

Data File : VV013581.D
Acq On : 11 Nov 2019 16:12
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Nov 12 07:47:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 12 07:44:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421782	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	414766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	236678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	72798	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.58	69	69308	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	156662	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	3.96	46	362779	56.93	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.86%
24) Chloroform-d	4.40	84	215388	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	123761	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.09	84	395604	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.11	67	135430	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	343907	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.66	79	56104	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.13	63	281811	64.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	125653	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	180153	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	193953	4.700	ug/L	99
3) Chloromethane	1.25	50	172336	4.672	ug/L	97
5) Vinyl chloride	1.32	62	163561	4.607	ug/L	98
6) Bromomethane	1.53	94	84302	4.509	ug/L	96
8) Chloroethane	1.60	64	86100	4.392	ug/L	96
9) Trichlorofluoromethane	1.76	101	230879	4.831	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	127185	4.748	ug/L	99
12) 1,1-Dichloroethene	2.13	96	123002	4.849	ug/L	94
13) Acetone	2.22	43	216511	56.002	ug/L	93
14) Carbon disulfide	2.31	76	409167	5.367	ug/L	99
15) Methyl Acetate	2.47	43	63581	5.500	ug/L	93
16) Methylene chloride	2.53	84	154039	4.636	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	331278	4.943	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	147866	4.698	ug/L	98
19) 1,1-Dichloroethane	3.23	63	279039	4.751	ug/L	97
21) 2-Butanone	4.04	43	399820	56.539	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	154869	4.771	ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	74173	4.935	ug/L	96
25) Chloroform	4.42	83	322389	5.034	ug/L	94
27) 1,2-Dichloroethane	5.18	62	170689	4.936	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	241609	4.698	ug/L	99
30) Cyclohexane	4.72	56	235417	4.549	ug/L	98
31) Carbon tetrachloride	4.87	117	216942	4.704	ug/L	99
33) Benzene	5.14	78	609452	4.729	ug/L	100
34) Trichloroethene	5.96	95	159469	4.589	ug/L	98
35) Methylcyclohexane	6.17	83	239841	4.541	ug/L	98
37) 1,2-Dichloropropane	6.22	63	149423	4.714	ug/L	99
38) Bromodichloromethane	6.55	83	191952	4.691	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	208431	4.733	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	980627	53.786	ug/L	99
42) Toluene	7.43	91	654034	4.880	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	171751	4.960	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	108003	4.958	ug/L	99
47) Tetrachloroethene	8.01	164	147591	4.858	ug/L	98
48) 2-Hexanone	8.18	43	733887	56.851	ug/L	99
49) Dibromochloromethane	8.29	129	136030	5.006	ug/L	96
50) 1,2-Dibromoethane	8.39	107	102257	5.027	ug/L	99
51) Chlorobenzene	8.92	112	423721	4.792	ug/L	98
52) Ethylbenzene	9.05	91	693100	4.827	ug/L	98
53) m,p-xylene	9.18	106	265423	4.956	ug/L	99
54) o-xylene	9.58	106	256602	4.988	ug/L	98
55) Styrene	9.60	104	453361	5.197	ug/L	98
56) Isopropylbenzene	9.97	105	688634	4.958	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	119096	5.121	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	94548	5.025	ug/L	100
61) Bromoform	9.77	173	82059	4.892	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	362931	4.571	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	366140	4.616	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	331718	4.567	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	17544	4.743	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	284510	4.593	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	223072	4.520	ug/L	98
69) Naphthalene	13.55	128	310080	4.652	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	215928	4.661	ug/L	100

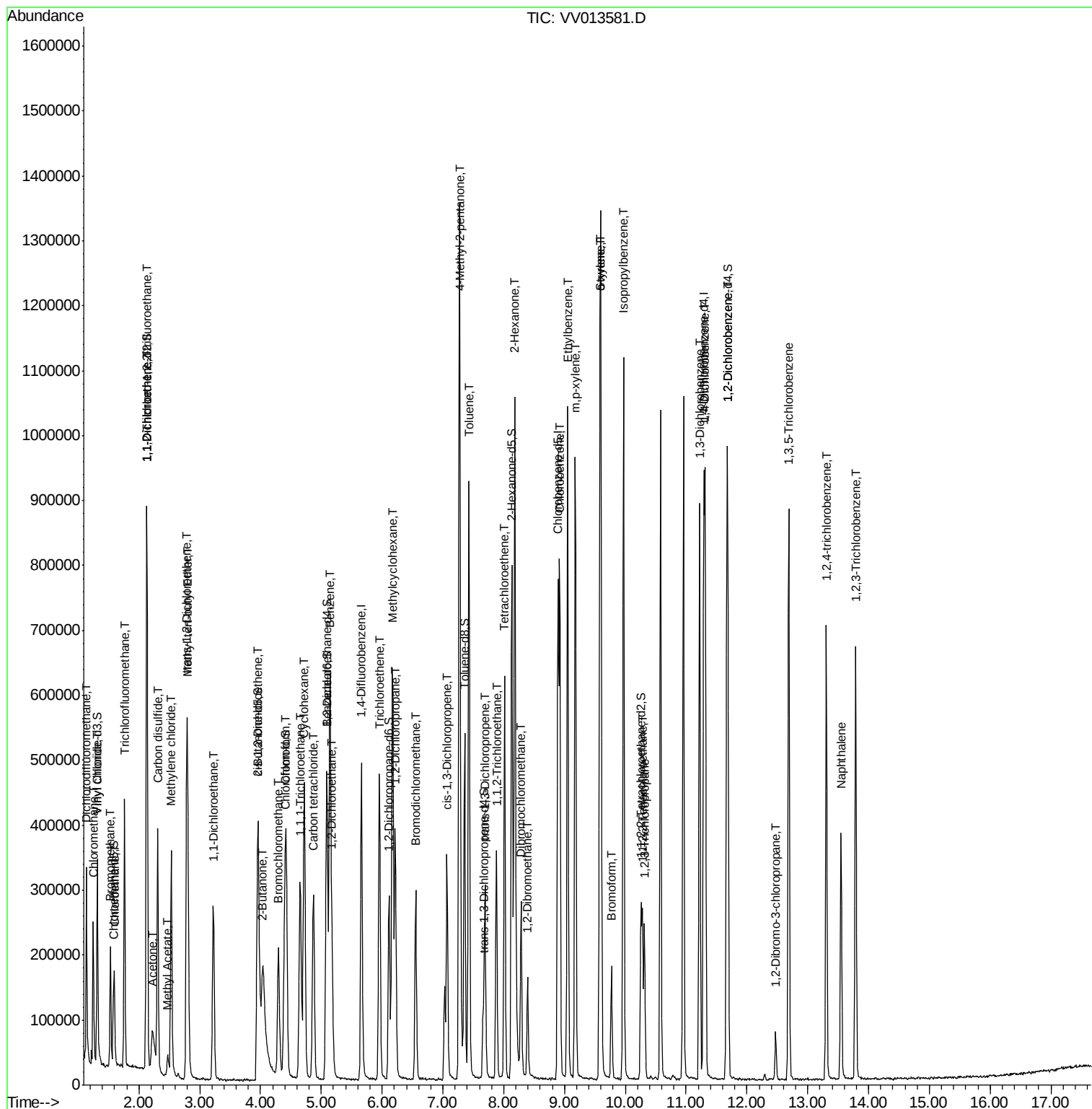
(#) = qualifier out of range (m) = manual integration (+) = signals summed

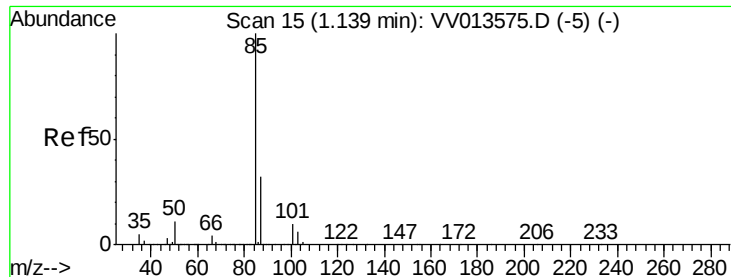
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#2

Dichlorodifluoromethane

Concen: 4.700 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

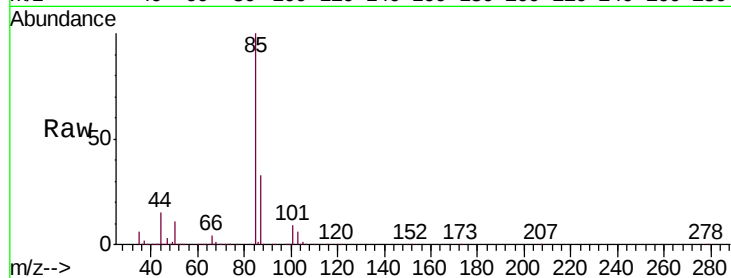
VSTD00554

Tgt Ion: 85 Resp: 193953

Ion Ratio Lower Upper

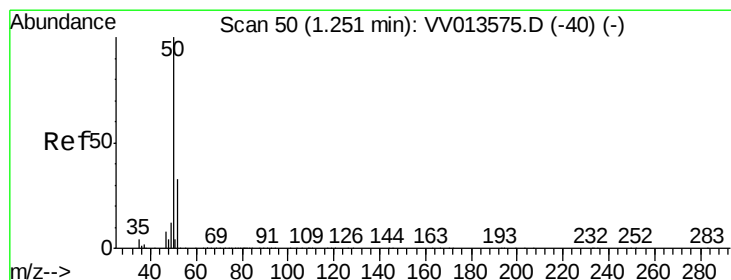
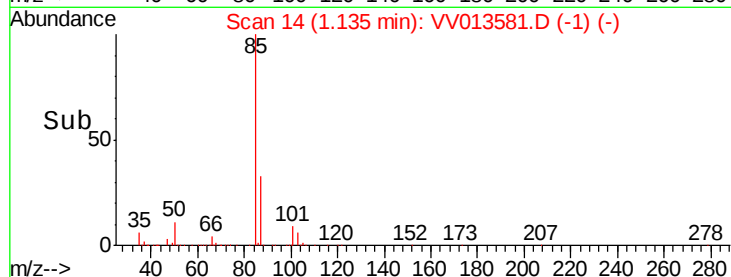
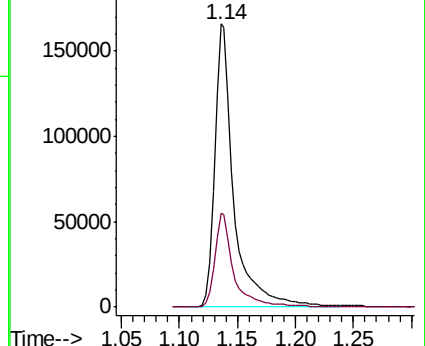
85 100

87 32.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.672 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013581.D

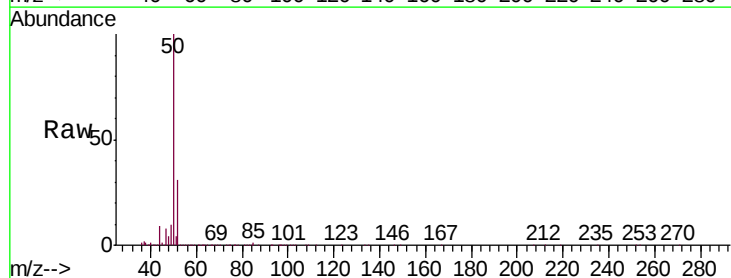
Acq: 11 Nov 2019 16:12

Tgt Ion: 50 Resp: 172336

Ion Ratio Lower Upper

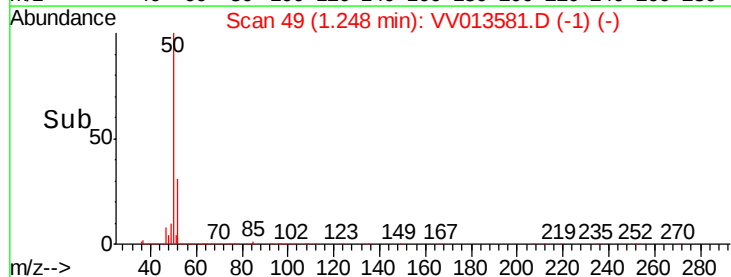
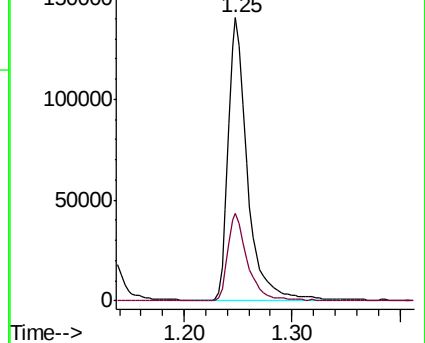
50 100

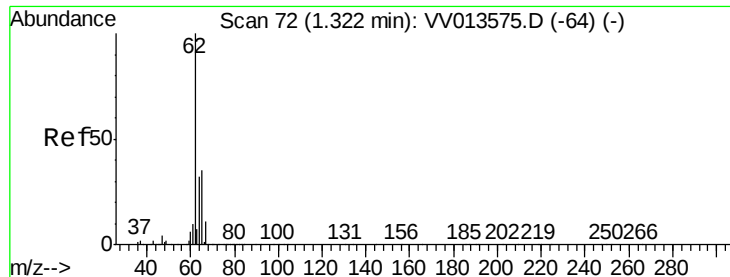
52 31.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.607 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

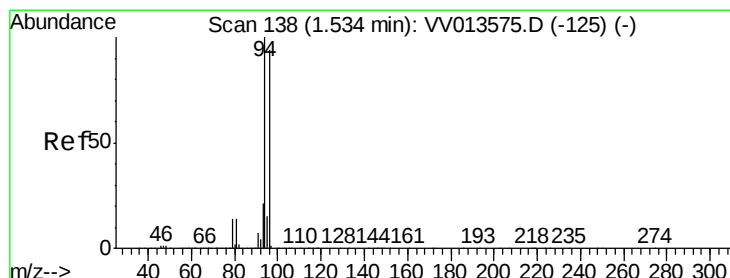
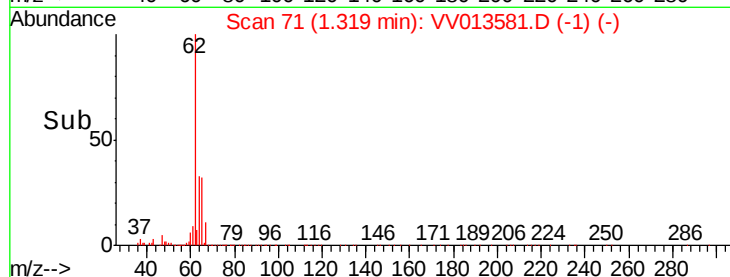
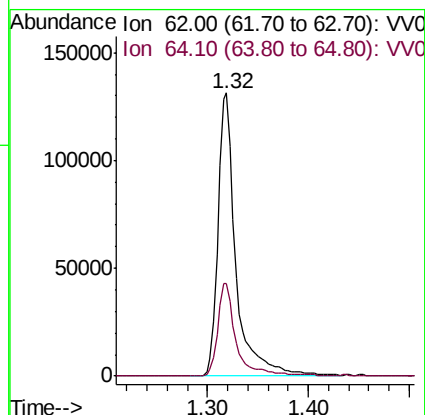
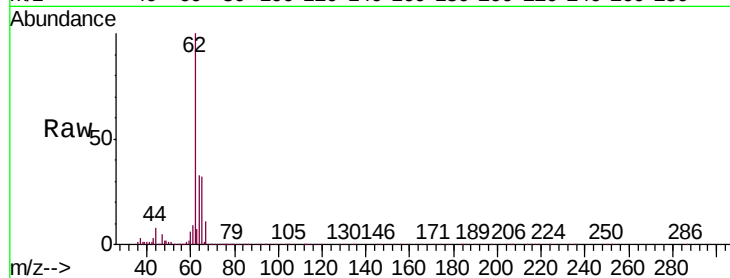
VSTD00554

Tgt Ion: 62 Resp: 163561

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



#6

Bromomethane

Concen: 4.509 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013581.D

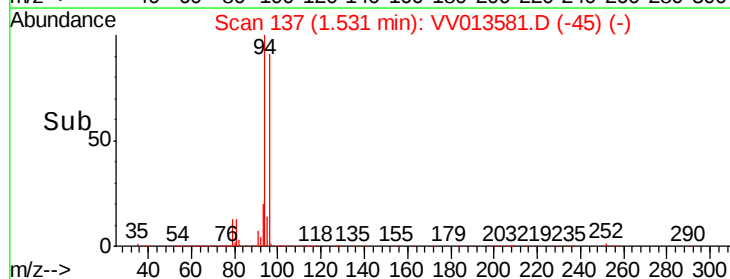
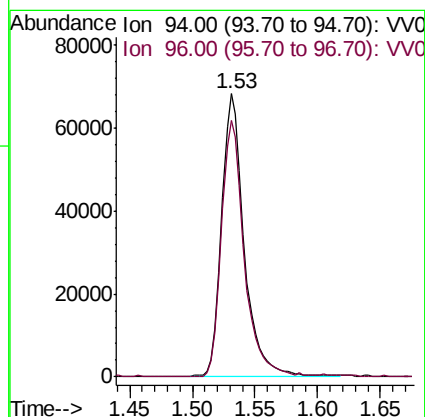
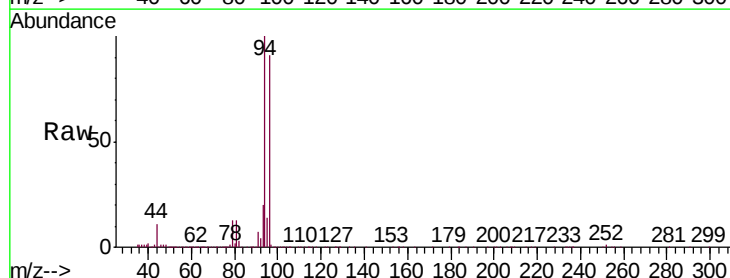
Acq: 11 Nov 2019 16:12

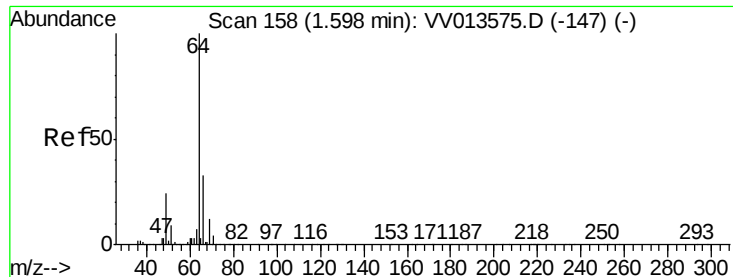
Tgt Ion: 94 Resp: 84302

Ion Ratio Lower Upper

94 100

96 90.7 66.4 123.4





#8

Chloroethane

Concen: 4.392 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

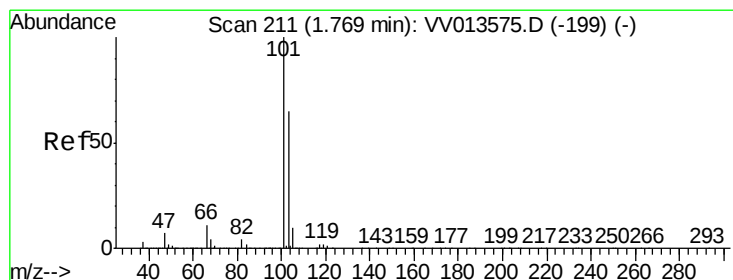
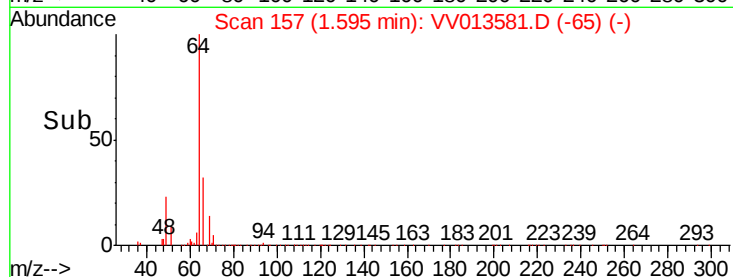
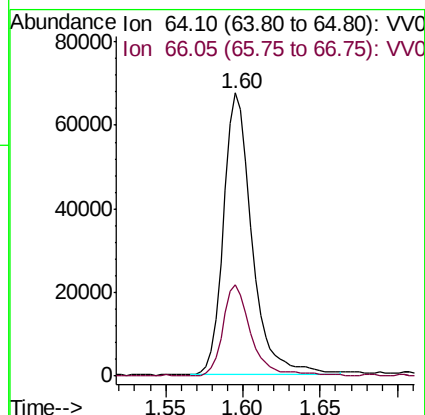
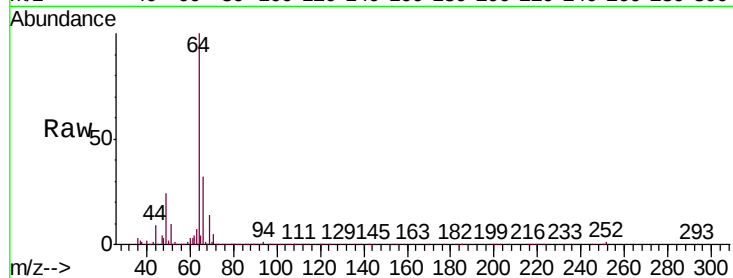
VSTD00554

Tgt Ion: 64 Resp: 86100

Ion Ratio Lower Upper

64 100

66 32.2 21.1 39.3



#9

Trichlorofluoromethane

Concen: 4.831 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013581.D

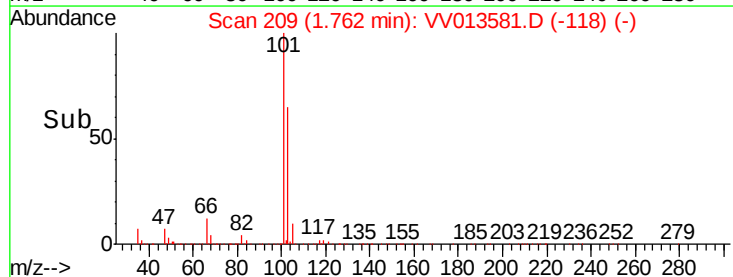
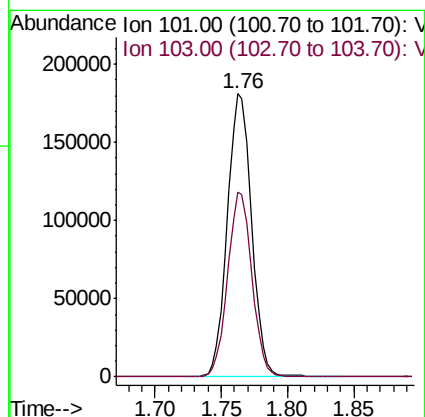
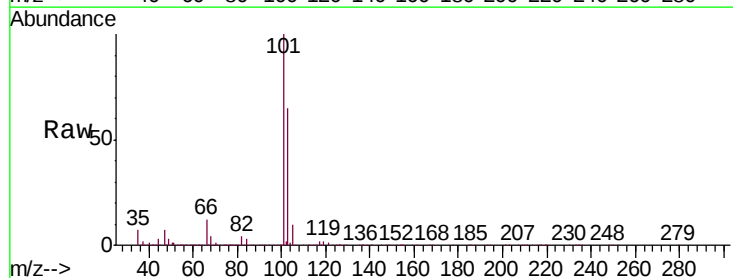
Acq: 11 Nov 2019 16:12

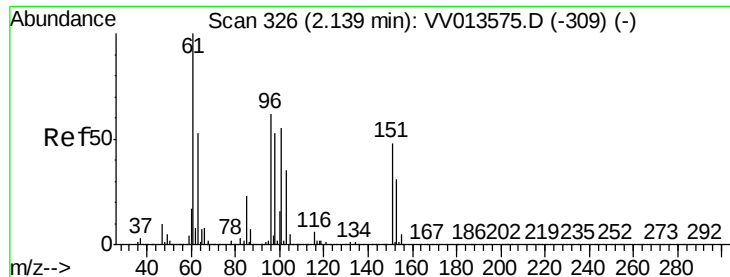
Tgt Ion: 101 Resp: 230879

Ion Ratio Lower Upper

101 100

103 64.7 50.5 75.7





#10

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

Concen: 4.748 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

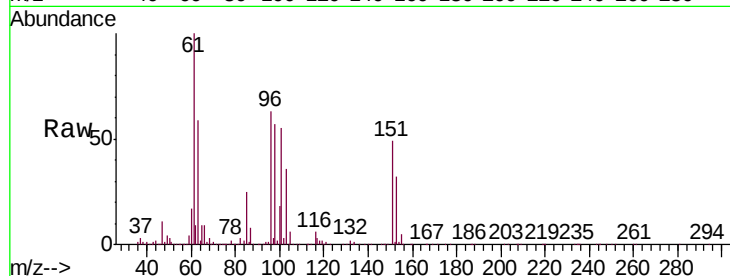
Tgt Ion: 101 Resp: 127185

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

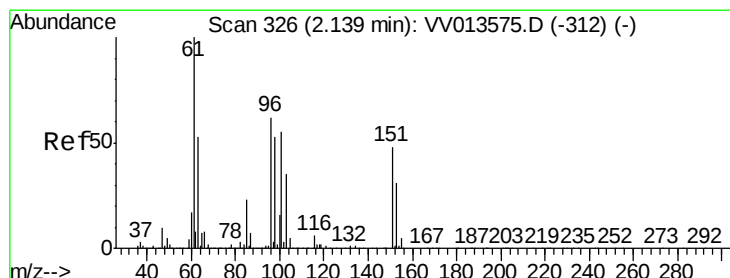
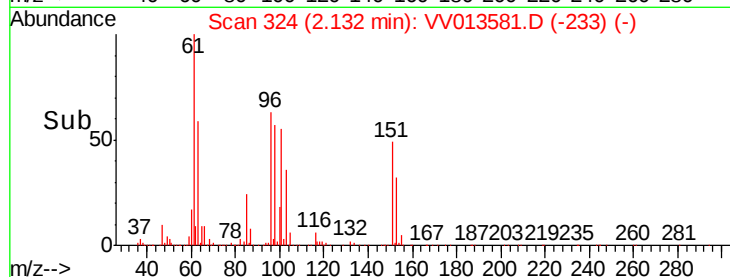
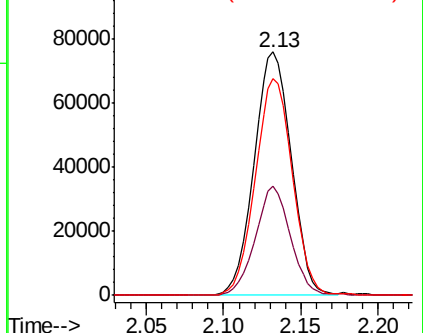
151 88.5 69.5 104.3



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: 4.849 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

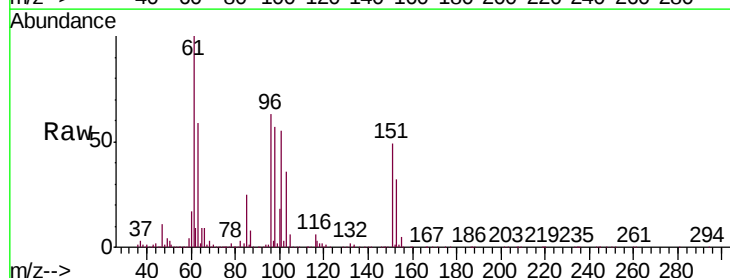
Tgt Ion: 96 Resp: 123002

Ion Ratio Lower Upper

96 100

61 157.7 117.1 217.5

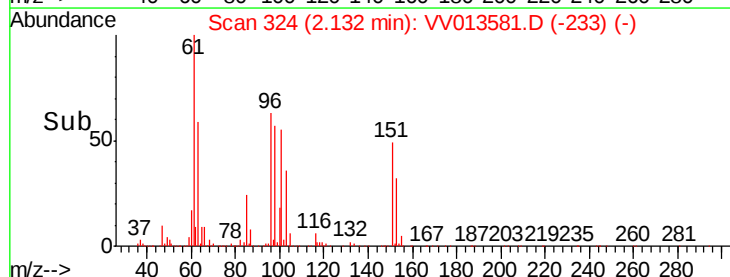
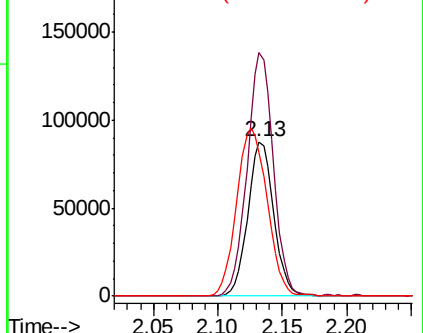
63 92.8 68.5 127.1

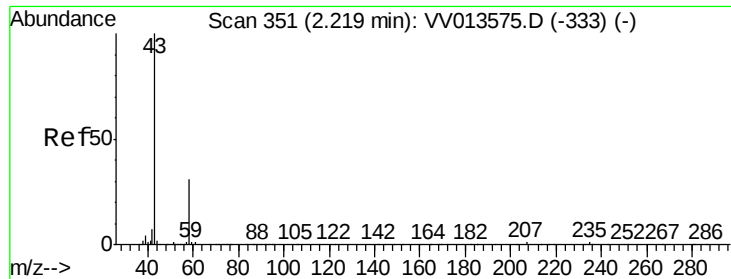


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.002 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

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ClientSampleId :

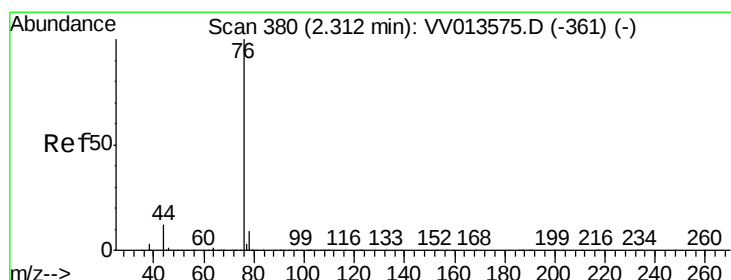
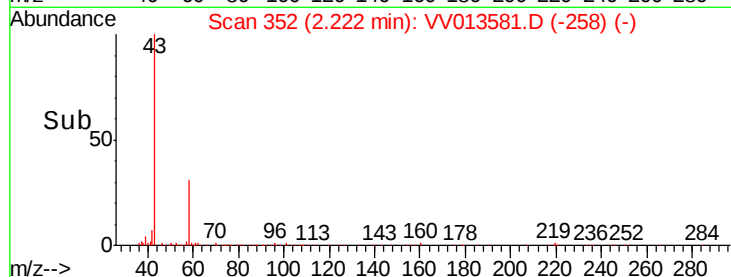
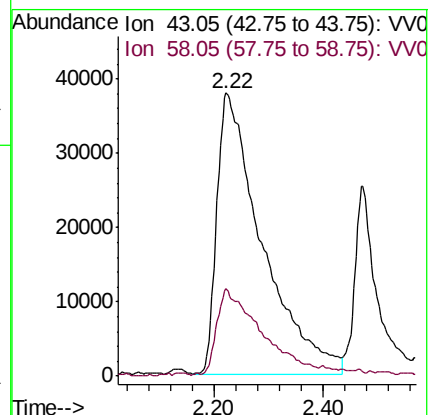
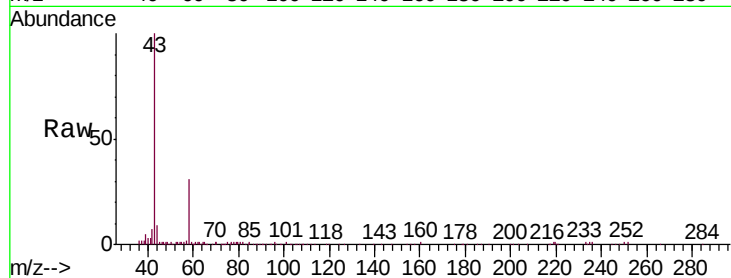
VSTD00554

Tgt Ion: 43 Resp: 216511

Ion Ratio Lower Upper

43 100

58 26.6 0.0 60.8



#14

Carbon disulfide

Concen: 5.367 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013581.D

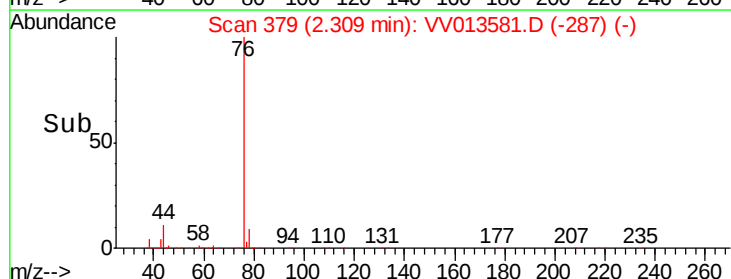
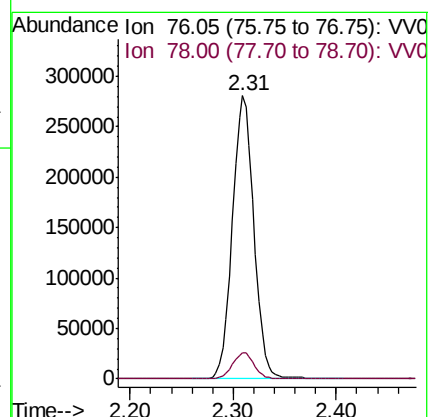
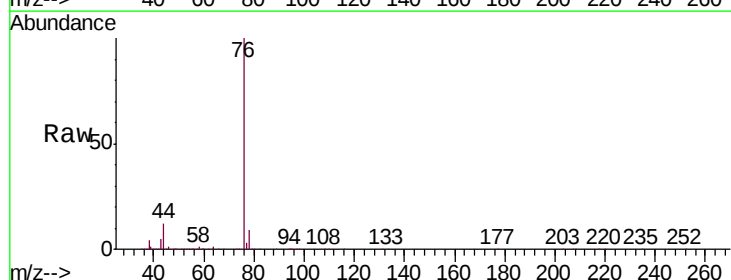
Acq: 11 Nov 2019 16:12

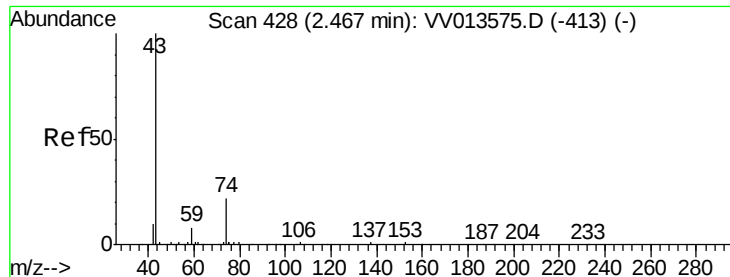
Tgt Ion: 76 Resp: 409167

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

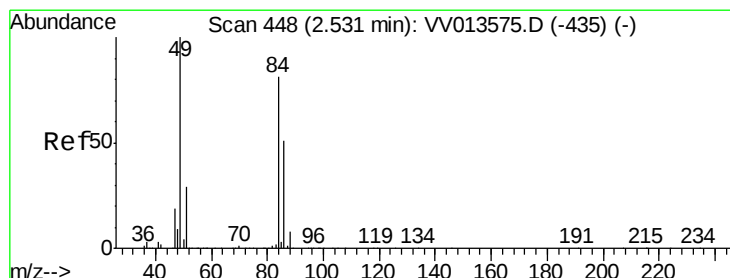
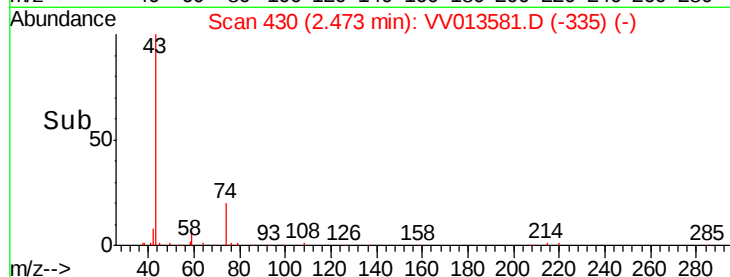
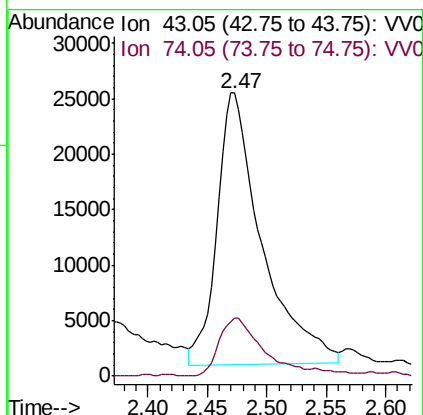
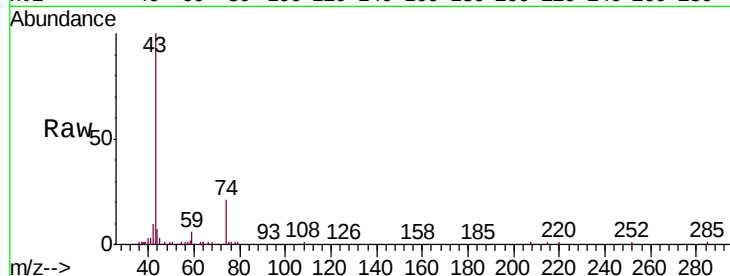




#15
Methyl Acetate
Concen: 5.500 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

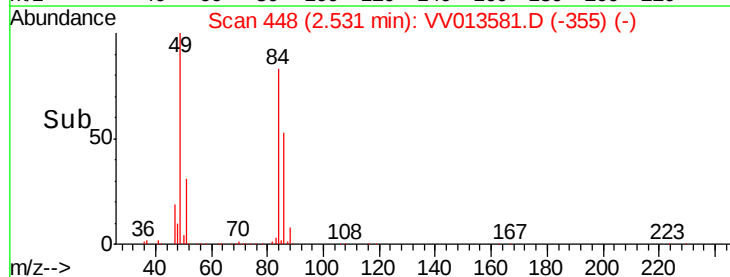
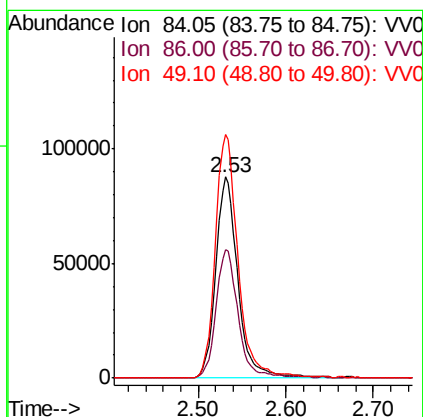
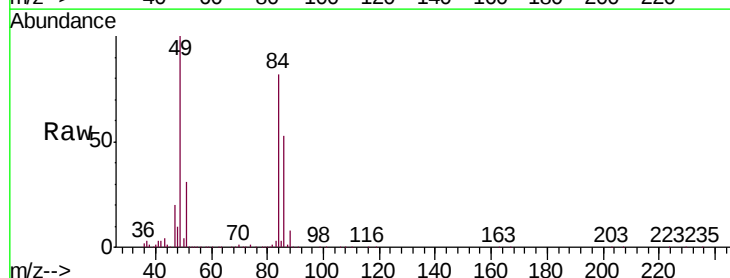
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

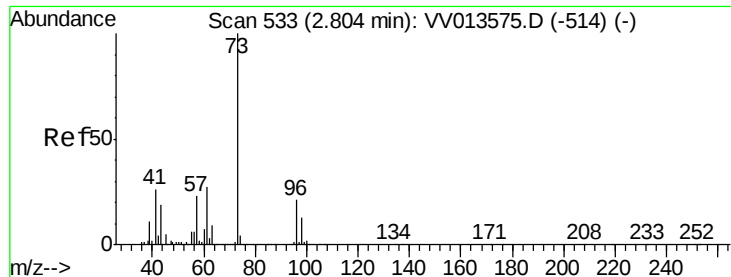
Tgt Ion: 43 Resp: 63581
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.0



#16
Methylene chloride
Concen: 4.636 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

Tgt Ion: 84 Resp: 154039
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.2
49 121.2 88.8 164.8





#17

Methyl tert-butyl Ether

Concen: 4.943 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

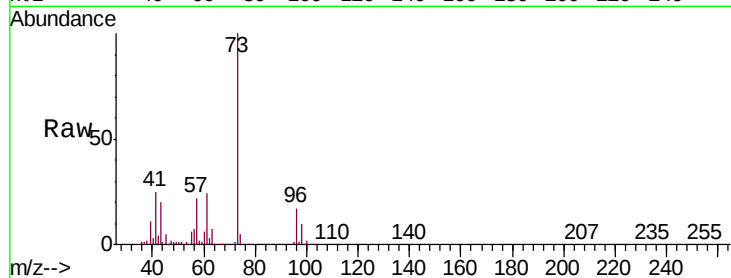
Tgt Ion: 73 Resp: 331278

Ion Ratio Lower Upper

73 100

43 20.3 16.4 24.6

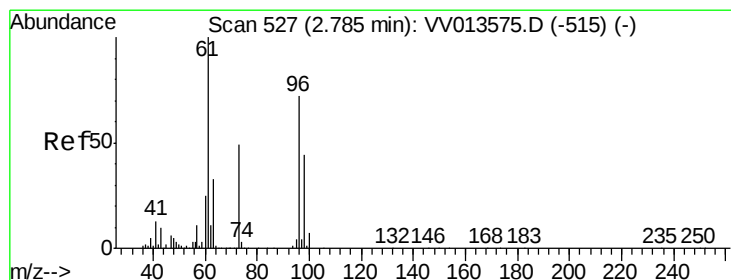
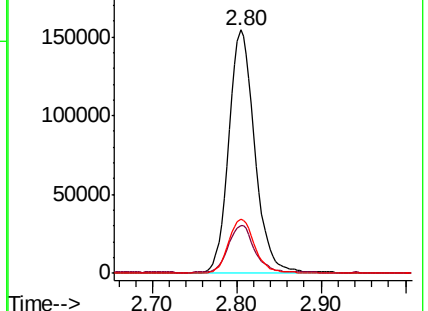
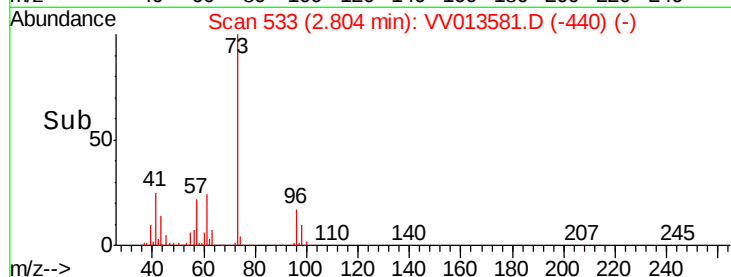
57 22.2 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.698 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

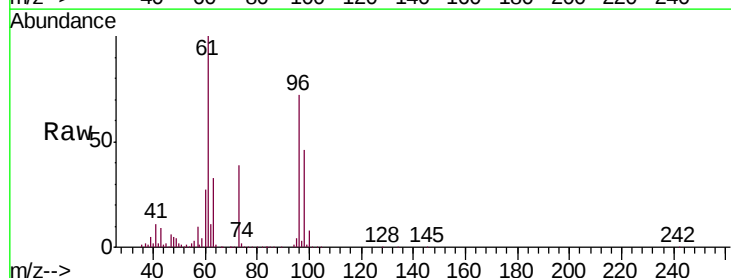
Tgt Ion: 96 Resp: 147866

Ion Ratio Lower Upper

96 100

61 139.5 100.0 185.8

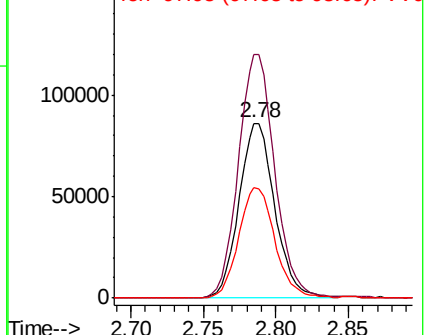
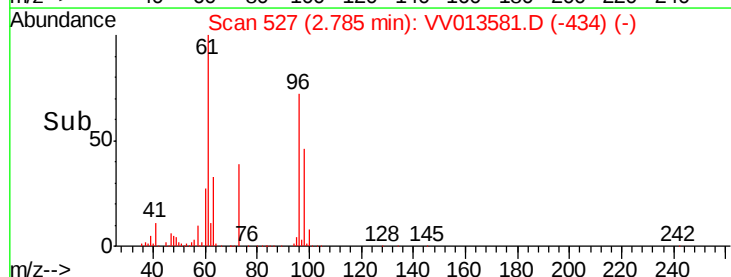
98 63.6 45.3 84.1

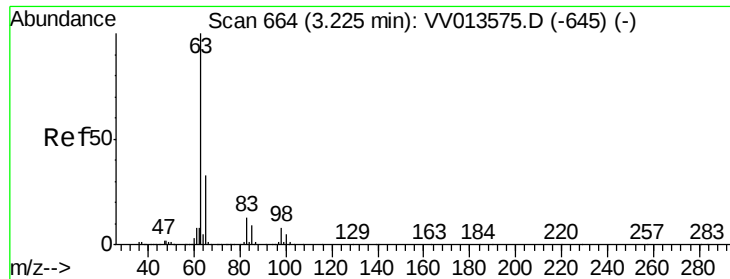


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

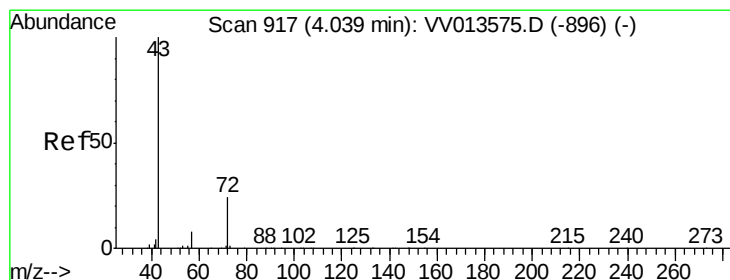
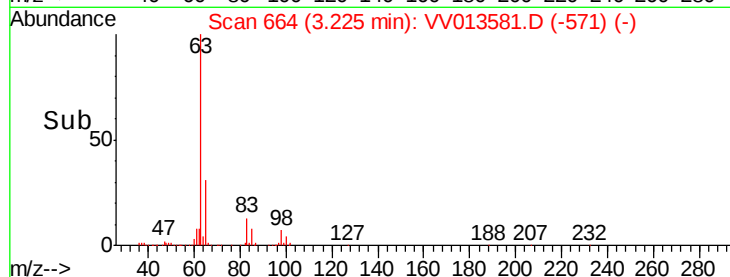
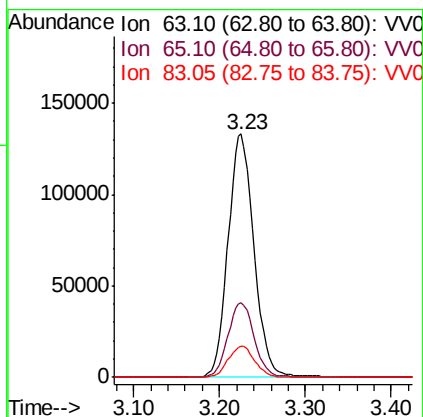
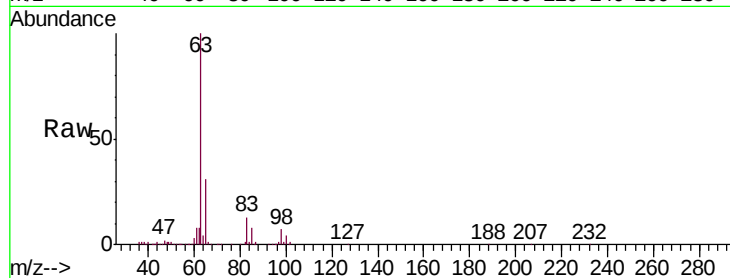




#19
 1,1-Dichloroethane
 Concen: 4.751 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

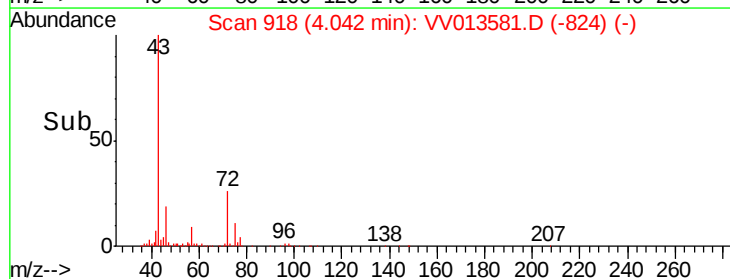
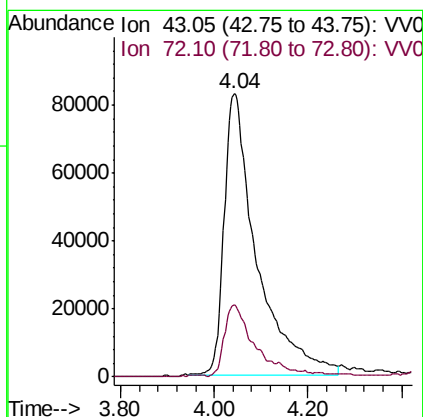
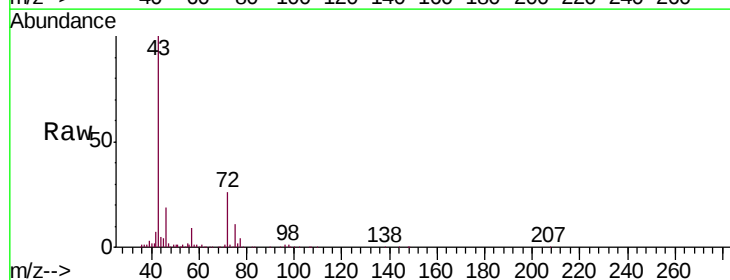
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

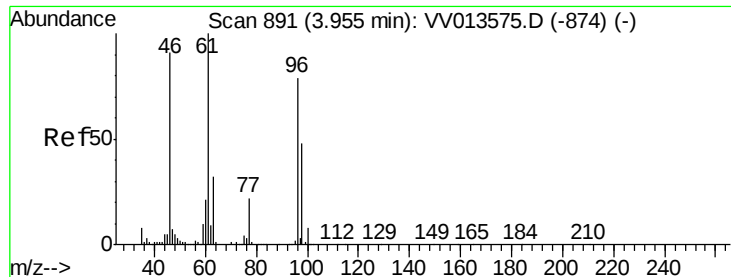
Tgt Ion: 63 Resp: 279039
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.9 42.5
 83 13.0 9.1 16.9



#21
 2-Butanone
 Concen: 56.539 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

Tgt Ion: 43 Resp: 399820
 Ion Ratio Lower Upper
 43 100
 72 21.4 11.6 34.7



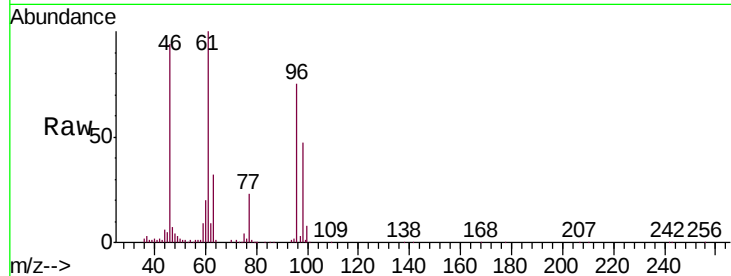


#22

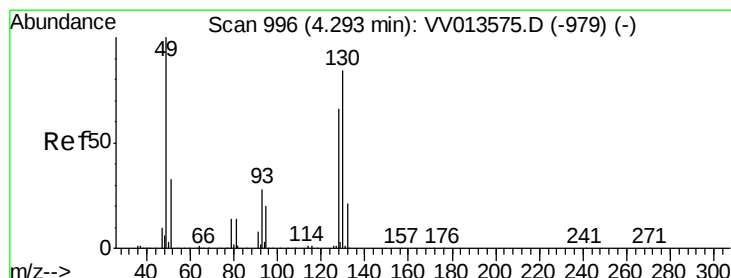
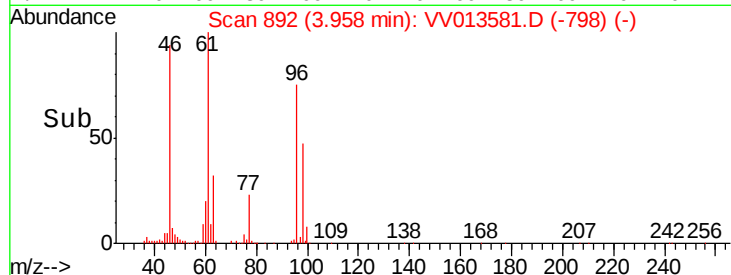
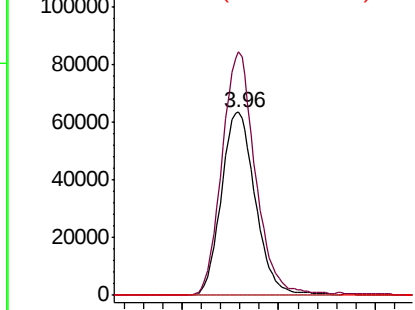
cis-1,2-Dichloroethene
Concen: 4.771 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

Instrument :
MSVOA_V
ClientSampled :
VSTD00554

Tgt Ion: 96 Resp: 154869
Ion Ratio Lower Upper
96 100
61 133.1 94.6 175.8
68 0.0 0.1 0.3#



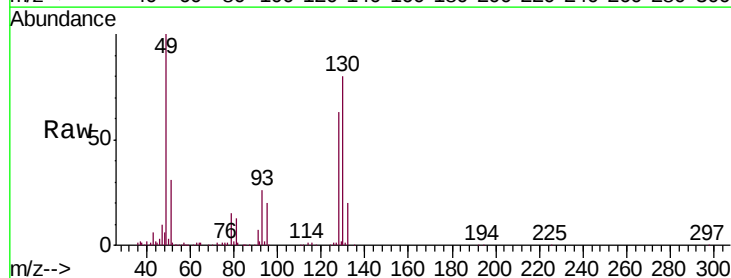
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



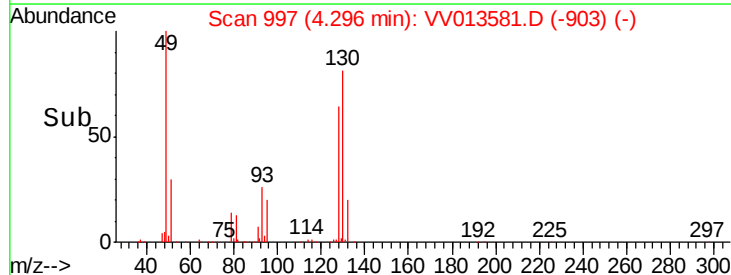
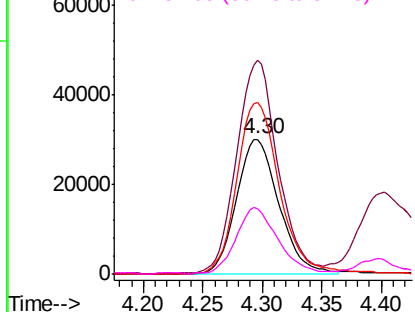
#23

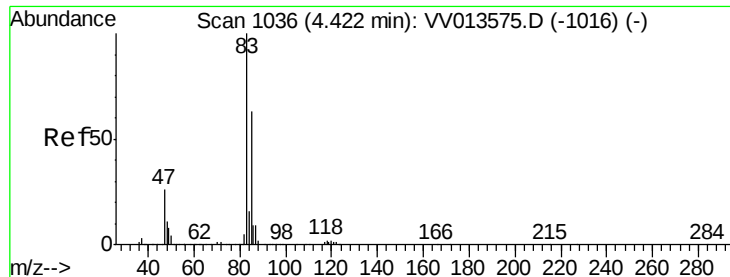
Bromochloromethane
Concen: 4.935 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

Tgt Ion: 128 Resp: 74173
Ion Ratio Lower Upper
128 100
49 158.7 115.9 215.3
130 127.6 87.6 162.6
51 48.8 40.6 61.0



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





#25

Chloroform

Concen: 5.034 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

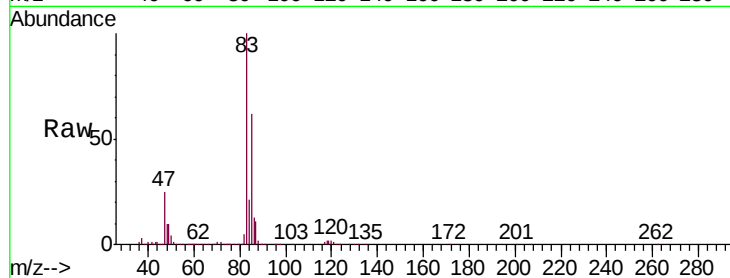
VSTD00554

Tgt Ion: 83 Resp: 322389

Ion Ratio Lower Upper

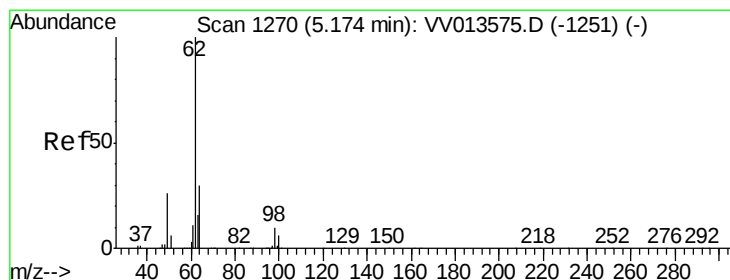
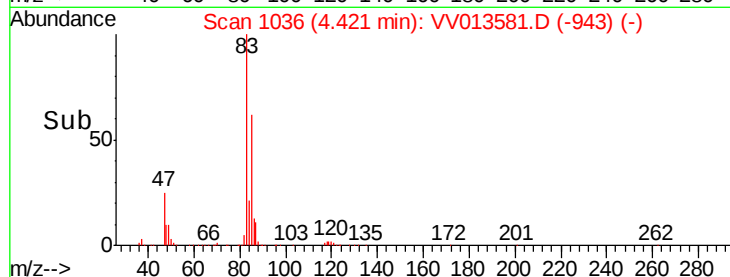
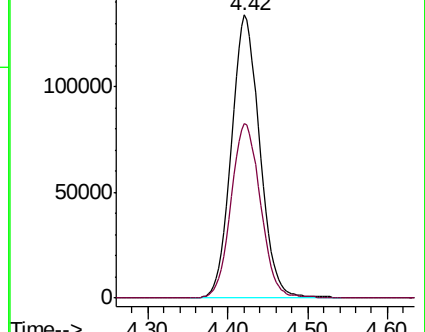
83 100

85 61.7 46.3 86.1



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 4.936 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013581.D

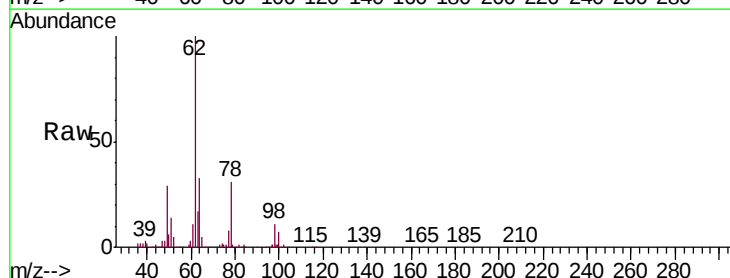
Acq: 11 Nov 2019 16:12

Tgt Ion: 62 Resp: 170689

Ion Ratio Lower Upper

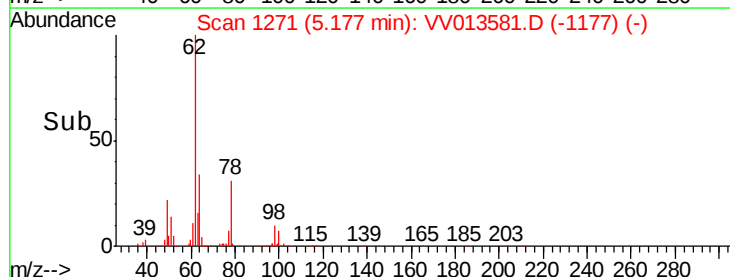
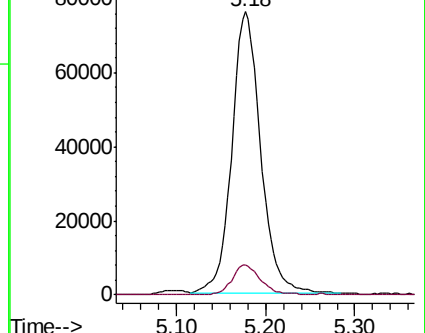
62 100

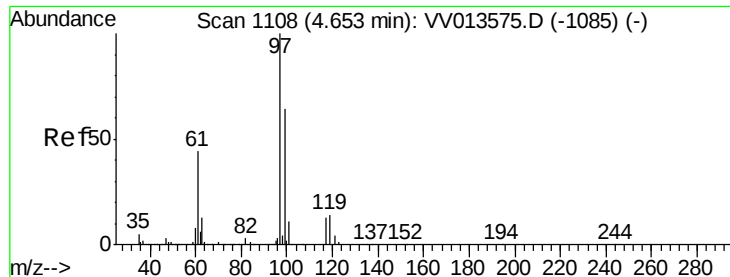
98 10.6 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

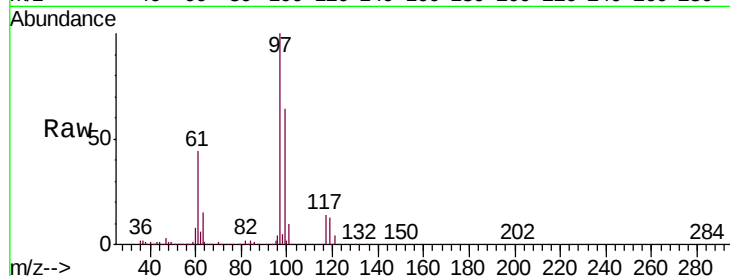




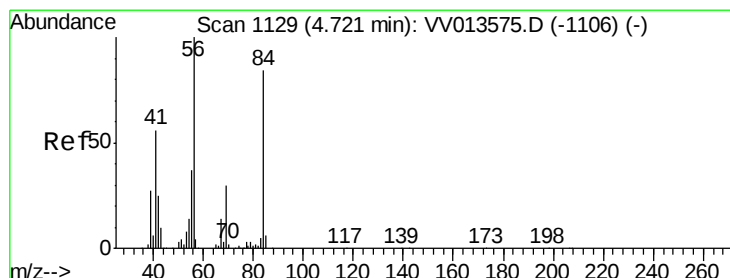
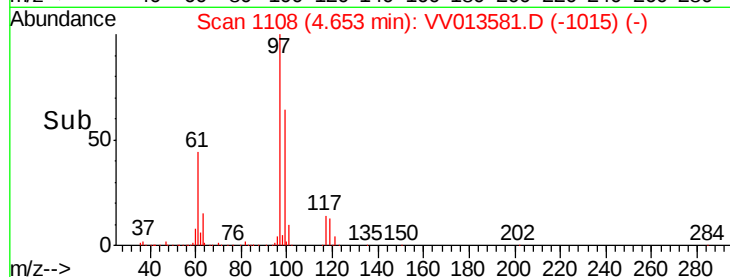
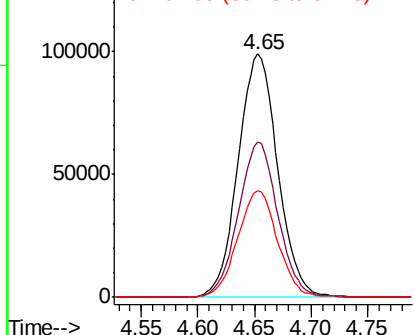
#29
 1,1,1-Trichloroethane
 Concen: 4.698 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.4	75.6
61	44.5	35.5	53.3

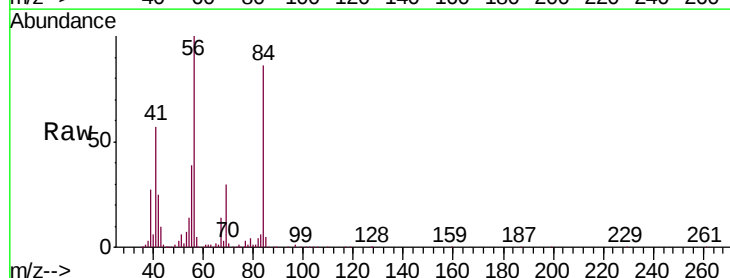


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

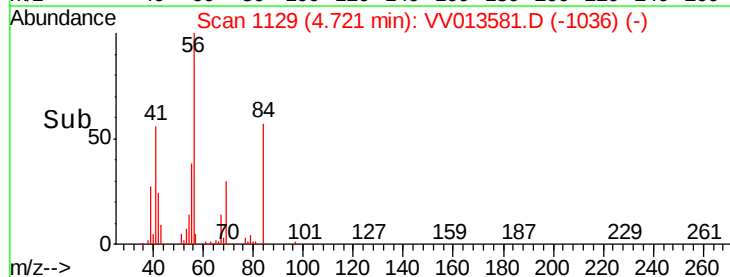
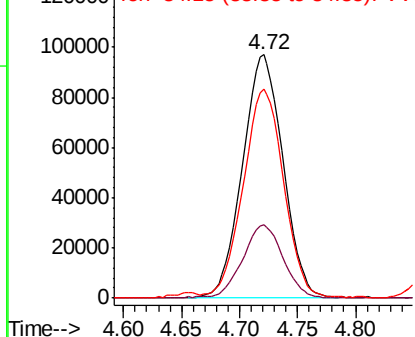


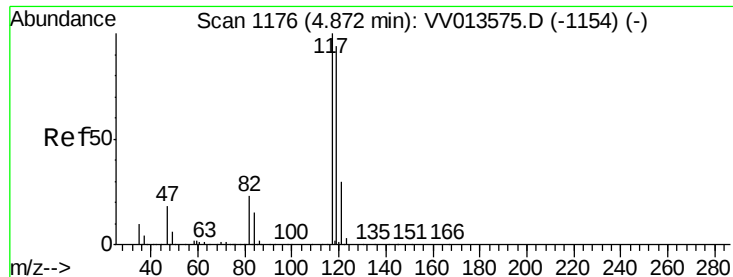
#30
 Cyclohexane
 Concen: 4.549 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	22.9	34.3
84	85.7	67.2	100.8



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





#31

Carbon tetrachloride

Concen: 4.704 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

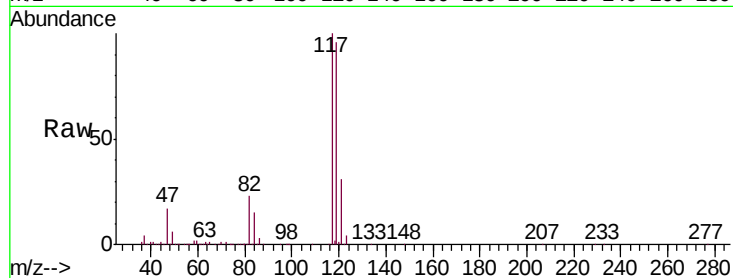
VSTD00554

Tgt Ion:117 Resp: 216942

Ion Ratio Lower Upper

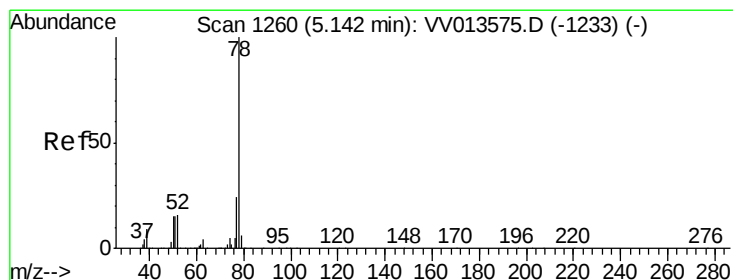
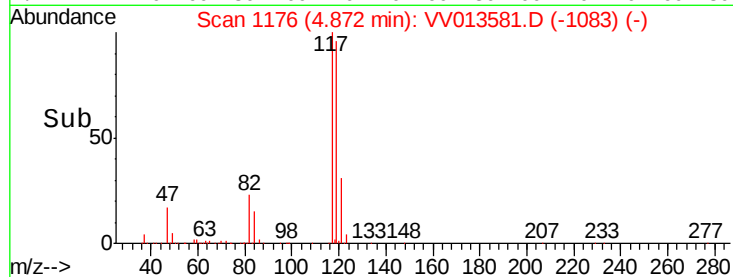
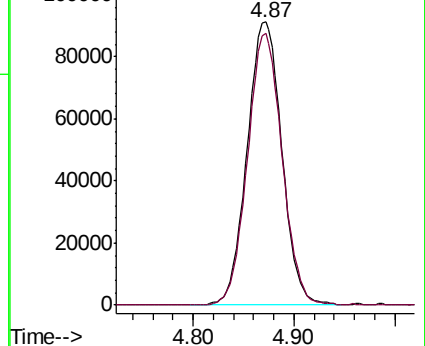
117 100

119 95.7 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.729 ug/L

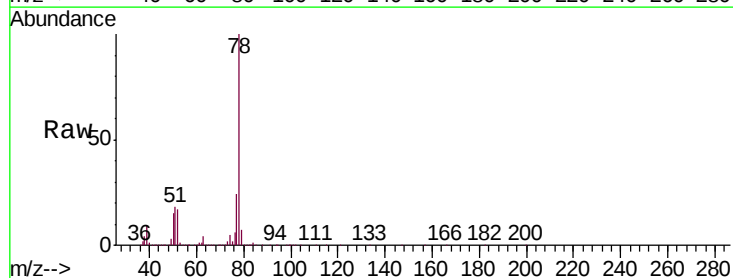
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

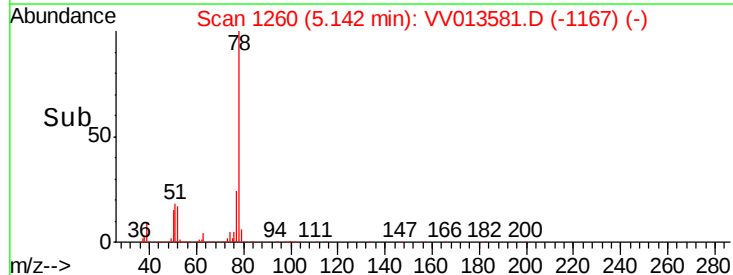
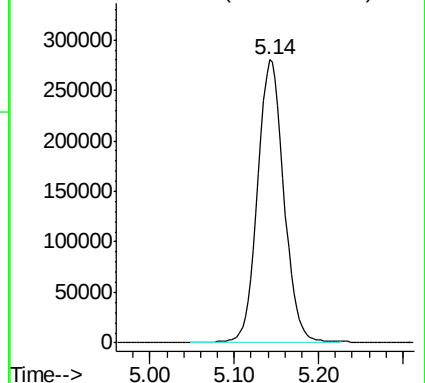
Lab File: VV013581.D

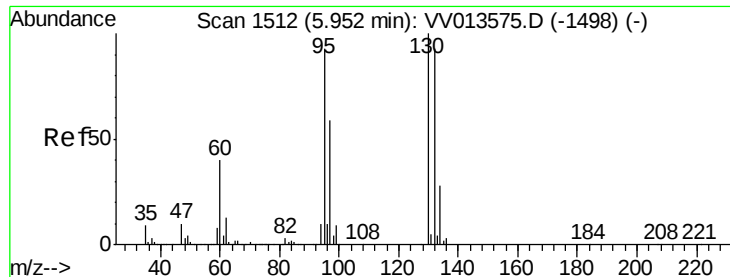
Acq: 11 Nov 2019 16:12

Tgt Ion: 78 Resp: 609452



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.589 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 159469

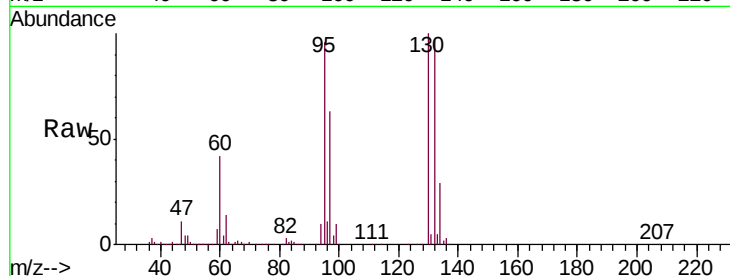
Ion Ratio Lower Upper

95 100

97 65.1 44.7 83.1

132 100.4 71.6 133.0

130 103.9 74.6 138.6

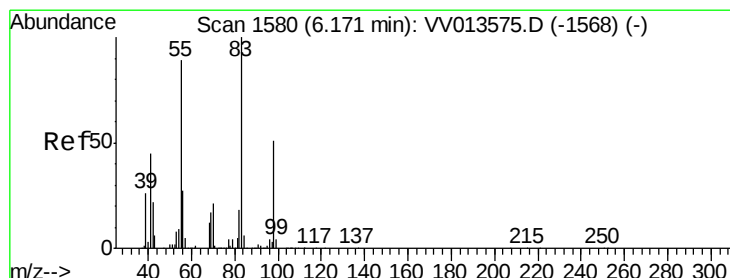
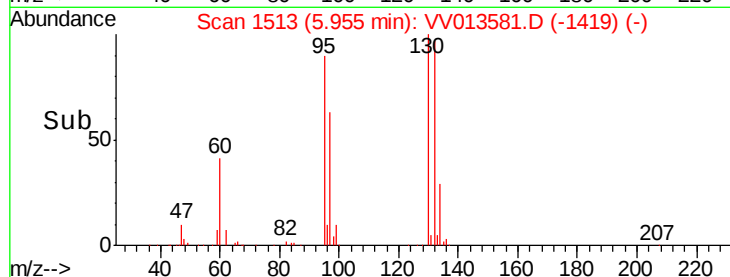
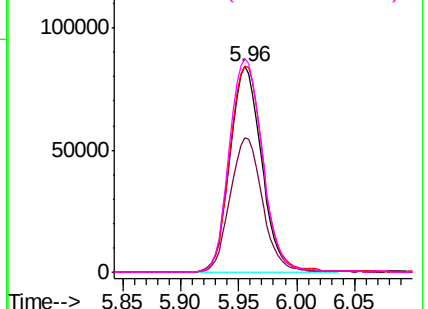


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.541 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

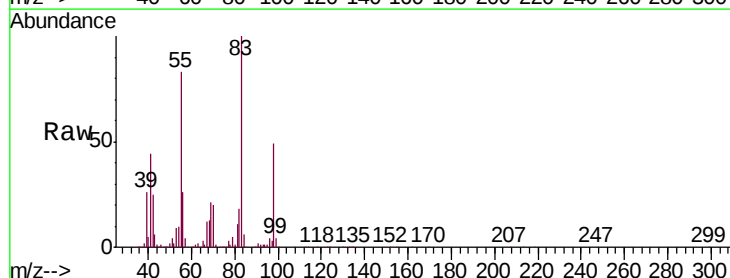
Tgt Ion: 83 Resp: 239841

Ion Ratio Lower Upper

83 100

55 82.1 63.8 95.8

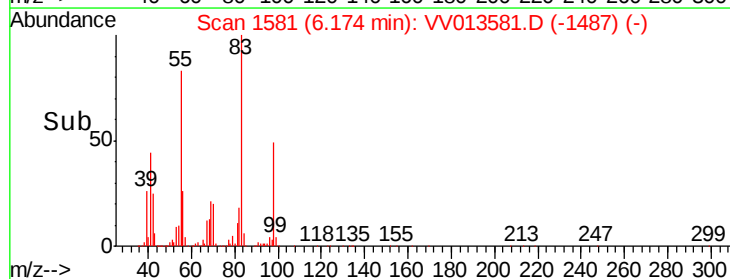
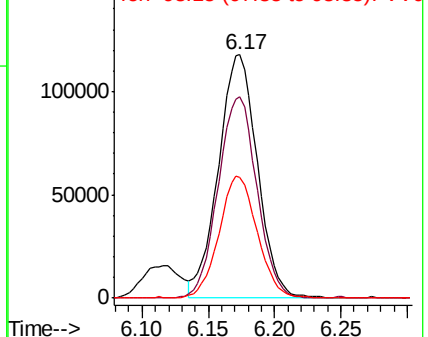
98 49.2 38.4 57.6

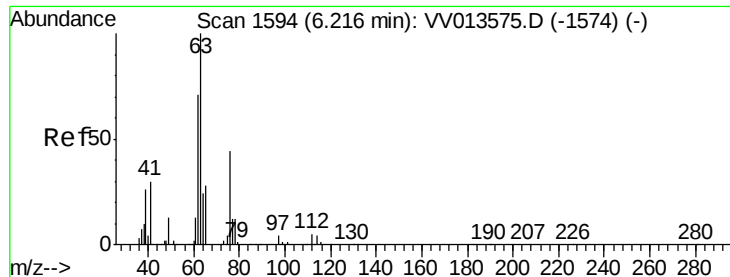


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

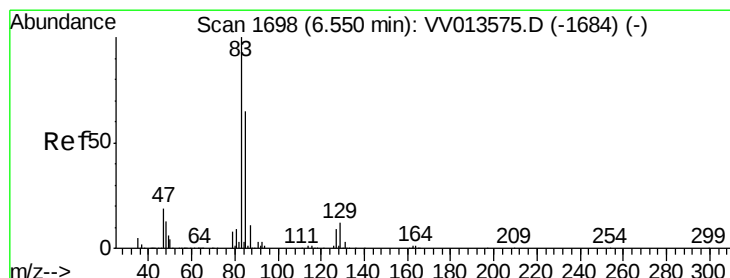
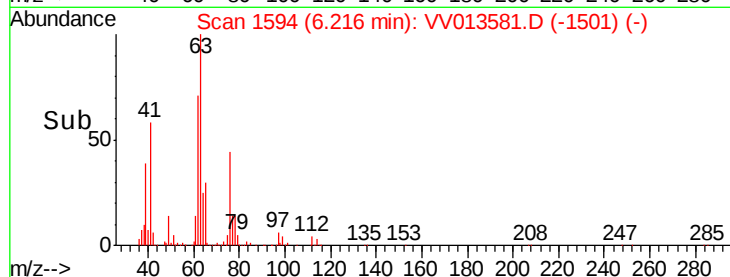
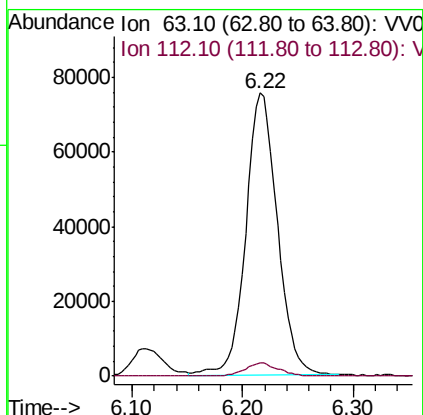
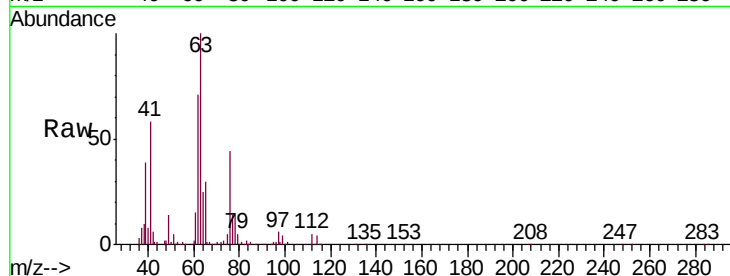




#37
 1,2-Dichloropropane
 Concen: 4.714 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

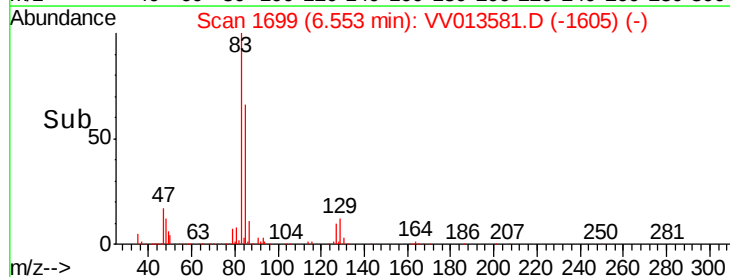
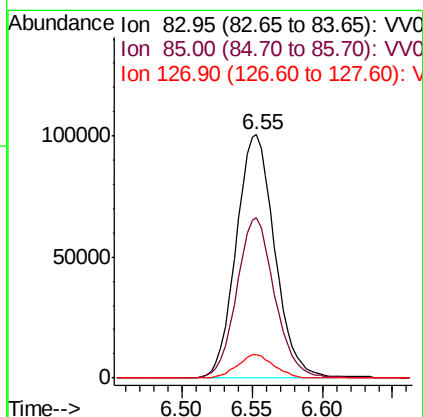
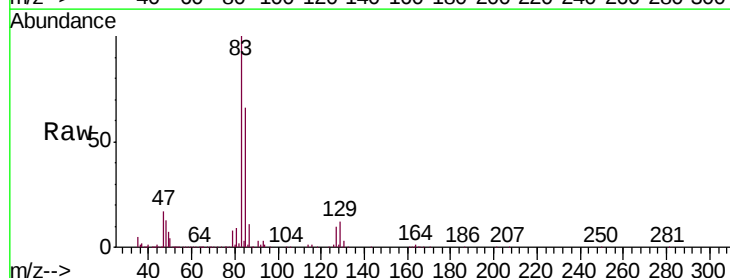
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

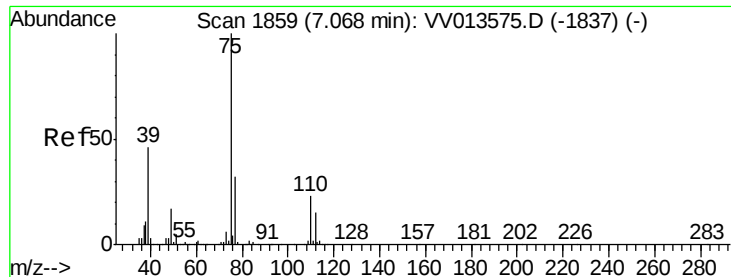
Tgt Ion: 63 Resp: 149423
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.691 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013581.D
 Acq: 11 Nov 2019 16:12

Tgt Ion: 83 Resp: 191952
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.6 81.0
 127 9.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.733 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

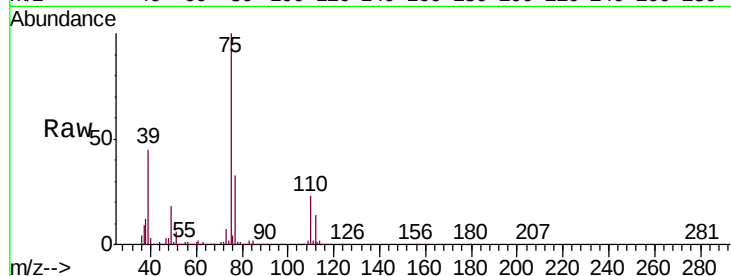
VSTD00554

Tgt Ion: 75 Resp: 208431

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

120000

100000

80000

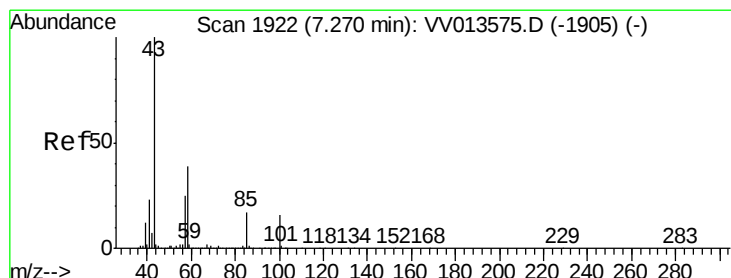
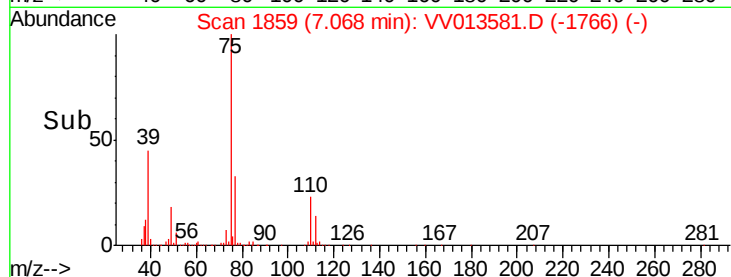
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 53.786 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

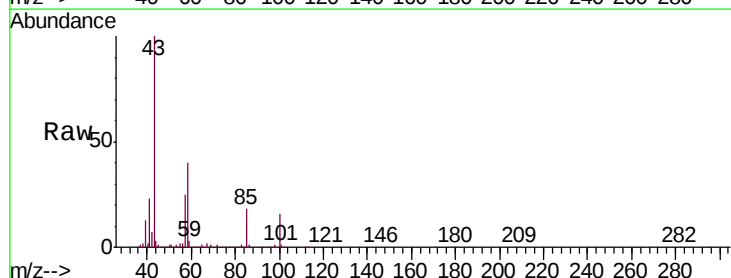
Tgt Ion: 43 Resp: 980627

Ion Ratio Lower Upper

43 100

58 38.9 30.6 45.8

100 15.3 12.0 18.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

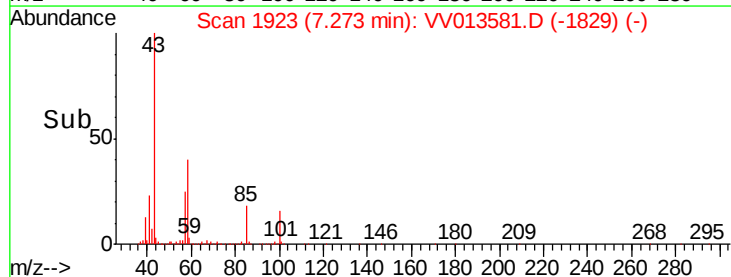
600000

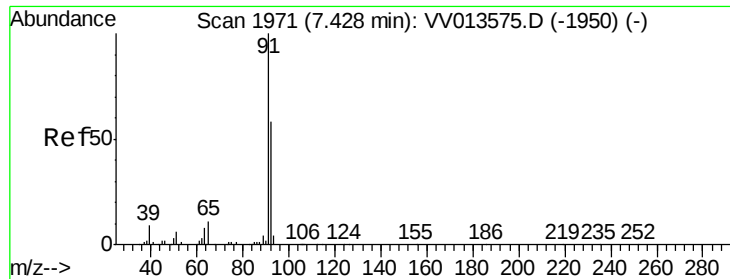
400000

200000

0

Time-->





#42

Toluene

Concen: 4.880 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

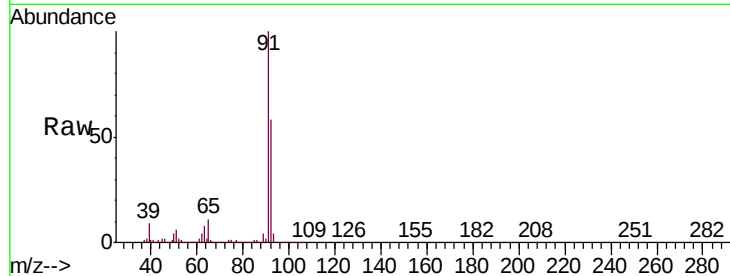
VSTD00554

Tgt Ion: 91 Resp: 654034

Ion Ratio Lower Upper

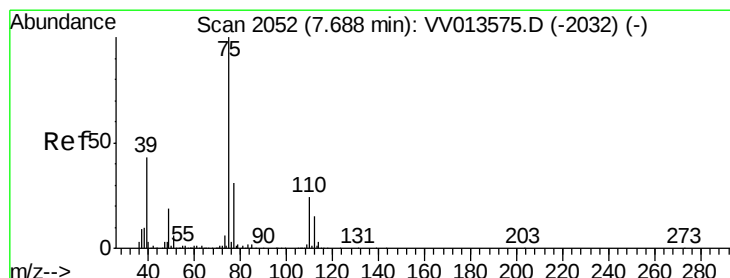
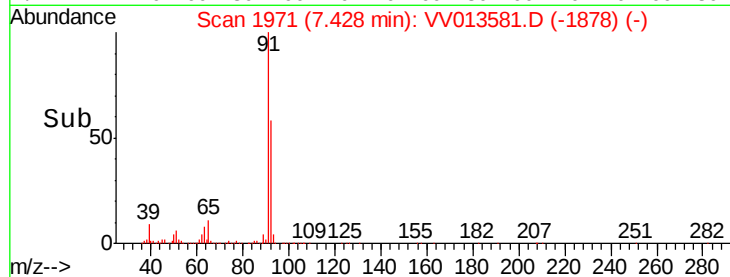
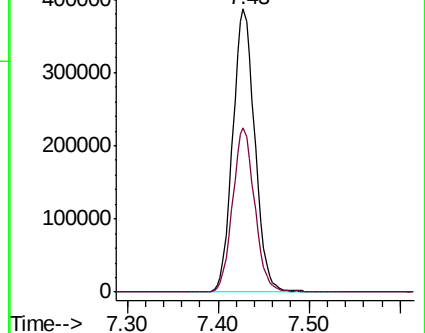
91 100

92 58.1 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.960 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013581.D

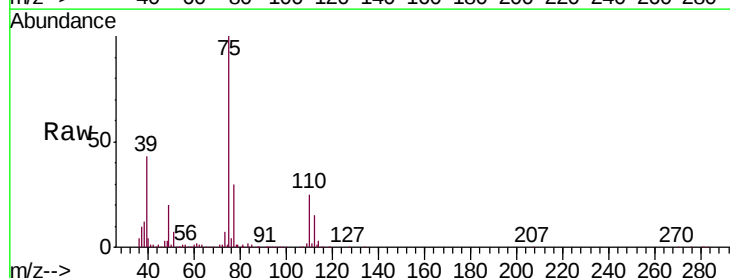
Acq: 11 Nov 2019 16:12

Tgt Ion: 75 Resp: 171751

Ion Ratio Lower Upper

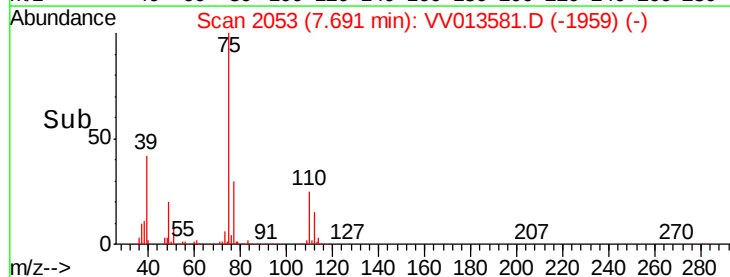
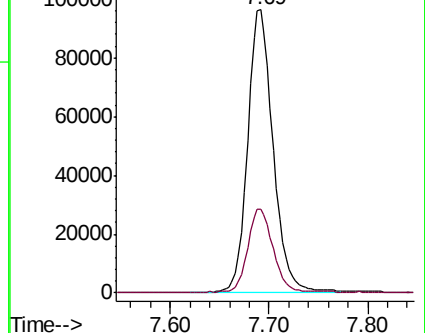
75 100

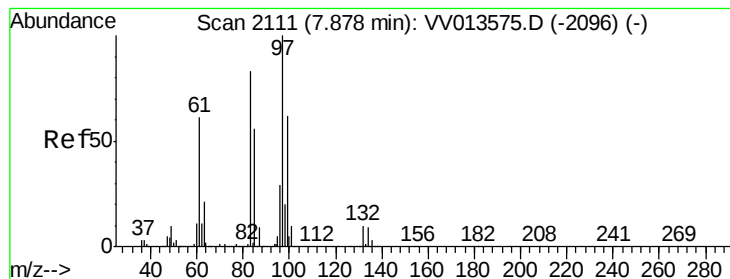
77 29.8 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 4.958 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 97 Resp: 108003

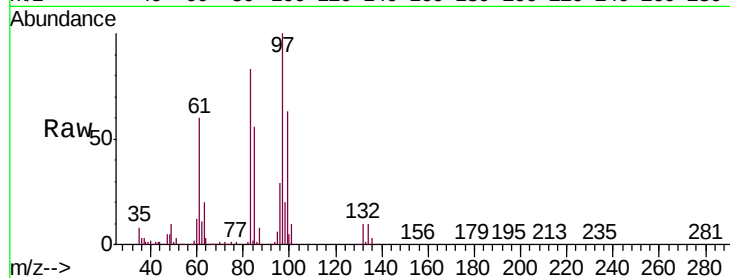
Ion Ratio Lower Upper

97 100

99 63.2 44.4 82.5

83 82.9 57.5 106.7

85 55.5 39.5 73.4



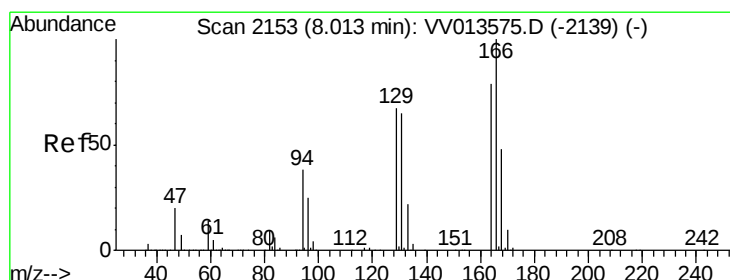
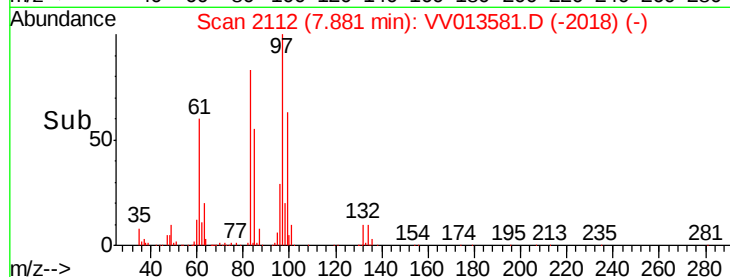
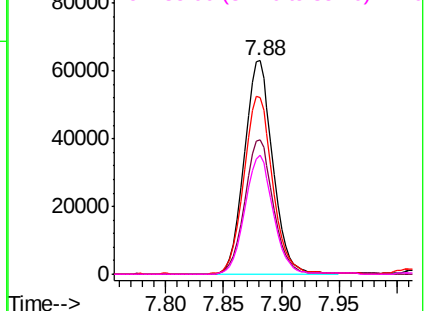
Abundance

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: 4.858 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013581.D

Acq: 11 Nov 2019 16:12

Tgt Ion: 164 Resp: 147591

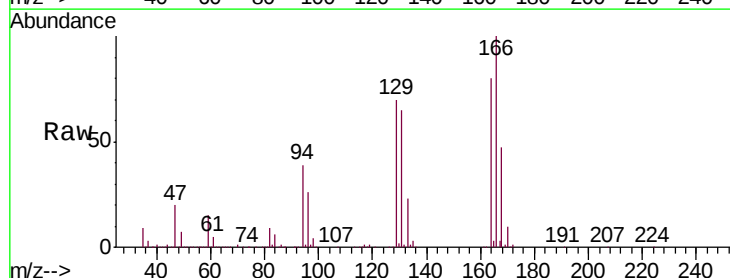
Ion Ratio Lower Upper

164 100

129 87.0 59.6 110.8

131 81.7 59.1 109.9

166 125.0 88.6 164.6



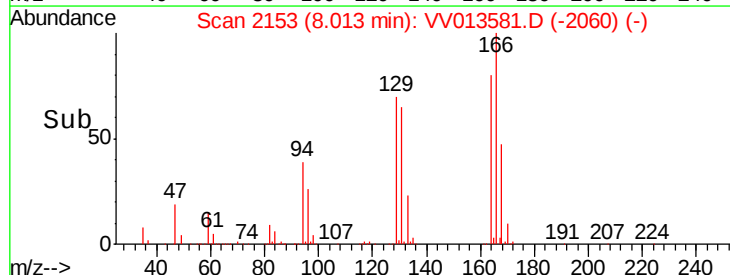
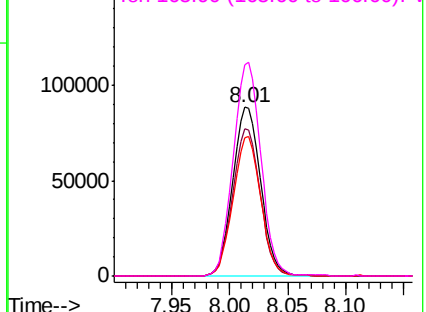
Abundance

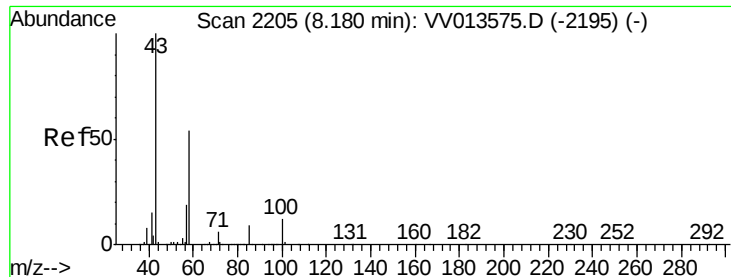
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

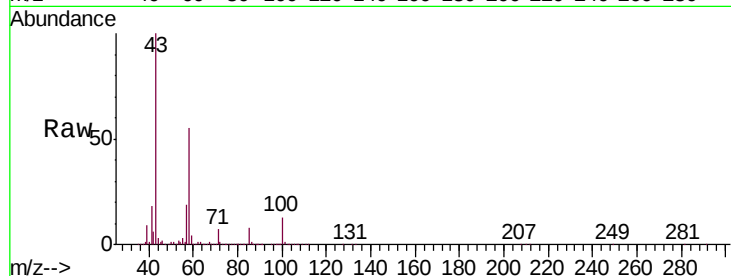




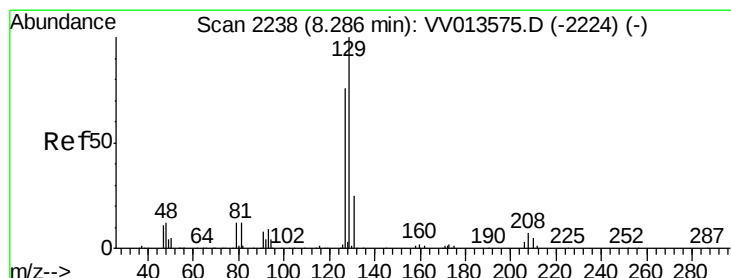
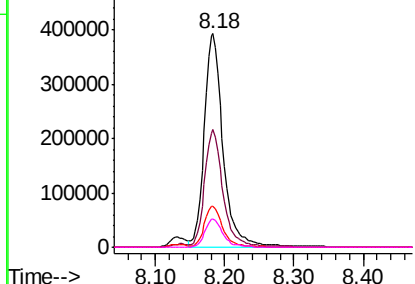
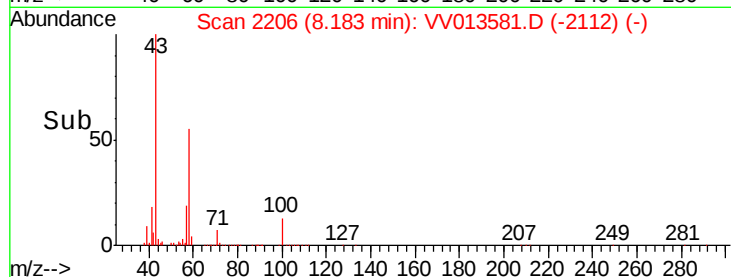
#48
2-Hexanone
Concen: 56.851 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion:	43	Resp:	733887
Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.8	65.8
57	18.3	15.0	22.6
100	12.8	9.8	14.6

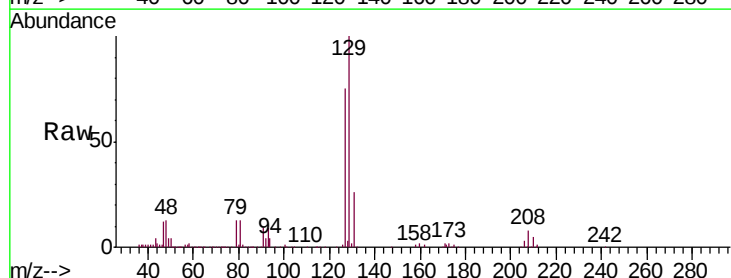


Abundance Ion 43.05 (42.75 to 43.75): VV013581.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV013581.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV013581.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV013581.D (-2112) (-)



#49
Dibromochloromethane
Concen: 5.006 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013581.D
Acq: 11 Nov 2019 16:12

Tgt Ion:	129	Resp:	136030
Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV013581.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013581.D (-2145) (-)

