

Data File : VV014399.D
Acq On : 24 Jan 2020 19:58
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Jan 25 00:34:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 25 00:18:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	898993	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	841869	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	396705	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	239111	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.59	69	214275	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.14	63	355363	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.92	46	927825	61.40	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.80%
24) Chloroform-d	4.40	84	602350	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	288123	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	1096501	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.11	67	375515	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	894490	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	7.66	79	137237	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.13	63	801625	54.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.90%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	300684	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	348985	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	337127	4.974 ug/L	98
3) Chloromethane	1.26	50	318585	4.729 ug/L	97
5) Vinyl chloride	1.33	62	351596	5.588 ug/L	99
6) Bromomethane	1.54	94	44773	1.254 ug/L	96
8) Chloroethane	1.60	64	180925	5.118 ug/L	98
9) Trichlorofluoromethane	1.78	101	401536	5.406 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	213948	5.318 ug/L	95
12) 1,1-Dichloroethene	2.15	96	202384	5.039 ug/L	89
13) Acetone	2.18	43	443777	42.648 ug/L	98
14) Carbon disulfide	2.32	76	864818	4.852 ug/L	97
15) Methyl Acetate	2.46	43	109666	4.527 ug/L	99
16) Methylene chloride	2.54	84	328071	5.018 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	672659	4.525 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	291807	4.833 ug/L	95
19) 1,1-Dichloroethane	3.23	63	571542	4.830 ug/L	97
21) 2-Butanone	4.01	43	824724	52.838 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	339969	5.137 ug/L #	97

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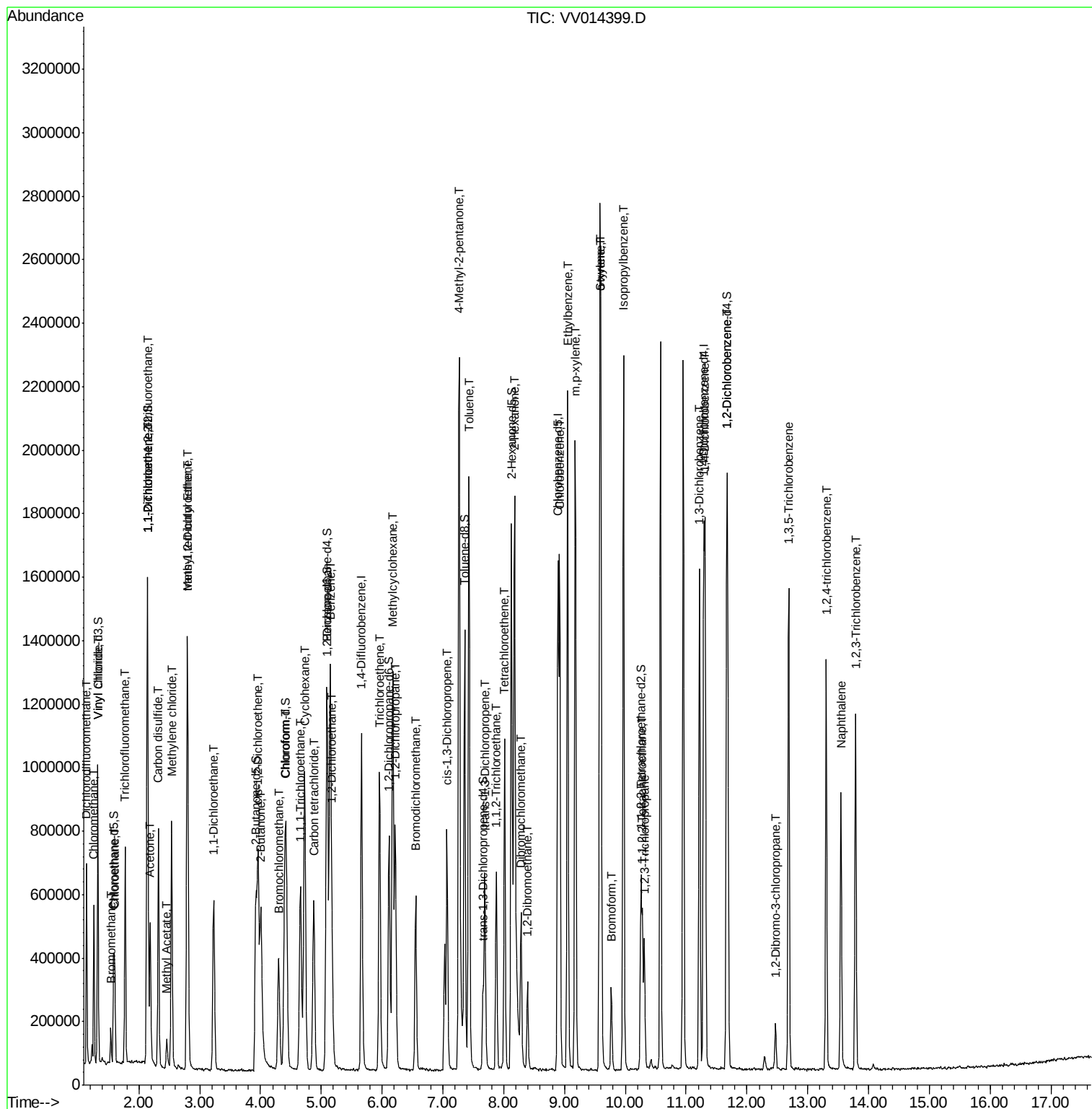
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	118336	4.703	ug/L	90
25) Chloroform	4.42	83	555286	4.901	ug/L	97
27) 1,2-Dichloroethane	5.18	62	311255	4.592	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	468252	4.672	ug/L	98
30) Cyclohexane	4.73	56	553492	5.002	ug/L	97
31) Carbon tetrachloride	4.87	117	404416	4.712	ug/L	99
33) Benzene	5.15	78	1259806	4.859	ug/L	100
34) Trichloroethene	5.96	95	346270	5.197	ug/L	98
35) Methylcyclohexane	6.17	83	535371	4.915	ug/L	98
37) 1,2-Dichloropropane	6.22	63	321192	4.908	ug/L	99
38) Bromodichloromethane	6.55	83	391158	4.635	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	466261	4.401	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	1791891	43.437	ug/L	98
42) Toluene	7.43	91	1334704	4.877	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	351516	4.320	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	195781	4.683	ug/L	99
47) Tetrachloroethene	8.02	164	220075	4.835	ug/L	99
48) 2-Hexanone	8.18	43	1420176	49.772	ug/L	99
49) Dibromochloromethane	8.29	129	234549	4.438	ug/L	98
50) 1,2-Dibromoethane	8.39	107	183985	4.545	ug/L	97
51) Chlorobenzene	8.92	112	819008	4.866	ug/L	99
52) Ethylbenzene	9.05	91	1518853	4.961	ug/L	100
53) m,p-xylene	9.18	106	561053	4.967	ug/L	98
54) o-xylene	9.58	106	546027	4.916	ug/L	100
55) Styrene	9.60	104	902434	4.796	ug/L	97
56) Isopropylbenzene	9.97	105	1457119	5.029	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	242970	4.713	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	177151	4.543	ug/L	97
61) Bromoform	9.77	173	117842	4.382	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	609514	4.915	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	621605	5.040	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	558839	4.989	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	37250	3.618	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	436888	4.844	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	364984	4.614	ug/L	97
69) Naphthalene	13.55	128	678433	4.221	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	323338	4.645	ug/L	98

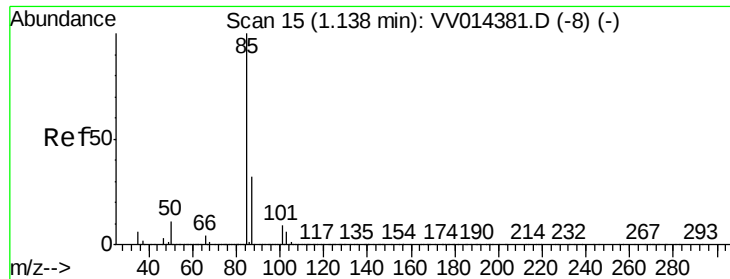
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.974 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

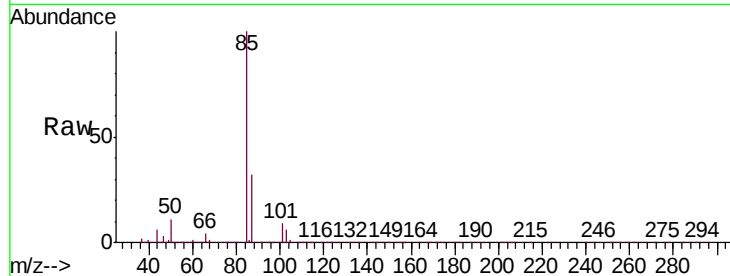
VSTD00547

Tgt Ion: 85 Resp: 337127

Ion Ratio Lower Upper

85 100

87 32.3 25.1 37.7

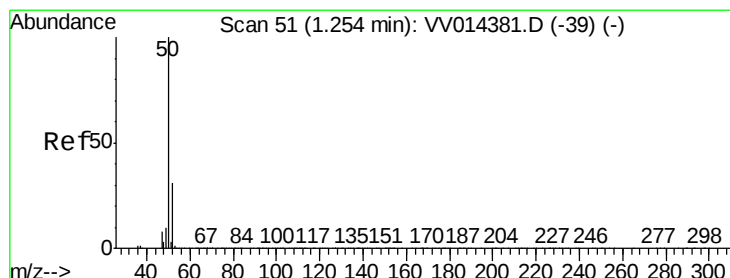
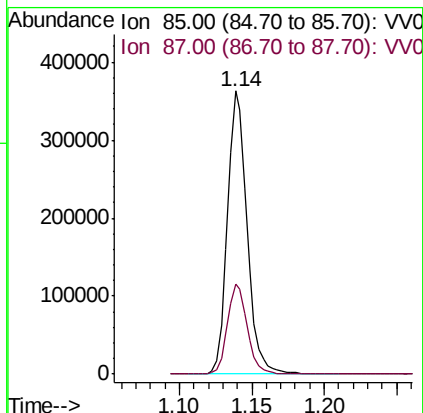
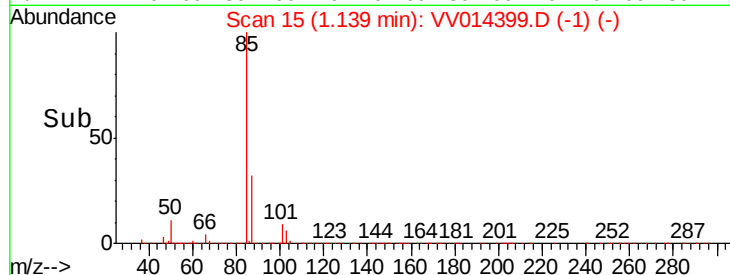


Abundance Ion 85.00 (84.70 to 85.70): VV014381.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014381.D (-8) (-)

1.14

Time-->



#3

Chloromethane

Concen: 4.729 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014399.D

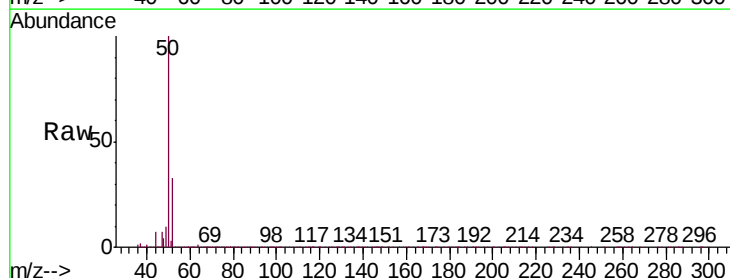
Acq: 24 Jan 2020 19:58

Tgt Ion: 50 Resp: 318585

Ion Ratio Lower Upper

50 100

52 33.4 22.3 41.3

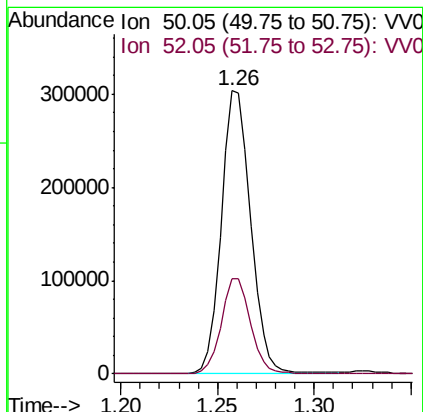
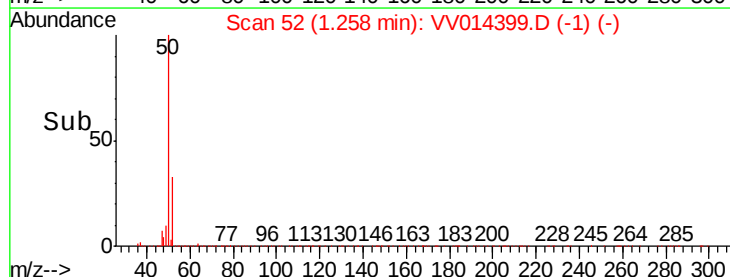


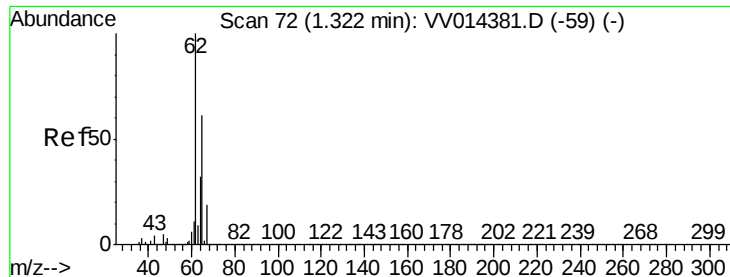
Abundance Ion 50.05 (49.75 to 50.75): VV014381.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV014381.D (-39) (-)

1.26

Time-->





#5

Vinyl chloride

Concen: 5.588 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

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ClientSampleId :

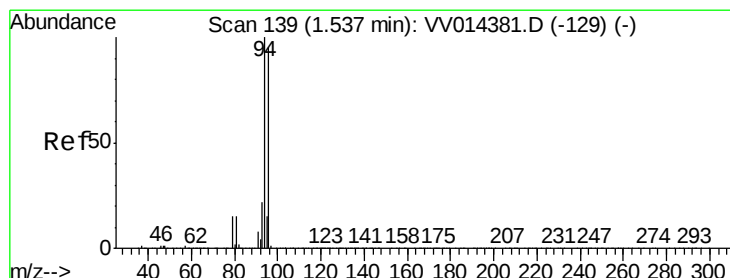
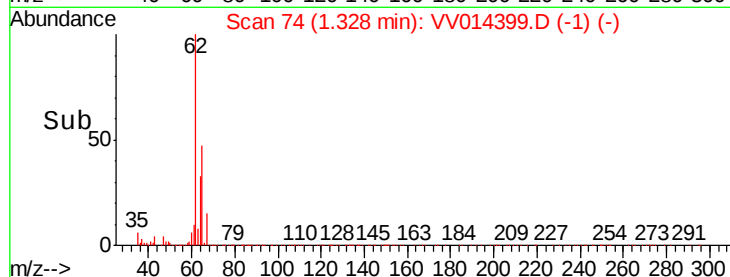
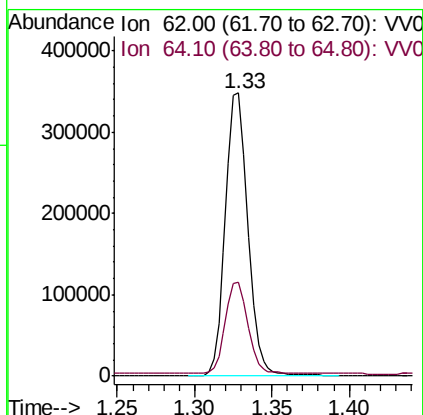
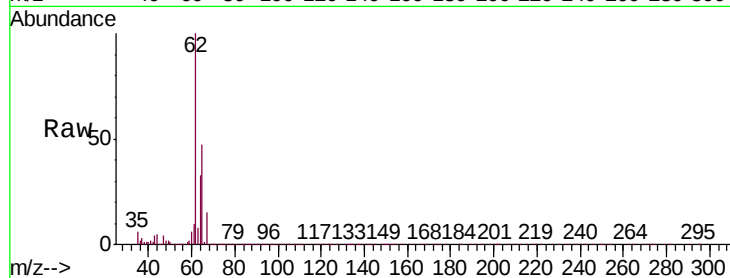
VSTD00547

Tgt Ion: 62 Resp: 351596

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.6



#6

Bromomethane

Concen: 1.254 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014399.D

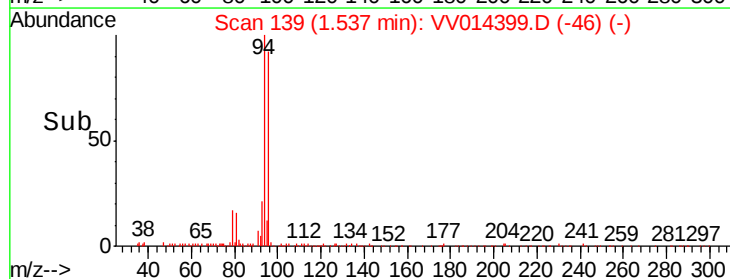
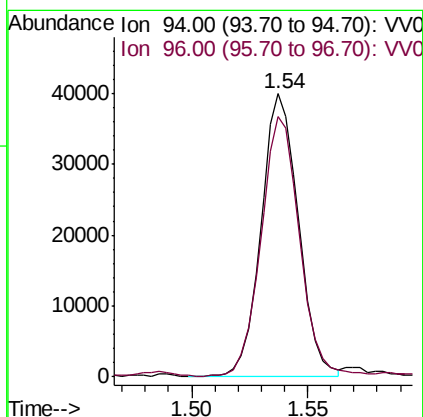
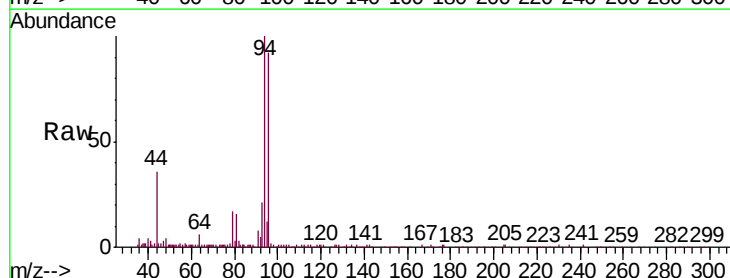
Acq: 24 Jan 2020 19:58

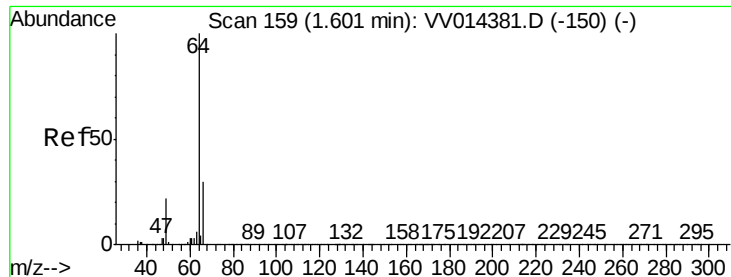
Tgt Ion: 94 Resp: 44773

Ion Ratio Lower Upper

94 100

96 92.1 66.9 124.3

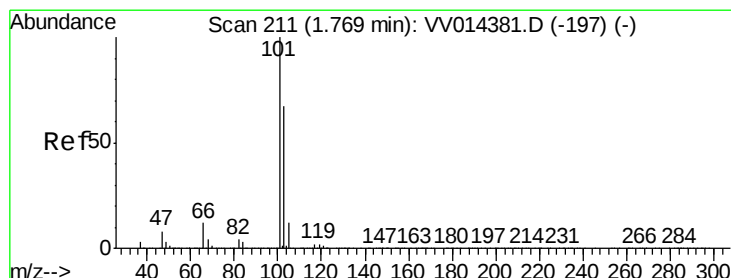
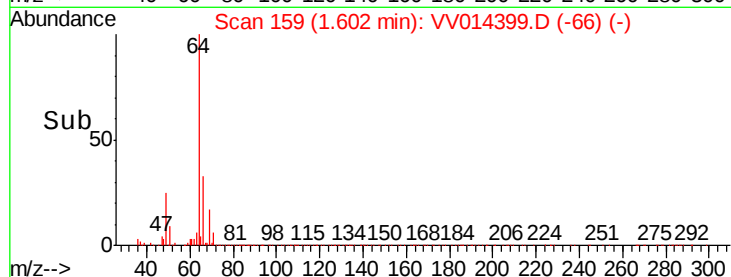
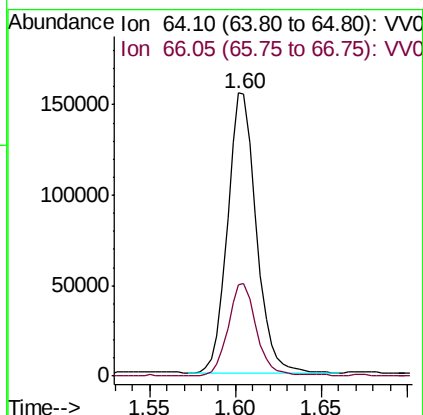
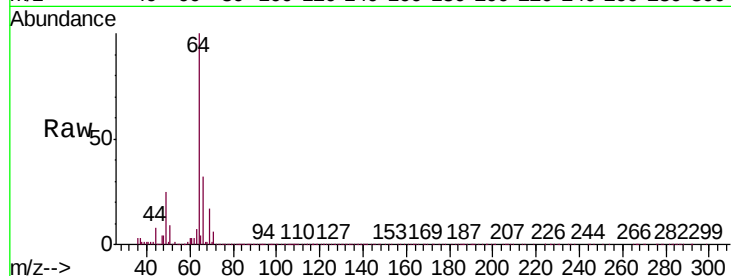




#8
Chloroethane
Concen: 5.118 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

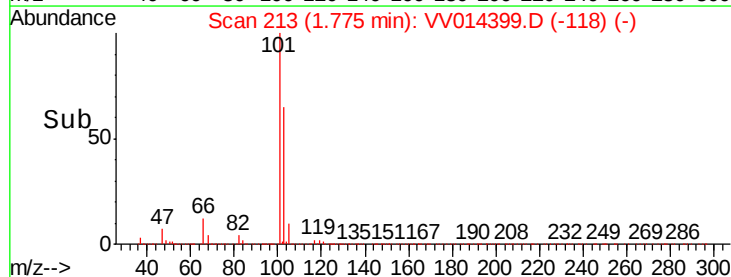
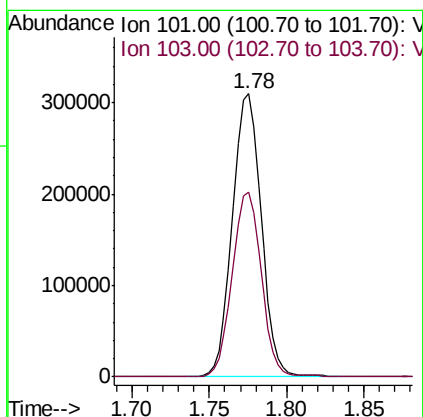
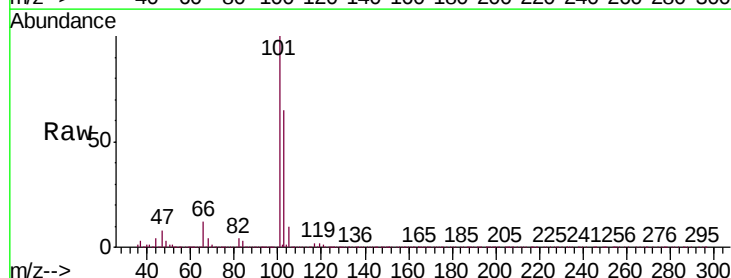
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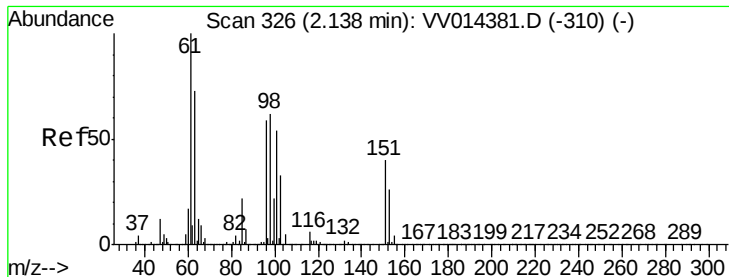
Tgt Ion: 64 Resp: 180925
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.406 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.01 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion: 101 Resp: 401536
Ion Ratio Lower Upper
101 100
103 65.3 52.6 78.8





#10

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

Concen: 5.318 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

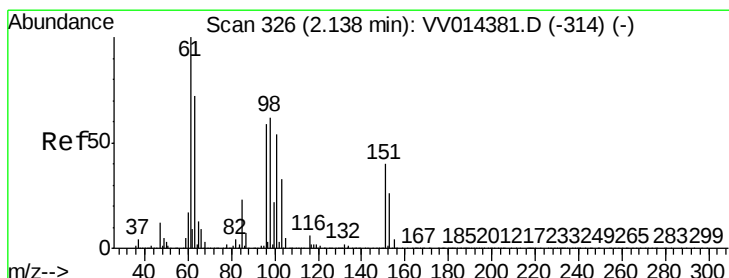
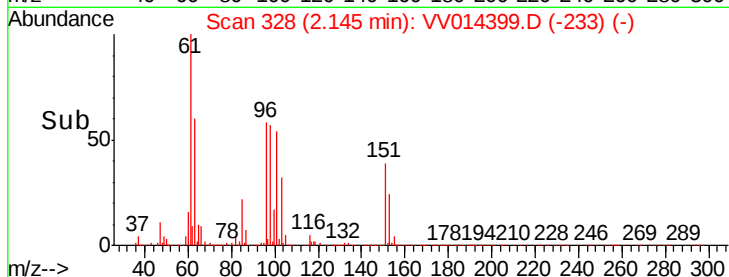
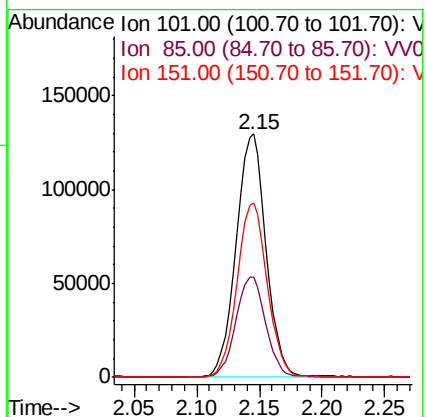
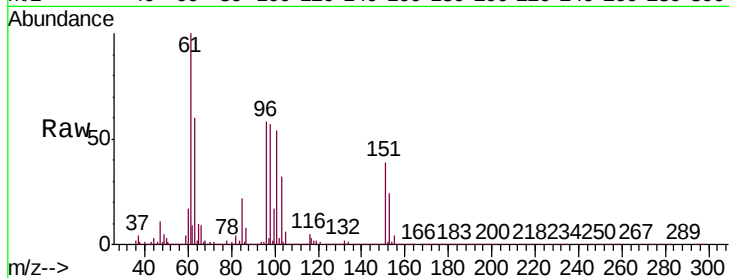
Tgt Ion: 101 Resp: 213948

Ion Ratio Lower Upper

101 100

85 41.1 34.9 52.3

151 73.2 62.5 93.7



#12

1,1-Dichloroethene

Concen: 5.039 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

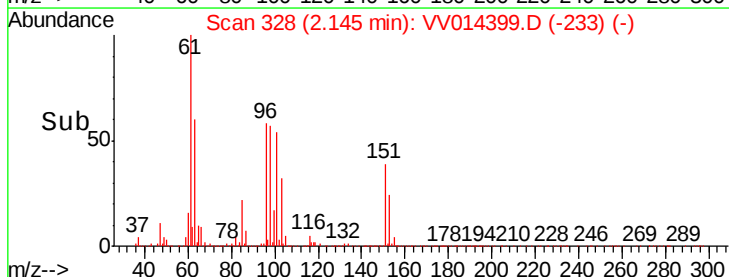
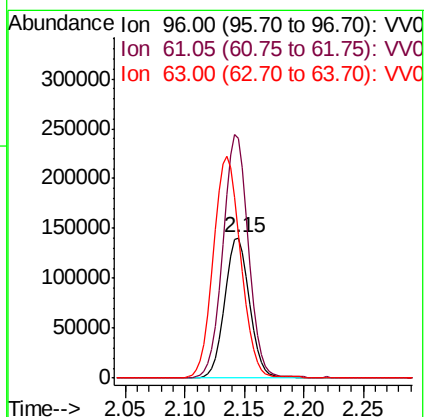
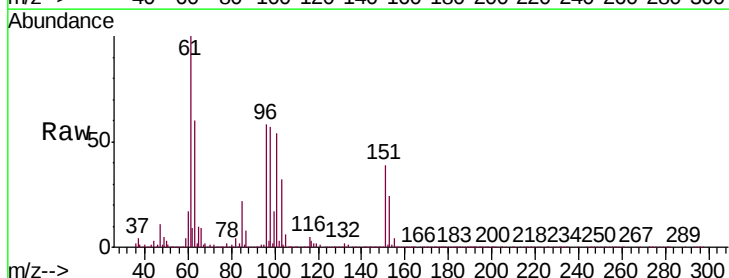
Tgt Ion: 96 Resp: 202384

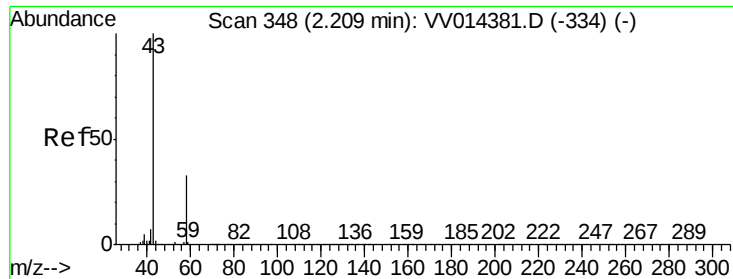
Ion Ratio Lower Upper

96 100

61 171.1 121.5 225.7

63 102.9 90.3 167.7





#13

Acetone

Concen: 42.648 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

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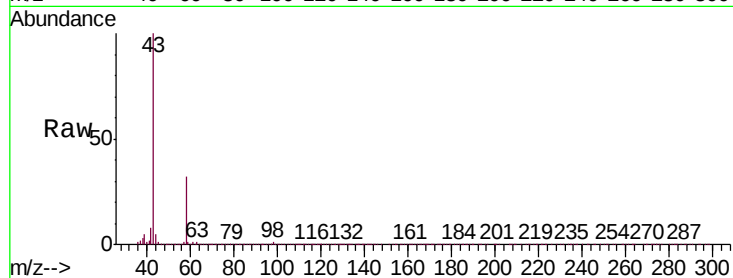
VSTD00547

Tgt Ion: 43 Resp: 443777

Ion Ratio Lower Upper

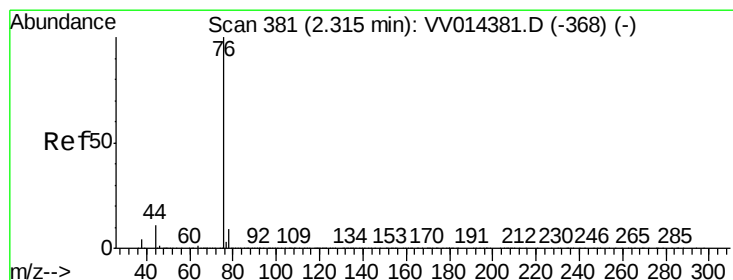
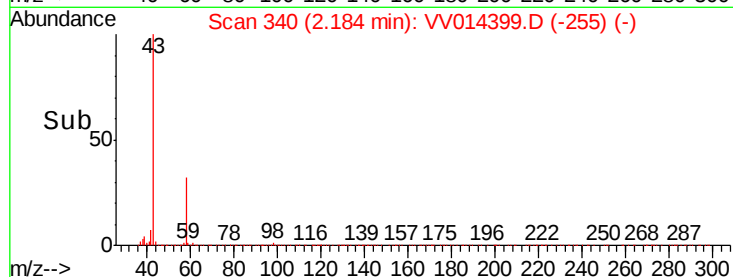
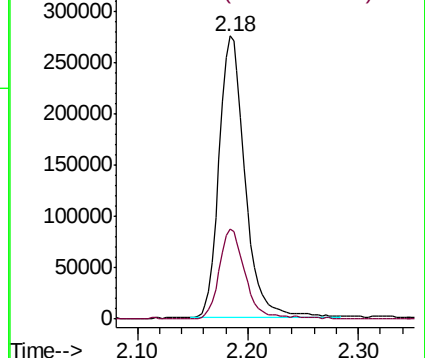
43 100

58 32.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.852 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV014399.D

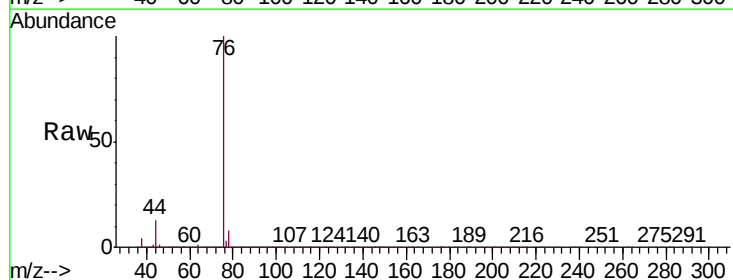
Acq: 24 Jan 2020 19:58

Tgt Ion: 76 Resp: 864818

Ion Ratio Lower Upper

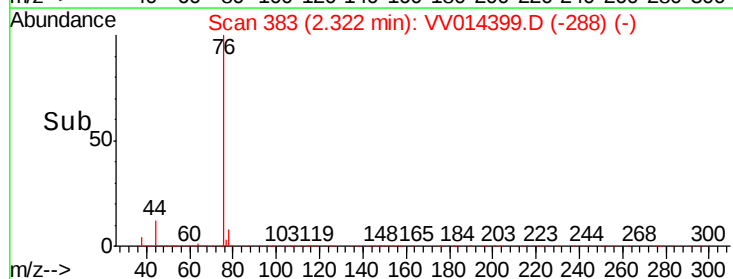
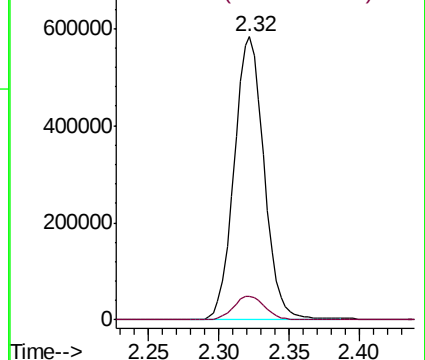
76 100

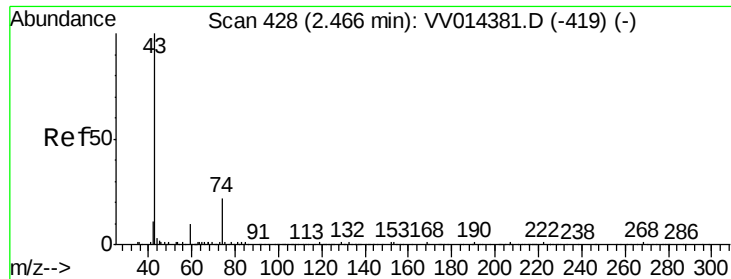
78 8.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

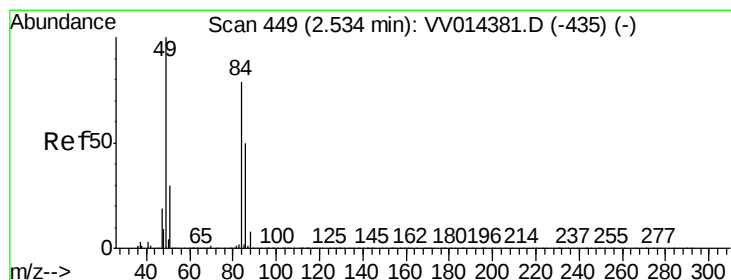
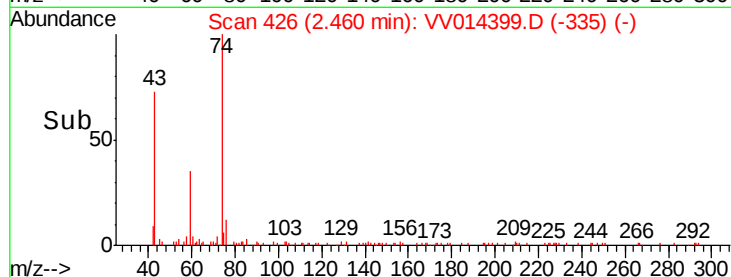
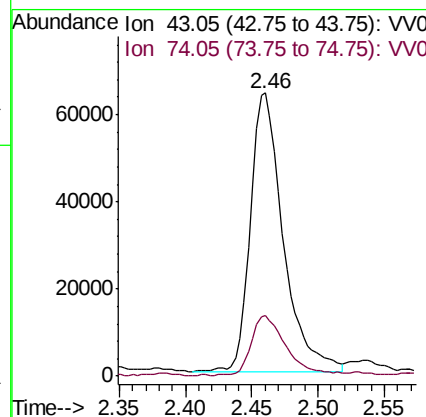
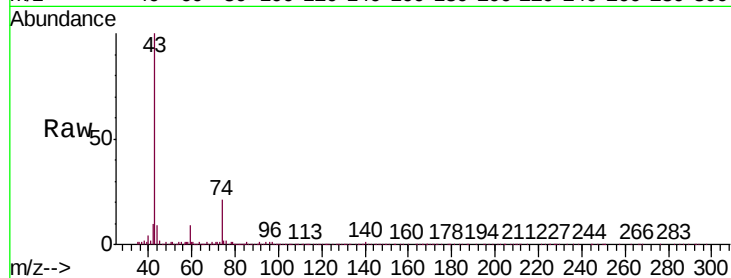




#15
Methyl Acetate
Concen: 4.527 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

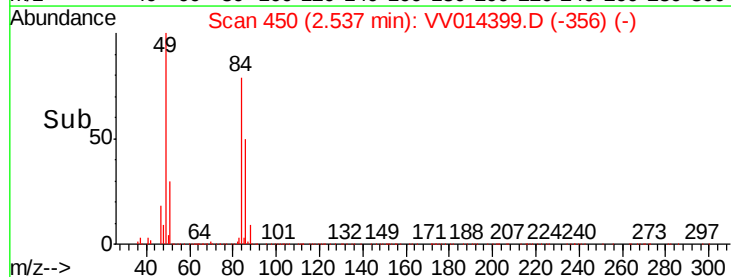
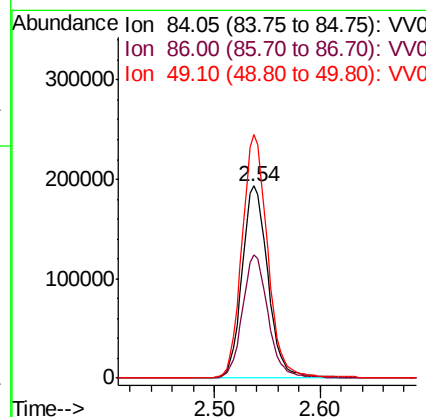
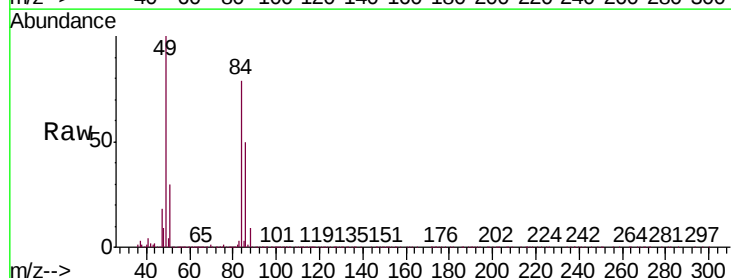
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

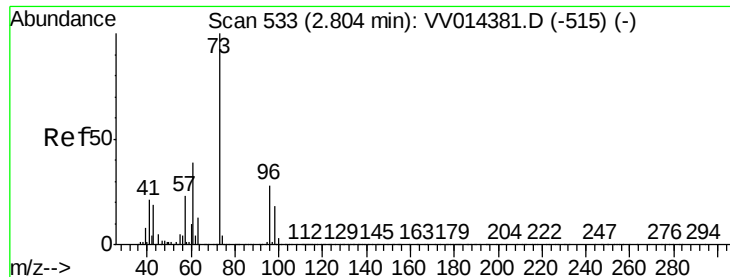
Tgt Ion: 43 Resp: 109666
Ion Ratio Lower Upper
43 100
74 23.9 18.6 28.0



#16
Methylene chloride
Concen: 5.018 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion: 84 Resp: 328071
Ion Ratio Lower Upper
84 100
86 64.0 43.1 80.1
49 126.9 82.1 152.5

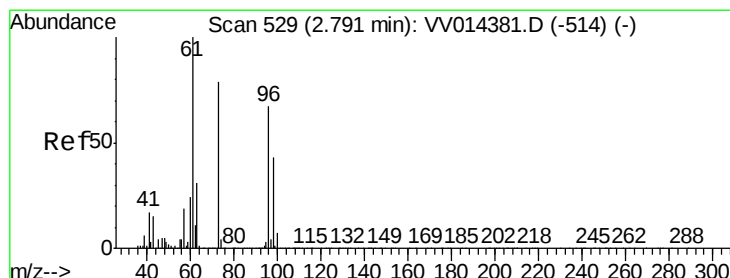
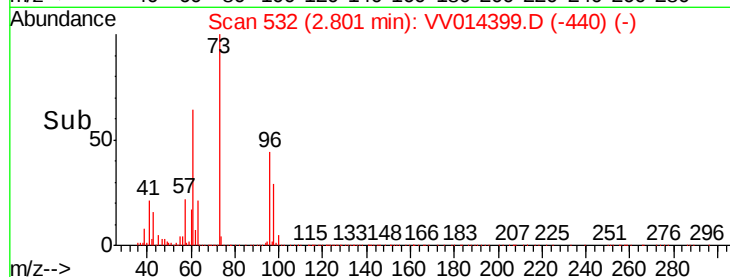
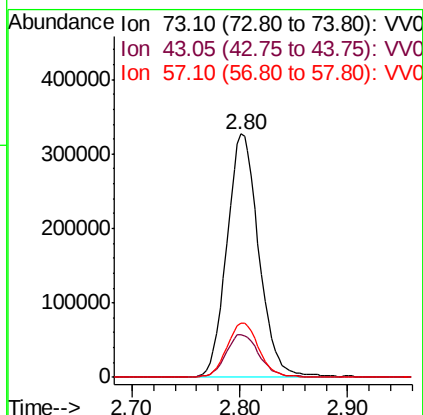
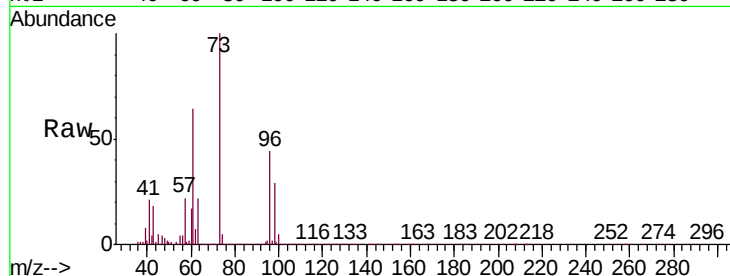




#17
Methyl tert-butyl Ether
Concen: 4.525 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

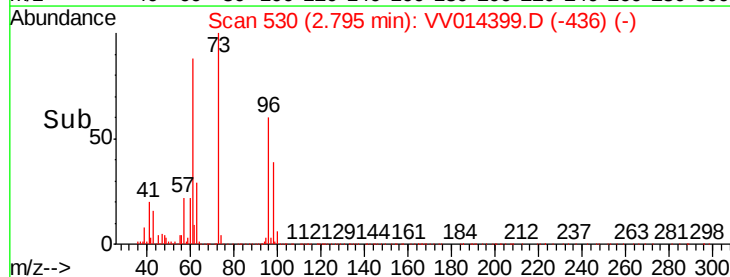
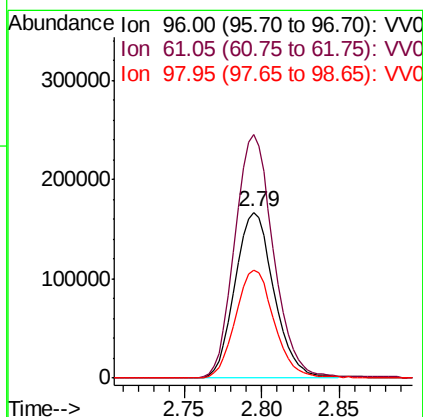
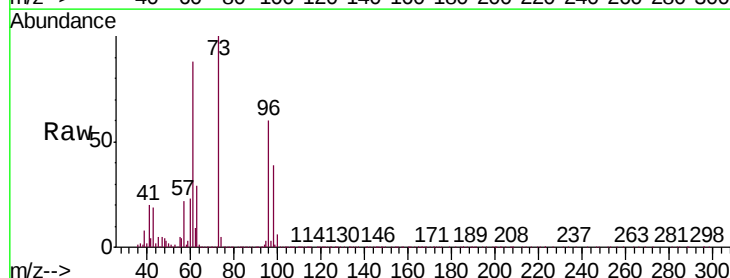
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

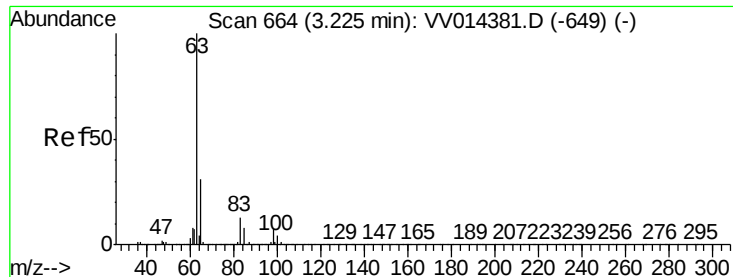
Tgt Ion:	73	Resp:	672659
Ion	Ratio	Lower	Upper
73	100		
43	17.9	14.7	22.1
57	22.3	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.833 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion:	96	Resp:	291807
Ion	Ratio	Lower	Upper
96	100		
61	147.0	99.2	184.2
98	65.5	43.1	80.1

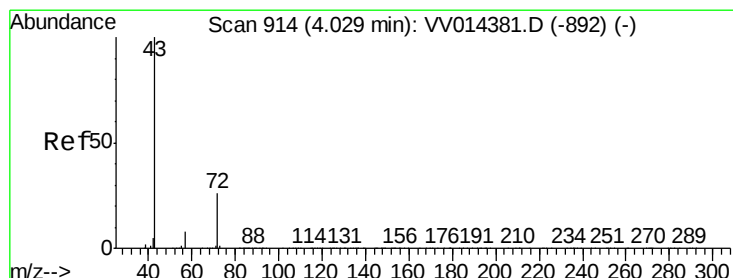
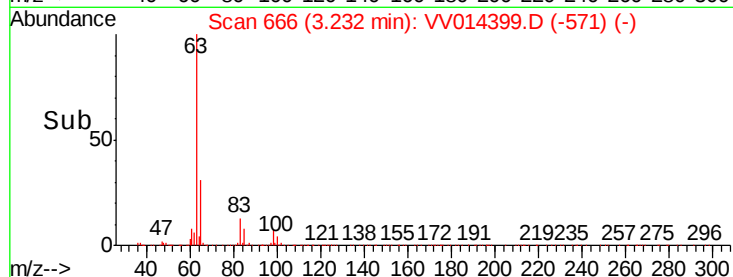
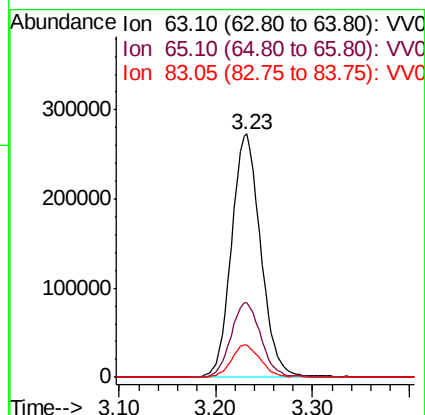
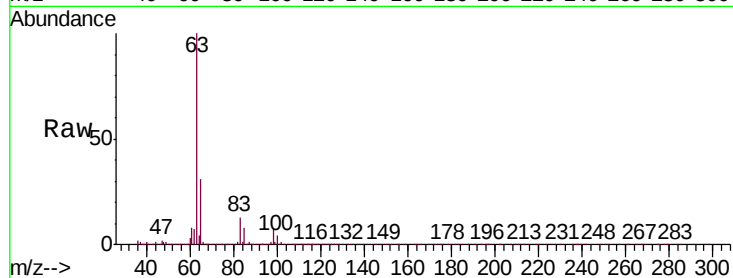




#19
 1,1-Dichloroethane
 Concen: 4.830 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

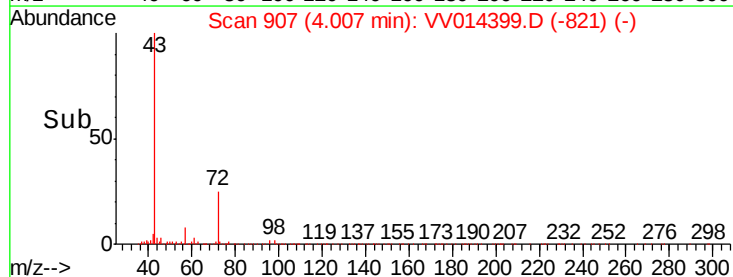
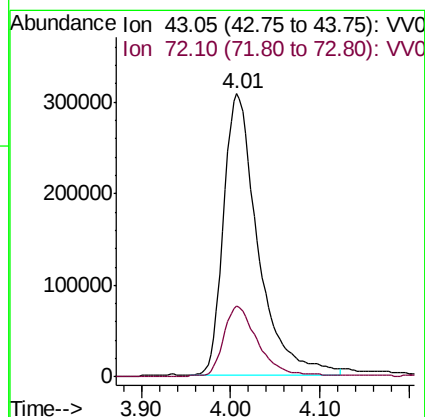
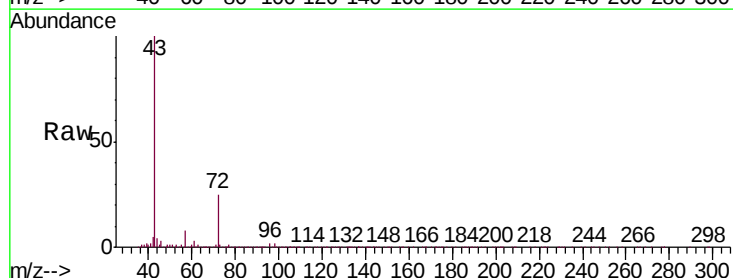
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

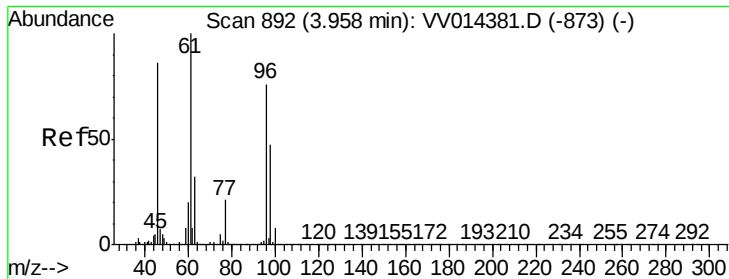
Tgt Ion: 63 Resp: 571542
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.7 42.3
 83 13.1 10.0 18.6



#21
 2-Butanone
 Concen: 52.838 ug/L
 RT: 4.01 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion: 43 Resp: 824724
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.4 37.2



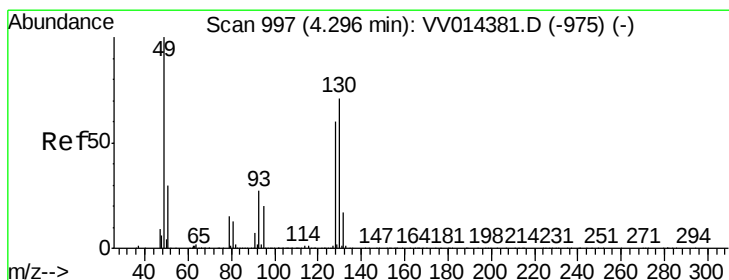
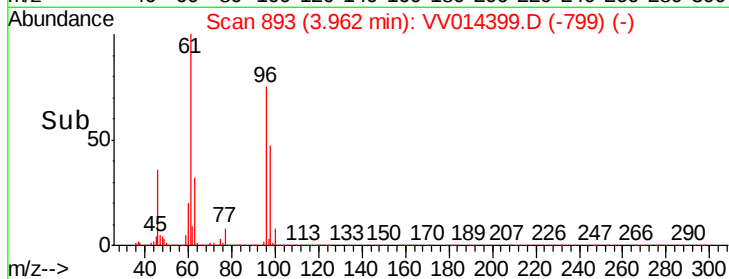
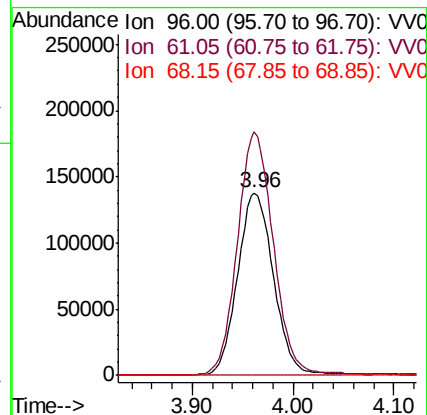
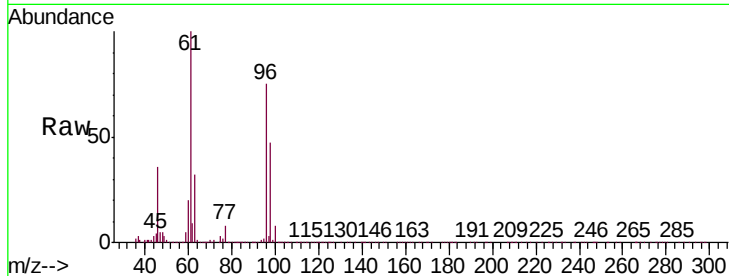


#22

cis-1,2-Dichloroethene
 Concen: 5.137 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

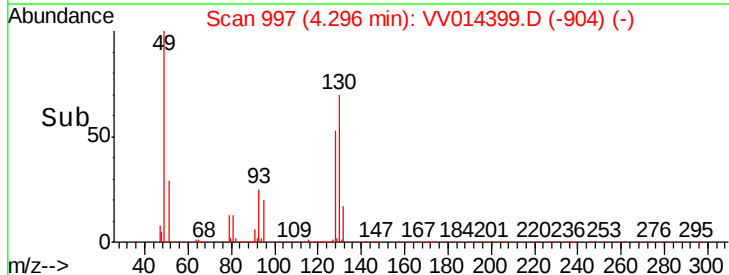
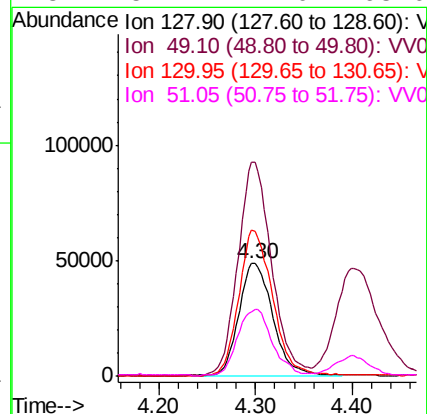
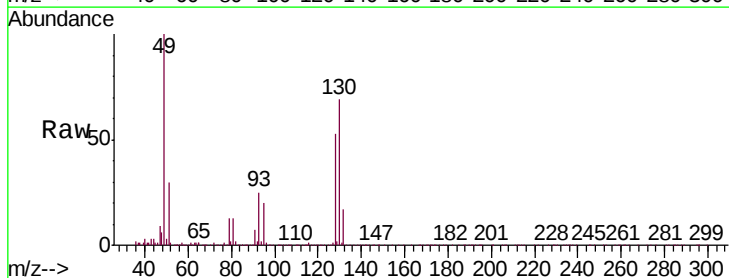
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	90.6	168.3
68	0.3	0.3	0.7#

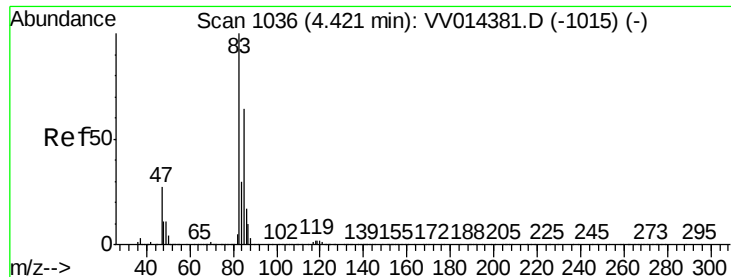


#23

Bromochloromethane
 Concen: 4.703 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.8	117.5	218.1
130	130.3	93.7	173.9
51	57.2	42.0	63.0

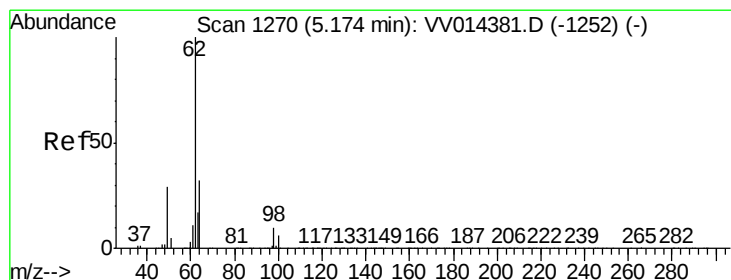
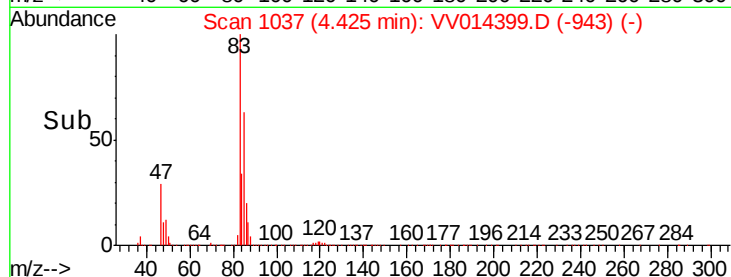
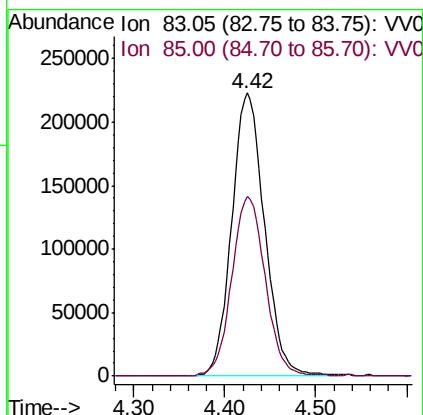
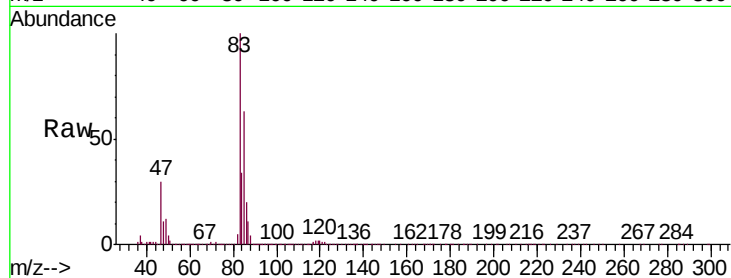




#25
Chloroform
Concen: 4.901 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

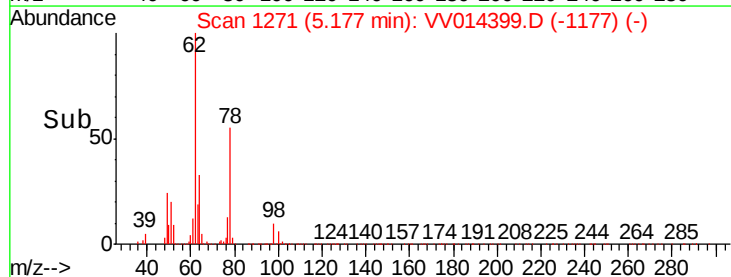
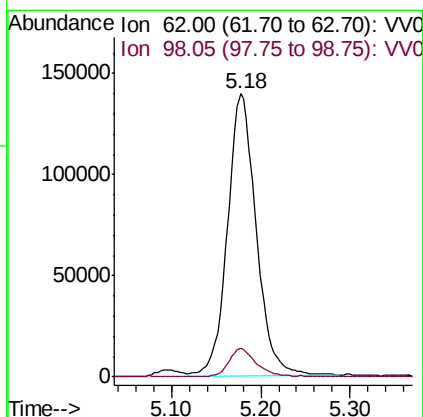
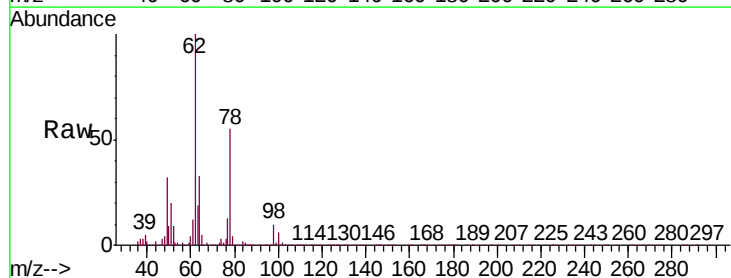
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

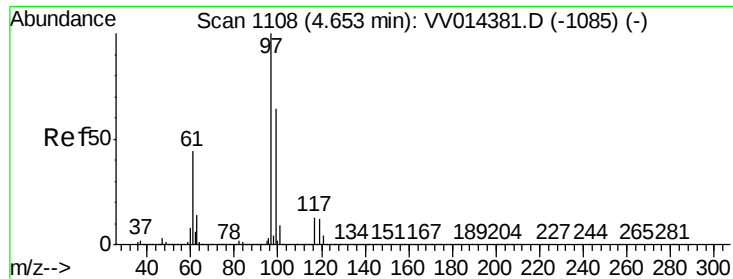
Tgt Ion: 83 Resp: 555286
Ion Ratio Lower Upper
83 100
85 63.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.592 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion: 62 Resp: 311255
Ion Ratio Lower Upper
62 100
98 10.3 9.2 13.8

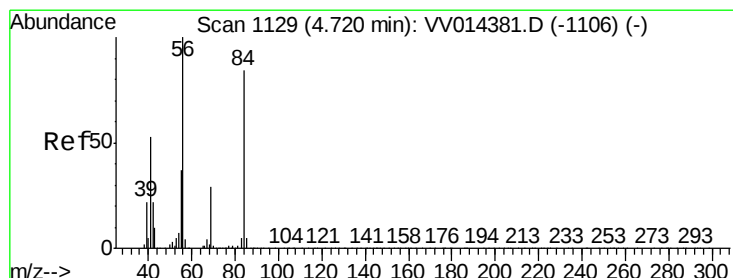
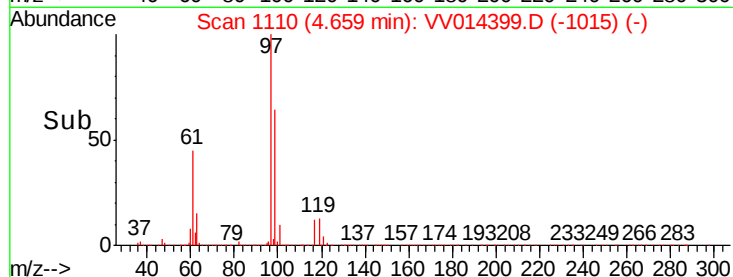
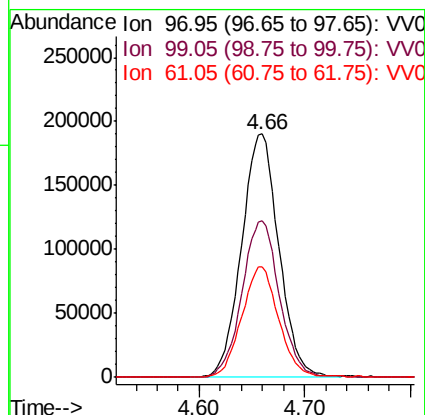
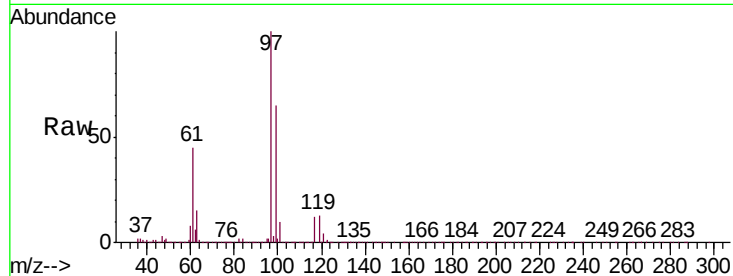




#29
 1,1,1-Trichloroethane
 Concen: 4.672 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

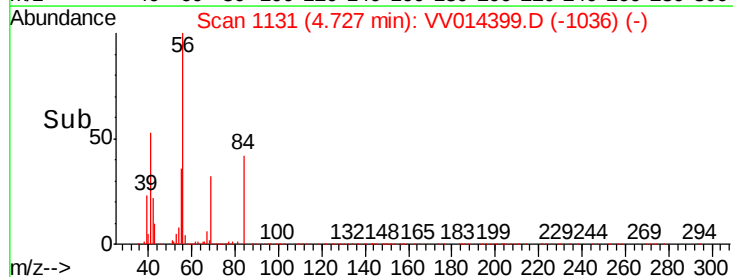
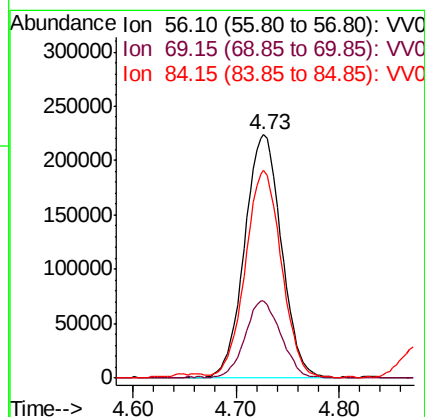
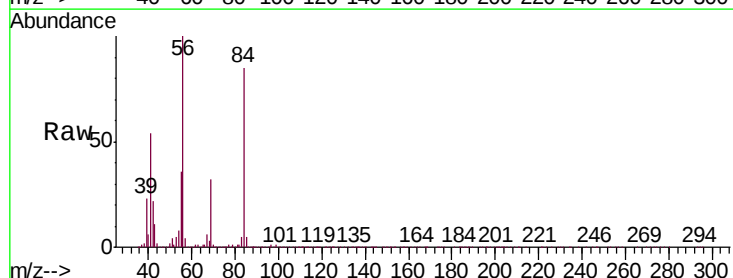
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

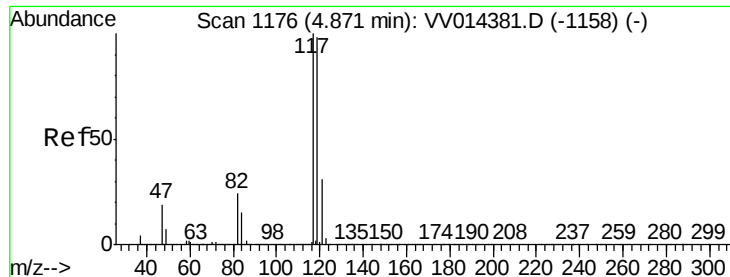
Tgt Ion: 97 Resp: 468252
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.1 76.7
 61 45.0 33.9 50.9



#30
 Cyclohexane
 Concen: 5.002 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion: 56 Resp: 553492
 Ion Ratio Lower Upper
 56 100
 69 31.0 23.9 35.9
 84 83.6 68.9 103.3

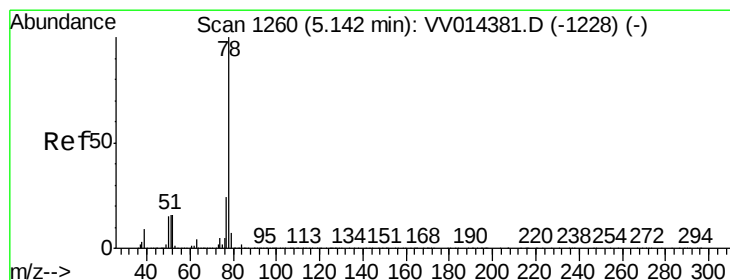
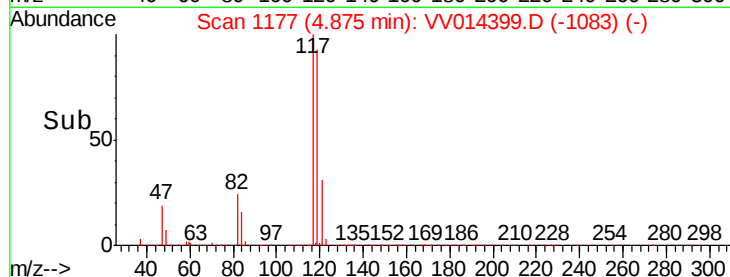
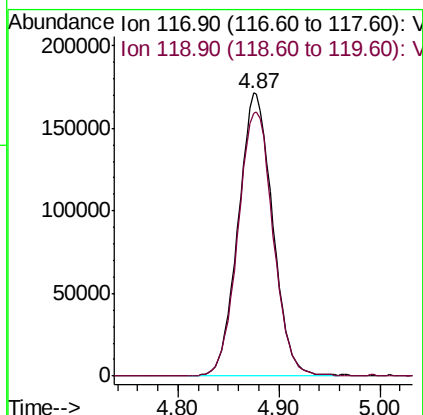
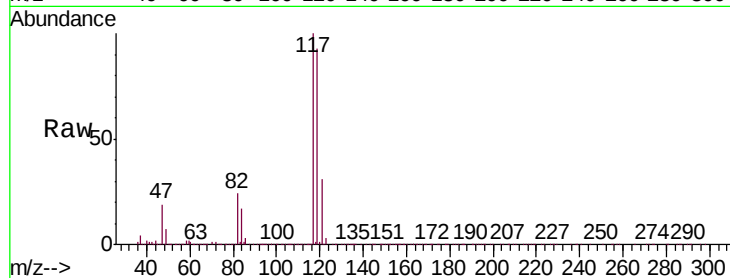




#31
Carbon tetrachloride
Concen: 4.712 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

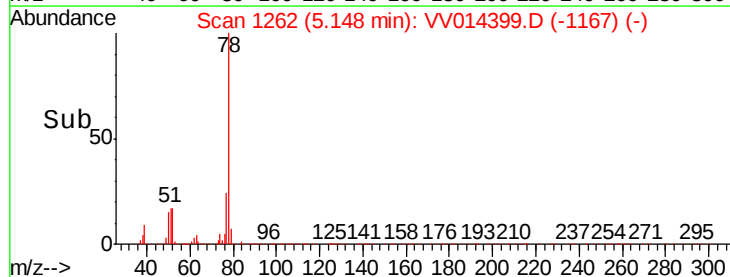
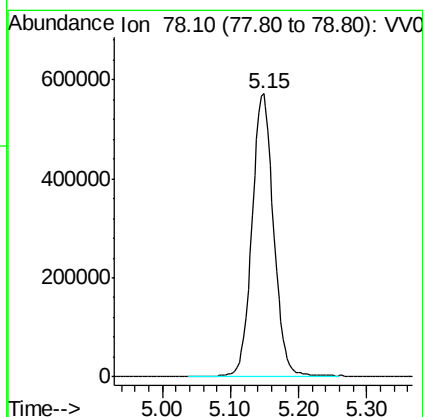
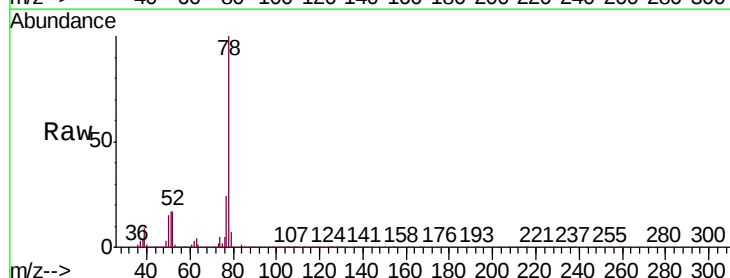
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

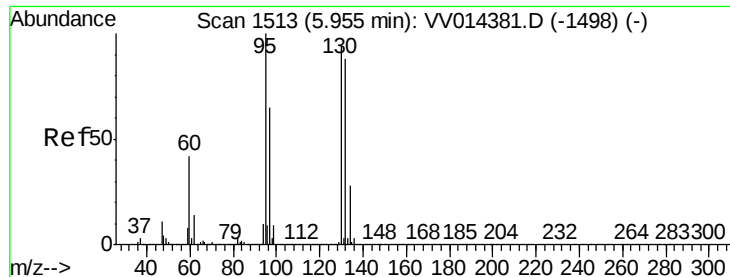
Tgt Ion:117 Resp: 404416
Ion Ratio Lower Upper
117 100
119 95.2 76.8 115.2



#33
Benzene
Concen: 4.859 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion: 78 Resp: 1259806





#34

Trichloroethene

Concen: 5.197 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

Tgt Ion: 95 Resp: 346270

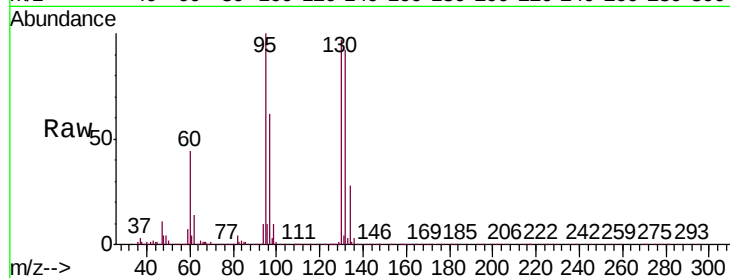
Ion Ratio Lower Upper

95 100

97 61.8 43.8 81.3

132 92.4 63.4 117.8

130 97.3 65.7 122.1

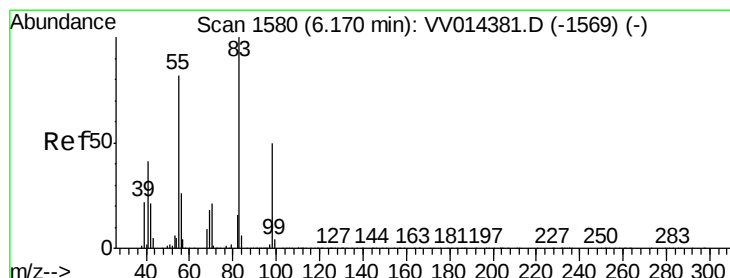
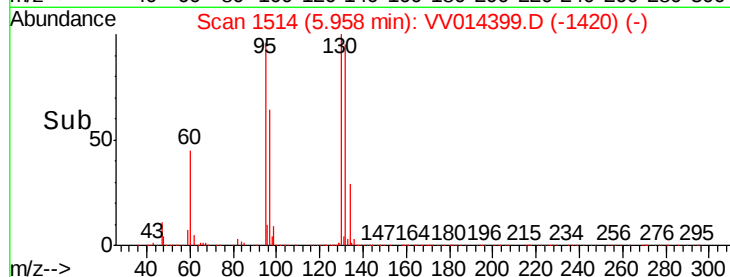
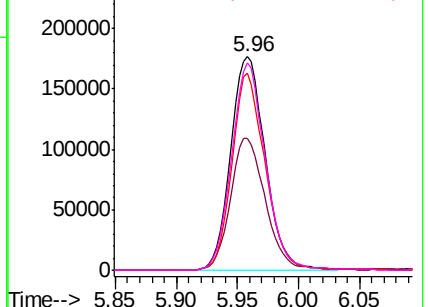


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.915 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

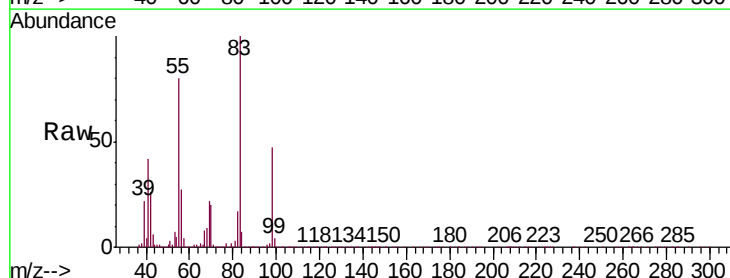
Tgt Ion: 83 Resp: 535371

Ion Ratio Lower Upper

83 100

55 80.1 61.7 92.5

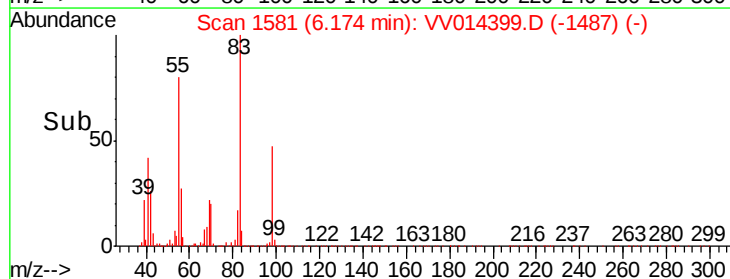
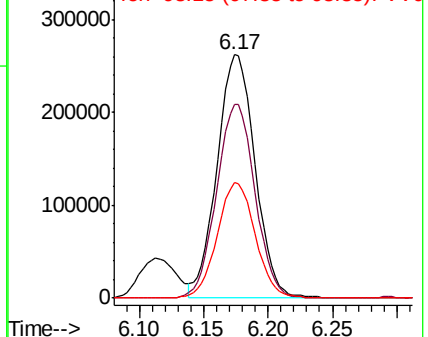
98 47.8 38.1 57.1

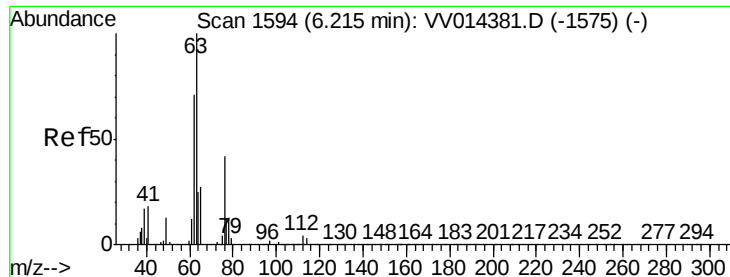


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

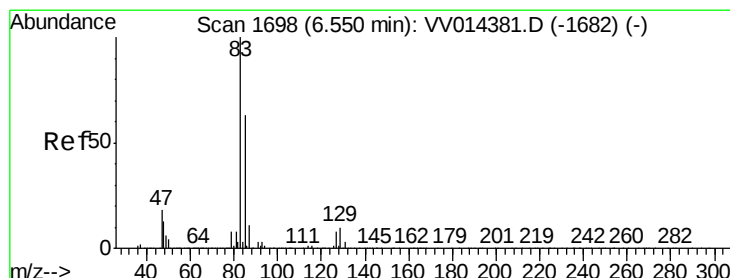
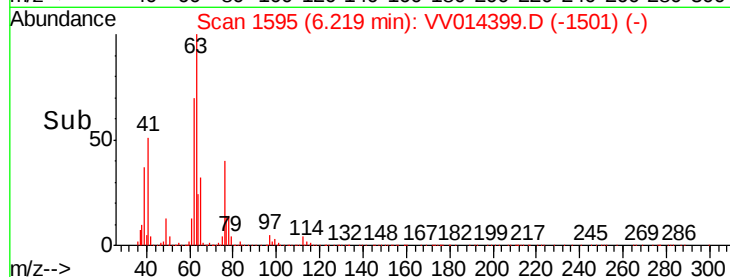
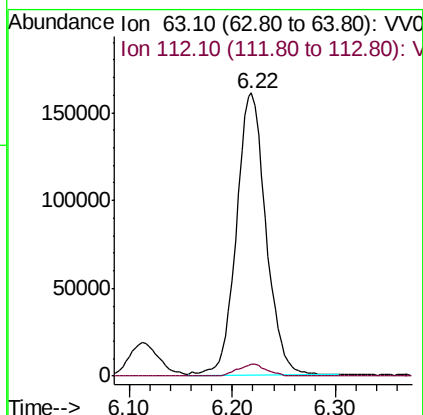
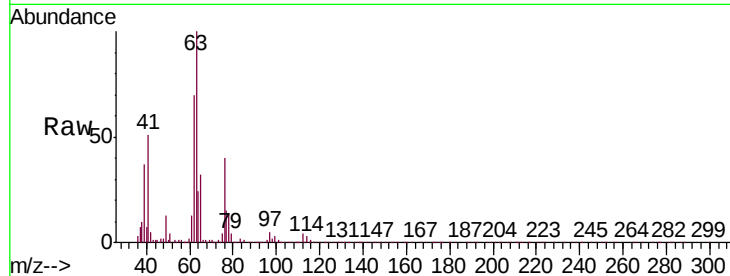




#37
 1,2-Dichloropropane
 Concen: 4.908 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

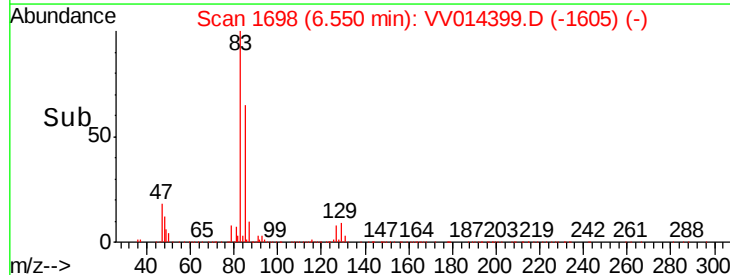
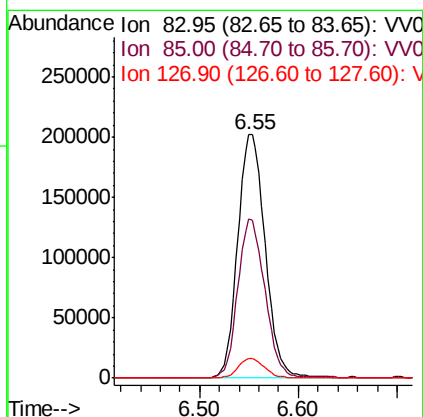
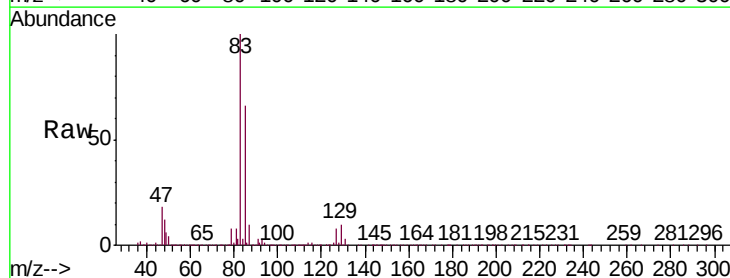
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

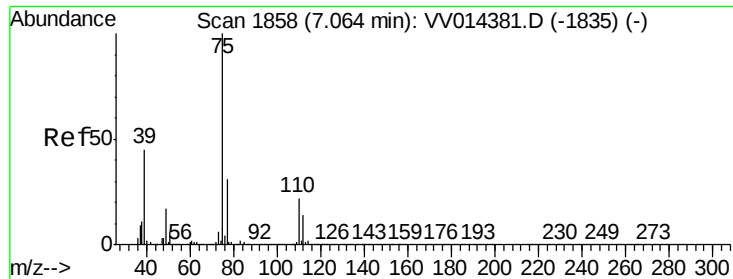
Tgt Ion: 63 Resp: 321192
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.635 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion: 83 Resp: 391158
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.4 86.2
 127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.401 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

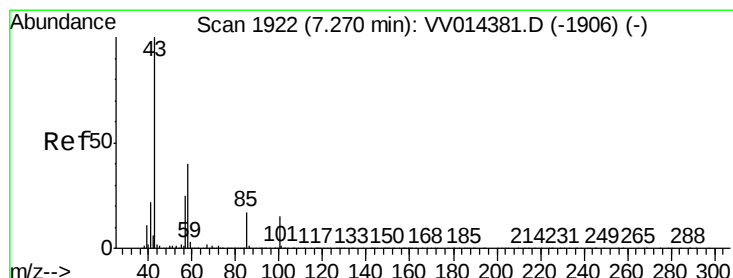
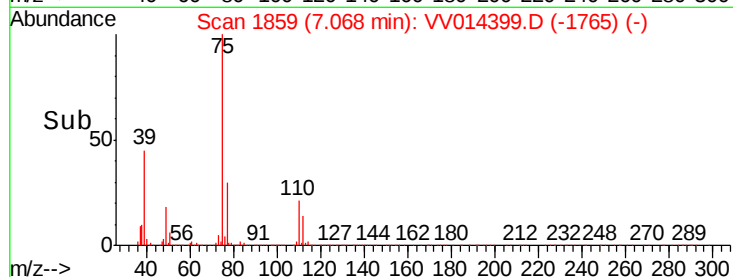
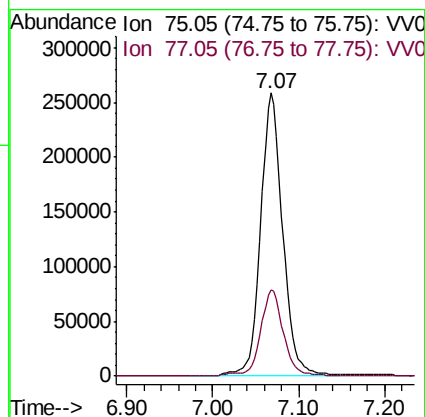
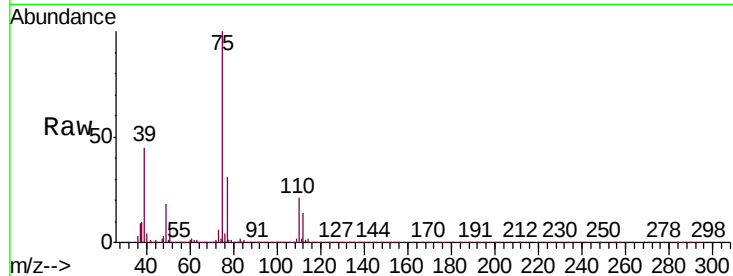
VSTD00547

Tgt Ion: 75 Resp: 466261

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 43.437 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

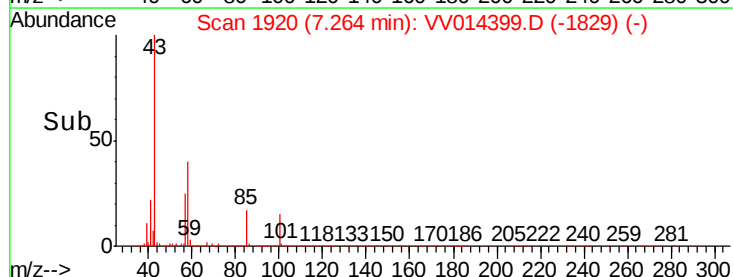
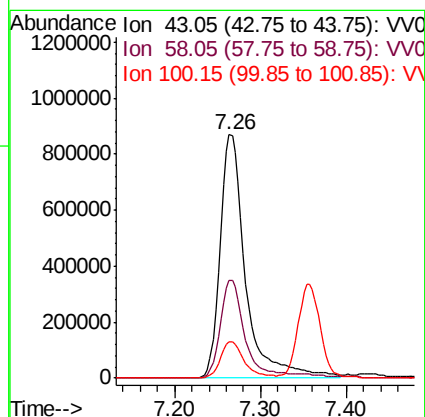
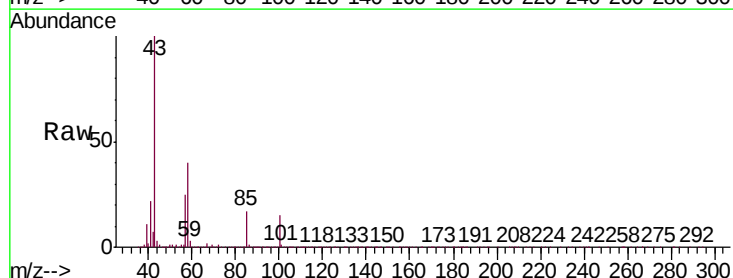
Tgt Ion: 43 Resp: 1791891

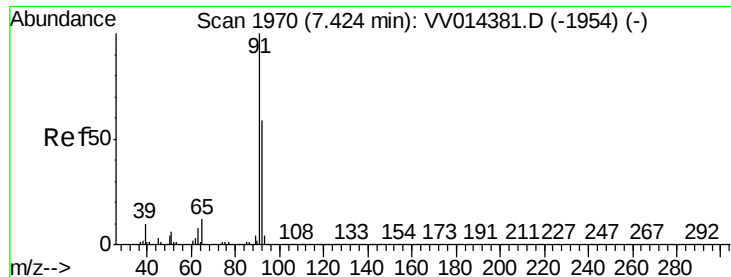
Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

100 13.9 12.2 18.2





#42

Toluene

Concen: 4.877 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

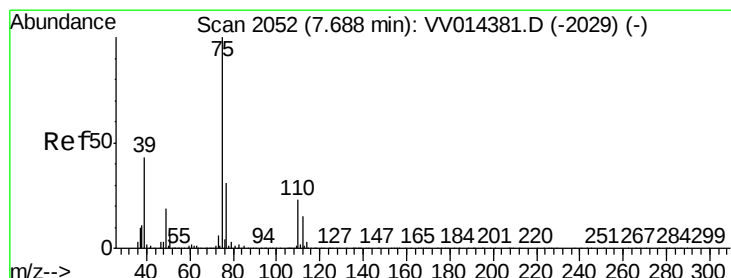
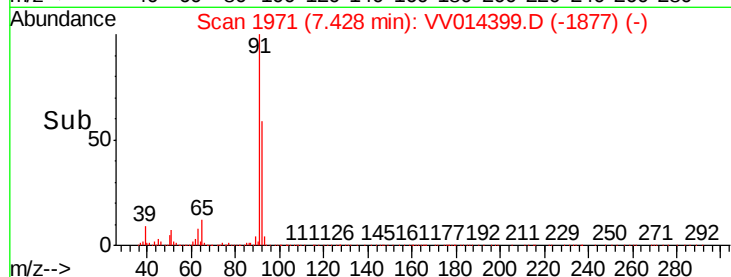
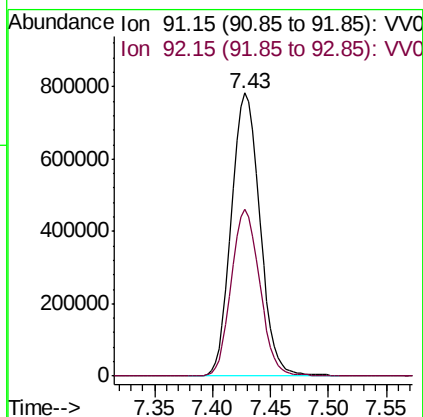
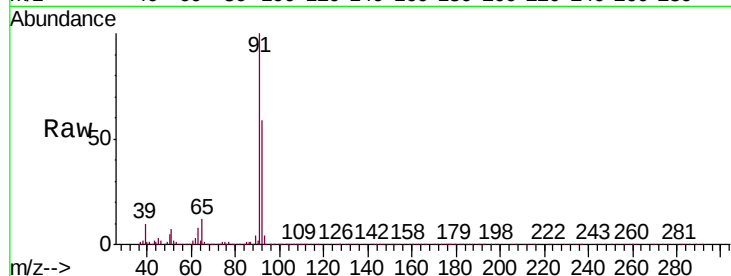
VSTD00547

Tgt Ion: 91 Resp: 1334704

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.320 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014399.D

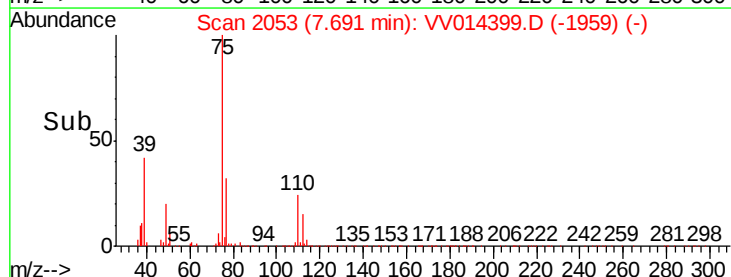
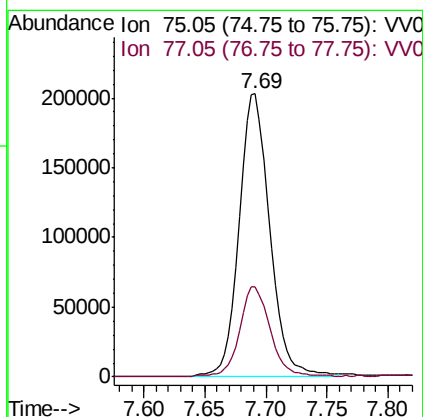
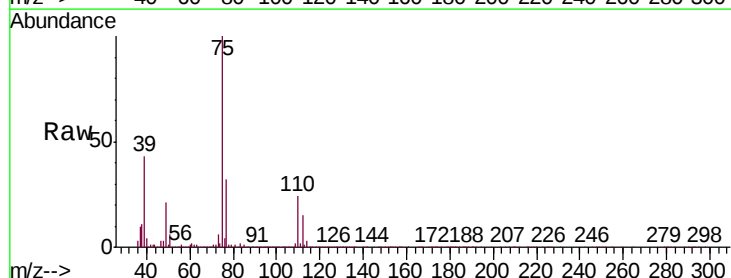
Acq: 24 Jan 2020 19:58

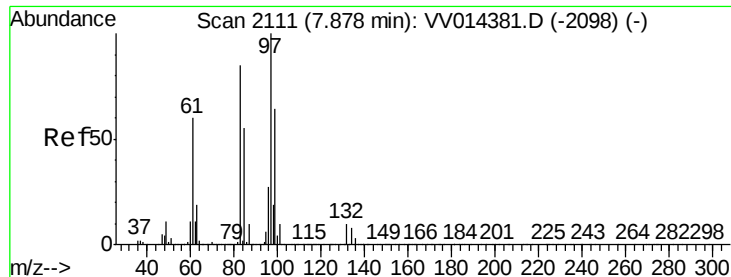
Tgt Ion: 75 Resp: 351516

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0

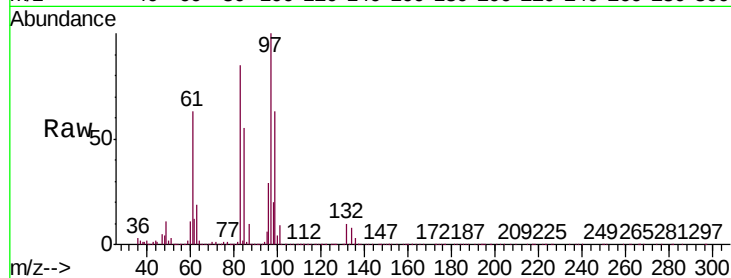




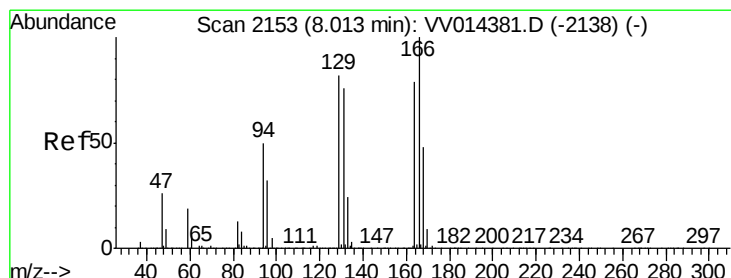
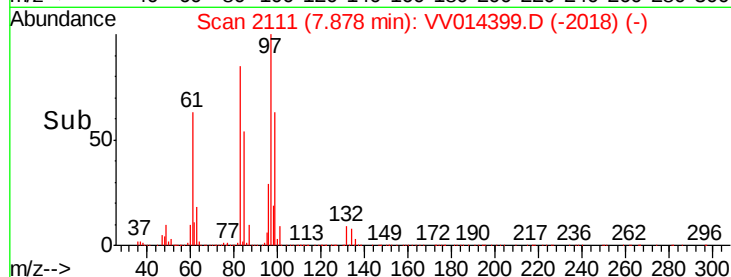
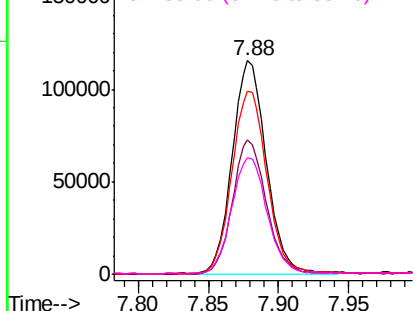
#45
 1,1,2-Trichloroethane
 Concen: 4.683 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	97	Resp:	195781
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.7	81.1
83	85.5	60.0	111.4
85	54.5	39.2	72.8

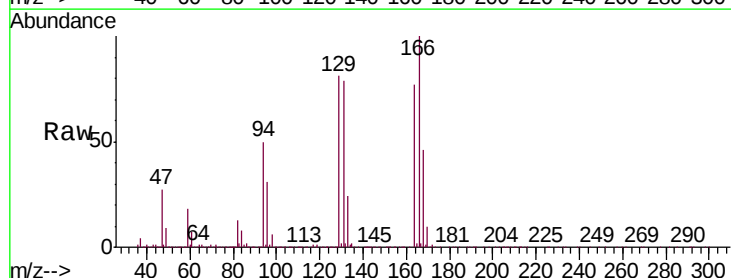


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

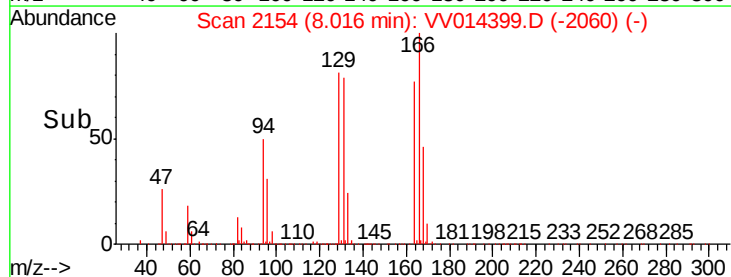
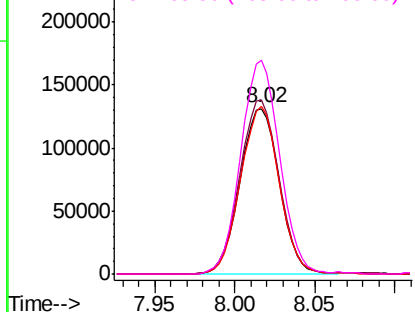


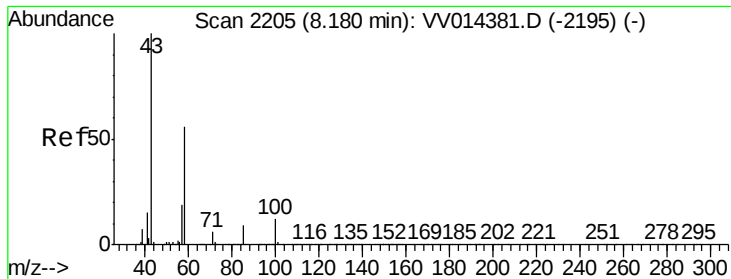
#47
 Tetrachloroethene
 Concen: 4.835 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion:	164	Resp:	220075
Ion	Ratio	Lower	Upper
164	100		
129	105.3	71.7	133.3
131	101.8	70.4	130.8
166	129.3	90.3	167.7



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



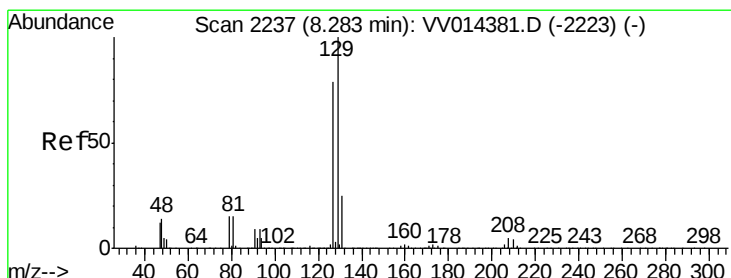
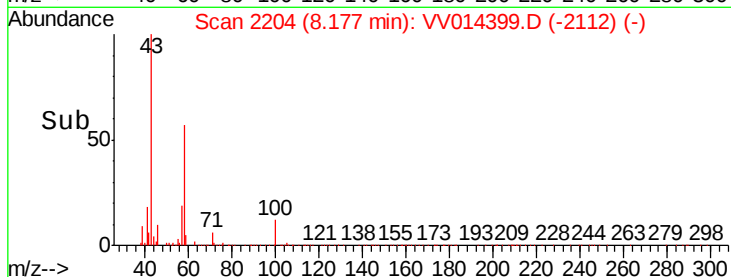
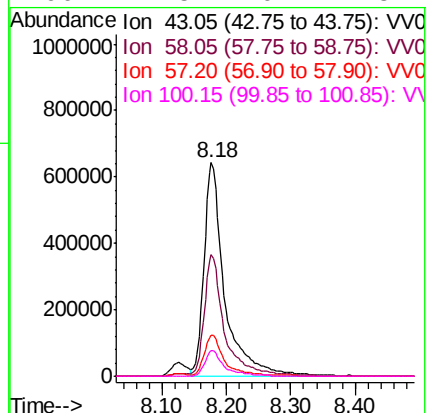
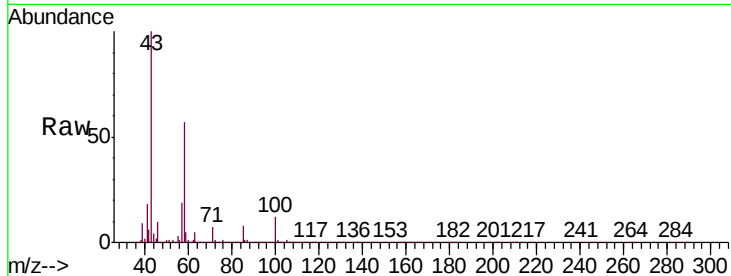


#48
2-Hexanone
Concen: 49.772 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion: 43 Resp: 1420176

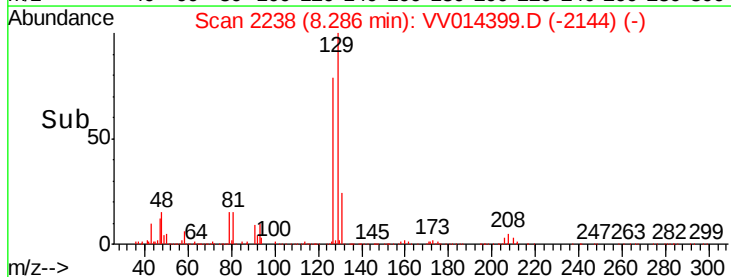
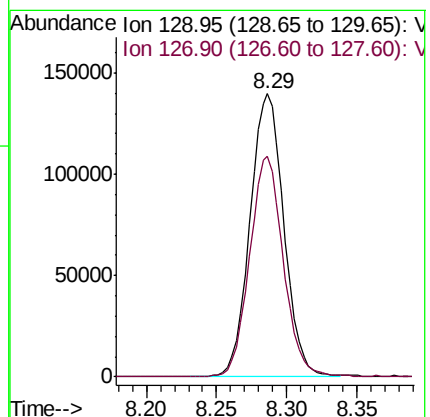
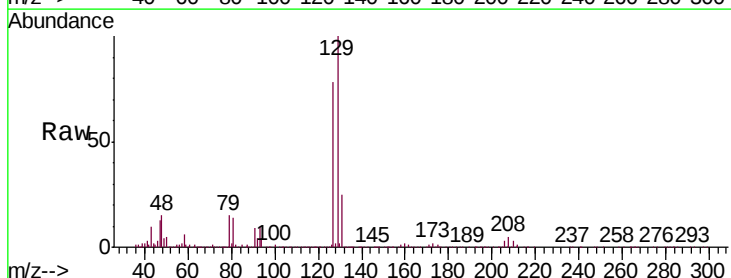
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.4	68.0
57	19.4	15.8	23.8
100	11.5	10.2	15.4

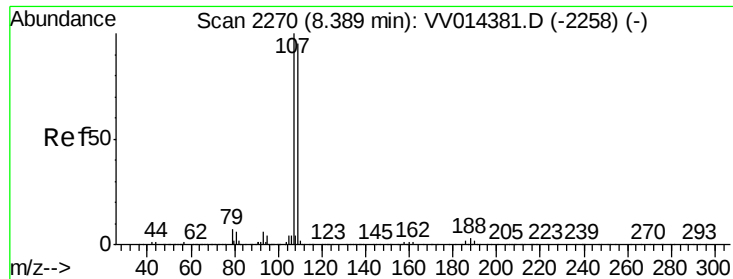


#49
Dibromochloromethane
Concen: 4.438 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion: 129 Resp: 234549

Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.7	103.5

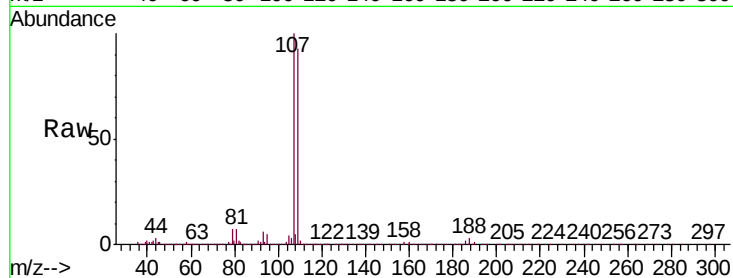




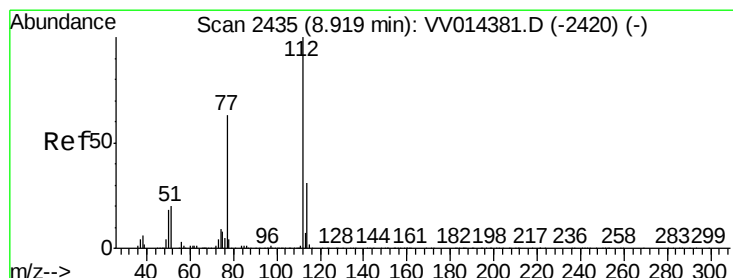
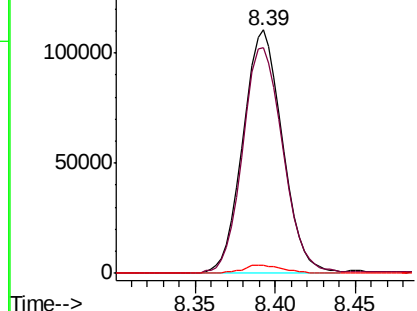
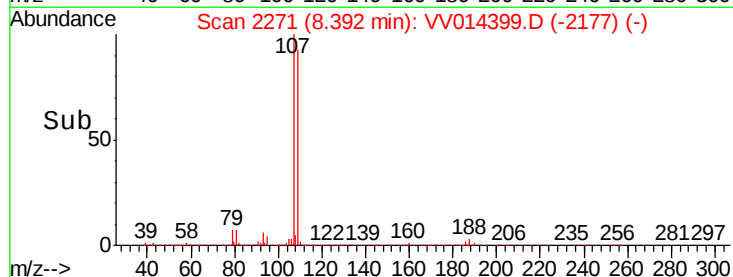
#50
1,2-Dibromoethane
Concen: 4.545 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	63.0	117.0
188	3.2	3.0	4.4

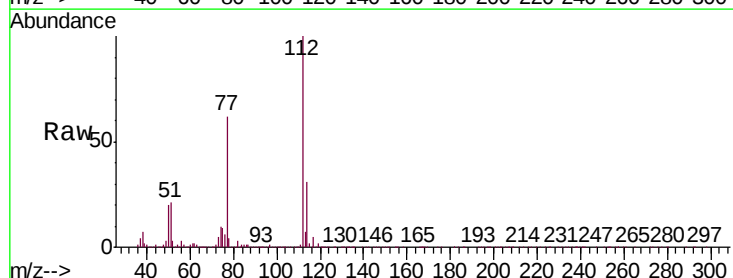


Abundance Ion 106.95 (106.65 to 107.65): V
150000
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

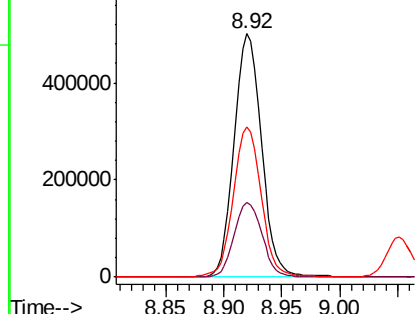
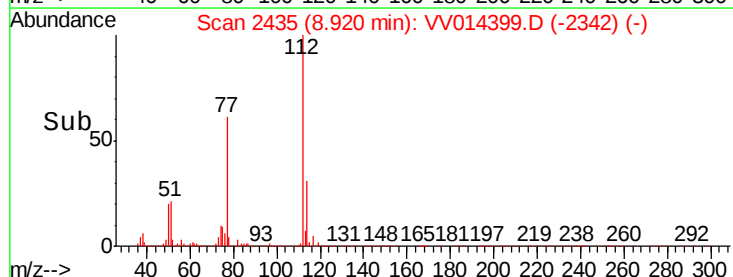


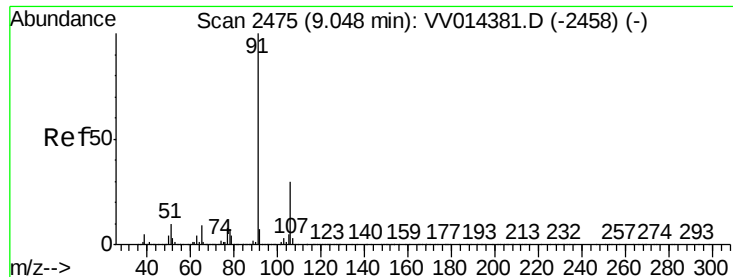
#51
Chlorobenzene
Concen: 4.866 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.5	41.7
77	61.6	49.3	73.9



Abundance Ion 112.10 (111.80 to 112.80): V
600000
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.961 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

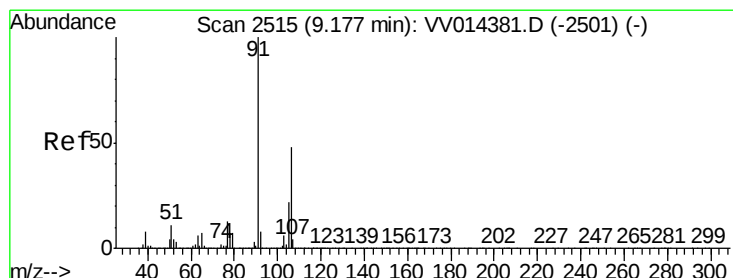
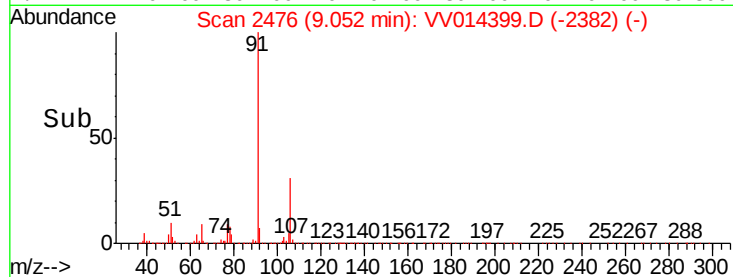
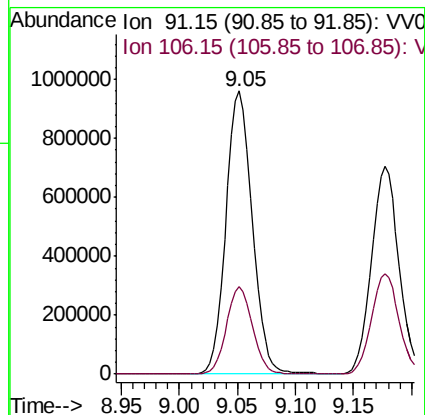
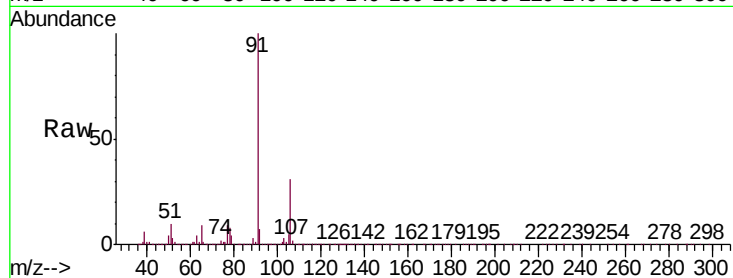
VSTD00547

Tgt Ion: 91 Resp: 1518853

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 4.967 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014399.D

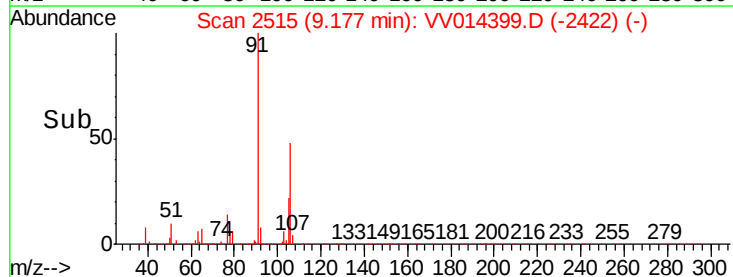
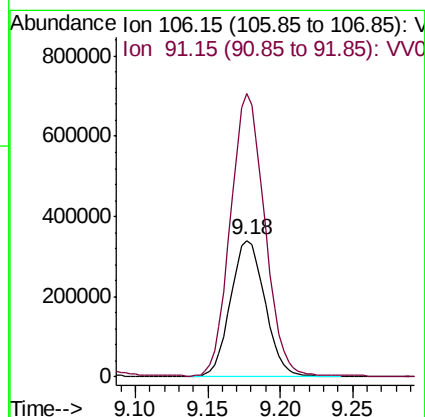
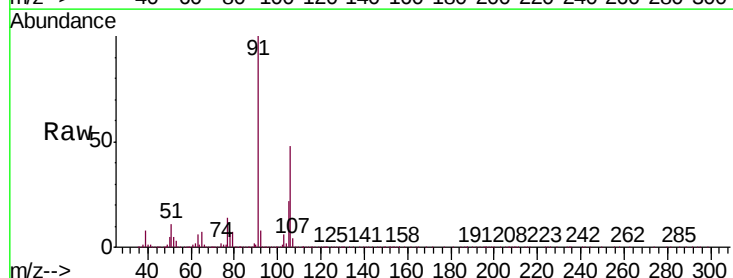
Acq: 24 Jan 2020 19:58

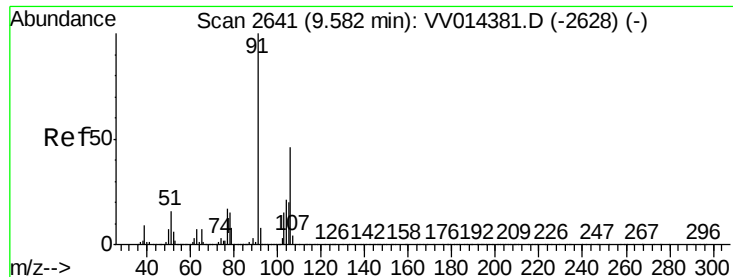
Tgt Ion: 106 Resp: 561053

Ion Ratio Lower Upper

106 100

91 207.3 146.8 272.6

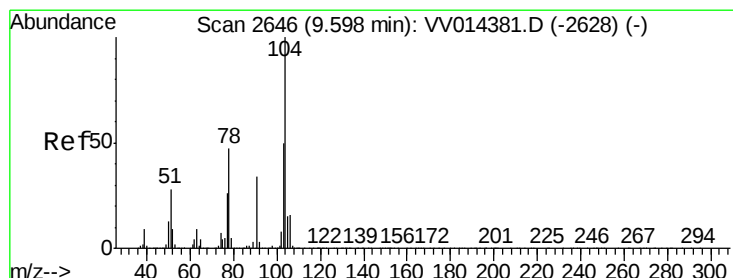
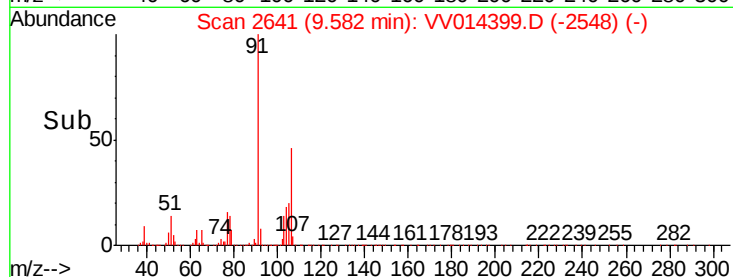
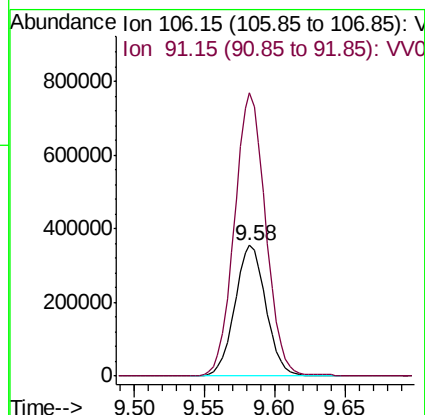
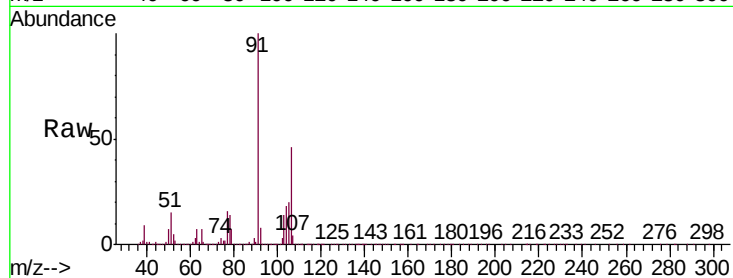




#54
o-xylene
Concen: 4.916 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

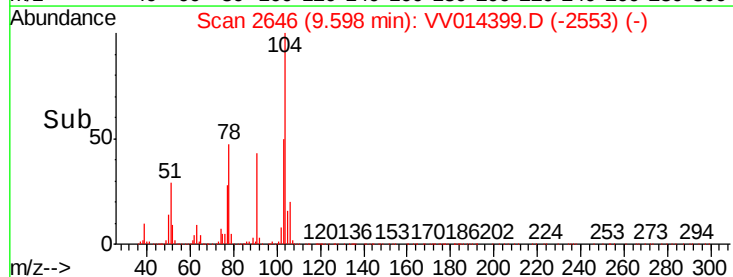
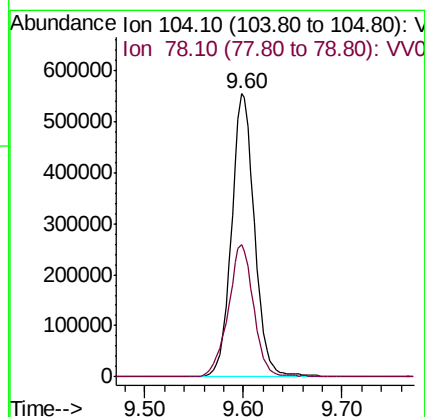
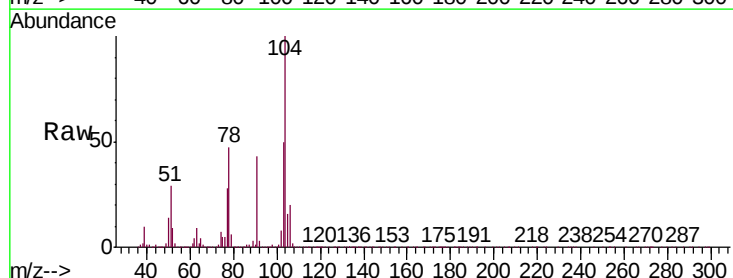
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

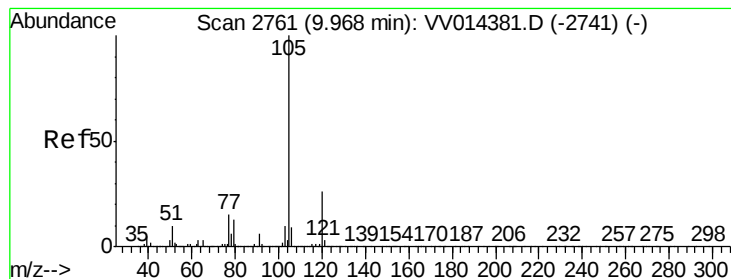
Tgt Ion:106 Resp: 546027
Ion Ratio Lower Upper
106 100
91 216.1 150.9 280.3



#55
Styrene
Concen: 4.796 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014399.D
Acq: 24 Jan 2020 19:58

Tgt Ion:104 Resp: 902434
Ion Ratio Lower Upper
104 100
78 47.0 31.7 58.9





#56

Isopropylbenzene

Concen: 5.029 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

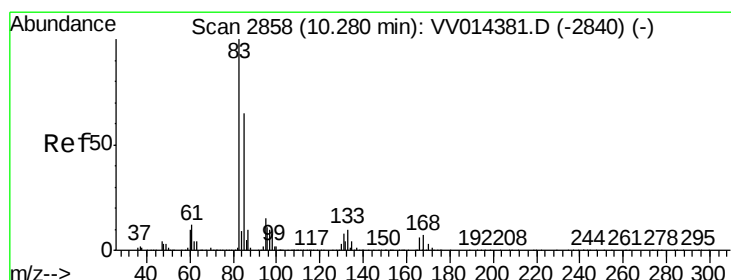
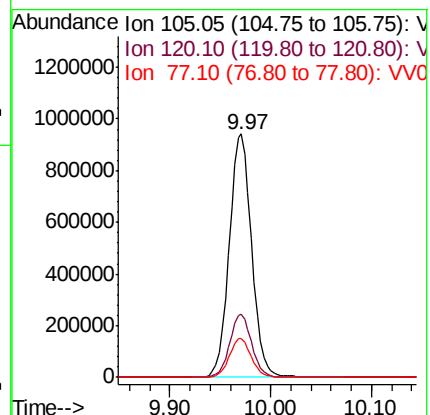
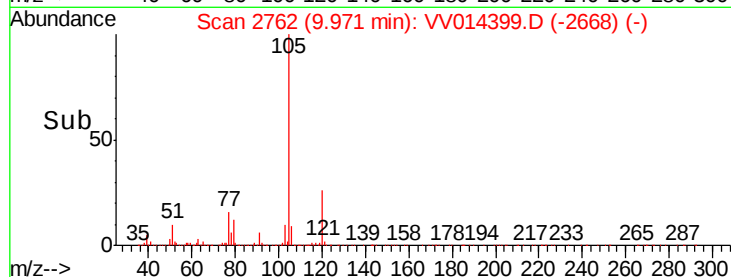
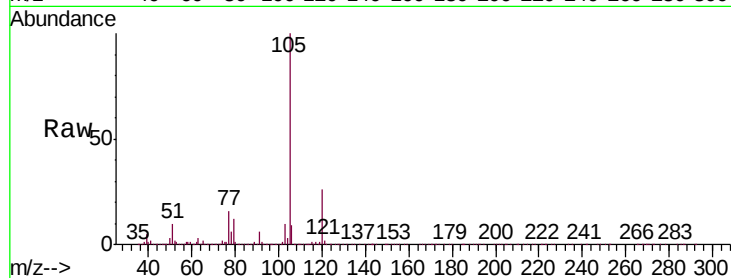
Tgt Ion:105 Resp: 1457119

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.713 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

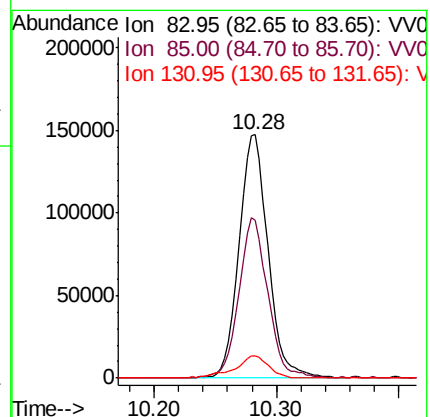
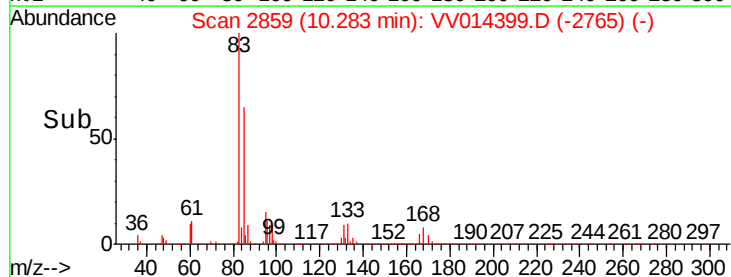
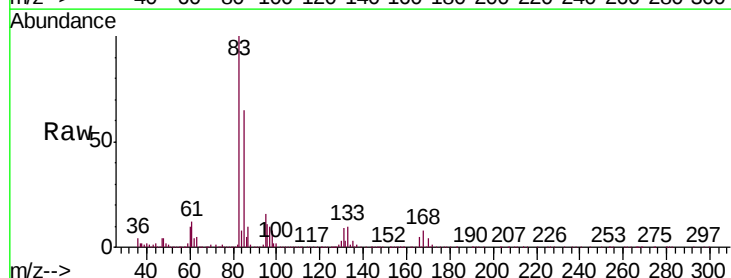
Tgt Ion: 83 Resp: 242970

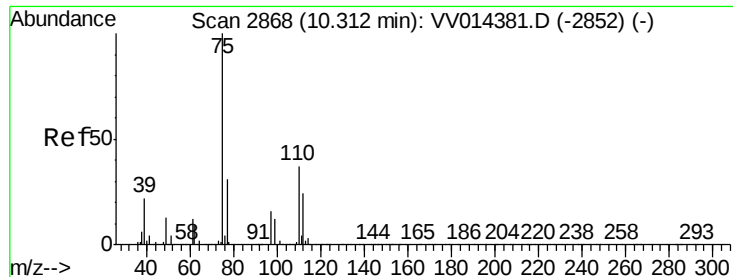
Ion Ratio Lower Upper

83 100

85 65.0 45.9 85.3

131 9.3 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 4.543 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

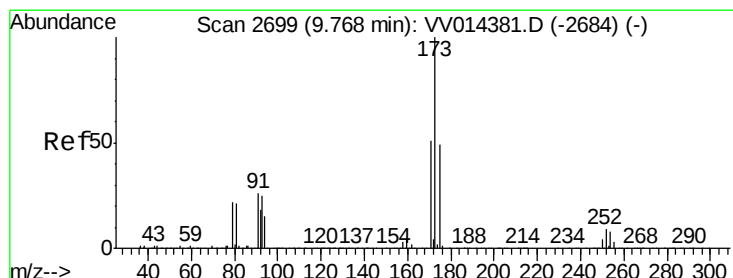
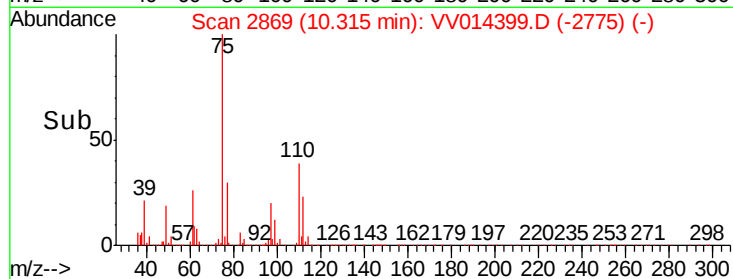
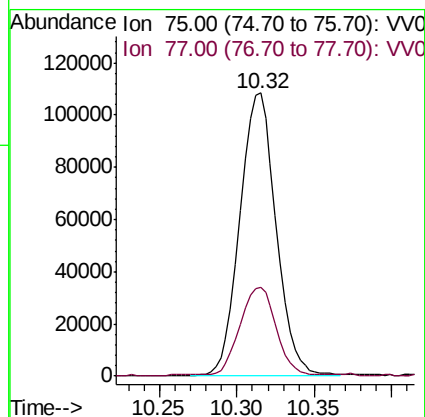
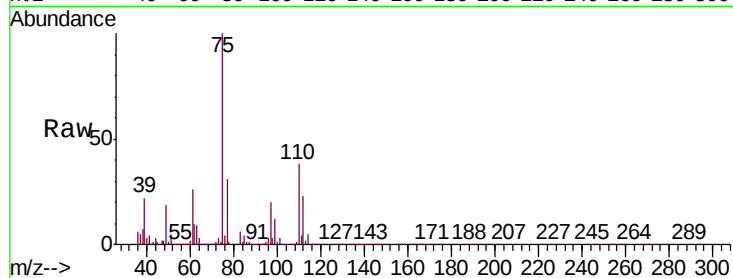
VSTD00547

Tgt Ion: 75 Resp: 177151

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5



#61

Bromoform

Concen: 4.382 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

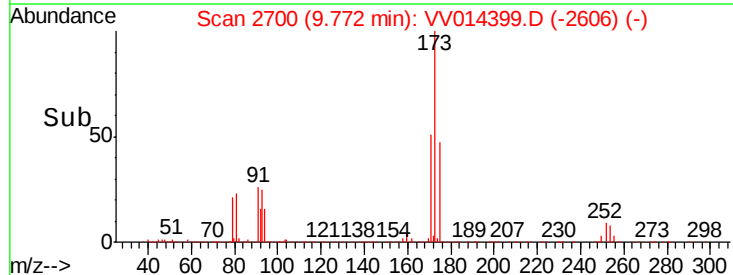
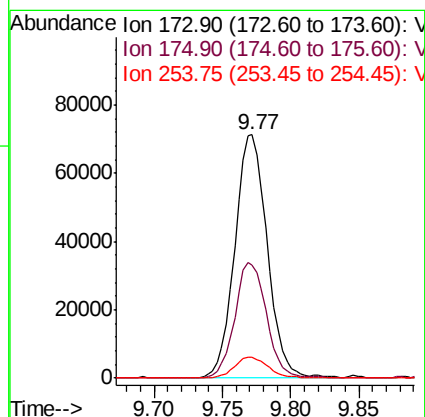
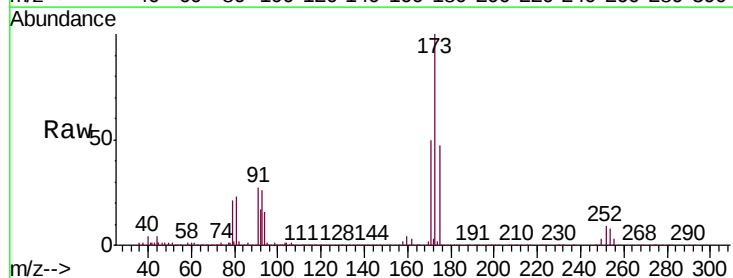
Tgt Ion: 173 Resp: 117842

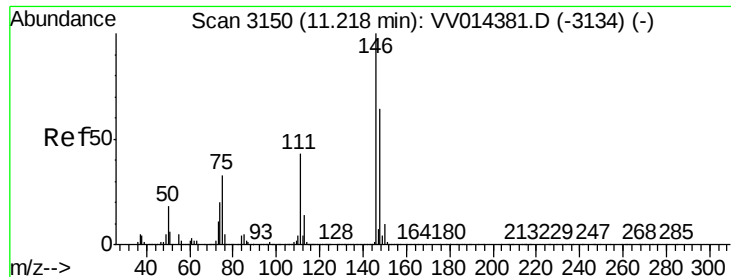
Ion Ratio Lower Upper

173 100

175 46.3 37.9 56.9

254 8.9 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

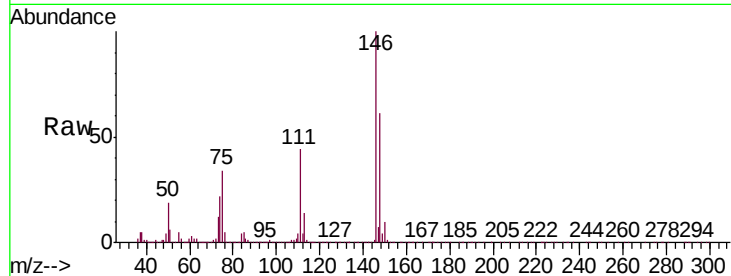
Tgt Ion:146 Resp: 609514

Ion Ratio Lower Upper

146 100

111 44.2 30.7 57.1

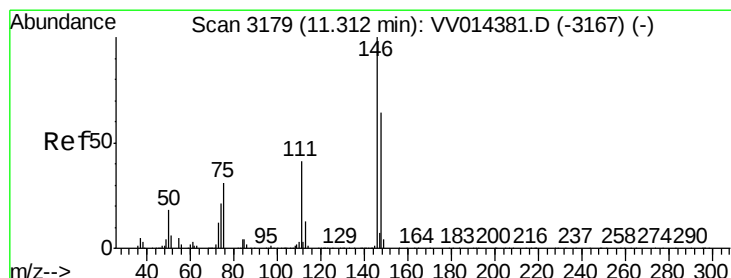
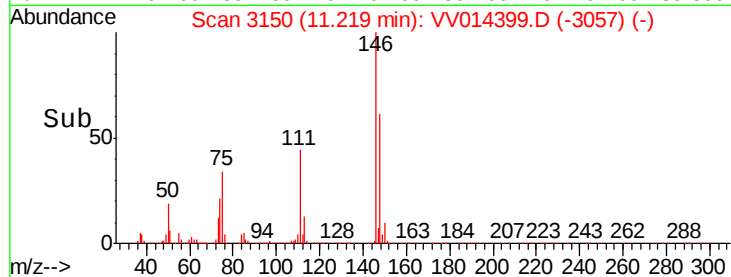
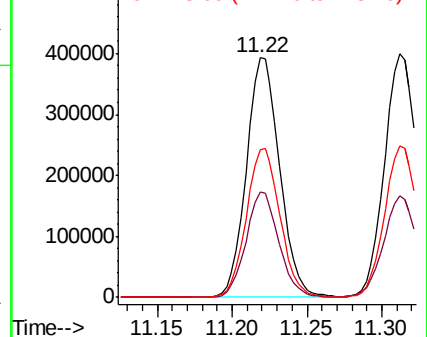
148 61.3 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.040 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

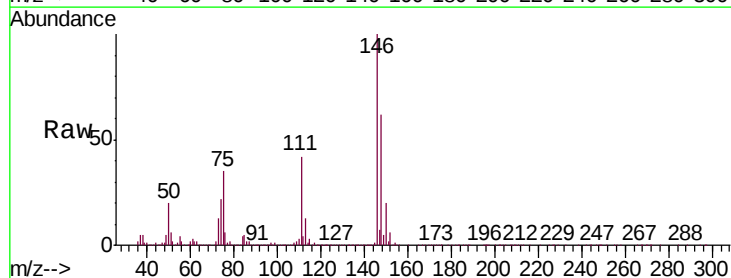
Tgt Ion:146 Resp: 621605

Ion Ratio Lower Upper

146 100

111 41.5 28.8 53.4

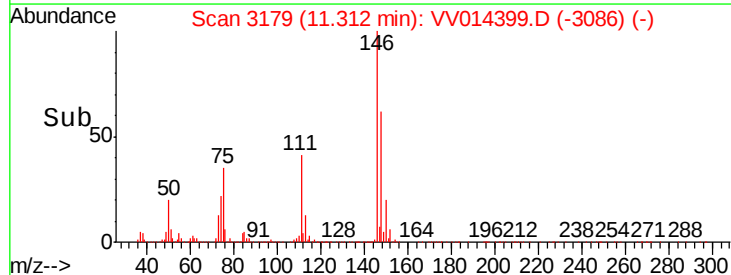
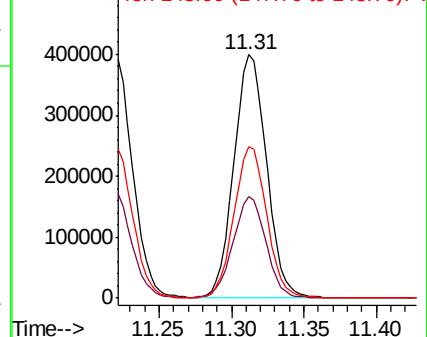
148 62.1 44.5 82.7

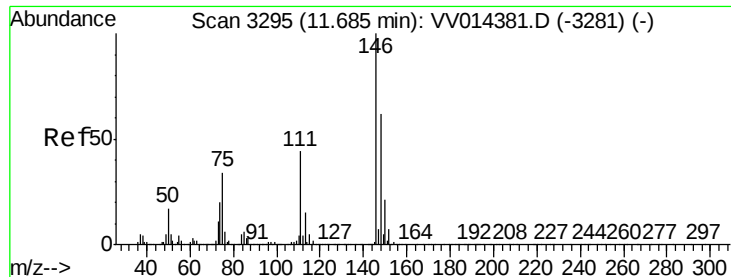


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

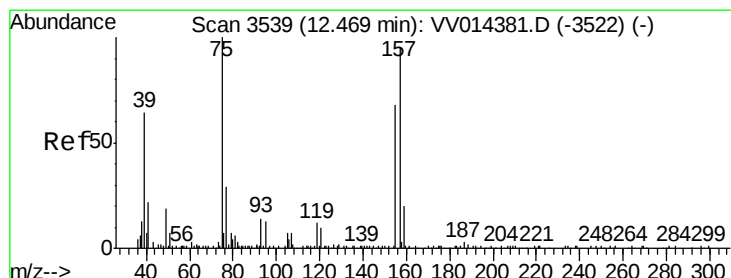
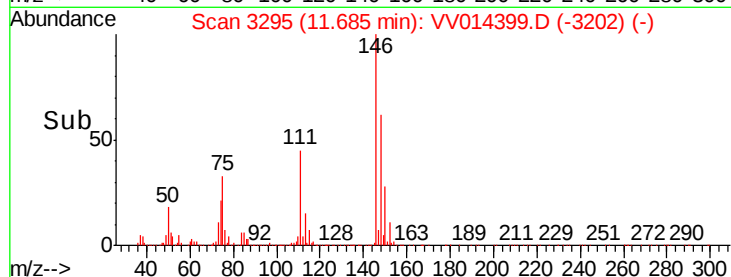
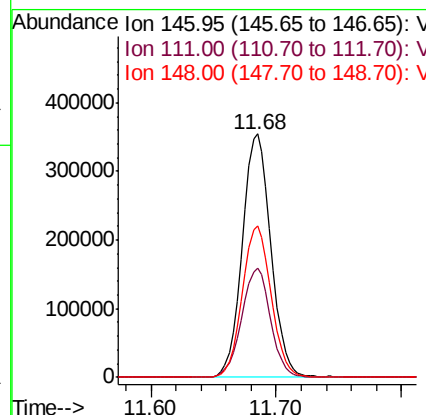
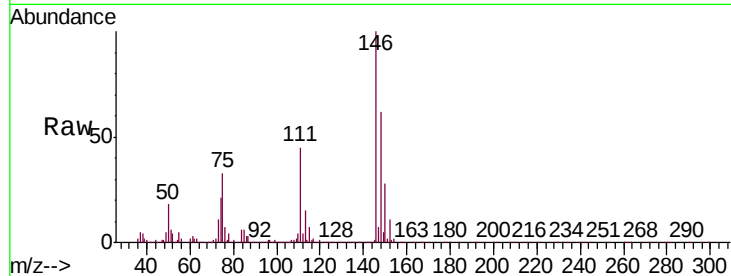




#65
 1,2-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

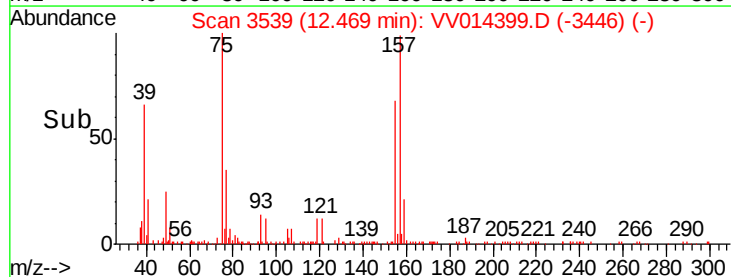
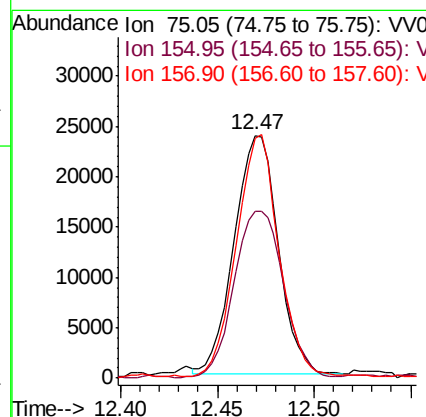
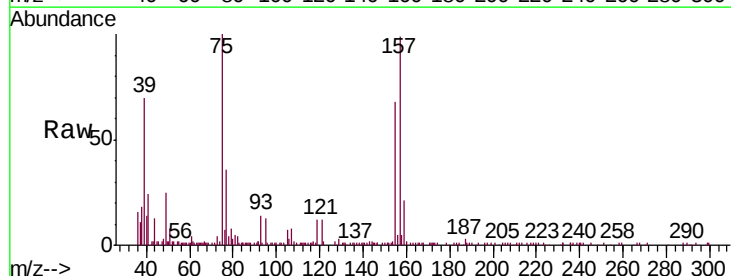
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

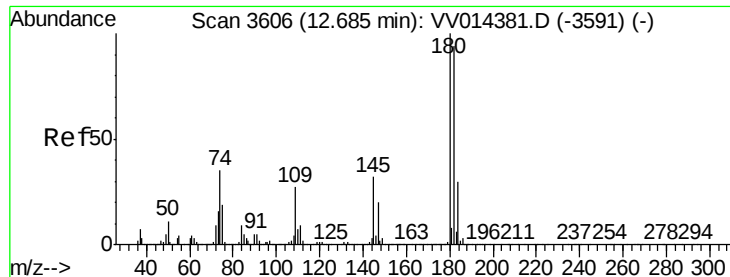
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	36.4	54.6
148	62.1	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.618 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	56.9	85.3
157	98.8	82.0	123.0

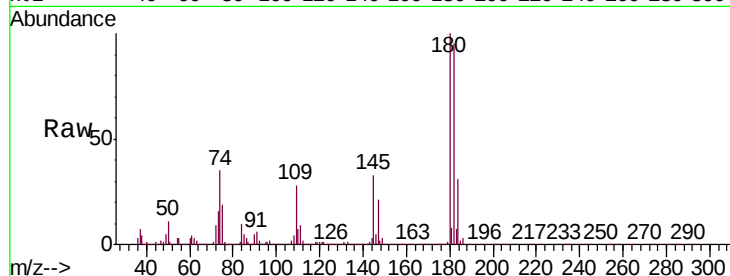




#67
 1,3,5-Trichlorobenzene
 Concen: 4.844 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	180	Resp:	436888
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.2	115.8
184	30.3	24.6	36.8
145	33.0	26.9	40.3



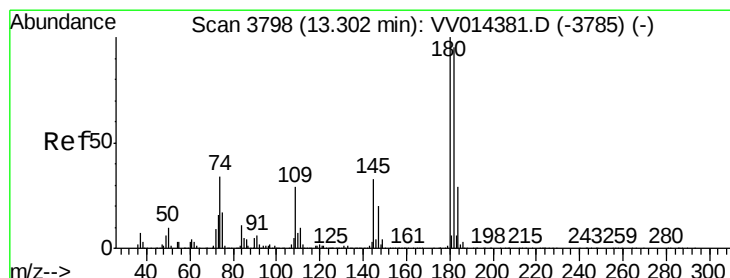
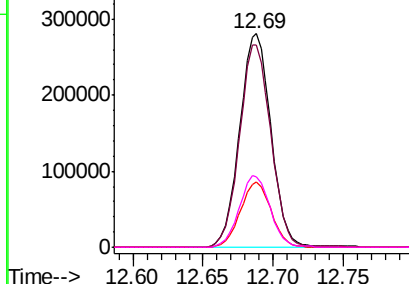
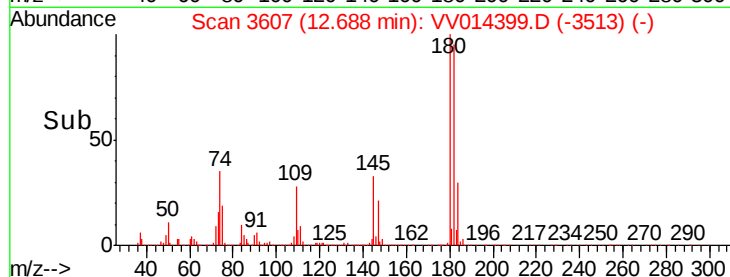
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

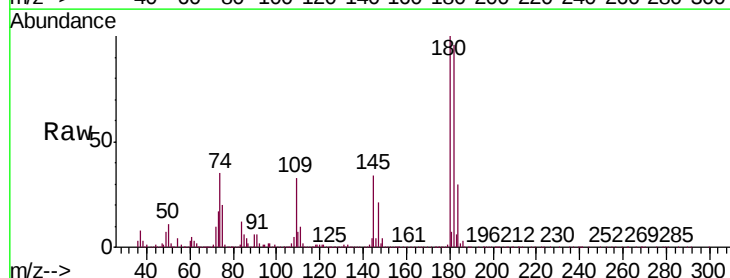
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.614 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014399.D
 Acq: 24 Jan 2020 19:58

Tgt Ion:	180	Resp:	364984
Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.2	112.8
145	33.8	26.2	39.4

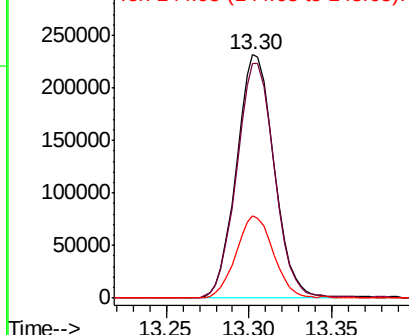
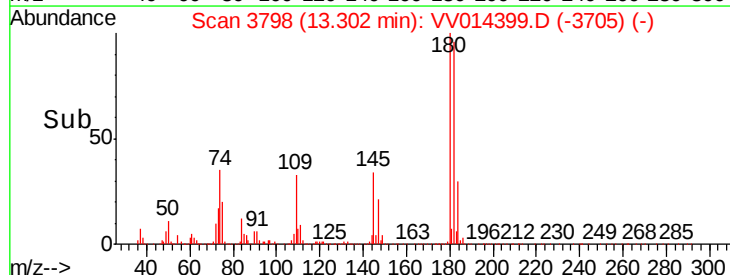


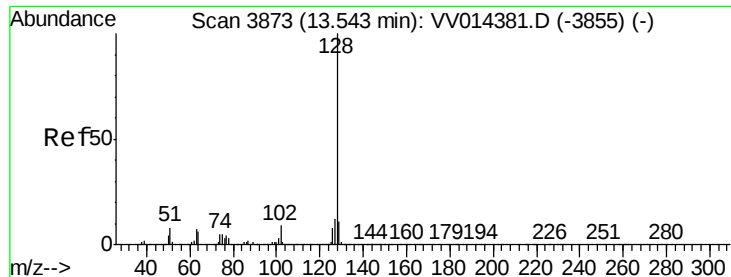
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.221 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

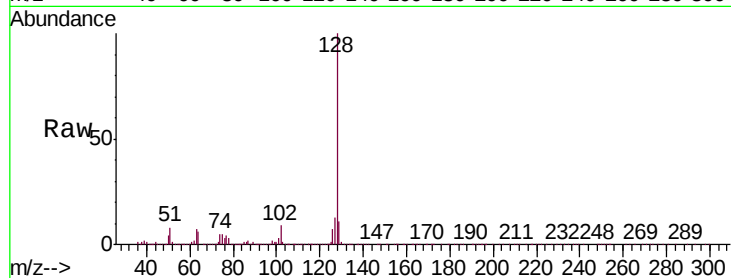
Tgt Ion:128 Resp: 678433

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

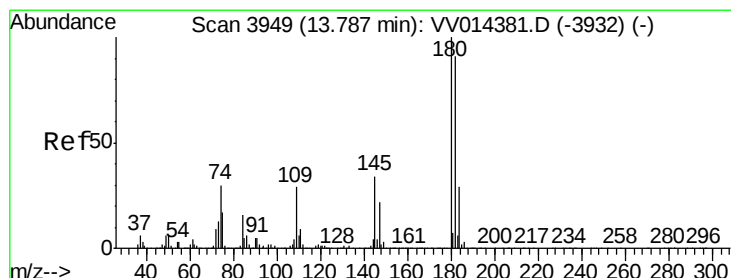
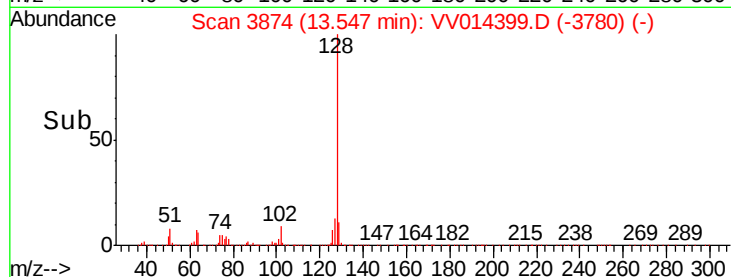
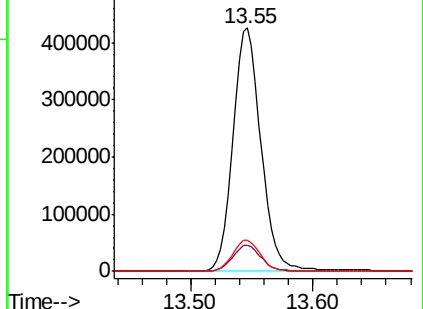
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.645 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014399.D

Acq: 24 Jan 2020 19:58

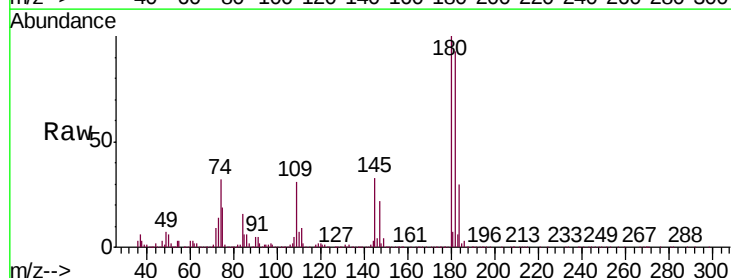
Tgt Ion:180 Resp: 323338

Ion Ratio Lower Upper

180 100

182 92.9 74.8 112.2

145 34.1 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

