

Data File : VR026366.D
Acq On : 22 Feb 2019 16:48
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Feb 23 04:16:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 23 04:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	634227	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	530412	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216604	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	996737	19.21	ug/L	0.00
7) Chloroethane-d5	2.61	69	819950	18.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	2507397	19.54	ug/L	0.00
20) 2-Butanone-d5	6.58	46	1007649	259.16	ug/L	0.00
24) Chloroform-d	7.20	84	1873083	20.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	747378	21.63	ug/L	0.00
32) Benzene-d6	7.85	84	3779807	22.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	935705	21.55	ug/L	0.00
41) Toluene-d8	9.97	98	3586855	22.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	282820	24.09	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	819409	277.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	332171	19.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	693617	20.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1057318	22.036 ug/L	99
3) Chloromethane	2.01	50	1225916	19.427 ug/L	100
5) Vinyl chloride	2.16	62	1206787	19.982 ug/L	95
6) Bromomethane	2.51	94	703587	17.856 ug/L	98
8) Chloroethane	2.65	64	713724	19.052 ug/L	98
9) Trichlorofluoromethane	2.93	101	1719487	18.362 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	936348	18.842 ug/L	98
12) 1,1-Dichloroethene	3.62	96	1037371	19.066 ug/L	88
13) Acetone	3.69	43	736335	186.367 ug/L	100
14) Carbon disulfide	3.92	76	3456639	20.279 ug/L	97
15) Methyl Acetate	4.19	43	194260	17.488 ug/L	100
16) Methylene chloride	4.40	84	825955	16.480 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	1136546	21.563 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1060585	20.992 ug/L	92
19) 1,1-Dichloroethane	5.69	63	1889145	21.334 ug/L	96
21) 2-Butanone	6.68	43	1133475	238.007 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	970116	22.610 ug/L	# 94
23) Bromochloromethane	7.04	128	251312	19.323 ug/L	98
25) Chloroform	7.23	83	1802485	20.733 ug/L	94
27) 1,2-Dichloroethane	7.99	62	822145	20.995 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	1605783	20.595 ug/L	99
30) Cyclohexane	7.51	56	1826452	28.767 ug/L	99
31) Carbon tetrachloride	7.63	117	1459355	20.368 ug/L	98
33) Benzene	7.90	78	4291752	22.254 ug/L	100
34) Trichloroethene	8.71	95	1121017	22.899 ug/L	96
35) Methylcyclohexane	8.96	83	1731663	26.502 ug/L	99
37) 1,2-Dichloropropane	8.99	63	887519	21.129 ug/L	# 97
38) Bromodichloromethane	9.28	83	1007397	21.391 ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	1140395	25.772 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	2810690	256.670 ug/L	98

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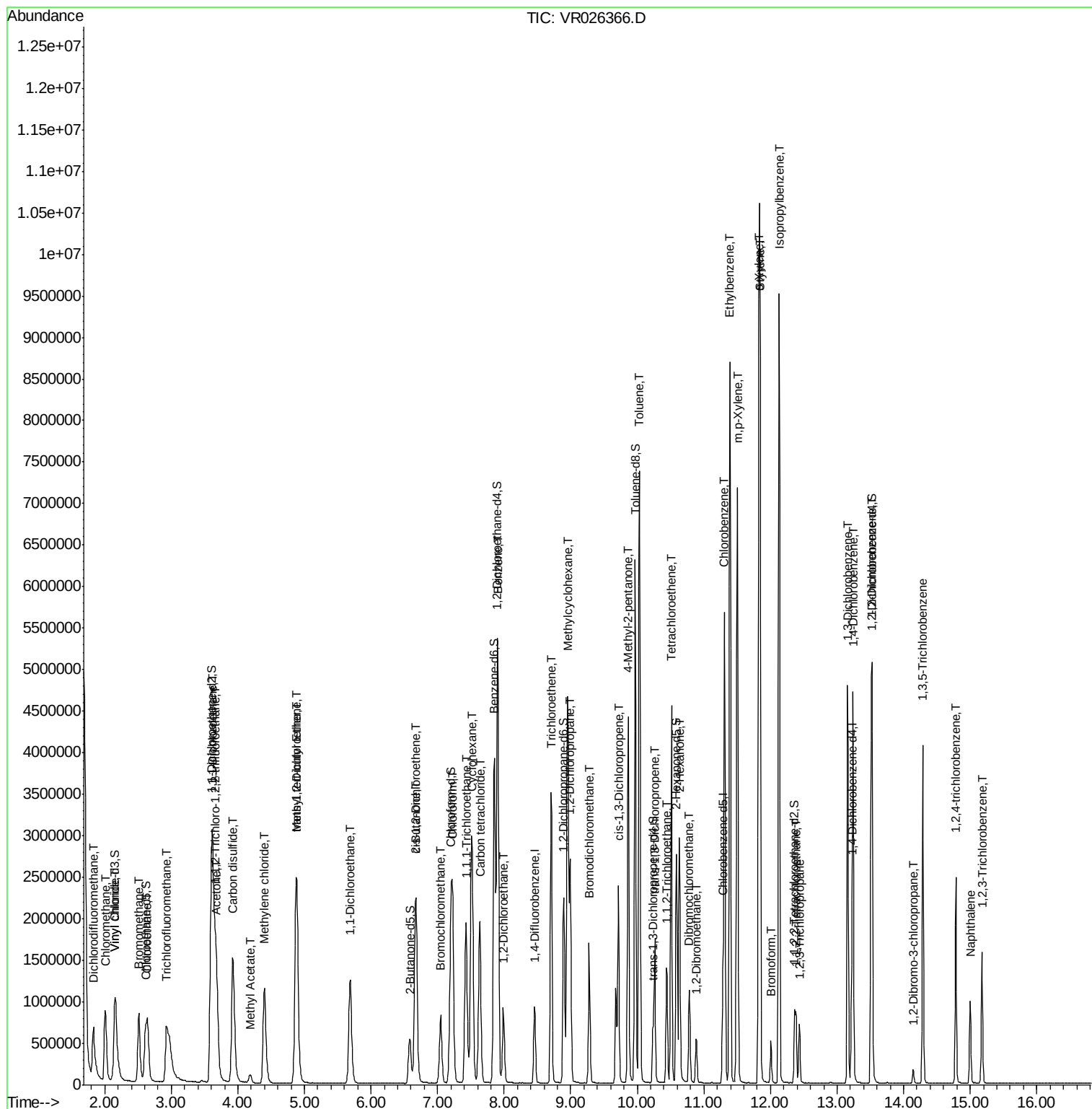
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	4468879	22.908	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	814766	24.905	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	348619	19.681	ug/L	93
47) Tetrachloroethene	10.51	164	815125	22.656	ug/L	96
48) 2-Hexanone	10.63	43	1826266	242.780	ug/L	98
49) Dibromochloromethane	10.78	129	479687	20.925	ug/L	94
50) 1,2-Dibromoethane	10.88	107	300929	20.995	ug/L	98
51) Chlorobenzene	11.31	112	2351814	20.815	ug/L	99
52) Ethylbenzene	11.39	91	5103914	23.442	ug/L	95
53) m,p-Xylene	11.50	106	1944525	24.480	ug/L	93
54) o-Xylene	11.83	106	1826028	26.493	ug/L	92
55) Styrene	11.84	104	2785250	25.616	ug/L	100
56) Isopropylbenzene	12.13	105	4958603	25.440	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	322974	19.385	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	244025	20.287	ug/L	99
61) Bromoform	12.01	173	191771	19.433	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	1469427	22.610	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	1440081	19.130	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1137514	20.450	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	37741	17.697	ug/L	93
67) 1,3,5-Trichlorobenzene	14.29	180	941674	22.471	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	568682	24.816	ug/L	99
69) Naphthalene	15.00	128	627024	29.000	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	388965	22.380	ug/L	99

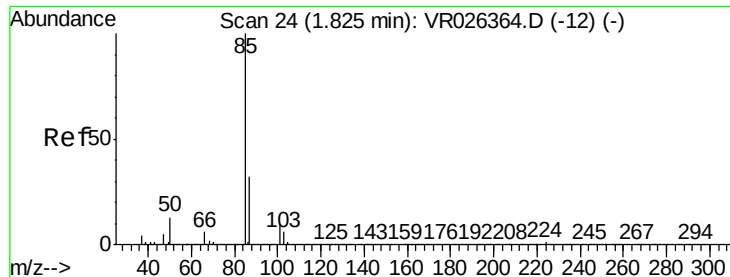
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.036 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

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Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

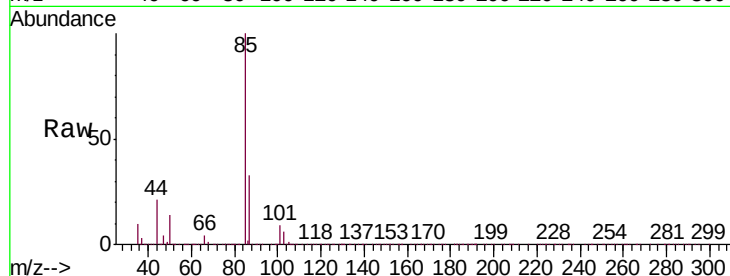
VSTD02085

Tgt Ion: 85 Resp: 1057318

Ion Ratio Lower Upper

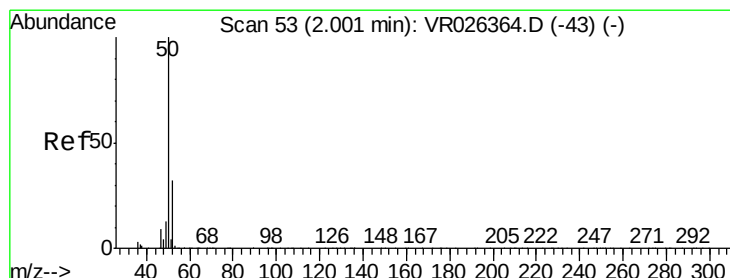
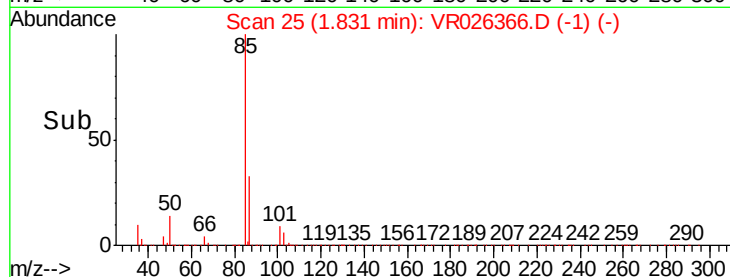
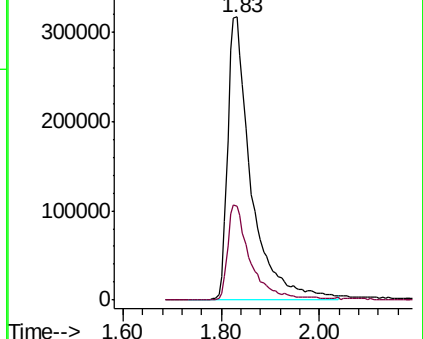
85 100

87 32.8 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 19.427 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.01 min

Lab File: VR026366.D

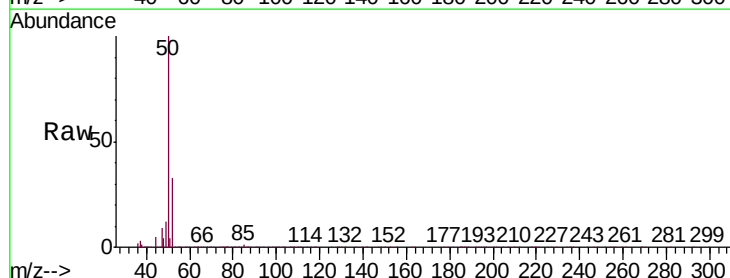
Acq: 22 Feb 2019 16:48

Tgt Ion: 50 Resp: 1225916

Ion Ratio Lower Upper

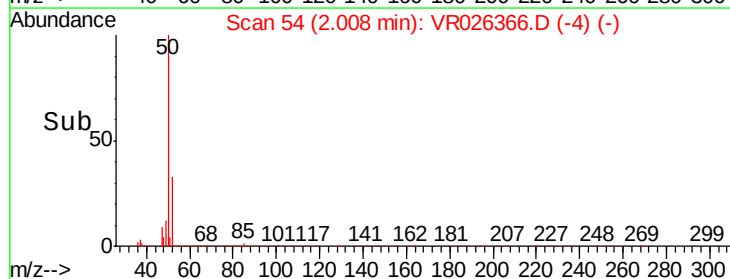
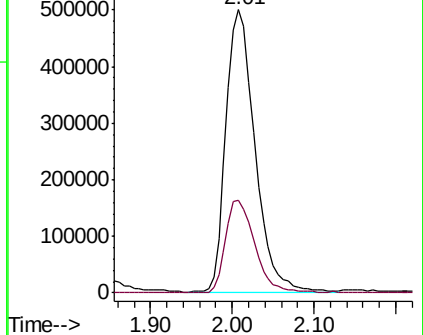
50 100

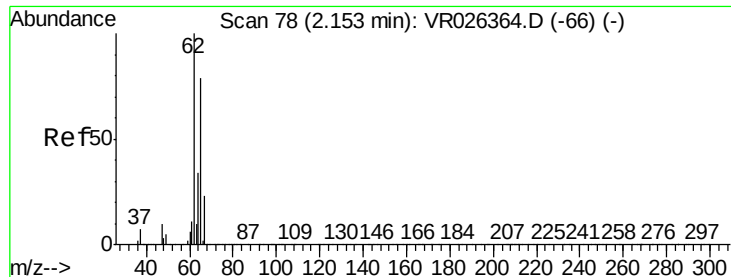
52 32.7 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 19.982 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.01 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

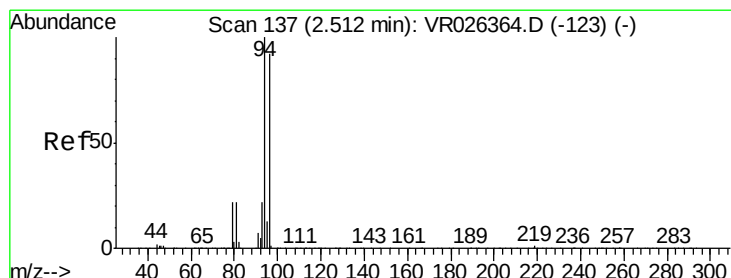
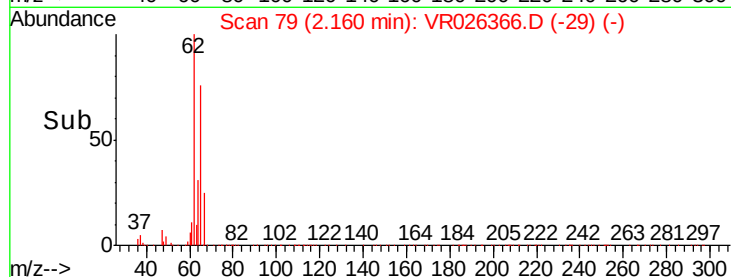
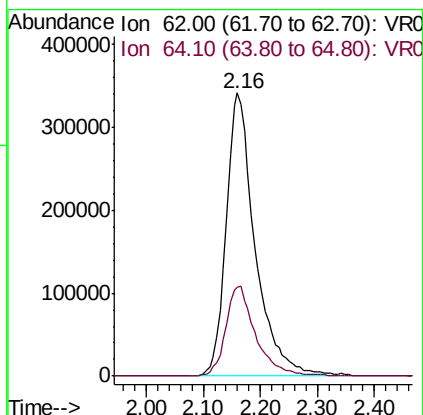
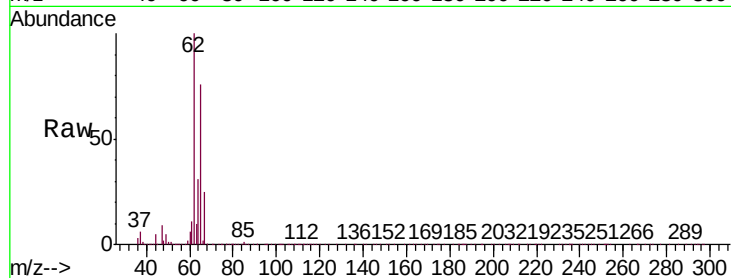
VSTD02085

Tgt Ion: 62 Resp: 1206787

Ion Ratio Lower Upper

62 100

64 31.3 24.1 44.7



#6

Bromomethane

Concen: 17.856 ug/L

RT: 2.51 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR026366.D

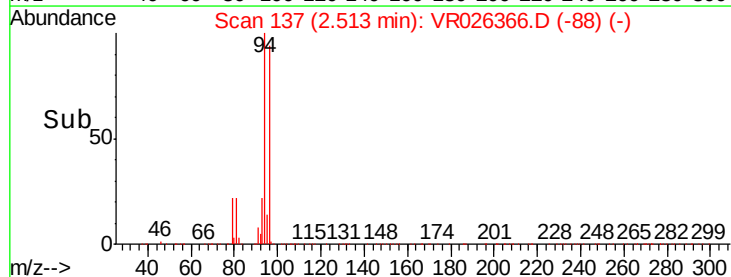
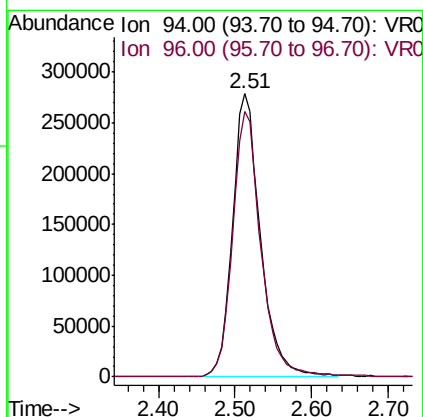
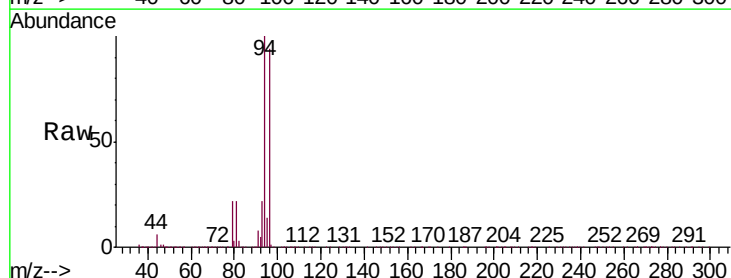
Acq: 22 Feb 2019 16:48

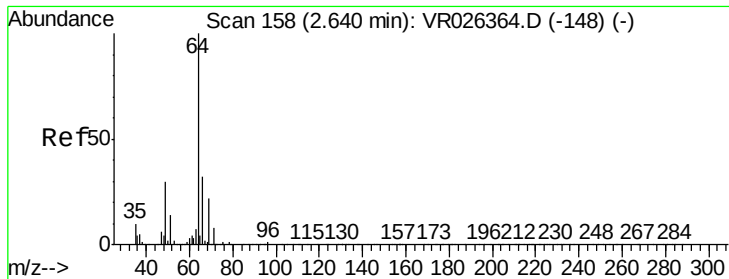
Tgt Ion: 94 Resp: 703587

Ion Ratio Lower Upper

94 100

96 93.9 64.3 119.3





#8

Chloroethane

Concen: 19.052 ug/L

RT: 2.65 min Scan# 159

Delta R.T. 0.01 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

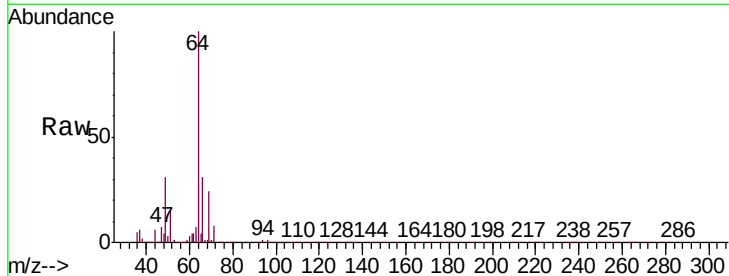
VSTD02085

Tgt Ion: 64 Resp: 713724

Ion Ratio Lower Upper

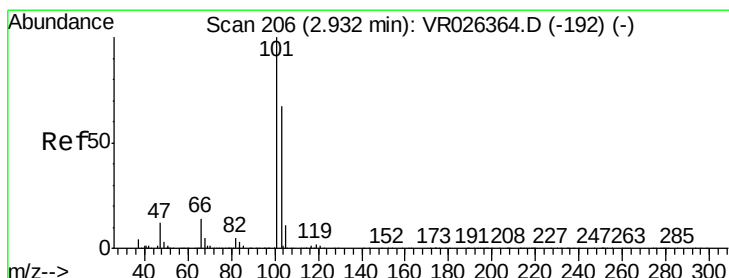
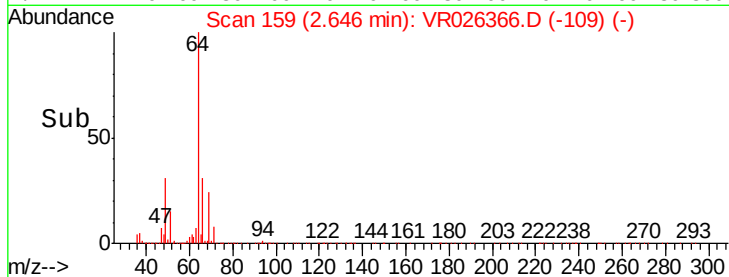
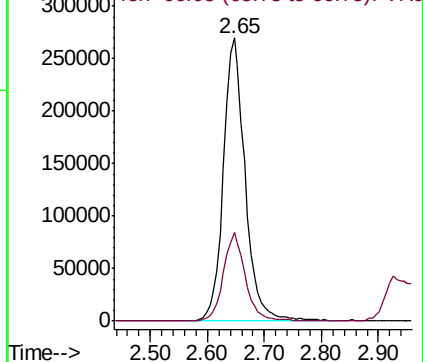
64 100

66 31.3 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 18.362 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026366.D

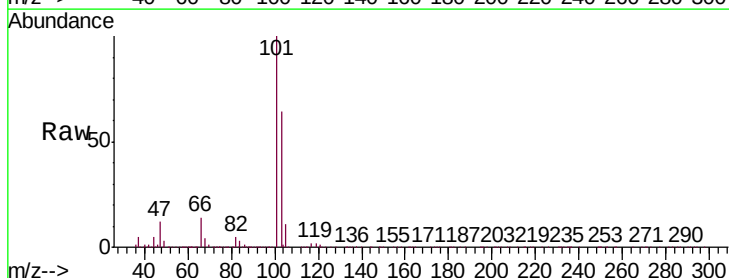
Acq: 22 Feb 2019 16:48

Tgt Ion: 101 Resp: 1719487

Ion Ratio Lower Upper

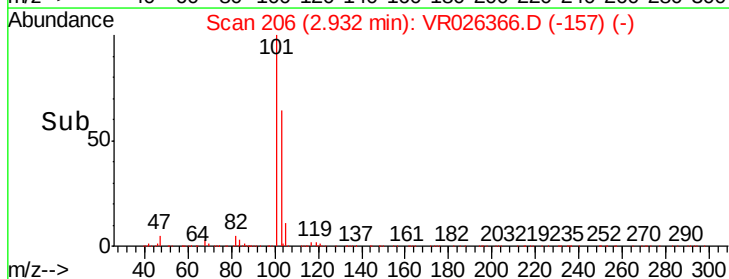
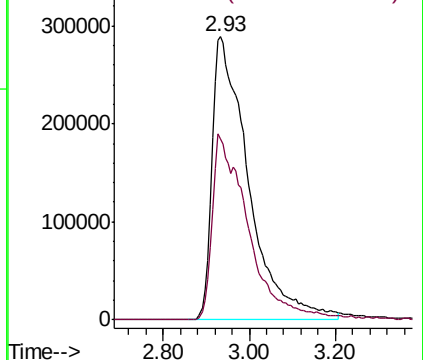
101 100

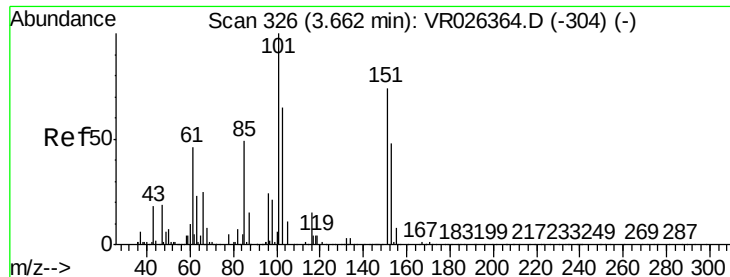
103 64.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 18.842 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.00 min

Lab File: VR026366.D

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Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

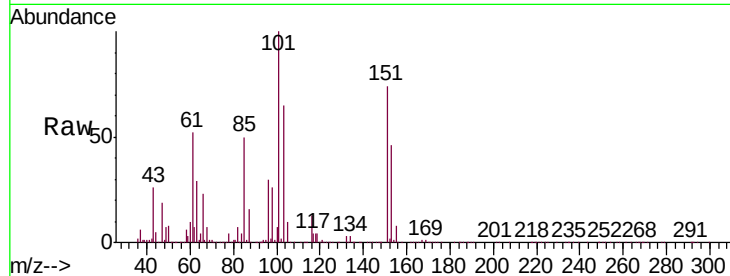
Tgt Ion: 101 Resp: 936348

Ion Ratio Lower Upper

101 100

85 47.9 39.8 59.8

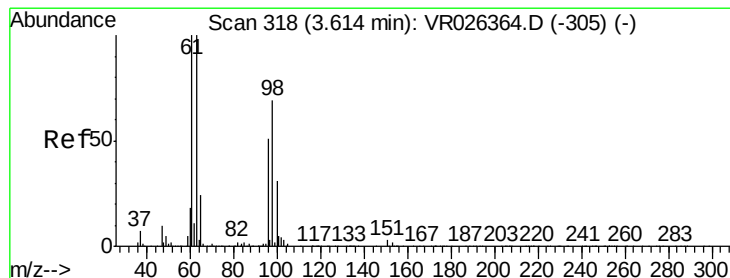
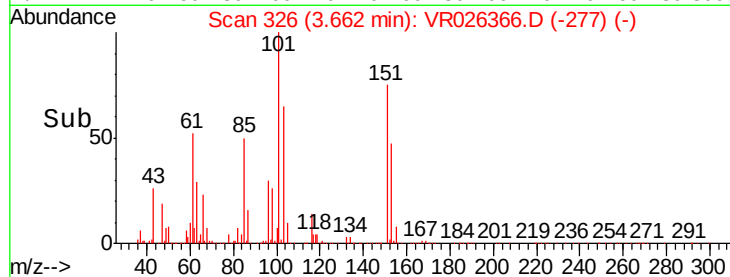
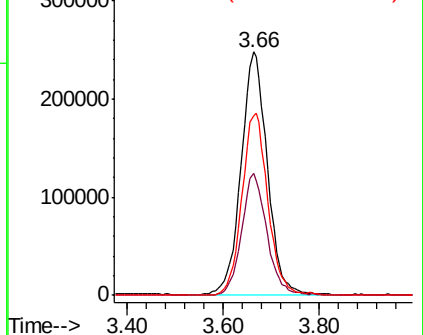
151 74.4 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.066 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.01 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

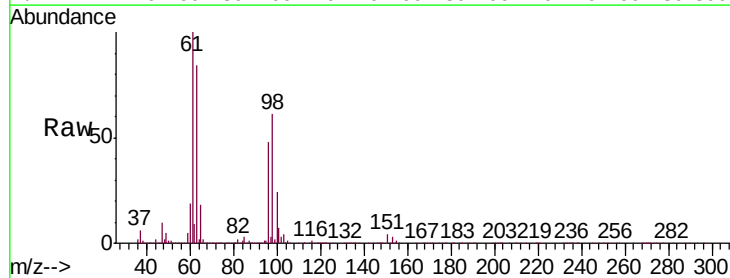
Tgt Ion: 96 Resp: 1037371

Ion Ratio Lower Upper

96 100

61 206.9 135.9 252.5

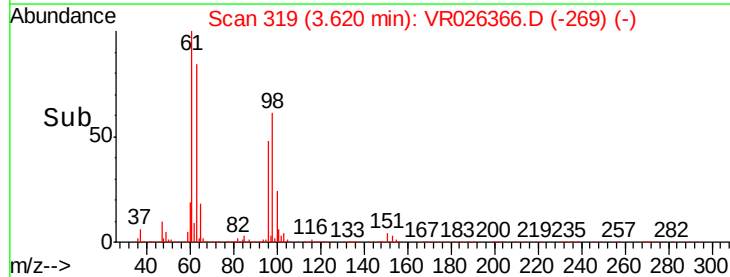
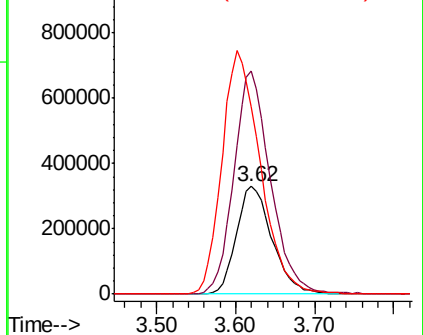
63 173.5 136.6 253.6

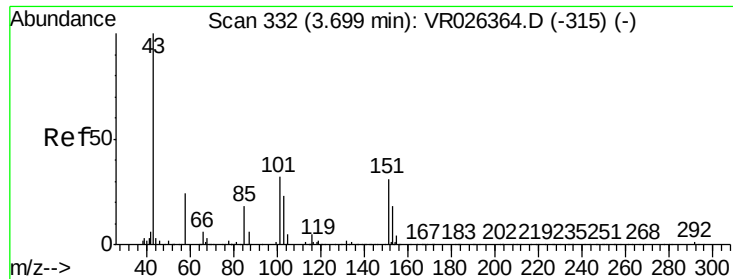


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 186.367 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

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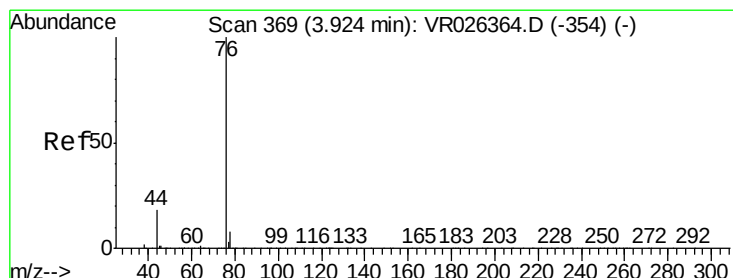
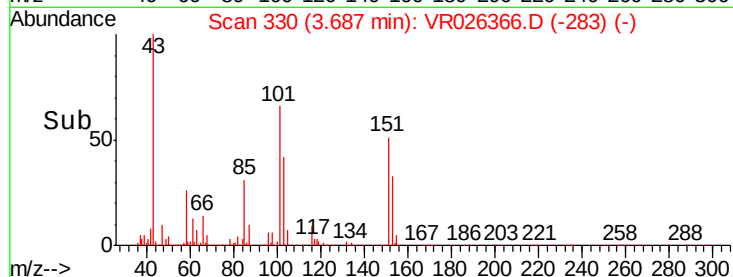
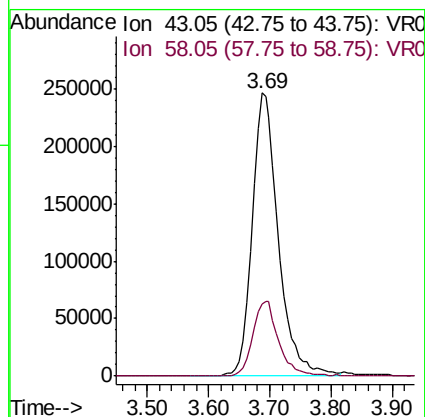
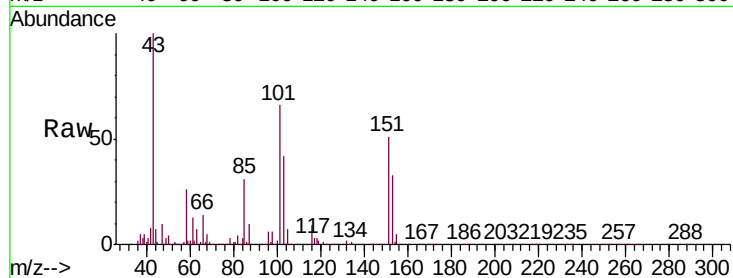
VSTD02085

Tgt Ion: 43 Resp: 736335

Ion Ratio Lower Upper

43 100

58 26.3 0.0 52.2



#14

Carbon disulfide

Concen: 20.279 ug/L

RT: 3.92 min Scan# 369

Delta R.T. 0.00 min

Lab File: VR026366.D

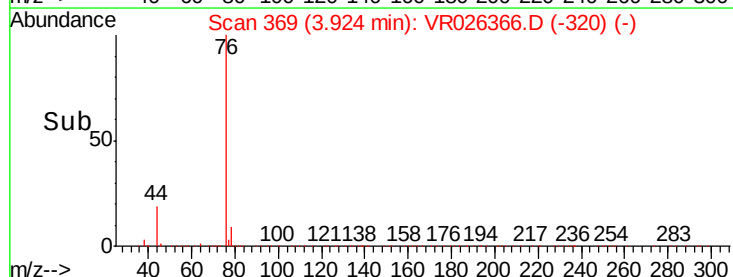
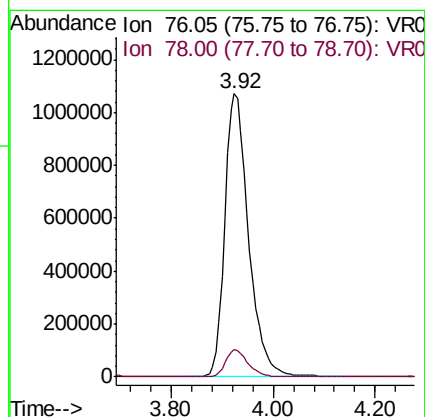
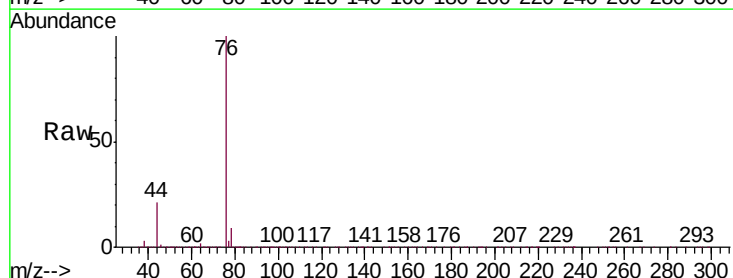
Acq: 22 Feb 2019 16:48

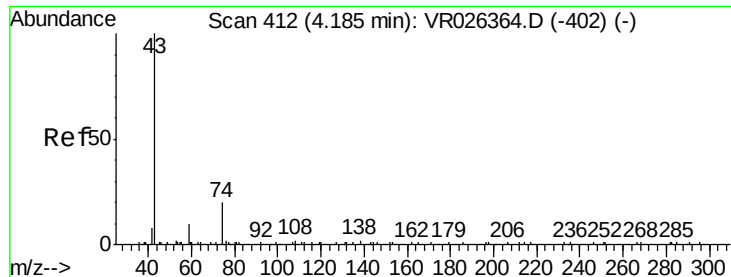
Tgt Ion: 76 Resp: 3456639

Ion Ratio Lower Upper

76 100

78 9.5 6.7 10.1





#15

Methyl Acetate

Concen: 17.488 ug/L

RT: 4.19 min Scan# 412

Delta R.T. 0.00 min

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Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

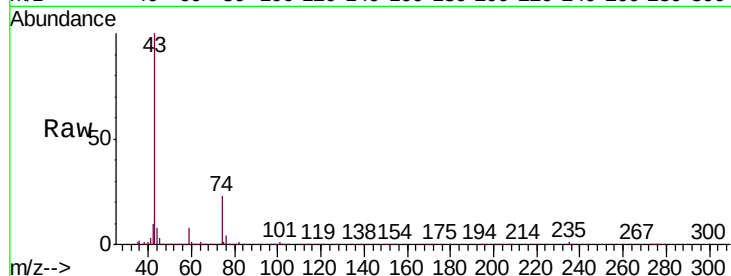
VSTD02085

Tgt Ion: 43 Resp: 194260

Ion Ratio Lower Upper

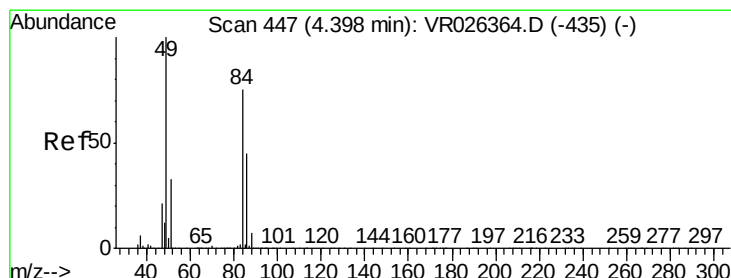
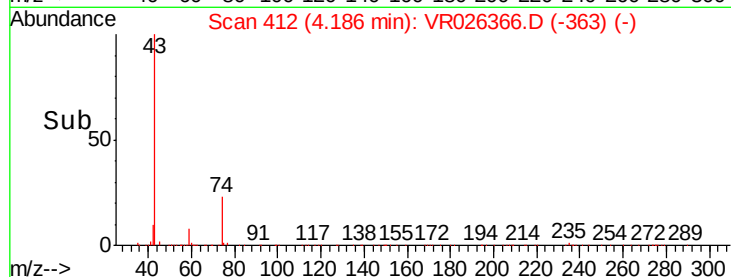
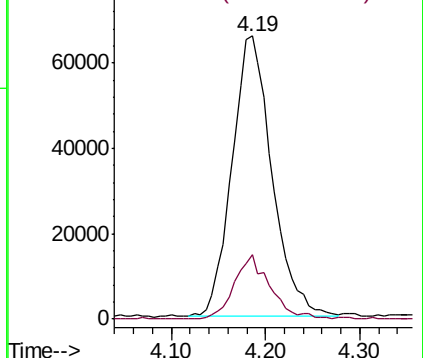
43 100

74 20.7 16.6 25.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 16.480 ug/L

RT: 4.40 min Scan# 447

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

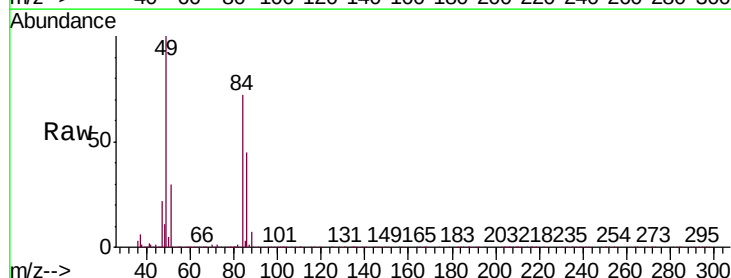
Tgt Ion: 84 Resp: 825955

Ion Ratio Lower Upper

84 100

86 62.4 42.1 78.3

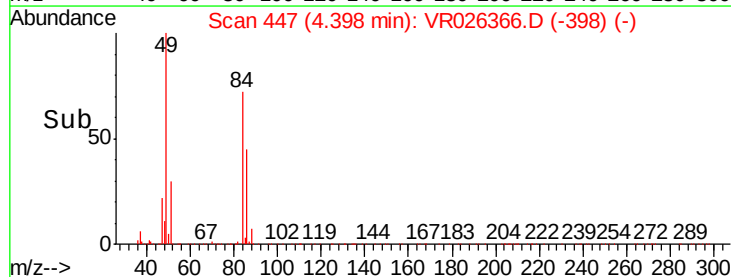
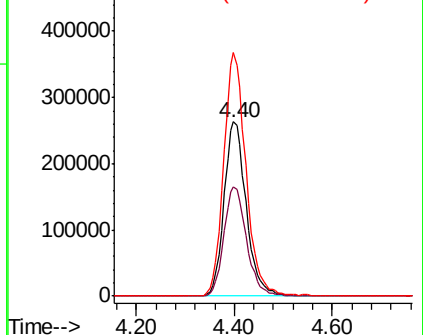
49 139.6 93.8 174.2

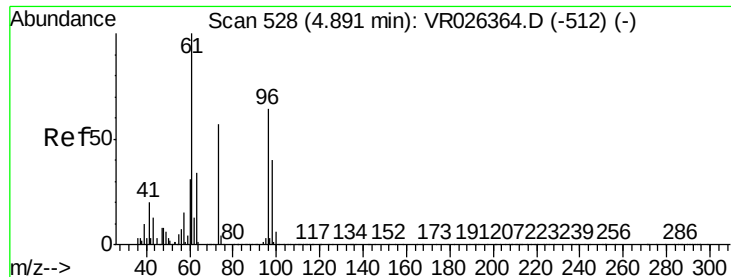


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

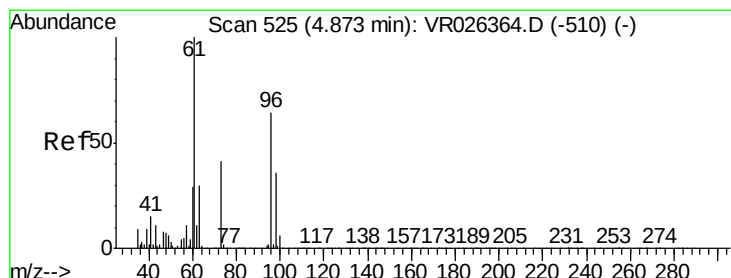
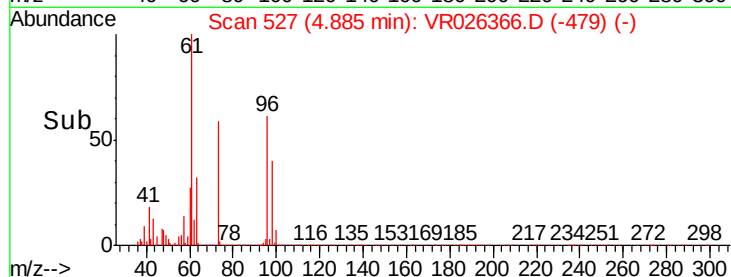
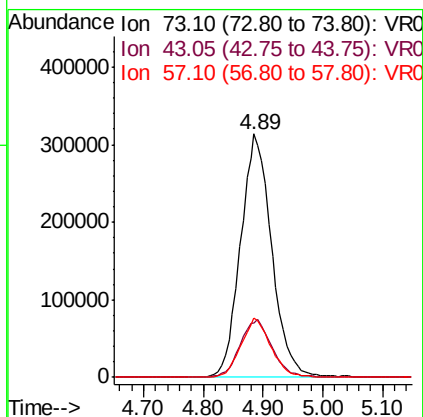
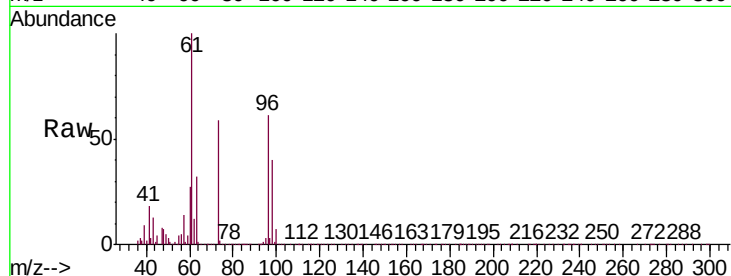




#17
Methyl tert-butyl Ether
Concen: 21.563 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

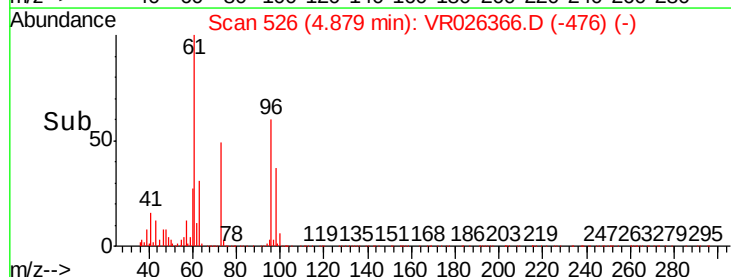
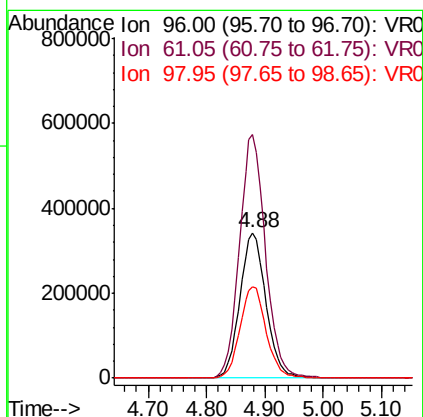
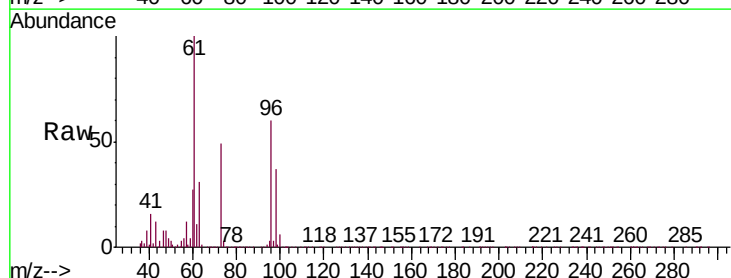
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

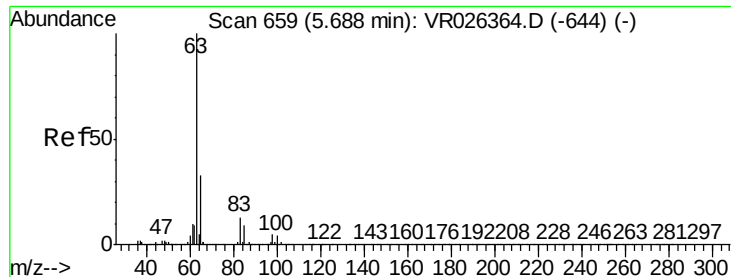
Tgt Ion: 73 Resp: 1136546
Ion Ratio Lower Upper
73 100
43 24.2 19.4 29.2
57 23.5 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 20.992 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.01 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion: 96 Resp: 1060585
Ion Ratio Lower Upper
96 100
61 167.1 109.4 203.2
98 62.3 39.7 73.7

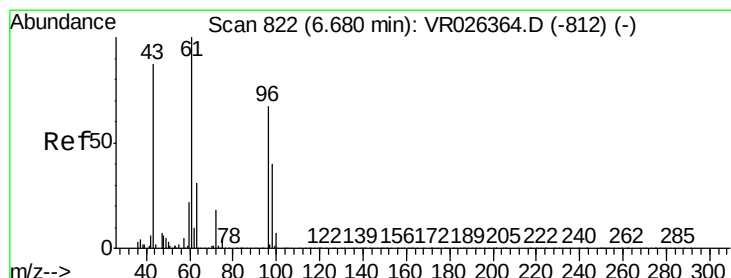
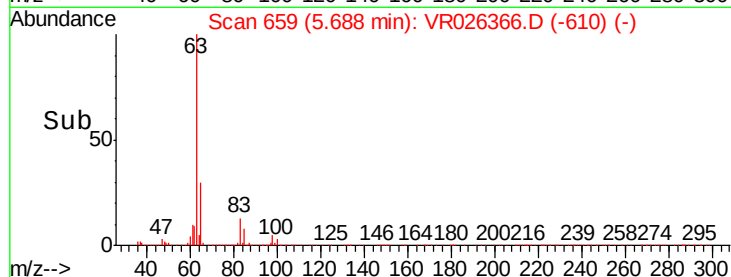
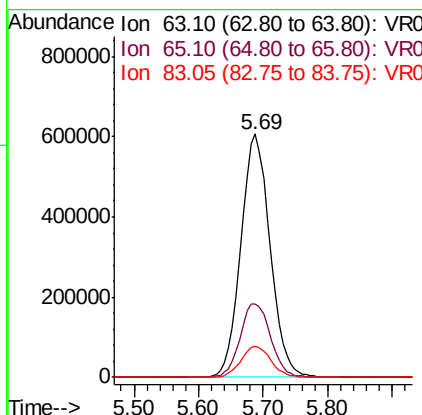
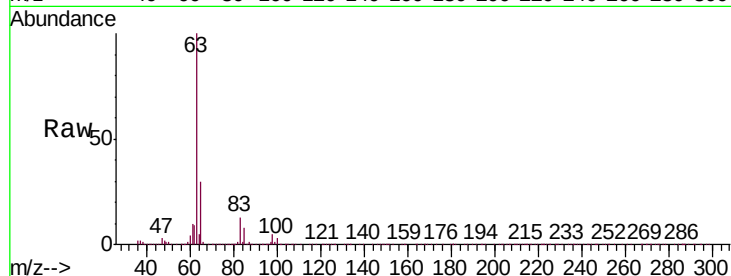




#19
 1,1-Dichloroethane
 Concen: 21.334 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

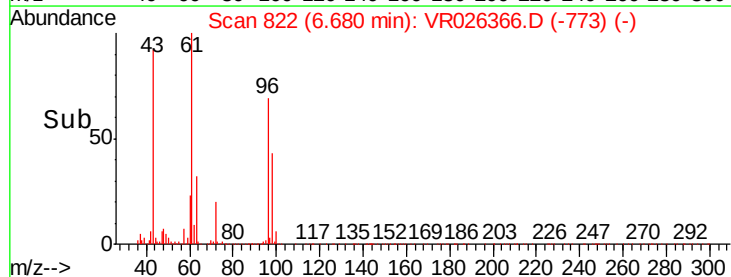
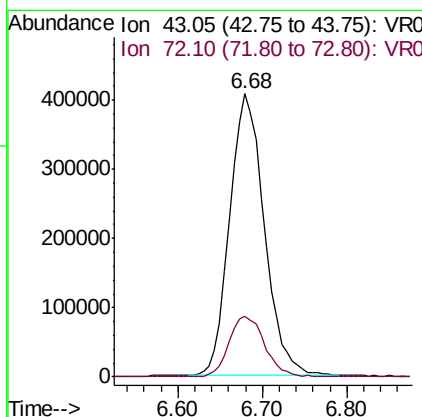
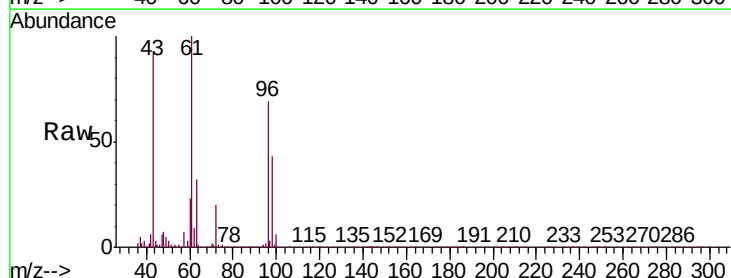
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

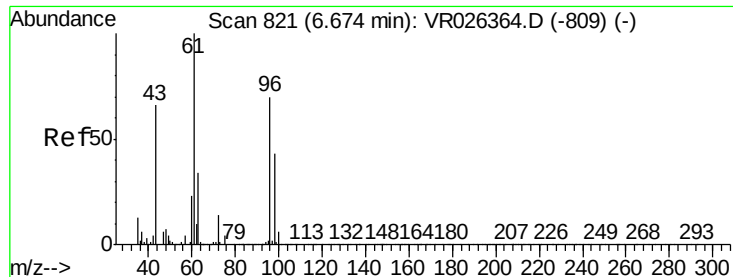
Tgt Ion: 63 Resp: 1889145
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 43.8
 83 12.7 8.8 16.4



#21
 2-Butanone
 Concen: 238.007 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion: 43 Resp: 1133475
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.8 32.4



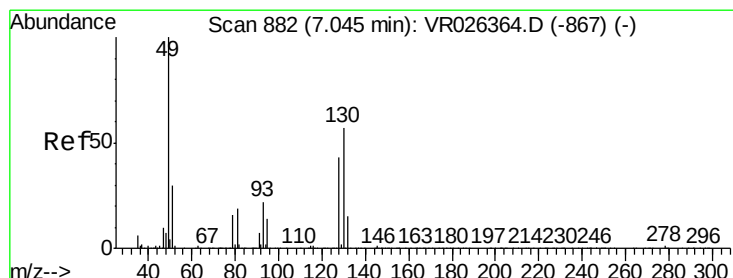
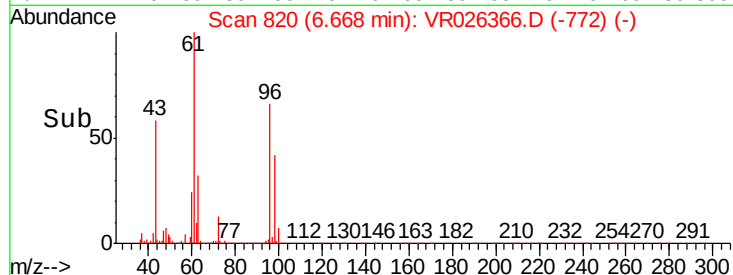
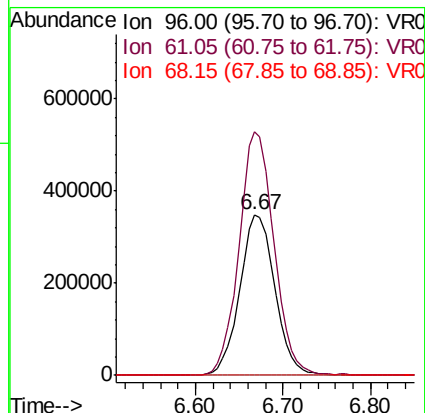
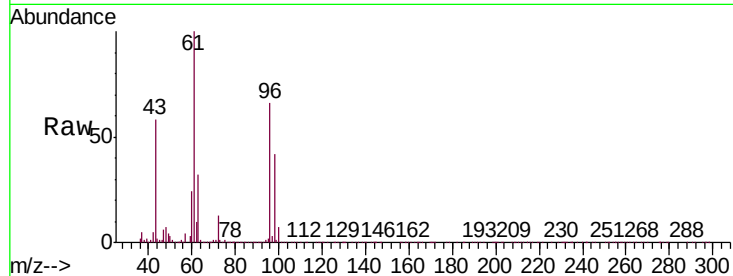


#22

cis-1,2-Dichloroethene
 Concen: 22.610 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

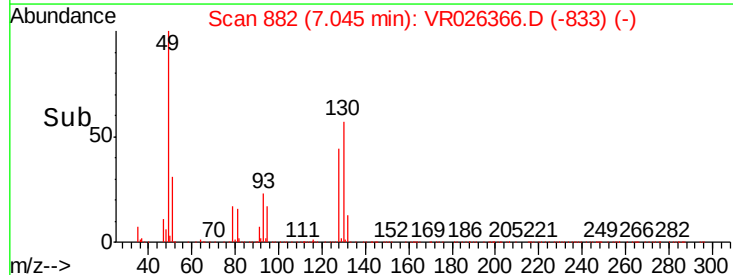
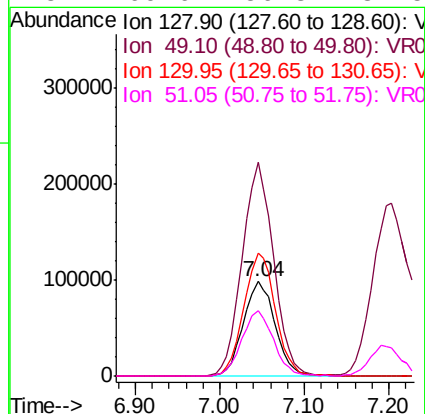
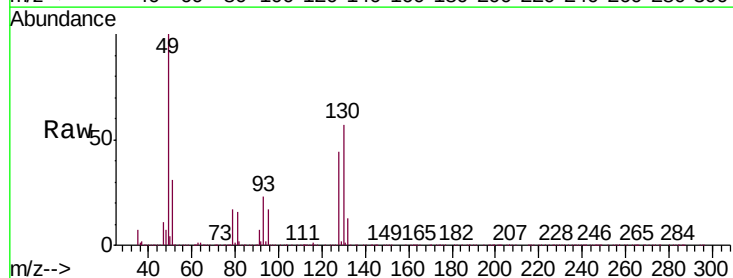
Tgt Ion: 96 Resp: 970116
 Ion Ratio Lower Upper
 96 100
 61 151.6 100.8 187.2
 68 0.1 0.1 0.1#

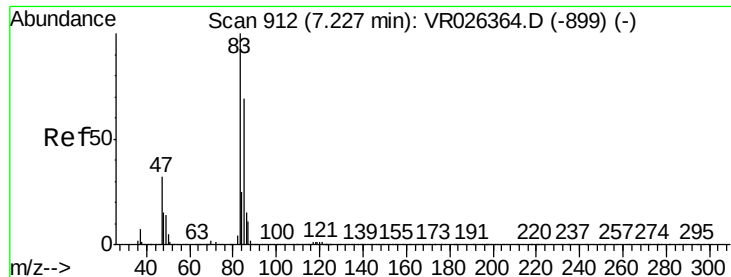


#23

Bromochloromethane
 Concen: 19.323 ug/L
 RT: 7.04 min Scan# 882
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion: 128 Resp: 251312
 Ion Ratio Lower Upper
 128 100
 49 227.0 161.6 300.0
 130 130.3 92.3 171.5
 51 69.6 56.3 84.5

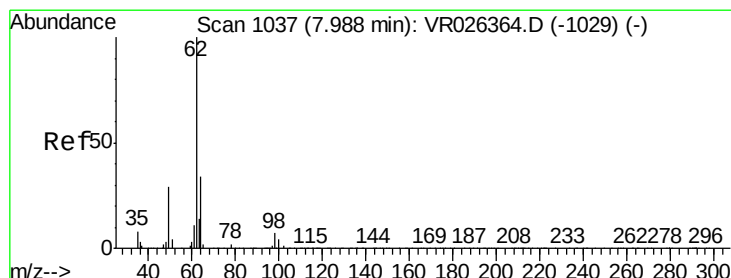
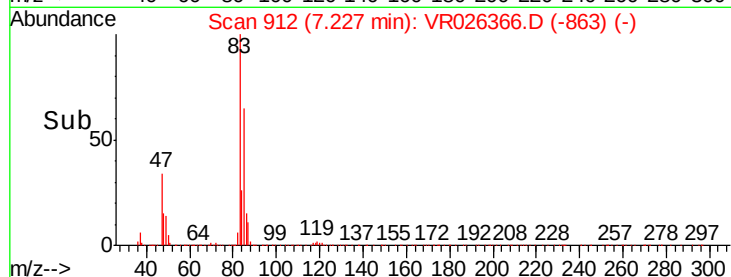
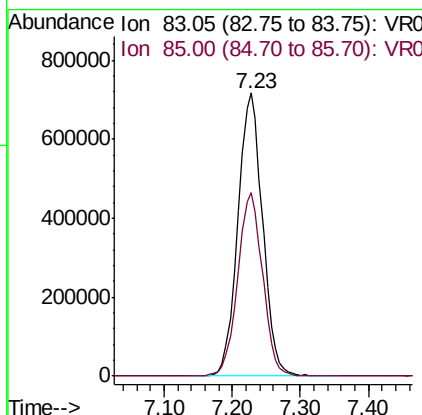
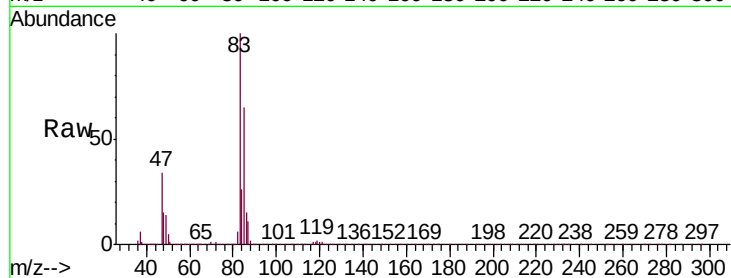




#25
Chloroform
Concen: 20.733 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

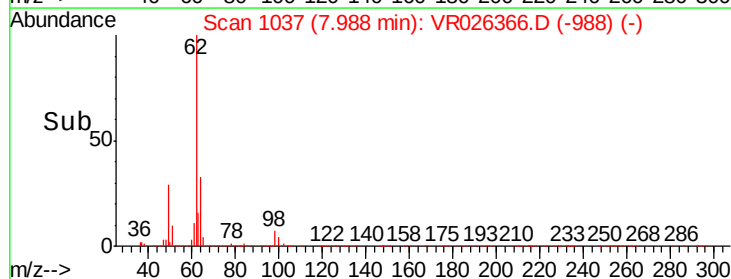
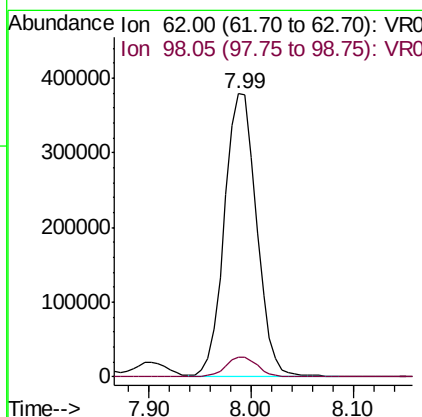
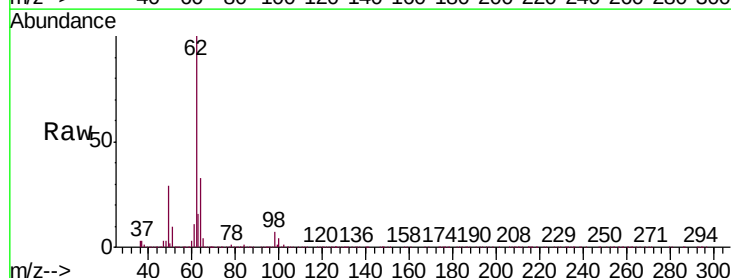
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

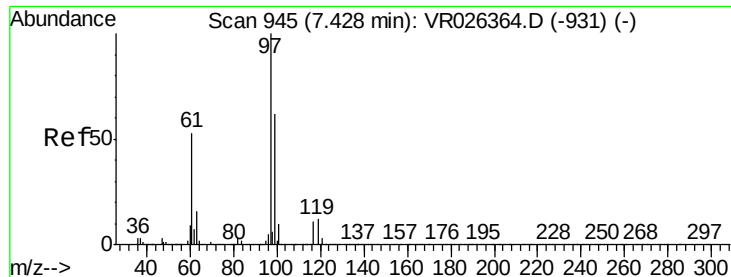
Tgt Ion: 83 Resp: 1802485
Ion Ratio Lower Upper
83 100
85 64.7 48.6 90.2



#27
1,2-Dichloroethane
Concen: 20.995 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion: 62 Resp: 822145
Ion Ratio Lower Upper
62 100
98 6.9 5.7 8.5



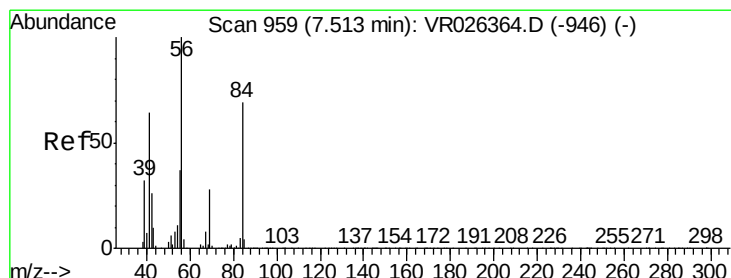
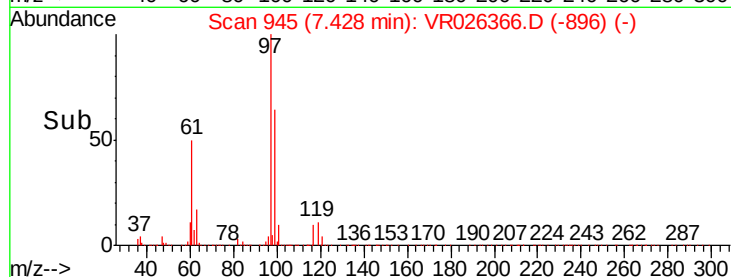
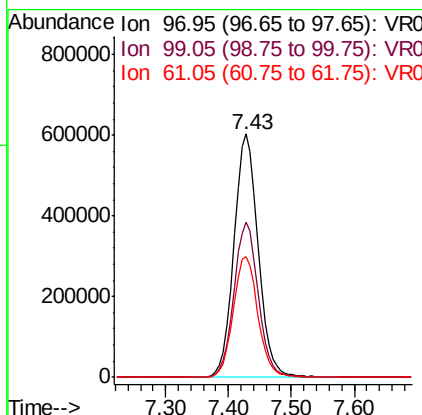
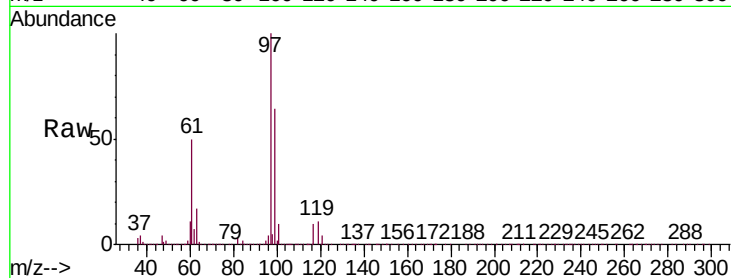


#29
 1,1,1-Trichloroethane
 Concen: 20.595 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 97 Resp: 1605783

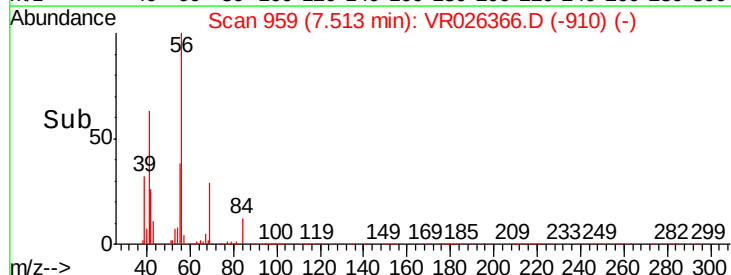
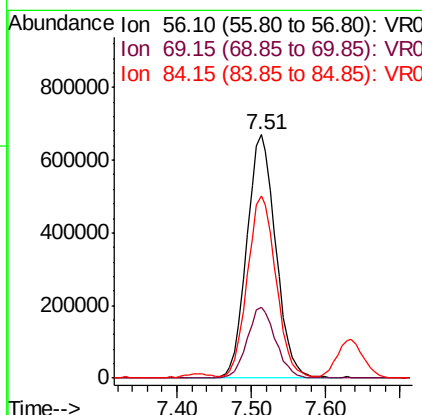
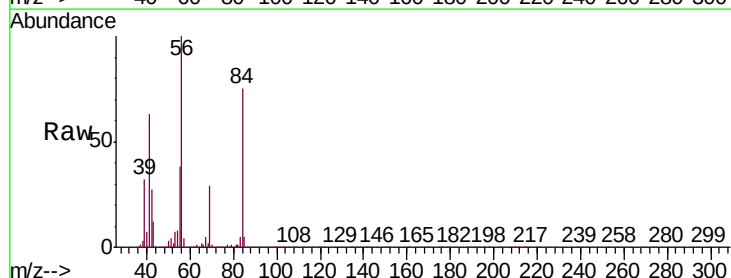
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	50.9	41.8	62.6

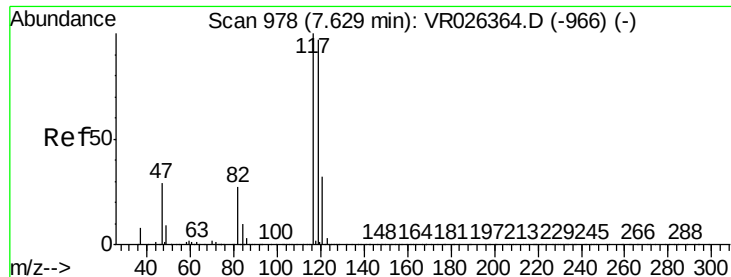


#30
 Cyclohexane
 Concen: 28.767 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion: 56 Resp: 1826452

Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	34.0
84	74.0	58.2	87.2

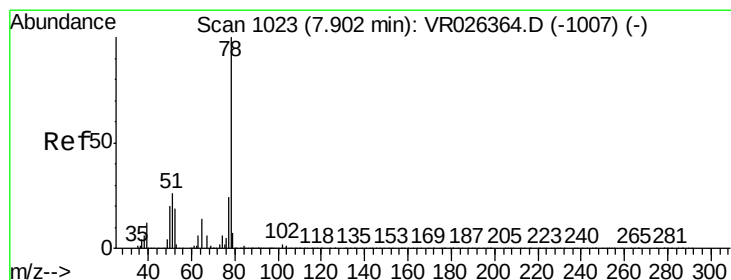
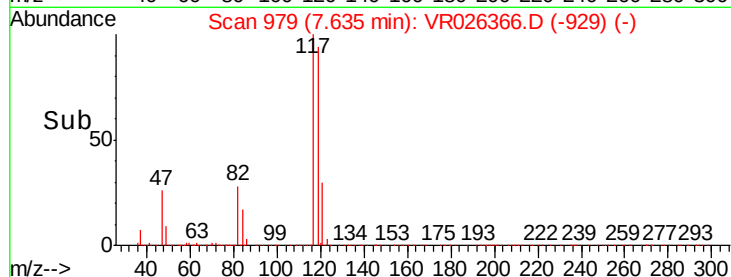
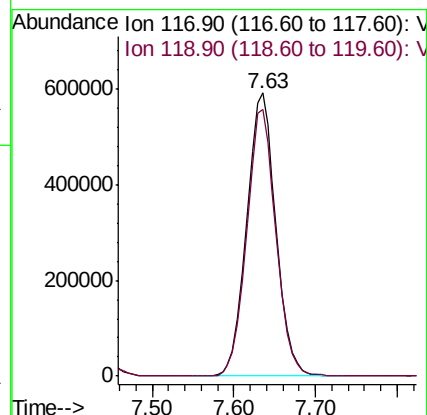
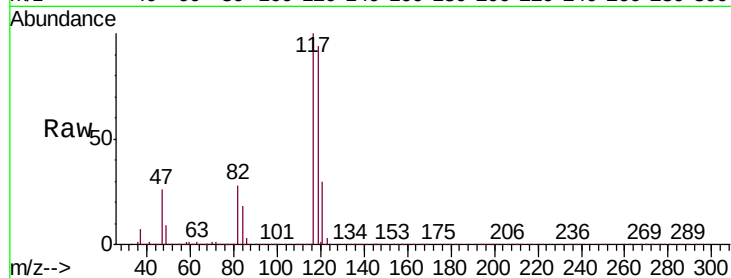




#31
Carbon tetrachloride
Concen: 20.368 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.01 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

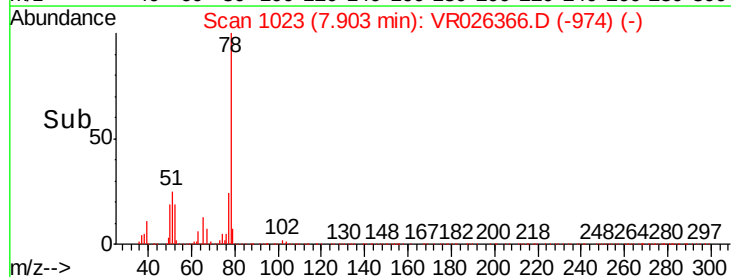
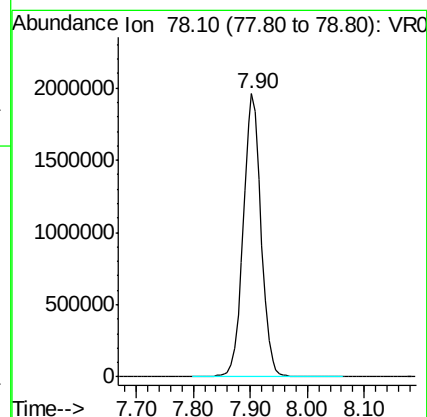
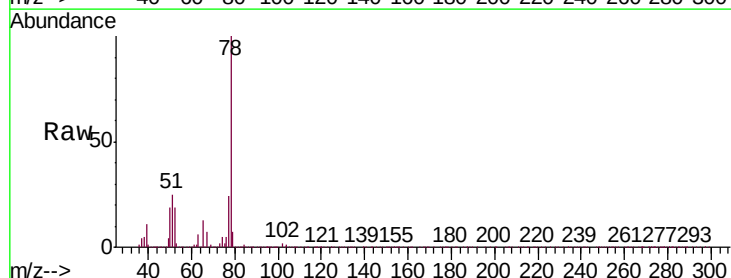
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

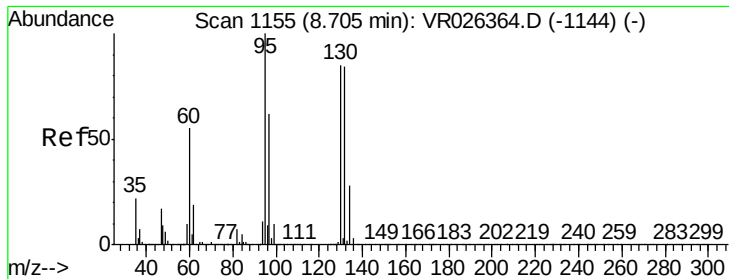
Tgt Ion:117 Resp: 1459355
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6



#33
Benzene
Concen: 22.254 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion: 78 Resp: 4291752





#34

Trichloroethene

Concen: 22.899 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 95 Resp: 1121017

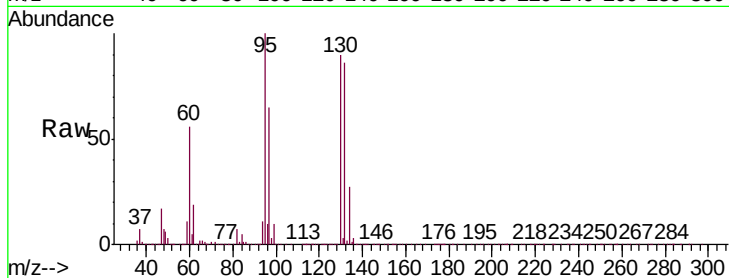
Ion Ratio Lower Upper

95 100

97 64.6 43.5 80.7

132 86.1 58.6 108.8

130 90.2 59.4 110.2

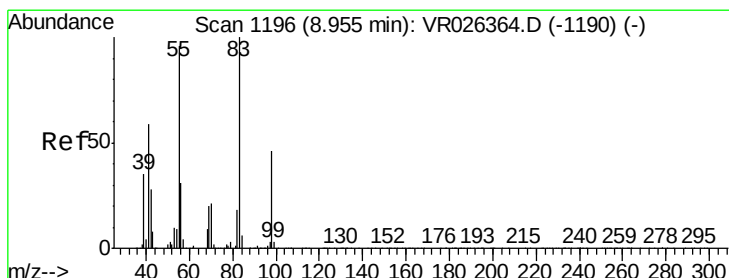
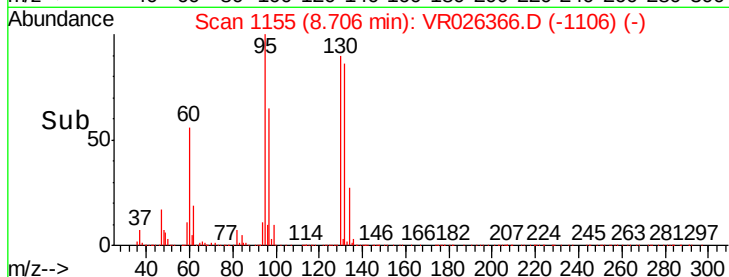
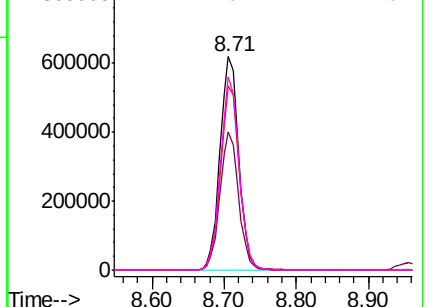


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 26.502 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

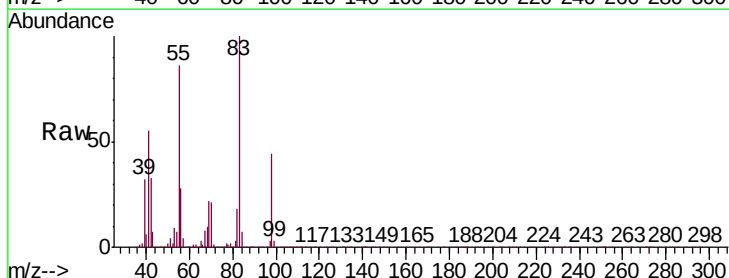
Tgt Ion: 83 Resp: 1731663

Ion Ratio Lower Upper

83 100

55 88.6 72.2 108.2

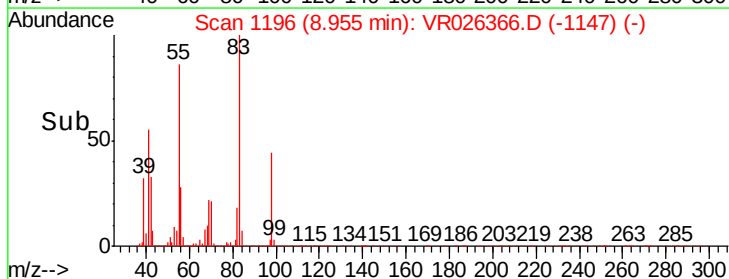
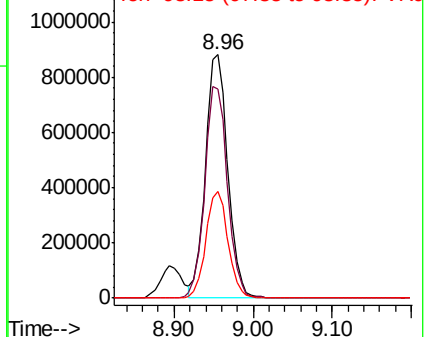
98 43.8 35.0 52.4

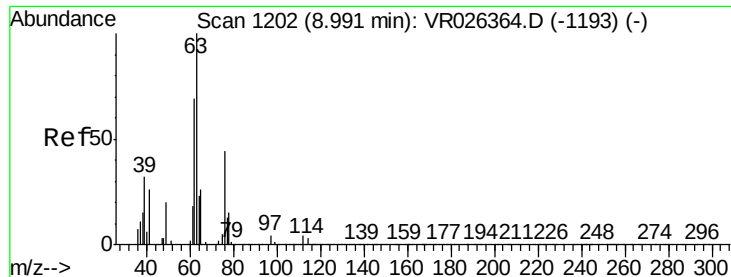


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 21.129 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

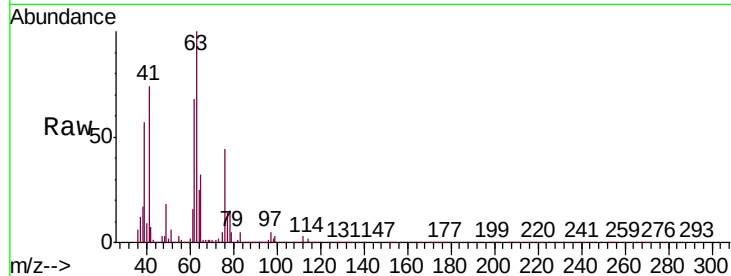
VSTD02085

Tgt Ion: 63 Resp: 887519

Ion Ratio Lower Upper

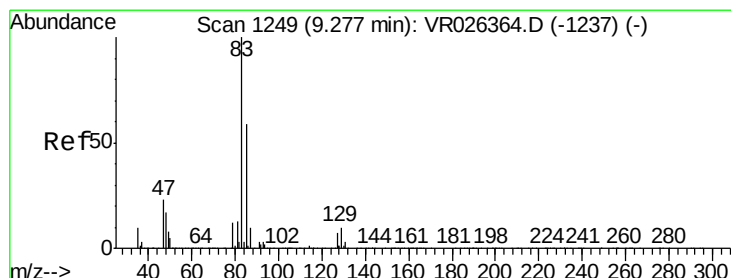
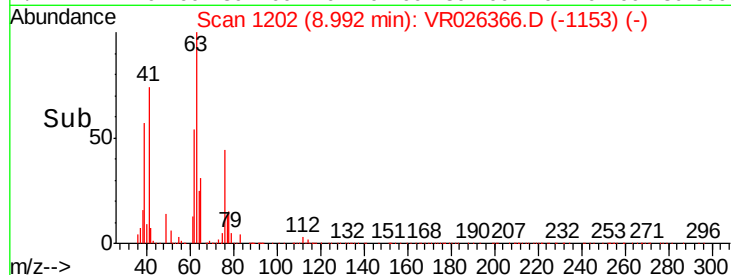
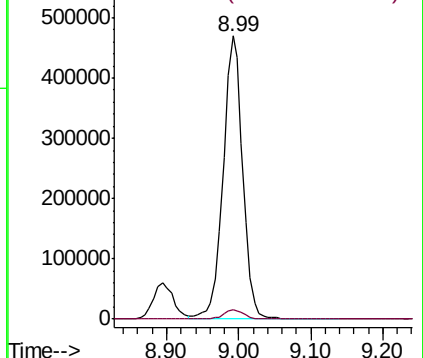
63 100

112 3.5 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 21.391 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

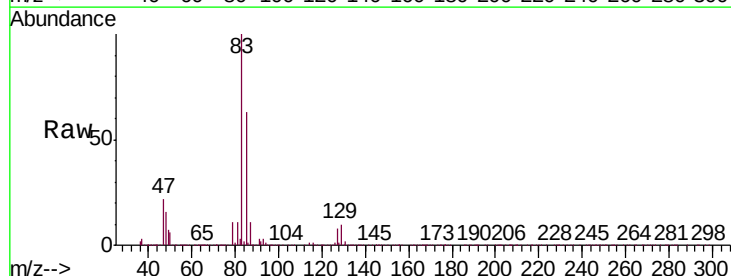
Tgt Ion: 83 Resp: 1007397

Ion Ratio Lower Upper

83 100

85 63.2 41.0 76.2

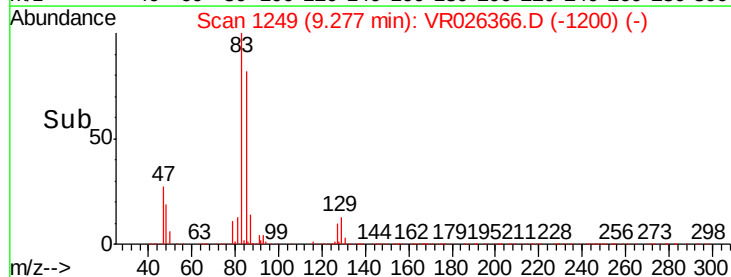
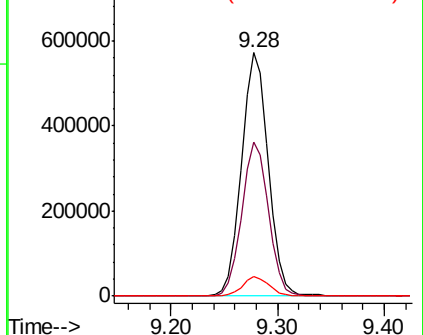
127 7.9 5.5 8.3

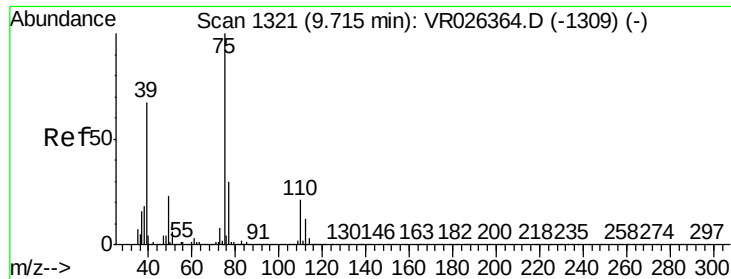


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

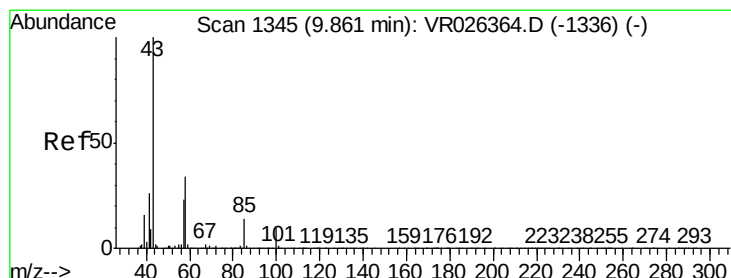
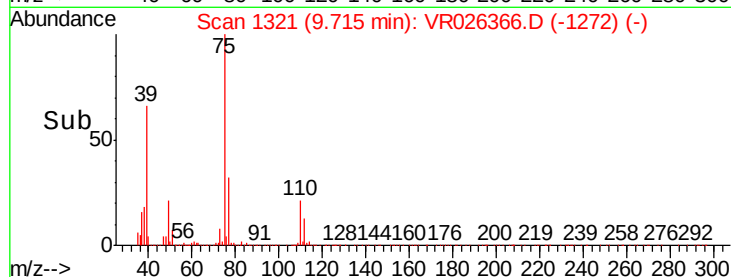
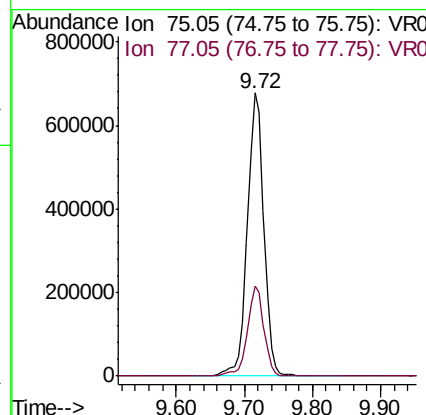
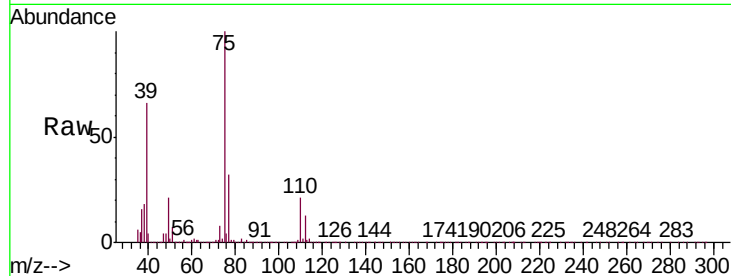




#39
 cis-1,3-Dichloropropene
 Concen: 25.772 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

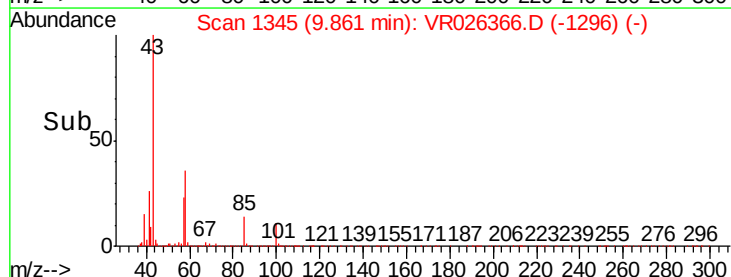
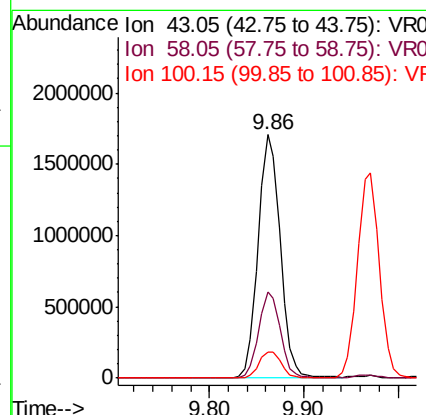
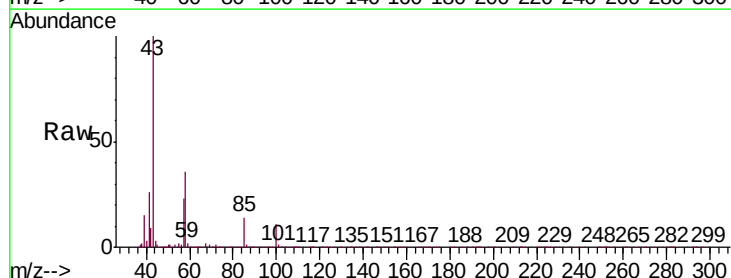
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

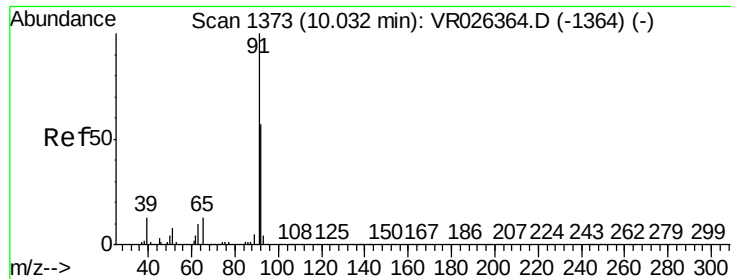
Tgt Ion: 75 Resp: 1140395
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 256.670 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion: 43 Resp: 2810690
 Ion Ratio Lower Upper
 43 100
 58 34.7 26.7 40.1
 100 11.0 8.4 12.6





#42

Toluene

Concen: 22.908 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

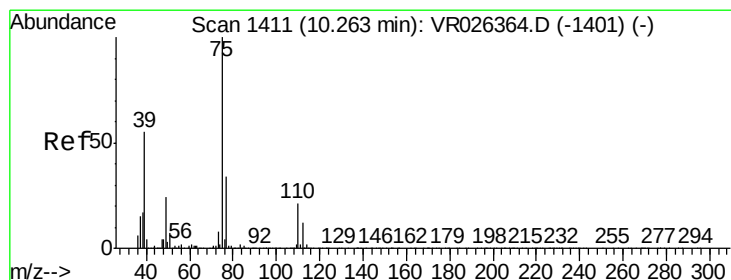
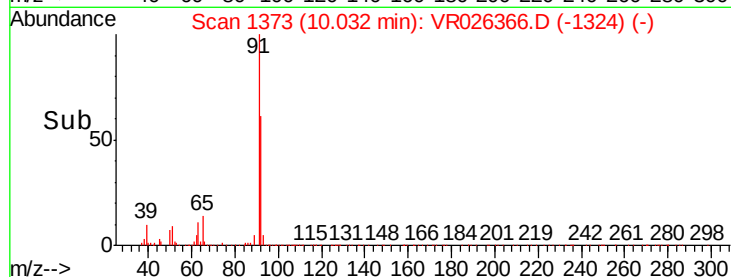
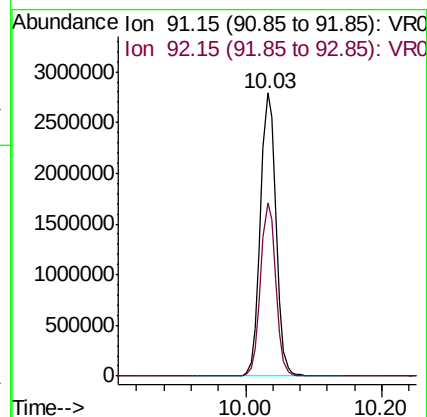
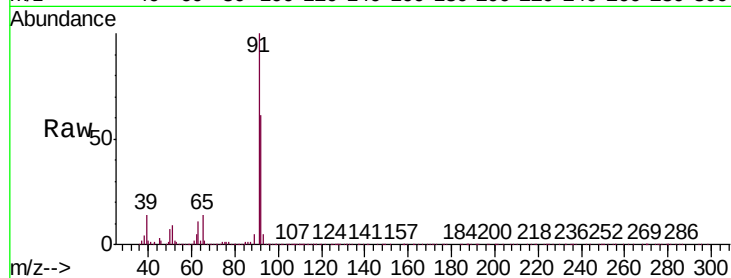
VSTD02085

Tgt Ion: 91 Resp: 4468879

Ion Ratio Lower Upper

91 100

92 61.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 24.905 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026366.D

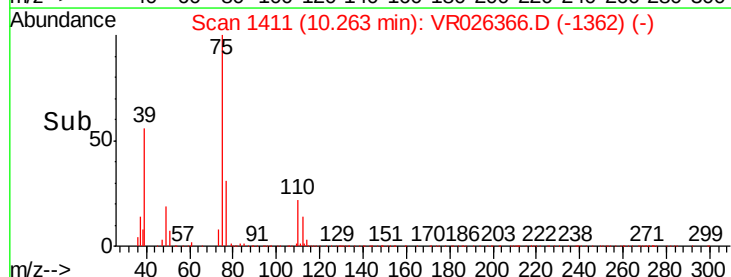
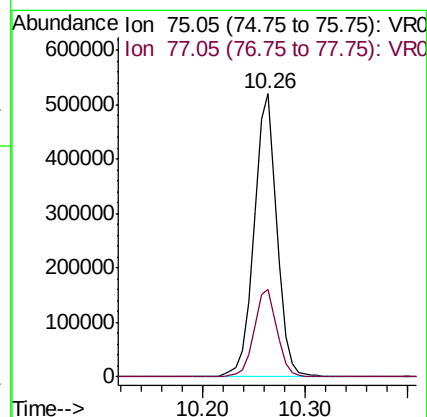
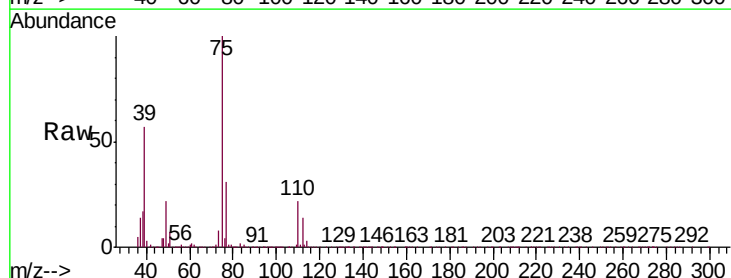
Acq: 22 Feb 2019 16:48

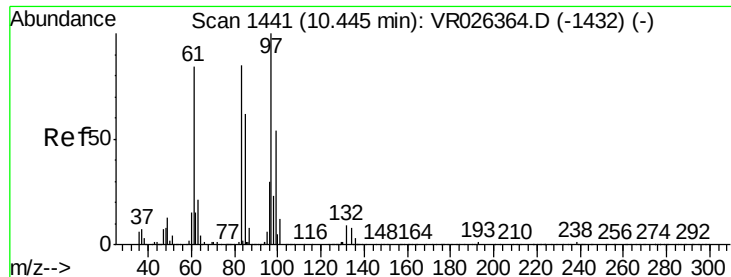
Tgt Ion: 75 Resp: 814766

Ion Ratio Lower Upper

75 100

77 30.9 23.9 44.3

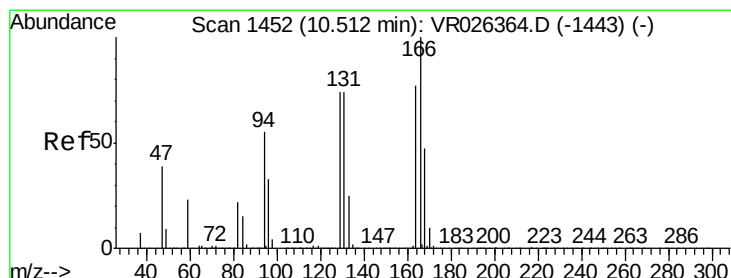
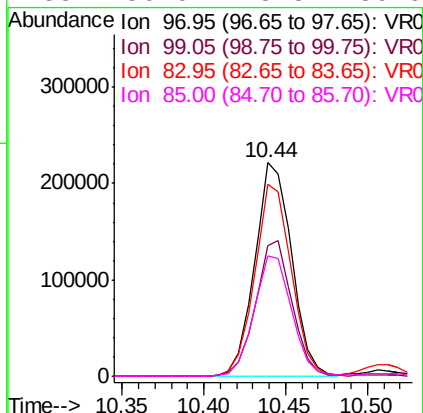
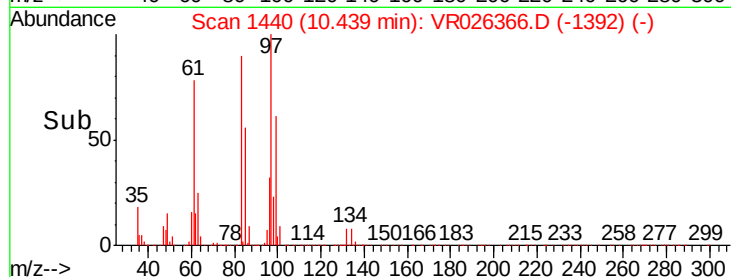
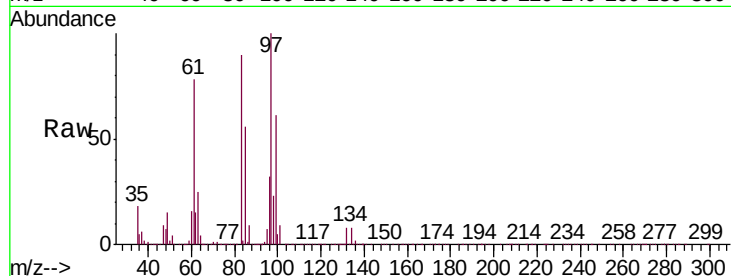




#45
 1,1,2-Trichloroethane
 Concen: 19.681 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

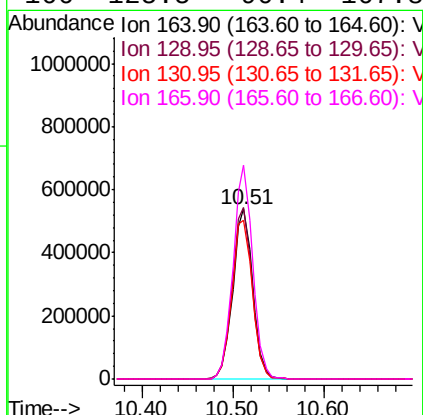
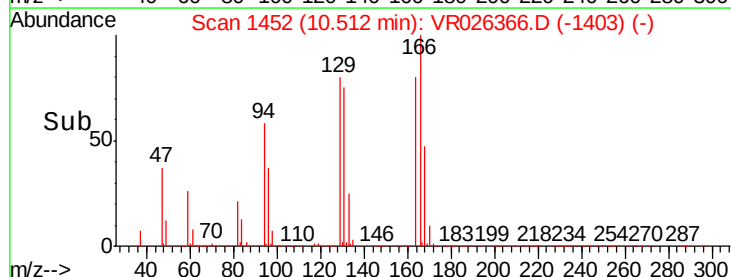
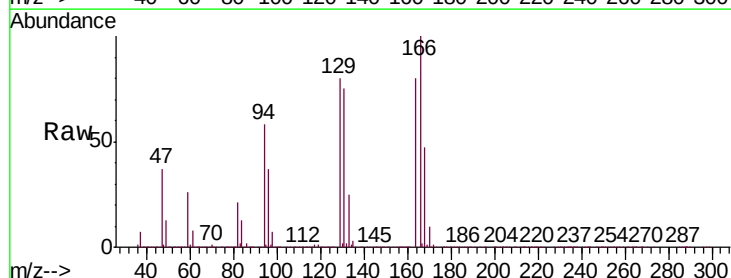
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

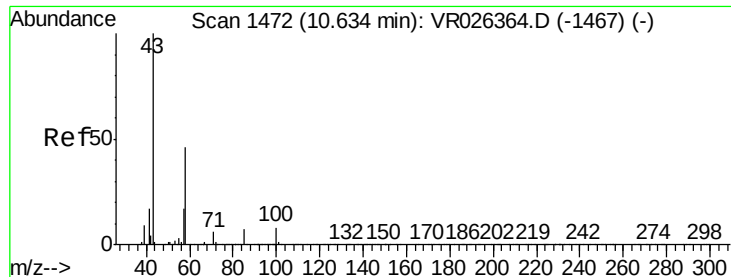
Tgt Ion:	97	Resp:	348619
Ion	Ratio	Lower	Upper
97	100		
99	61.4	38.1	70.7
83	90.0	59.6	110.6
85	56.0	43.5	80.9



#47
 Tetrachloroethene
 Concen: 22.656 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion:	164	Resp:	815125
Ion	Ratio	Lower	Upper
164	100		
129	101.0	67.2	124.8
131	93.6	67.3	125.1
166	125.5	90.4	167.8



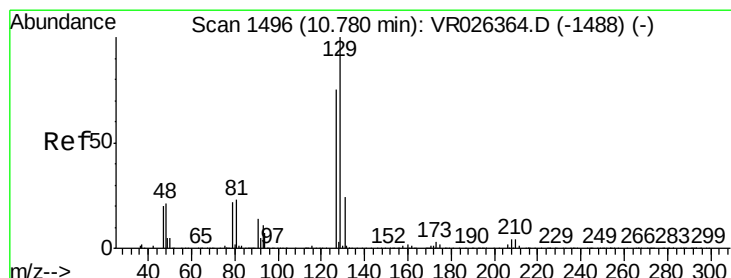
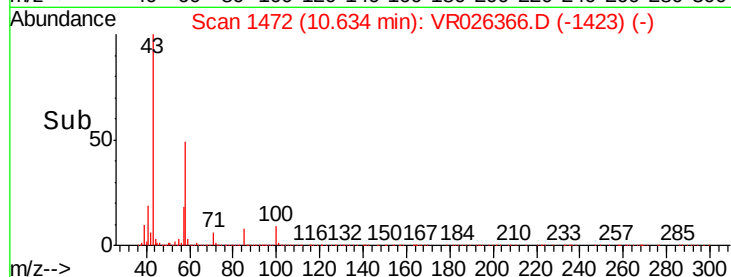
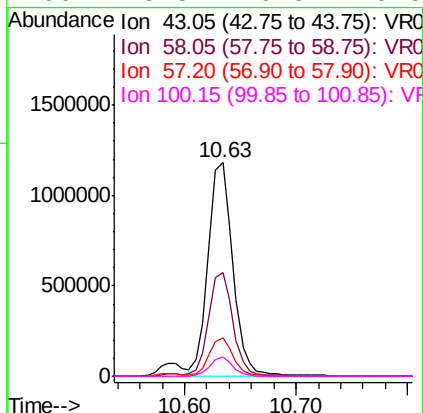
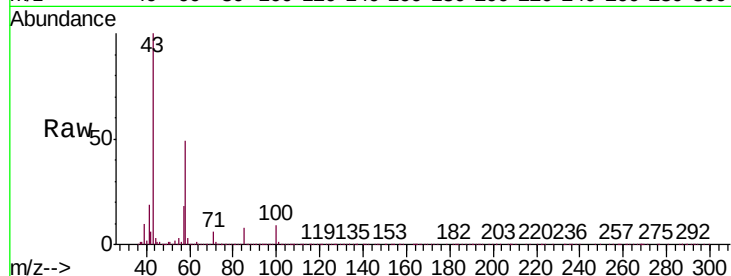


#48
2-Hexanone
Concen: 242.780 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 1826266

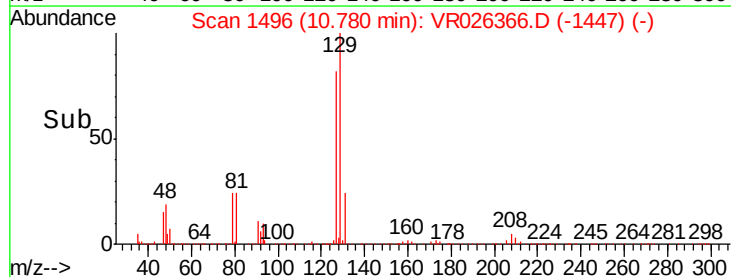
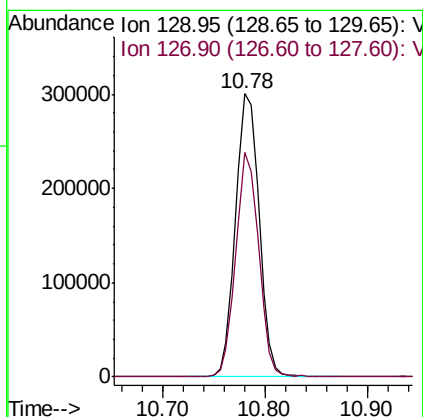
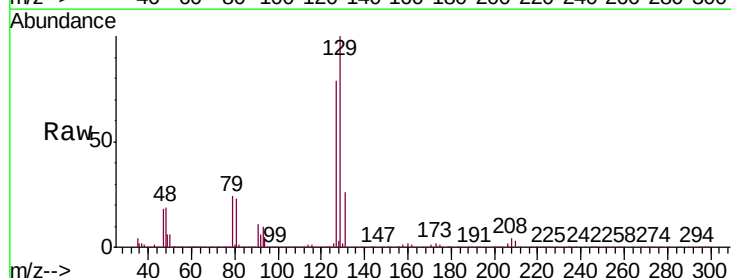
Ion	Ratio	Lower	Upper
43	100		
58	49.5	38.4	57.6
57	17.2	13.2	19.8
100	8.5	6.3	9.5

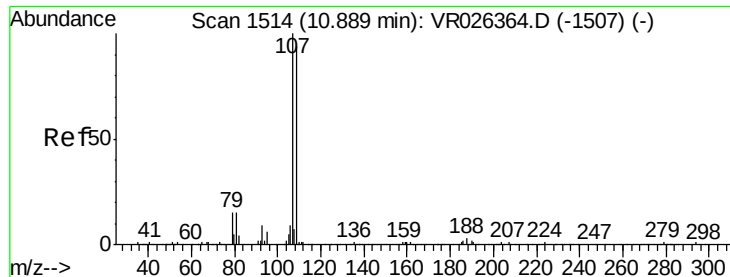


#49
Dibromochloromethane
Concen: 20.925 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion: 129 Resp: 479687

Ion	Ratio	Lower	Upper
129	100		
127	79.2	52.1	96.7

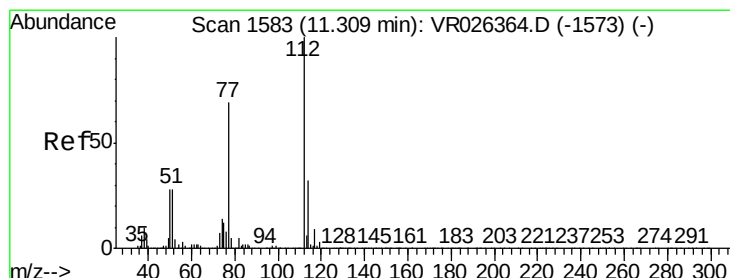
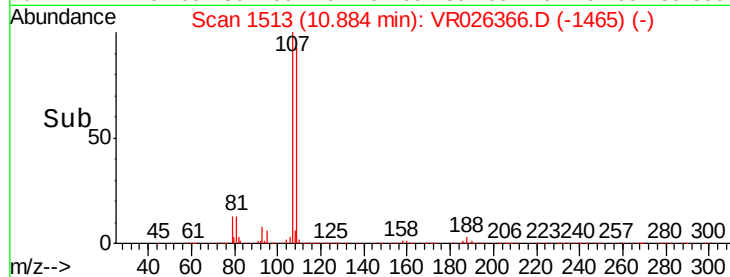
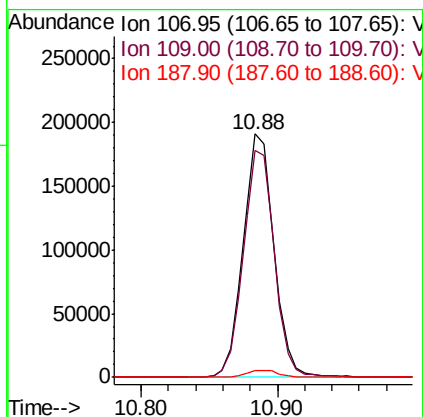
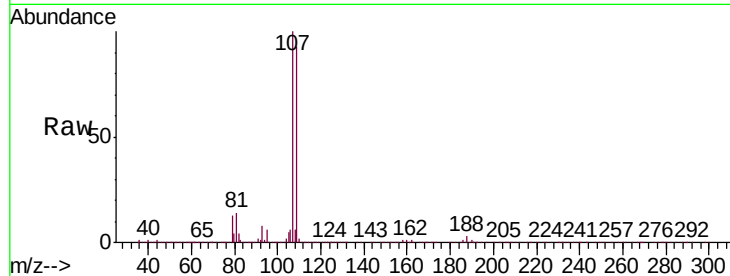




#50
1,2-Dibromoethane
Concen: 20.995 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

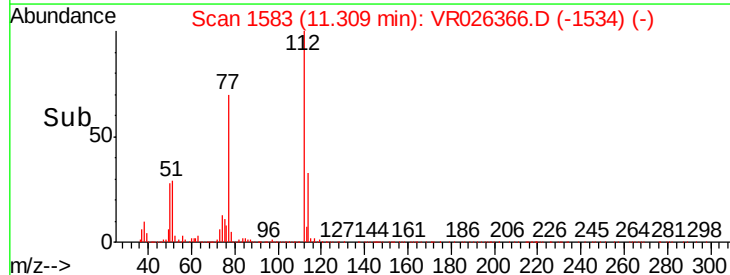
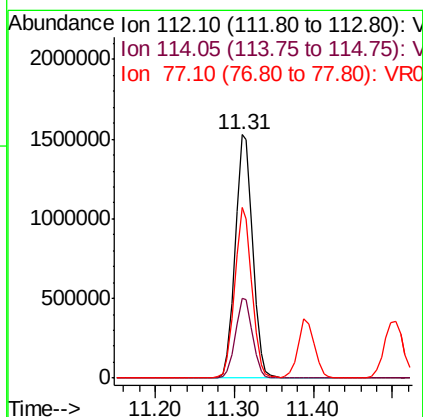
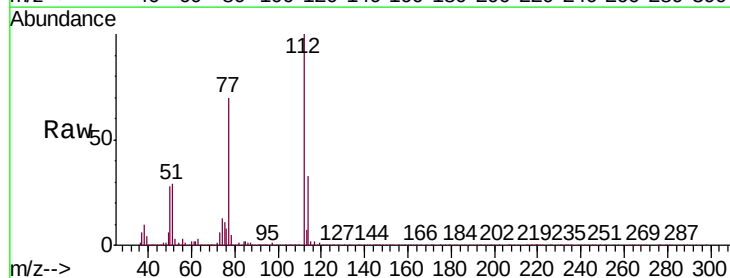
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

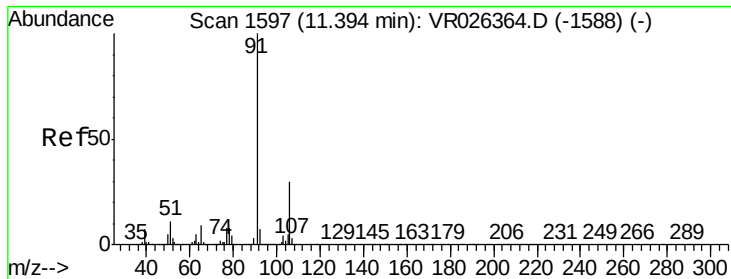
Tgt Ion:107 Resp: 300929
Ion Ratio Lower Upper
107 100
109 93.0 66.4 123.4
188 2.6 2.2 3.2



#51
Chlorobenzene
Concen: 20.815 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion:112 Resp: 2351814
Ion Ratio Lower Upper
112 100
114 32.7 22.0 41.0
77 70.2 55.4 83.2





#52

Ethylbenzene

Concen: 23.442 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

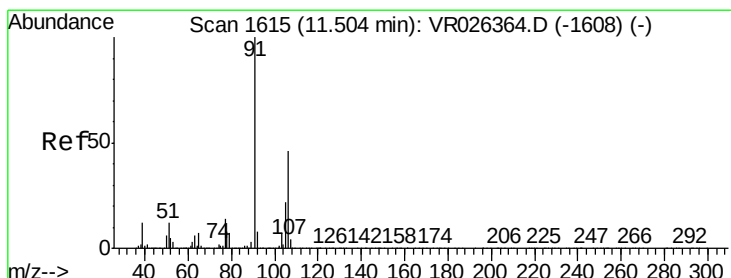
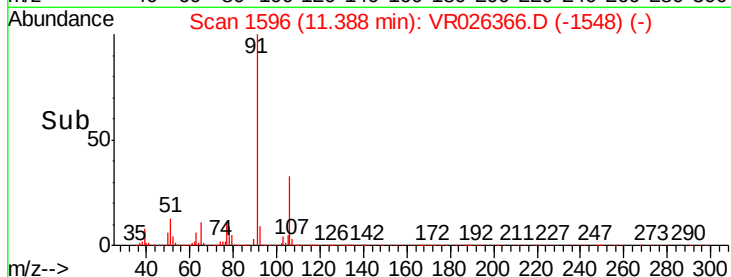
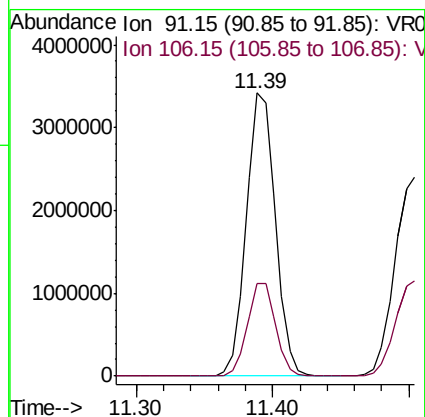
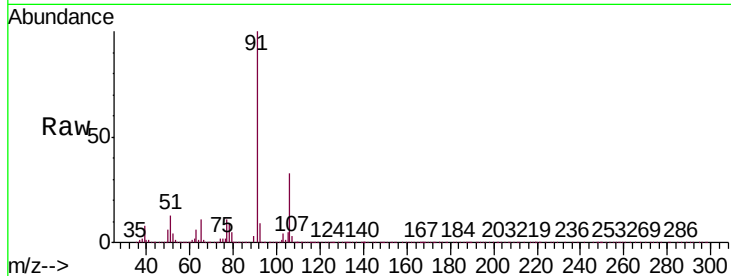
VSTD02085

Tgt Ion: 91 Resp: 5103914

Ion Ratio Lower Upper

91 100

106 32.8 21.2 39.4



#53

m,p-Xylene

Concen: 24.480 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026366.D

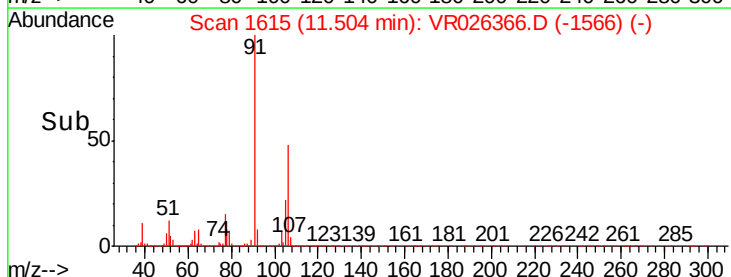
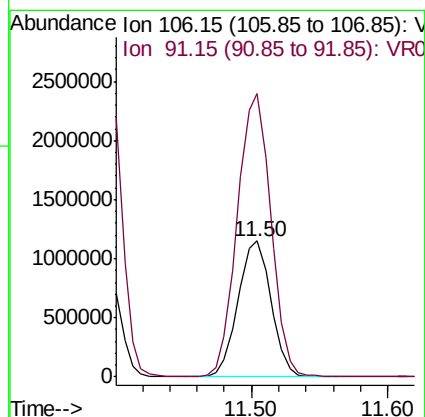
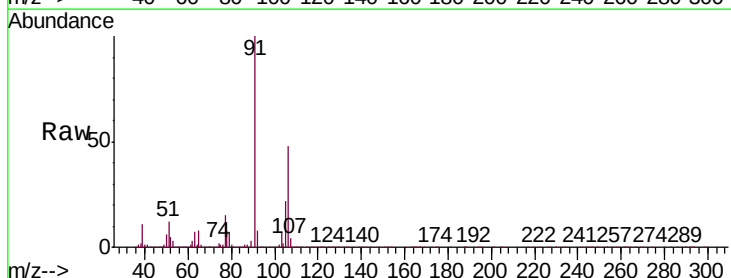
Acq: 22 Feb 2019 16:48

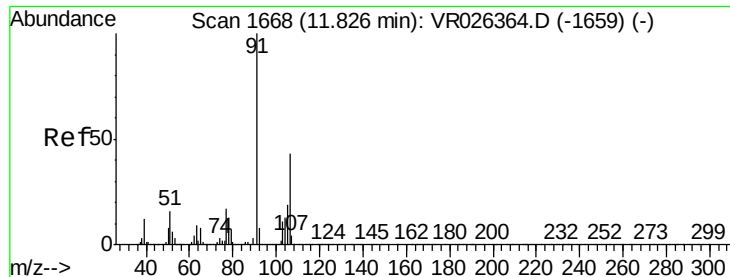
Tgt Ion: 106 Resp: 1944525

Ion Ratio Lower Upper

106 100

91 208.0 153.9 285.7

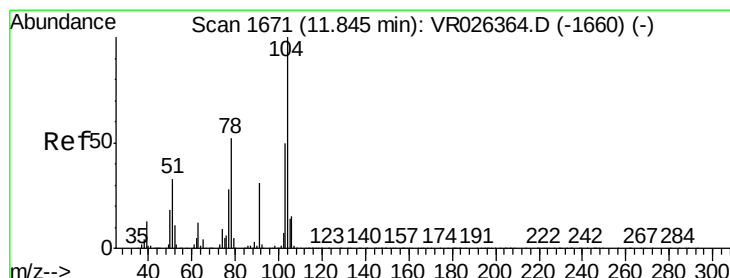
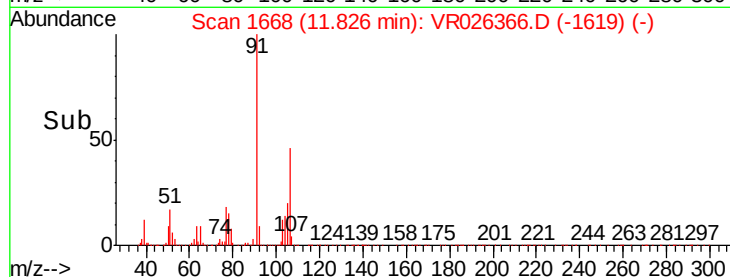
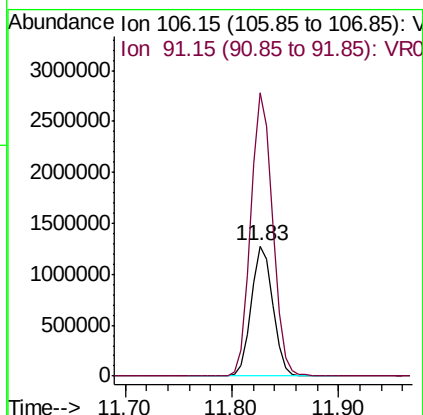
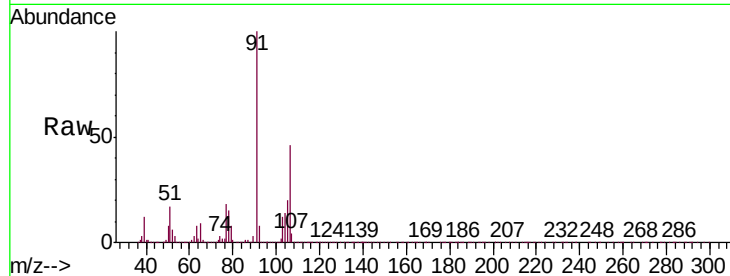




#54
o-Xylene
Concen: 26.493 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

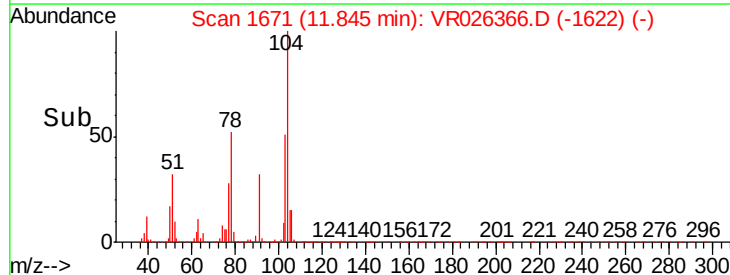
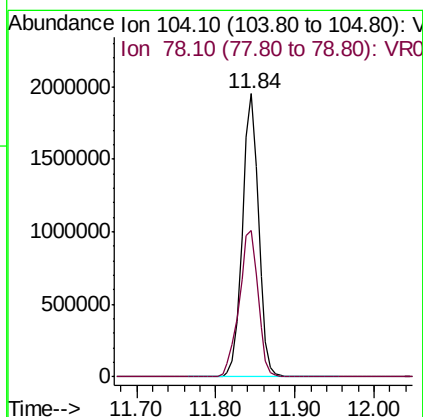
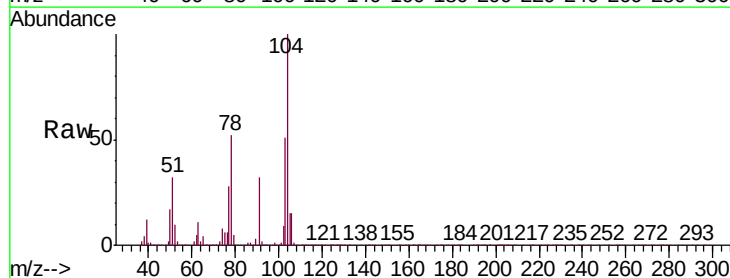
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

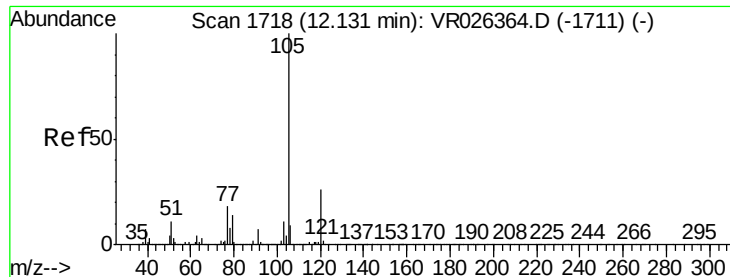
Tgt Ion:106 Resp: 1826028
Ion Ratio Lower Upper
106 100
91 218.1 162.5 301.9



#55
Styrene
Concen: 25.616 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026366.D
Acq: 22 Feb 2019 16:48

Tgt Ion:104 Resp: 2785250
Ion Ratio Lower Upper
104 100
78 51.8 36.5 67.7





#56

Isopropylbenzene

Concen: 25.440 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

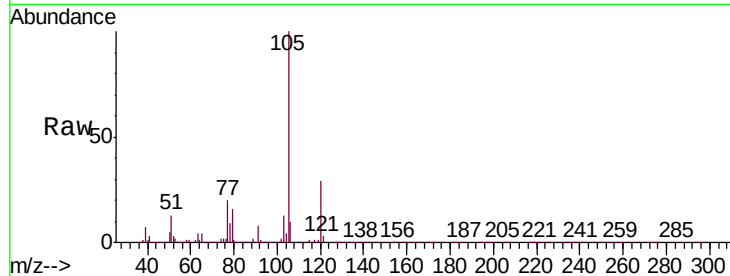
Tgt Ion:105 Resp: 4958603

Ion Ratio Lower Upper

105 100

120 27.3 20.4 30.6

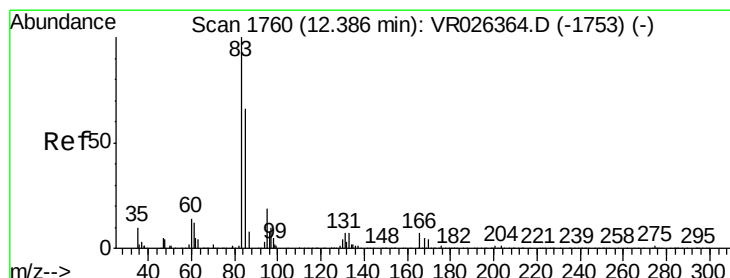
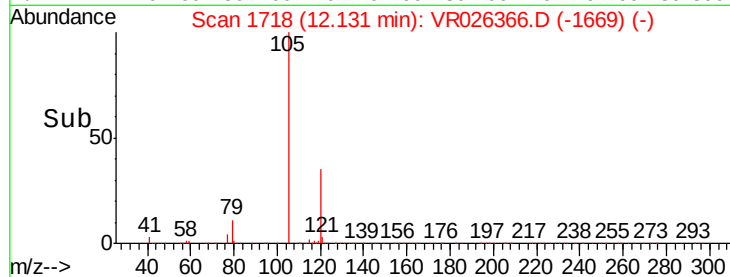
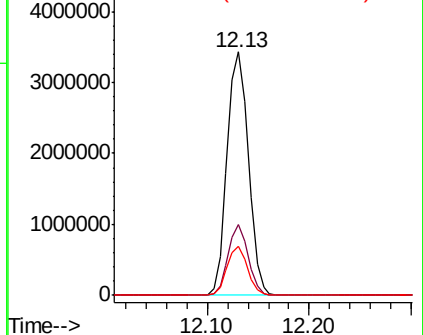
77 19.4 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 19.385 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

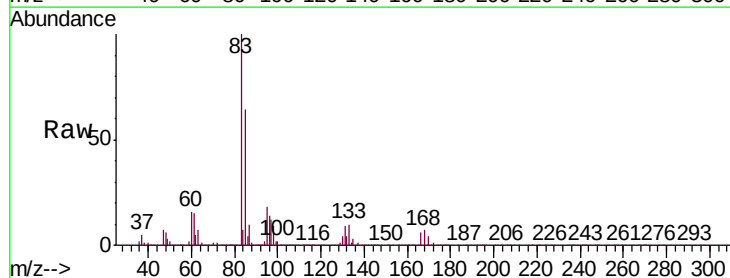
Tgt Ion: 83 Resp: 322974

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

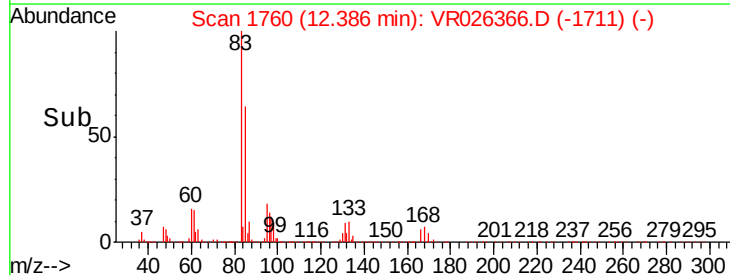
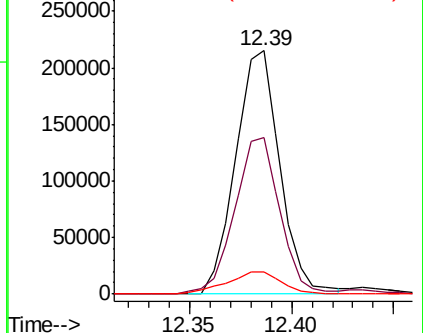
131 9.1 6.1 9.1

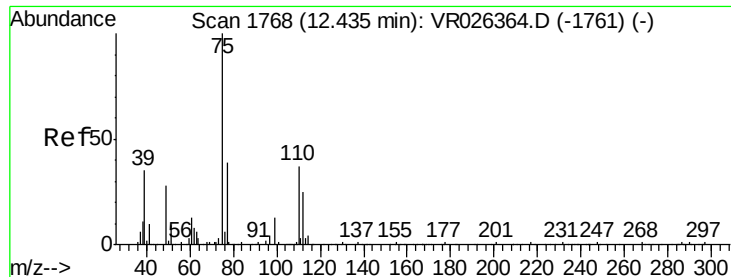


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.287 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

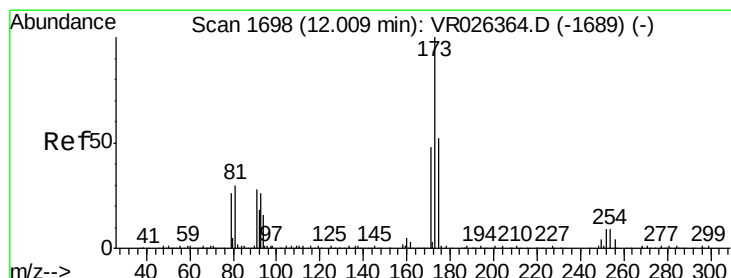
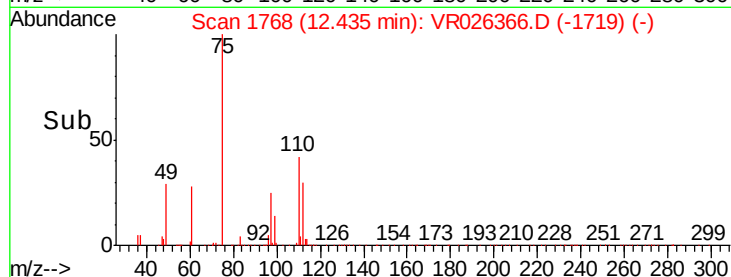
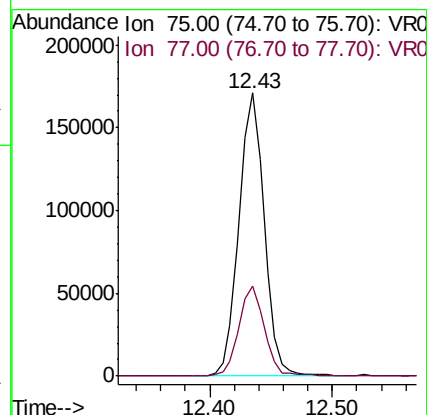
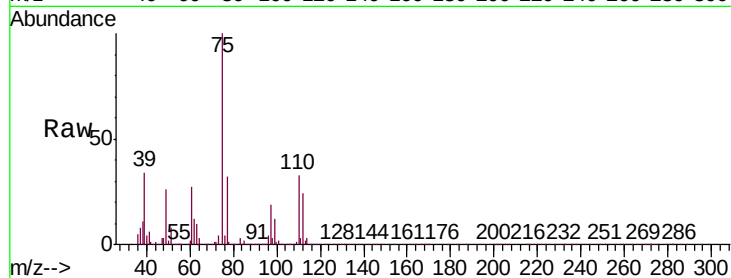
VSTD02085

Tgt Ion: 75 Resp: 244025

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#61

Bromoform

Concen: 19.433 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

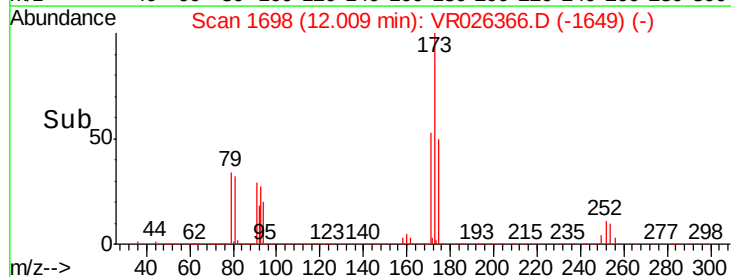
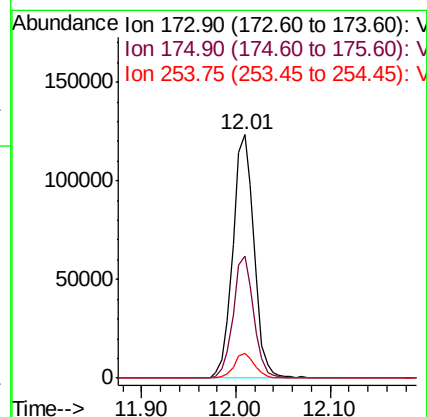
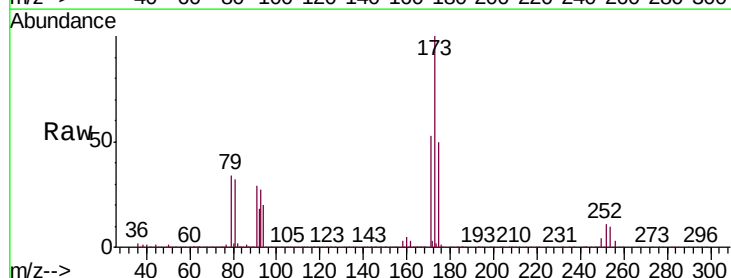
Tgt Ion: 173 Resp: 191771

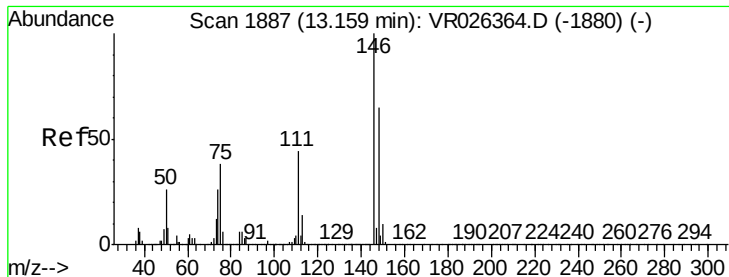
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 10.1 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 22.610 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

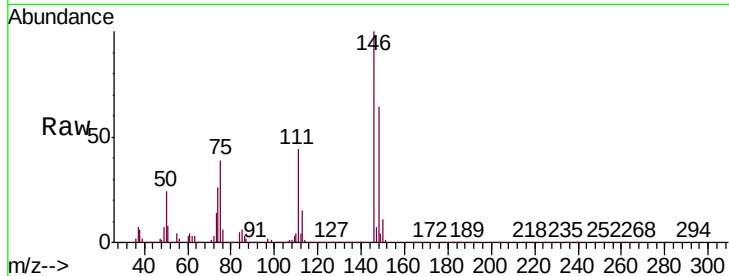
Tgt Ion:146 Resp: 1469427

Ion Ratio Lower Upper

146 100

111 44.0 31.1 57.9

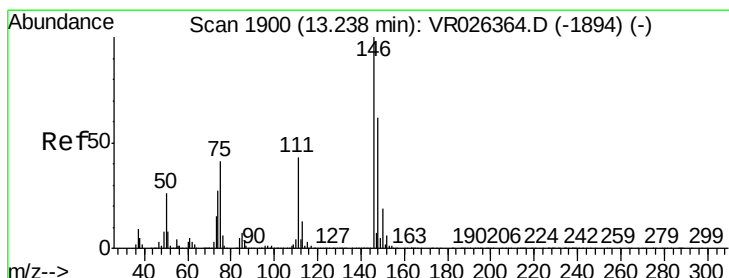
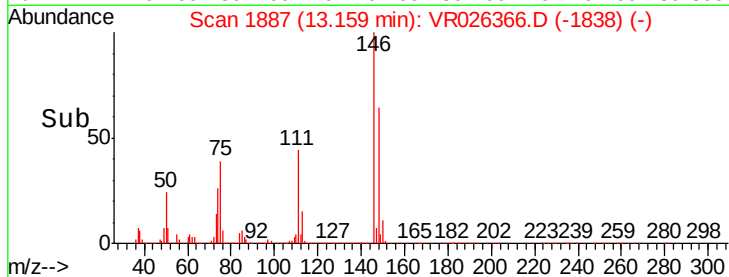
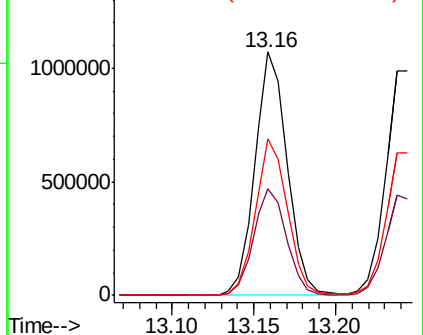
148 64.1 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.130 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.01 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

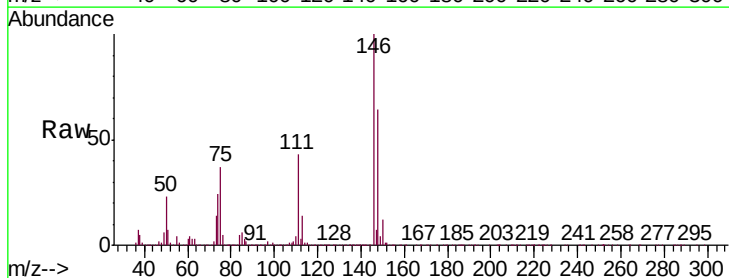
Tgt Ion:146 Resp: 1440081

Ion Ratio Lower Upper

146 100

111 43.1 30.0 55.8

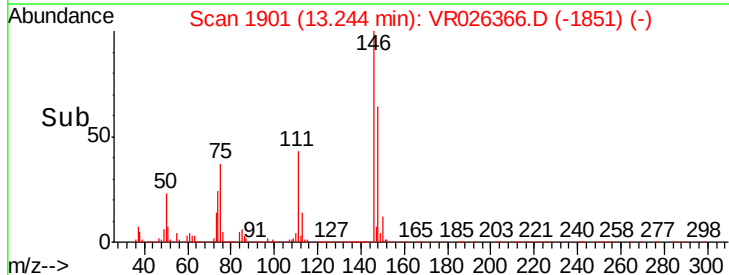
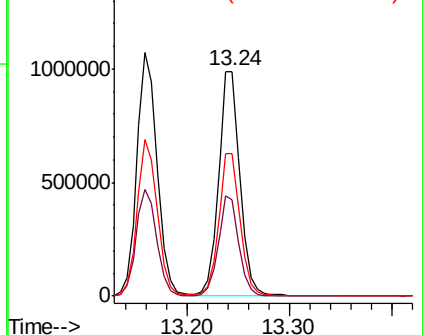
148 63.5 43.7 81.1

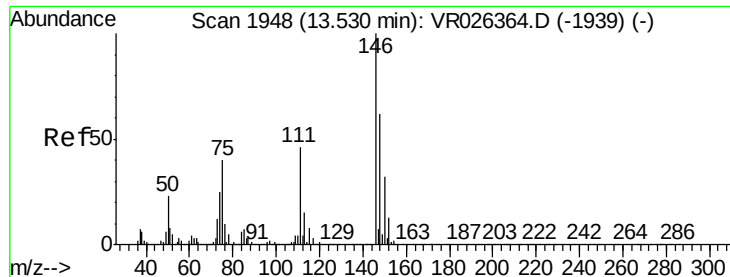


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

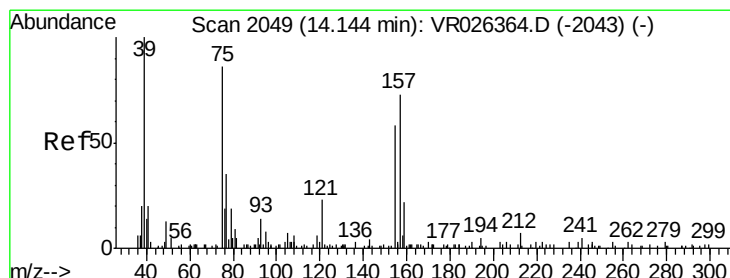
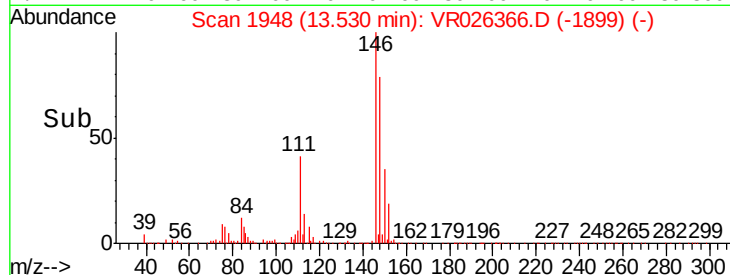
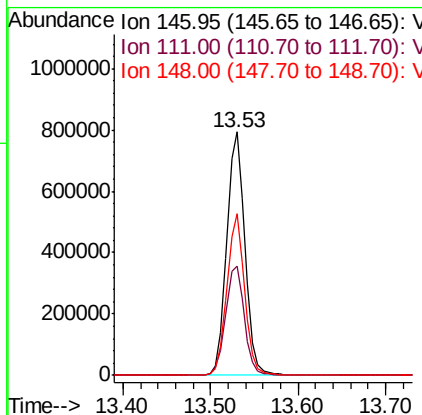
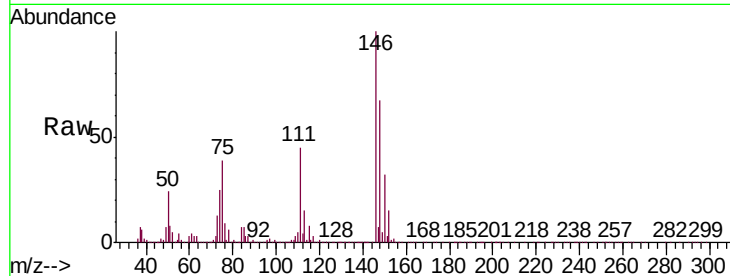




#65
 1,2-Dichlorobenzene
 Concen: 20.450 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

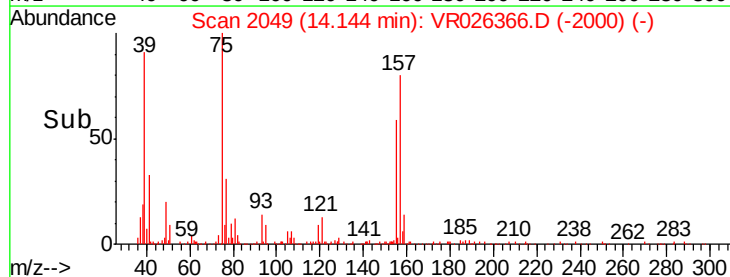
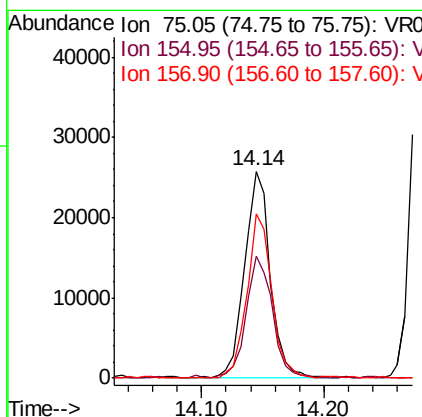
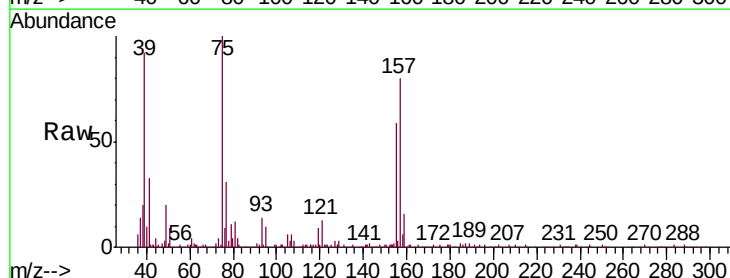
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

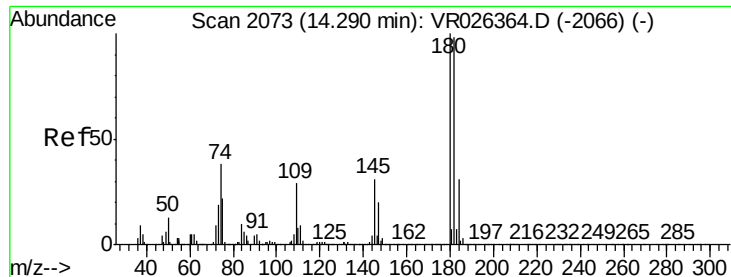
Tgt Ion:146 Resp: 1137514
 Ion Ratio Lower Upper
 146 100
 111 45.0 36.9 55.3
 148 66.6 49.4 74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.697 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion: 75 Resp: 37741
 Ion Ratio Lower Upper
 75 100
 155 59.3 53.8 80.8
 157 79.5 67.4 101.0

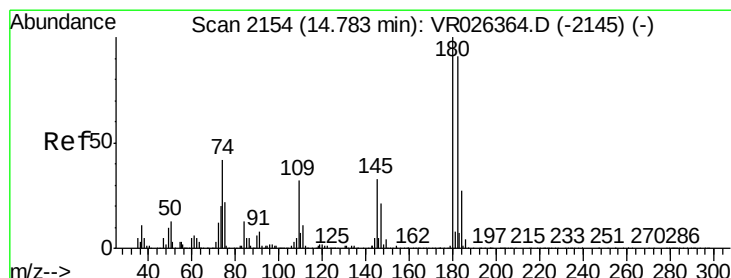
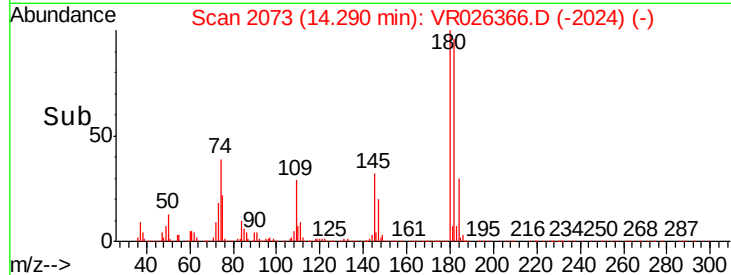
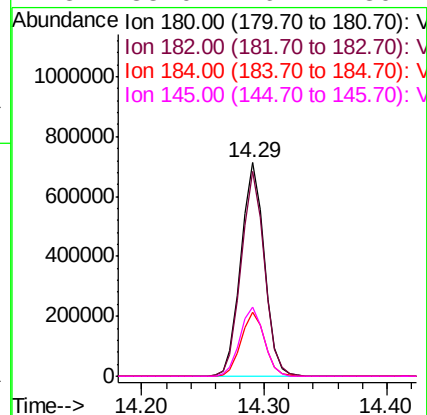
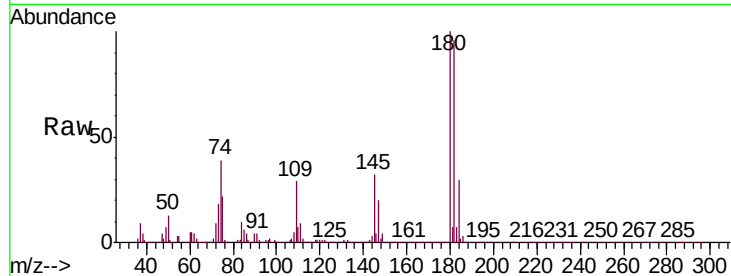




#67
 1,3,5-Trichlorobenzene
 Concen: 22.471 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

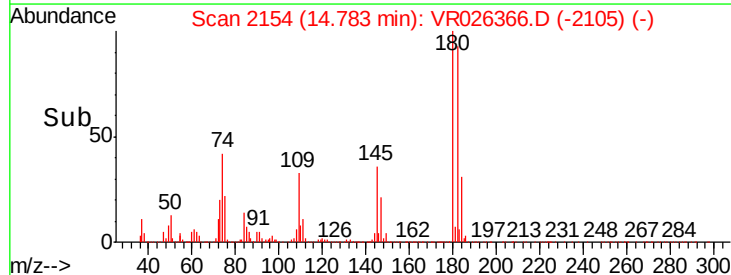
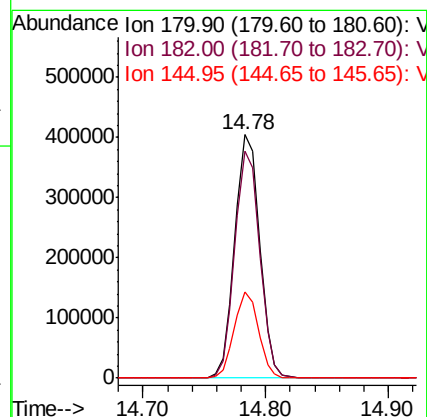
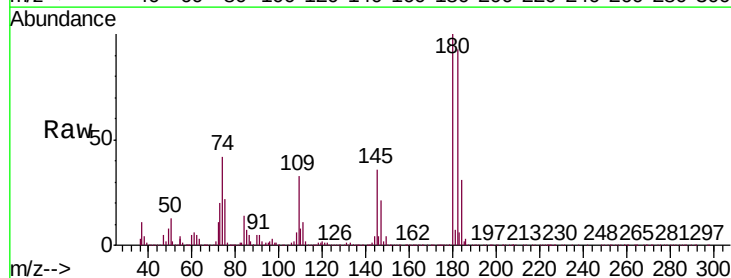
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02085

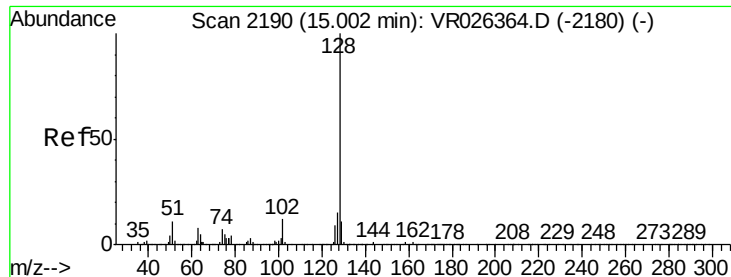
Tgt Ion:	180	Resp:	941674
Ion	Ratio	Lower	Upper
180	100		
182	94.7	79.0	118.6
184	30.3	25.5	38.3
145	33.0	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.816 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026366.D
 Acq: 22 Feb 2019 16:48

Tgt Ion:	180	Resp:	568682
Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.7	112.1
145	34.8	26.6	40.0





#69

Naphthalene

Concen: 29.000 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

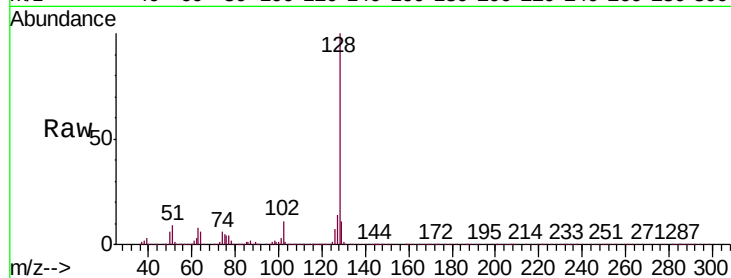
Tgt Ion:128 Resp: 627024

Ion Ratio Lower Upper

128 100

127 13.4 11.2 16.8

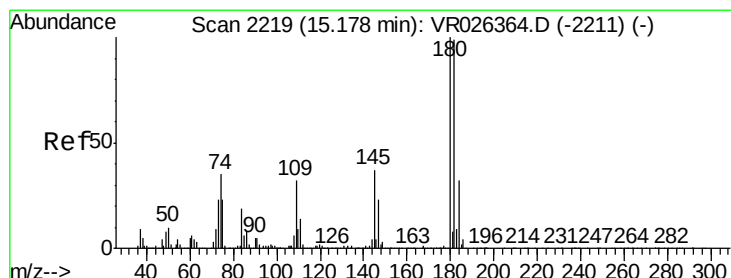
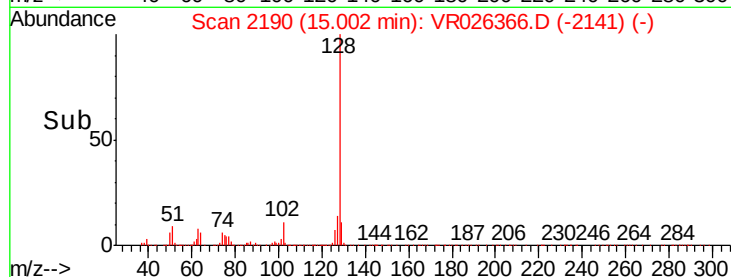
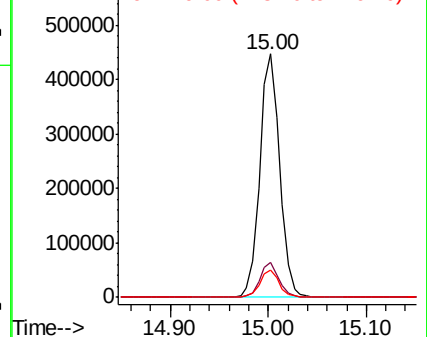
129 10.8 8.3 12.5



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: 22.380 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026366.D

Acq: 22 Feb 2019 16:48

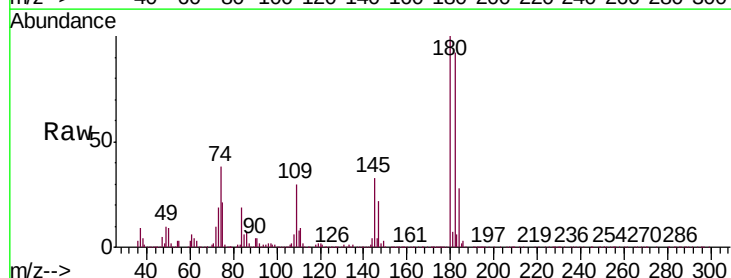
Tgt Ion:180 Resp: 388965

Ion Ratio Lower Upper

180 100

182 95.5 77.4 116.0

145 35.9 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

