

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092820\
 Data File : VV018506.D
 Acq On : 28 Sep 2020 20:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Quant Time: Sep 29 00:54:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 00:50:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	344300	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330716	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115855	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.58%
7) Chloroethane-d5	1.58	69	97301	42.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	2.12	63	221772	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
21) 2-Butanone-d5	3.92	46	170886	99.50	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.50%
24) Chloroform-d	4.38	84	219178	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	5.06	65	137046	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.84%
32) Benzene-d6	5.08	84	428105	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
36) 1,2-Dichloropropane-d6	6.09	67	137435	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.38%
41) Toluene-d8	7.34	98	389298	45.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.24%
43) trans-1,3-Dichloropropene-	7.64	79	69291	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.11	63	115614	101.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183405	48.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	164034	45.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	116597	46.442	ug/L 100
3) Chloromethane	1.25	50	132063	48.173	ug/L 100
5) Vinyl chloride	1.32	62	138801	49.374	ug/L 99
6) Bromomethane	1.53	94	84620	49.248	ug/L 98
8) Chloroethane	1.60	64	89379	50.754	ug/L 99
9) Trichlorofluoromethane	1.76	101	190367	49.217	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	117843	50.721	ug/L 100
12) 1,1-Dichloroethene	2.13	96	116159	51.383	ug/L 94
13) Acetone	2.20	43	121579	88.405	ug/L 100
14) Carbon disulfide	2.31	76	301917	43.645	ug/L 99
15) Methyl Acetate	2.45	43	134057	54.242	ug/L 98
16) Methylene chloride	2.52	84	136271	53.748	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	120881	51.885	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	402064	55.789	ug/L 99
19) 1,1-Dichloroethane	3.21	63	233490	53.006	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	136887	54.964	ug/L 93
22) 2-Butanone	4.00	43	184726	113.434	ug/L 98

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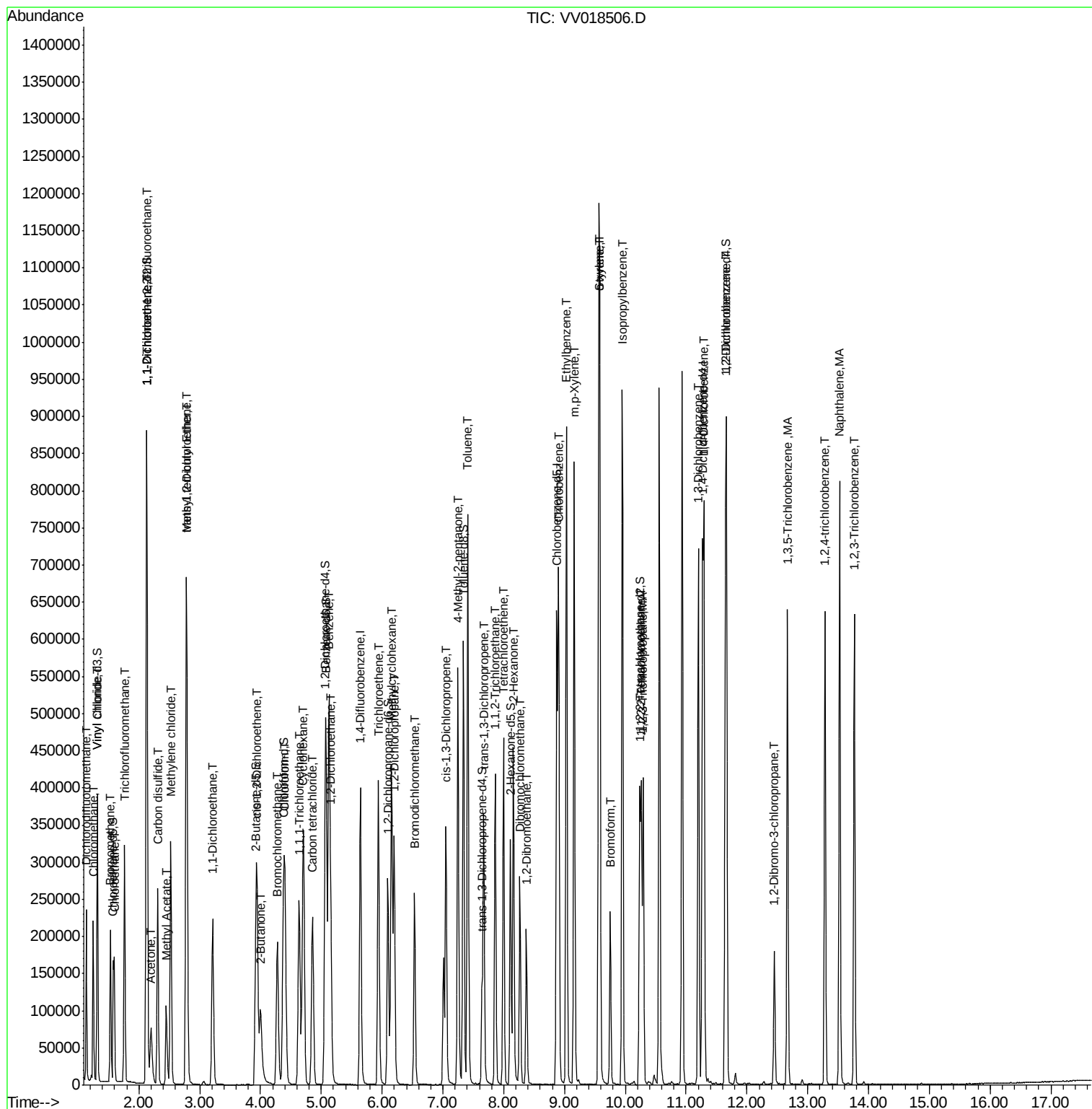
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	69999	53.720	uq/L	97
25) Chloroform	4.40	83	237210	52.977	uq/L	99
27) 1,2-Dichloroethane	5.16	62	179704	51.842	uq/L	98
29) Cyclohexane	4.70	56	197643	51.754	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	205775	53.614	uq/L	100
31) Carbon tetrachloride	4.86	117	173753	51.485	uq/L	99
33) Benzene	5.13	78	517560	54.736	uq/L	100
34) Trichloroethene	5.94	95	142369	55.272	uq/L	99
35) Methylcyclohexane	6.16	83	185779	47.903	uq/L	98
37) 1,2-Dichloropropane	6.20	63	137045	54.695	uq/L	99
38) Bromodichloromethane	6.53	83	173849	53.317	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	212623	55.076	uq/L	100
40) 4-Methyl-2-pentanone	7.25	43	362614	119.292	uq/L	98
42) Toluene	7.41	91	556430	55.607	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	204889	54.508	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	130021	55.986	uq/L	99
46) Tetrachloroethene	8.00	164	106664	52.814	uq/L	100
48) 2-Hexanone	8.16	43	280158	116.905	uq/L	99
49) Dibromochloromethane	8.27	129	141110	54.131	uq/L	99
50) 1,2-Dibromoethane	8.37	107	137875	56.409	uq/L	99
51) Chlorobenzene	8.90	112	362169	55.731	uq/L	98
52) Ethylbenzene	9.03	91	611545	55.978	uq/L	99
53) m,p-Xylene	9.16	106	230992	56.648	uq/L	97
54) o-xylene	9.56	106	226010	57.532	uq/L	100
55) Styrene	9.58	104	395953	57.989	uq/L	99
56) Isopropylbenzene	9.95	105	595509	56.247	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	191653	55.788	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	166992	56.664	uq/L	99
61) Bromoform	9.75	173	104231	55.708	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	291535	56.293	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	296178	55.639	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	290799	55.553	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42692	57.794	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	200971	49.224	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	195717	53.832	uq/L	99
69) Naphthalene	13.52	128	617272	67.099	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	197160	55.059	uq/L	100

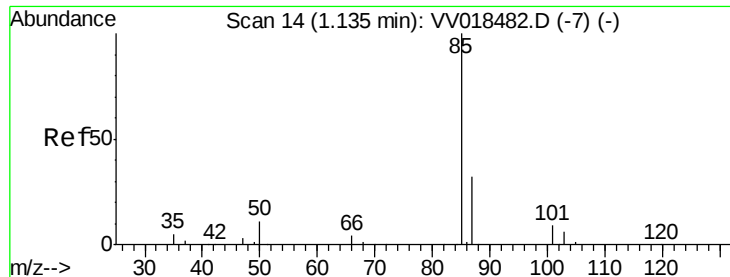
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.442 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampled :

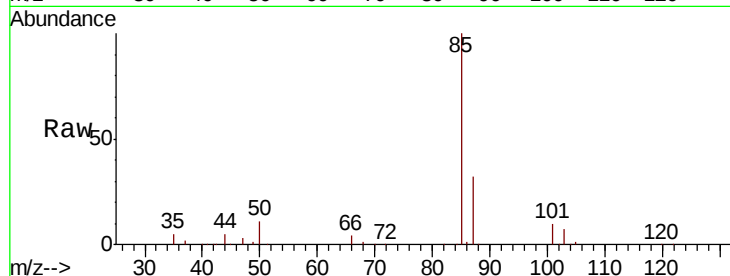
VSTD05091

Tot Ion: 85 Resp: 116597

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018482.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018482.D (-7) (-)

1.14

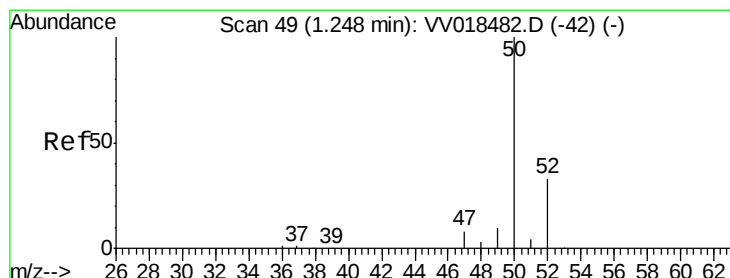
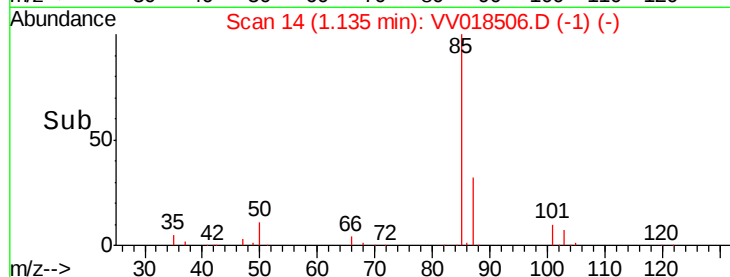
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.173 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018506.D

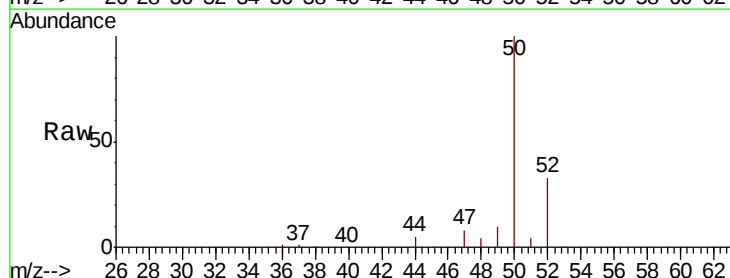
Acq: 28 Sep 2020 20:59

Tgt Ion: 50 Resp: 132063

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018482.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018482.D (-42) (-)

1.25

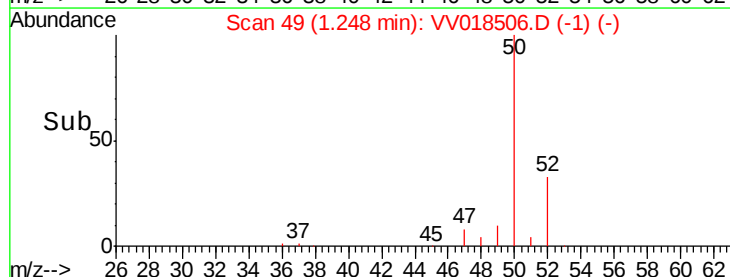
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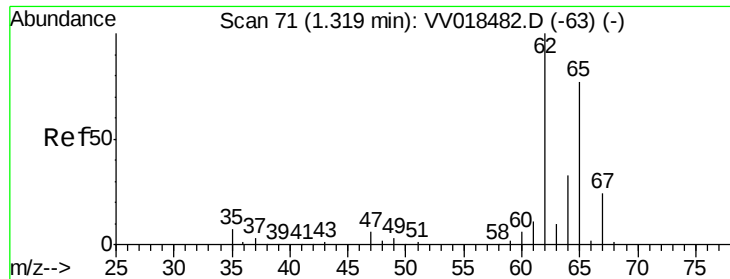
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.374 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleID :

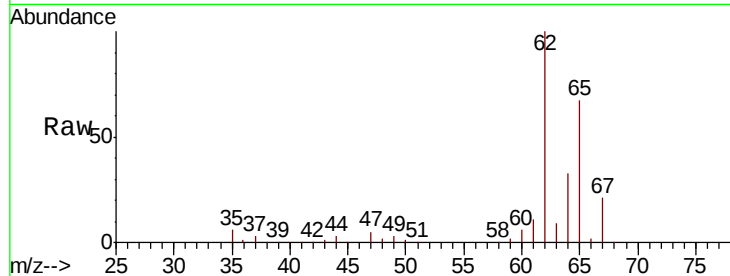
VSTD05091

Tot Ion: 62 Resp: 138801

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

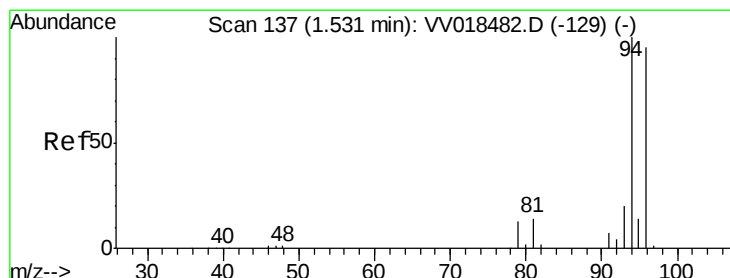
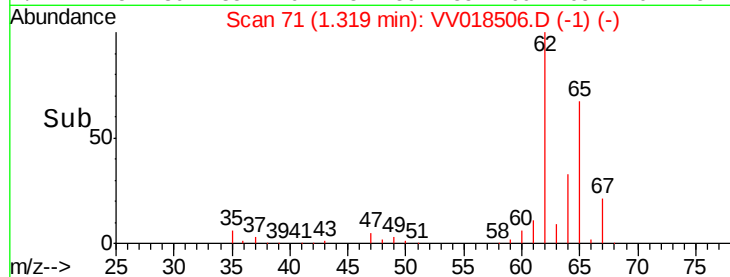
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 49.248 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018506.D

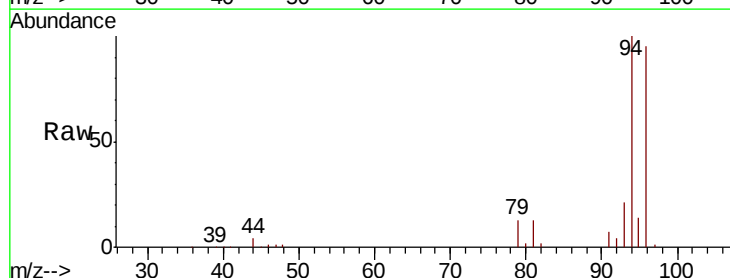
Acq: 28 Sep 2020 20:59

Tgt Ion: 94 Resp: 84620

Ion Ratio Lower Upper

94 100

96 94.8 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

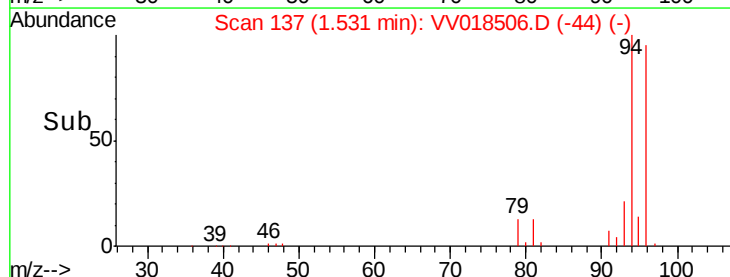
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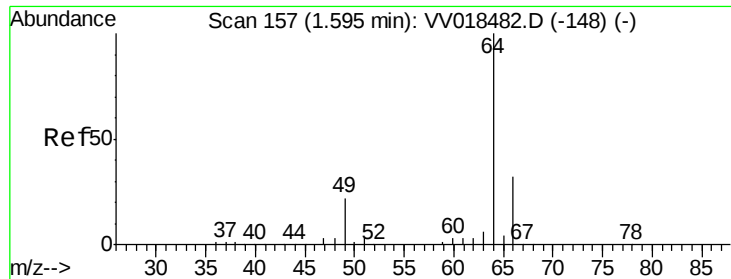
40000

20000

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Time-->

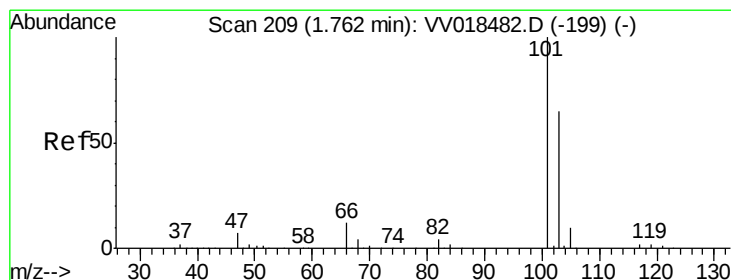
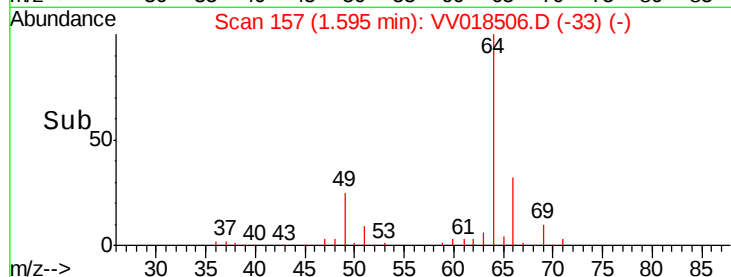
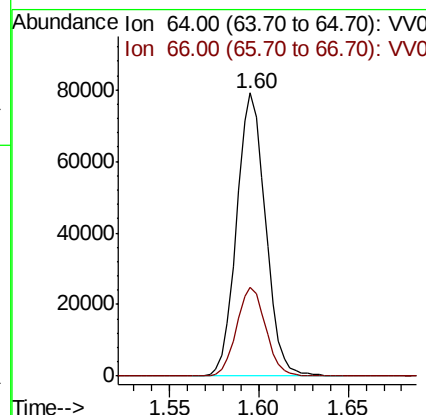
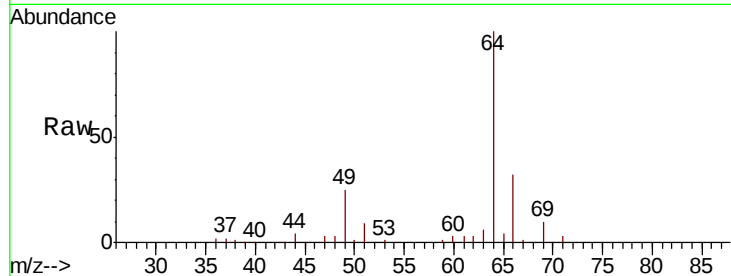




#8
Chloroethane
Concen: 50.754 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

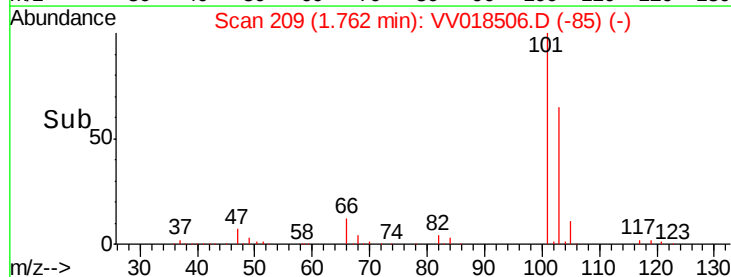
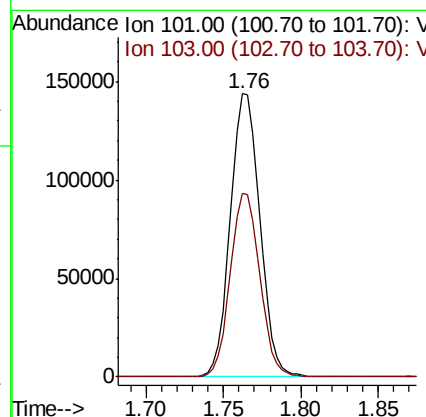
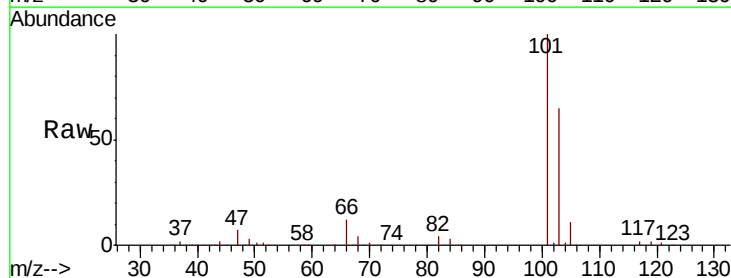
Instrument :
MSVOA_V
ClientSampleId :
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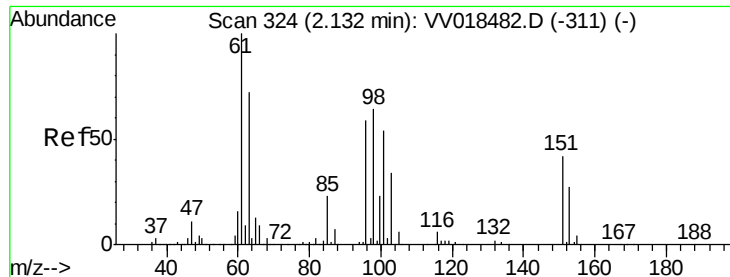
Tot Ion: 64 Resp: 89379
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 49.217 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 101 Resp: 190367
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 50.721 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

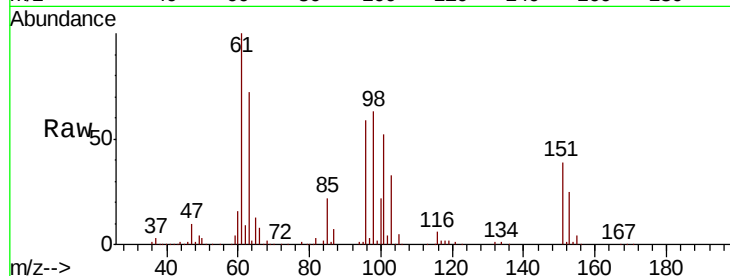
Tot Ion:101 Resp: 117843

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

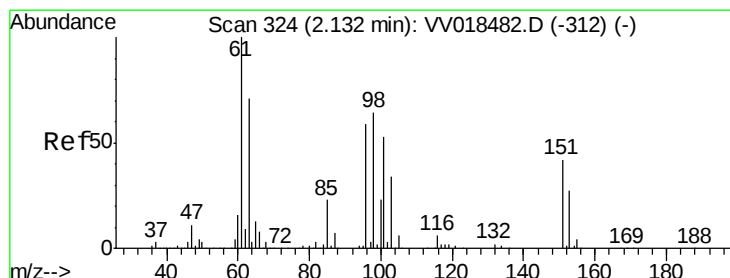
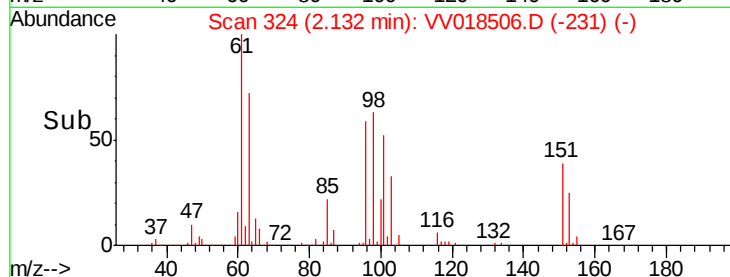
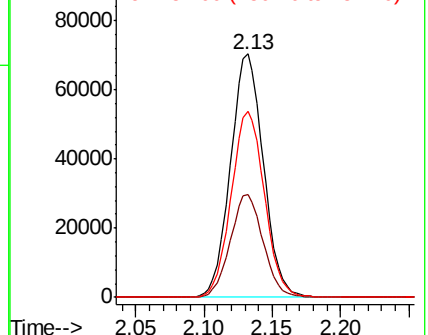
151 77.3 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018482.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018482.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018482.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 51.383 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

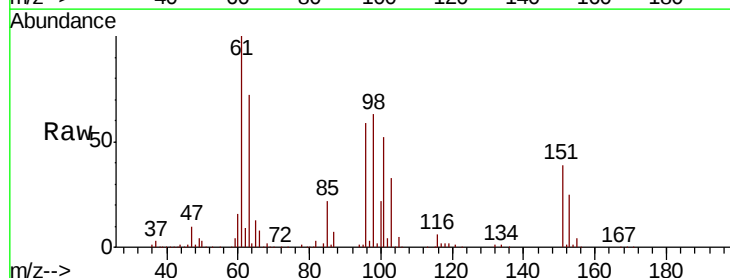
Tgt Ion: 96 Resp: 116159

Ion Ratio Lower Upper

96 100

61 169.8 122.9 228.3

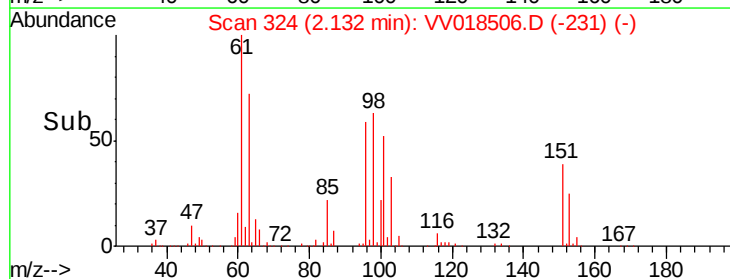
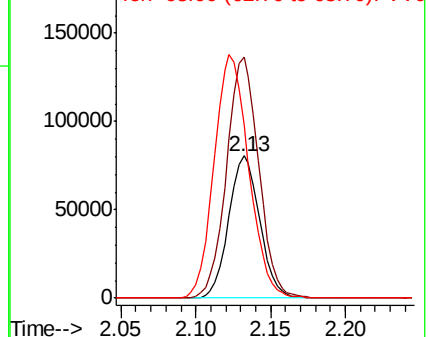
63 121.8 91.9 170.7

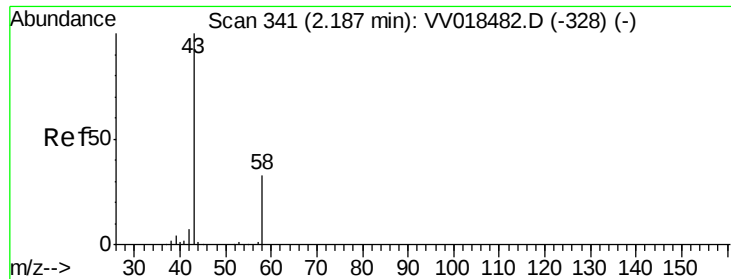


Abundance Ion 96.00 (95.70 to 96.70): VV018482.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018482.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018482.D (-312) (-)





#13

Acetone

Concen: 88.405 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

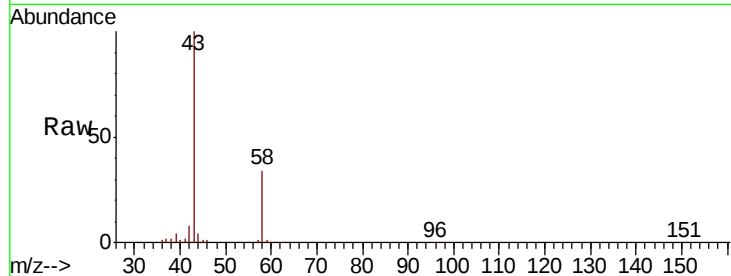
VSTD05091

Tot Ion: 43 Resp: 121579

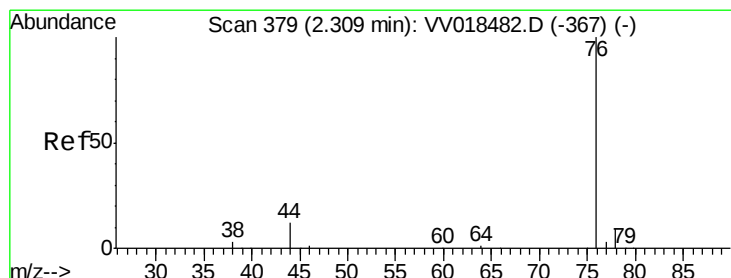
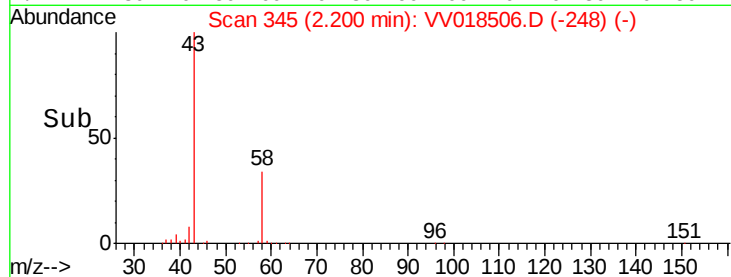
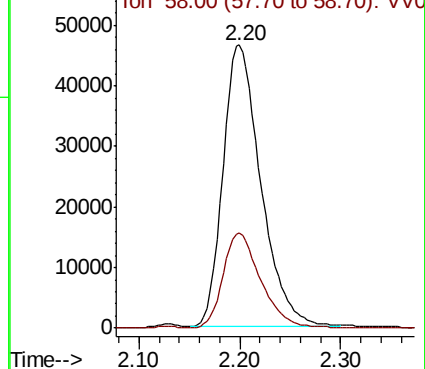
Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018482.D (-328) (-)



#14

Carbon disulfide

Concen: 43.645 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018506.D

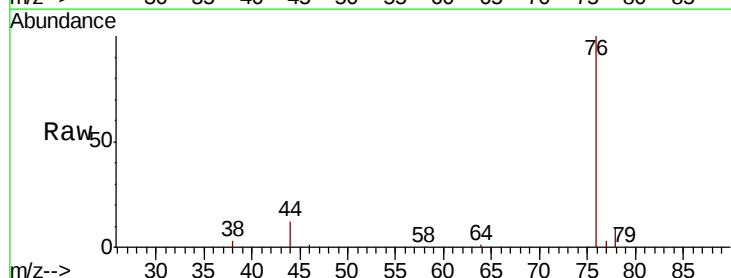
Acq: 28 Sep 2020 20:59

Tgt Ion: 76 Resp: 301917

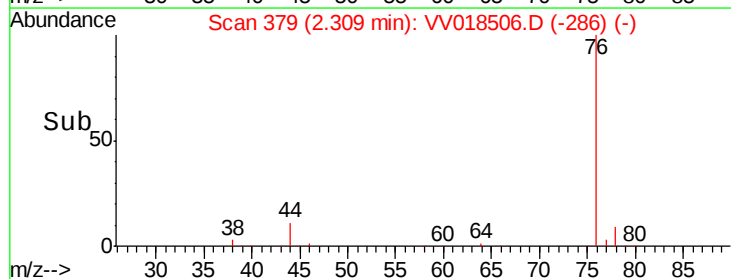
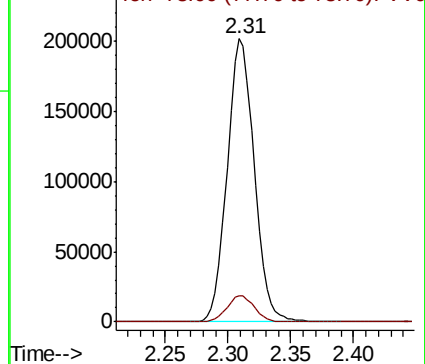
Ion Ratio Lower Upper

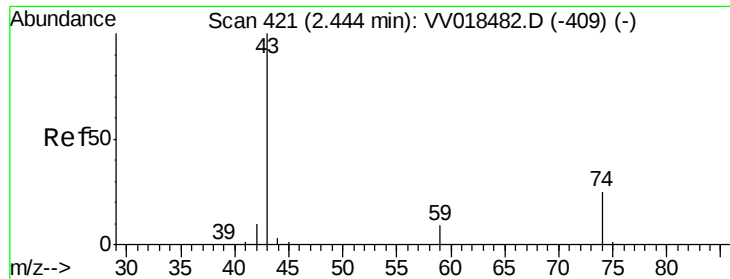
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018482.D (-367) (-)

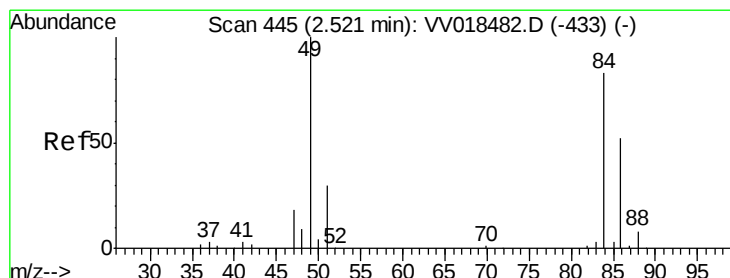
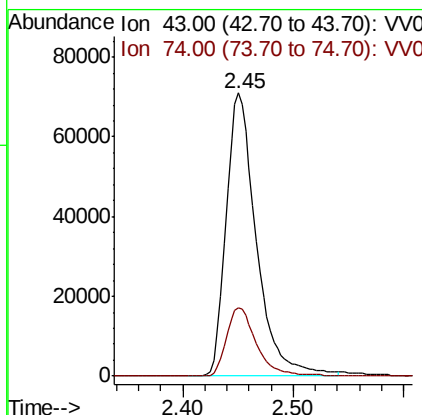
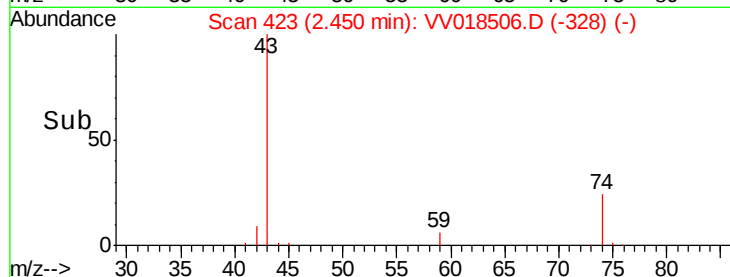
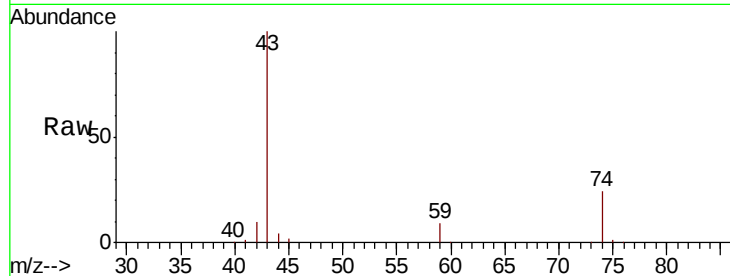




#15
Methvl Acetate
Concen: 54.242 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

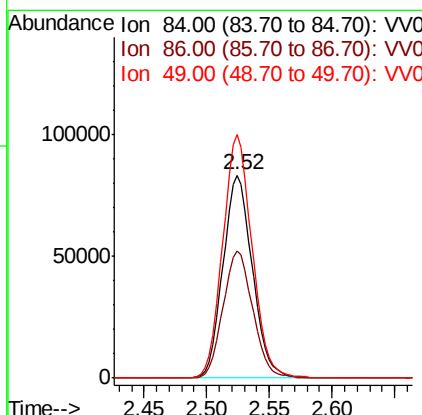
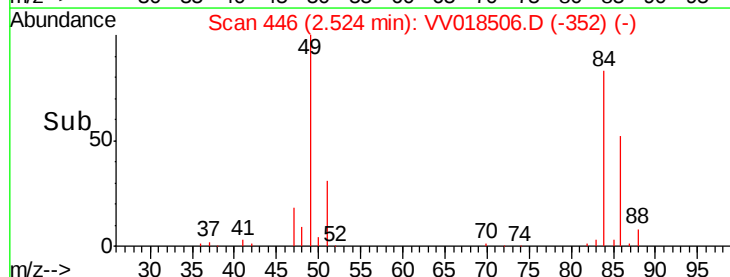
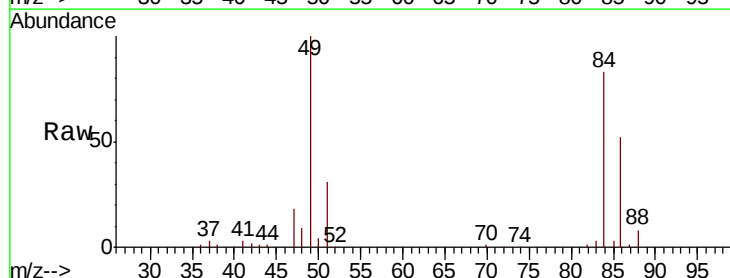
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

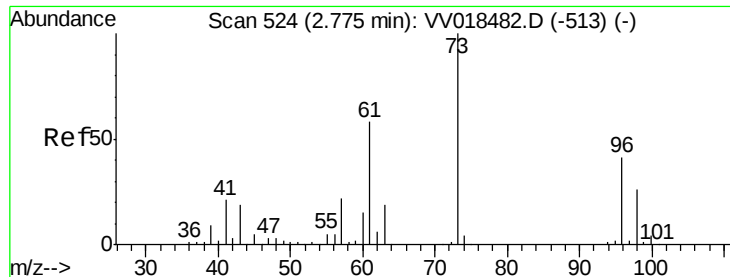
Tot Ion: 43 Resp: 134057
Ion Ratio Lower Upper
43 100
74 23.9 18.4 27.6



#16
Methylene chloride
Concen: 53.748 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 84 Resp: 136271
Ion Ratio Lower Upper
84 100
86 62.7 44.4 82.4
49 119.8 87.2 162.0

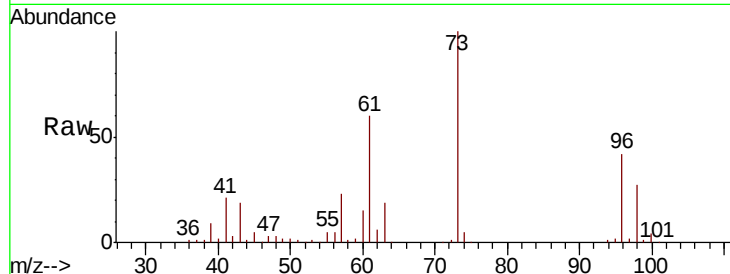




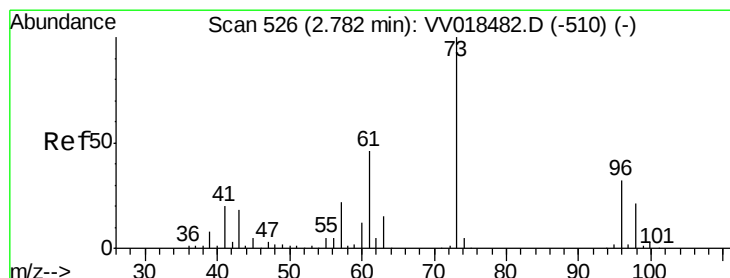
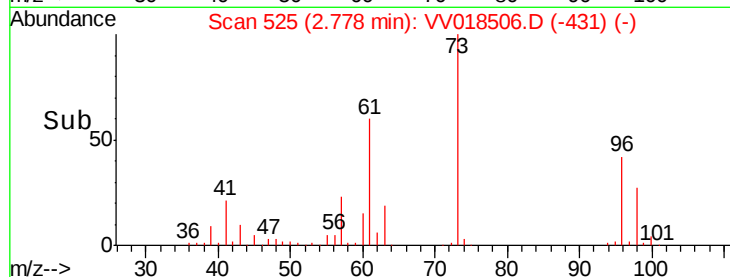
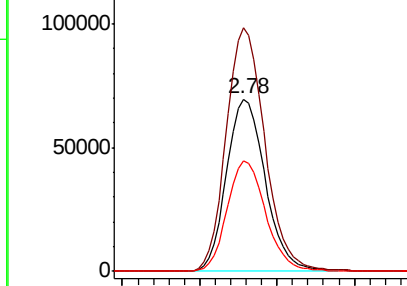
#17
trans-1,2-Dichloroethene
Concen: 51.885 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Instrument :
MSVOA_V
ClientSampled :
VSTD05091

Tot Ion: 96 Resp: 120881
Ion Ratio Lower Upper
96 100
61 141.2 100.7 186.9
98 63.8 45.2 84.0

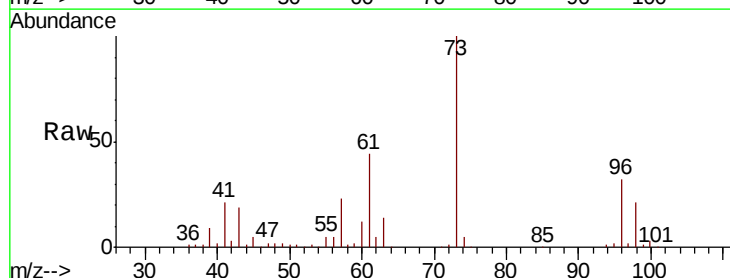


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

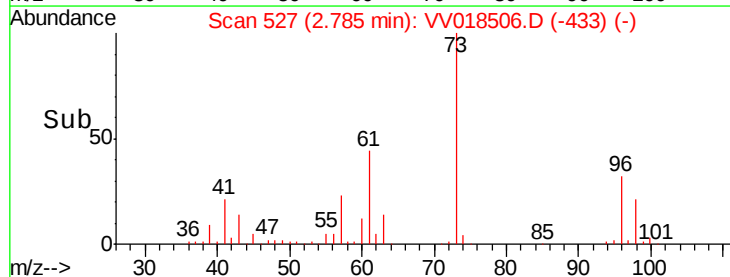
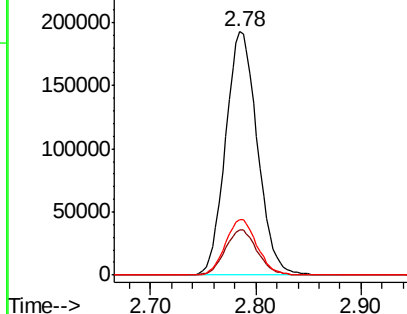


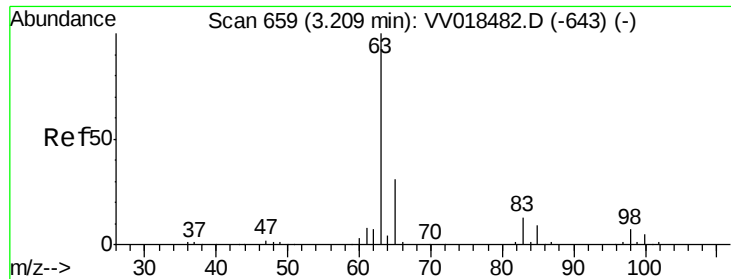
#18
Methyl tert-butyl Ether
Concen: 55.789 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 73 Resp: 402064
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 22.8 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

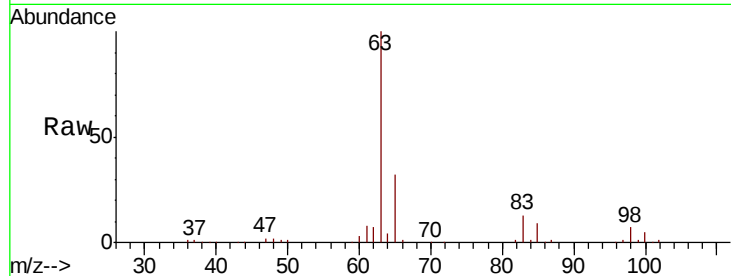




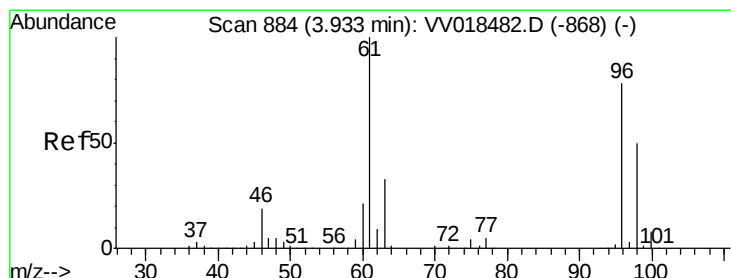
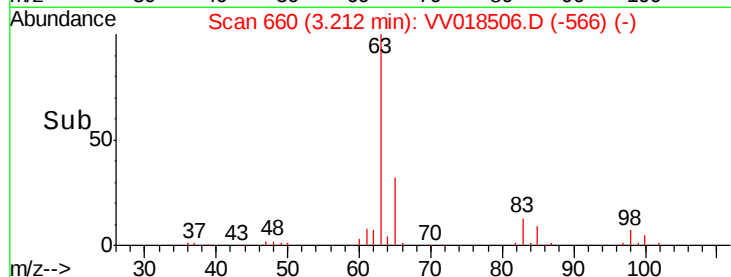
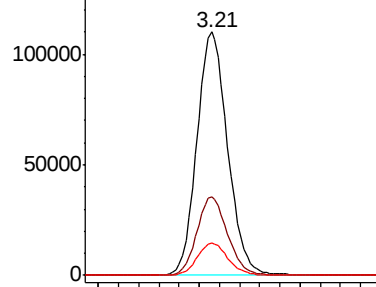
#19
 1,1-Dichloroethane
 Concen: 53.006 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05091

Tot Ion: 63 Resp: 233490
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.7
 83 13.1 9.3 17.3

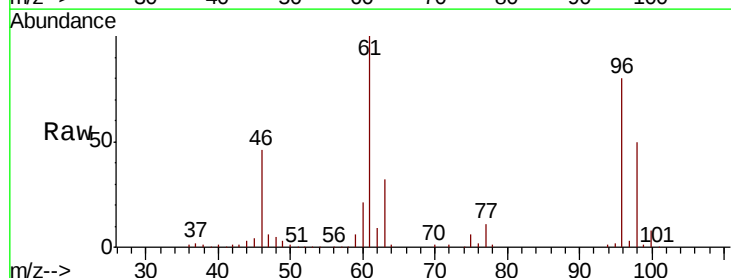


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

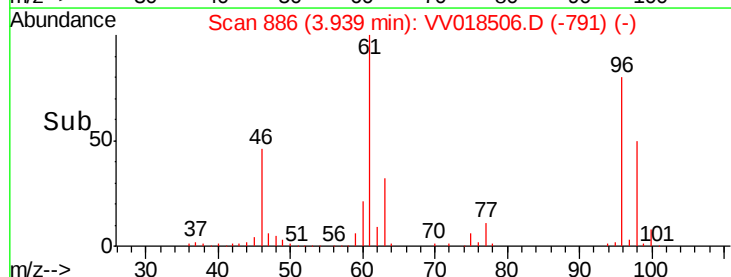
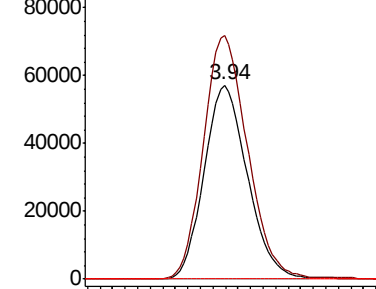


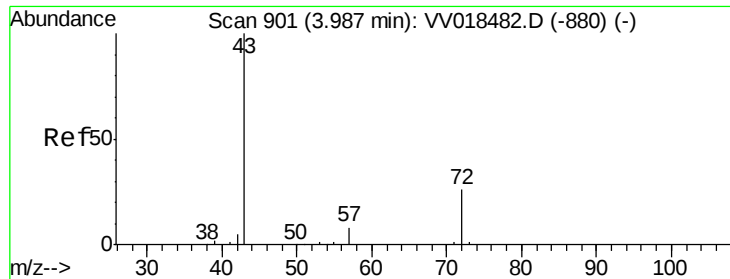
#20
 cis-1,2-Dichloroethene
 Concen: 54.964 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion: 96 Resp: 136887
 Ion Ratio Lower Upper
 96 100
 61 125.7 93.6 173.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

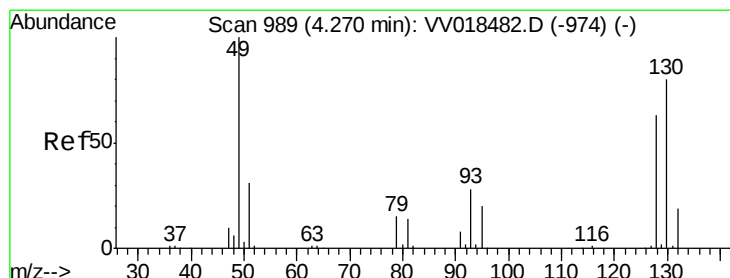
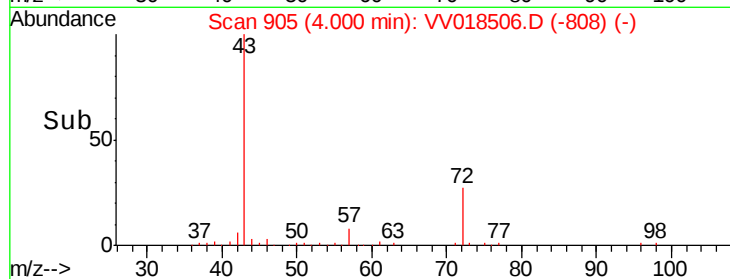
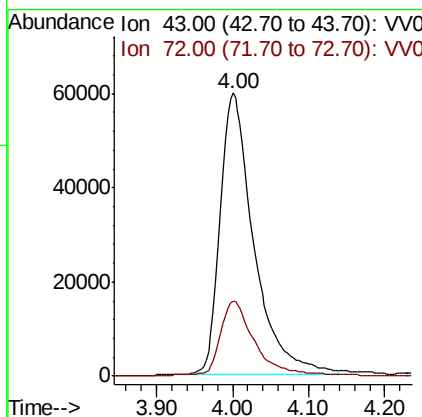
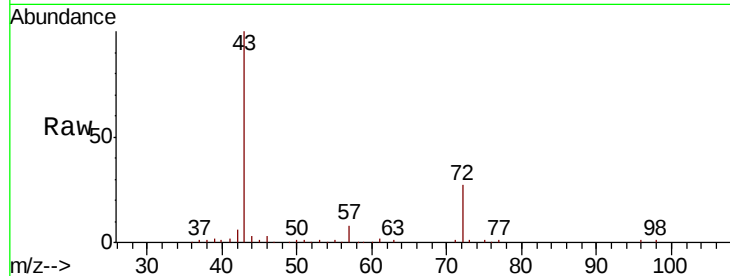




#22
 2-Butanone
 Concen: 113.434 ug/L
 RT: 4.00 min Scan# 905
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

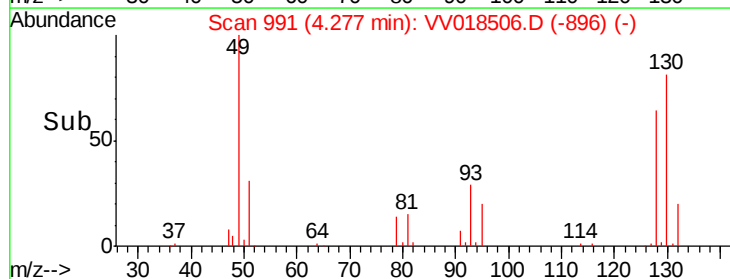
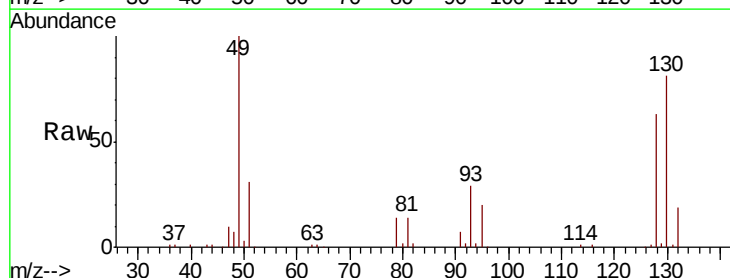
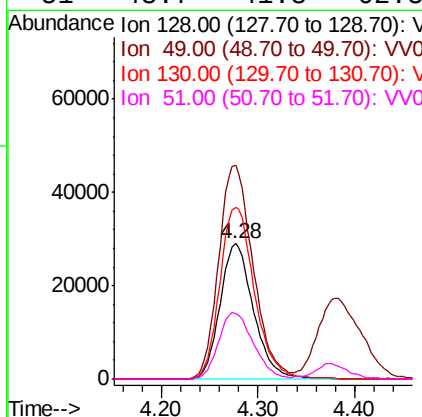
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

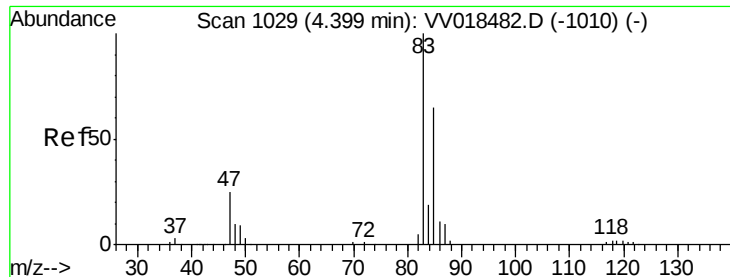
Tot Ion: 43 Resp: 184726
 Ion Ratio Lower Upper
 43 100
 72 25.2 13.1 39.3



#23
 Bromochloromethane
 Concen: 53.720 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion: 128 Resp: 69999
 Ion Ratio Lower Upper
 128 100
 49 157.8 114.4 212.6
 130 127.2 87.9 163.3
 51 48.7 41.8 62.8

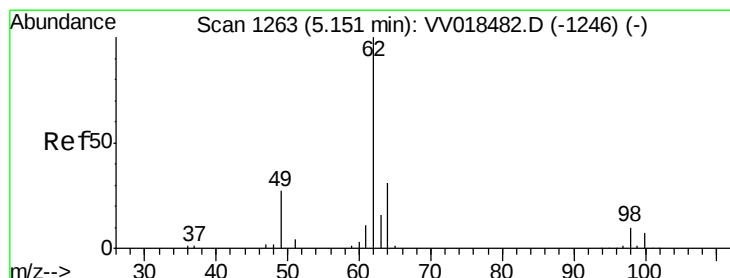
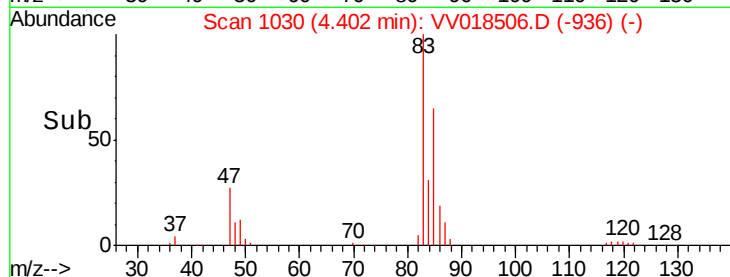
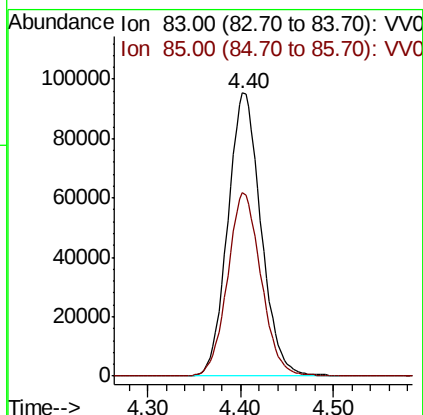
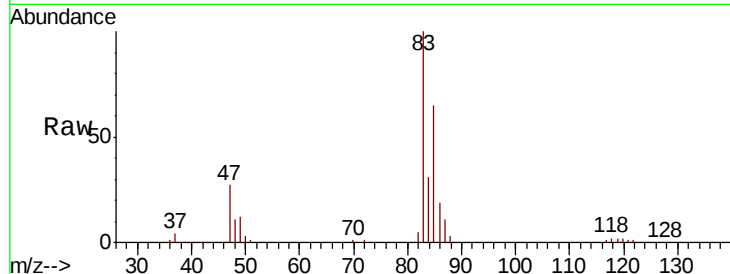




#25
Chloroform
Concen: 52.977 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

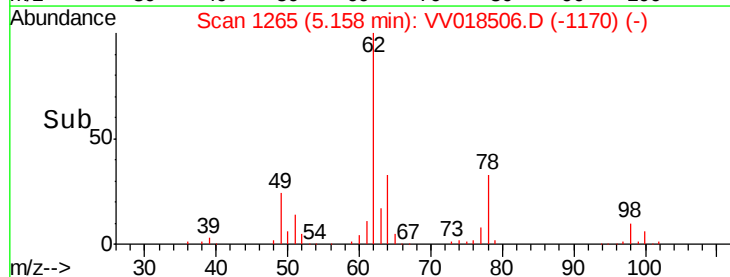
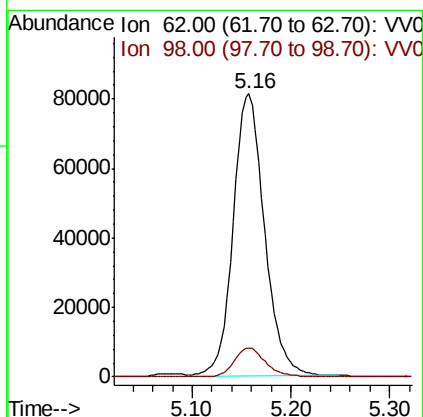
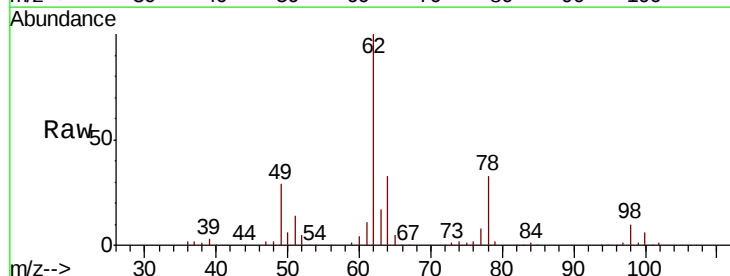
Instrument :
MSVOA_V
ClientSampled :
VSTD05091

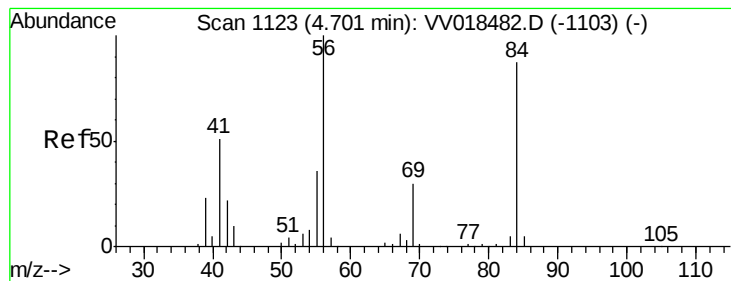
Tot Ion: 83 Resp: 237210
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 51.842 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 62 Resp: 179704
Ion Ratio Lower Upper
62 100
98 10.3 7.6 11.4





#29

Cyclohexane

Concen: 51.754 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

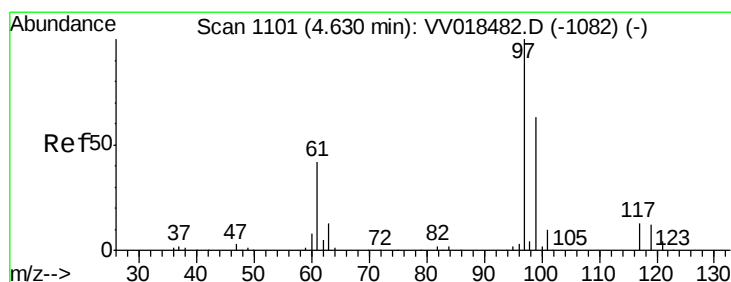
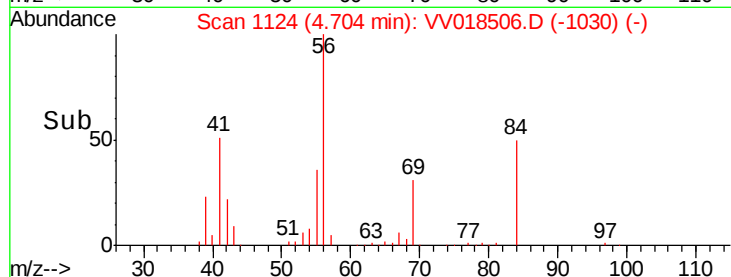
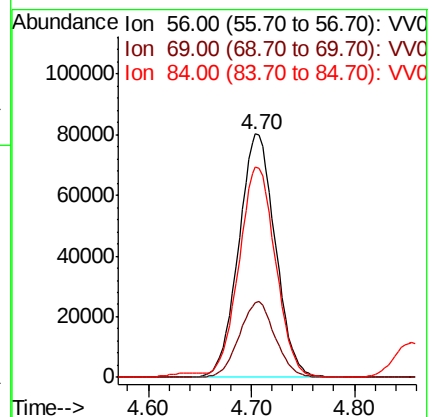
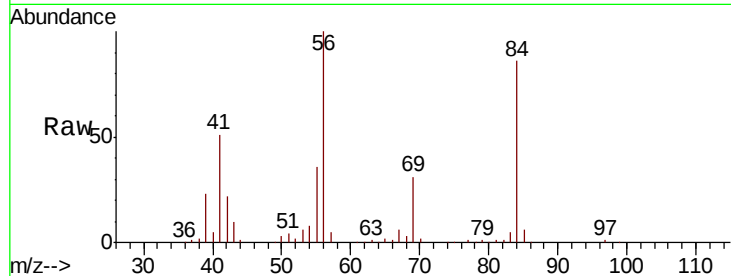
Tot Ion: 56 Resp: 197643

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.2

84 86.7 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 53.614 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

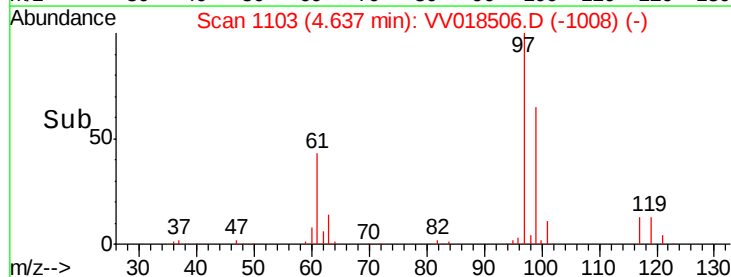
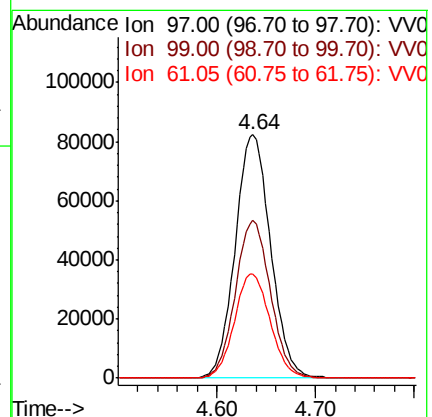
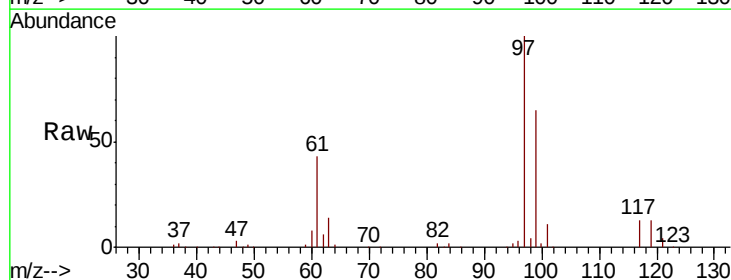
Tgt Ion: 97 Resp: 205775

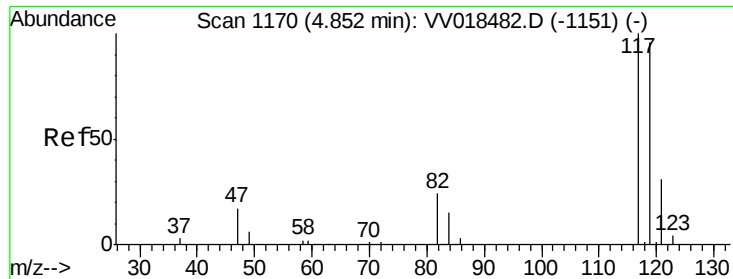
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 43.3 34.9 52.3

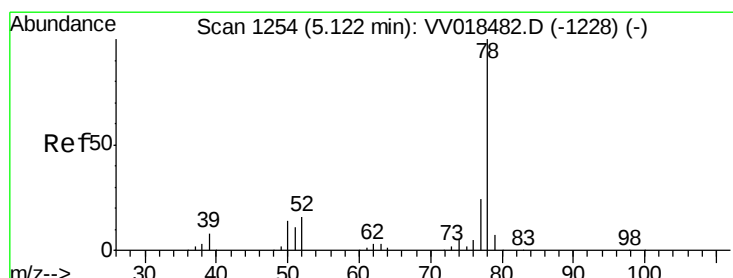
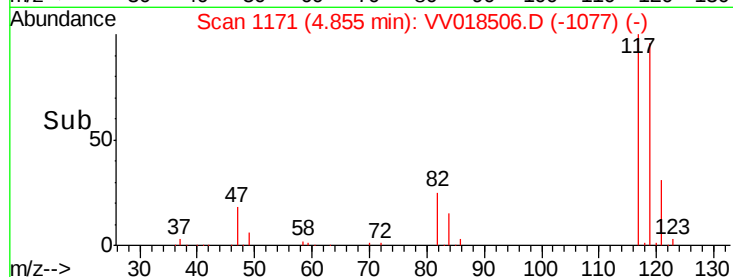
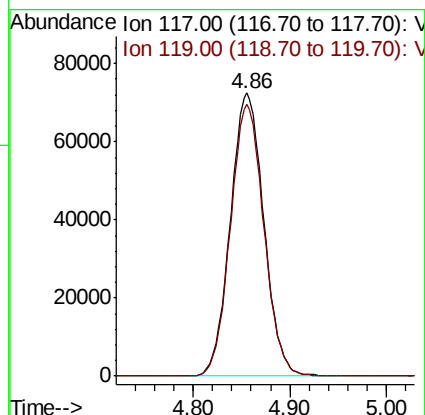
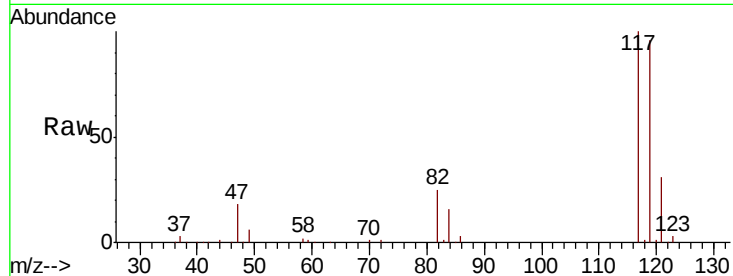




#31
Carbon tetrachloride
Concen: 51.485 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

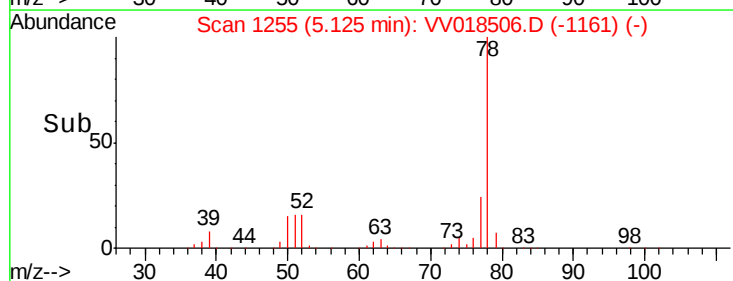
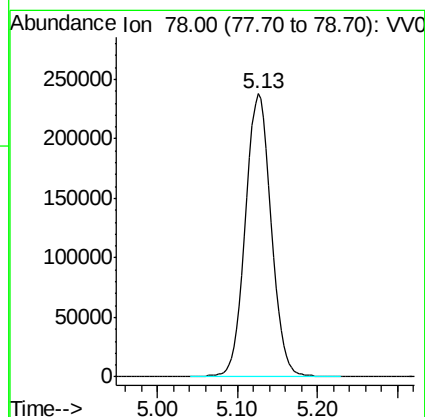
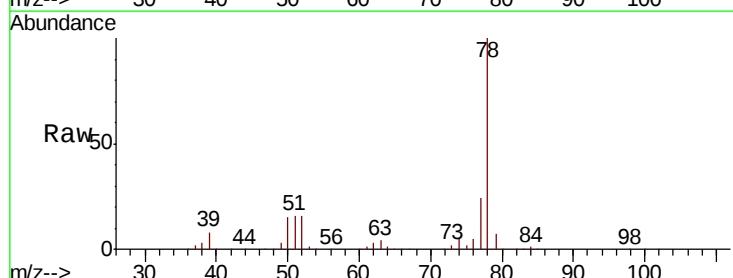
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

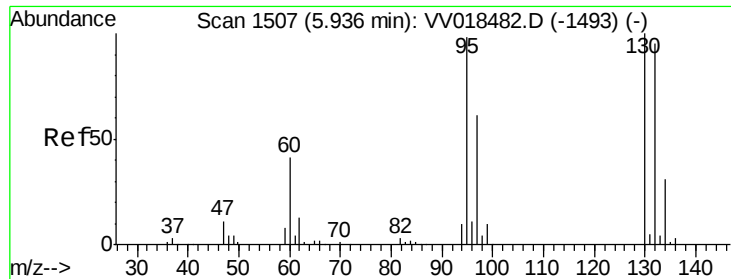
Tot Ion:117 Resp: 173753
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5



#33
Benzene
Concen: 54.736 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 78 Resp: 517560

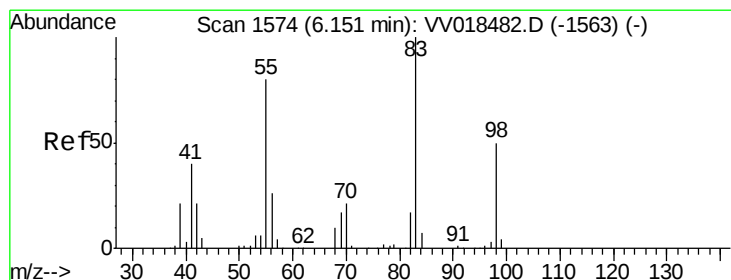
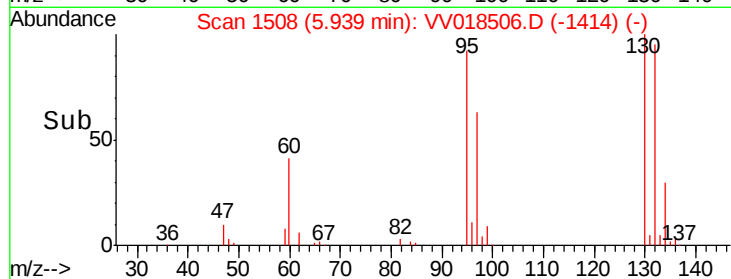
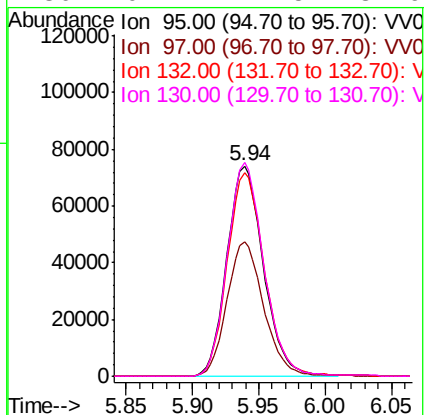
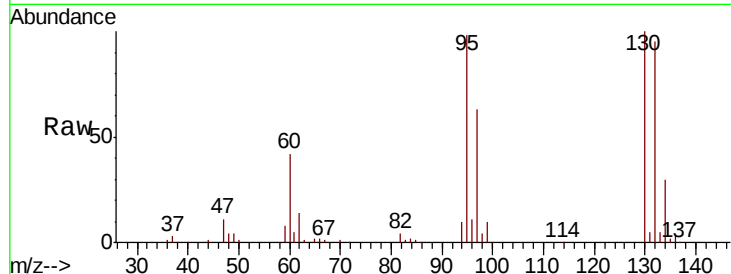




#34
 Trichloroethene
 Concen: 55.272 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

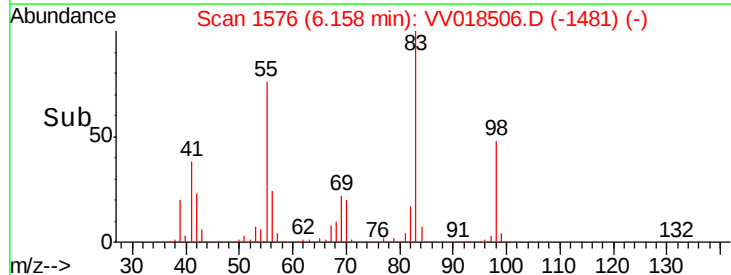
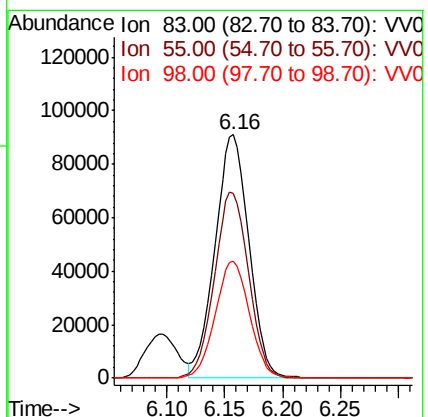
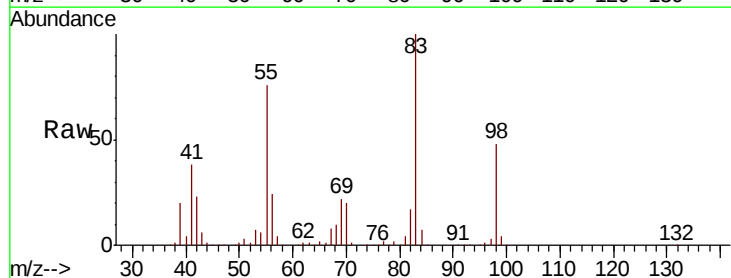
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

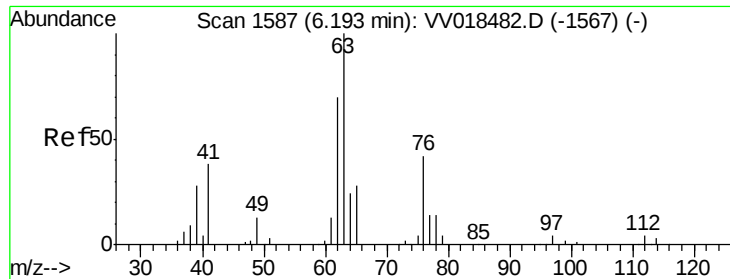
Tot Ion: 95 Resp: 142369
 Ion Ratio Lower Upper
 95 100
 97 63.8 46.3 85.9
 132 96.9 68.1 126.5
 130 101.7 71.5 132.9



#35
 Methylcyclohexane
 Concen: 47.903 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion: 83 Resp: 185779
 Ion Ratio Lower Upper
 83 100
 55 76.6 63.4 95.2
 98 48.5 38.8 58.2

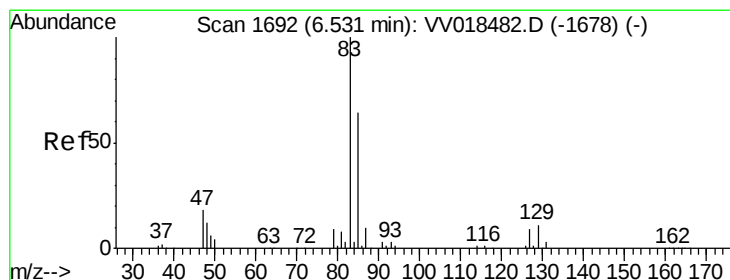
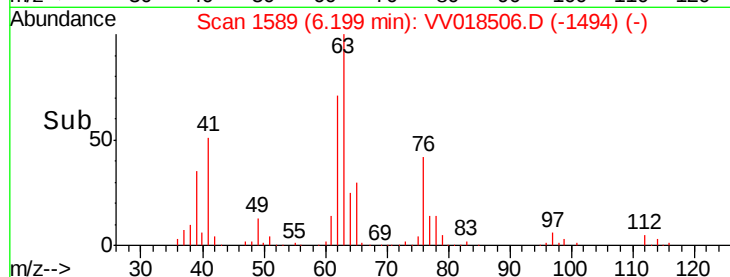
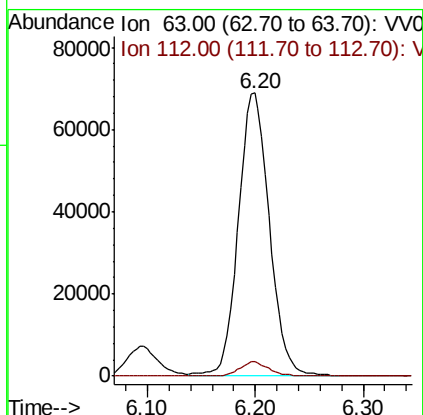
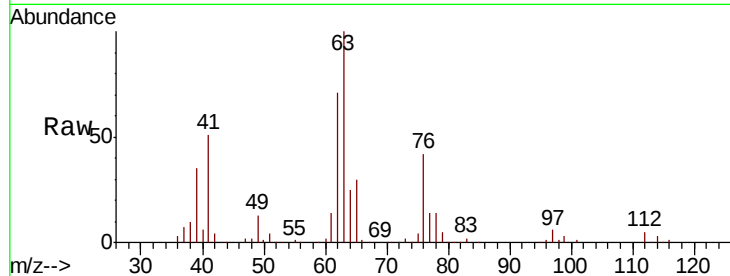




#37
 1,2-Dichloropropane
 Concen: 54.695 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

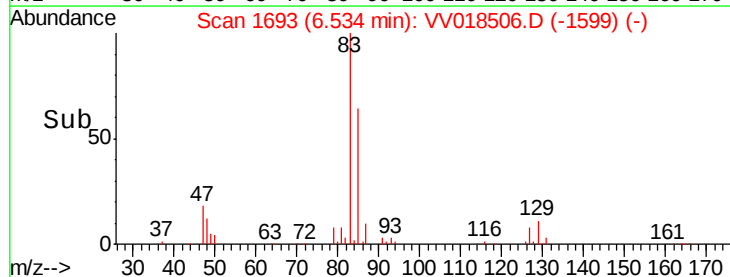
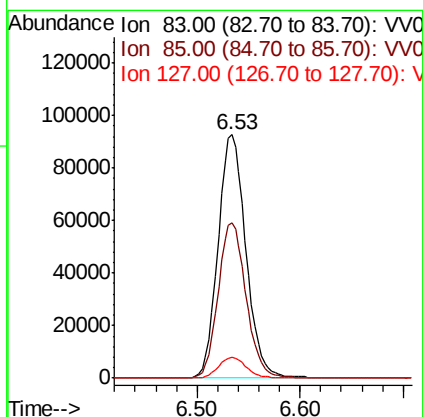
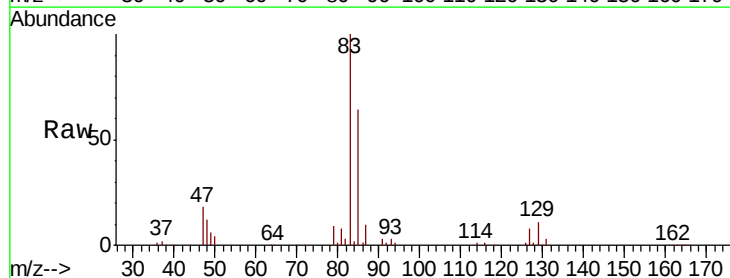
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

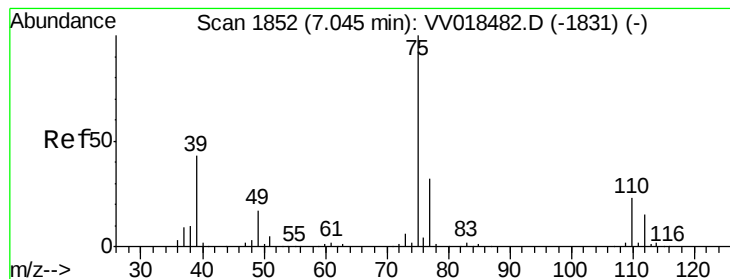
Tot Ion: 63 Resp: 137045
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.317 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion: 83 Resp: 173849
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.7 82.9
 127 8.5 6.7 10.1



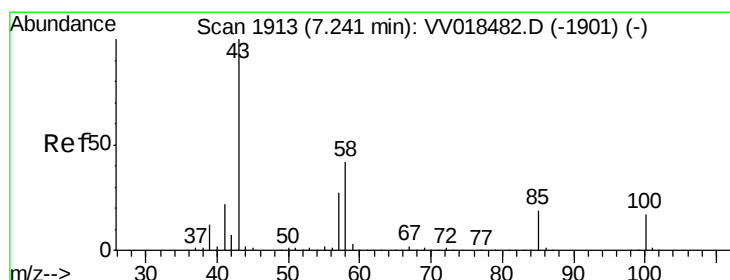
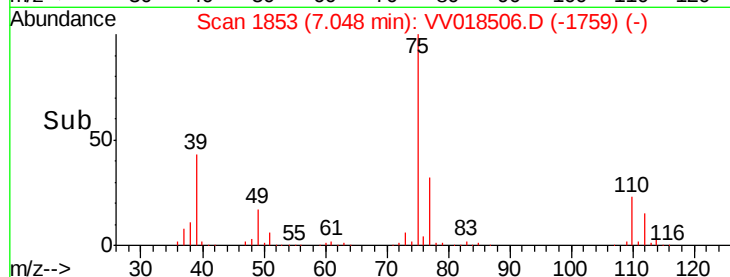
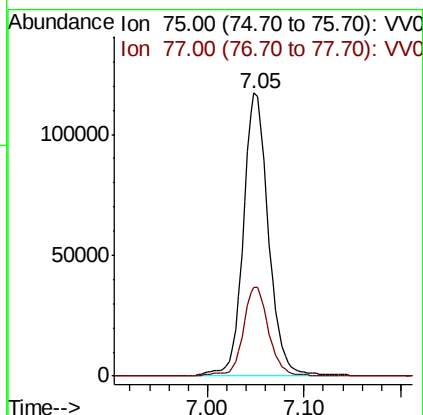
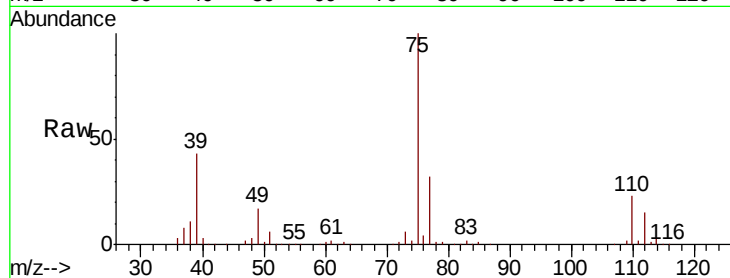


#39

cis-1,3-Dichloropropene
Concen: 55.076 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

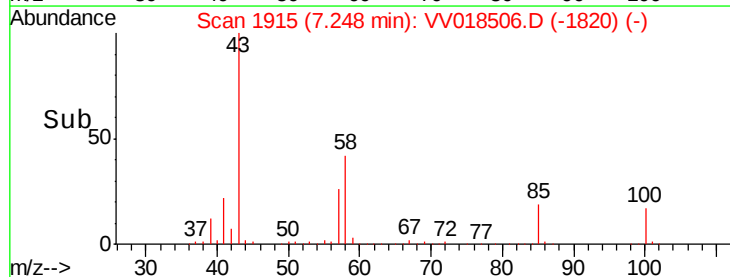
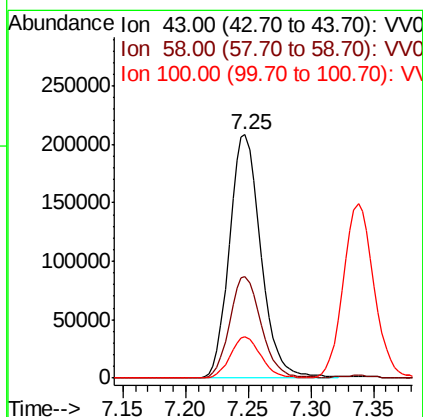
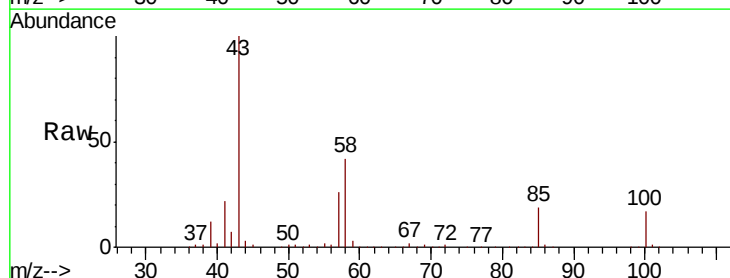
Tot Ion: 75 Resp: 212623
Ion Ratio Lower Upper
75 100
77 31.6 22.3 41.3

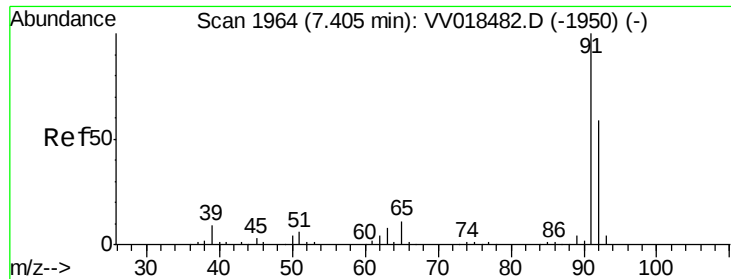


#40

4-Methyl-2-pentanone
Concen: 119.292 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 43 Resp: 362614
Ion Ratio Lower Upper
43 100
58 41.9 32.4 48.6
100 16.5 12.7 19.1





#42

Toluene

Concen: 55.607 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

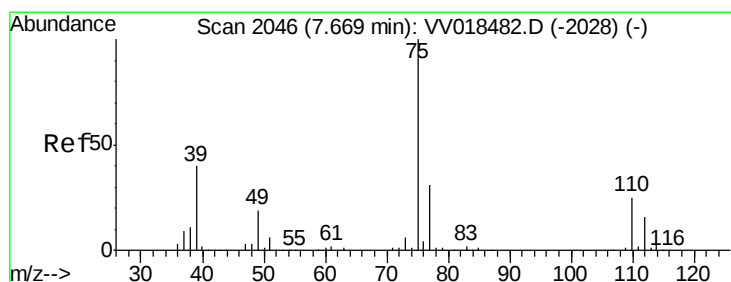
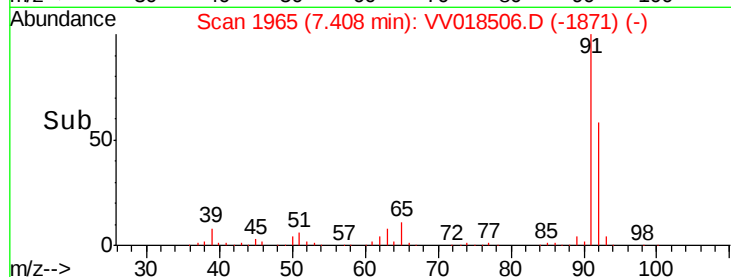
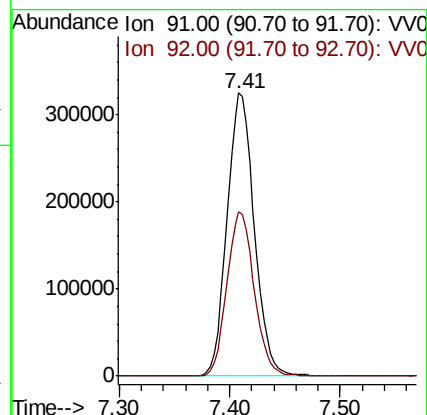
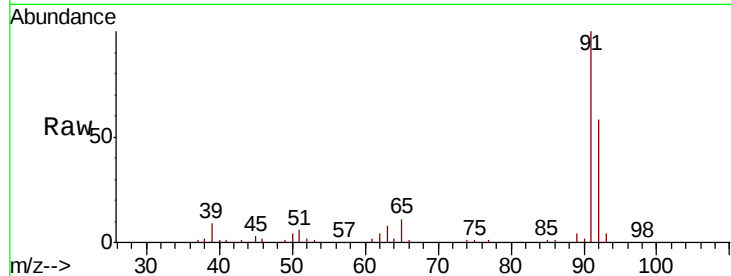
VSTD05091

Tot Ion: 91 Resp: 556430

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 54.508 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018506.D

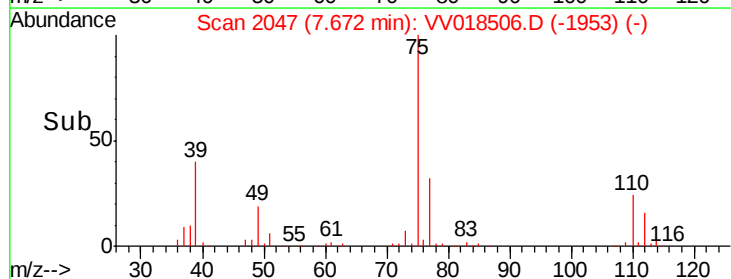
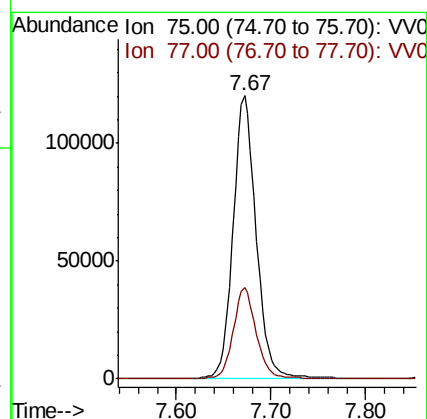
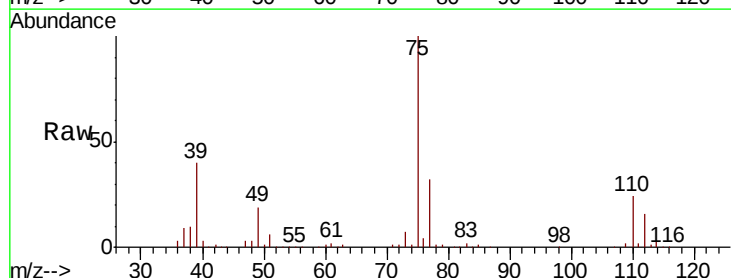
Acq: 28 Sep 2020 20:59

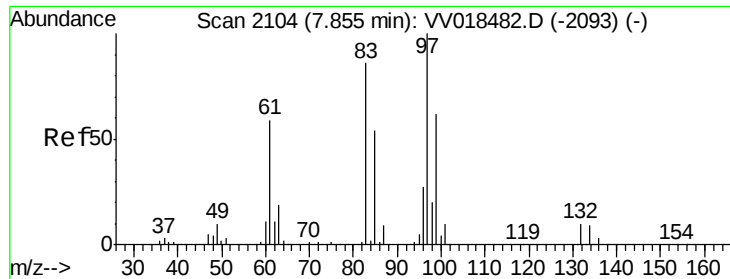
Tgt Ion: 75 Resp: 204889

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5

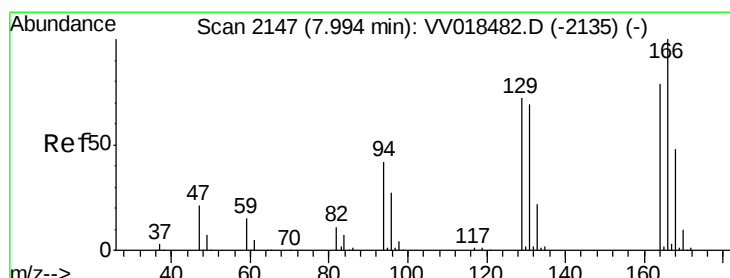
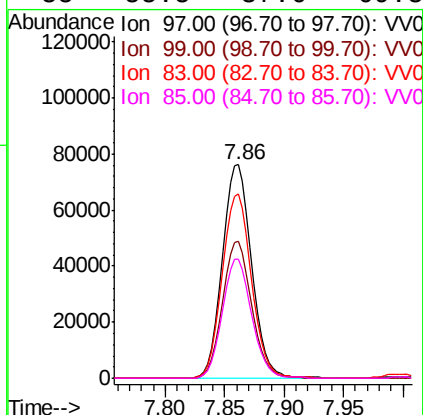
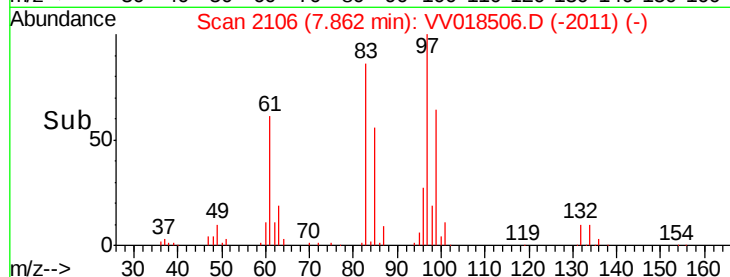
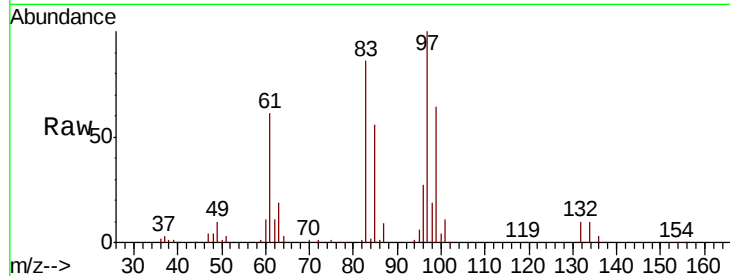




#45
 1,1,2-Trichloroethane
 Concen: 55.986 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.01 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

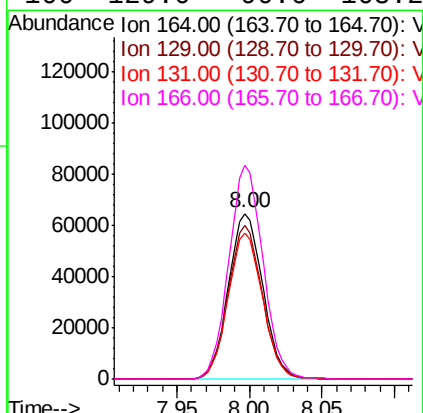
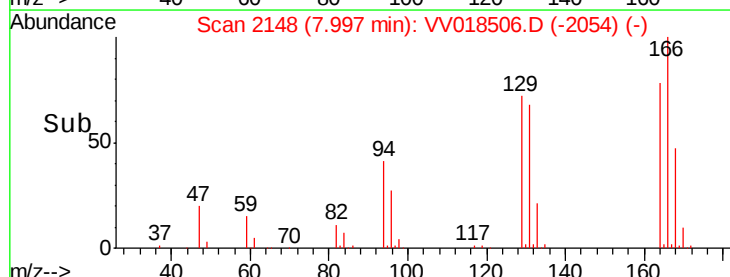
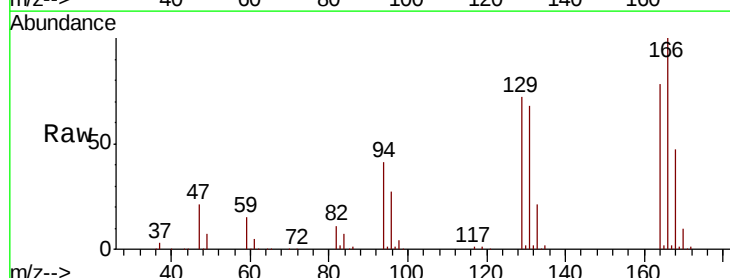
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

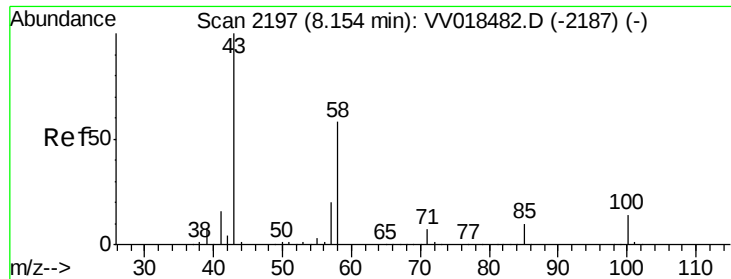
Tot Ion:	97	Resp:	130021
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.7	81.1
83	86.1	59.9	111.3
85	55.5	37.6	69.8



#46
 Tetrachloroethene
 Concen: 52.814 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion:	164	Resp:	106664
Ion	Ratio	Lower	Upper
164	100		
129	92.4	64.5	119.7
131	88.1	61.8	114.8
166	129.0	90.6	168.2

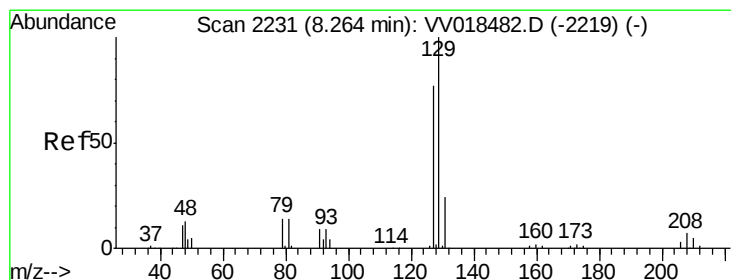
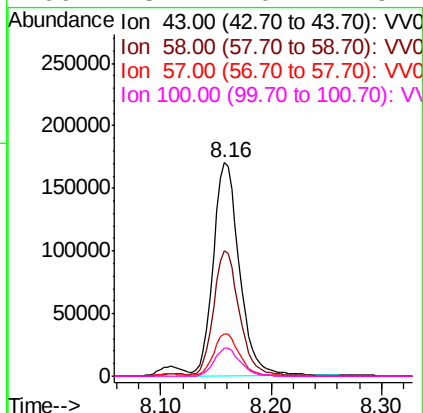
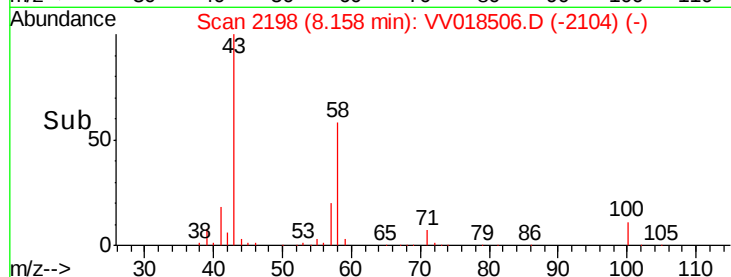
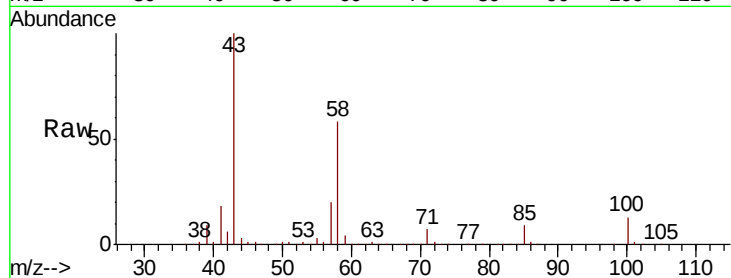




#48
2-Hexanone
Concen: 116.905 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

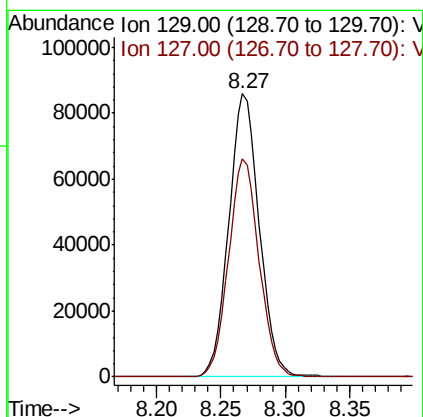
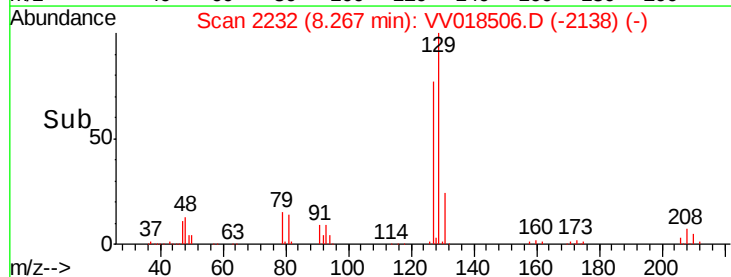
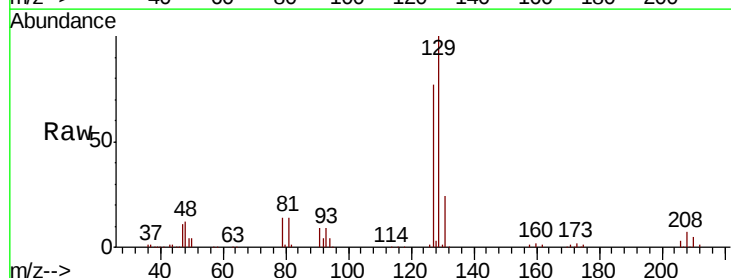
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

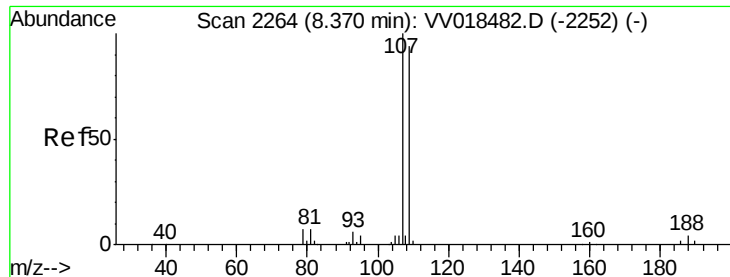
Tot Ion: 43 Resp: 280158
Ion Ratio Lower Upper
43 100
58 57.1 44.8 67.2
57 19.3 15.8 23.6
100 13.1 10.2 15.4



#49
Dibromochloromethane
Concen: 54.131 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion: 129 Resp: 141110
Ion Ratio Lower Upper
129 100
127 77.0 54.5 101.1

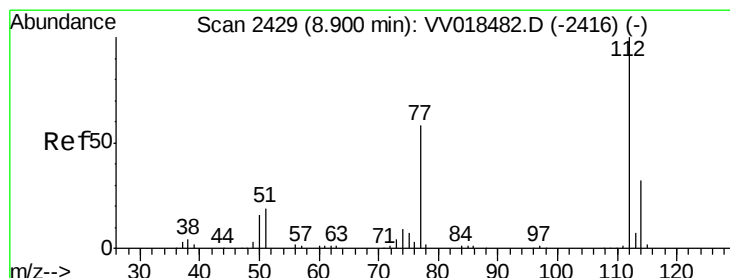
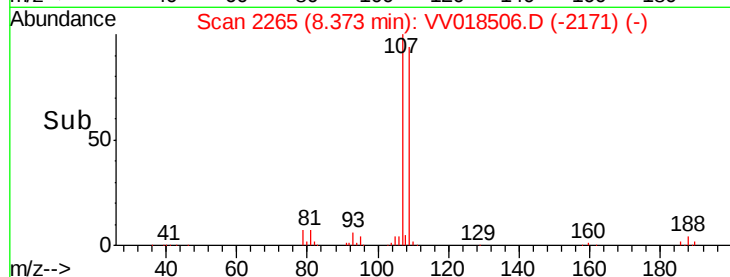
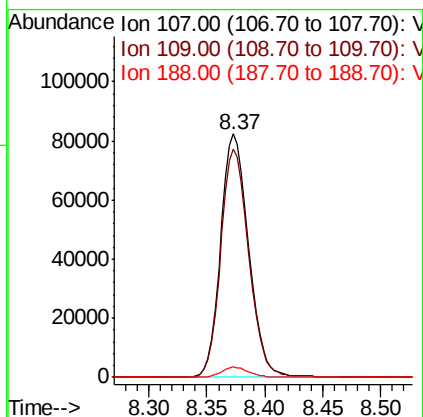
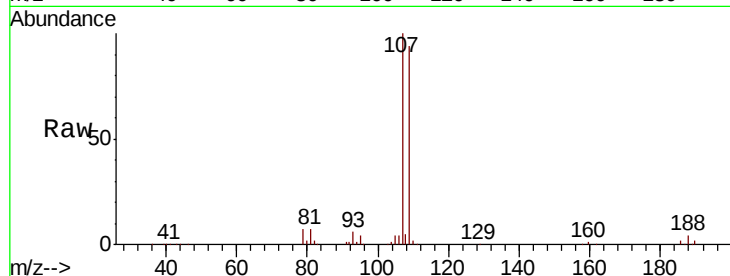




#50
1,2-Dibromoethane
Concen: 56.409 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

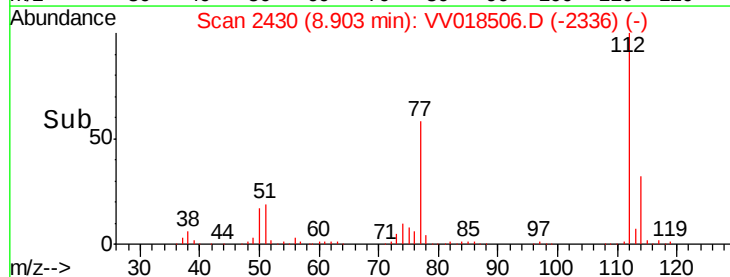
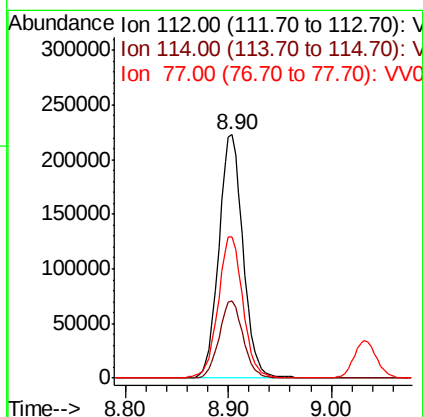
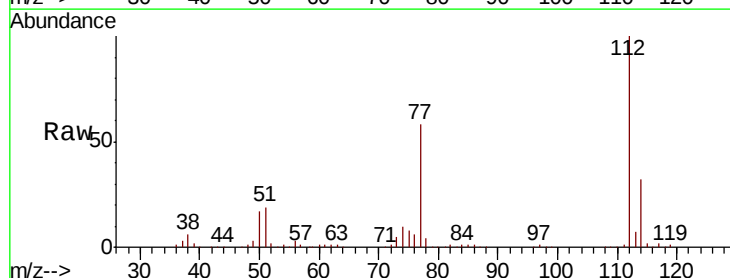
Instrument :
MSVOA_V
ClientSampled :
VSTD05091

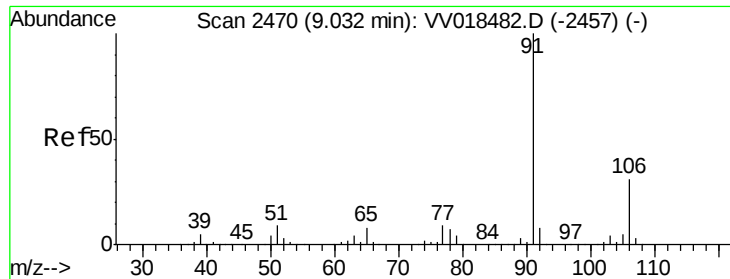
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.1	122.8
188	4.2	3.2	4.8



#51
Chlorobenzene
Concen: 55.731 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018506.D
Acq: 28 Sep 2020 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.6	42.0
77	57.9	48.0	72.0





#52

Ethylbenzene

Concen: 55.978 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

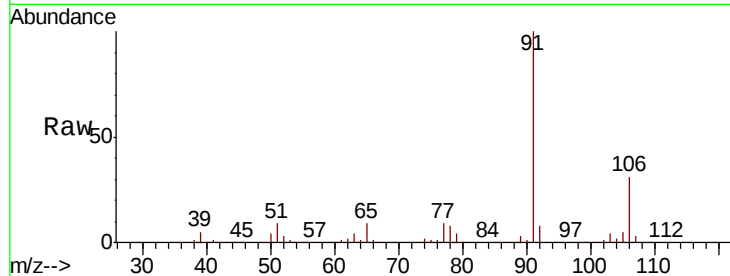
VSTD05091

Tot Ion: 91 Resp: 611545

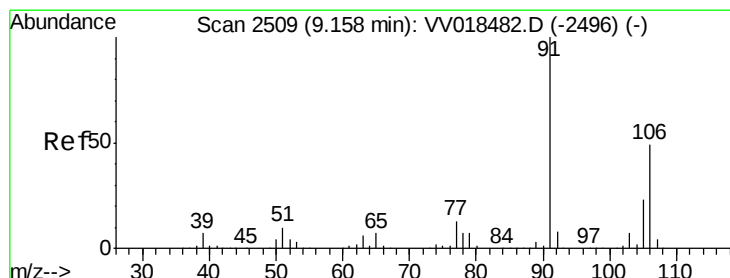
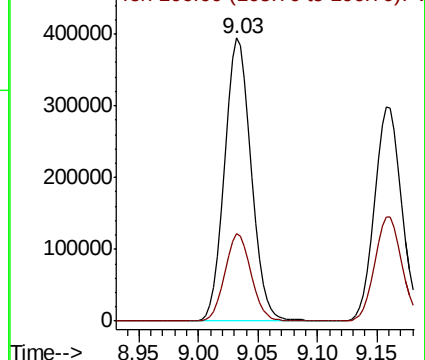
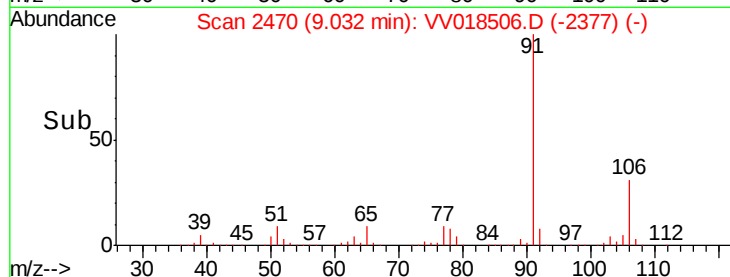
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018506.D (-2377) (-)



#53

m,p-Xylene

Concen: 56.648 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018506.D

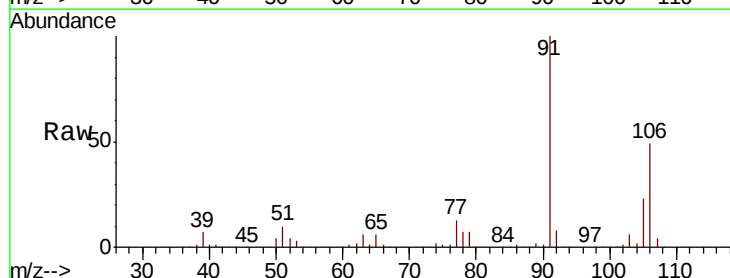
Acq: 28 Sep 2020 20:59

Tgt Ion: 106 Resp: 230992

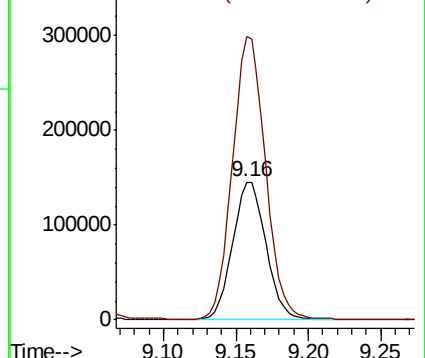
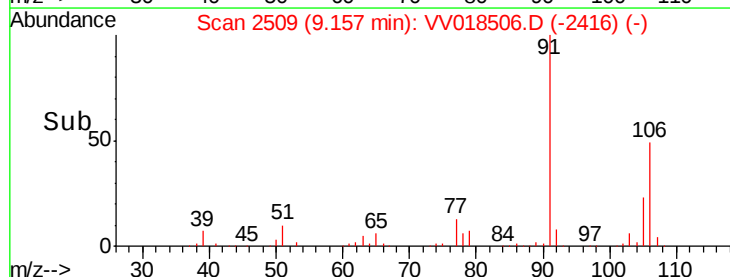
Ion Ratio Lower Upper

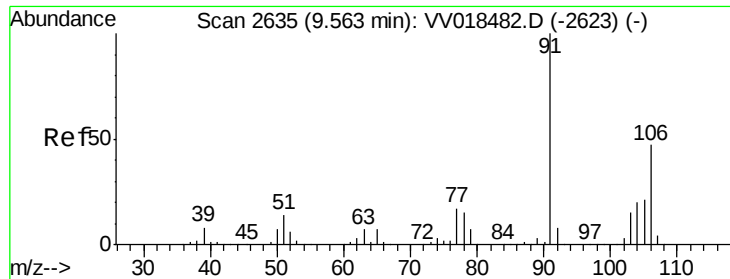
106 100

91 205.5 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018506.D (-2416) (-)





#54

o-xylene

Concen: 57.532 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

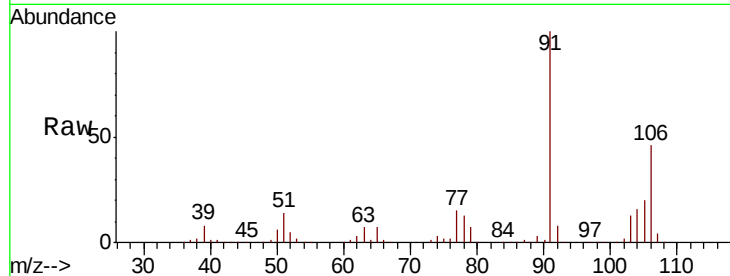
VSTD05091

Tot Ion:106 Resp: 226010

Ion Ratio Lower Upper

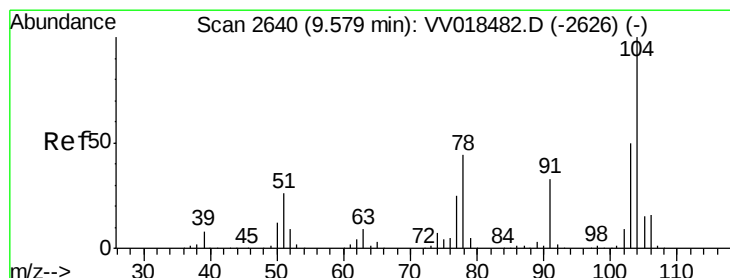
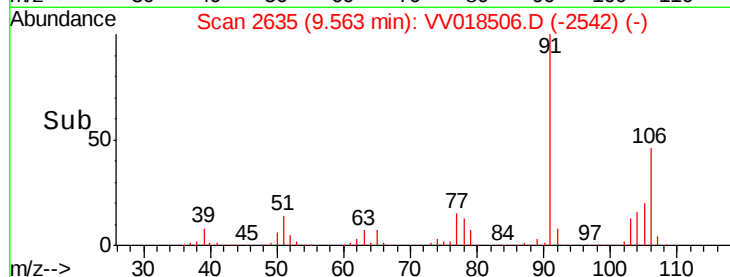
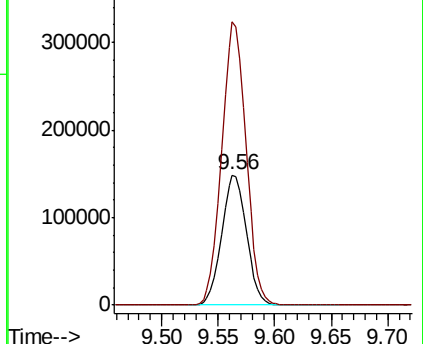
106 100

91 217.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 57.989 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018506.D

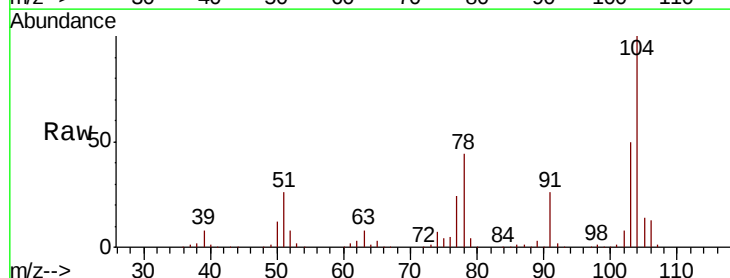
Acq: 28 Sep 2020 20:59

Tgt Ion:104 Resp: 395953

Ion Ratio Lower Upper

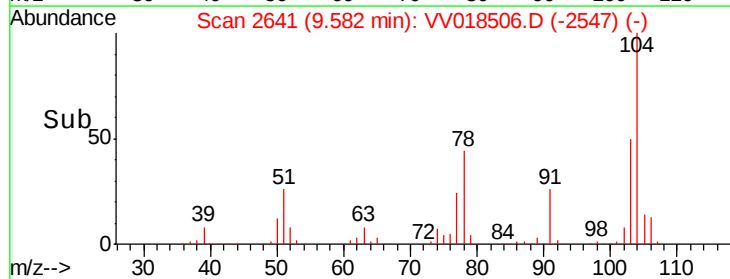
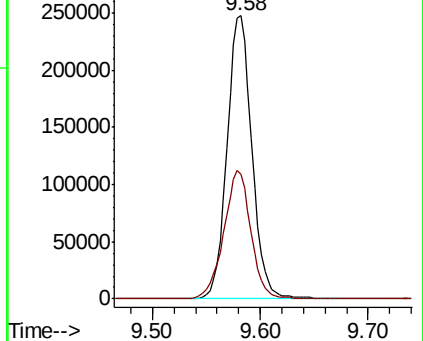
104 100

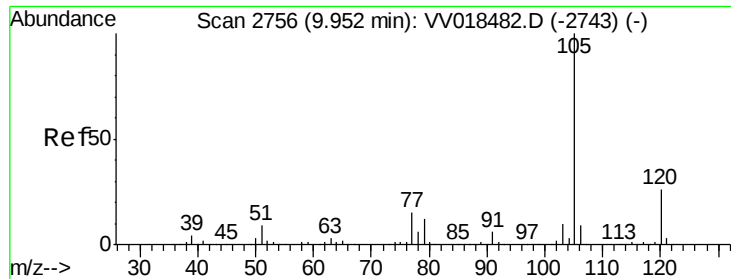
78 44.1 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 56.247 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampled :

VSTD05091

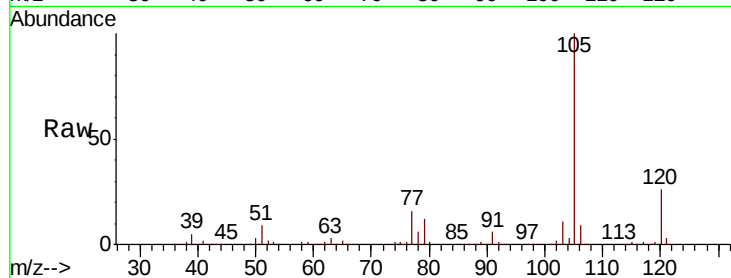
Tot Ion:105 Resp: 595509

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

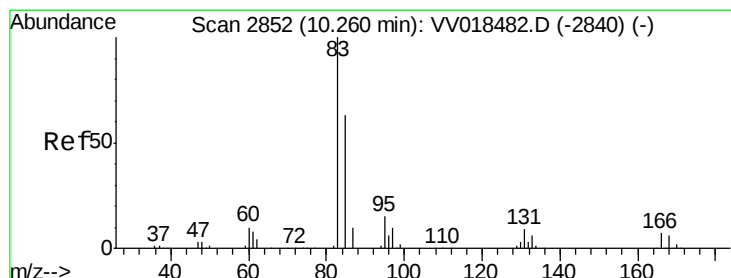
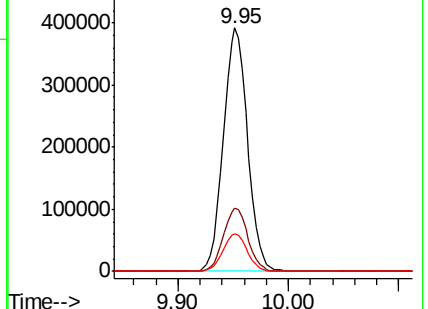
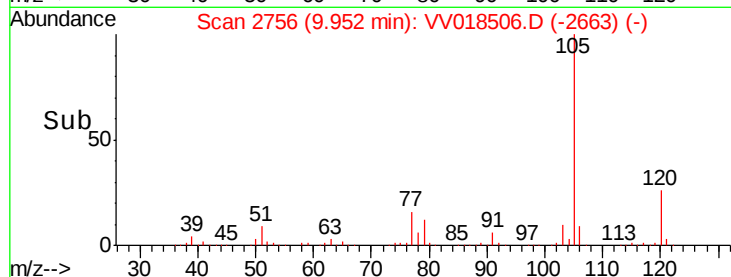
77 15.4 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 55.788 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

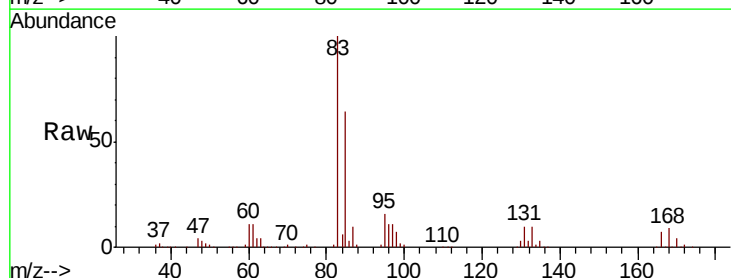
Tgt Ion: 83 Resp: 191653

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2

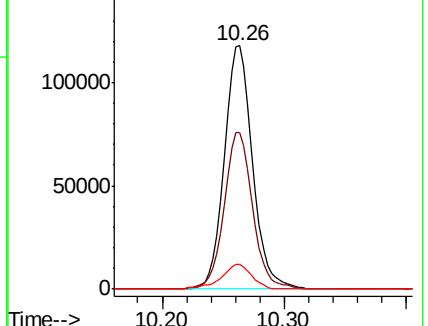
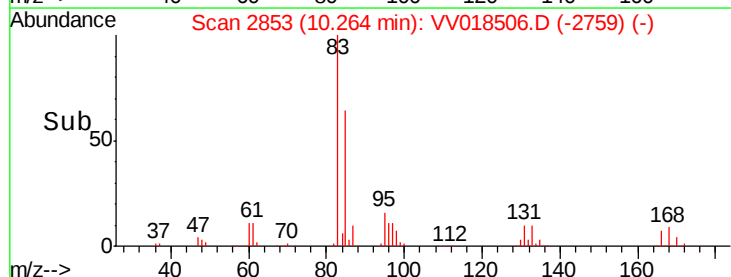
131 10.0 8.0 12.0

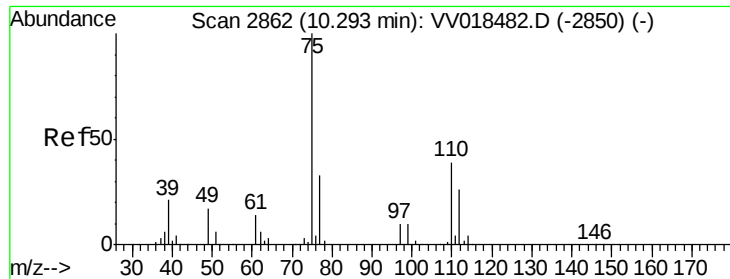


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 56.664 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

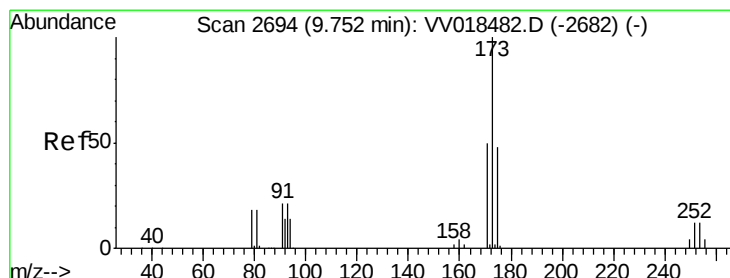
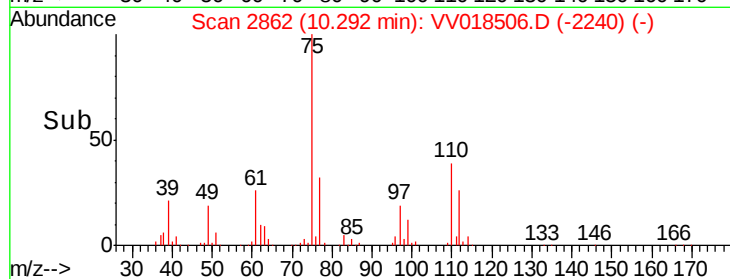
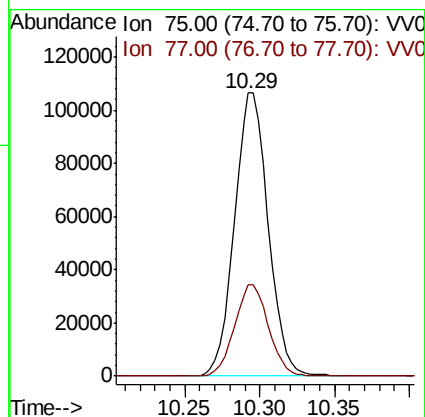
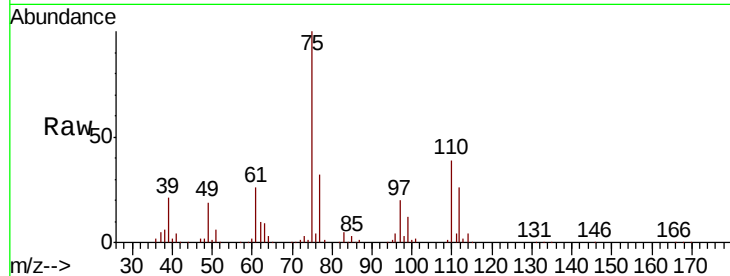
VSTD05091

Tot Ion: 75 Resp: 166992

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



#61

Bromoform

Concen: 55.708 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

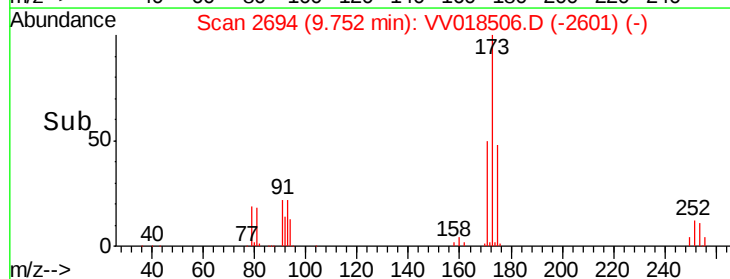
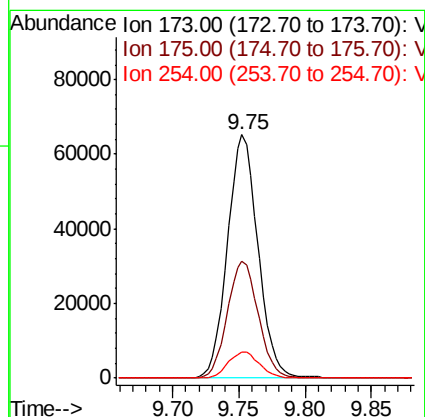
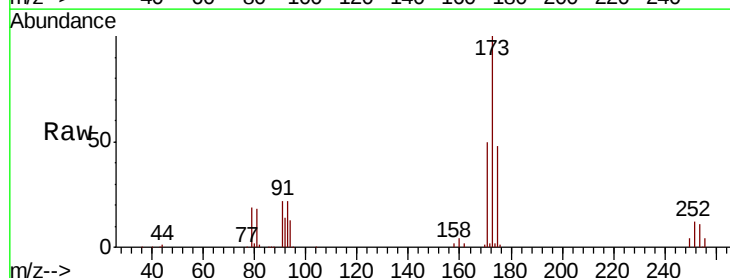
Tgt Ion: 173 Resp: 104231

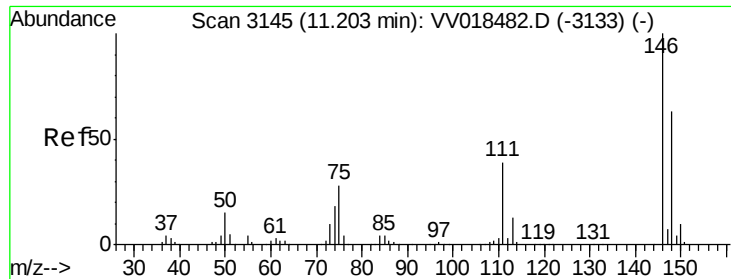
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

254 10.9 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 56.293 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

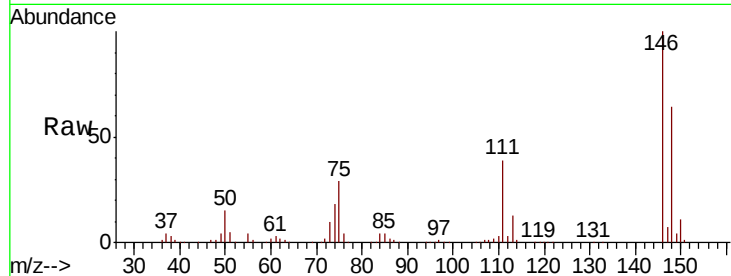
Tot Ion:146 Resp: 291535

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

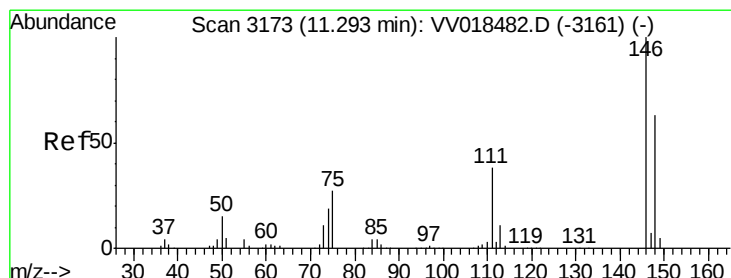
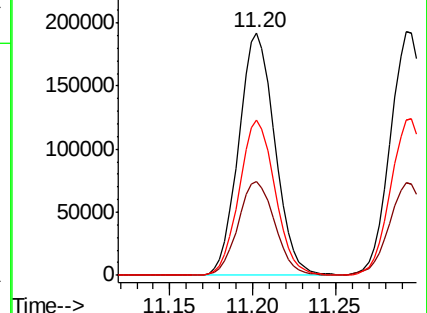
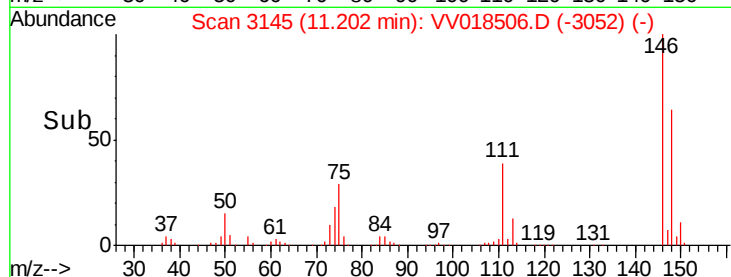
148 63.7 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 55.639 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

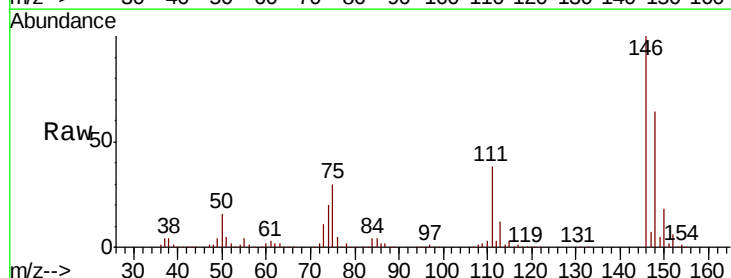
Tgt Ion:146 Resp: 296178

Ion Ratio Lower Upper

146 100

111 38.1 27.1 50.3

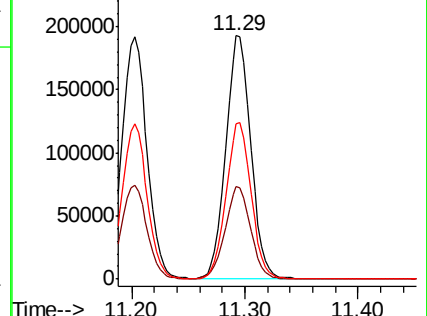
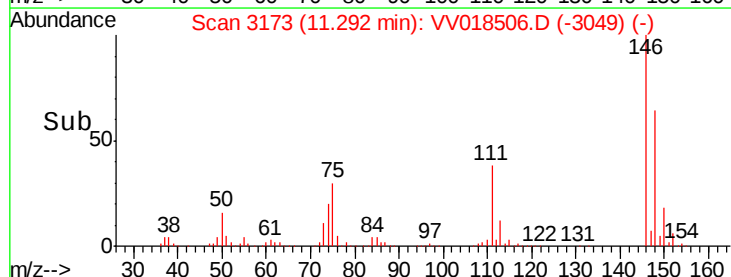
148 63.6 45.4 84.2

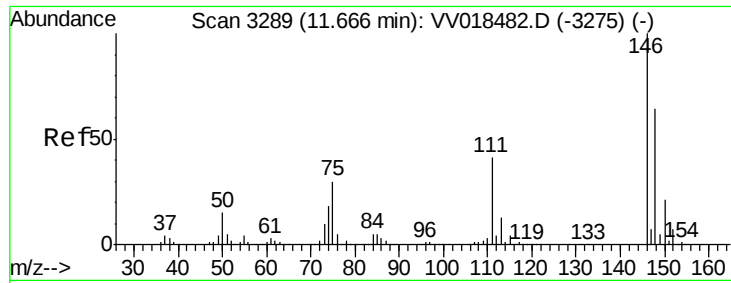


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 55.553 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

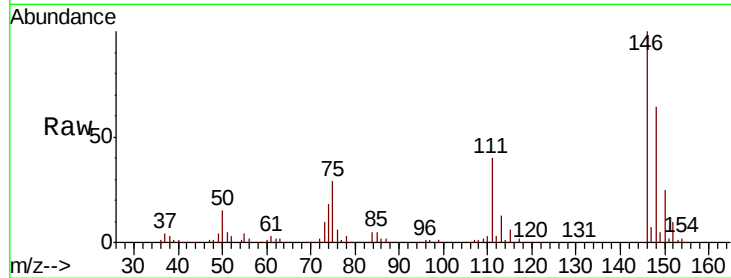
Tot Ion:146 Resp: 290799

Ion Ratio Lower Upper

146 100

111 39.9 32.8 49.2

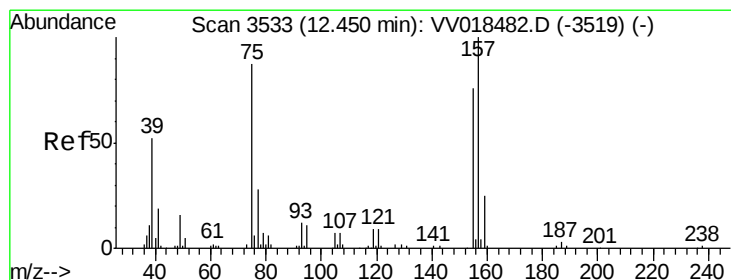
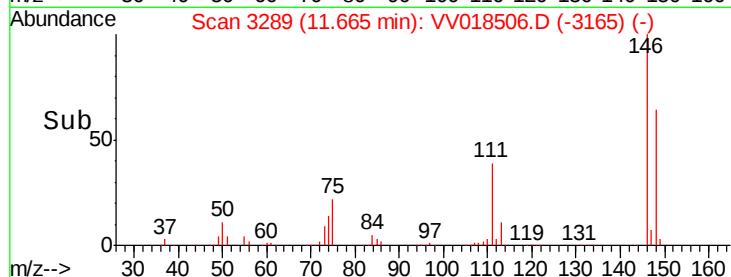
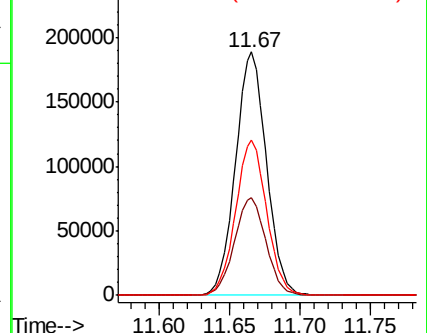
148 63.6 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): 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: 57.794 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

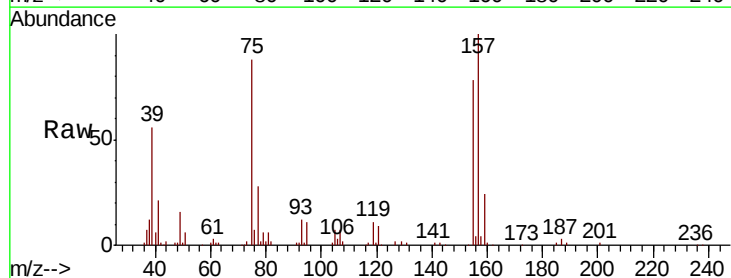
Tgt Ion: 75 Resp: 42692

Ion Ratio Lower Upper

75 100

155 88.1 69.7 104.5

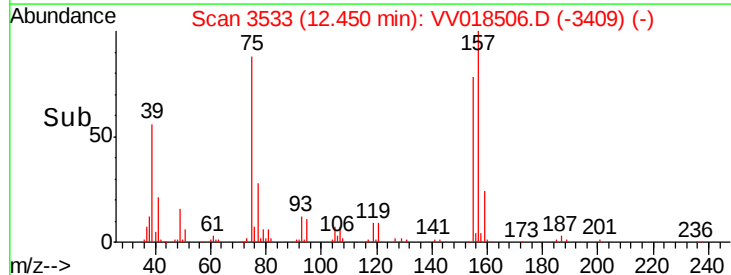
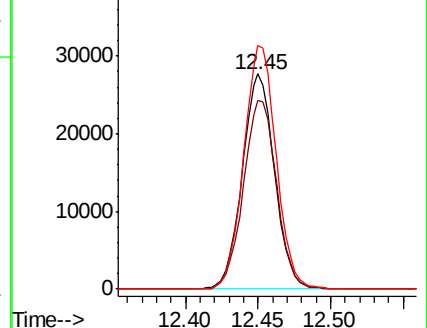
157 113.3 88.2 132.4

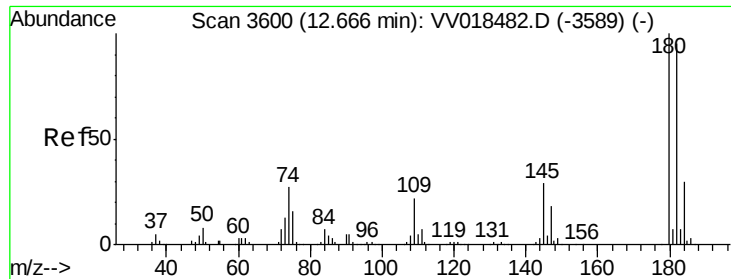


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

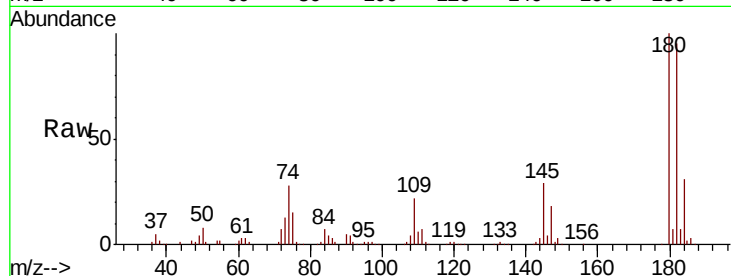




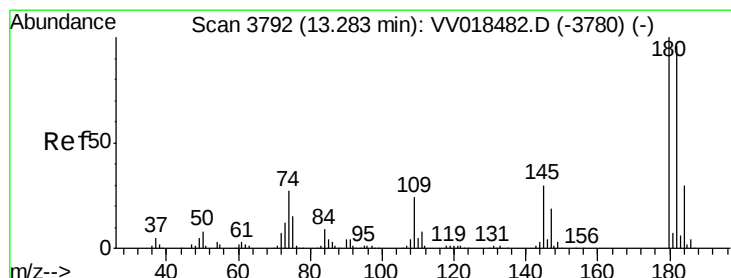
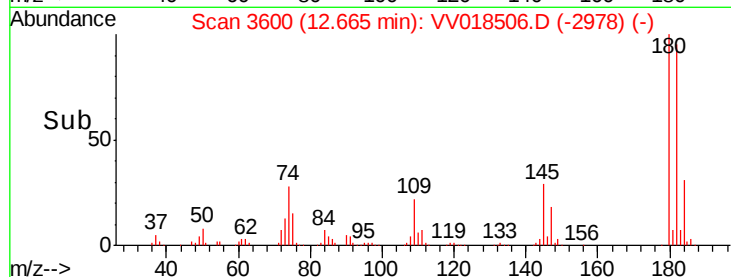
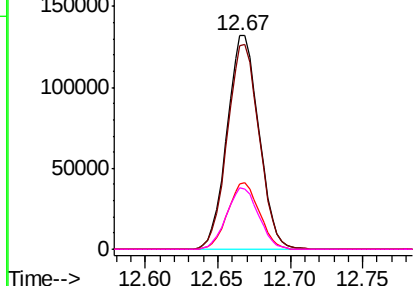
#67
 1,3,5-Trichlorobenzene
 Concen: 49.224 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Tot Ion:180	Resp:	200971
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.8 115.2
184	30.9	24.6 36.8
145	28.8	22.7 34.1

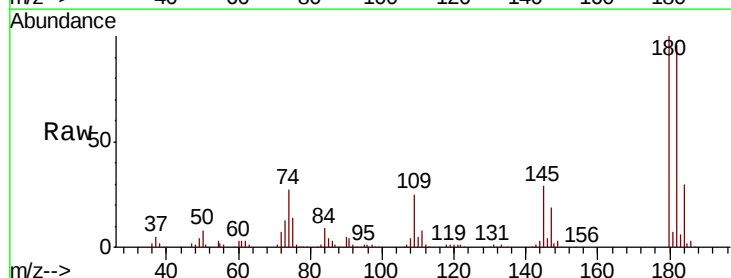


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

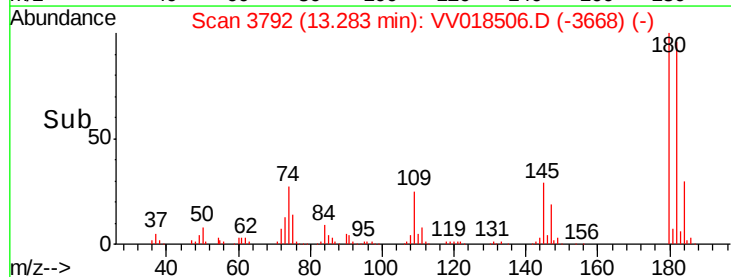
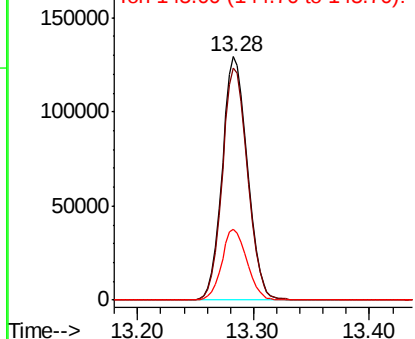


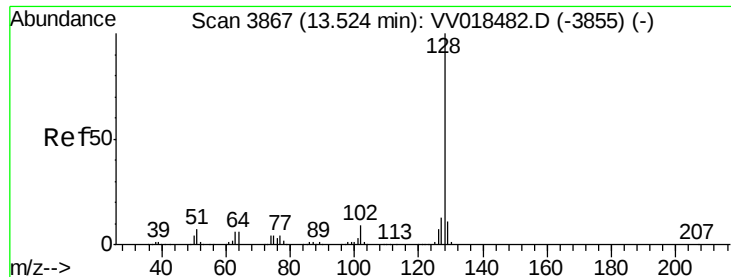
#68
 1,2,4-trichlorobenzene
 Concen: 53.832 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018506.D
 Acq: 28 Sep 2020 20:59

Tgt Ion:180	Resp:	195717
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.4 116.2
145	29.0	23.2 34.8



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





#69

Naphthalene

Concen: 67.099 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

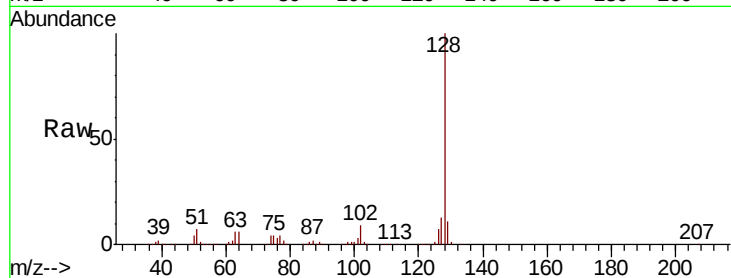
Tot Ion:128 Resp: 617272

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

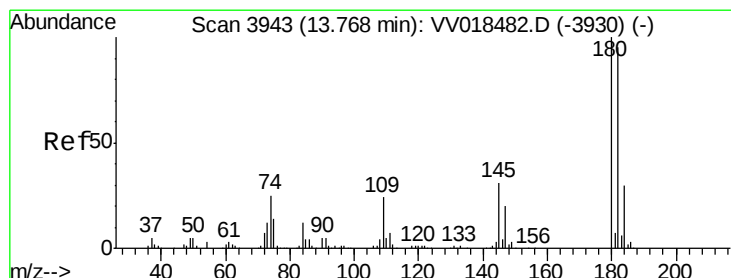
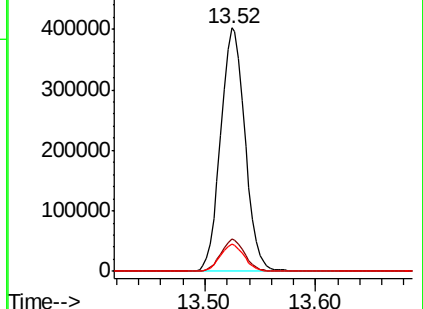
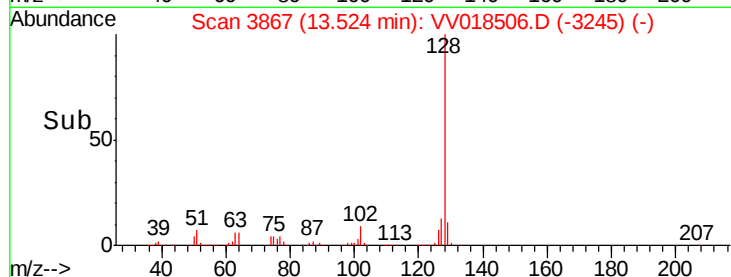
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.059 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018506.D

Acq: 28 Sep 2020 20:59

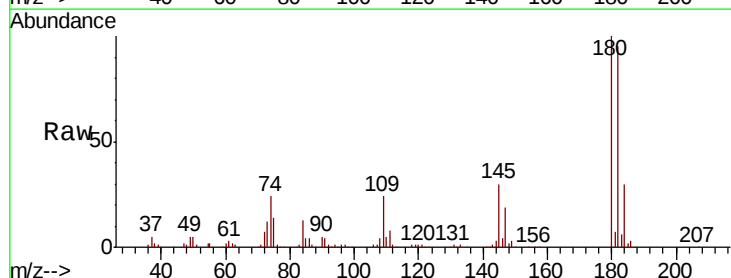
Tgt Ion:180 Resp: 197160

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 30.9 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

