

Data File : VV014483.D
Acq On : 03 Feb 2020 14:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Quant Time: Feb 04 04:47:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 04:44:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	475269	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	440013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217646	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107979	40.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.82%
7) Chloroethane-d5	1.58	69	76654	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.13	63	168423	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.60%
21) 2-Butanone-d5	3.92	46	179786	101.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.23%
24) Chloroform-d	4.39	84	254599	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.07	65	155682	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
32) Benzene-d6	5.09	84	527304	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
36) 1,2-Dichloropropane-d6	6.11	67	165080	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.08%
41) Toluene-d8	7.35	98	486252	45.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.92%
43) trans-1,3-Dichloropropene-	7.66	79	88013	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
47) 2-Hexanone-d5	8.12	63	139853	97.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.52%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	211005	44.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.36%
64) 1,2-Dichlorobenzene-d4	11.67	152	178552	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	180415	45.405	ug/L	99
3) Chloromethane	1.26	50	198985	47.965	ug/L	99
5) Vinyl chloride	1.32	62	149728	44.914	ug/L	99
6) Bromomethane	1.53	94	55172	49.672	ug/L	100
8) Chloroethane	1.60	64	69950	47.786	ug/L	99
9) Trichlorofluoromethane	1.77	101	183766	47.877	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	93061	51.715	ug/L	98
12) 1,1-Dichloroethene	2.14	96	87271	48.271	ug/L	91
13) Acetone	2.18	43	167837	110.753	ug/L	94
14) Carbon disulfide	2.32	76	412853	46.494	ug/L	99
15) Methyl Acetate	2.45	43	144125	49.353	ug/L	99
16) Methylene chloride	2.53	84	154060	44.255	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	146860	46.832	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	460392	47.730	ug/L	99
19) 1,1-Dichloroethane	3.23	63	265920	46.472	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	161777	46.255	ug/L	99
22) 2-Butanone	4.00	43	223974	102.571	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	74904	45.684	ug/L	96
25) Chloroform	4.42	83	262771	45.590	ug/L	99
27) 1,2-Dichloroethane	5.17	62	192047	46.865	ug/L	100
29) Cyclohexane	4.72	56	259357	48.247	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	227474	48.243	ug/L	99
31) Carbon tetrachloride	4.87	117	201755	49.040	ug/L	98
33) Benzene	5.14	78	592811	45.660	ug/L	100
34) Trichloroethene	5.96	95	153367	46.770	ug/L	98
35) Methylcyclohexane	6.17	83	259540	47.634	ug/L	98
37) 1,2-Dichloropropane	6.21	63	149159	45.973	ug/L	100
38) Bromodichloromethane	6.55	83	200796	46.222	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	253287	47.476	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	384073	97.915	ug/L	98
42) Toluene	7.42	91	628540	46.247	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	225443	47.582	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	138651	45.229	ug/L	99
46) Tetrachloroethene	8.01	164	115564	48.188	ug/L	98
48) 2-Hexanone	8.17	43	305997	99.728	ug/L	97
49) Dibromochloromethane	8.28	129	157980	46.840	ug/L	100
50) 1,2-Dibromoethane	8.39	107	151075	46.286	ug/L	100
51) Chlorobenzene	8.92	112	399888	45.994	ug/L	100
52) Ethylbenzene	9.05	91	702849	46.076	ug/L	100
53) m,p-Xylene	9.17	106	268792	47.190	ug/L	99
54) o-xylene	9.58	106	258464	45.795	ug/L	99
55) Styrene	9.60	104	444209	46.897	ug/L	99
56) Isopropylbenzene	9.97	105	680515	47.156	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	218537	44.625	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	172589	45.013	ug/L	99
61) Bromoform	9.77	173	106354	46.768	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	311797	46.579	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	316578	45.939	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	297835	45.014	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	46285	44.005	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	216612	48.033	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	197902	48.309	ug/L	100
69) Naphthalene	13.54	128	645808	49.779	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	190150	48.170	ug/L	98

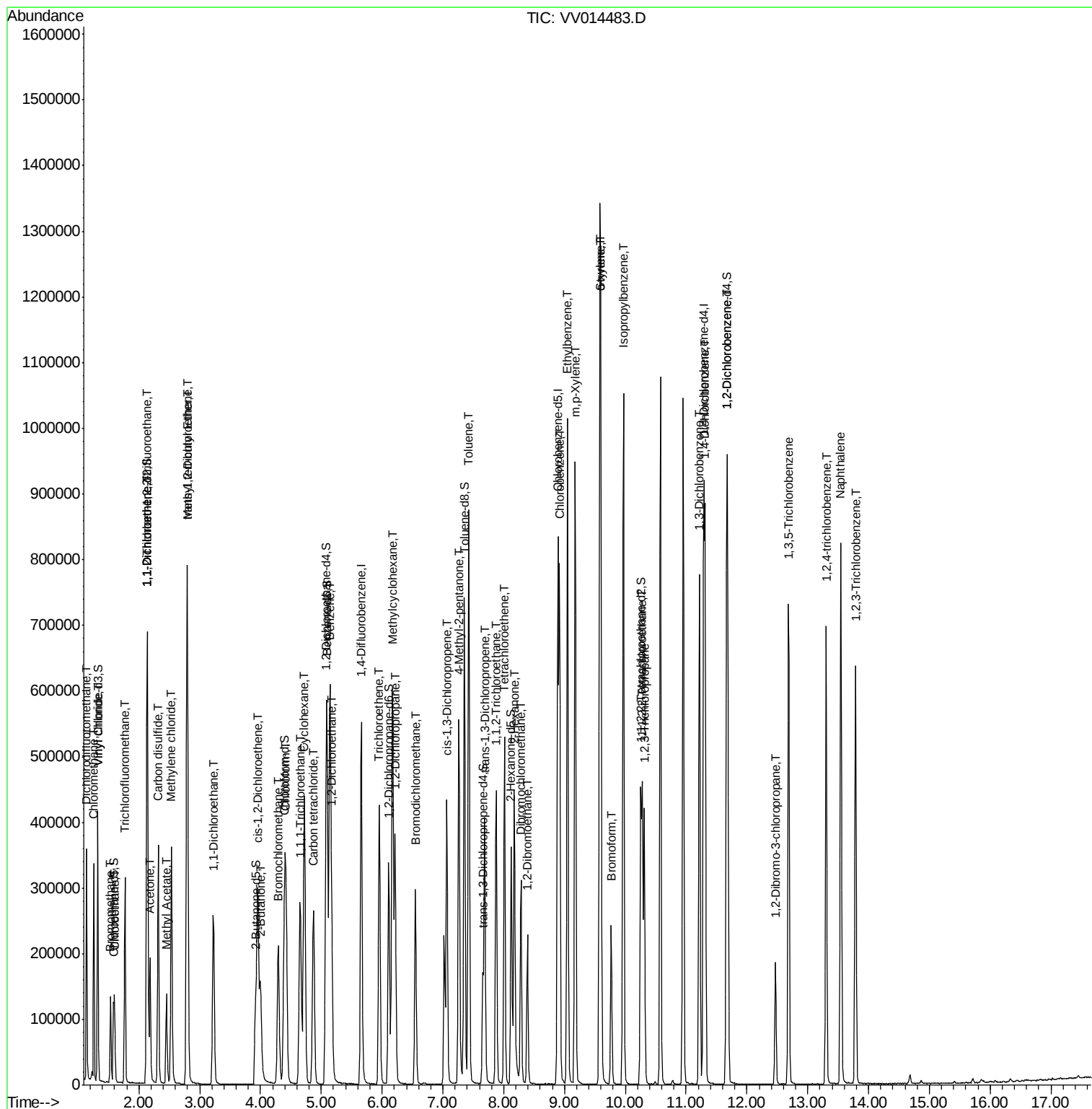
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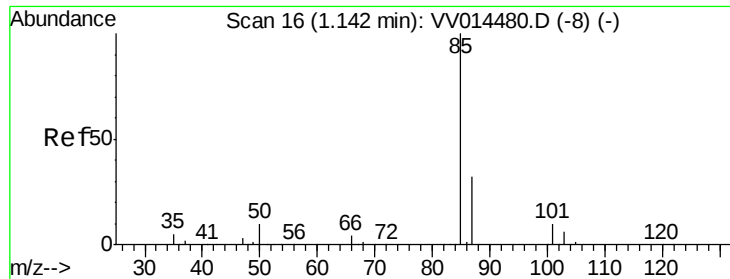
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#2

Dichlorodifluoromethane

Concen: 45.405 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

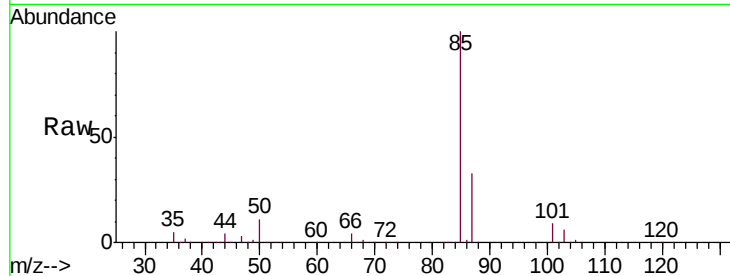
VSTD05089

Tgt Ion: 85 Resp: 180415

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014480.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014480.D (-8) (-)

1.14

200000

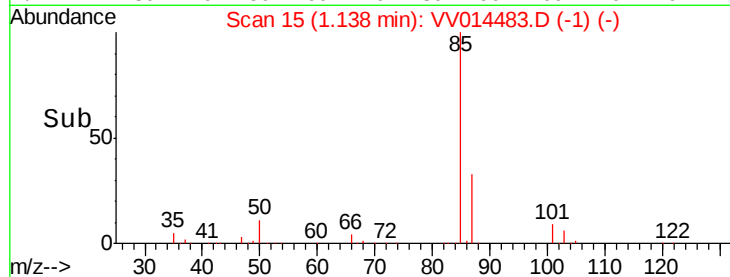
150000

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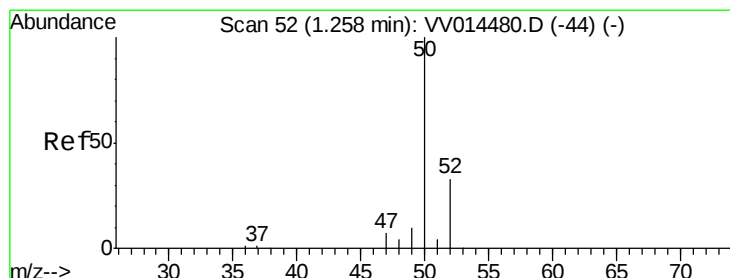
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 47.965 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014483.D

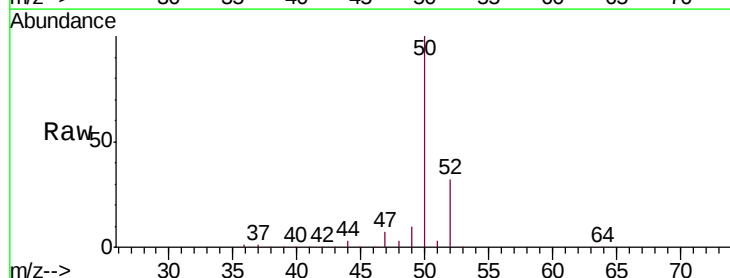
Acq: 03 Feb 2020 14:21

Tgt Ion: 50 Resp: 198985

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014480.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014480.D (-44) (-)

1.26

200000

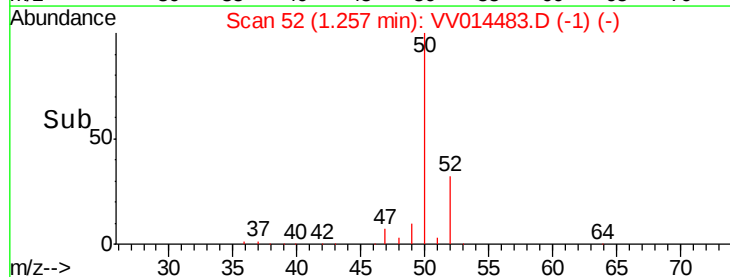
150000

100000

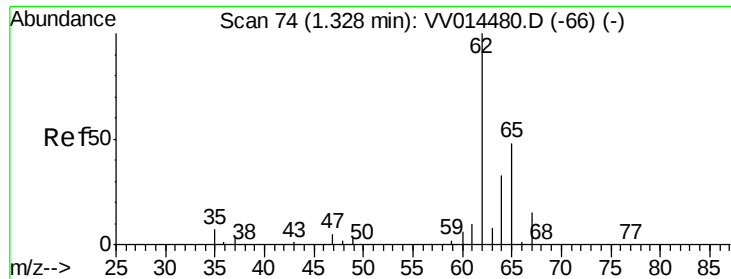
50000

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Time-->



Time-->



#5

Vinyl chloride

Concen: 44.914 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

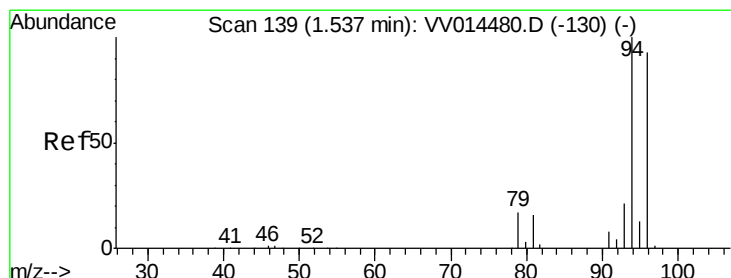
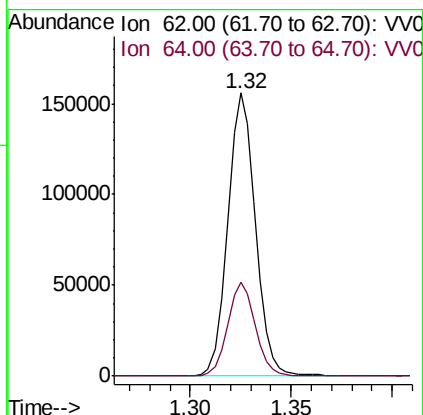
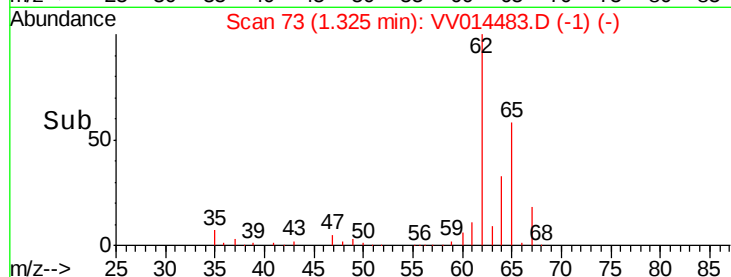
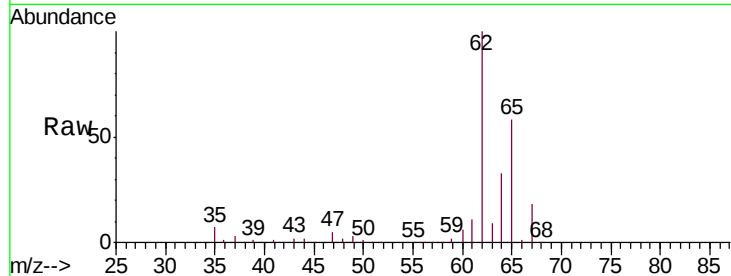
VSTD05089

Tgt Ion: 62 Resp: 149728

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#6

Bromomethane

Concen: 49.672 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014483.D

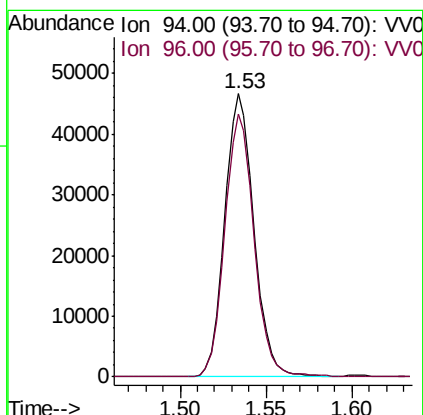
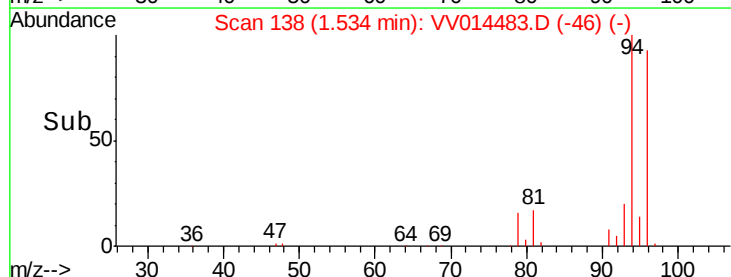
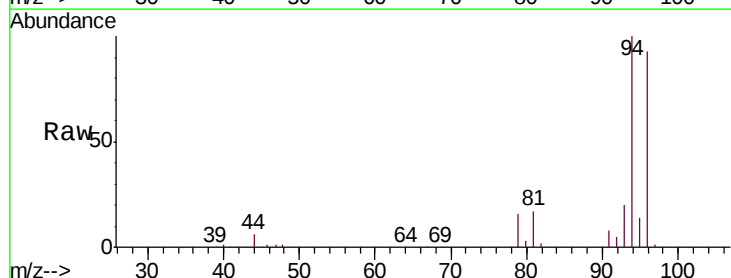
Acq: 03 Feb 2020 14:21

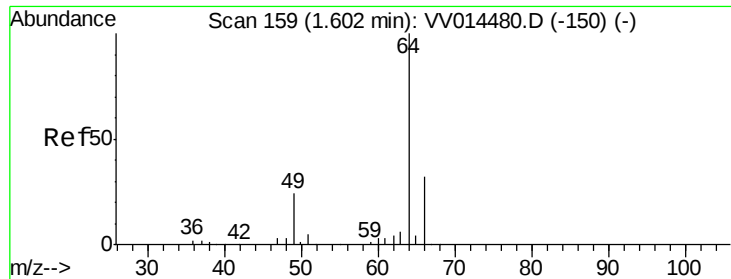
Tgt Ion: 94 Resp: 55172

Ion Ratio Lower Upper

94 100

96 92.8 65.0 120.8





#8

Chloroethane

Concen: 47.786 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

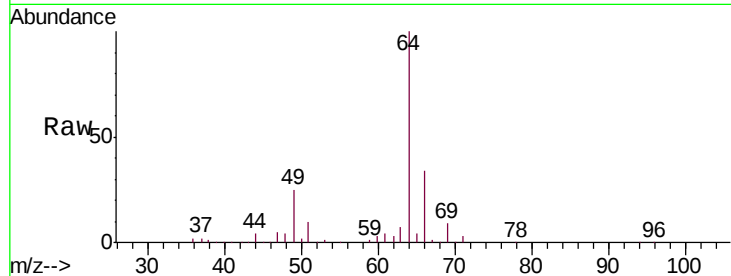
VSTD05089

Tgt Ion: 64 Resp: 69950

Ion Ratio Lower Upper

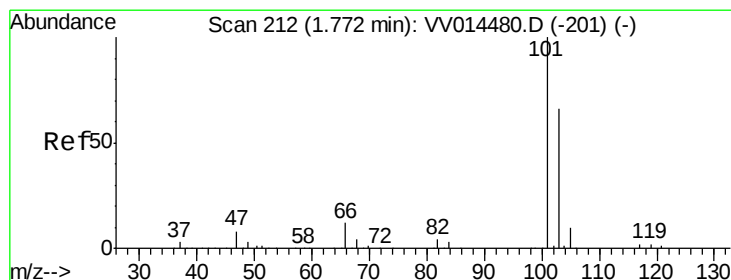
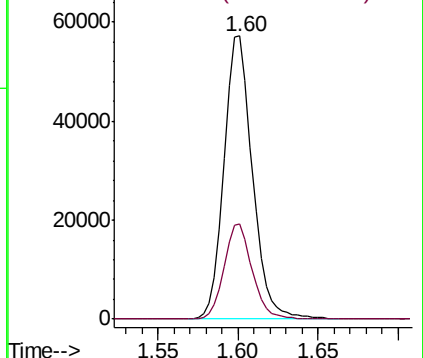
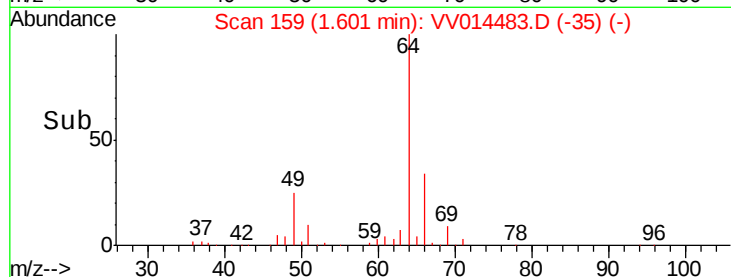
64 100

66 33.6 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014480.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014483.D (-35) (-)



#9

Trichlorofluoromethane

Concen: 47.877 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014483.D

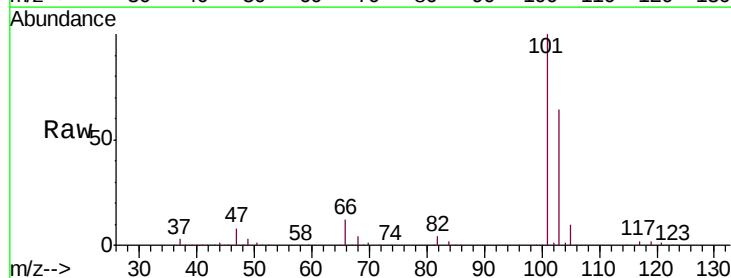
Acq: 03 Feb 2020 14:21

Tgt Ion: 101 Resp: 183766

Ion Ratio Lower Upper

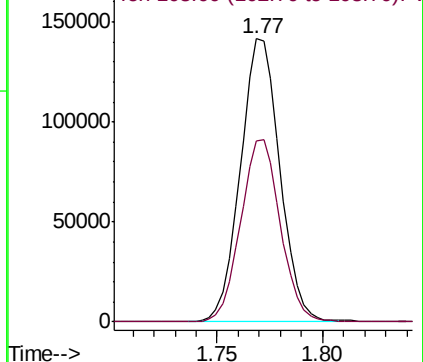
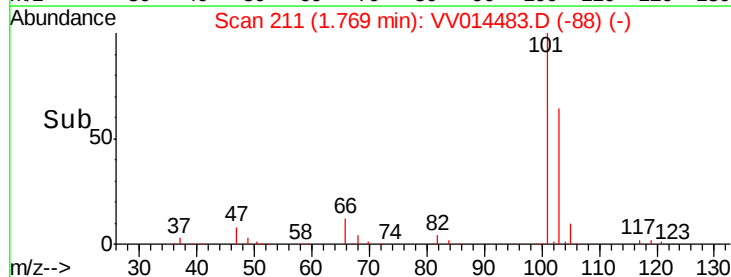
101 100

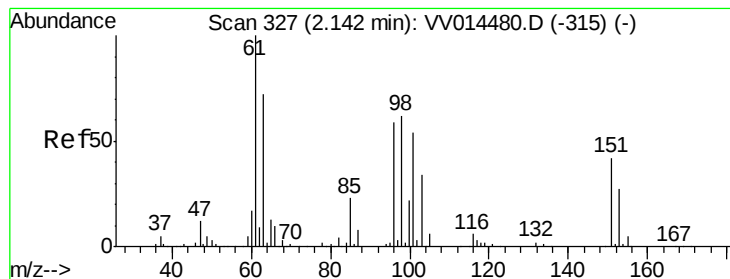
103 65.0 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014480.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014483.D (-88) (-)





#10

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

Concen: 51.715 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

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ClientSampleId :

VSTD05089

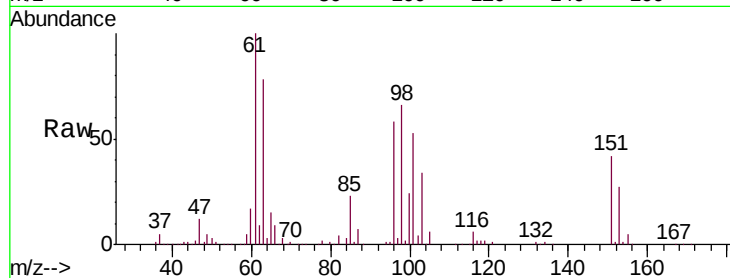
Tgt Ion: 101 Resp: 93061

Ion Ratio Lower Upper

101 100

85 42.2 34.6 51.8

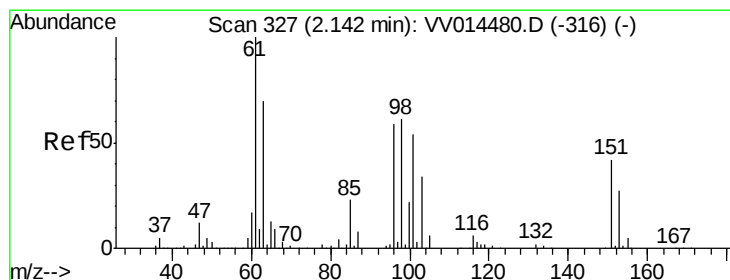
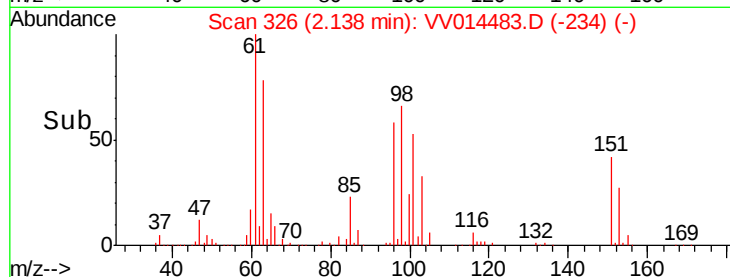
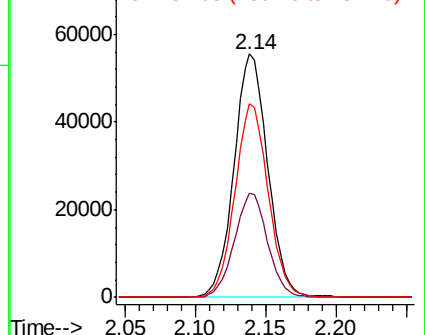
151 78.3 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.271 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

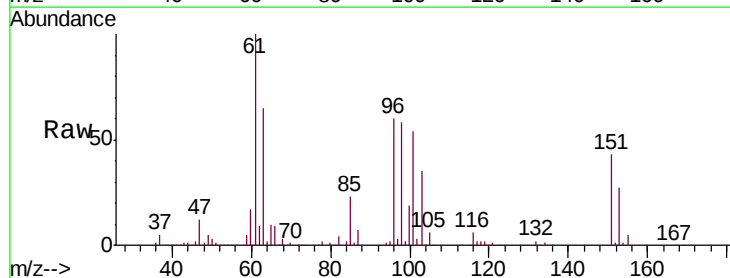
Tgt Ion: 96 Resp: 87271

Ion Ratio Lower Upper

96 100

61 166.3 120.5 223.7

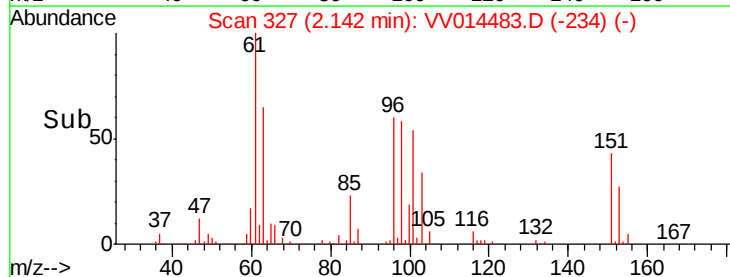
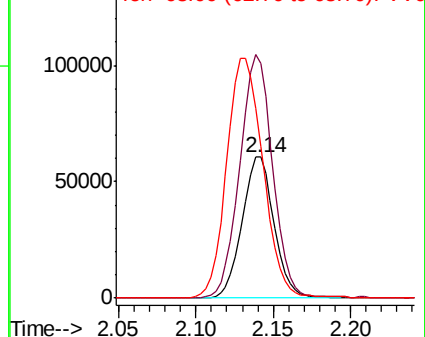
63 107.6 87.1 161.7

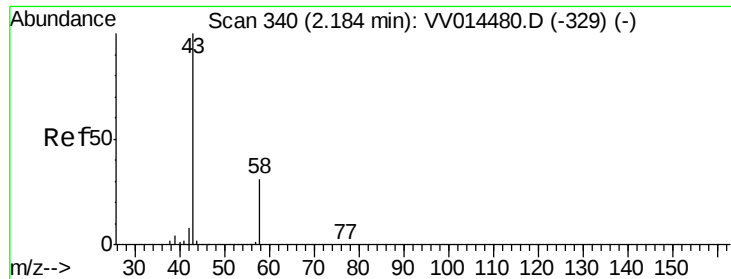


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 110.753 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV014483.D

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MSVOA_V

ClientSampleId :

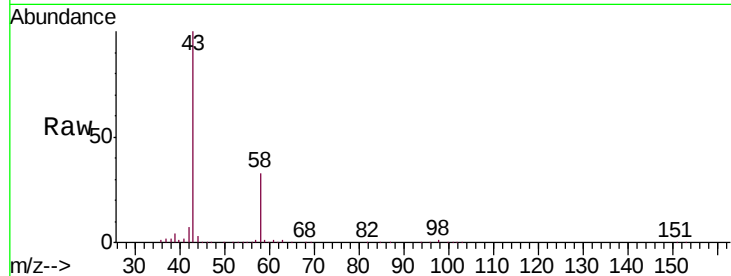
VSTD05089

Tgt Ion: 43 Resp: 167837

Ion Ratio Lower Upper

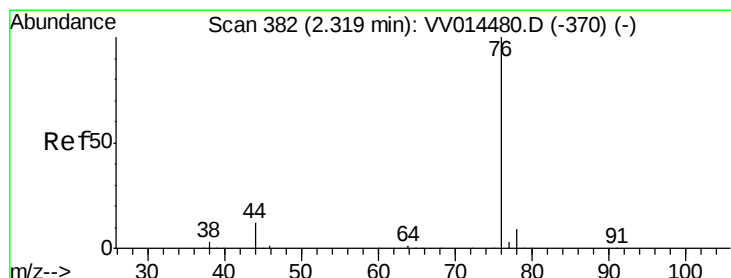
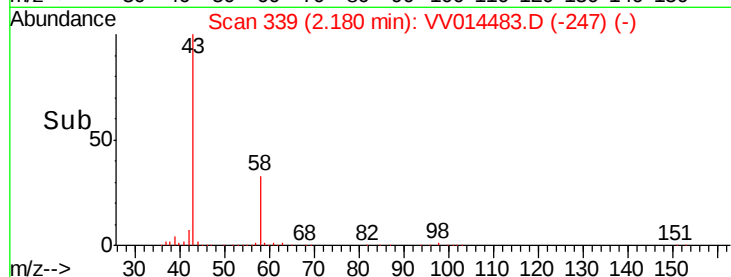
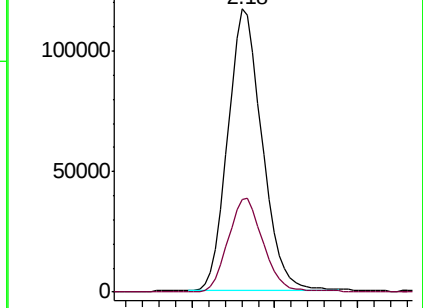
43 100

58 33.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV014483.D (-247) (-)



#14

Carbon disulfide

Concen: 46.494 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014483.D

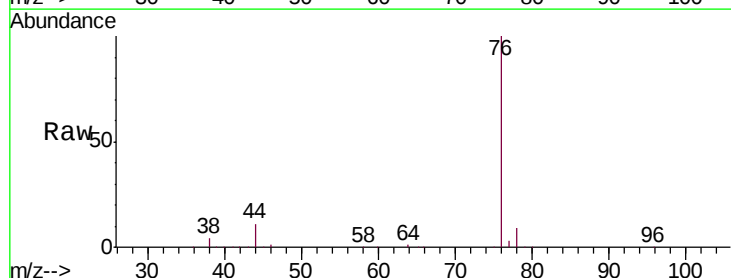
Acq: 03 Feb 2020 14:21

Tgt Ion: 76 Resp: 412853

Ion Ratio Lower Upper

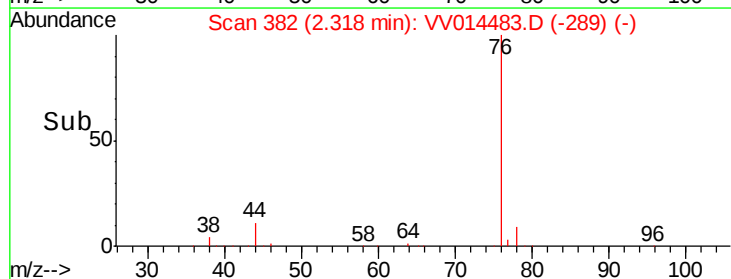
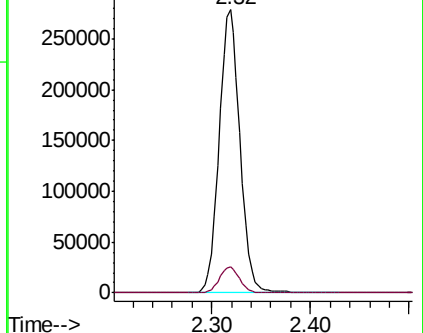
76 100

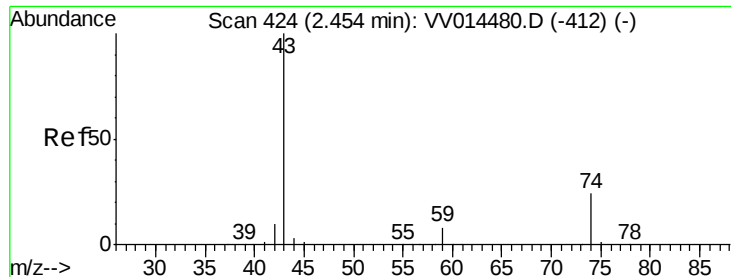
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014483.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014483.D (-289) (-)





#15

Methyl Acetate

Concen: 49.353 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

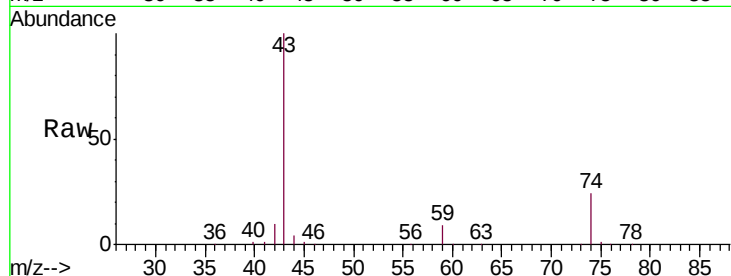
VSTD05089

Tgt Ion: 43 Resp: 144125

Ion Ratio Lower Upper

43 100

74 23.9 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

100000

80000

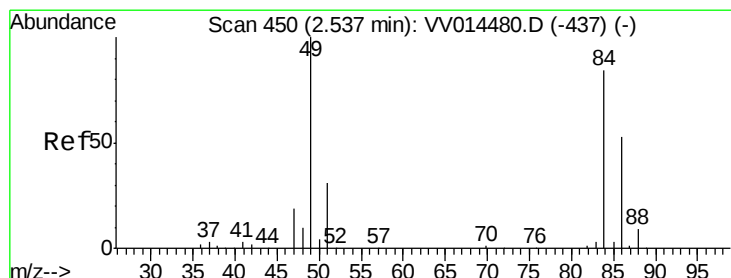
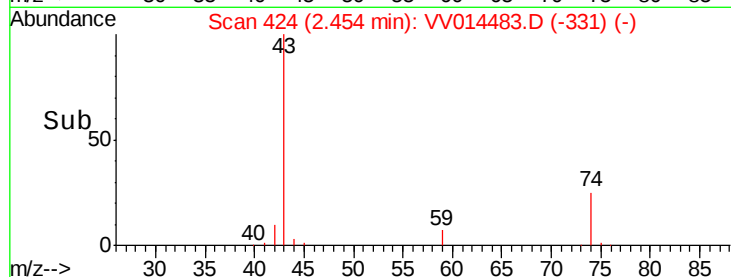
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 44.255 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

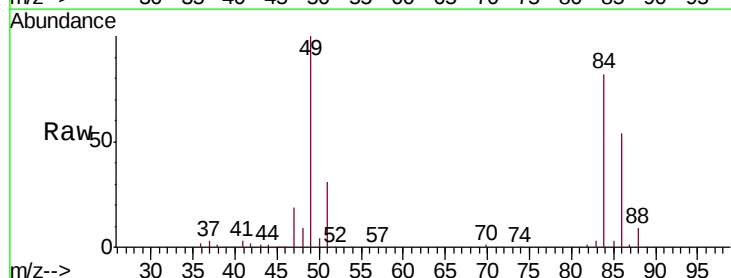
Tgt Ion: 84 Resp: 154060

Ion Ratio Lower Upper

84 100

86 66.2 45.6 84.8

49 122.0 82.7 153.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

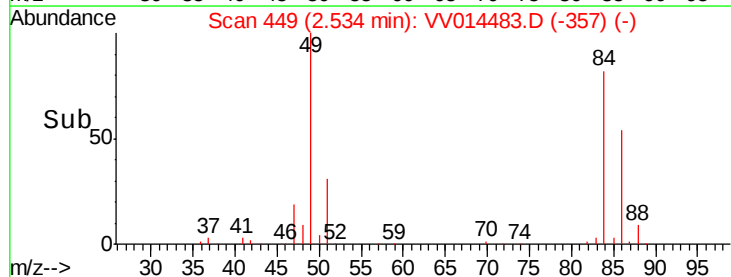
150000

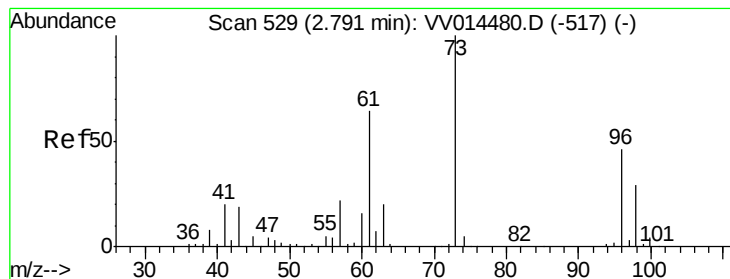
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 46.832 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

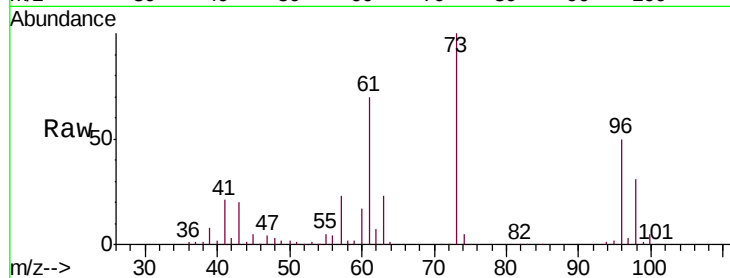
Tgt Ion: 96 Resp: 146860

Ion Ratio Lower Upper

96 100

61 139.2 96.7 179.7

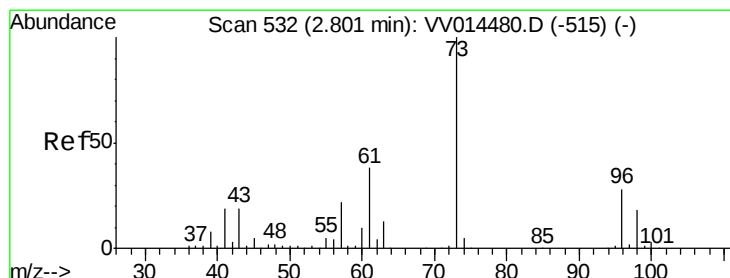
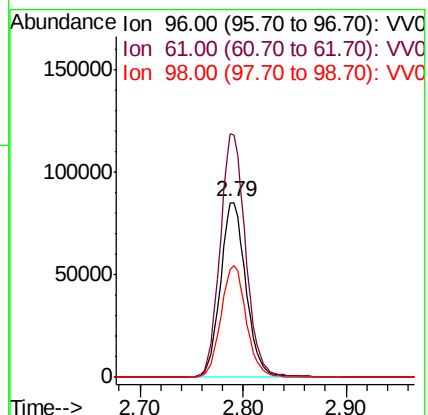
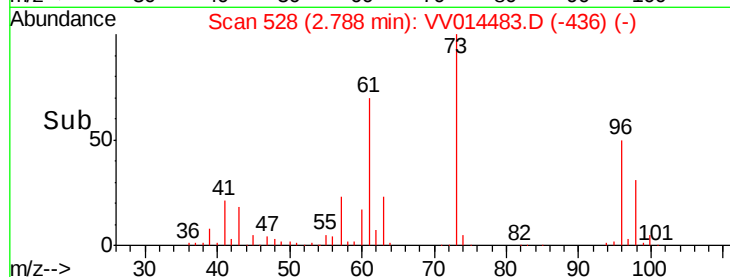
98 62.1 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV014483.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV014483.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV014483.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 47.730 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

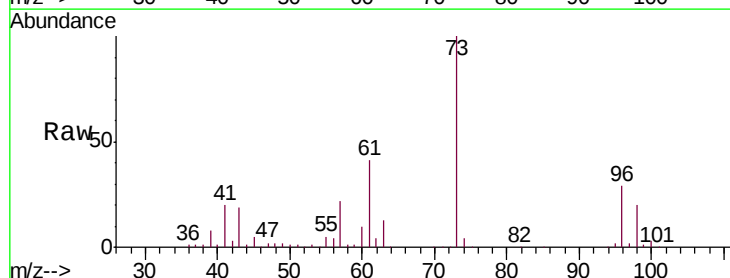
Tgt Ion: 73 Resp: 460392

Ion Ratio Lower Upper

73 100

43 18.6 14.1 21.1

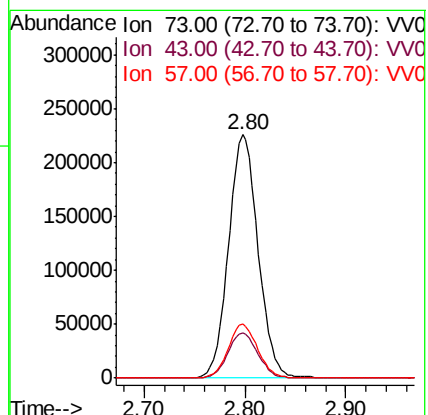
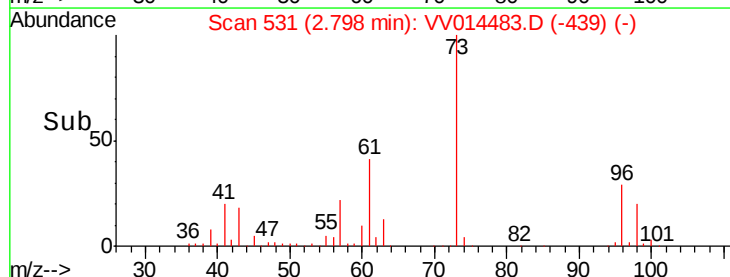
57 22.1 17.9 26.9

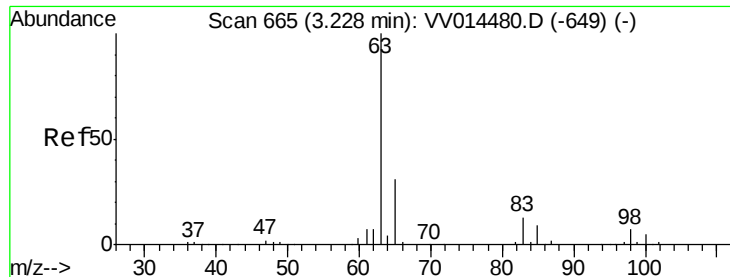


Abundance Ion 73.00 (72.70 to 73.70): VV014483.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV014483.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV014483.D (-439) (-)

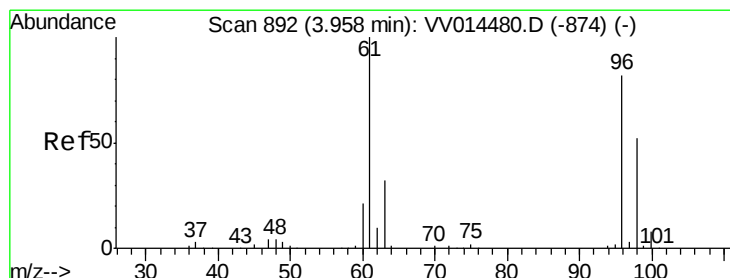
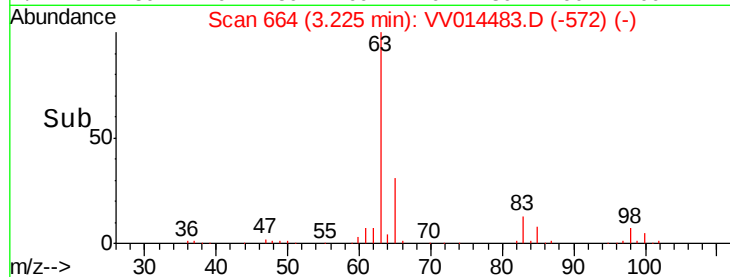
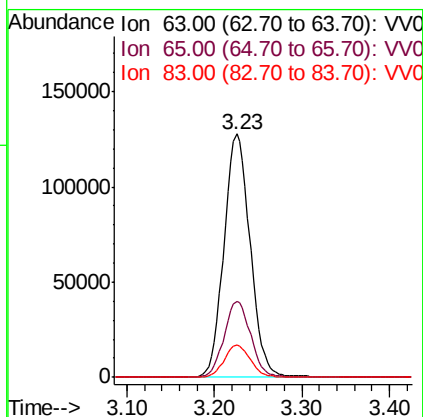
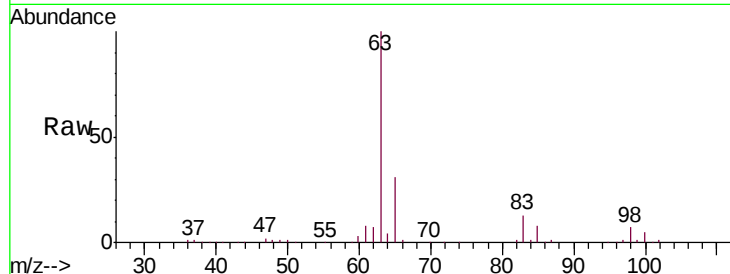




#19
 1,1-Dichloroethane
 Concen: 46.472 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

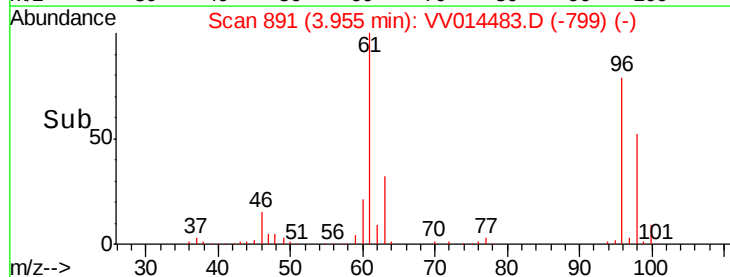
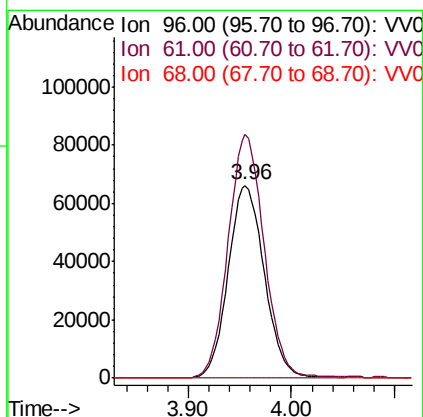
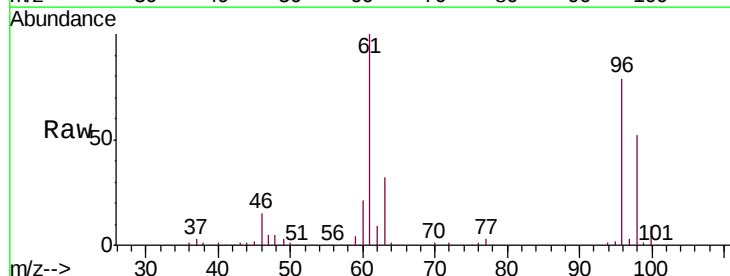
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

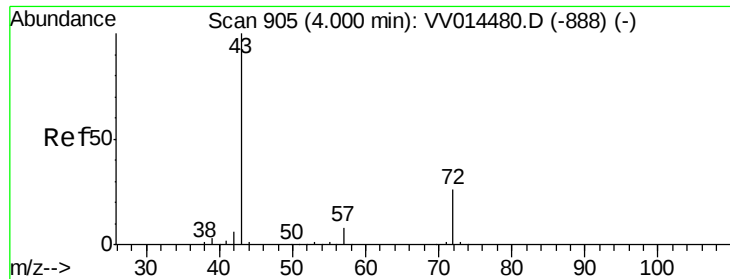
Tgt Ion: 63 Resp: 265920
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 13.4 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 46.255 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

Tgt Ion: 96 Resp: 161777
 Ion Ratio Lower Upper
 96 100
 61 126.3 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.571 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

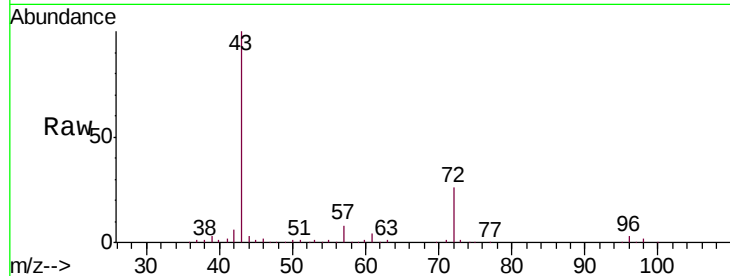
VSTD05089

Tgt Ion: 43 Resp: 223974

Ion Ratio Lower Upper

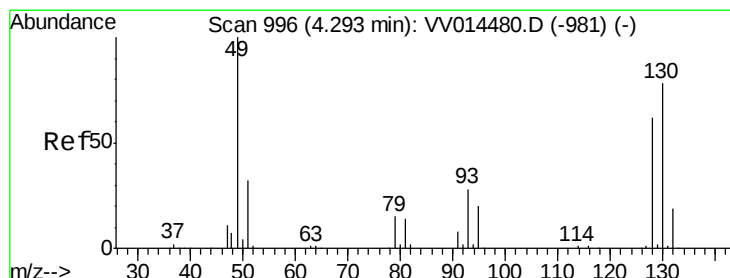
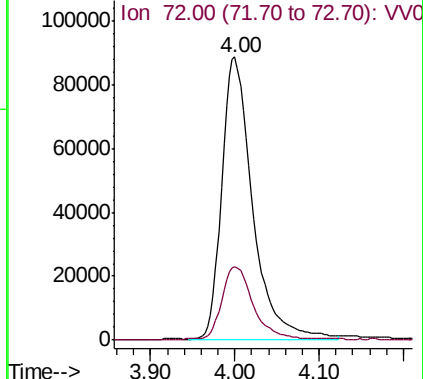
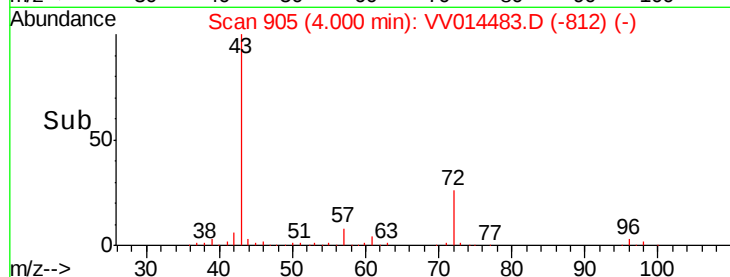
43 100

72 26.2 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV014483.D (-812) (-)



#23

Bromochloromethane

Concen: 45.684 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Tgt Ion: 128 Resp: 74904

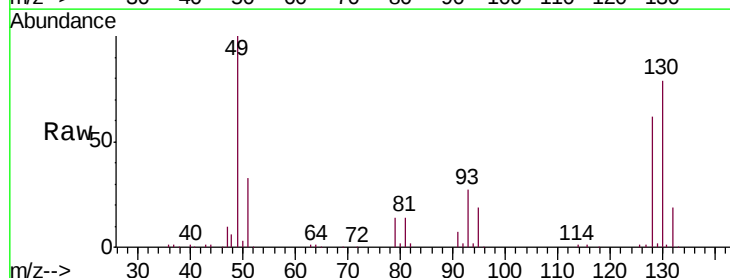
Ion Ratio Lower Upper

128 100

49 160.3 118.8 220.6

130 126.5 90.7 168.5

51 53.2 42.8 64.2

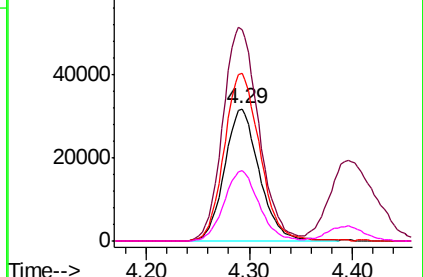
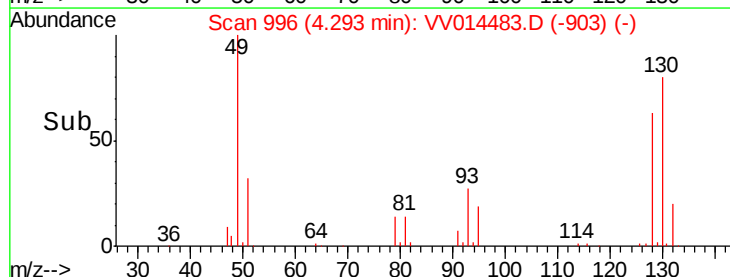


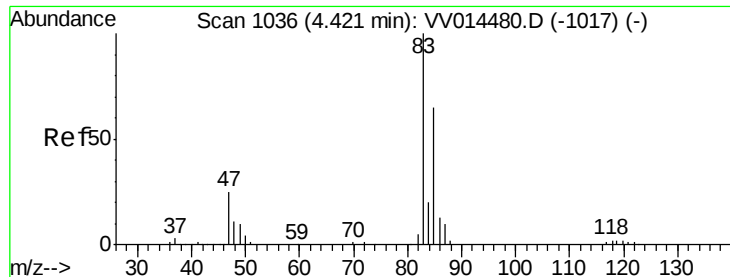
Abundance Ion 128.00 (127.70 to 128.70): VV014483.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV014483.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV014483.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV014483.D (-903) (-)

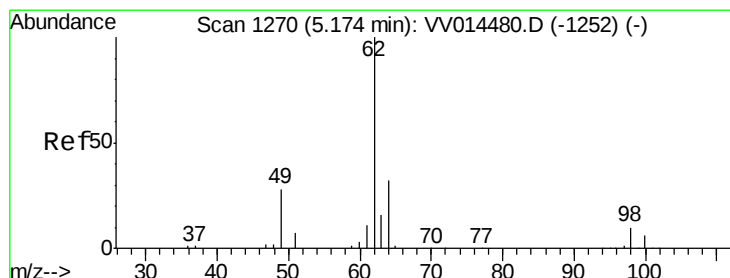
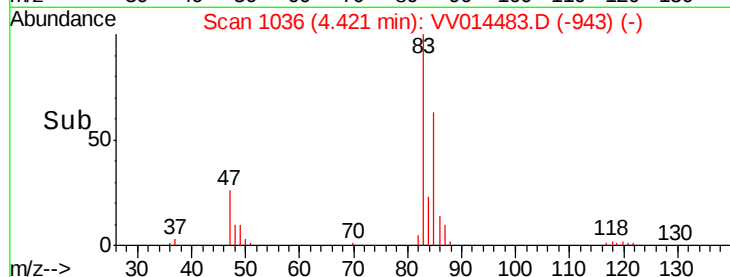
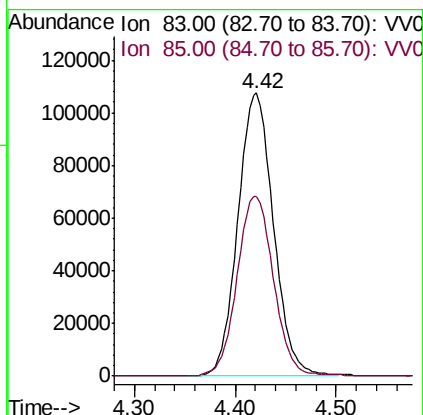
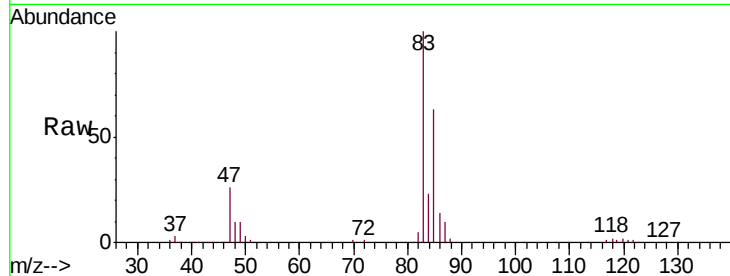




#25
Chloroform
Concen: 45.590 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

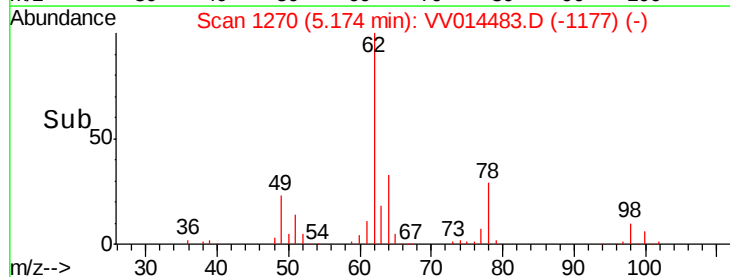
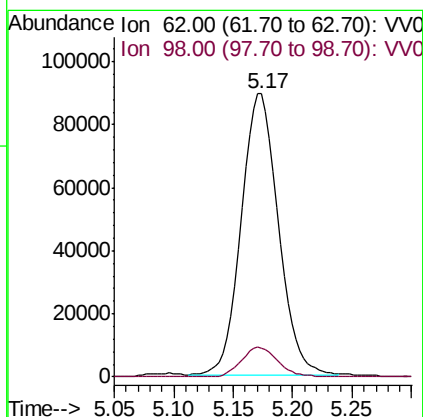
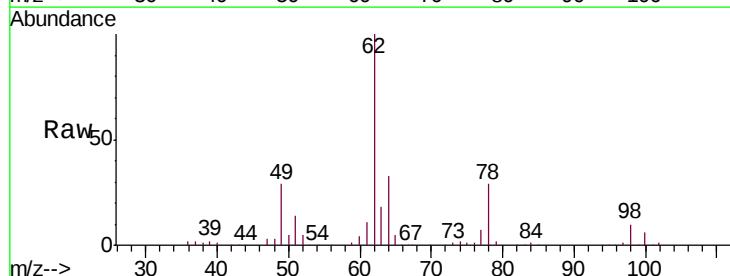
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

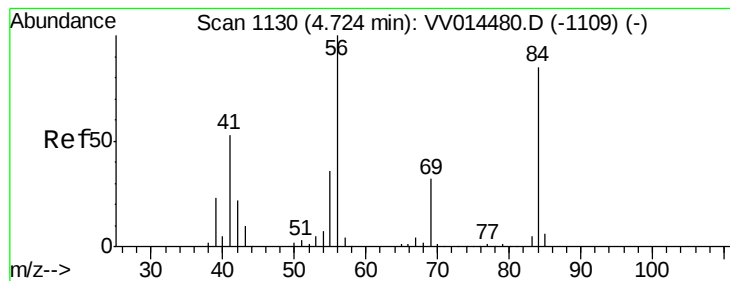
Tgt Ion: 83 Resp: 262771
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 46.865 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

Tgt Ion: 62 Resp: 192047
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 48.247 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

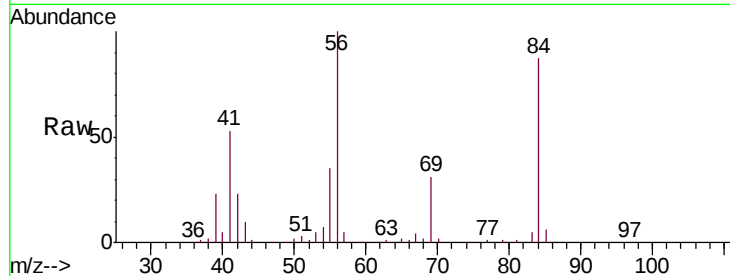
Tgt Ion: 56 Resp: 259357

Ion Ratio Lower Upper

56 100

69 30.9 24.9 37.3

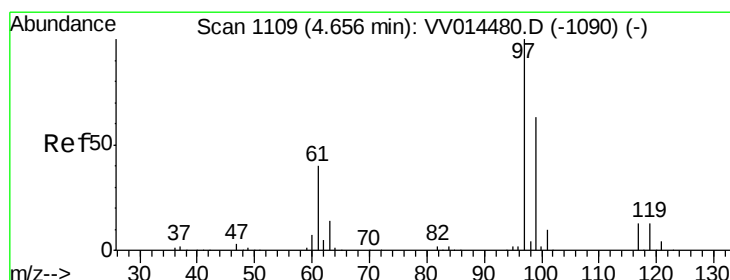
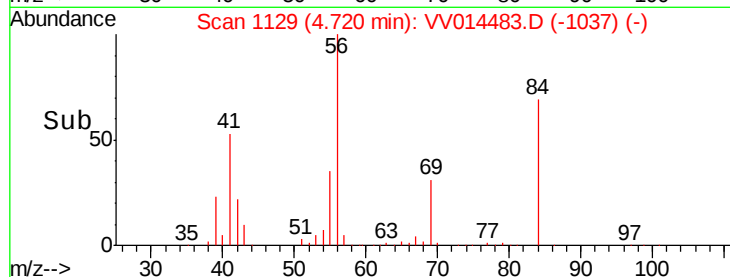
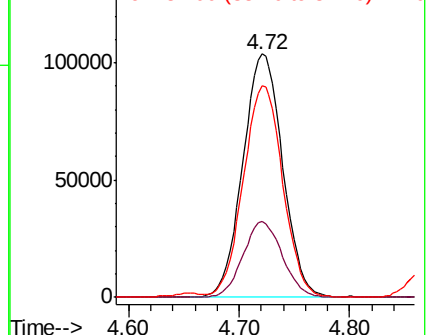
84 86.1 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VV014483.D (-1129) (-)

Ion 69.00 (68.70 to 69.70): VV014483.D (-1129) (-)

Ion 84.00 (83.70 to 84.70): VV014483.D (-1129) (-)



#30

1,1,1-Trichloroethane

Concen: 48.243 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

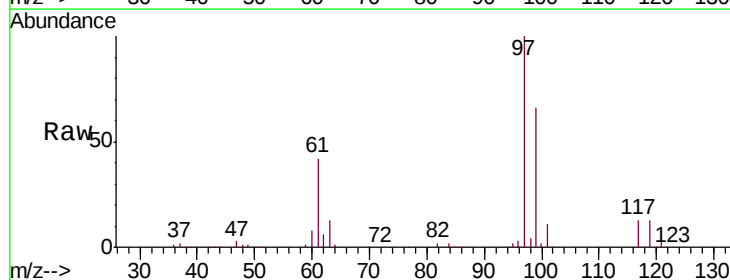
Tgt Ion: 97 Resp: 227474

Ion Ratio Lower Upper

97 100

99 64.3 50.6 76.0

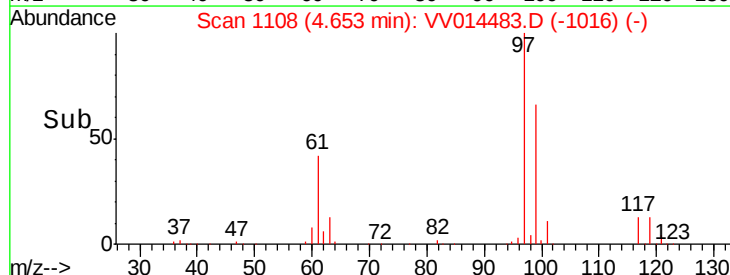
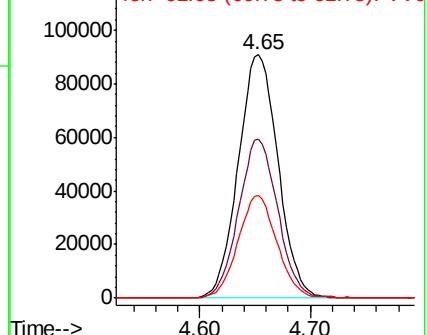
61 41.4 33.0 49.4

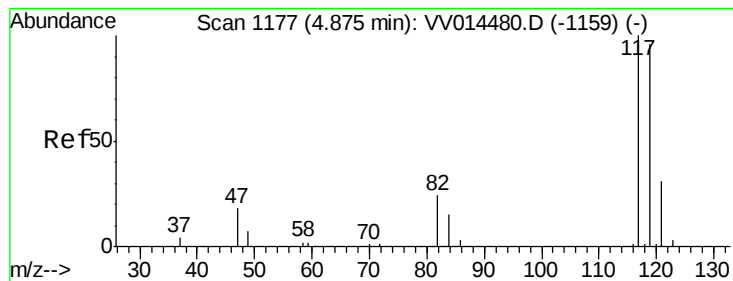


Abundance Ion 97.00 (96.70 to 97.70): VV014483.D (-1108) (-)

Ion 99.00 (98.70 to 99.70): VV014483.D (-1108) (-)

Ion 61.05 (60.75 to 61.75): VV014483.D (-1108) (-)





#31

Carbon tetrachloride

Concen: 49.040 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

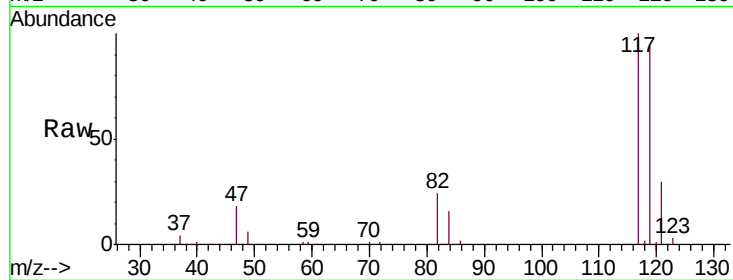
VSTD05089

Tgt Ion:117 Resp: 201755

Ion Ratio Lower Upper

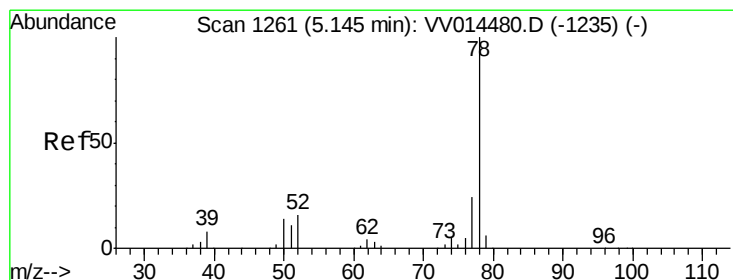
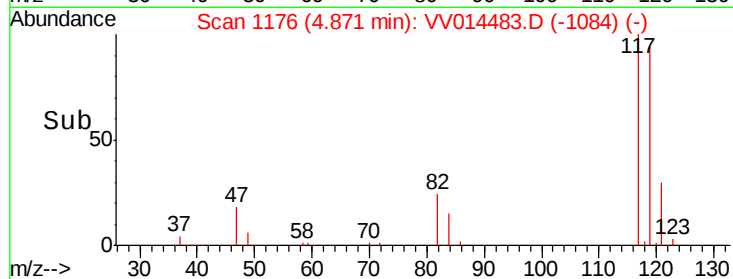
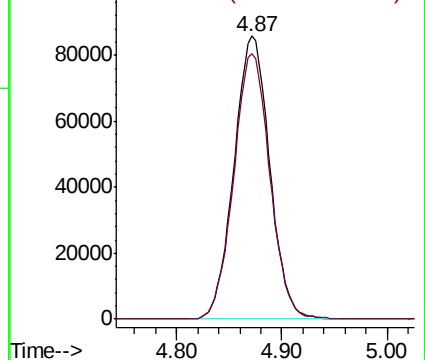
117 100

119 95.0 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.660 ug/L

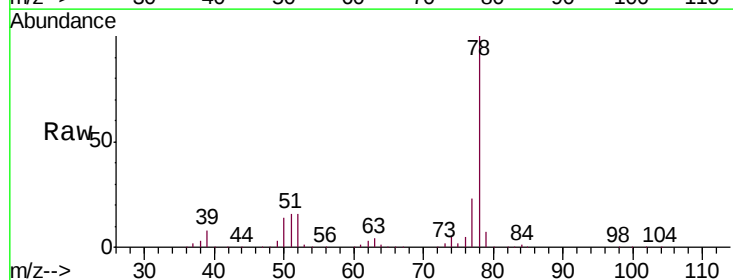
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

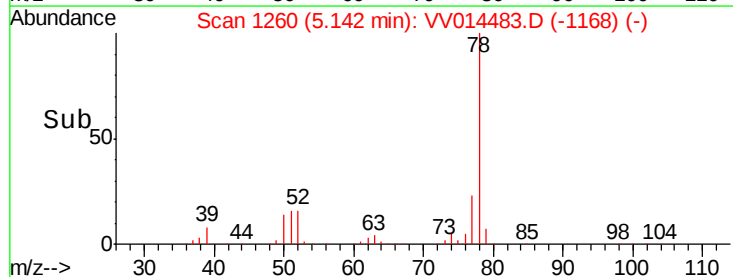
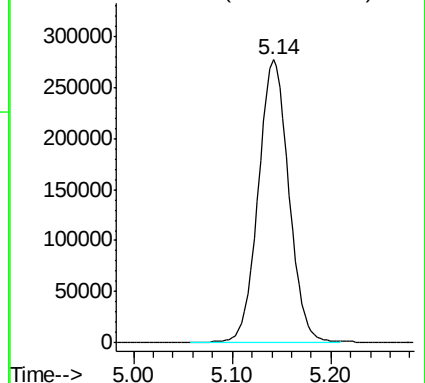
Lab File: VV014483.D

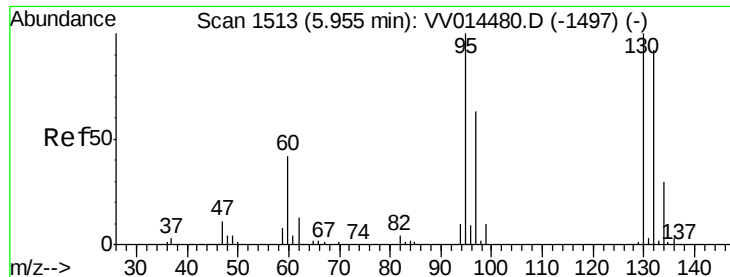
Acq: 03 Feb 2020 14:21

Tgt Ion: 78 Resp: 592811



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.770 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tgt Ion: 95 Resp: 153367

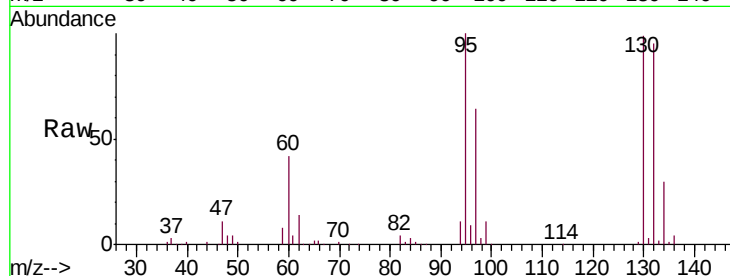
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 94.7 65.4 121.4

130 99.3 67.7 125.7

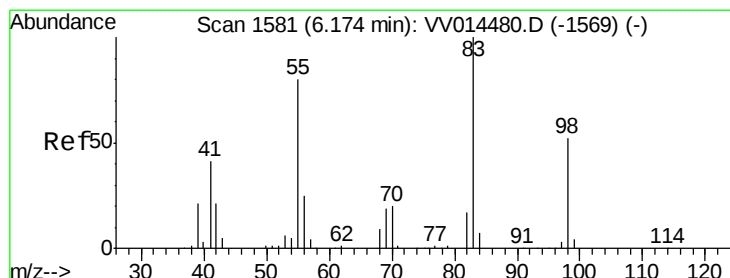
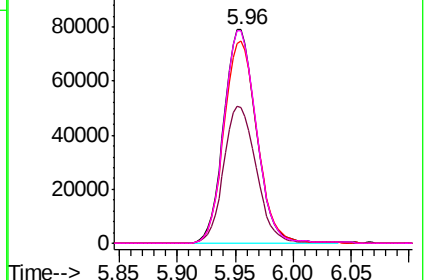
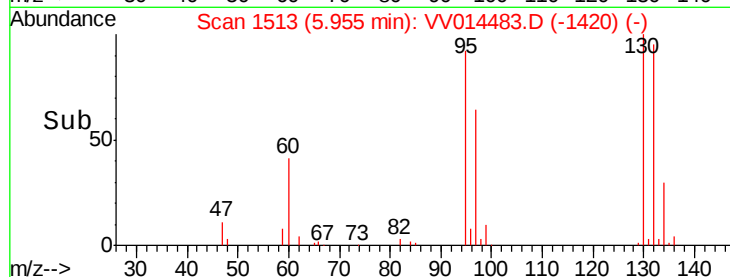


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 47.634 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

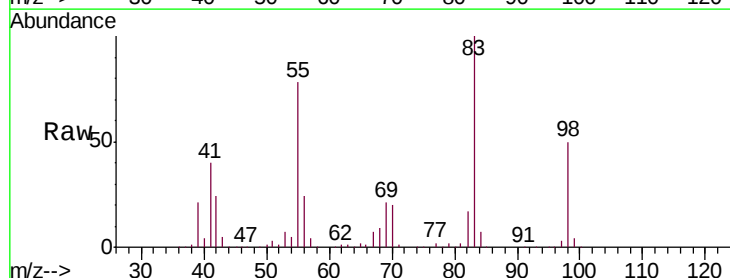
Tgt Ion: 83 Resp: 259540

Ion Ratio Lower Upper

83 100

55 78.2 60.4 90.6

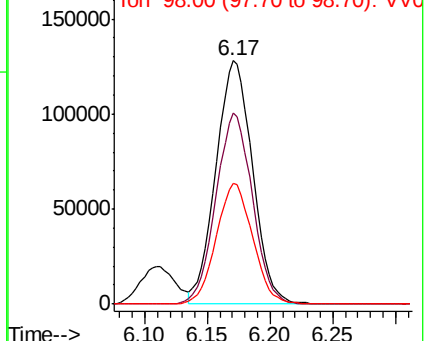
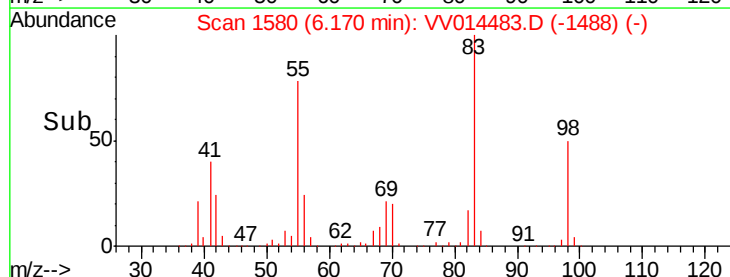
98 49.4 39.2 58.8

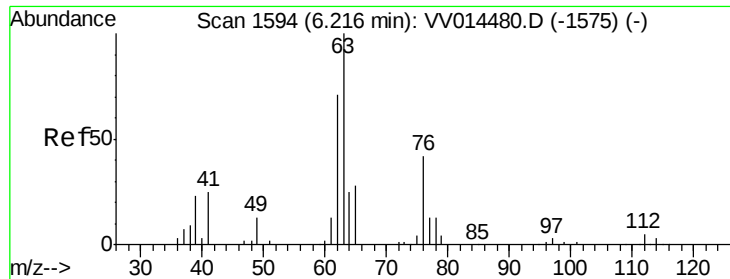


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

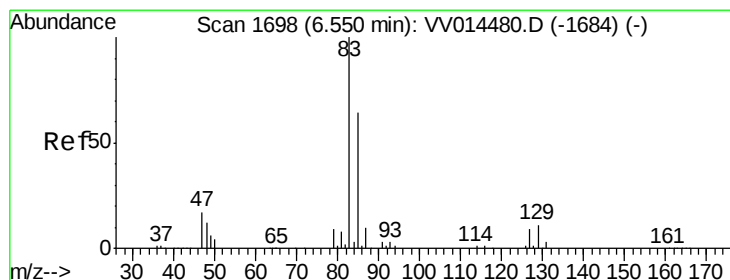
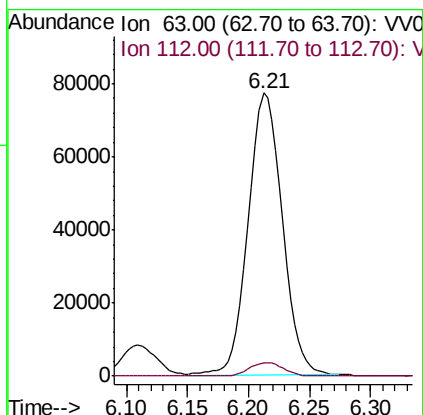
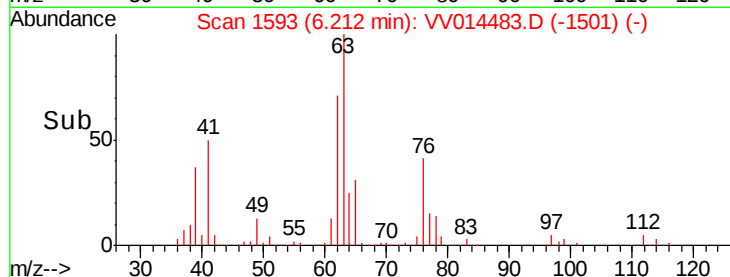
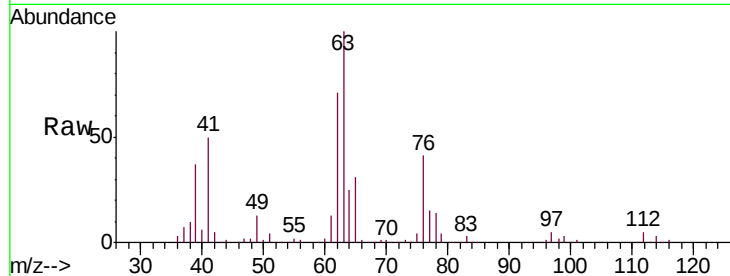




#37
 1,2-Dichloropropane
 Concen: 45.973 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

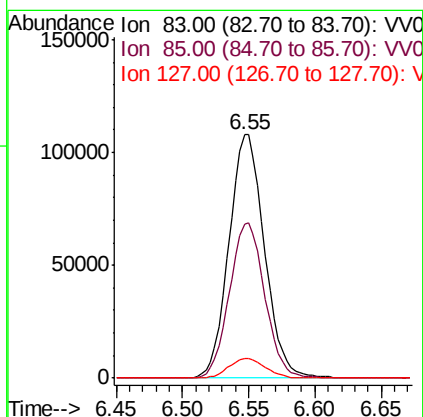
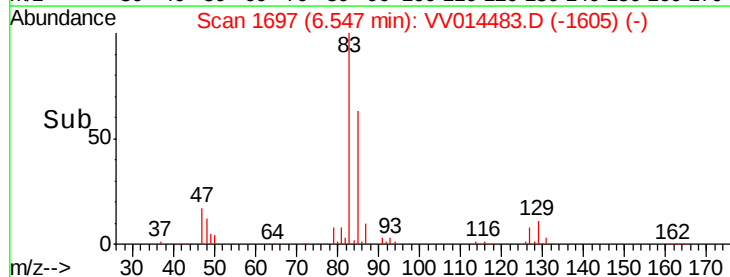
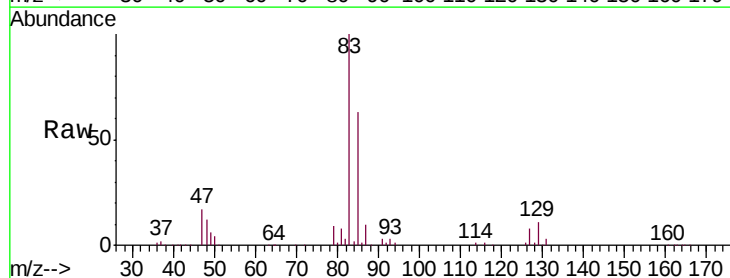
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

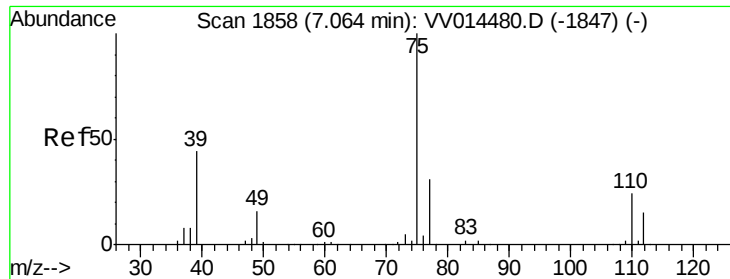
Tgt Ion: 63 Resp: 149159
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 46.222 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

Tgt Ion: 83 Resp: 200796
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.9 83.3
 127 7.9 6.3 9.5

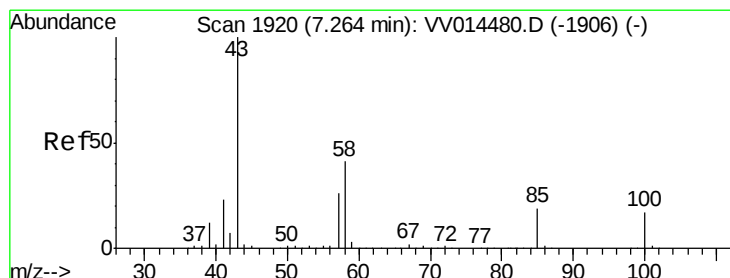
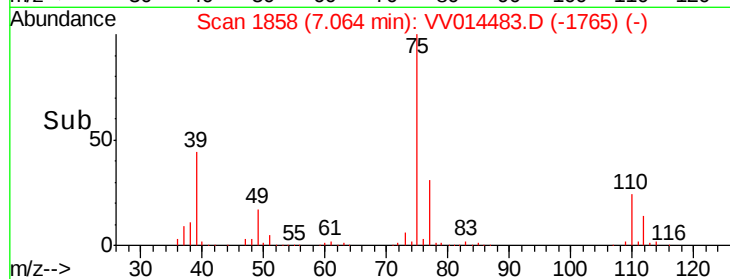
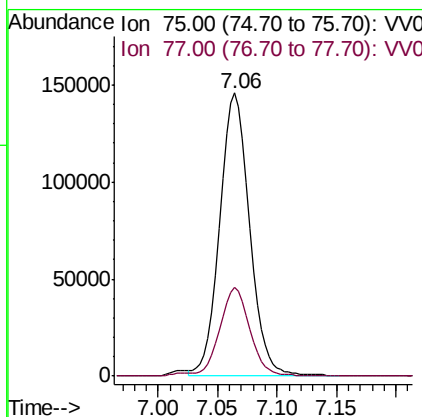
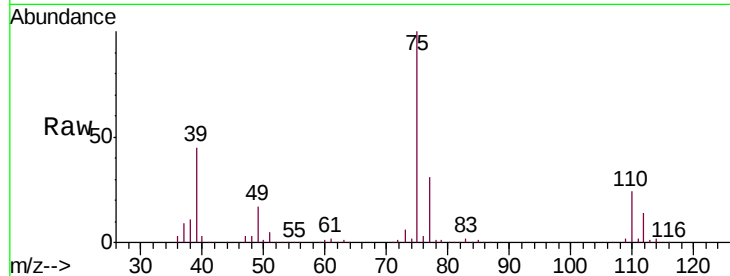




#39
 cis-1,3-Dichloropropene
 Concen: 47.476 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

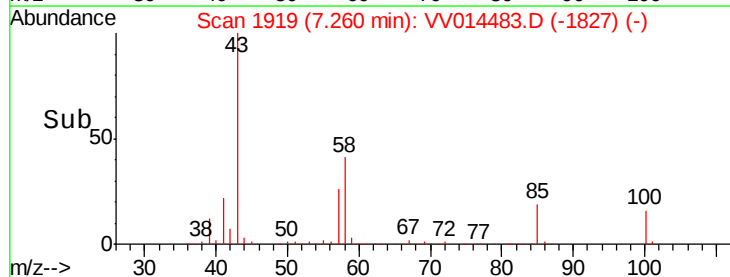
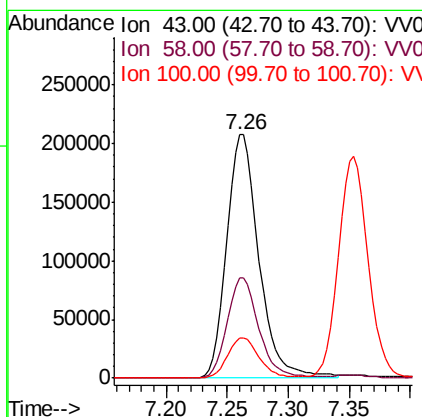
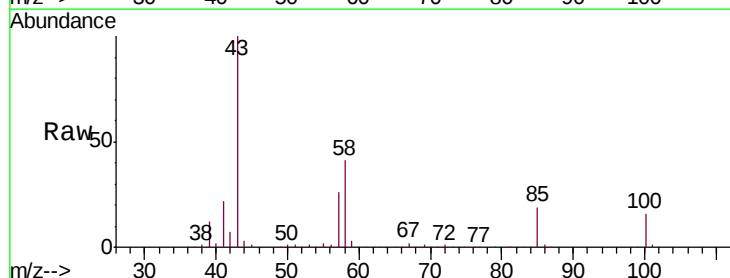
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

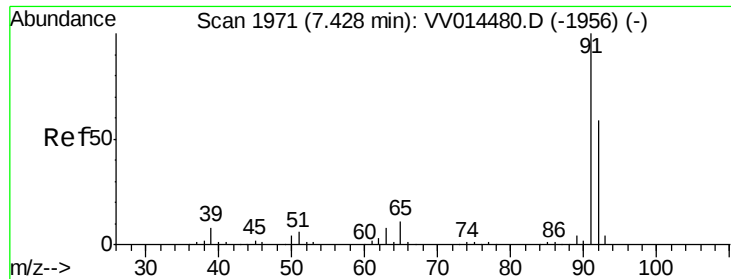
Tgt Ion: 75 Resp: 253287
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 97.915 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

Tgt Ion: 43 Resp: 384073
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.9 47.9
 100 16.3 12.2 18.4





#42

Toluene

Concen: 46.247 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

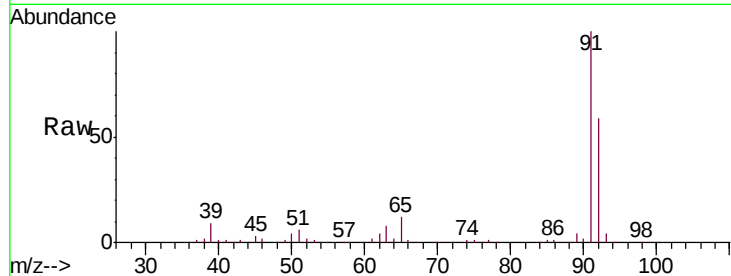
VSTD05089

Tgt Ion: 91 Resp: 628540

Ion Ratio Lower Upper

91 100

92 59.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014483.D (-1970) (-)

Ion 92.00 (91.70 to 92.70): VV014483.D (-1970) (-)

7.42

400000

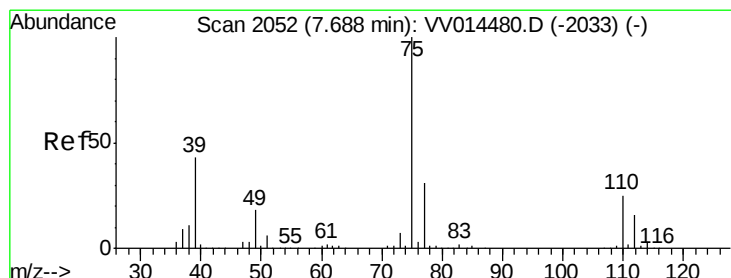
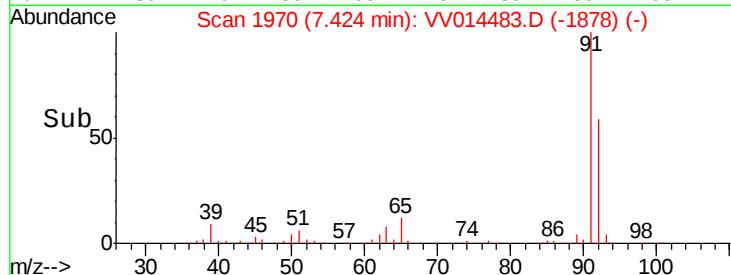
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.582 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.00 min

Lab File: VV014483.D

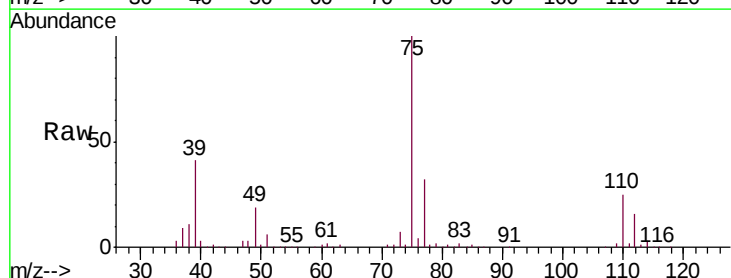
Acq: 03 Feb 2020 14:21

Tgt Ion: 75 Resp: 225443

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014483.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VV014483.D (-2051) (-)

7.68

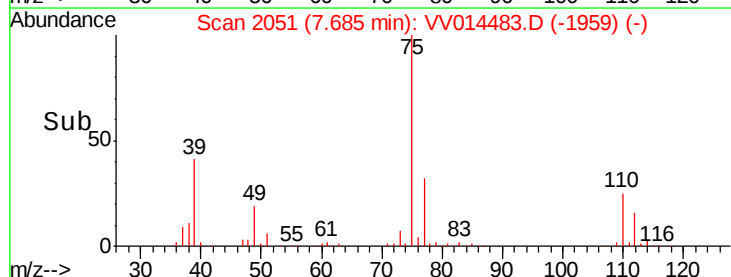
150000

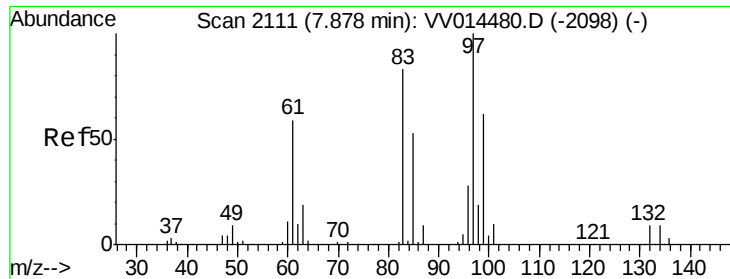
100000

50000

0

Time-->

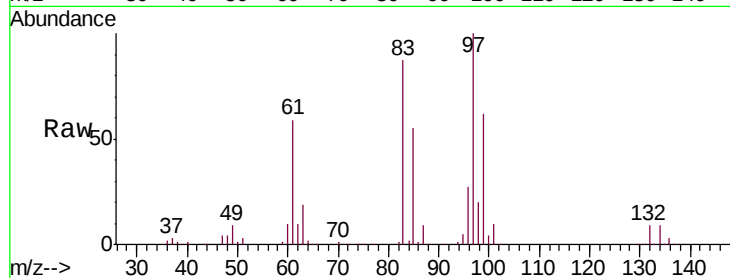




#45
1,1,2-Trichloroethane
Concen: 45.229 ug/L
RT: 7.87 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

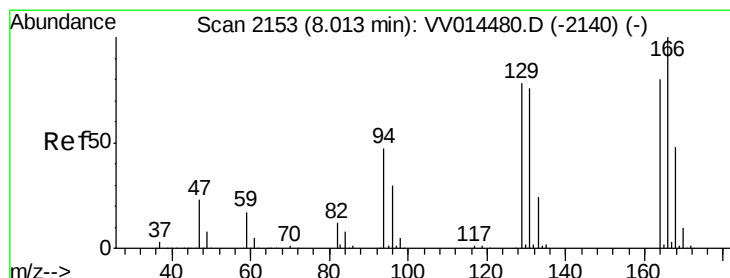
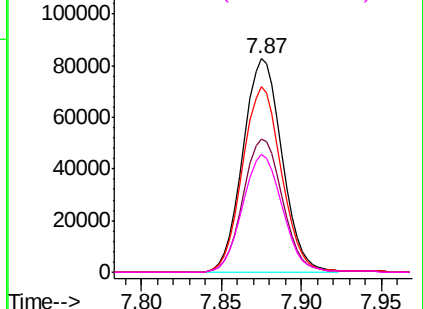
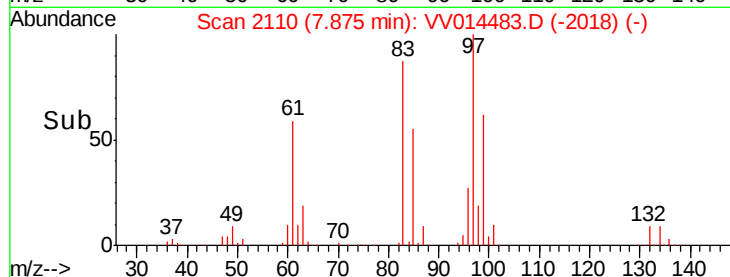
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tgt Ion:	97	Resp:	138651
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	86.7	60.0	111.4
85	55.1	37.2	69.0



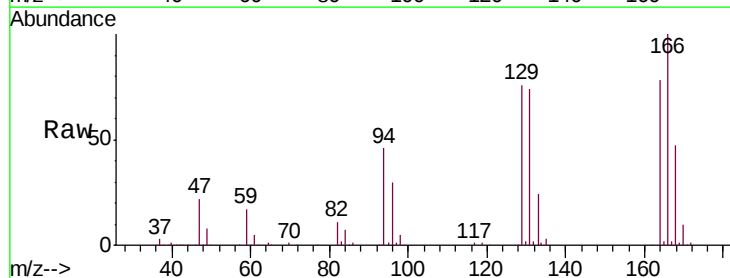
Abundance

Ion 97.00 (96.70 to 97.70): VV014483.D (-2018) (-)



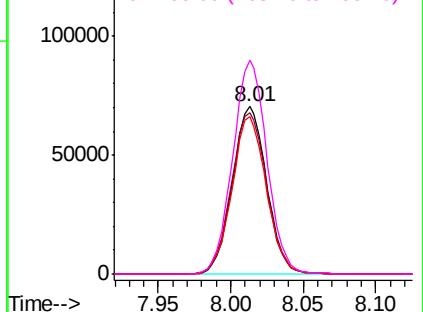
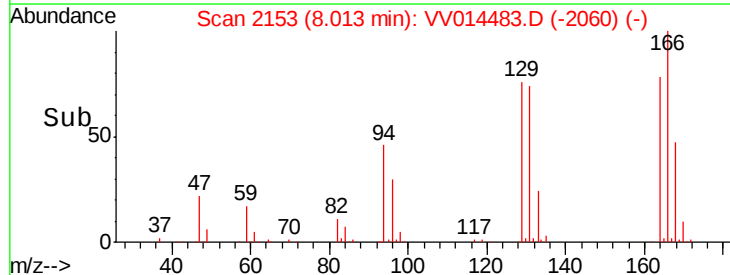
#46
Tetrachloroethene
Concen: 48.188 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

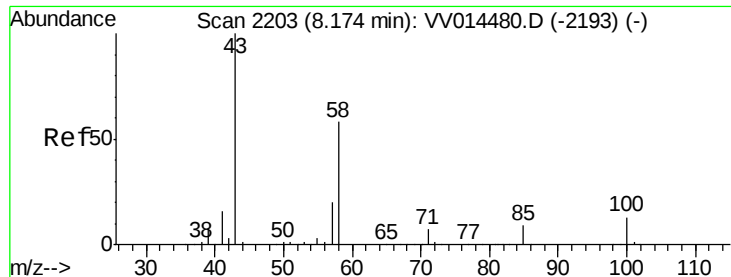
Tgt Ion:	164	Resp:	115564
Ion	Ratio	Lower	Upper
164	100		
129	96.6	70.4	130.8
131	94.4	65.5	121.7
166	127.5	89.9	166.9



Abundance

Ion 164.00 (163.70 to 164.70): VV014483.D (-2060) (-)

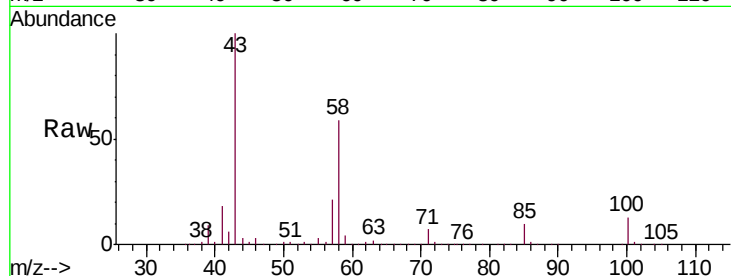




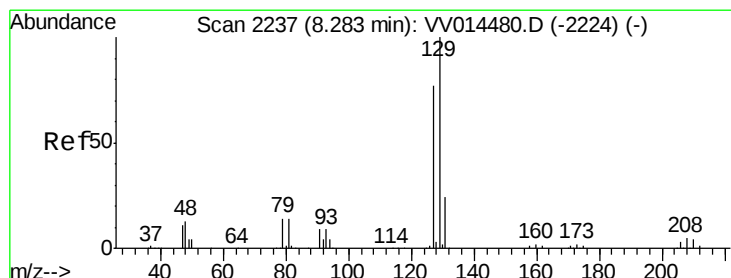
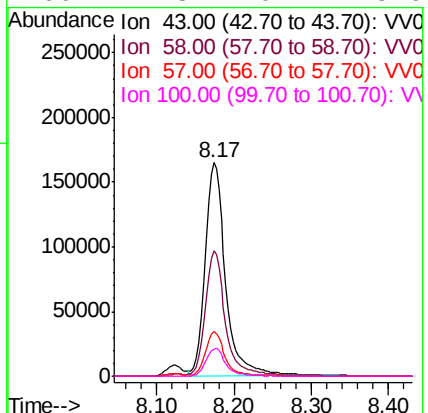
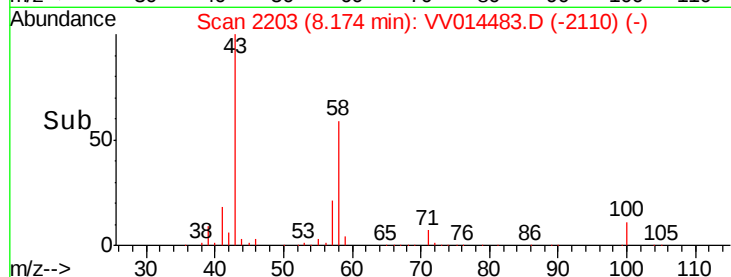
#48
2-Hexanone
Concen: 99.728 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tgt Ion: 43 Resp: 305997
Ion Ratio Lower Upper
43 100
58 57.0 48.0 72.0
57 19.2 15.0 22.6
100 12.8 10.4 15.6

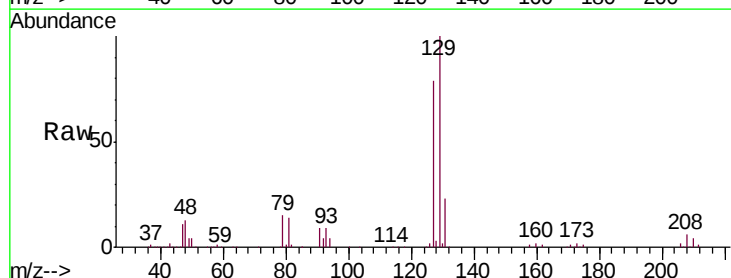


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

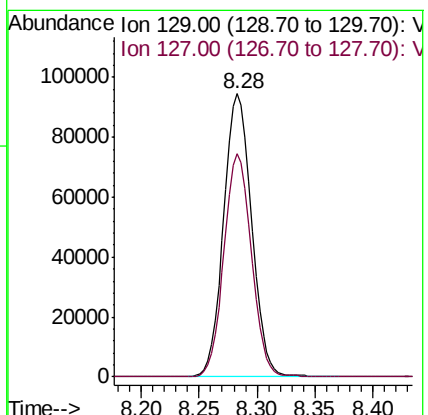
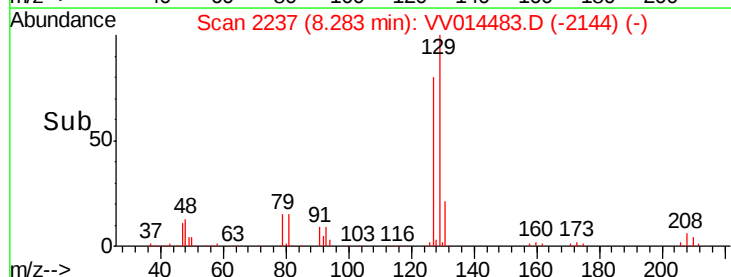


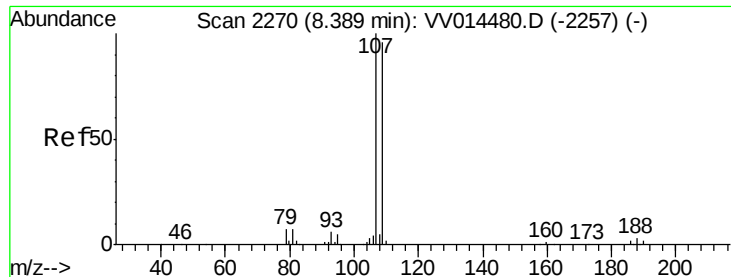
#49
Dibromochloromethane
Concen: 46.840 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014483.D
Acq: 03 Feb 2020 14:21

Tgt Ion: 129 Resp: 157980
Ion Ratio Lower Upper
129 100
127 78.8 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 46.286 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

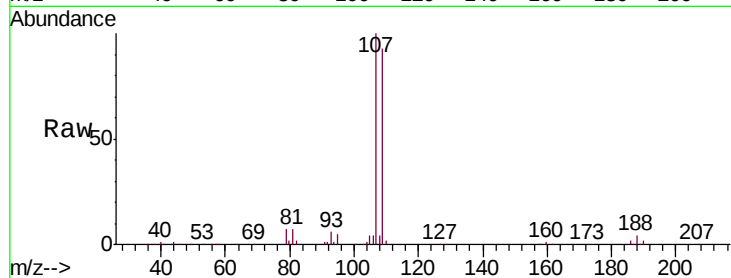
Tgt Ion:107 Resp: 151075

Ion Ratio Lower Upper

107 100

109 93.4 65.5 121.7

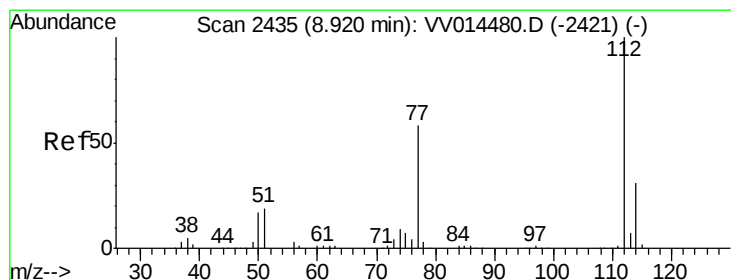
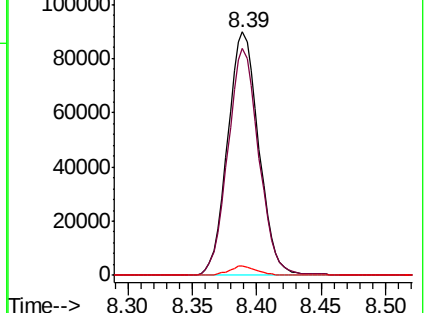
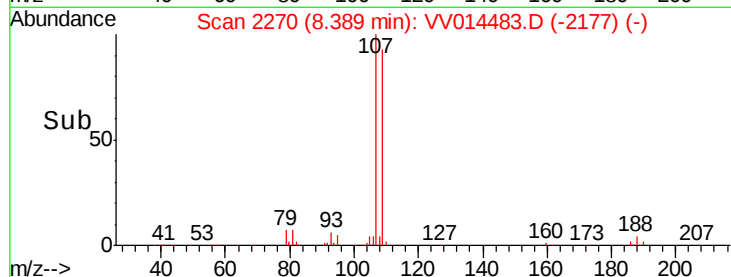
188 3.8 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 45.994 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

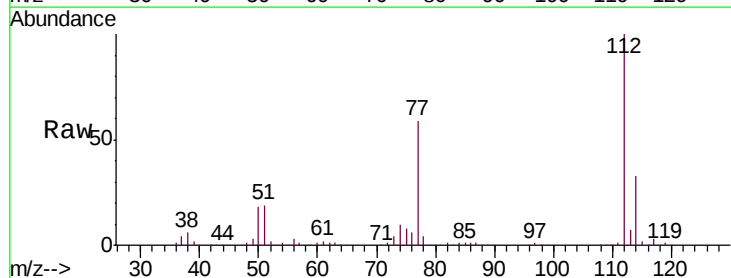
Tgt Ion:112 Resp: 399888

Ion Ratio Lower Upper

112 100

114 32.5 22.5 41.9

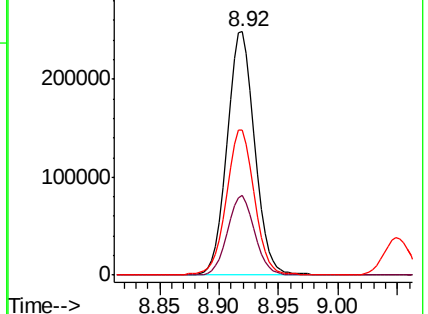
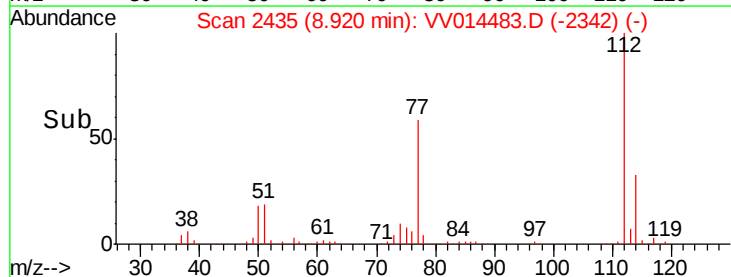
77 59.4 47.5 71.3

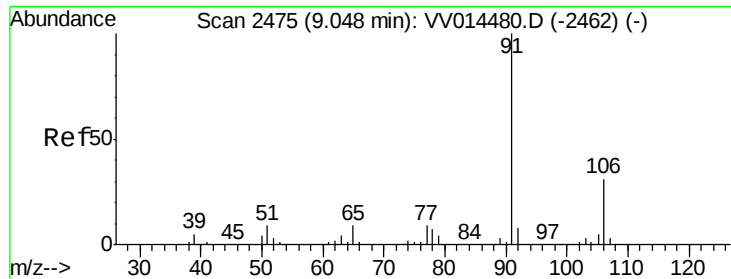


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 46.076 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

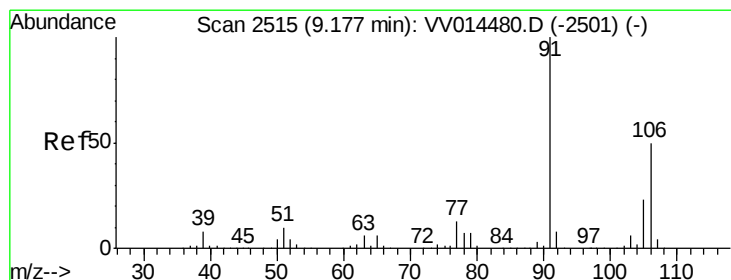
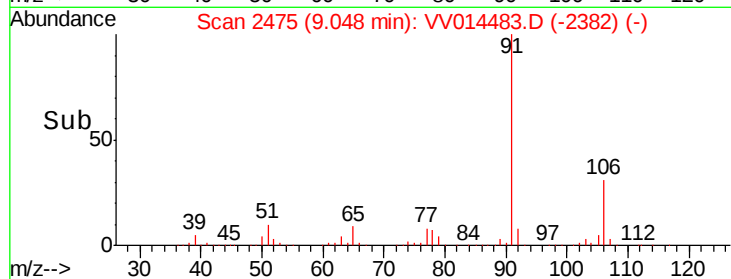
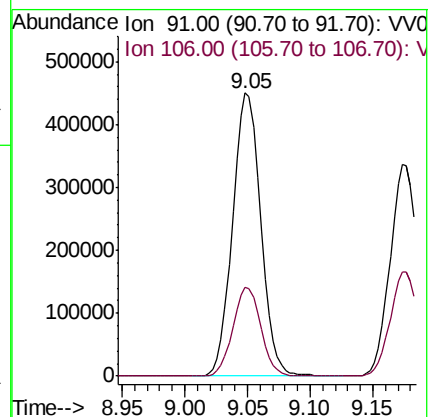
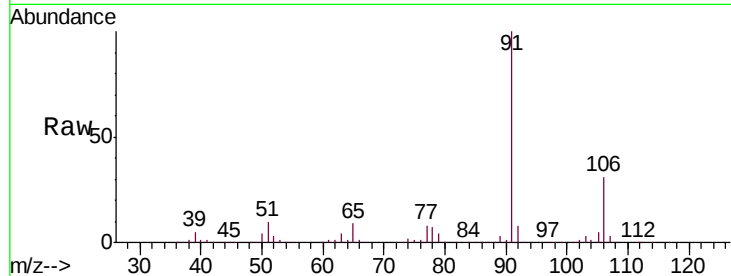
VSTD05089

Tgt Ion: 91 Resp: 702849

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.6



#53

m,p-Xylene

Concen: 47.190 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014483.D

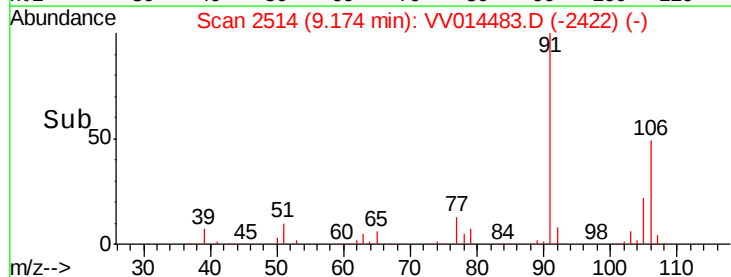
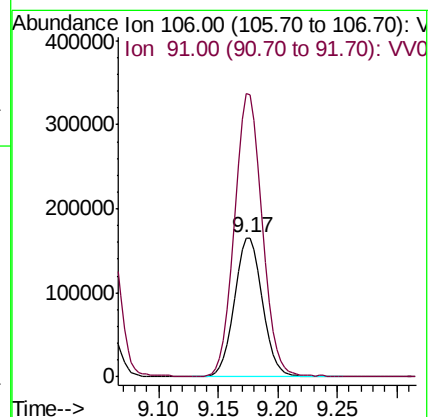
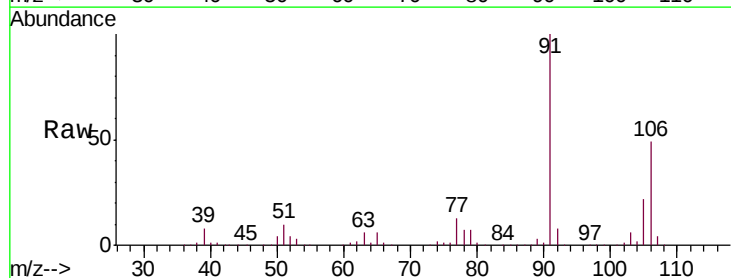
Acq: 03 Feb 2020 14:21

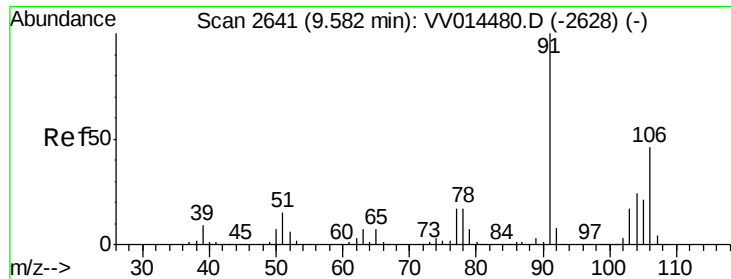
Tgt Ion: 106 Resp: 268792

Ion Ratio Lower Upper

106 100

91 203.1 140.9 261.7





#54

o-xylene

Concen: 45.795 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

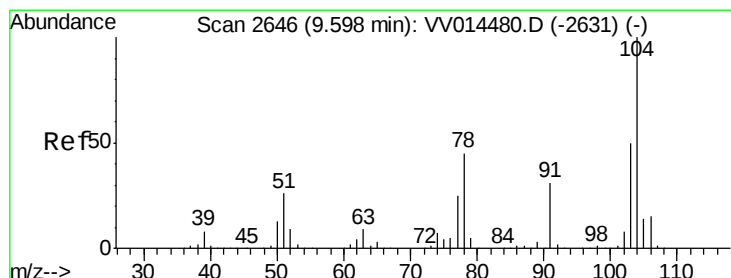
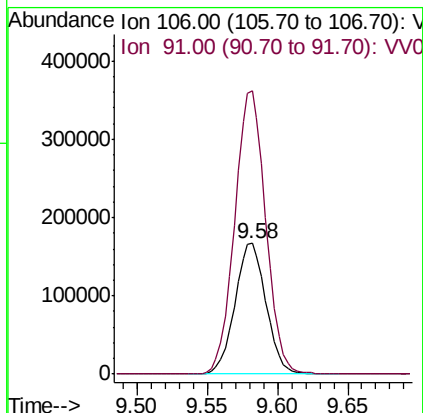
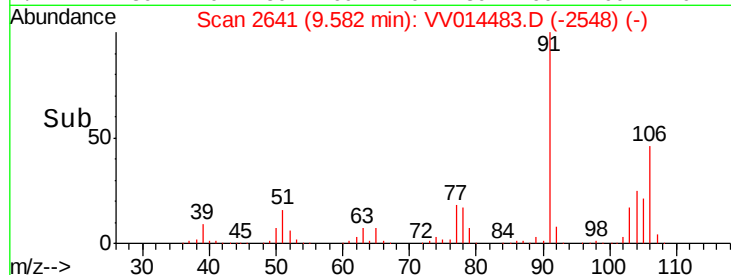
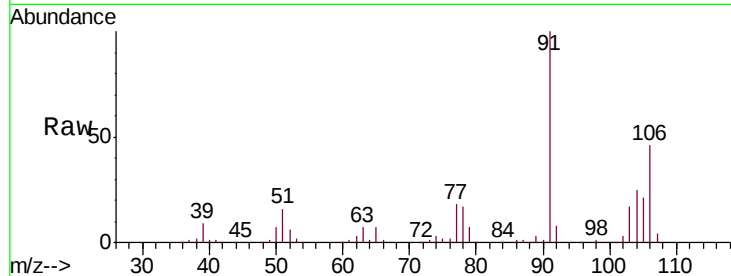
VSTD05089

Tgt Ion:106 Resp: 258464

Ion Ratio Lower Upper

106 100

91 216.2 150.4 279.2



#55

Styrene

Concen: 46.897 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014483.D

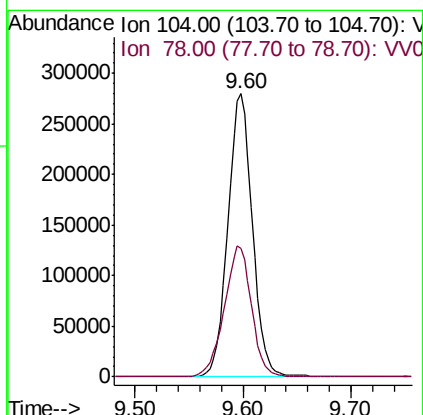
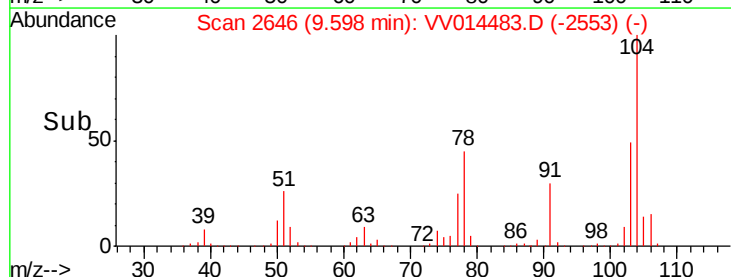
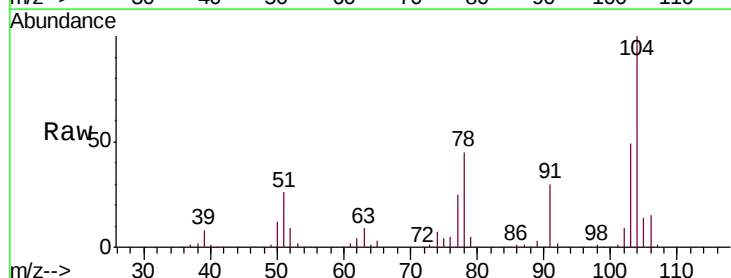
Acq: 03 Feb 2020 14:21

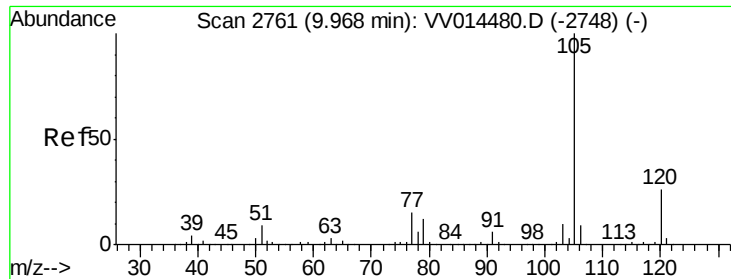
Tgt Ion:104 Resp: 444209

Ion Ratio Lower Upper

104 100

78 45.5 31.3 58.1





#56

Isopropylbenzene

Concen: 47.156 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

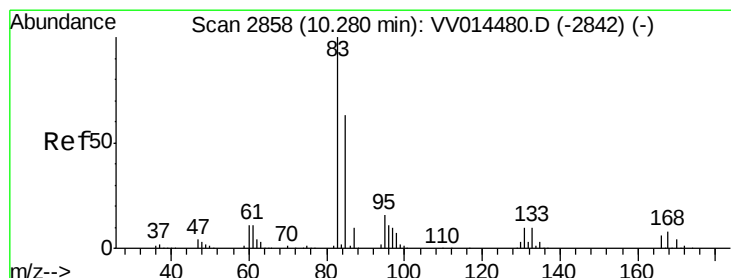
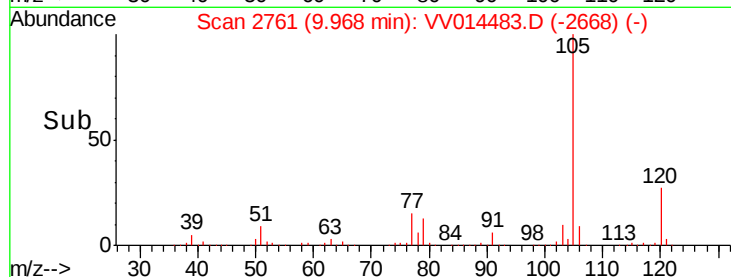
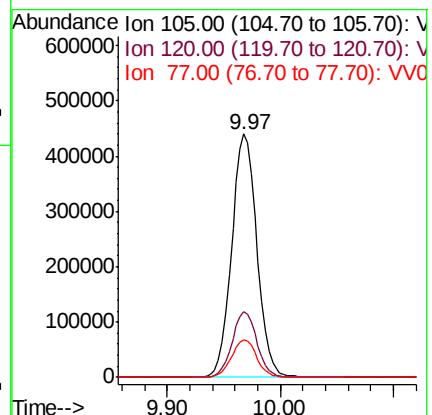
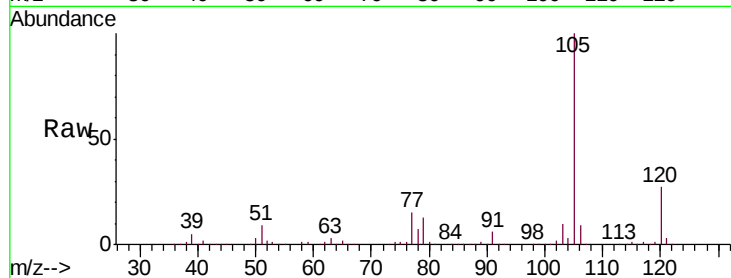
Tgt Ion: 105 Resp: 680515

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 15.5 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 44.625 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

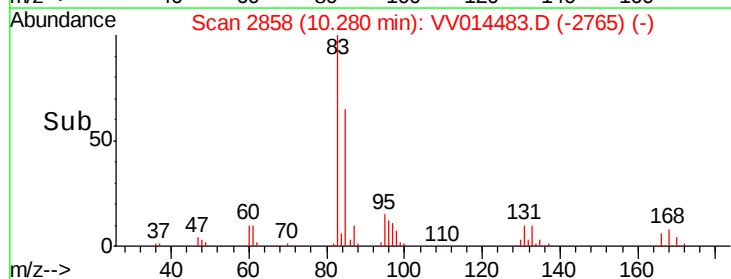
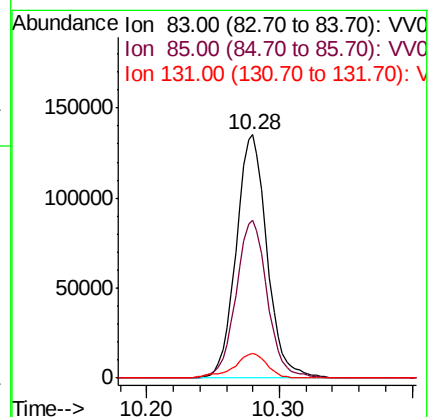
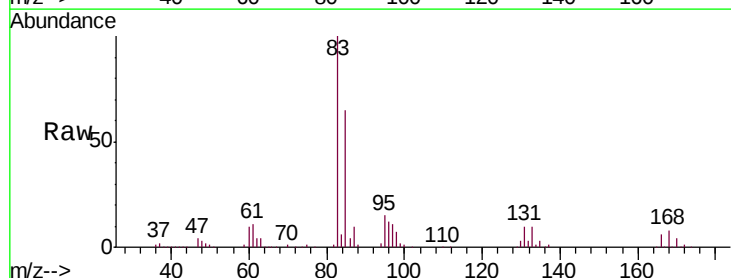
Tgt Ion: 83 Resp: 218537

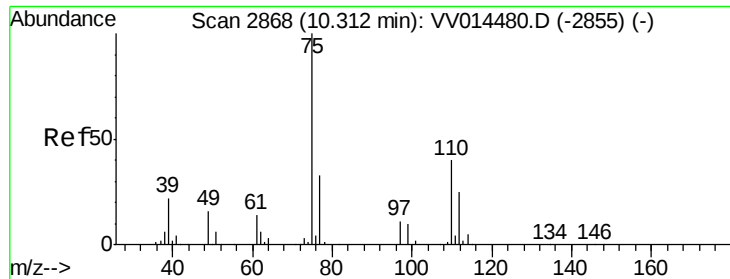
Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.2

131 10.2 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 45.013 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

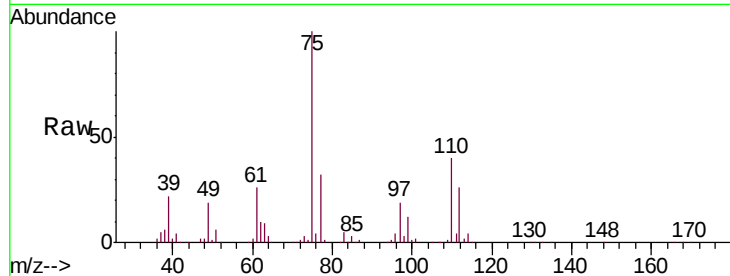
VSTD05089

Tgt Ion: 75 Resp: 172589

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014480.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014480.D (-2855) (-)

10.31

120000

100000

80000

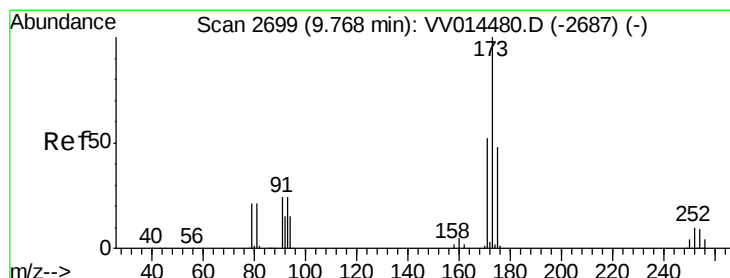
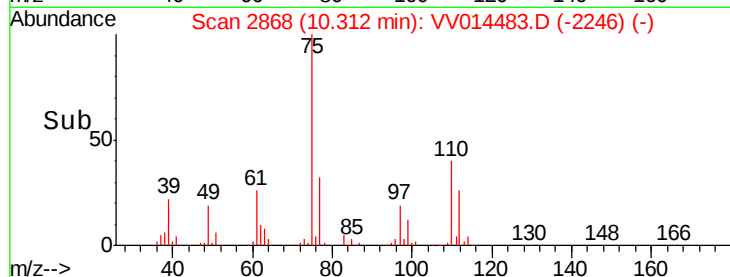
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 46.768 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

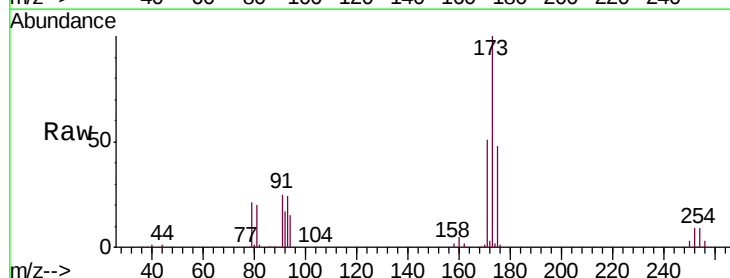
Tgt Ion: 173 Resp: 106354

Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 8.9 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VV014480.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV014480.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV014480.D (-2687) (-)

9.77

80000

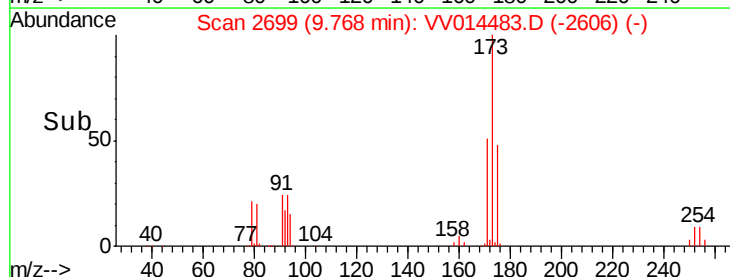
60000

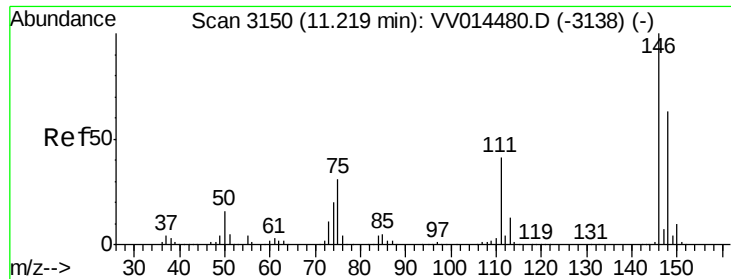
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 46.579 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

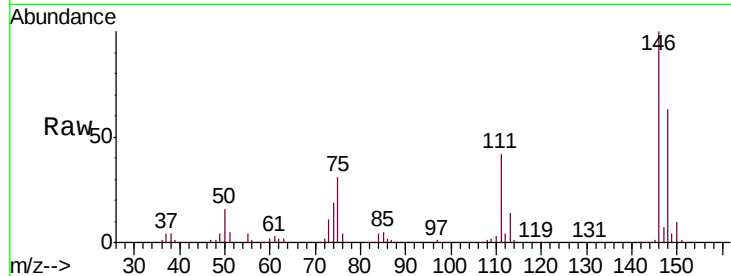
Tgt Ion:146 Resp: 311797

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

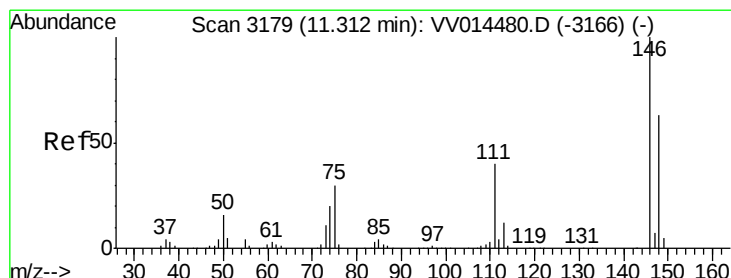
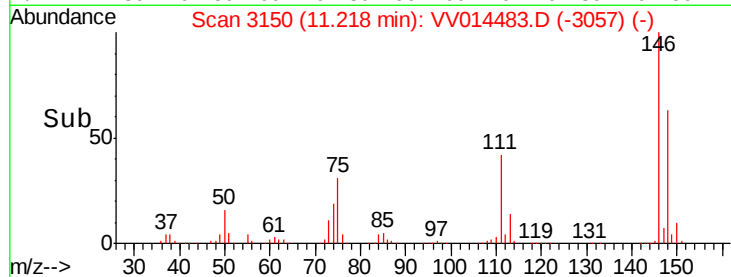
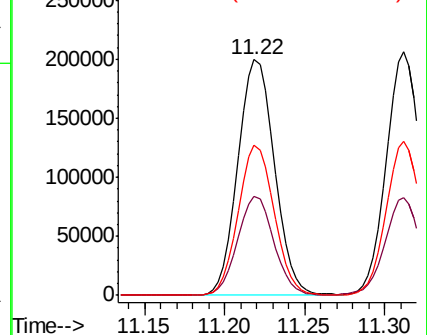
148 63.4 44.9 83.3



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: 45.939 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

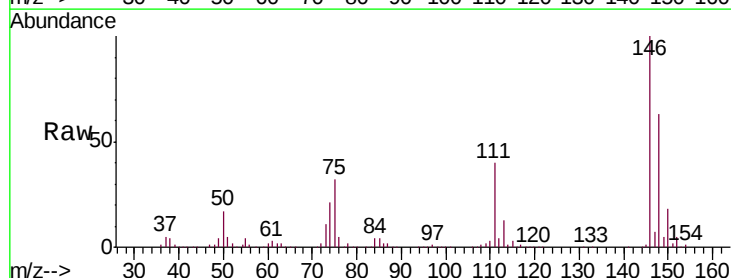
Tgt Ion:146 Resp: 316578

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.1

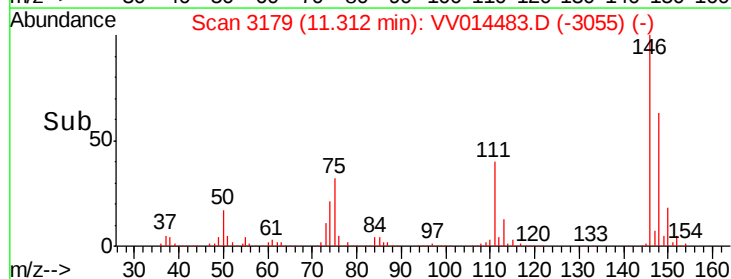
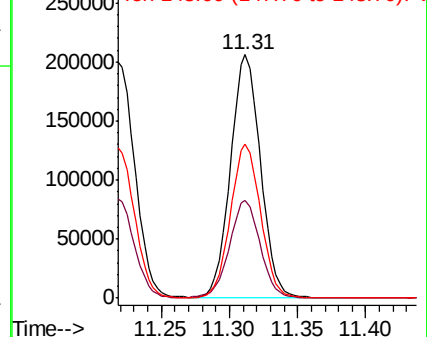
148 63.3 43.5 80.9

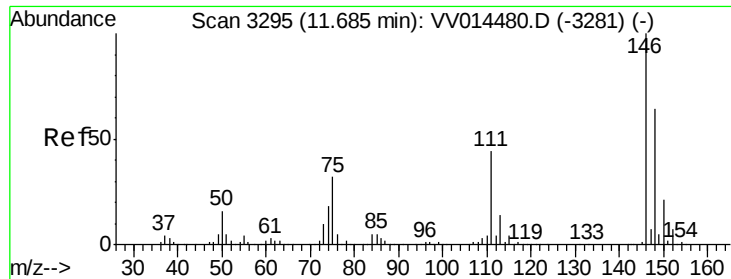


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 45.014 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

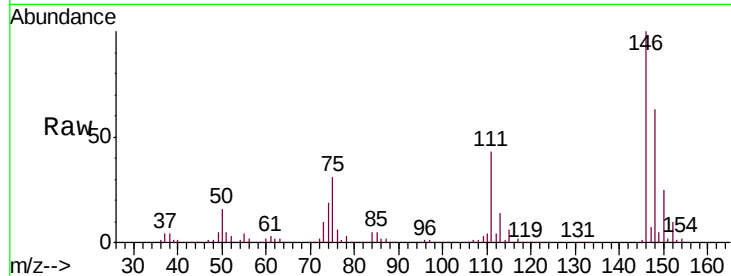
Tgt Ion:146 Resp: 297835

Ion Ratio Lower Upper

146 100

111 42.9 34.6 51.8

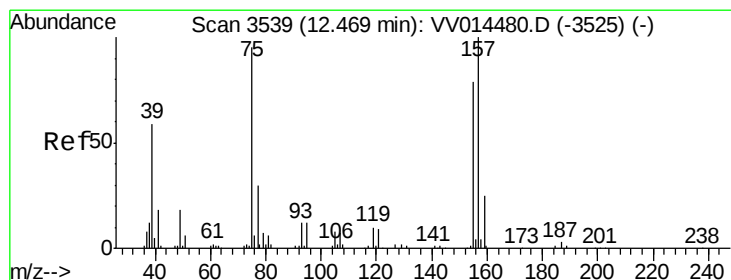
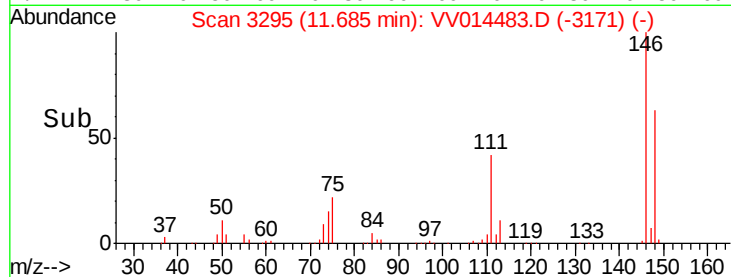
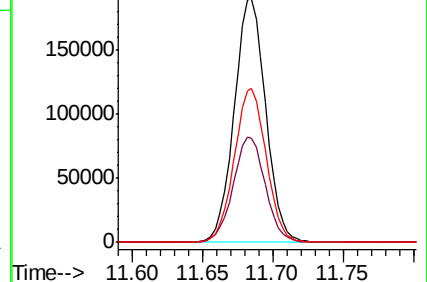
148 63.2 51.2 76.8



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: 44.005 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

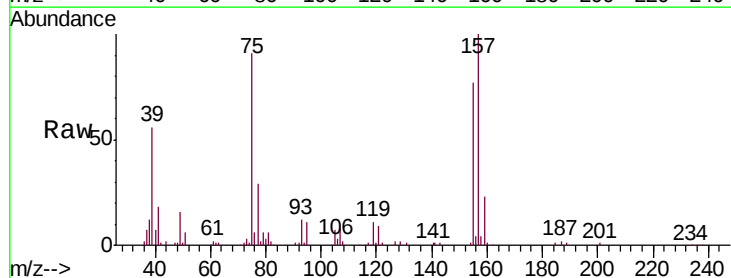
Tgt Ion: 75 Resp: 46285

Ion Ratio Lower Upper

75 100

155 84.5 64.2 96.2

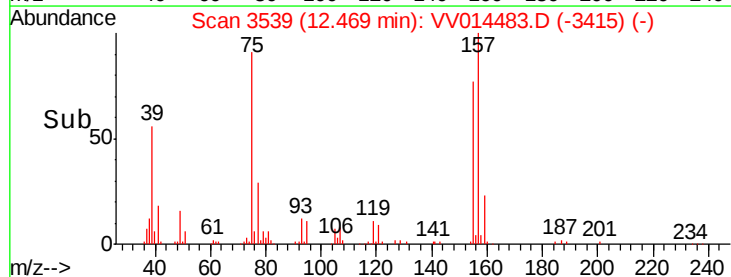
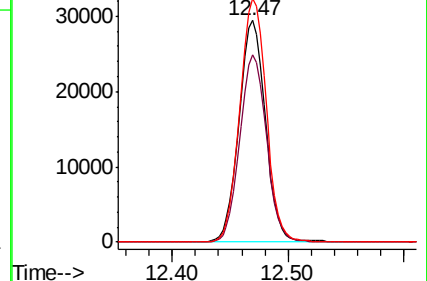
157 109.8 83.4 125.2

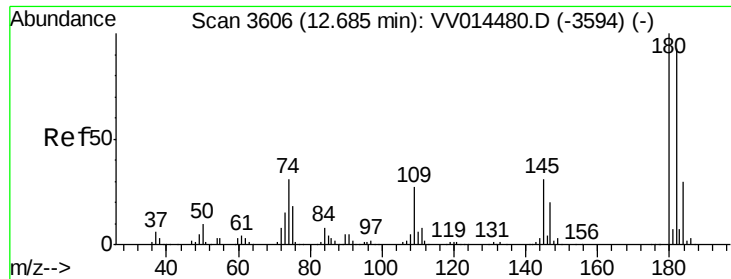


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

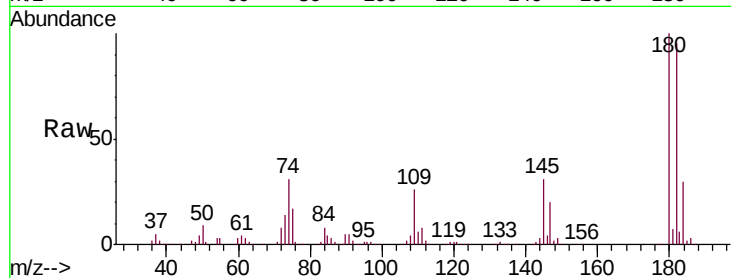




#67
 1,3,5-Trichlorobenzene
 Concen: 48.033 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
184	30.2	24.2	36.2
145	31.5	25.4	38.2



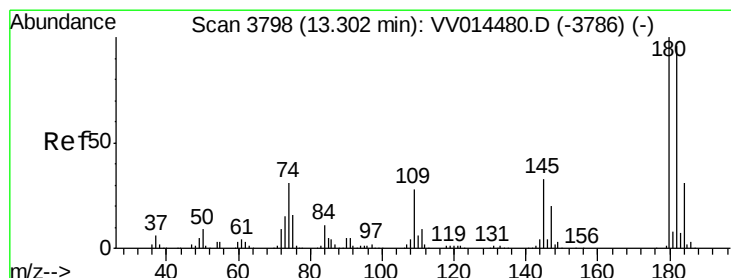
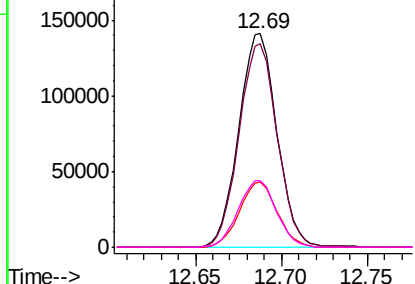
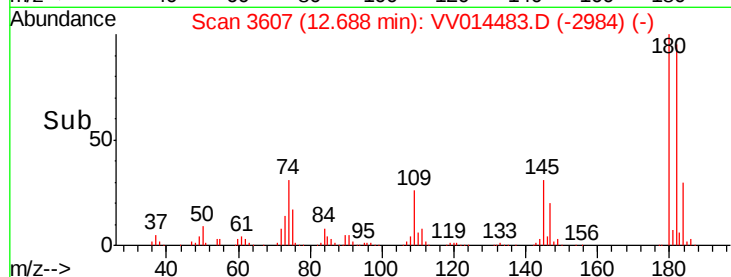
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

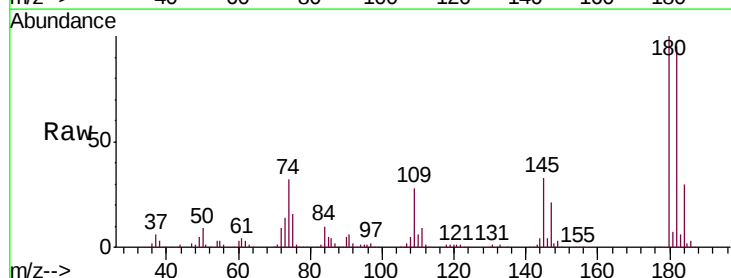
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.309 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014483.D
 Acq: 03 Feb 2020 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
145	33.2	26.2	39.2

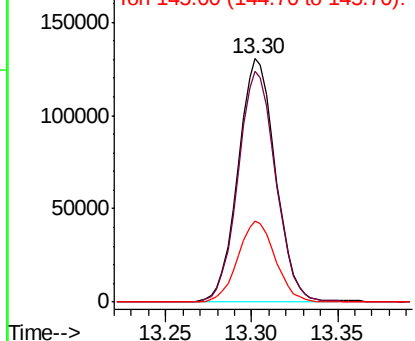
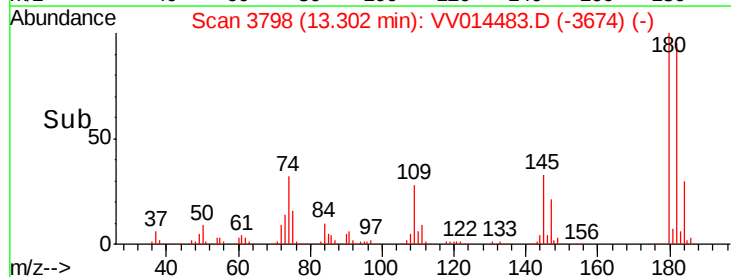


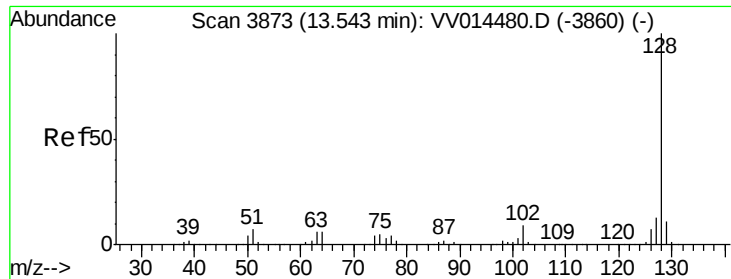
Abundance

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: 49.779 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

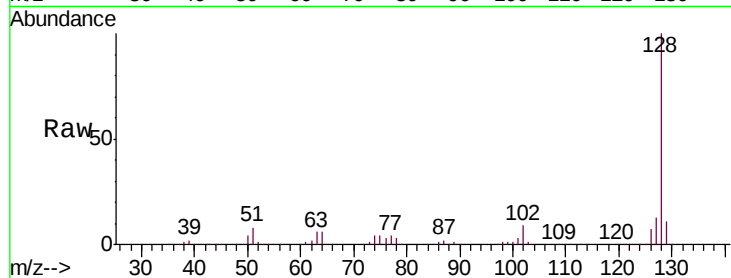
Tgt Ion:128 Resp: 645808

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

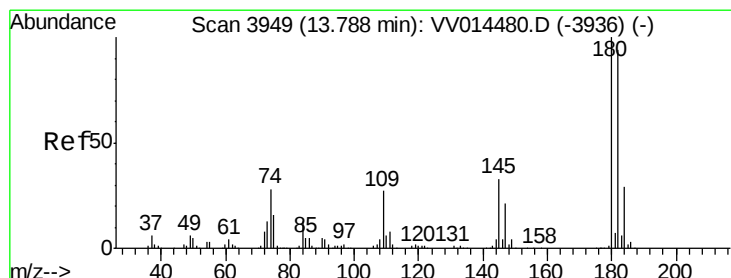
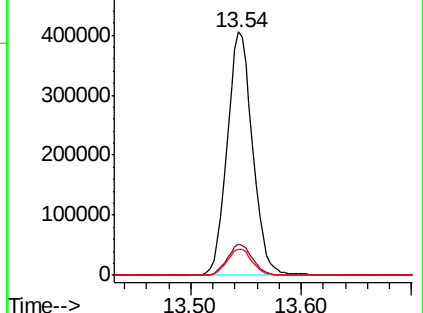
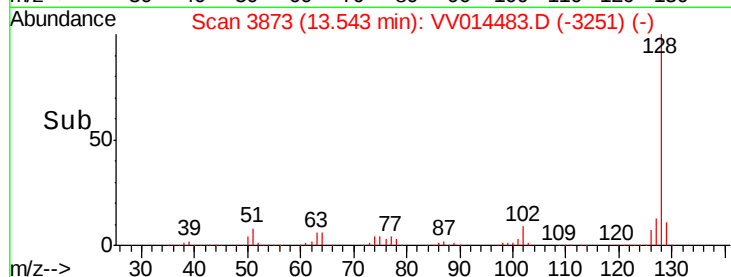
129 10.8 8.6 13.0



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: 48.170 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014483.D

Acq: 03 Feb 2020 14:21

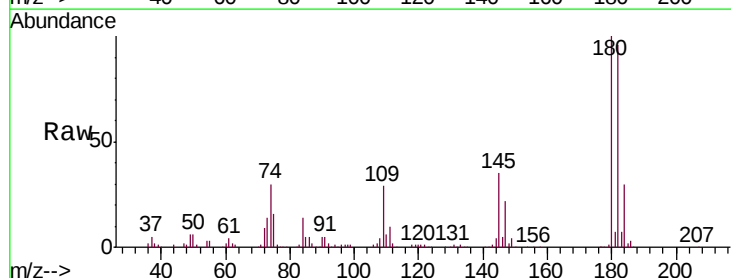
Tgt Ion:180 Resp: 190150

Ion Ratio Lower Upper

180 100

182 94.4 77.5 116.3

145 34.6 27.8 41.6



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

