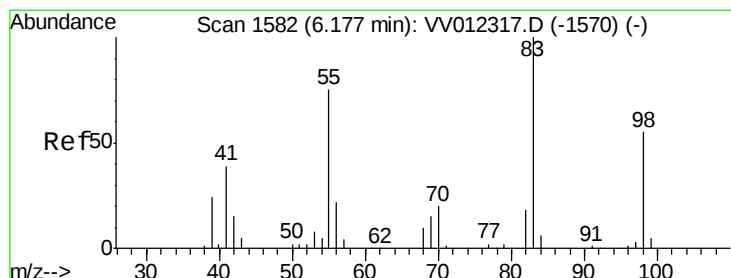
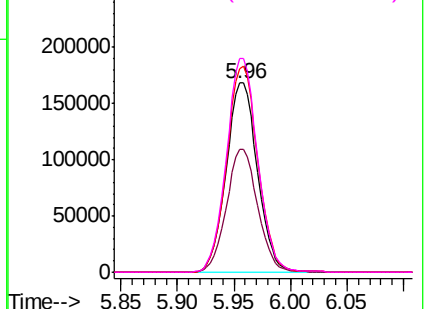
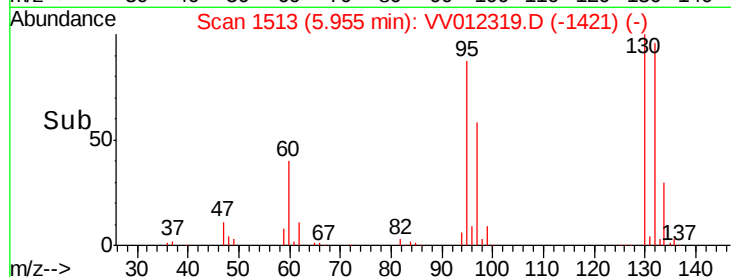
#34
 Trichloroethene
 Concen: 200.157 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:	95	Resp:	325056
Ion	Ratio	Lower	Upper
95	100		
97	65.1	43.6	81.0
132	107.8	73.9	137.3
130	112.6	76.6	142.2

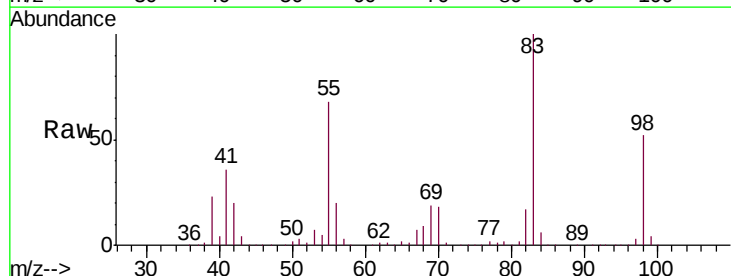


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

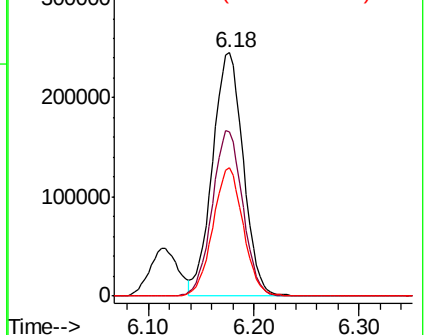
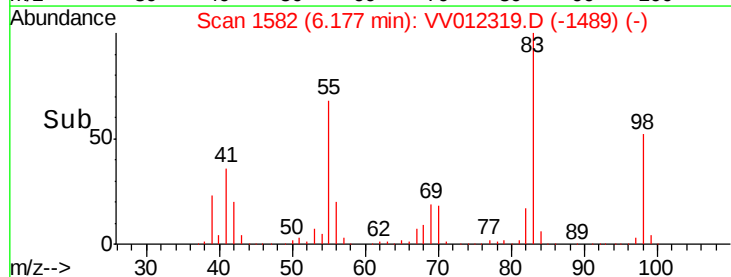


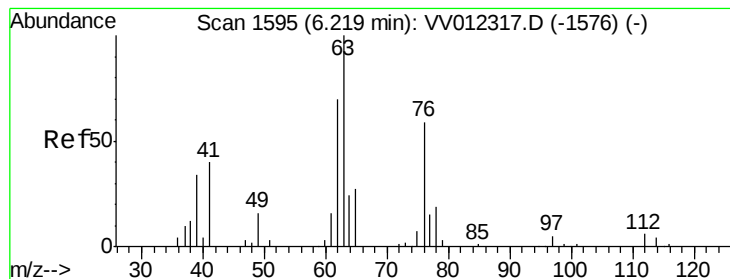
#35
 Methylcyclohexane
 Concen: 194.658 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

Tgt Ion:	83	Resp:	497713
Ion	Ratio	Lower	Upper
83	100		
55	67.4	56.2	84.4
98	52.0	42.2	63.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 171.408 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

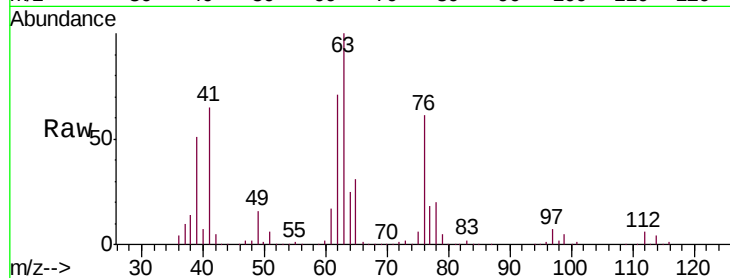
VSTD20064

Tgt Ion: 63 Resp: 258119

Ion Ratio Lower Upper

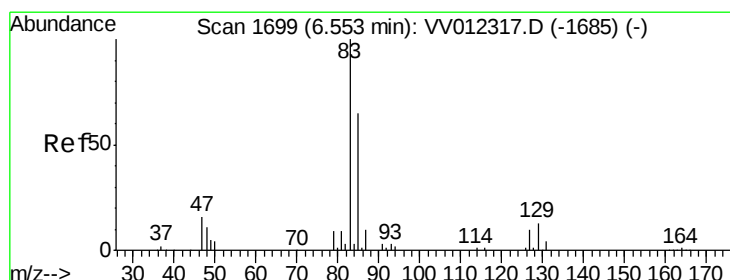
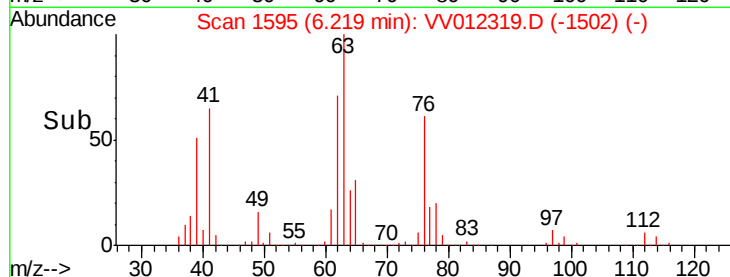
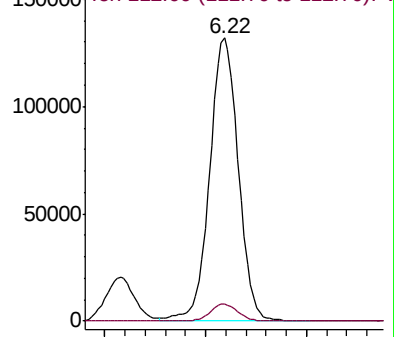
63 100

112 5.9 4.7 7.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 218.618 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

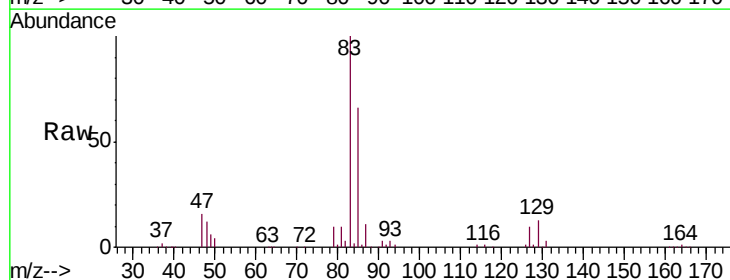
Tgt Ion: 83 Resp: 460819

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9

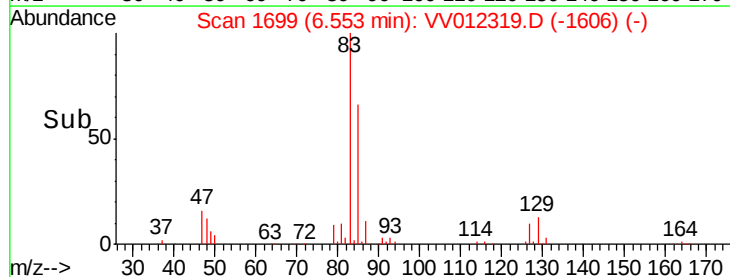
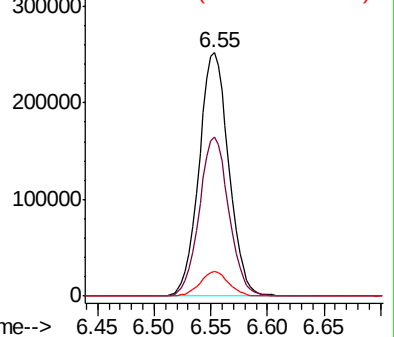
127 9.9 7.8 11.8

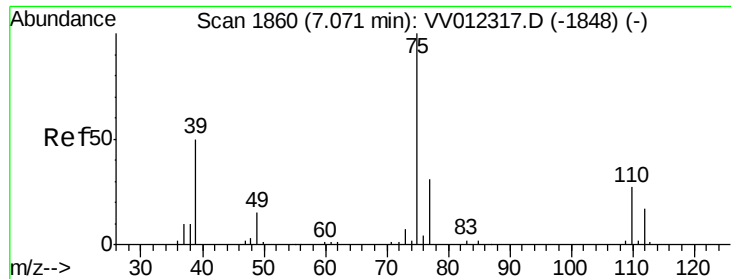


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

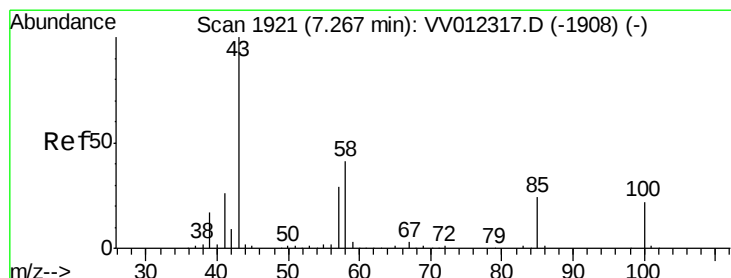
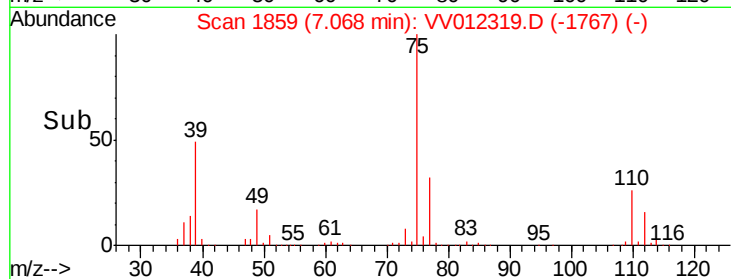
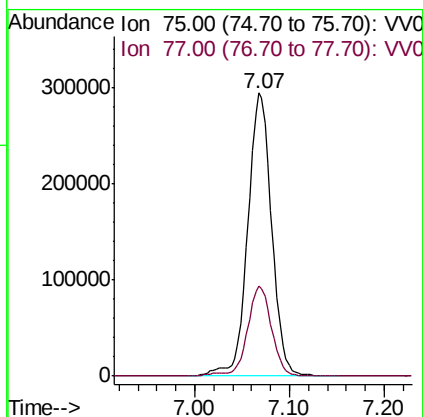
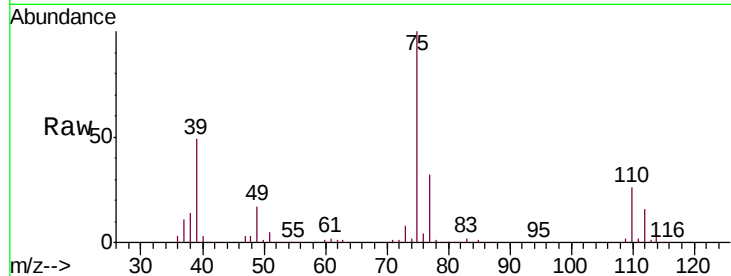




#39
 cis-1,3-Dichloropropene
 Concen: 212.354 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

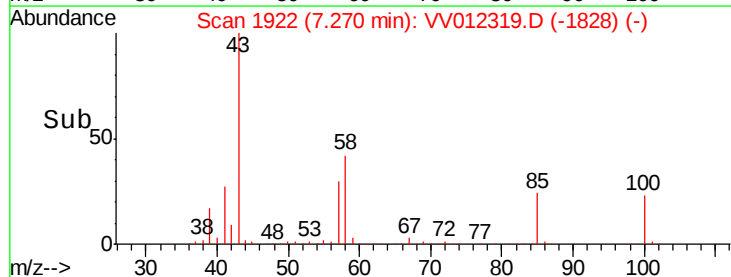
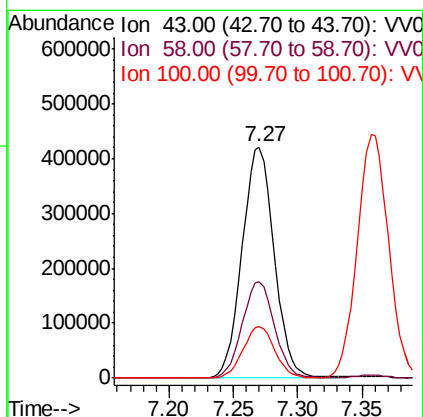
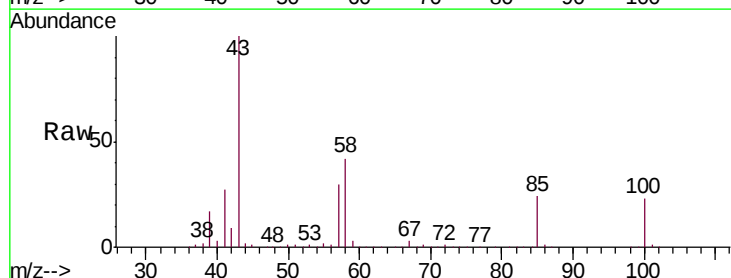
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

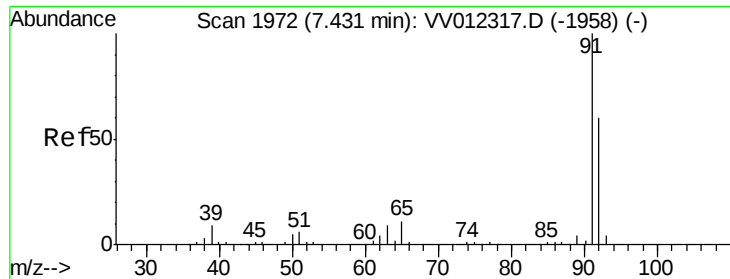
Tgt Ion: 75 Resp: 517090
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 351.564 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

Tgt Ion: 43 Resp: 730286
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.7 50.5
 100 22.2 17.8 26.6





#42

Toluene

Concen: 198.499 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

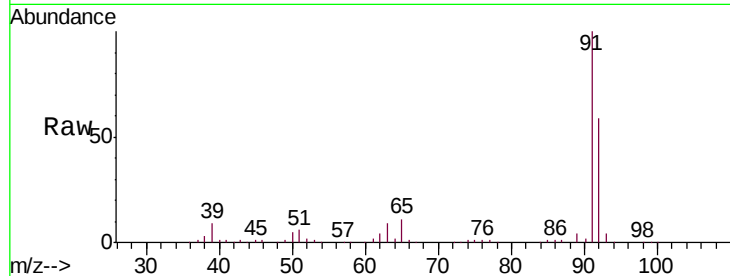
VSTD20064

Tgt Ion: 91 Resp: 1282474

Ion Ratio Lower Upper

91 100

92 59.4 42.4 78.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

800000

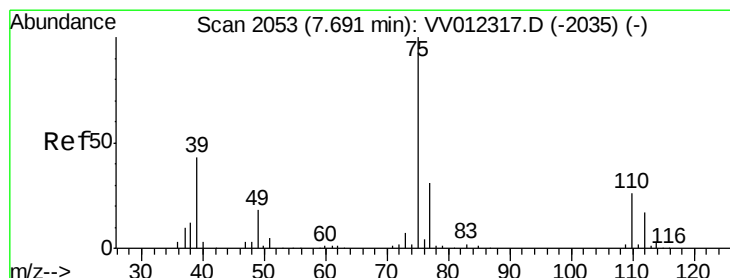
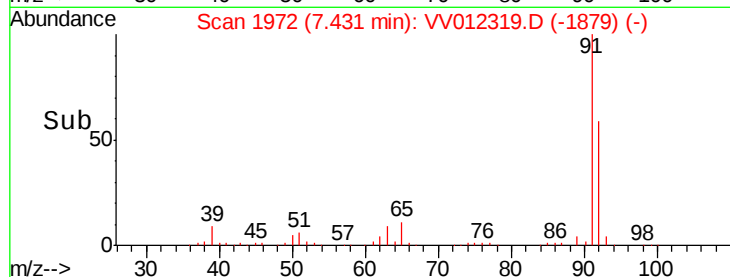
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 217.133 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012319.D

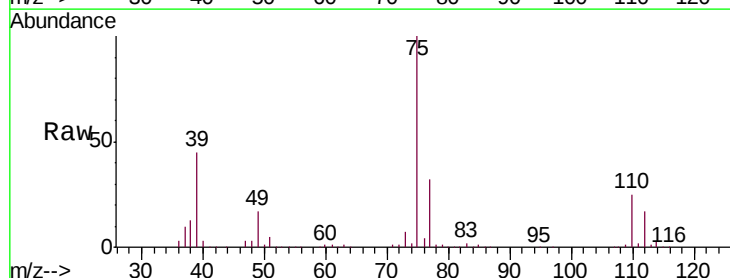
Acq: 21 Aug 2019 17:29

Tgt Ion: 75 Resp: 486554

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

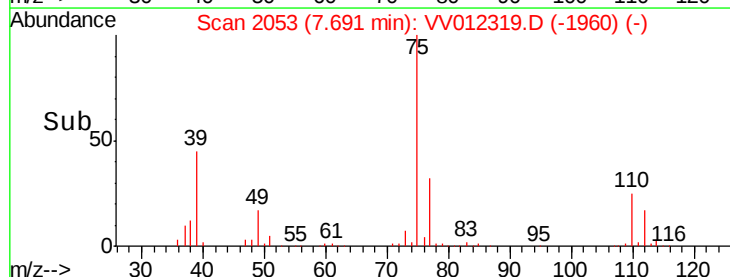
300000

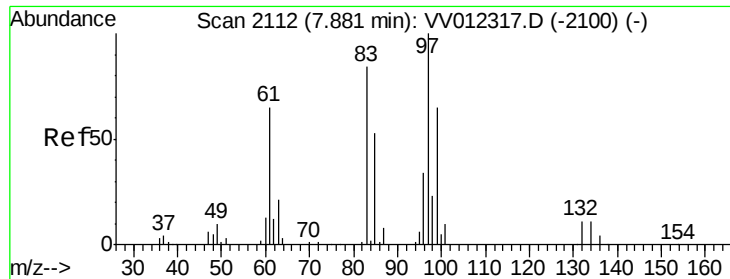
200000

100000

0

Time-->

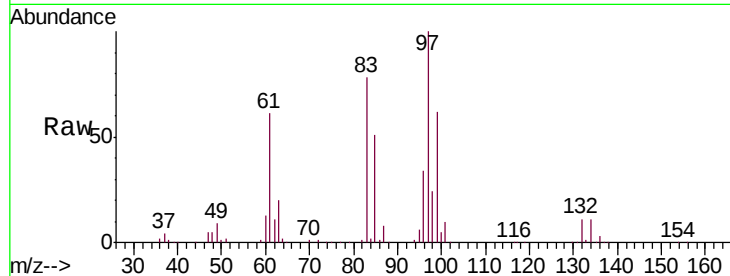




#45
 1,1,2-Trichloroethane
 Concen: 196.555 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

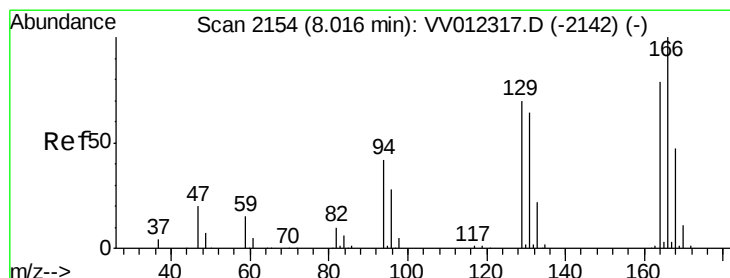
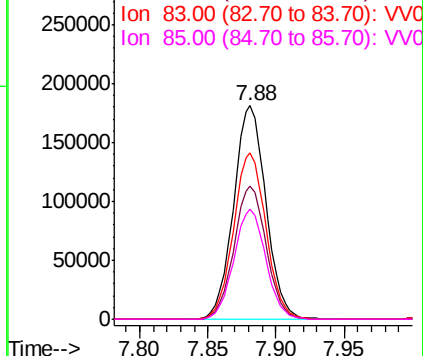
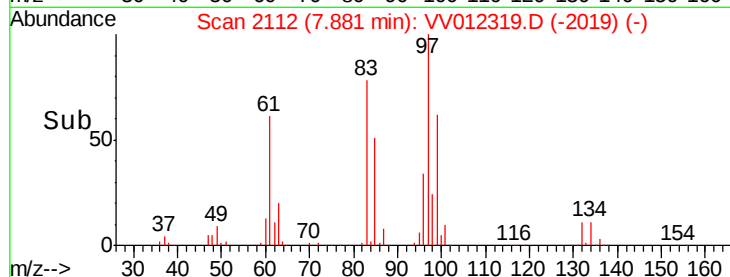
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20064

Tgt Ion:	97	Resp:	298038
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.5	84.5
83	77.7	58.5	108.7
85	51.3	36.8	68.4



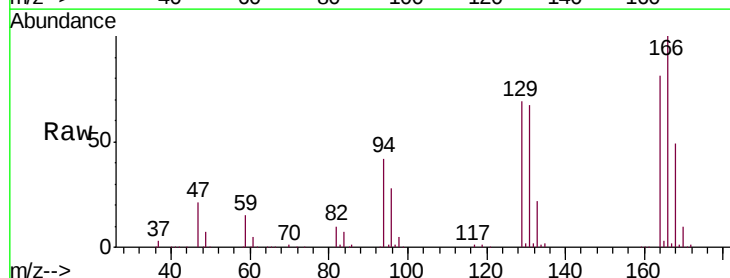
Abundance

Ion 97.00 (96.70 to 97.70): VV012319.D (-2019) (-)



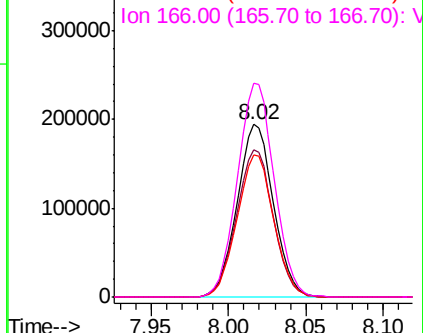
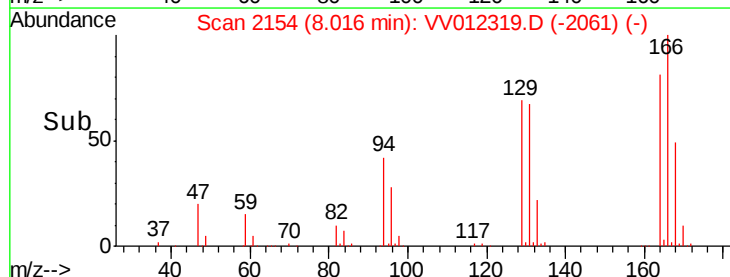
#46
 Tetrachloroethene
 Concen: 224.435 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

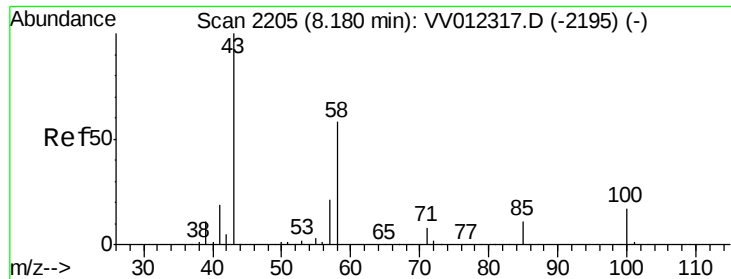
Tgt Ion:	164	Resp:	316668
Ion	Ratio	Lower	Upper
164	100		
129	85.5	61.5	114.3
131	82.5	56.6	105.0
166	123.9	88.2	163.8



Abundance

Ion 164.00 (163.70 to 164.70): VV012319.D (-2061) (-)

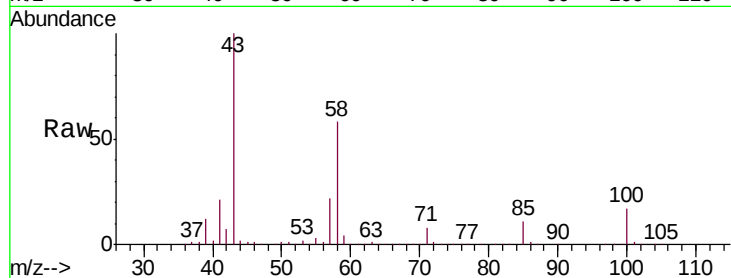




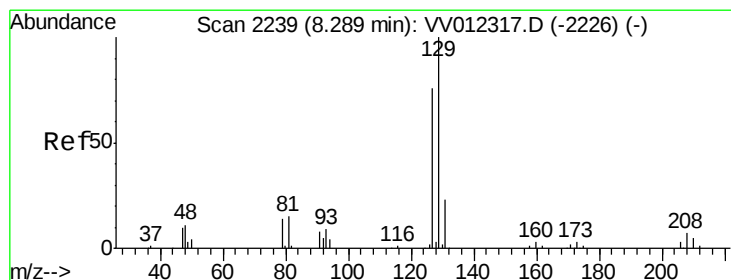
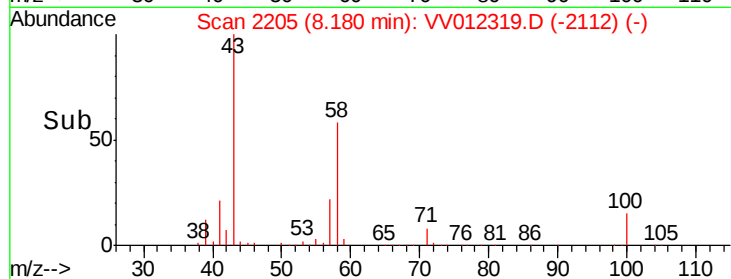
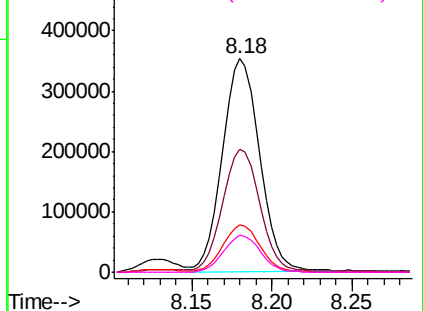
#48
2-Hexanone
Concen: 329.736 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Instrument :
MSVOA_V
ClientSampled :
VSTD20064

Tgt Ion: 43 Resp: 557235
Ion Ratio Lower Upper
43 100
58 58.7 45.7 68.5
57 22.2 16.8 25.2
100 17.5 13.7 20.5

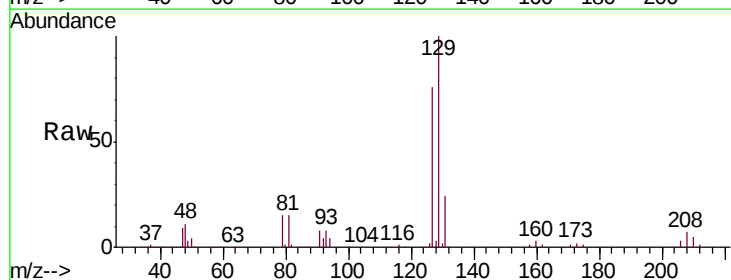


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

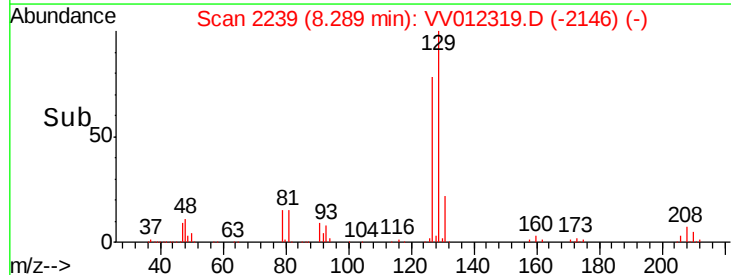
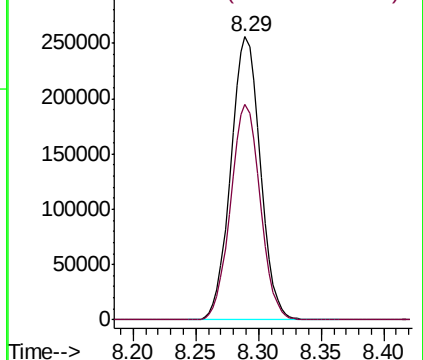


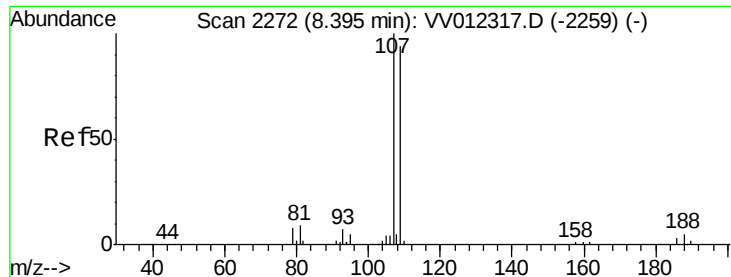
#49
Dibromochloromethane
Concen: 236.575 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Tgt Ion: 129 Resp: 418677
Ion Ratio Lower Upper
129 100
127 76.0 53.5 99.5



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

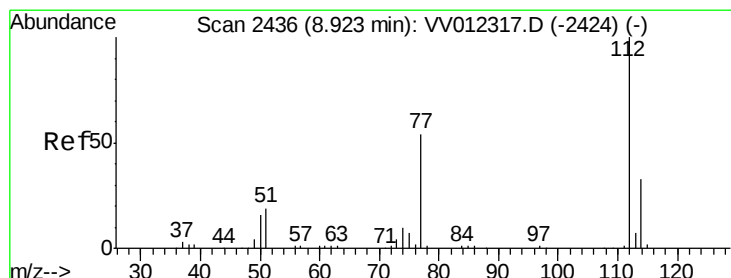
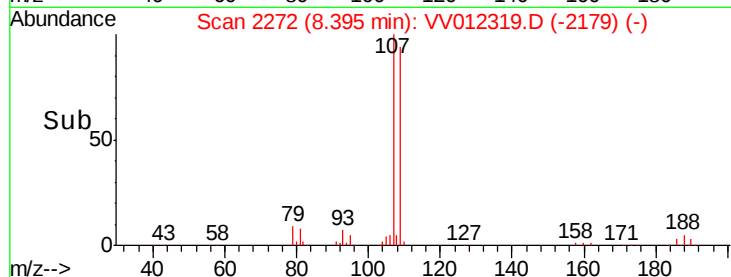
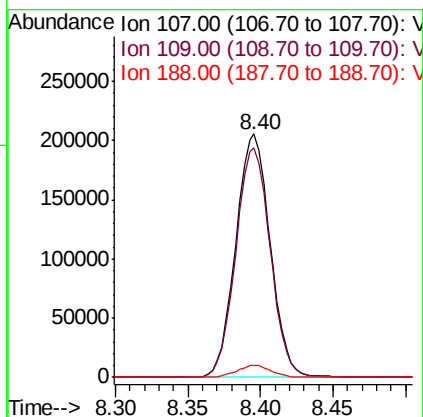
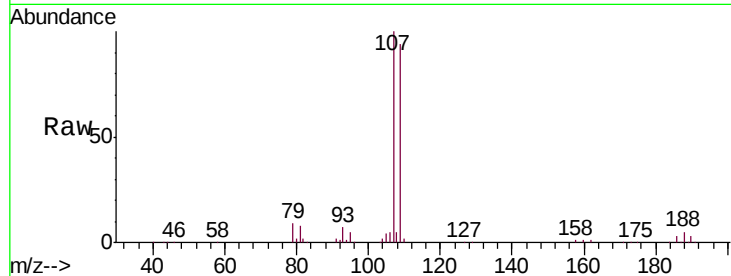




#50
1,2-Dibromoethane
Concen: 206.966 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

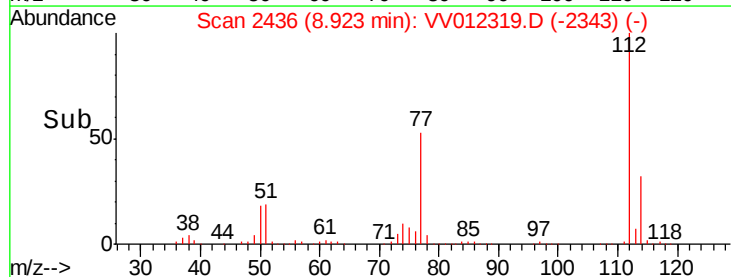
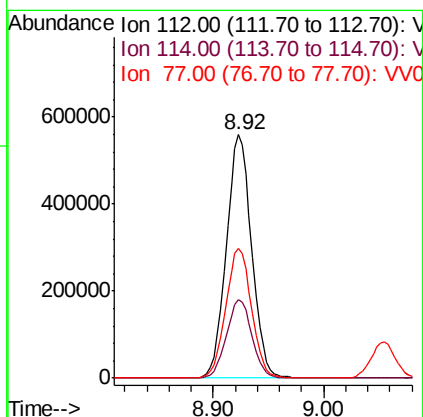
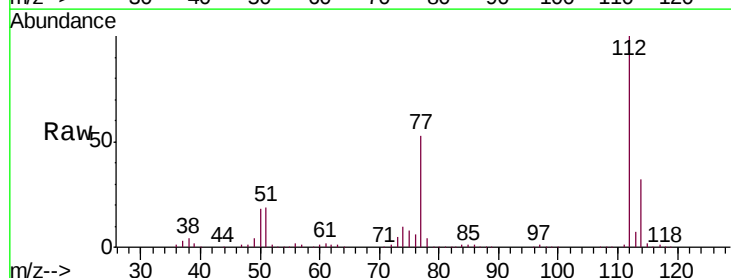
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

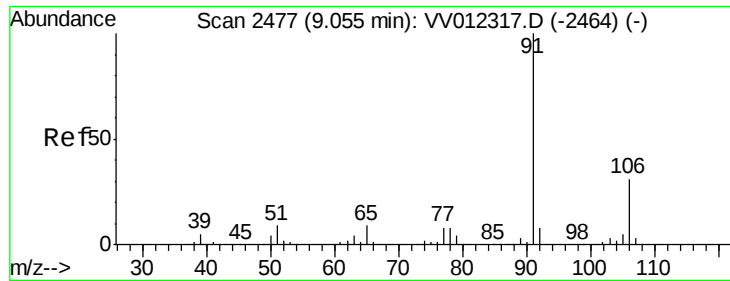
Tgt Ion:107 Resp: 339212
Ion Ratio Lower Upper
107 100
109 94.1 65.7 121.9
188 5.0 3.9 5.9



#51
Chlorobenzene
Concen: 205.047 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012319.D
Acq: 21 Aug 2019 17:29

Tgt Ion:112 Resp: 889546
Ion Ratio Lower Upper
112 100
114 32.0 23.4 43.6
77 53.5 43.8 65.6





#52

Ethylbenzene

Concen: 208.542 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

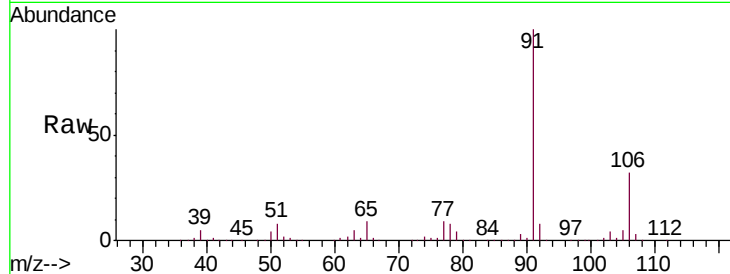
VSTD20064

Tgt Ion: 91 Resp: 1495944

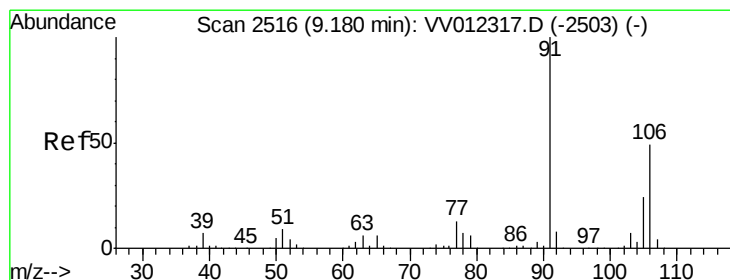
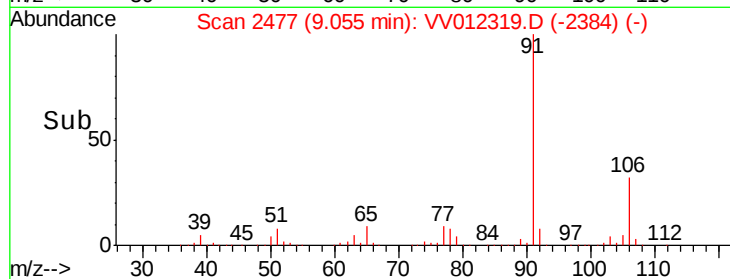
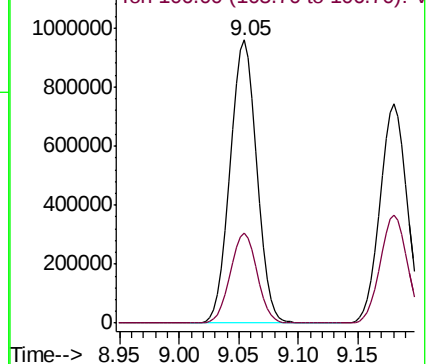
Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV012319.D (-2464) (-)



#53

m,p-Xylene

Concen: 210.534 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012319.D

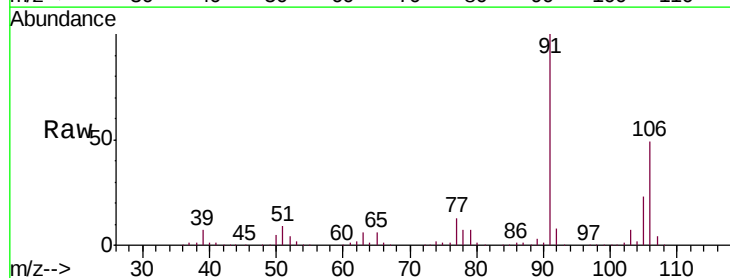
Acq: 21 Aug 2019 17:29

Tgt Ion: 106 Resp: 580151

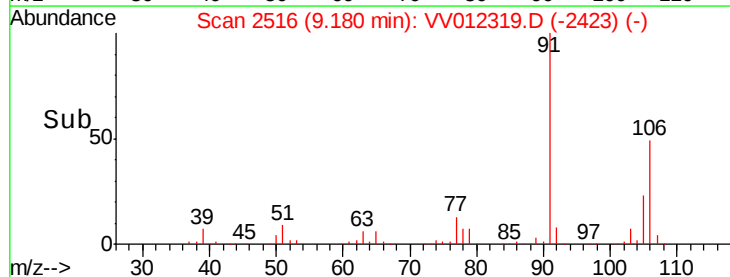
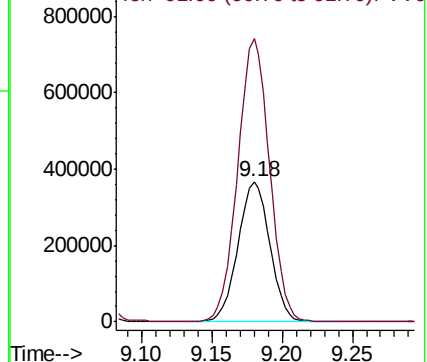
Ion Ratio Lower Upper

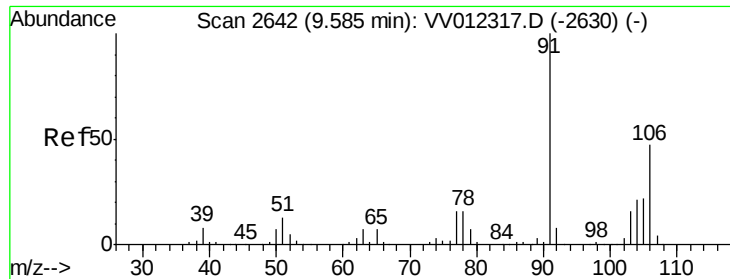
106 100

91 202.1 143.5 266.5



Abundance Ion 106.00 (105.70 to 106.70): VV012319.D (-2503) (-)





#54

o-xylene

Concen: 213.378 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

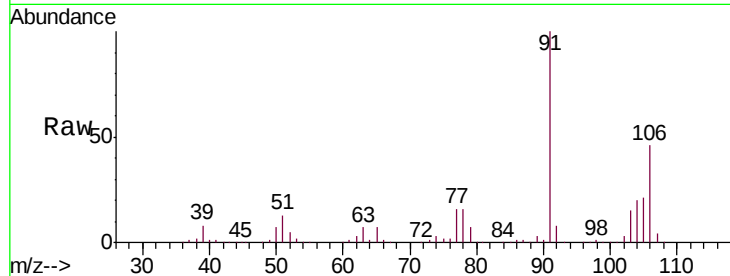
VSTD20064

Tgt Ion:106 Resp: 571468

Ion Ratio Lower Upper

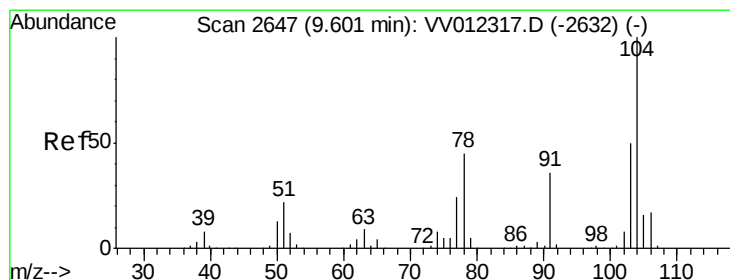
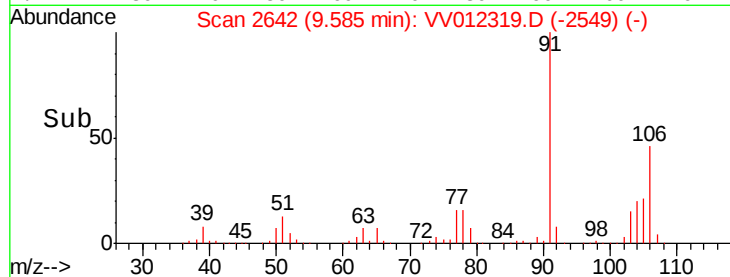
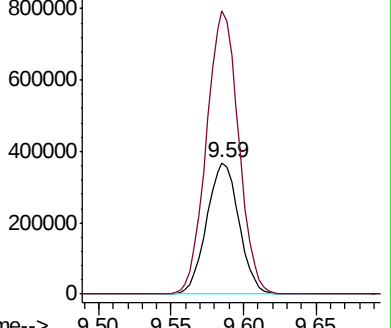
106 100

91 216.0 149.2 277.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 214.283 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012319.D

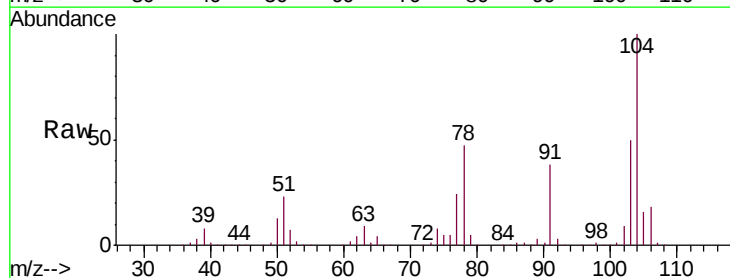
Acq: 21 Aug 2019 17:29

Tgt Ion:104 Resp: 981179

Ion Ratio Lower Upper

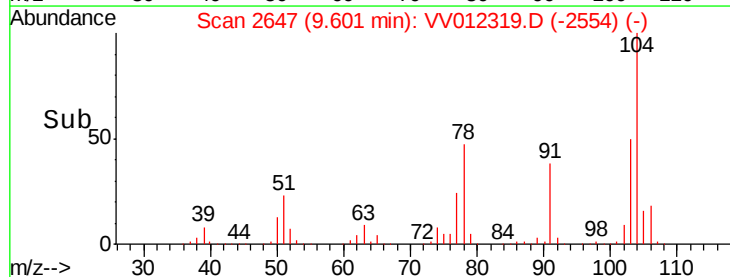
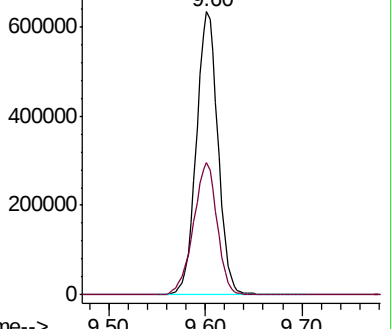
104 100

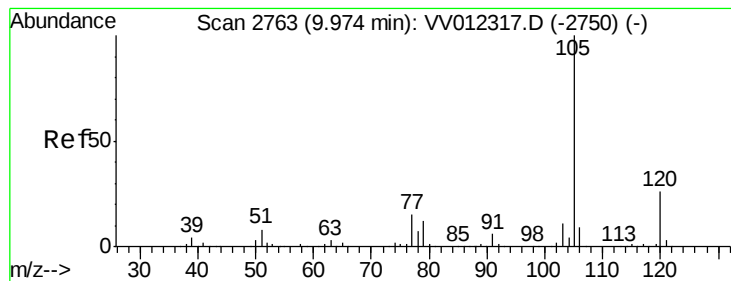
78 46.6 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 219.809 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

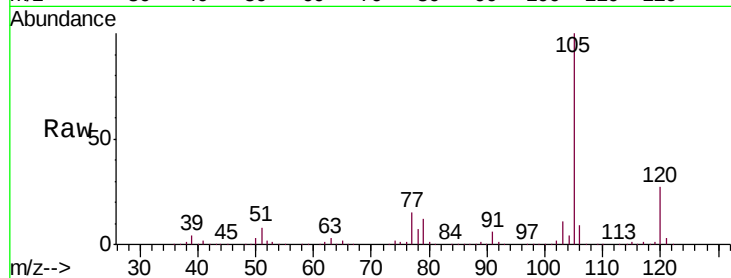
Tgt Ion:105 Resp: 1560839

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

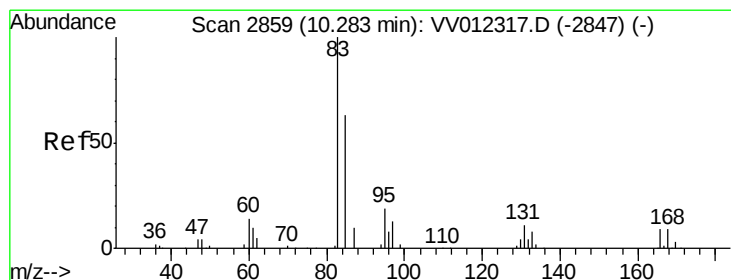
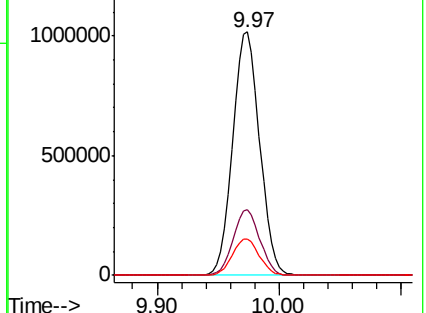
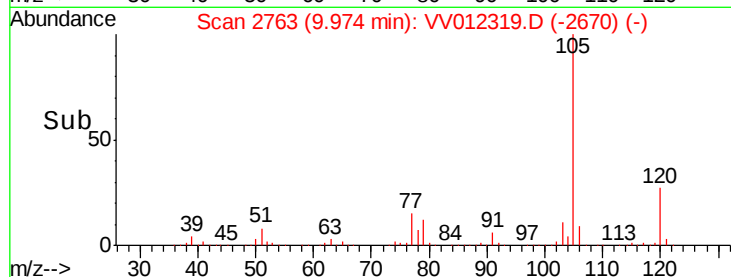
77 14.9 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 184.076 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

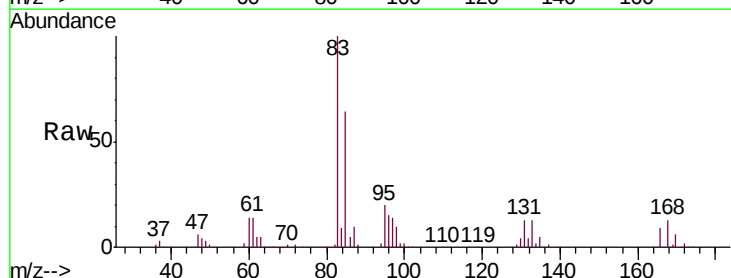
Tgt Ion: 83 Resp: 451536

Ion Ratio Lower Upper

83 100

85 64.5 44.6 82.8

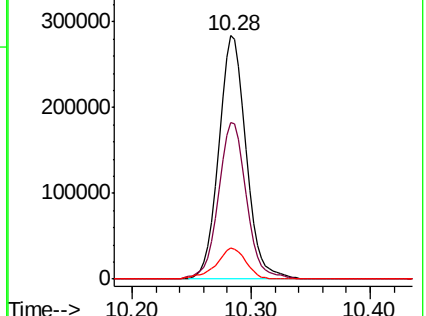
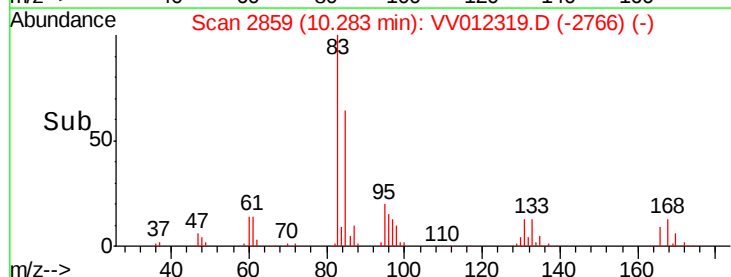
131 12.6 9.7 14.5

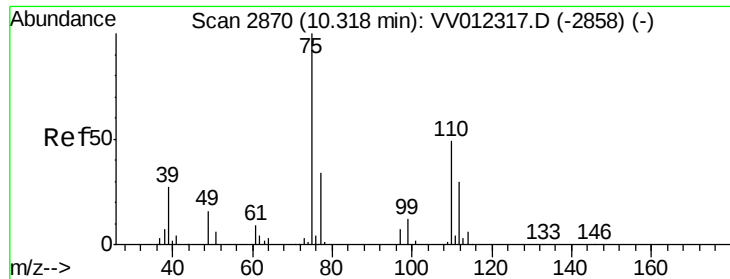


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 190.845 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

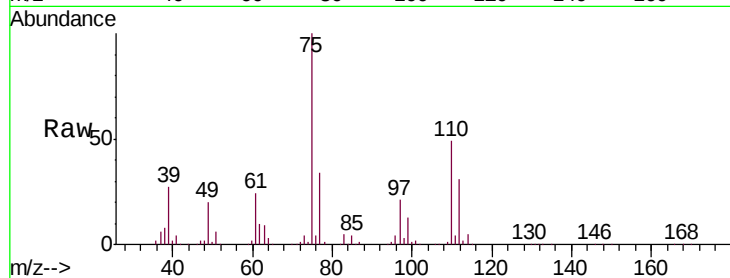
VSTD20064

Tgt Ion: 75 Resp: 369441

Ion Ratio Lower Upper

75 100

77 33.2 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV012317.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012317.D (-2858) (-)

10.32

250000

200000

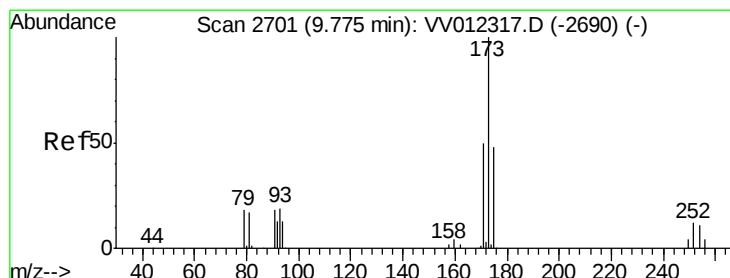
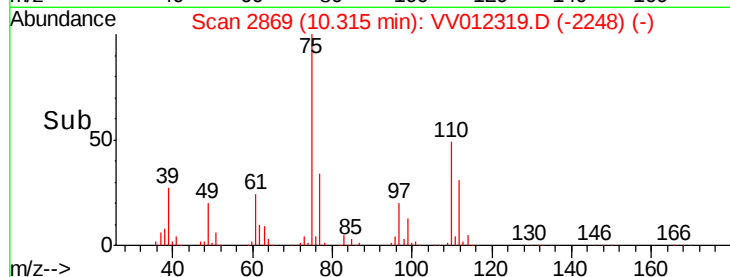
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 230.561 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

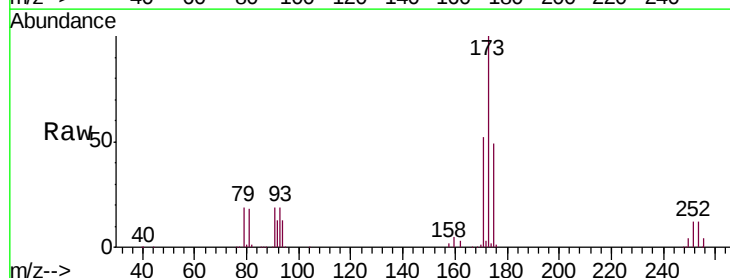
Tgt Ion: 173 Resp: 340584

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 11.9 9.3 13.9



Abundance Ion 173.00 (172.70 to 173.70): VV012317.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV012317.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV012317.D (-2690) (-)

9.77

250000

200000

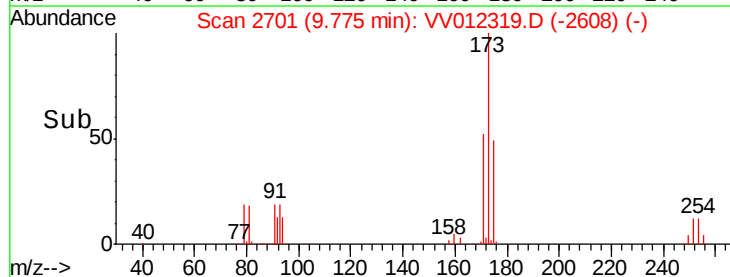
150000

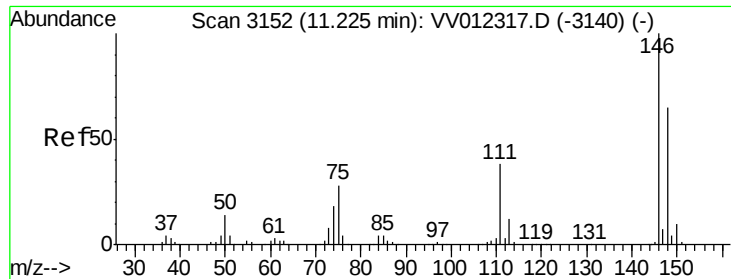
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 200.792 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

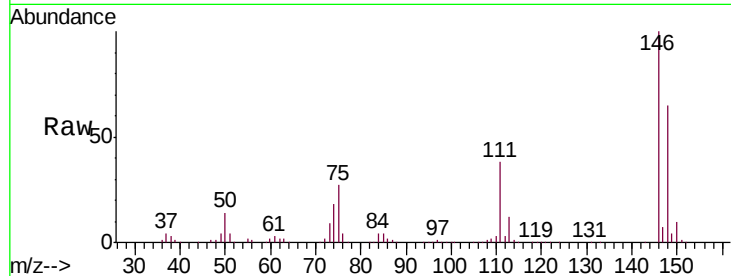
Tgt Ion:146 Resp: 796358

Ion Ratio Lower Upper

146 100

111 37.6 26.7 49.7

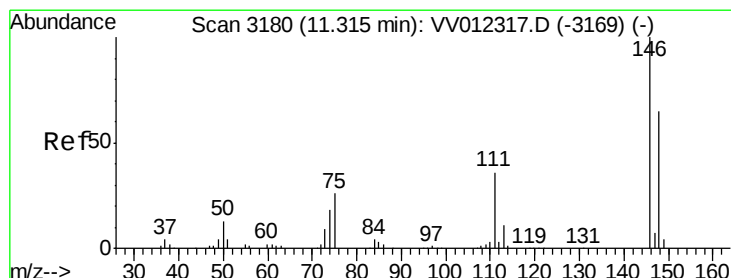
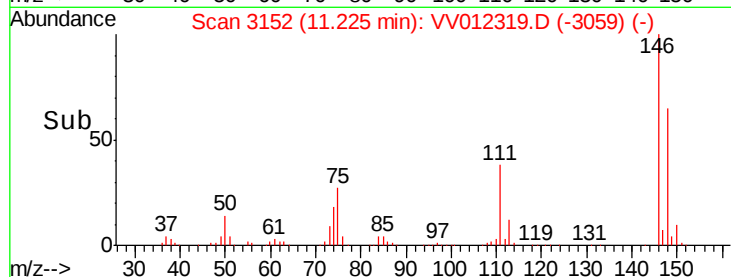
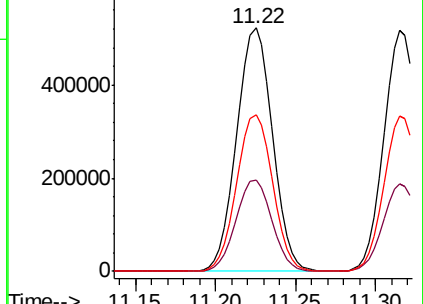
148 64.6 45.8 85.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 196.254 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

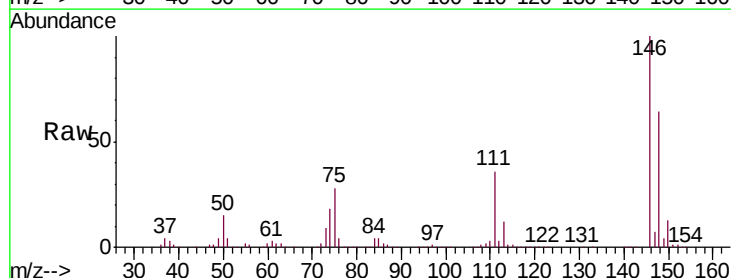
Tgt Ion:146 Resp: 794073

Ion Ratio Lower Upper

146 100

111 36.3 25.8 47.8

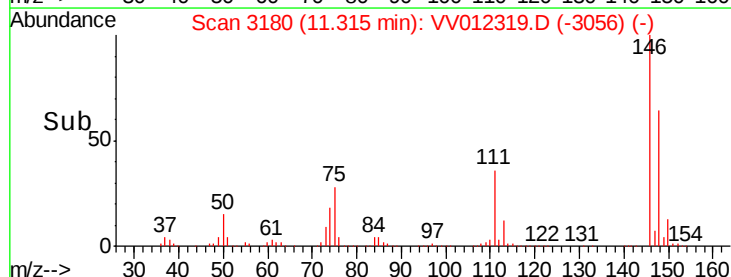
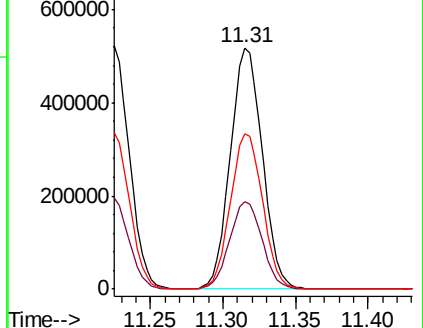
148 64.3 45.4 84.4

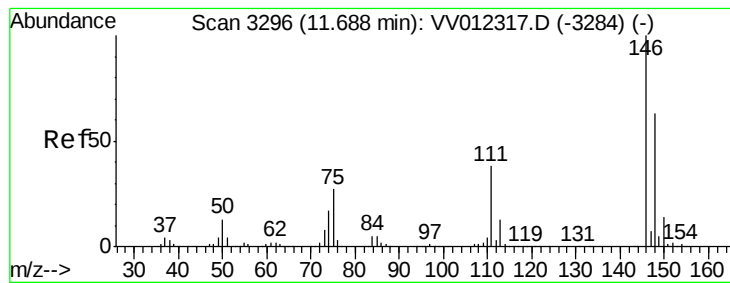


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 200.173 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

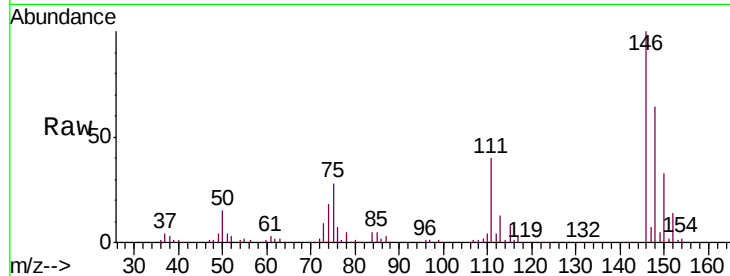
Tgt Ion: 146 Resp: 798988

Ion Ratio Lower Upper

146 100

111 39.7 30.5 45.7

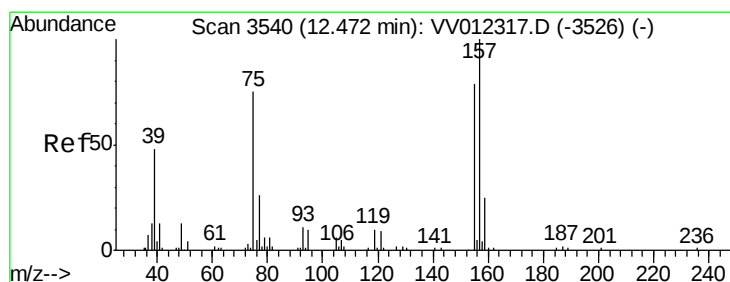
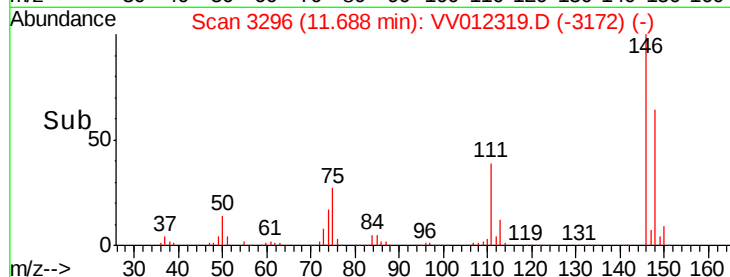
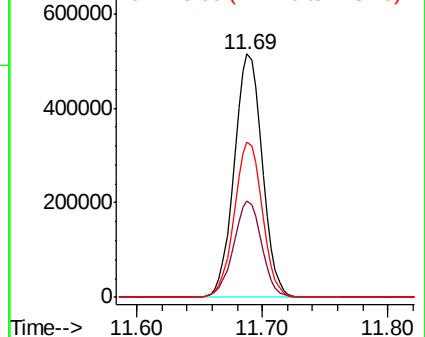
148 63.9 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 213.398 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

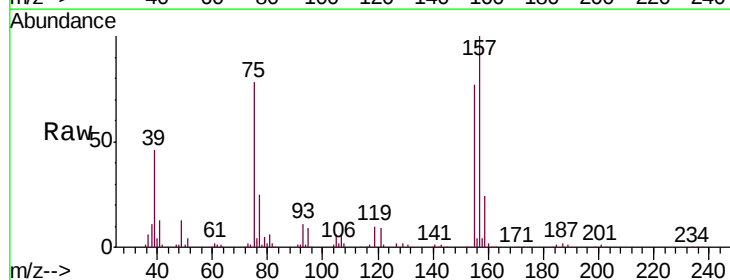
Tgt Ion: 75 Resp: 130572

Ion Ratio Lower Upper

75 100

155 98.2 83.6 125.4

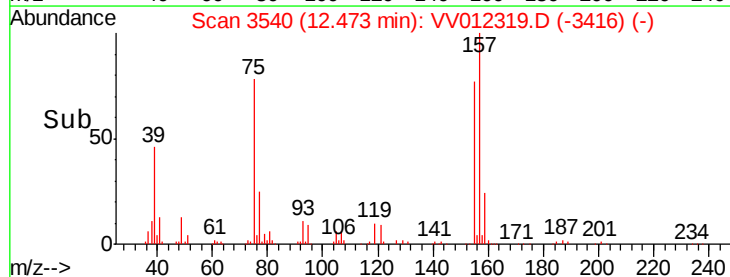
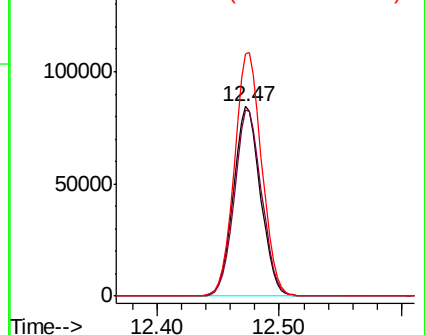
157 128.3 106.1 159.1

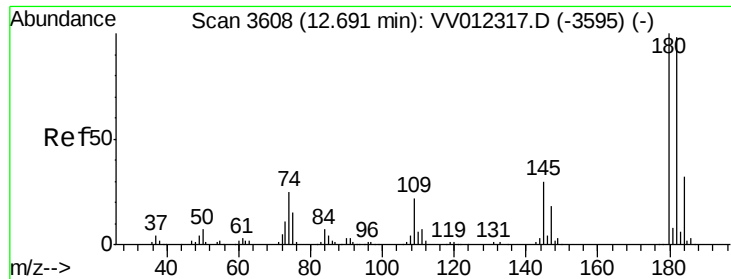


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

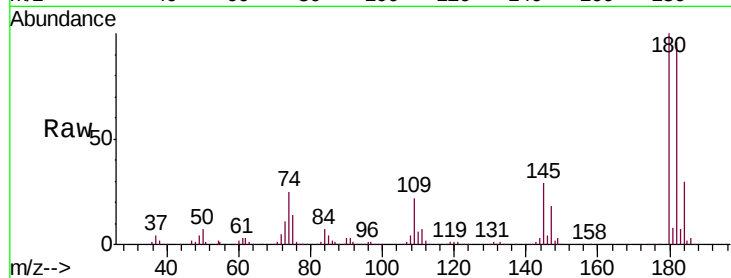




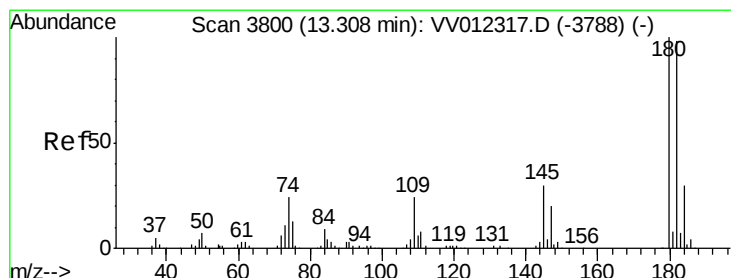
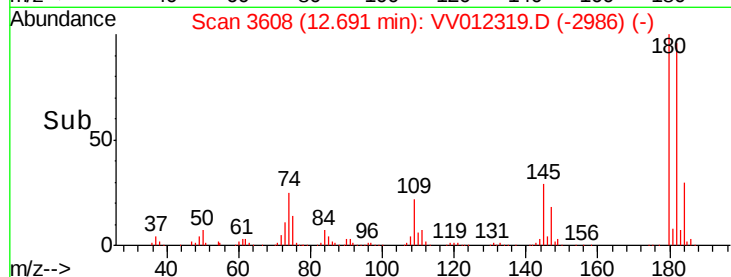
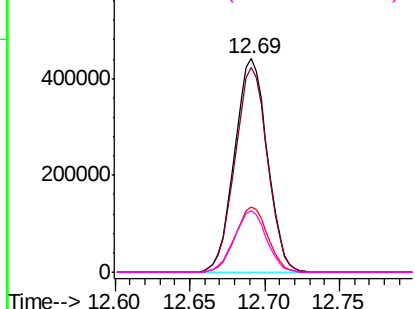
#67
 1,3,5-Trichlorobenzene
 Concen: 221.663 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:180 Resp: 672877
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.6 116.4
 184 30.2 24.9 37.3
 145 28.3 23.3 34.9

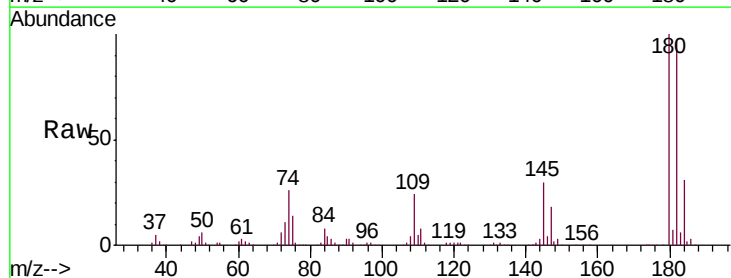


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

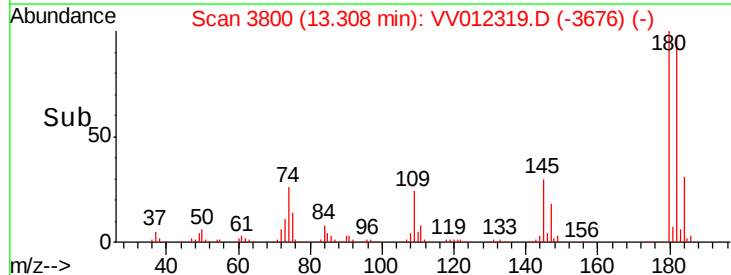
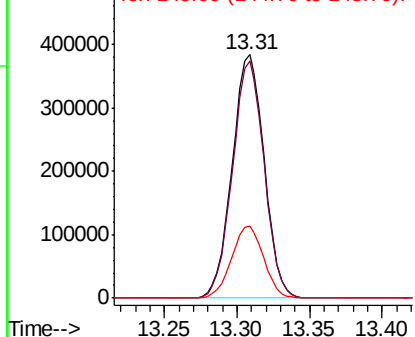


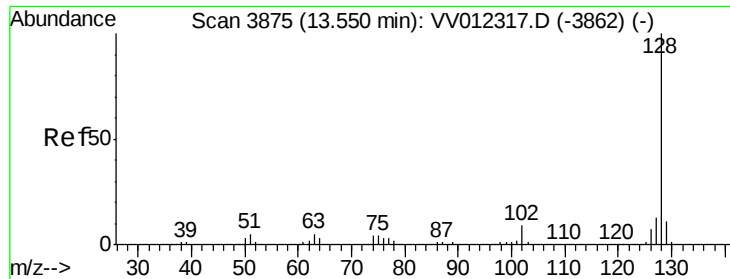
#68
 1,2,4-trichlorobenzene
 Concen: 234.095 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012319.D
 Acq: 21 Aug 2019 17:29

Tgt Ion:180 Resp: 585535
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.7 115.1
 145 29.6 23.4 35.2



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





#69

Naphthalene

Concen: 232.485 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

Instrument :

MSVOA_V

ClientSampled :

VSTD20064

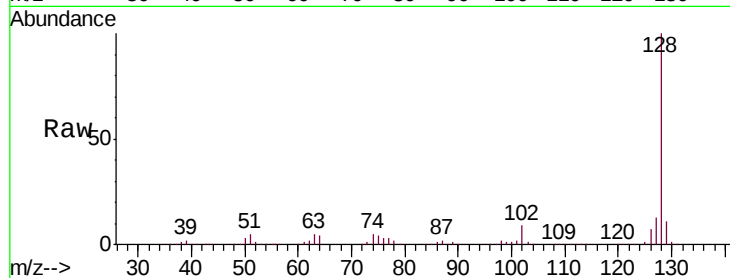
Tgt Ion:128 Resp: 1642868

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

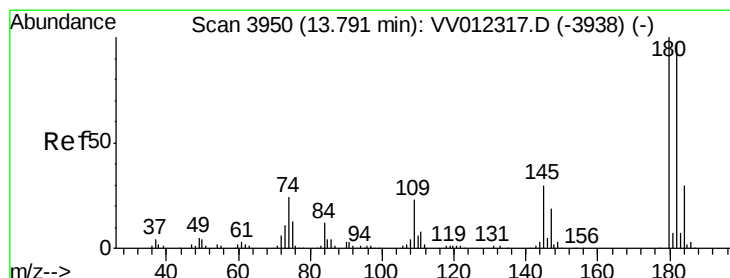
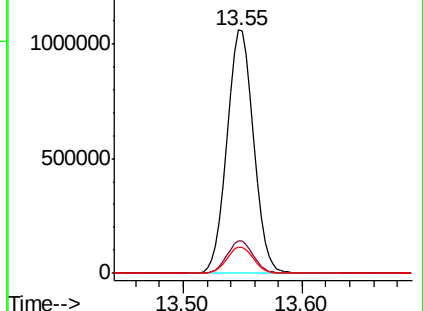
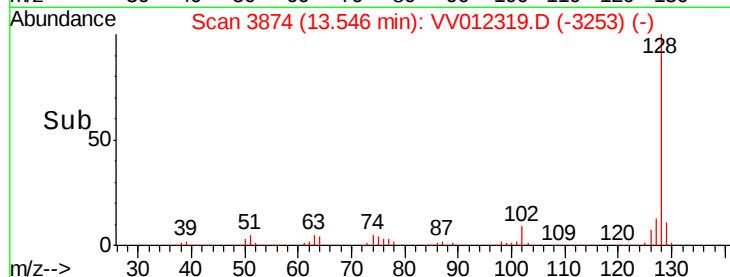
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 221.405 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012319.D

Acq: 21 Aug 2019 17:29

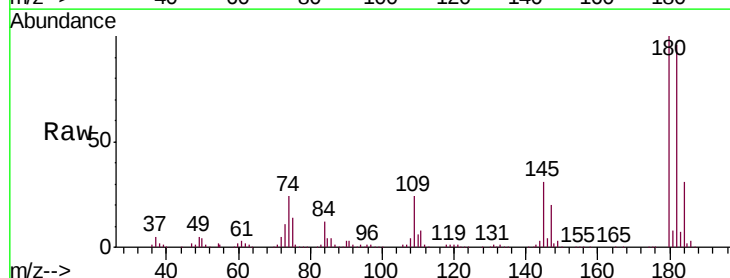
Tgt Ion:180 Resp: 581197

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 30.9 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

