

Data File : VV012786.D
Acq On : 14 Sep 2019 23:26
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Quant Time: Sep 16 05:02:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 04:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	695067	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	671772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	317423	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	150518	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.42%
7) Chloroethane-d5	1.58	69	155152	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.02%
11) 1,1-Dichloroethene-d2	2.13	63	337296	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
21) 2-Butanone-d5	3.92	46	448532	109.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	4.40	84	488070	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.08	65	302785	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
32) Benzene-d6	5.10	84	875900	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
36) 1,2-Dichloropropane-d6	6.12	67	315063	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.62%
41) Toluene-d8	7.36	98	804654	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%
43) trans-1,3-Dichloropropene-	7.66	79	126297	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.84%
47) 2-Hexanone-d5	8.13	63	272952	112.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.47%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	428486	52.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.90%
64) 1,2-Dichlorobenzene-d4	11.67	152	361742	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	226897	48.759	ug/L	99
3) Chloromethane	1.25	50	240742	49.579	ug/L	99
5) Vinyl chloride	1.32	62	242446	49.937	ug/L	98
6) Bromomethane	1.52	94	140863	51.585	ug/L	100
8) Chloroethane	1.60	64	158092	52.128	ug/L	100
9) Trichlorofluoromethane	1.77	101	341664	50.152	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	208988	49.692	ug/L	99
12) 1,1-Dichloroethene	2.14	96	188425	51.428	ug/L	97
13) Acetone	2.18	43	244426	72.486	ug/L	99
14) Carbon disulfide	2.32	76	383317	47.941	ug/L	99
15) Methyl Acetate	2.45	43	284610	53.172	ug/L	100
16) Methylene chloride	2.53	84	249472	51.894	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	199550	49.827	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	732303	53.011	ug/L	100
19) 1,1-Dichloroethane	3.23	63	450190	52.004	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	256765	51.817	ug/L	99
22) 2-Butanone	4.01	43	410463	97.973	ug/L	99

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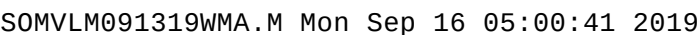
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

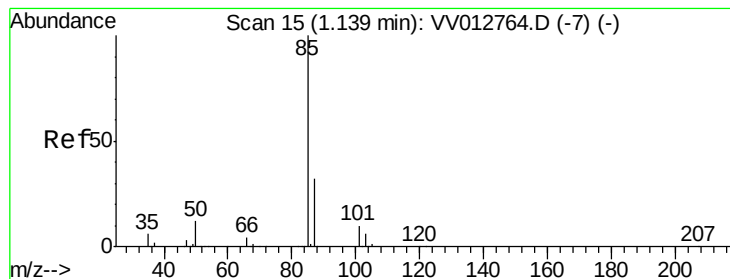
Quant Time: Sep 16 05:02:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 16 04:57:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	129070	51.270	ug/L	99
25) Chloroform	4.42	83	470113	51.692	ug/L	100
27) 1,2-Dichloroethane	5.18	62	353882	51.990	ug/L	99
29) Cyclohexane	4.73	56	324453	50.876	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	362860	51.657	ug/L	99
31) Carbon tetrachloride	4.87	117	306156	50.619	ug/L	100
33) Benzene	5.15	78	957853	52.420	ug/L	100
34) Trichloroethene	5.96	95	262629	49.444	ug/L	98
35) Methylcyclohexane	6.18	83	327070	48.812	ug/L	99
37) 1,2-Dichloropropane	6.22	63	272122	51.785	ug/L	100
38) Bromodichloromethane	6.55	83	349461	51.664	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	366215	49.777	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	789529	108.564	ug/L	99
42) Toluene	7.43	91	1005282	52.977	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	319097	49.195	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	269335	52.532	ug/L	98
46) Tetrachloroethene	8.02	164	181079	49.148	ug/L	98
48) 2-Hexanone	8.18	43	640375	108.529	ug/L	100
49) Dibromochloromethane	8.29	129	282676	52.621	ug/L	99
50) 1,2-Dibromoethane	8.39	107	252999	51.223	ug/L	98
51) Chlorobenzene	8.92	112	662163	50.932	ug/L	99
52) Ethylbenzene	9.05	91	1096884	52.581	ug/L	99
53) m,p-Xylene	9.18	106	407352	53.023	ug/L	97
54) o-xylene	9.59	106	420178	53.875	ug/L	99
55) Styrene	9.60	104	722479	54.616	ug/L	99
56) Isopropylbenzene	9.97	105	1104371	53.893	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	374244	53.458	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	350697	52.433	ug/L	99
61) Bromoform	9.77	173	200806	52.389	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	507718	51.785	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	507904	50.502	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	532979	51.701	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	72354	52.575	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	359526	49.636	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	298160	48.719	ug/L	99
69) Naphthalene	13.55	128	872288	49.304	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	334897	50.410	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 48.759 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

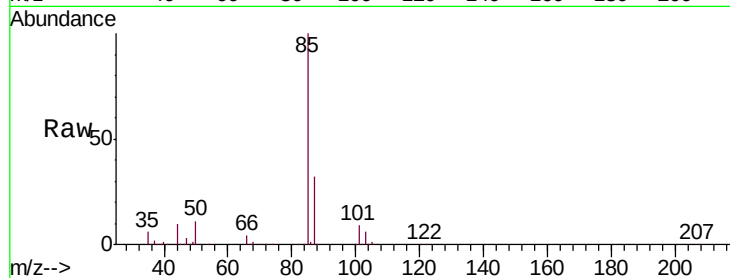
VSTD05071

Tgt Ion: 85 Resp: 226897

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV012764.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012764.D (-7) (-)

1.14

250000

200000

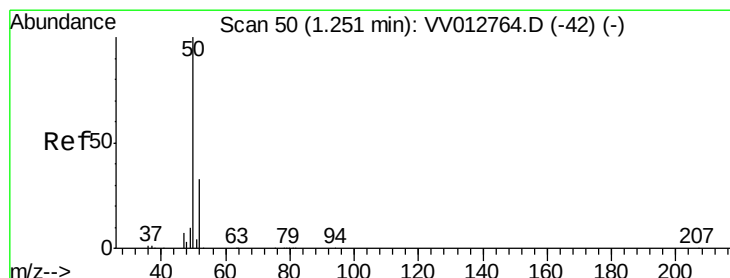
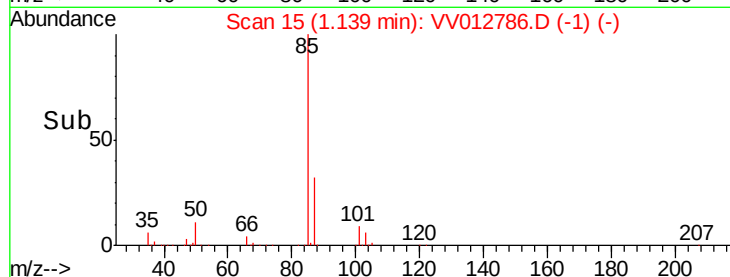
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.579 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012786.D

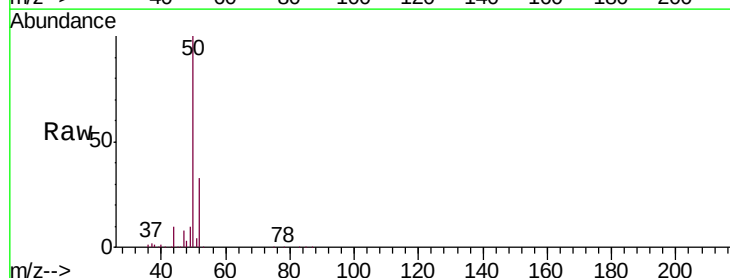
Acq: 14 Sep 2019 23:26

Tgt Ion: 50 Resp: 240742

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV012764.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV012764.D (-42) (-)

1.25

250000

200000

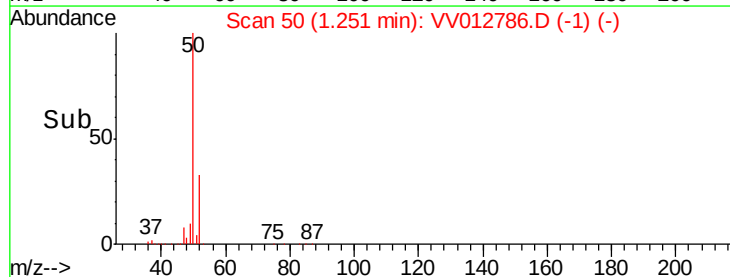
150000

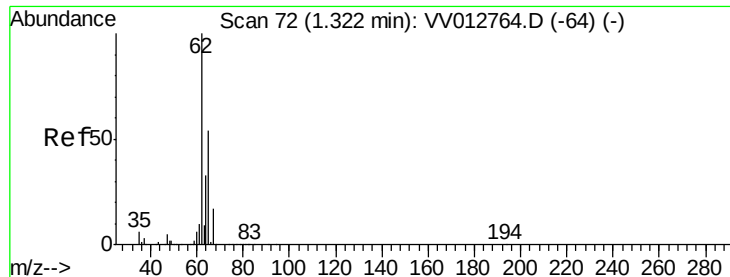
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.937 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

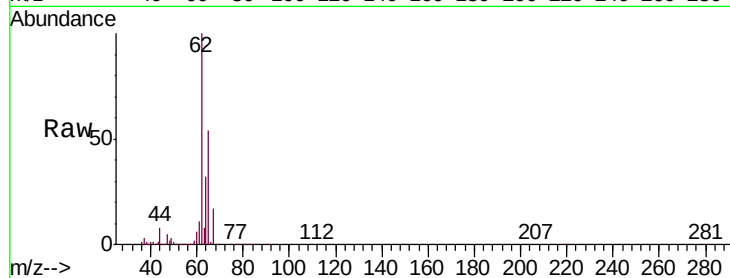
VSTD05071

Tgt Ion: 62 Resp: 242446

Ion Ratio Lower Upper

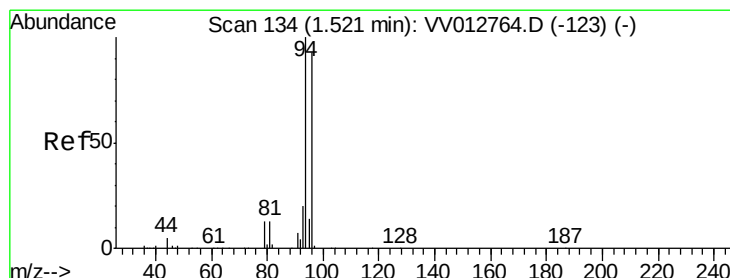
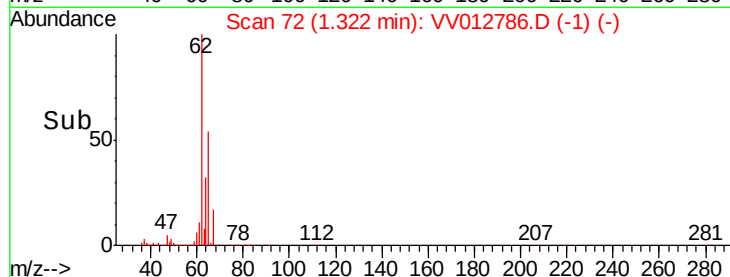
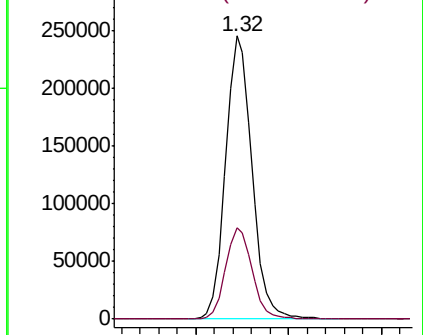
62 100

64 32.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.585 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV012786.D

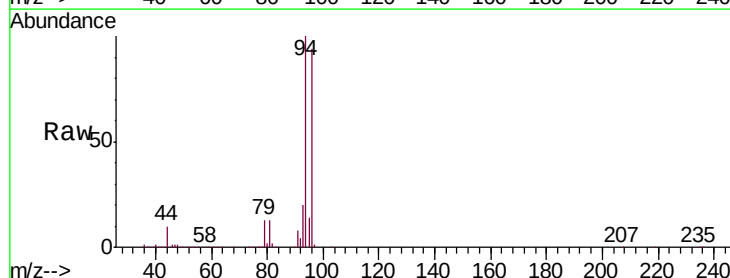
Acq: 14 Sep 2019 23:26

Tgt Ion: 94 Resp: 140863

Ion Ratio Lower Upper

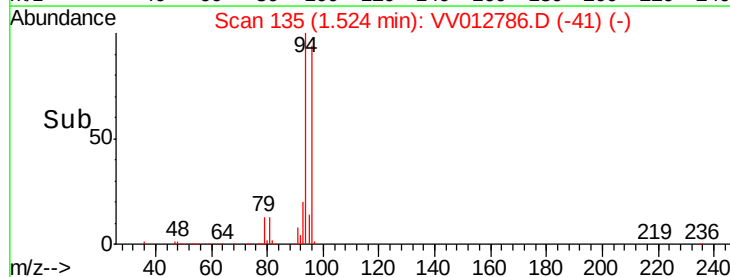
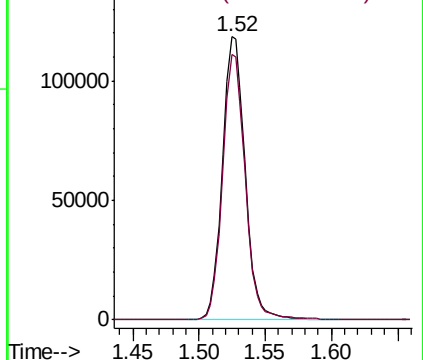
94 100

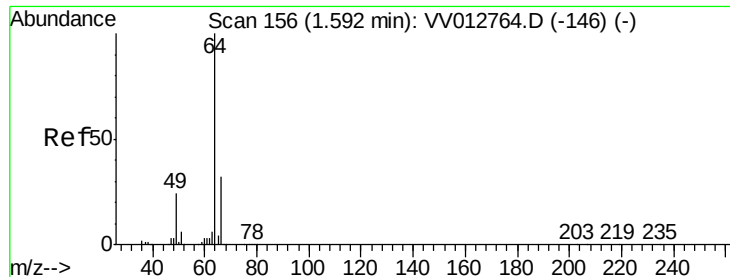
96 93.7 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 52.128 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

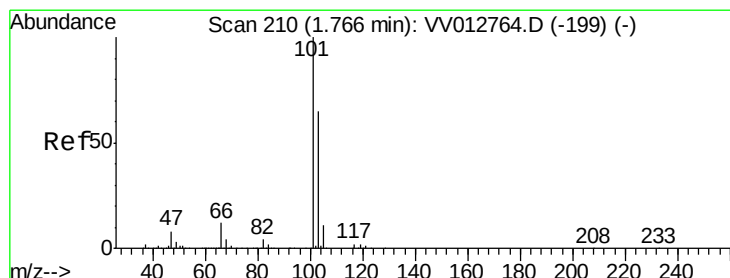
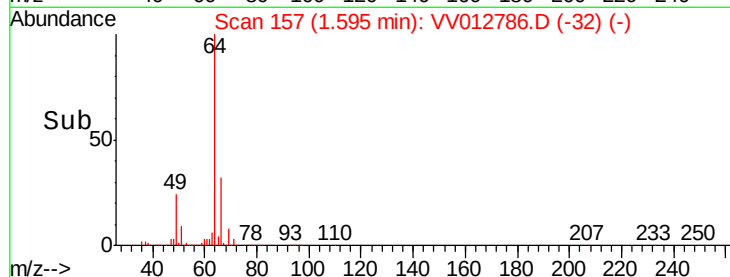
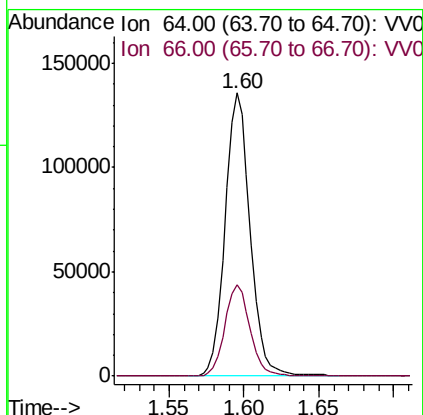
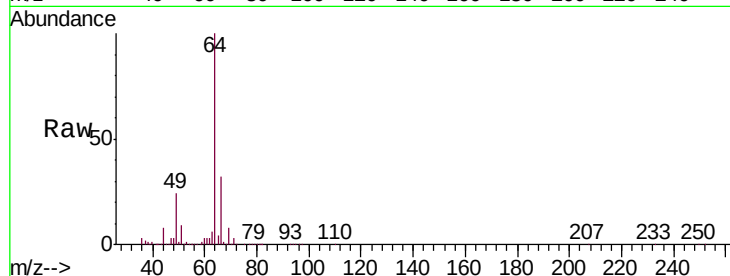
VSTD05071

Tgt Ion: 64 Resp: 158092

Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6



#9

Trichlorofluoromethane

Concen: 50.152 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012786.D

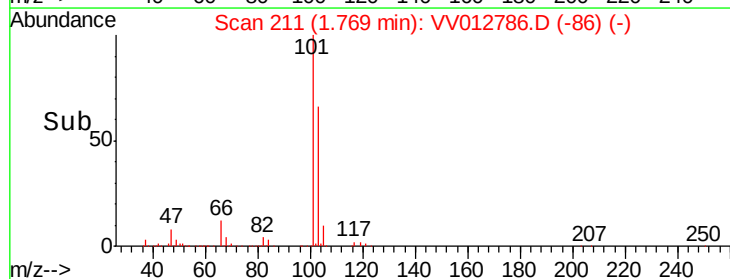
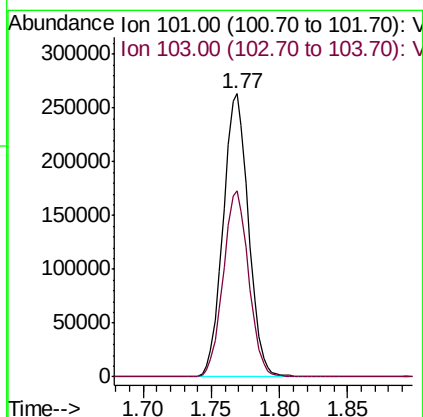
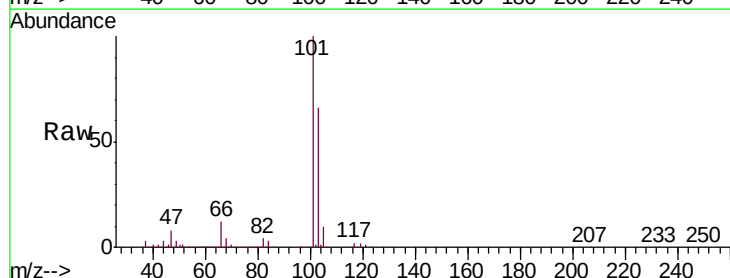
Acq: 14 Sep 2019 23:26

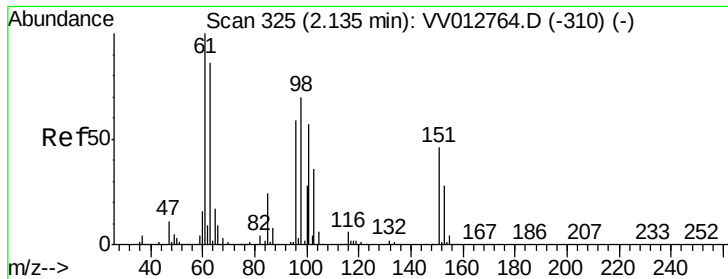
Tgt Ion: 101 Resp: 341664

Ion Ratio Lower Upper

101 100

103 65.7 51.4 77.2





#10

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

Concen: 49.692 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

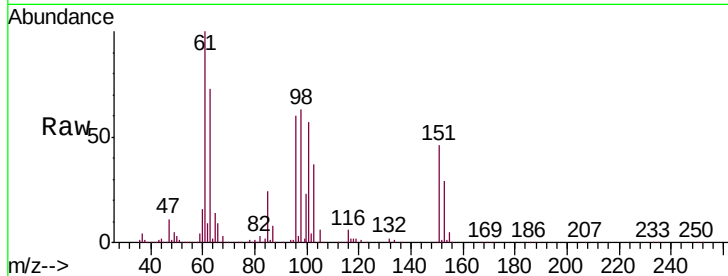
Tgt Ion:101 Resp: 208988

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

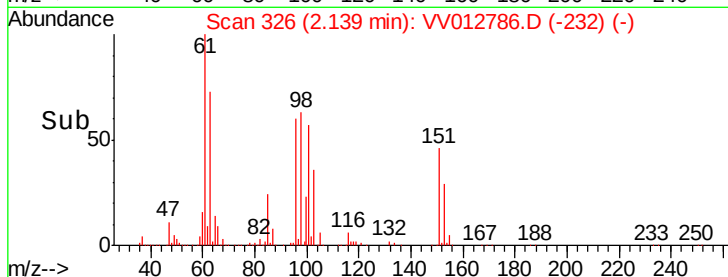
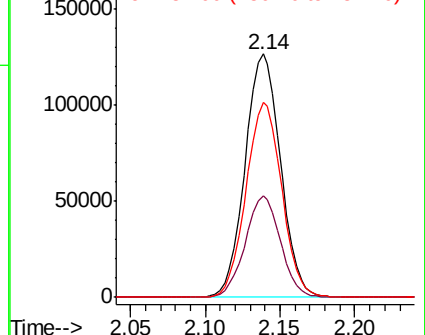
151 80.7 65.0 97.4



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: 51.428 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

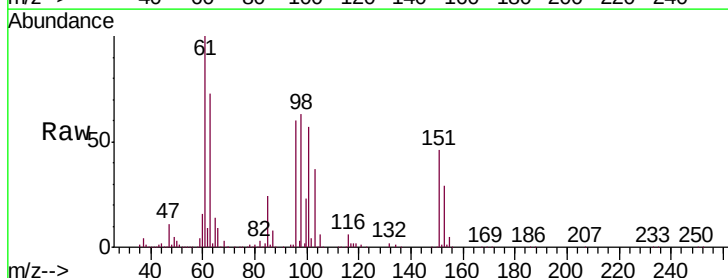
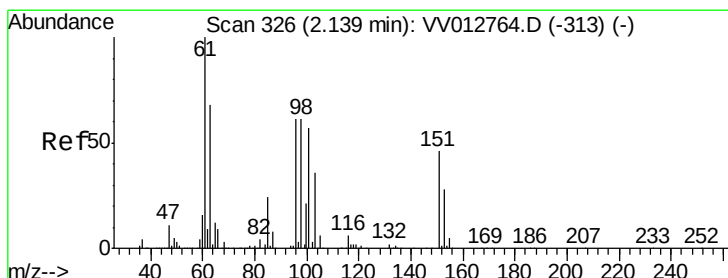
Tgt Ion: 96 Resp: 188425

Ion Ratio Lower Upper

96 100

61 166.6 118.0 219.2

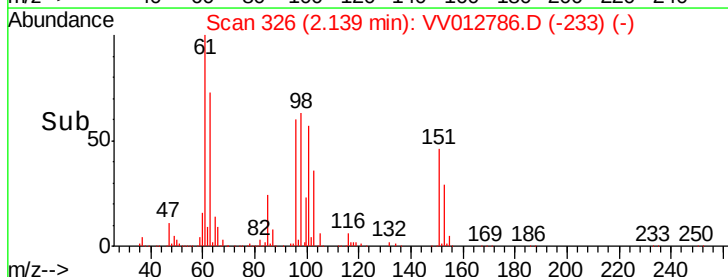
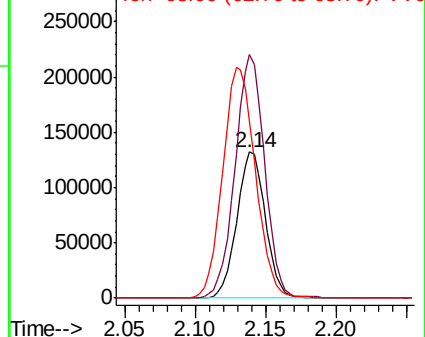
63 121.4 89.2 165.6

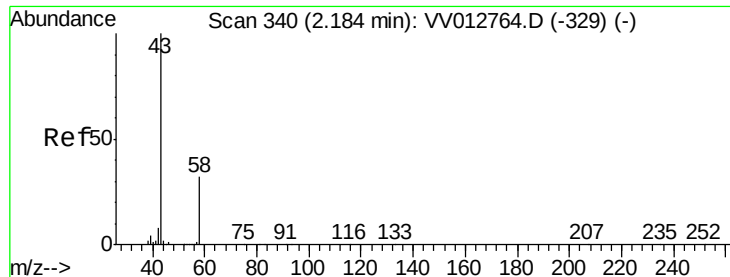


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 72.486 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

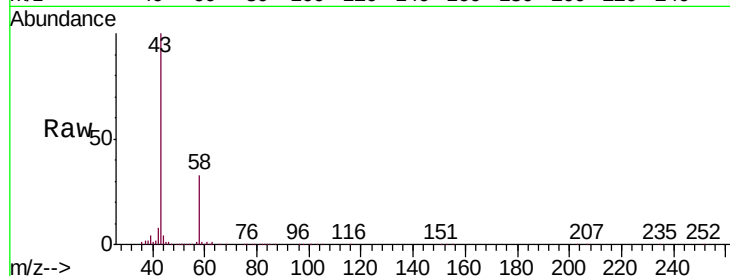
VSTD05071

Tgt Ion: 43 Resp: 244426

Ion Ratio Lower Upper

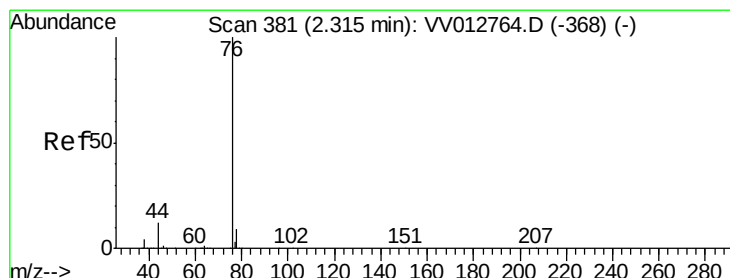
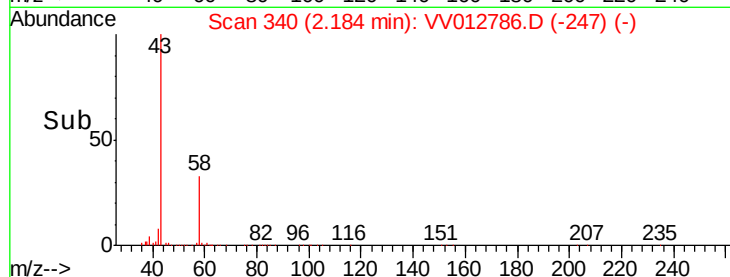
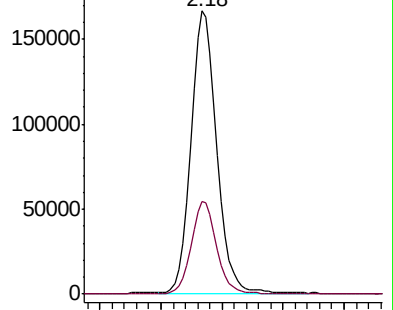
43 100

58 32.4 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV012786.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV012786.D (-247) (-)



#14

Carbon disulfide

Concen: 47.941 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012786.D

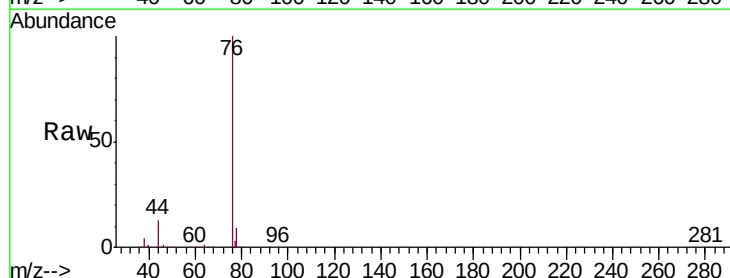
Acq: 14 Sep 2019 23:26

Tgt Ion: 76 Resp: 383317

Ion Ratio Lower Upper

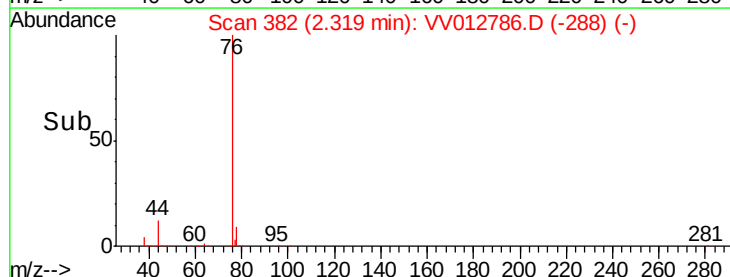
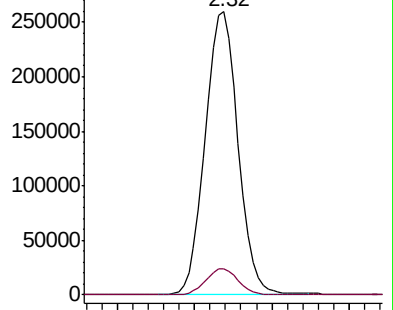
76 100

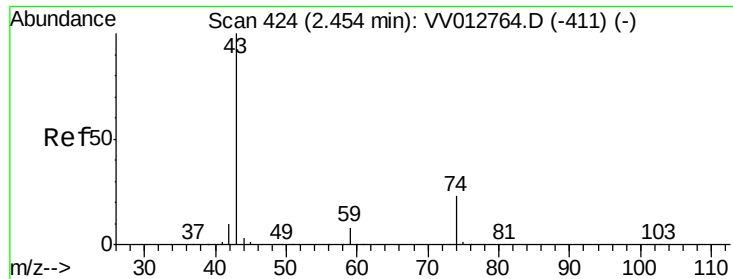
78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV012786.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV012786.D (-288) (-)

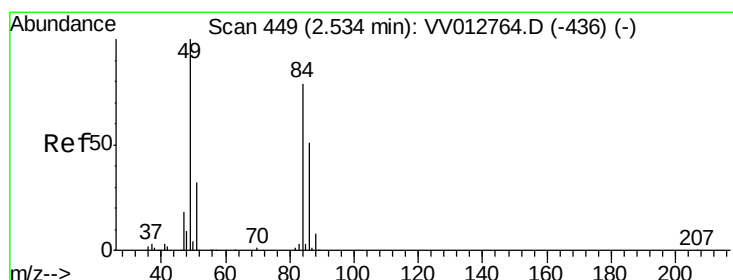
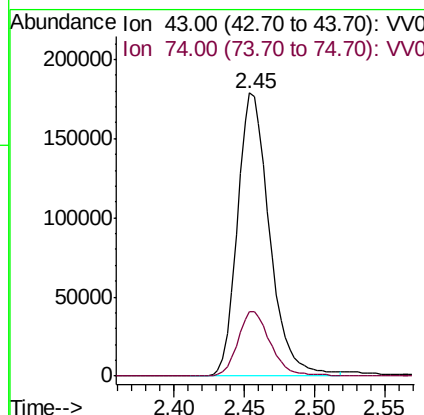
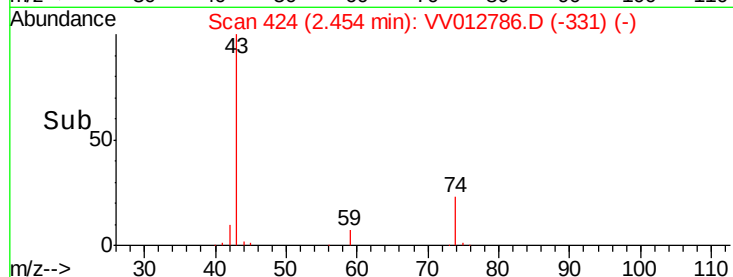
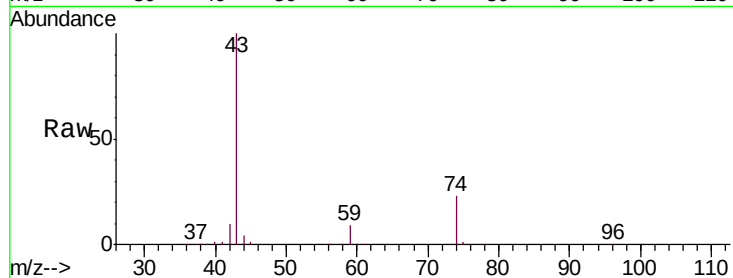




#15
Methyl Acetate
Concen: 53.172 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

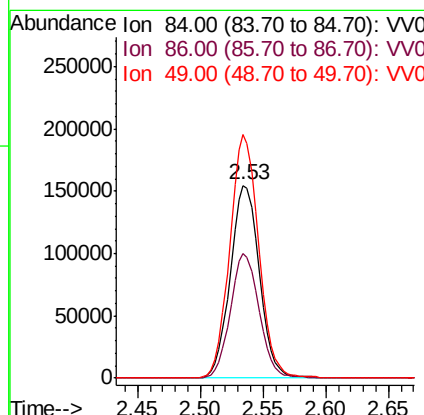
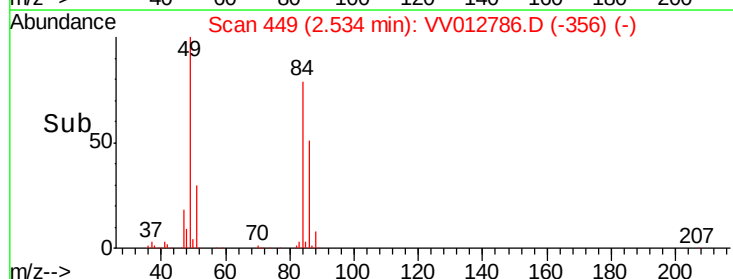
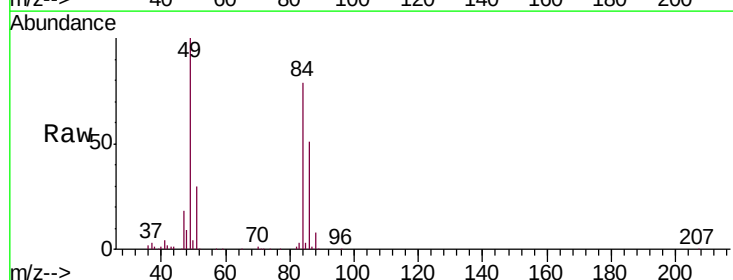
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

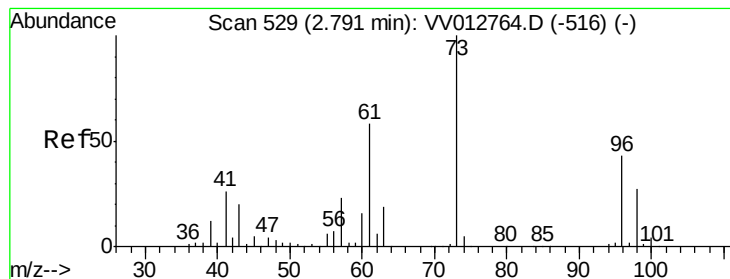
Tgt Ion: 43 Resp: 284610
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8



#16
Methylene chloride
Concen: 51.894 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

Tgt Ion: 84 Resp: 249472
Ion Ratio Lower Upper
84 100
86 64.9 44.0 81.8
49 126.4 86.2 160.0





#17

trans-1,2-Dichloroethene

Concen: 49.827 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampled :

VSTD05071

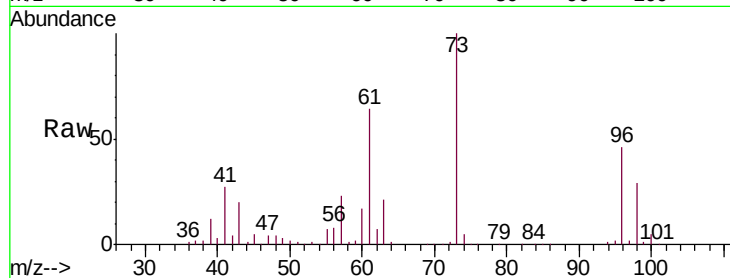
Tgt Ion: 96 Resp: 199550

Ion Ratio Lower Upper

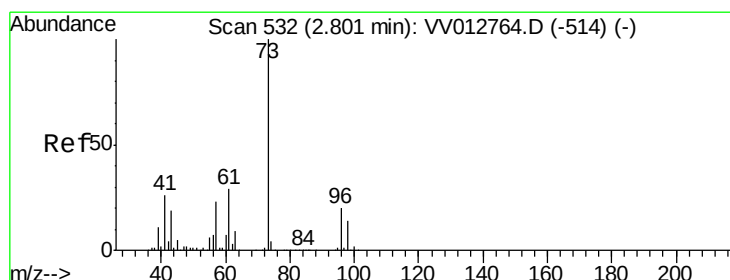
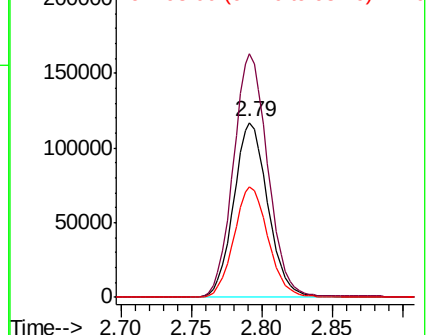
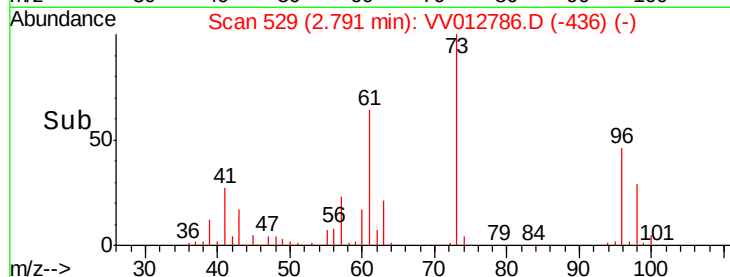
96 100

61 139.4 98.3 182.5

98 63.4 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VV012786.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 53.011 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

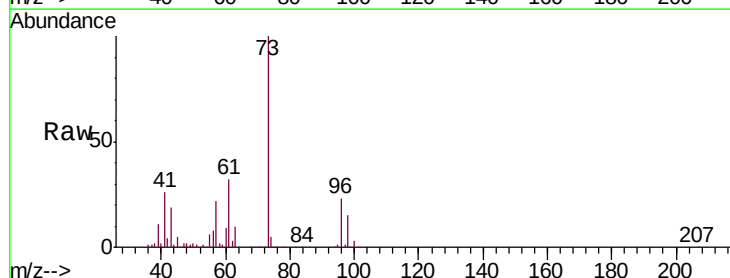
Tgt Ion: 73 Resp: 732303

Ion Ratio Lower Upper

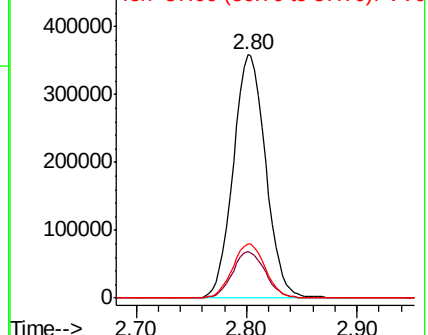
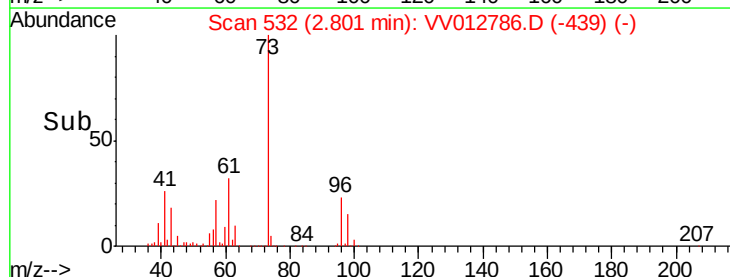
73 100

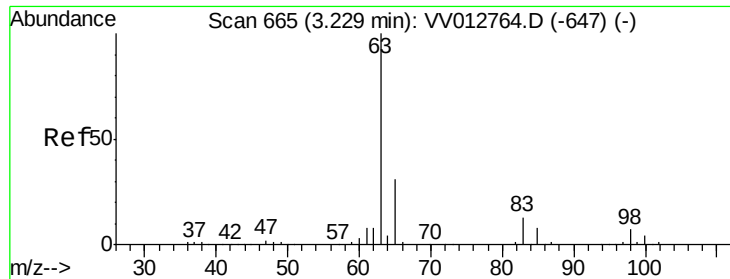
43 19.2 15.4 23.2

57 22.7 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VV012786.D (-439) (-)

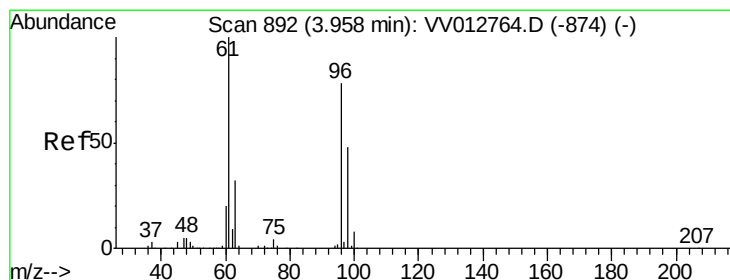
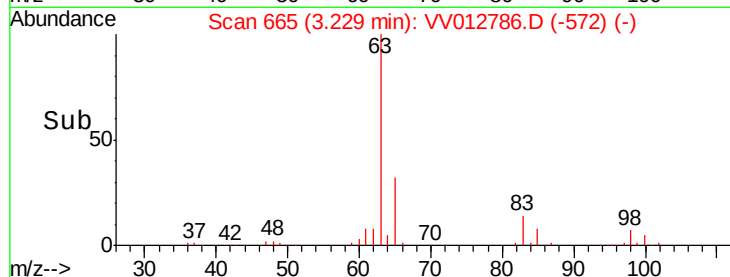
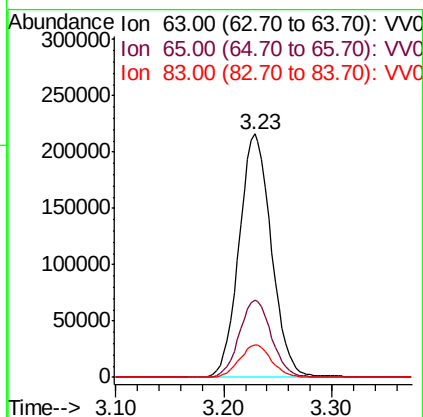
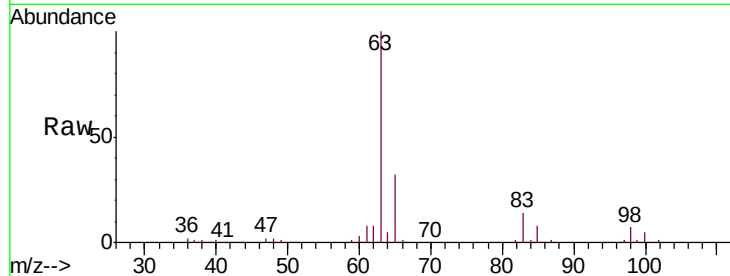




#19
 1,1-Dichloroethane
 Concen: 52.004 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

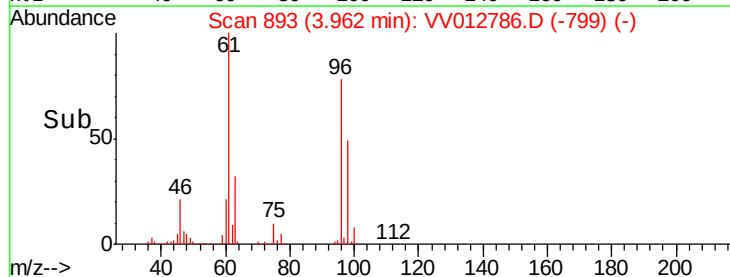
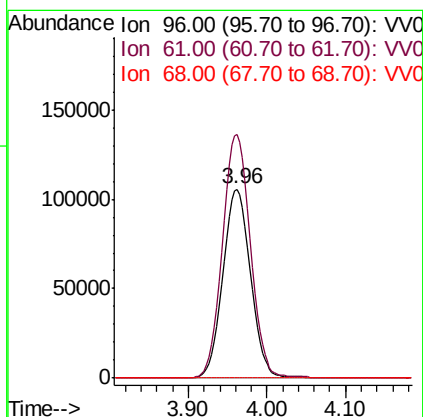
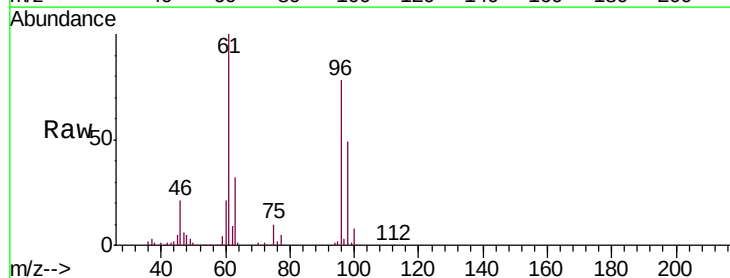
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05071

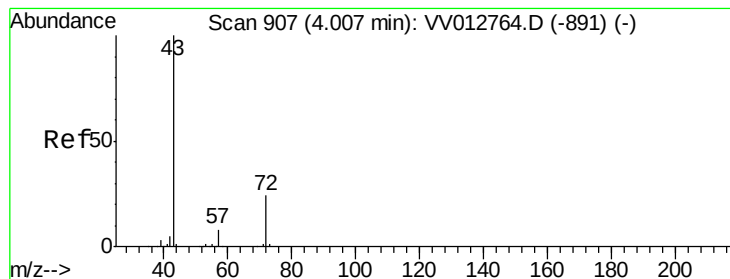
Tgt Ion: 63 Resp: 450190
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 13.5 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 51.817 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion: 96 Resp: 256765
 Ion Ratio Lower Upper
 96 100
 61 128.7 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.973 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampled :

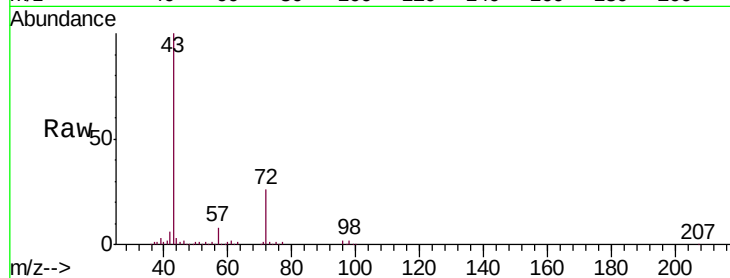
VSTD05071

Tgt Ion: 43 Resp: 410463

Ion Ratio Lower Upper

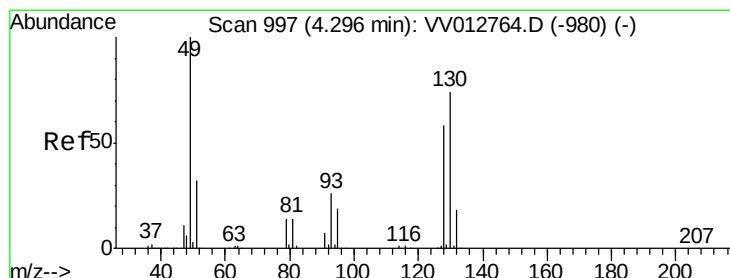
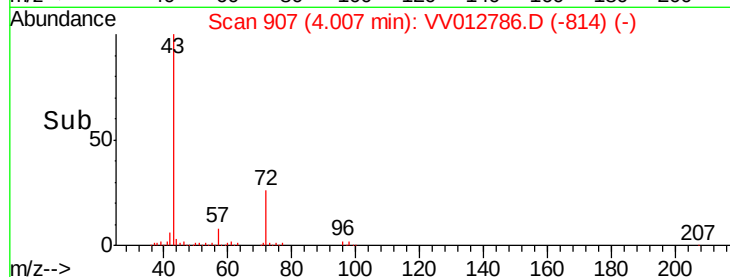
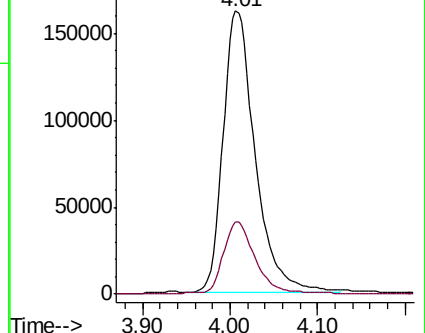
43 100

72 26.1 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VV012786.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VV012786.D (-814) (-)



#23

Bromochloromethane

Concen: 51.270 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Tgt Ion: 128 Resp: 129070

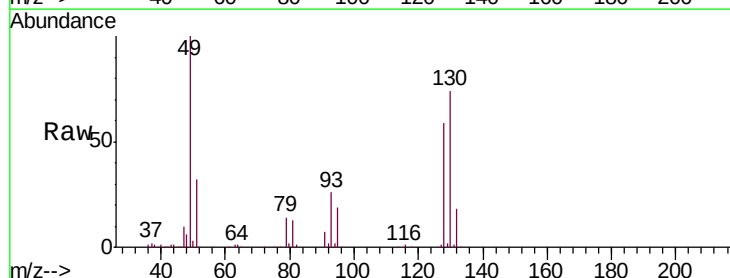
Ion Ratio Lower Upper

128 100

49 168.2 117.2 217.8

130 124.1 86.7 160.9

51 53.8 42.3 63.5

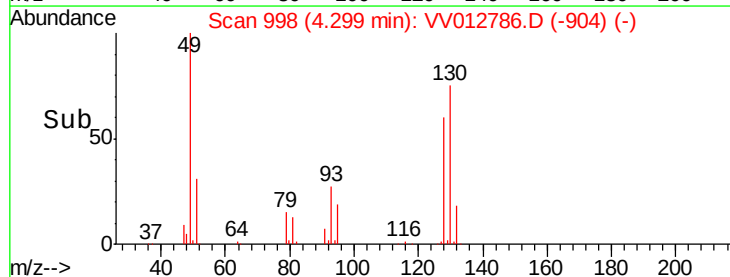
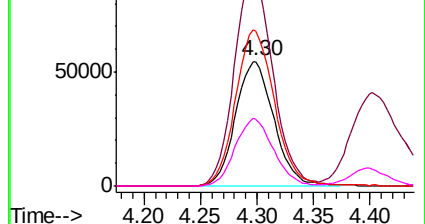


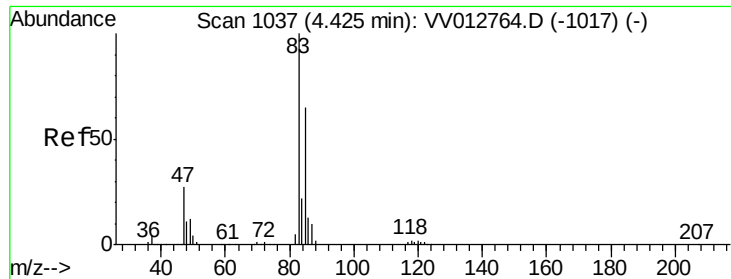
Abundance Ion 128.00 (127.70 to 128.70): VV012786.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV012786.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV012786.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV012786.D (-904) (-)

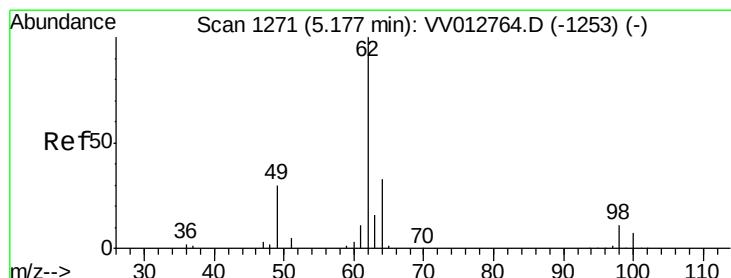
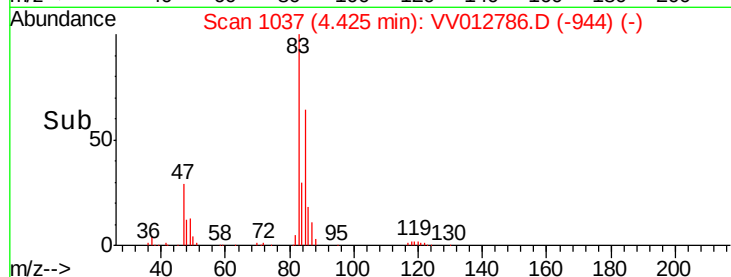
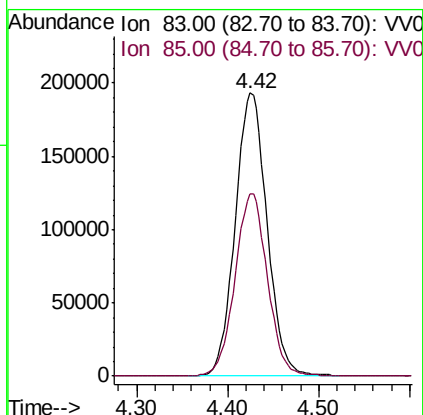
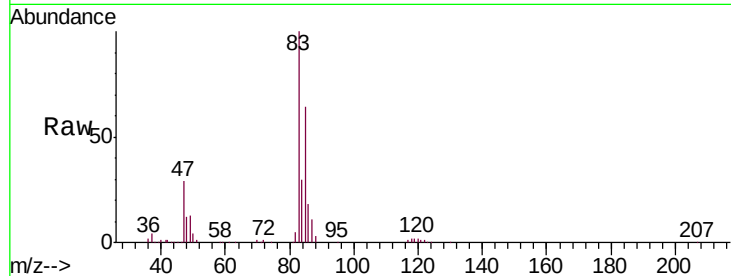




#25
Chloroform
Concen: 51.692 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

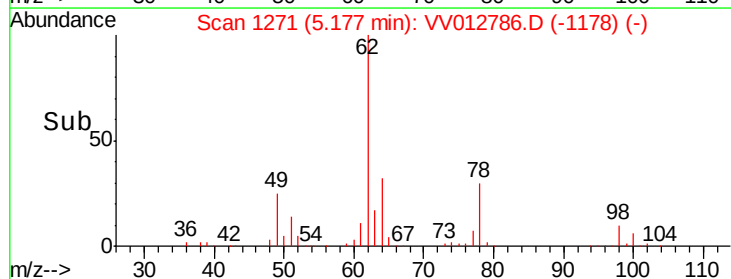
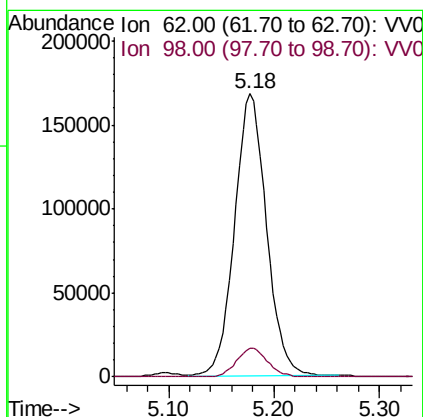
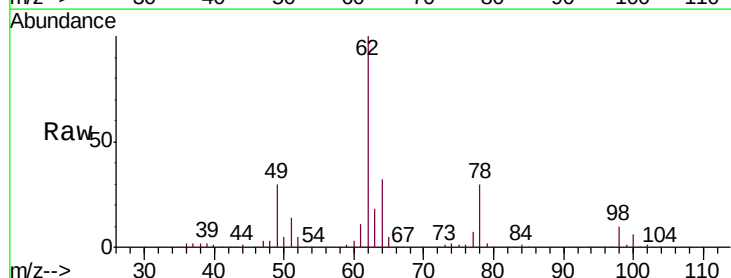
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

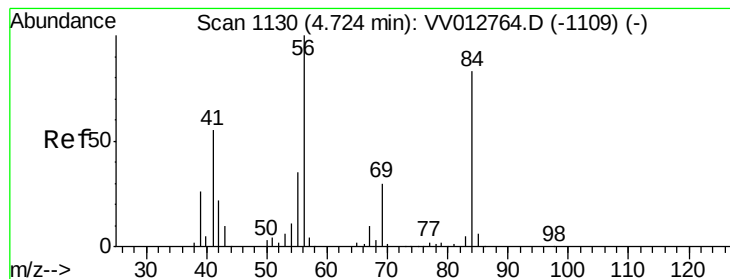
Tgt Ion: 83 Resp: 470113
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.990 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

Tgt Ion: 62 Resp: 353882
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5





#29

Cyclohexane

Concen: 50.876 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

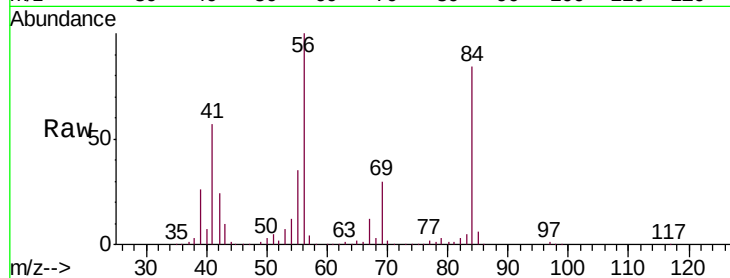
Tgt Ion: 56 Resp: 324453

Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.2

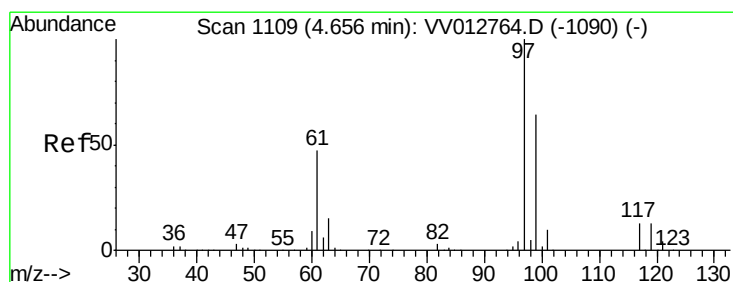
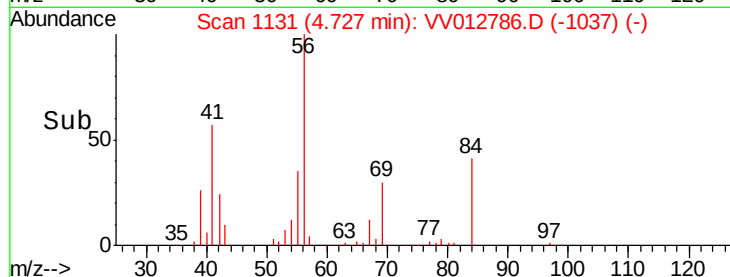
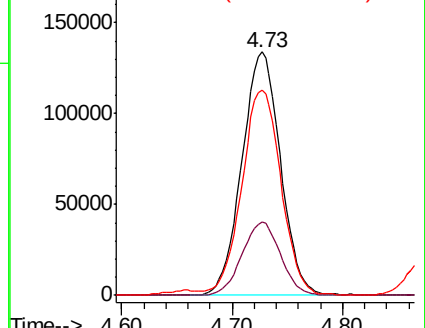
84 85.6 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VV012786.D (-1037) (-)

Ion 69.00 (68.70 to 69.70): VV012786.D (-1037) (-)

Ion 84.00 (83.70 to 84.70): VV012786.D (-1037) (-)



#30

1,1,1-Trichloroethane

Concen: 51.657 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

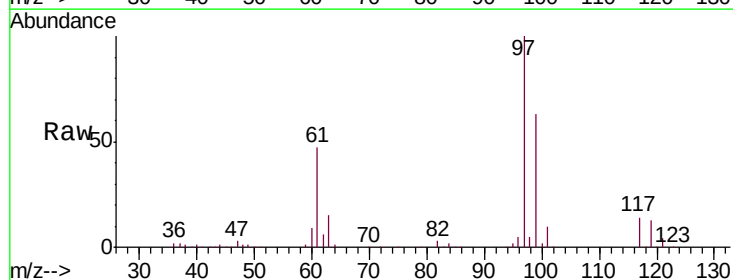
Tgt Ion: 97 Resp: 362860

Ion Ratio Lower Upper

97 100

99 64.2 50.6 75.8

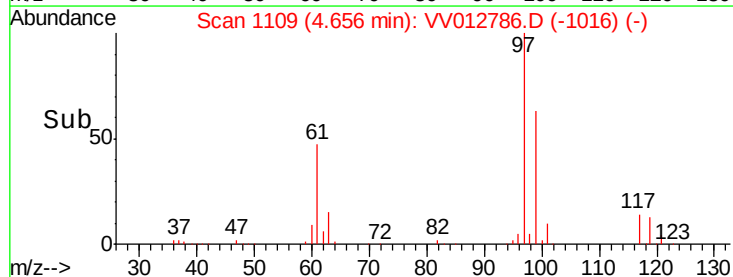
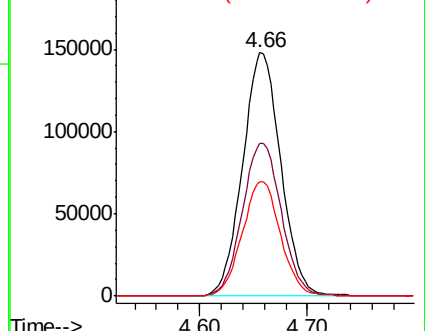
61 47.4 37.8 56.8

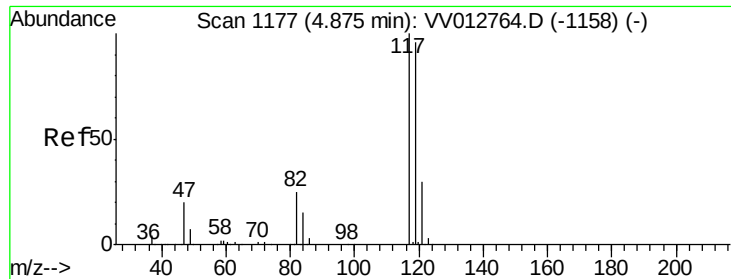


Abundance Ion 97.00 (96.70 to 97.70): VV012786.D (-1016) (-)

Ion 99.00 (98.70 to 99.70): VV012786.D (-1016) (-)

Ion 61.05 (60.75 to 61.75): VV012786.D (-1016) (-)

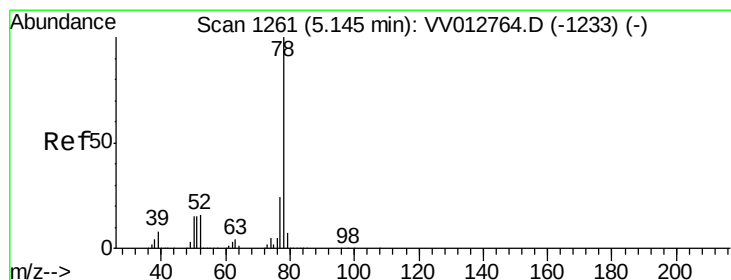
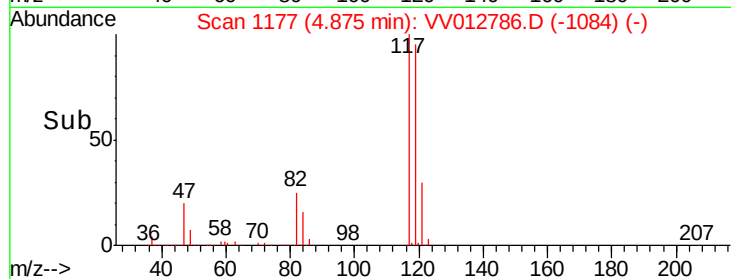
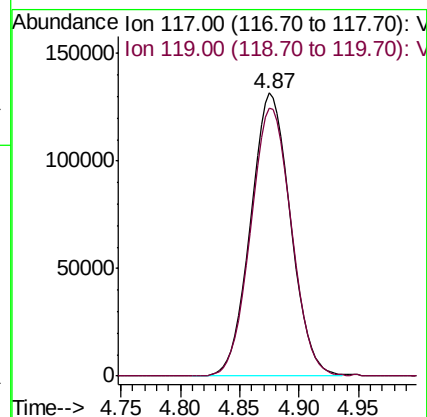
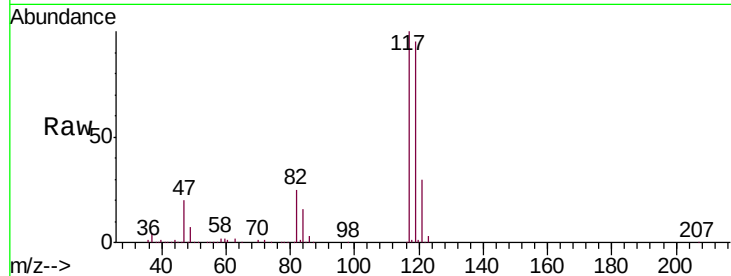




#31
Carbon tetrachloride
Concen: 50.619 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

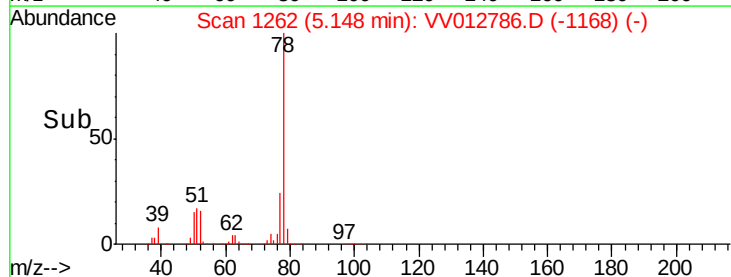
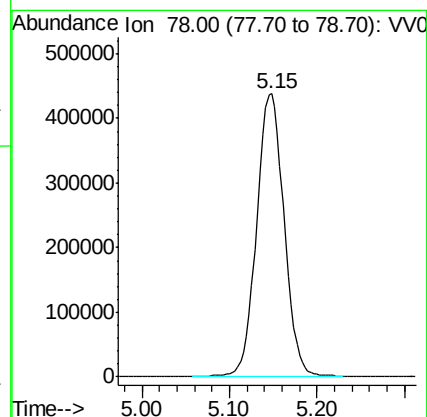
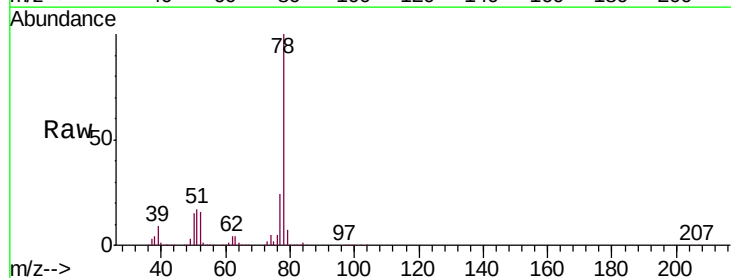
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

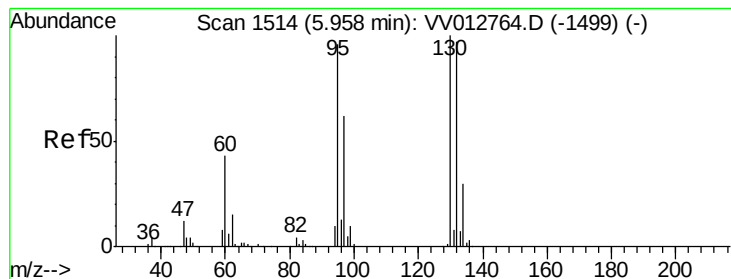
Tgt Ion:117 Resp: 306156
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 52.420 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

Tgt Ion: 78 Resp: 957853





#34

Trichloroethene

Concen: 49.444 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tgt Ion: 95 Resp: 262629

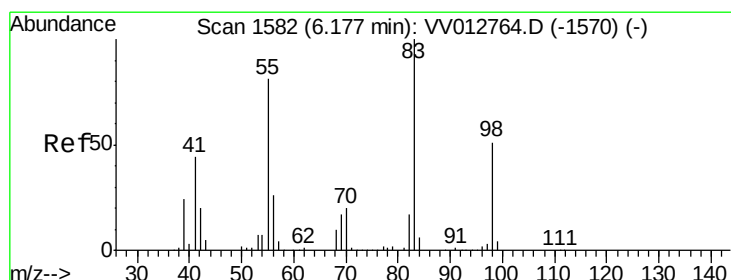
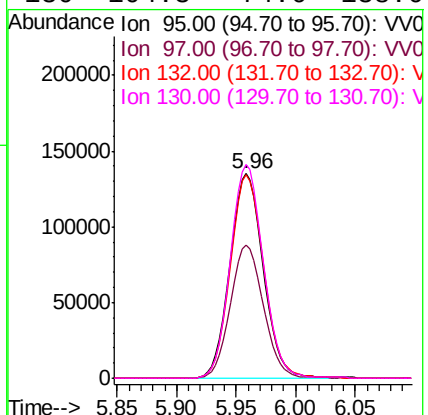
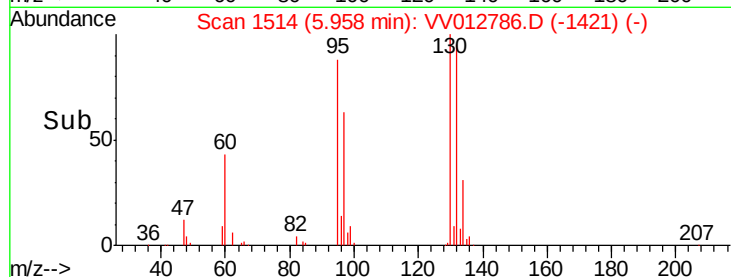
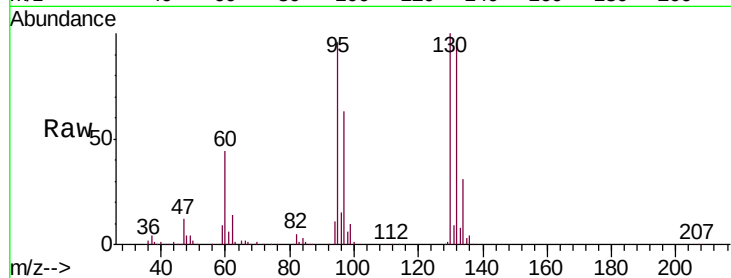
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.9

132 99.3 70.6 131.0

130 104.3 74.6 138.6



#35

Methylcyclohexane

Concen: 48.812 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

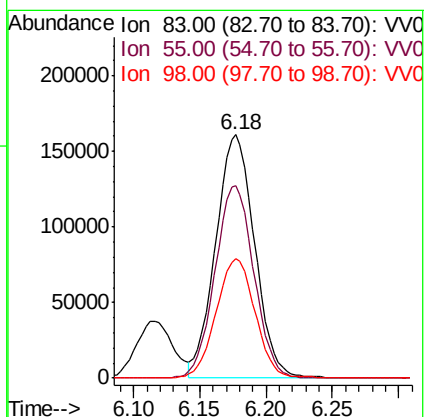
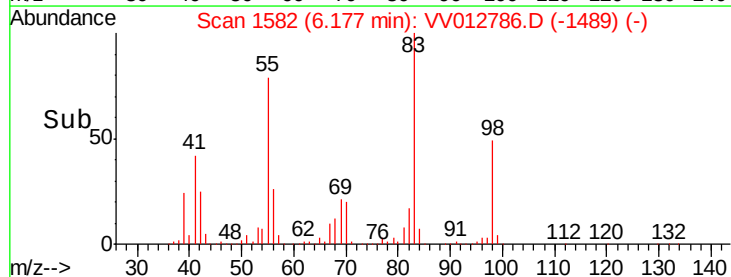
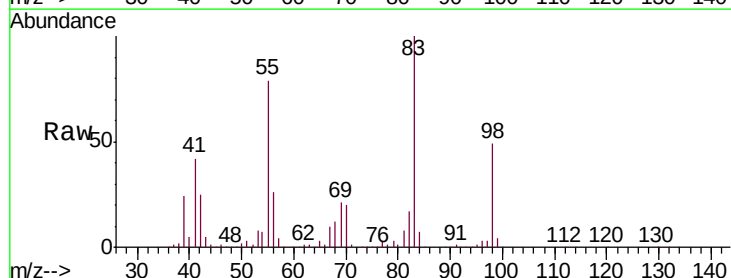
Tgt Ion: 83 Resp: 327070

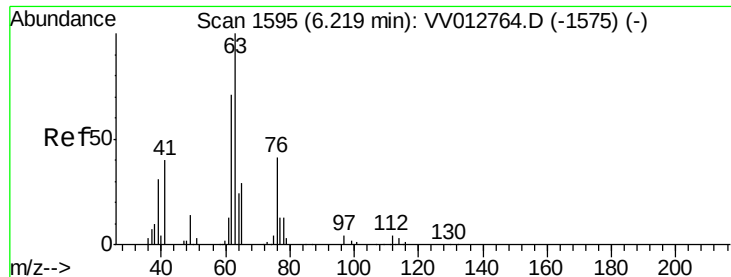
Ion Ratio Lower Upper

83 100

55 79.0 62.2 93.2

98 49.2 39.4 59.0

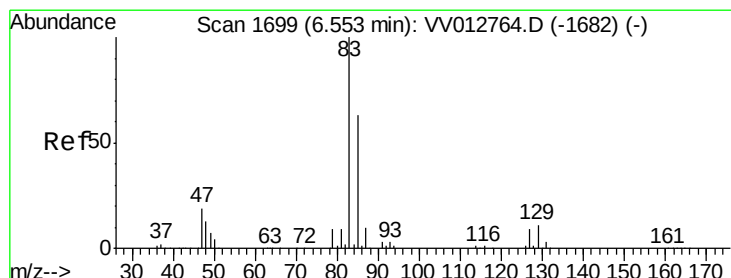
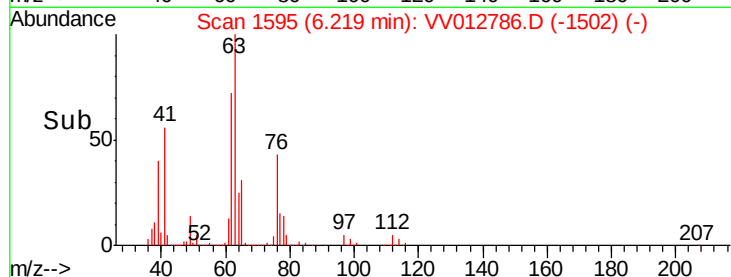
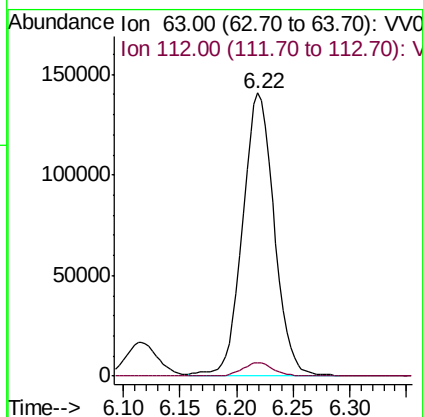
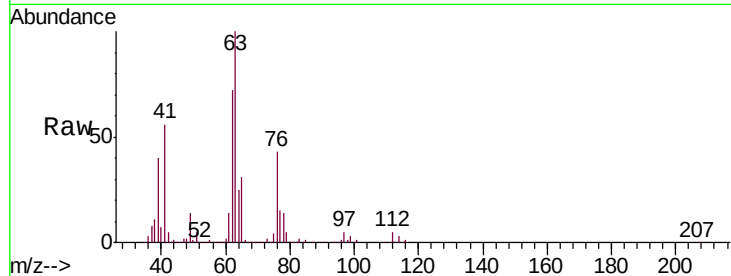




#37
 1,2-Dichloropropane
 Concen: 51.785 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

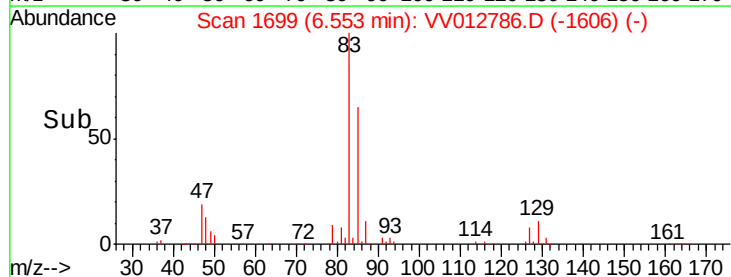
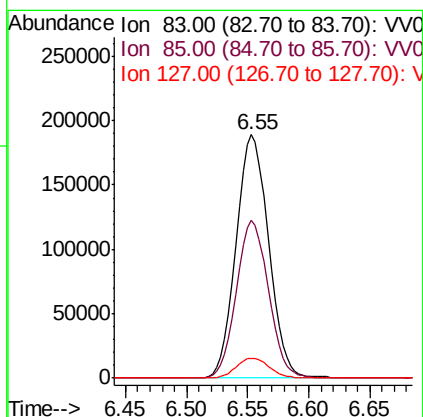
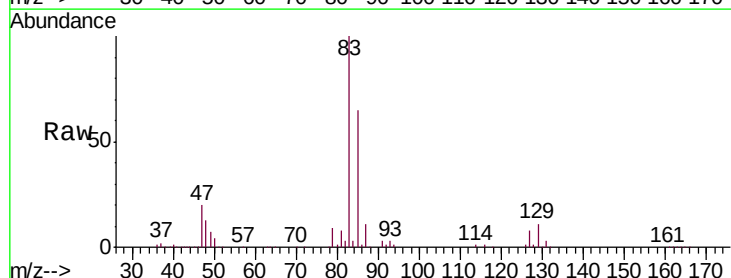
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

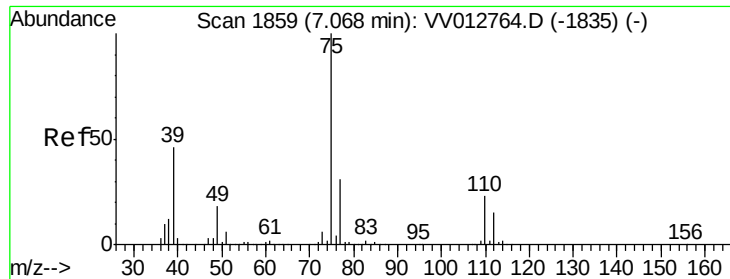
Tgt Ion: 63 Resp: 272122
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.664 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion: 83 Resp: 349461
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.4 82.5
 127 8.2 7.0 10.4

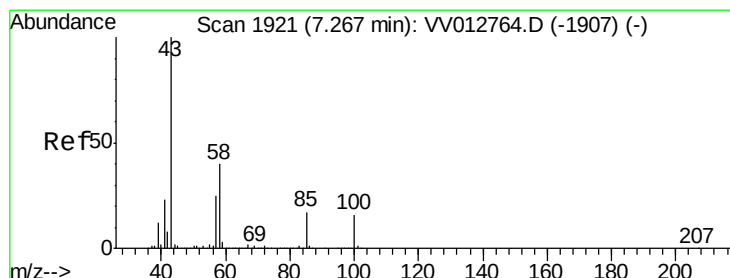
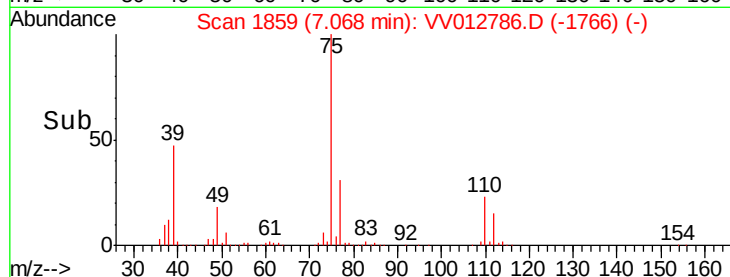
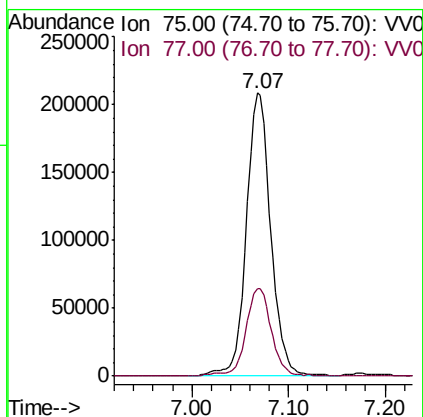
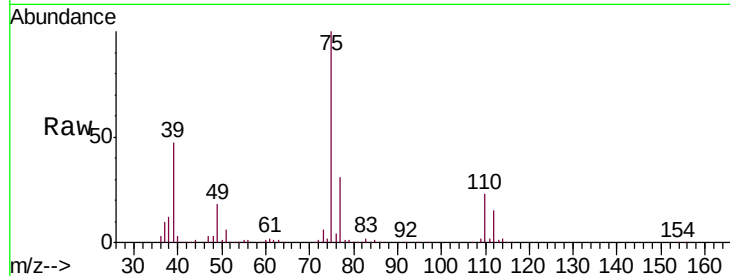




#39
 cis-1,3-Dichloropropene
 Concen: 49.777 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

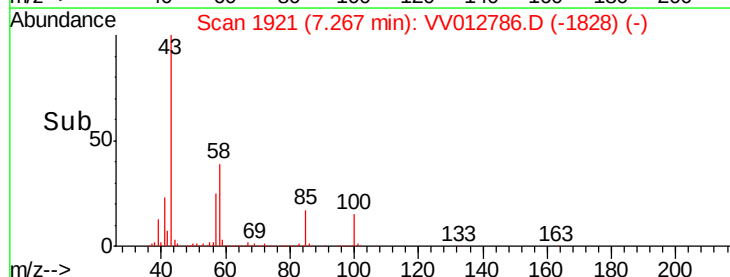
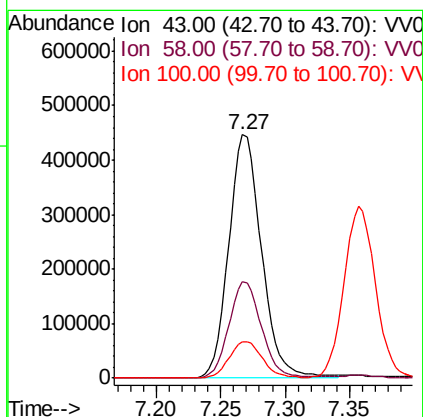
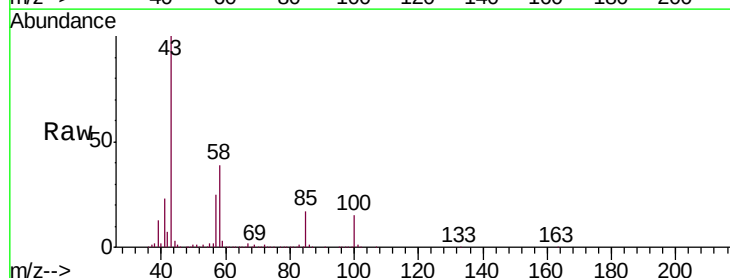
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

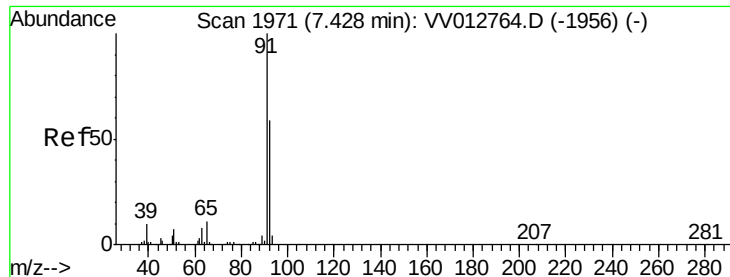
Tgt Ion: 75 Resp: 366215
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 108.564 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion: 43 Resp: 789529
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.3 46.9
 100 15.3 12.4 18.6





#42

Toluene

Concen: 52.977 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

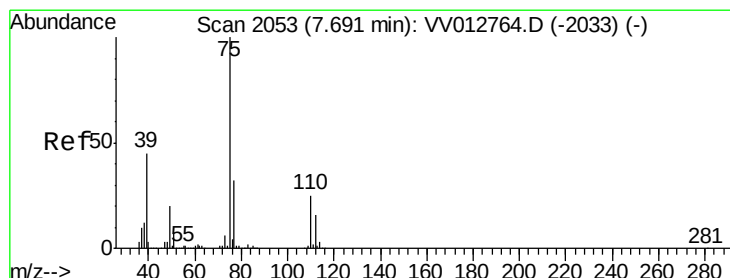
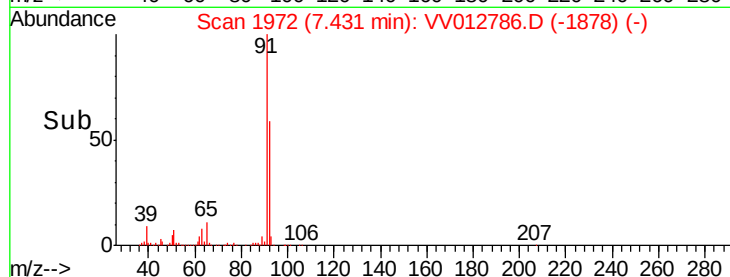
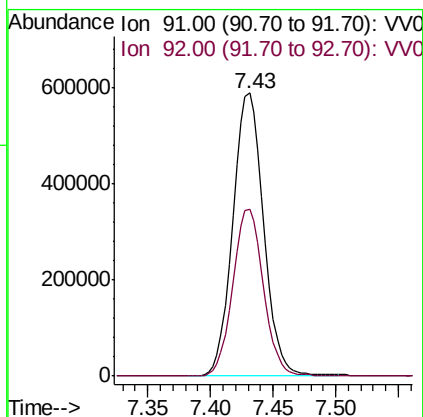
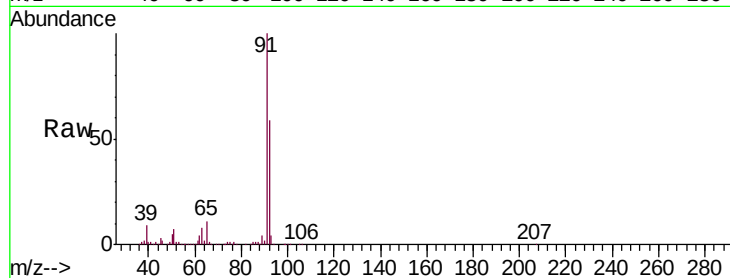
VSTD05071

Tgt Ion: 91 Resp: 1005282

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.195 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012786.D

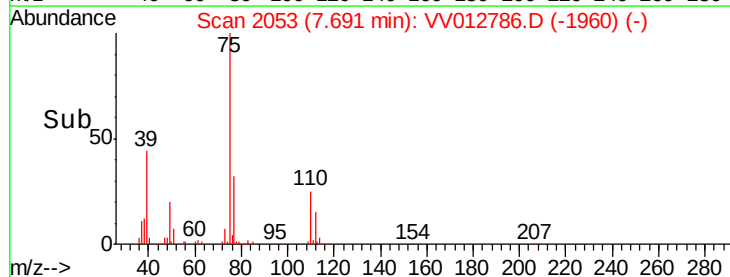
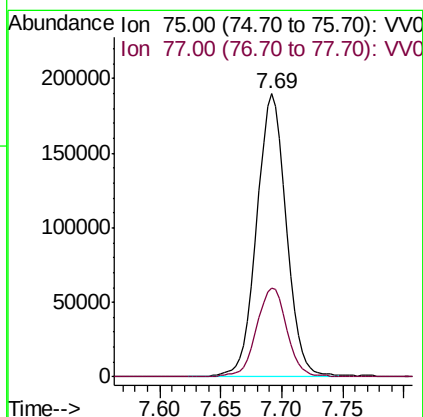
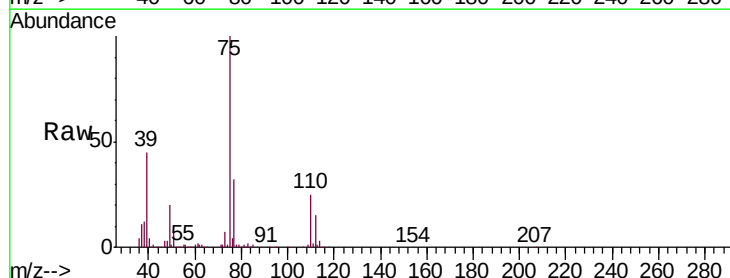
Acq: 14 Sep 2019 23:26

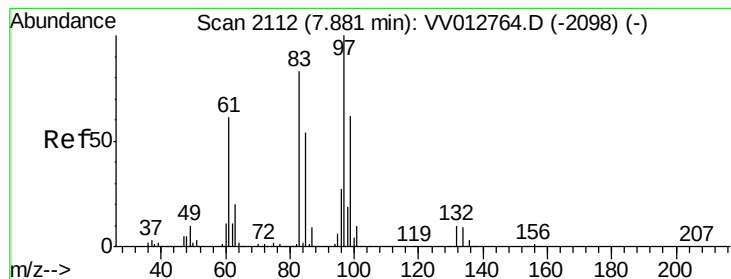
Tgt Ion: 75 Resp: 319097

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 52.532 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tgt Ion: 97 Resp: 269335

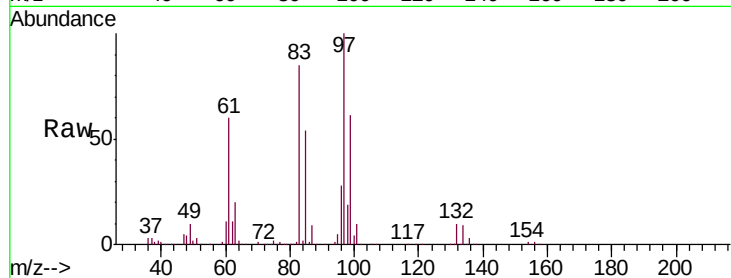
Ion Ratio Lower Upper

97 100

99 61.4 44.6 82.8

83 85.1 59.9 111.3

85 54.0 38.7 71.9



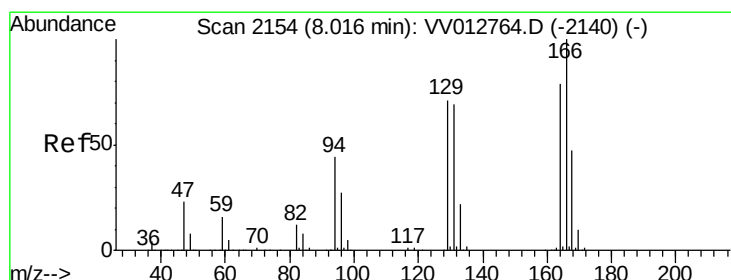
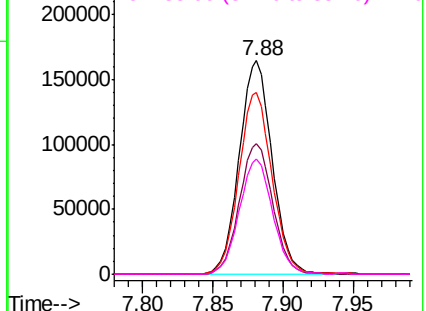
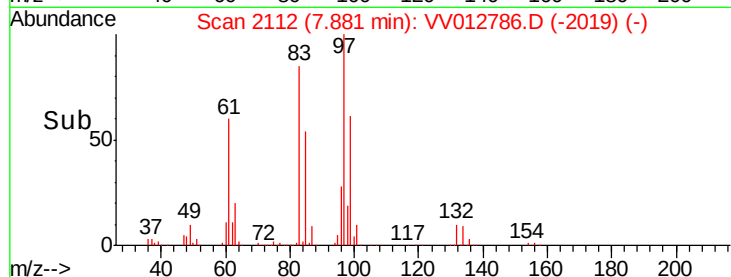
Abundance

Ion 97.00 (96.70 to 97.70): VV012786.D (-2019) (-)

Ion 99.00 (98.70 to 99.70): VV012786.D (-2019) (-)

Ion 83.00 (82.70 to 83.70): VV012786.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012786.D (-2019) (-)



#46

Tetrachloroethene

Concen: 49.148 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Tgt Ion: 164 Resp: 181079

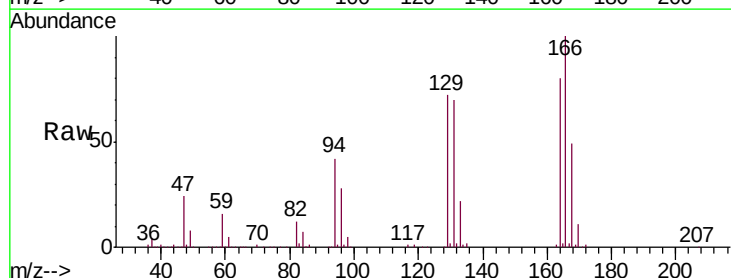
Ion Ratio Lower Upper

164 100

129 90.8 62.7 116.5

131 87.7 62.7 116.5

166 125.7 89.9 167.0



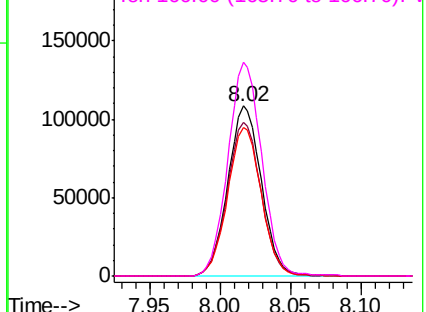
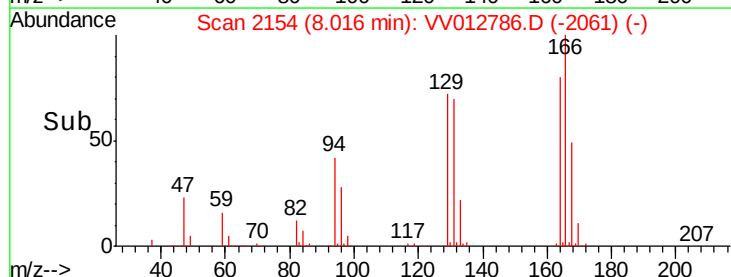
Abundance

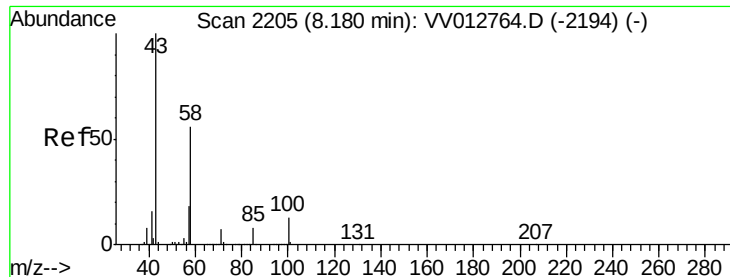
Ion 164.00 (163.70 to 164.70): VV012786.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV012786.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV012786.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV012786.D (-2061) (-)

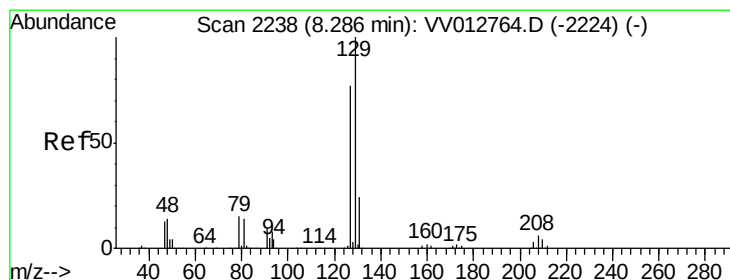
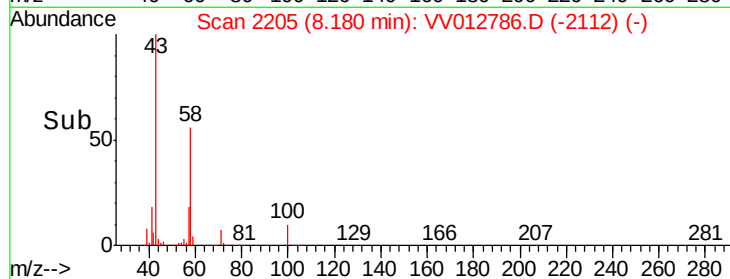
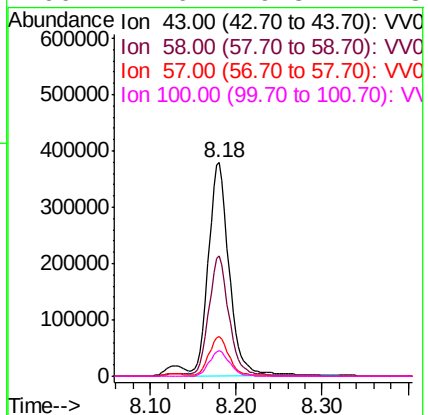
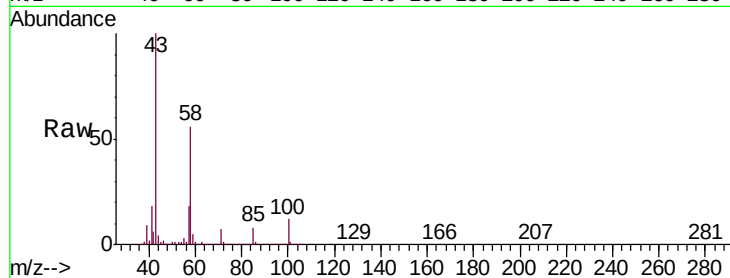




#48
2-Hexanone
Concen: 108.529 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

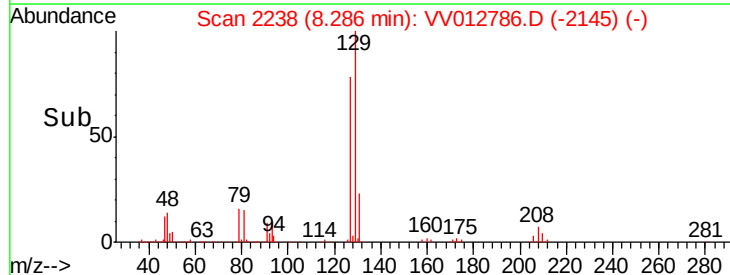
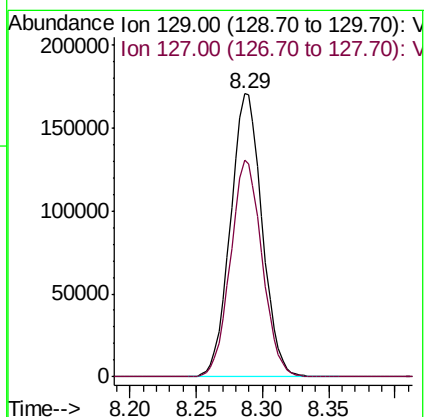
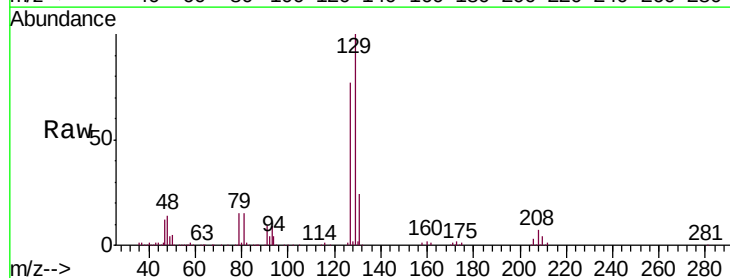
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

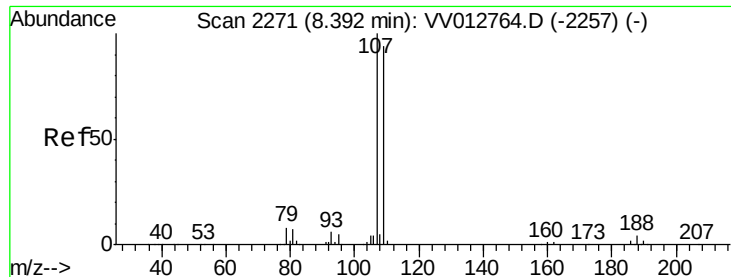
Tgt Ion: 43 Resp: 640375
Ion Ratio Lower Upper
43 100
58 54.8 43.8 65.8
57 18.1 14.3 21.5
100 11.6 9.8 14.8



#49
Dibromochloromethane
Concen: 52.621 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012786.D
Acq: 14 Sep 2019 23:26

Tgt Ion: 129 Resp: 282676
Ion Ratio Lower Upper
129 100
127 76.6 53.0 98.4

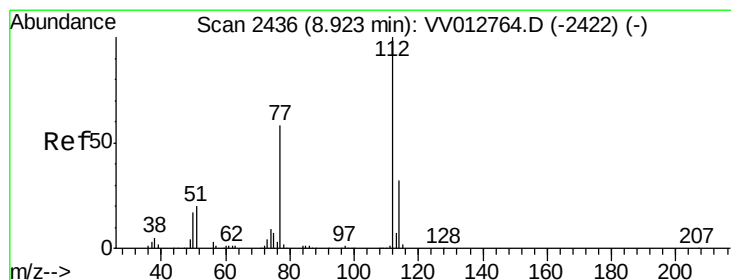
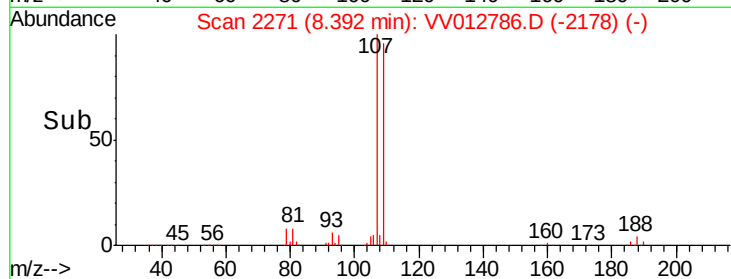
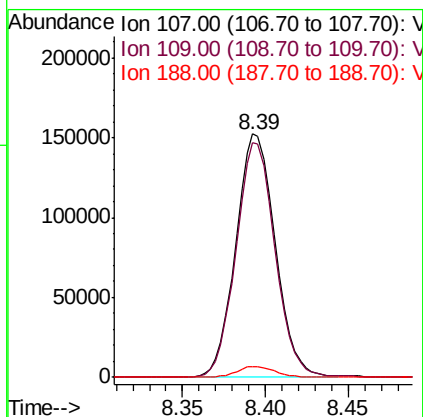
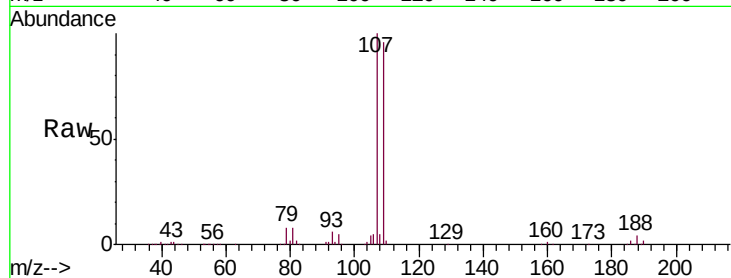




#50
 1,2-Dibromoethane
 Concen: 51.223 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

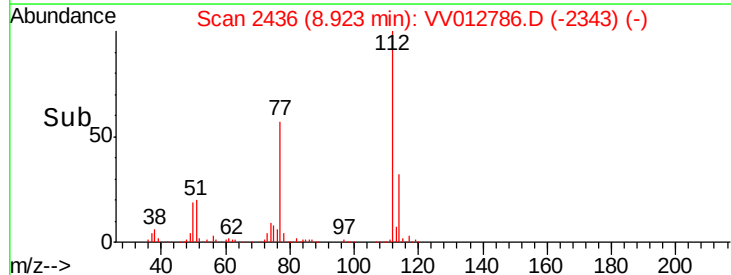
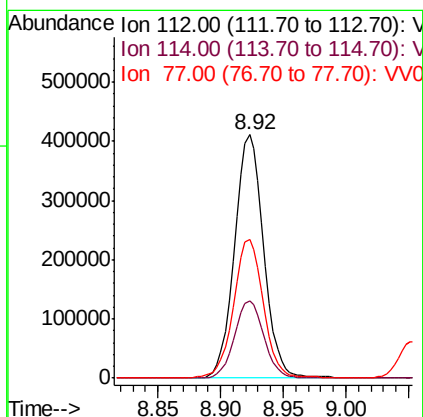
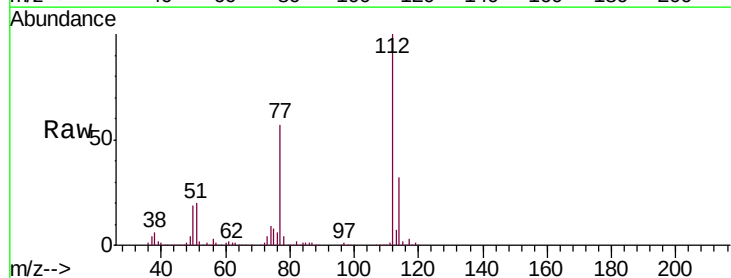
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

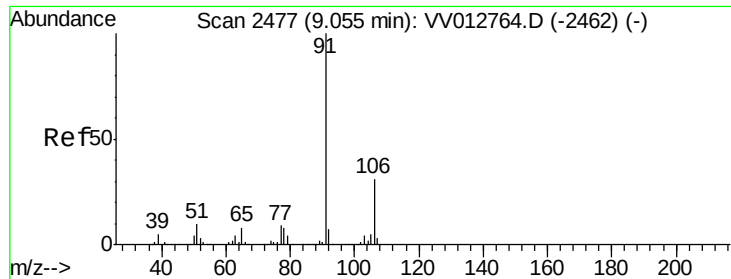
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.2	65.7	121.9
188	4.4	3.3	4.9



#51
 Chlorobenzene
 Concen: 50.932 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	56.8	46.7	70.1





#52

Ethylbenzene

Concen: 52.581 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

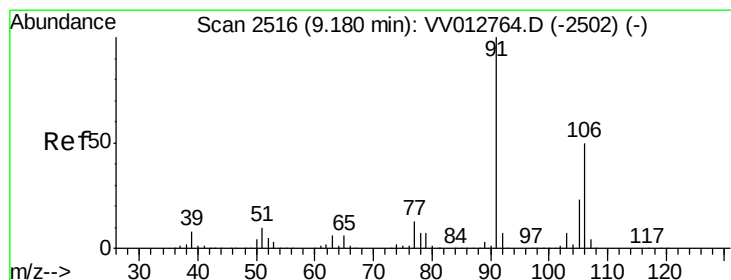
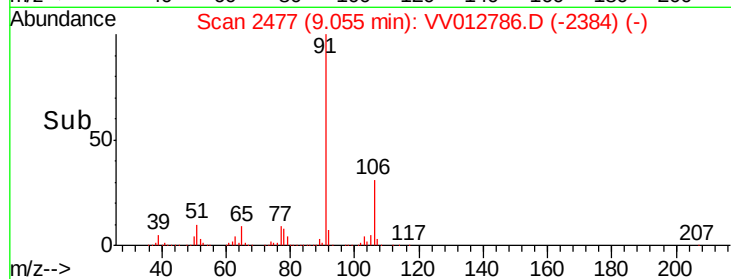
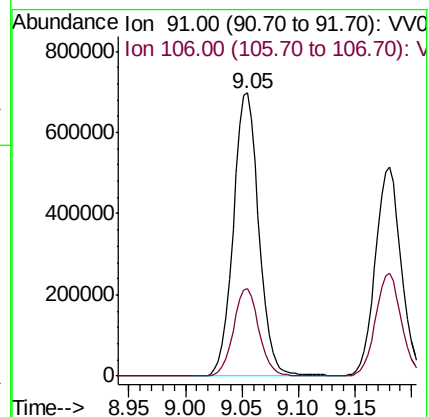
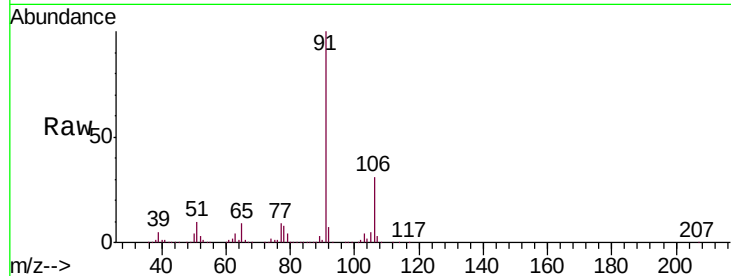
VSTD05071

Tgt Ion: 91 Resp: 1096884

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 53.023 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012786.D

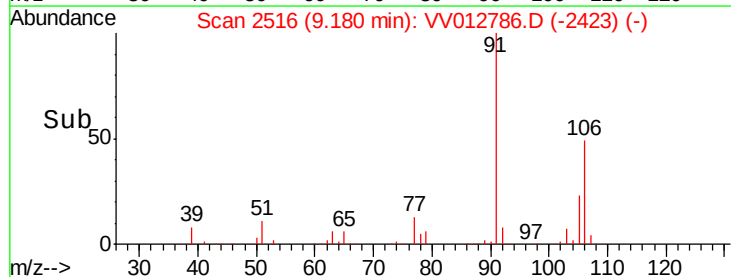
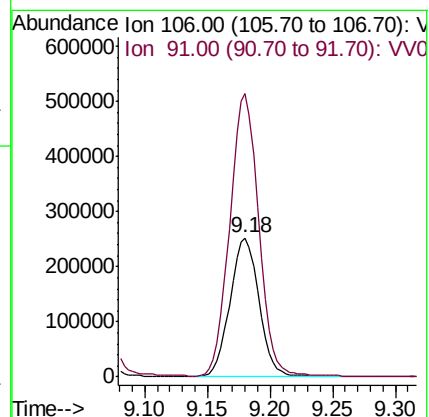
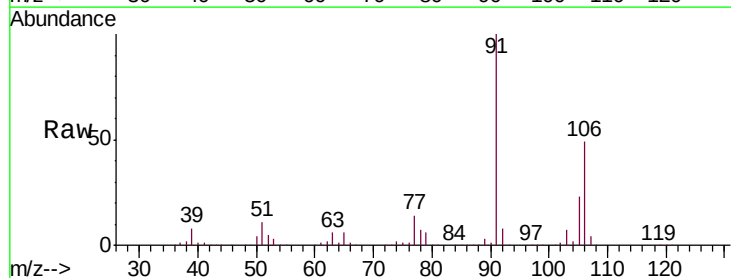
Acq: 14 Sep 2019 23:26

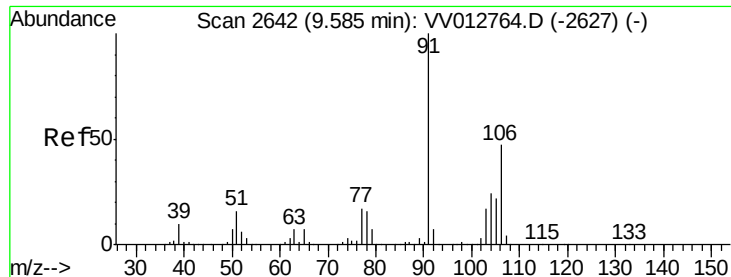
Tgt Ion: 106 Resp: 407352

Ion Ratio Lower Upper

106 100

91 203.7 139.9 259.7





#54

o-xylene

Concen: 53.875 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

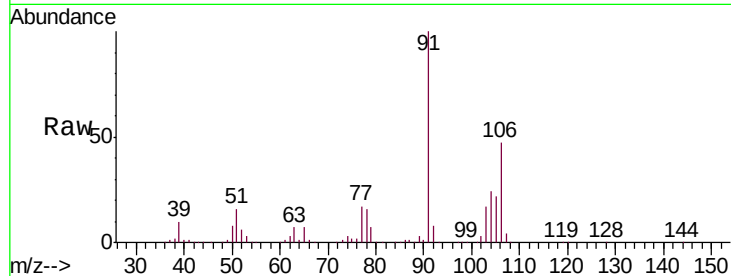
VSTD05071

Tgt Ion:106 Resp: 420178

Ion Ratio Lower Upper

106 100

91 211.0 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

600000

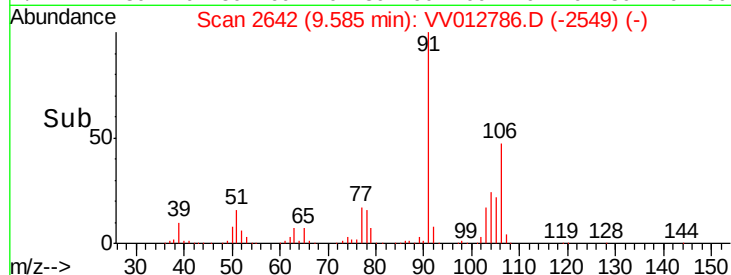
400000

200000

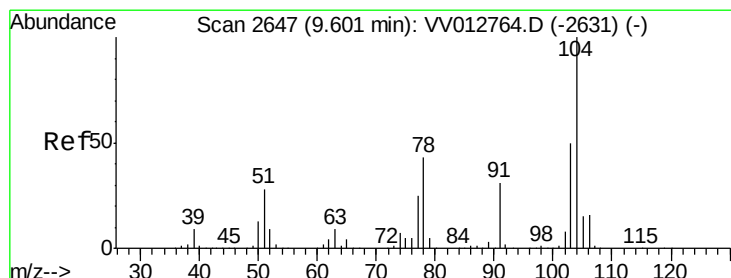
0

9.59

9.50 9.60 9.70



Time-->



#55

Styrene

Concen: 54.616 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012786.D

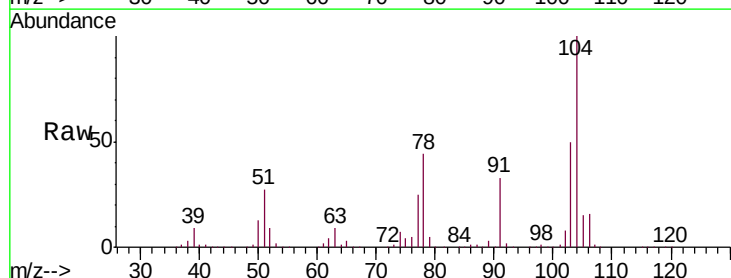
Acq: 14 Sep 2019 23:26

Tgt Ion:104 Resp: 722479

Ion Ratio Lower Upper

104 100

78 43.7 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

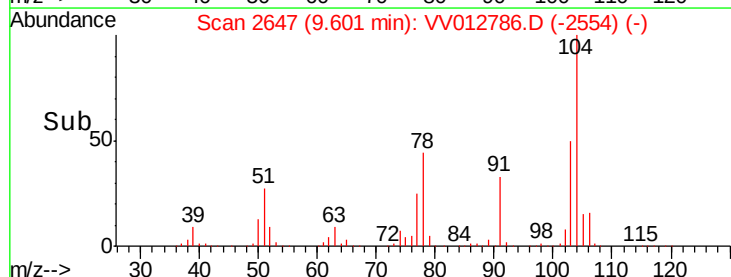
200000

100000

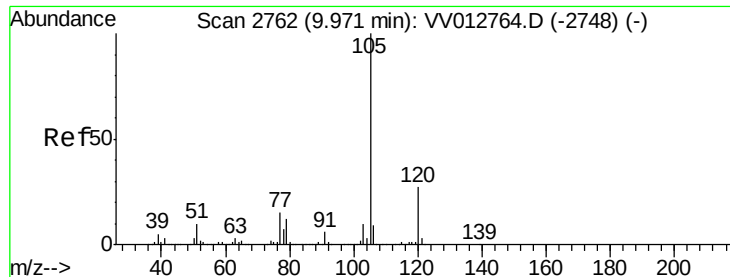
0

9.60

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 53.893 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

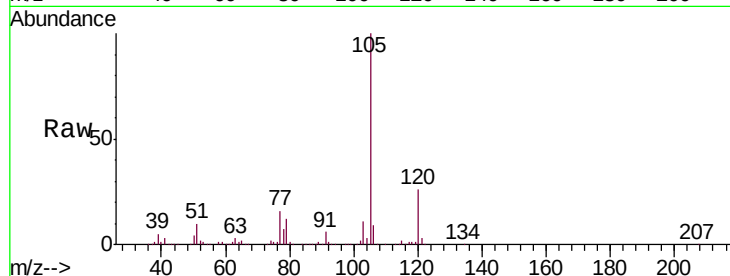
Tgt Ion:105 Resp: 1104371

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

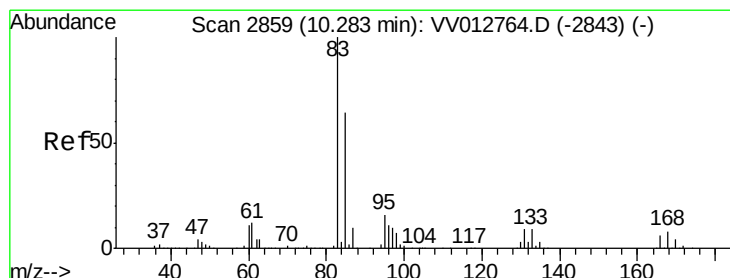
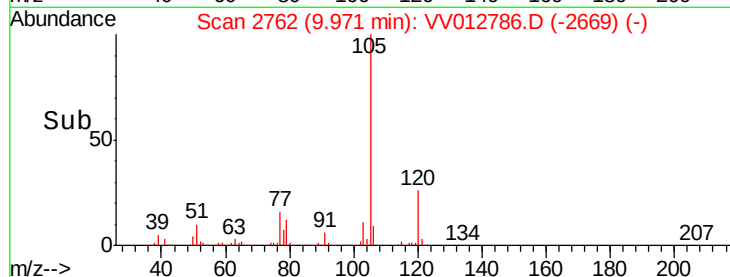
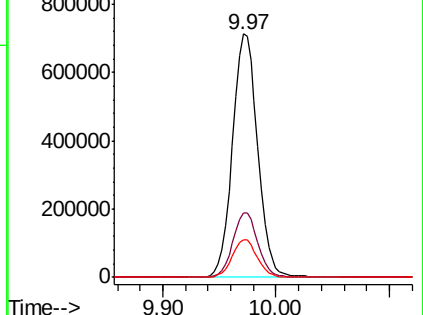
77 15.5 12.4 18.6



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: 53.458 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

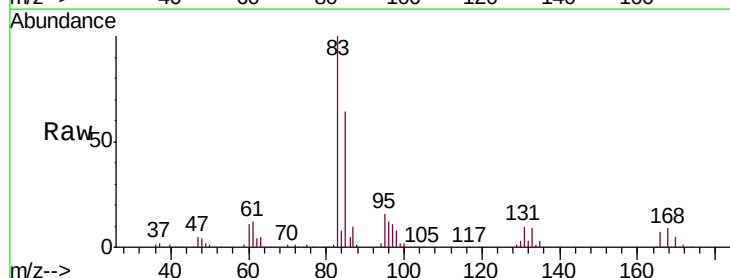
Tgt Ion: 83 Resp: 374244

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

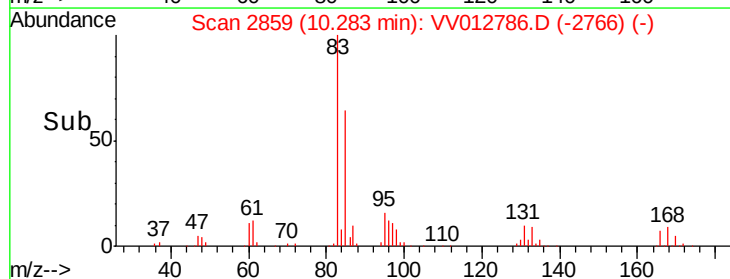
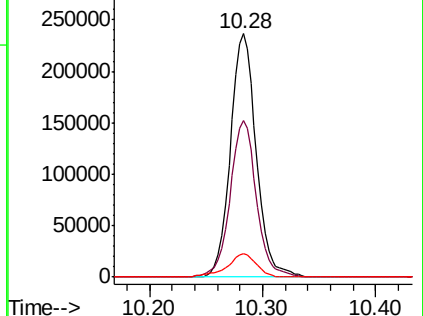
131 9.6 7.6 11.4

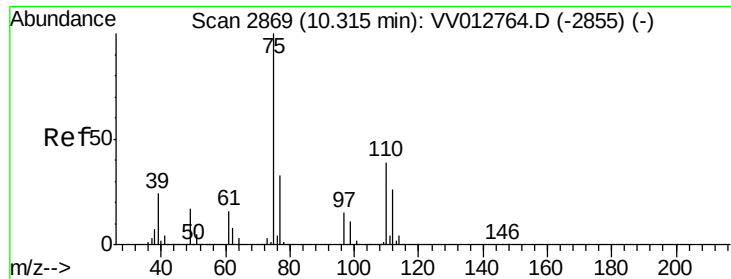


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.433 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

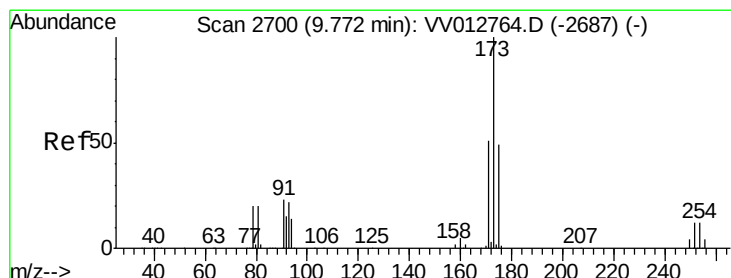
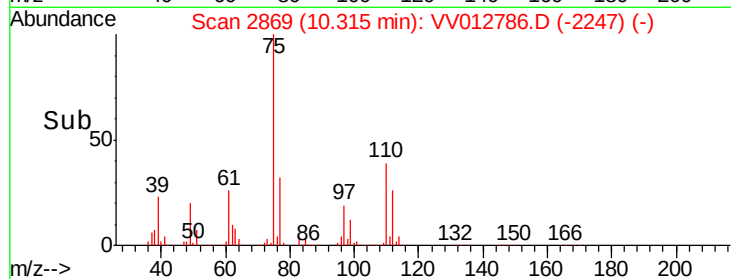
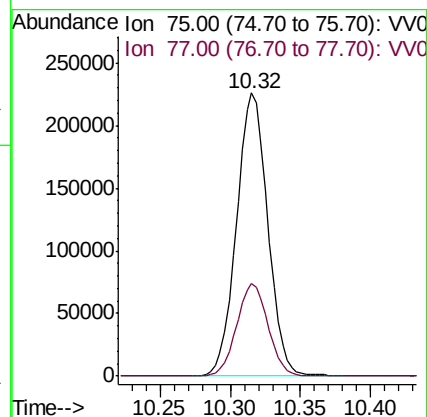
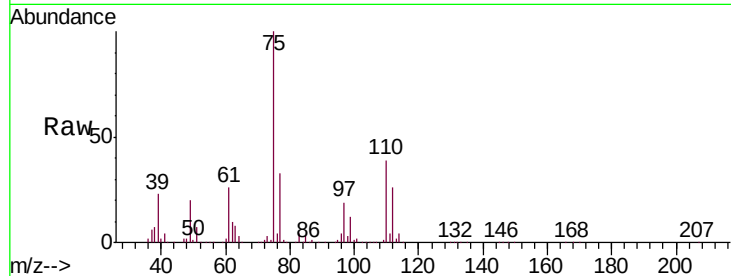
VSTD05071

Tgt Ion: 75 Resp: 350697

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#61

Bromoform

Concen: 52.389 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

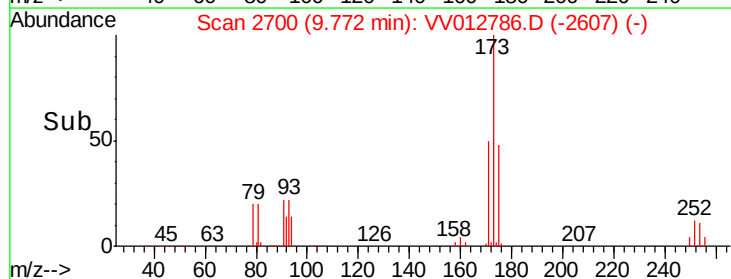
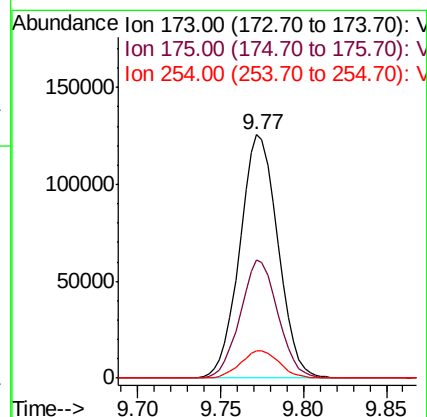
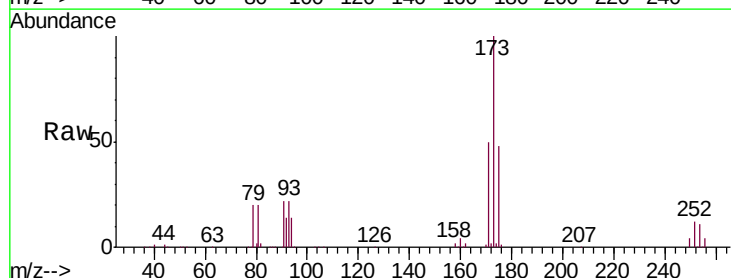
Tgt Ion: 173 Resp: 200806

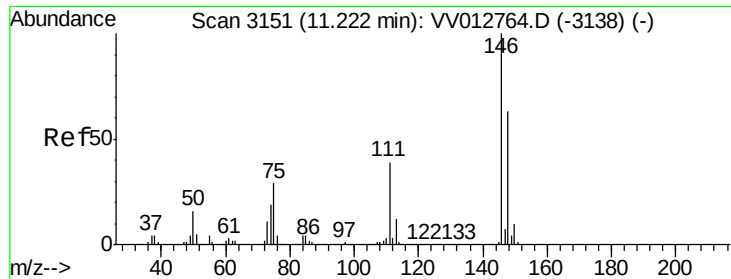
Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

254 11.5 8.9 13.3

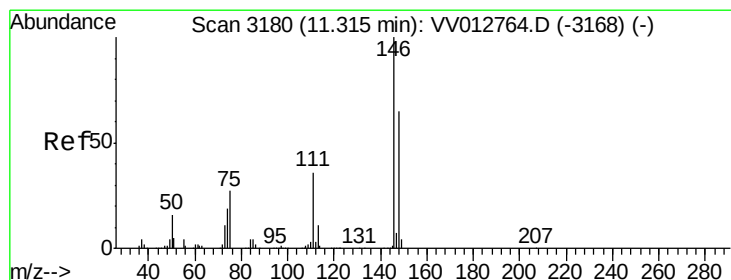
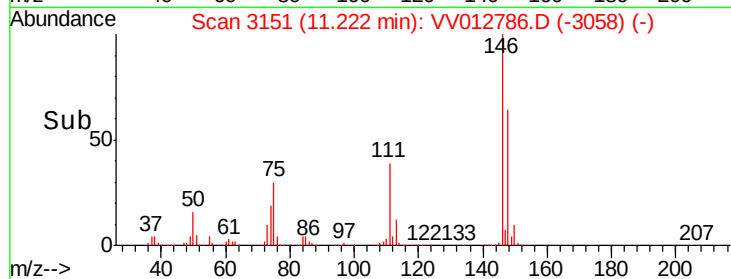
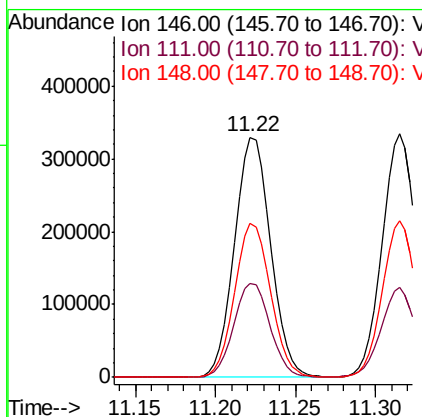
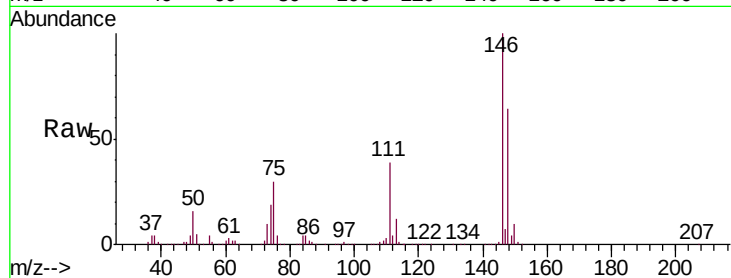




#62
 1,3-Dichlorobenzene
 Concen: 51.785 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

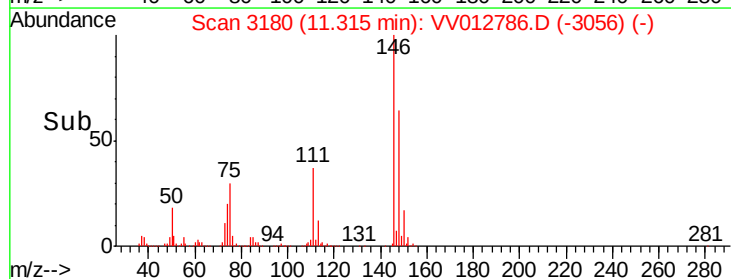
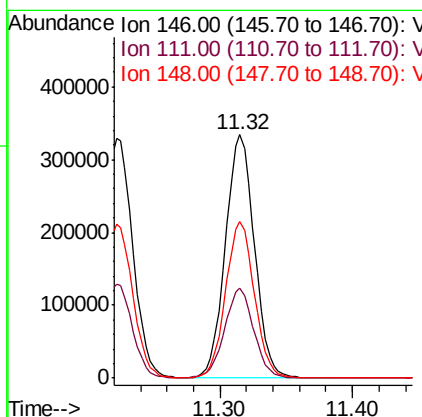
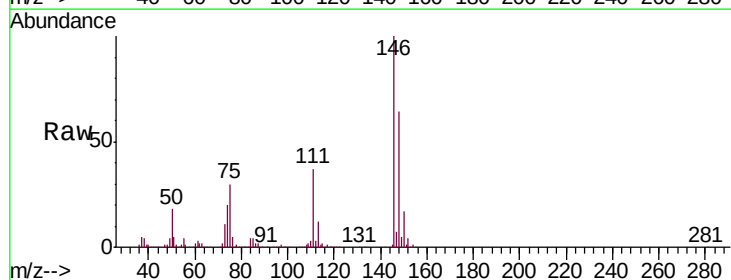
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

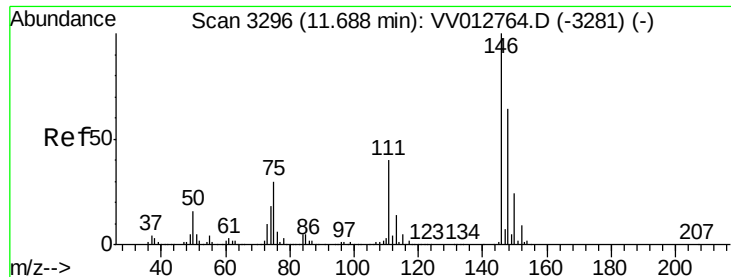
Tgt Ion:146 Resp: 507718
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.2 50.6
 148 64.1 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 50.502 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion:146 Resp: 507904
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.2 48.8
 148 64.5 45.0 83.6

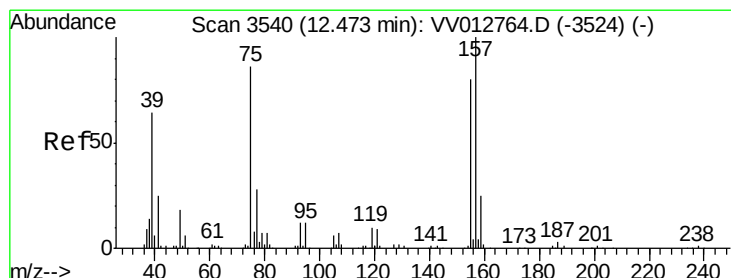
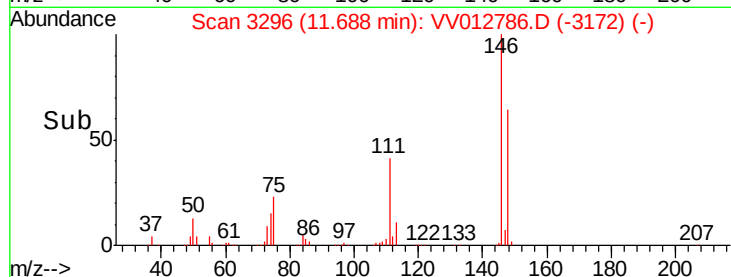
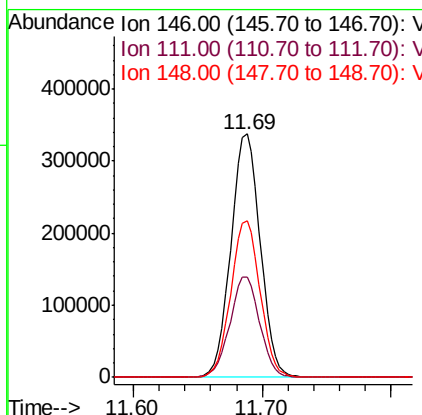
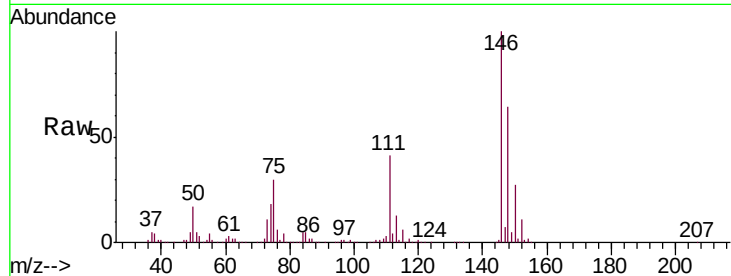




#65
 1,2-Dichlorobenzene
 Concen: 51.701 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

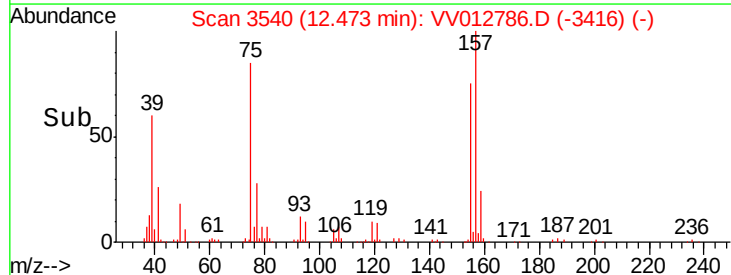
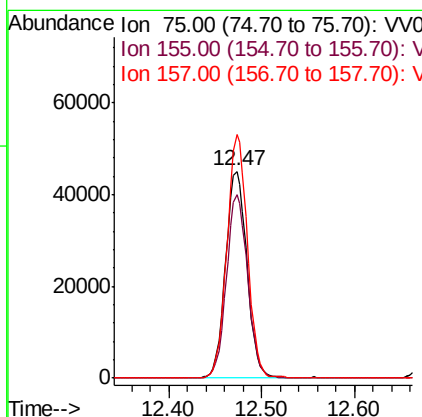
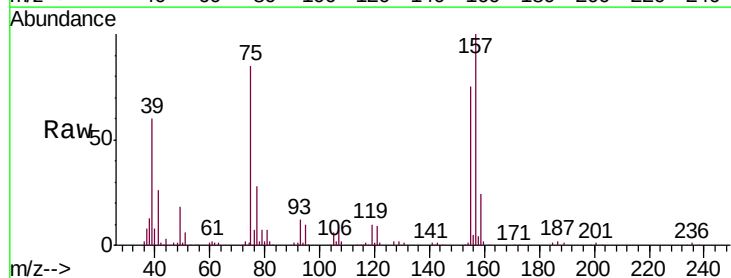
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05071

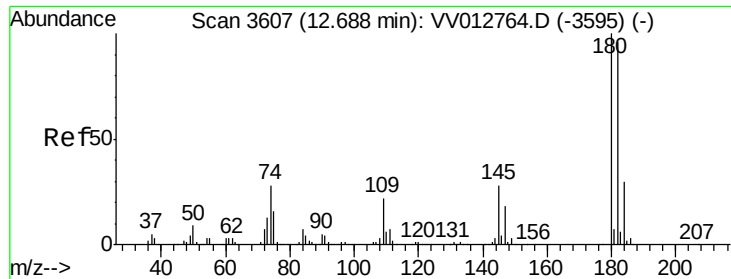
Tgt Ion: 146 Resp: 532979
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.2 48.2
 148 64.3 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.575 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion: 75 Resp: 72354
 Ion Ratio Lower Upper
 75 100
 155 88.5 73.4 110.0
 157 117.8 90.2 135.2

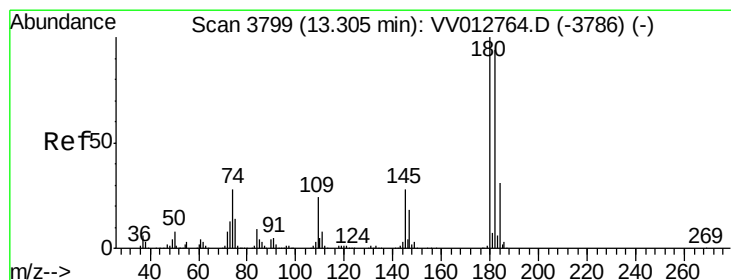
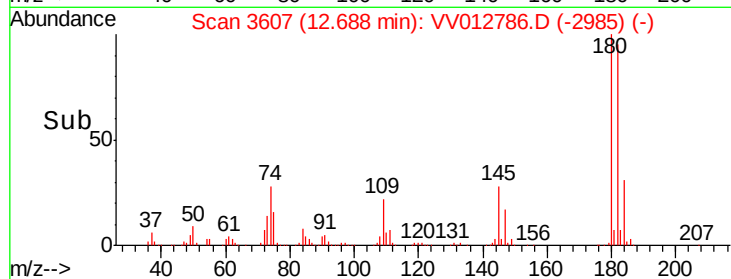
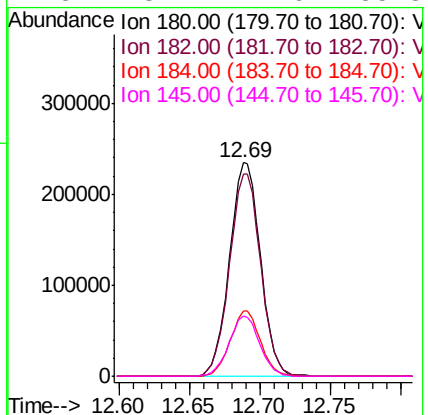
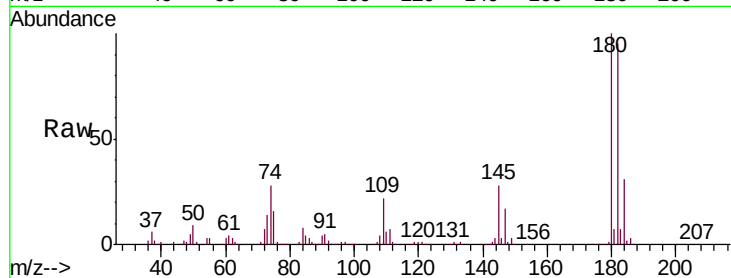




#67
 1,3,5-Trichlorobenzene
 Concen: 49.636 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

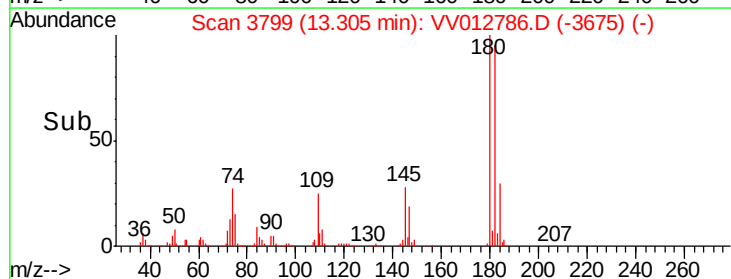
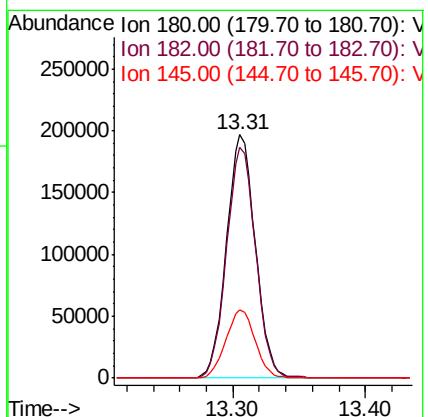
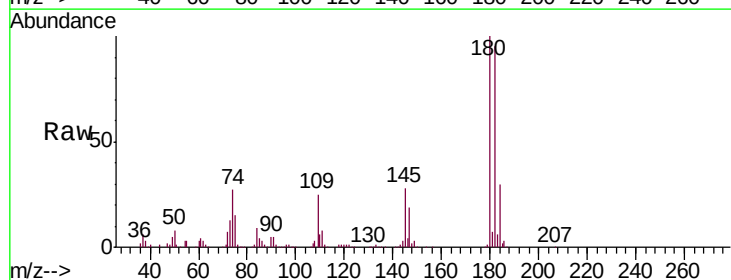
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

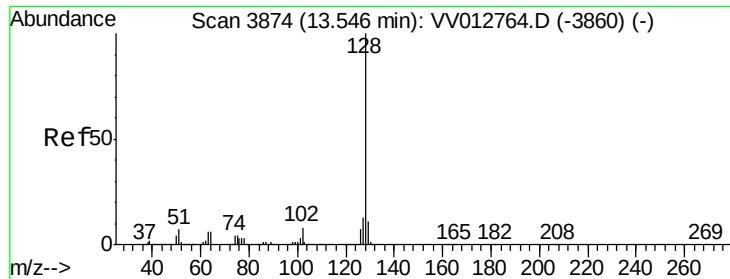
Tgt Ion:	180	Resp:	359526
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	30.0	24.4	36.6
145	28.1	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 48.719 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012786.D
 Acq: 14 Sep 2019 23:26

Tgt Ion:	180	Resp:	298160
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	28.4	23.0	34.4





#69

Naphthalene

Concen: 49.304 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

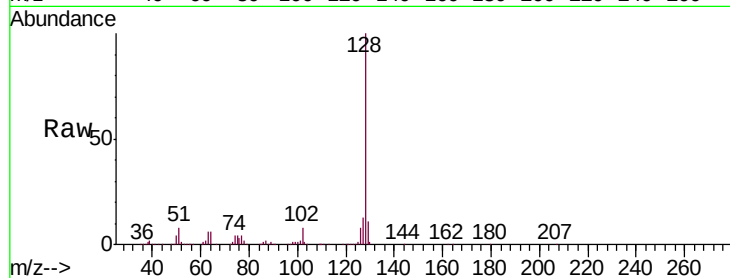
Tgt Ion:128 Resp: 872288

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

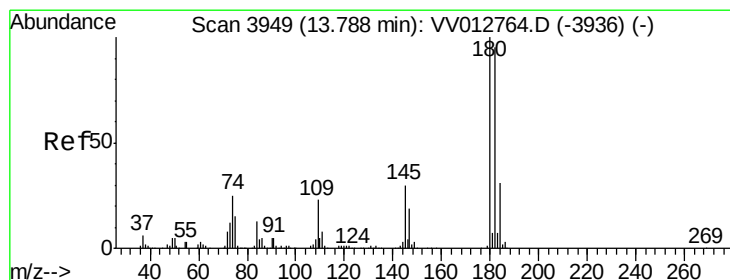
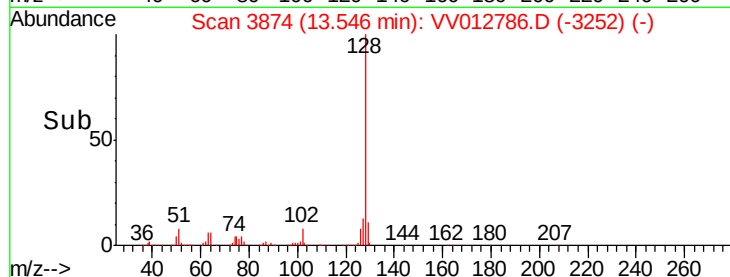
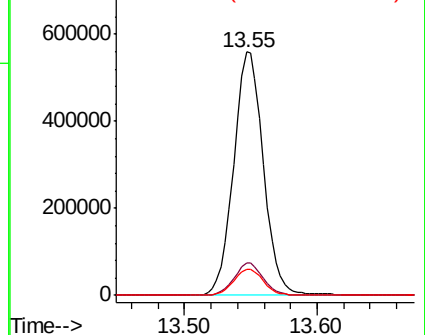
129 11.0 8.8 13.2



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: 50.410 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV012786.D

Acq: 14 Sep 2019 23:26

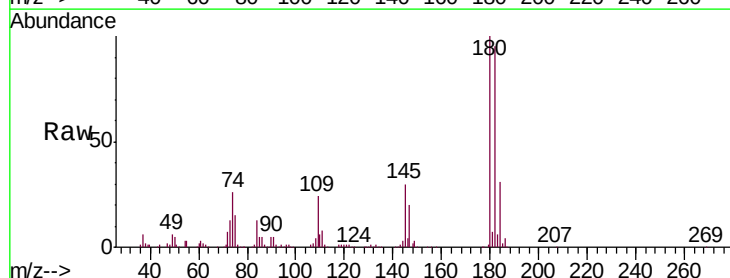
Tgt Ion:180 Resp: 334897

Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

145 30.6 24.2 36.2



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

