

Data File : VV014616.D
Acq On : 19 Feb 2020 20:33
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

Quant Time: Feb 20 02:52:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 02:48:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	265090	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	246477	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	123337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41886	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	33532	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	83671	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.95	46	109311	53.35	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.70%
24) Chloroform-d	4.40	84	107767	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	70472	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.09	84	300116	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.11	67	85200	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.35	98	290513	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	34847	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	132915	51.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.80%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	62741	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	104007	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	117916	4.611 ug/L	100
3) Chloromethane	1.25	50	49616	4.562 ug/L	94
5) Vinyl chloride	1.32	62	50900	4.463 ug/L	98
6) Bromomethane	1.53	94	31991	4.719 ug/L	94
8) Chloroethane	1.60	64	27127	4.553 ug/L	98
9) Trichlorofluoromethane	1.77	101	108098	4.679 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45897	4.720 ug/L	97
12) 1,1-Dichloroethene	2.14	96	40444	4.657 ug/L	95
13) Acetone	2.21	43	52267	43.824 ug/L	93
14) Carbon disulfide	2.32	76	225454	4.643 ug/L	99
15) Methyl Acetate	2.47	43	19285	4.485 ug/L	89
16) Methylene chloride	2.53	84	88022	4.853 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	177560	4.777 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	84720	4.700 ug/L	94
19) 1,1-Dichloroethane	3.23	63	138117	4.680 ug/L	98
21) 2-Butanone	4.03	43	104735	47.769 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	89672	4.685 ug/L #	91

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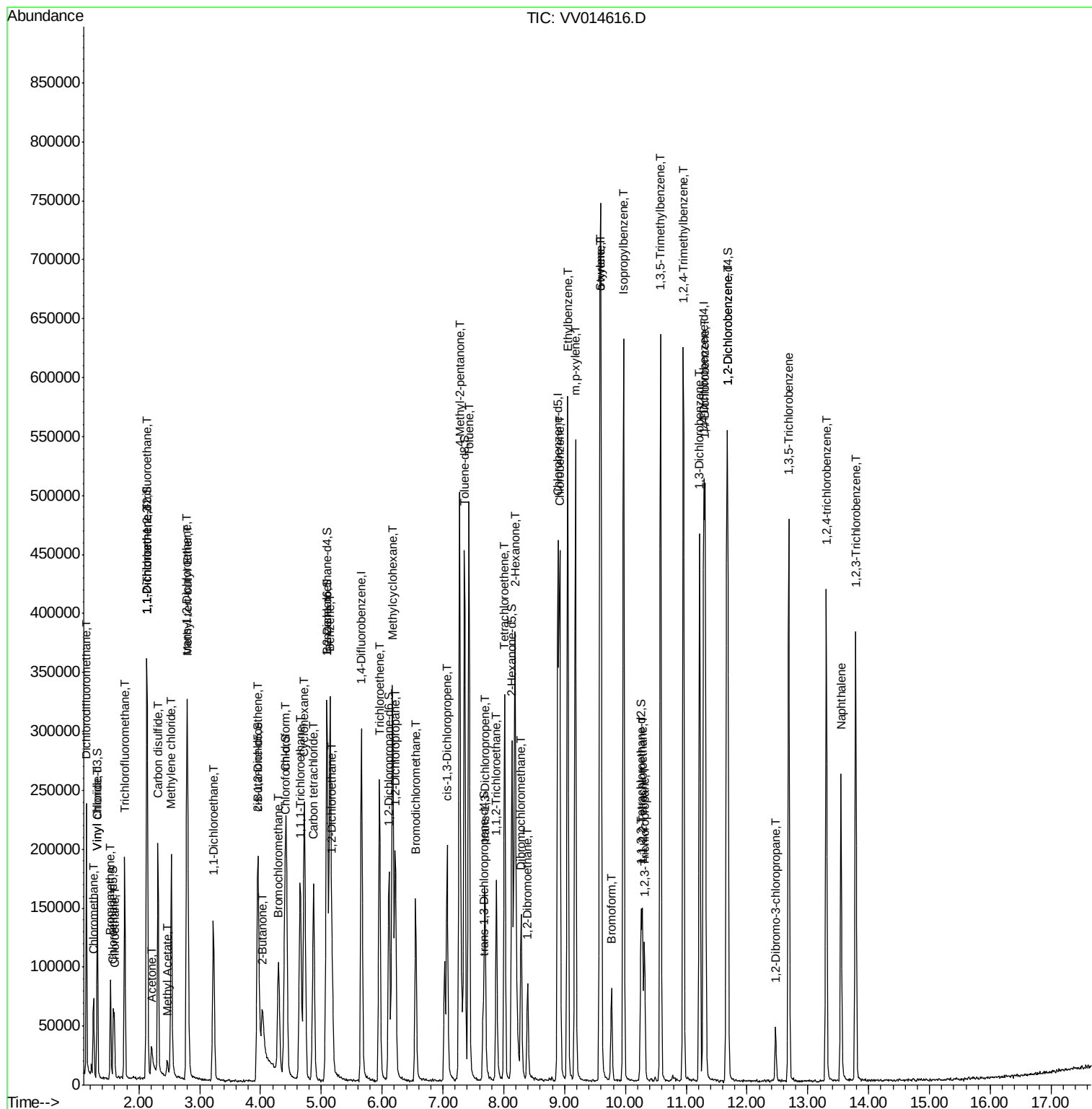
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	36385	4.566	ug/L	87
25) Chloroform	4.42	83	193290	4.618	ug/L	99
27) 1,2-Dichloroethane	5.18	62	81709	4.623	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	142329	4.732	ug/L	99
30) Cyclohexane	4.72	56	132289	4.721	ug/L	98
31) Carbon tetrachloride	4.87	117	123514	4.735	ug/L	100
33) Benzene	5.14	78	328756	4.817	ug/L	100
34) Trichloroethene	5.96	95	92667	4.774	ug/L	91
35) Methylcyclohexane	6.17	83	149933	4.648	ug/L	99
37) 1,2-Dichloropropane	6.22	63	74453	4.706	ug/L	100
38) Bromodichloromethane	6.55	83	103634	4.584	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	120661	4.743	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	390198	50.804	ug/L	100
42) Toluene	7.43	91	364570	4.876	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	94576	4.663	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	56341	4.753	ug/L	96
47) Tetrachloroethene	8.01	164	73984	4.830	ug/L	98
48) 2-Hexanone	8.18	43	274898	49.745	ug/L	100
49) Dibromochloromethane	8.29	129	72709	4.737	ug/L	93
50) 1,2-Dibromoethane	8.39	107	54608	4.843	ug/L	95
51) Chlorobenzene	8.92	112	236975	4.804	ug/L	98
52) Ethylbenzene	9.05	91	411526	4.835	ug/L	99
53) m,p-xylene	9.18	106	159716	4.903	ug/L	99
54) o-xylene	9.58	106	156186	4.993	ug/L	95
55) Styrene	9.60	104	250586	4.850	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	64900	4.811	ug/L	97
59) Bromoform	9.77	173	35987	4.612	ug/L	99
60) Isopropylbenzene	9.97	105	411861	4.832	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	47524	4.876	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	348182	4.894	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	344497	4.937	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	188227	4.710	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	186866	4.760	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	176051	5.017	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.47	75	11211	4.869	ug/L	99
69) 1,3,5-Trichlorobenzene	12.68	180	140752	4.777	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	122566	4.966	ug/L	98
71) Naphthalene	13.54	128	210150	5.036	ug/L	99
72) 1,2,3-Trichlorobenzene	13.78	180	111132	5.141	ug/L	98

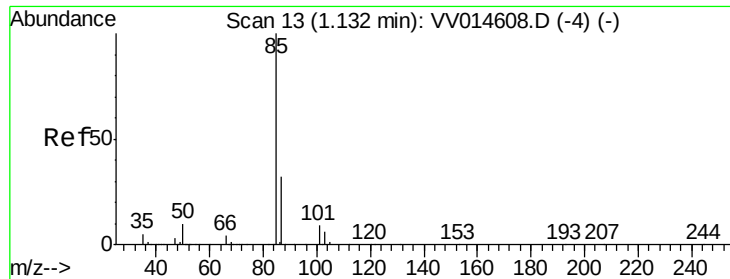
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.611 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

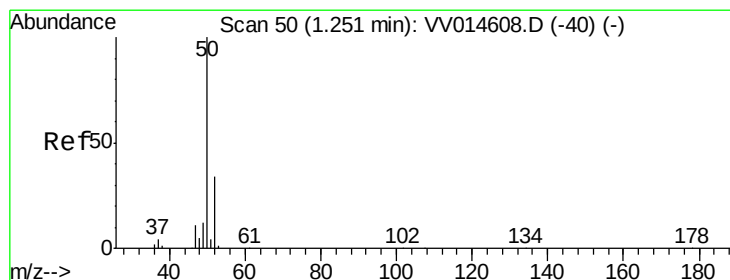
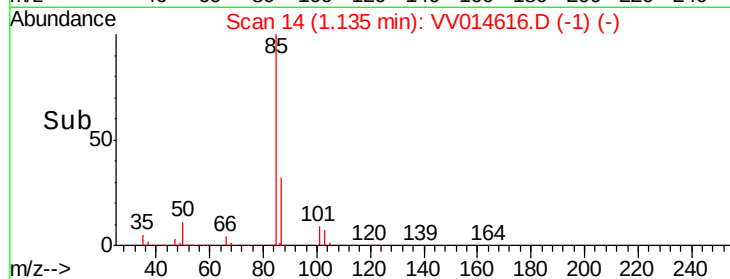
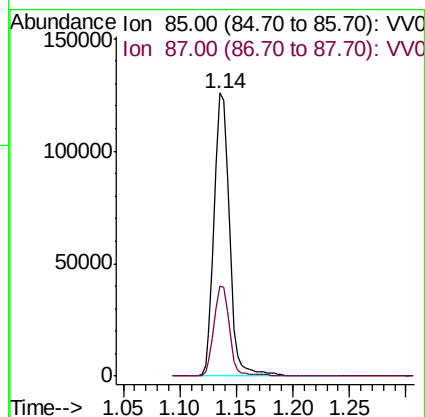
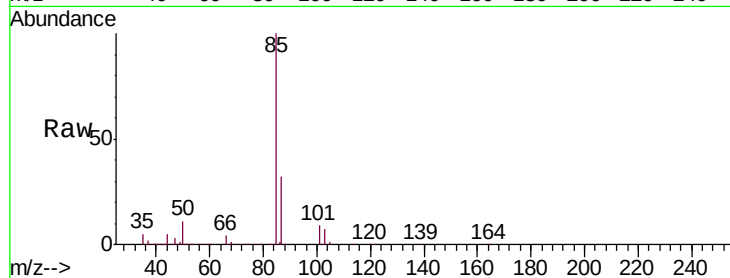
VSTD005707

Tgt Ion: 85 Resp: 117916

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



#3

Chloromethane

Concen: 4.562 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014616.D

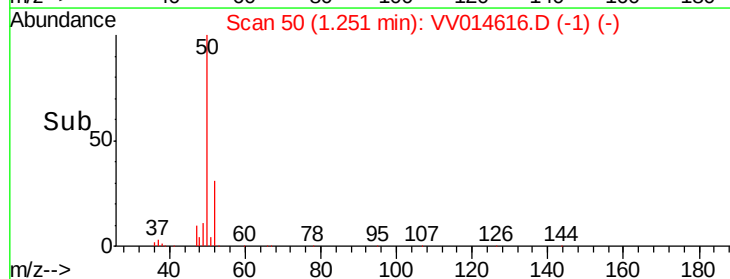
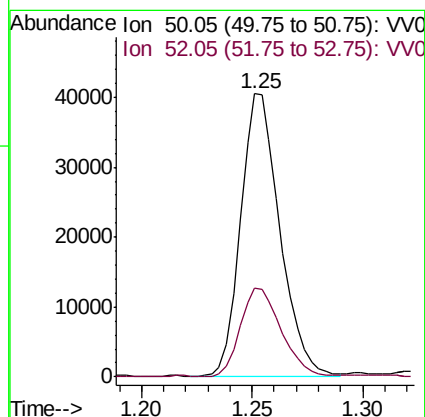
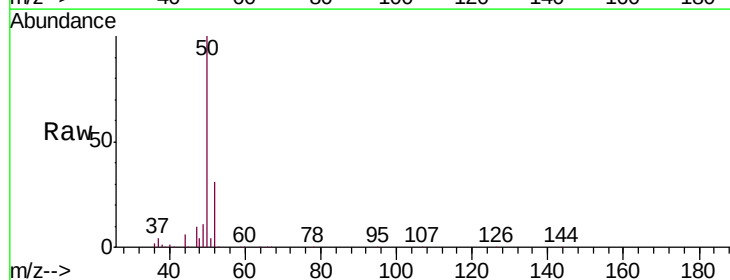
Acq: 19 Feb 2020 20:33

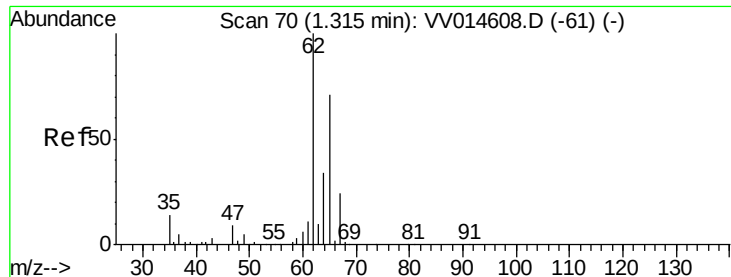
Tgt Ion: 50 Resp: 49616

Ion Ratio Lower Upper

50 100

52 31.2 24.2 45.0





#5

Vinyl chloride

Concen: 4.463 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

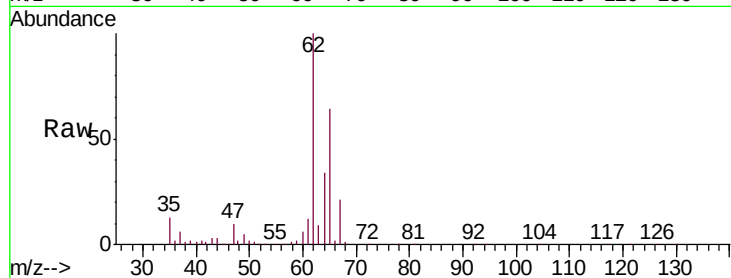
VSTD005707

Tgt Ion: 62 Resp: 50900

Ion Ratio Lower Upper

62 100

64 33.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

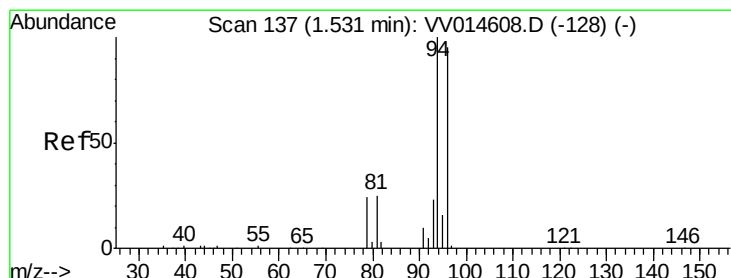
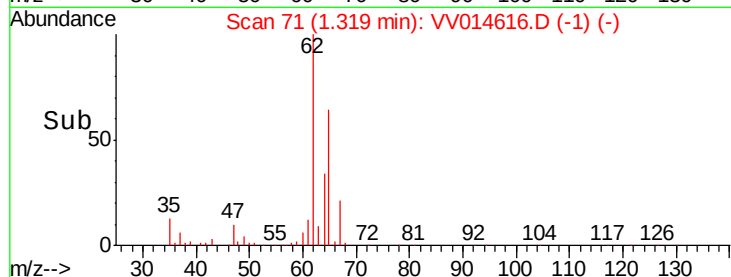
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.719 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014616.D

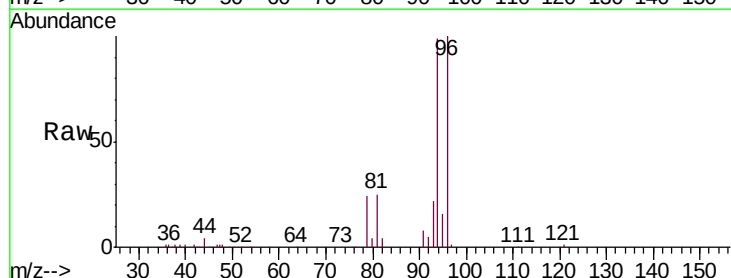
Acq: 19 Feb 2020 20:33

Tgt Ion: 94 Resp: 31991

Ion Ratio Lower Upper

94 100

96 100.7 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

25000

20000

15000

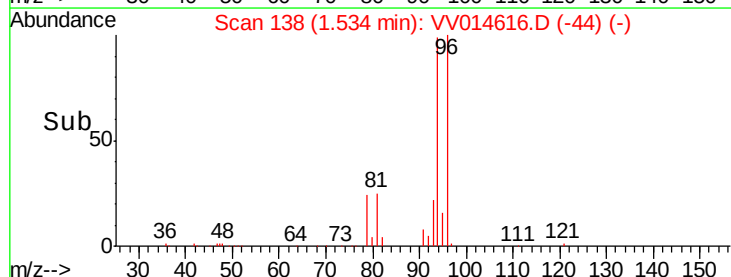
10000

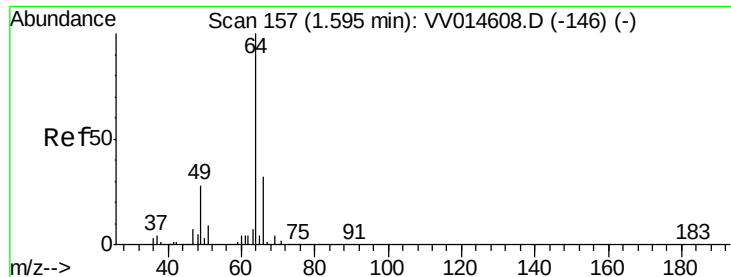
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 4.553 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

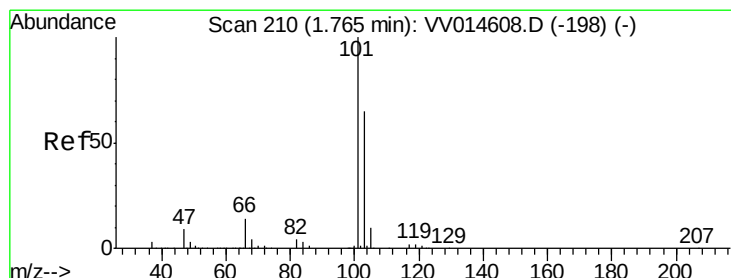
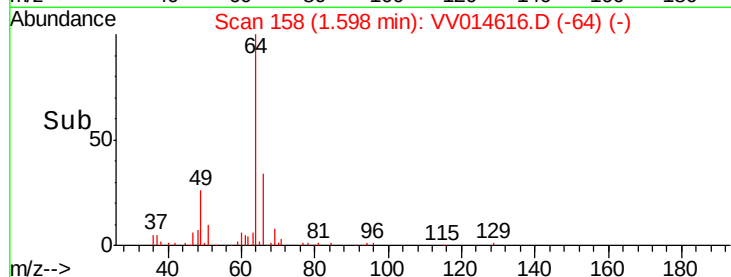
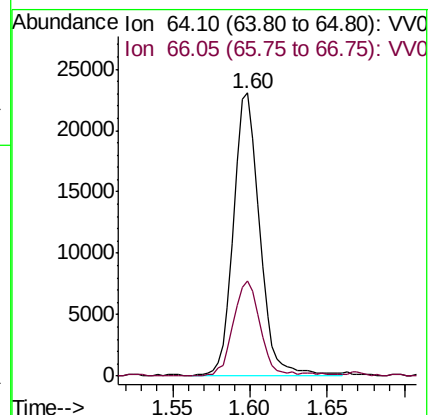
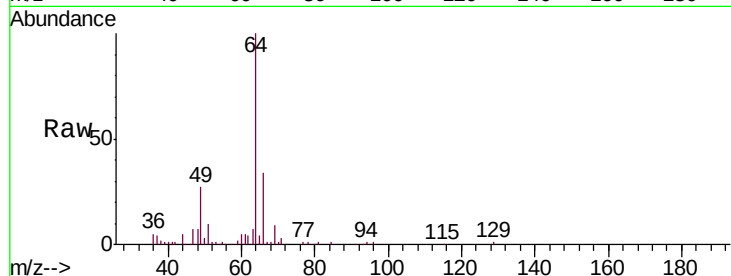
VSTD005707

Tgt Ion: 64 Resp: 27127

Ion Ratio Lower Upper

64 100

66 33.8 22.7 42.3



#9

Trichlorofluoromethane

Concen: 4.679 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014616.D

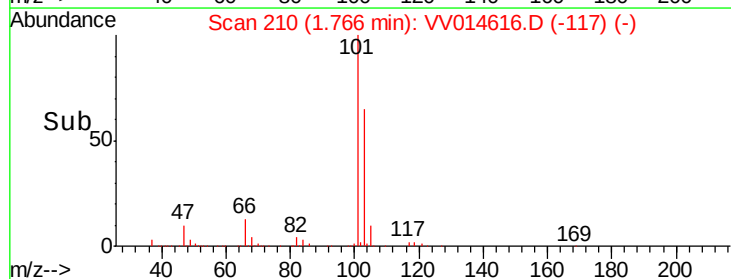
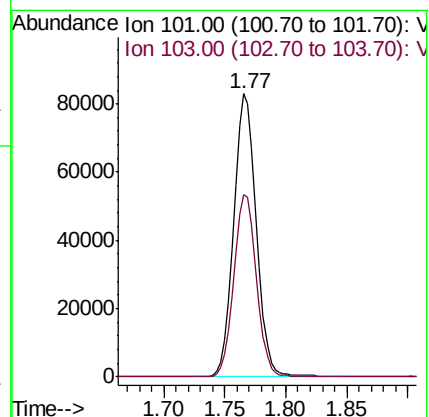
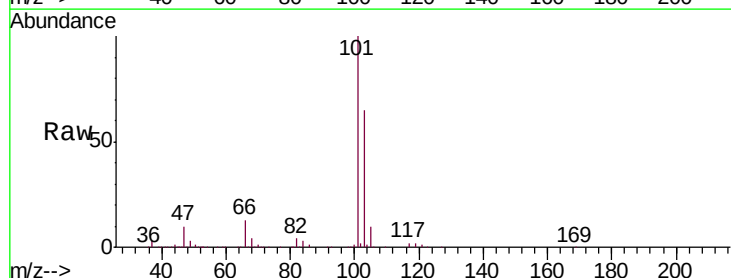
Acq: 19 Feb 2020 20:33

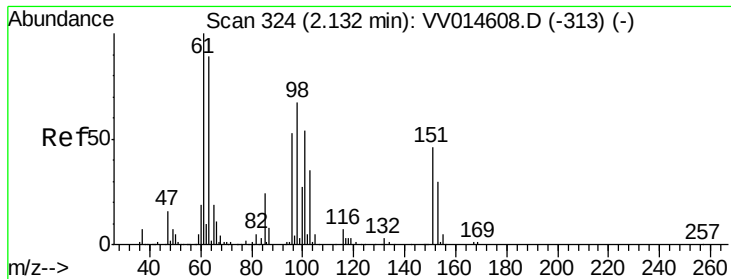
Tgt Ion: 101 Resp: 108098

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.2





#10

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

Concen: 4.720 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005707

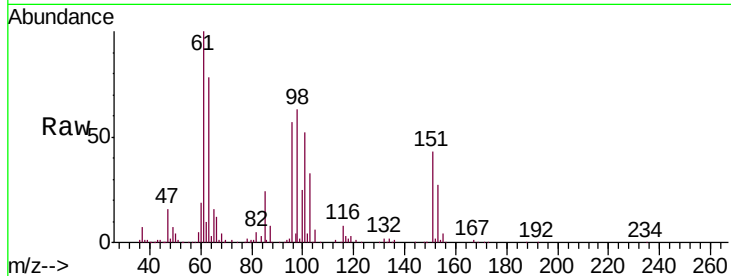
Tgt Ion: 101 Resp: 45897

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

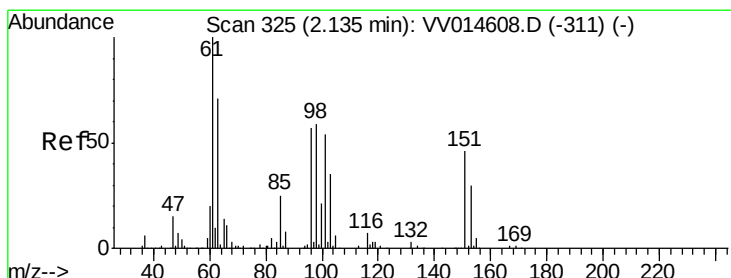
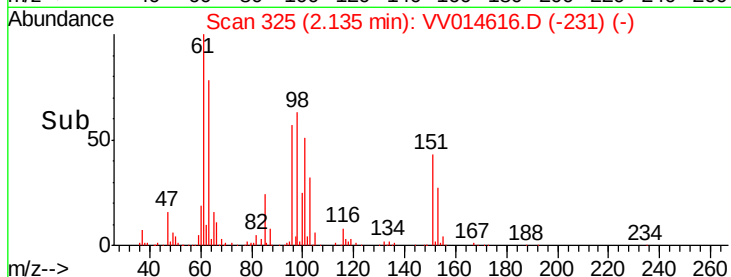
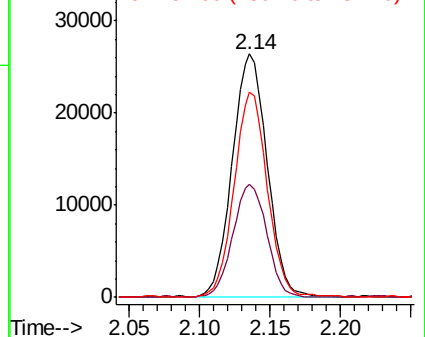
151 80.2 66.3 99.5



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: 4.657 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

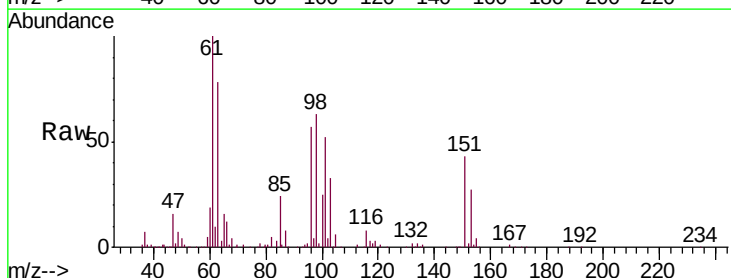
Tgt Ion: 96 Resp: 40444

Ion Ratio Lower Upper

96 100

61 174.9 122.4 227.2

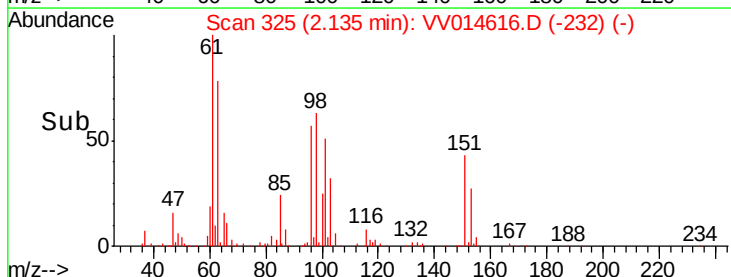
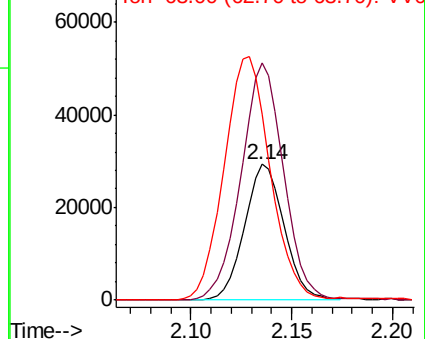
63 136.5 86.9 161.5

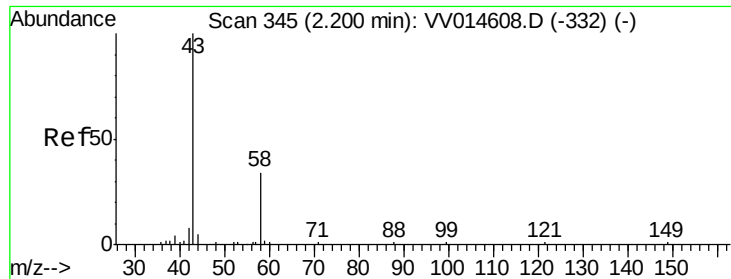


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.824 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

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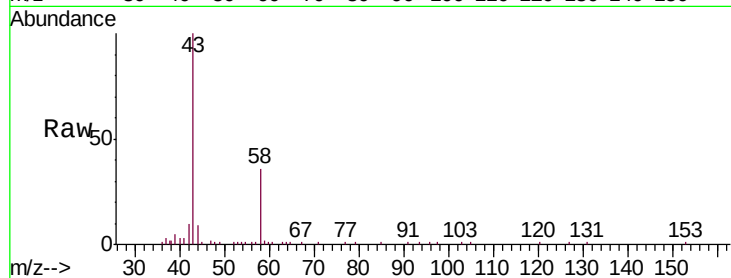
VSTD005707

Tgt Ion: 43 Resp: 52267

Ion Ratio Lower Upper

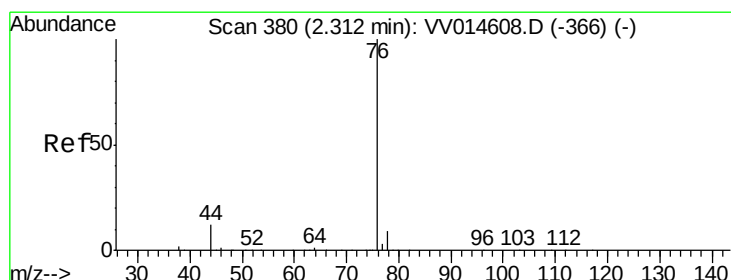
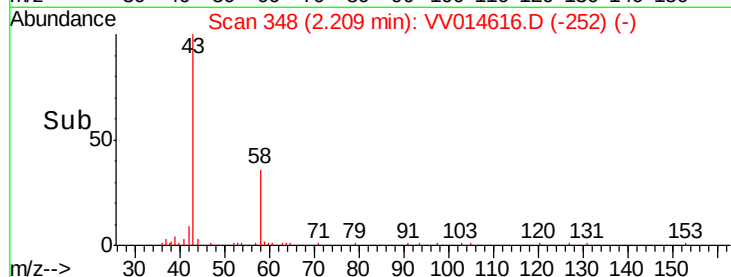
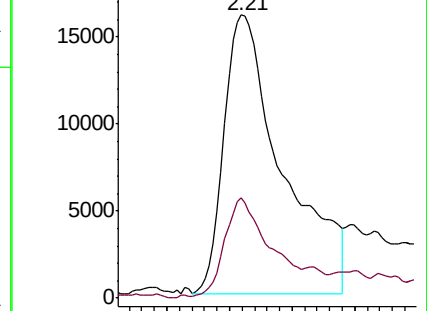
43 100

58 27.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VV014616.D (-252) (-)

Ion 58.05 (57.75 to 58.75): VV014616.D (-252) (-)



#14

Carbon disulfide

Concen: 4.643 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014616.D

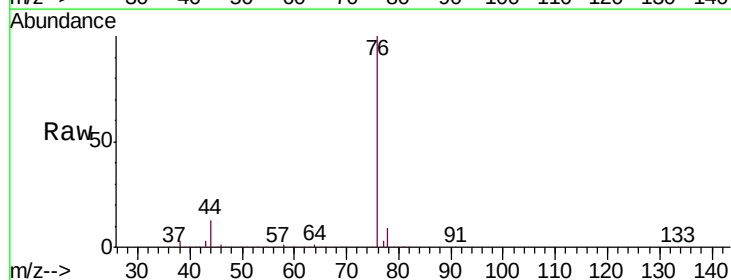
Acq: 19 Feb 2020 20:33

Tgt Ion: 76 Resp: 225454

Ion Ratio Lower Upper

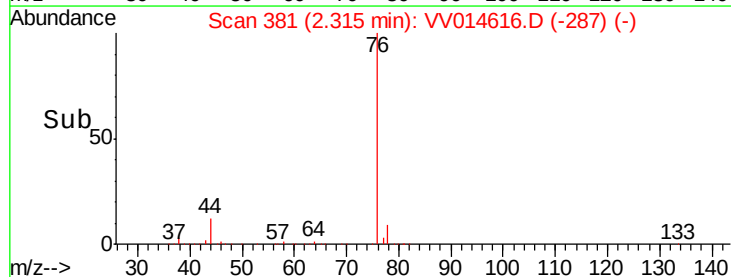
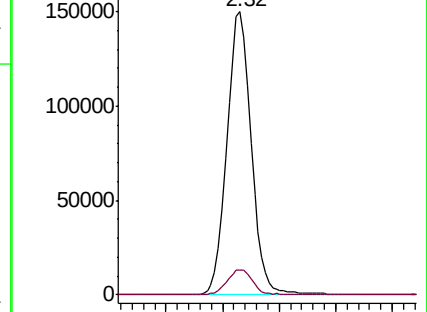
76 100

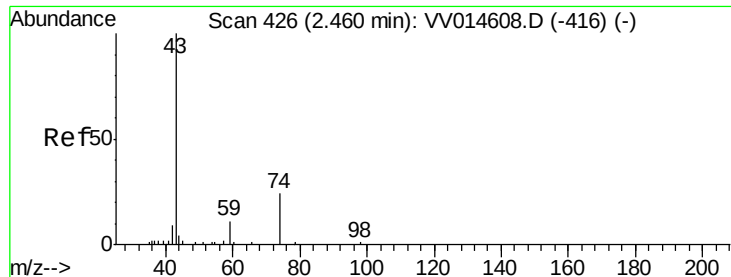
78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV014616.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV014616.D (-287) (-)





#15

Methyl Acetate

Concen: 4.485 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

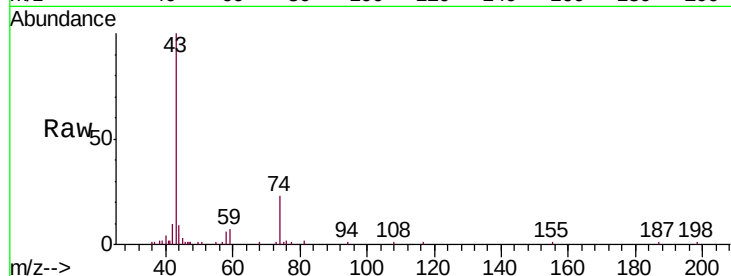
VSTD005707

Tgt Ion: 43 Resp: 19285

Ion Ratio Lower Upper

43 100

74 25.4 25.0 37.6

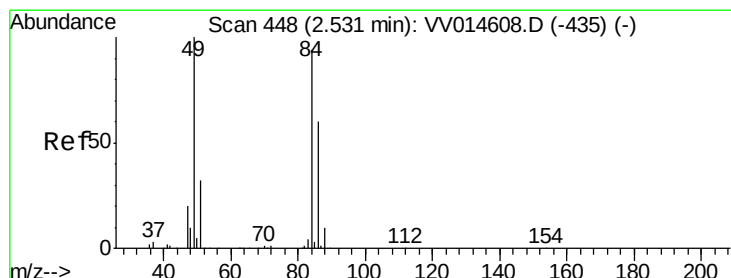
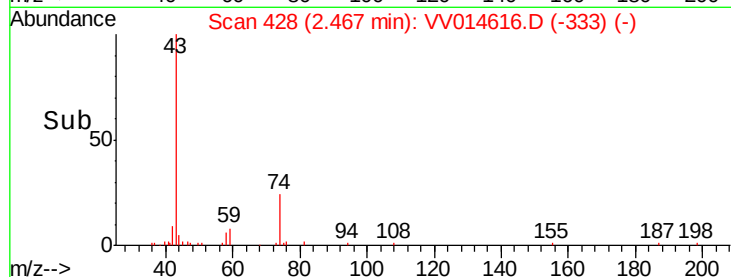


Abundance Ion 43.05 (42.75 to 43.75): VV014616.D (-333) (-)

Ion 74.05 (73.75 to 74.75): VV014616.D (-333) (-)

2.47

Time-->



#16

Methylene chloride

Concen: 4.853 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

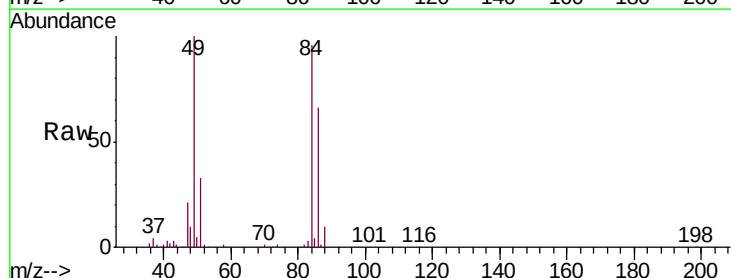
Tgt Ion: 84 Resp: 88022

Ion Ratio Lower Upper

84 100

86 68.8 44.8 83.2

49 104.6 74.8 139.0



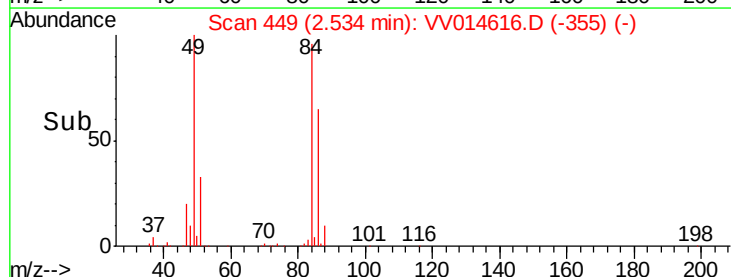
Abundance Ion 84.05 (83.75 to 84.75): VV014616.D (-355) (-)

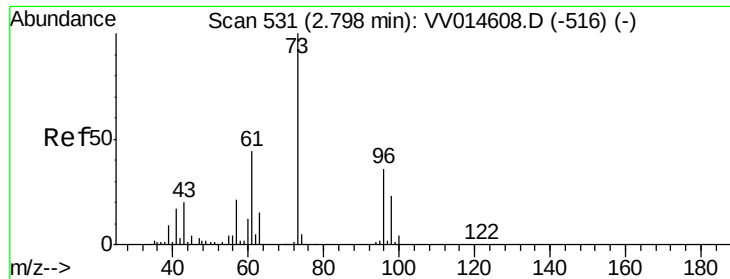
Ion 86.00 (85.70 to 86.70): VV014616.D (-355) (-)

Ion 49.10 (48.80 to 49.80): VV014616.D (-355) (-)

2.53

Time-->

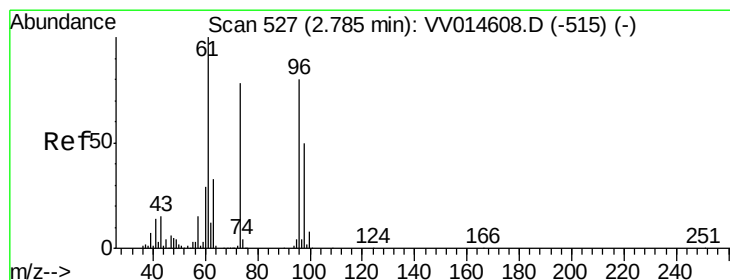
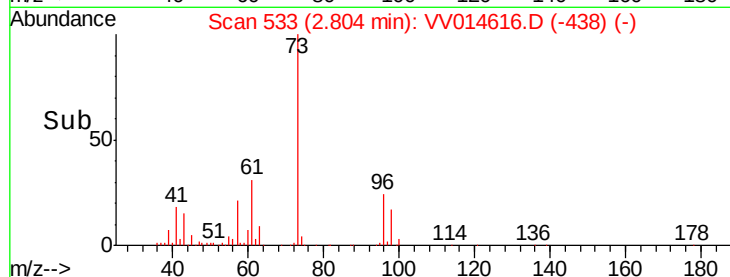
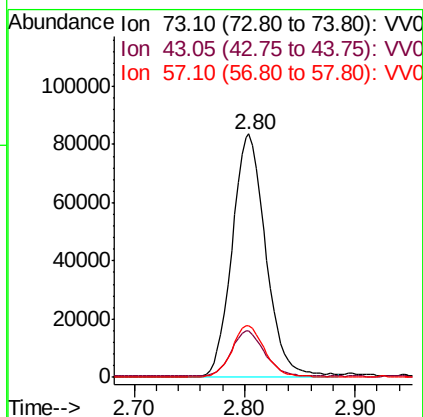
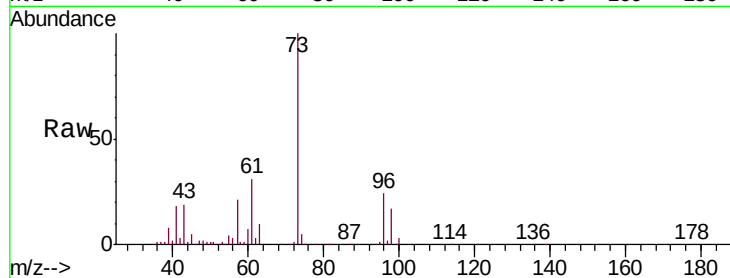




#17
Methyl tert-butyl Ether
Concen: 4.777 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.01 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

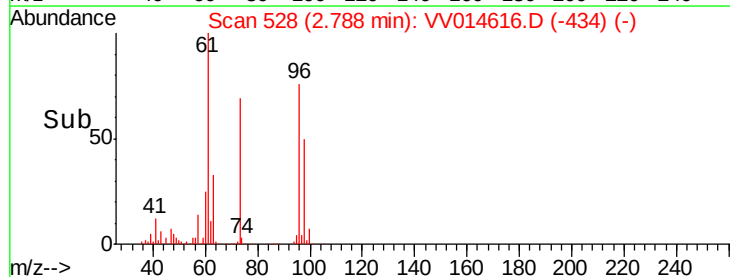
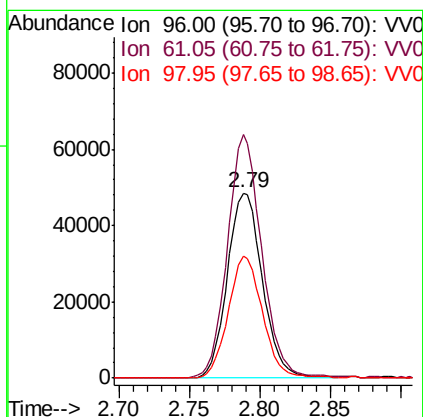
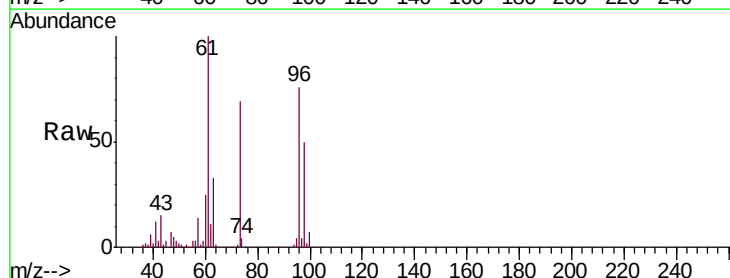
Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

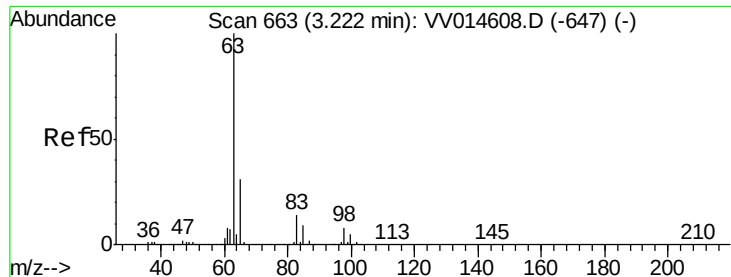
Tgt Ion: 73 Resp: 177560
Ion Ratio Lower Upper
73 100
43 18.4 15.1 22.7
57 21.0 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 4.700 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 131.4 87.2 162.0
98 66.2 43.4 80.6

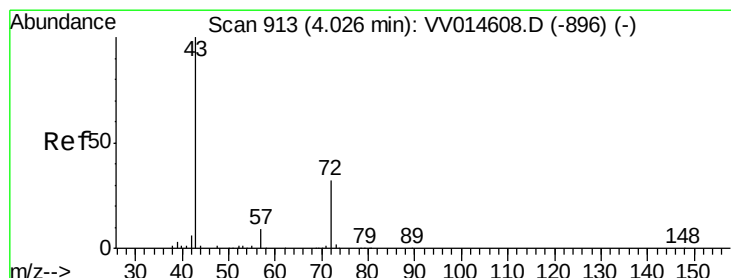
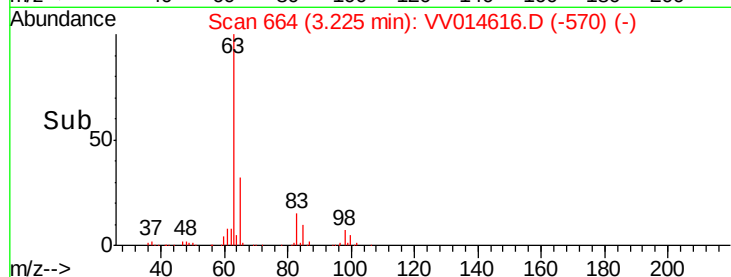
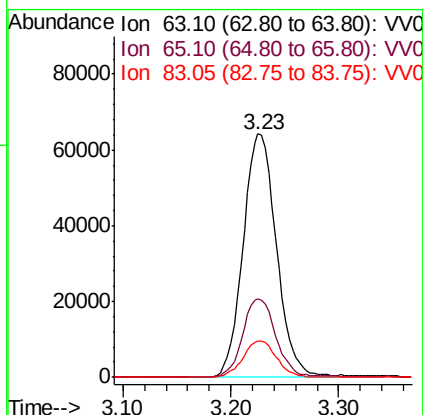
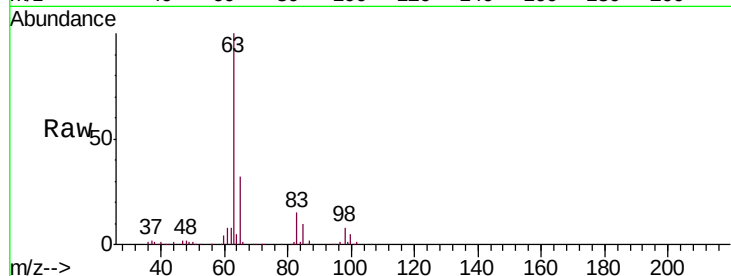




#19
 1,1-Dichloroethane
 Concen: 4.680 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

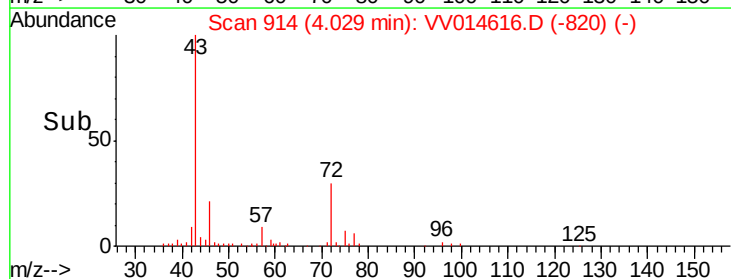
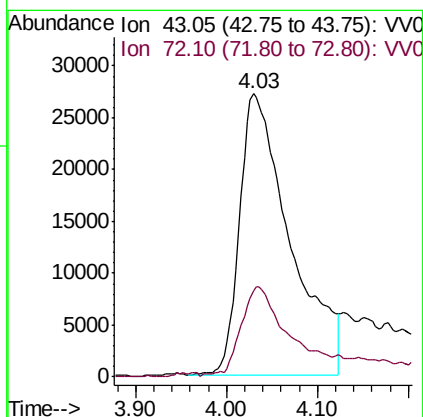
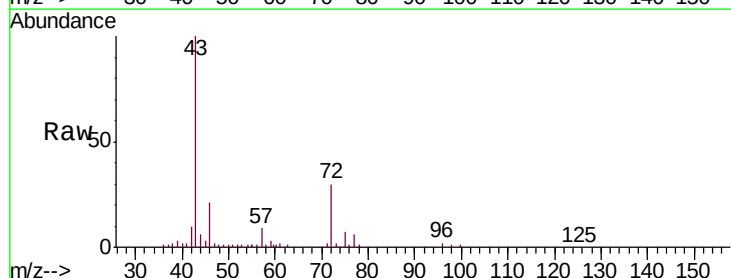
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

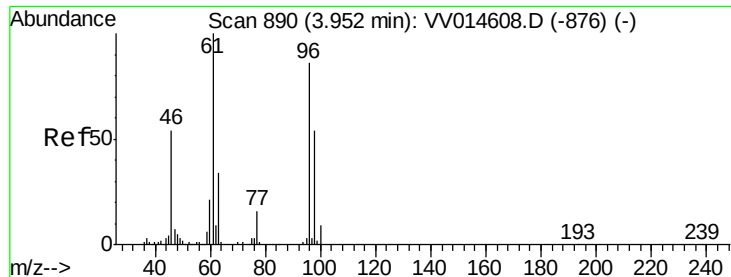
Tgt Ion: 63 Resp: 138117
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.4 39.8
 83 14.7 10.0 18.6



#21
 2-Butanone
 Concen: 47.769 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion: 43 Resp: 104735
 Ion Ratio Lower Upper
 43 100
 72 30.9 11.5 34.5





#22

cis-1,2-Dichloroethene

Concen: 4.685 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.01 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005707

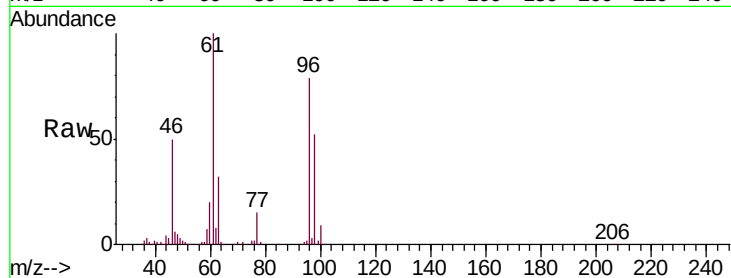
Tgt Ion: 96 Resp: 89672

Ion Ratio Lower Upper

96 100

61 126.7 81.5 151.5

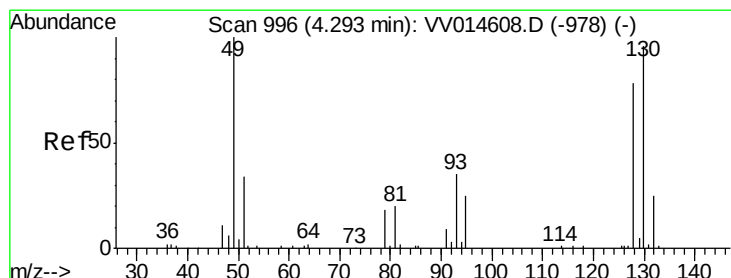
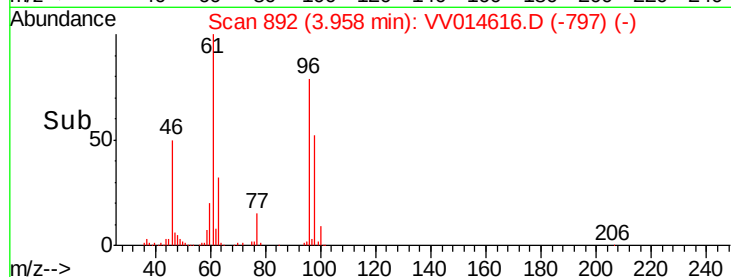
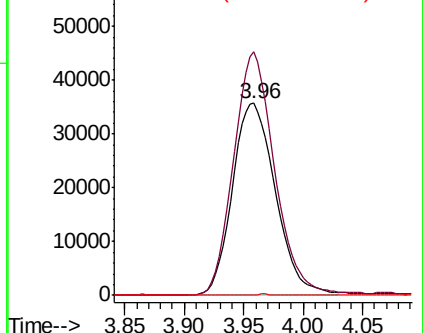
68 0.3 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VV014616.D (-797) (-)

Ion 61.05 (60.75 to 61.75): VV014616.D (-797) (-)

Ion 68.15 (67.85 to 68.85): VV014616.D (-797) (-)



#23

Bromochloromethane

Concen: 4.566 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Tgt Ion: 128 Resp: 36385

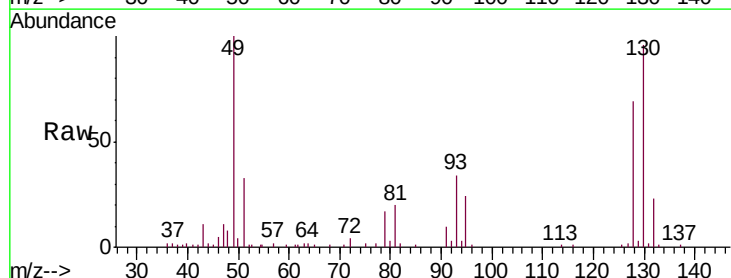
Ion Ratio Lower Upper

128 100

49 144.6 90.2 167.4

130 138.5 85.6 159.0

51 47.0 35.2 52.8

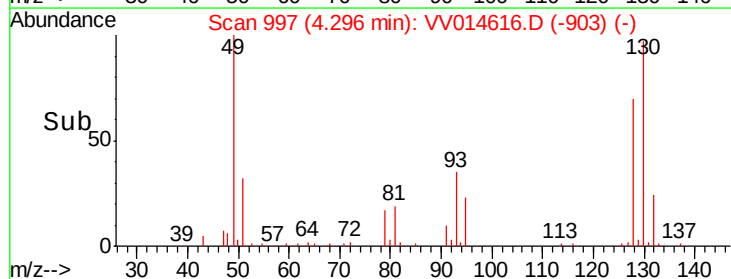
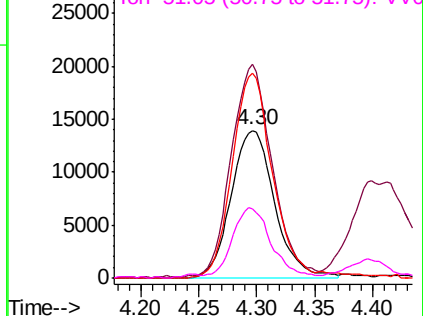


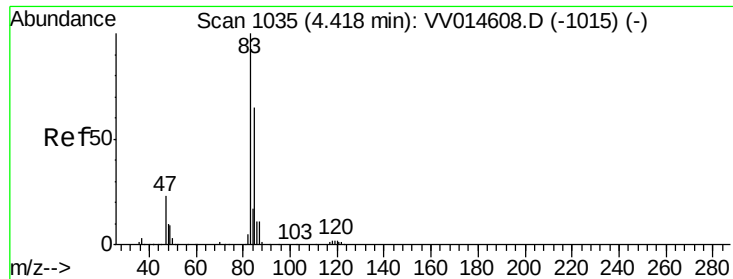
Abundance Ion 127.90 (127.60 to 128.60): VV014616.D (-903) (-)

Ion 49.10 (48.80 to 49.80): VV014616.D (-903) (-)

Ion 129.95 (129.65 to 130.65): VV014616.D (-903) (-)

Ion 51.05 (50.75 to 51.75): VV014616.D (-903) (-)

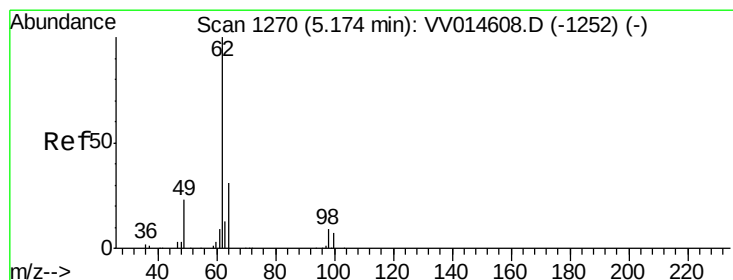
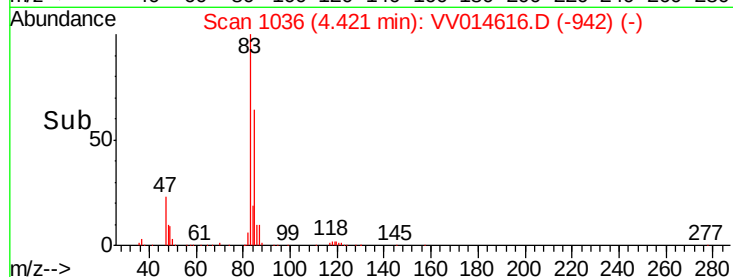
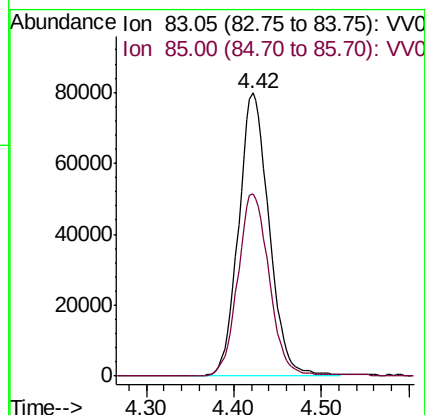
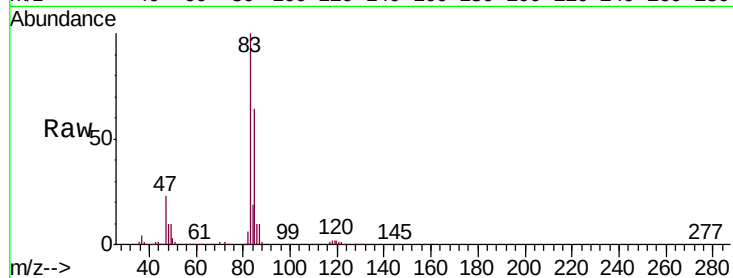




#25
Chloroform
Concen: 4.618 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

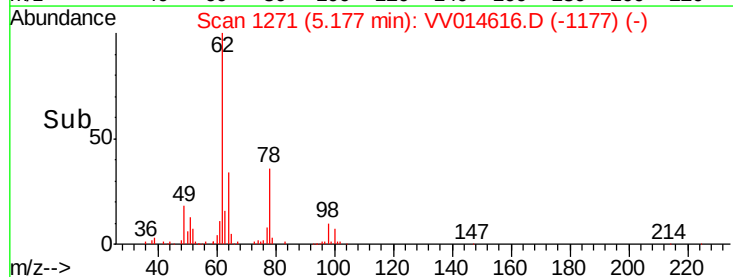
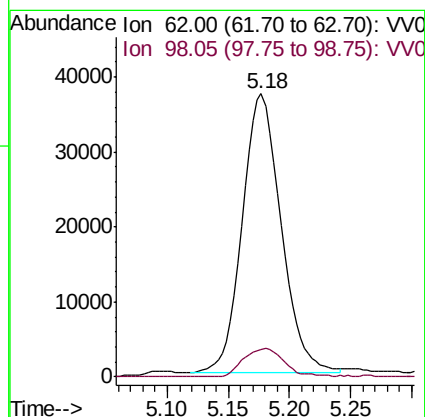
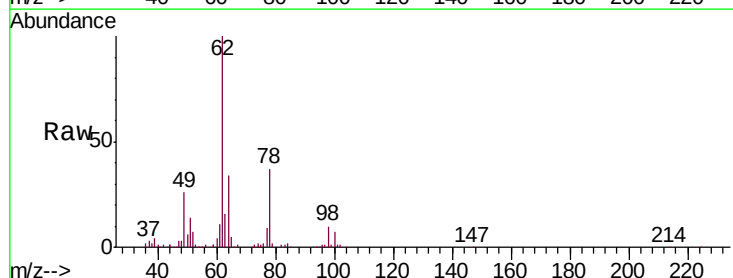
Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

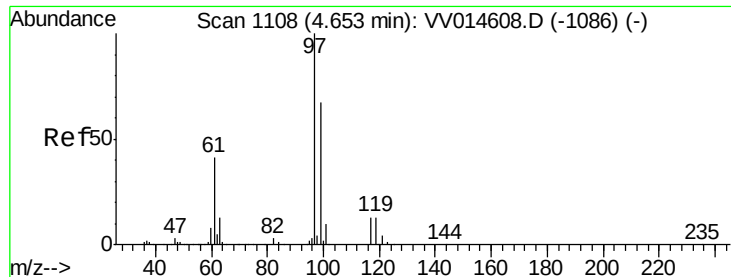
Tgt Ion: 83 Resp: 193290
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.623 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Tgt Ion: 62 Resp: 81709
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.4

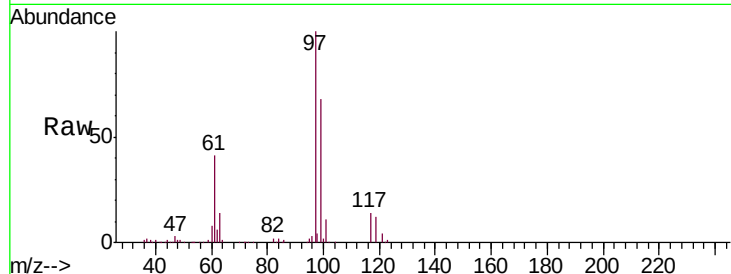




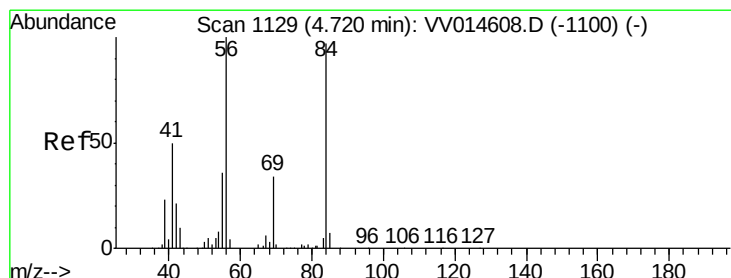
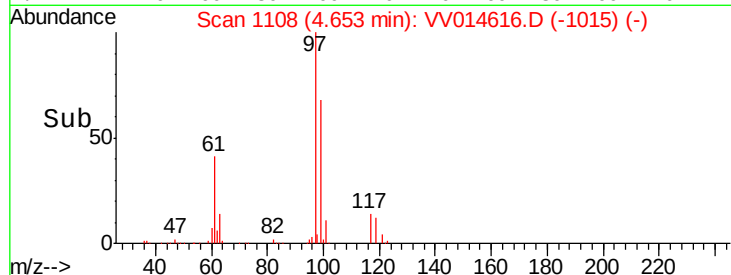
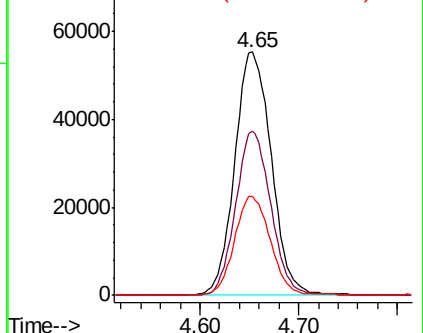
#29
 1,1,1-Trichloroethane
 Concen: 4.732 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	39.7	32.8	49.2

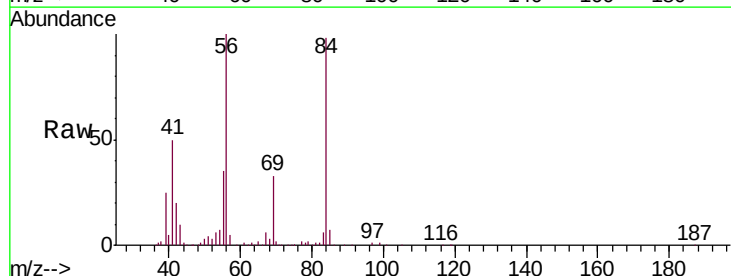


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

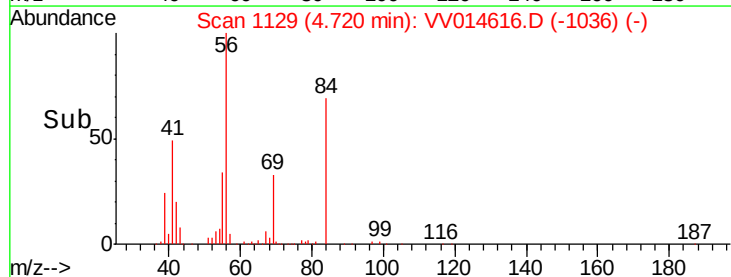
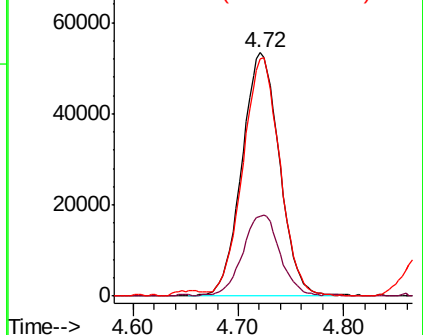


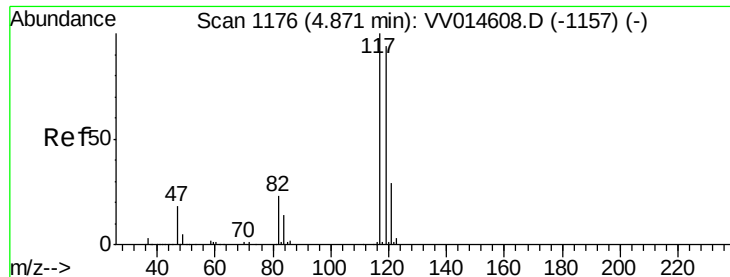
#30
 Cyclohexane
 Concen: 4.721 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.7	40.1
84	97.0	75.9	113.9



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: 4.735 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

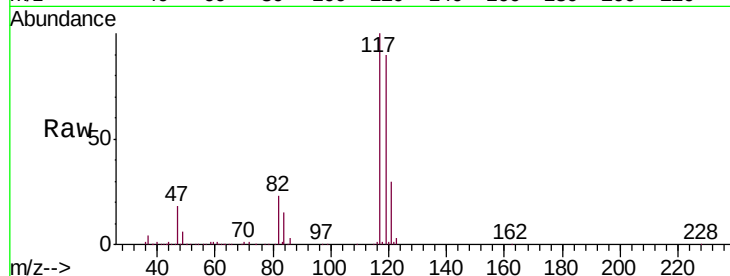
VSTD005707

Tgt Ion:117 Resp: 123514

Ion Ratio Lower Upper

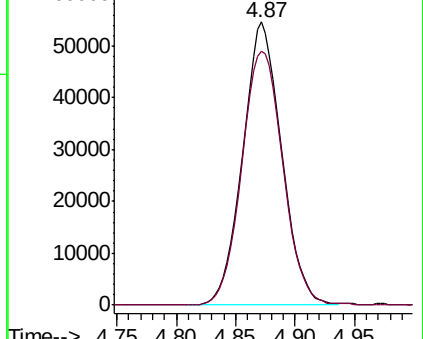
117 100

119 95.2 76.5 114.7

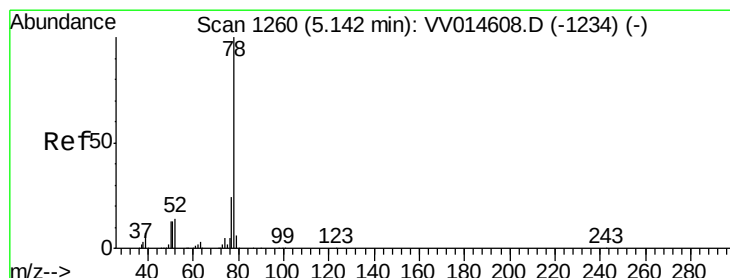
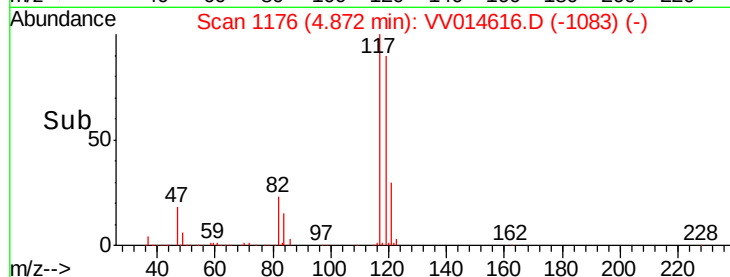


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 4.817 ug/L

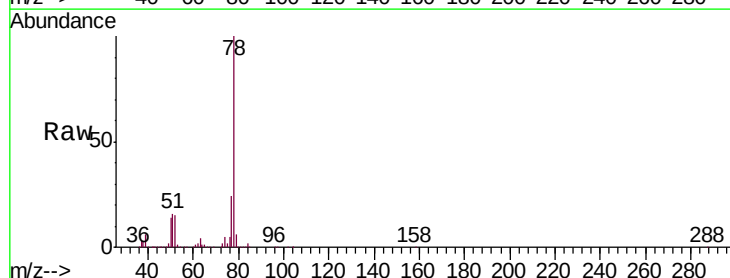
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

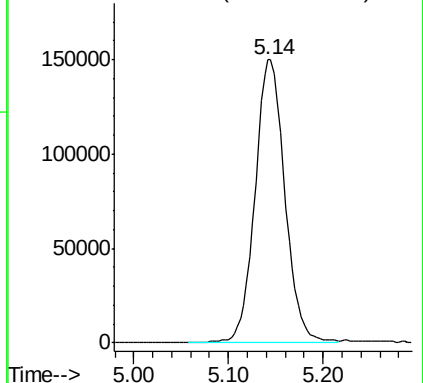
Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

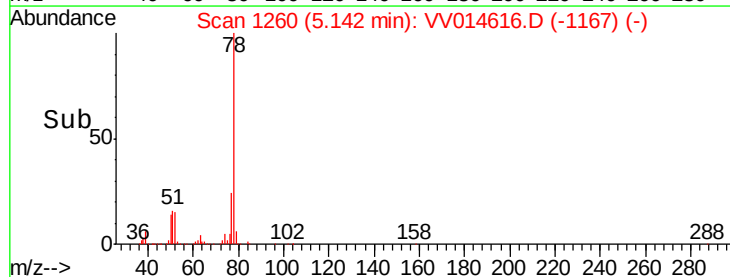
Tgt Ion: 78 Resp: 328756

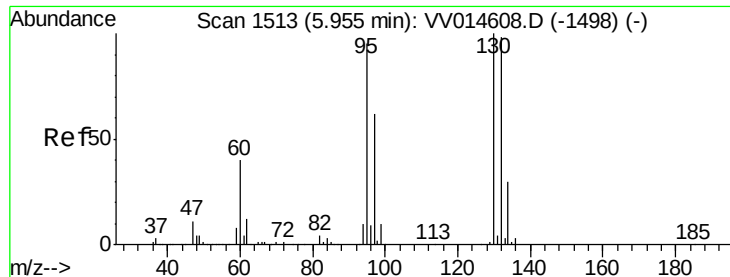


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 4.774 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005707

Tgt Ion: 95 Resp: 92667

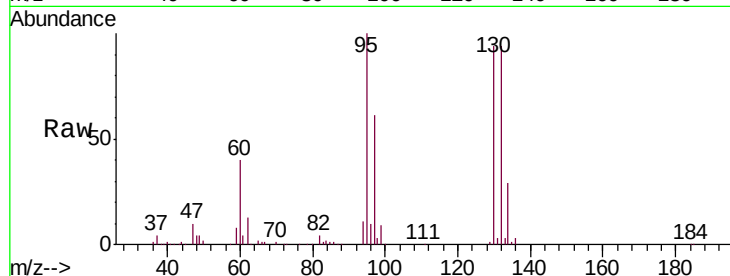
Ion Ratio Lower Upper

95 100

97 60.6 45.4 84.2

132 94.1 72.4 134.4

130 93.9 73.7 136.9

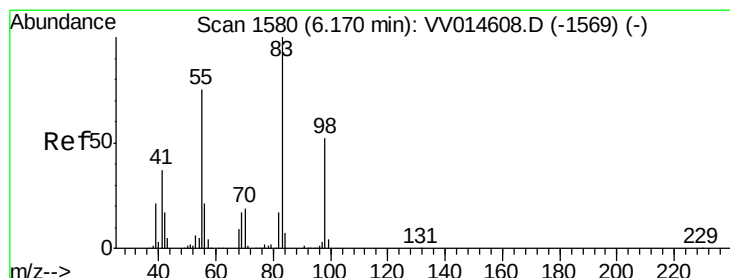
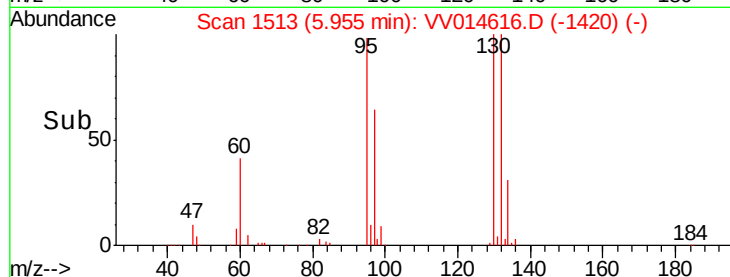
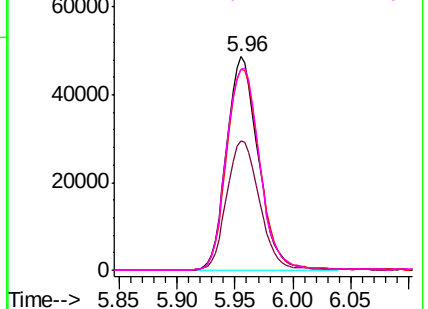


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.648 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

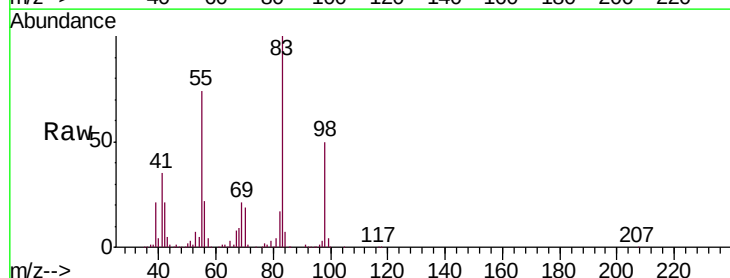
Tgt Ion: 83 Resp: 149933

Ion Ratio Lower Upper

83 100

55 72.7 57.1 85.7

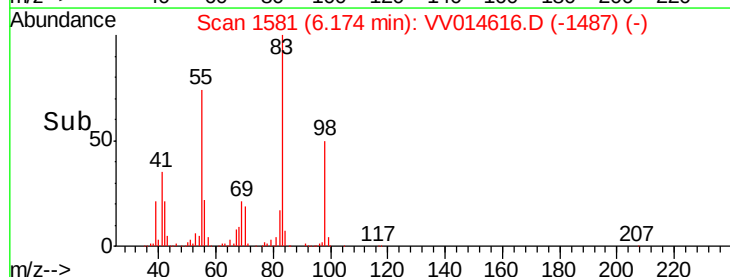
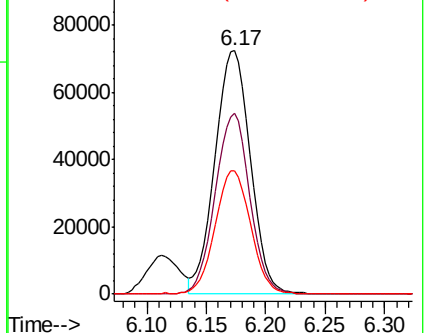
98 50.8 40.2 60.2

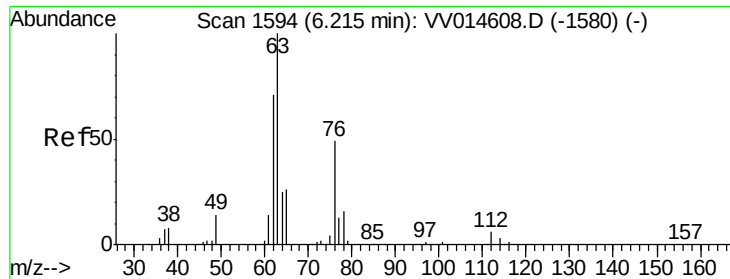


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

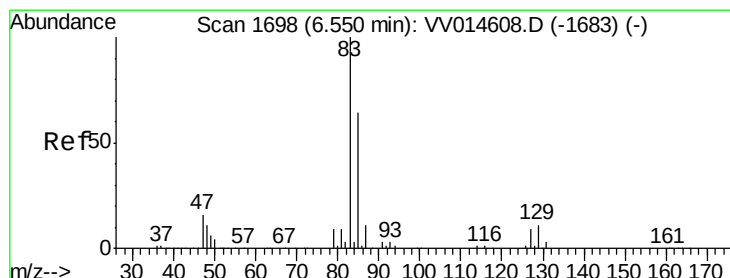
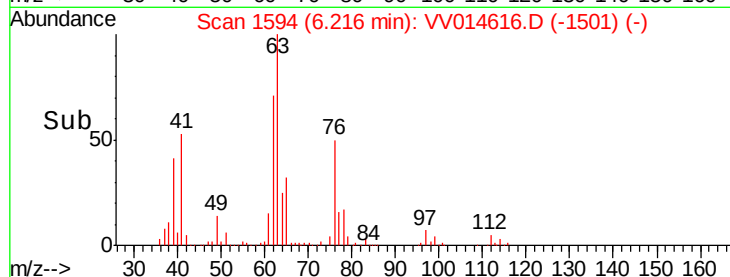
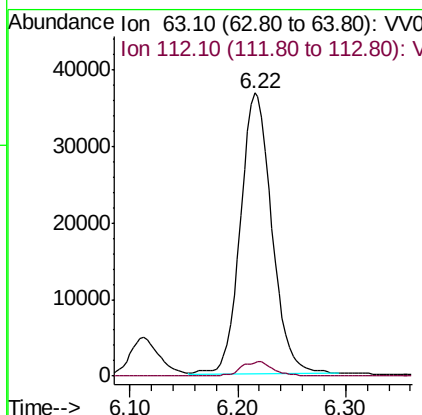
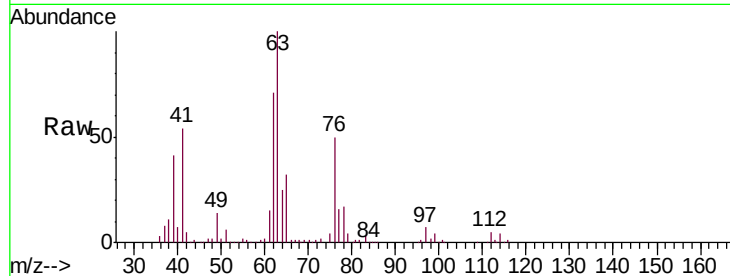




#37
 1,2-Dichloropropane
 Concen: 4.706 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

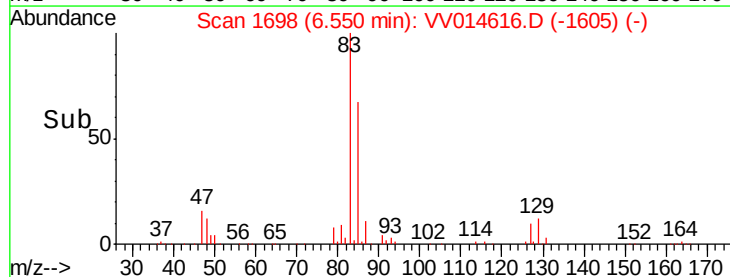
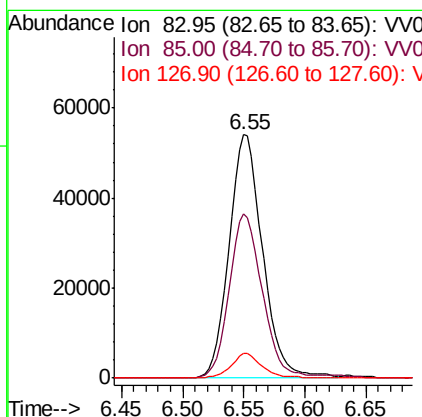
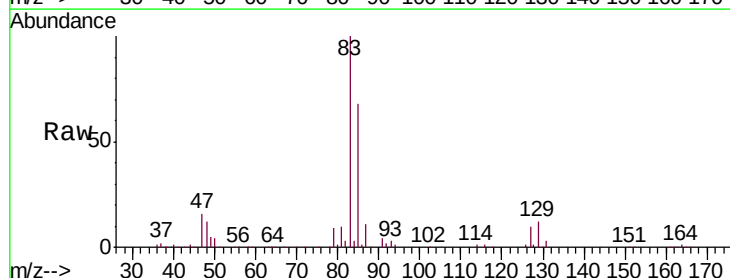
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

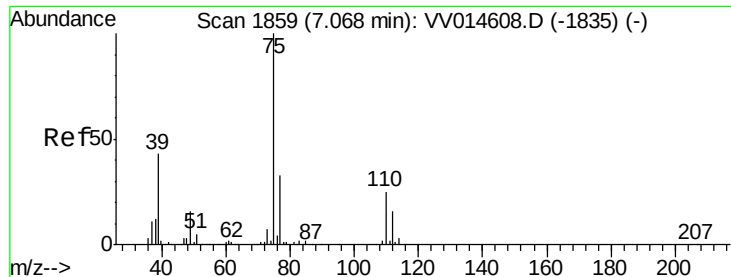
Tgt Ion: 63 Resp: 74453
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.3 6.5



#38
 Bromodichloromethane
 Concen: 4.584 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion: 83 Resp: 103634
 Ion Ratio Lower Upper
 83 100
 85 67.7 45.2 84.0
 127 10.1 7.0 10.6

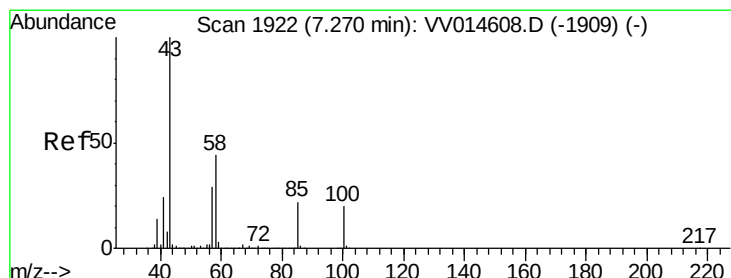
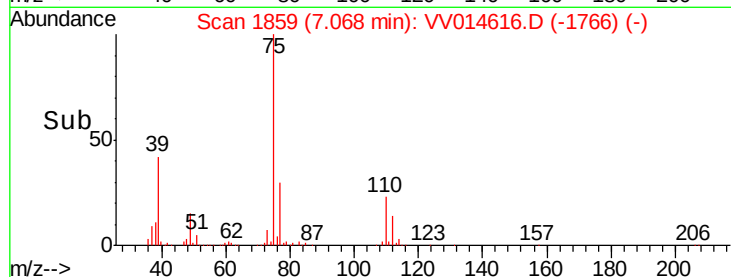
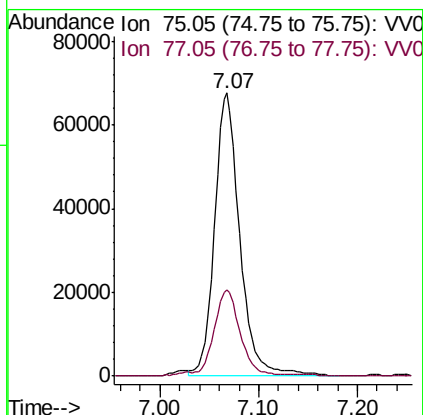
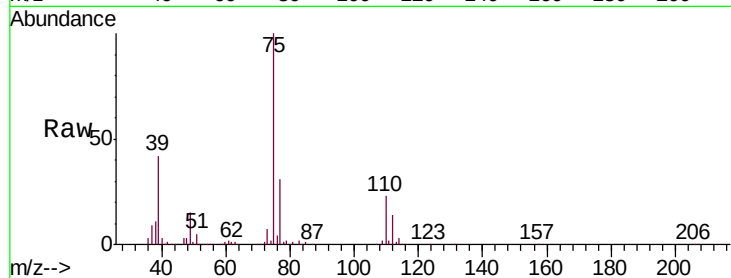




#39
 cis-1,3-Dichloropropene
 Concen: 4.743 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

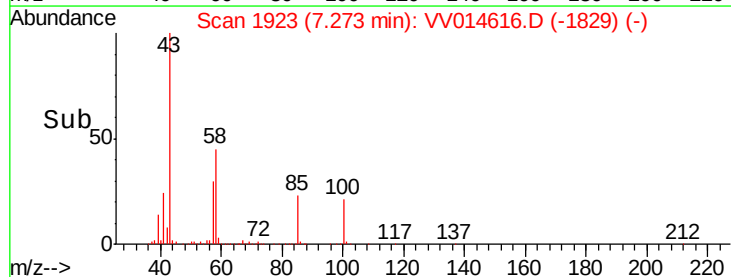
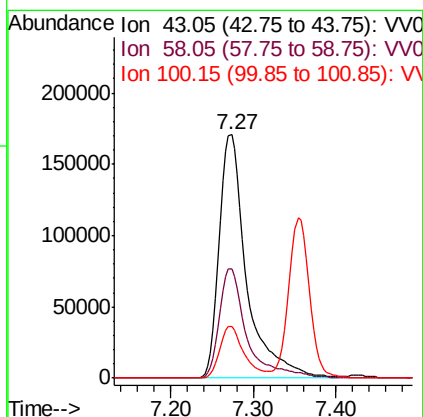
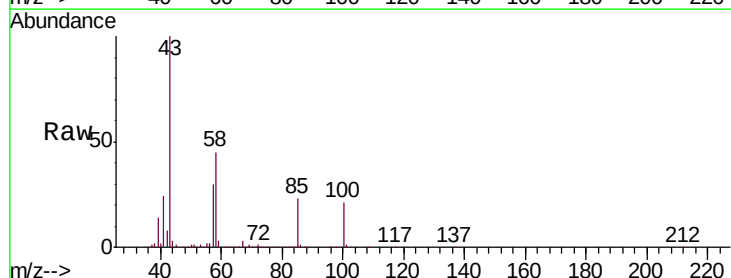
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

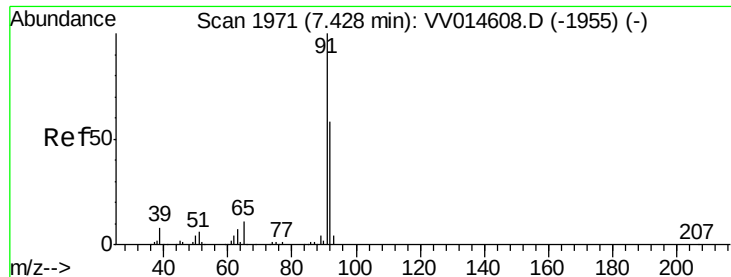
Tgt Ion: 75 Resp: 120661
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 50.804 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion: 43 Resp: 390198
 Ion Ratio Lower Upper
 43 100
 58 45.1 36.2 54.2
 100 18.9 14.7 22.1





#42

Toluene

Concen: 4.876 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

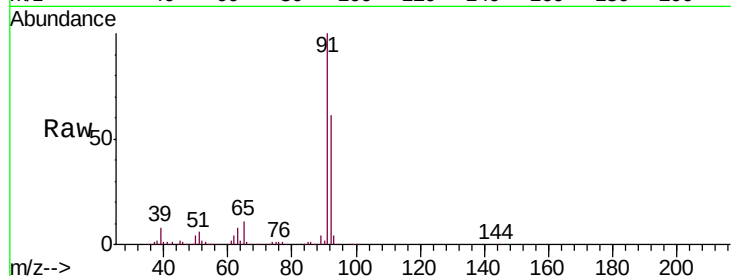
VSTD005707

Tgt Ion: 91 Resp: 364570

Ion Ratio Lower Upper

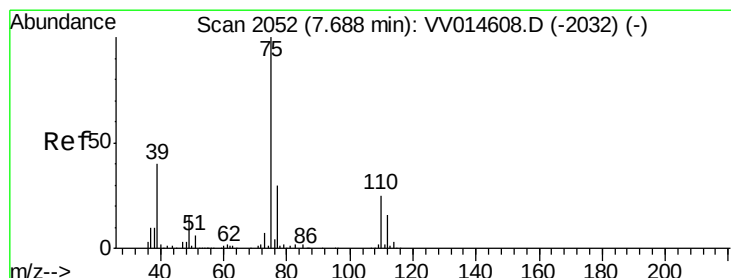
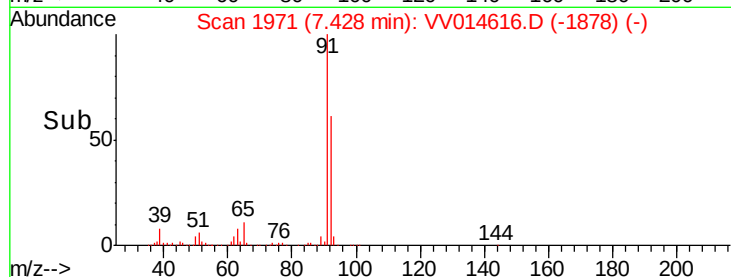
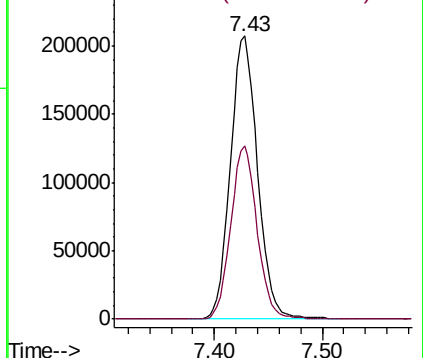
91 100

92 61.3 40.7 75.5



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: 4.663 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014616.D

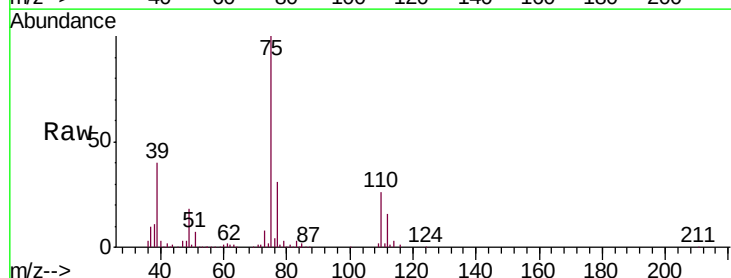
Acq: 19 Feb 2020 20:33

Tgt Ion: 75 Resp: 94576

Ion Ratio Lower Upper

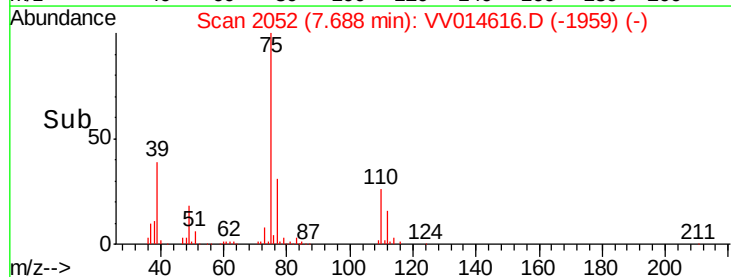
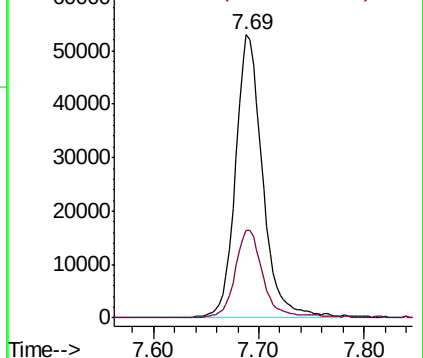
75 100

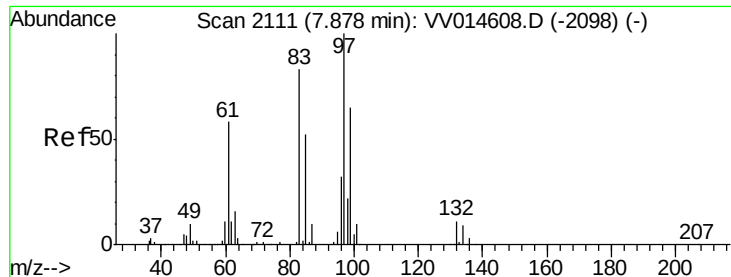
77 30.9 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

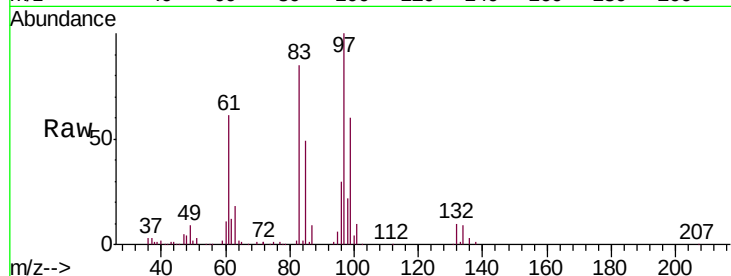




#45
 1,1,2-Trichloroethane
 Concen: 4.753 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

Tgt Ion:	97	Resp:	56341
Ion	Ratio	Lower	Upper
97	100		
99	60.2	45.2	84.0
83	85.3	58.3	108.3
85	49.1	36.3	67.5



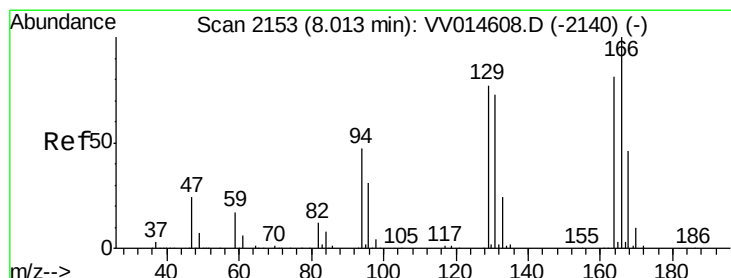
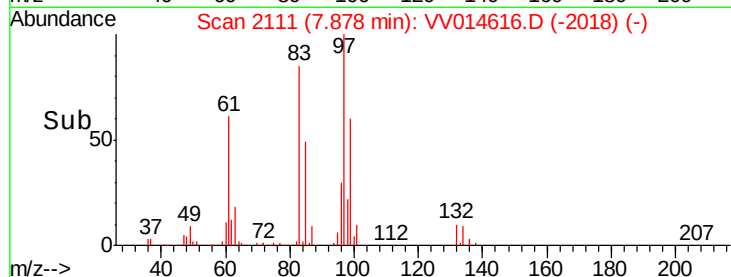
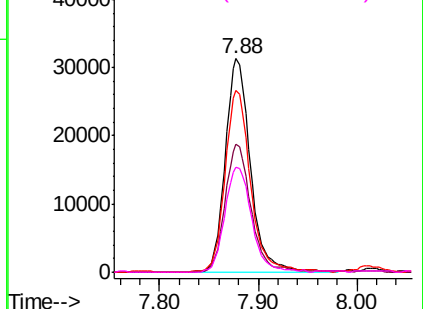
Abundance

Ion 96.95 (96.65 to 97.65): VV014616.D (-2018) (-)

Ion 99.05 (98.75 to 99.75): VV014616.D (-2018) (-)

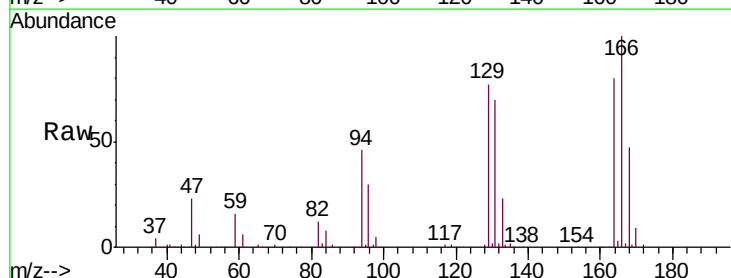
Ion 82.95 (82.65 to 83.65): VV014616.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV014616.D (-2018) (-)



#47
 Tetrachloroethene
 Concen: 4.830 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion:	164	Resp:	73984
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.0	124.4
131	88.1	63.6	118.2
166	125.6	86.7	161.1



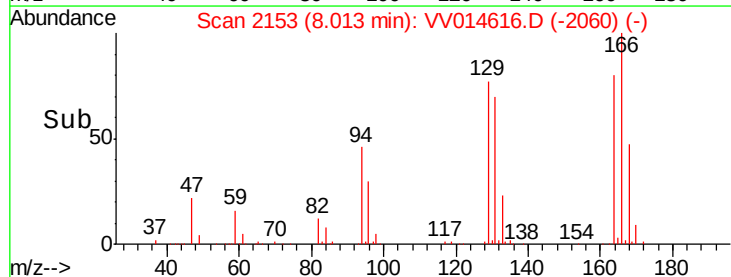
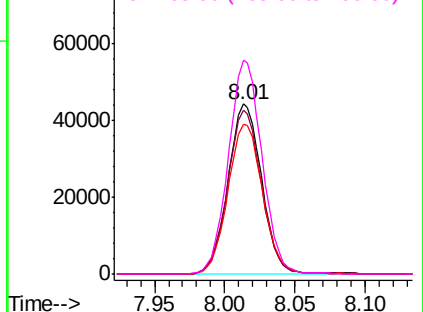
Abundance

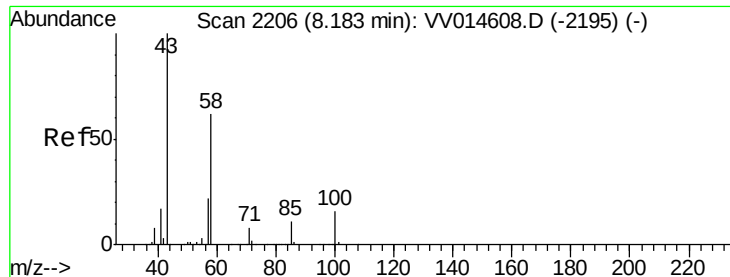
Ion 163.90 (163.60 to 164.60): VV014616.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV014616.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV014616.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV014616.D (-2060) (-)

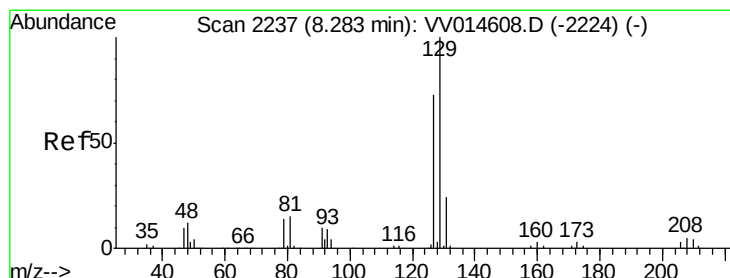
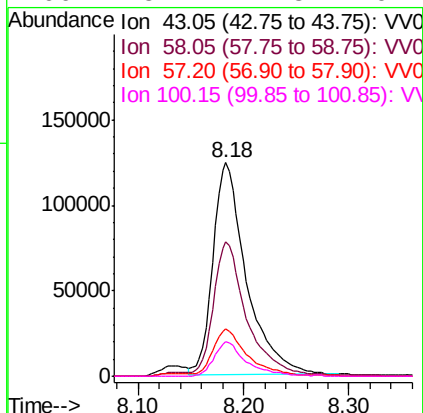
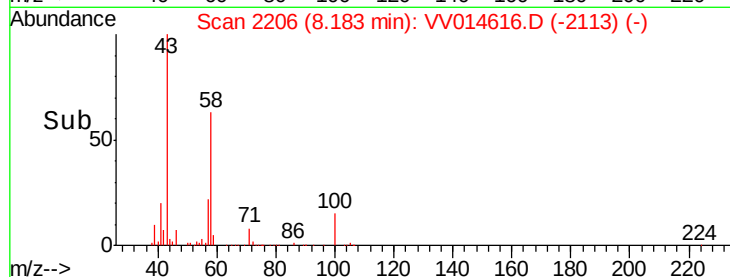
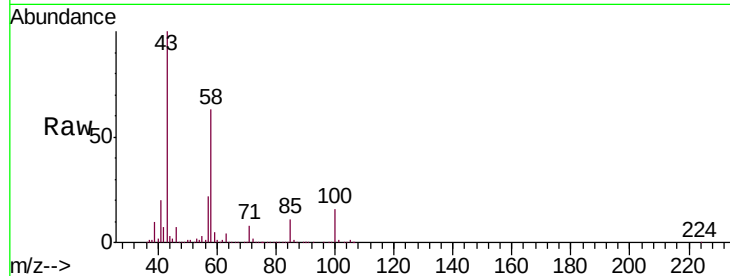




#48
2-Hexanone
Concen: 49.745 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

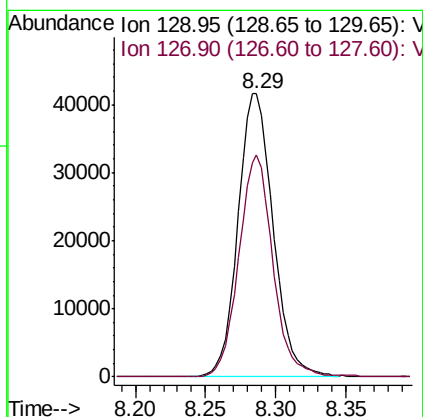
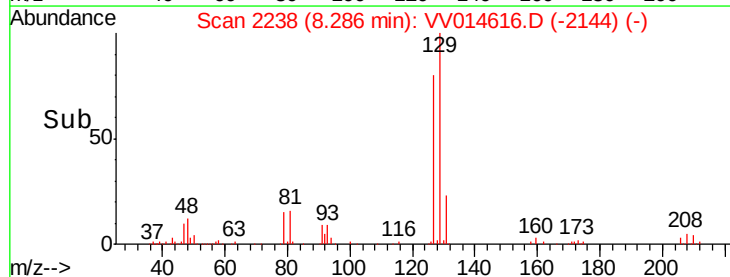
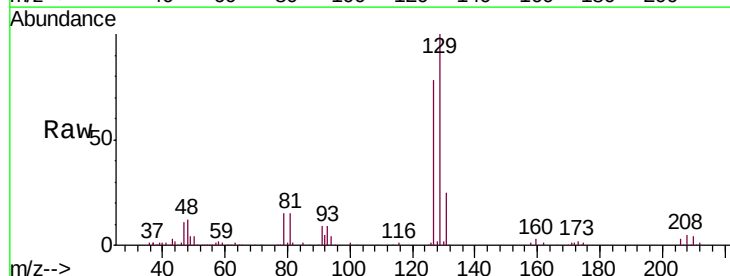
Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

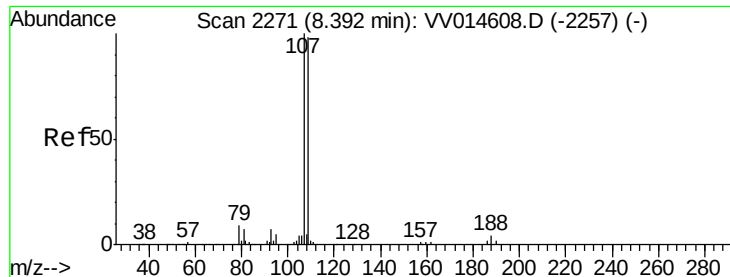
Tgt Ion: 43 Resp: 274898
Ion Ratio Lower Upper
43 100
58 61.1 48.6 73.0
57 21.9 17.7 26.5
100 15.7 12.8 19.2



#49
Dibromochloromethane
Concen: 4.737 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Tgt Ion: 129 Resp: 72709
Ion Ratio Lower Upper
129 100
127 78.4 50.9 94.5

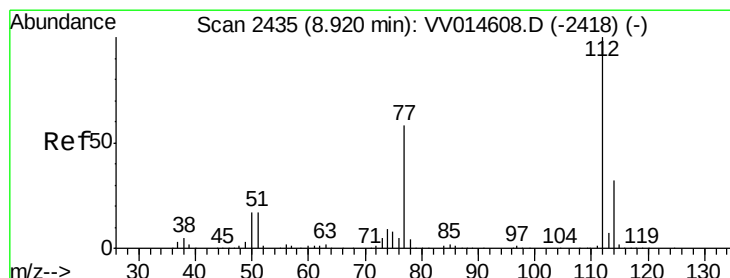
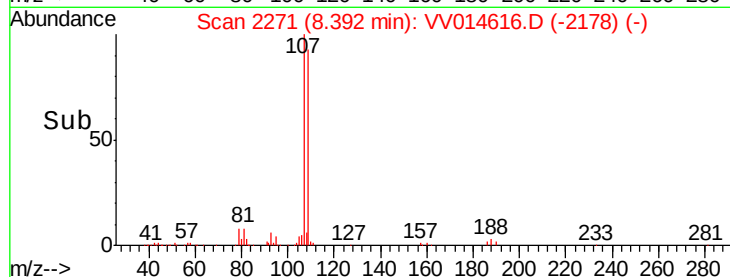
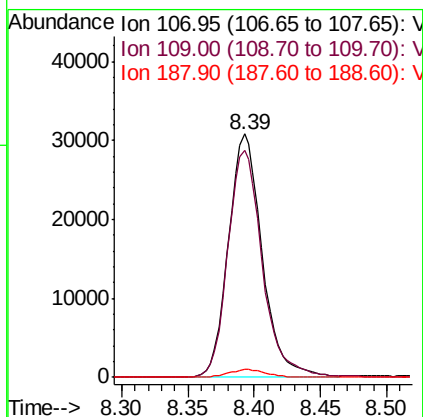
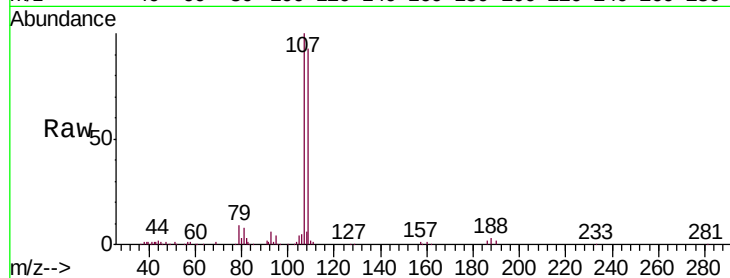




#50
1,2-Dibromoethane
Concen: 4.843 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

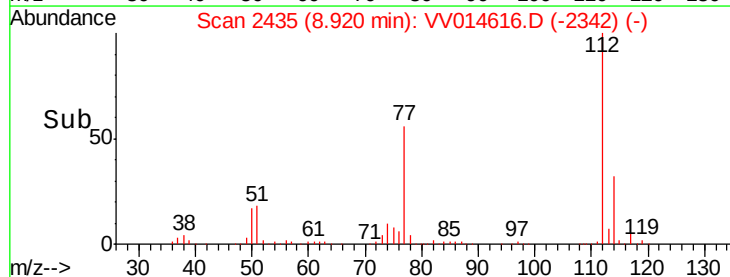
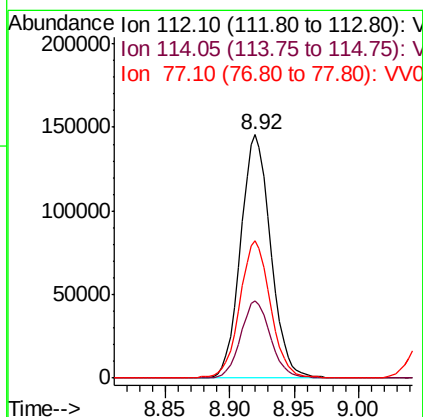
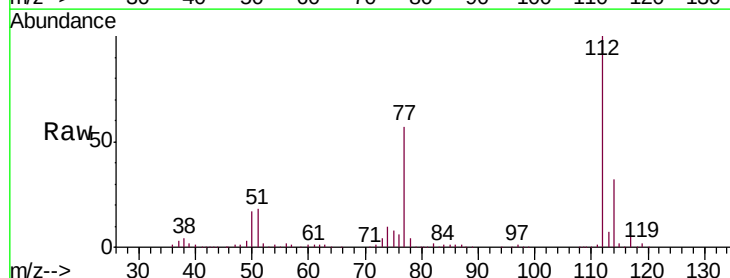
Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

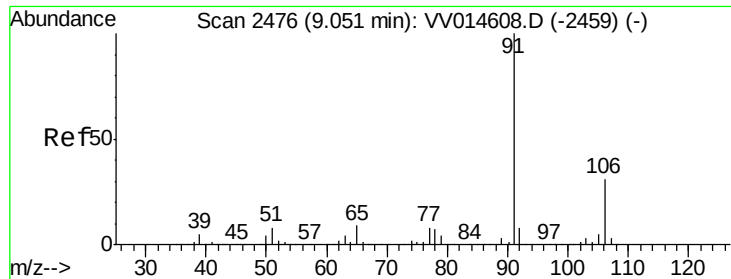
Tgt Ion:107 Resp: 54608
Ion Ratio Lower Upper
107 100
109 93.5 68.7 127.5
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.804 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Tgt Ion:112 Resp: 236975
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 56.6 46.6 70.0





#52

Ethylbenzene

Concen: 4.835 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

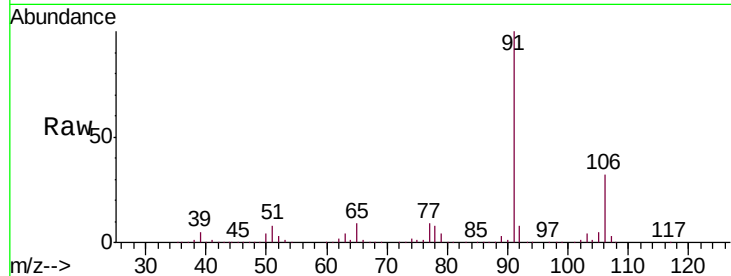
VSTD005707

Tgt Ion: 91 Resp: 411526

Ion Ratio Lower Upper

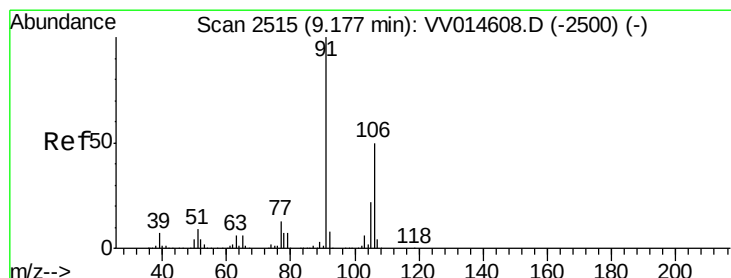
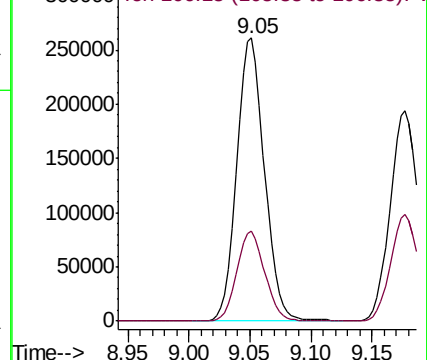
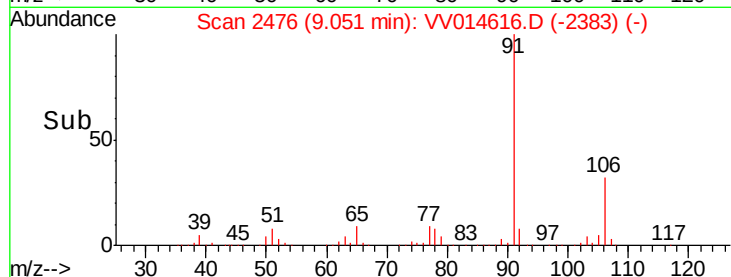
91 100

106 31.8 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV014616.D (-2383) (-)

Ion 106.15 (105.85 to 106.85): VV014616.D (-2383) (-)



#53

m,p-xylene

Concen: 4.903 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014616.D

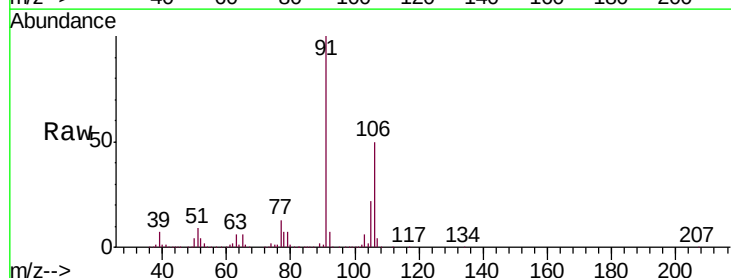
Acq: 19 Feb 2020 20:33

Tgt Ion: 106 Resp: 159716

Ion Ratio Lower Upper

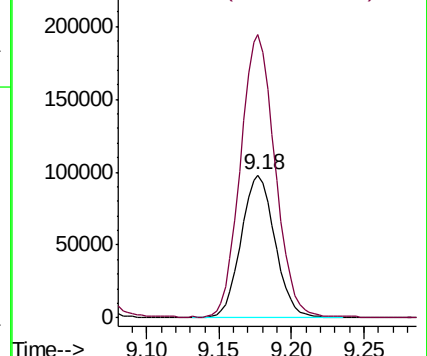
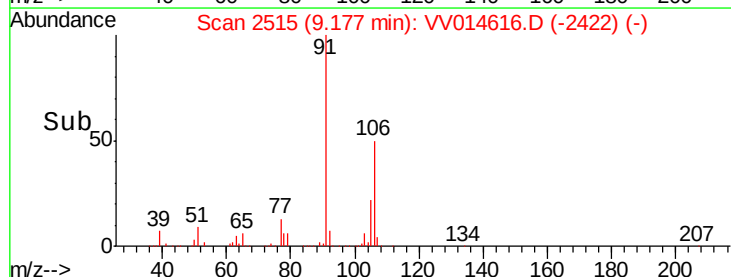
106 100

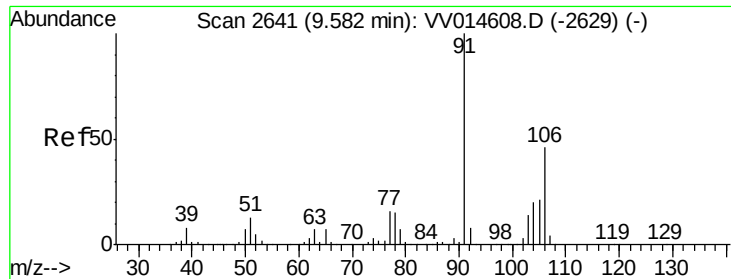
91 198.4 139.6 259.2



Abundance Ion 106.15 (105.85 to 106.85): VV014616.D (-2422) (-)

Ion 91.15 (90.85 to 91.85): VV014616.D (-2422) (-)





#54

o-xylene

Concen: 4.993 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

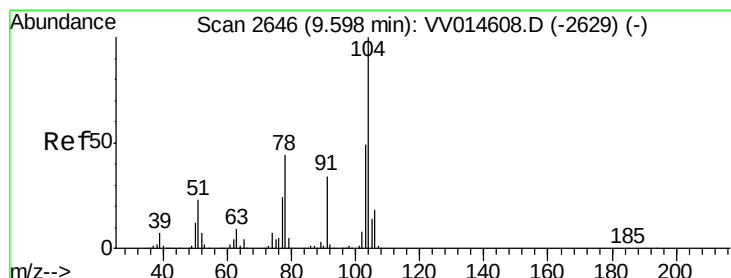
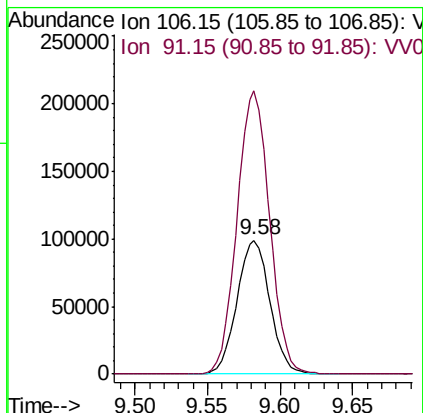
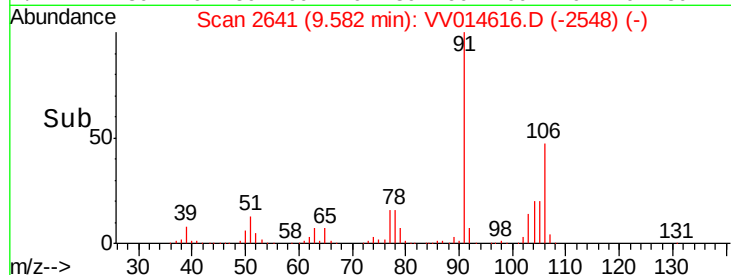
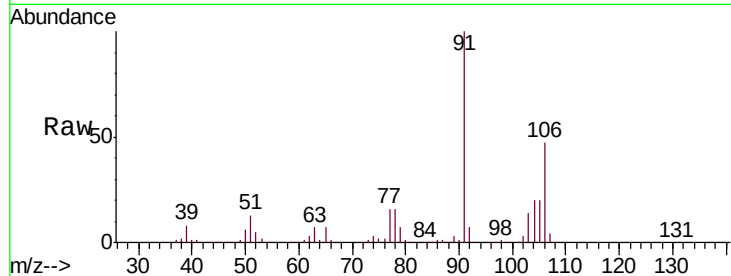
VSTD005707

Tgt Ion:106 Resp: 156186

Ion Ratio Lower Upper

106 100

91 211.3 153.9 285.7



#55

Styrene

Concen: 4.850 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014616.D

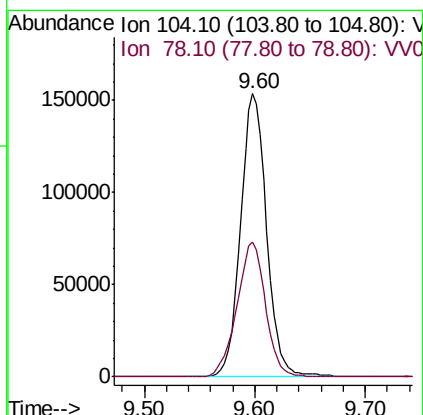
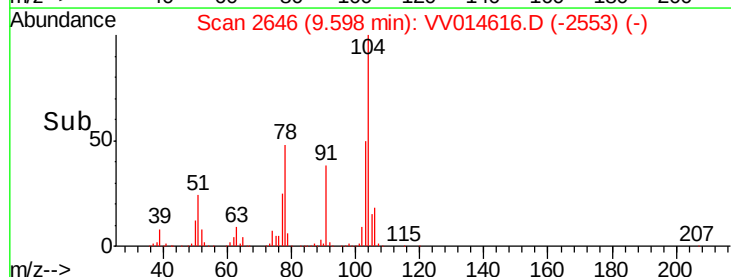
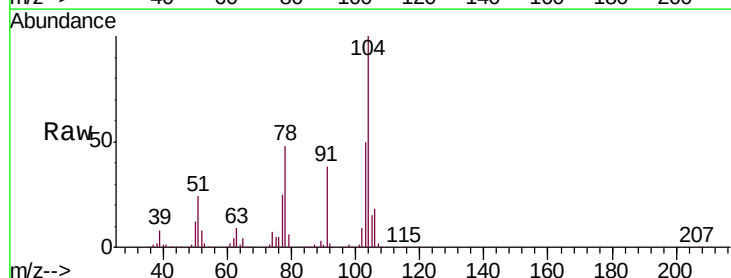
Acq: 19 Feb 2020 20:33

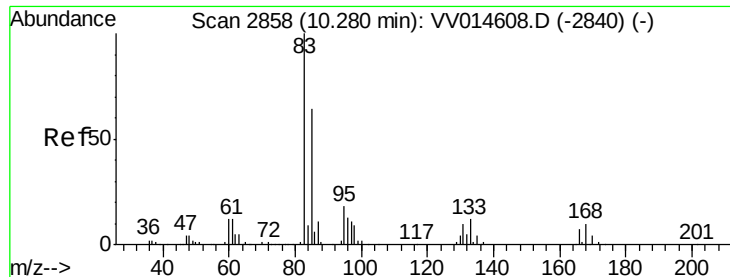
Tgt Ion:104 Resp: 250586

Ion Ratio Lower Upper

104 100

78 47.7 30.8 57.2

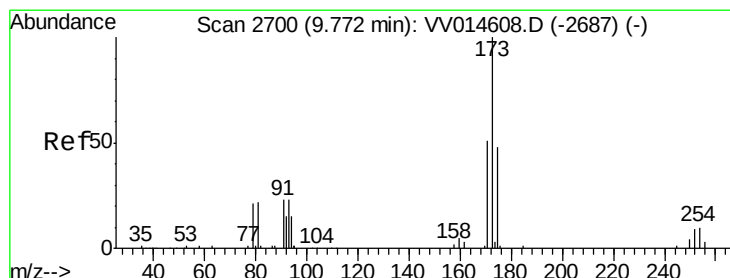
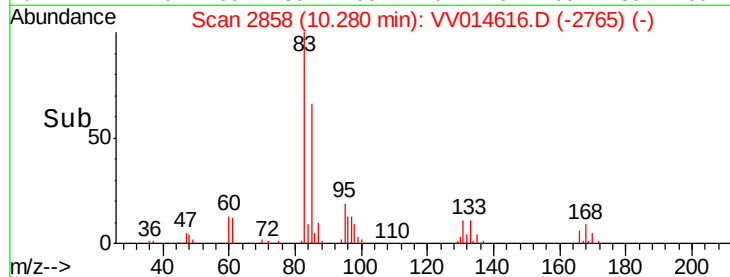
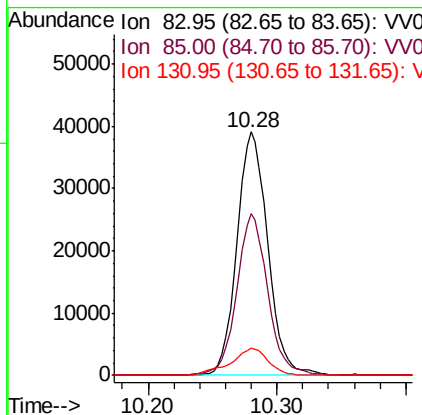
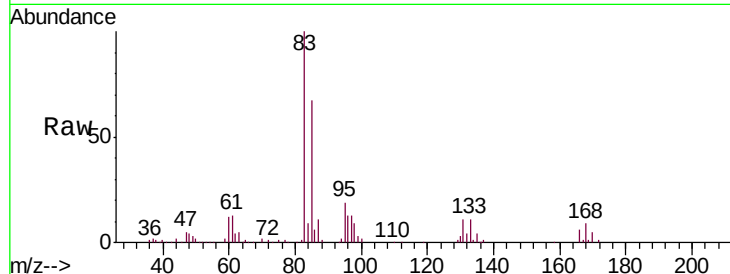




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.811 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

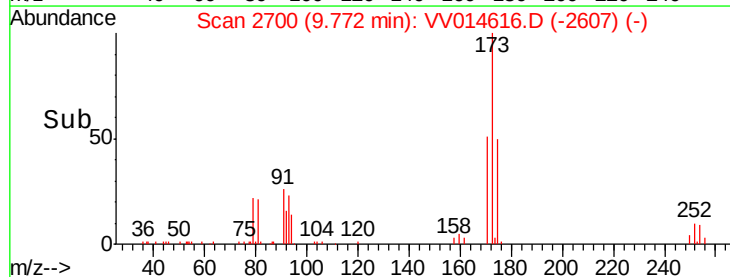
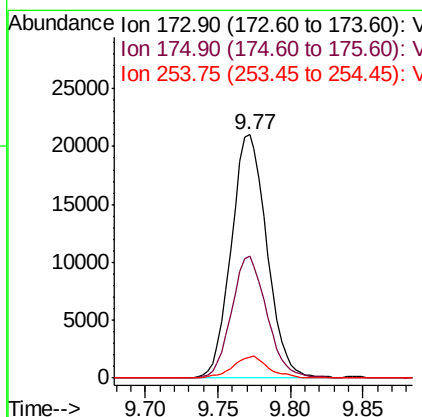
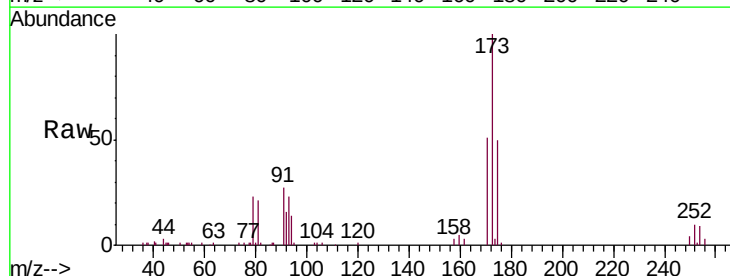
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

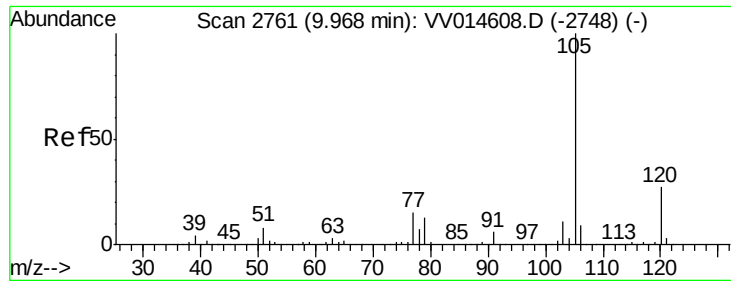
Tgt Ion: 83 Resp: 64900
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.6 82.8
 131 11.0 8.1 12.1



#59
 Bromoform
 Concen: 4.612 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion: 173 Resp: 35987
 Ion Ratio Lower Upper
 173 100
 175 49.6 40.0 60.0
 254 8.8 8.2 12.2





#60

Isopropylbenzene

Concen: 4.832 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005707

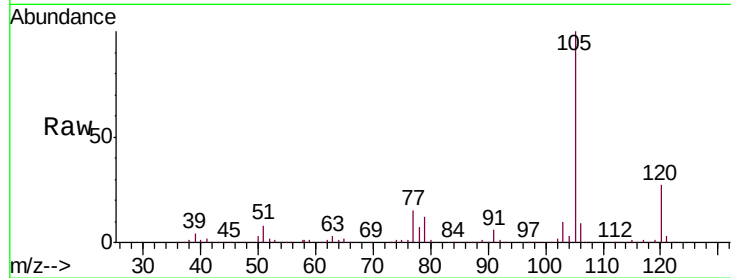
Tgt Ion: 105 Resp: 411861

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

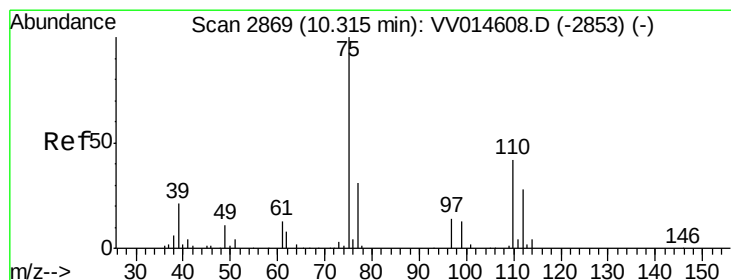
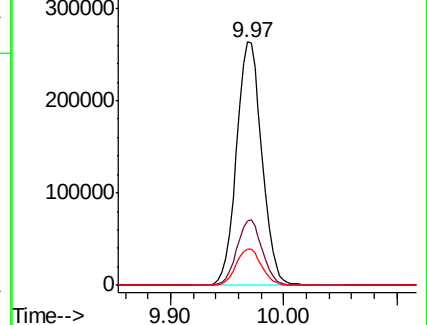
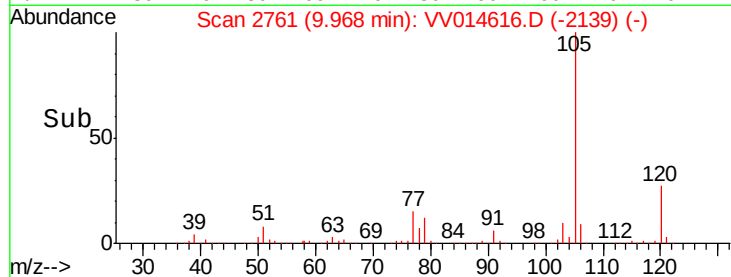
77 15.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.876 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014616.D

Acq: 19 Feb 2020 20:33

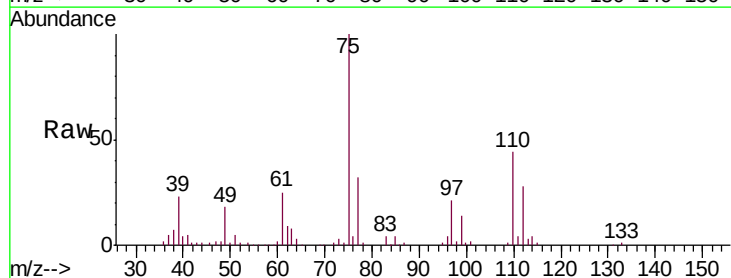
Tgt Ion: 75 Resp: 47524

Ion Ratio Lower Upper

75 100

77 32.7 26.3 39.5

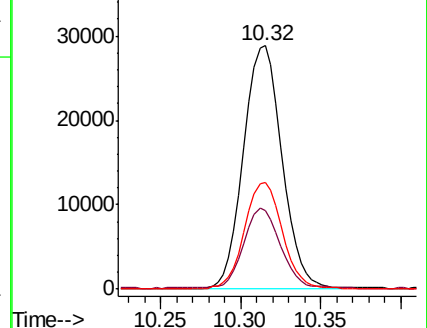
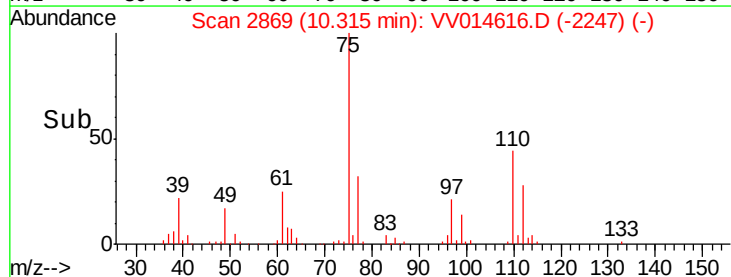
110 43.3 33.6 50.4

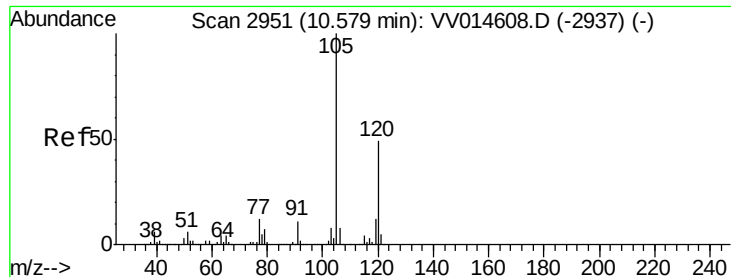


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

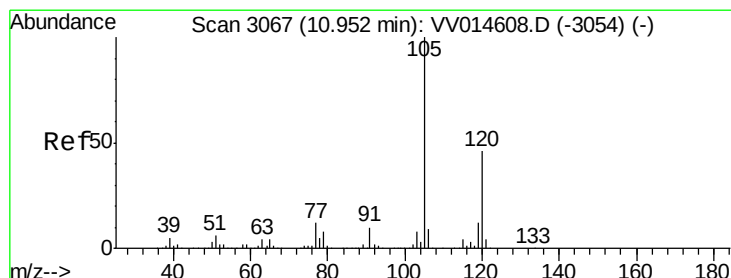
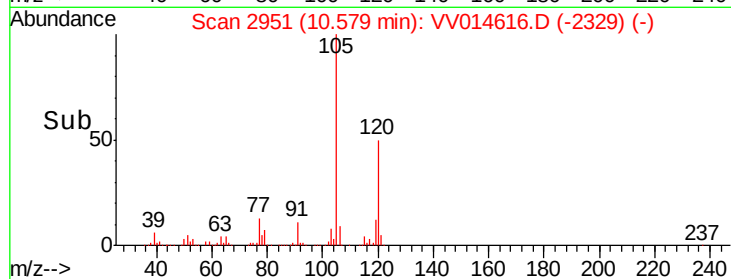
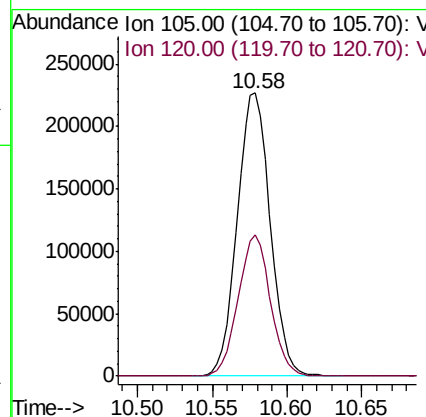
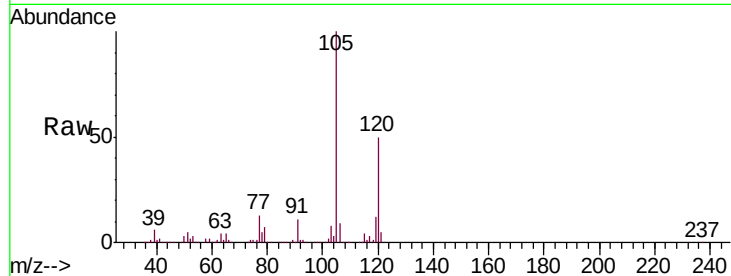




#62
 1,3,5-Trimethylbenzene
 Concen: 4.894 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

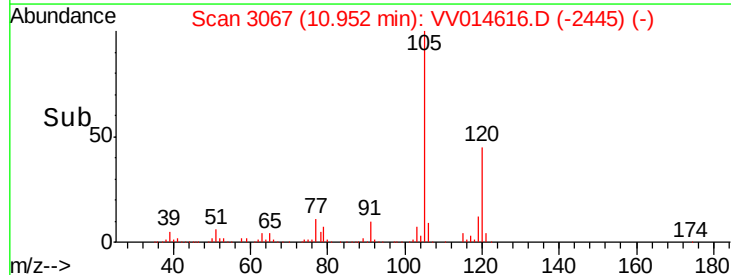
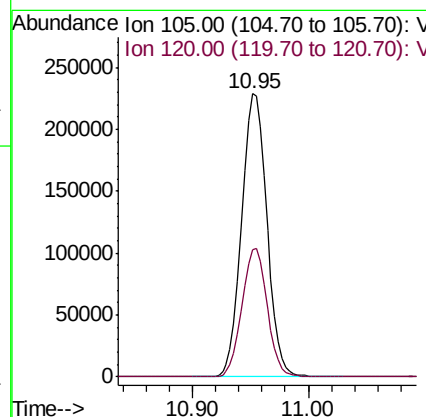
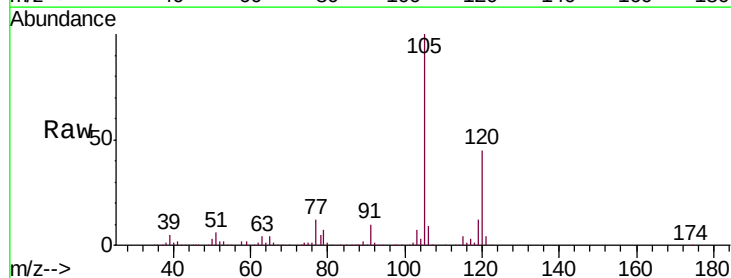
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

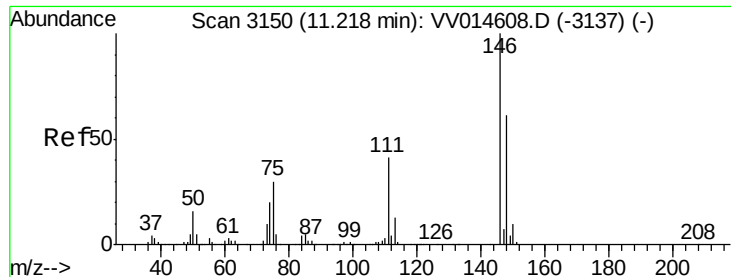
Tgt Ion:105 Resp: 348182
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.937 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion:105 Resp: 344497
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.5 54.7

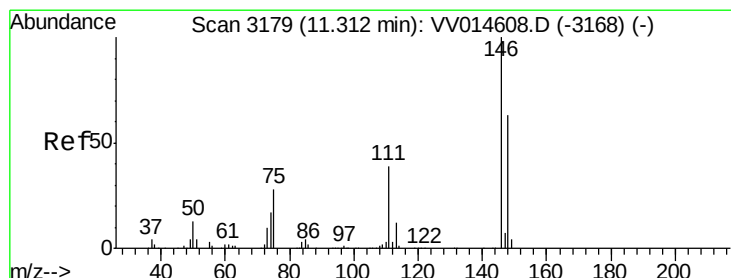
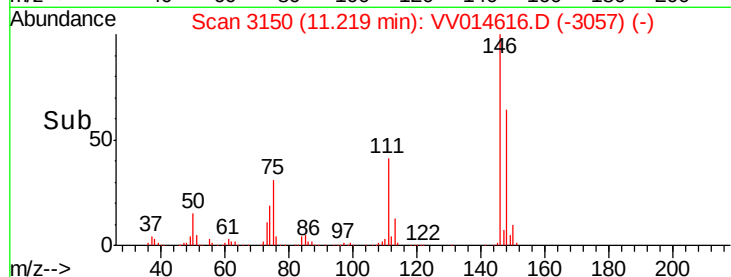
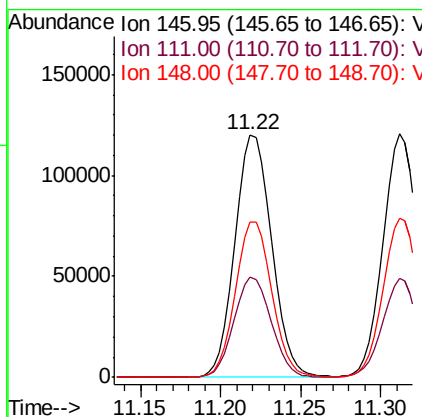
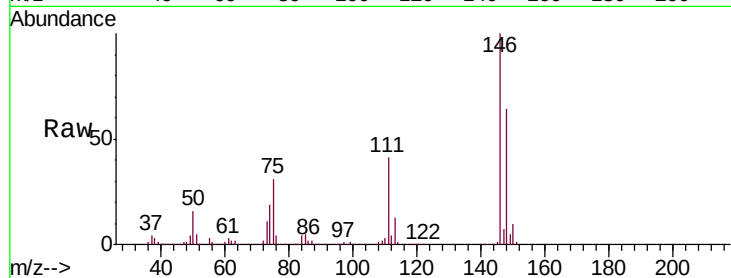




#64
 1,3-Dichlorobenzene
 Concen: 4.710 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

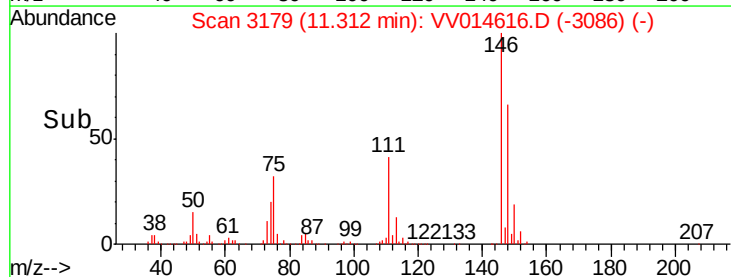
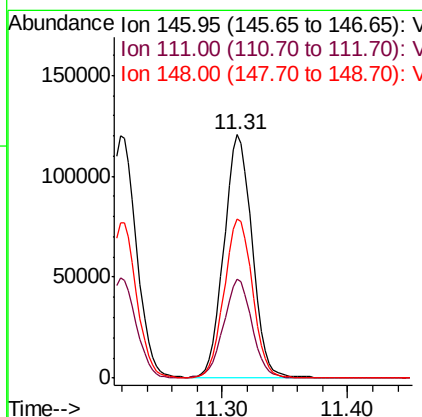
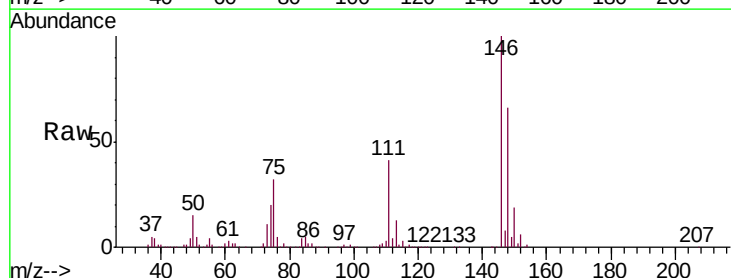
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

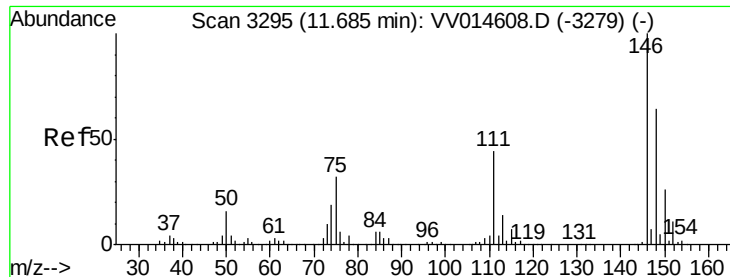
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	28.4	52.8
148	64.1	43.0	79.8



#65
 1,4-Dichlorobenzene
 Concen: 4.760 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.6	51.4
148	65.6	44.3	82.3

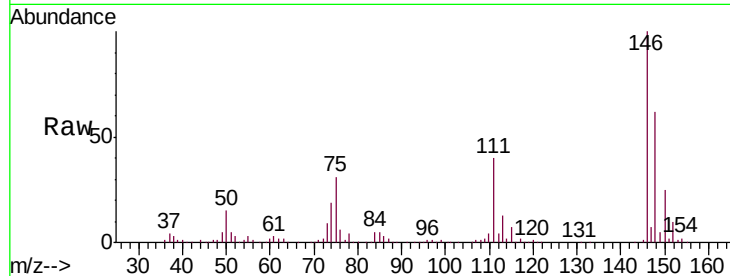




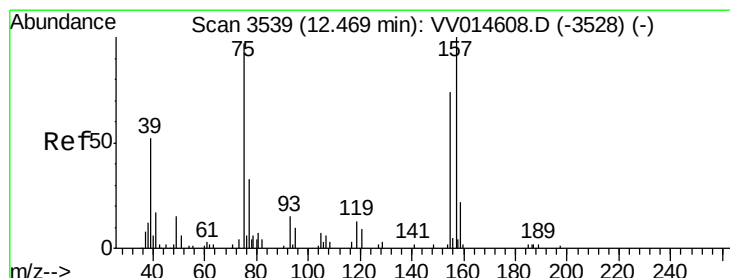
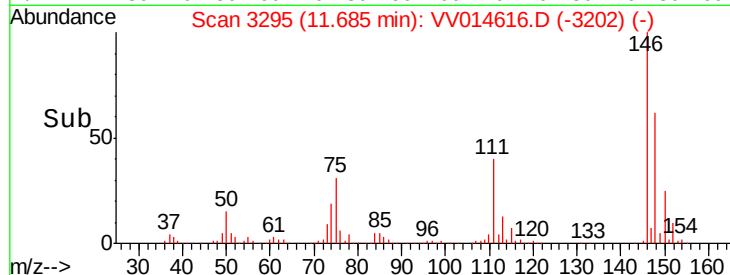
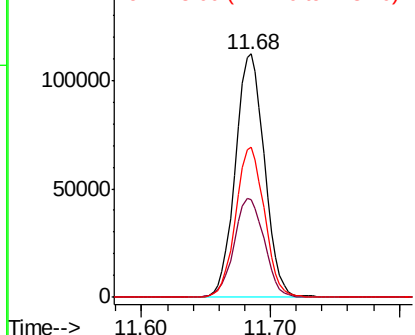
#67
 1,2-Dichlorobenzene
 Concen: 5.017 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

Tgt Ion: 146 Resp: 176051
 Ion Ratio Lower Upper
 146 100
 111 40.1 35.0 52.4
 148 61.9 51.4 77.0

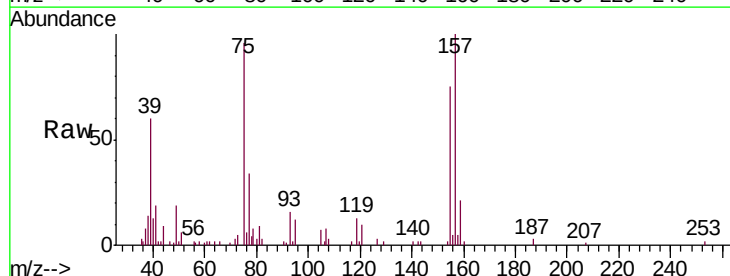


Abundance Ion 145.95 (145.65 to 146.65): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

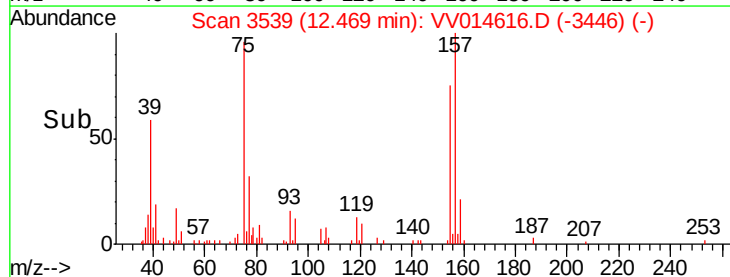
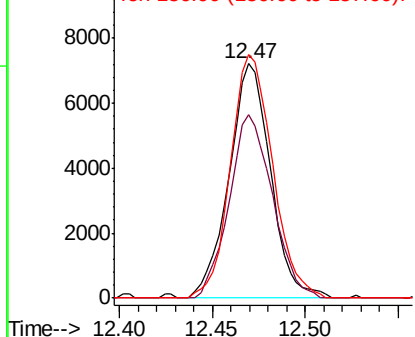


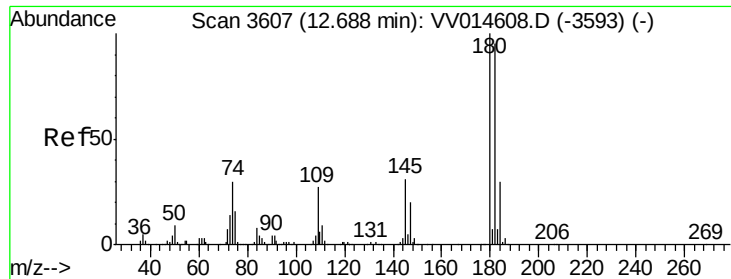
#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.869 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion: 75 Resp: 11211
 Ion Ratio Lower Upper
 75 100
 155 78.3 61.4 92.2
 157 103.9 82.8 124.2



Abundance Ion 75.05 (74.75 to 75.75): VV0
 10000 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

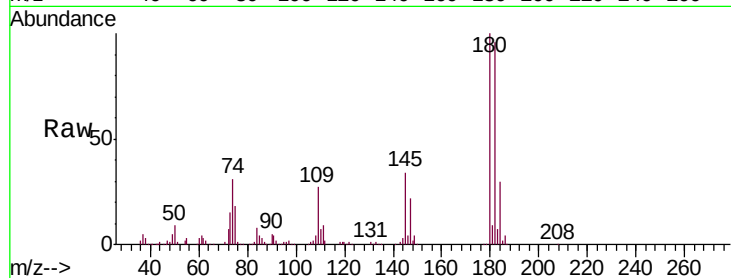




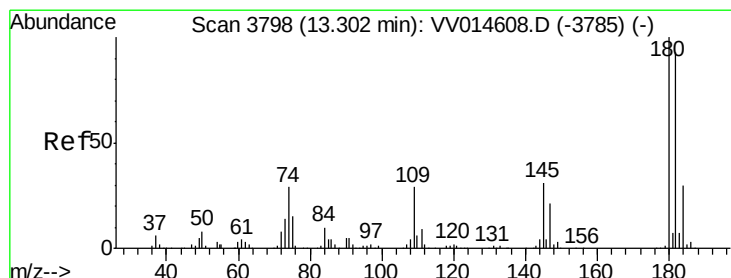
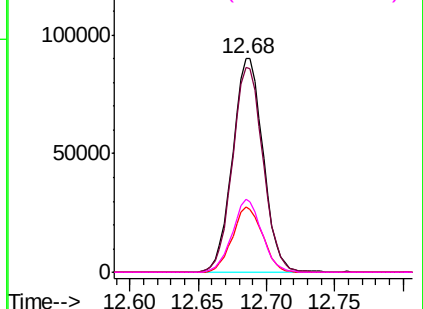
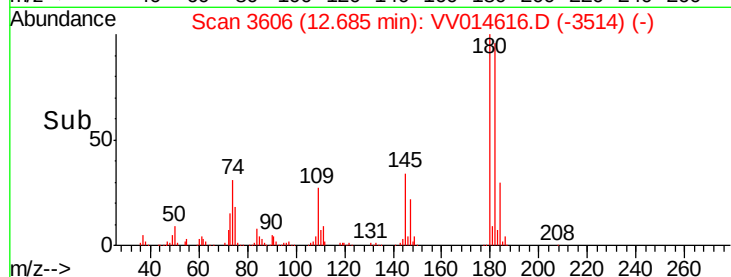
#69
 1,3,5-Trichlorobenzene
 Concen: 4.777 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005707

Tgt Ion:	180	Resp:	140752
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
184	30.1	23.9	35.9
145	32.8	25.4	38.2

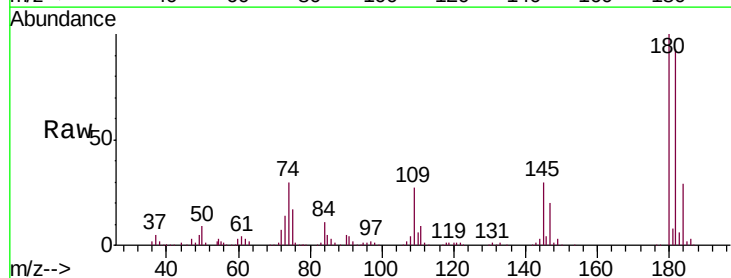


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

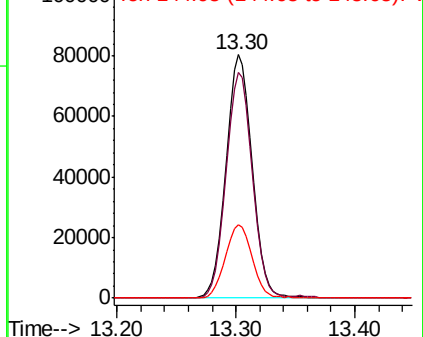
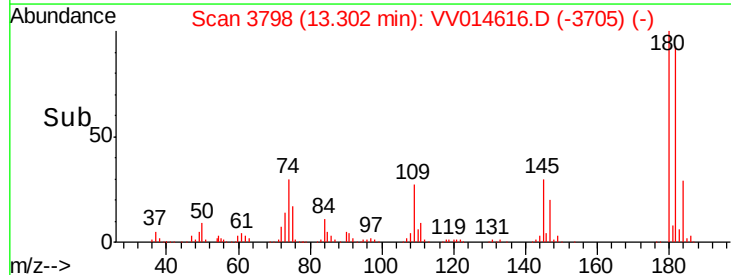


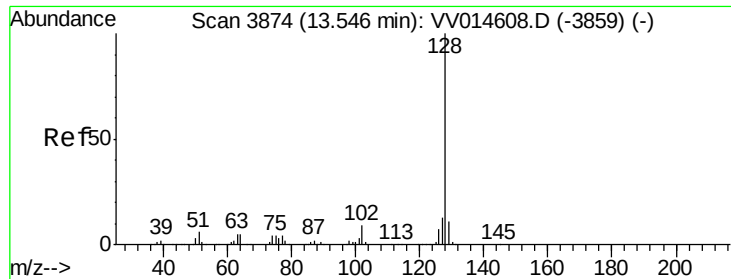
#70
 1,2,4-trichlorobenzene
 Concen: 4.966 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014616.D
 Acq: 19 Feb 2020 20:33

Tgt Ion:	180	Resp:	122566
Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.7	113.5
145	31.1	25.1	37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

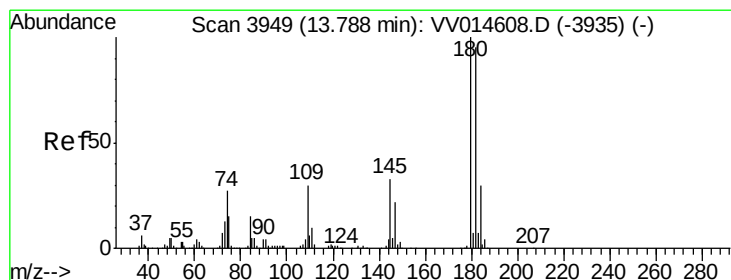
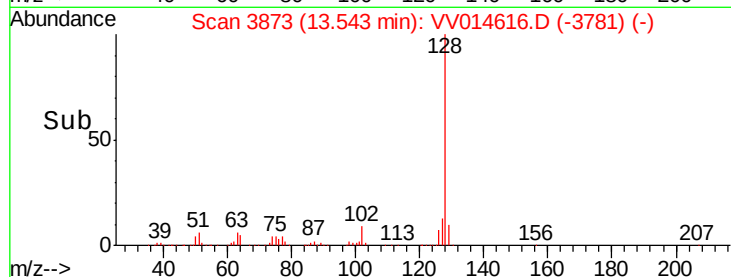
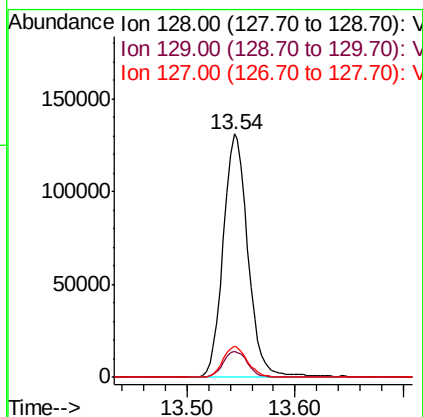
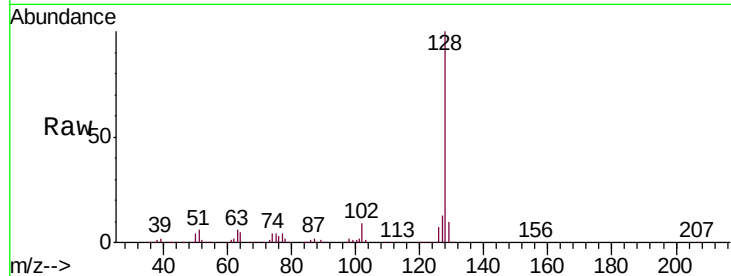




#71
Naphthalene
Concen: 5.036 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005707

Tgt Ion:128 Resp: 210150
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.5 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.141 ug/L
RT: 13.78 min Scan# 3948
Delta R.T. -0.00 min
Lab File: VV014616.D
Acq: 19 Feb 2020 20:33

Tgt Ion:180 Resp: 111132
Ion Ratio Lower Upper
180 100
182 95.5 75.0 112.6
145 34.9 26.7 40.1

