

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011320\
 Data File : VV014276.D
 Acq On : 13 Jan 2020 12:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Quant Time: Jan 14 15:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 11 00:01:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1127381	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1027908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	488901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	364777	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	285856	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.13	63	583541	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	3.96	46	907355	47.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.76%
24) Chloroform-d	4.40	84	788706	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.08	65	373825	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.09	84	1615196	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.11	67	495895	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.35	98	1476400	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	207058	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.13	63	816468	45.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	327473	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	464399	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	419732	4.938 ug/L	99
3) Chloromethane	1.26	50	414986	4.912 ug/L	97
5) Vinyl chloride	1.32	62	401794	5.092 ug/L	98
6) Bromomethane	1.54	94	225454	5.036 ug/L	99
8) Chloroethane	1.60	64	214788	4.845 ug/L	98
9) Trichlorofluoromethane	1.77	101	513077	5.508 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	283349	5.616 ug/L	96
12) 1,1-Dichloroethene	2.14	96	269596	5.353 ug/L	96
13) Acetone	2.23	43	468146	35.875 ug/L	96
14) Carbon disulfide	2.32	76	1105531	4.946 ug/L	99
15) Methyl Acetate	2.47	43	158835	5.229 ug/L	92
16) Methylene chloride	2.53	84	422594	5.154 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	951492	5.104 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	409776	5.412 ug/L	95
19) 1,1-Dichloroethane	3.23	63	780762	5.261 ug/L	98
21) 2-Butanone	4.04	43	989149	50.534 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	446982	5.386 ug/L #	97

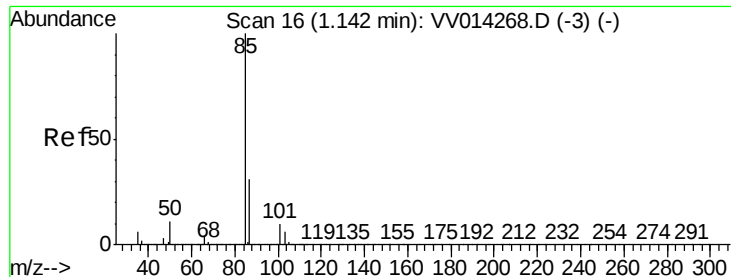
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011320\
 Data File : VV014276.D
 Acq On : 13 Jan 2020 12:28
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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00554

Quant Time: Jan 14 15:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 11 00:01:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	167250	5.301	ug/L	92
25) Chloroform	4.42	83	748247	5.267	ug/L	99
27) 1,2-Dichloroethane	5.18	62	434144	5.108	ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	666497	5.447	ug/L	99
30) Cyclohexane	4.72	56	767009	5.677	ug/L	98
31) Carbon tetrachloride	4.87	117	575997	5.497	ug/L	100
33) Benzene	5.14	78	1698781	5.366	ug/L	100
34) Trichloroethene	5.95	95	445632	5.478	ug/L	99
35) Methylcyclohexane	6.17	83	770634	5.794	ug/L	96
37) 1,2-Dichloropropane	6.22	63	421098	5.270	ug/L	100
38) Bromodichloromethane	6.55	83	537589	5.218	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	675792	5.224	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	2495023	49.535	ug/L	100
42) Toluene	7.42	91	1800580	5.388	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	514463	5.179	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	263351	5.159	ug/L	98
47) Tetrachloroethene	8.01	164	310229	5.582	ug/L	99
48) 2-Hexanone	8.18	43	1780681	51.112	ug/L	98
49) Dibromochloromethane	8.28	129	334427	5.182	ug/L	97
50) 1,2-Dibromoethane	8.39	107	251878	5.096	ug/L	94
51) Chlorobenzene	8.92	112	1102345	5.364	ug/L	99
52) Ethylbenzene	9.05	91	2046124	5.473	ug/L	100
53) m,p-xylene	9.18	106	766965	5.561	ug/L	99
54) o-xylene	9.58	106	741612	5.468	ug/L	97
55) Styrene	9.60	104	1242712	5.409	ug/L	98
56) Isopropylbenzene	9.97	105	2003061	5.663	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	327941	5.210	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	239431	5.029	ug/L	99
61) Bromoform	9.77	173	169664	5.120	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	837143	5.477	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	832985	5.481	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	738995	5.354	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	58885	4.641	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	620229	5.580	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	535613	5.494	ug/L	100
69) Naphthalene	13.54	128	997781	5.038	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	453989	5.292	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.938 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

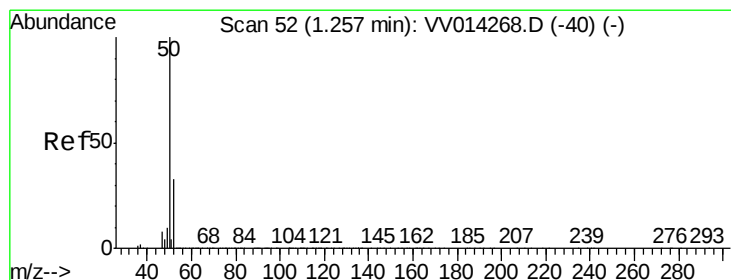
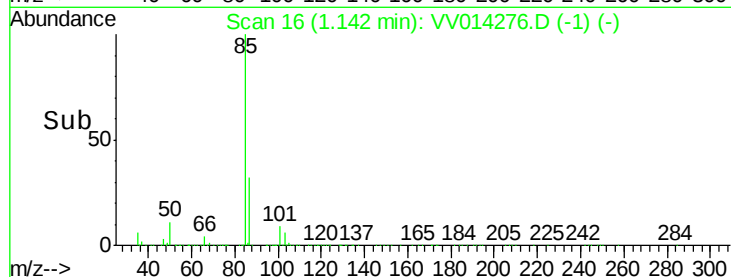
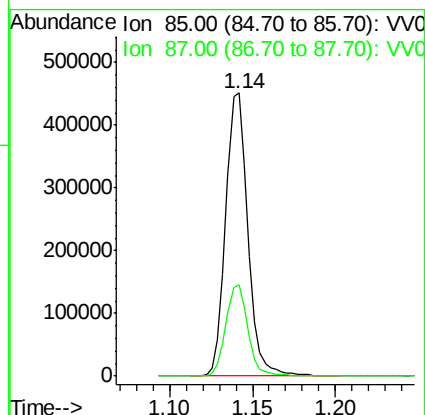
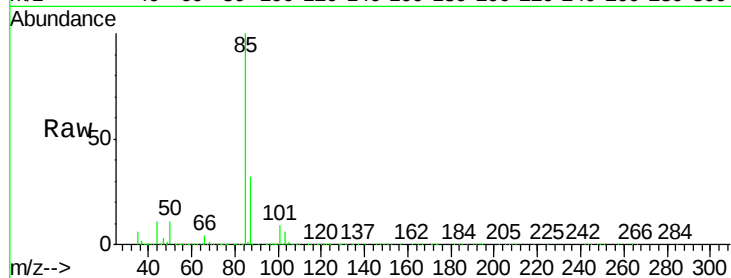
VSTD00554

Tgt Ion: 85 Resp: 419732

Ion Ratio Lower Upper

85 100

87 32.0 25.1 37.7



#3

Chloromethane

Concen: 4.912 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014276.D

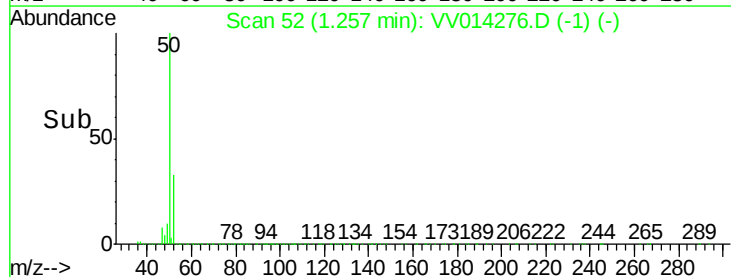
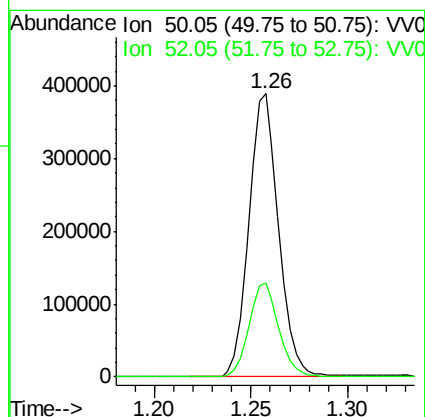
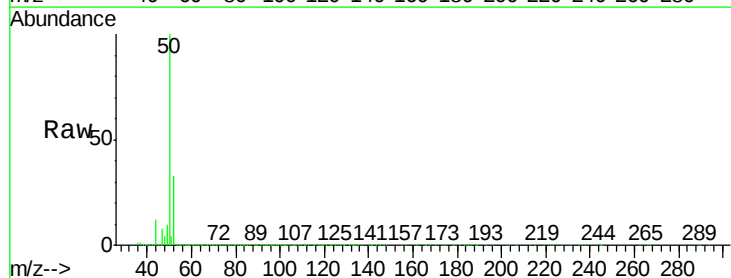
Acq: 13 Jan 2020 12:28

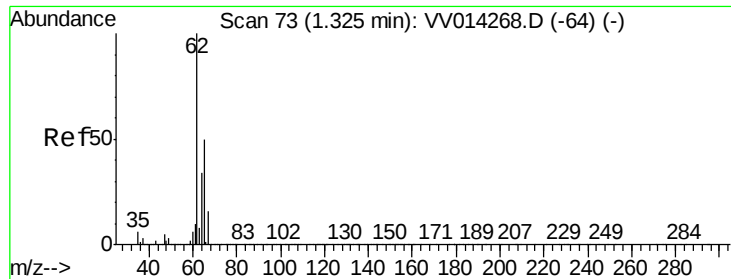
Tgt Ion: 50 Resp: 414986

Ion Ratio Lower Upper

50 100

52 33.3 22.3 41.3





#5

Vinyl chloride

Concen: 5.092 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

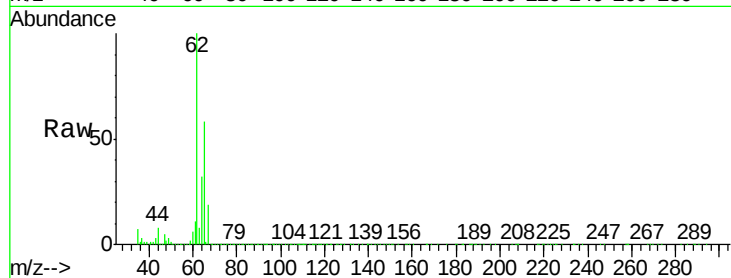
VSTD00554

Tgt Ion: 62 Resp: 401794

Ion Ratio Lower Upper

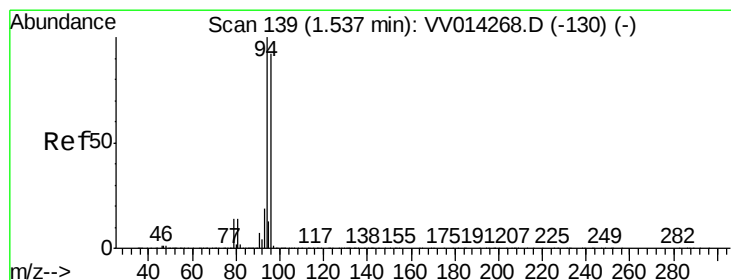
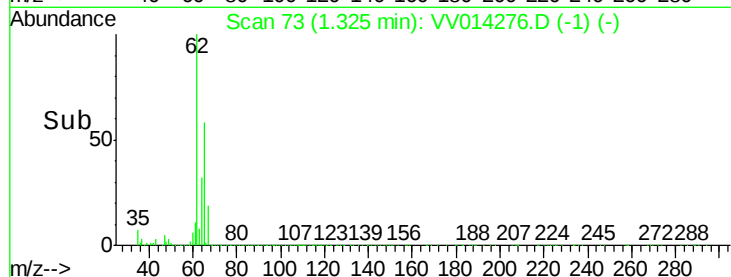
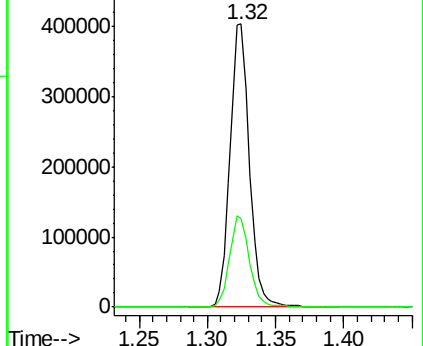
62 100

64 31.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.036 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014276.D

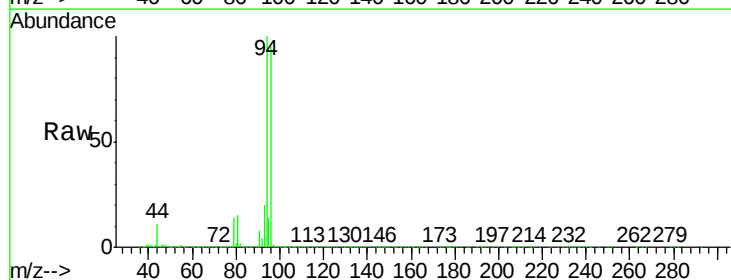
Acq: 13 Jan 2020 12:28

Tgt Ion: 94 Resp: 225454

Ion Ratio Lower Upper

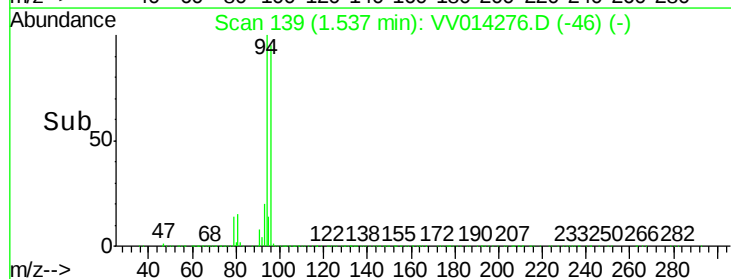
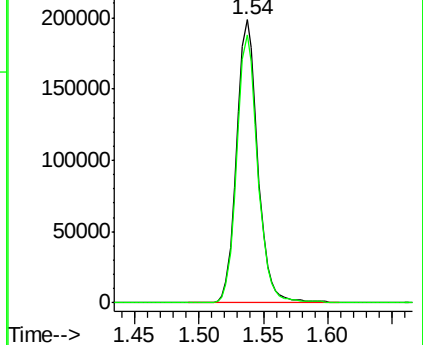
94 100

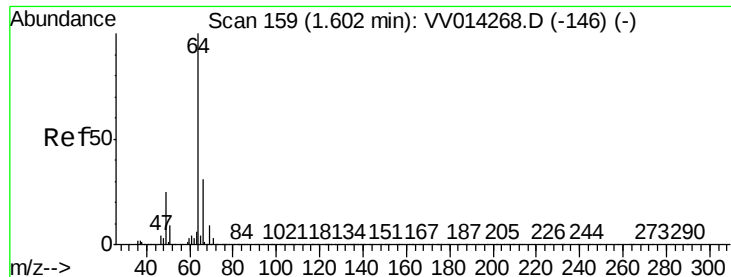
96 94.8 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.845 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

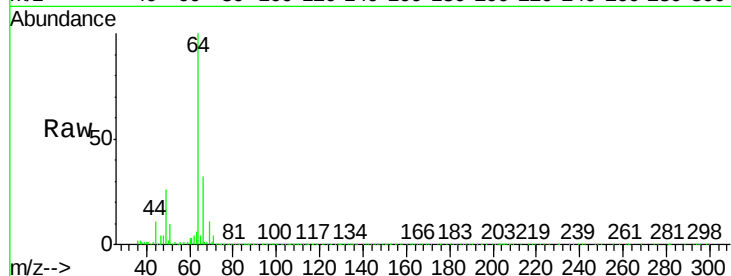
VSTD00554

Tgt Ion: 64 Resp: 214788

Ion Ratio Lower Upper

64 100

66 32.5 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014276.D (-66) (-)

Ion 66.05 (65.75 to 66.75): VV014276.D (-66) (-)

1.60

200000

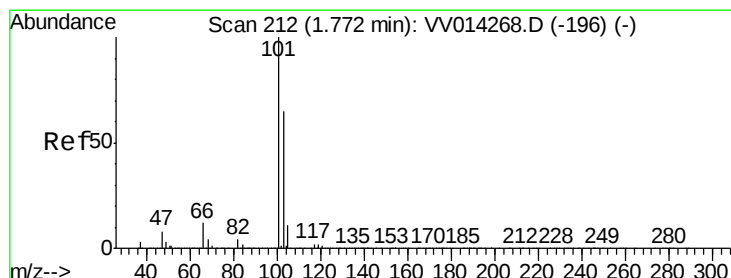
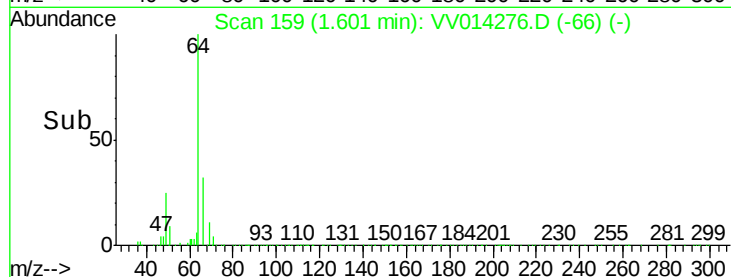
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.508 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014276.D

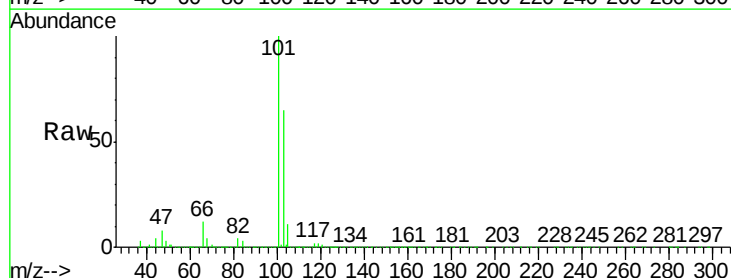
Acq: 13 Jan 2020 12:28

Tgt Ion: 101 Resp: 513077

Ion Ratio Lower Upper

101 100

103 64.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV014276.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VV014276.D (-119) (-)

1.77

400000

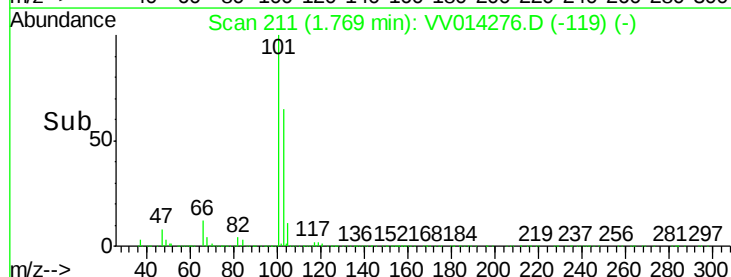
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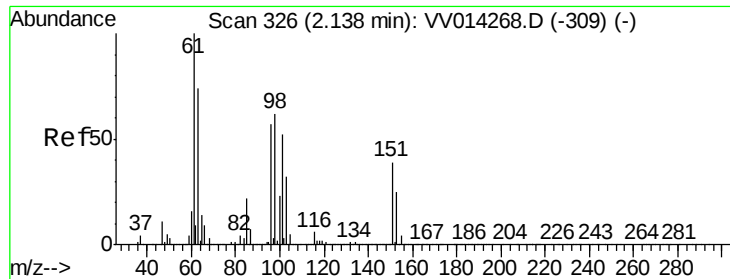
200000

100000

0

Time-->





#10

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

Concen: 5.616 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

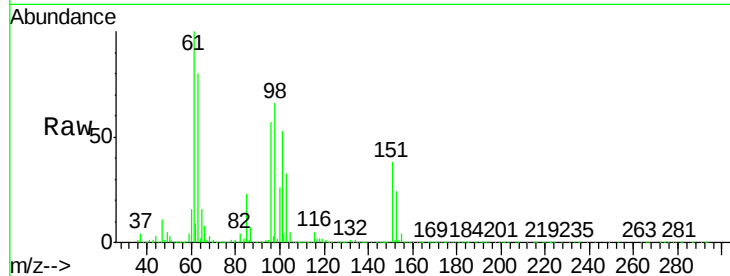
Tgt Ion: 101 Resp: 283349

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

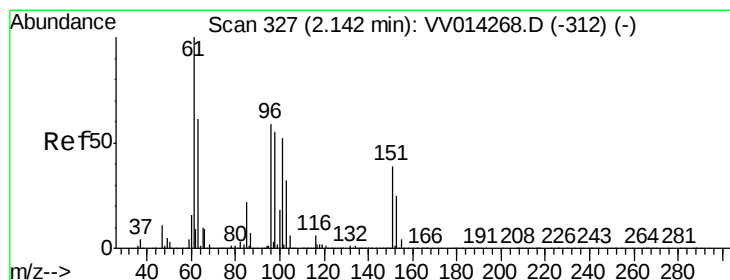
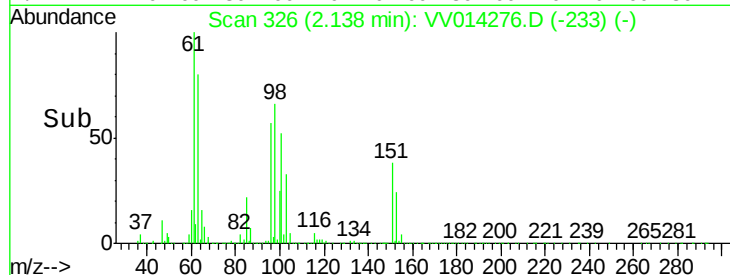
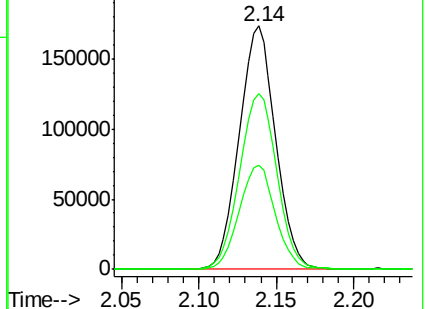
151 74.3 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014276.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014276.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014276.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.353 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

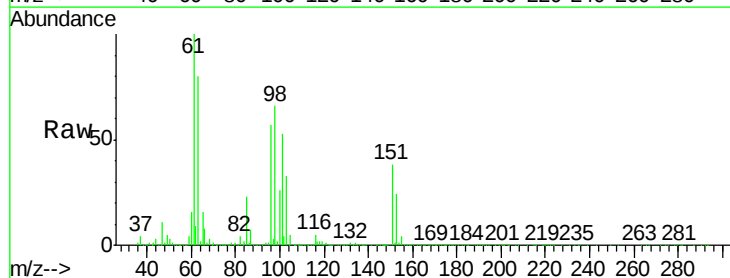
Tgt Ion: 96 Resp: 269596

Ion Ratio Lower Upper

96 100

61 174.1 121.5 225.7

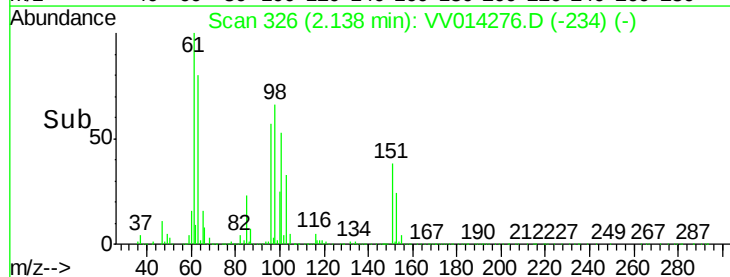
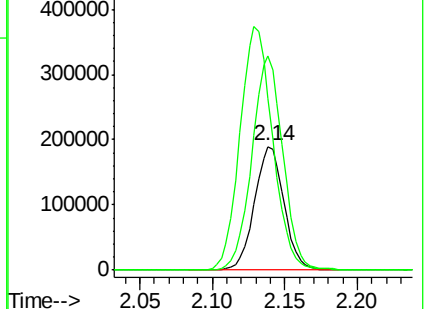
63 139.3 90.3 167.7

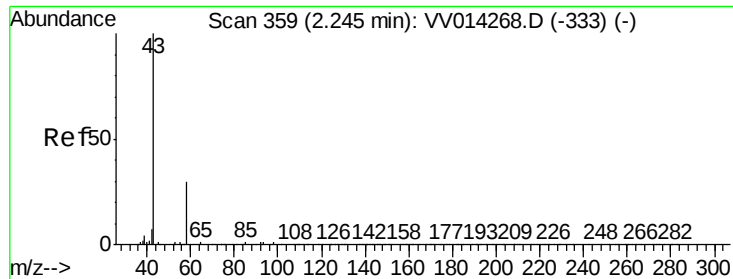


Abundance Ion 96.00 (95.70 to 96.70): VV014276.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV014276.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014276.D (-234) (-)





#13

Acetone

Concen: 35.875 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.02 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

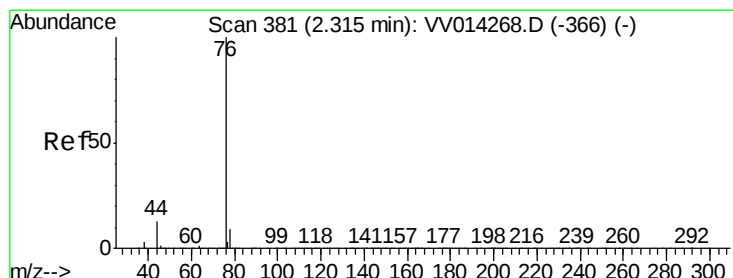
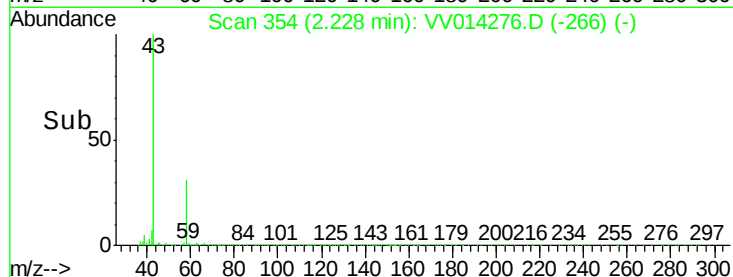
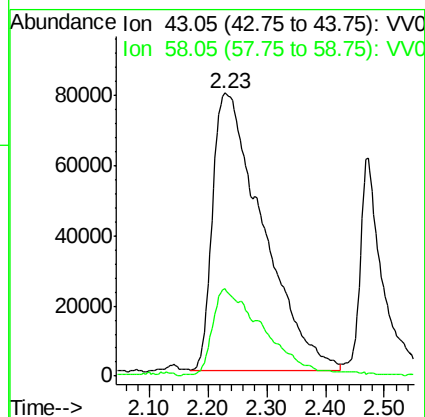
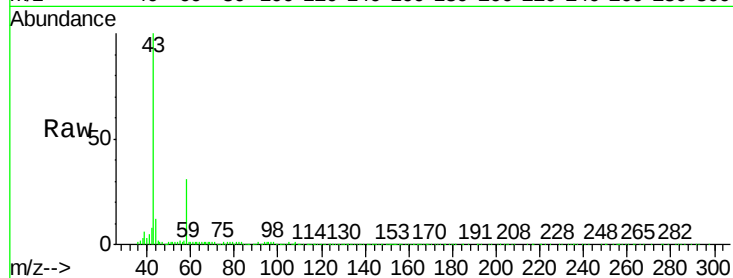
VSTD00554

Tgt Ion: 43 Resp: 468146

Ion Ratio Lower Upper

43 100

58 30.5 0.0 66.0



#14

Carbon disulfide

Concen: 4.946 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014276.D

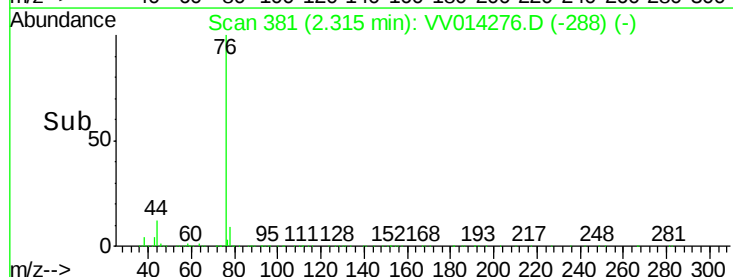
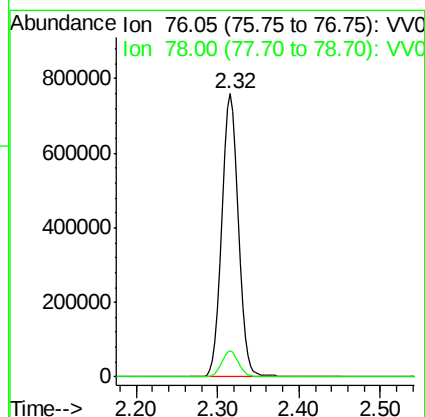
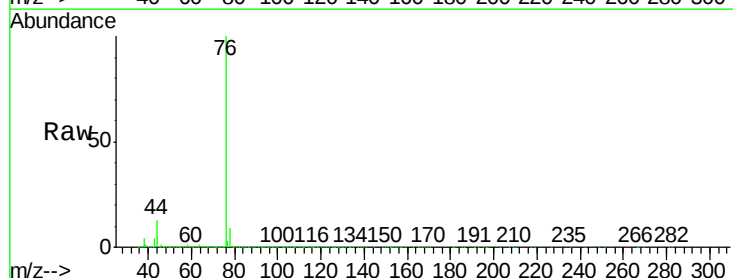
Acq: 13 Jan 2020 12:28

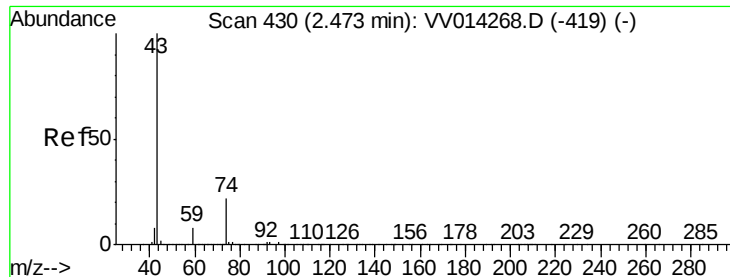
Tgt Ion: 76 Resp: 1105531

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

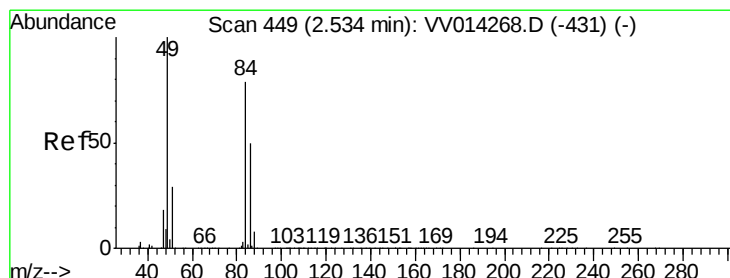
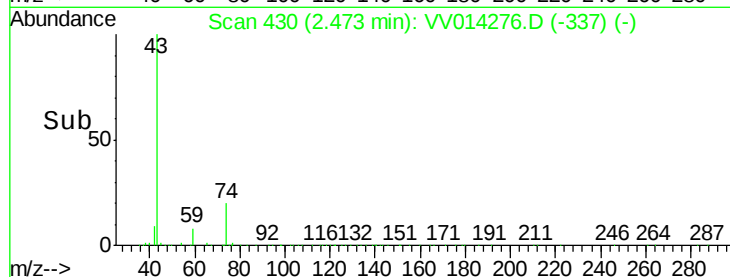
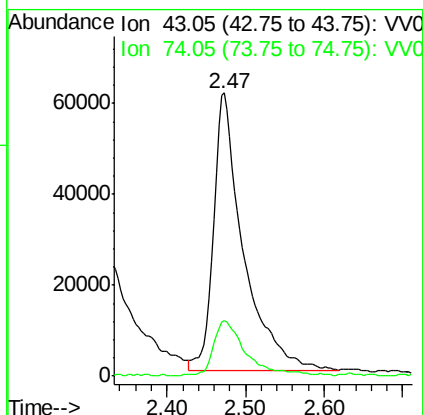
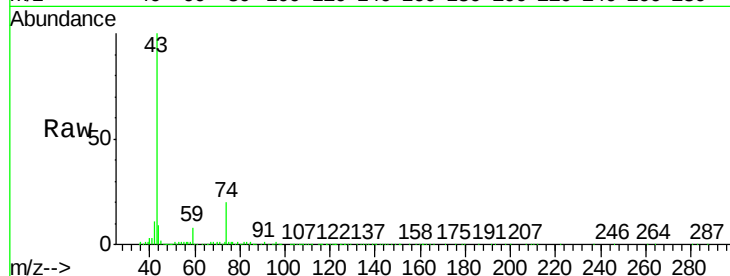




#15
Methyl Acetate
Concen: 5.229 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

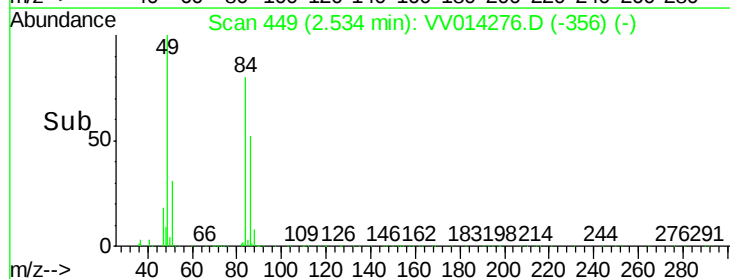
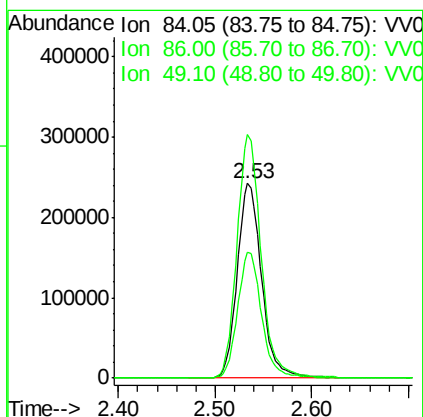
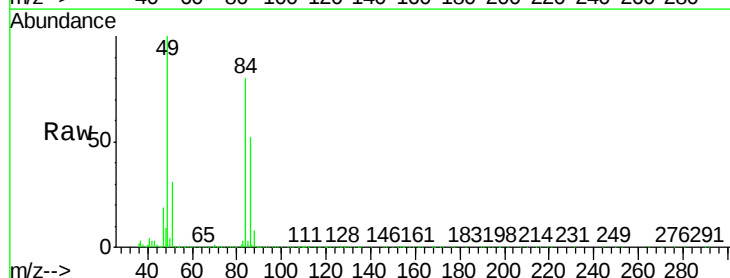
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

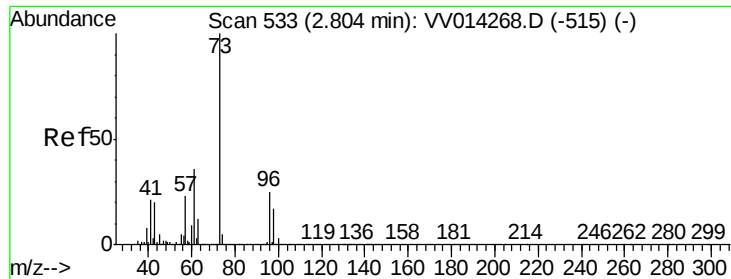
Tgt Ion: 43 Resp: 158835
Ion Ratio Lower Upper
43 100
74 19.4 18.6 28.0



#16
Methylene chloride
Concen: 5.154 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Tgt Ion: 84 Resp: 422594
Ion Ratio Lower Upper
84 100
86 64.8 43.1 80.1
49 125.2 82.1 152.5

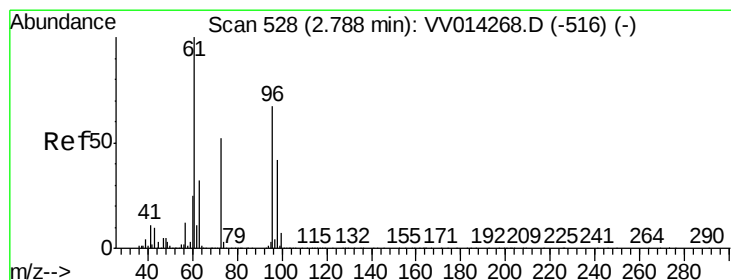
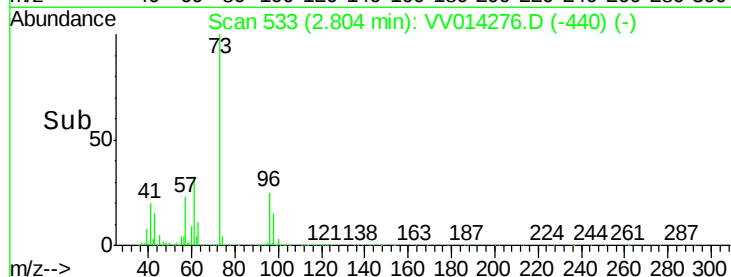
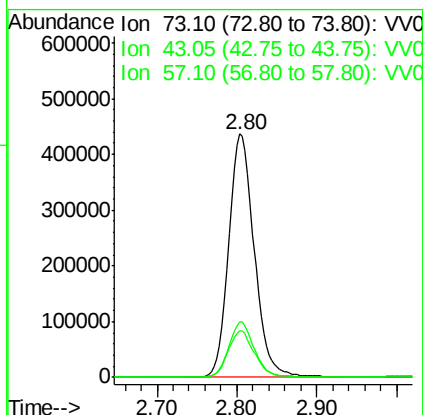
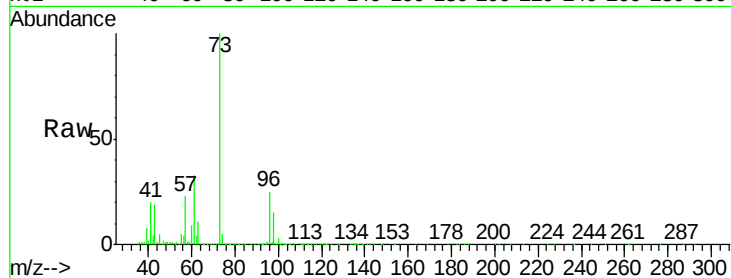




#17
Methyl tert-butyl Ether
Concen: 5.104 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

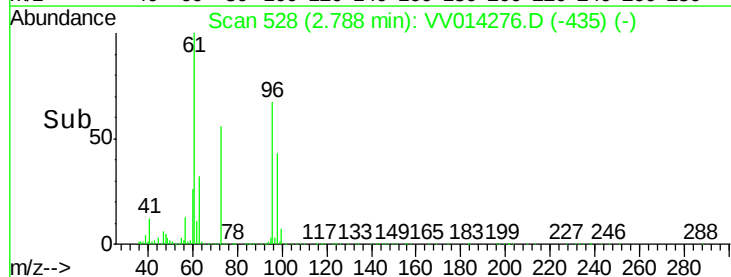
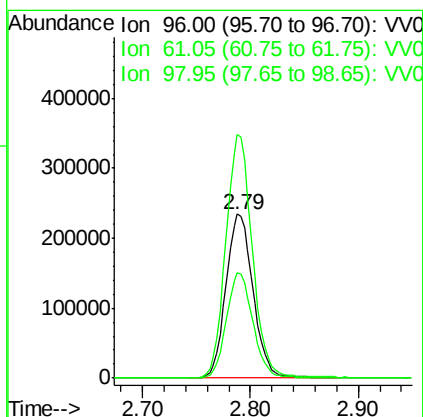
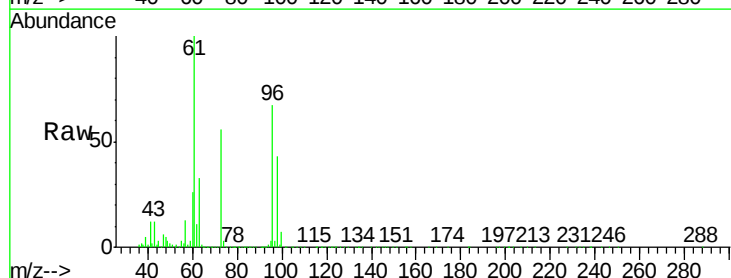
Instrument :
MSVOA_V
ClientSampled :
VSTD00554

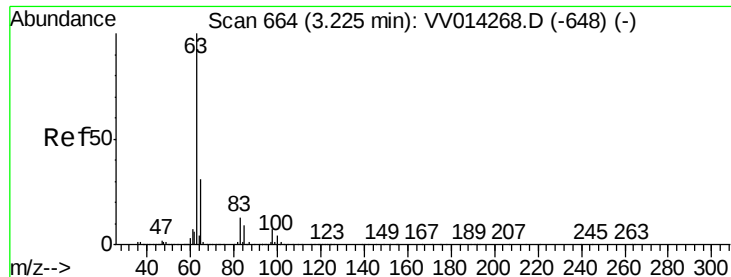
Tgt Ion:	73	Resp:	951492
Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.7	22.1
57	22.6	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 5.412 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Tgt Ion:	96	Resp:	409776
Ion	Ratio	Lower	Upper
96	100		
61	148.6	99.2	184.2
98	64.4	43.1	80.1

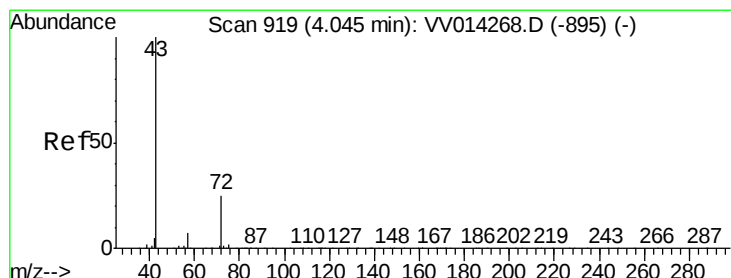
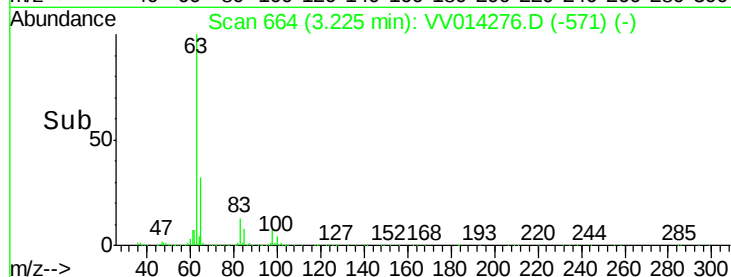
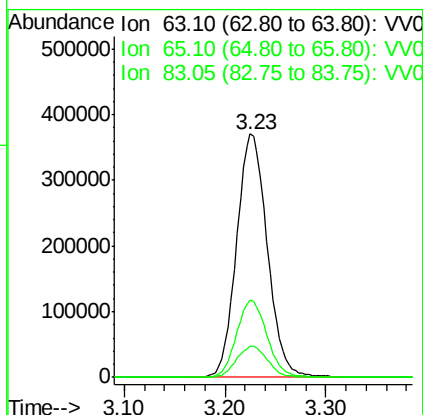
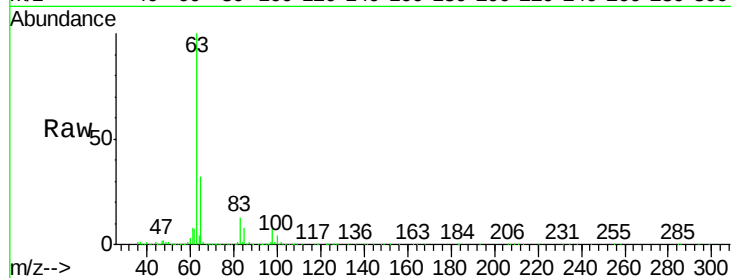




#19
 1,1-Dichloroethane
 Concen: 5.261 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

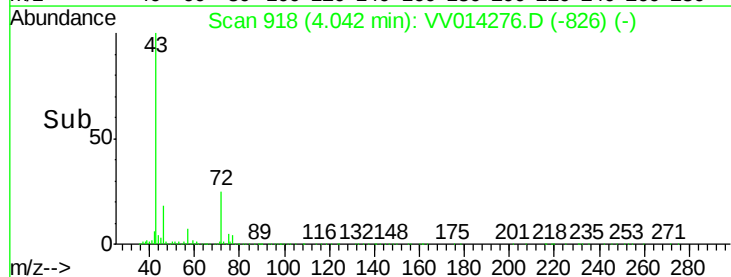
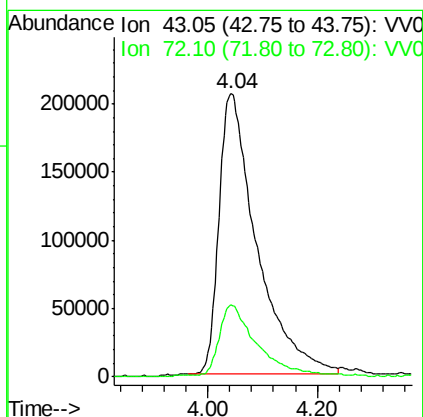
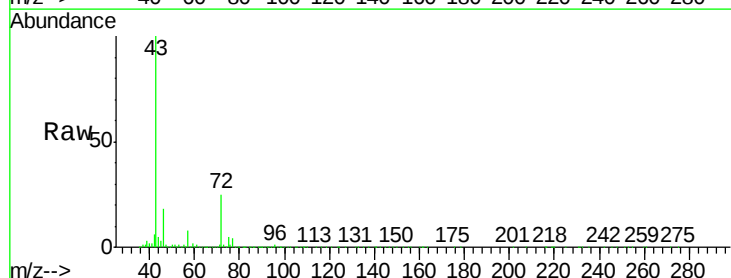
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

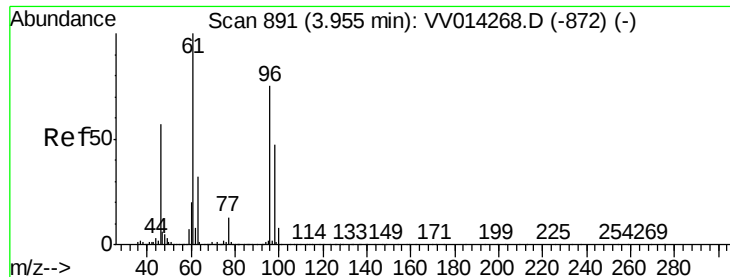
Tgt Ion: 63 Resp: 780762
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.3
 83 12.6 10.0 18.6



#21
 2-Butanone
 Concen: 50.534 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion: 43 Resp: 989149
 Ion Ratio Lower Upper
 43 100
 72 24.9 12.4 37.2



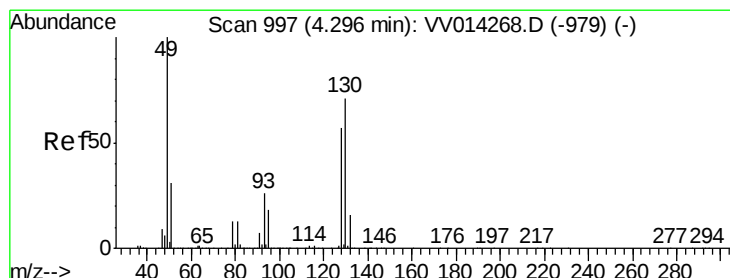
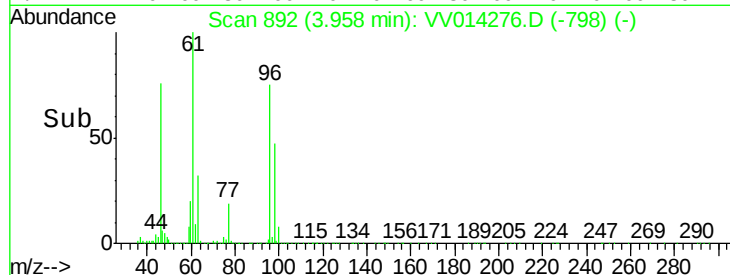
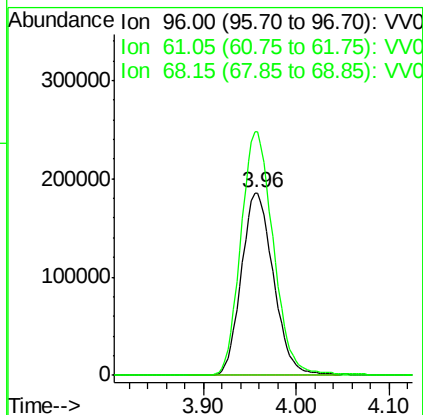
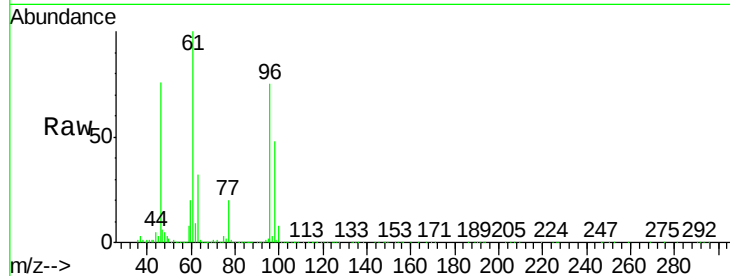


#22

cis-1,2-Dichloroethene
Concen: 5.386 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

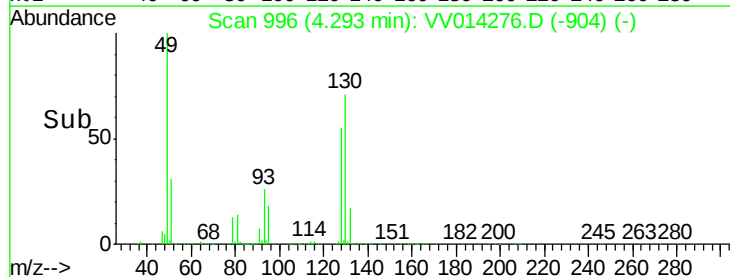
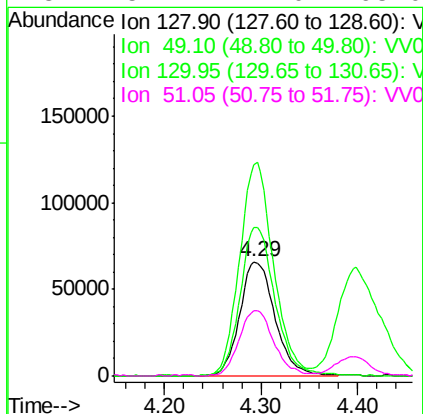
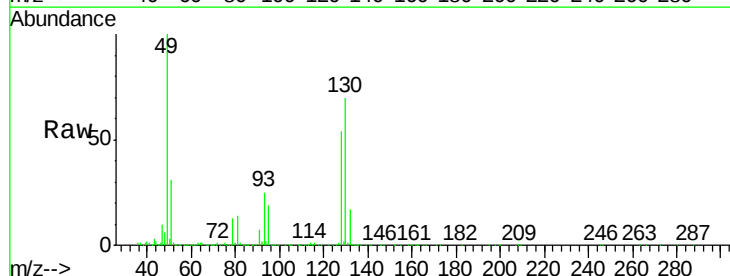
Tgt Ion: 96 Resp: 446982
Ion Ratio Lower Upper
96 100
61 133.1 90.6 168.3
68 0.1 0.3 0.7#

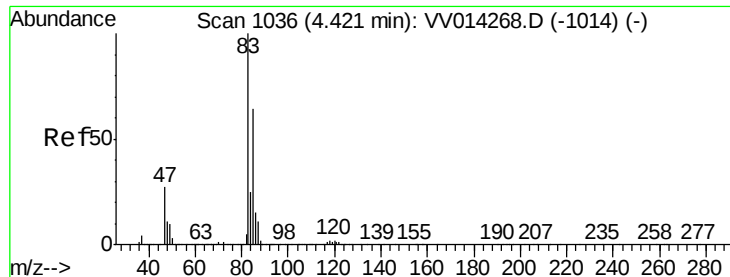


#23

Bromochloromethane
Concen: 5.301 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Tgt Ion: 128 Resp: 167250
Ion Ratio Lower Upper
128 100
49 184.7 117.5 218.1
130 130.0 93.7 173.9
51 57.1 42.0 63.0





#25

Chloroform

Concen: 5.267 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

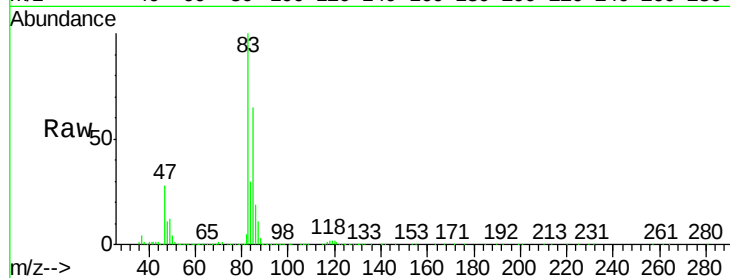
VSTD00554

Tgt Ion: 83 Resp: 748247

Ion Ratio Lower Upper

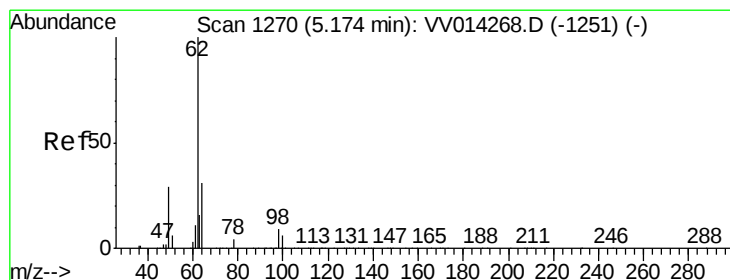
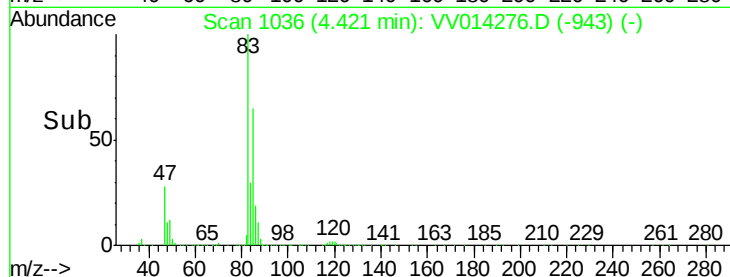
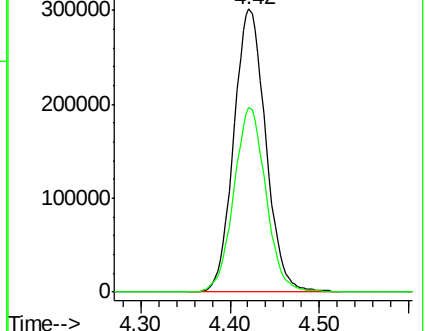
83 100

85 65.1 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 5.108 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014276.D

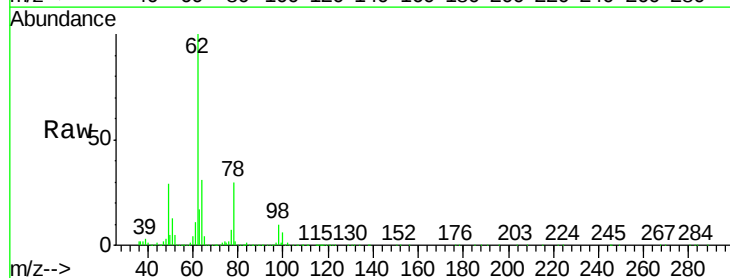
Acq: 13 Jan 2020 12:28

Tgt Ion: 62 Resp: 434144

Ion Ratio Lower Upper

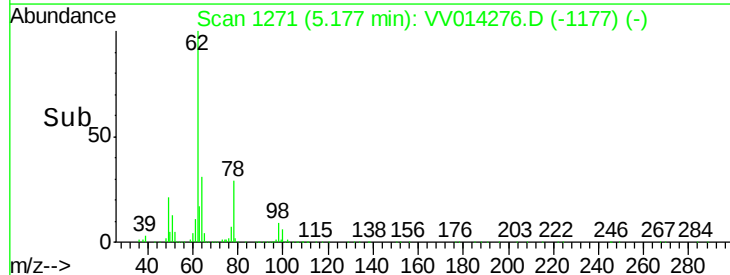
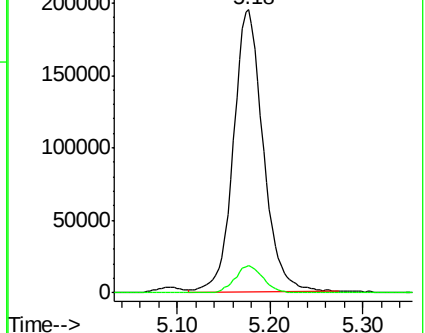
62 100

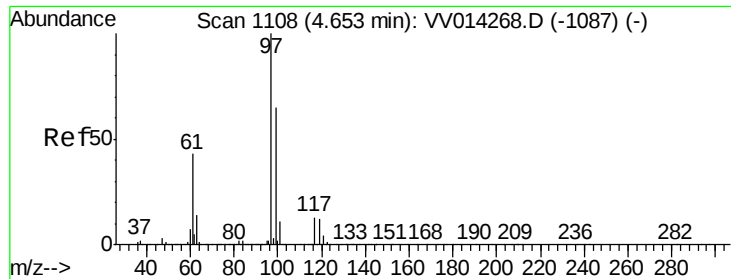
98 9.6 9.2 13.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

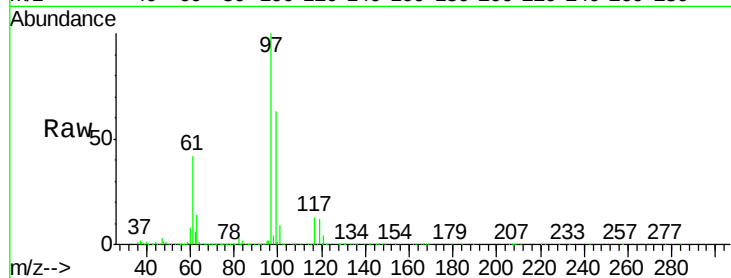




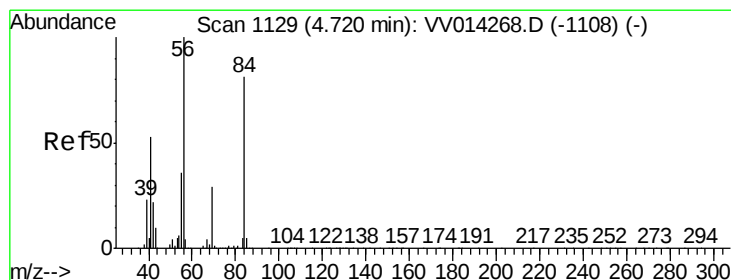
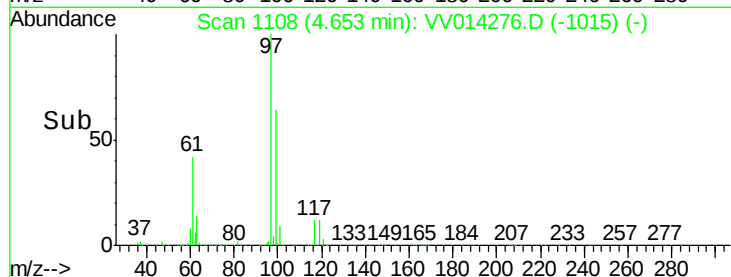
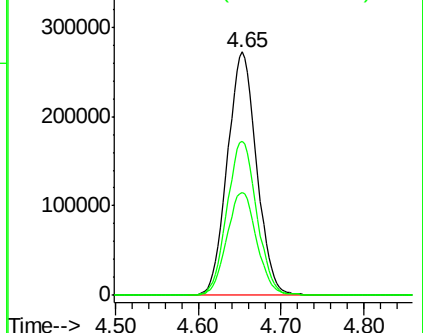
#29
 1,1,1-Trichloroethane
 Concen: 5.447 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	43.5	33.9	50.9

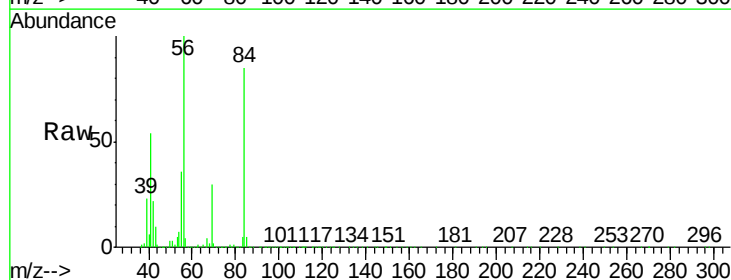


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

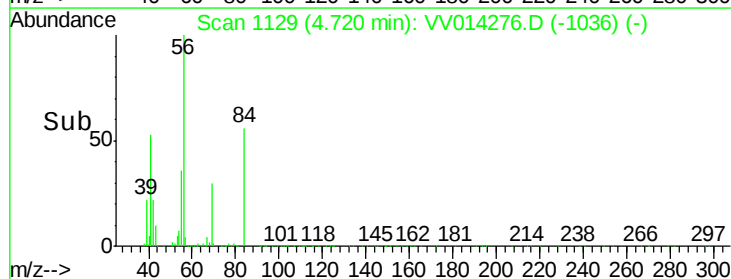
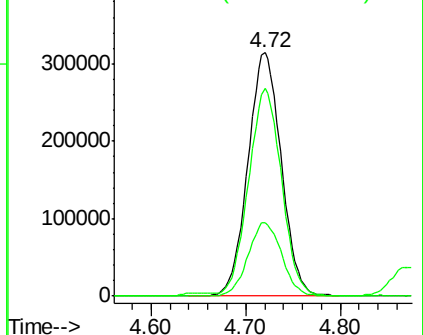


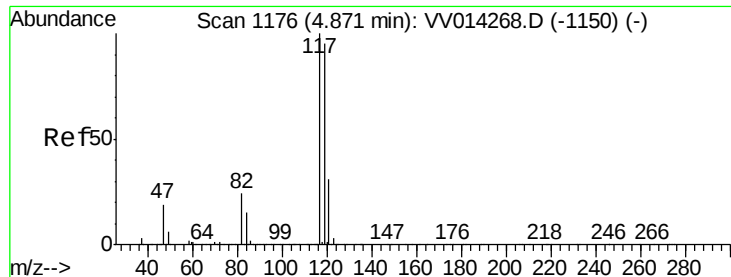
#30
 Cyclohexane
 Concen: 5.677 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.9	35.9
84	84.4	68.9	103.3



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

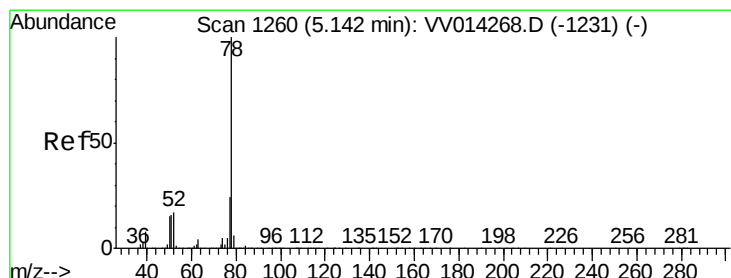
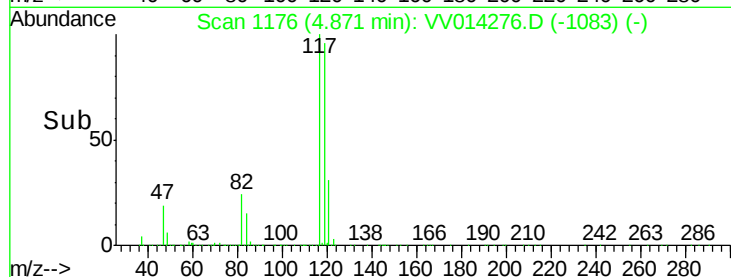
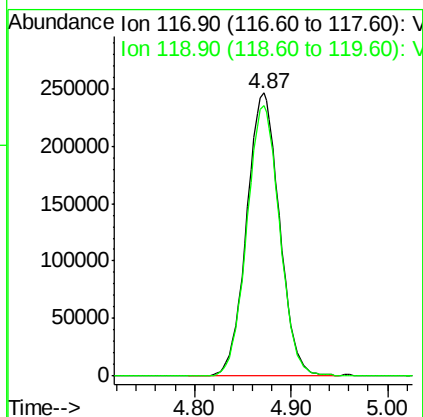
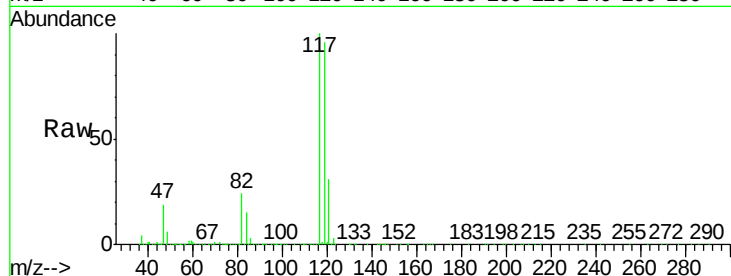




#31
Carbon tetrachloride
Concen: 5.497 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

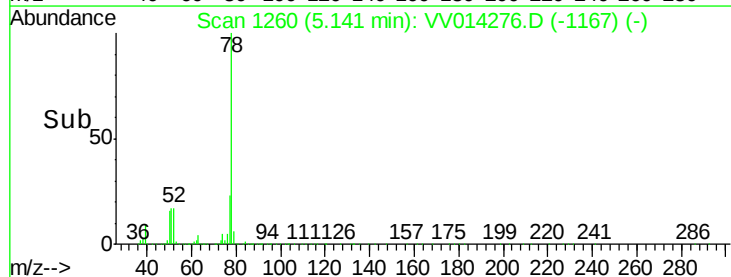
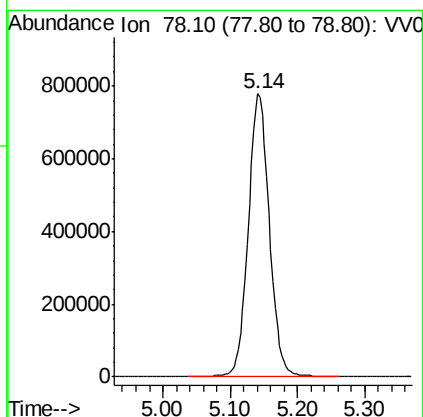
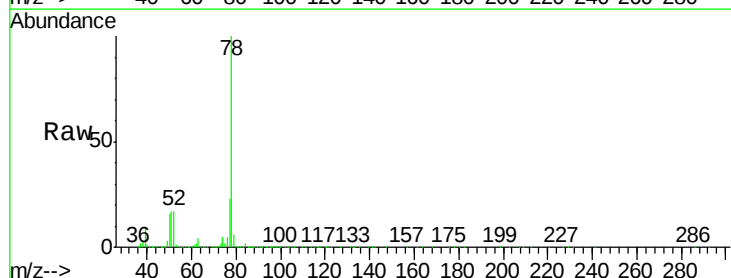
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

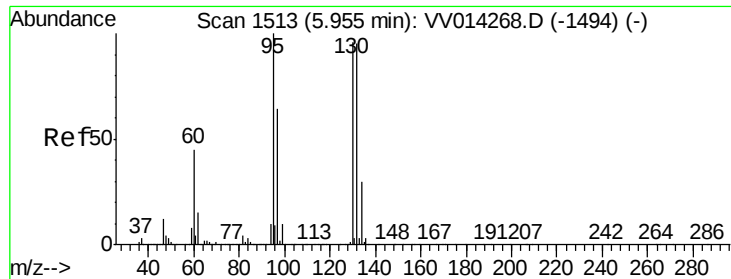
Tgt Ion:117 Resp: 575997
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 5.366 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Tgt Ion: 78 Resp: 1698781

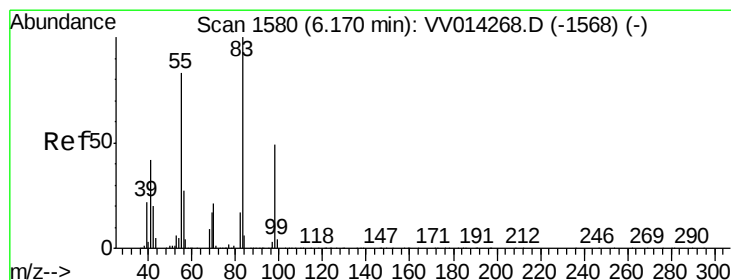
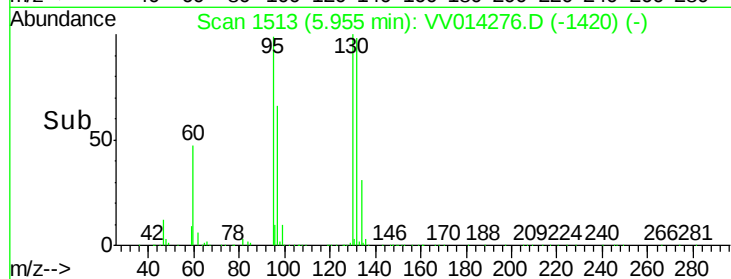
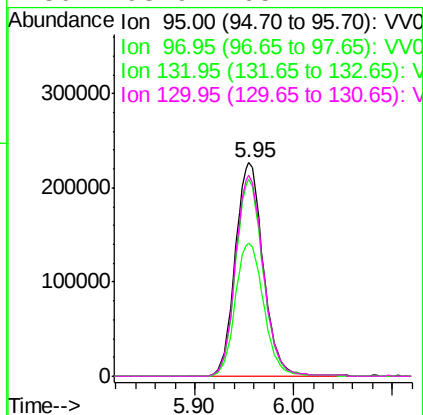
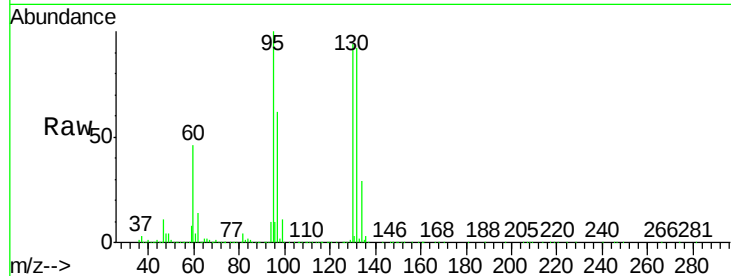




#34
 Trichloroethene
 Concen: 5.478 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

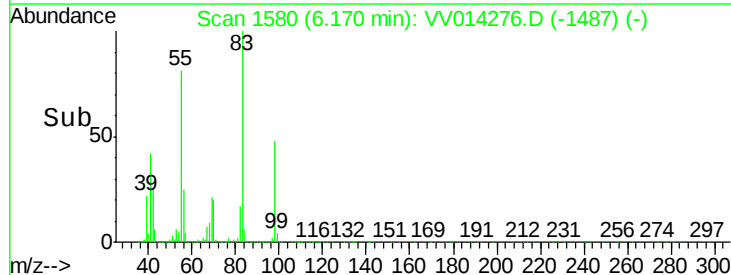
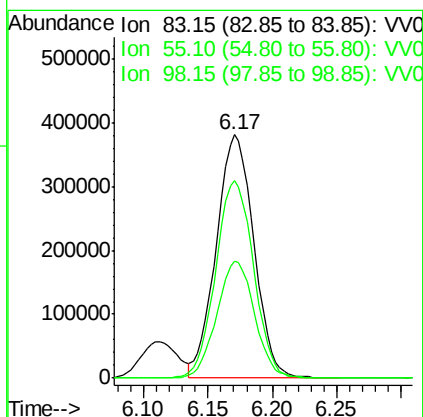
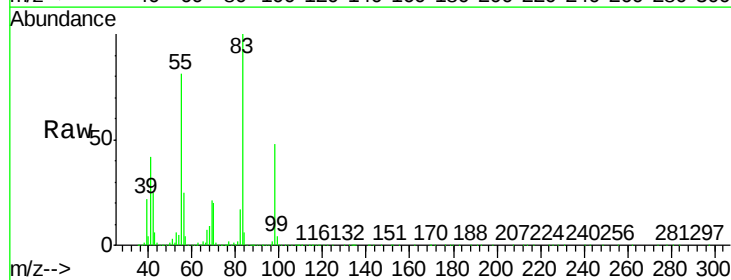
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

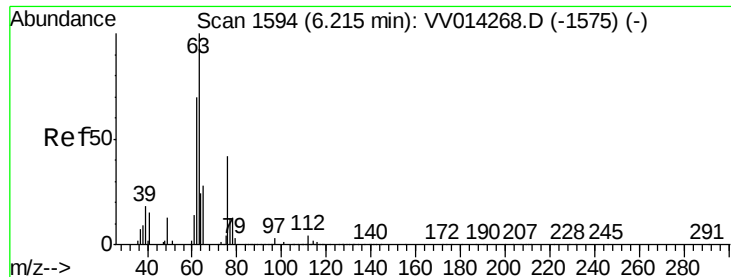
Tgt Ion:	95	Resp:	445632
Ion	Ratio	Lower	Upper
95	100		
97	62.1	43.8	81.3
132	92.2	63.4	117.8
130	93.9	65.7	122.1



#35
 Methylcyclohexane
 Concen: 5.794 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion:	83	Resp:	770634
Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.7	92.5
98	48.5	38.1	57.1





#37

1,2-Dichloropropane

Concen: 5.270 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

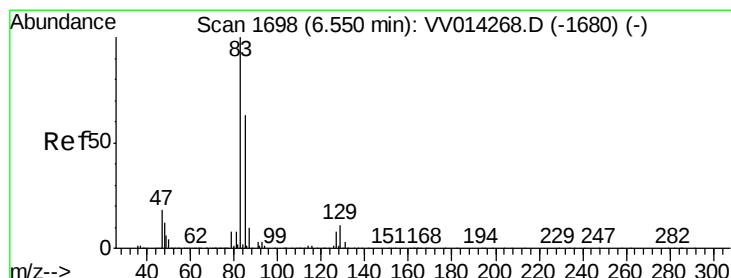
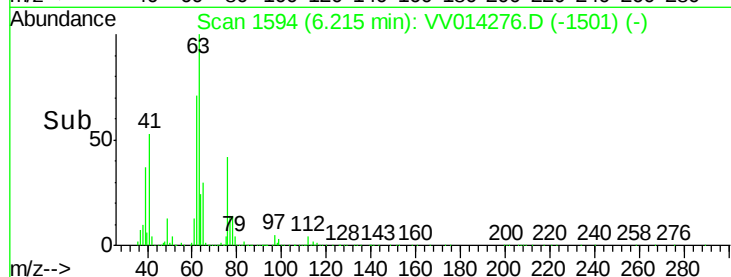
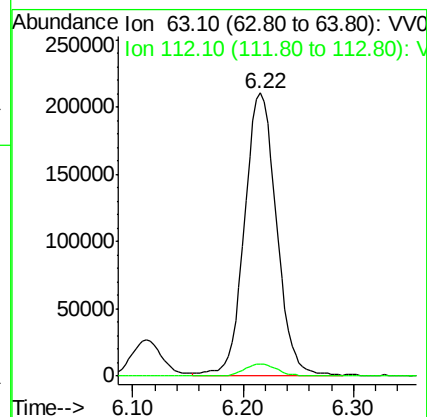
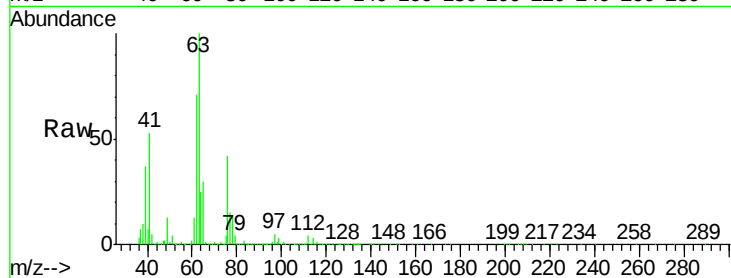
VSTD00554

Tgt Ion: 63 Resp: 421098

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 5.218 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

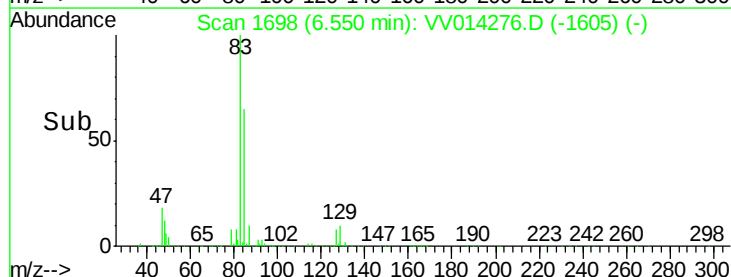
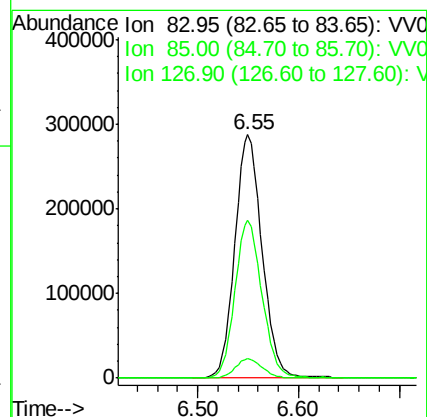
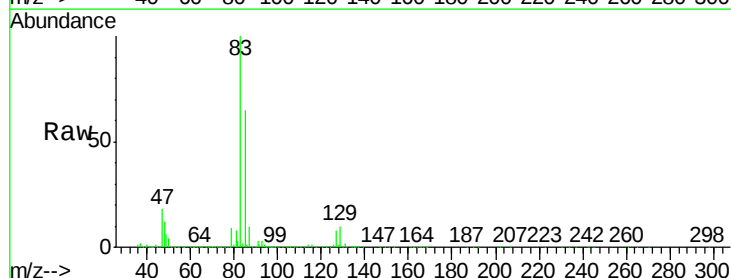
Tgt Ion: 83 Resp: 537589

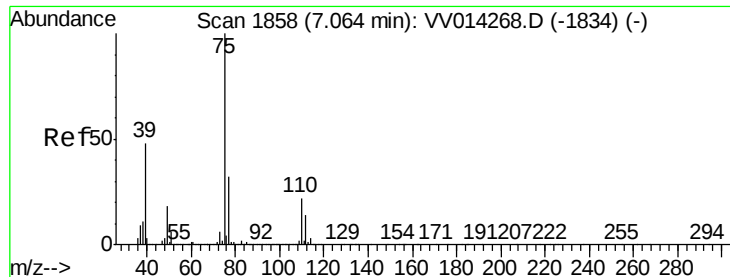
Ion Ratio Lower Upper

83 100

85 64.7 46.4 86.2

127 8.0 6.3 9.5

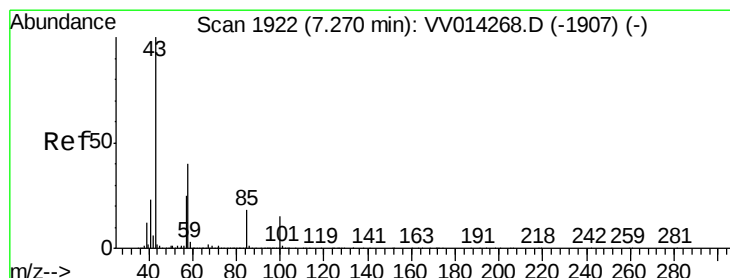
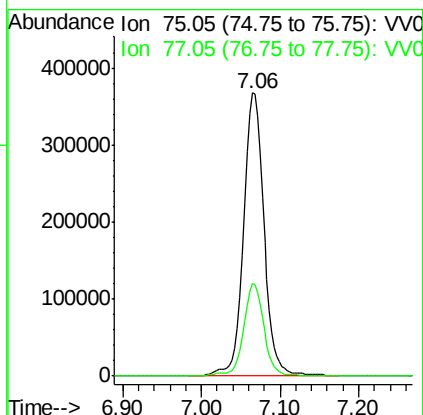
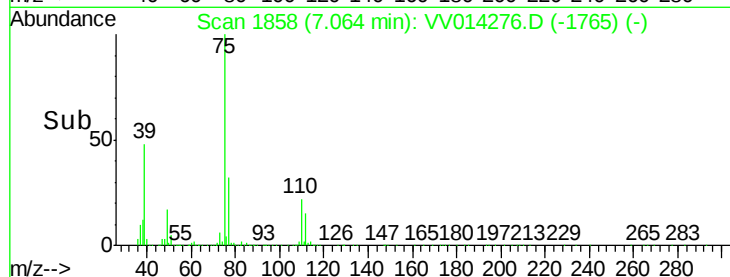
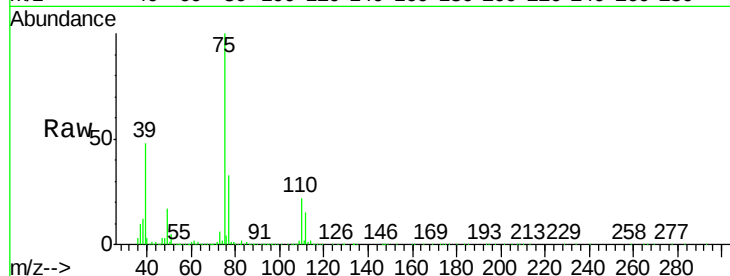




#39
 cis-1,3-Dichloropropene
 Concen: 5.224 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

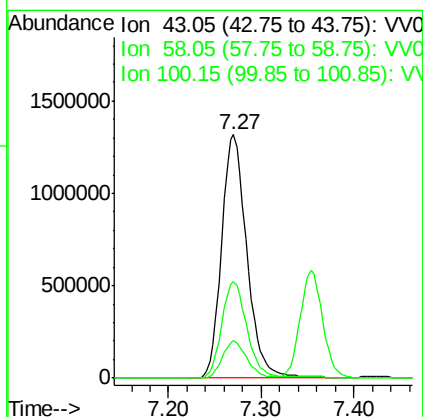
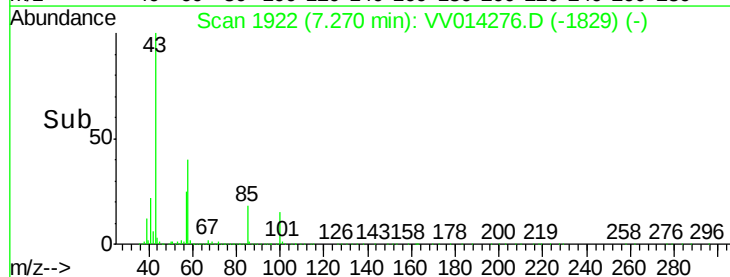
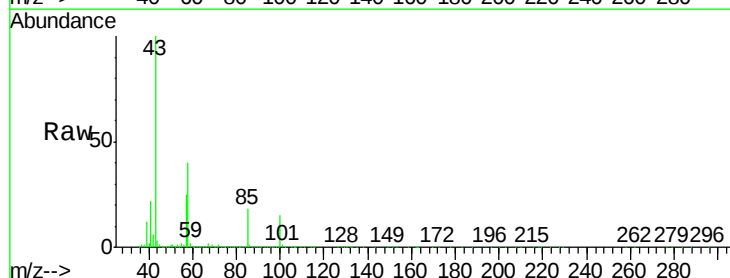
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

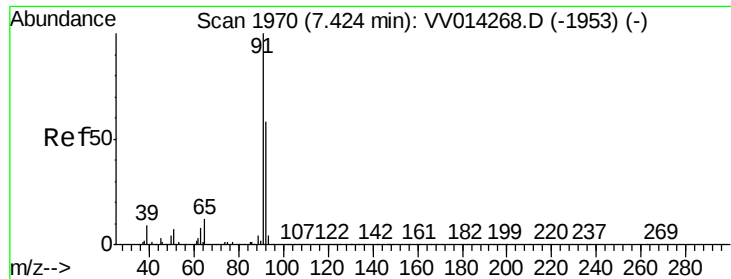
Tgt Ion: 75 Resp: 675792
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 49.535 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion: 43 Resp: 2495023
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 14.9 12.2 18.2





#42

Toluene

Concen: 5.388 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

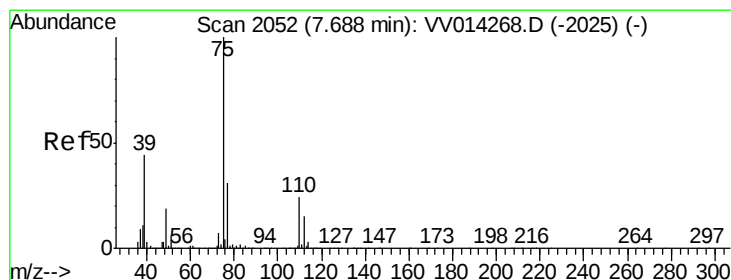
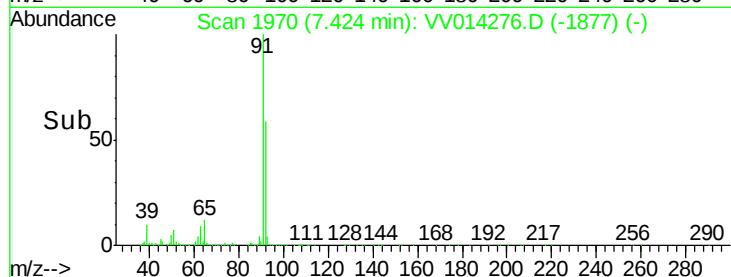
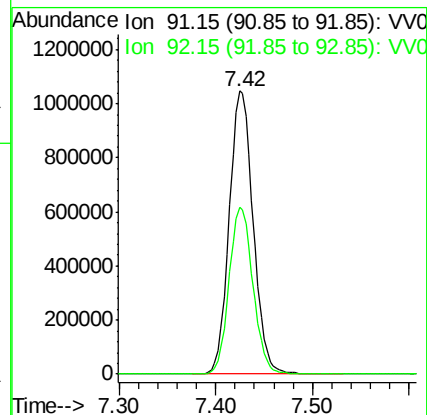
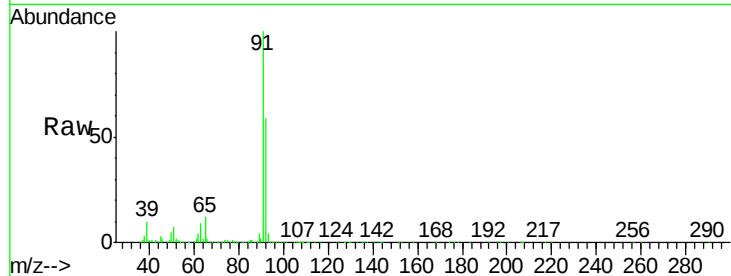
VSTD00554

Tgt Ion: 91 Resp: 1800580

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.179 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014276.D

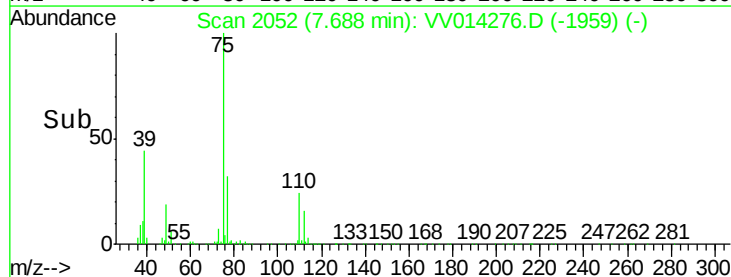
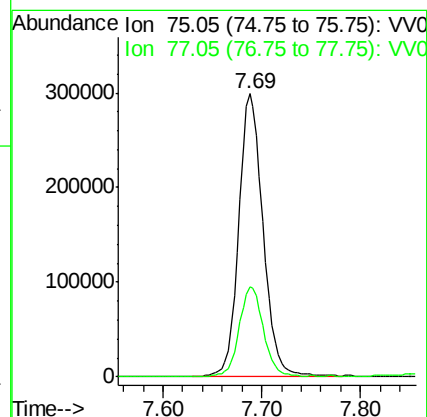
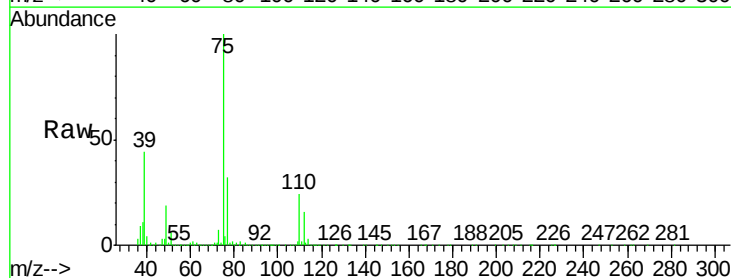
Acq: 13 Jan 2020 12:28

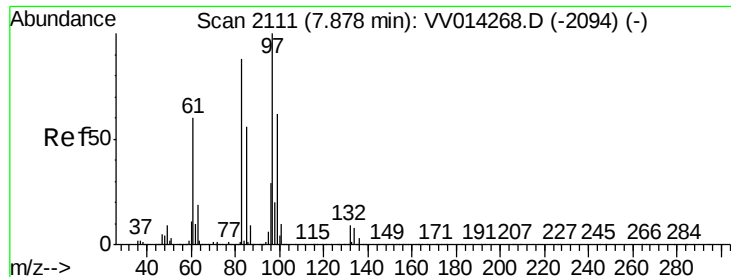
Tgt Ion: 75 Resp: 514463

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.159 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 97 Resp: 263351

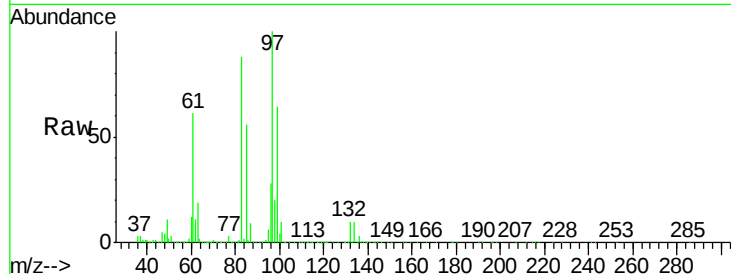
Ion Ratio Lower Upper

97 100

99 63.8 43.7 81.1

83 88.2 60.0 111.4

85 55.6 39.2 72.8

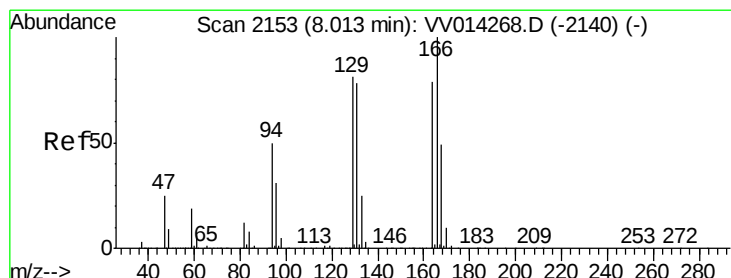
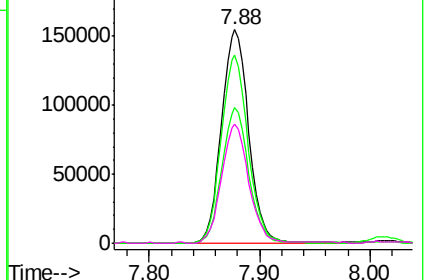
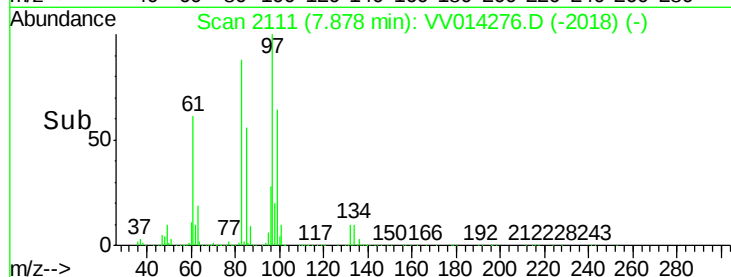


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.582 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Tgt Ion: 164 Resp: 310229

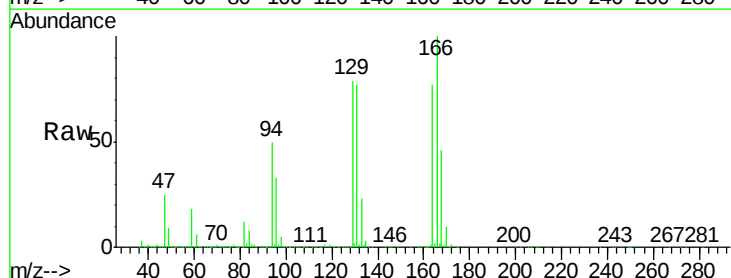
Ion Ratio Lower Upper

164 100

129 102.6 71.7 133.3

131 100.7 70.4 130.8

166 130.4 90.3 167.7

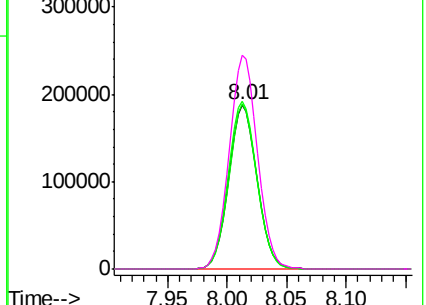
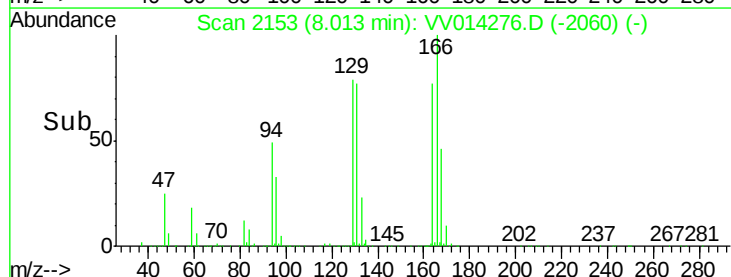


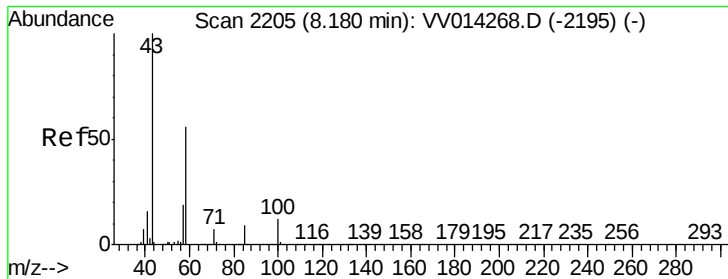
Abundance Ion 163.90 (163.60 to 164.60): V

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



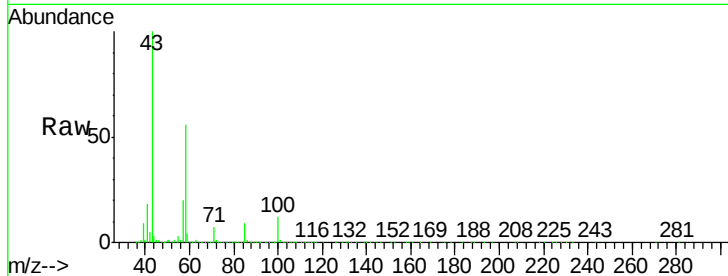


#48
2-Hexanone
Concen: 51.112 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 43 Resp: 1780681

Ion	Ratio	Lower	Upper
43	100		
58	54.8	45.4	68.0
57	19.3	15.8	23.8
100	11.7	10.2	15.4

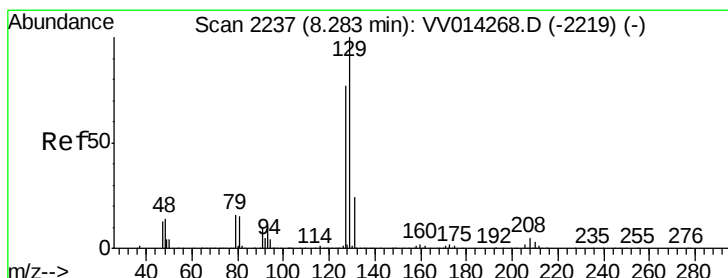
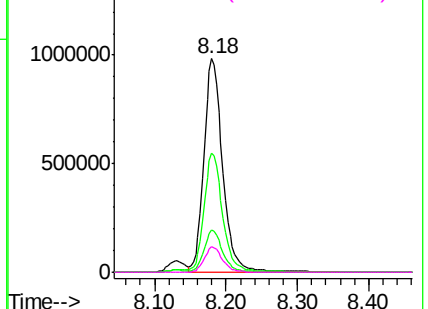
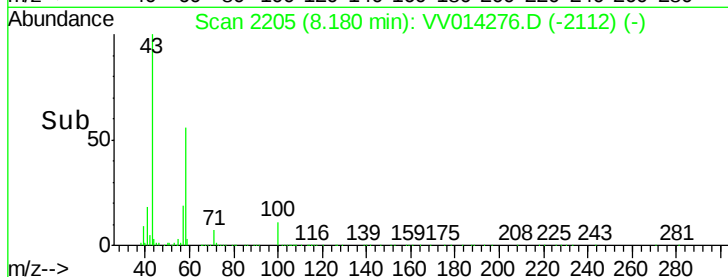


Abundance Ion 43.05 (42.75 to 43.75): VV014276.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014276.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014276.D (-2112) (-)

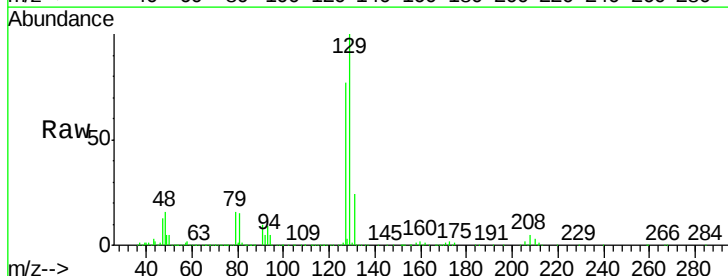
Ion 100.15 (99.85 to 100.85): VV014276.D (-2112) (-)



#49
Dibromochloromethane
Concen: 5.182 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014276.D
Acq: 13 Jan 2020 12:28

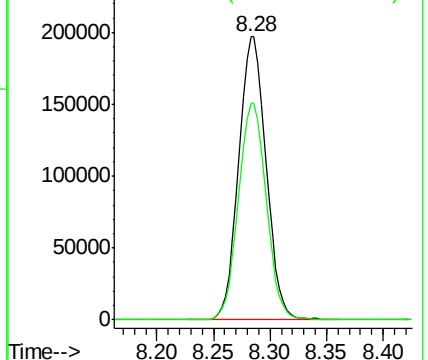
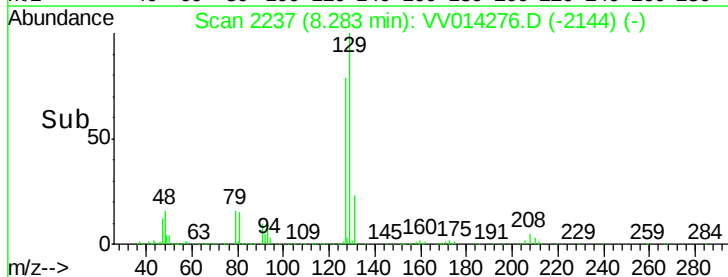
Tgt Ion: 129 Resp: 334427

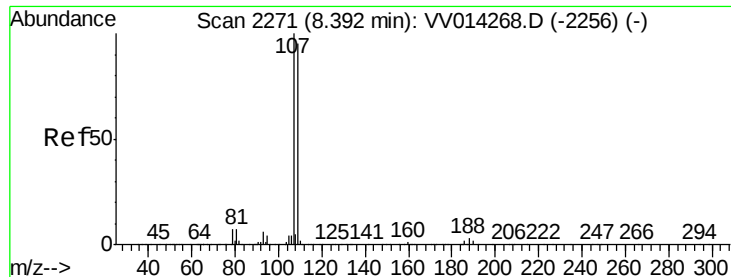
Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014276.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014276.D (-2144) (-)





#50

1,2-Dibromoethane

Concen: 5.096 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

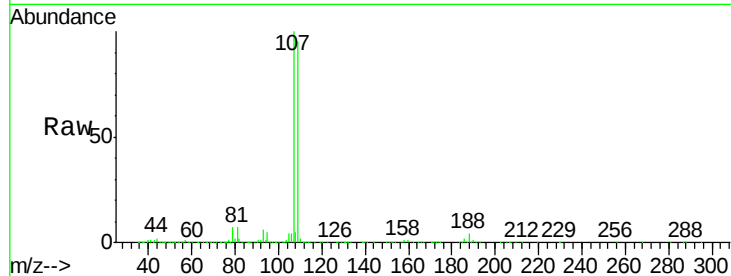
Tgt Ion:107 Resp: 251878

Ion Ratio Lower Upper

107 100

109 95.4 63.0 117.0

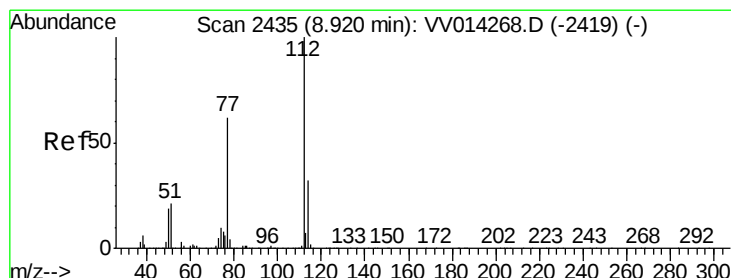
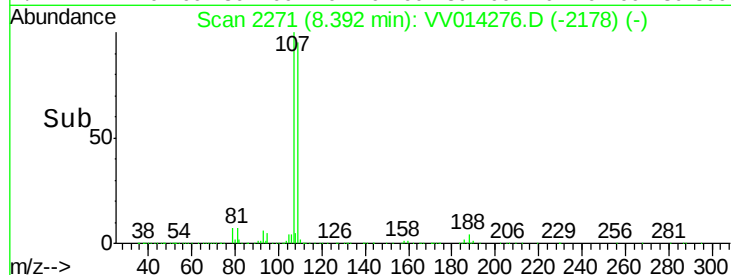
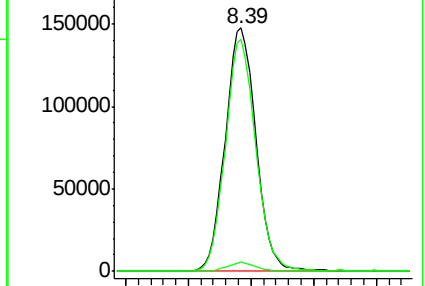
188 3.6 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.364 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

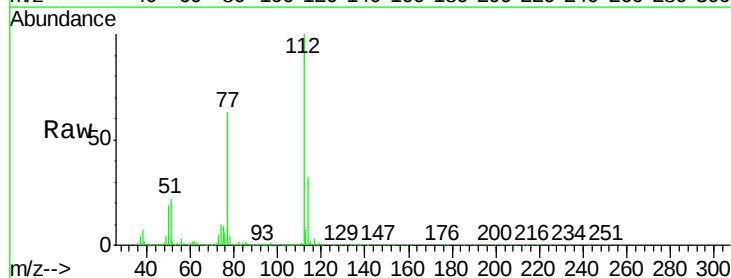
Tgt Ion:112 Resp: 1102345

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

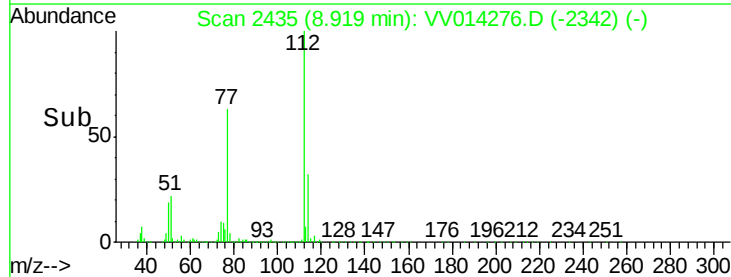
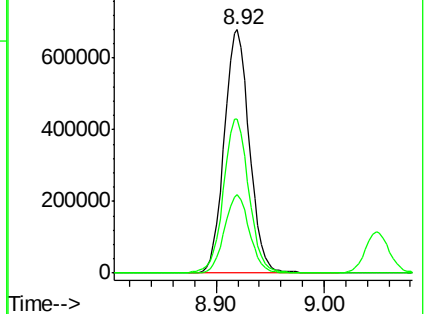
77 63.0 49.3 73.9

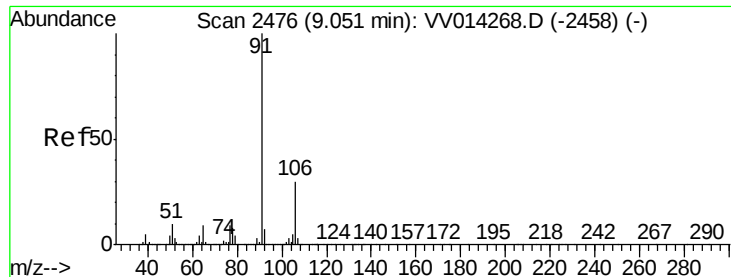


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.473 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

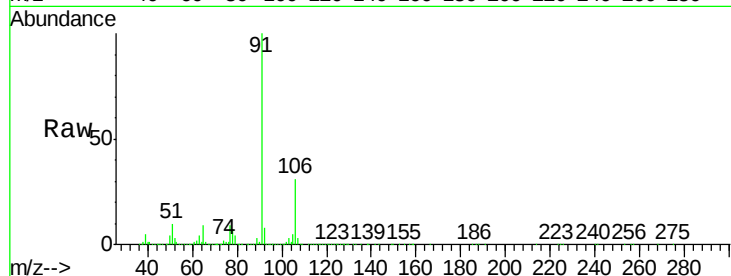
VSTD00554

Tgt Ion: 91 Resp: 2046124

Ion Ratio Lower Upper

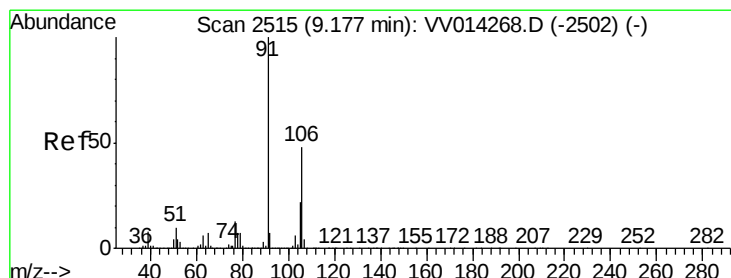
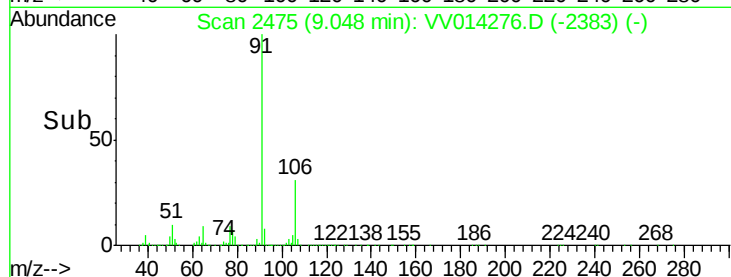
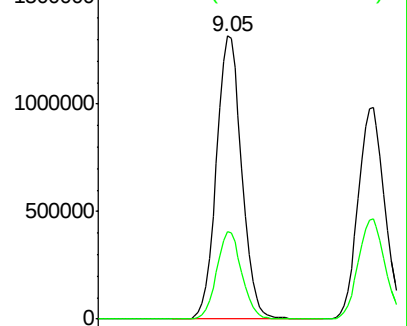
91 100

106 30.7 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.561 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014276.D

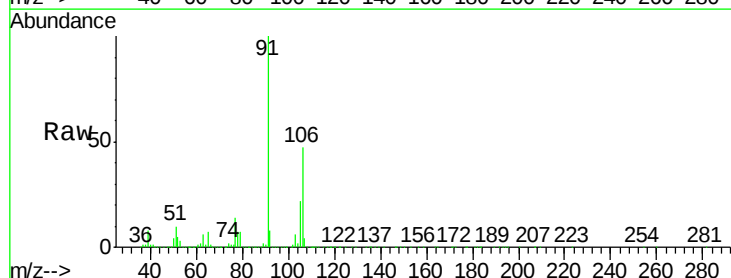
Acq: 13 Jan 2020 12:28

Tgt Ion: 106 Resp: 766965

Ion Ratio Lower Upper

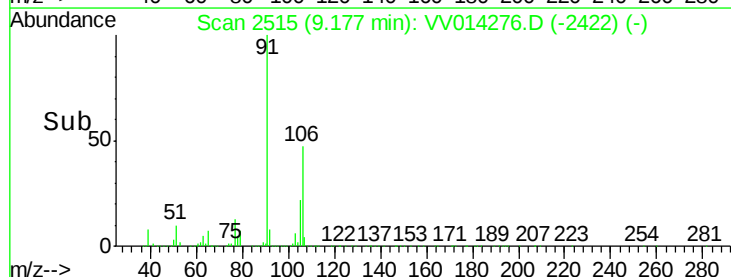
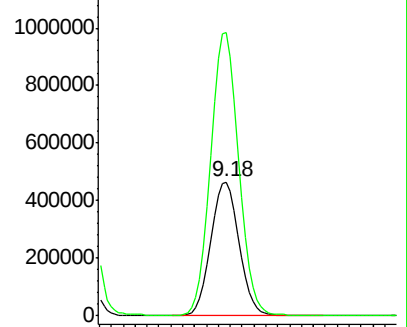
106 100

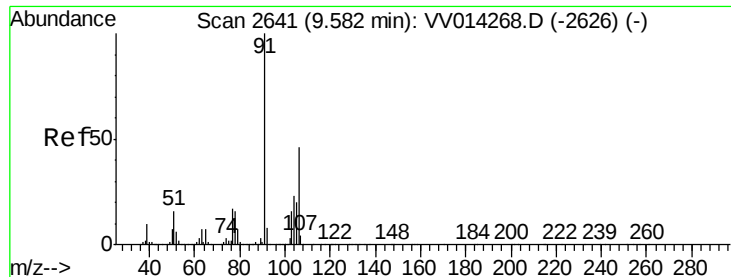
91 211.1 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.468 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

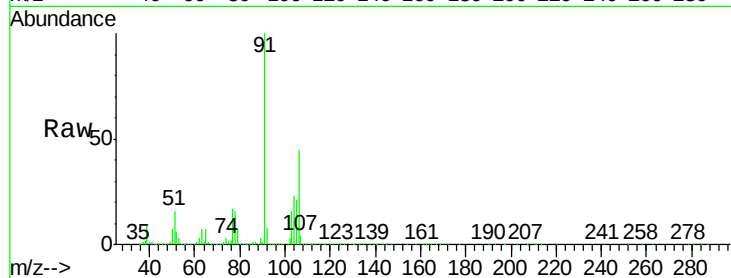
VSTD00554

Tgt Ion:106 Resp: 741612

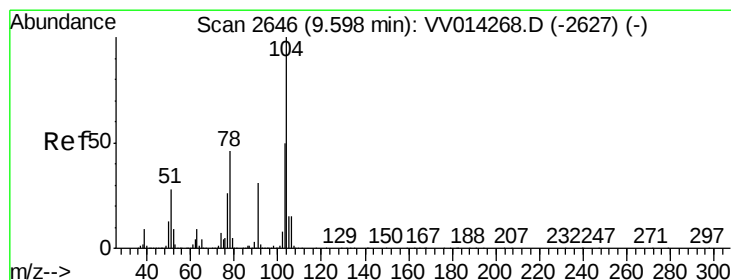
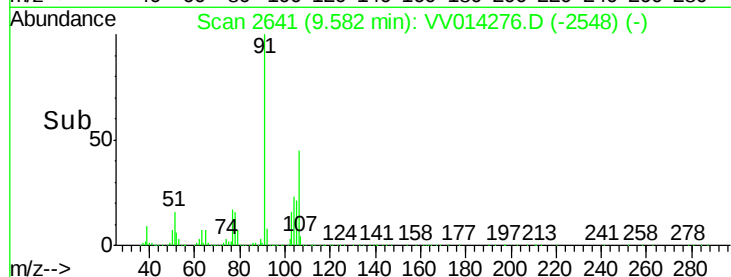
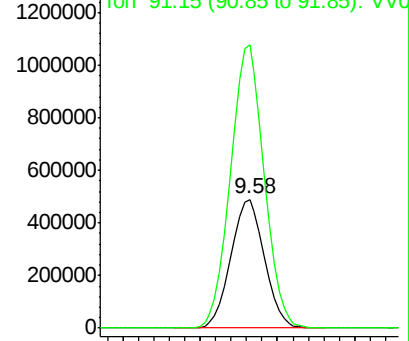
Ion Ratio Lower Upper

106 100

91 220.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.409 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014276.D

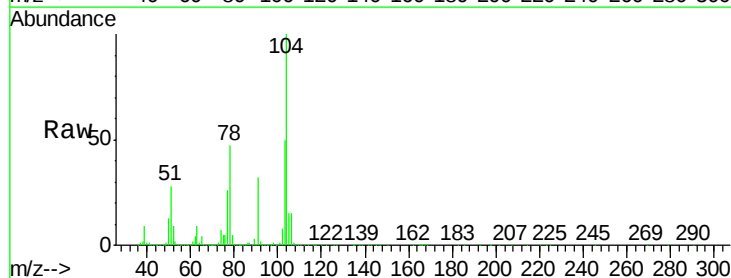
Acq: 13 Jan 2020 12:28

Tgt Ion:104 Resp: 1242712

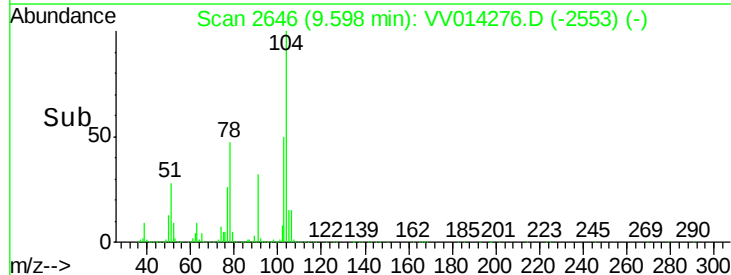
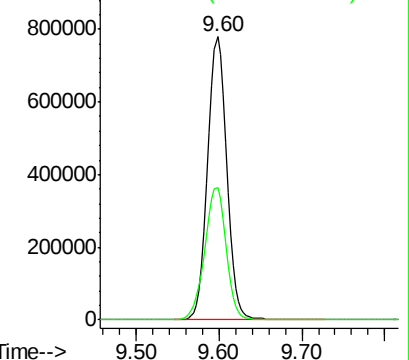
Ion Ratio Lower Upper

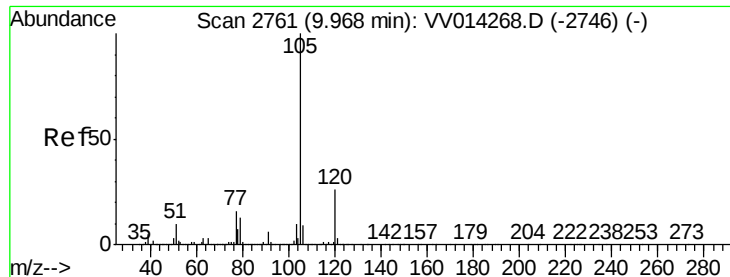
104 100

78 46.5 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.663 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

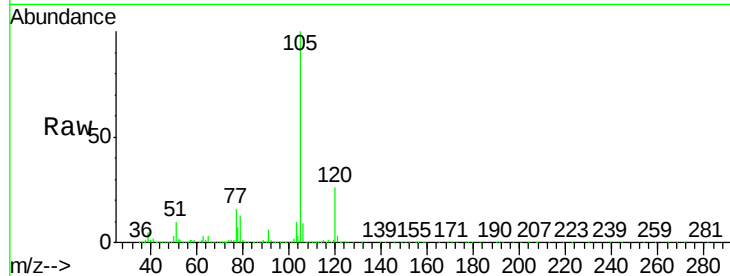
Tgt Ion:105 Resp: 2003061

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

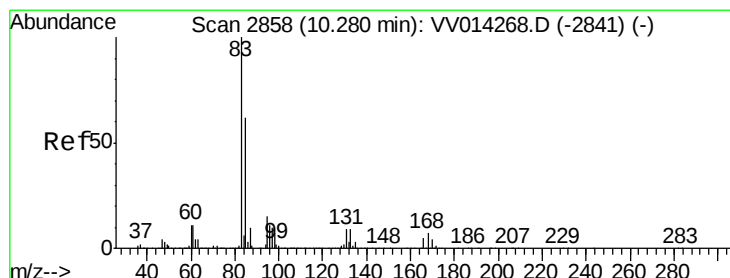
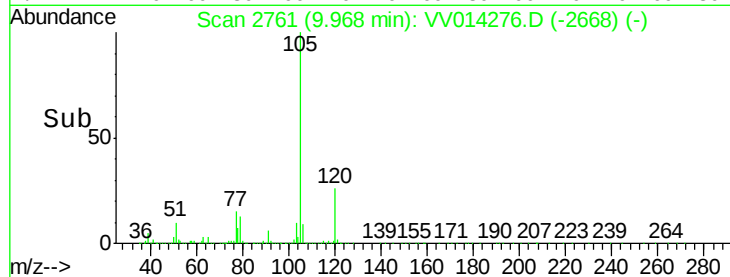
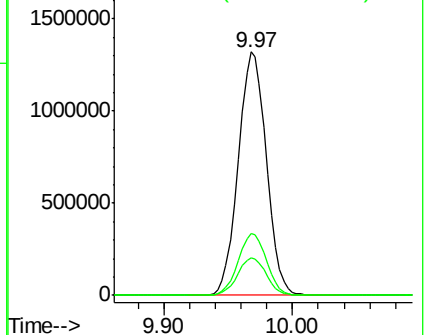
77 15.6 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.210 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

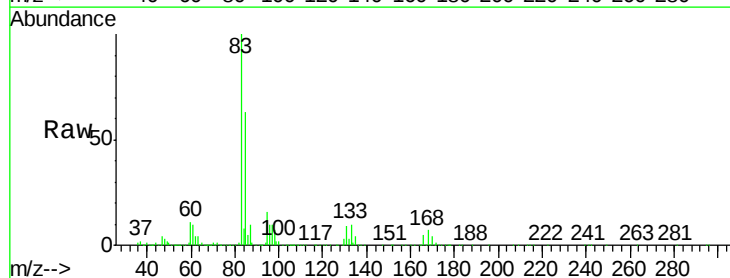
Tgt Ion: 83 Resp: 327941

Ion Ratio Lower Upper

83 100

85 62.9 45.9 85.3

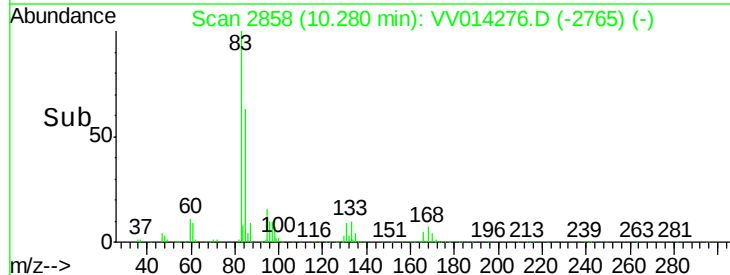
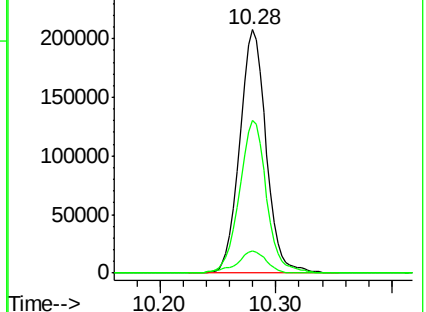
131 9.2 7.8 11.8

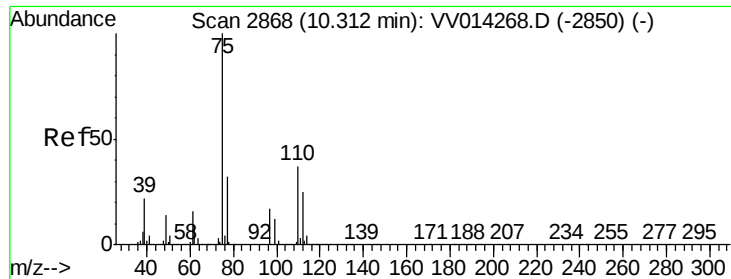


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

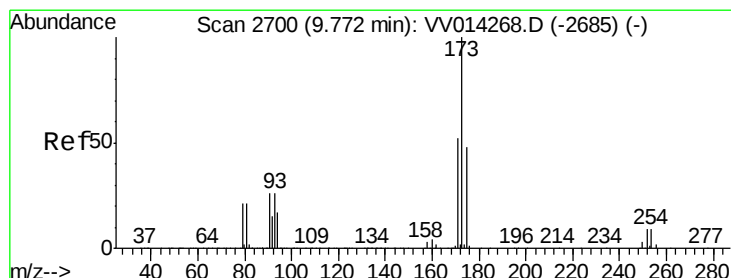
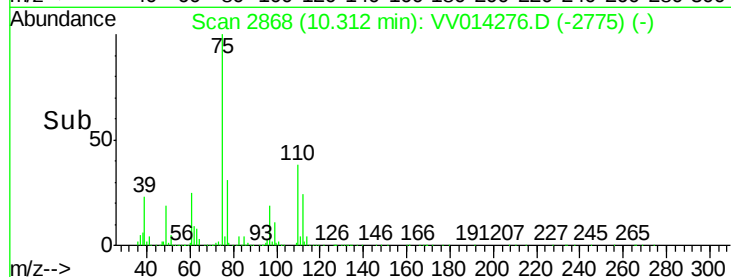
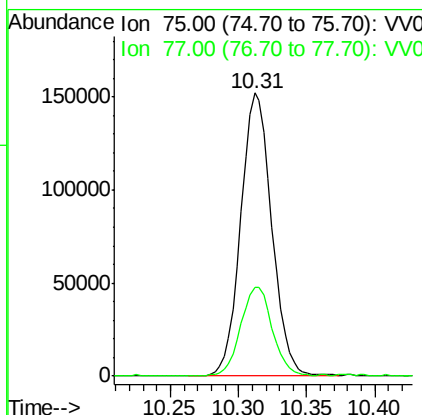
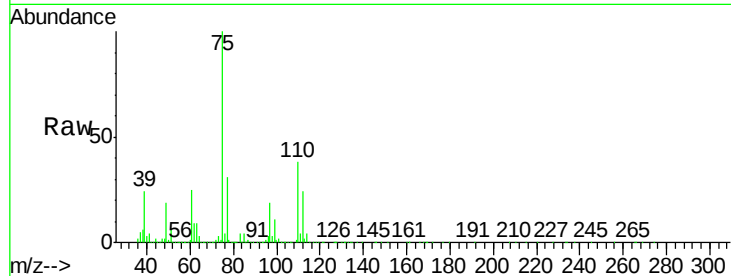




#59
 1,2,3-Trichloropropane
 Concen: 5.029 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

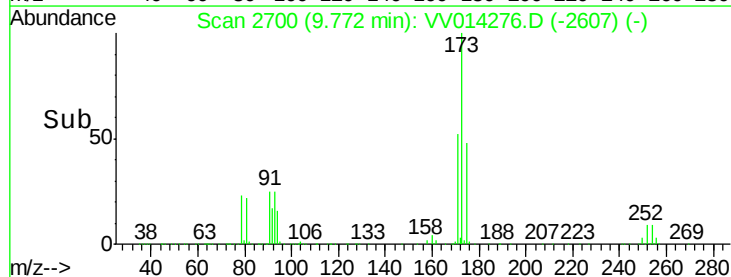
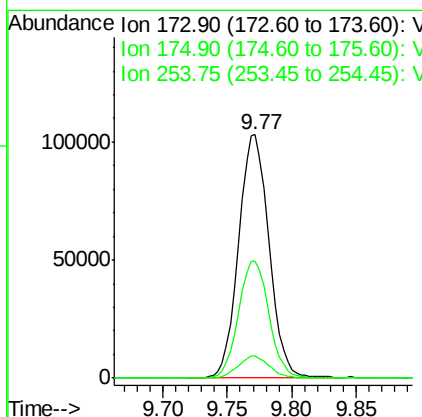
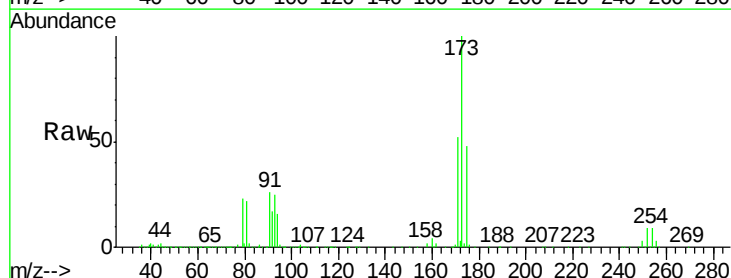
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

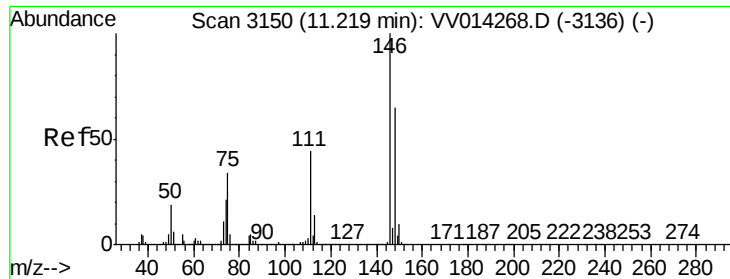
Tgt Ion: 75 Resp: 239431
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#61
 Bromoform
 Concen: 5.120 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion: 173 Resp: 169664
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.9 56.9
 254 9.2 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.477 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

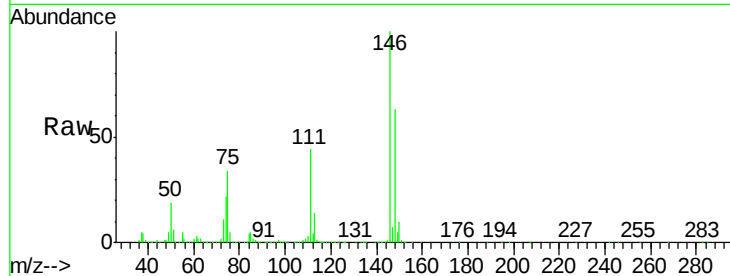
Tgt Ion:146 Resp: 837143

Ion Ratio Lower Upper

146 100

111 44.3 30.7 57.1

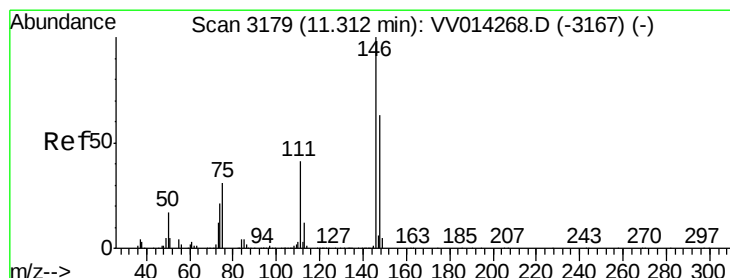
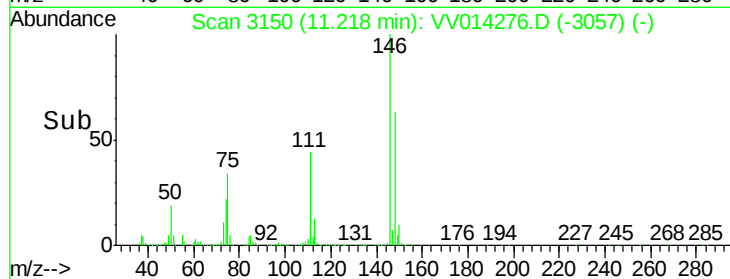
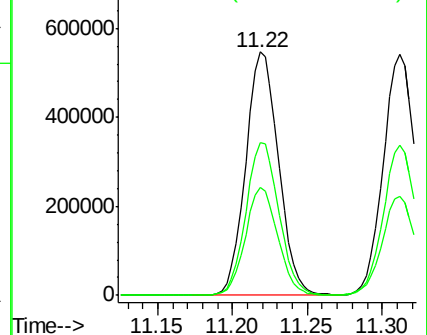
148 62.7 44.4 82.5



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: 5.481 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

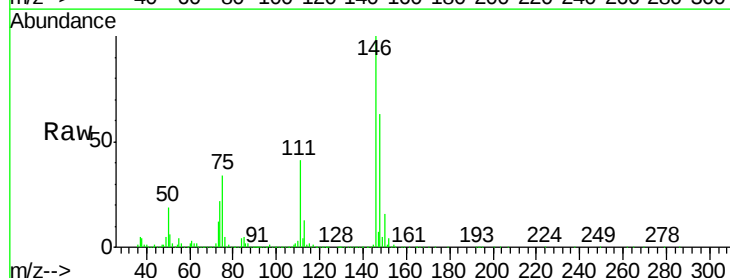
Tgt Ion:146 Resp: 832985

Ion Ratio Lower Upper

146 100

111 41.0 28.8 53.4

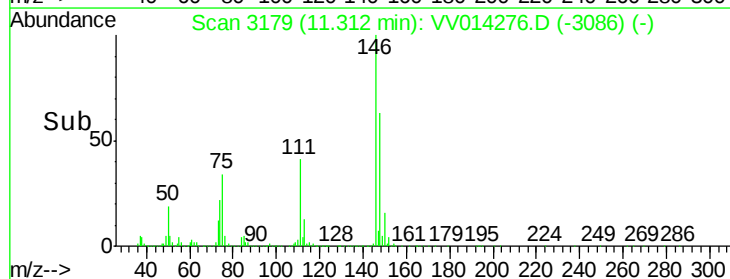
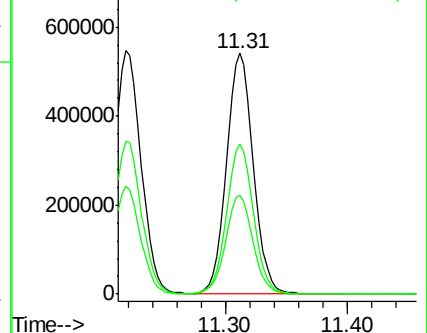
148 62.5 44.5 82.7

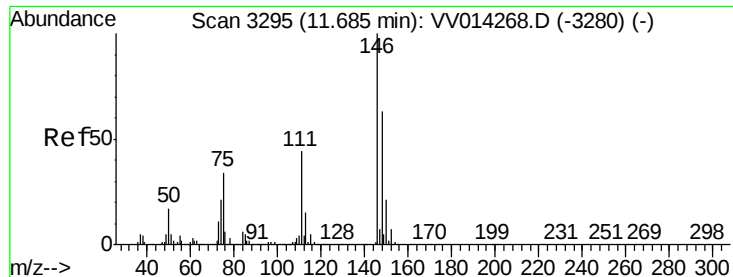


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

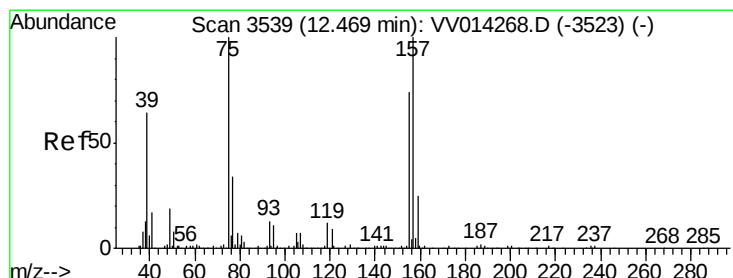
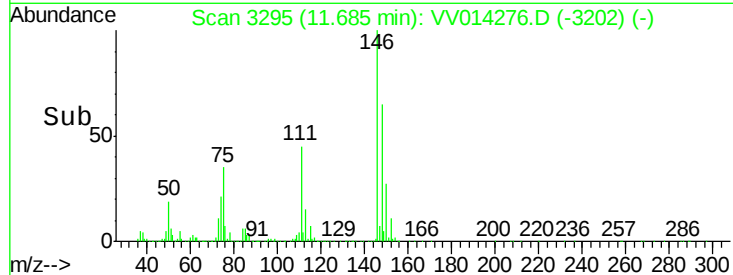
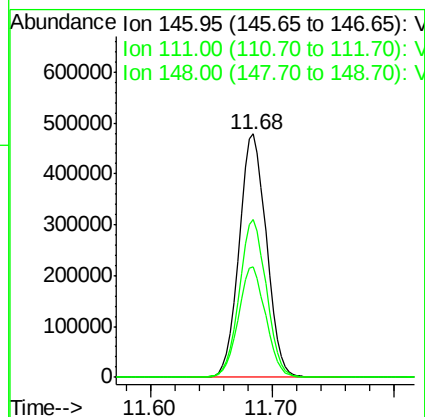
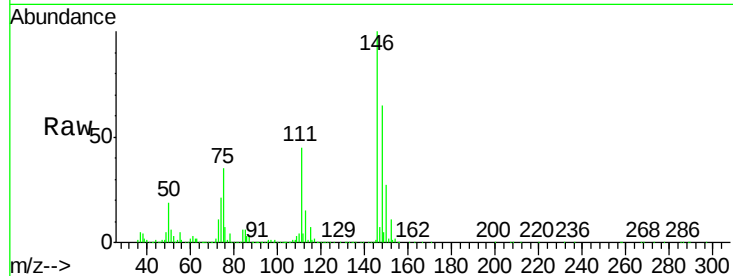




#65
 1,2-Dichlorobenzene
 Concen: 5.354 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

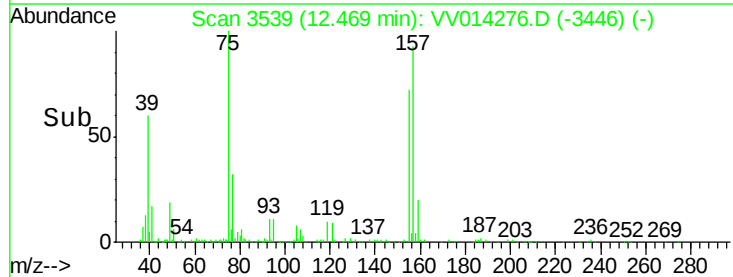
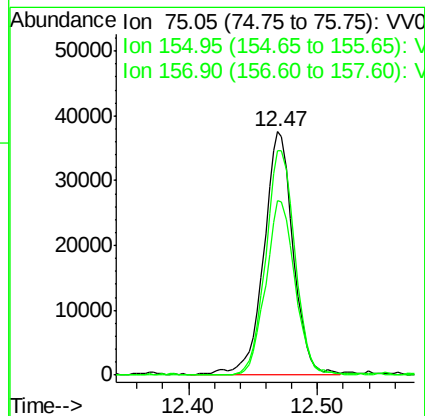
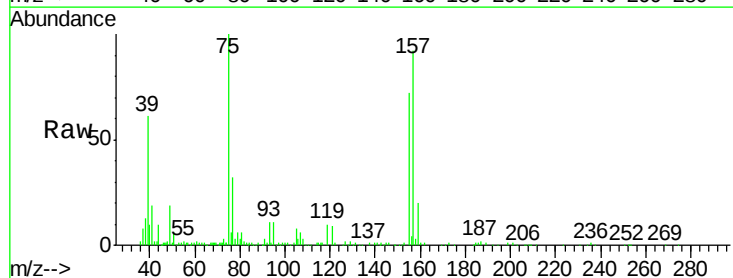
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

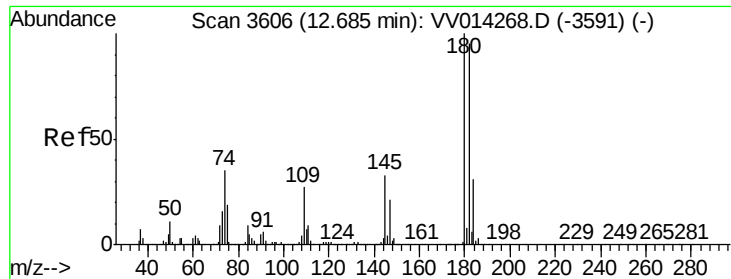
Tgt Ion: 146 Resp: 738995
 Ion Ratio Lower Upper
 146 100
 111 45.2 36.4 54.6
 148 64.9 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.641 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion: 75 Resp: 58885
 Ion Ratio Lower Upper
 75 100
 155 71.8 56.9 85.3
 157 92.2 82.0 123.0

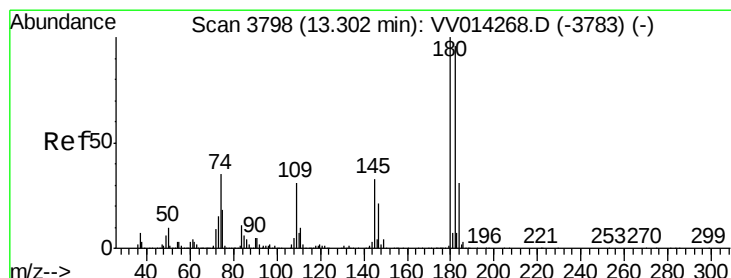
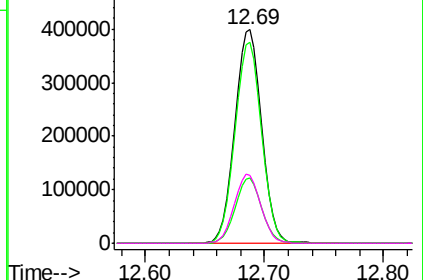
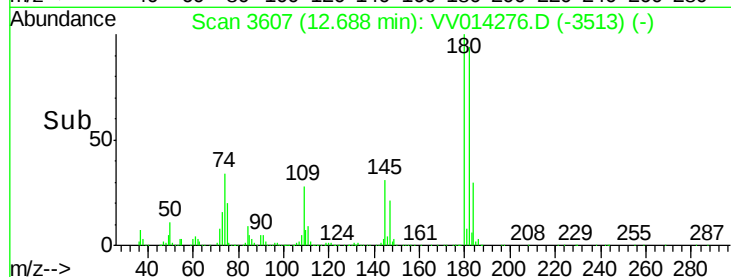
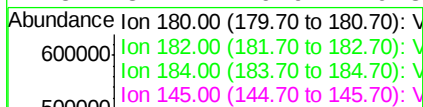
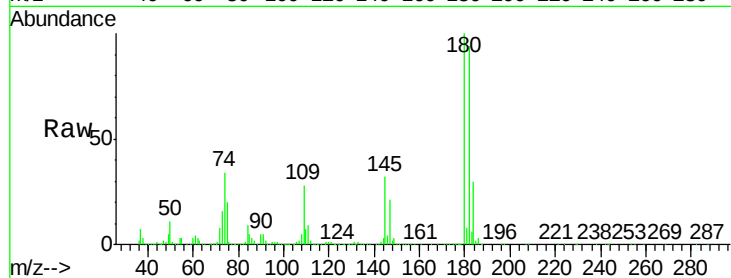




#67
 1,3,5-Trichlorobenzene
 Concen: 5.580 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

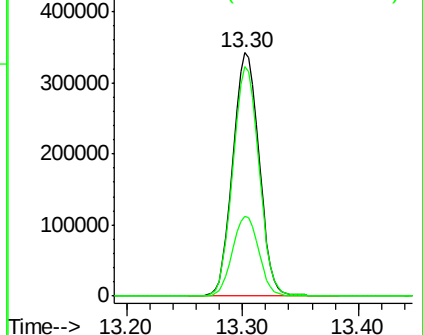
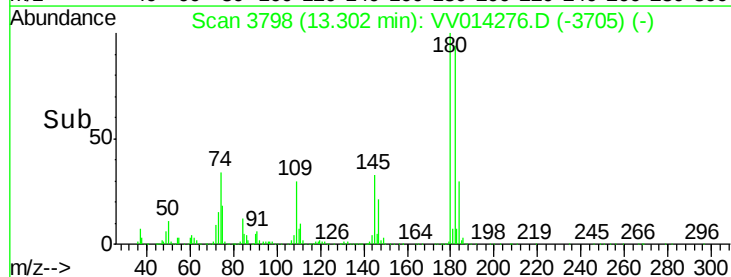
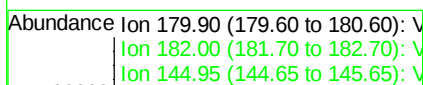
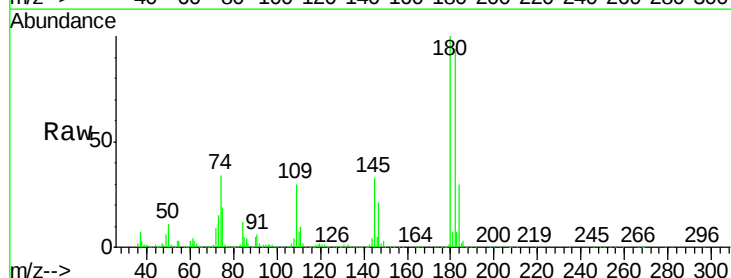
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

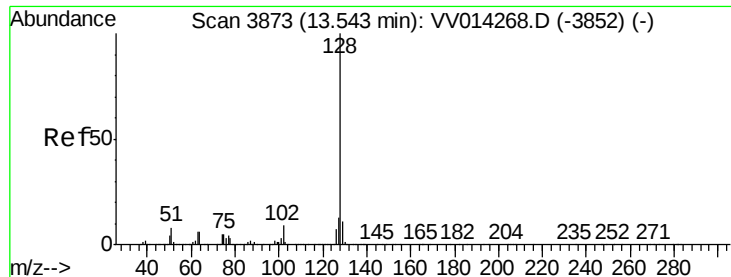
Tgt Ion:	180	Resp:	620229
Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.2	115.8
184	30.2	24.6	36.8
145	32.1	26.9	40.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.494 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014276.D
 Acq: 13 Jan 2020 12:28

Tgt Ion:	180	Resp:	535613
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
145	32.7	26.2	39.4





#69

Naphthalene

Concen: 5.038 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

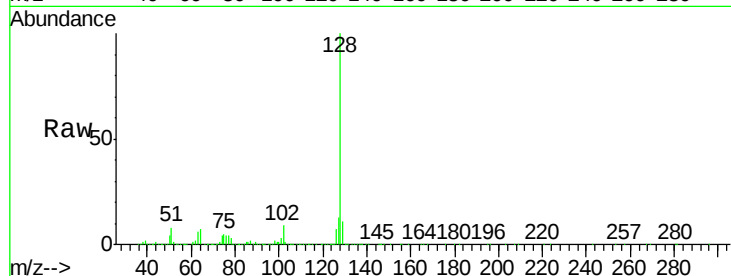
Tgt Ion:128 Resp: 997781

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

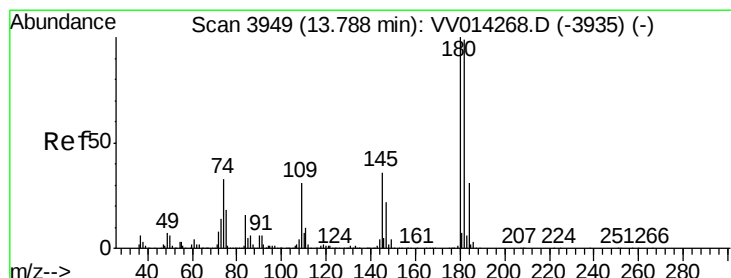
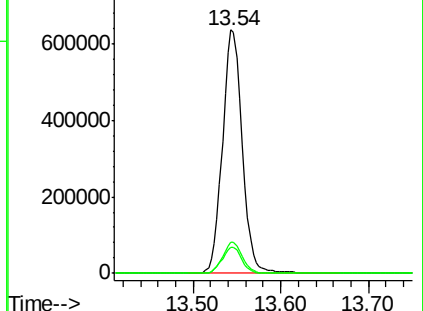
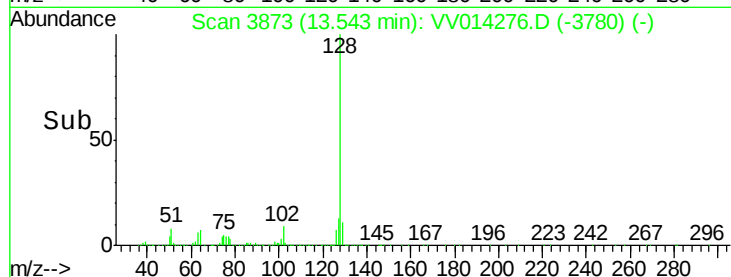
127 12.7 10.2 15.2



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: 5.292 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014276.D

Acq: 13 Jan 2020 12:28

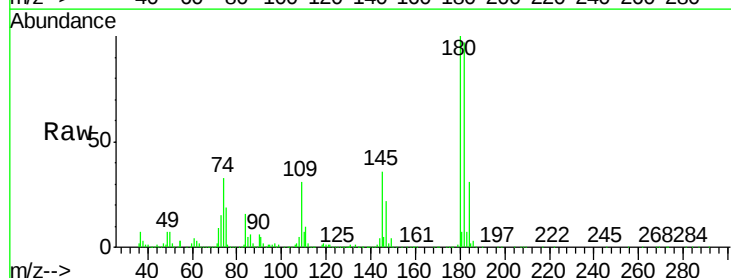
Tgt Ion:180 Resp: 453989

Ion Ratio Lower Upper

180 100

182 95.7 74.8 112.2

145 35.9 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

