

Data File : VV013203.D
Acq On : 18 Oct 2019 14:30
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Quant Time: Oct 19 04:17:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 15:14:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	546361	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	561288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	345154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	257092	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	199960	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.13	63	399130	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	3.96	46	479111	41.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.42%
24) Chloroform-d	4.40	84	497760	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	232866	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.09	84	1026944	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.11	67	301895	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.35	98	962646	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.66	79	113858	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.13	63	452454	49.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	215362	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	345641	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	313089	4.605 ug/L	99
3) Chloromethane	1.25	50	285858	4.356 ug/L	100
5) Vinyl chloride	1.32	62	257813	4.479 ug/L	99
6) Bromomethane	1.53	94	142234	4.435 ug/L	100
8) Chloroethane	1.60	64	147910	4.485 ug/L	96
9) Trichlorofluoromethane	1.77	101	364197	4.467 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	209835	4.558 ug/L	100
12) 1,1-Dichloroethene	2.14	96	198787	4.530 ug/L	93
13) Acetone	2.23	43	182834	34.777 ug/L	87
14) Carbon disulfide	2.31	76	570500	4.569 ug/L	100
15) Methyl Acetate	2.47	43	62794	4.848 ug/L	100
16) Methylene chloride	2.53	84	263862	4.801 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	540658	4.600 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	261230	4.562 ug/L	97
19) 1,1-Dichloroethane	3.22	63	478718	4.596 ug/L	99
21) 2-Butanone	4.04	43	489227	38.814 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	275648	4.661 ug/L #	98

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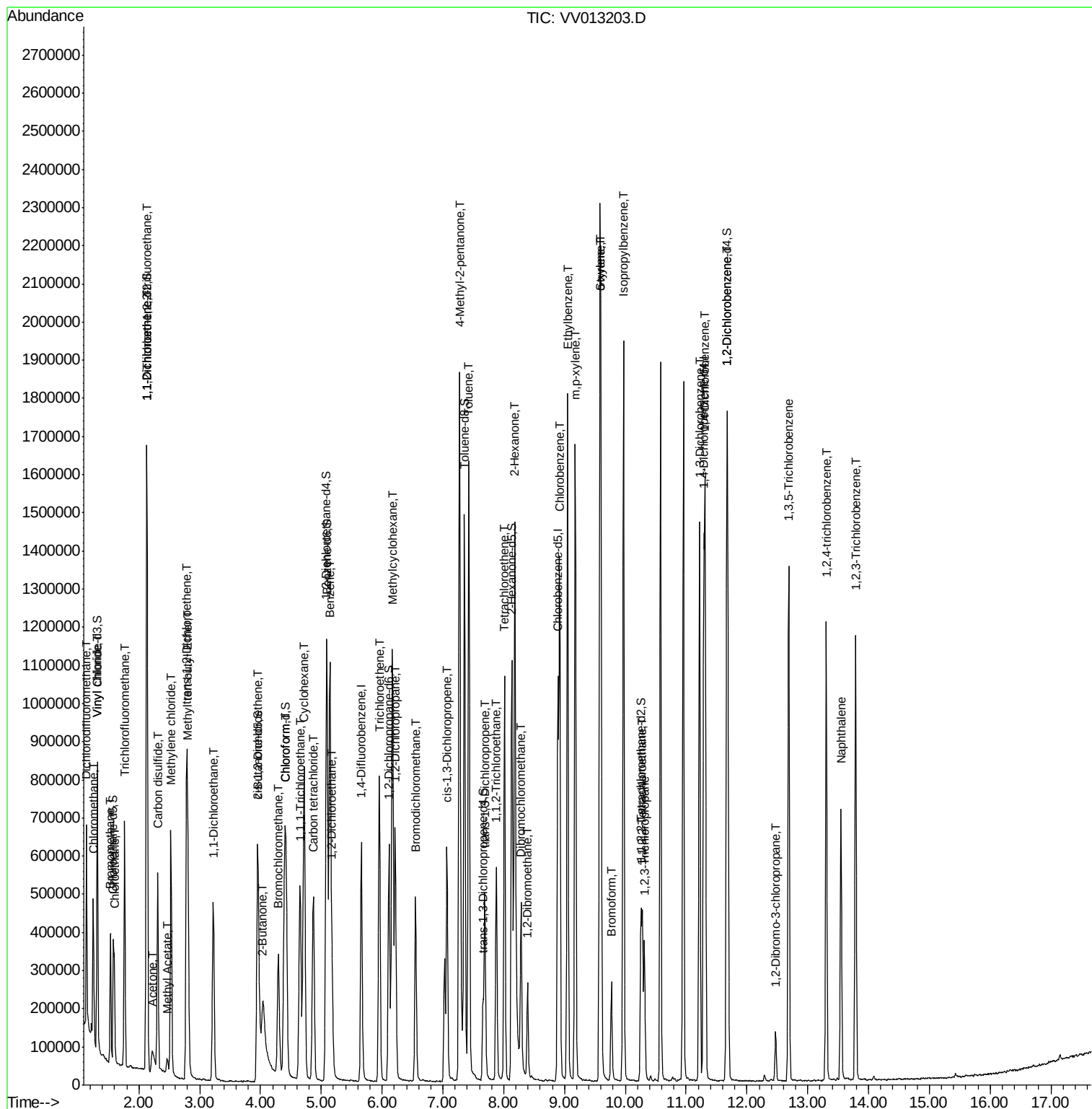
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	116783	4.416	ug/L	98
25) Chloroform	4.42	83	478689	4.348	ug/L	97
27) 1,2-Dichloroethane	5.18	62	279468	4.653	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	403746	4.658	ug/L	99
30) Cyclohexane	4.72	56	442794	4.947	ug/L	99
31) Carbon tetrachloride	4.87	117	361730	4.712	ug/L	98
33) Benzene	5.14	78	1081472	4.785	ug/L	100
34) Trichloroethene	5.95	95	282042	4.811	ug/L	99
35) Methylcyclohexane	6.17	83	453297	5.039	ug/L	98
37) 1,2-Dichloropropane	6.22	63	260802	4.678	ug/L	100
38) Bromodichloromethane	6.55	83	317999	4.521	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	363193	4.873	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1459068	48.656	ug/L	98
42) Toluene	7.42	91	1157835	4.983	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	276258	4.818	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	177626	4.645	ug/L	99
47) Tetrachloroethene	8.01	164	244745	4.775	ug/L	99
48) 2-Hexanone	8.18	43	1104672	50.721	ug/L	99
49) Dibromochloromethane	8.29	129	218026	4.761	ug/L	99
50) 1,2-Dibromoethane	8.39	107	166218	4.807	ug/L	100
51) Chlorobenzene	8.92	112	725379	4.856	ug/L	97
52) Ethylbenzene	9.05	91	1215351	5.016	ug/L	99
53) m,p-xylene	9.18	106	464066	5.080	ug/L	98
54) o-xylene	9.58	106	449647	5.063	ug/L	99
55) Styrene	9.60	104	772488	5.218	ug/L	98
56) Isopropylbenzene	9.97	105	1216694	5.208	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	208145	4.671	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	150220	4.659	ug/L	98
61) Bromoform	9.77	173	121378	4.326	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	609168	4.929	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	602983	4.897	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	551492	4.710	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	29902	4.032	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	435466	4.803	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	386019	4.882	ug/L	99
69) Naphthalene	13.55	128	571633	4.684	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	368874	4.713	ug/L	99

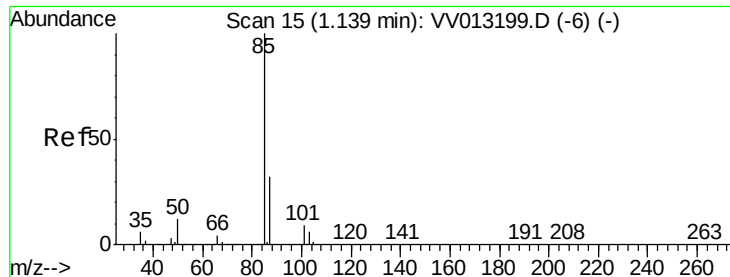
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.605 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

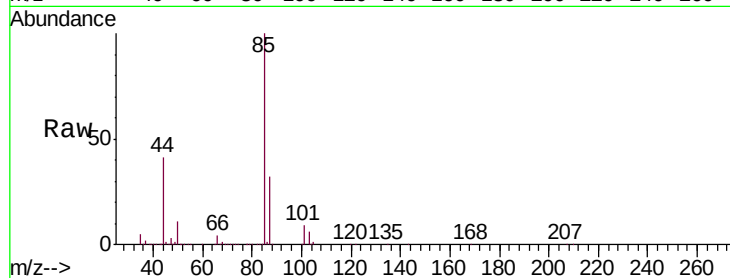
VSTD00546

Tgt Ion: 85 Resp: 313089

Ion Ratio Lower Upper

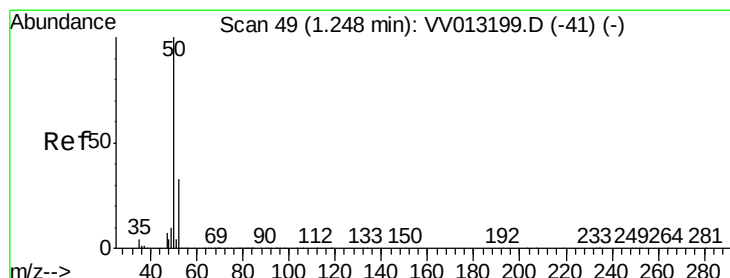
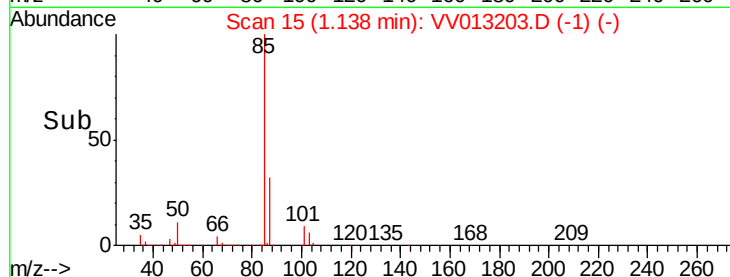
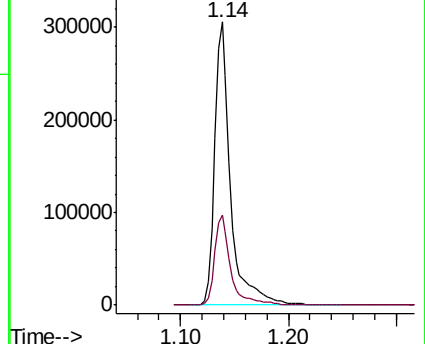
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.356 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013203.D

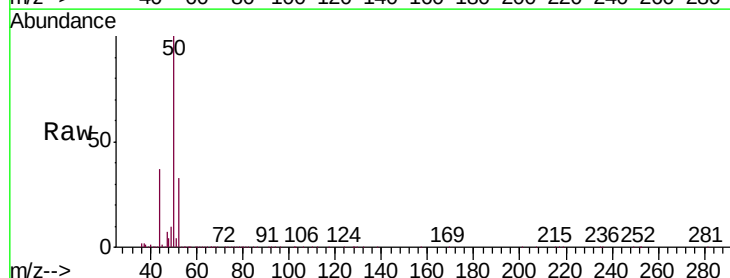
Acq: 18 Oct 2019 14:30

Tgt Ion: 50 Resp: 285858

Ion Ratio Lower Upper

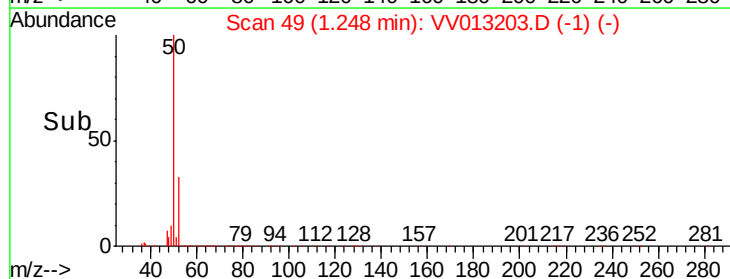
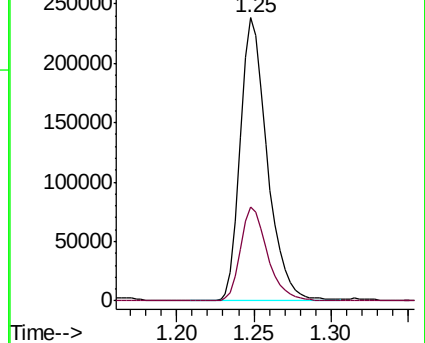
50 100

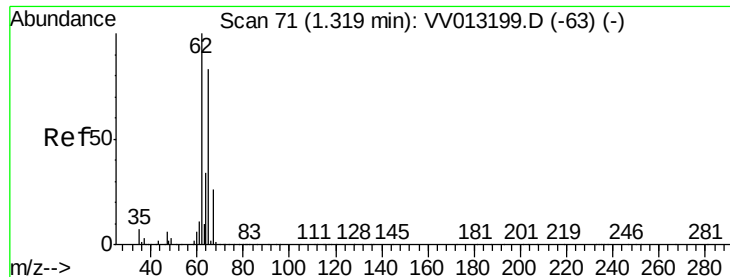
52 33.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.479 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

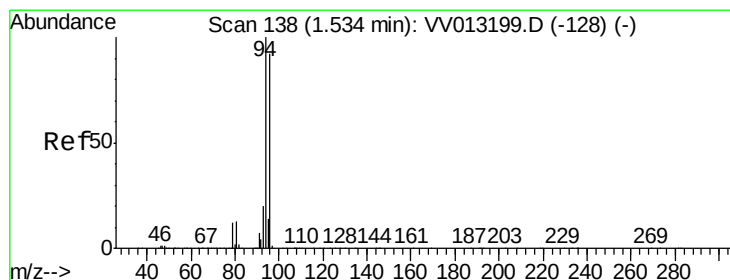
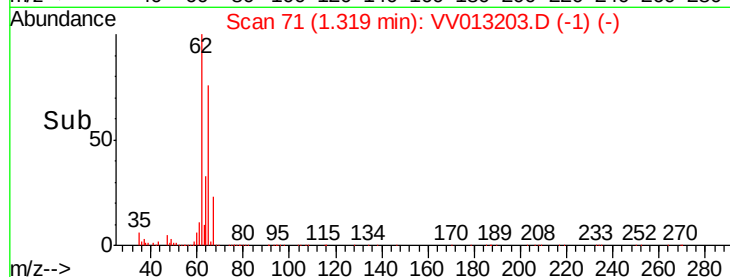
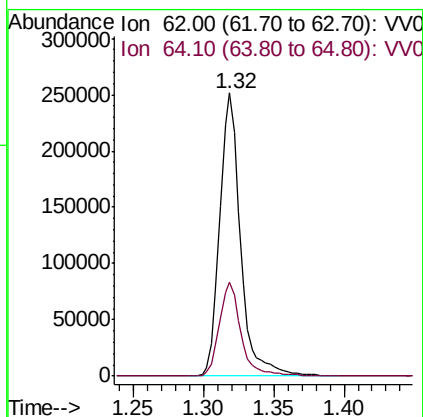
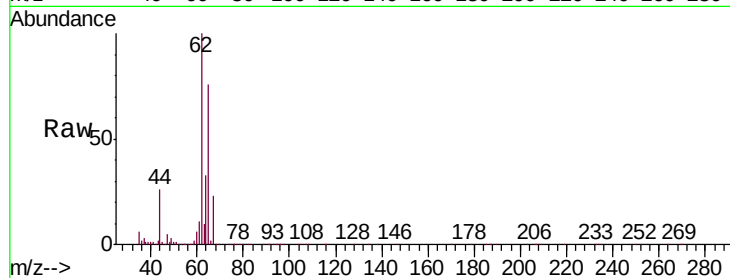
VSTD00546

Tgt Ion: 62 Resp: 257813

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



#6

Bromomethane

Concen: 4.435 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013203.D

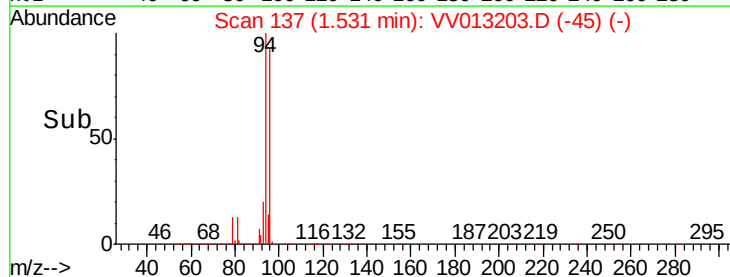
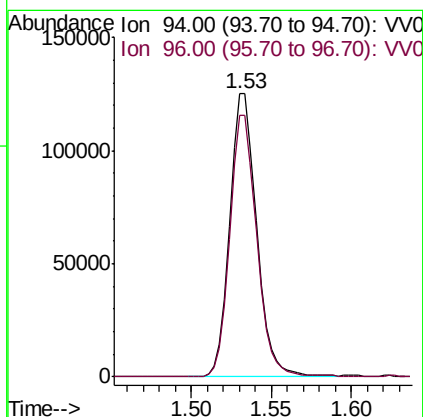
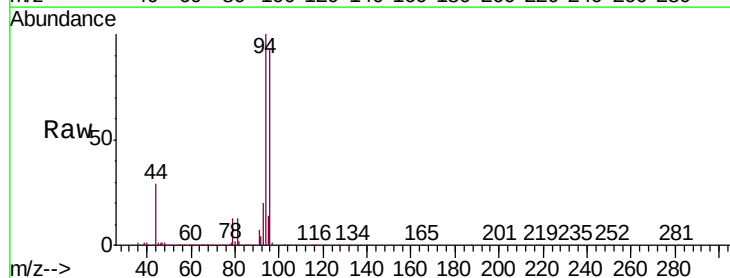
Acq: 18 Oct 2019 14:30

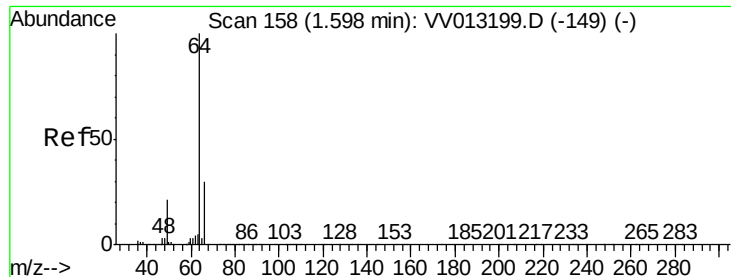
Tgt Ion: 94 Resp: 142234

Ion Ratio Lower Upper

94 100

96 92.6 64.6 120.0

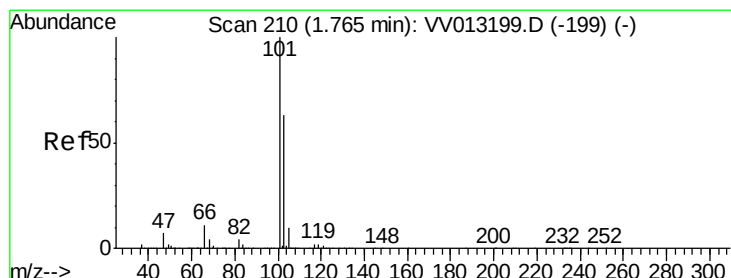
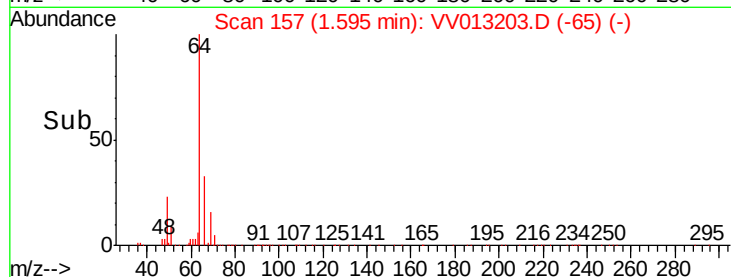
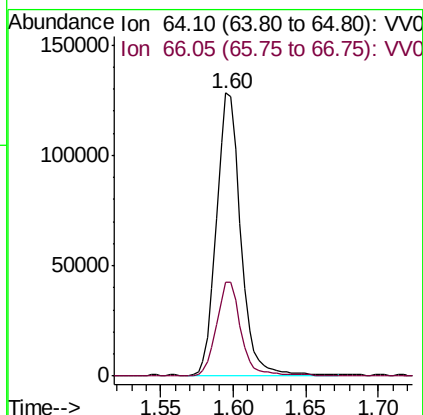
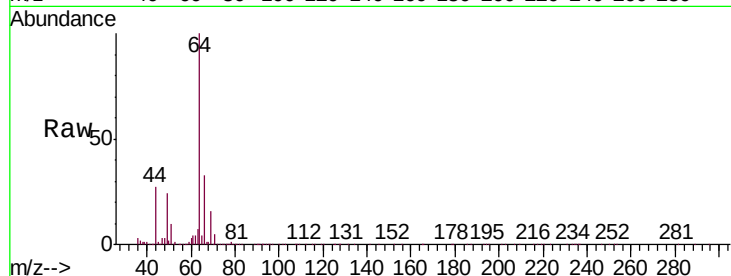




#8
Chloroethane
Concen: 4.485 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

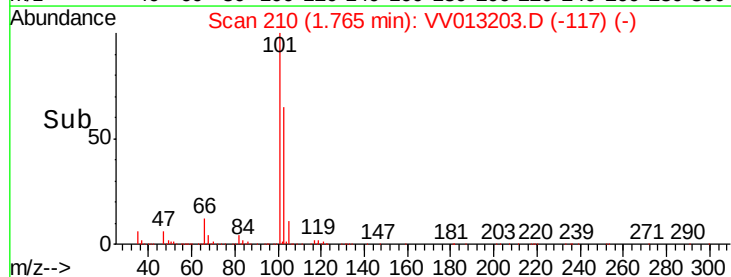
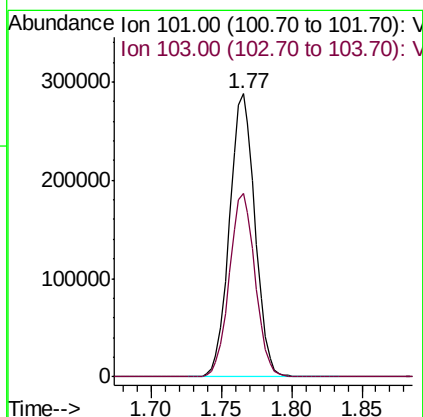
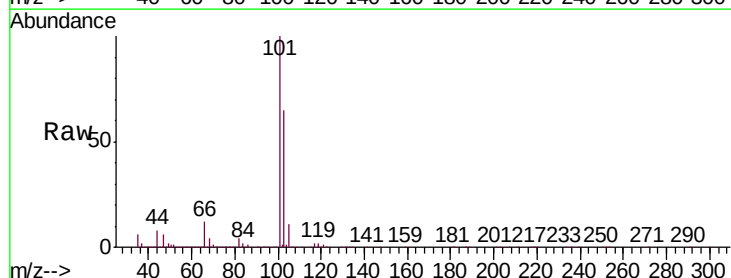
Instrument :
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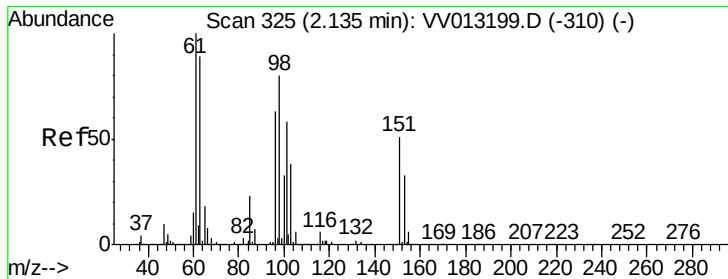
Tgt Ion: 64 Resp: 147910
Ion Ratio Lower Upper
64 100
66 33.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.467 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Tgt Ion: 101 Resp: 364197
Ion Ratio Lower Upper
101 100
103 65.8 51.5 77.3





#10

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

Concen: 4.558 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

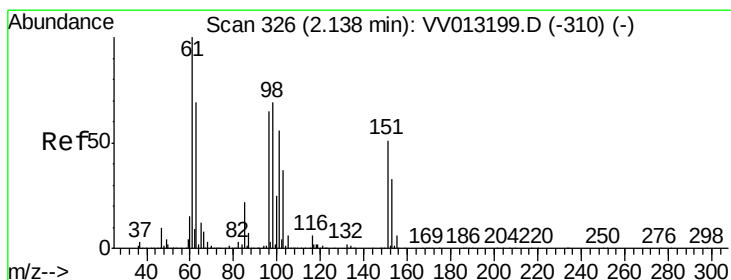
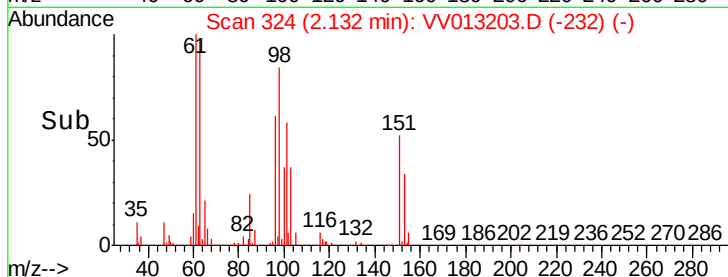
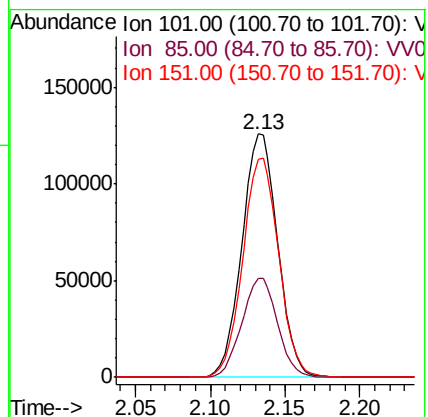
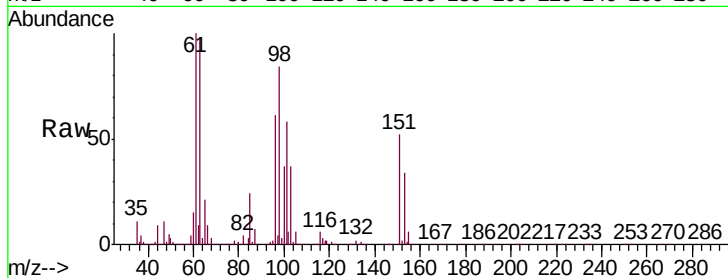
Tgt Ion: 101 Resp: 209835

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

151 90.5 71.9 107.9



#12

1,1-Dichloroethene

Concen: 4.530 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

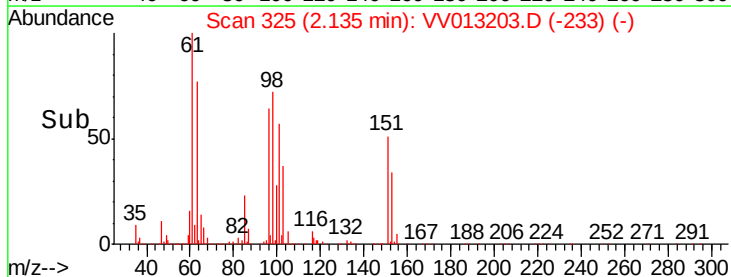
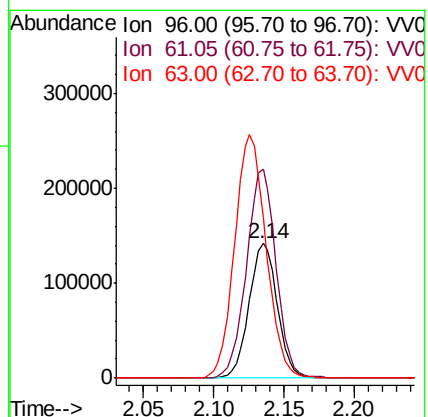
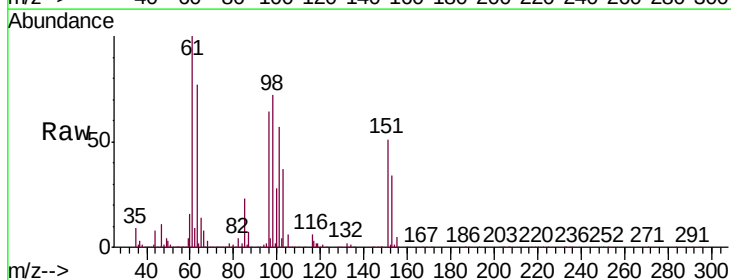
Tgt Ion: 96 Resp: 198787

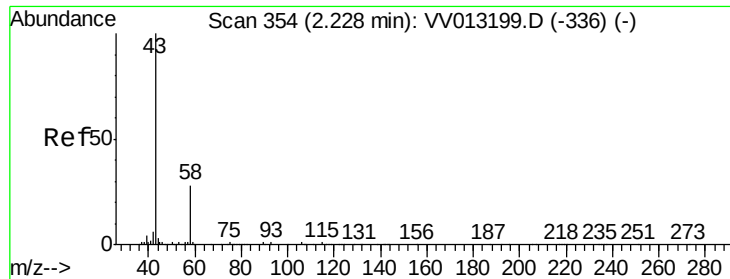
Ion Ratio Lower Upper

96 100

61 155.3 109.8 204.0

63 119.4 72.6 134.8





#13

Acetone

Concen: 34.777 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

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Acq: 18 Oct 2019 14:30

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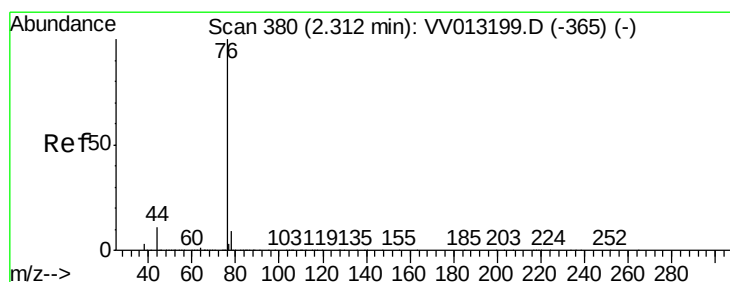
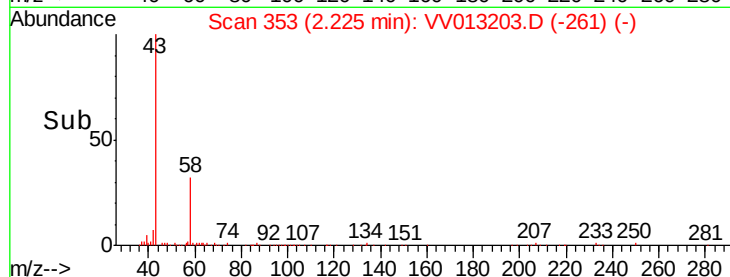
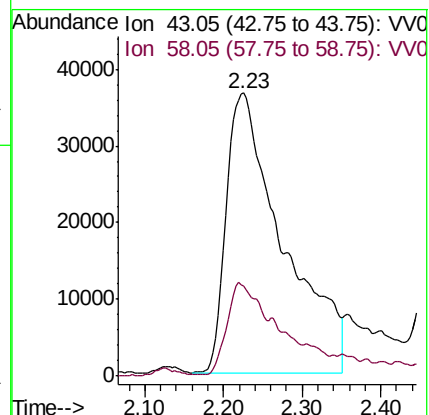
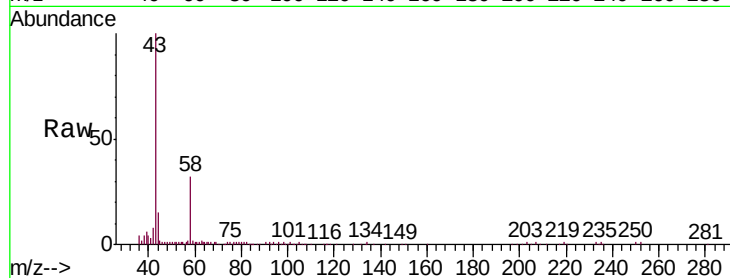
VSTD00546

Tgt Ion: 43 Resp: 182834

Ion Ratio Lower Upper

43 100

58 19.3 0.0 52.4



#14

Carbon disulfide

Concen: 4.569 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013203.D

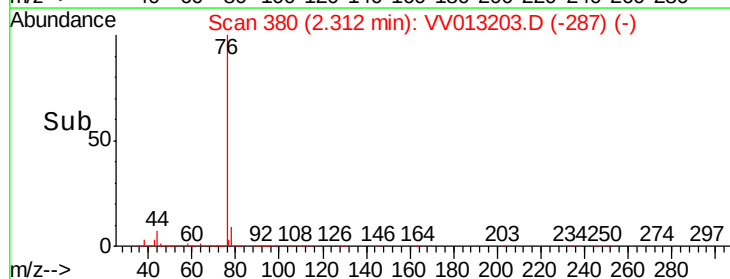
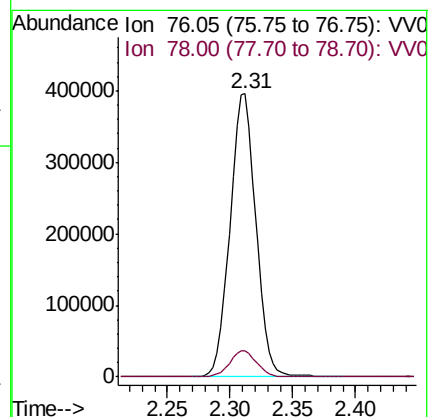
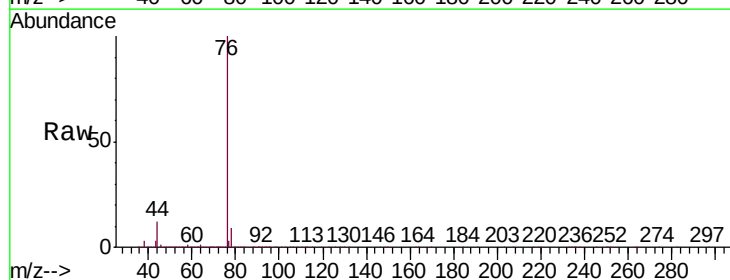
Acq: 18 Oct 2019 14:30

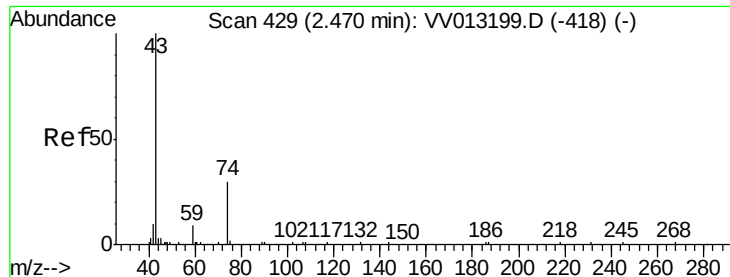
Tgt Ion: 76 Resp: 570500

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

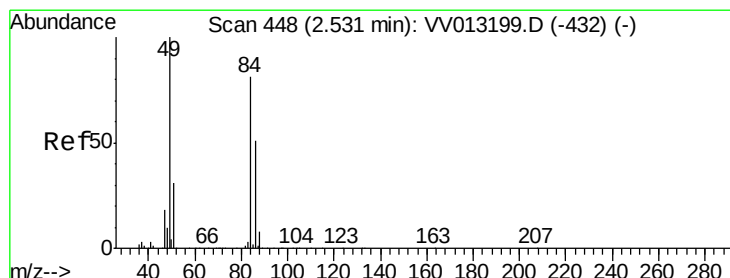
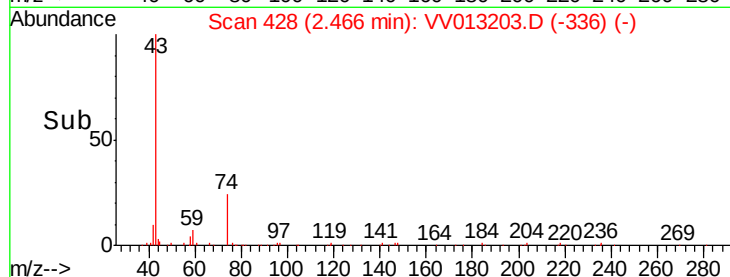
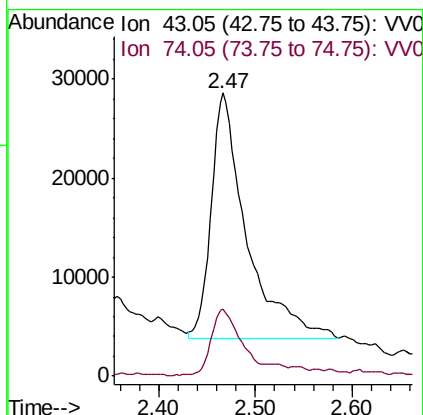
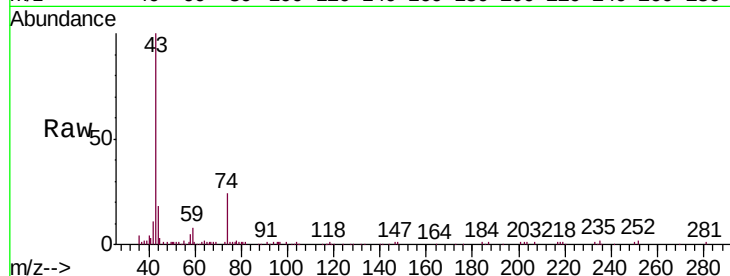




#15
Methyl Acetate
Concen: 4.848 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

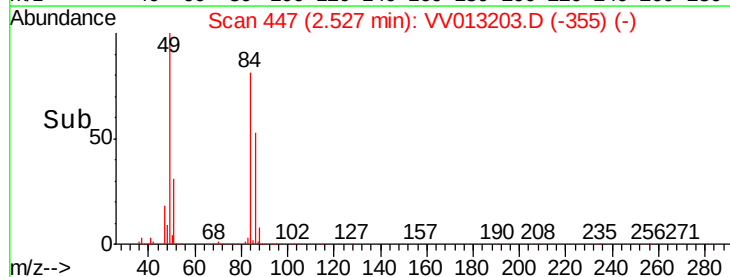
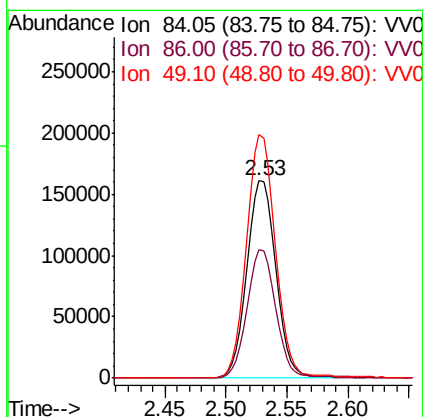
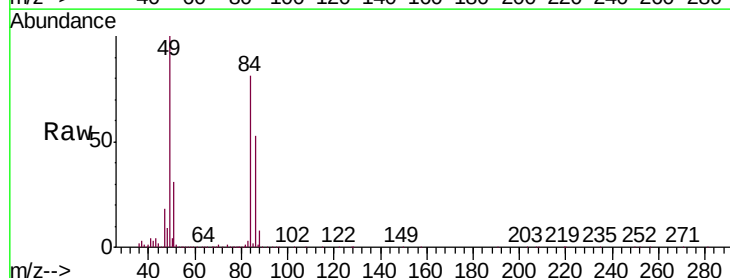
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

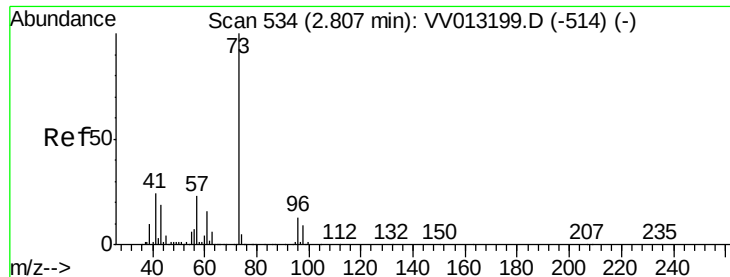
Tgt Ion: 43 Resp: 62794
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1



#16
Methylene chloride
Concen: 4.801 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Tgt Ion: 84 Resp: 263862
Ion Ratio Lower Upper
84 100
86 64.9 44.5 82.7
49 123.3 87.3 162.1

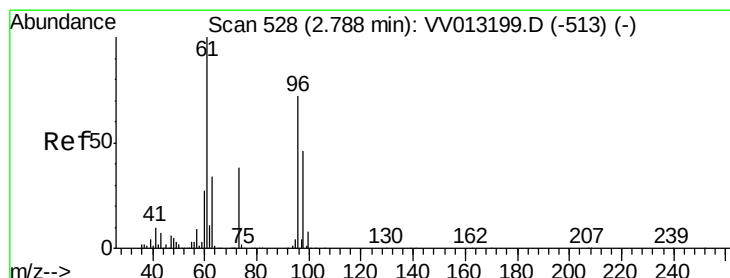
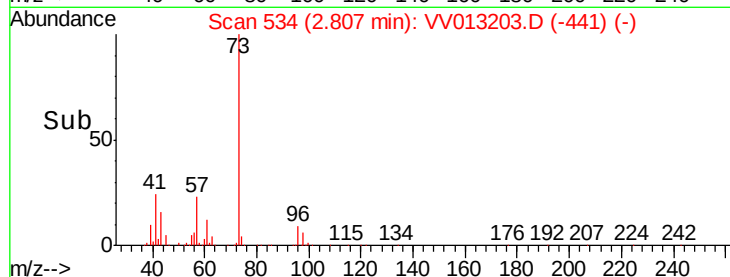
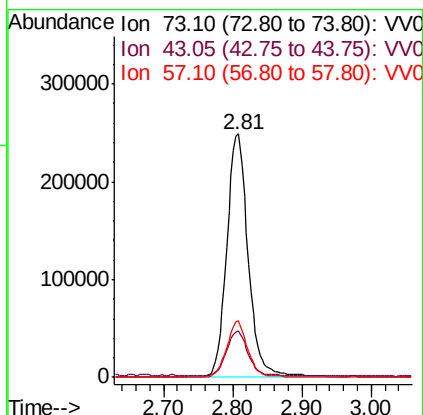
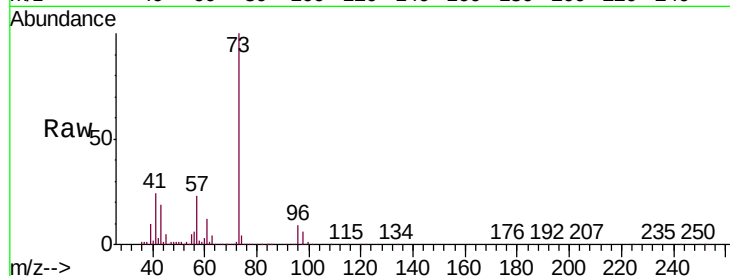




#17
Methyl tert-butyl Ether
Concen: 4.600 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

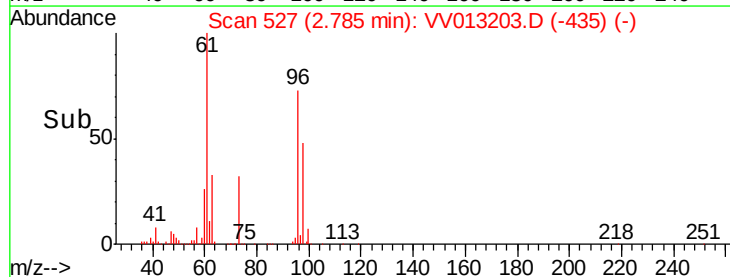
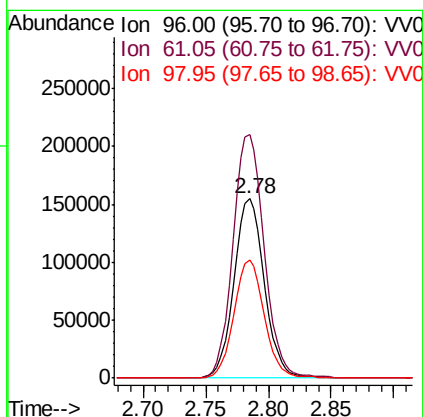
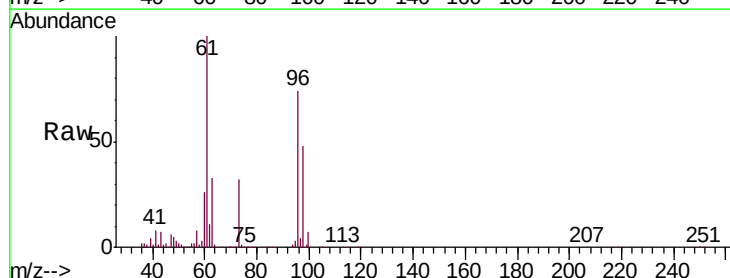
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

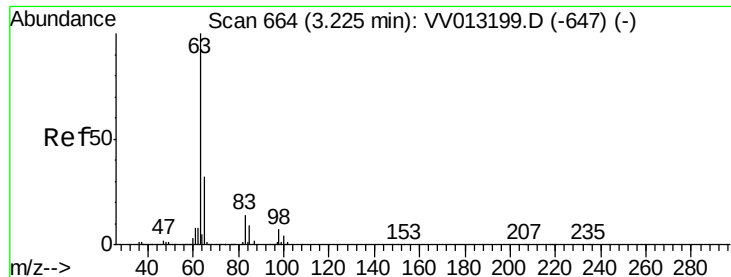
Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.6	22.0
57	22.3	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 4.562 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	98.1	182.1
98	65.9	44.9	83.5

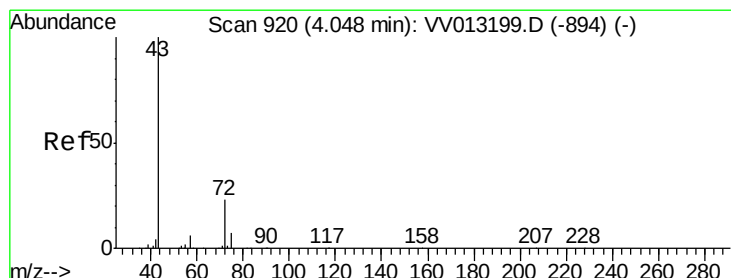
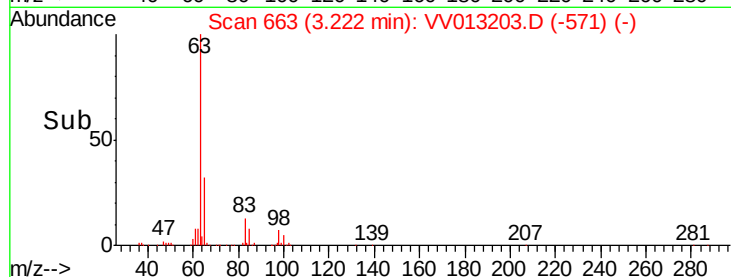
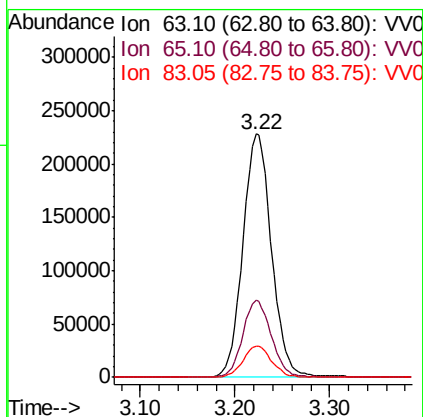
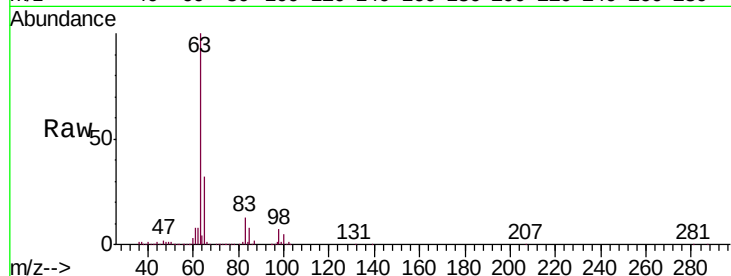




#19
 1,1-Dichloroethane
 Concen: 4.596 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

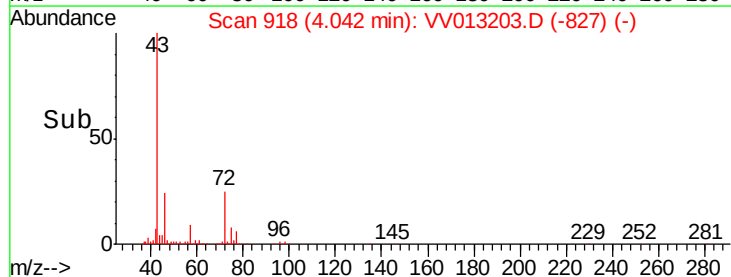
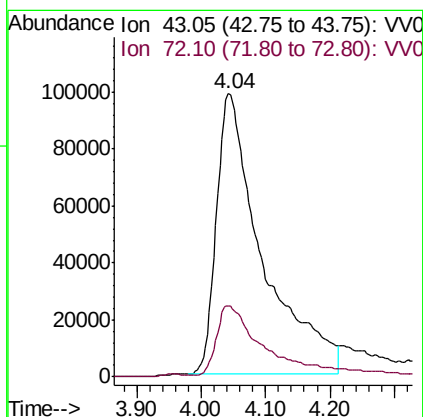
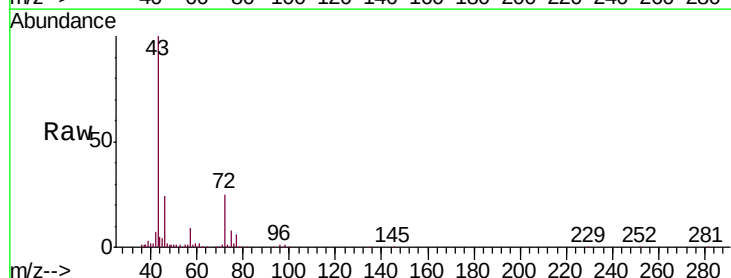
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

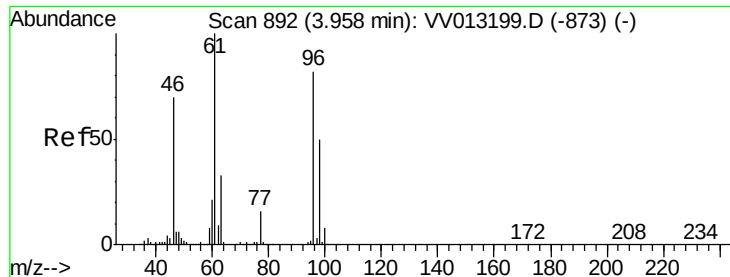
Tgt Ion: 63 Resp: 478718
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 12.9 9.5 17.7



#21
 2-Butanone
 Concen: 38.814 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion: 43 Resp: 489227
 Ion Ratio Lower Upper
 43 100
 72 23.2 13.1 39.1



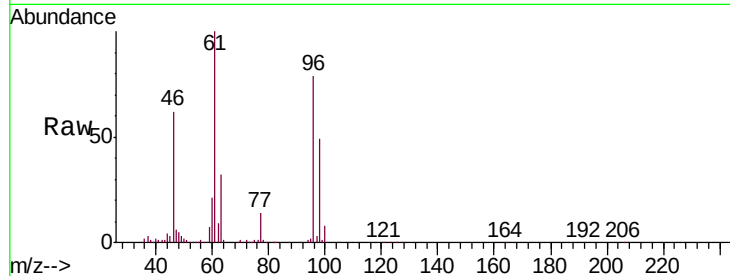


#22

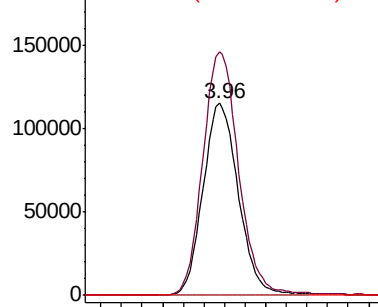
cis-1,2-Dichloroethene
 Concen: 4.661 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

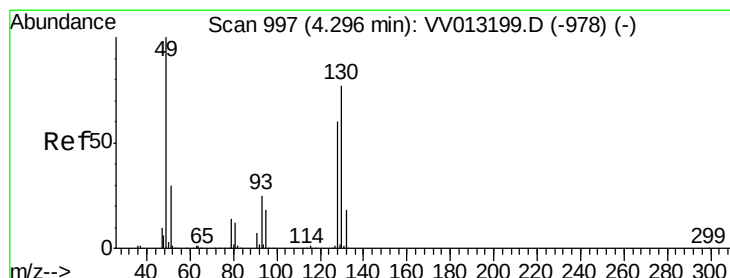
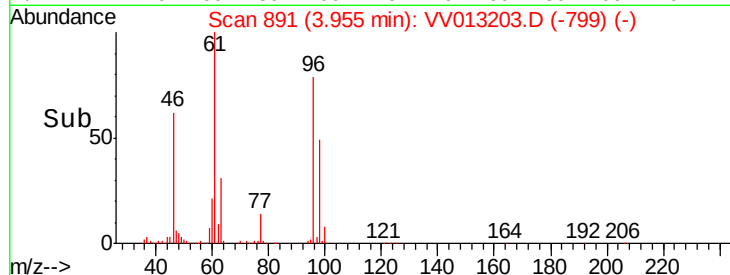
Tgt Ion: 96 Resp: 275648
 Ion Ratio Lower Upper
 96 100
 61 126.9 90.6 168.2
 68 0.0 0.1 0.1#



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



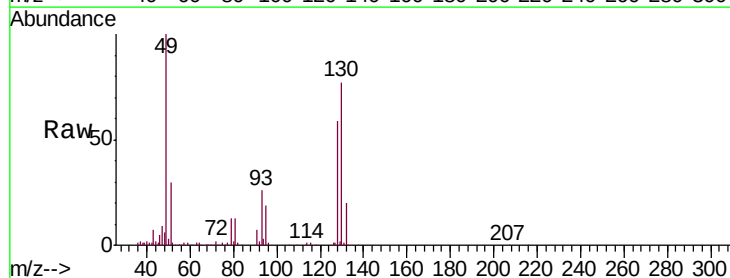
Time-->



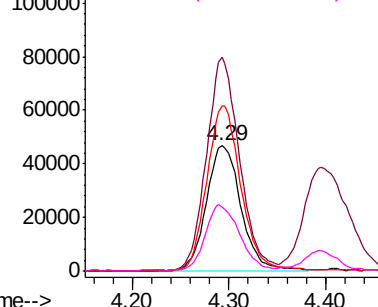
#23

Bromochloromethane
 Concen: 4.416 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

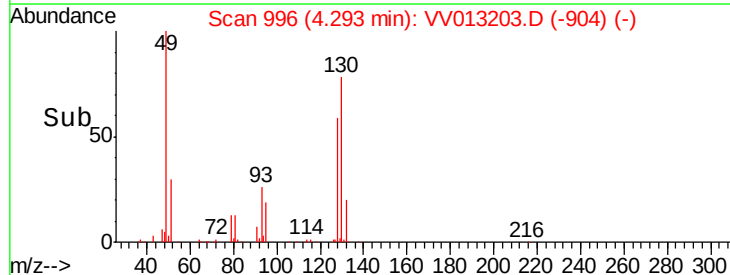
Tgt Ion: 128 Resp: 116783
 Ion Ratio Lower Upper
 128 100
 49 170.4 118.4 219.8
 130 131.7 89.5 166.3
 51 51.6 42.0 63.0

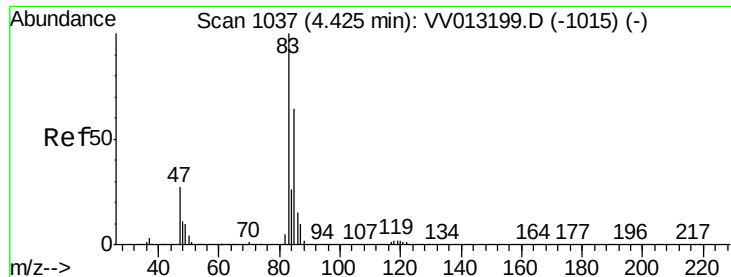


Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0



Time-->

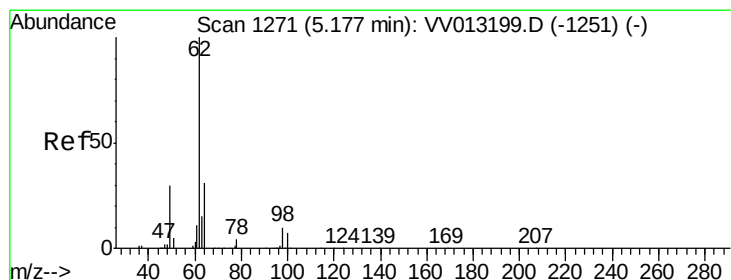
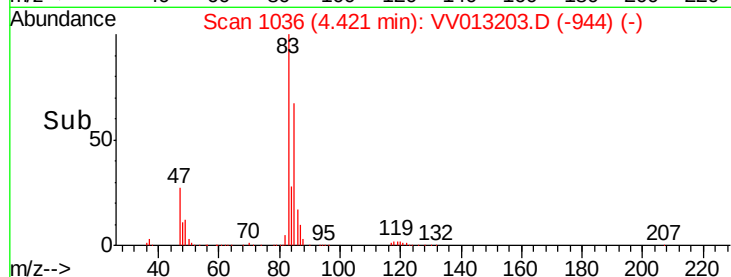
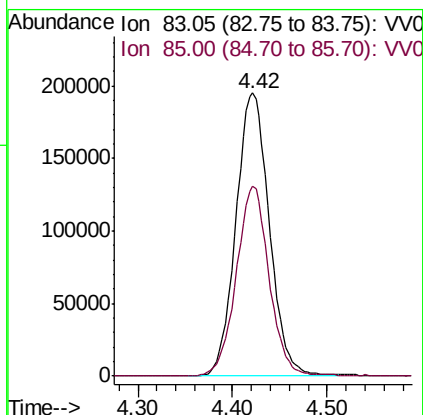
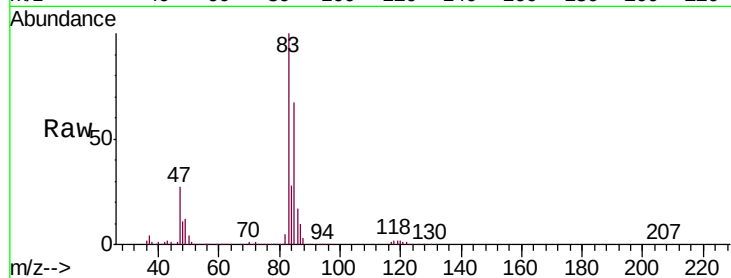




#25
Chloroform
Concen: 4.348 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

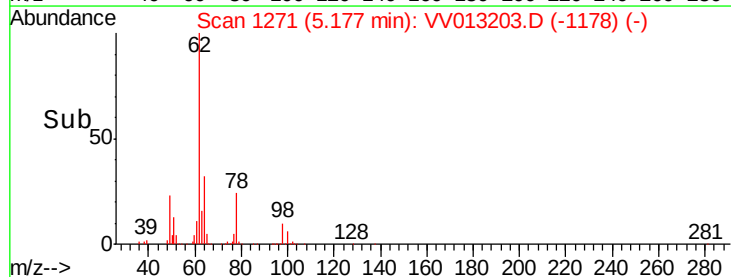
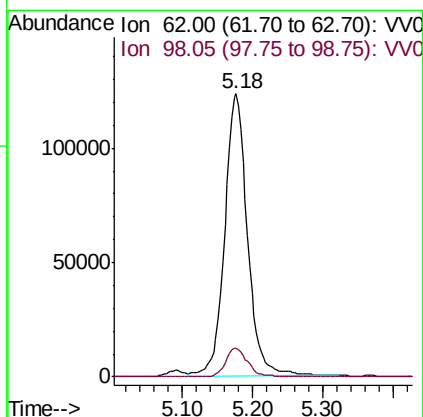
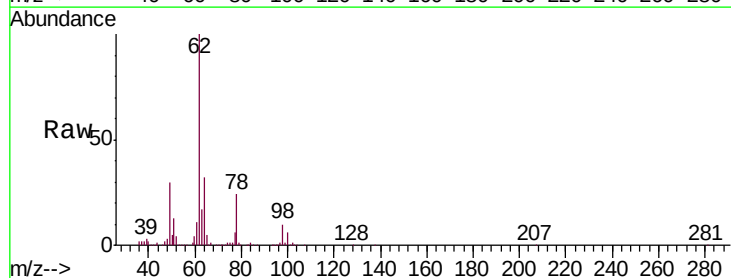
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

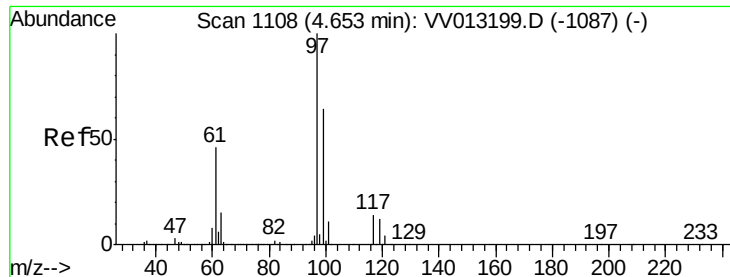
Tgt Ion: 83 Resp: 478689
Ion Ratio Lower Upper
83 100
85 67.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.653 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Tgt Ion: 62 Resp: 279468
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2

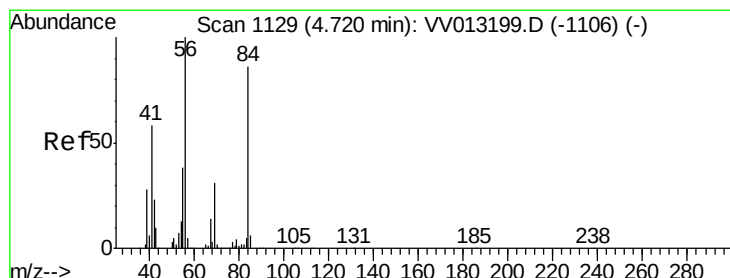
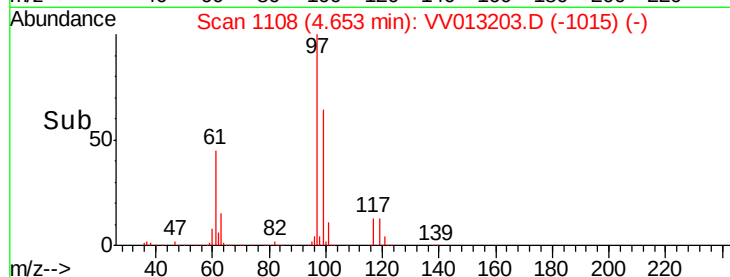
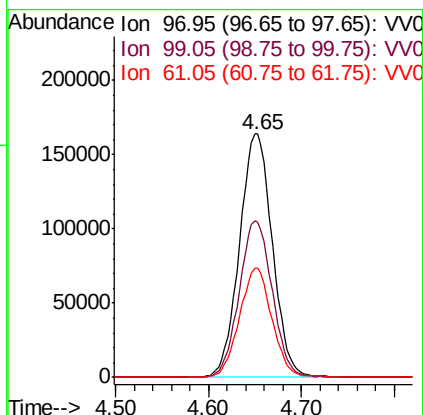
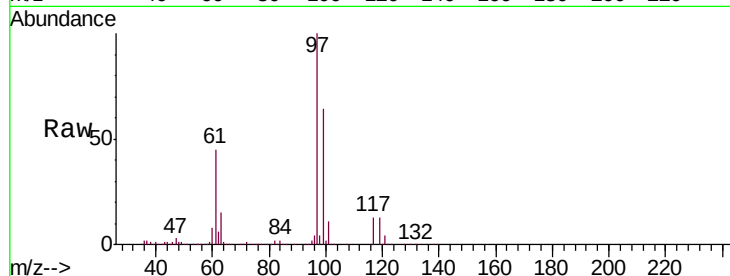




#29
 1,1,1-Trichloroethane
 Concen: 4.658 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

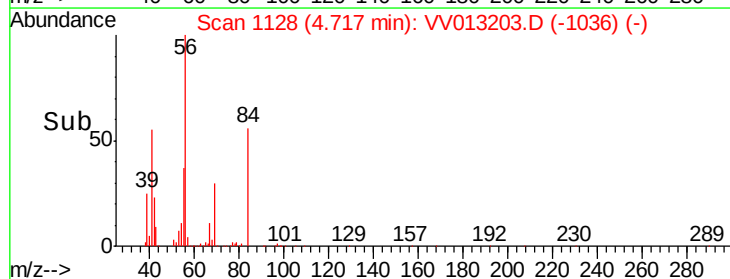
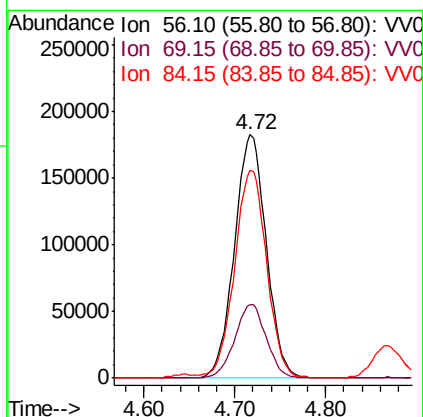
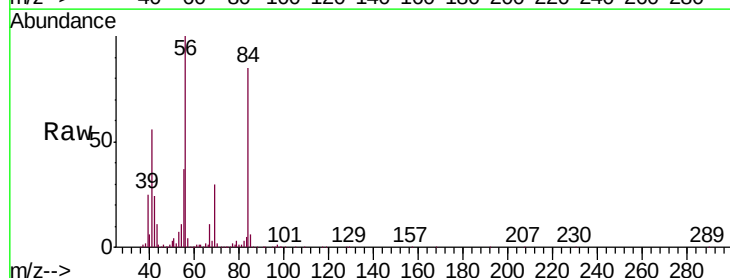
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

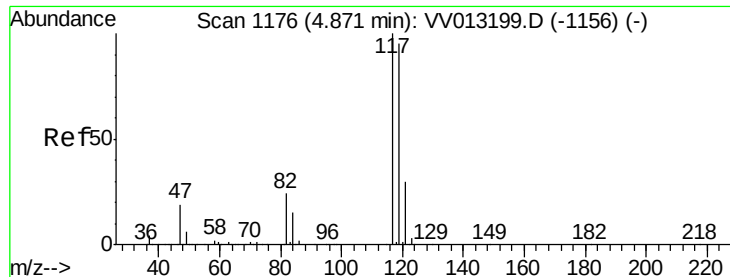
Tgt Ion: 97 Resp: 403746
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 44.2 37.0 55.4



#30
 Cyclohexane
 Concen: 4.947 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion: 56 Resp: 442794
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.0 34.4
 84 86.2 69.0 103.4





#31

Carbon tetrachloride

Concen: 4.712 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

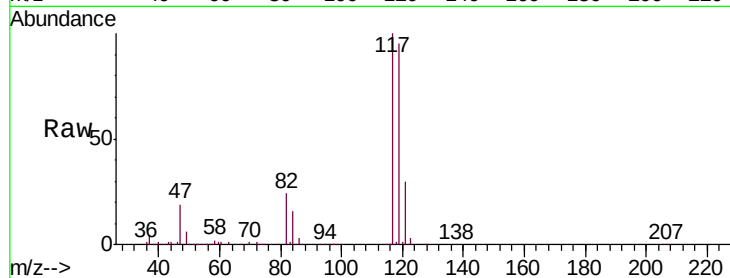
VSTD00546

Tgt Ion:117 Resp: 361730

Ion Ratio Lower Upper

117 100

119 95.5 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

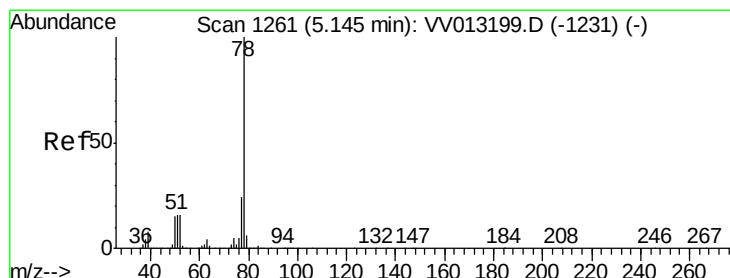
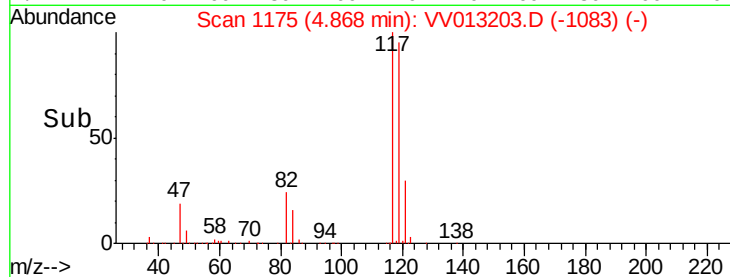
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.785 ug/L

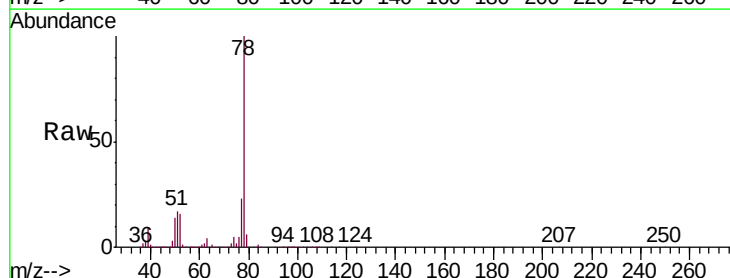
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Tgt Ion: 78 Resp: 1081472



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

500000

400000

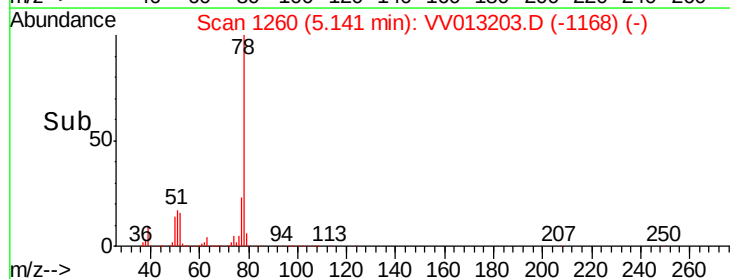
300000

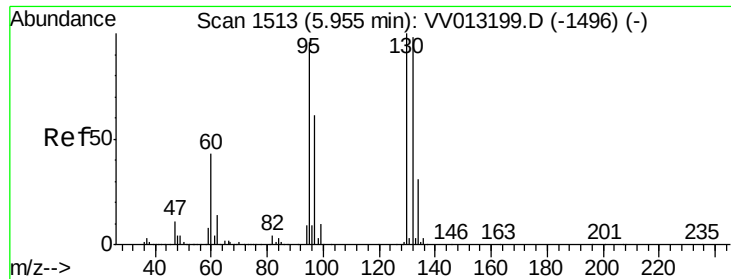
200000

100000

0

Time-->

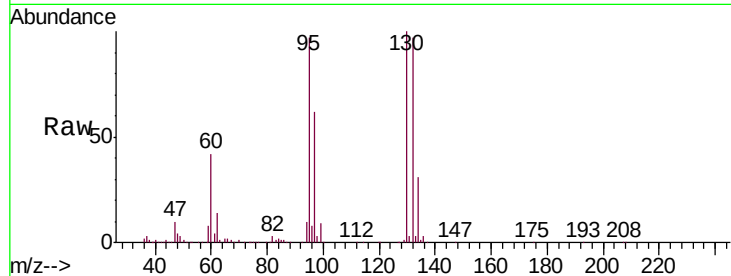




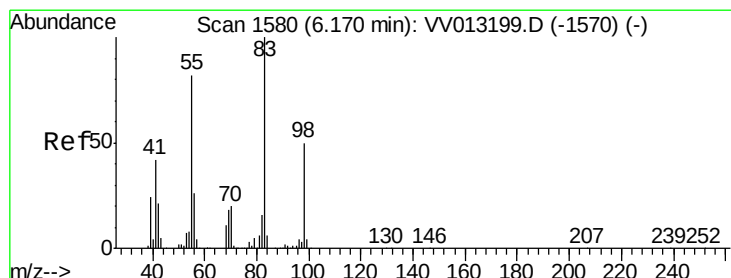
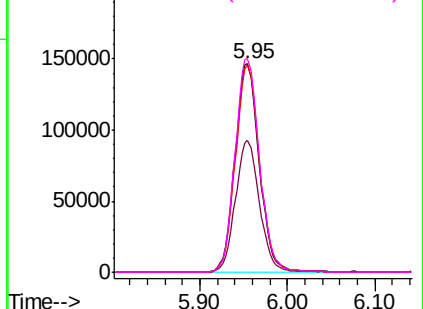
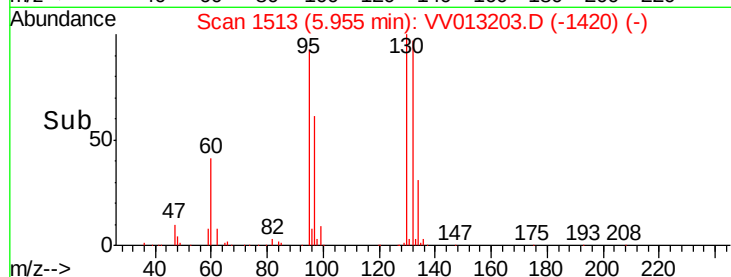
#34
 Trichloroethene
 Concen: 4.811 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	95	Resp:	282042
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.7	82.9
132	99.3	68.9	127.9
130	102.6	72.7	134.9

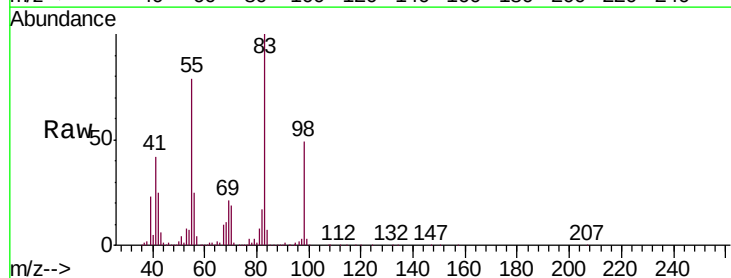


Abundance Ion 95.00 (94.70 to 95.70): VV013199.D (-1496) (-)
 Ion 96.95 (96.65 to 97.65): VV013199.D (-1496) (-)
 Ion 131.95 (131.65 to 132.65): VV013199.D (-1496) (-)
 Ion 129.95 (129.65 to 130.65): VV013199.D (-1496) (-)

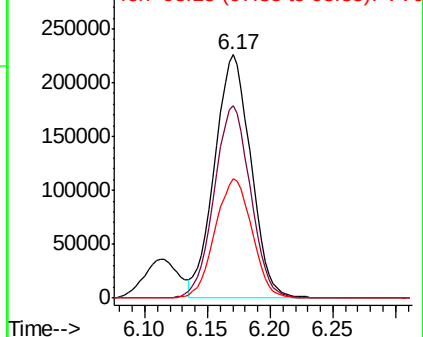
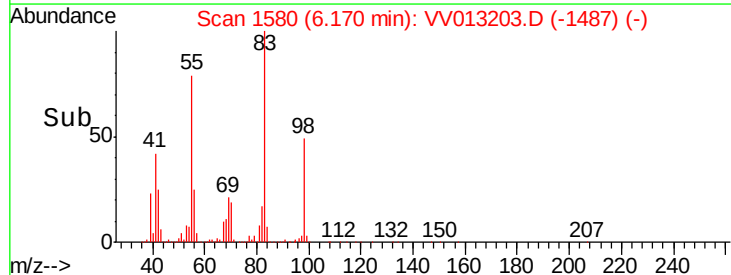


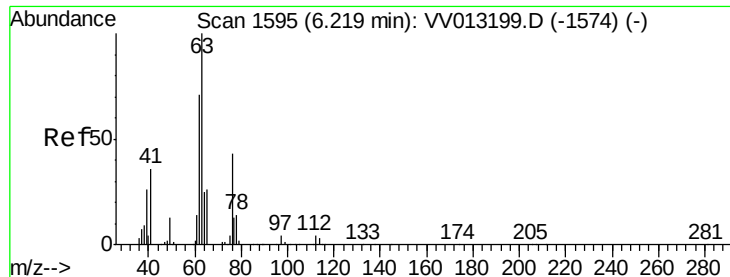
#35
 Methylcyclohexane
 Concen: 5.039 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion:	83	Resp:	453297
Ion	Ratio	Lower	Upper
83	100		
55	79.0	64.0	96.0
98	50.2	38.6	57.8



Abundance Ion 83.15 (82.85 to 83.85): VV013199.D (-1570) (-)
 Ion 55.10 (54.80 to 55.80): VV013199.D (-1570) (-)
 Ion 98.15 (97.85 to 98.85): VV013199.D (-1570) (-)

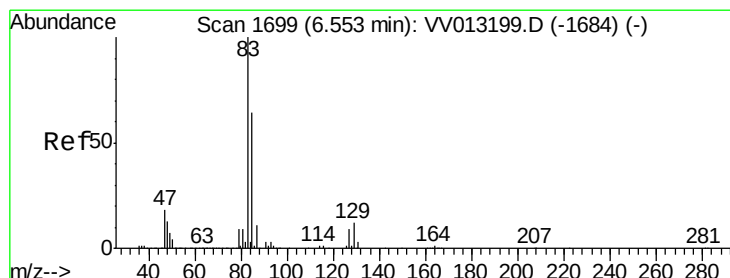
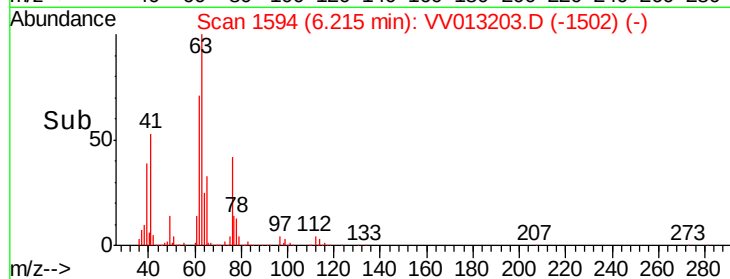
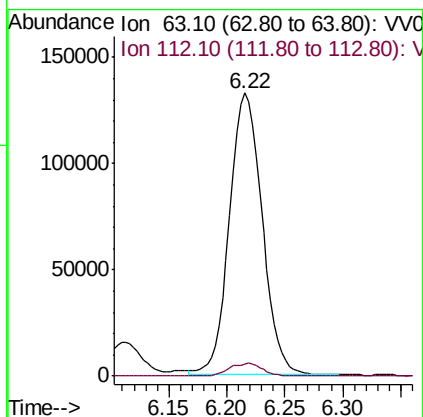
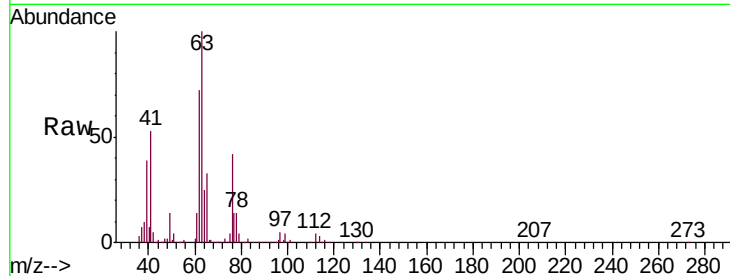




#37
 1,2-Dichloropropane
 Concen: 4.678 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

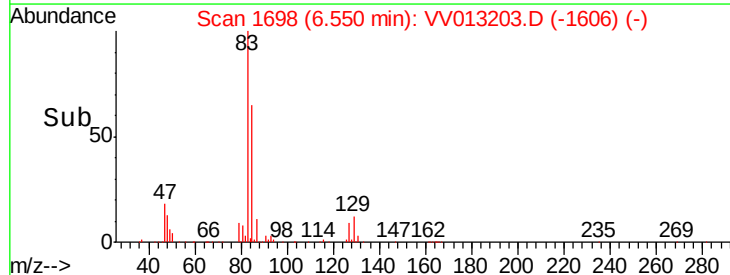
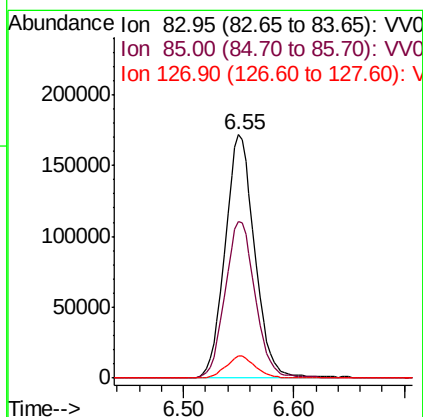
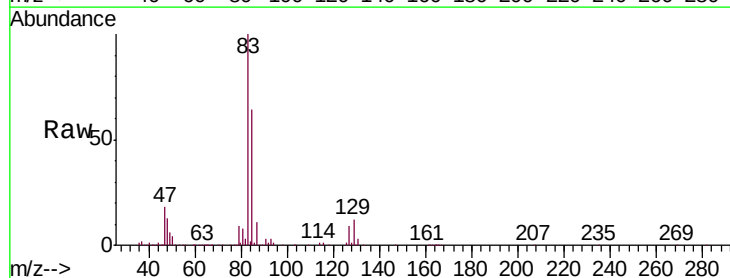
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00546

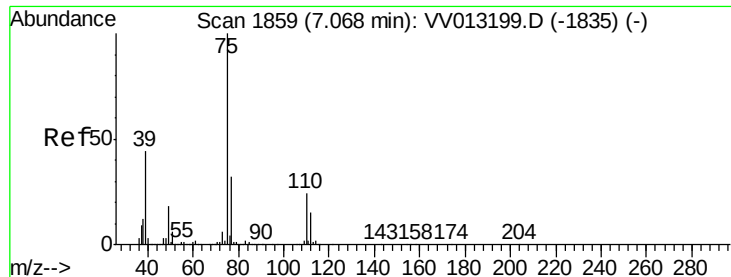
Tgt Ion: 63 Resp: 260802
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.521 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion: 83 Resp: 317999
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.0 81.6
 127 9.0 7.0 10.6

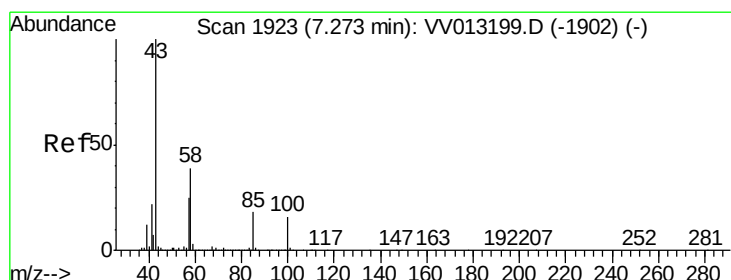
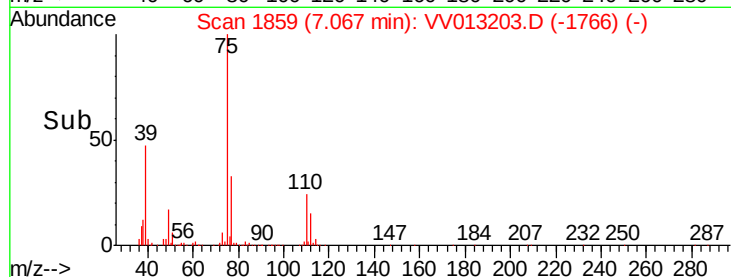
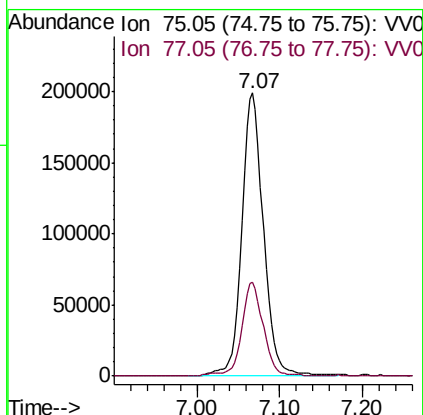
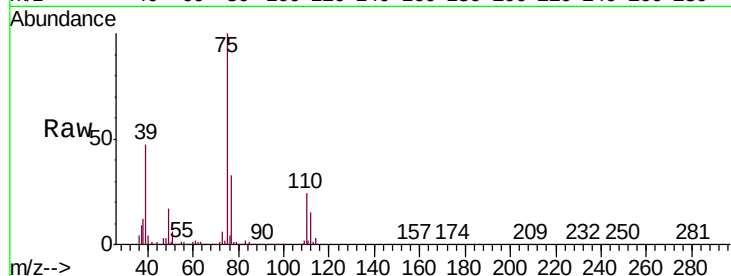




#39
 cis-1,3-Dichloroprene
 Concen: 4.873 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

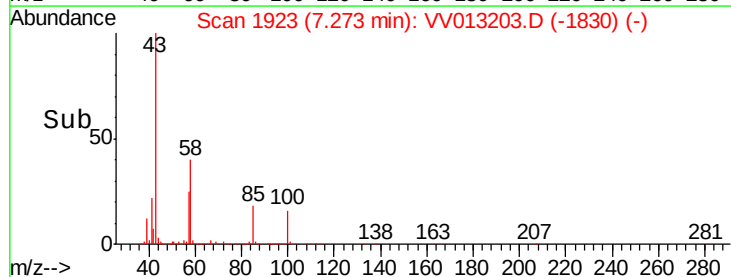
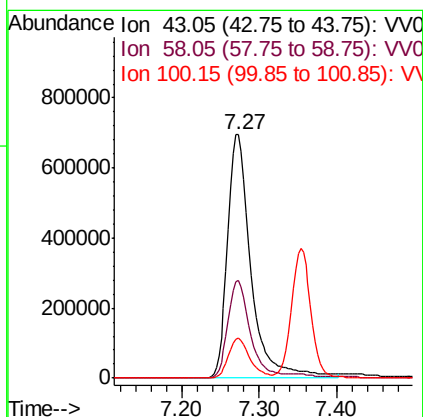
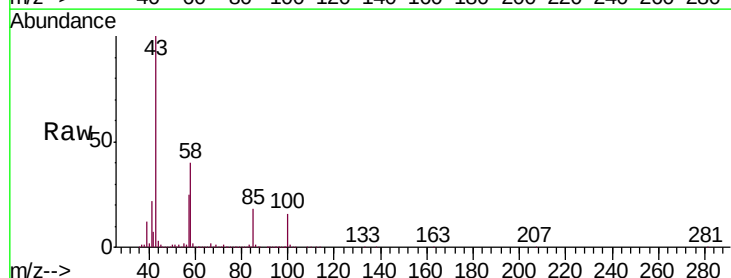
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

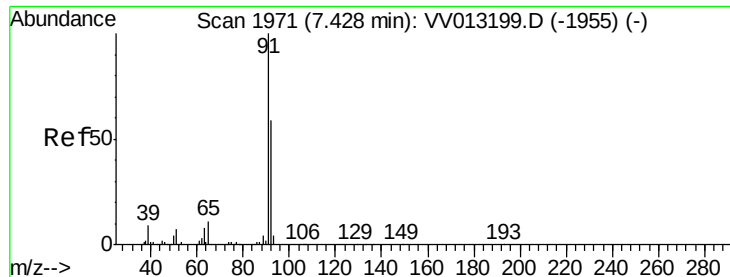
Tgt Ion: 75 Resp: 363193
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 48.656 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion: 43 Resp: 1459068
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.4 48.6
 100 15.0 11.8 17.8





#42

Toluene

Concen: 4.983 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

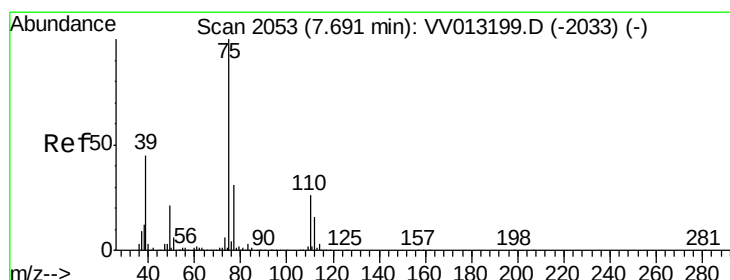
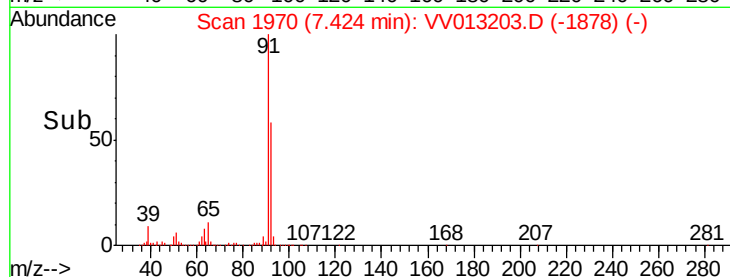
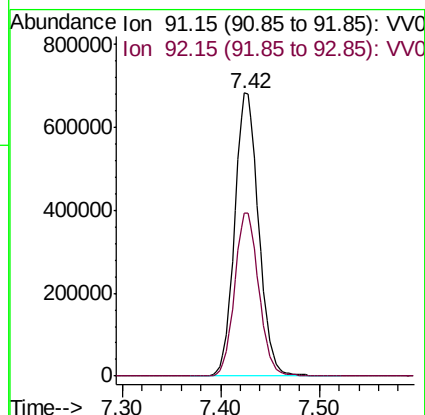
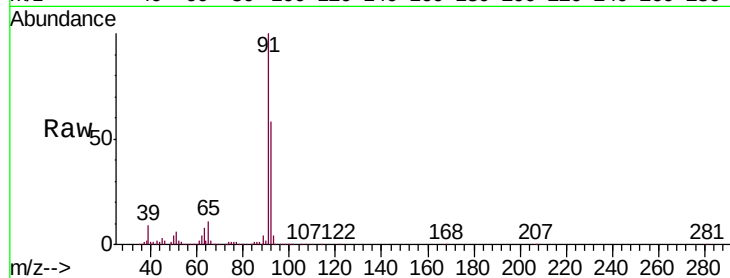
VSTD00546

Tgt Ion: 91 Resp: 1157835

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.818 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013203.D

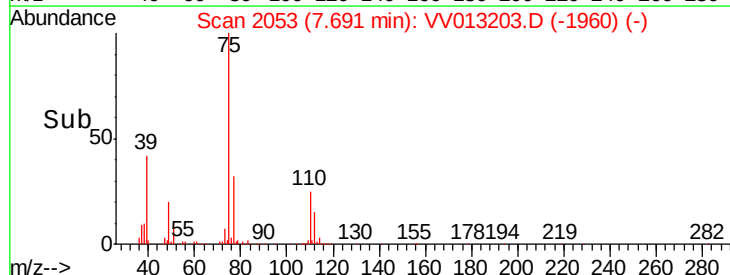
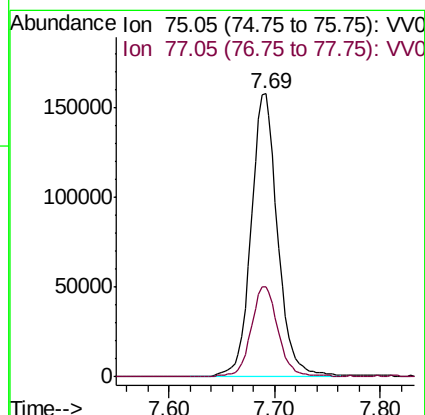
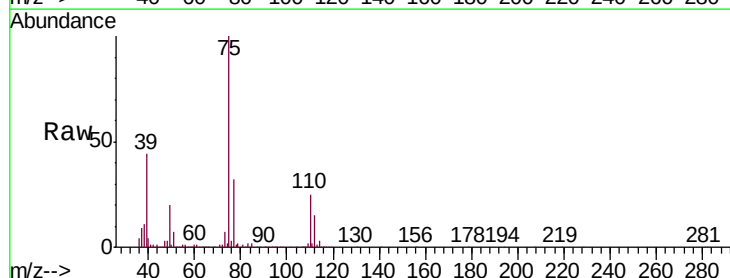
Acq: 18 Oct 2019 14:30

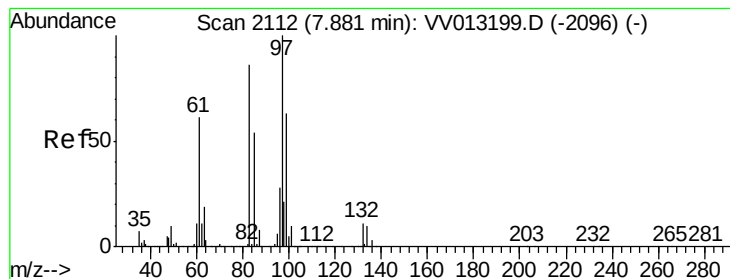
Tgt Ion: 75 Resp: 276258

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.645 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

Tgt Ion: 97 Resp: 177626

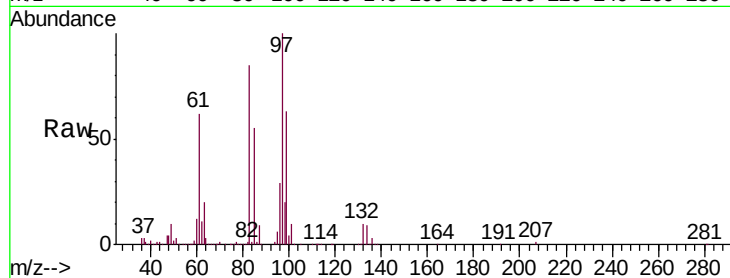
Ion Ratio Lower Upper

97 100

99 62.7 43.8 81.4

83 84.6 59.5 110.5

85 55.4 39.5 73.4

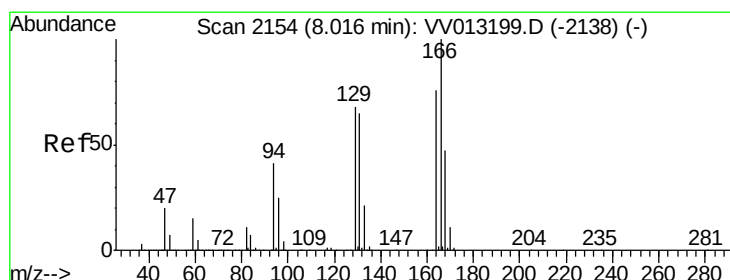
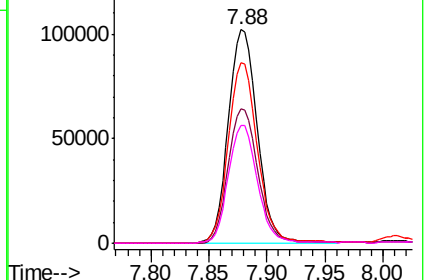
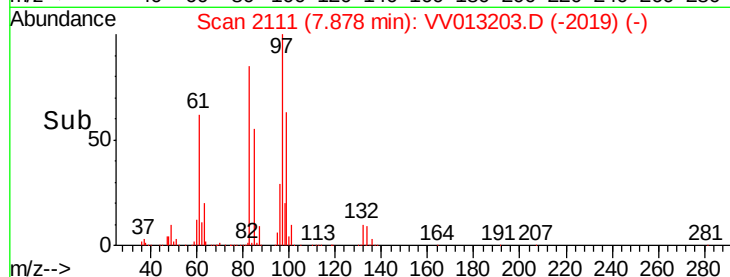


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.775 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Tgt Ion: 164 Resp: 244745

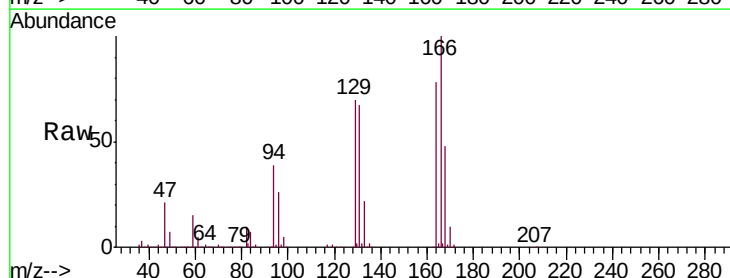
Ion Ratio Lower Upper

164 100

129 89.8 62.2 115.4

131 86.7 59.9 111.3

166 128.8 91.1 169.1

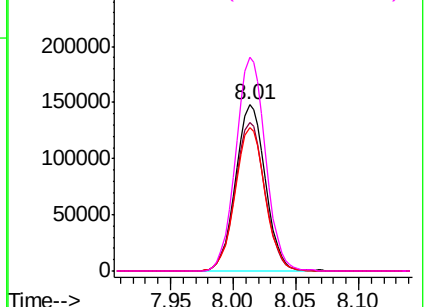
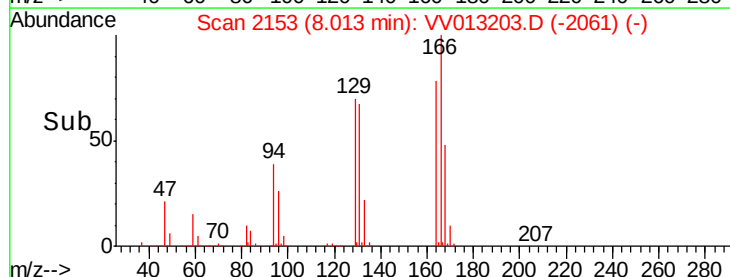


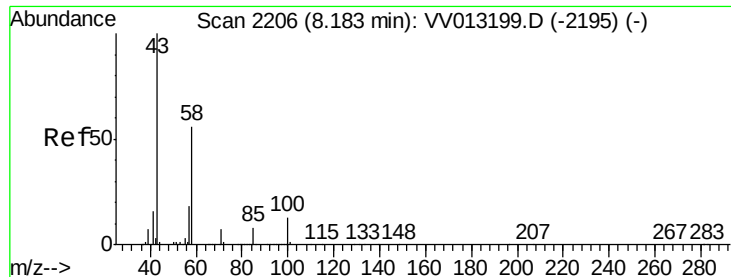
Abundance Ion 163.90 (163.60 to 164.60): V

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



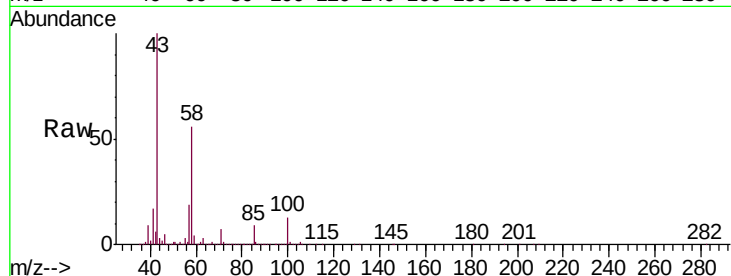


#48
2-Hexanone
Concen: 50.721 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Tgt Ion: 43 Resp: 1104672

Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.2	66.2
57	18.4	14.5	21.7
100	11.7	9.5	14.3

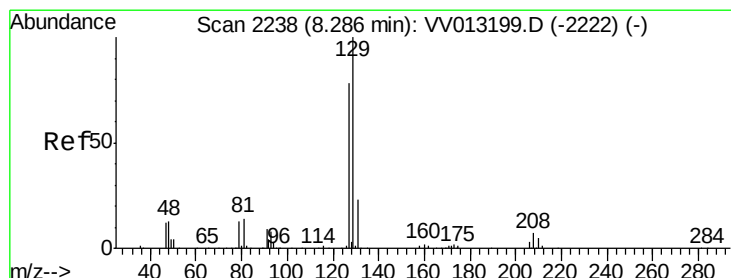
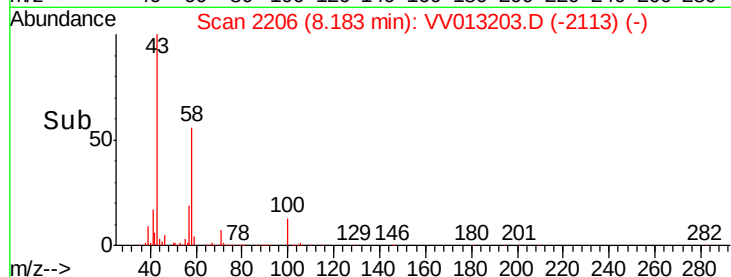
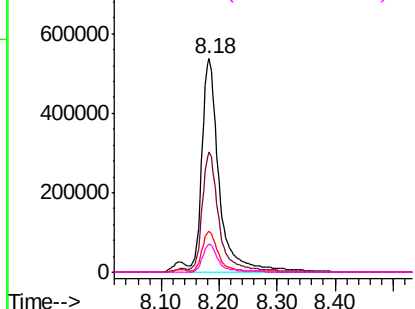


Abundance Ion 43.05 (42.75 to 43.75): VV013199.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013199.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013199.D (-2195) (-)

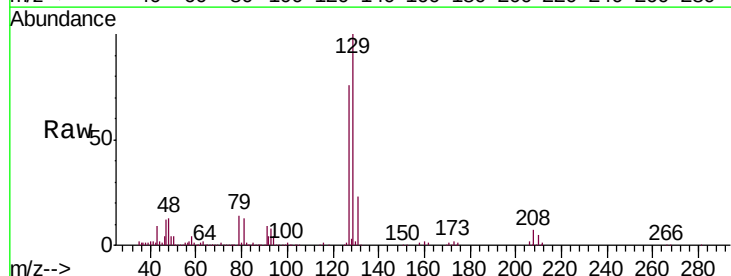
Ion 100.15 (99.85 to 100.85): VV013199.D (-2195) (-)



#49
Dibromochloromethane
Concen: 4.761 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

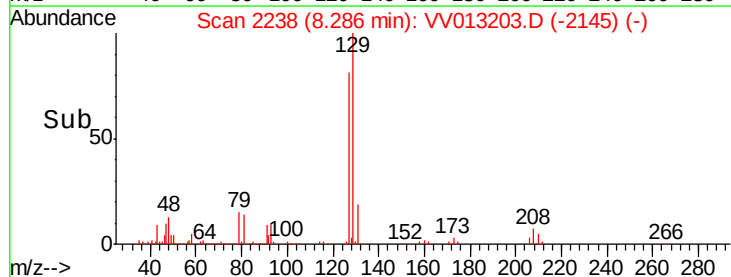
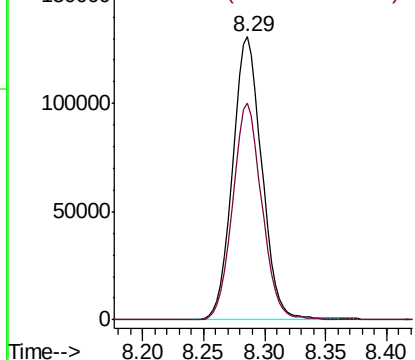
Tgt Ion: 129 Resp: 218026

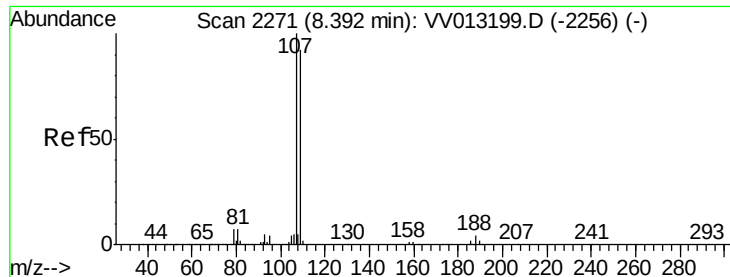
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.2	98.8



Abundance Ion 128.95 (128.65 to 129.65): VV013199.D (-2222) (-)

Ion 126.90 (126.60 to 127.60): VV013199.D (-2222) (-)





#50

1,2-Dibromoethane

Concen: 4.807 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

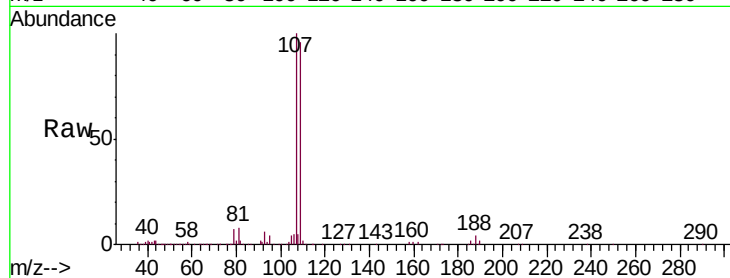
Tgt Ion:107 Resp: 166218

Ion Ratio Lower Upper

107 100

109 96.3 67.3 124.9

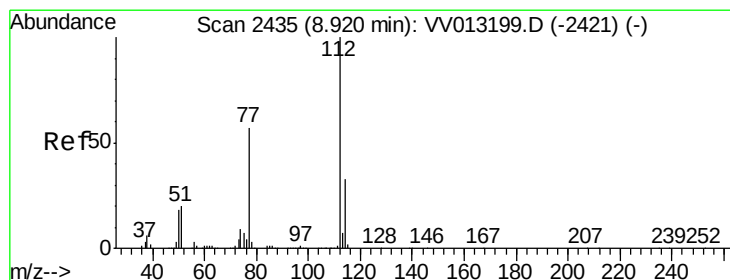
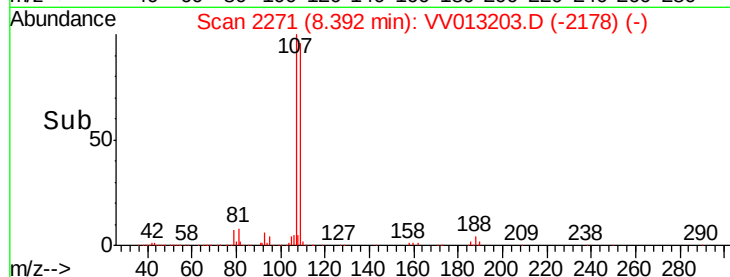
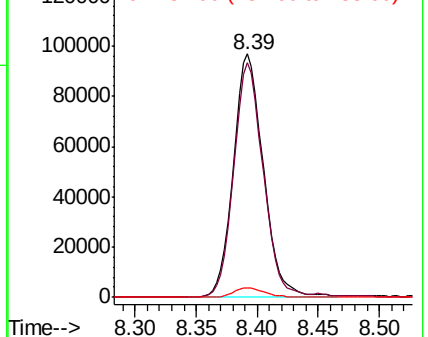
188 4.0 3.3 4.9



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: 4.856 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

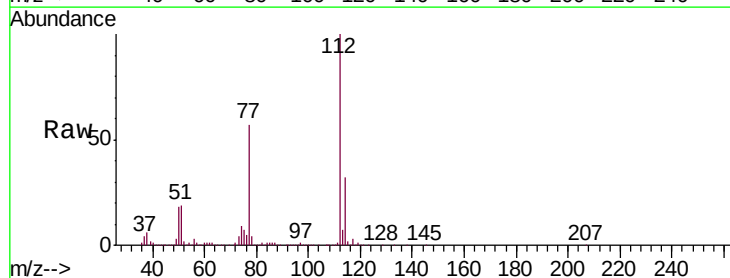
Tgt Ion:112 Resp: 725379

Ion Ratio Lower Upper

112 100

114 31.6 22.6 42.0

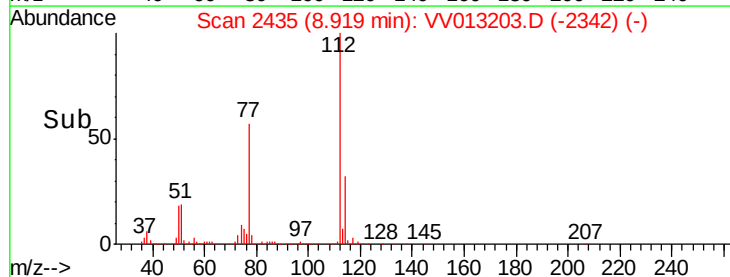
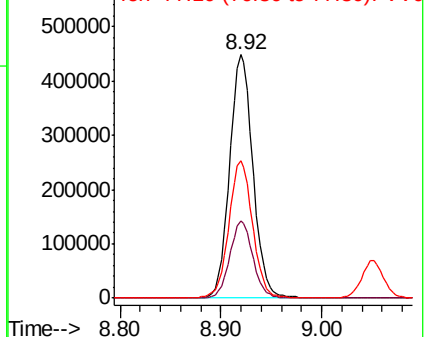
77 56.6 47.5 71.3

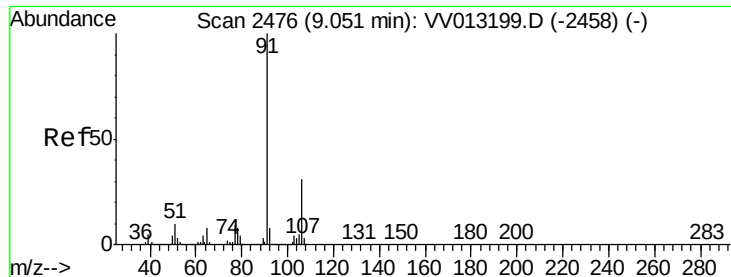


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.016 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

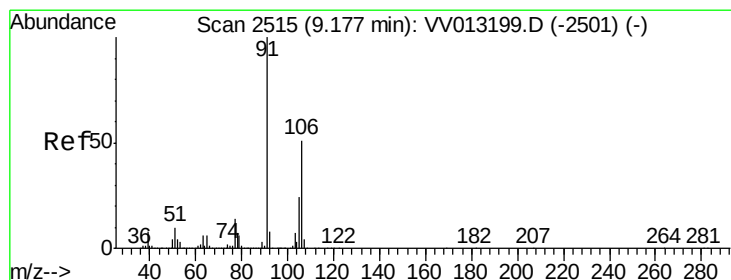
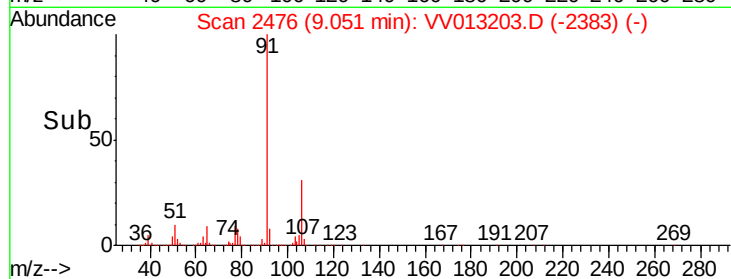
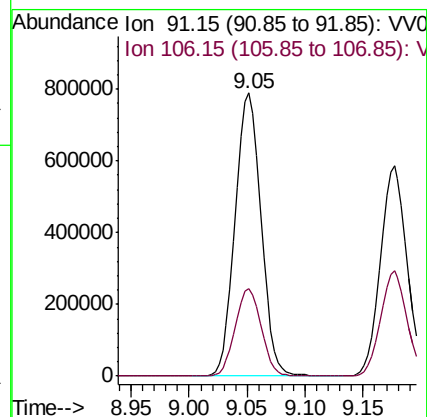
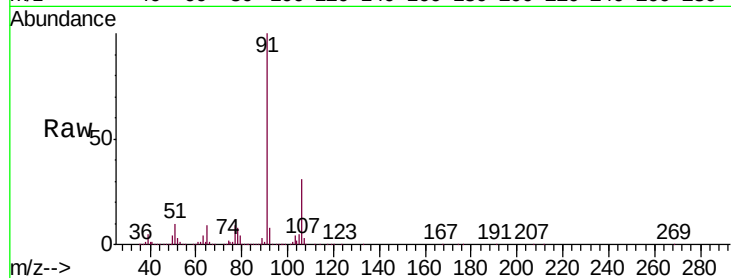
VSTD00546

Tgt Ion: 91 Resp: 1215351

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-xylene

Concen: 5.080 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013203.D

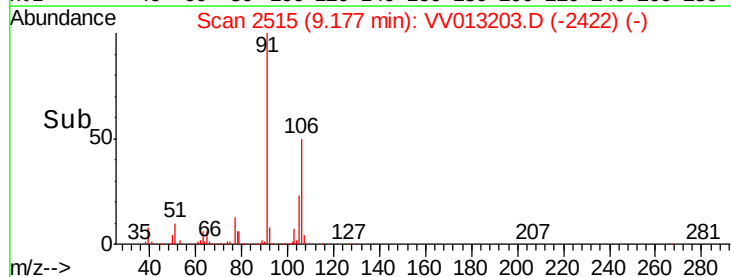
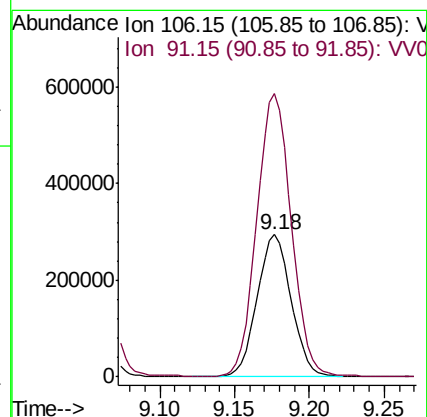
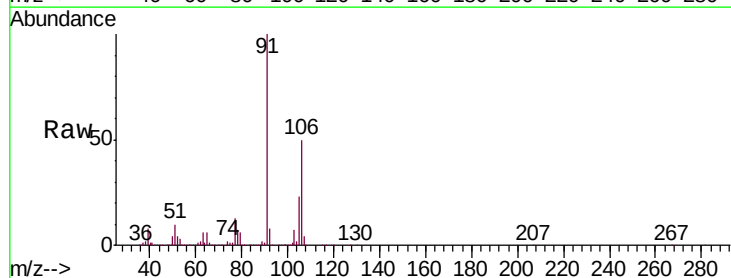
Acq: 18 Oct 2019 14:30

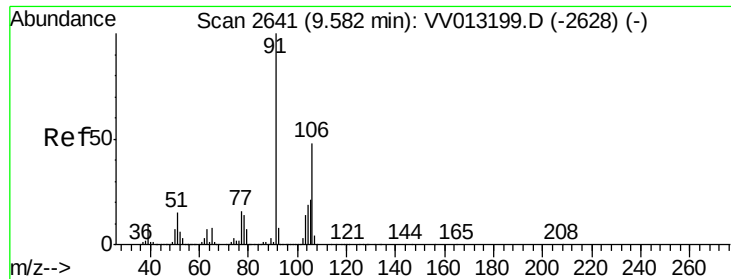
Tgt Ion: 106 Resp: 464066

Ion Ratio Lower Upper

106 100

91 199.3 141.3 262.5

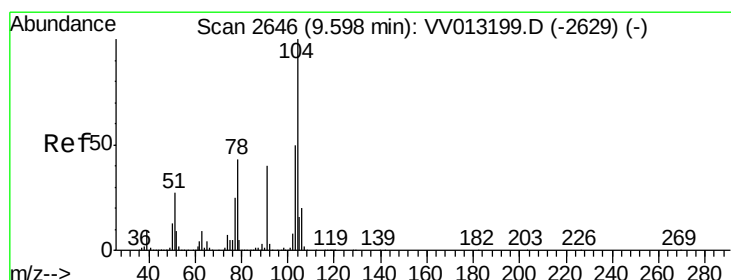
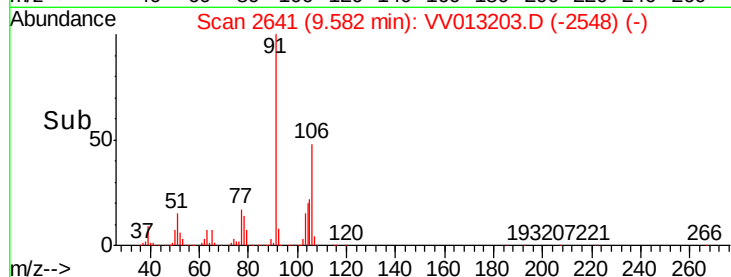
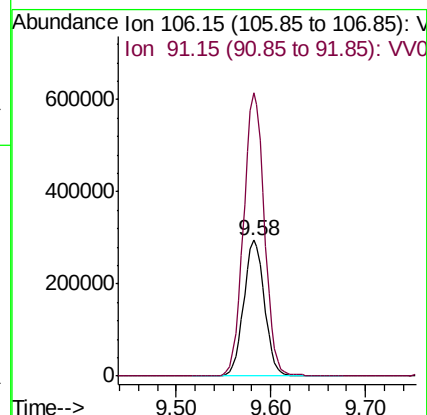
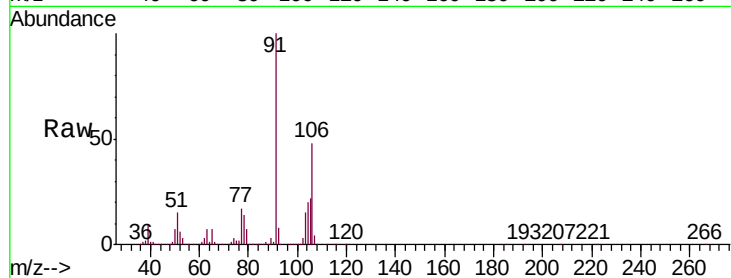




#54
o-xylene
Concen: 5.063 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

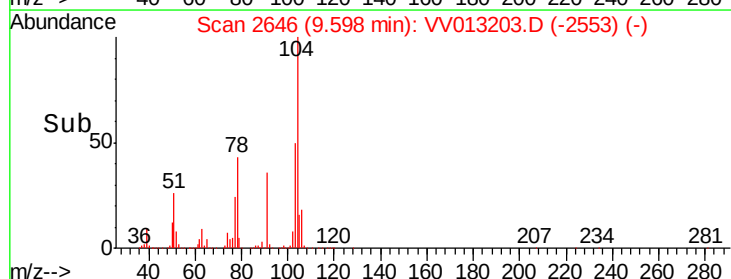
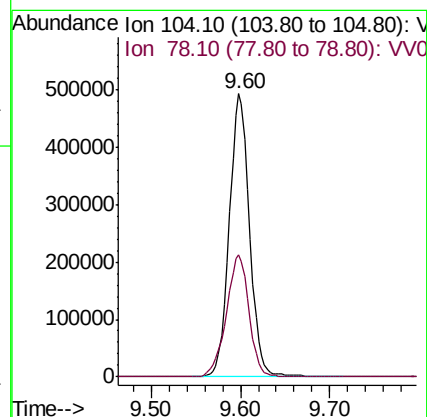
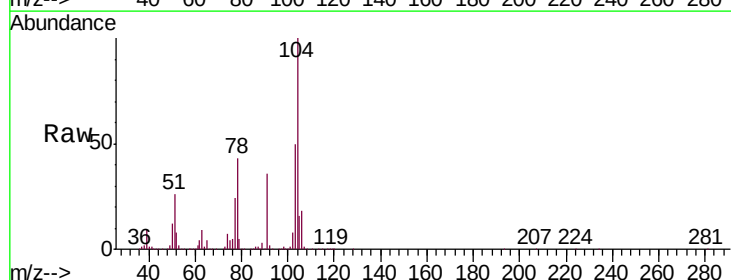
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

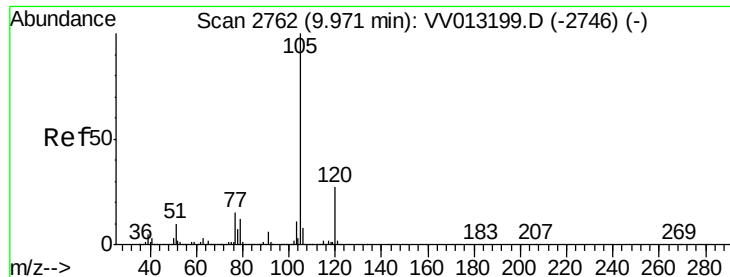
Tgt Ion:106 Resp: 449647
Ion Ratio Lower Upper
106 100
91 208.7 145.3 269.9



#55
Styrene
Concen: 5.218 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013203.D
Acq: 18 Oct 2019 14:30

Tgt Ion:104 Resp: 772488
Ion Ratio Lower Upper
104 100
78 43.3 29.5 54.9





#56

Isopropylbenzene

Concen: 5.208 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

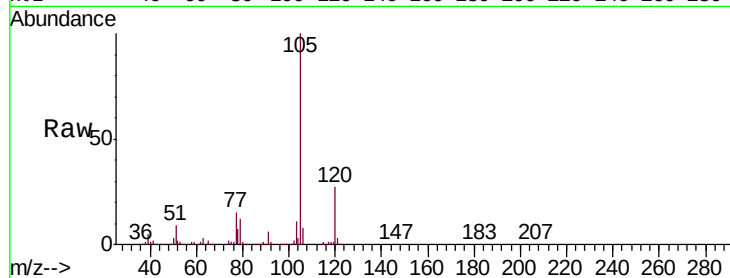
Tgt Ion:105 Resp: 1216694

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

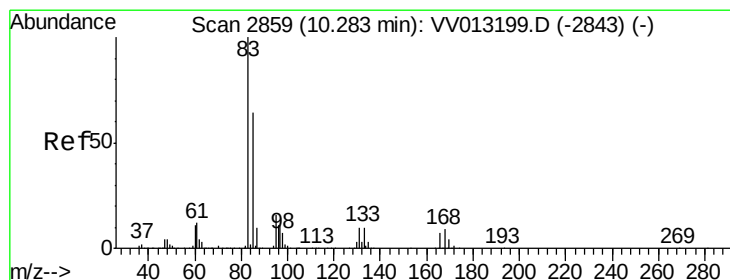
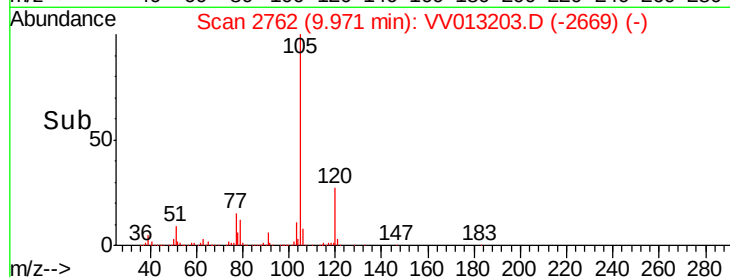
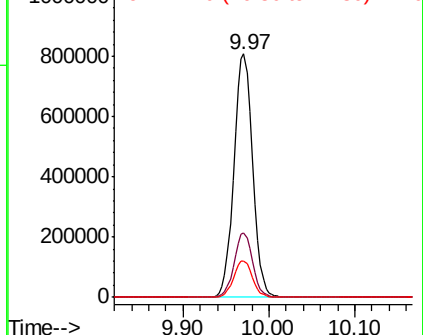
77 15.1 12.4 18.6



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: 4.671 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

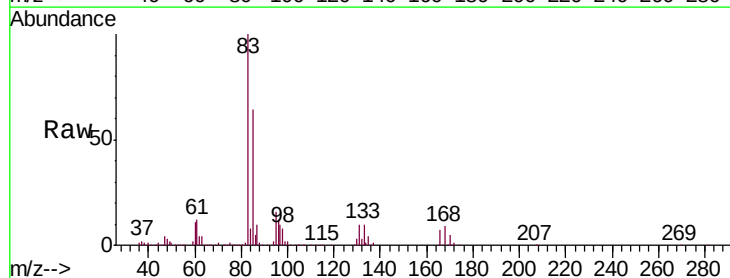
Tgt Ion: 83 Resp: 208145

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

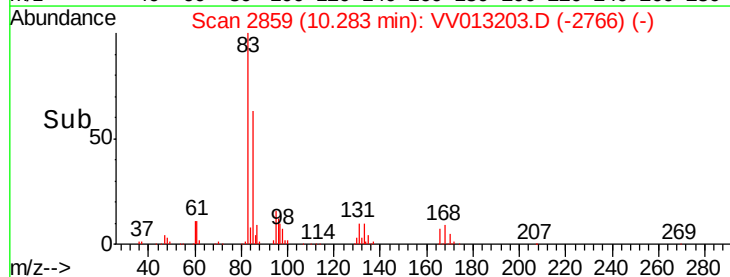
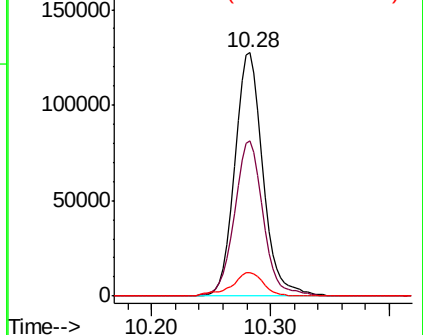
131 9.7 8.3 12.5

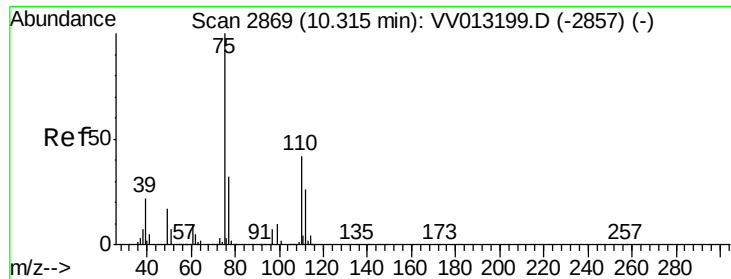


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

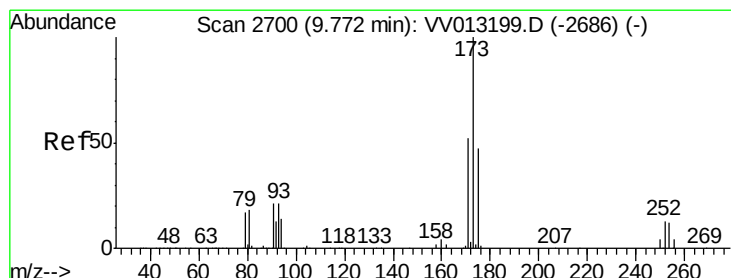
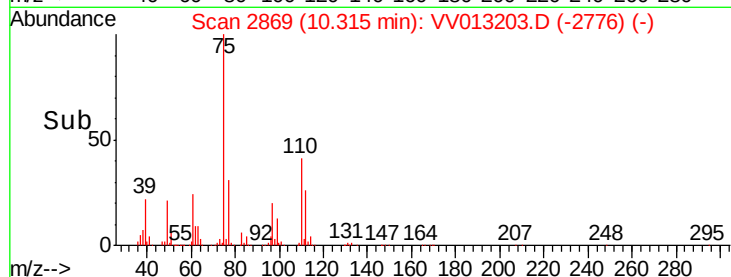
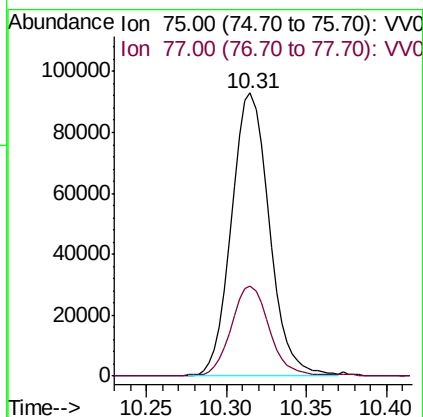
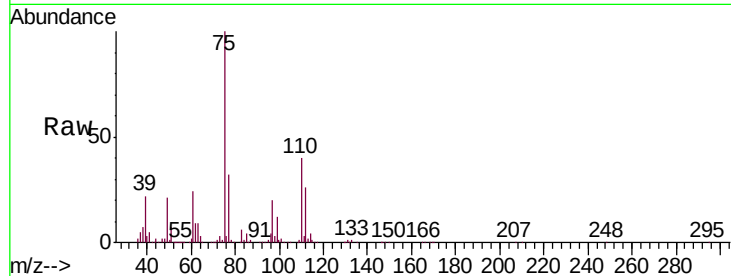




#59
 1,2,3-Trichloropropane
 Concen: 4.659 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

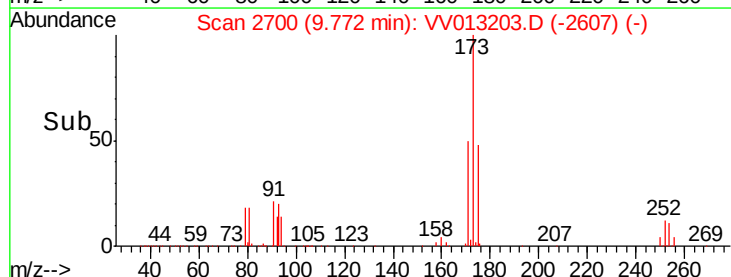
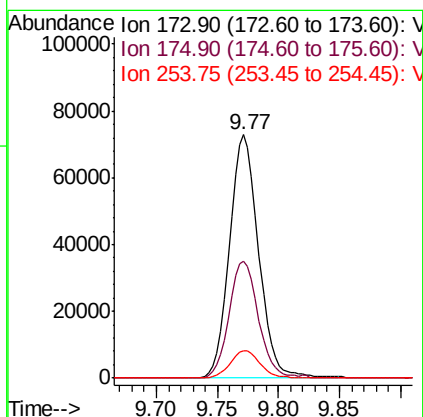
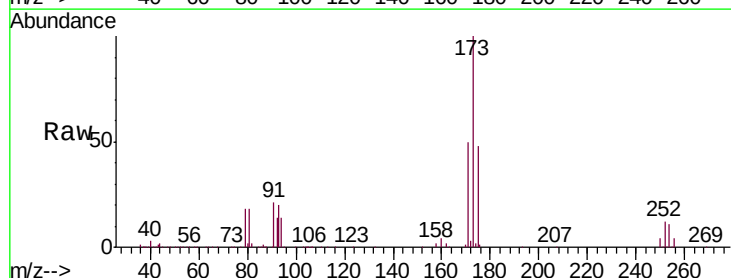
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

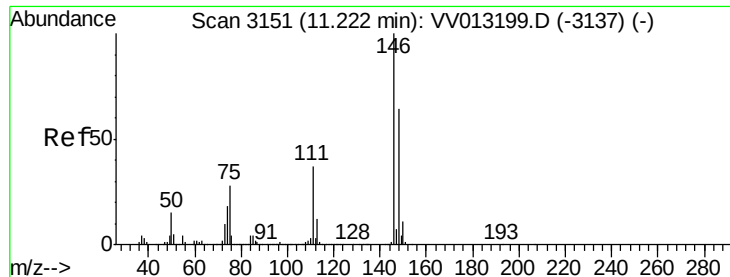
Tgt Ion: 75 Resp: 150220
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0



#61
 Bromoform
 Concen: 4.326 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion: 173 Resp: 121378
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.1 58.7
 254 11.6 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 4.929 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

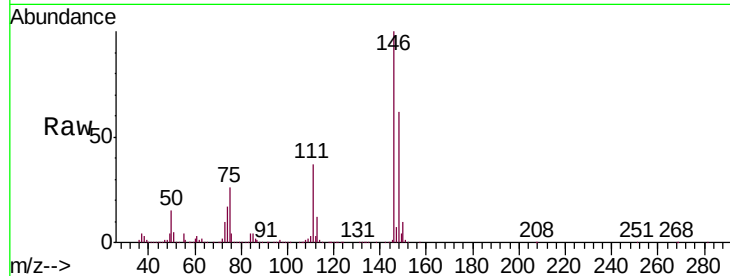
Tgt Ion:146 Resp: 609168

Ion Ratio Lower Upper

146 100

111 36.9 27.1 50.3

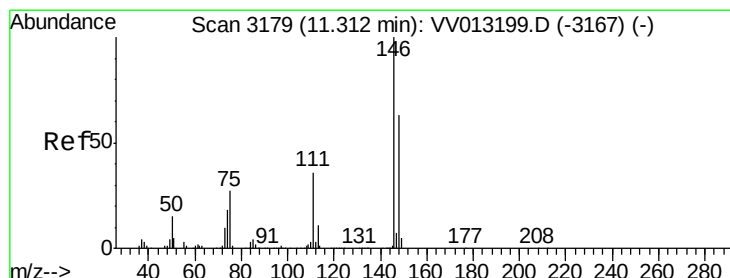
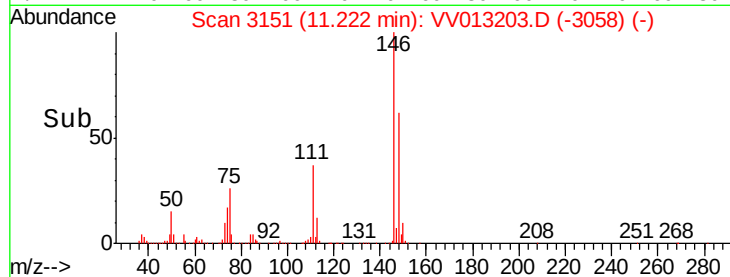
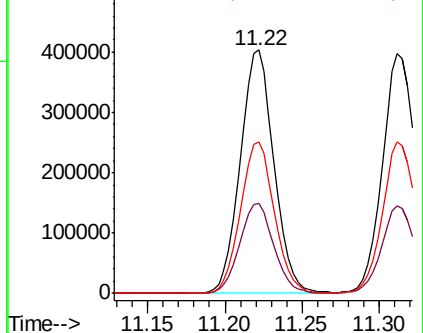
148 62.2 44.4 82.5



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: 4.897 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

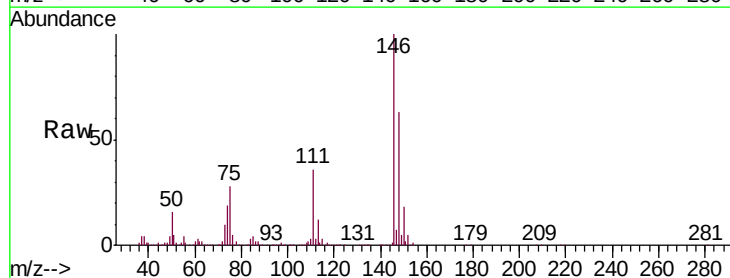
Tgt Ion:146 Resp: 602983

Ion Ratio Lower Upper

146 100

111 36.4 25.7 47.7

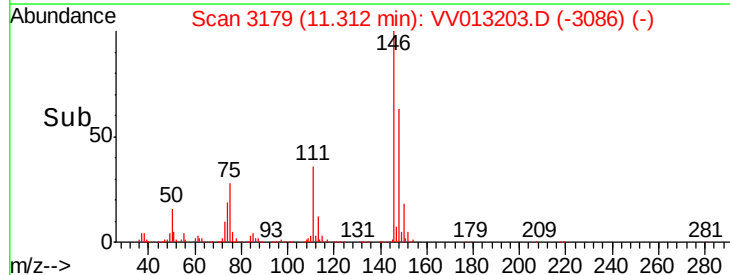
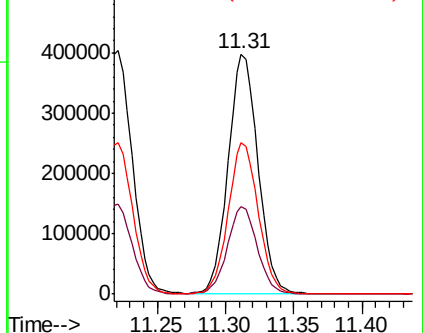
148 63.3 44.4 82.5

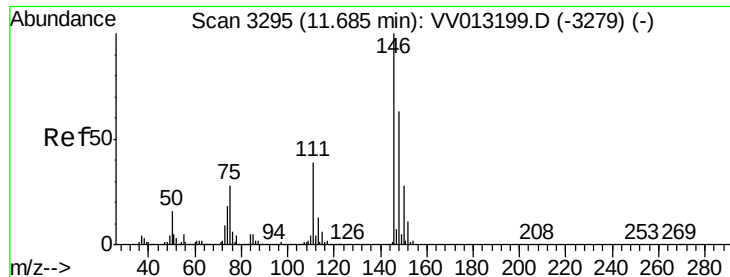


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

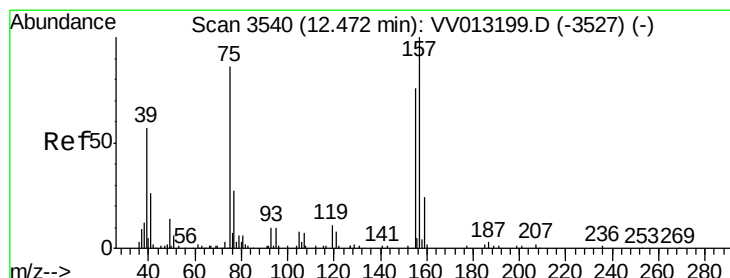
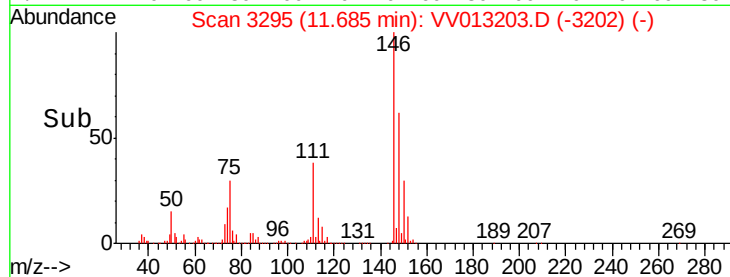
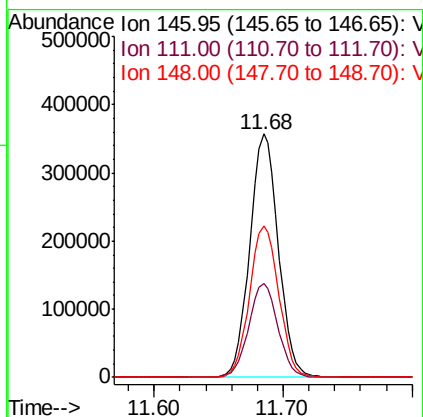
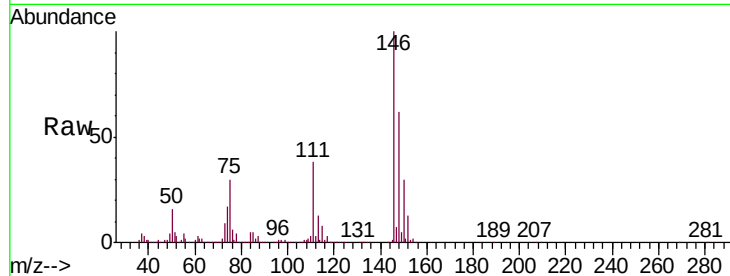




#65
 1,2-Dichlorobenzene
 Concen: 4.710 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

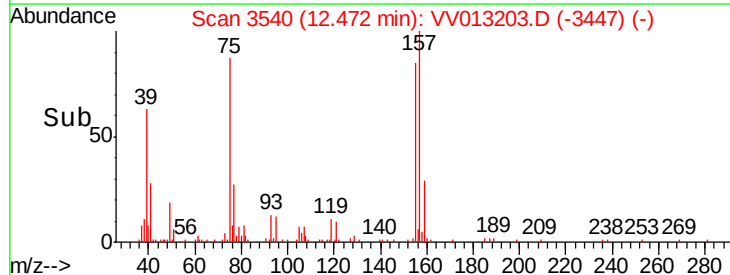
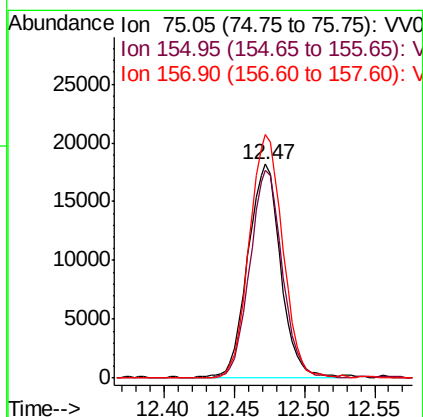
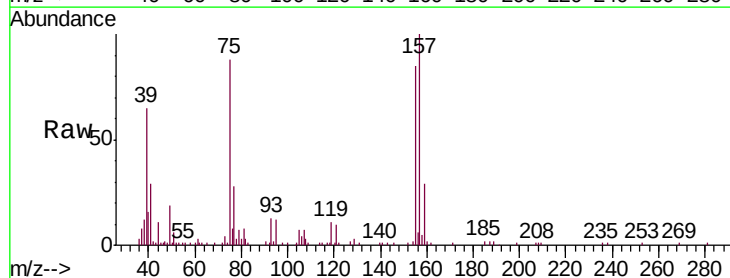
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

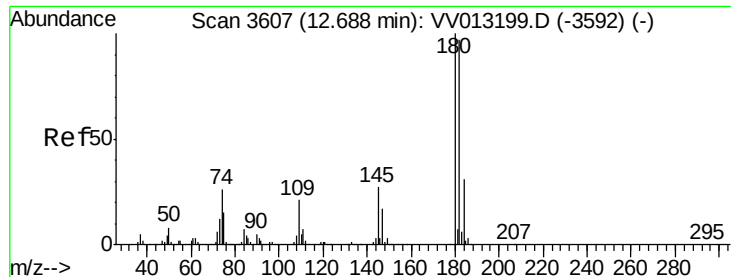
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	31.9	47.9
148	62.1	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.032 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	71.9	107.9
157	113.8	97.3	145.9

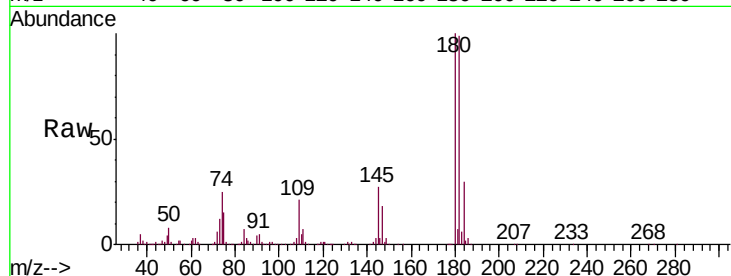




#67
 1,3,5-Trichlorobenzene
 Concen: 4.803 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	180	Resp:	435466
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.6
184	30.4	24.2	36.4
145	27.0	22.1	33.1



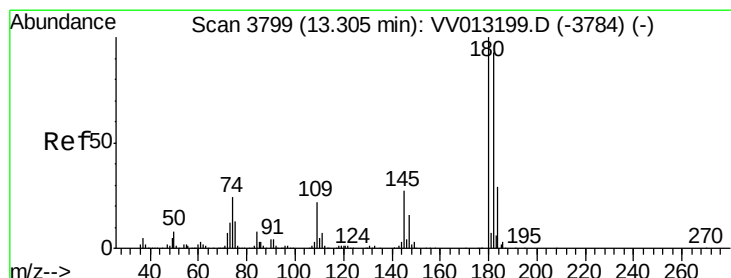
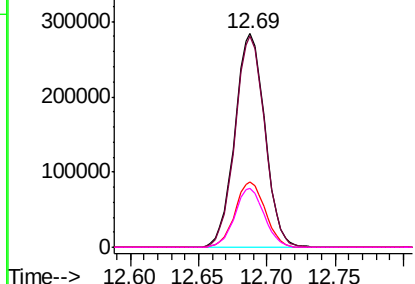
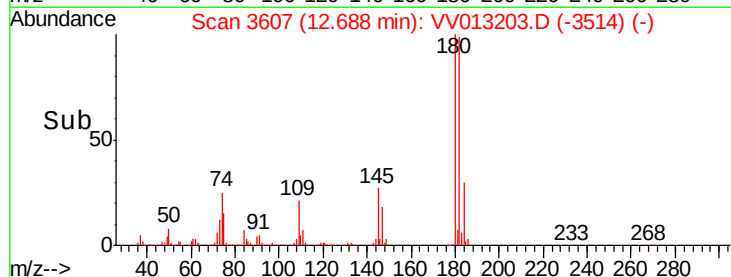
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

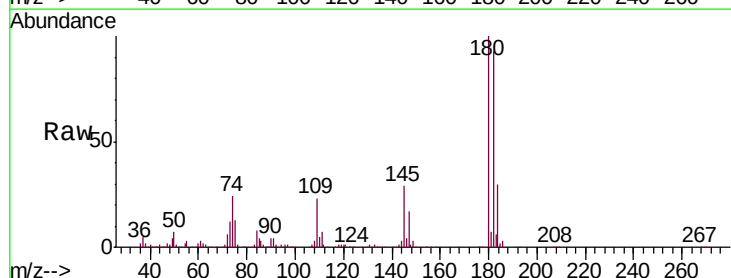
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.882 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013203.D
 Acq: 18 Oct 2019 14:30

Tgt Ion:	180	Resp:	386019
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.9	113.9
145	28.9	22.4	33.6

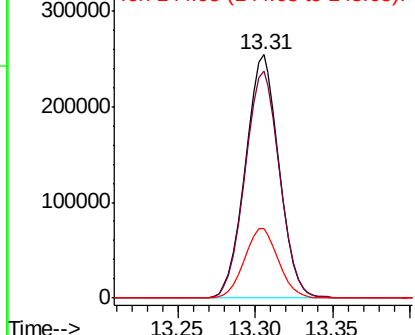
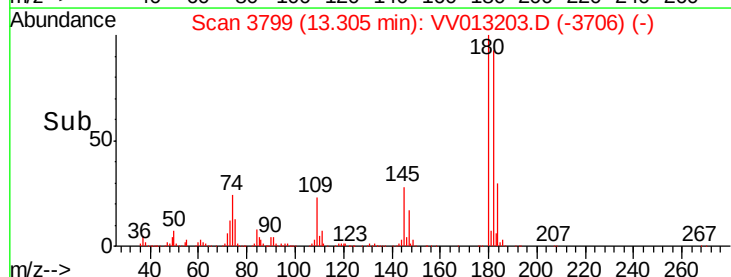


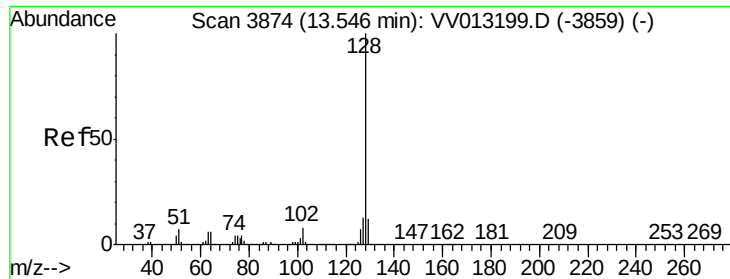
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.684 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

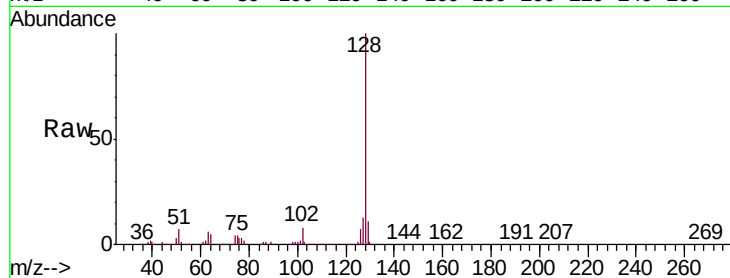
Tgt Ion:128 Resp: 571633

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

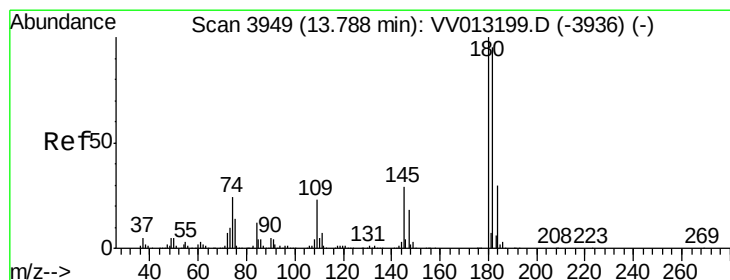
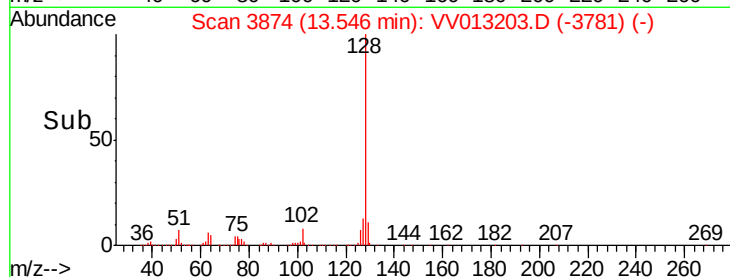
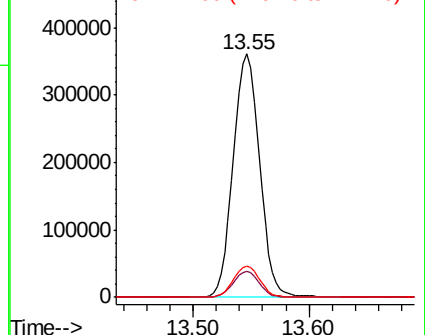
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.713 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013203.D

Acq: 18 Oct 2019 14:30

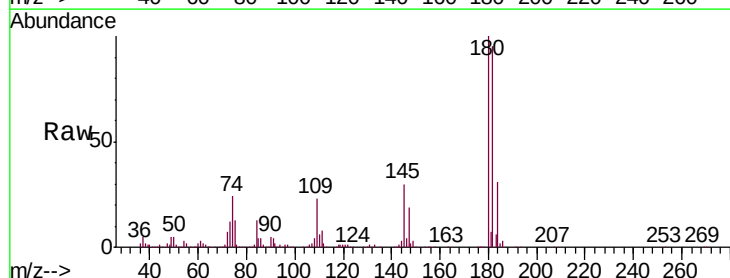
Tgt Ion:180 Resp: 368874

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

145 29.3 23.8 35.6



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

