

Data File : VV011889.D
Acq On : 15 Jul 2019 18:13
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Quant Time: Jul 16 04:00:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 16 03:56:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173698	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	170243	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	82076	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56479	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	47160	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.13	63	102388	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.96	46	147037	53.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.36%
24) Chloroform-d	4.40	84	116959	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	59755	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	221813	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.12	67	68377	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	209857	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.66	79	24655	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.13	63	107207	51.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42907	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	73291	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	79958	4.678	ug/L 99
3) Chloromethane	1.25	50	80829	4.800	ug/L 100
5) Vinyl chloride	1.32	62	78682	4.795	ug/L 99
6) Bromomethane	1.54	94	43602	4.658	ug/L 95
8) Chloroethane	1.60	64	47855	4.902	ug/L 99
9) Trichlorofluoromethane	1.77	101	106800	4.988	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	54451	5.383	ug/L 98
12) 1,1-Dichloroethene	2.14	96	51192	5.516	ug/L 97
13) Acetone	2.21	43	93750	55.815	ug/L 98
14) Carbon disulfide	2.32	76	115565	4.630	ug/L 99
15) Methyl Acetate	2.47	43	23547	5.897	ug/L 99
16) Methylene chloride	2.53	84	55639	5.660	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	138266	5.157	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	61418	4.981	ug/L 93
19) 1,1-Dichloroethane	3.23	63	120733	5.184	ug/L 99
21) 2-Butanone	4.04	43	162320	53.272	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	66354	5.024	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26846	4.808	ug/L	91
25) Chloroform	4.43	83	126664	4.931	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76596	5.182	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	102425	4.773	ug/L	97
30) Cyclohexane	4.72	56	106696	4.843	ug/L	96
31) Carbon tetrachloride	4.87	117	88530	4.825	ug/L	98
33) Benzene	5.15	78	263741	4.977	ug/L	100
34) Trichloroethene	5.96	95	71137	4.705	ug/L	96
35) Methylcyclohexane	6.17	83	107293	4.833	ug/L	96
37) 1,2-Dichloropropane	6.22	63	65503	4.937	ug/L	98
38) Bromodichloromethane	6.56	83	77786	4.846	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	88312	4.859	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	406689	51.569	ug/L	99
42) Toluene	7.43	91	279735	5.028	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	68448	4.859	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	43238	4.868	ug/L	99
47) Tetrachloroethene	8.02	164	52299	4.696	ug/L	97
48) 2-Hexanone	8.19	43	293738	51.852	ug/L	99
49) Dibromochloromethane	8.29	129	47233	4.836	ug/L	97
50) 1,2-Dibromoethane	8.40	107	39854	4.860	ug/L	100
51) Chlorobenzene	8.93	112	173477	4.821	ug/L	98
52) Ethylbenzene	9.05	91	304406	4.952	ug/L	100
53) m,p-xylene	9.18	106	117292	5.170	ug/L	96
54) o-xylene	9.59	106	109484	5.061	ug/L	99
55) Styrene	9.60	104	188880	5.176	ug/L	96
56) Isopropylbenzene	9.97	105	296177	5.018	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	42610	4.867	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	37464	4.749	ug/L	98
61) Bromoform	9.77	173	22162	4.861	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	130518	4.924	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	133632	4.869	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	123903	4.940	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6954	4.510	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	100472	4.822	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	81020	4.911	ug/L	100
69) Naphthalene	13.55	128	121272	4.977	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	75312	5.027	ug/L	99

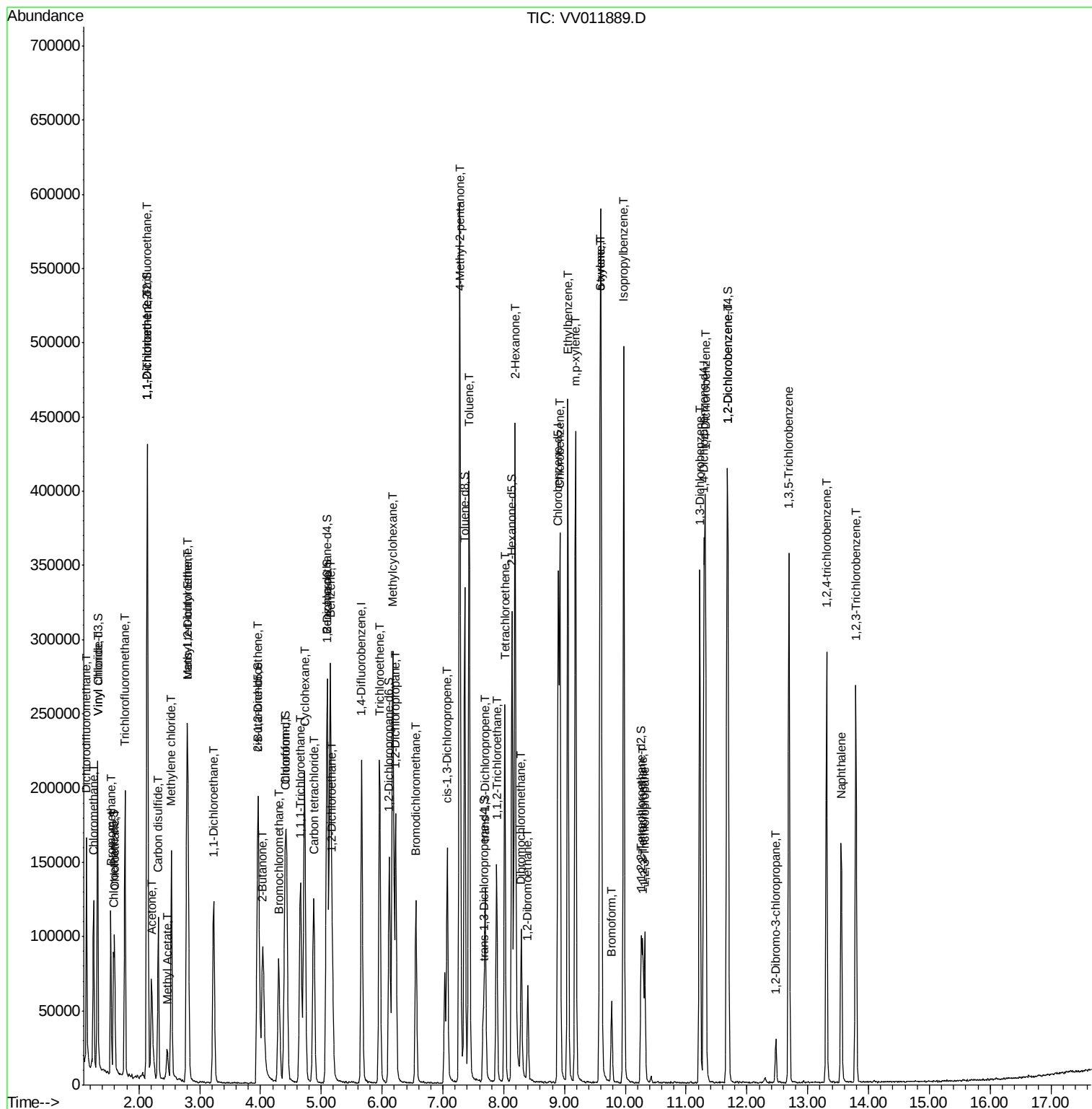
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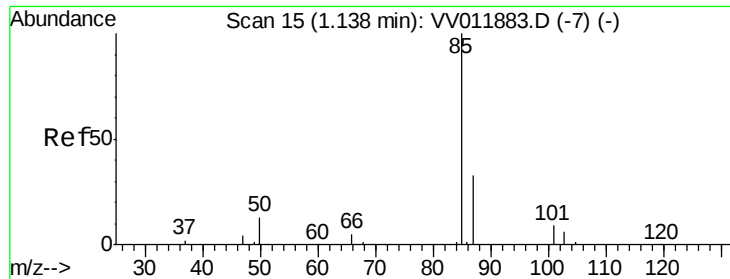
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#2

Dichlorodifluoromethane

Concen: 4.678 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

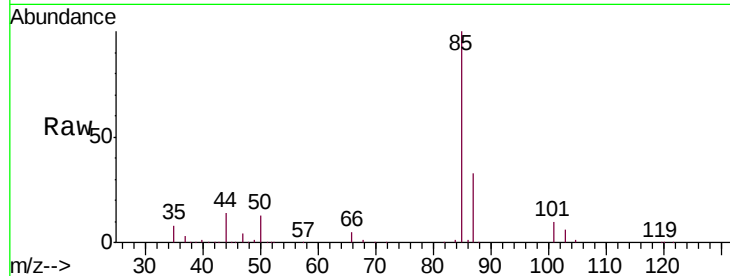
VSTD00537

Tgt Ion: 85 Resp: 79958

Ion Ratio Lower Upper

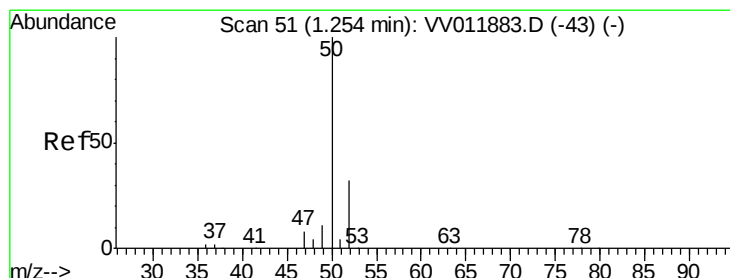
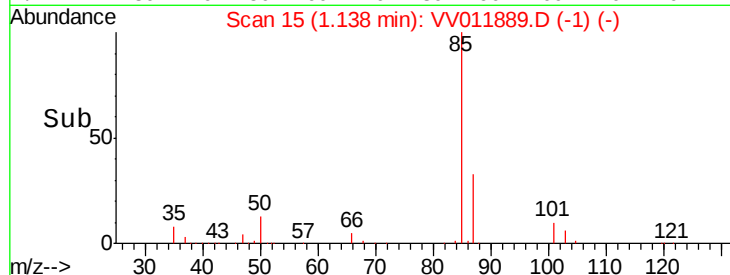
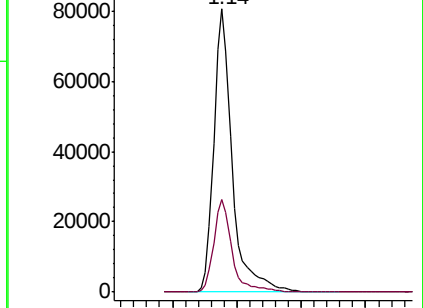
85 100

87 32.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.800 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011889.D

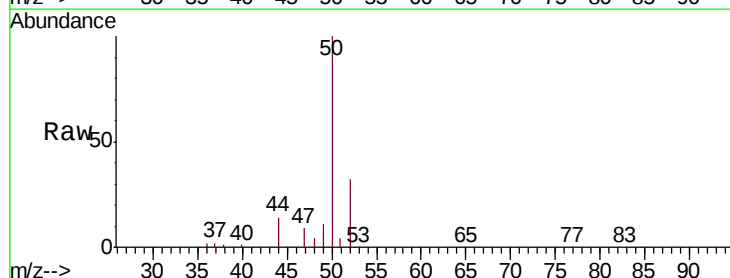
Acq: 15 Jul 2019 18:13

Tgt Ion: 50 Resp: 80829

Ion Ratio Lower Upper

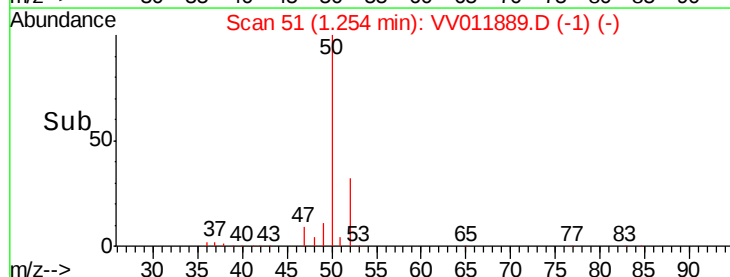
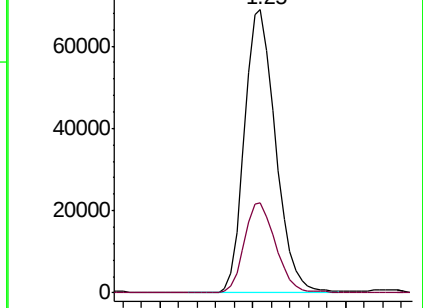
50 100

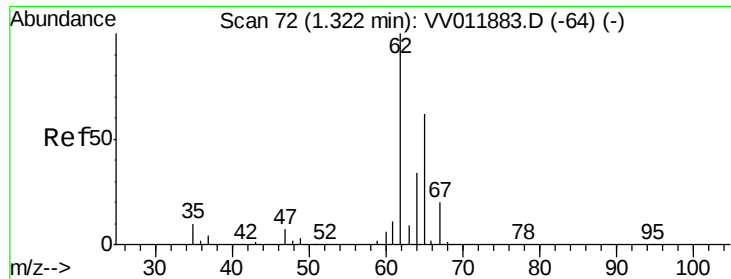
52 31.7 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.795 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

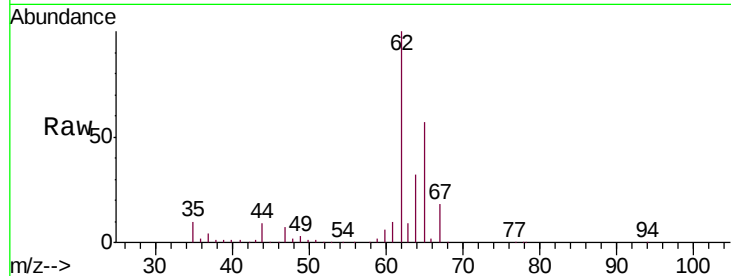
VSTD00537

Tgt Ion: 62 Resp: 78682

Ion Ratio Lower Upper

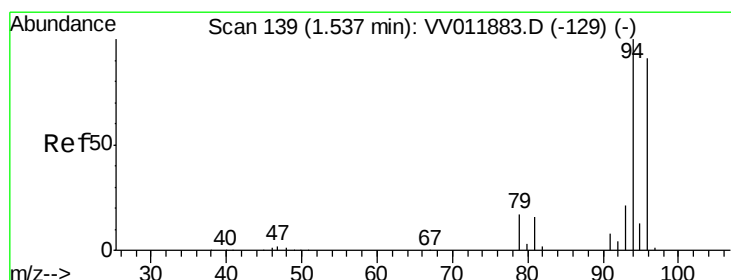
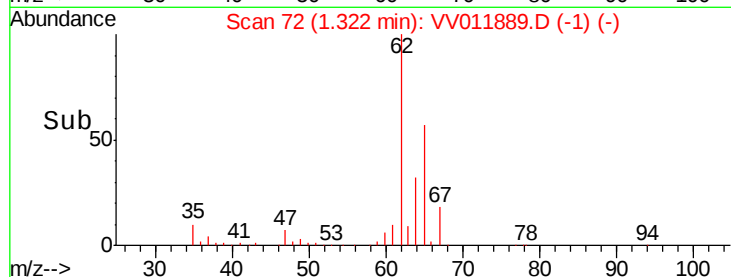
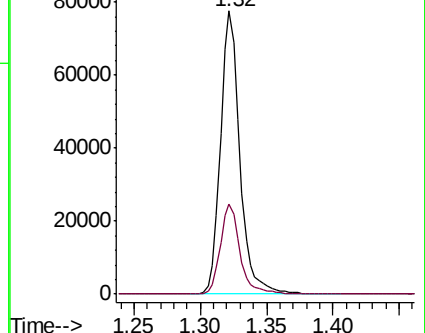
62 100

64 32.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV011883.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV011889.D (-1) (-)



#6

Bromomethane

Concen: 4.658 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011889.D

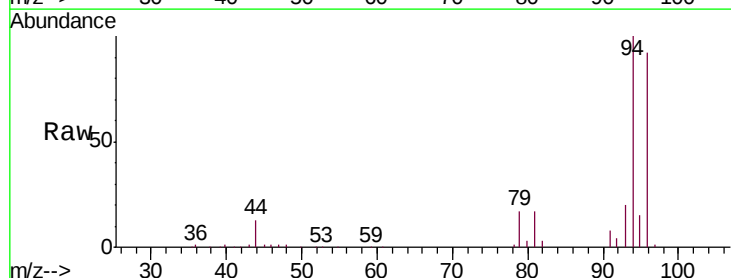
Acq: 15 Jul 2019 18:13

Tgt Ion: 94 Resp: 43602

Ion Ratio Lower Upper

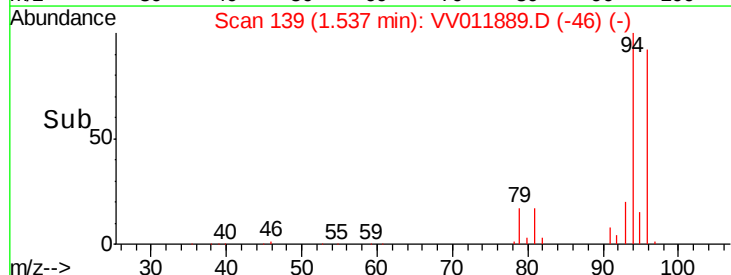
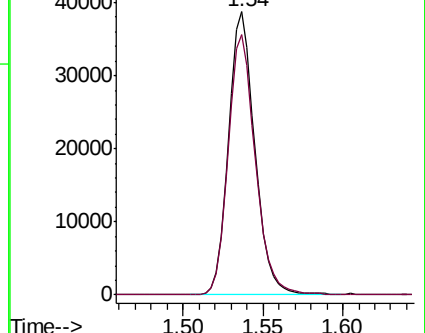
94 100

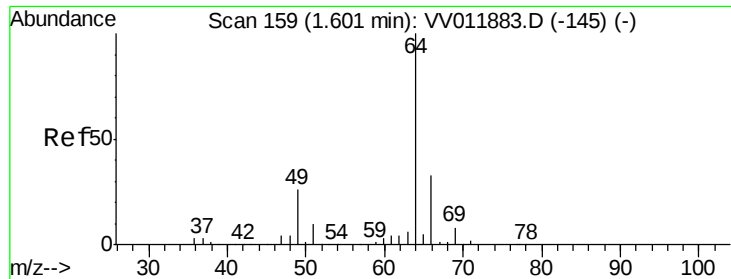
96 92.1 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV011883.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV011889.D (-46) (-)





#8

Chloroethane

Concen: 4.902 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

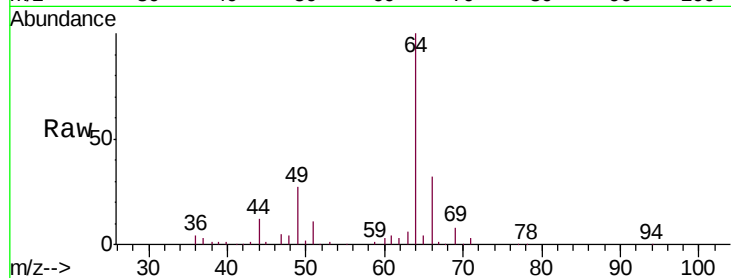
VSTD00537

Tgt Ion: 64 Resp: 47855

Ion Ratio Lower Upper

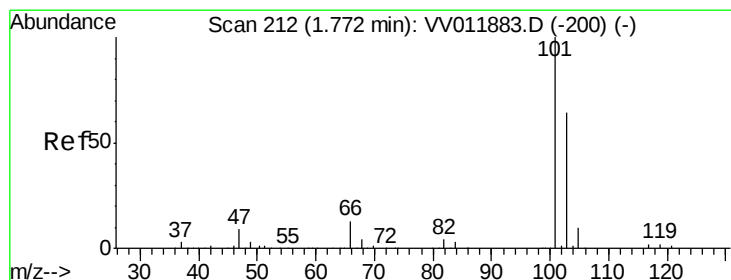
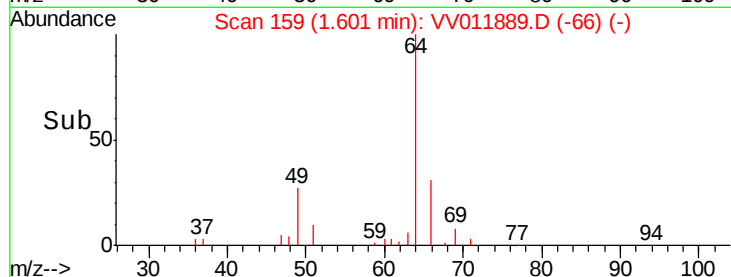
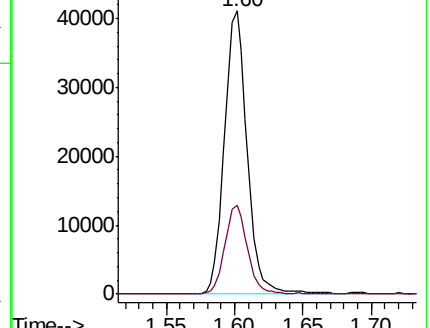
64 100

66 31.5 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV011889.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV011889.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 4.988 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011889.D

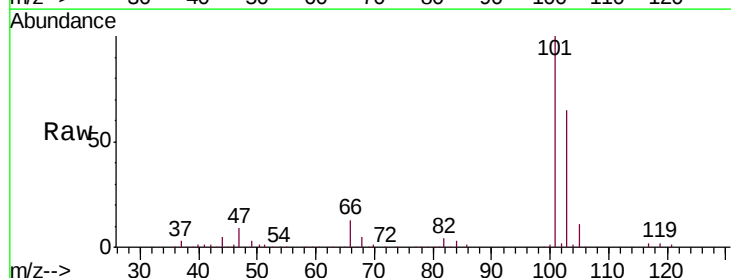
Acq: 15 Jul 2019 18:13

Tgt Ion: 101 Resp: 106800

Ion Ratio Lower Upper

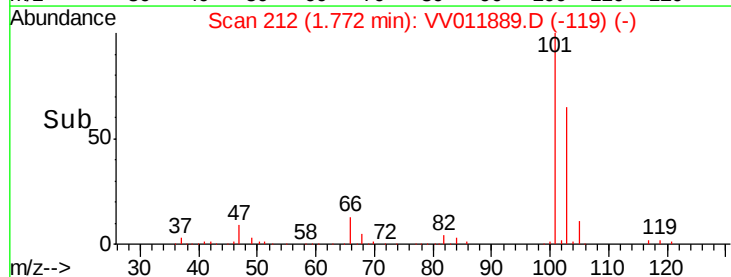
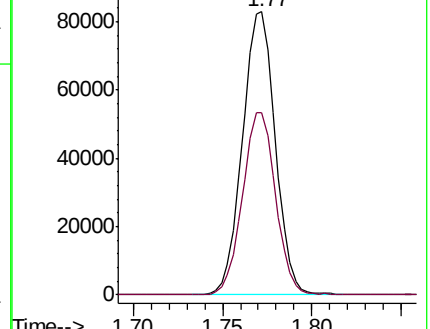
101 100

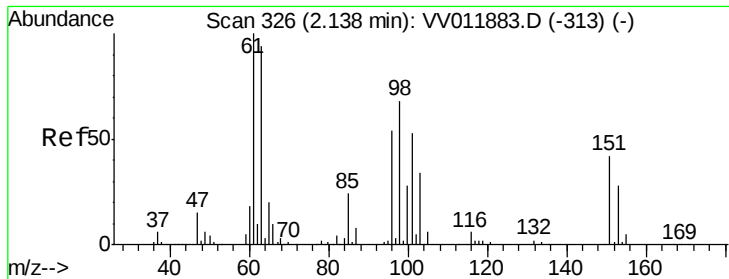
103 64.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV011889.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV011889.D (-200) (-)





#10

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

Concen: 5.383 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

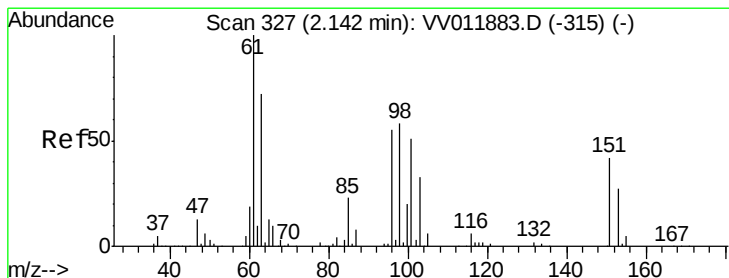
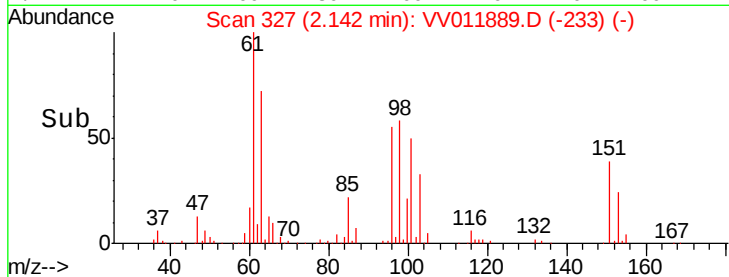
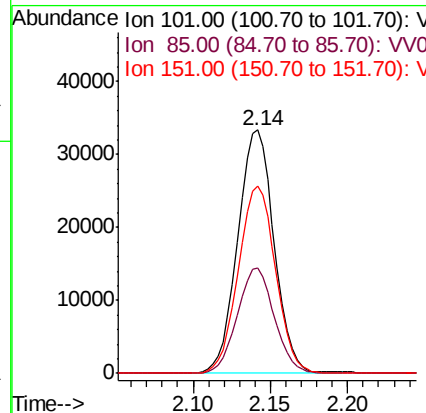
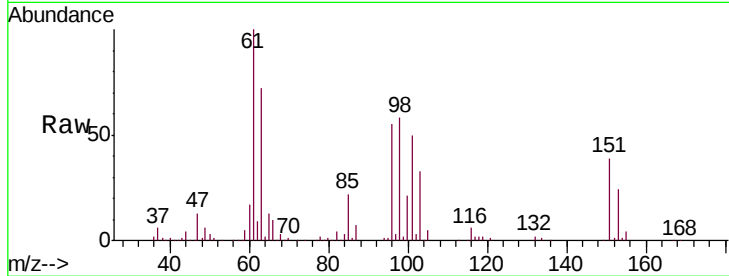
Instrument :

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Tgt Ion:	101	Resp:	54451
Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.8	52.2
151	78.8	60.8	91.2



#12

1,1-Dichloroethene

Concen: 5.516 ug/L

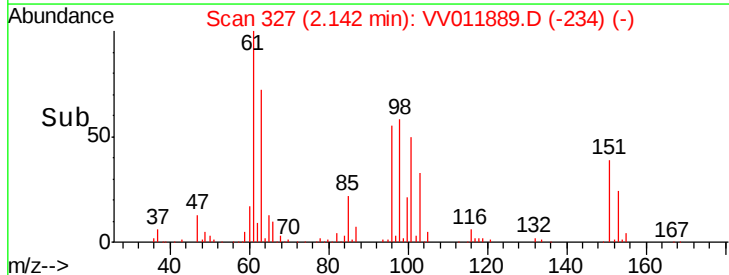
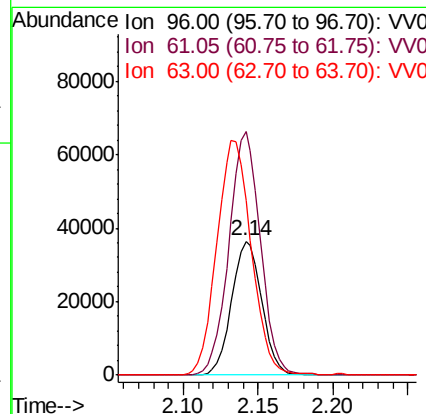
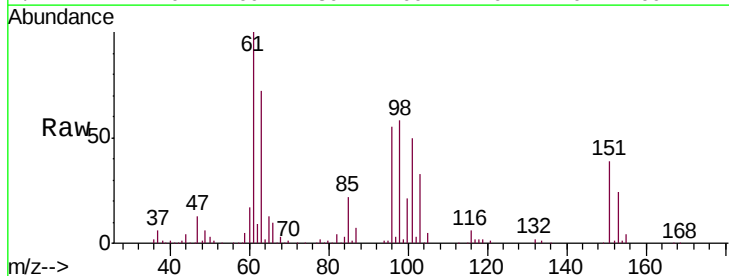
RT: 2.14 min Scan# 327

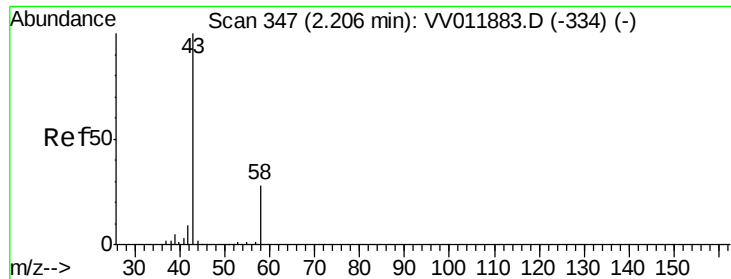
Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Tgt Ion:	96	Resp:	51192
Ion	Ratio	Lower	Upper
96	100		
61	182.2	128.1	237.9
63	130.8	96.7	179.5





#13

Acetone

Concen: 55.815 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

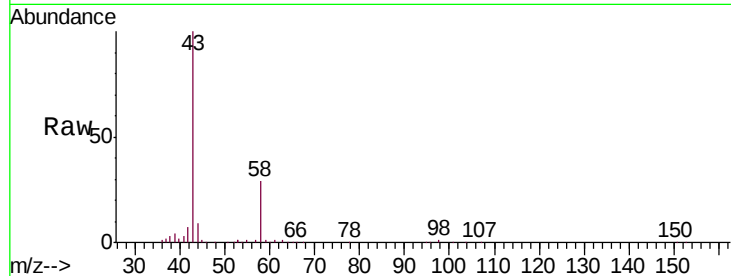
VSTD00537

Tgt Ion: 43 Resp: 93750

Ion Ratio Lower Upper

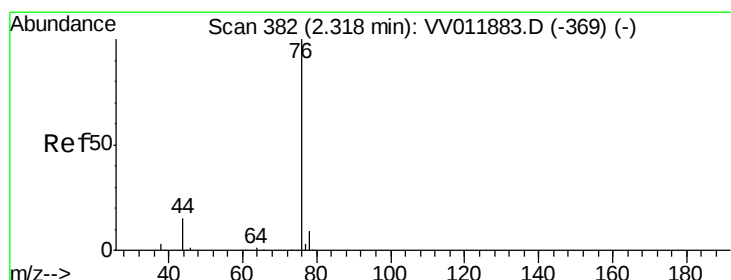
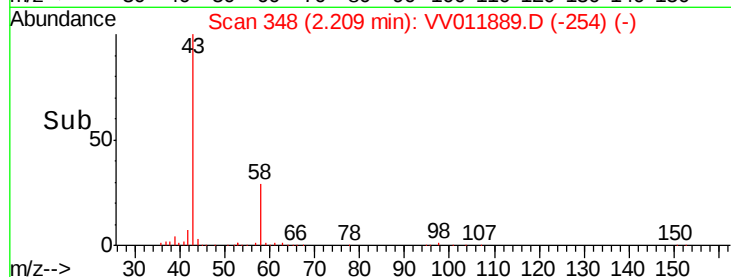
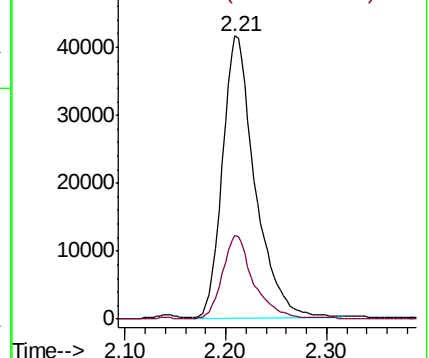
43 100

58 28.3 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.630 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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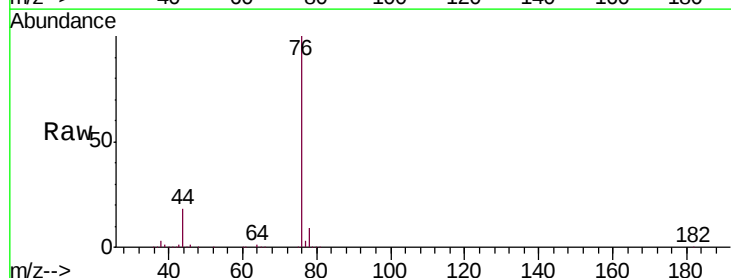
Acq: 15 Jul 2019 18:13

Tgt Ion: 76 Resp: 115565

Ion Ratio Lower Upper

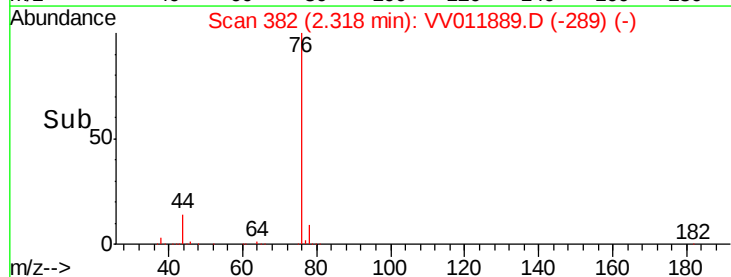
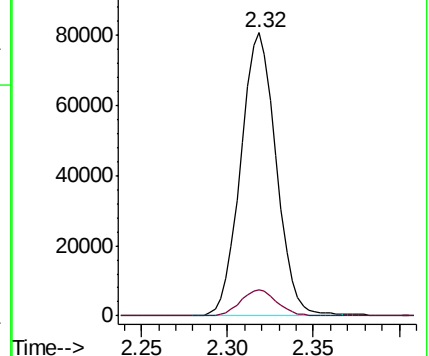
76 100

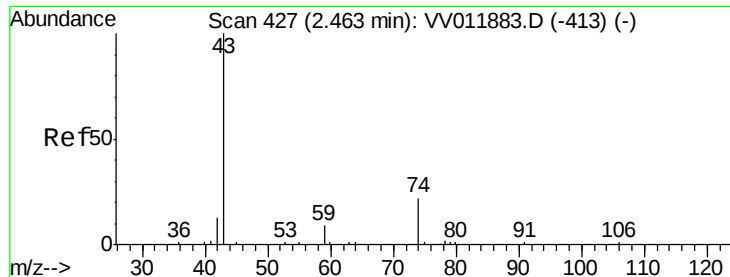
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

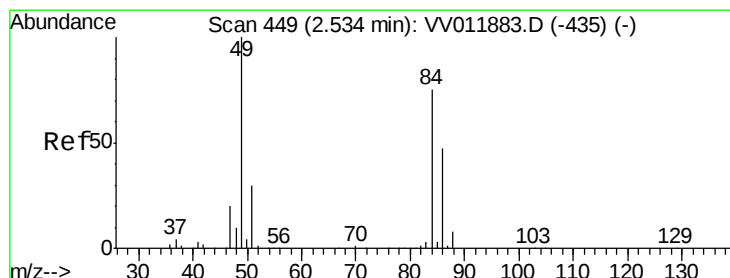
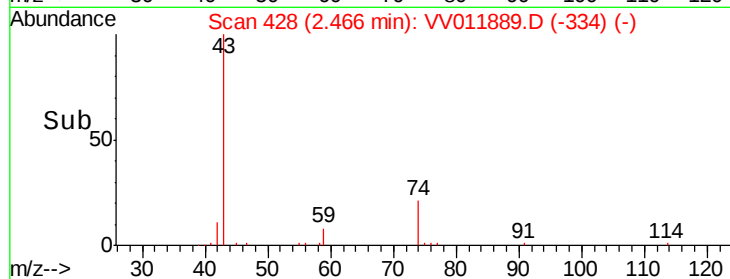
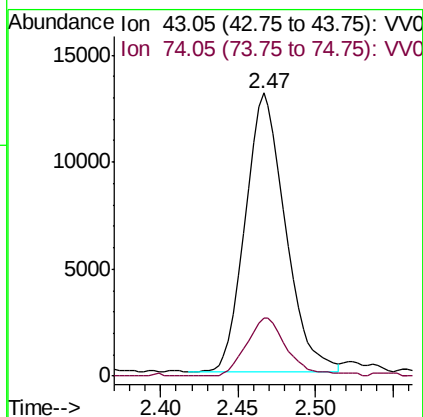
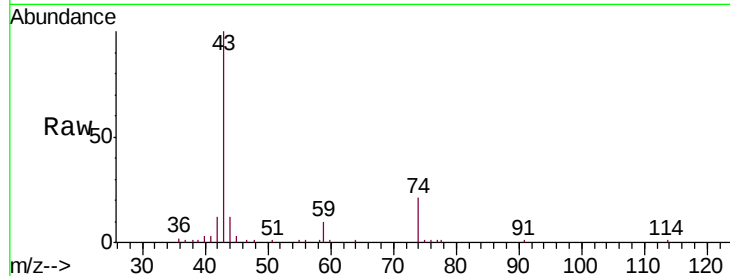




#15
Methyl Acetate
Concen: 5.897 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

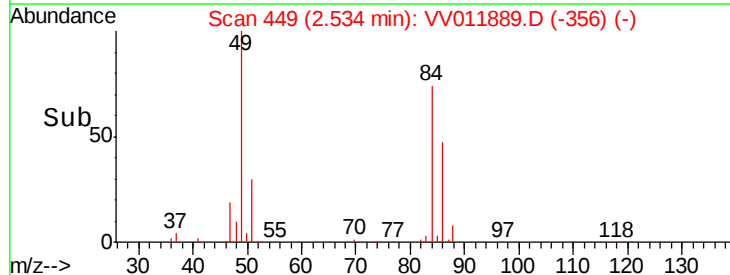
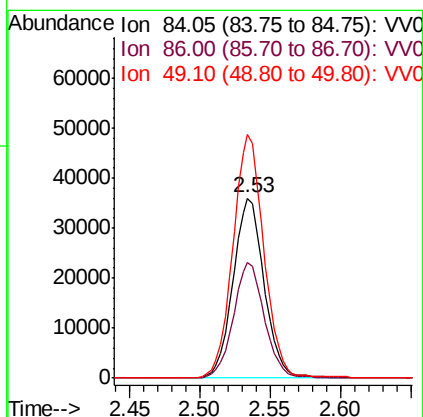
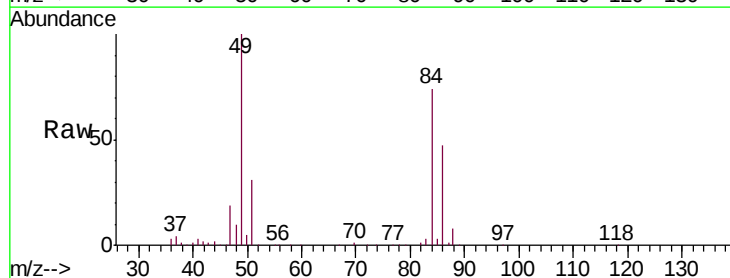
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

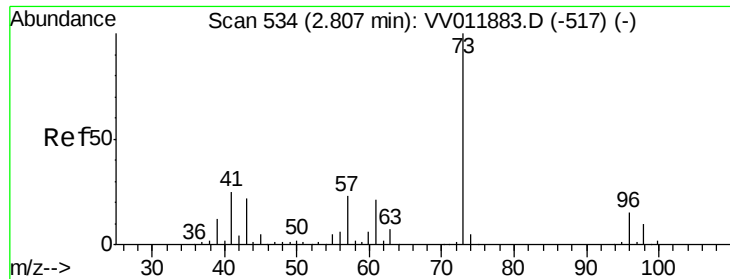
Tgt Ion: 43 Resp: 23547
Ion Ratio Lower Upper
43 100
74 21.4 17.4 26.0



#16
Methylene chloride
Concen: 5.660 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion: 84 Resp: 55639
Ion Ratio Lower Upper
84 100
86 63.9 43.9 81.5
49 135.1 92.6 172.0

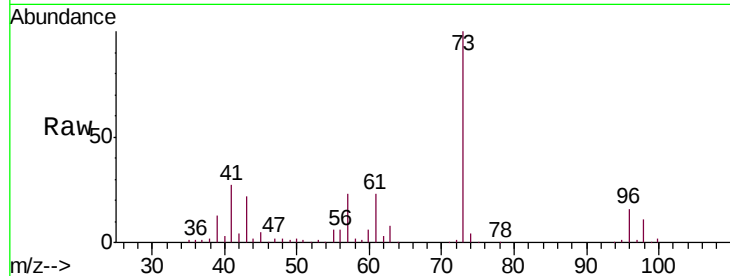




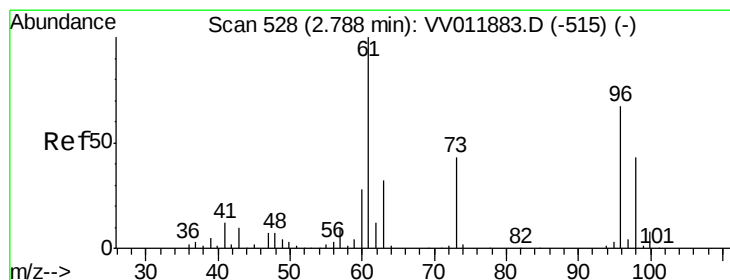
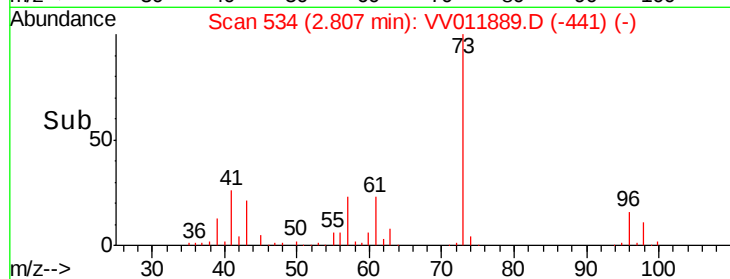
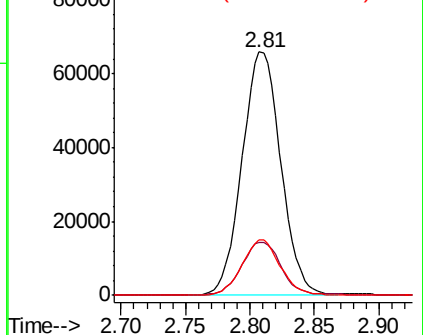
#17
Methyl tert-butyl Ether
Concen: 5.157 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion: 73 Resp: 138266
Ion Ratio Lower Upper
73 100
43 22.8 16.3 24.5
57 22.4 17.4 26.0

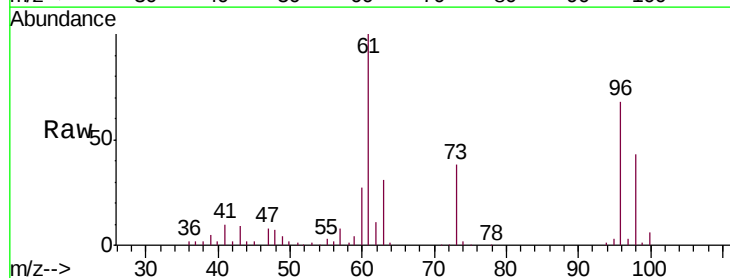


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

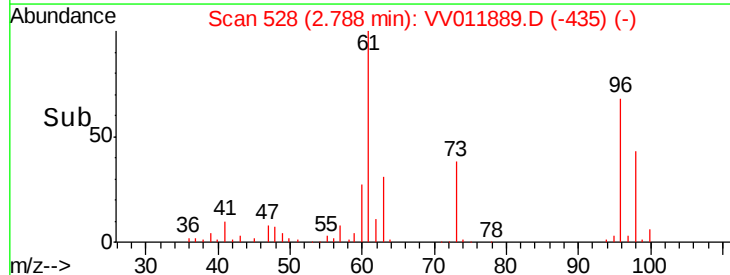
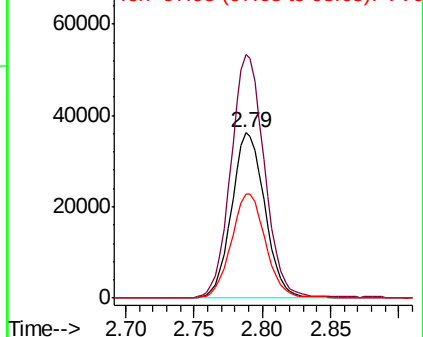


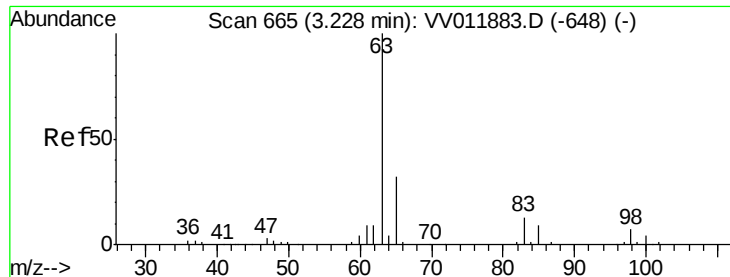
#18
trans-1,2-Dichloroethene
Concen: 4.981 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion: 96 Resp: 61418
Ion Ratio Lower Upper
96 100
61 147.6 94.8 176.2
98 62.9 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

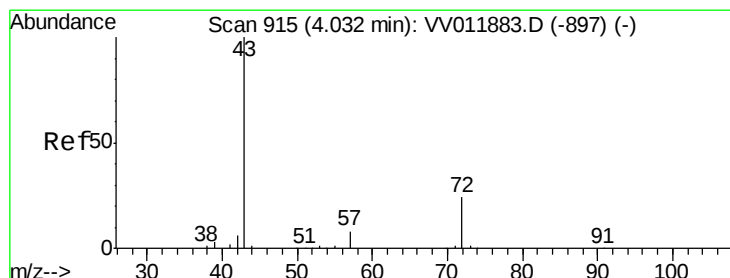
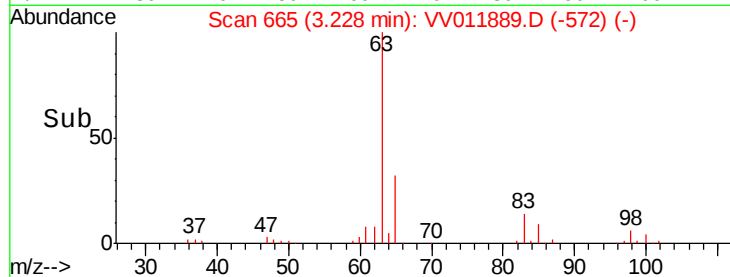
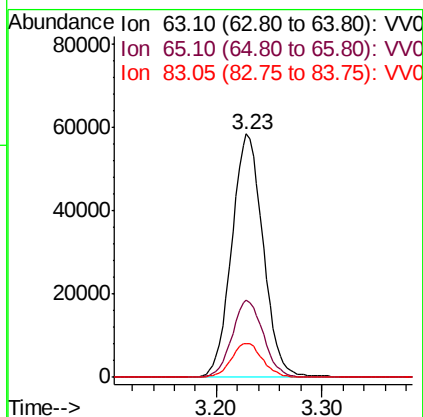
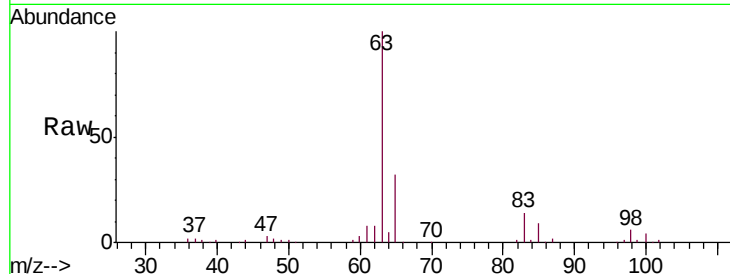




#19
 1,1-Dichloroethane
 Concen: 5.184 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

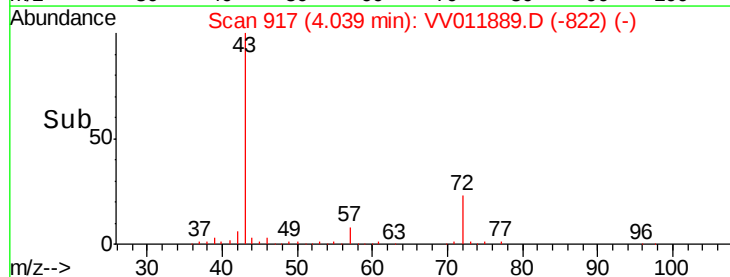
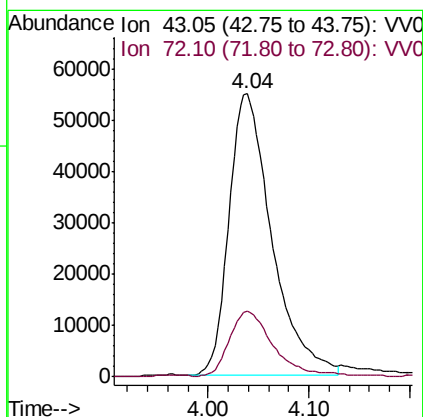
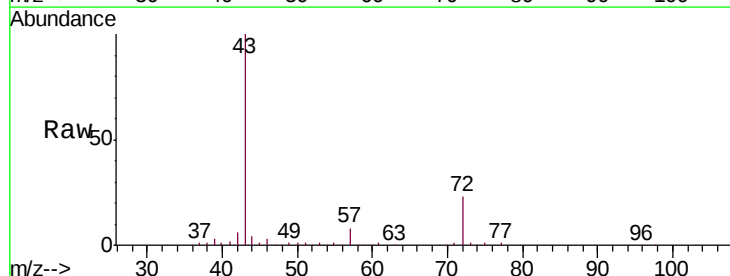
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

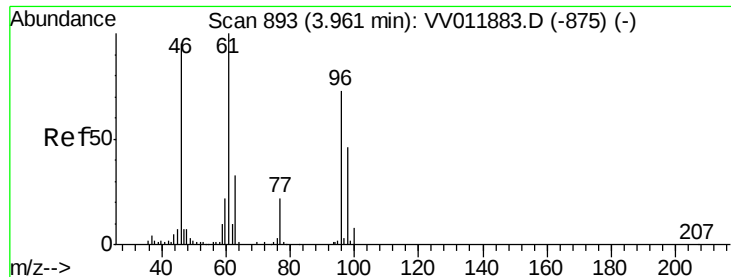
Tgt Ion: 63 Resp: 120733
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.6 42.0
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 53.272 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion: 43 Resp: 162320
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.2 36.4



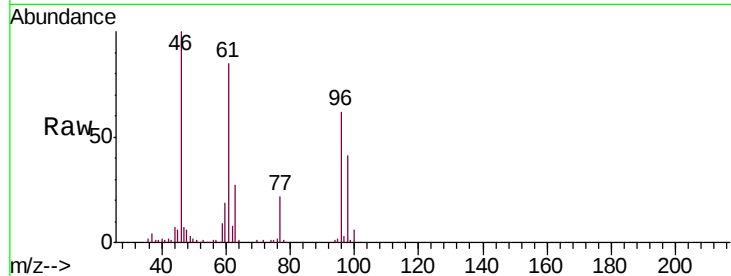


#22

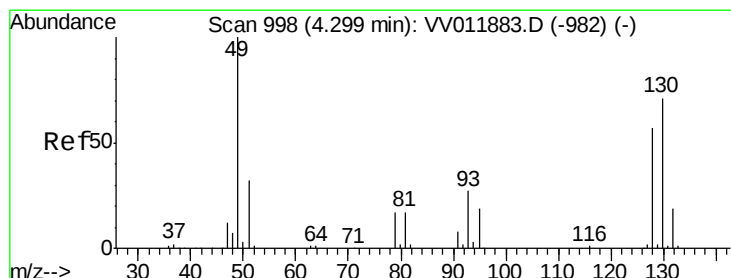
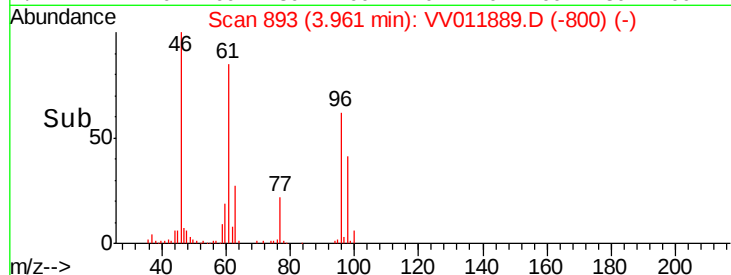
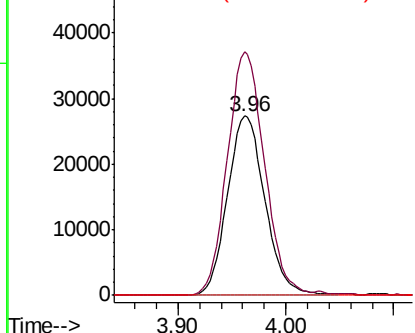
cis-1,2-Dichloroethene
Concen: 5.024 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion: 96 Resp: 66354
Ion Ratio Lower Upper
96 100
61 135.9 92.6 172.0
68 0.0 0.0 0.0



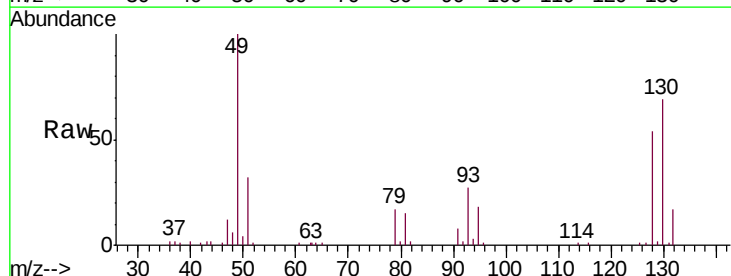
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



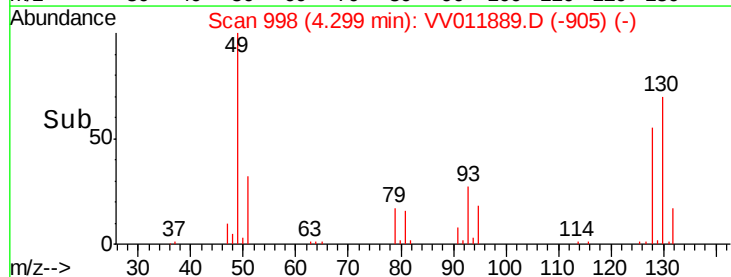
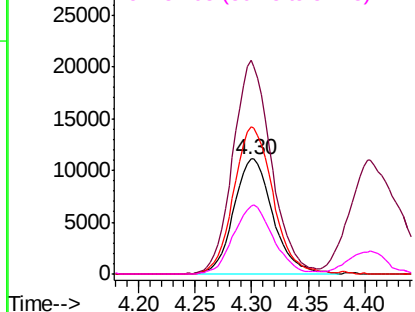
#23

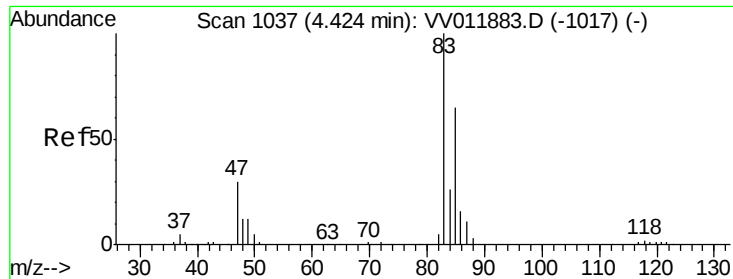
Bromochloromethane
Concen: 4.808 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion: 128 Resp: 26846
Ion Ratio Lower Upper
128 100
49 185.6 116.3 216.1
130 127.7 90.3 167.7
51 59.3 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

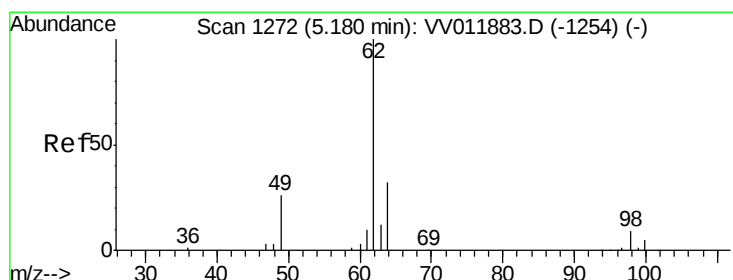
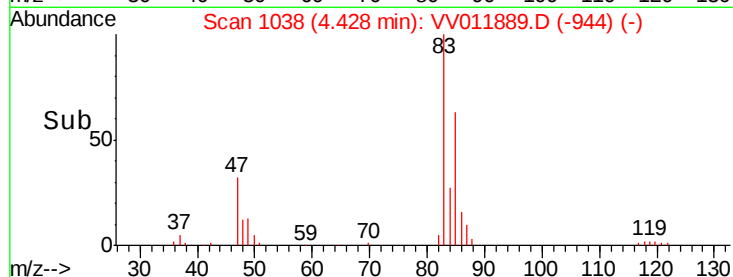
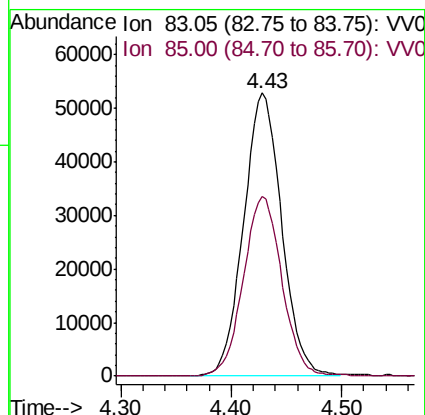
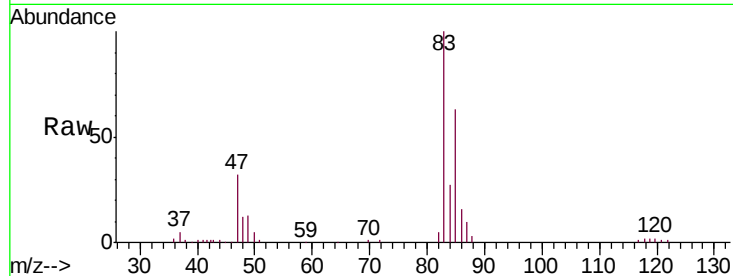




#25
Chloroform
Concen: 4.931 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

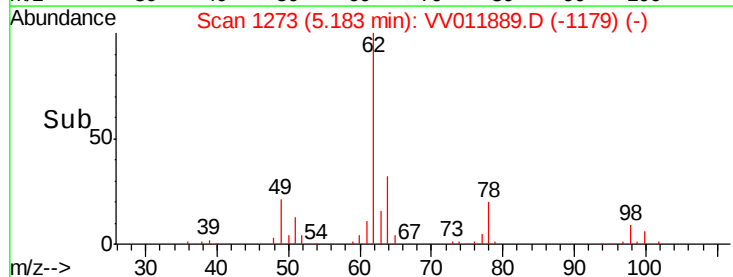
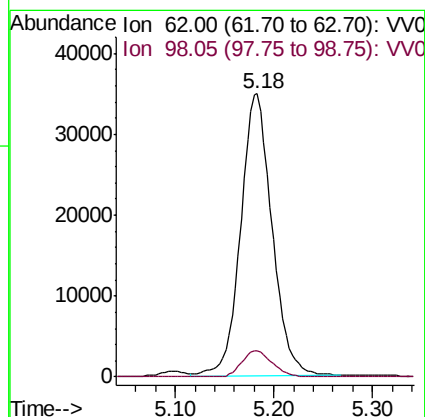
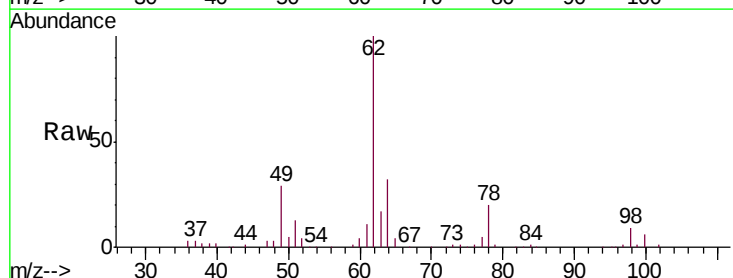
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

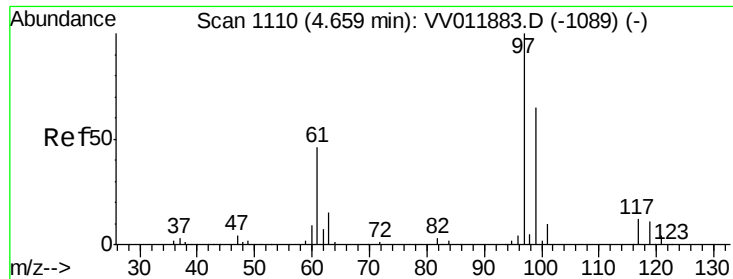
Tgt Ion: 83 Resp: 126664
Ion Ratio Lower Upper
83 100
85 63.5 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.182 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion: 62 Resp: 76596
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3

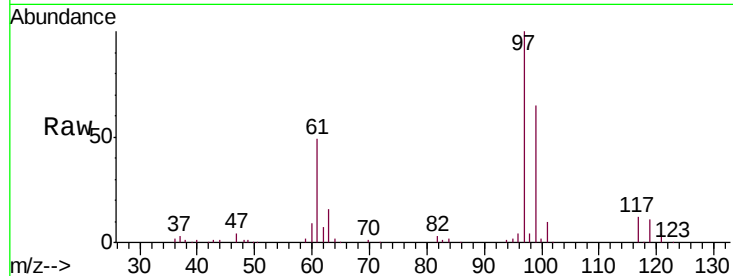




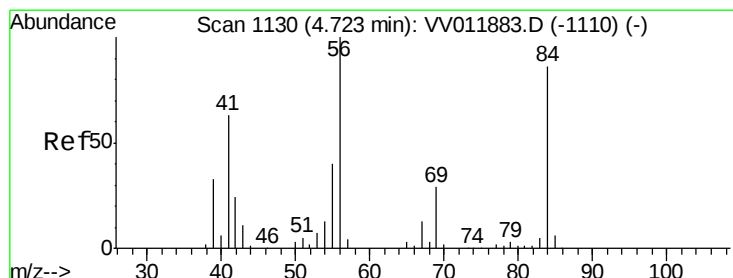
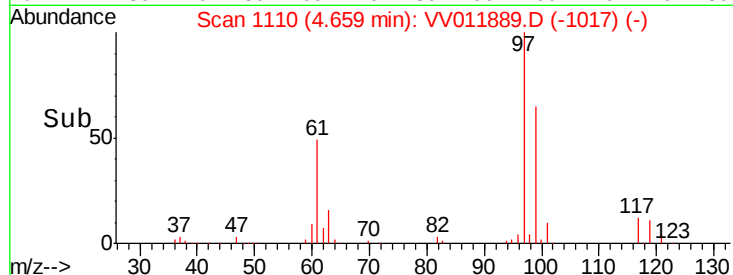
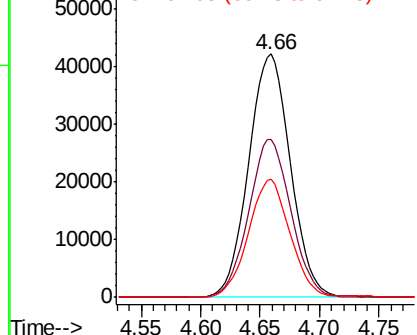
#29
 1,1,1-Trichloroethane
 Concen: 4.773 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00537

Tgt Ion: 97 Resp: 102425
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 48.6 35.8 53.8

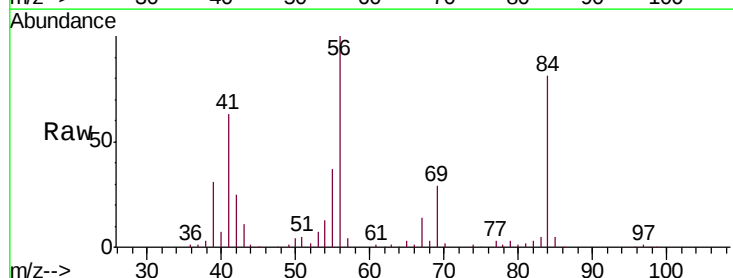


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

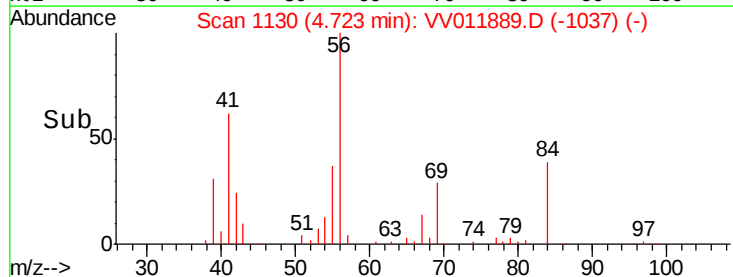
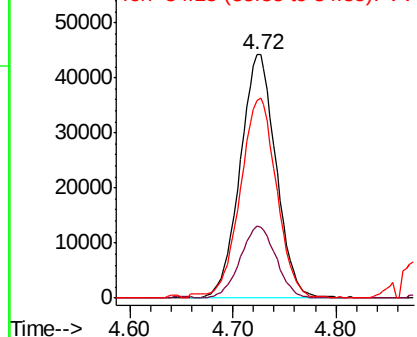


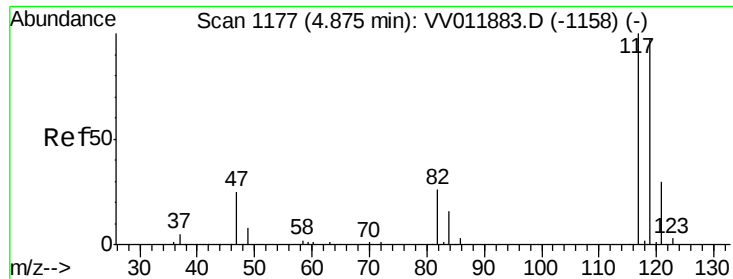
#30
 Cyclohexane
 Concen: 4.843 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion: 56 Resp: 106696
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.2 36.4
 84 81.8 69.6 104.4



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: 4.825 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

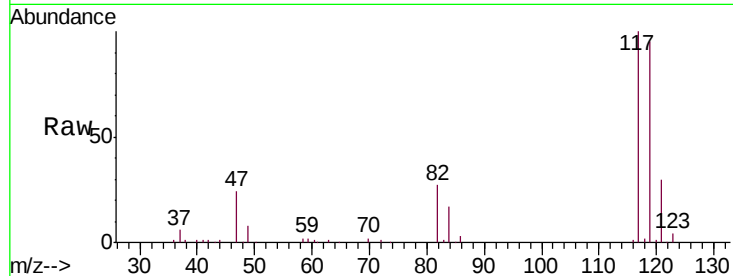
VSTD00537

Tgt Ion:117 Resp: 88530

Ion Ratio Lower Upper

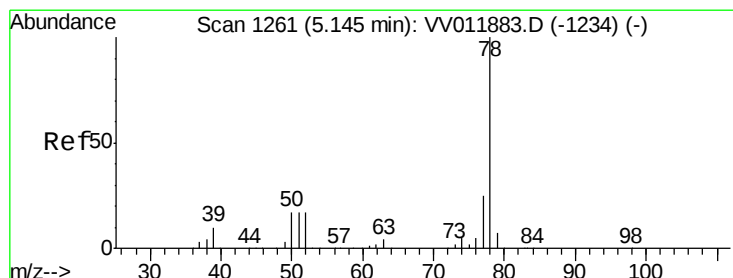
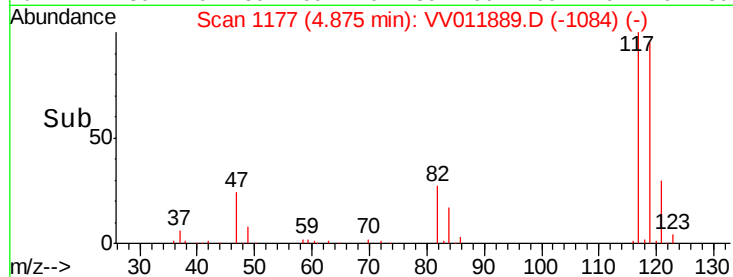
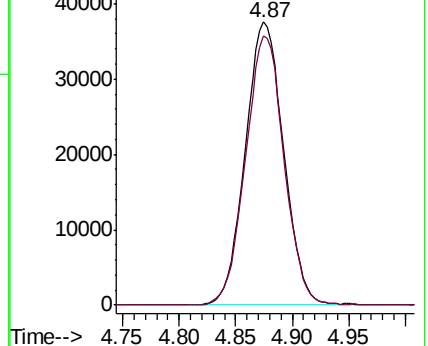
117 100

119 95.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.977 ug/L

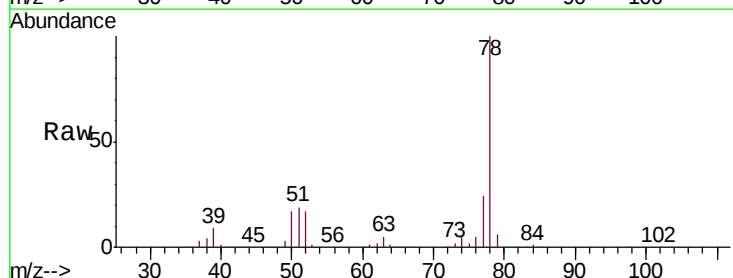
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

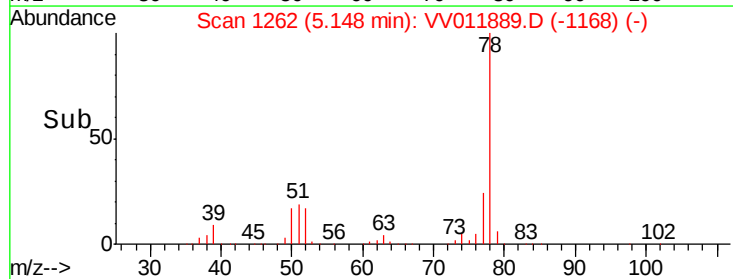
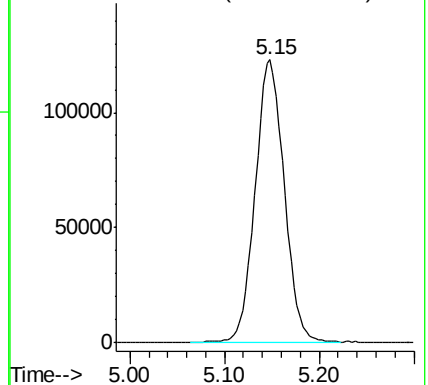
Lab File: VV011889.D

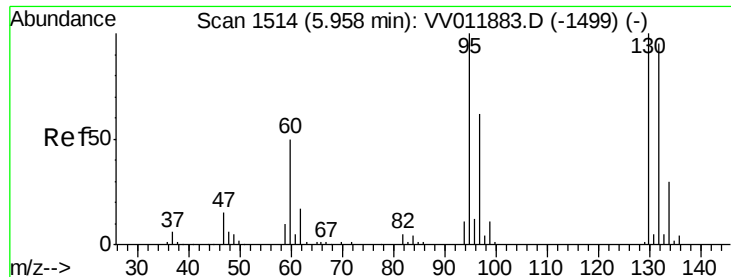
Acq: 15 Jul 2019 18:13

Tgt Ion: 78 Resp: 263741



Abundance Ion 78.10 (77.80 to 78.80): VV0

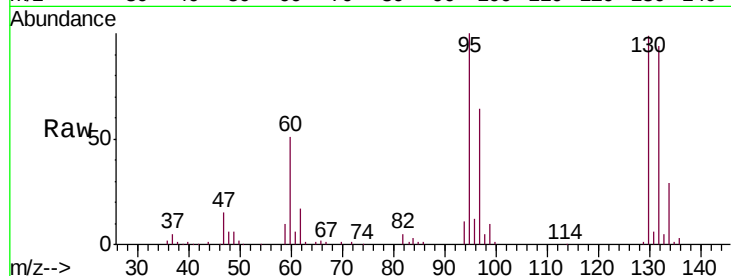




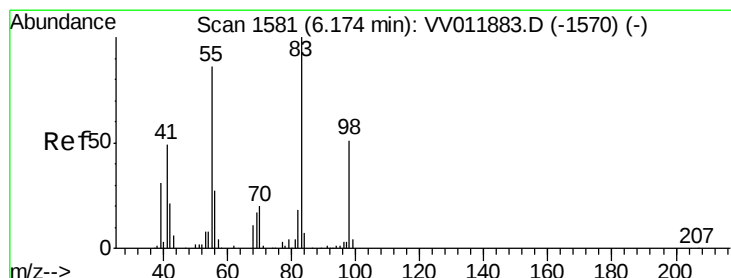
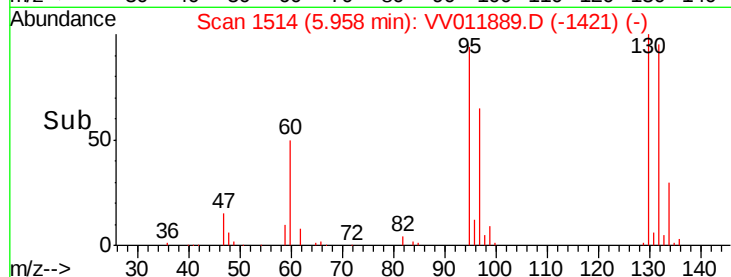
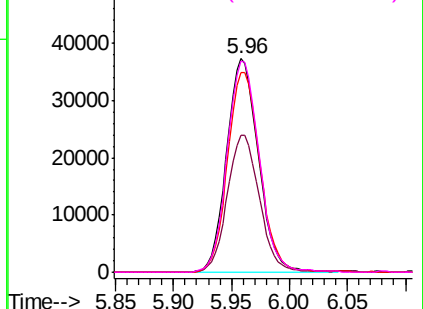
#34
 Trichloroethene
 Concen: 4.705 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion: 95 Resp: 71137
 Ion Ratio Lower Upper
 95 100
 97 64.3 43.2 80.2
 132 93.5 68.8 127.8
 130 99.0 71.7 133.1

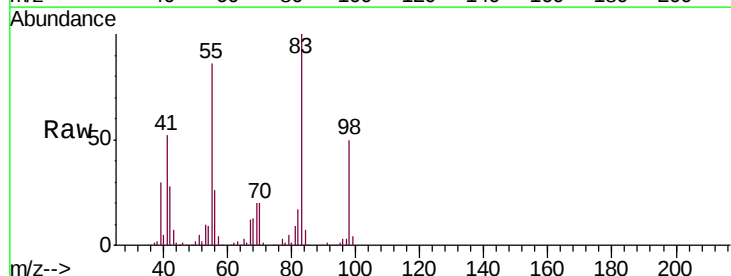


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

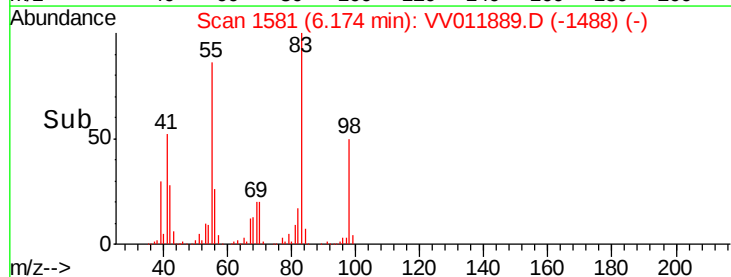
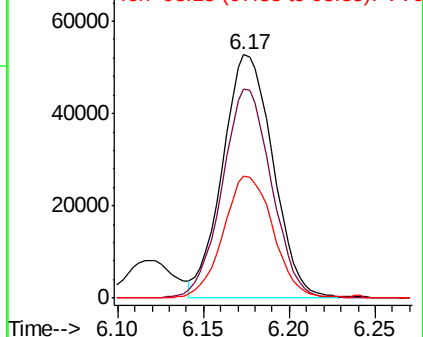


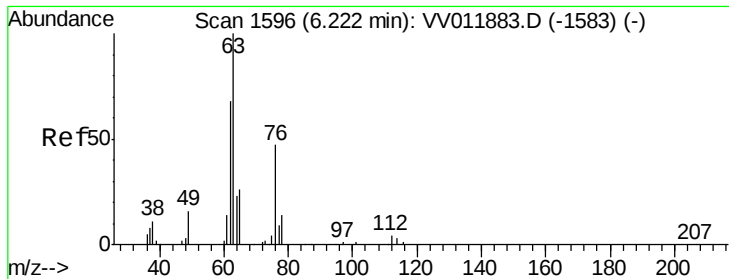
#35
 Methylcyclohexane
 Concen: 4.833 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion: 83 Resp: 107293
 Ion Ratio Lower Upper
 83 100
 55 84.4 63.6 95.4
 98 49.8 39.1 58.7



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: 4.937 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

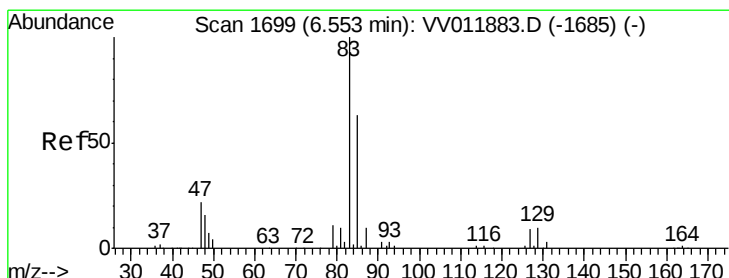
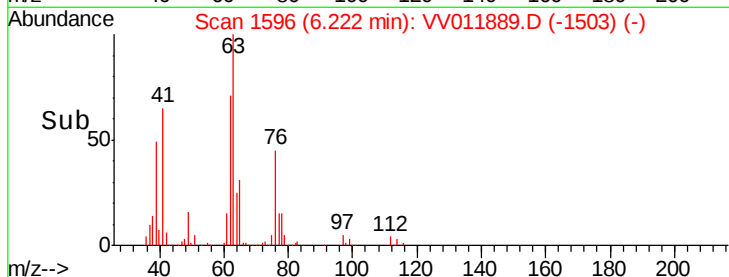
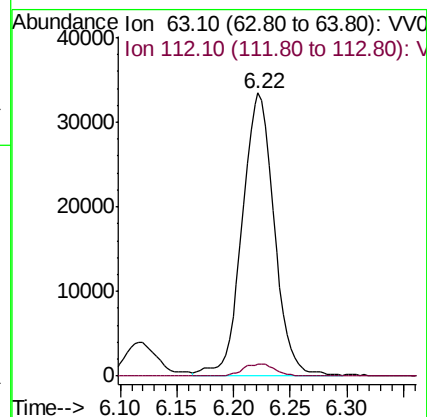
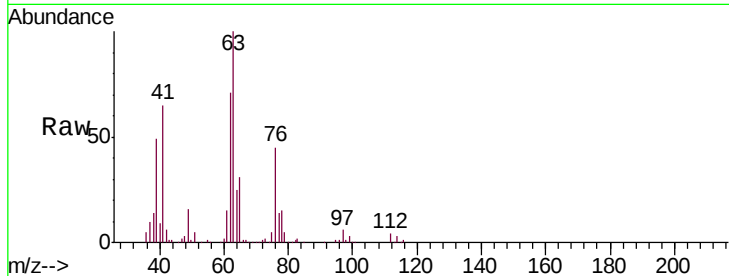
VSTD00537

Tgt Ion: 63 Resp: 65503

Ion Ratio Lower Upper

63 100

112 4.4 4.2 6.2



#38

Bromodichloromethane

Concen: 4.846 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

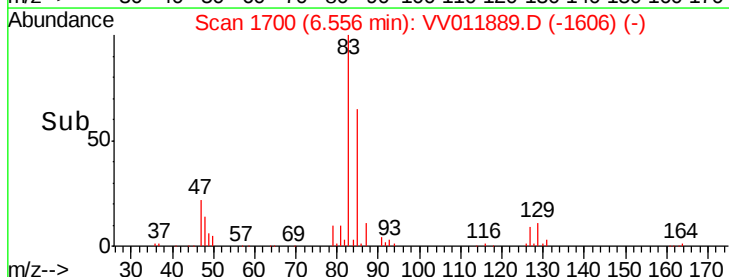
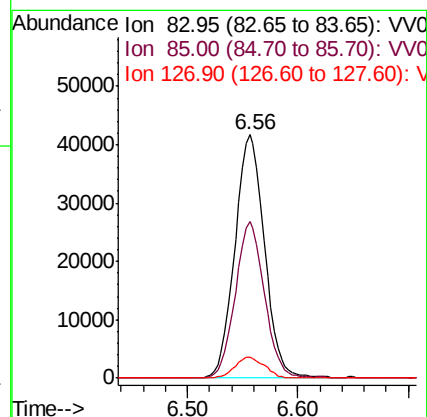
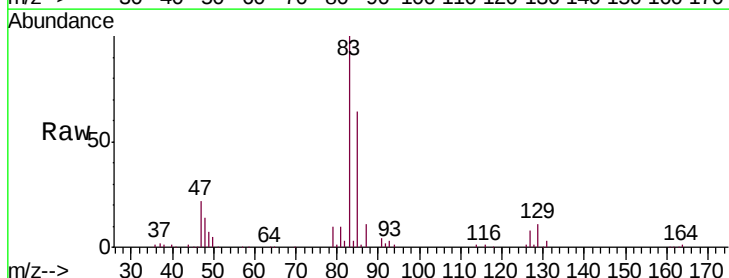
Tgt Ion: 83 Resp: 77786

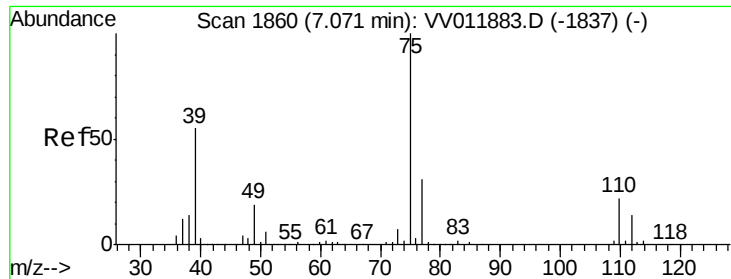
Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

127 8.5 7.4 11.0

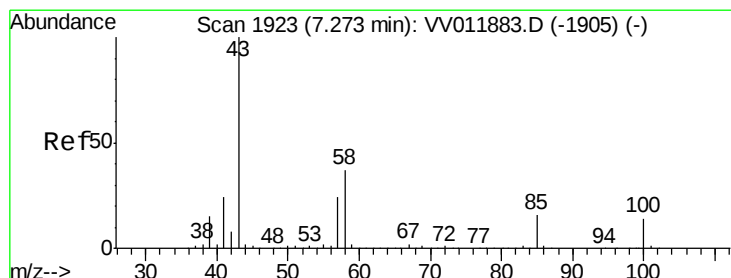
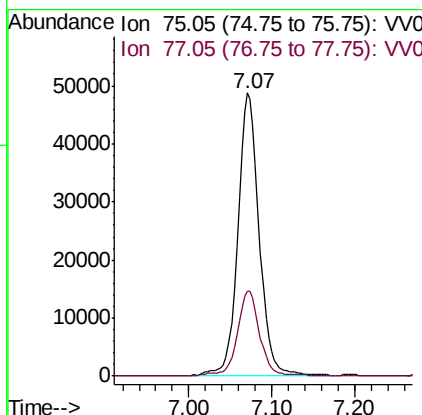
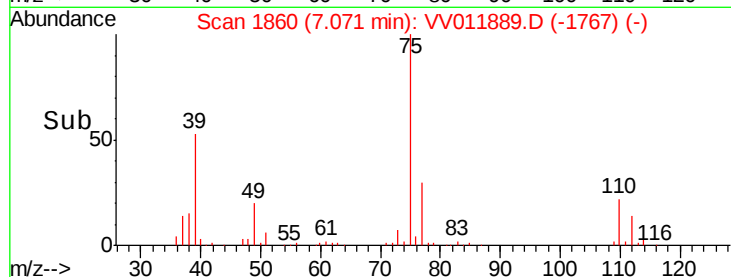
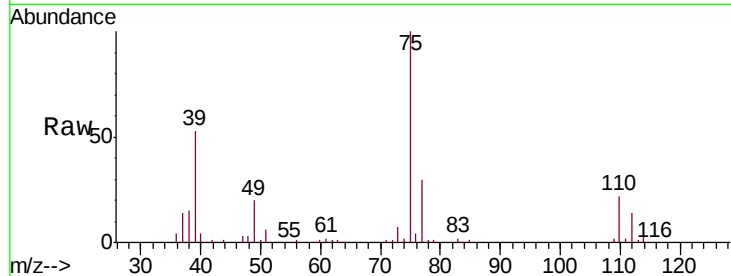




#39
 cis-1,3-Dichloropropene
 Concen: 4.859 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

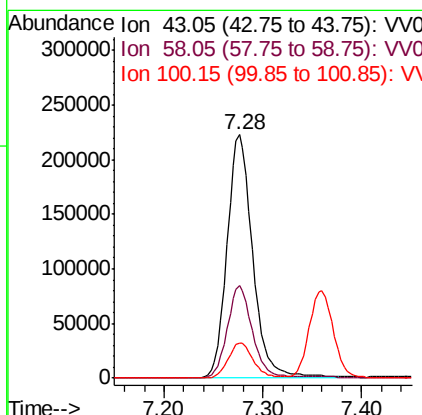
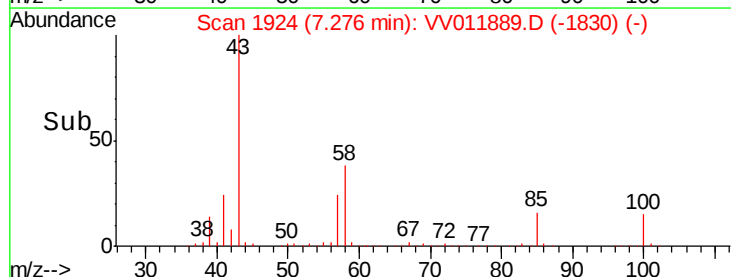
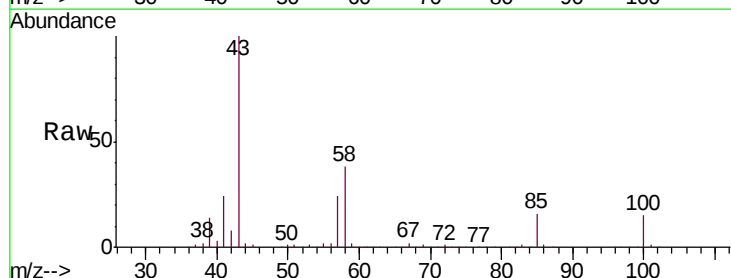
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

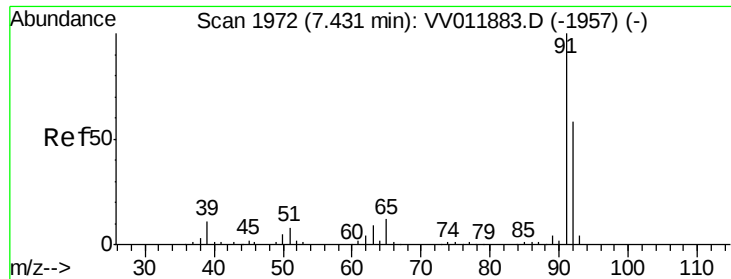
Tgt Ion: 75 Resp: 88312
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.569 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion: 43 Resp: 406689
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.1 43.7
 100 14.1 11.2 16.8





#42

Toluene

Concen: 5.028 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

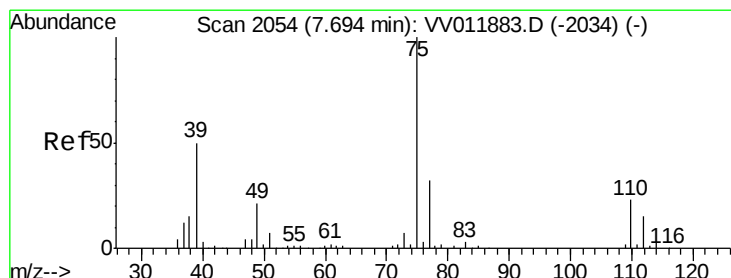
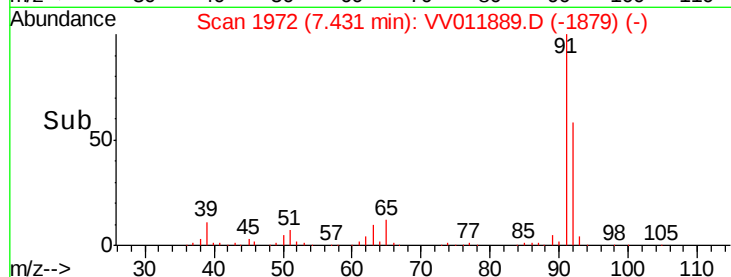
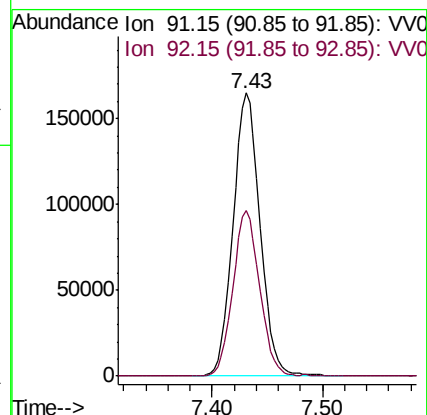
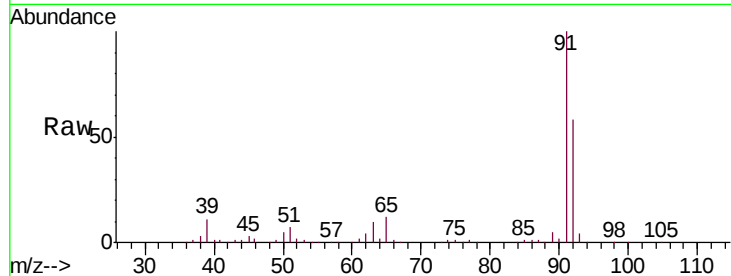
VSTD00537

Tgt Ion: 91 Resp: 279735

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.859 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011889.D

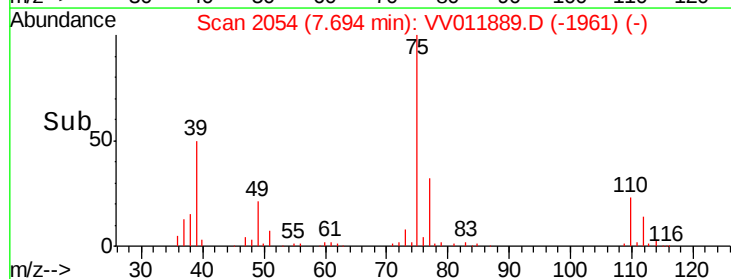
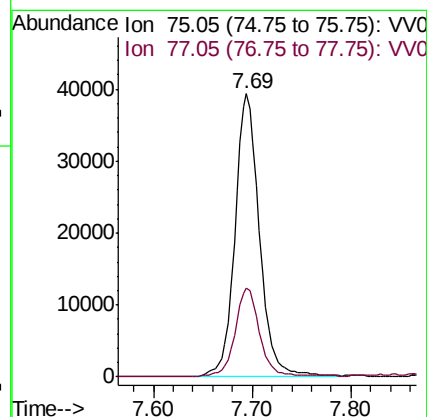
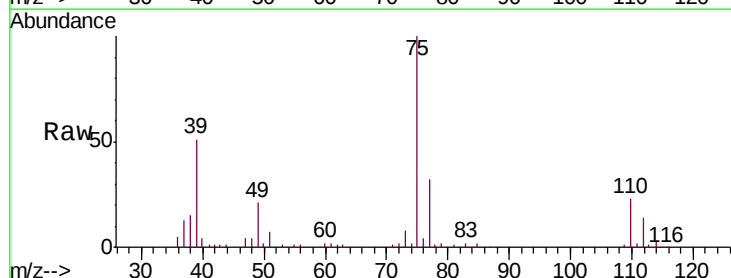
Acq: 15 Jul 2019 18:13

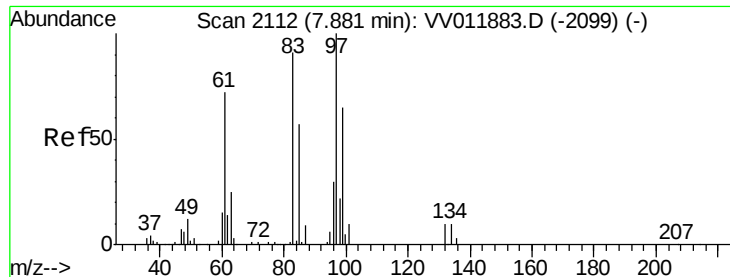
Tgt Ion: 75 Resp: 68448

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0

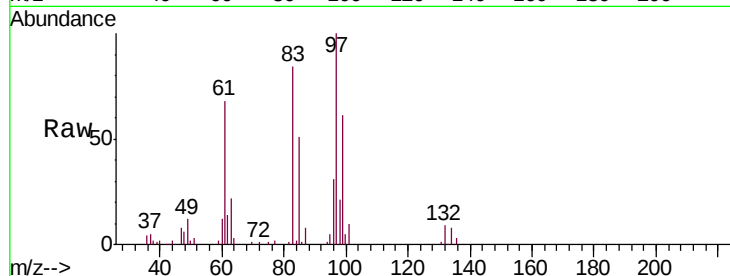




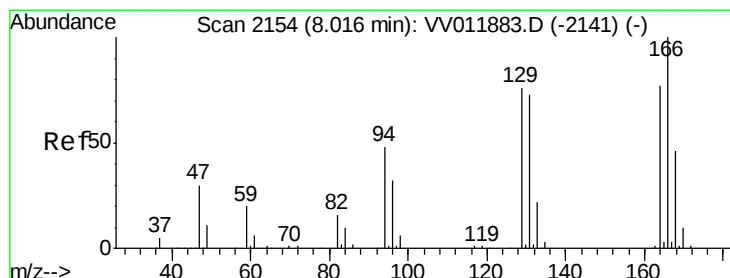
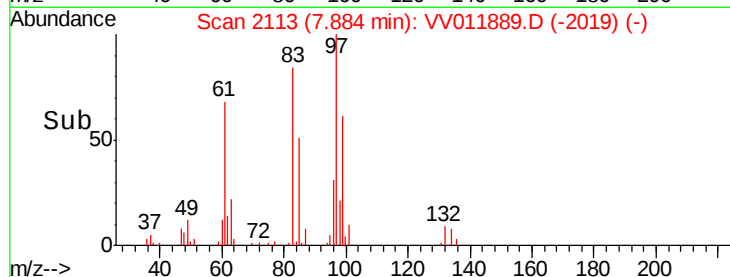
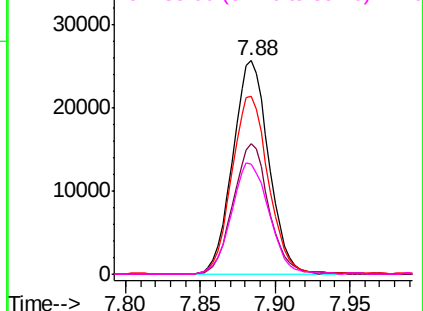
#45
 1,1,2-Trichloroethane
 Concen: 4.868 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:	97	Resp:	43238
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.2	78.4
83	83.5	58.4	108.6
85	51.3	36.3	67.5

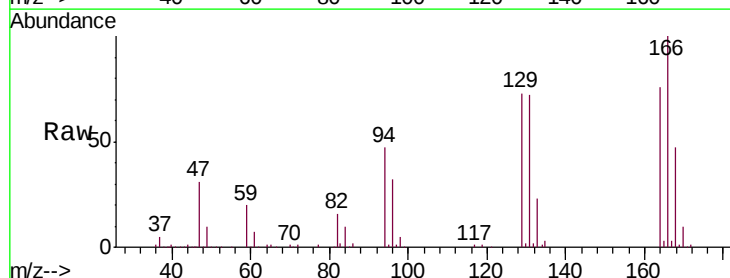


Abundance Ion 96.95 (96.65 to 97.65): VV011889.D (-2099) (-)
 Ion 99.05 (98.75 to 99.75): VV011889.D (-2099) (-)
 Ion 82.95 (82.65 to 83.65): VV011889.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV011889.D (-2099) (-)

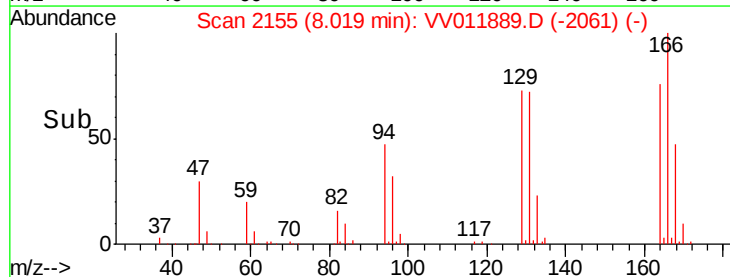
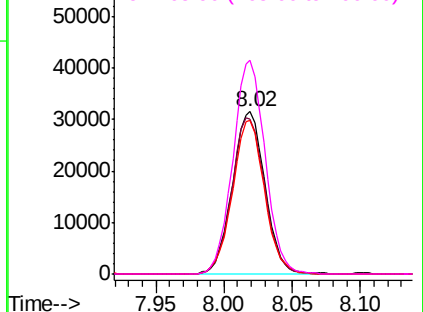


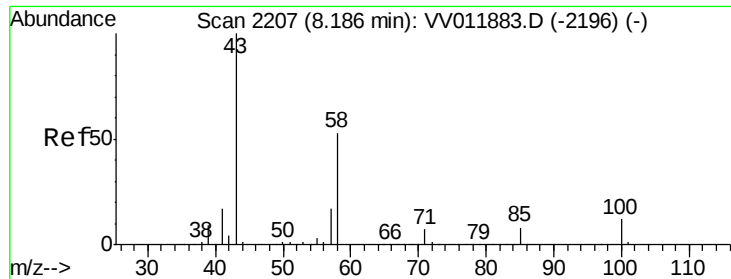
#47
 Tetrachloroethene
 Concen: 4.696 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion:	164	Resp:	52299
Ion	Ratio	Lower	Upper
164	100		
129	95.5	66.1	122.8
131	95.0	64.8	120.4
166	131.6	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VV011889.D (-2141) (-)
 Ion 128.95 (128.65 to 129.65): VV011889.D (-2141) (-)
 Ion 130.95 (130.65 to 131.65): VV011889.D (-2141) (-)
 Ion 165.90 (165.60 to 166.60): VV011889.D (-2141) (-)

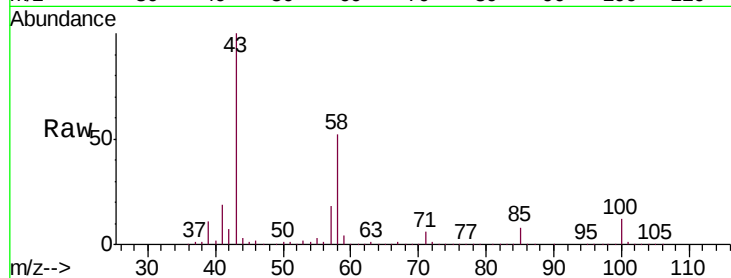




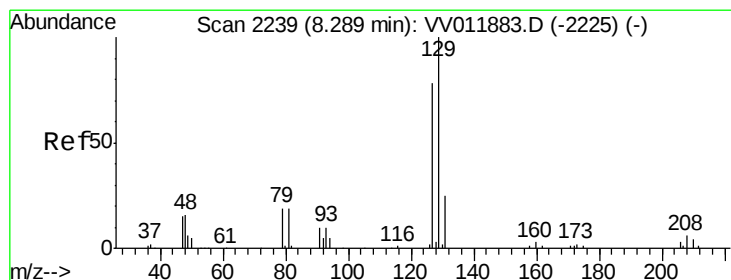
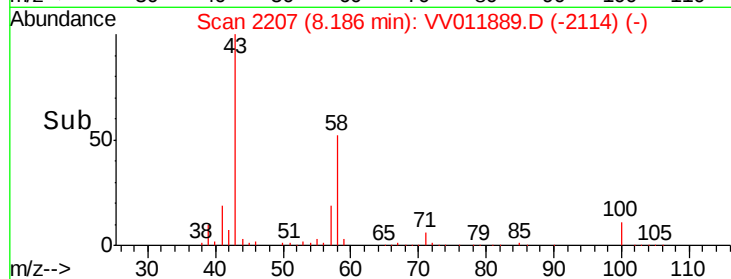
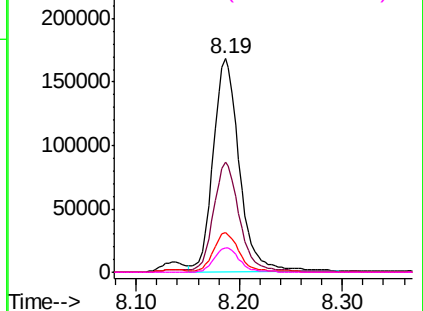
#48
2-Hexanone
Concen: 51.852 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion:	43	Resp:	293738
Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.6	61.0
57	18.3	14.4	21.6
100	11.4	8.8	13.2

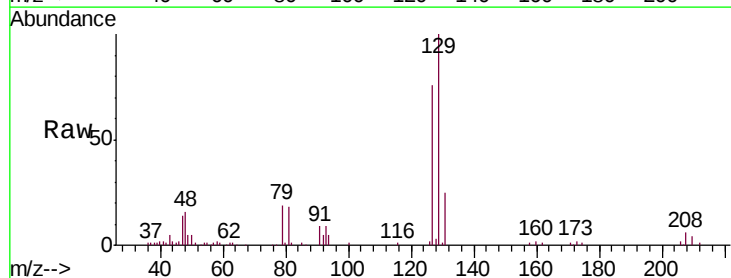


Abundance Ion 43.05 (42.75 to 43.75): VV011889.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV011889.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV011889.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV011889.D (-2114) (-)

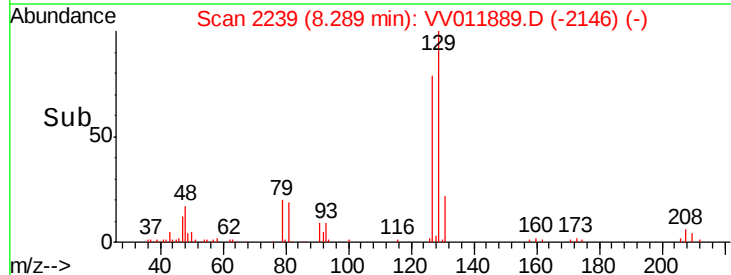
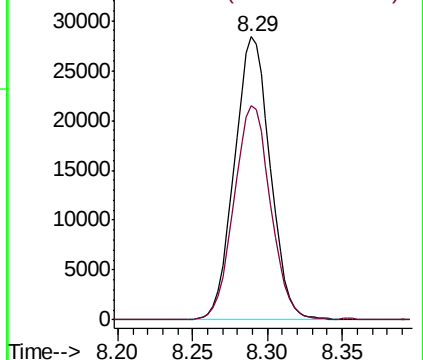


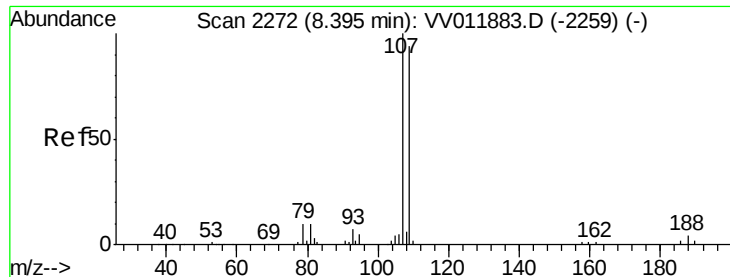
#49
Dibromochloromethane
Concen: 4.836 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion:	129	Resp:	47233
Ion	Ratio	Lower	Upper
129	100		
127	75.6	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV011889.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011889.D (-2146) (-)

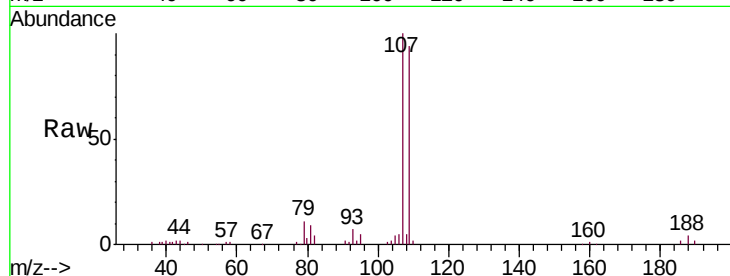




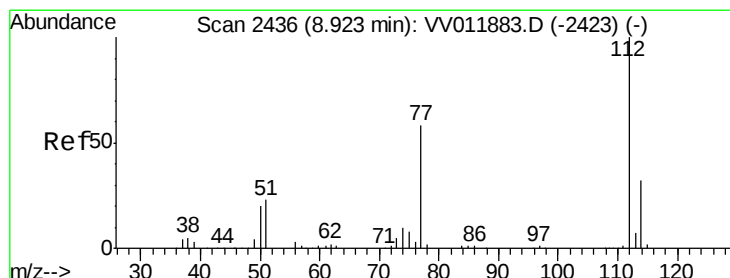
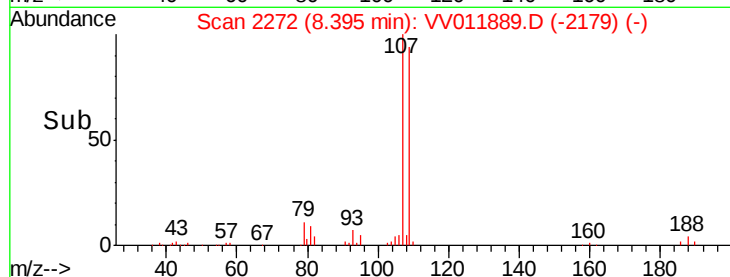
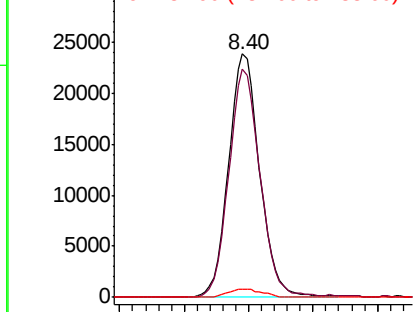
#50
1,2-Dibromoethane
Concen: 4.860 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Tgt Ion:107 Resp: 39854
Ion Ratio Lower Upper
107 100
109 93.7 65.7 122.1
188 3.5 3.0 4.6

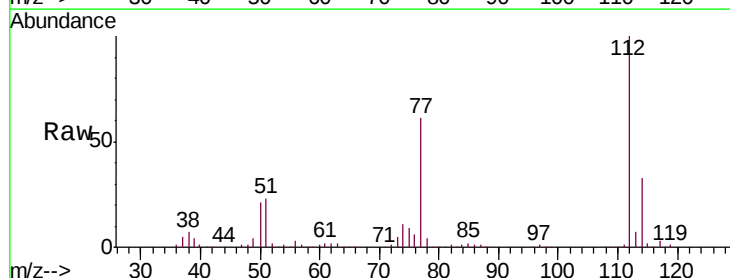


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

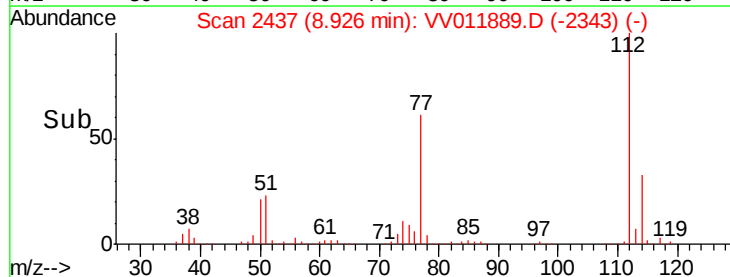
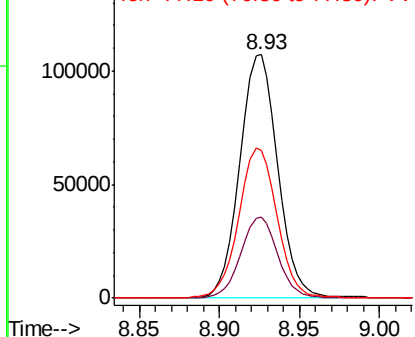


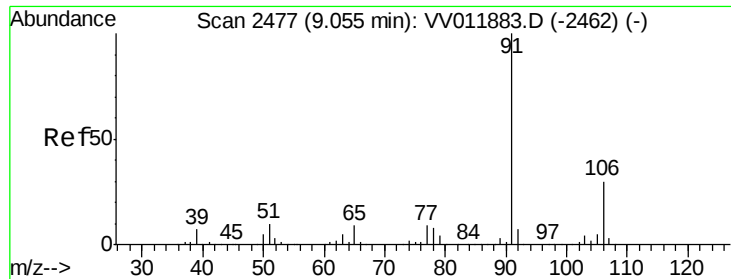
#51
Chlorobenzene
Concen: 4.821 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion:112 Resp: 173477
Ion Ratio Lower Upper
112 100
114 33.2 22.1 41.1
77 60.6 47.4 71.0



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): V

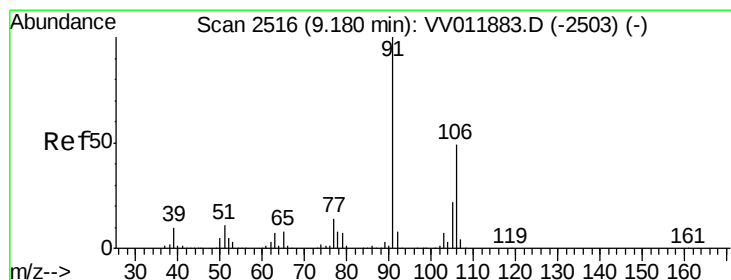
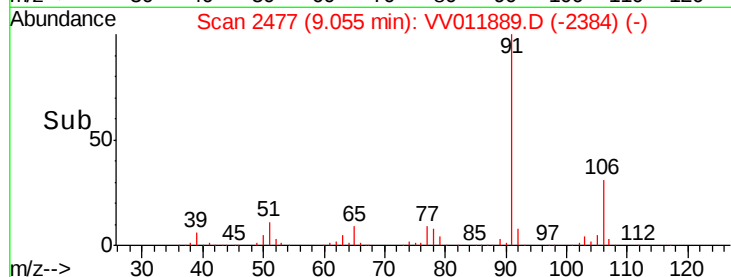
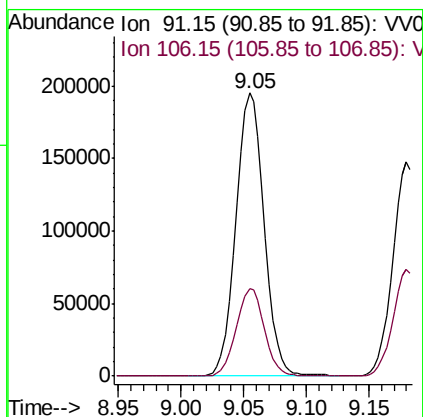
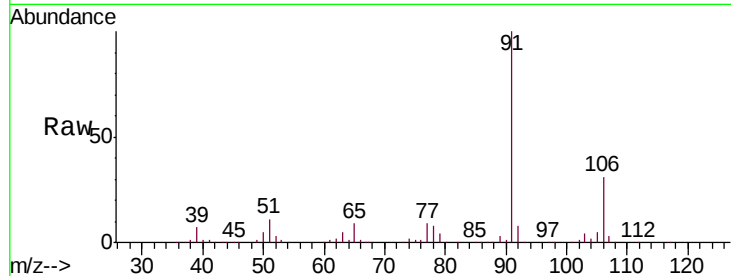




#52
Ethylbenzene
Concen: 4.952 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

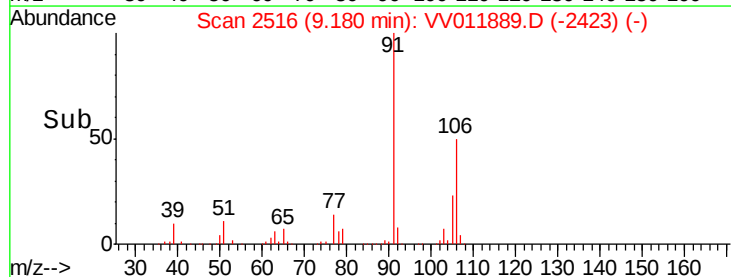
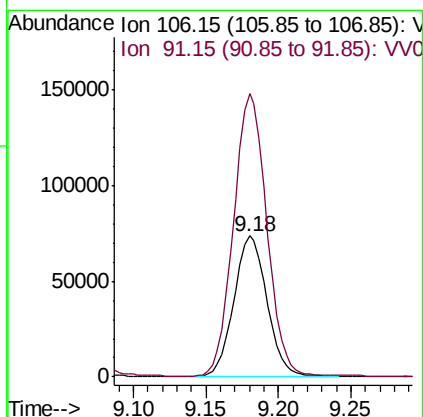
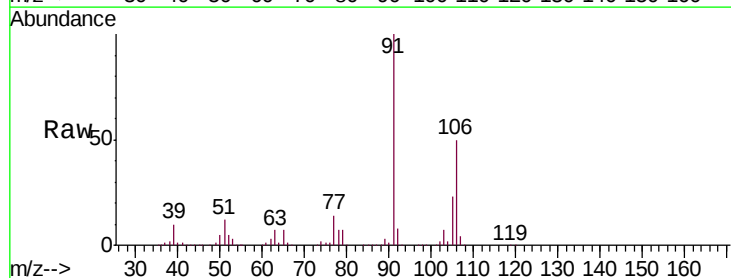
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

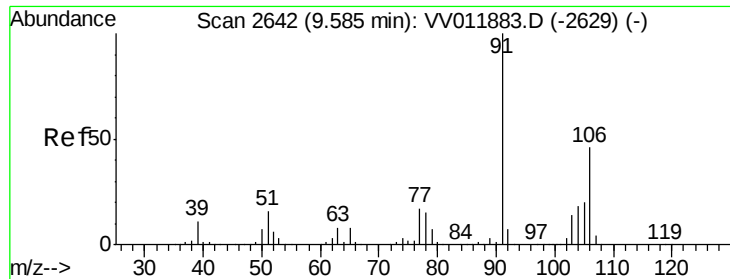
Tgt Ion: 91 Resp: 304406
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.2



#53
m,p-xylene
Concen: 5.170 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011889.D
Acq: 15 Jul 2019 18:13

Tgt Ion: 106 Resp: 117292
Ion Ratio Lower Upper
106 100
91 200.9 145.0 269.2





#54

o-xylene

Concen: 5.061 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

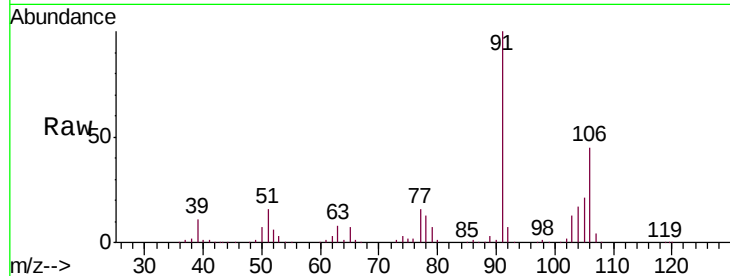
VSTD00537

Tgt Ion:106 Resp: 109484

Ion Ratio Lower Upper

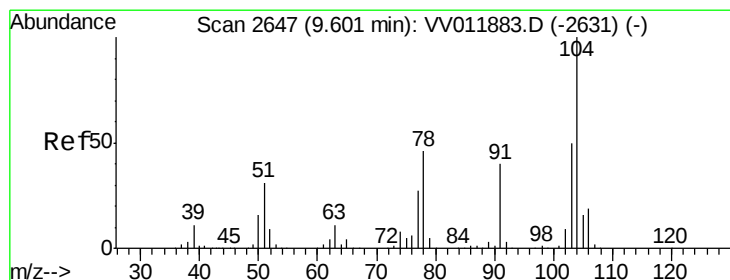
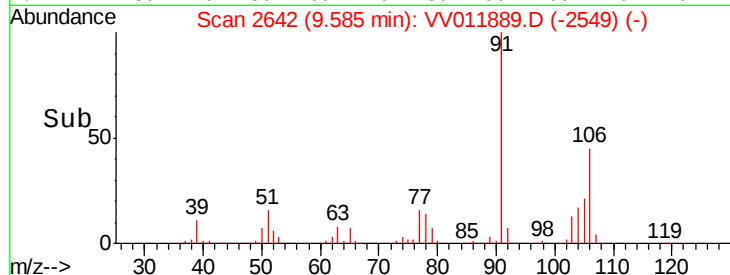
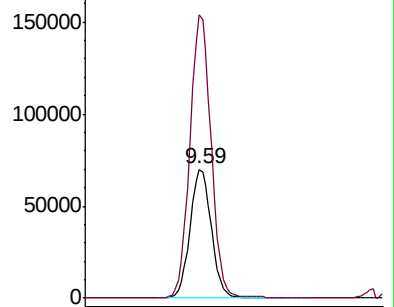
106 100

91 220.3 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.176 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011889.D

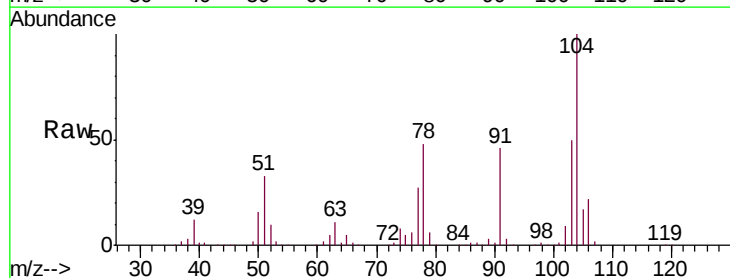
Acq: 15 Jul 2019 18:13

Tgt Ion:104 Resp: 188880

Ion Ratio Lower Upper

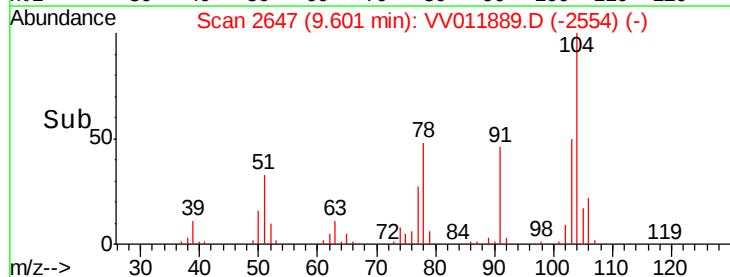
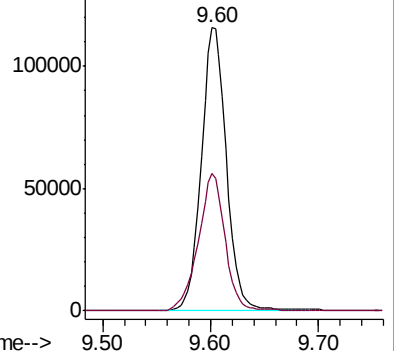
104 100

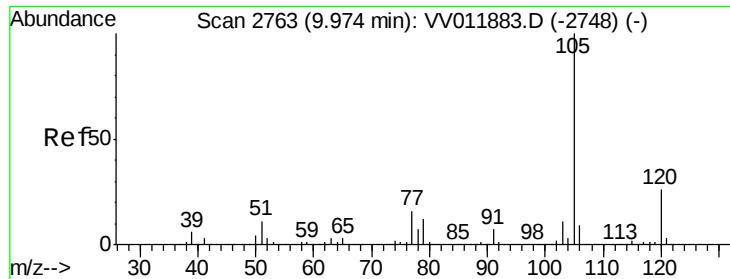
78 48.4 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.018 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

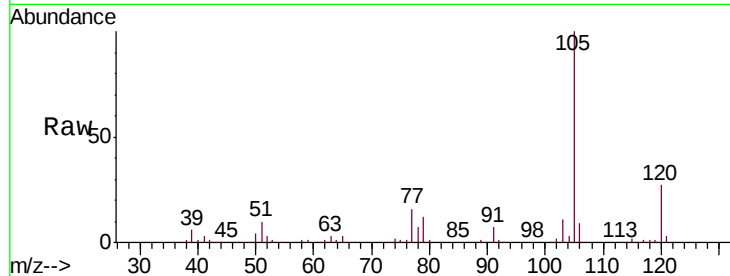
Tgt Ion: 105 Resp: 296177

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

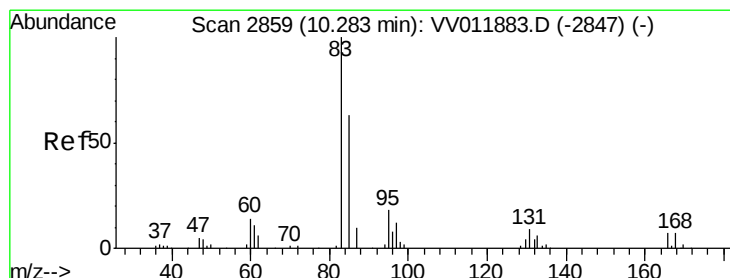
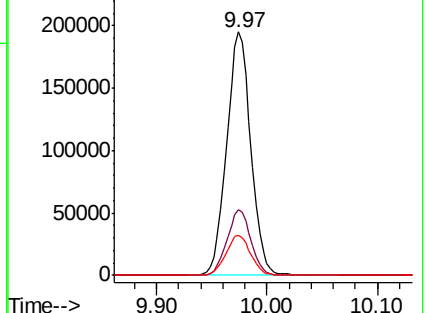
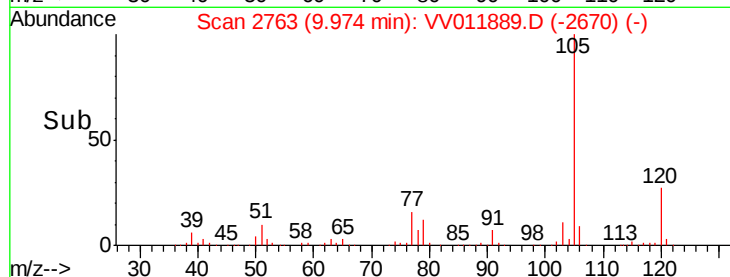
77 16.9 13.2 19.8



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: 4.867 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

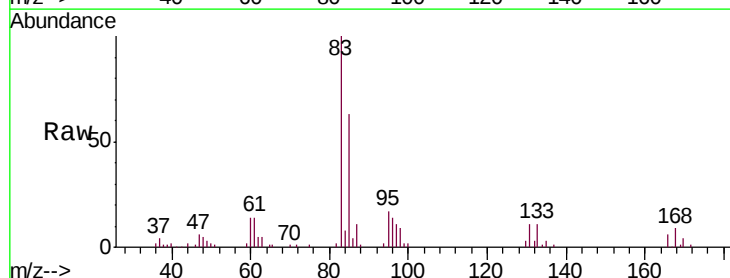
Tgt Ion: 83 Resp: 42610

Ion Ratio Lower Upper

83 100

85 62.8 45.0 83.6

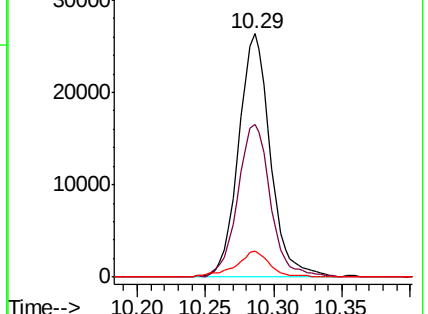
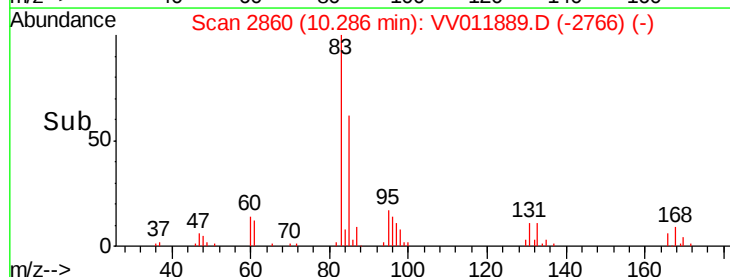
131 10.5 8.3 12.5

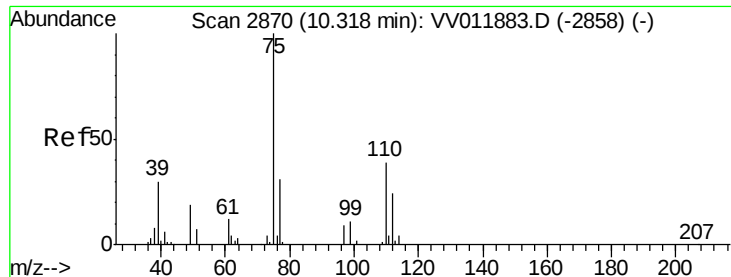


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

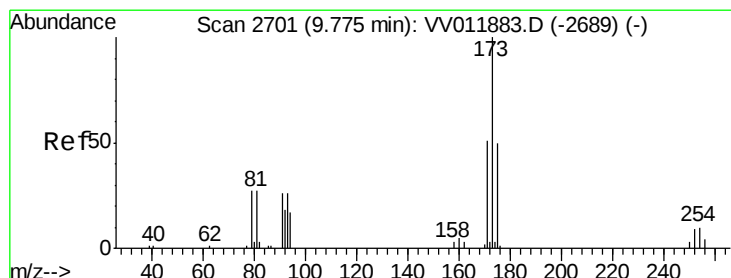
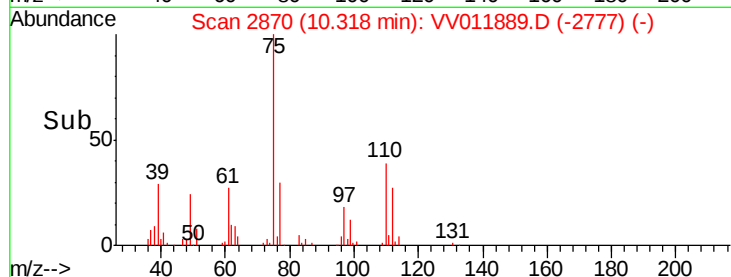
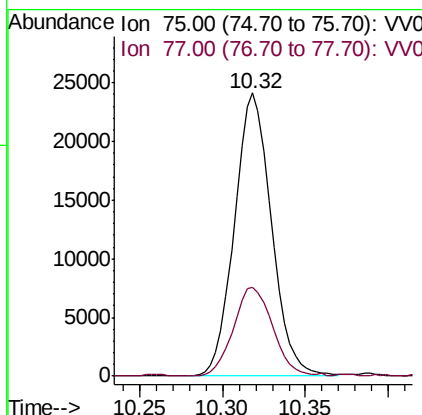
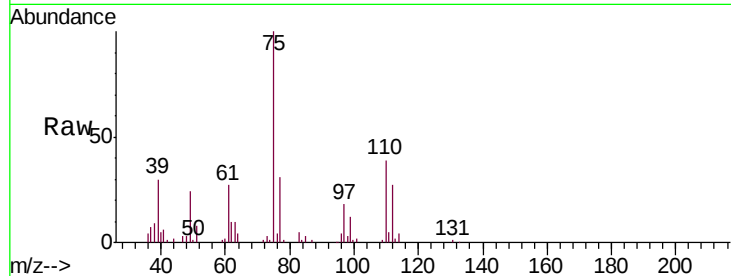




#59
 1,2,3-Trichloropropane
 Concen: 4.749 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

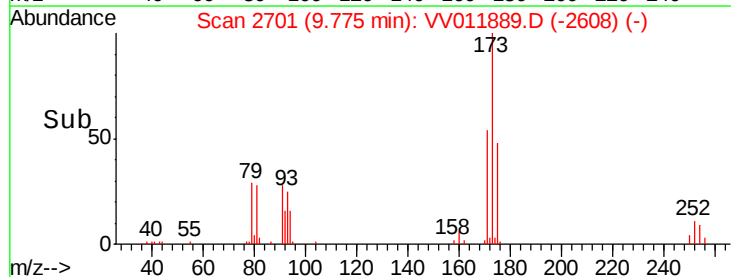
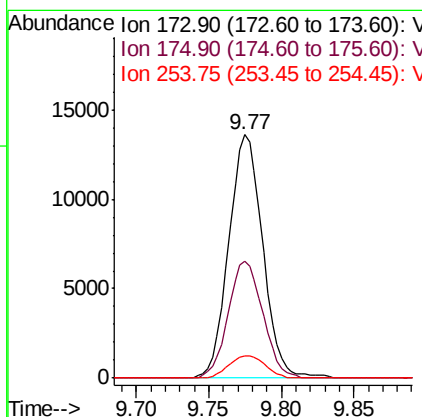
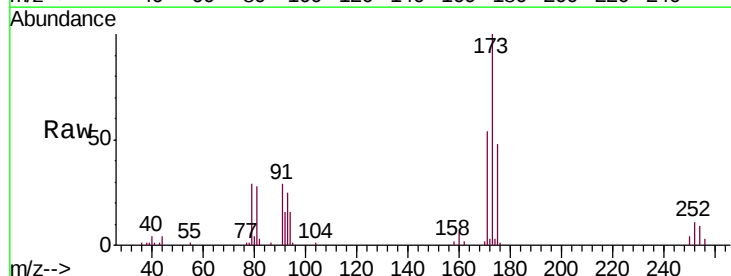
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00537

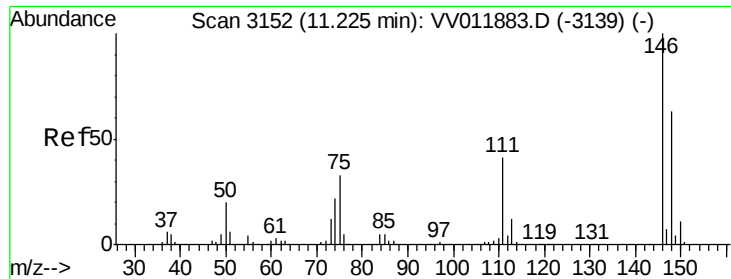
Tgt Ion: 75 Resp: 37464
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.6



#61
 Bromoform
 Concen: 4.861 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion: 173 Resp: 22162
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.4 59.0
 254 9.7 7.4 11.0

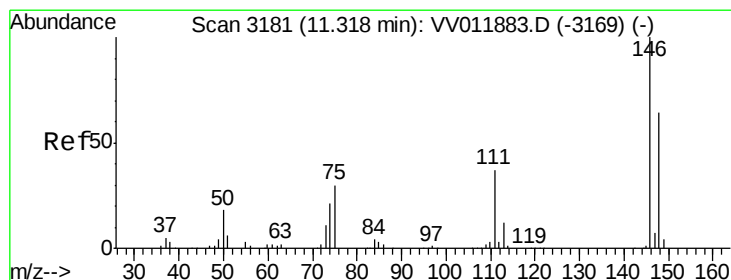
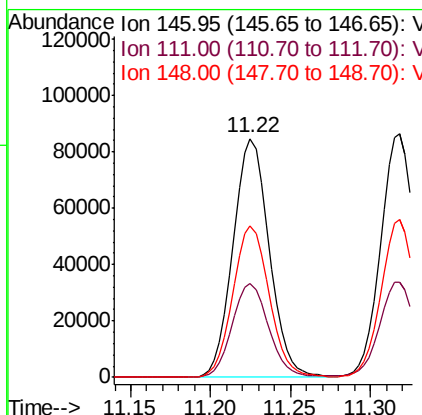
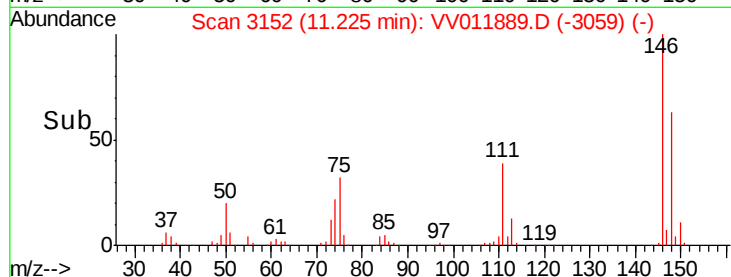
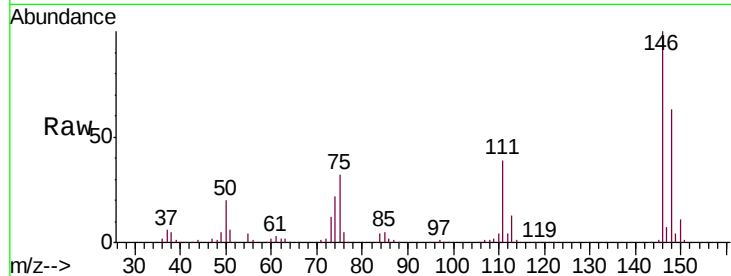




#62
 1,3-Dichlorobenzene
 Concen: 4.924 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

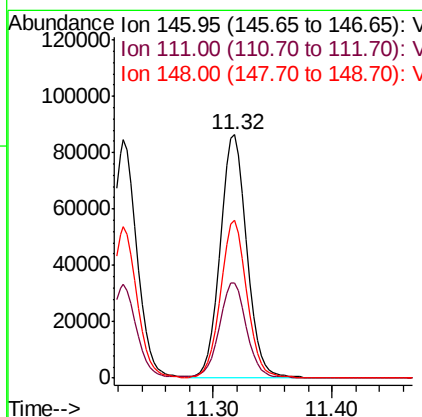
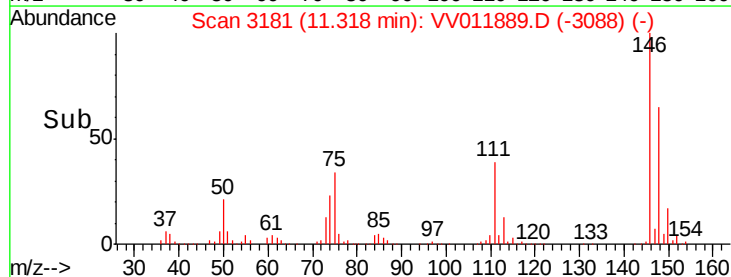
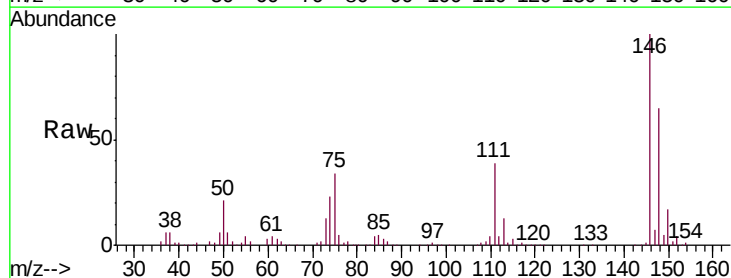
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

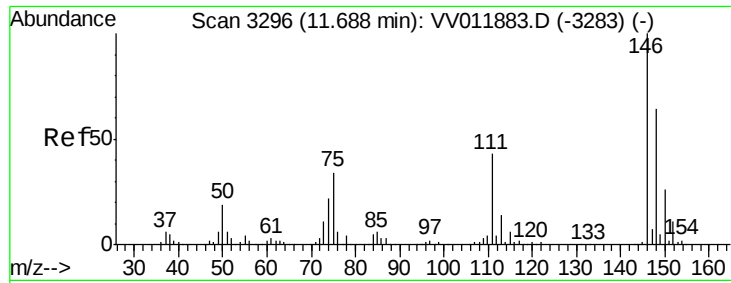
Tgt Ion:146 Resp: 130518
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.8 53.4
 148 63.4 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 4.869 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion:146 Resp: 133632
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.6 49.4
 148 65.0 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 4.940 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

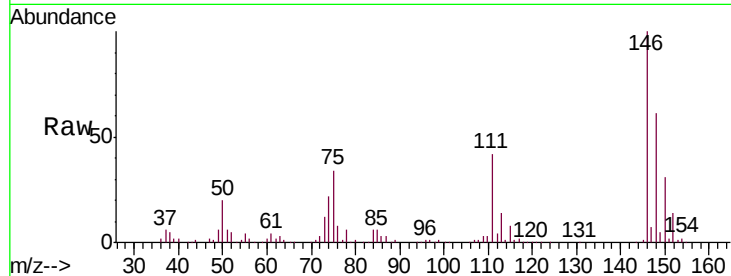
Tgt Ion:146 Resp: 123903

Ion Ratio Lower Upper

146 100

111 42.3 34.7 52.1

148 60.8 51.4 77.0

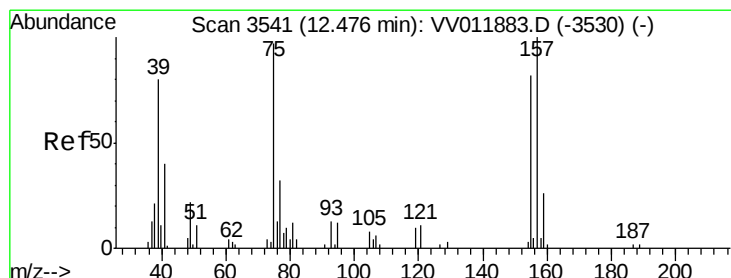
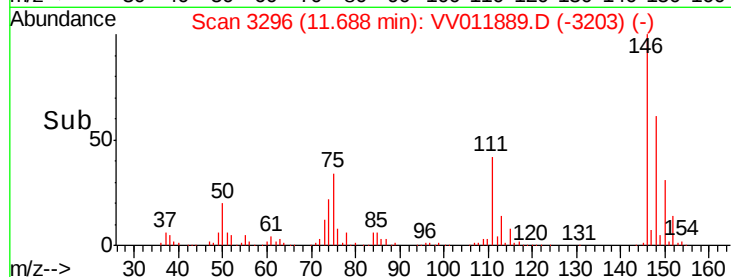
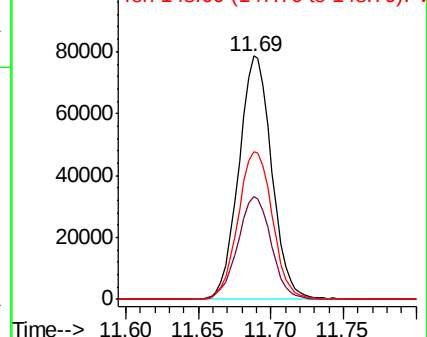


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.510 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

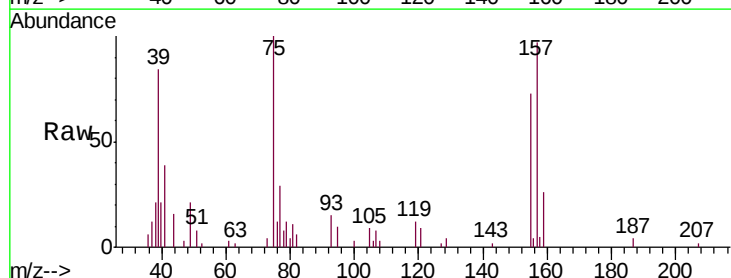
Tgt Ion: 75 Resp: 6954

Ion Ratio Lower Upper

75 100

155 73.3 68.7 103.1

157 96.8 80.2 120.2

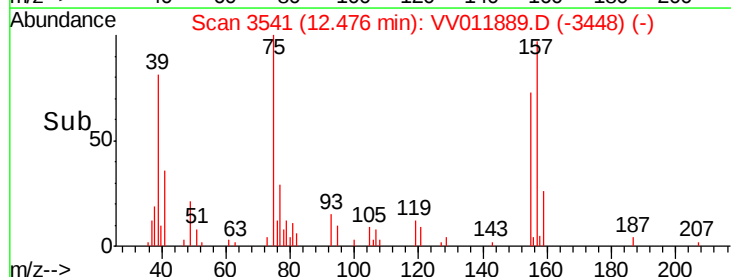
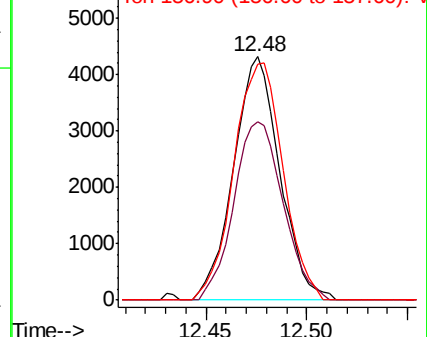


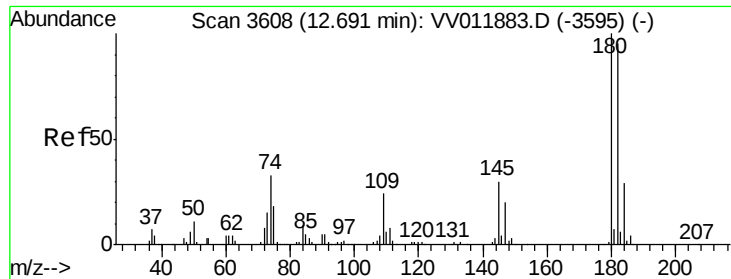
Abundance

Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

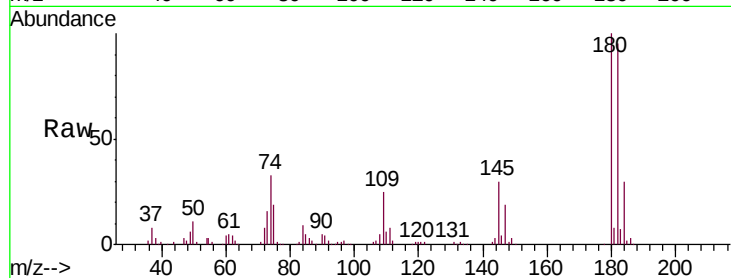




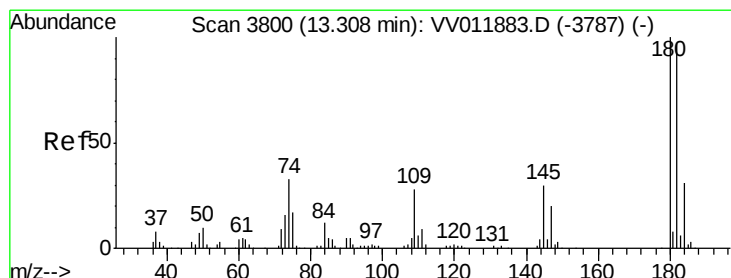
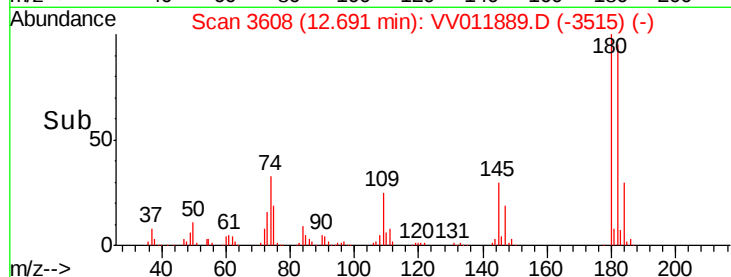
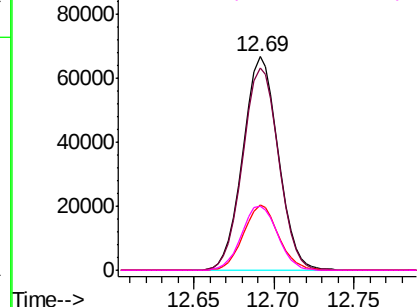
#67
 1,3,5-Trichlorobenzene
 Concen: 4.822 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:180 Resp: 100472
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.0 112.6
 184 30.1 24.5 36.7
 145 30.4 23.8 35.6

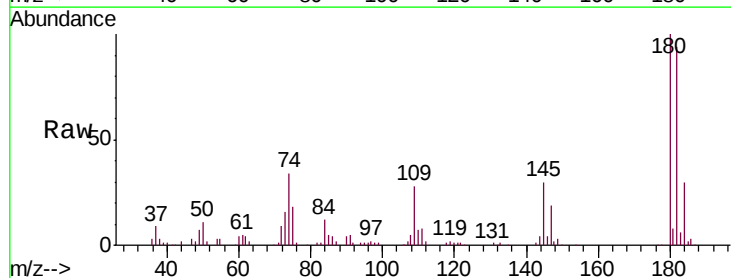


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

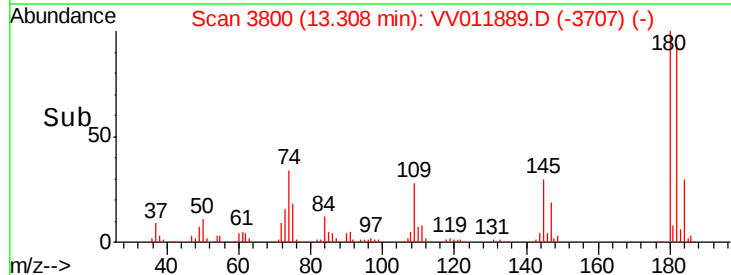
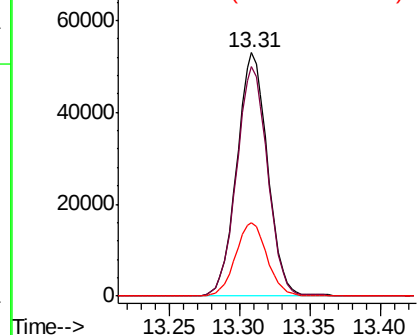


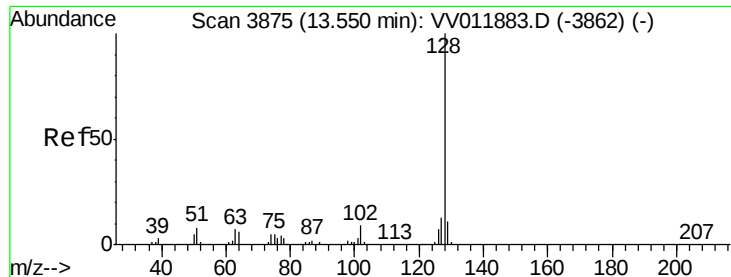
#68
 1,2,4-trichlorobenzene
 Concen: 4.911 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011889.D
 Acq: 15 Jul 2019 18:13

Tgt Ion:180 Resp: 81020
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.9 113.9
 145 30.6 24.5 36.7



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





#69

Naphthalene

Concen: 4.977 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

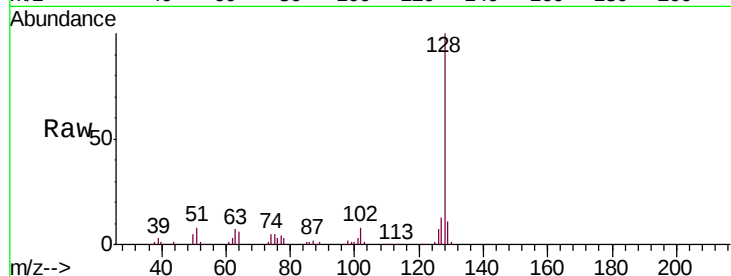
Tgt Ion:128 Resp: 121272

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

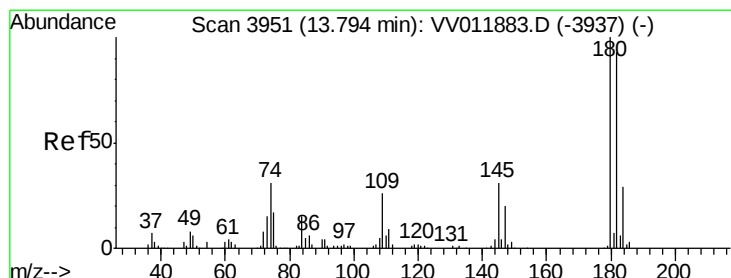
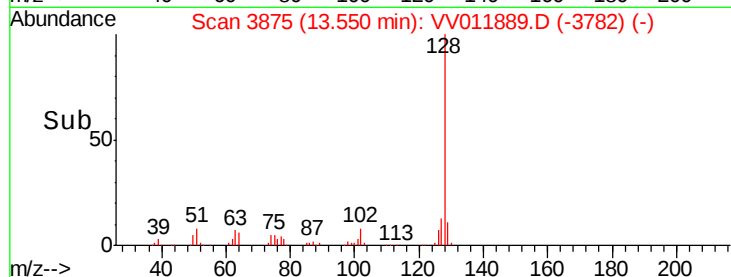
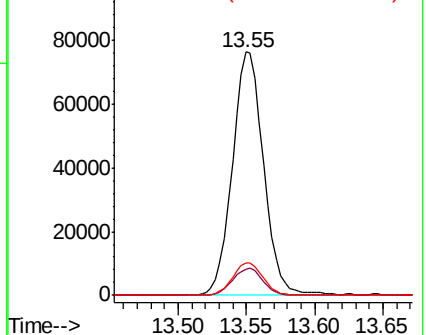
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.027 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011889.D

Acq: 15 Jul 2019 18:13

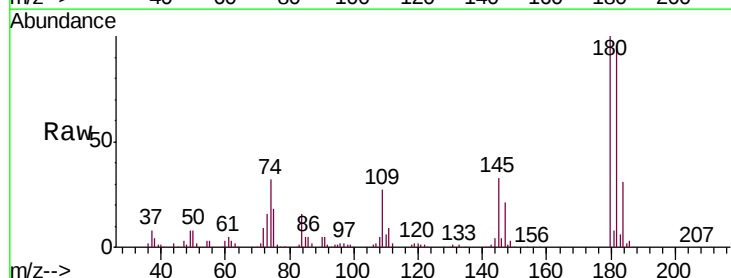
Tgt Ion:180 Resp: 75312

Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.6

145 32.6 25.9 38.9



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

