

Data File : VV009732.D
Acq On : 16 Mar 2019 16:02
Operator : SY/MD
Sample : VSTD20066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Quant Time: Mar 18 07:25:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	153275	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	156613	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81589	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	201250	219.52	ug/L	0.00
7) Chloroethane-d5	1.55	69	120009	136.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	431639	185.65	ug/L	0.00
21) 2-Butanone-d5	3.93	46	263270	402.00	ug/L	0.00
24) Chloroform-d	4.40	84	380883	197.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	234833	186.87	ug/L	0.00
32) Benzene-d6	5.10	84	770503	190.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	234301	195.37	ug/L	0.00
41) Toluene-d8	7.36	98	759562	192.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	127160	207.61	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	217350	416.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	391278	205.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	313754	186.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	212433	209.763	ug/L	99
3) Chloromethane	1.25	50	196792	205.520	ug/L	98
5) Vinyl chloride	1.32	62	216880	212.035	ug/L	99
6) Bromomethane	1.51	94	110989	139.812	ug/L	100
8) Chloroethane	1.57	64	125246	166.633	ug/L	96
9) Trichlorofluoromethane	1.75	101	364158	177.519	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	195140	171.284	ug/L	99
12) 1,1-Dichloroethene	2.13	96	170861	175.130	ug/L	96
13) Acetone	2.19	43	221060	313.352	ug/L	100
14) Carbon disulfide	2.31	76	528503	209.317	ug/L	100
15) Methyl Acetate	2.46	43	183754	197.965	ug/L	100
16) Methylene chloride	2.53	84	203883	205.456	ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	191051	205.585	ug/L	96
18) Methyl tert-butyl Ether	2.81	73	615439	208.077	ug/L	99
19) 1,1-Dichloroethane	3.23	63	335265	198.373	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	222033	206.041	ug/L	93
22) 2-Butanone	4.02	43	299351	389.883	ug/L	98
23) Bromochloromethane	4.30	128	107159	197.884	ug/L	91
25) Chloroform	4.43	83	363292	191.730	ug/L	98
27) 1,2-Dichloroethane	5.18	62	281015	192.205	ug/L	99
29) Cyclohexane	4.72	56	311581	199.928	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	327929	197.383	ug/L	99
31) Carbon tetrachloride	4.87	117	287908	206.062	ug/L	98
33) Benzene	5.15	78	793876	197.995	ug/L	100
34) Trichloroethene	5.96	95	209697	195.584	ug/L	99
35) Methylcyclohexane	6.18	83	348421	199.202	ug/L	98
37) 1,2-Dichloropropane	6.22	63	202767	197.691	ug/L	99
38) Bromodichloromethane	6.56	83	286242	200.468	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	339797	209.522	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	584403	426.981	ug/L	98

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	901584	197.597	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	332461	220.640	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	208316	195.918	ug/L	96
46) Tetrachloroethene	8.02	164	164204	193.232	ug/L	98
48) 2-Hexanone	8.19	43	488101	452.644	ug/L	96
49) Dibromochloromethane	8.29	129	251141	214.940	ug/L	99
50) 1,2-Dibromoethane	8.40	107	224534	200.804	ug/L	97
51) Chlorobenzene	8.93	112	609105	199.799	ug/L	99
52) Ethylbenzene	9.06	91	1067114	206.545	ug/L	99
53) m,p-Xylene	9.18	106	419813	211.957	ug/L	97
54) o-Xylene	9.59	106	423499	212.156	ug/L	95
55) Styrene	9.61	104	774783	240.671	ug/L	99
56) Isopropylbenzene	9.98	105	1148939	221.450	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	385820	208.572	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	284494	207.564	ug/L	99
61) Bromoform	9.78	173	202073	217.348	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	496771	196.176	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	499921	200.137	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	504771	194.984	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	80017	207.150	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	341935	207.944	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	285226	247.508	ug/L	99
69) Naphthalene	13.55	128	878921	274.064	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	287495	240.381	ug/L	97

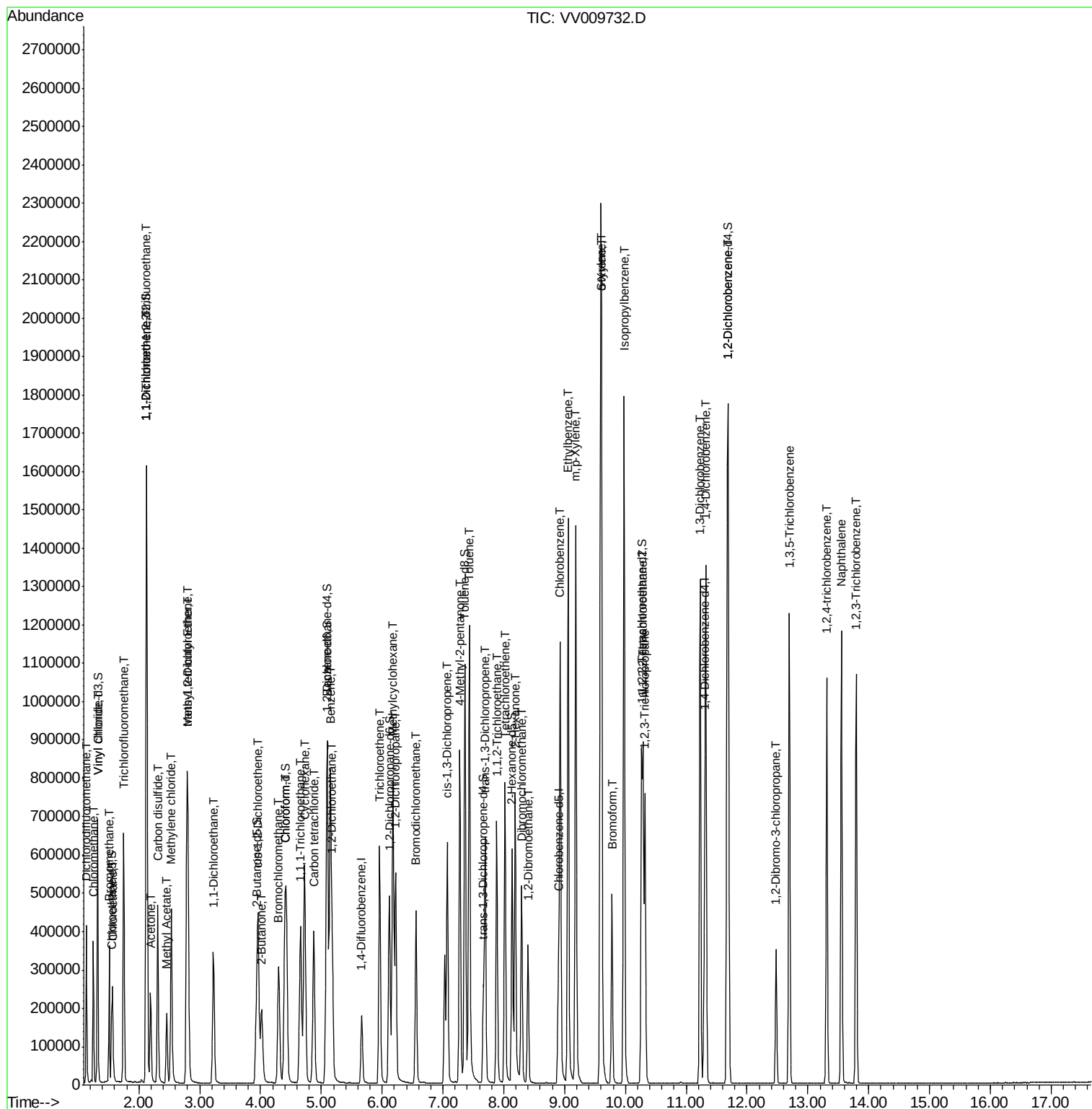
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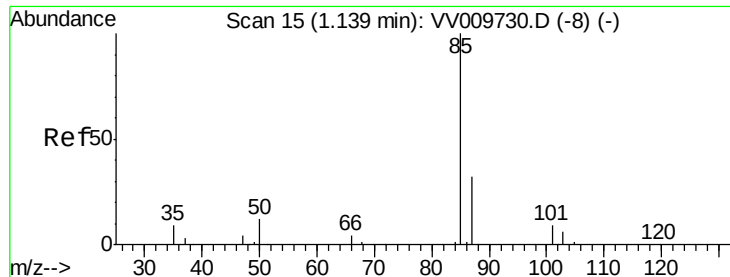
Data File : VV009732.D

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#2

Dichlorodifluoromethane

Concen: 209.763 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

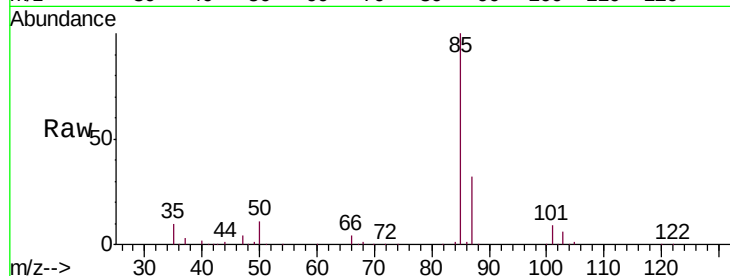
VSTD20066

Tgt Ion: 85 Resp: 212433

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009730.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009730.D (-8) (-)

1.14

250000

200000

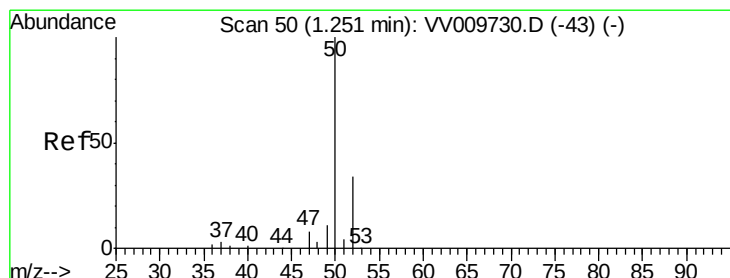
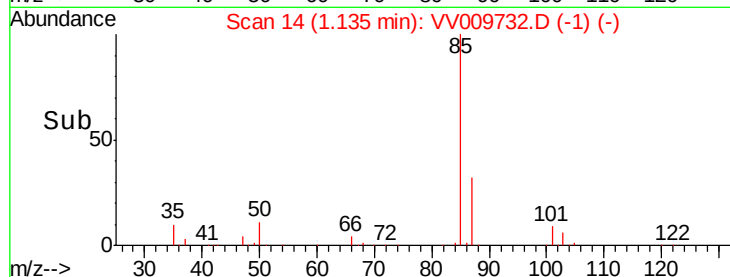
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 205.520 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009732.D

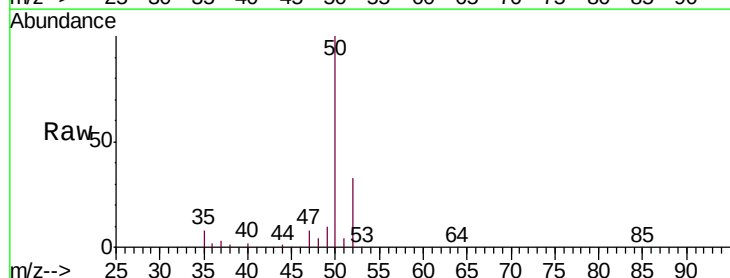
Acq: 16 Mar 2019 16:02

Tgt Ion: 50 Resp: 196792

Ion Ratio Lower Upper

50 100

52 33.4 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009730.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009730.D (-43) (-)

1.25

250000

200000

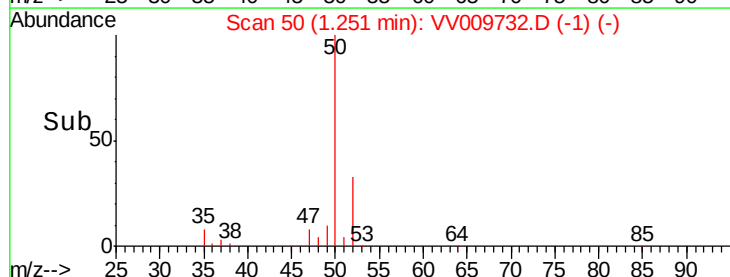
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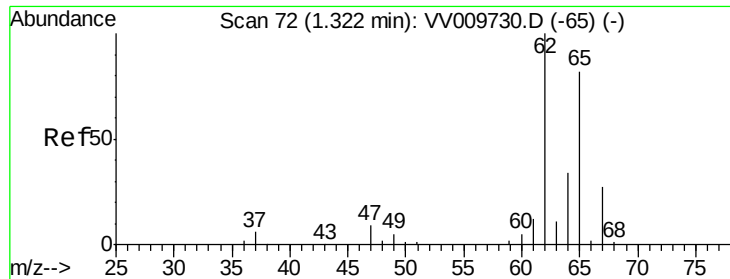
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Time-->





#5

Vinyl chloride

Concen: 212.035 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

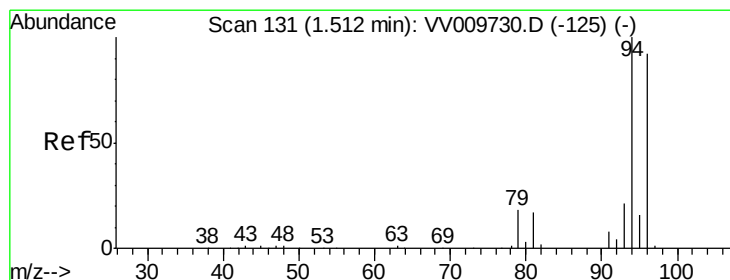
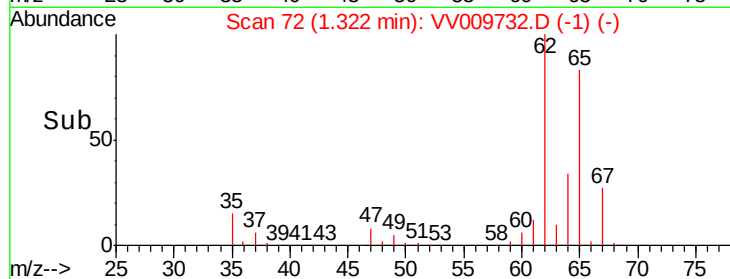
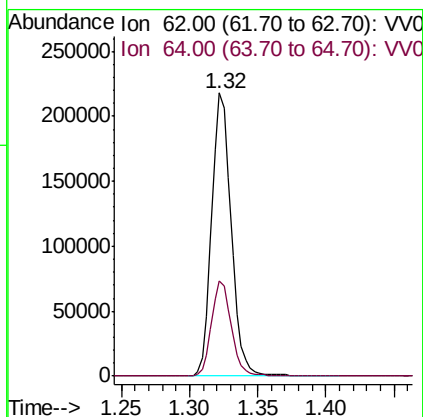
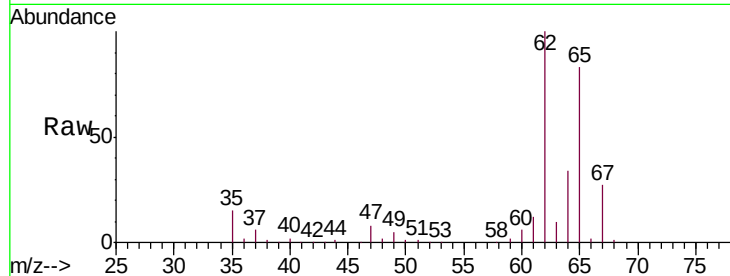
VSTD20066

Tgt Ion: 62 Resp: 216880

Ion Ratio Lower Upper

62 100

64 33.7 23.9 44.3



#6

Bromomethane

Concen: 139.812 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009732.D

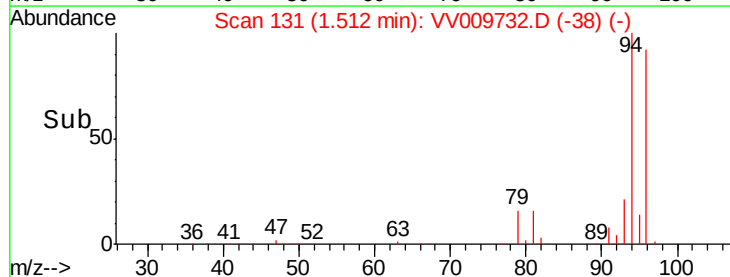
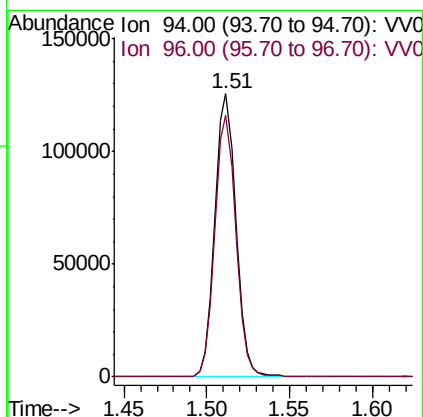
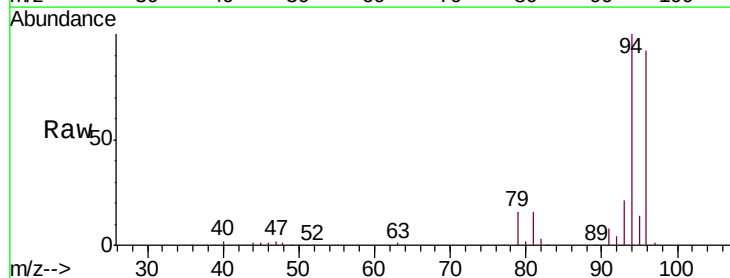
Acq: 16 Mar 2019 16:02

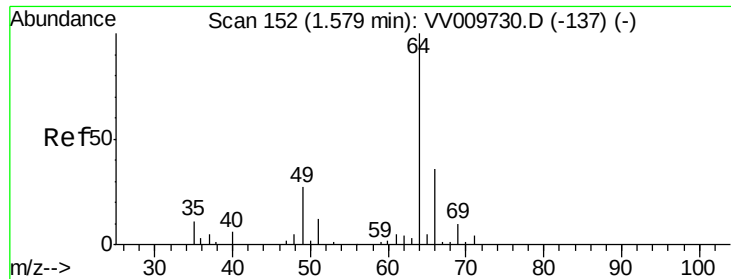
Tgt Ion: 94 Resp: 110989

Ion Ratio Lower Upper

94 100

96 92.4 64.6 120.0

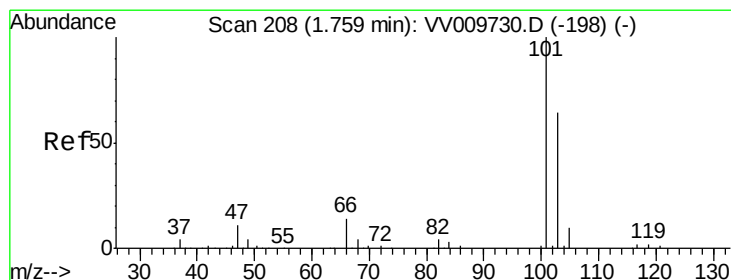
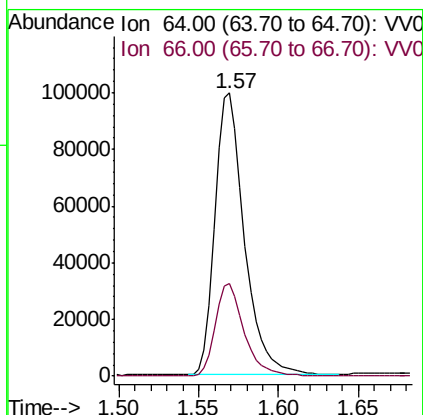
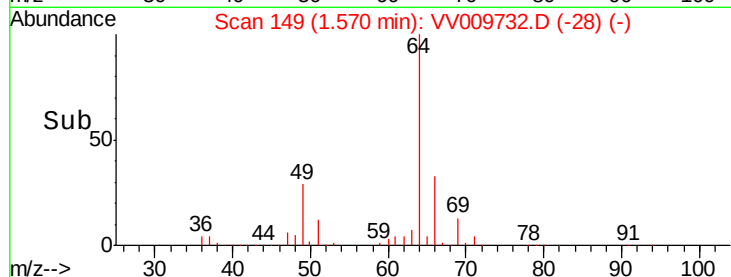
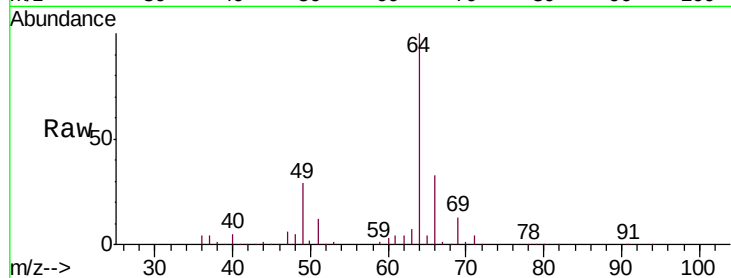




#8
Chloroethane
Concen: 166.633 ug/L
RT: 1.57 min Scan# 149
Delta R.T. -0.01 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

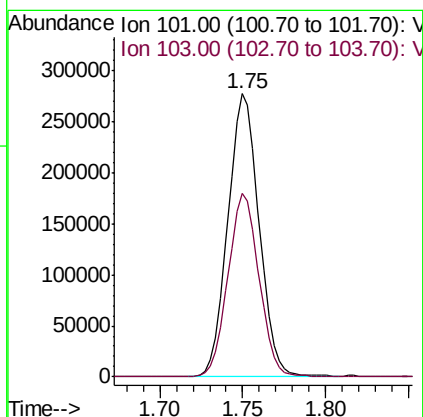
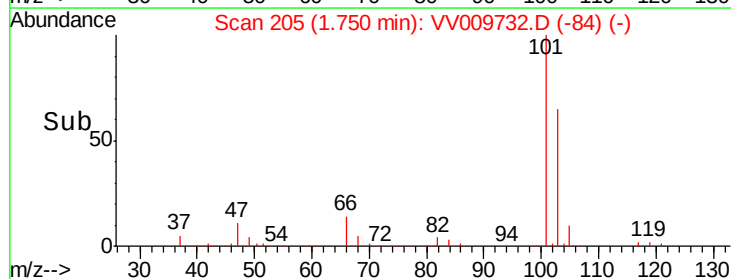
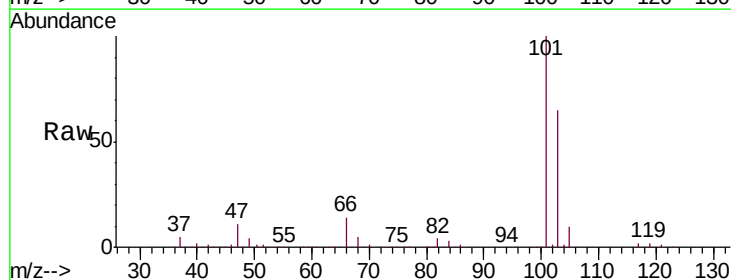
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

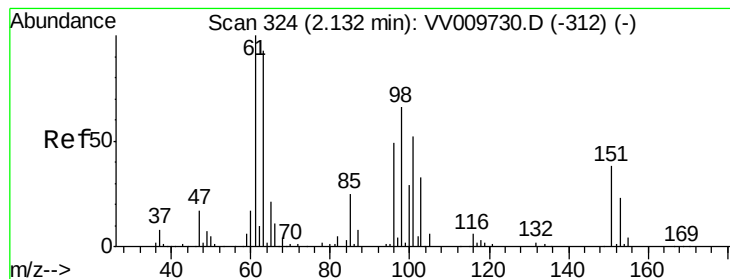
Tgt Ion: 64 Resp: 125246
Ion Ratio Lower Upper
64 100
66 32.6 24.5 45.5



#9
Trichlorofluoromethane
Concen: 177.519 ug/L
RT: 1.75 min Scan# 205
Delta R.T. -0.01 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion: 101 Resp: 364158
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5





#10

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

Concen: 171.284 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

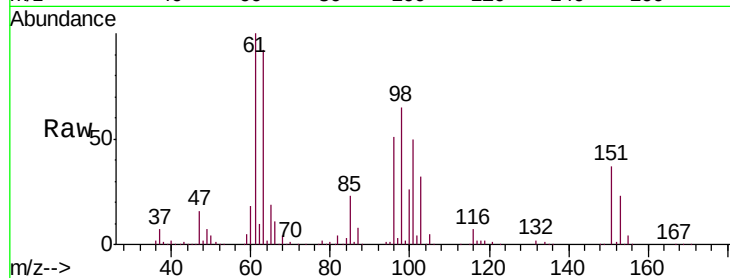
Tgt Ion: 101 Resp: 195140

Ion Ratio Lower Upper

101 100

85 47.2 38.5 57.7

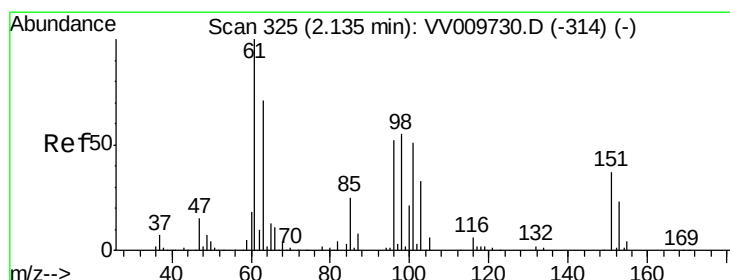
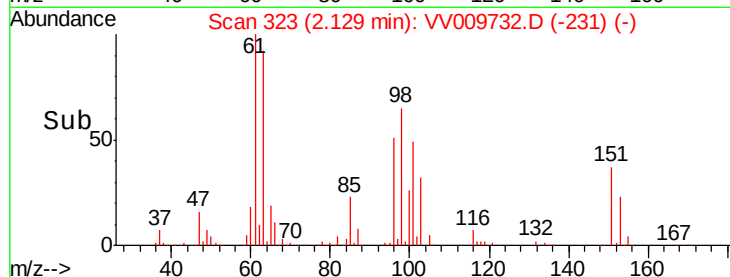
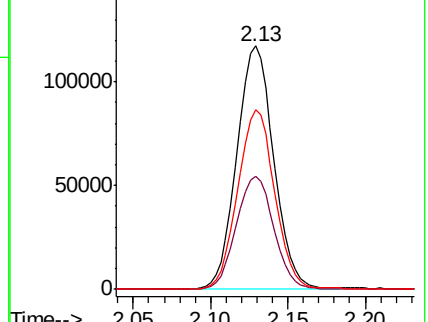
151 73.8 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009732.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009732.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009732.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 175.130 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

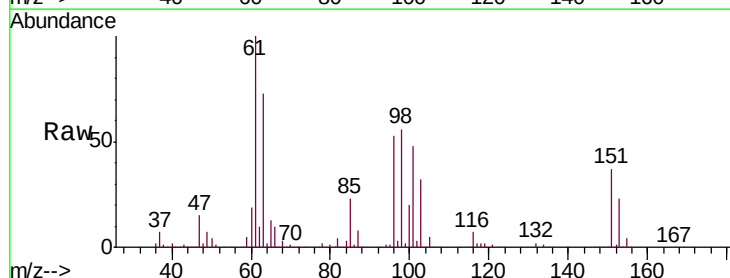
Tgt Ion: 96 Resp: 170861

Ion Ratio Lower Upper

96 100

61 188.2 135.5 251.7

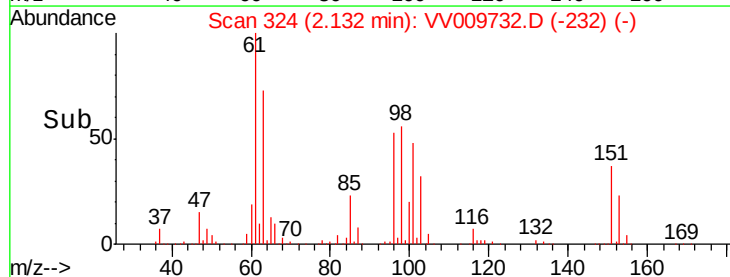
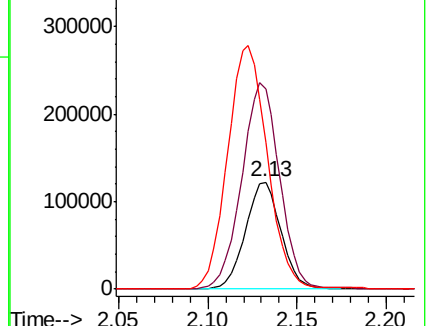
63 136.9 100.2 186.2

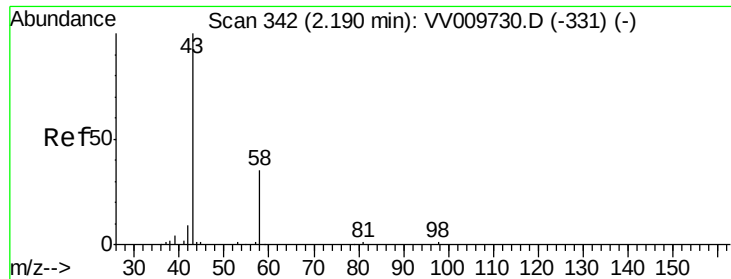


Abundance Ion 96.00 (95.70 to 96.70): VV009732.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009732.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009732.D (-314) (-)





#13

Acetone

Concen: 313.352 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV009732.D

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Instrument :

MSVOA_V

ClientSampleId :

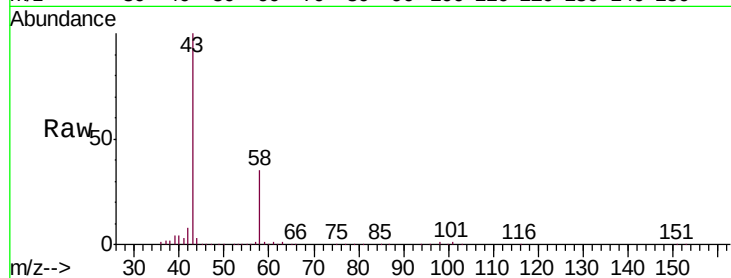
VSTD20066

Tgt Ion: 43 Resp: 221060

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009730.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009730.D (-331) (-)

2.19

150000

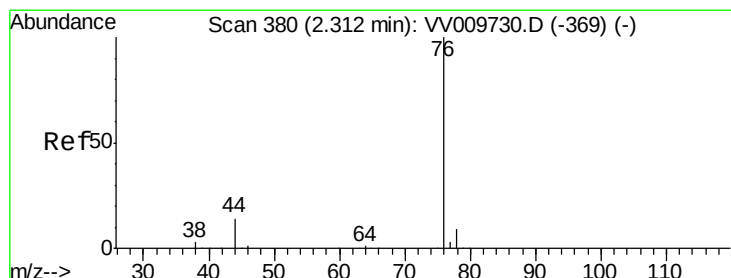
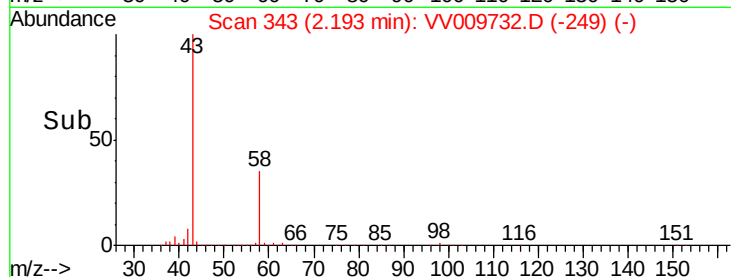
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50000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 209.317 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009732.D

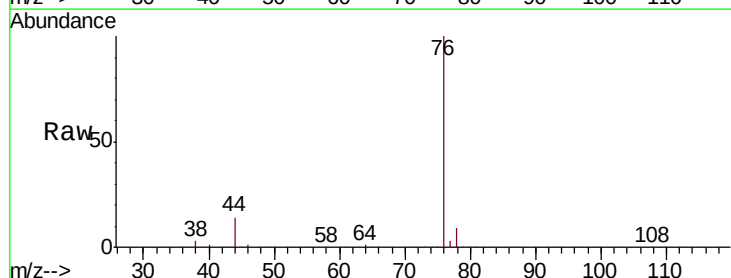
Acq: 16 Mar 2019 16:02

Tgt Ion: 76 Resp: 528503

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009730.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009730.D (-369) (-)

2.31

400000

300000

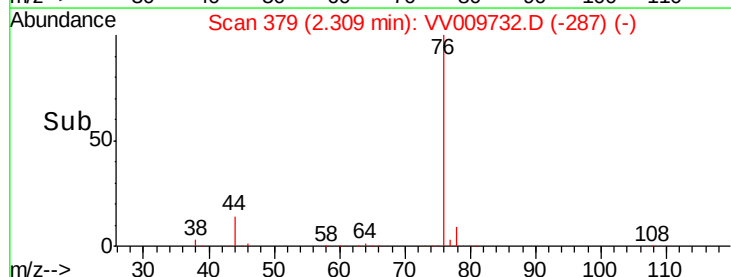
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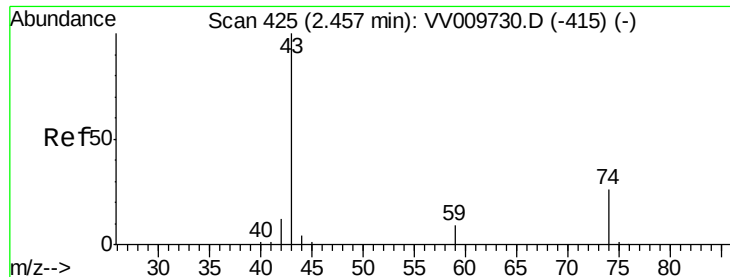
100000

0

2.20 2.30 2.40

Time-->





#15

Methyl Acetate

Concen: 197.965 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

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ClientSampleId :

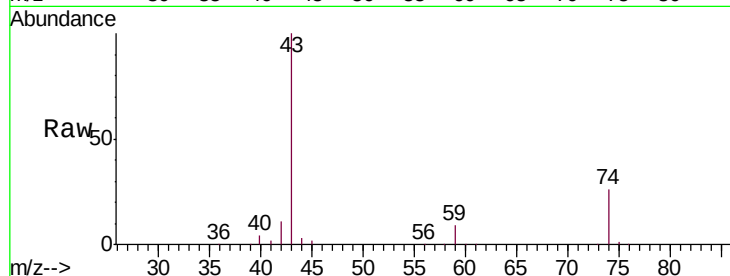
VSTD20066

Tgt Ion: 43 Resp: 183754

Ion Ratio Lower Upper

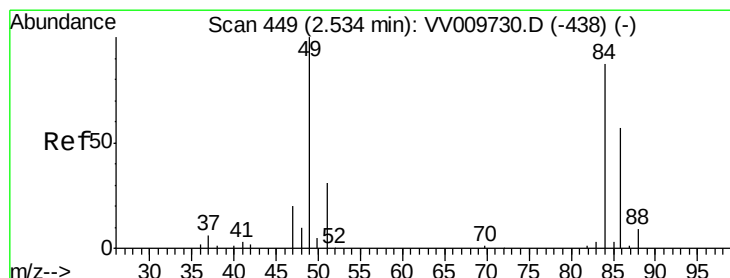
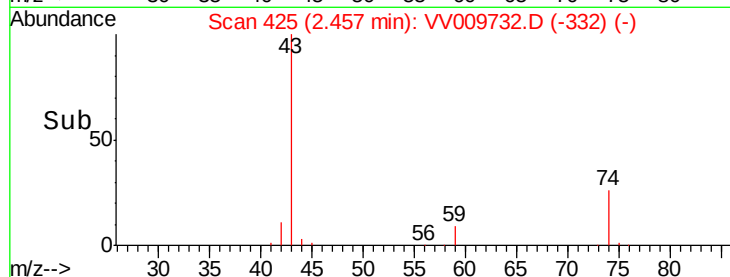
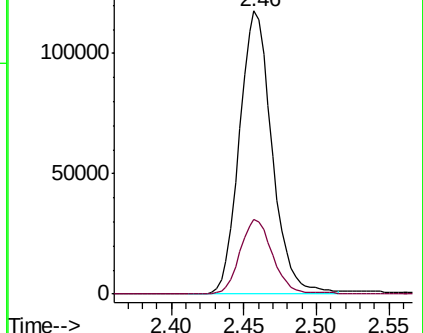
43 100

74 26.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV009732.D (-332) (-)

Ion 74.00 (73.70 to 74.70): VV009732.D (-332) (-)



#16

Methylene chloride

Concen: 205.456 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

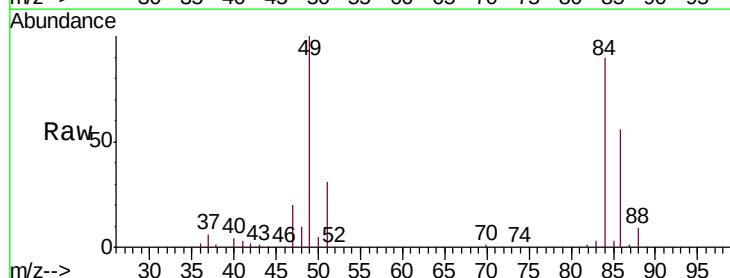
Tgt Ion: 84 Resp: 203883

Ion Ratio Lower Upper

84 100

86 62.2 45.8 85.2

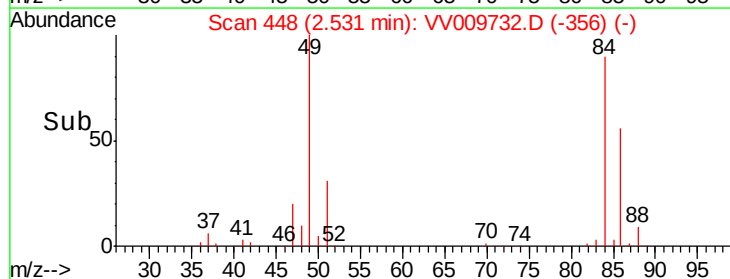
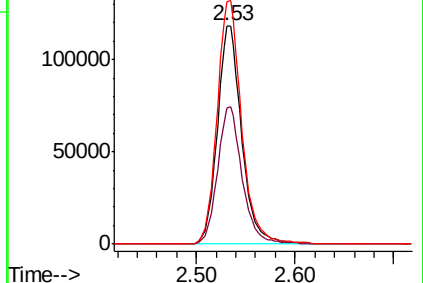
49 111.2 80.6 149.6

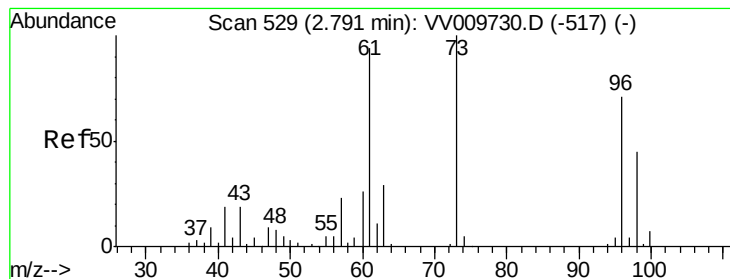


Abundance Ion 84.00 (83.70 to 84.70): VV009732.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV009732.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV009732.D (-356) (-)





#17

trans-1,2-Dichloroethene

Concen: 205.585 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

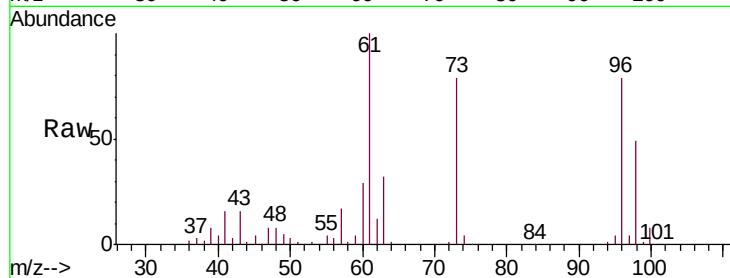
Tgt Ion: 96 Resp: 191051

Ion Ratio Lower Upper

96 100

61 126.0 92.0 170.9

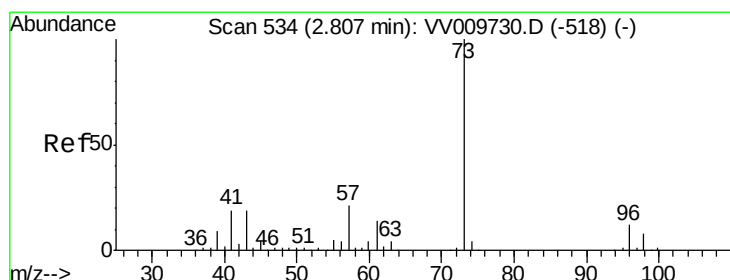
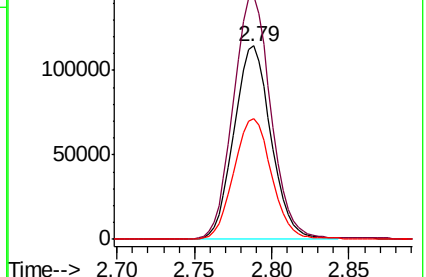
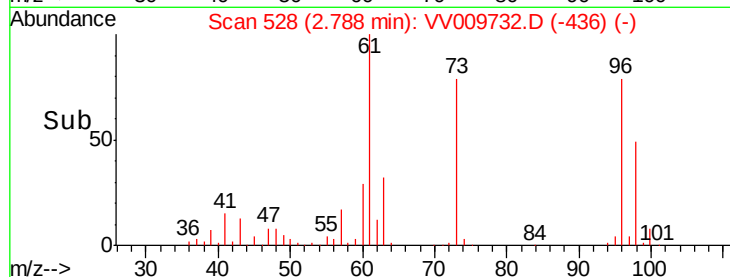
98 62.3 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009732.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV009732.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV009732.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 208.077 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

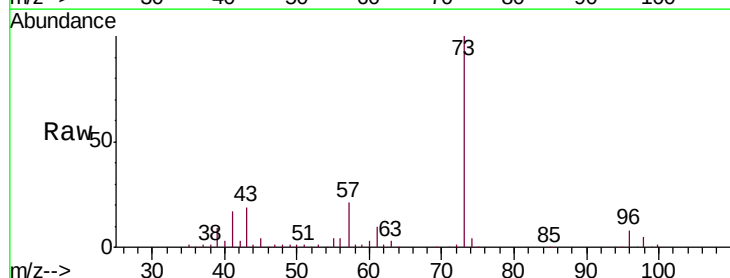
Tgt Ion: 73 Resp: 615439

Ion Ratio Lower Upper

73 100

43 18.8 15.2 22.8

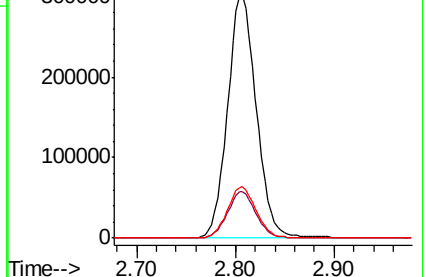
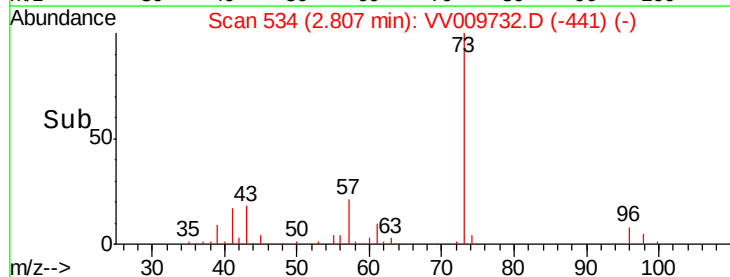
57 21.0 17.1 25.7

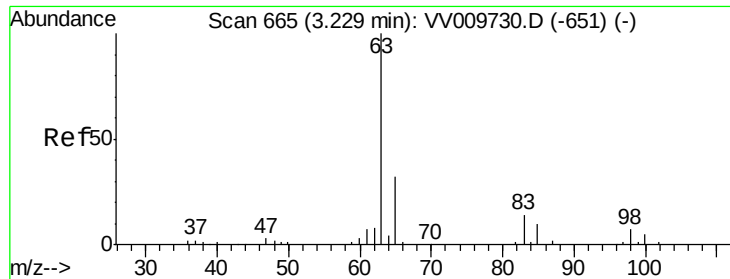


Abundance Ion 73.00 (72.70 to 73.70): VV009732.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV009732.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV009732.D (-441) (-)

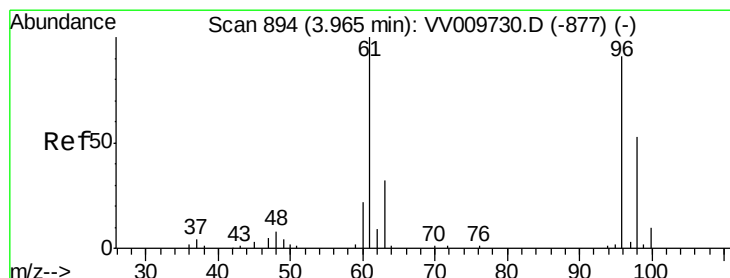
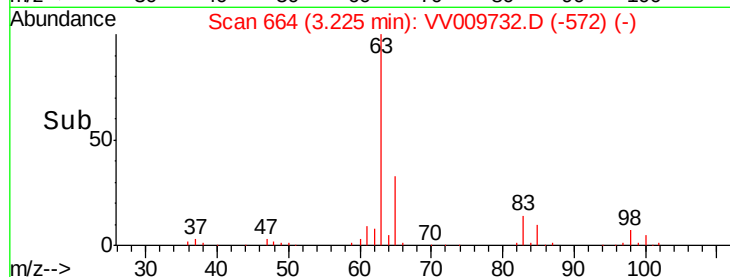
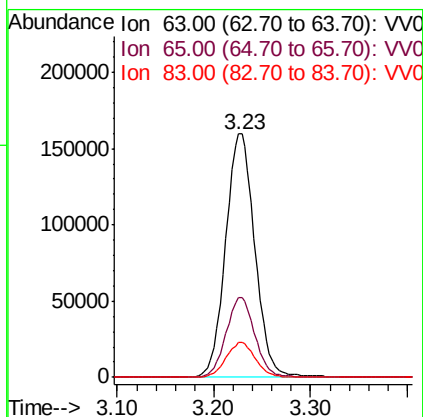
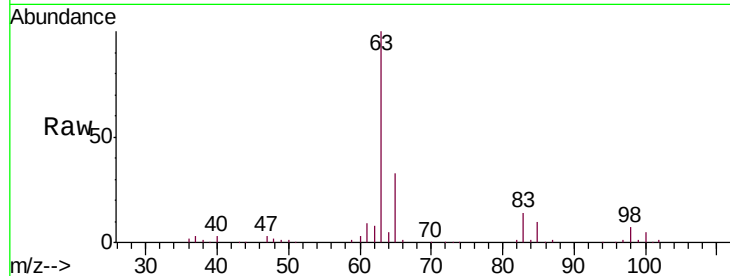




#19
 1,1-Dichloroethane
 Concen: 198.373 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

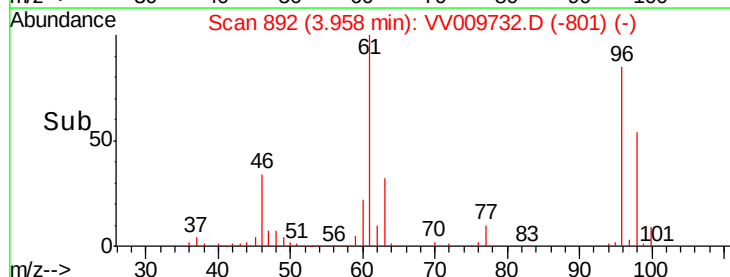
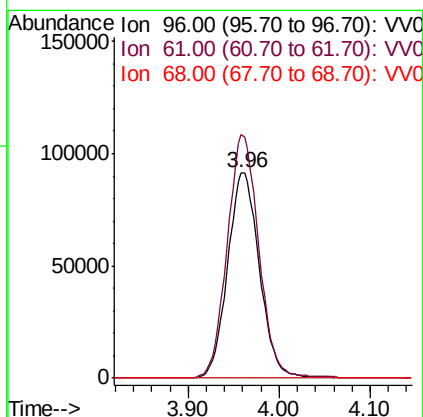
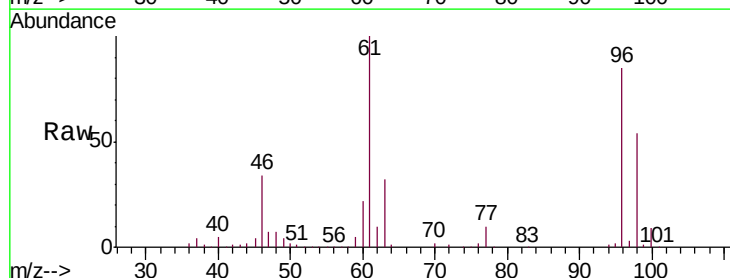
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

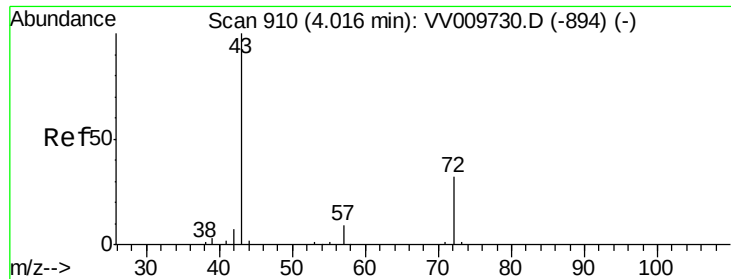
Tgt Ion: 63 Resp: 335265
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.7 42.3
 83 14.2 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 206.041 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion: 96 Resp: 222033
 Ion Ratio Lower Upper
 96 100
 61 118.3 77.5 143.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 389.883 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

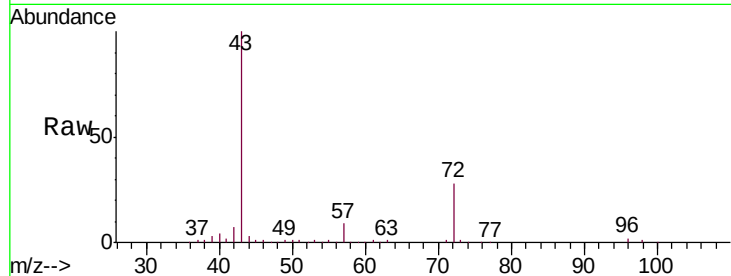
VSTD20066

Tgt Ion: 43 Resp: 299351

Ion Ratio Lower Upper

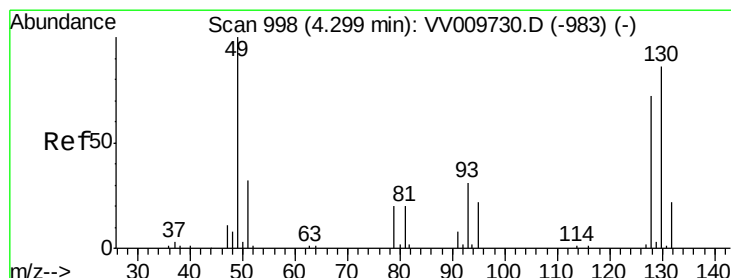
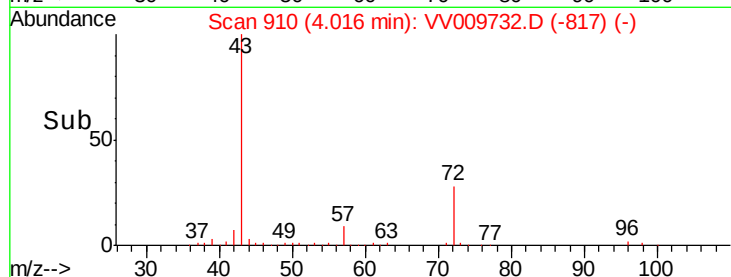
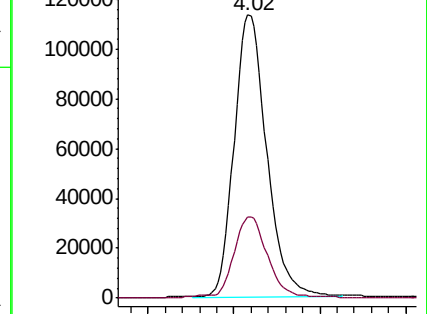
43 100

72 28.8 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009732.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV009732.D (-817) (-)



#23

Bromochloromethane

Concen: 197.884 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Tgt Ion: 128 Resp: 107159

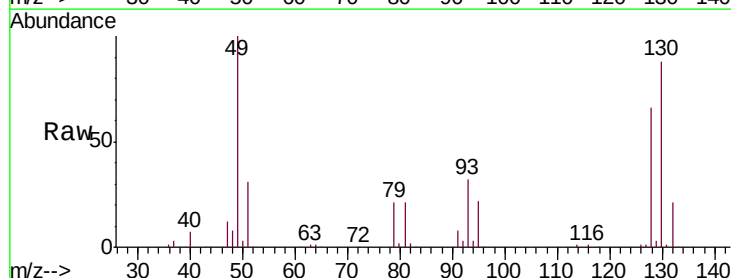
Ion Ratio Lower Upper

128 100

49 151.2 98.0 182.0

130 133.4 84.5 156.9

51 47.5 35.8 53.8

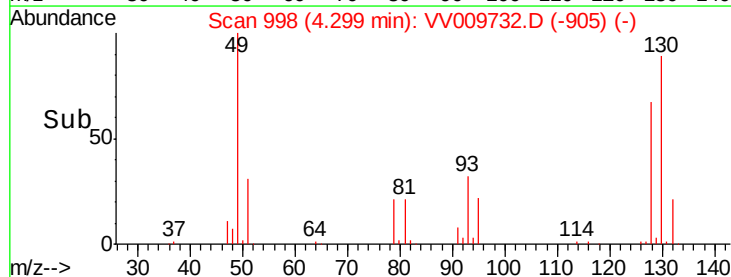
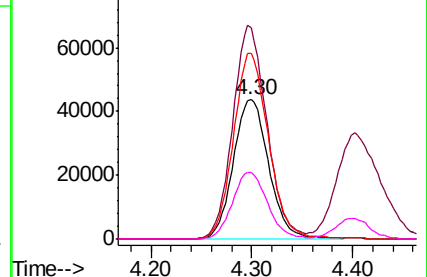


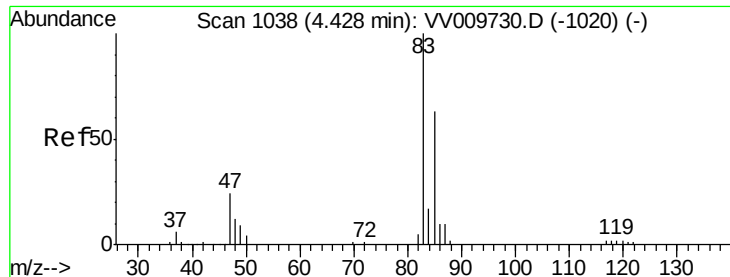
Abundance Ion 128.00 (127.70 to 128.70): VV009732.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV009732.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV009732.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV009732.D (-905) (-)

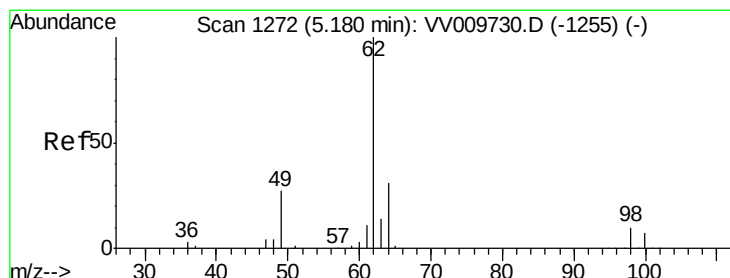
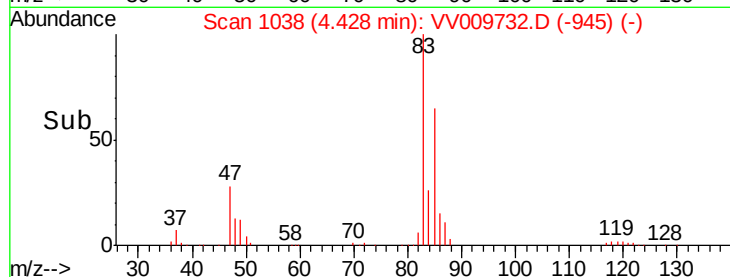
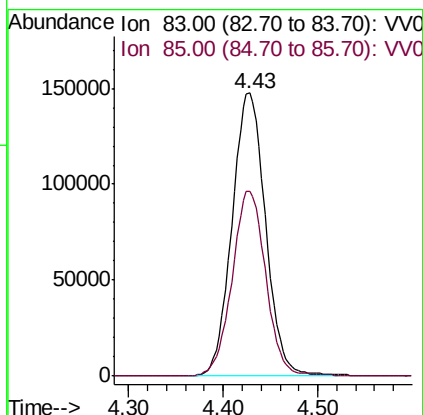
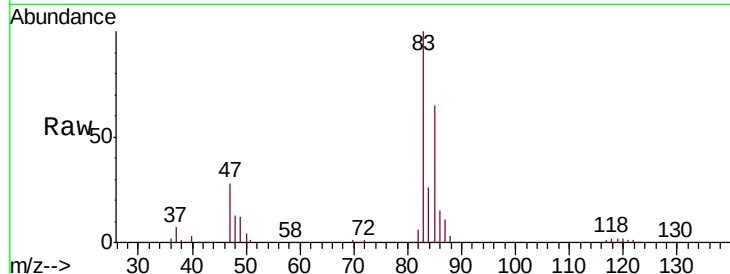




#25
Chloroform
Concen: 191.730 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

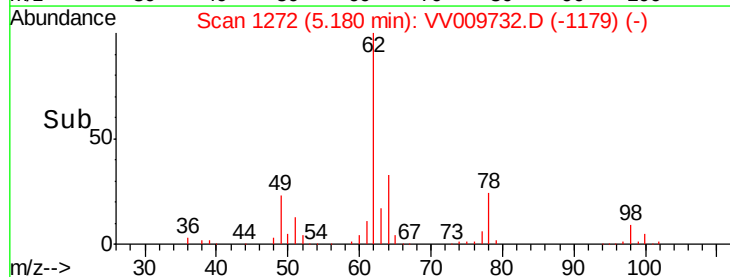
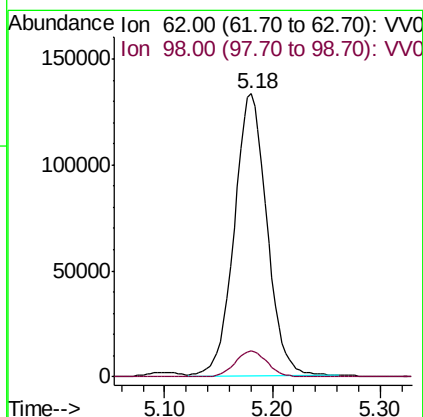
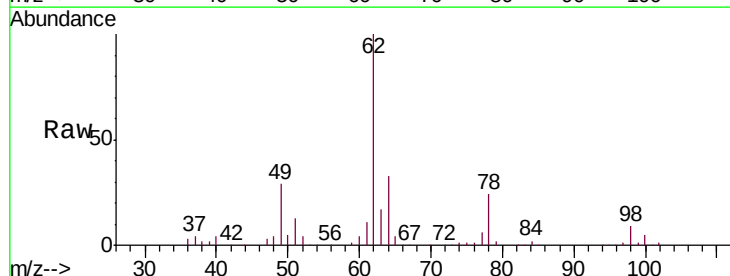
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

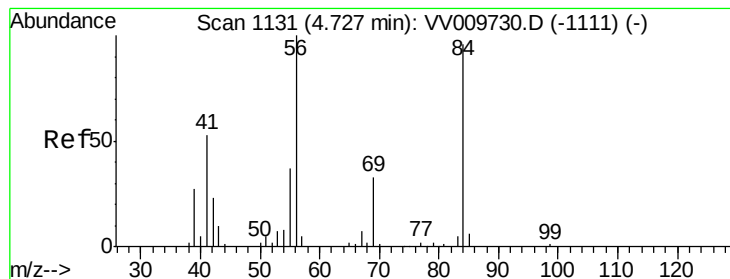
Tgt Ion: 83 Resp: 363292
Ion Ratio Lower Upper
83 100
85 65.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 192.205 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion: 62 Resp: 281015
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6





#29

Cyclohexane

Concen: 199.928 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

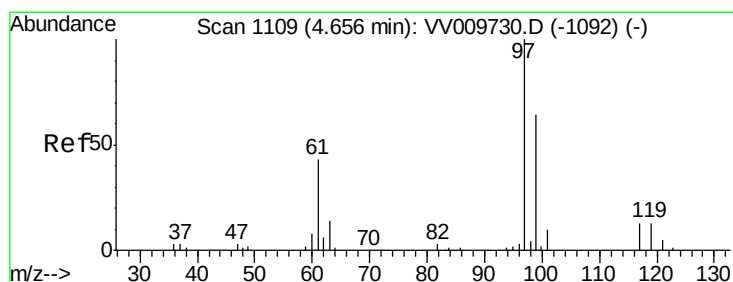
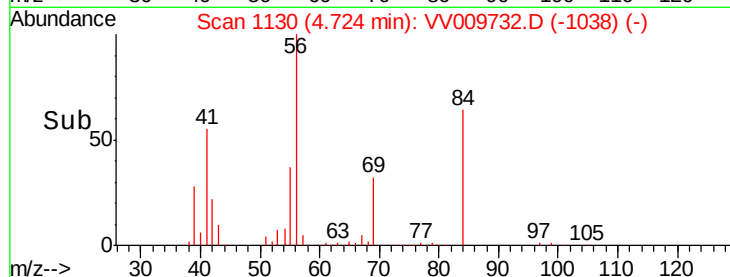
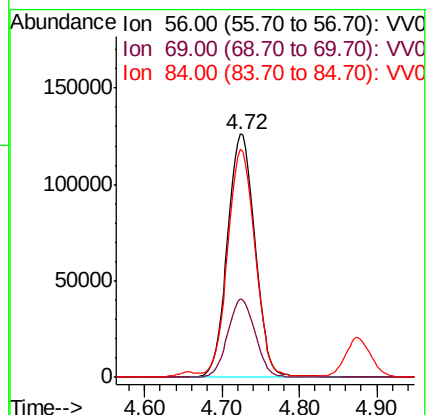
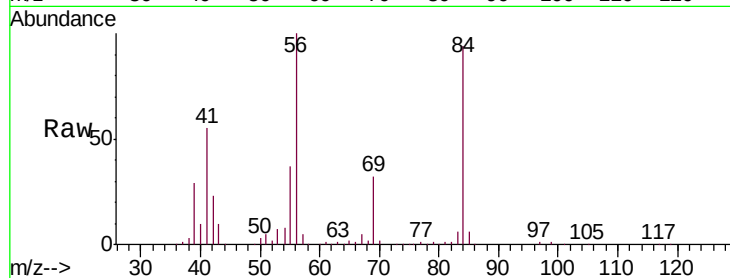
Tgt Ion: 56 Resp: 311581

Ion Ratio Lower Upper

56 100

69 32.0 25.8 38.6

84 92.4 75.8 113.6



#30

1,1,1-Trichloroethane

Concen: 197.383 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

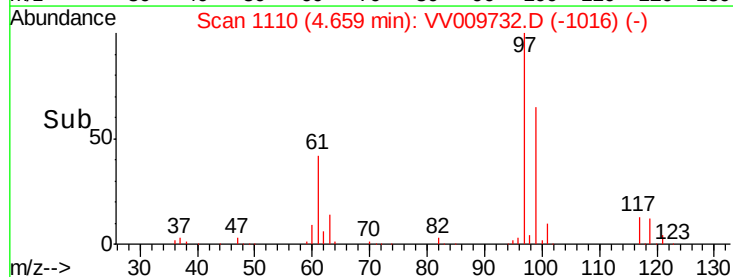
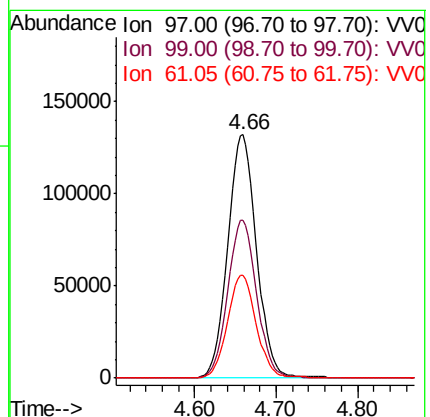
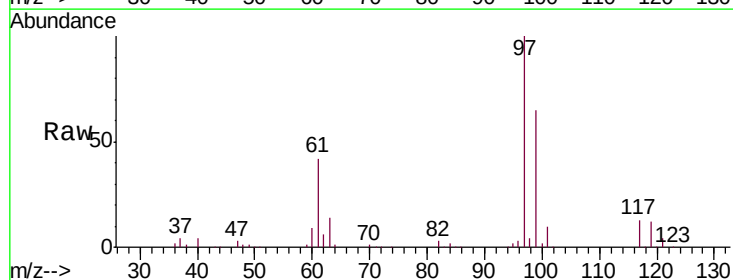
Tgt Ion: 97 Resp: 327929

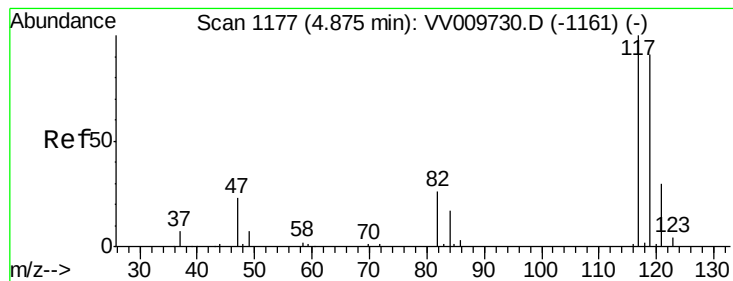
Ion Ratio Lower Upper

97 100

99 65.0 50.9 76.3

61 42.1 33.9 50.9





#31

Carbon tetrachloride

Concen: 206.062 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

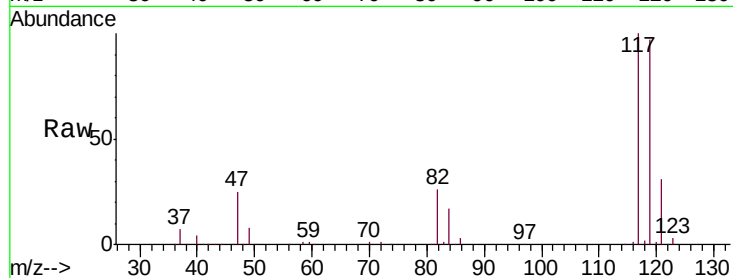
VSTD20066

Tgt Ion:117 Resp: 287908

Ion Ratio Lower Upper

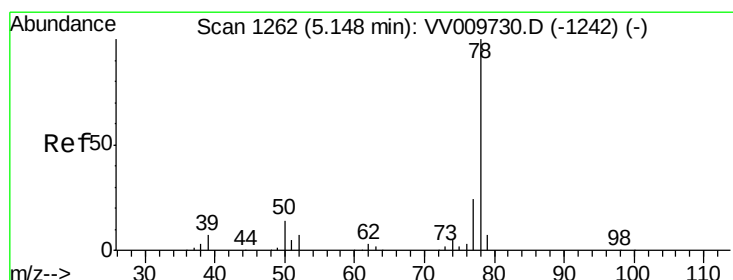
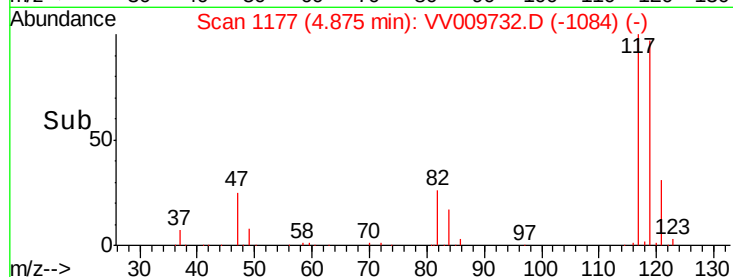
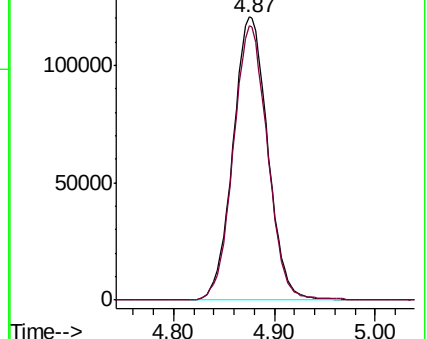
117 100

119 95.5 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 197.995 ug/L

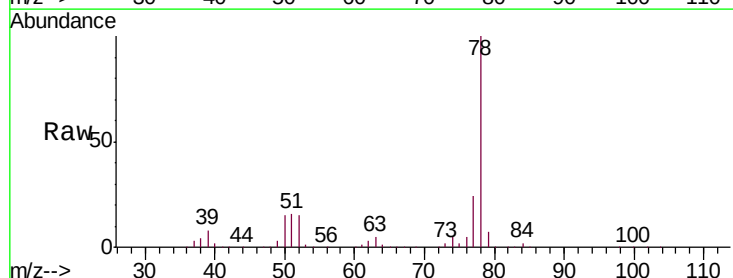
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

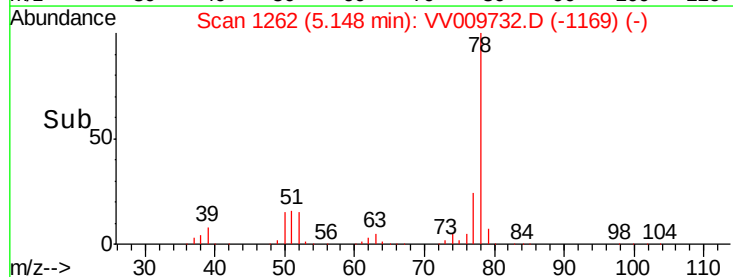
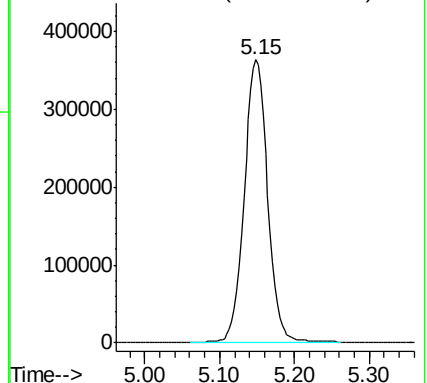
Lab File: VV009732.D

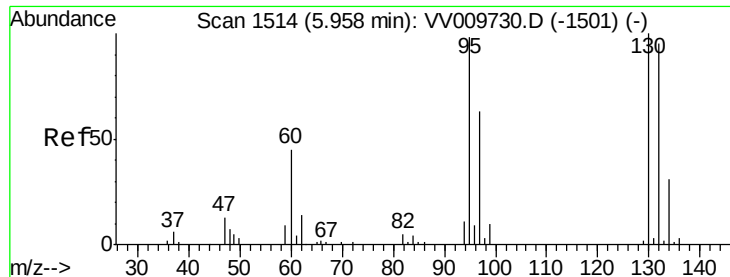
Acq: 16 Mar 2019 16:02

Tgt Ion: 78 Resp: 793876



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 195.584 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

Tgt Ion: 95 Resp: 209697

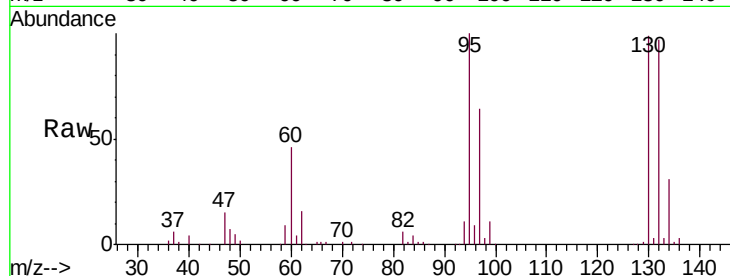
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 97.0 68.0 126.2

130 99.3 71.3 132.3

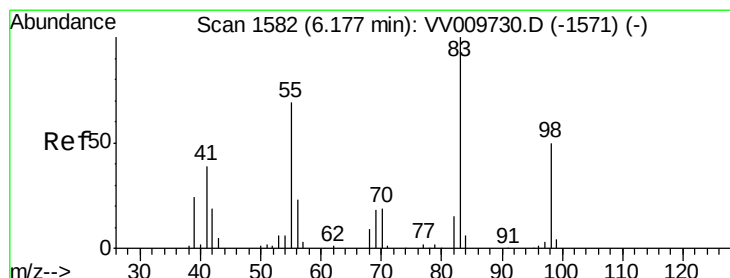
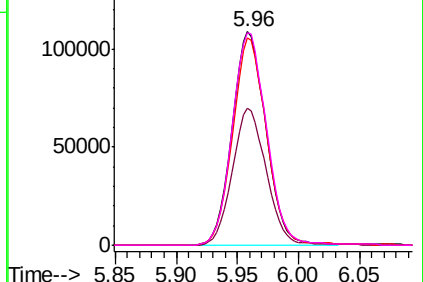
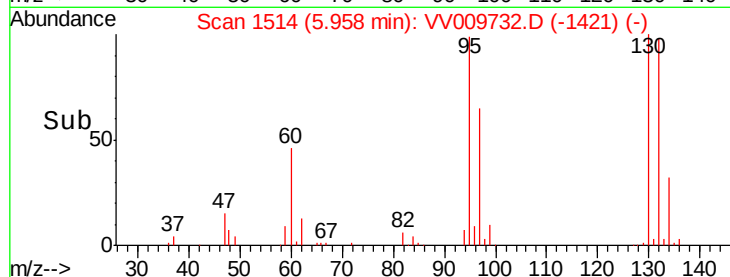


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 199.202 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

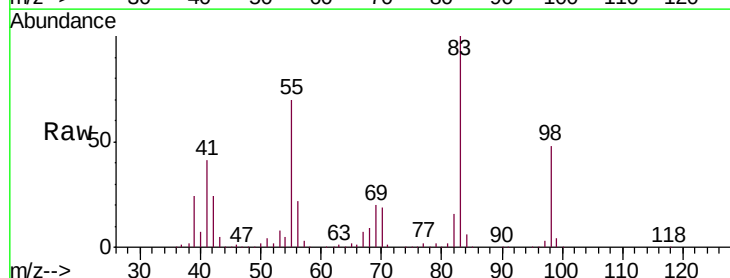
Tgt Ion: 83 Resp: 348421

Ion Ratio Lower Upper

83 100

55 70.4 54.2 81.4

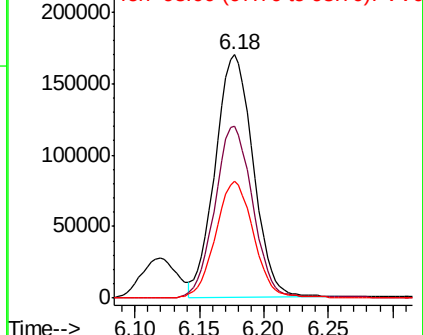
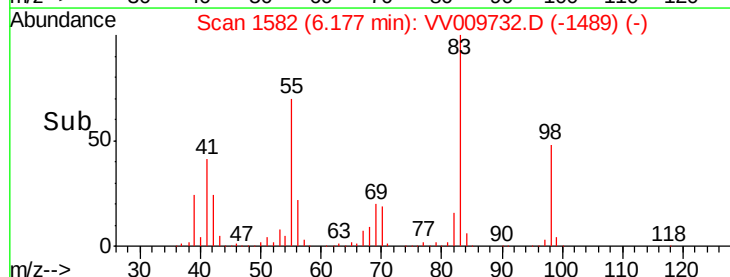
98 47.7 38.4 57.6

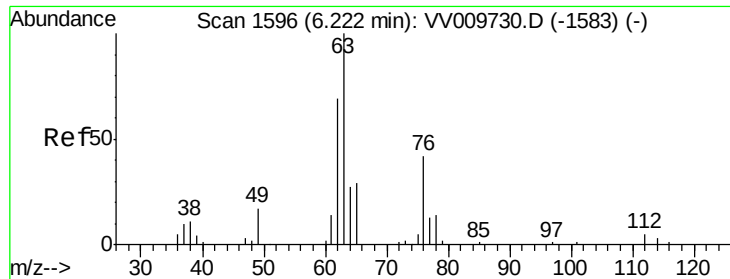


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

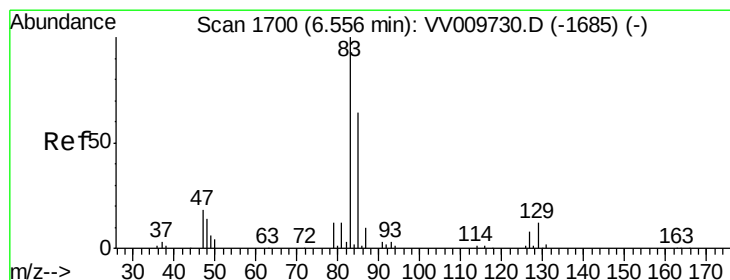
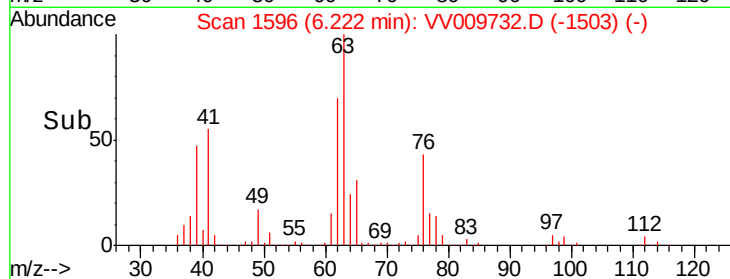
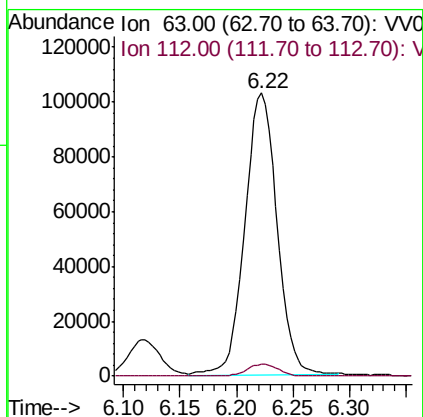
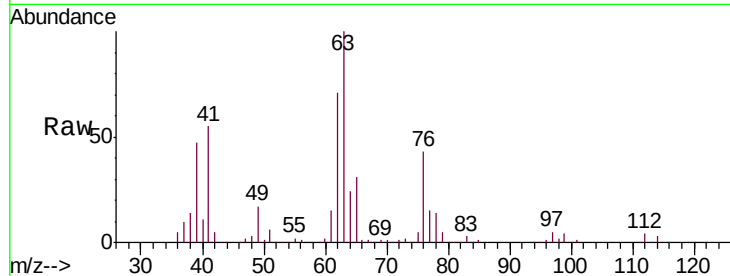




#37
 1,2-Dichloropropane
 Concen: 197.691 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

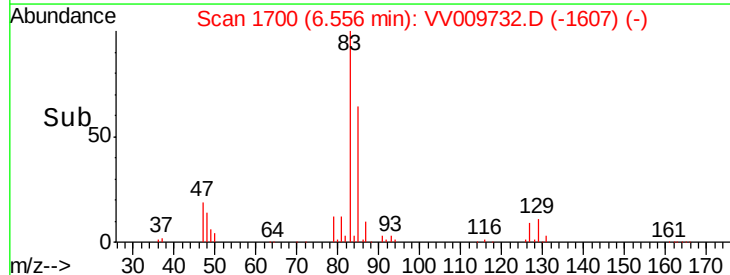
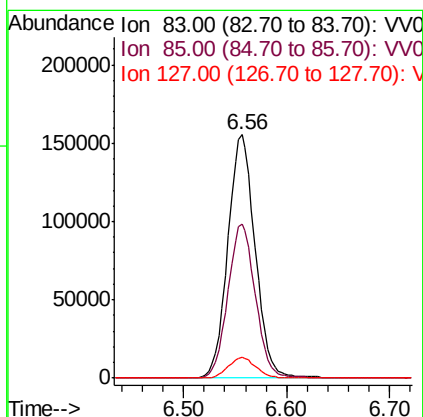
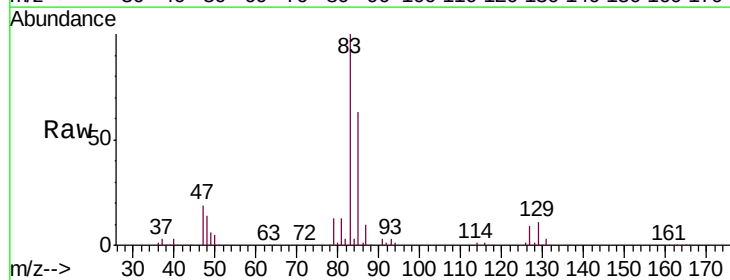
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

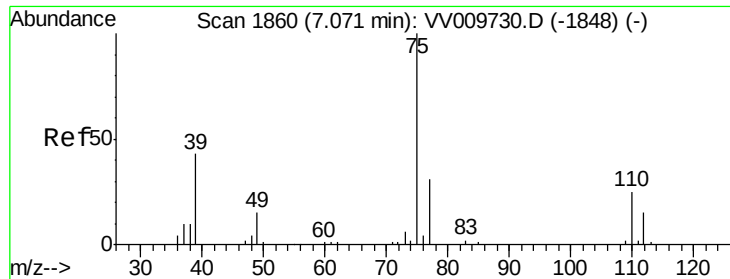
Tgt Ion: 63 Resp: 202767
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 200.468 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion: 83 Resp: 286242
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.9 83.5
 127 8.6 6.7 10.1

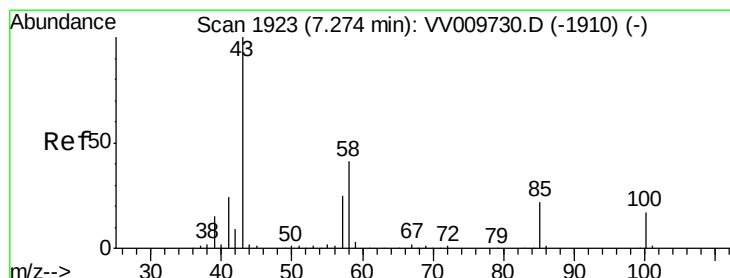
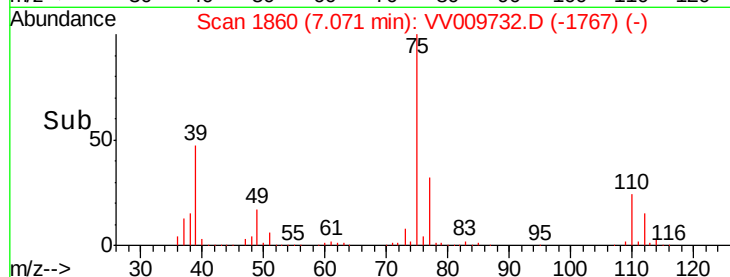
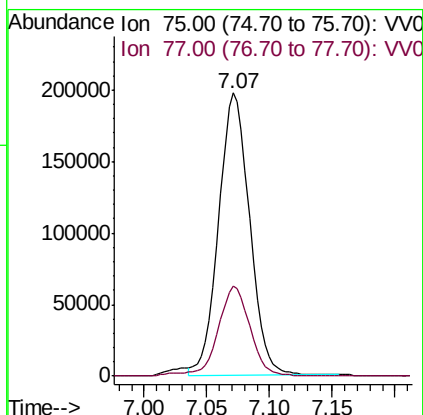
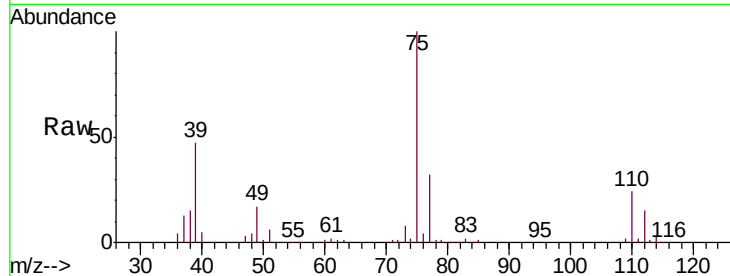




#39
 cis-1,3-Dichloropropene
 Concen: 209.522 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

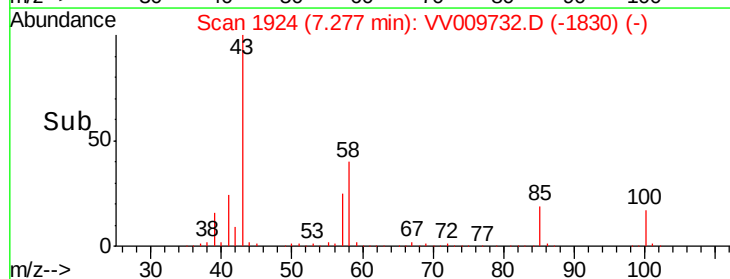
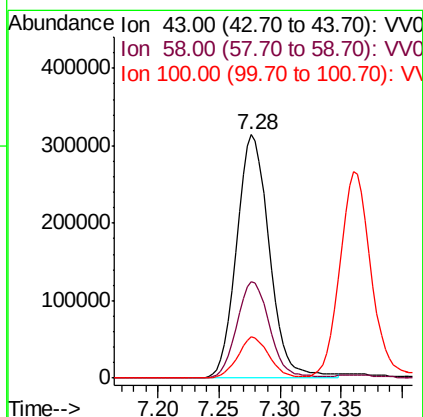
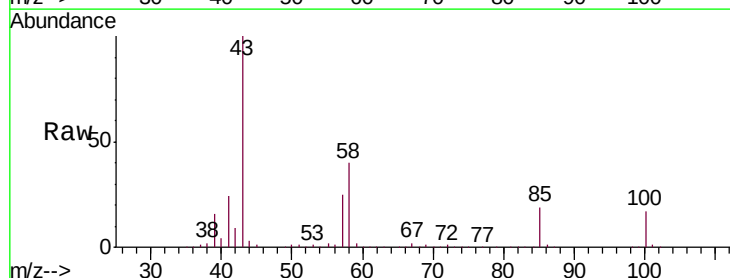
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

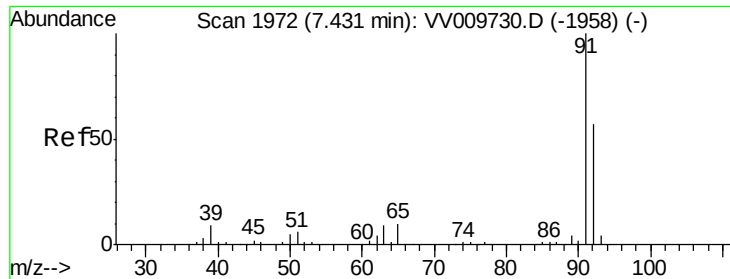
Tgt Ion: 75 Resp: 339797
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 426.981 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion: 43 Resp: 584403
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.3 48.5
 100 16.2 13.7 20.5





#42

Toluene

Concen: 197.597 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

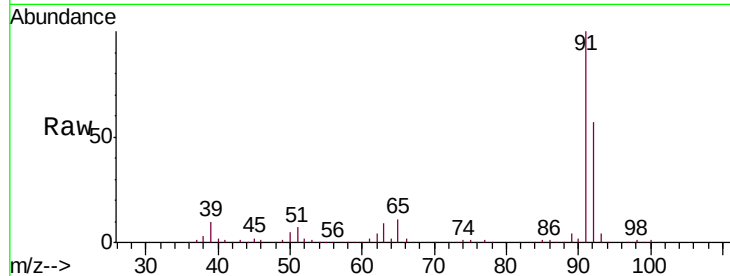
VSTD20066

Tgt Ion: 91 Resp: 901584

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009732.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VV009732.D (-1879) (-)

7.43

500000

400000

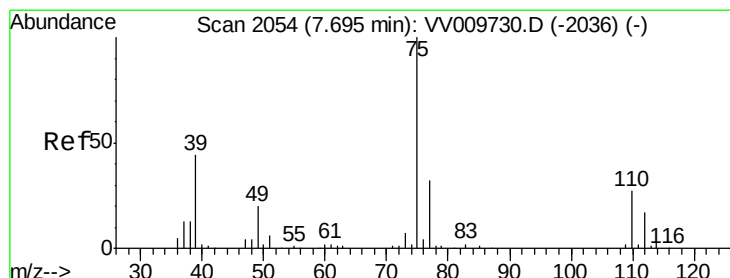
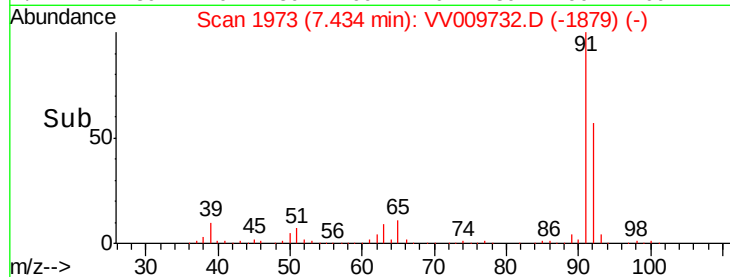
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 220.640 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009732.D

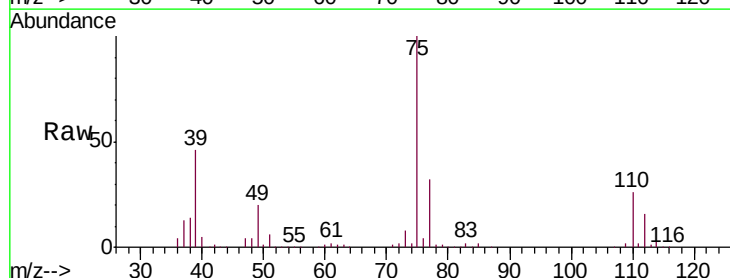
Acq: 16 Mar 2019 16:02

Tgt Ion: 75 Resp: 332461

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009732.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV009732.D (-1961) (-)

7.69

200000

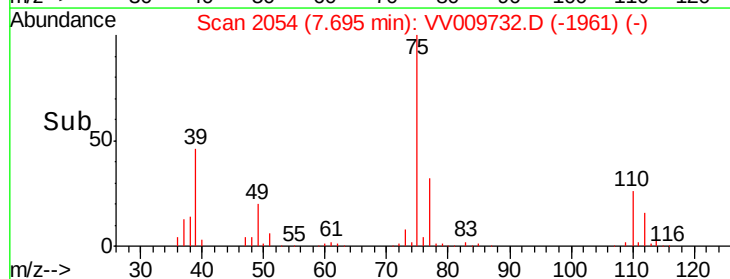
150000

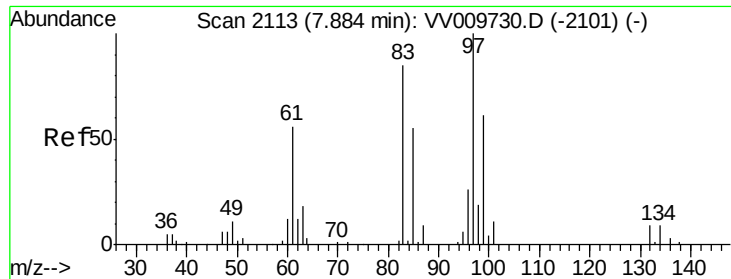
100000

50000

0

Time--> 7.60 7.70 7.80

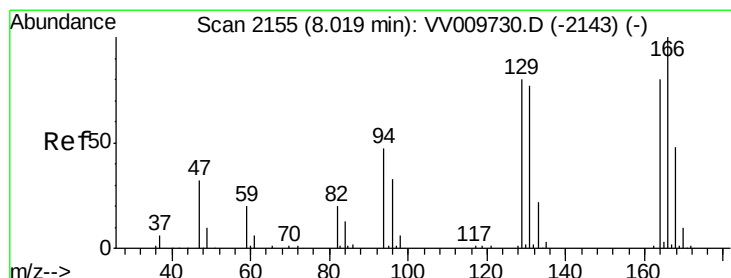
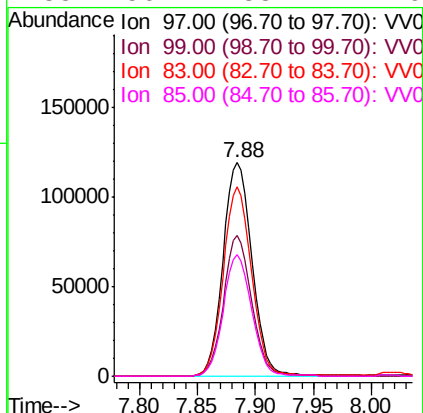
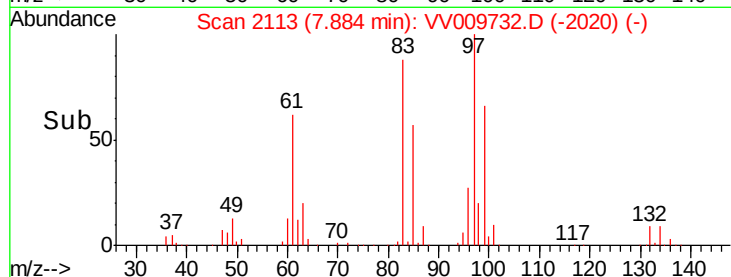
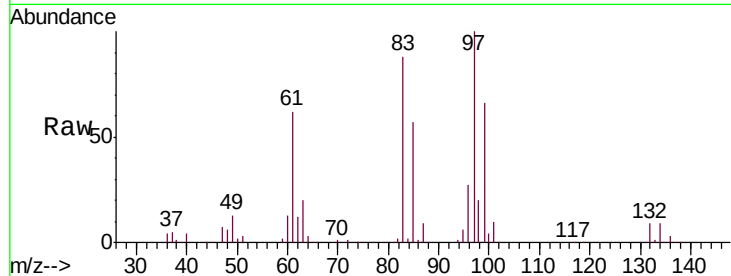




#45
 1,1,2-Trichloroethane
 Concen: 195.918 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

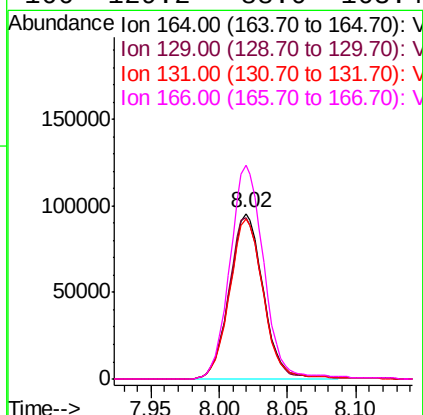
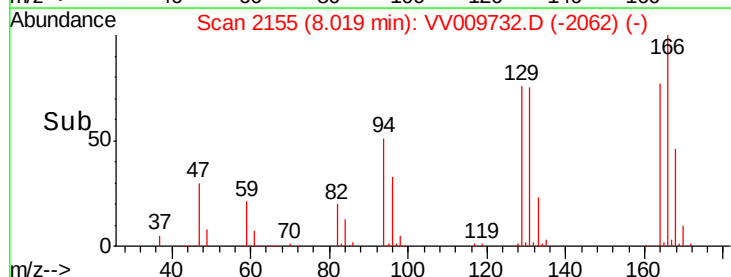
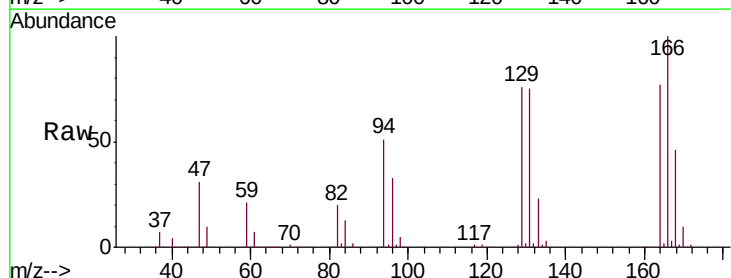
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

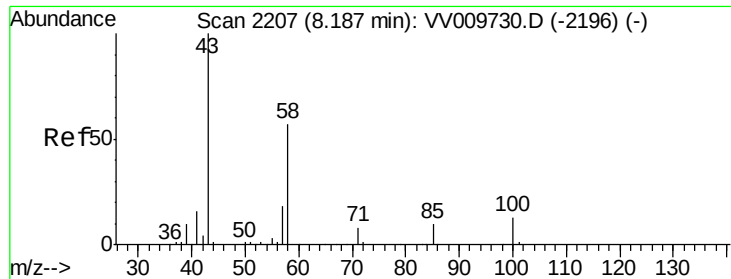
Tgt Ion:	97	Resp:	208316
Ion	Ratio	Lower	Upper
97	100		
99	65.8	42.8	79.6
83	88.4	59.7	110.9
85	56.7	38.7	71.9



#46
 Tetrachloroethene
 Concen: 193.232 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion:	164	Resp:	164204
Ion	Ratio	Lower	Upper
164	100		
129	97.9	70.0	130.0
131	96.8	67.5	125.4
166	129.2	88.0	163.4

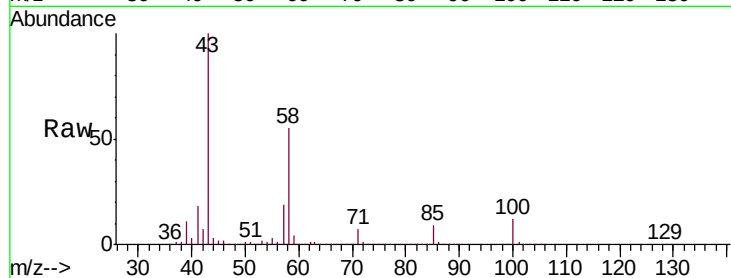




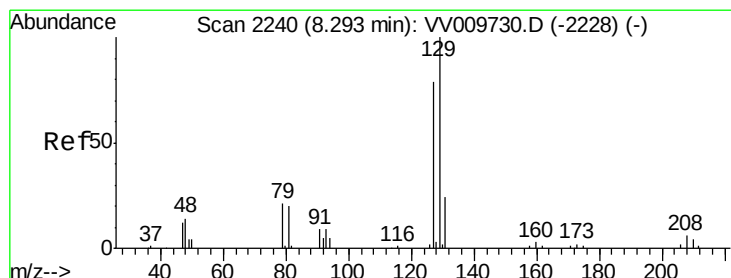
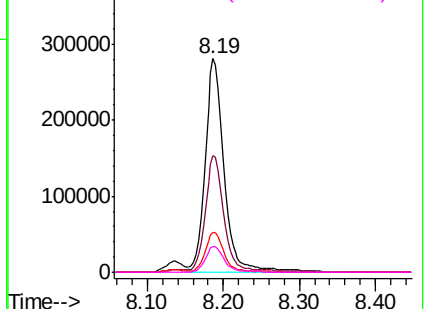
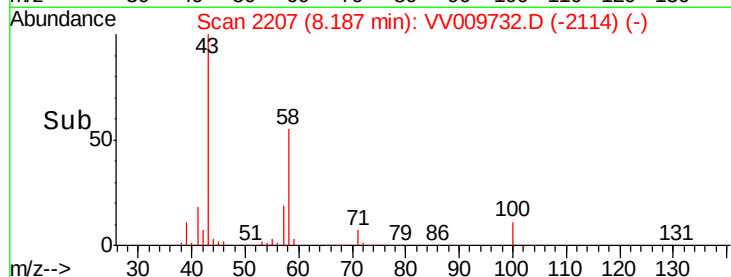
#48
2-Hexanone
Concen: 452.644 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tgt Ion: 43 Resp: 488101
Ion Ratio Lower Upper
43 100
58 53.4 46.0 69.0
57 18.0 14.8 22.2
100 11.8 10.8 16.2

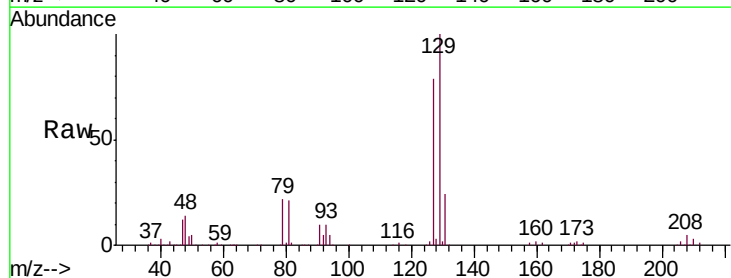


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

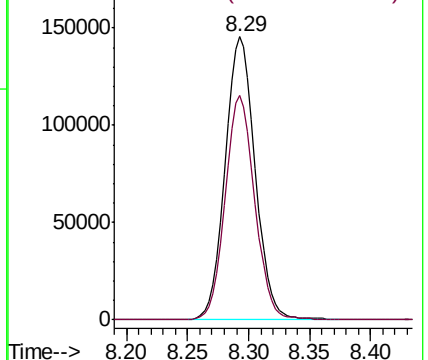
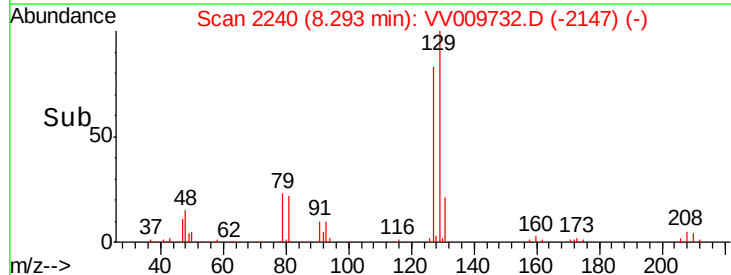


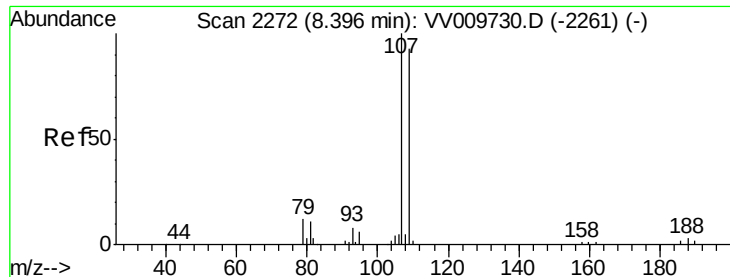
#49
Dibromochloromethane
Concen: 214.940 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion: 129 Resp: 251141
Ion Ratio Lower Upper
129 100
127 79.3 55.2 102.4



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

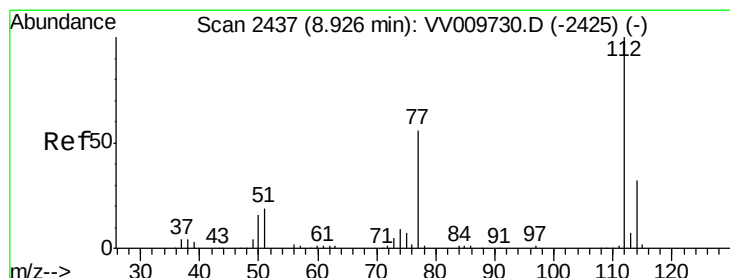
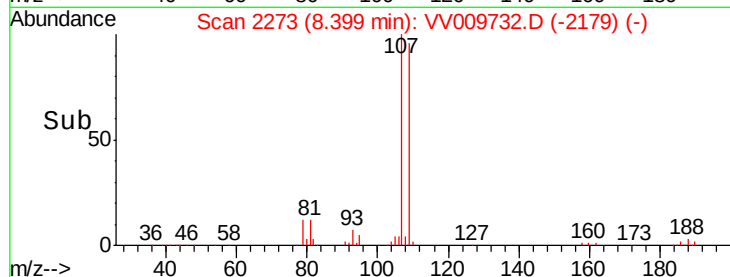
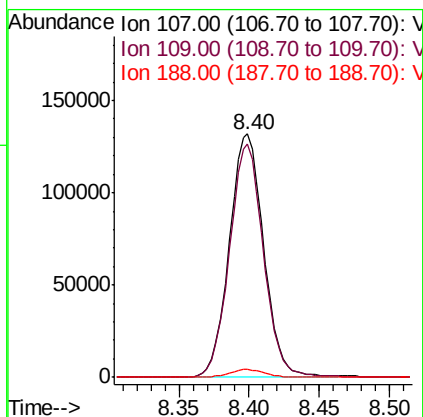
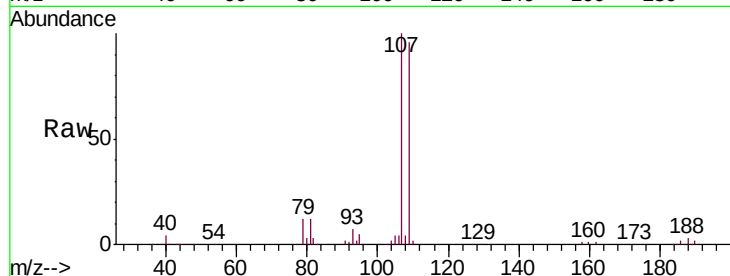




#50
1,2-Dibromoethane
Concen: 200.804 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

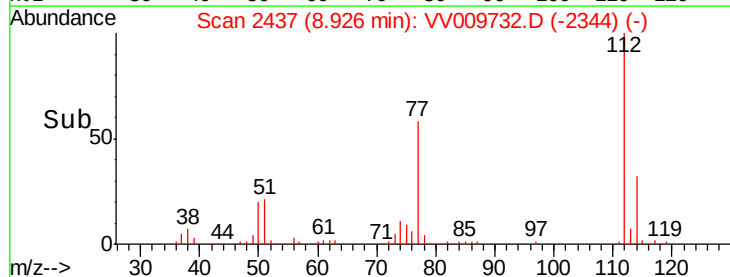
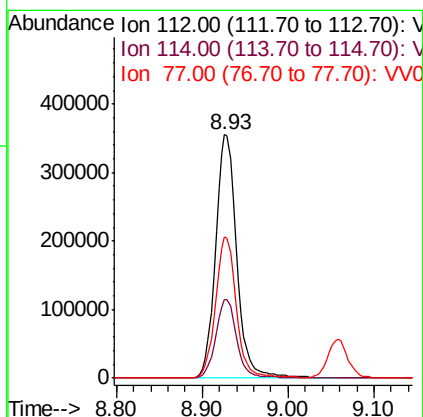
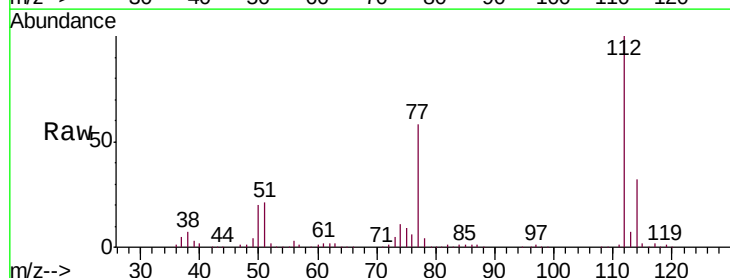
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

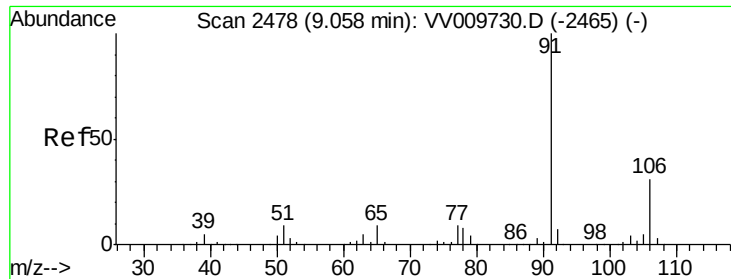
Tgt Ion:107 Resp: 224534
Ion Ratio Lower Upper
107 100
109 95.9 65.3 121.3
188 3.3 2.2 3.4



#51
Chlorobenzene
Concen: 199.799 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion:112 Resp: 609105
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 58.1 45.4 68.2





#52

Ethylbenzene

Concen: 206.545 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

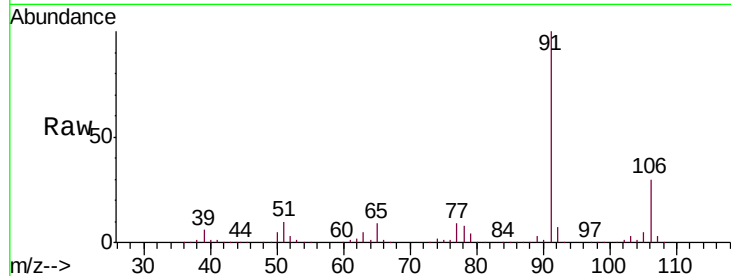
VSTD20066

Tgt Ion: 91 Resp: 1067114

Ion Ratio Lower Upper

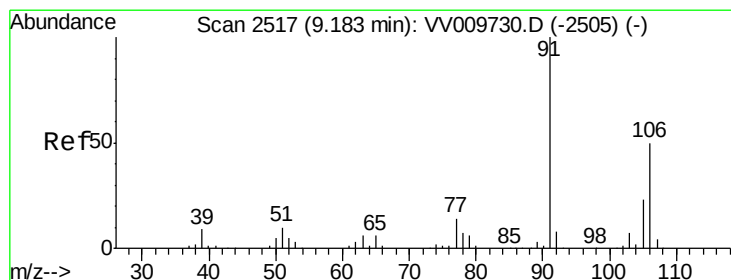
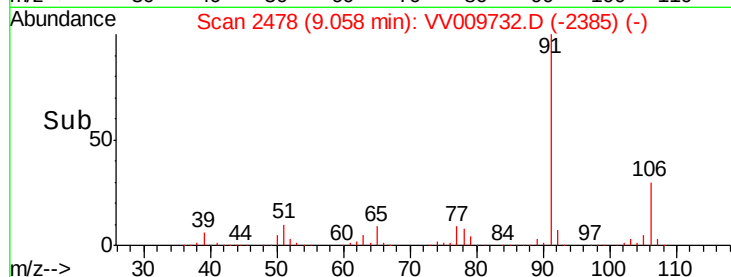
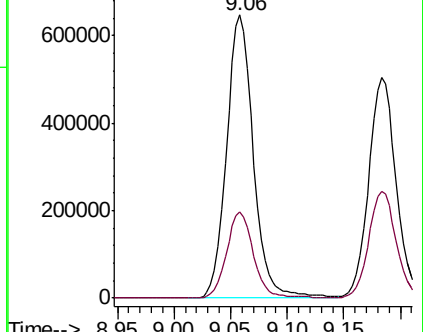
91 100

106 30.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009732.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV009732.D (-2465) (-)



#53

m,p-Xylene

Concen: 211.957 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009732.D

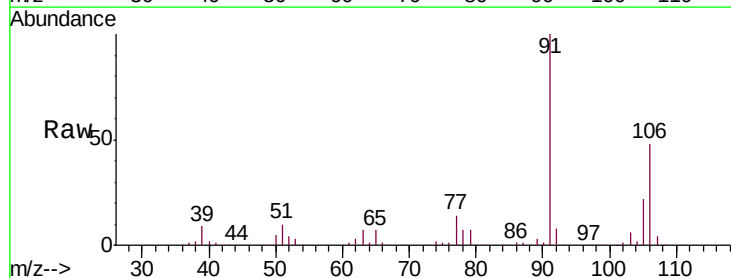
Acq: 16 Mar 2019 16:02

Tgt Ion: 106 Resp: 419813

Ion Ratio Lower Upper

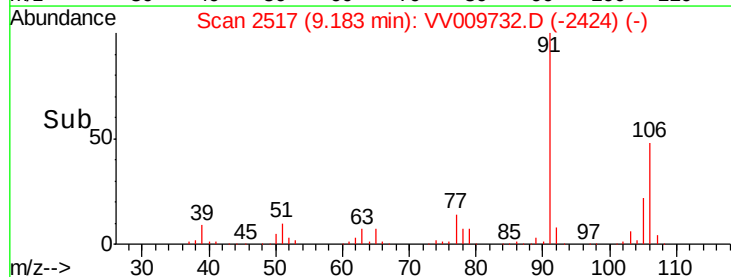
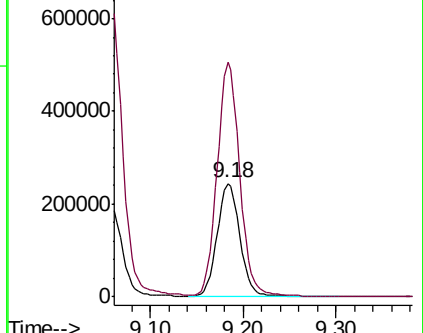
106 100

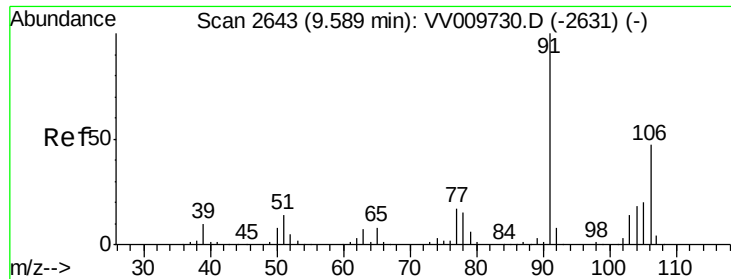
91 206.5 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009732.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VV009732.D (-2505) (-)

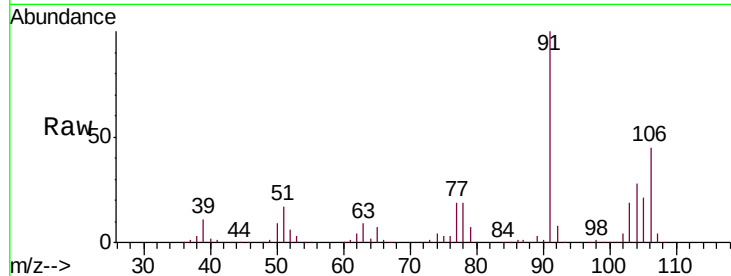




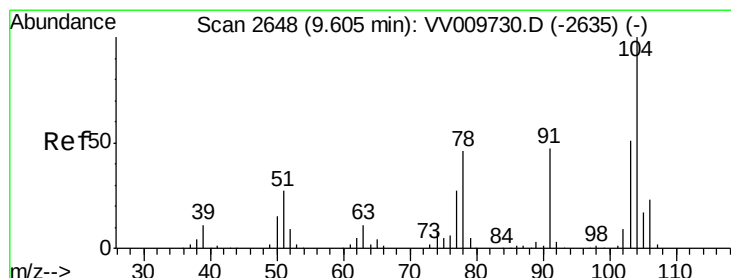
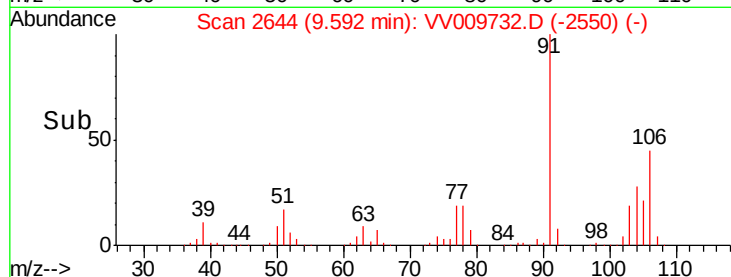
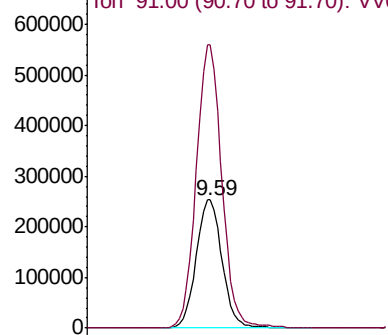
#54
o-Xylene
Concen: 212.156 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tgt Ion:106 Resp: 423499
Ion Ratio Lower Upper
106 100
91 220.5 148.3 275.5

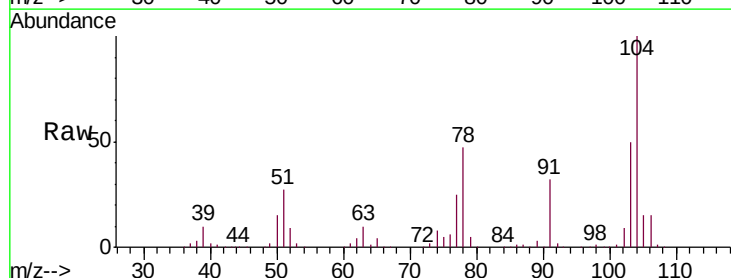


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

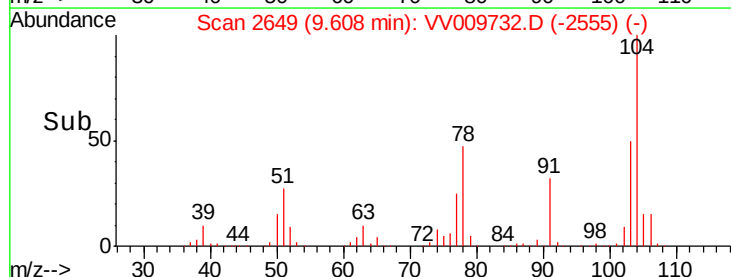
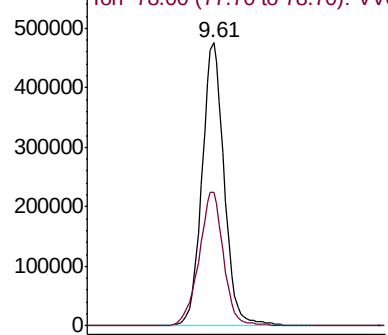


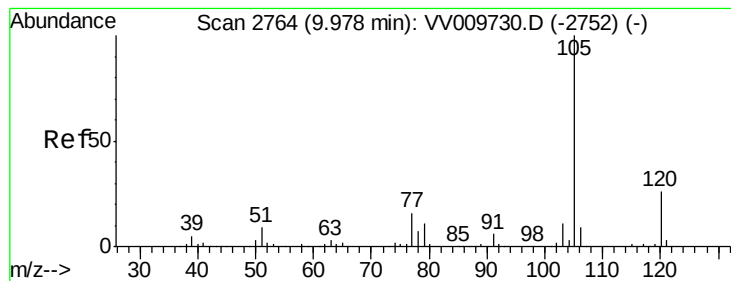
#55
Styrene
Concen: 240.671 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion:104 Resp: 774783
Ion Ratio Lower Upper
104 100
78 47.1 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 221.450 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

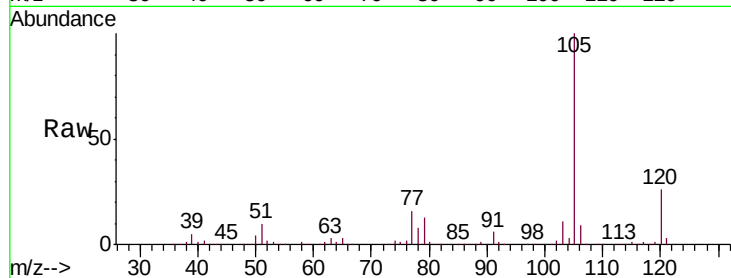
Tgt Ion:105 Resp: 1148939

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

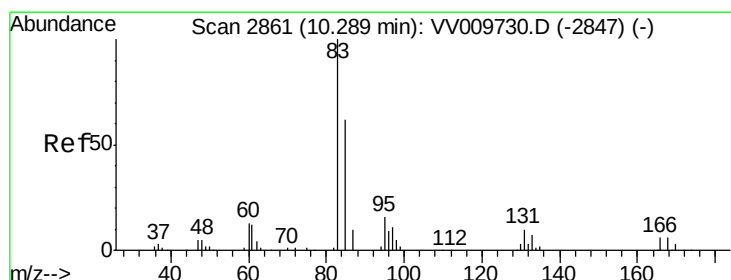
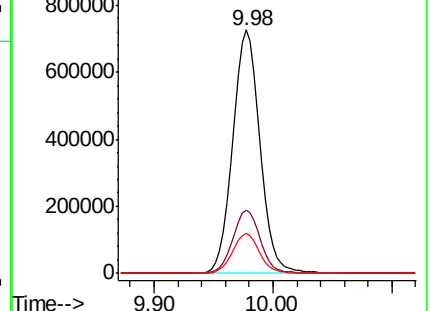
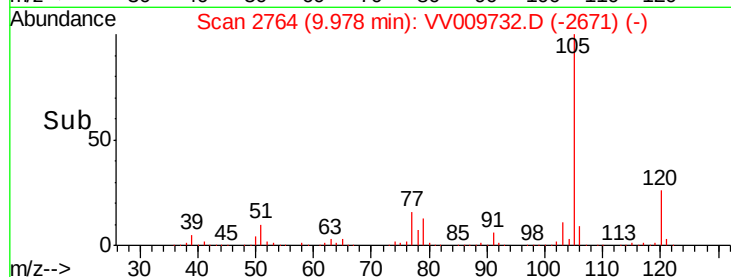
77 16.3 12.7 19.1



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: 208.572 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

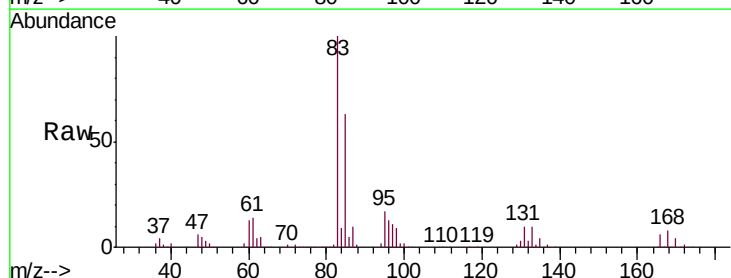
Tgt Ion: 83 Resp: 385820

Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.9

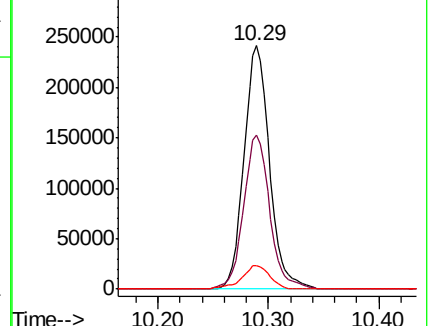
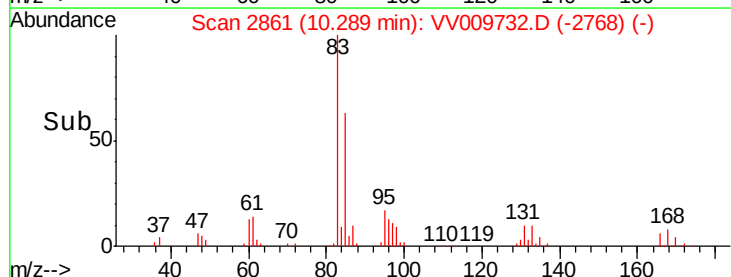
131 9.7 8.4 12.6

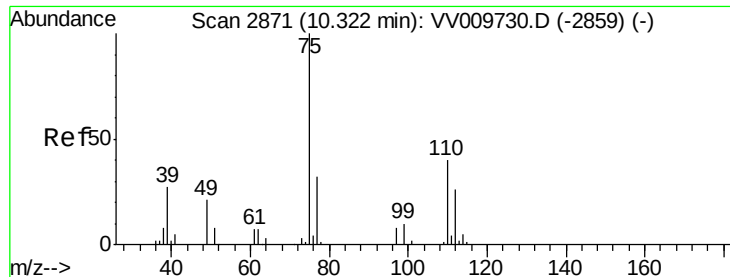


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

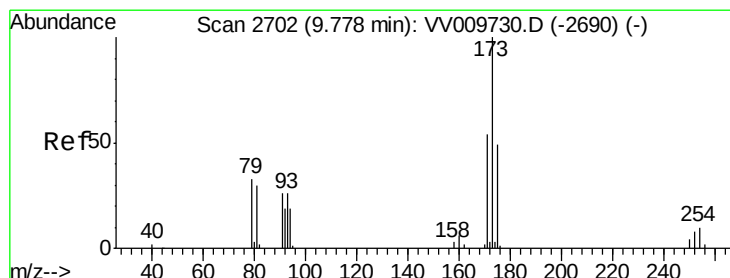
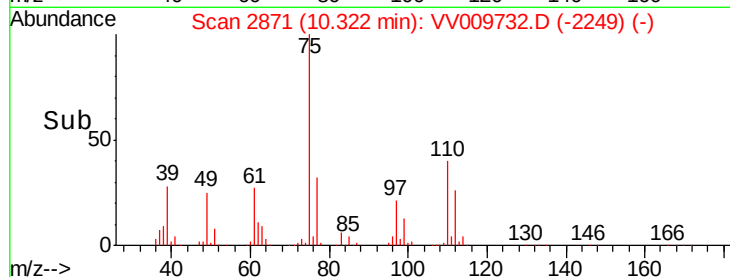
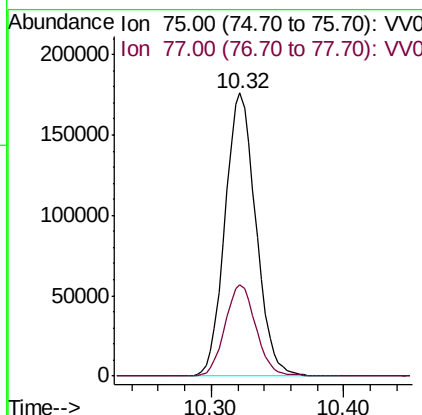
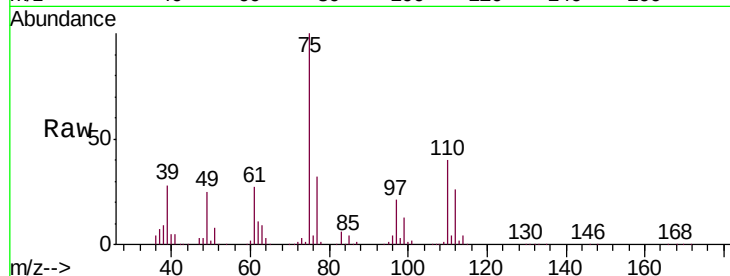




#59
 1,2,3-Trichloropropane
 Concen: 207.564 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

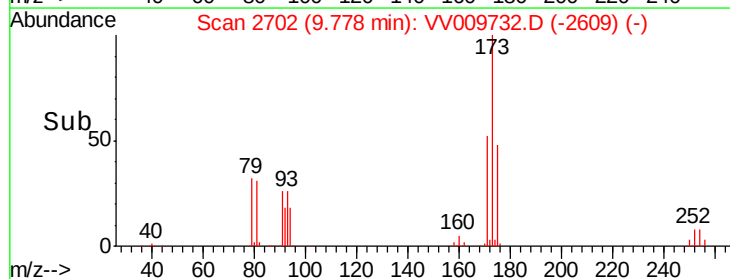
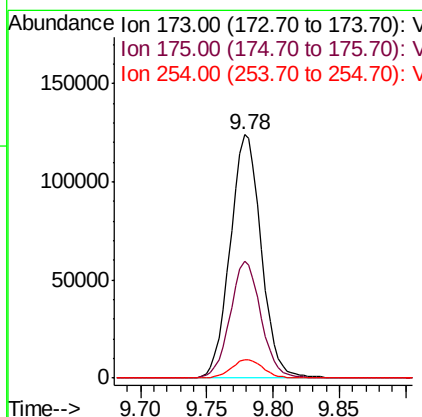
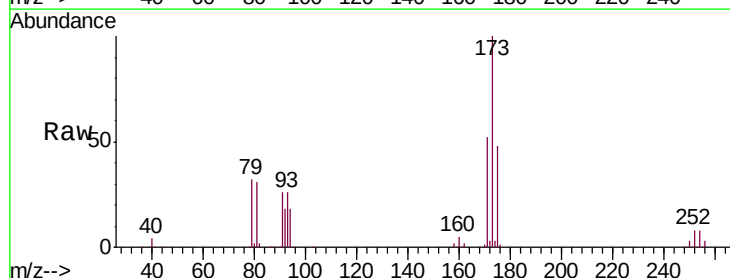
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

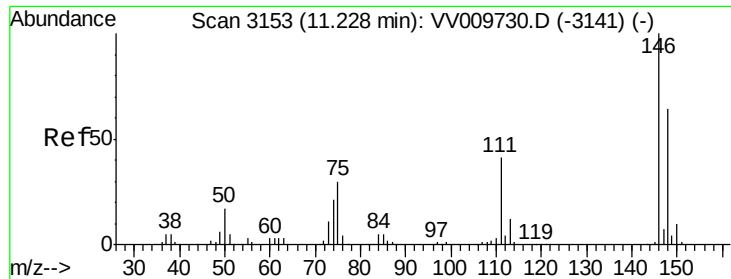
Tgt Ion: 75 Resp: 284494
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4



#61
 Bromoform
 Concen: 217.348 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion: 173 Resp: 202073
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.6 58.0
 254 7.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 196.176 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

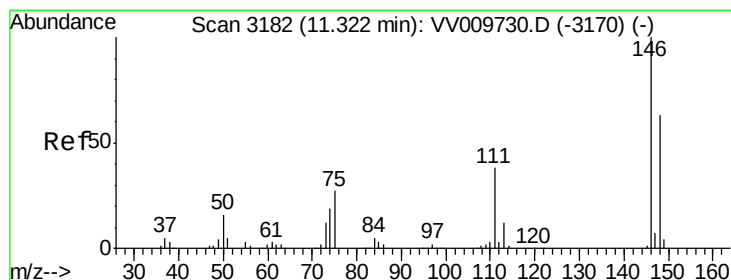
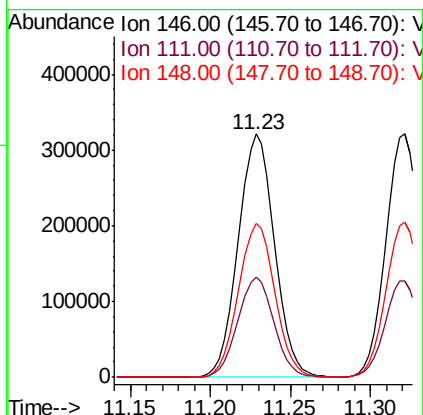
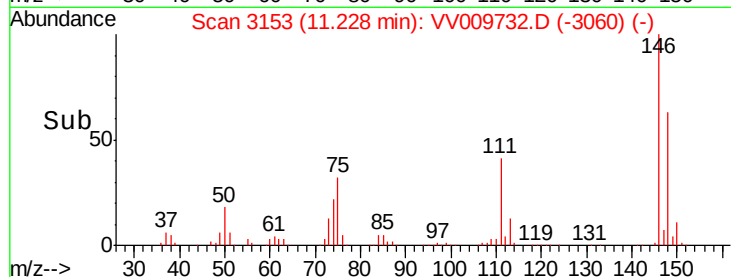
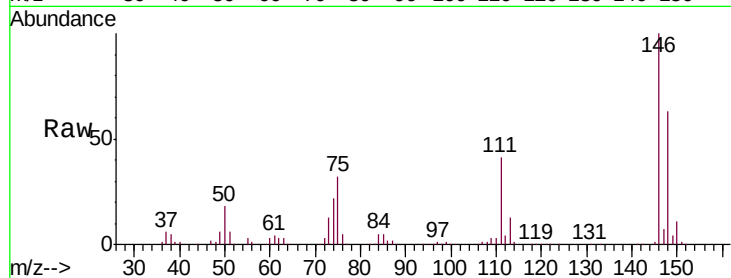
Tgt Ion:146 Resp: 496771

Ion Ratio Lower Upper

146 100

111 41.2 28.8 53.4

148 63.3 44.8 83.2



#63

1,4-Dichlorobenzene

Concen: 200.137 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009732.D

Acq: 16 Mar 2019 16:02

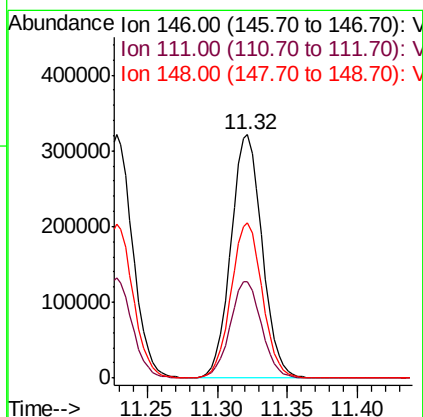
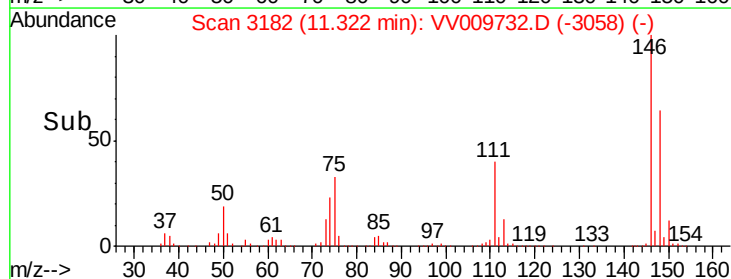
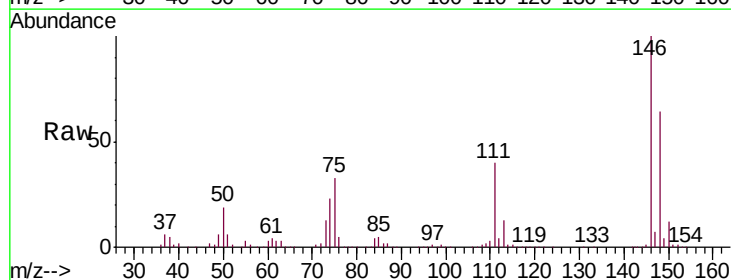
Tgt Ion:146 Resp: 499921

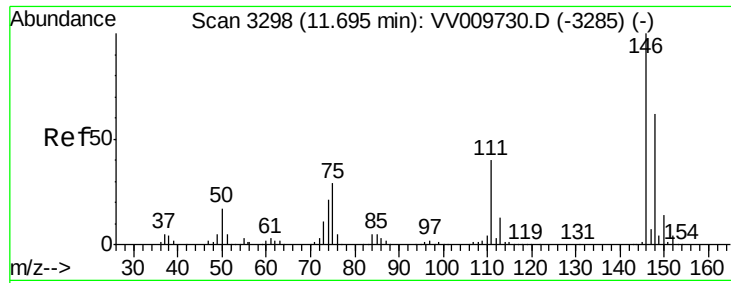
Ion Ratio Lower Upper

146 100

111 39.7 26.7 49.5

148 63.9 44.3 82.3

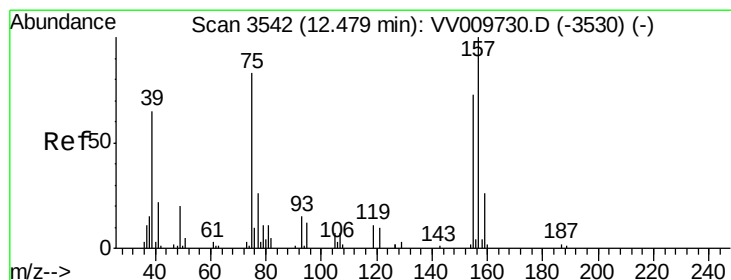
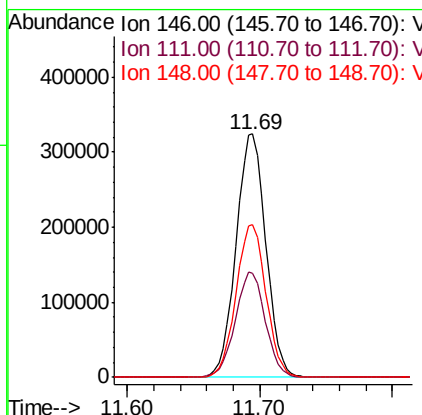
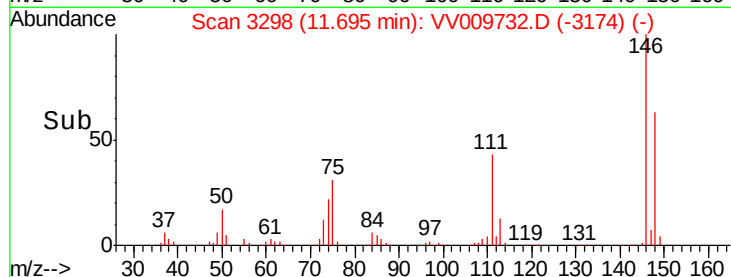
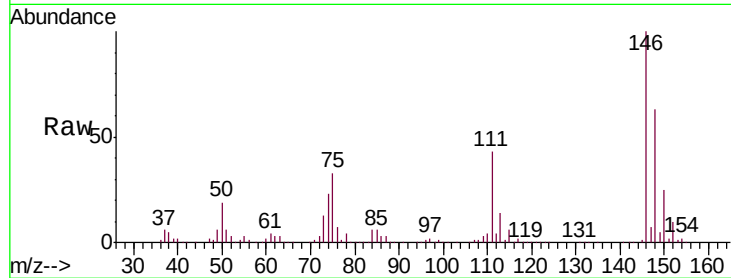




#65
 1,2-Dichlorobenzene
 Concen: 194.984 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

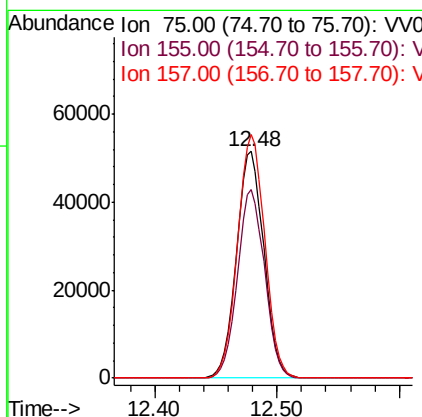
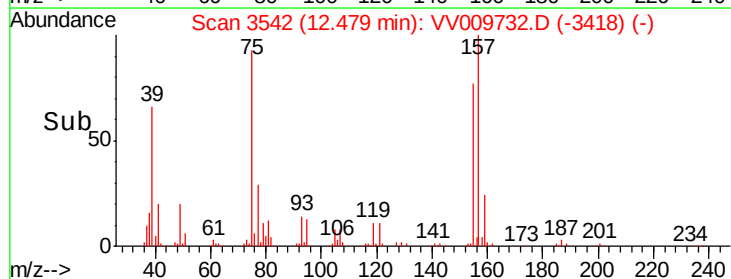
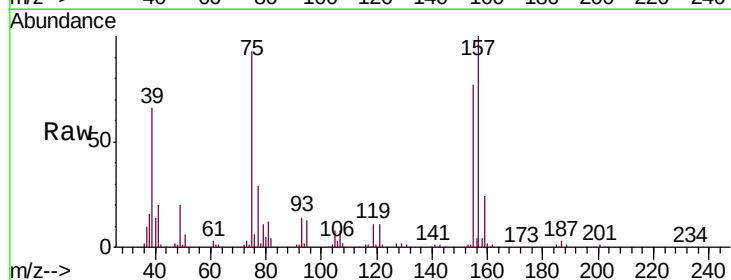
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

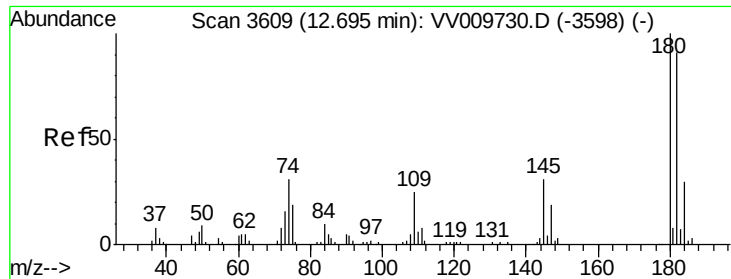
Tgt Ion:146 Resp: 504771
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.2 48.4
 148 62.7 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 207.150 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion: 75 Resp: 80017
 Ion Ratio Lower Upper
 75 100
 155 83.0 70.3 105.5
 157 107.5 96.8 145.2

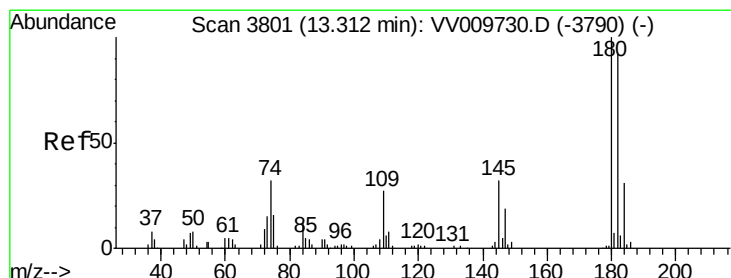
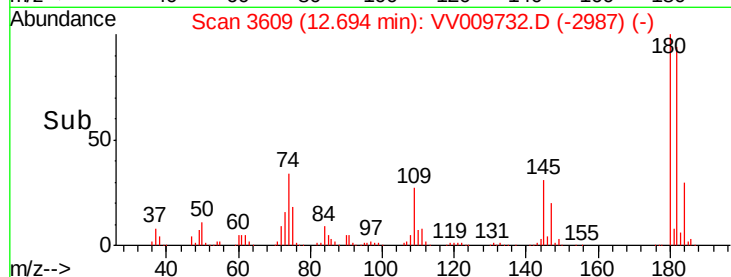
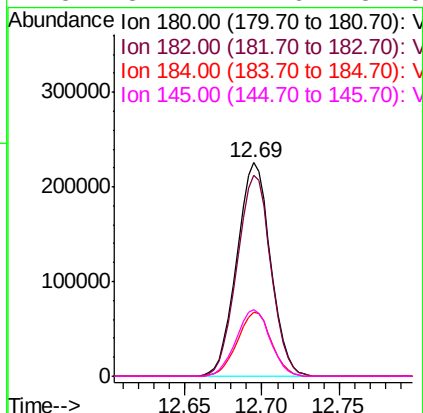
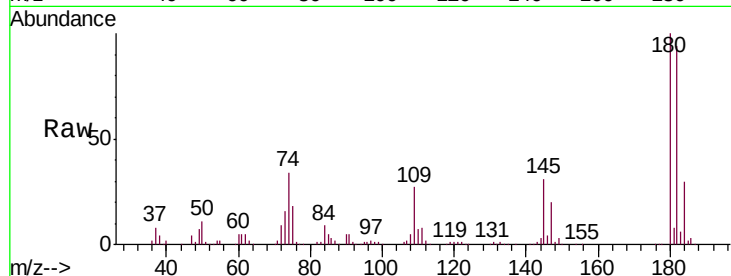




#67
 1,3,5-Trichlorobenzene
 Concen: 207.944 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

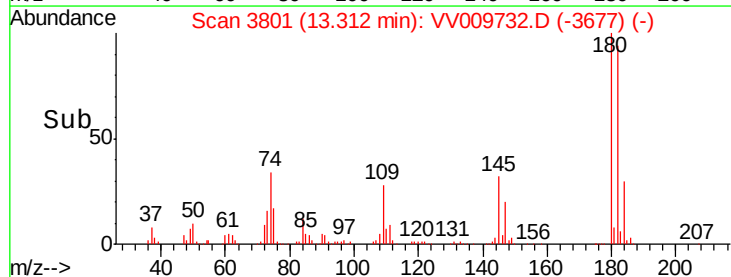
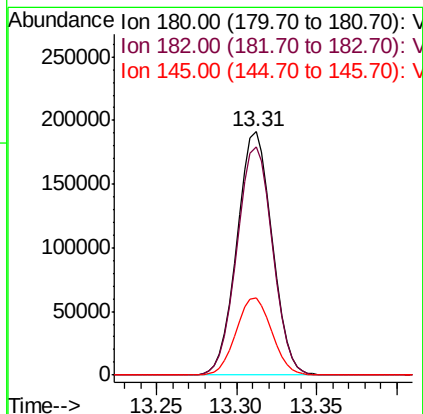
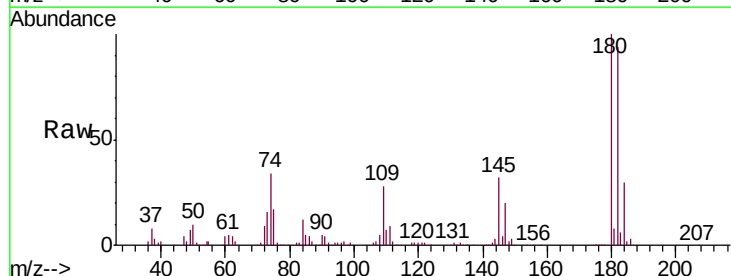
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

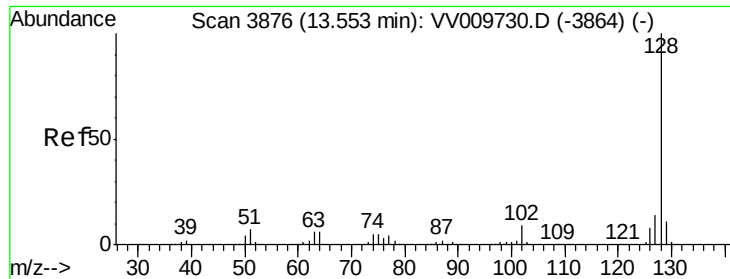
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	73.9	110.9
184	30.1	23.4	35.2
145	31.4	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 247.508 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009732.D
 Acq: 16 Mar 2019 16:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.7	113.5
145	32.3	25.3	37.9

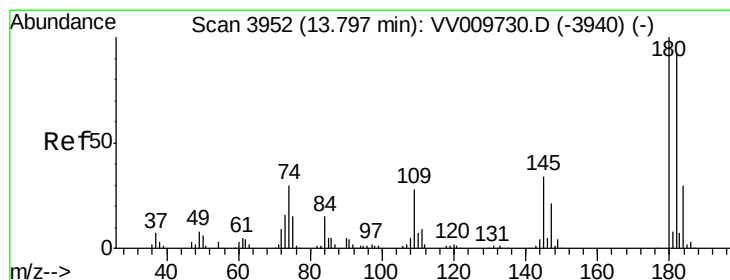
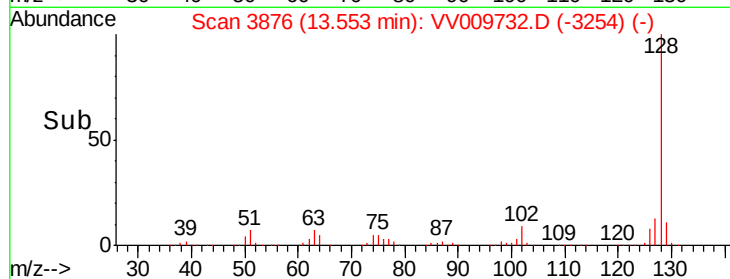
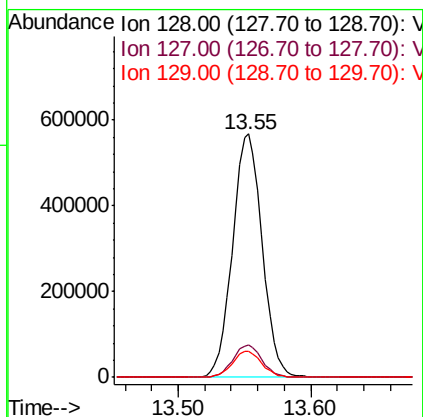
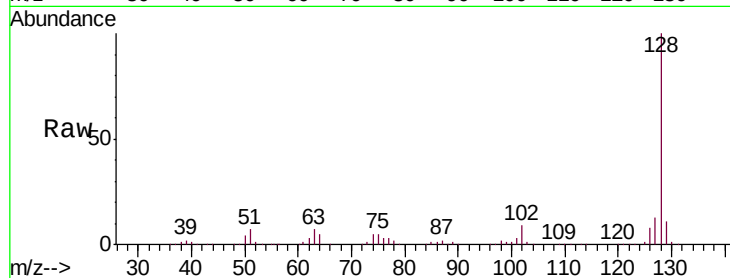




#69
Naphthalene
Concen: 274.064 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tgt Ion:128 Resp: 878921
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.8 8.6 12.8



#70
1,2,3-Trichlorobenzene
Concen: 240.381 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VV009732.D
Acq: 16 Mar 2019 16:02

Tgt Ion:180 Resp: 287495
Ion Ratio Lower Upper
180 100
182 94.6 73.3 109.9
145 34.3 26.4 39.6

