

Data File : VR026515.D
Acq On : 9 Apr 2019 14:16
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

Quant Time: Apr 10 05:41:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 01:39:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	740701	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	624000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	264567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	248616	4.42	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.62	69	222790	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	3.61	63	706166	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	6.58	46	266026	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	7.20	84	530338	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.90	65	224180	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	7.85	84	984460	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	257927	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	9.97	98	970103	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	10.23	79	66004	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	10.59	63	241478	65.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.46%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109746	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	206000	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	316951	4.175	ug/L 99
3) Chloromethane	2.01	50	351895	4.395	ug/L 95
5) Vinyl chloride	2.16	62	351378	4.466	ug/L 100
6) Bromomethane	2.52	94	215868	4.692	ug/L 94
8) Chloroethane	2.66	64	208773	4.680	ug/L 98
9) Trichlorofluoromethane	2.93	101	210333	1.931	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	292184	4.862	ug/L 98
12) 1,1-Dichloroethene	3.63	96	307653	4.684	ug/L 94
13) Acetone	3.69	43	241696	47.666	ug/L 96
14) Carbon disulfide	3.94	76	853399	4.476	ug/L 99
15) Methyl Acetate	4.19	43	62838	4.593	ug/L 99
16) Methylene chloride	4.40	84	252818	4.329	ug/L 90
17) Methyl tert-butyl Ether	4.90	73	289802	3.879	ug/L 100
18) trans-1,2-Dichloroethene	4.89	96	274174	4.424	ug/L 93
19) 1,1-Dichloroethane	5.69	63	502862	4.366	ug/L 98
21) 2-Butanone	6.69	43	328927	50.454	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	253682	4.921	ug/L 89

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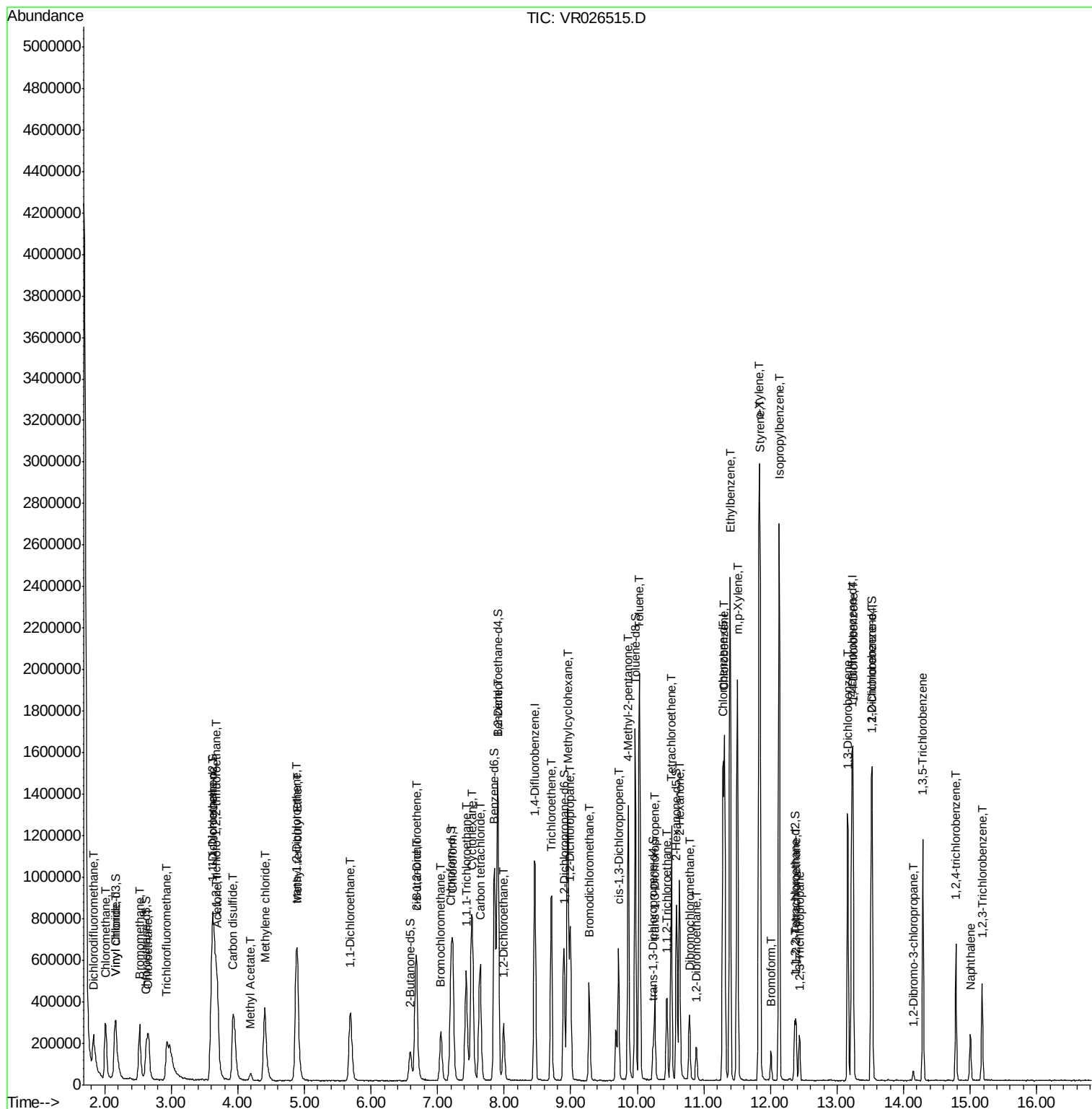
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	73823	4.596	ug/L	92
25) Chloroform	7.23	83	496504	4.506	ug/L	99
27) 1,2-Dichloroethane	7.99	62	250791	4.564	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	427947	4.155	ug/L	97
30) Cyclohexane	7.51	56	457206	4.778	ug/L	96
31) Carbon tetrachloride	7.64	117	433207	4.440	ug/L	97
33) Benzene	7.91	78	1135860	4.658	ug/L	100
34) Trichloroethene	8.71	95	290410	4.446	ug/L	96
35) Methylcyclohexane	8.95	83	459402	4.932	ug/L	96
37) 1,2-Dichloropropane	8.99	63	239063	4.473	ug/L	99
38) Bromodichloromethane	9.28	83	287657	4.658	ug/L #	94
39) cis-1,3-Dichloropropene	9.72	75	297176	5.123	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	843205	53.847	ug/L	99
42) Toluene	10.03	91	1233989	4.938	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	206444	4.879	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	102072	4.722	ug/L	97
47) Tetrachloroethene	10.51	164	216301	4.653	ug/L	99
48) 2-Hexanone	10.63	43	574572	55.164	ug/L	99
49) Dibromochloromethane	10.79	129	133855	4.727	ug/L	89
50) 1,2-Dibromoethane	10.88	107	85618	4.605	ug/L	94
51) Chlorobenzene	11.32	112	667799	4.762	ug/L	97
52) Ethylbenzene	11.39	91	1427925	4.960	ug/L	98
53) m,p-Xylene	11.50	106	513560	4.977	ug/L	97
54) o-Xylene	11.83	106	477261	5.264	ug/L	97
55) Styrene	11.84	104	753970	5.268	ug/L	99
56) Isopropylbenzene	12.13	105	1350428	5.248	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	101450	4.833	ug/L	92
59) 1,2,3-Trichloropropane	12.43	75	75645	4.698	ug/L	99
61) Bromoform	12.01	173	52437	4.442	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	394456	4.652	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	436865	4.589	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	334575	4.756	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10450	3.865	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	252301	4.554	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	148548	4.825	ug/L	98
69) Naphthalene	15.00	128	143603	4.959	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	111985	5.247	ug/L	97

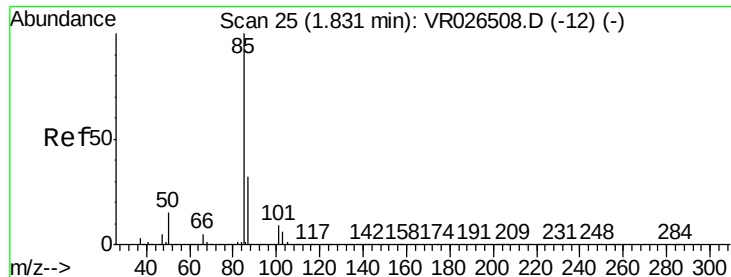
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.175 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampled :

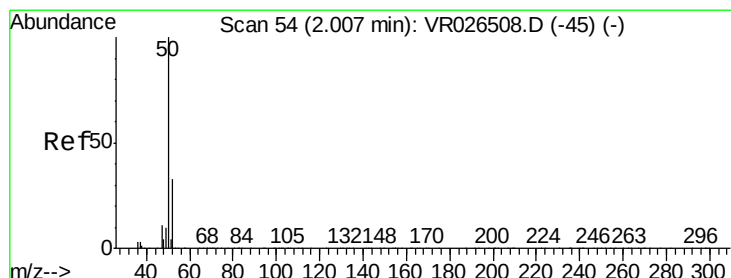
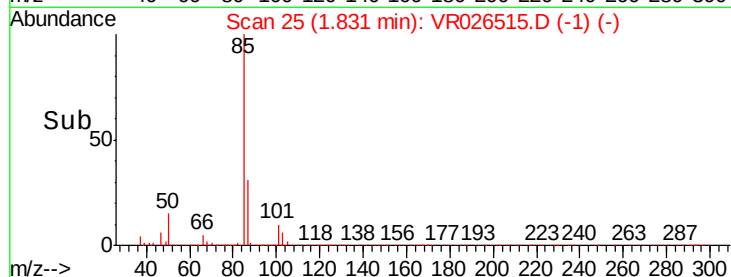
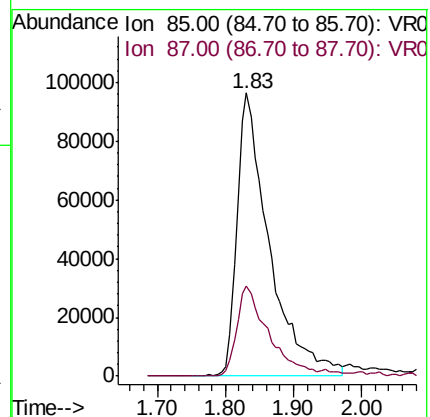
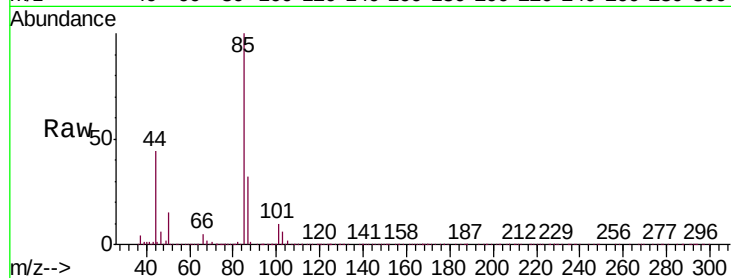
VSTD00566

Tgt Ion: 85 Resp: 316951

Ion Ratio Lower Upper

85 100

87 31.4 25.5 38.3



#3

Chloromethane

Concen: 4.395 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR026515.D

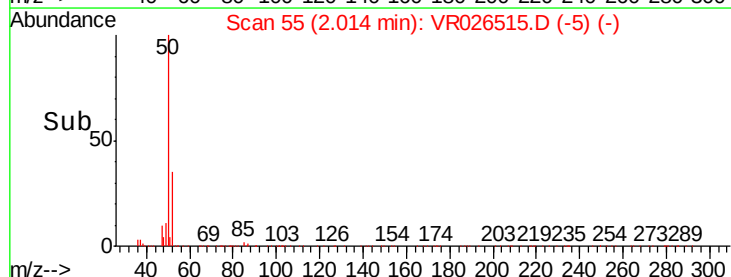
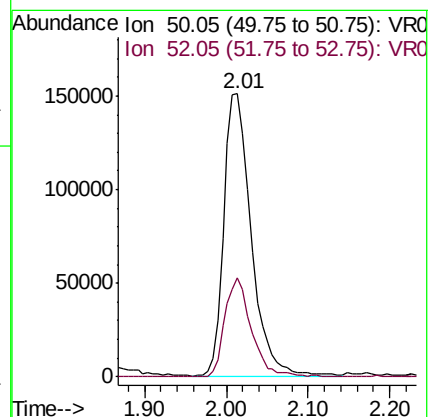
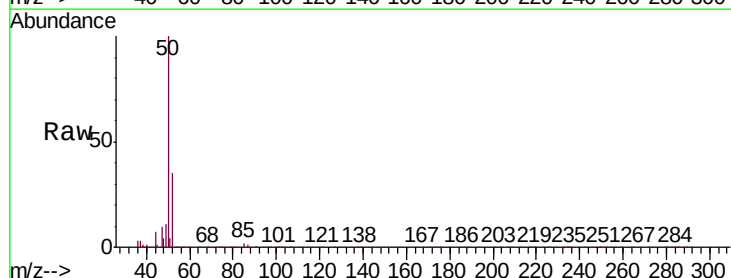
Acq: 9 Apr 2019 14:16

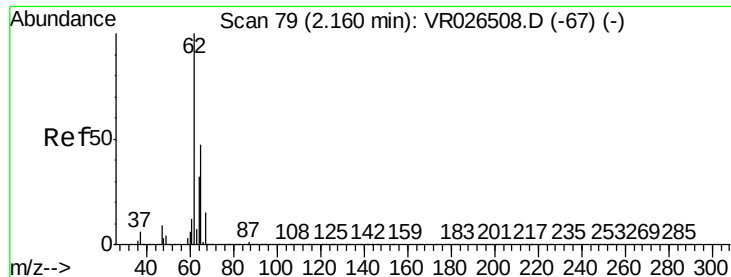
Tgt Ion: 50 Resp: 351895

Ion Ratio Lower Upper

50 100

52 35.2 22.5 41.9





#5

Vinyl chloride

Concen: 4.466 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

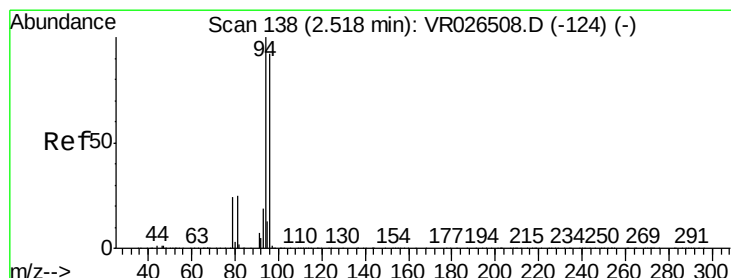
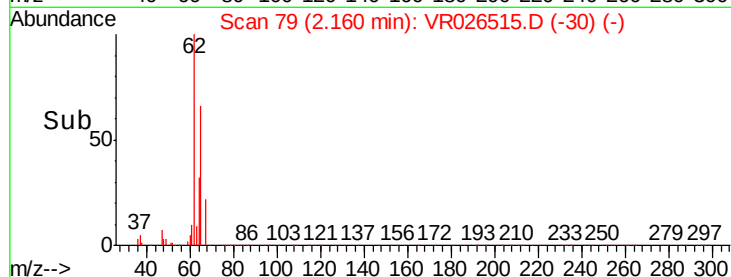
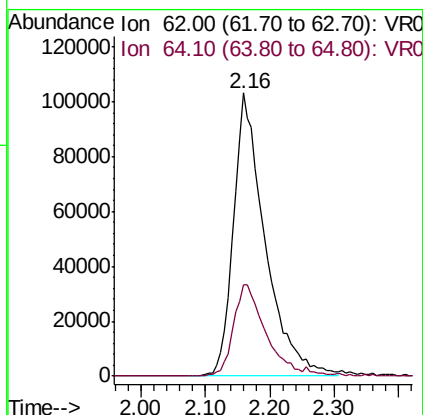
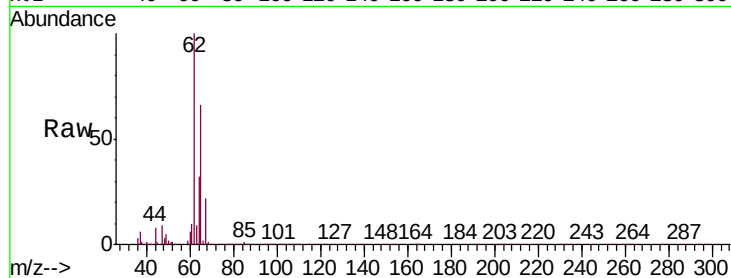
VSTD00566

Tgt Ion: 62 Resp: 351378

Ion Ratio Lower Upper

62 100

64 32.1 22.3 41.5



#6

Bromomethane

Concen: 4.692 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026515.D

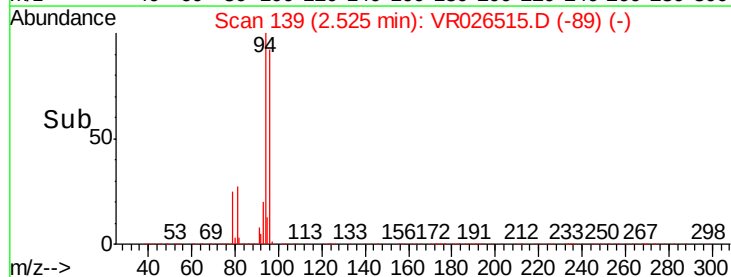
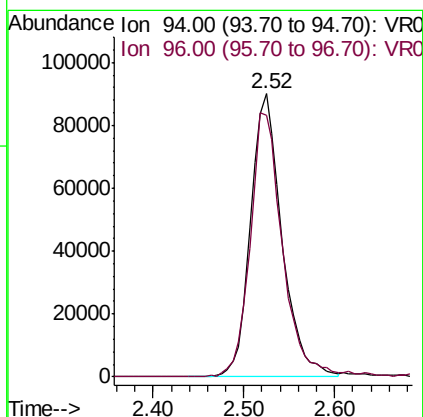
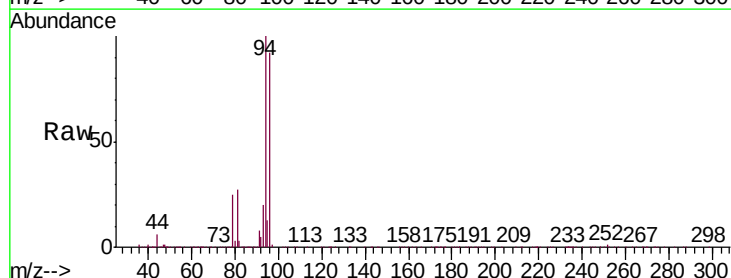
Acq: 9 Apr 2019 14:16

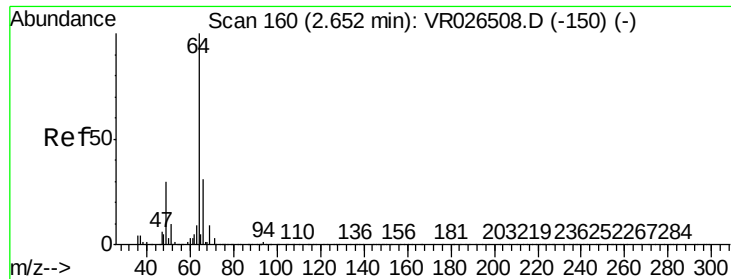
Tgt Ion: 94 Resp: 215868

Ion Ratio Lower Upper

94 100

96 92.3 69.1 128.3





#8

Chloroethane

Concen: 4.680 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

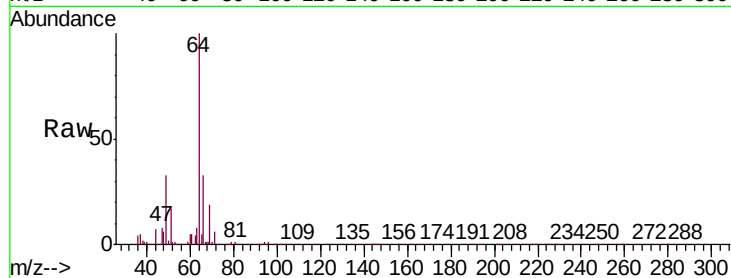
VSTD00566

Tgt Ion: 64 Resp: 208773

Ion Ratio Lower Upper

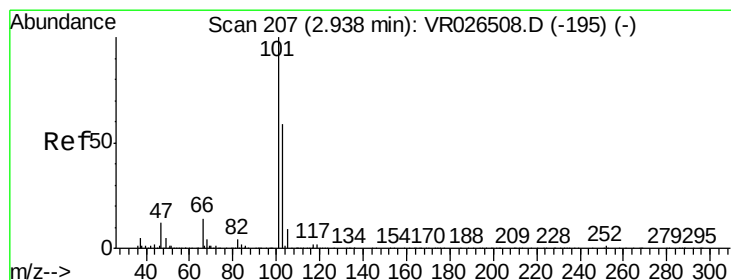
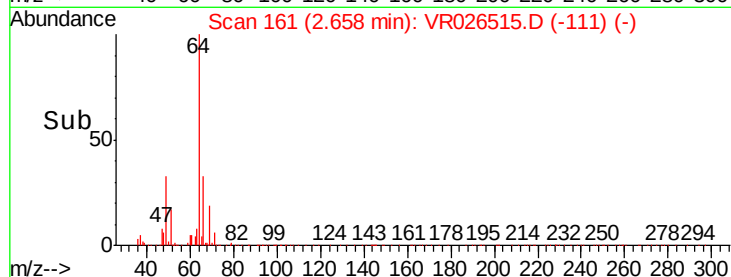
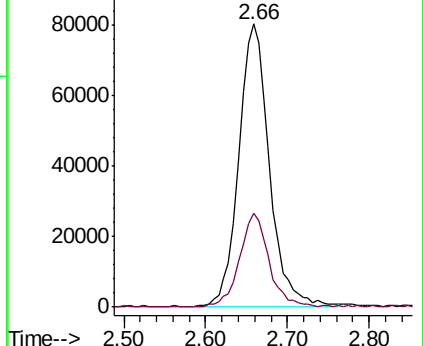
64 100

66 33.3 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.931 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026515.D

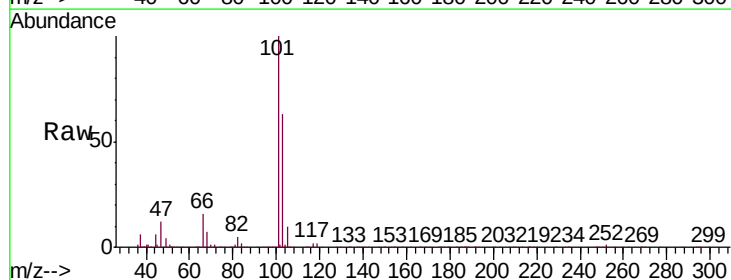
Acq: 9 Apr 2019 14:16

Tgt Ion: 101 Resp: 210333

Ion Ratio Lower Upper

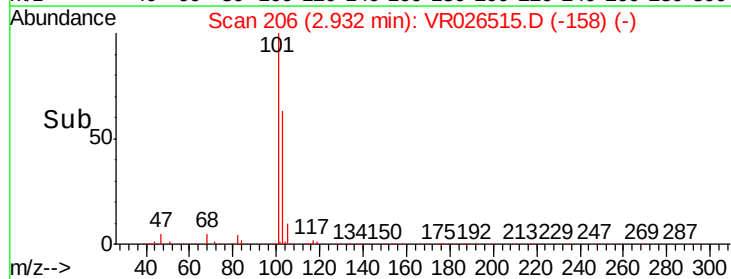
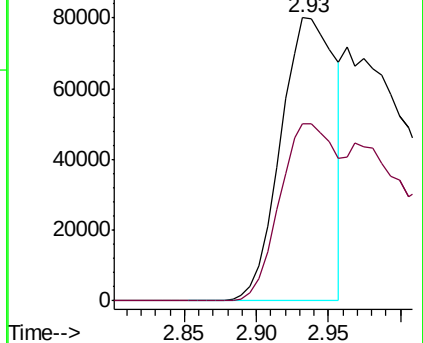
101 100

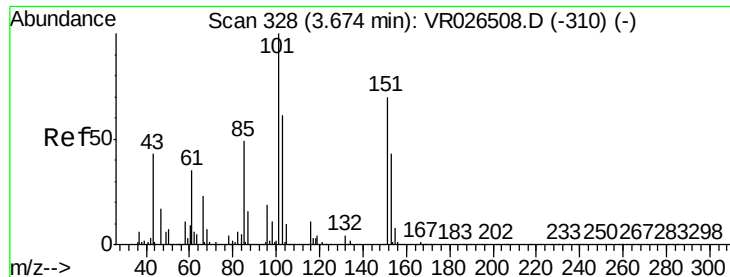
103 63.2 48.2 72.2



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: 4.862 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

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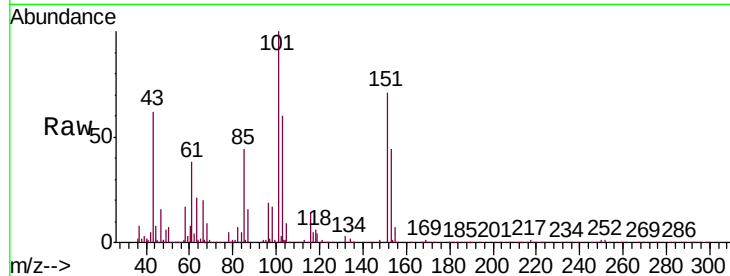
Tgt Ion:101 Resp: 292184

Ion Ratio Lower Upper

101 100

85 49.4 39.2 58.8

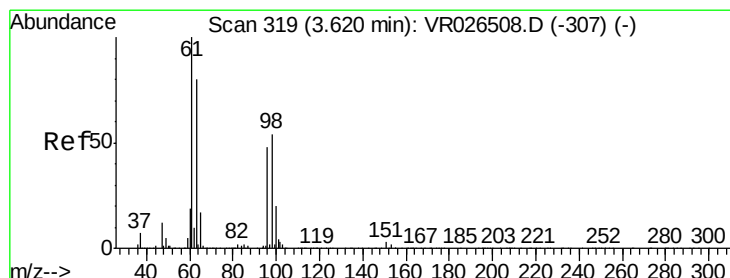
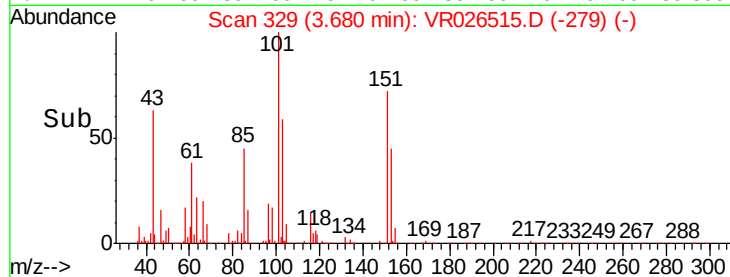
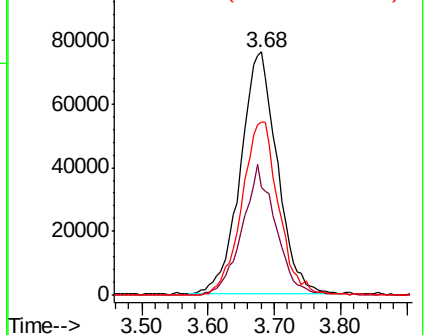
151 72.1 59.7 89.5



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: 4.684 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026515.D

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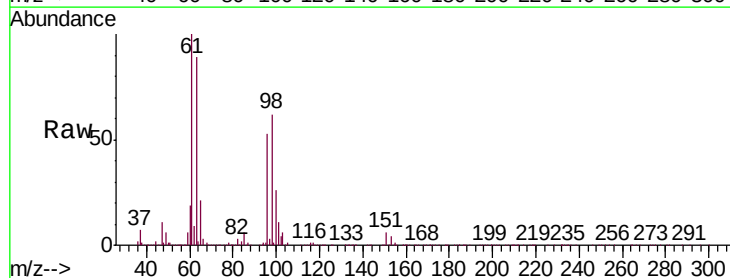
Tgt Ion: 96 Resp: 307653

Ion Ratio Lower Upper

96 100

61 188.4 142.7 264.9

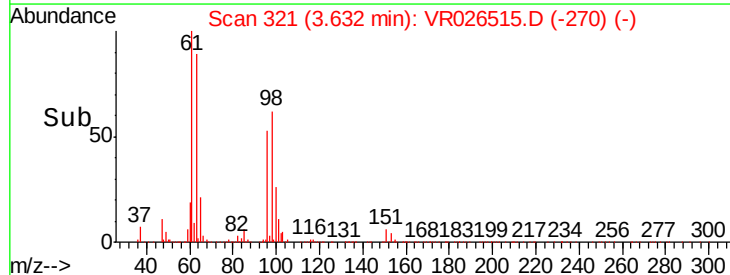
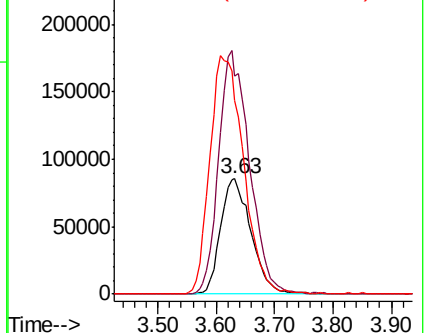
63 167.7 116.9 217.1

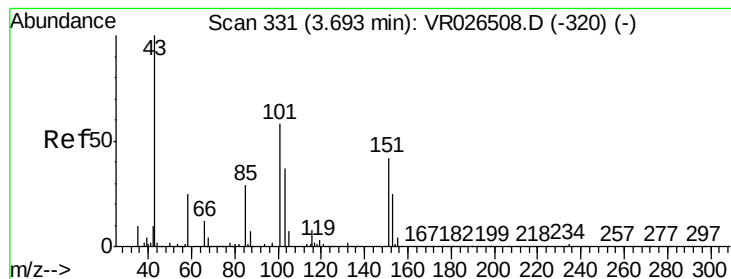


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.666 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

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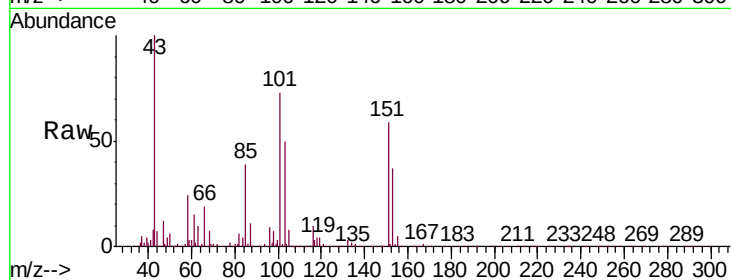
VSTD00566

Tgt Ion: 43 Resp: 241696

Ion Ratio Lower Upper

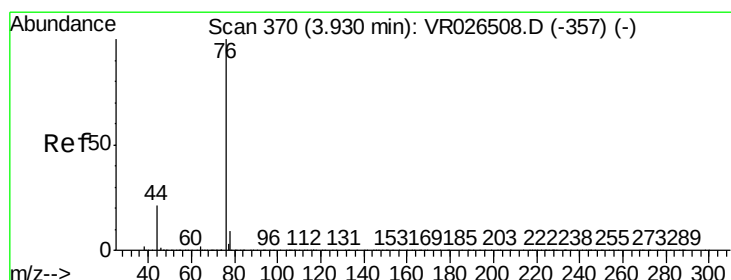
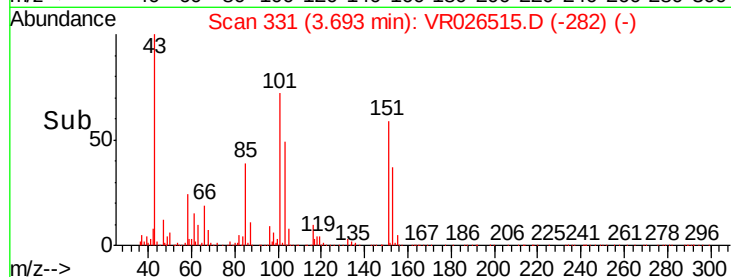
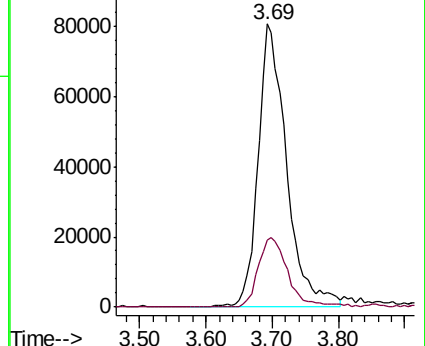
43 100

58 25.0 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.476 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026515.D

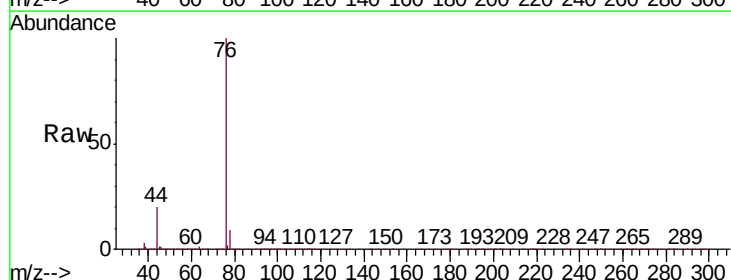
Acq: 9 Apr 2019 14:16

Tgt Ion: 76 Resp: 853399

Ion Ratio Lower Upper

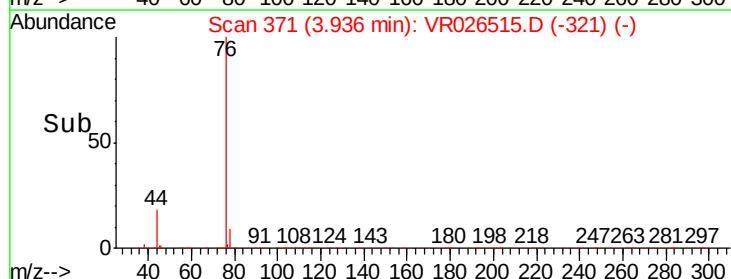
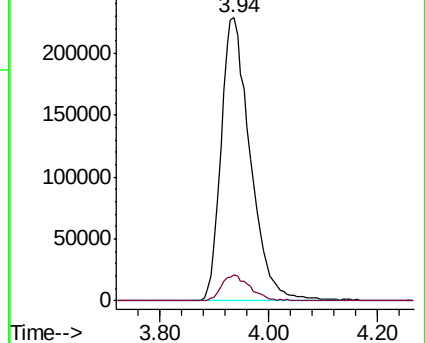
76 100

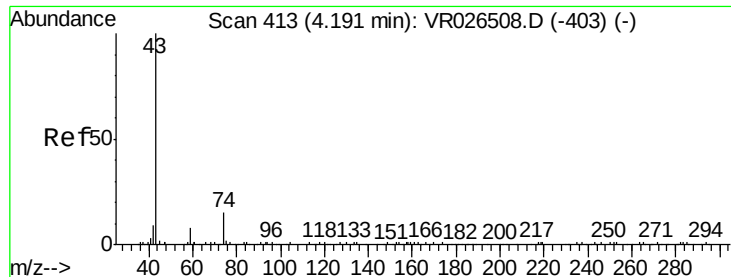
78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

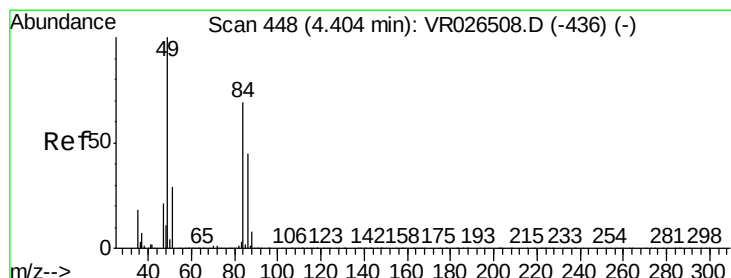
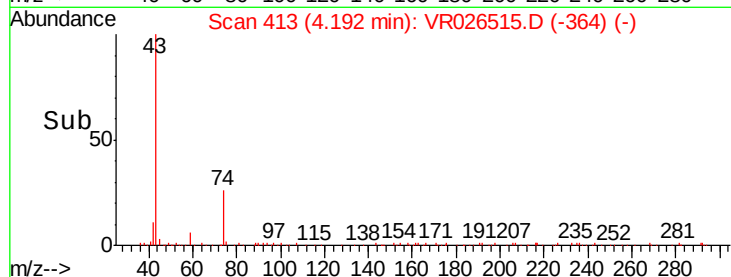
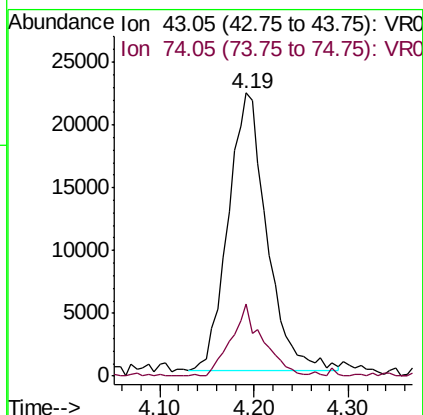
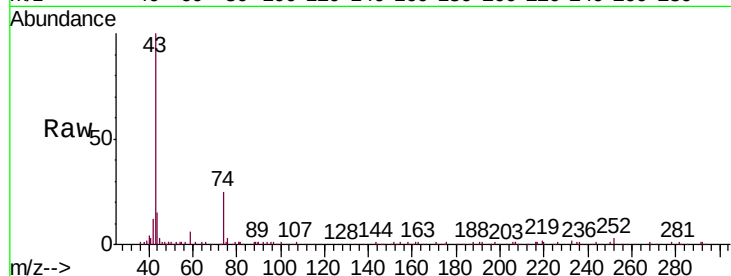




#15
Methyl Acetate
Concen: 4.593 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

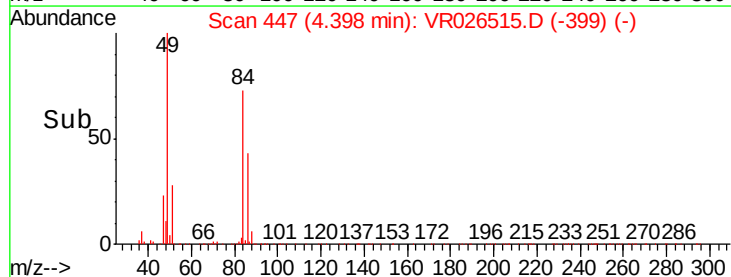
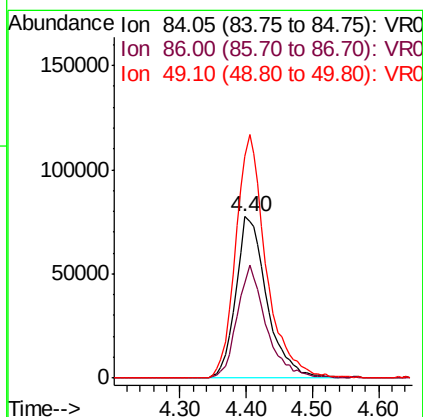
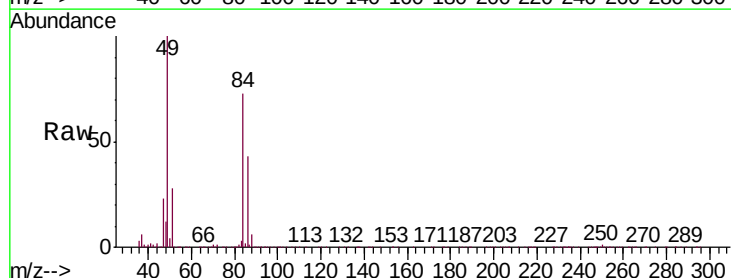
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

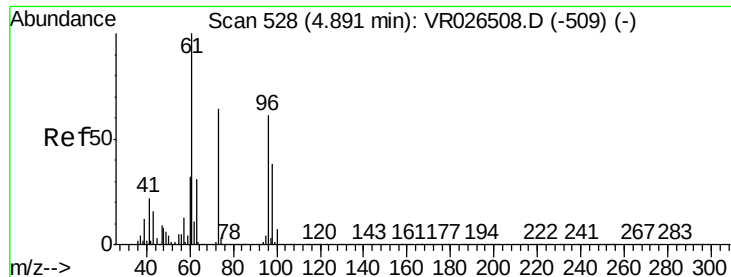
Tgt Ion: 43 Resp: 62838
Ion Ratio Lower Upper
43 100
74 21.5 17.5 26.3



#16
Methylene chloride
Concen: 4.329 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion: 84 Resp: 252818
Ion Ratio Lower Upper
84 100
86 59.0 45.6 84.6
49 137.6 106.5 197.9



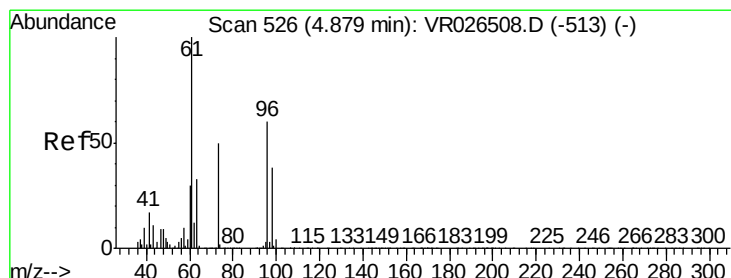
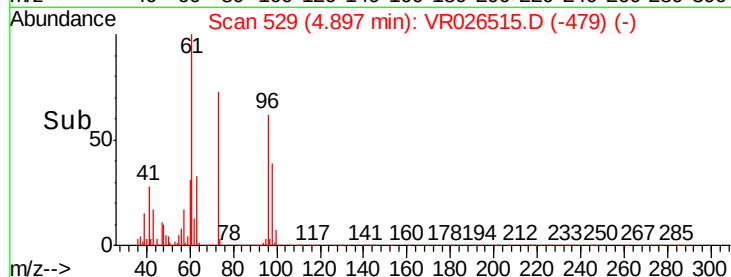
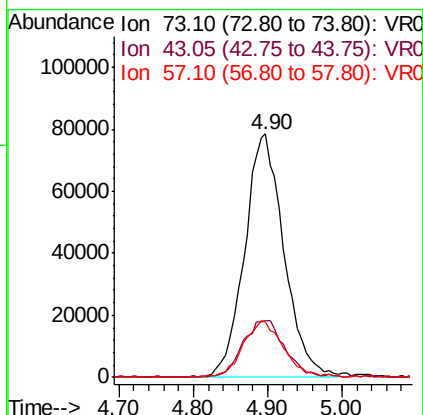
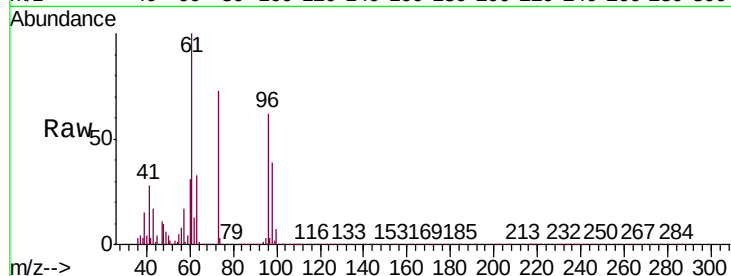


#17

Methyl tert-butyl Ether
 Concen: 3.879 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

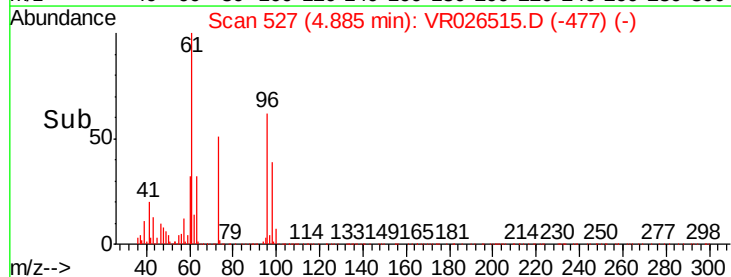
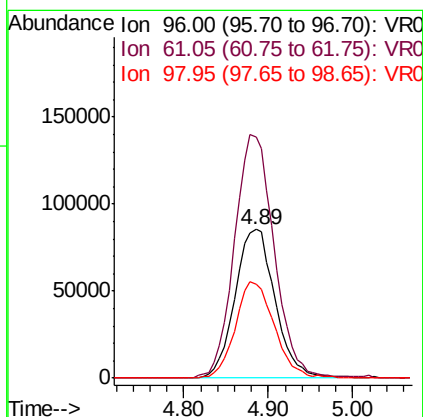
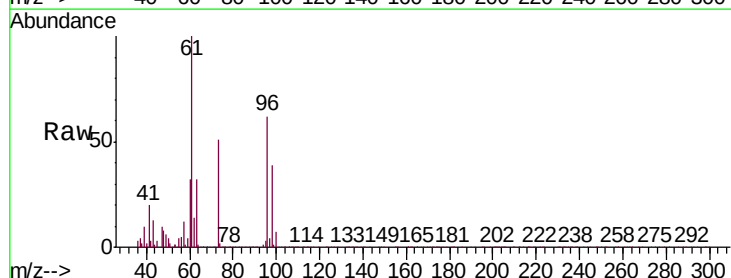
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.8	19.8	29.8
57	23.9	18.9	28.3

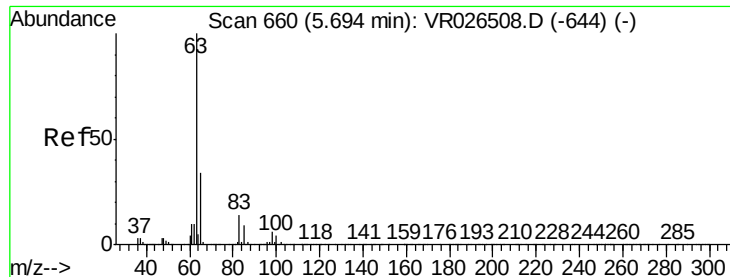


#18

trans-1,2-Dichloroethene
 Concen: 4.424 ug/L
 RT: 4.89 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	122.9	228.3
98	63.5	45.2	84.0

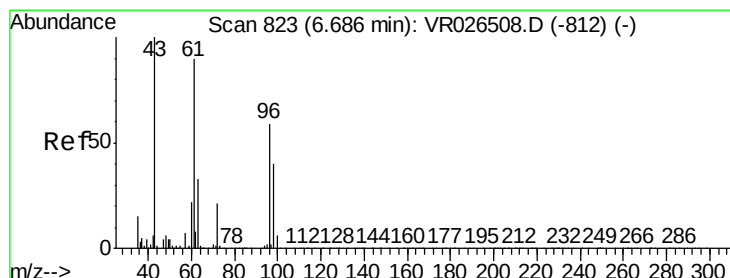
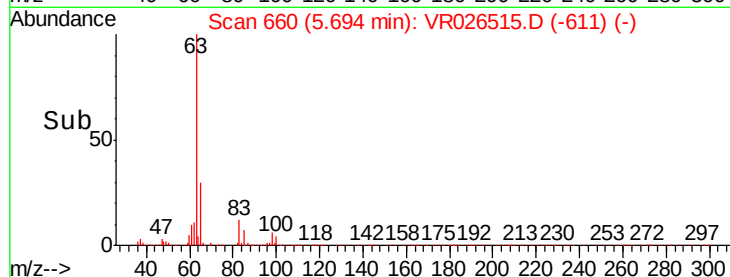
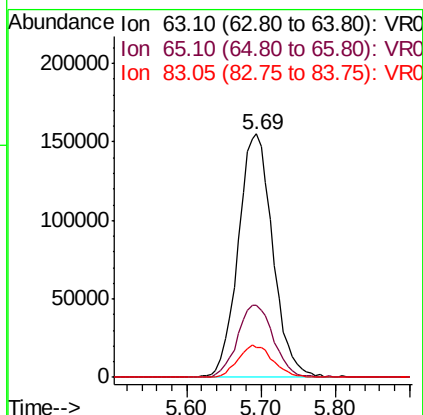
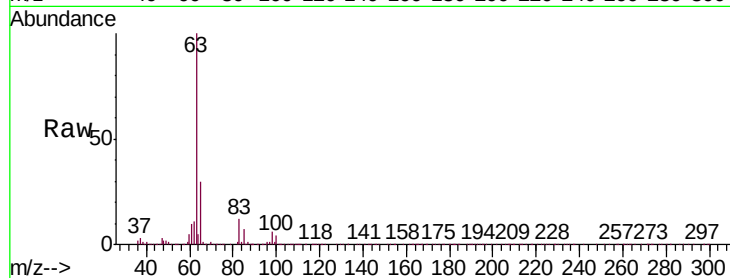




#19
 1,1-Dichloroethane
 Concen: 4.366 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

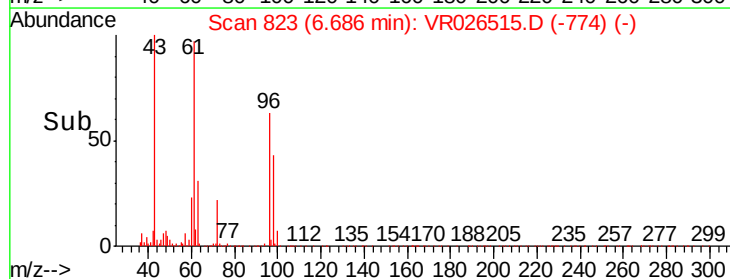
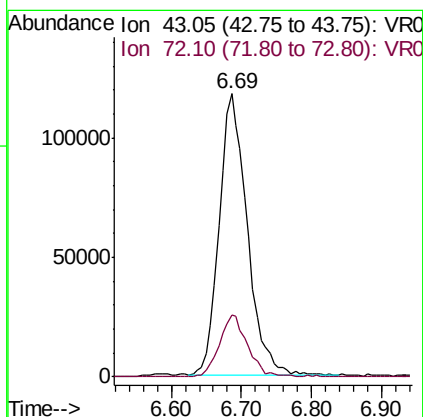
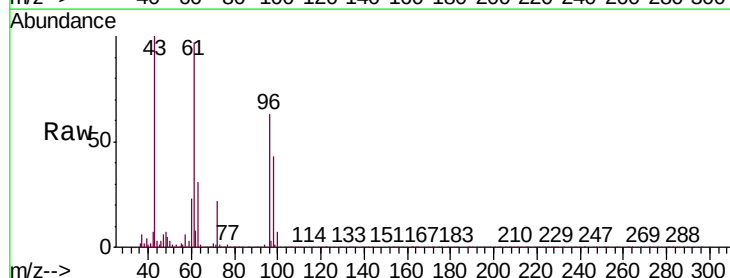
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

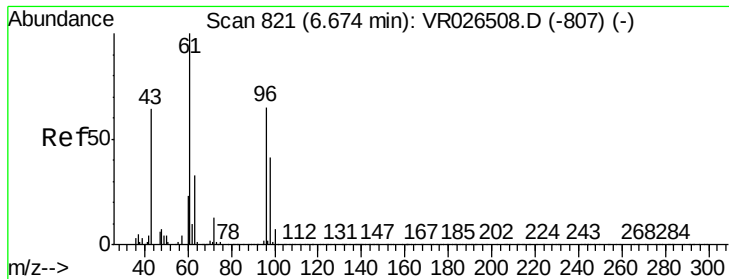
Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.9	22.0	40.8
83	12.3	8.2	15.2



#21
 2-Butanone
 Concen: 50.454 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	11.1	33.3



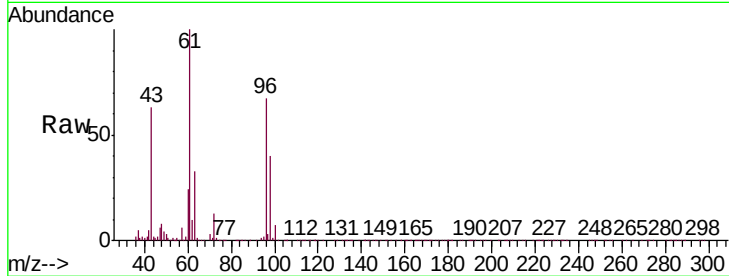


#22

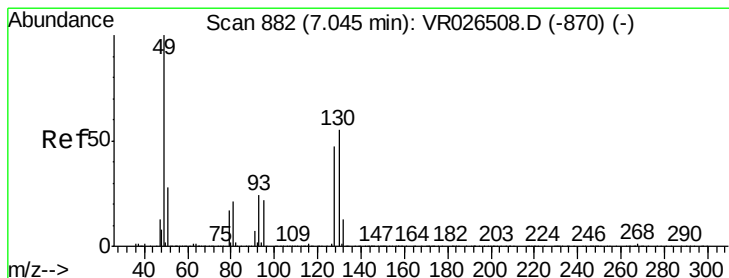
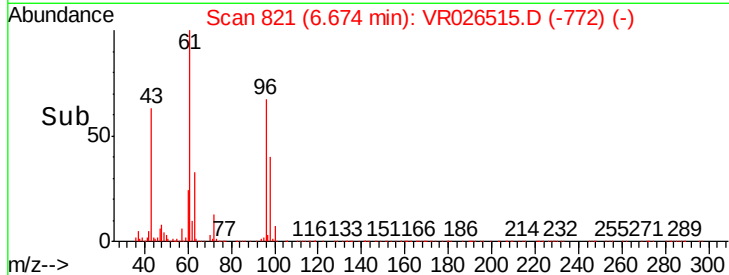
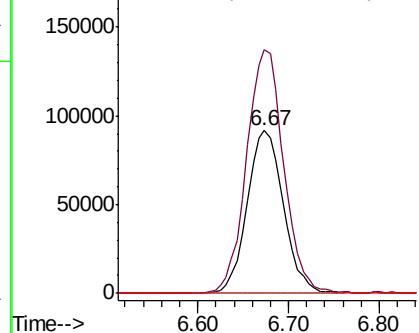
cis-1,2-Dichloroethene
Concen: 4.921 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

Tgt Ion: 96 Resp: 253682
Ion Ratio Lower Upper
96 100
61 149.7 115.0 213.6
68 0.0 0.0 0.0



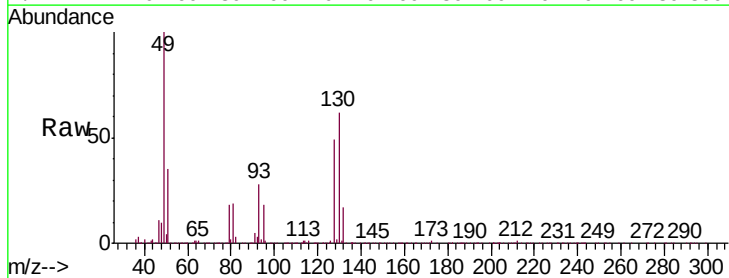
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



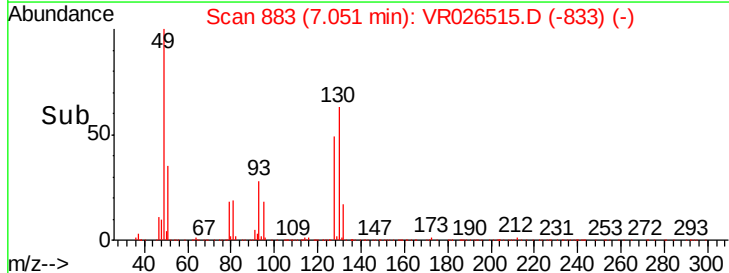
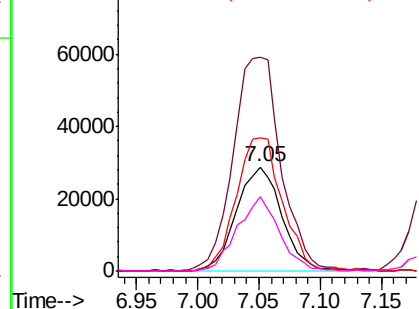
#23

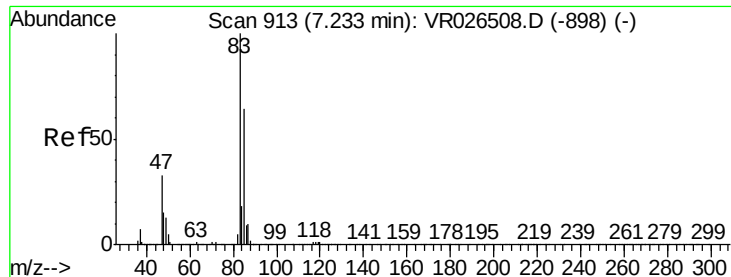
Bromochloromethane
Concen: 4.596 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion: 128 Resp: 73823
Ion Ratio Lower Upper
128 100
49 205.6 158.3 293.9
130 127.9 90.0 167.2
51 71.3 51.8 77.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0

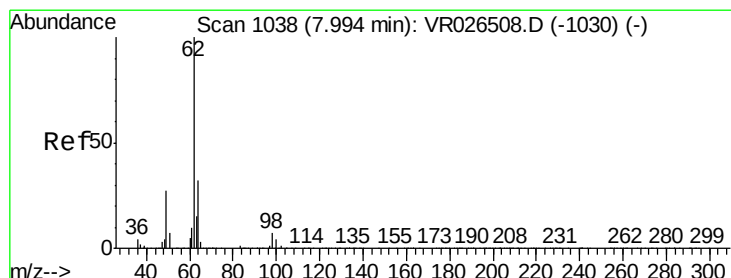
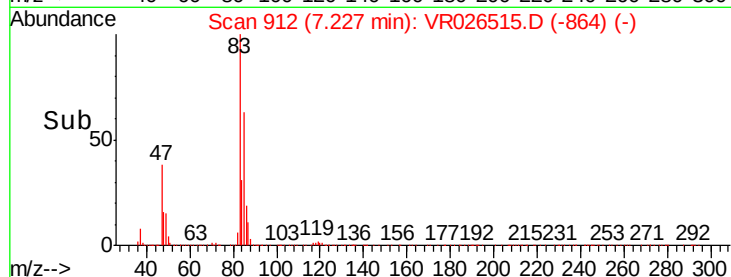
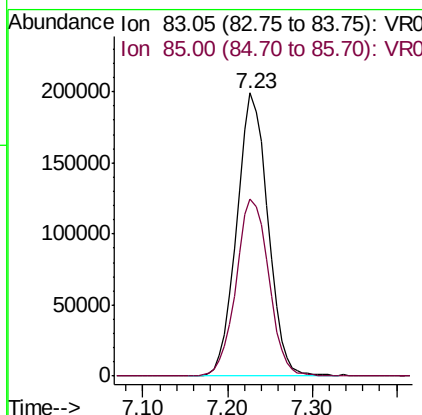
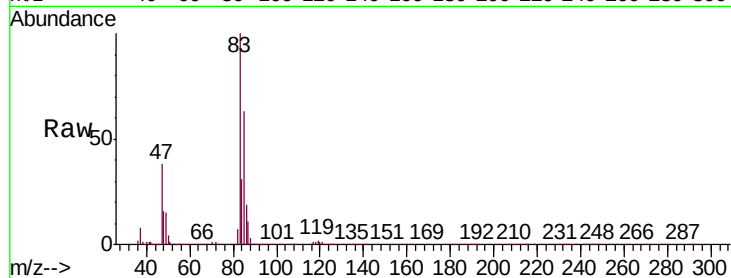




#25
Chloroform
Concen: 4.506 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

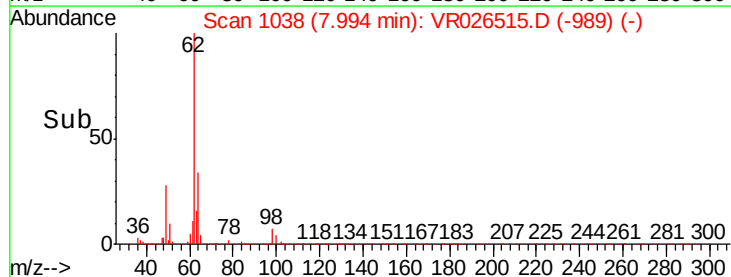
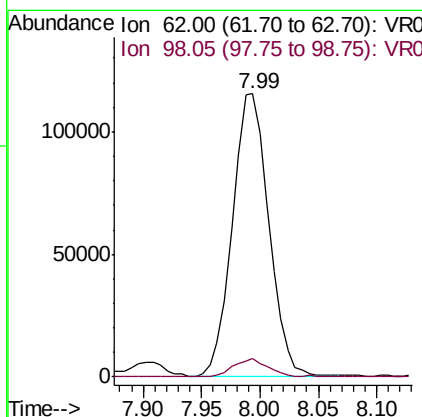
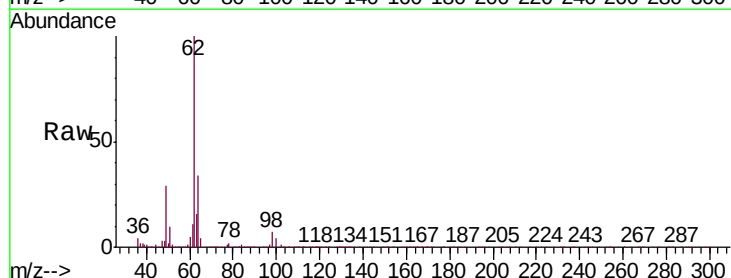
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

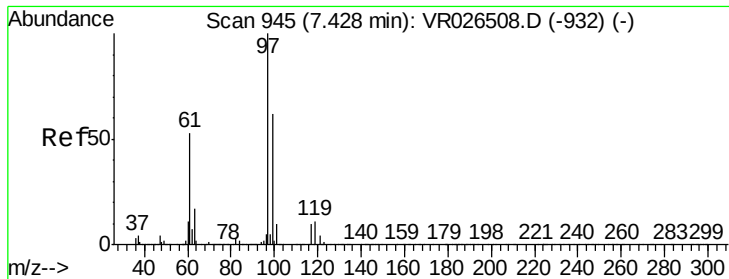
Tgt Ion: 83 Resp: 496504
Ion Ratio Lower Upper
83 100
85 62.7 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.564 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion: 62 Resp: 250791
Ion Ratio Lower Upper
62 100
98 6.5 4.8 7.2

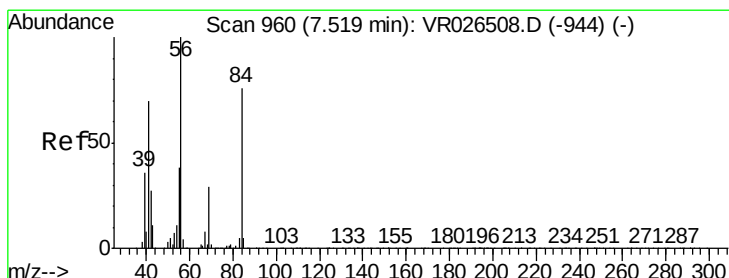
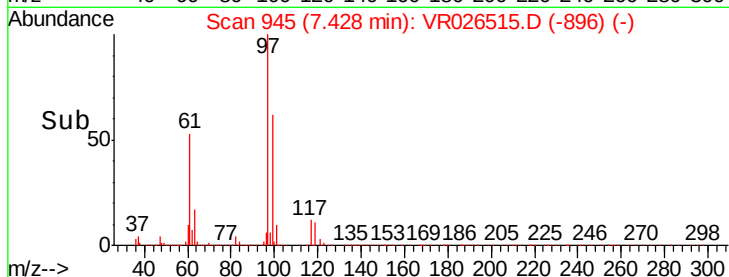
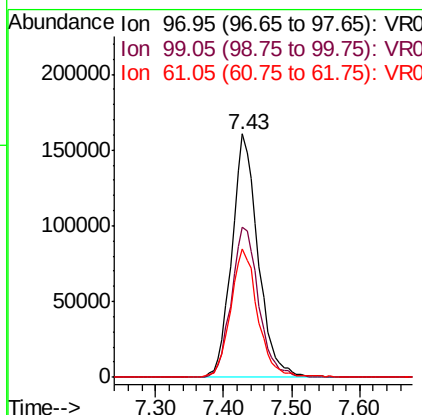
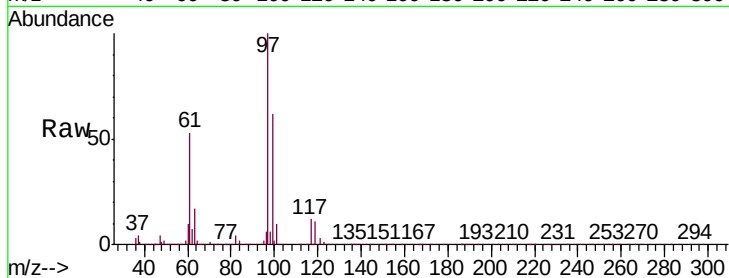




#29
1,1,1-Trichloroethane
Concen: 4.155 ug/L
RT: 7.43 min Scan# 945
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

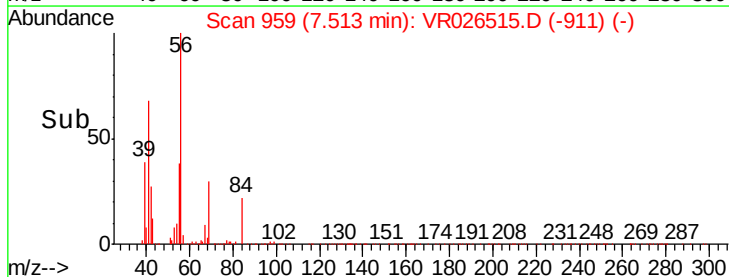
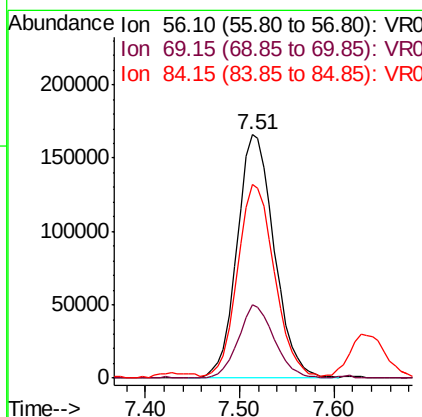
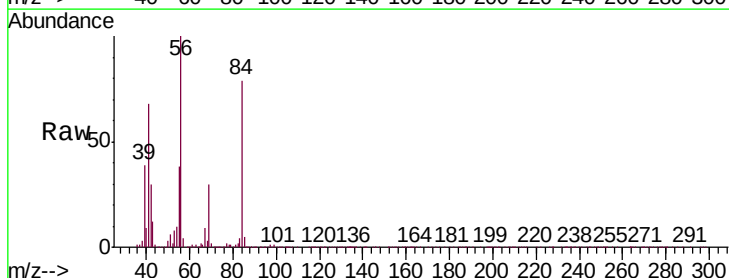
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

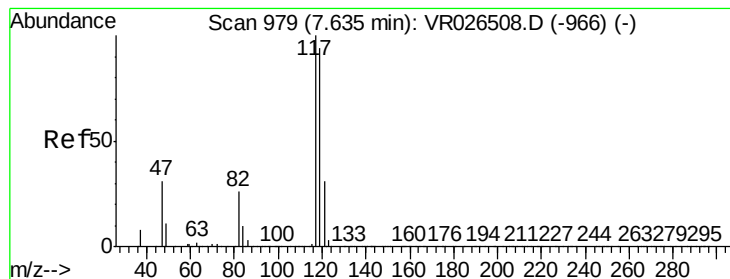
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	49.6	74.4
61	54.7	41.8	62.6



#30
Cyclohexane
Concen: 4.778 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.6	33.8
84	79.0	59.6	89.4





#31

Carbon tetrachloride

Concen: 4.440 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

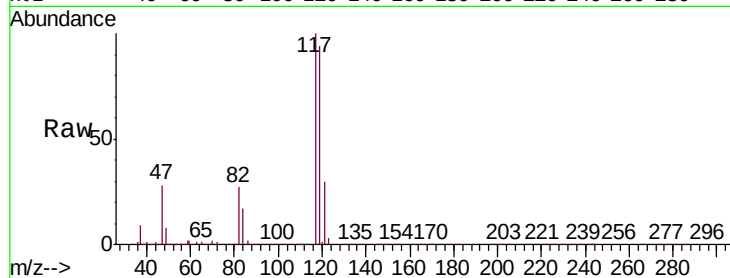
VSTD00566

Tgt Ion:117 Resp: 433207

Ion Ratio Lower Upper

117 100

119 98.1 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

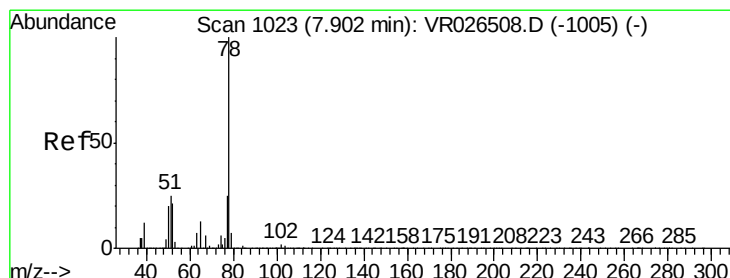
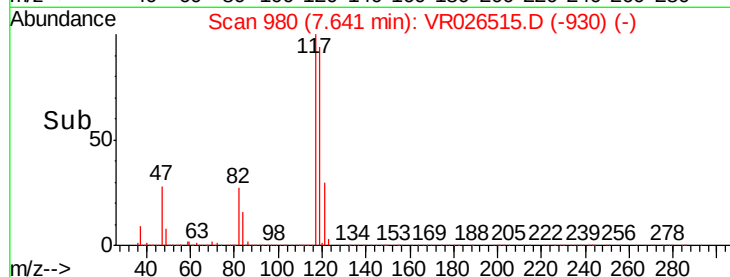
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.658 ug/L

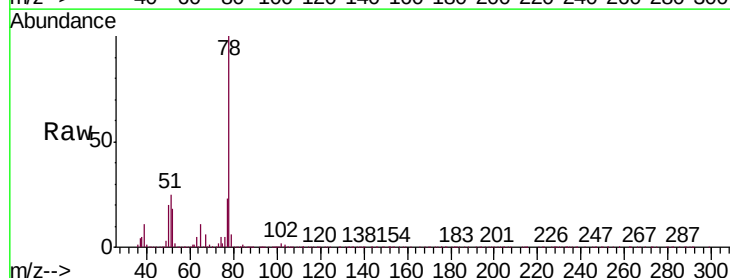
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Tgt Ion: 78 Resp: 1135860



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

600000

500000

400000

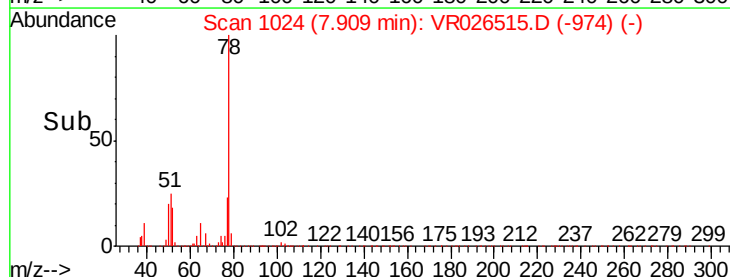
300000

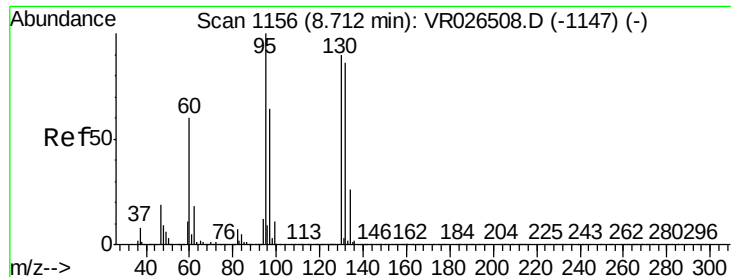
200000

100000

0

Time-->

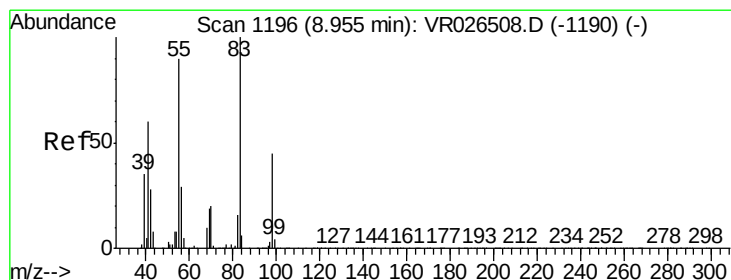
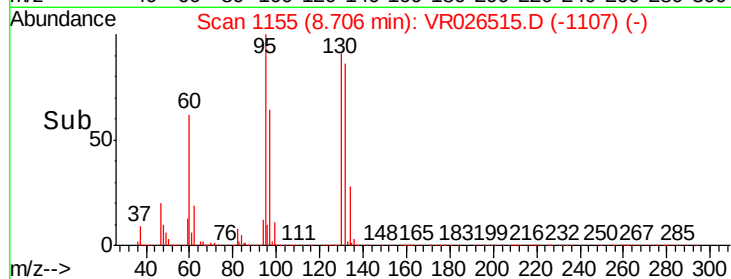
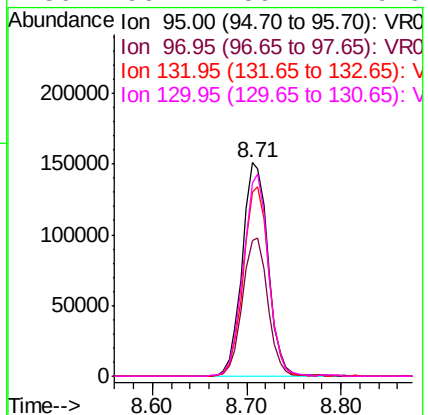
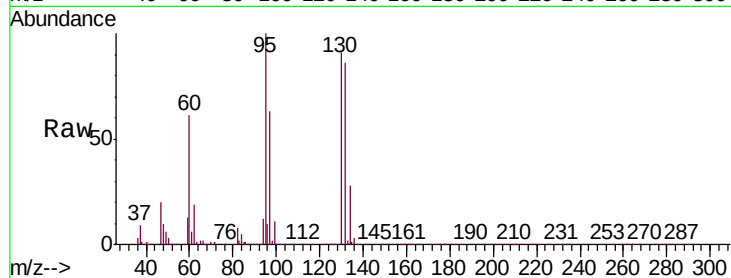




#34
 Trichloroethene
 Concen: 4.446 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

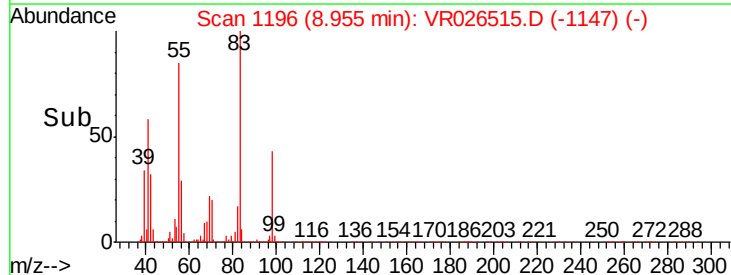
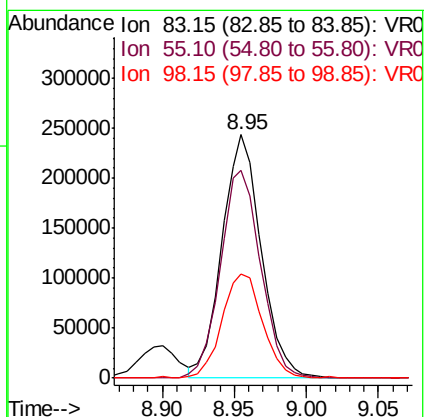
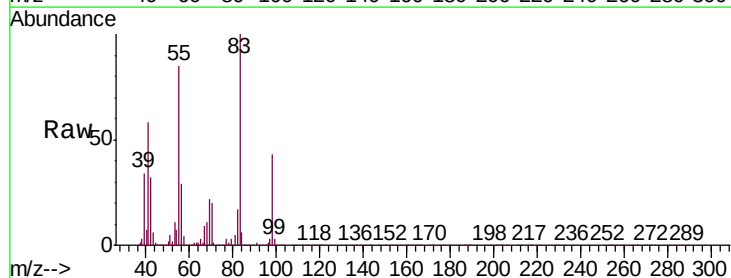
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

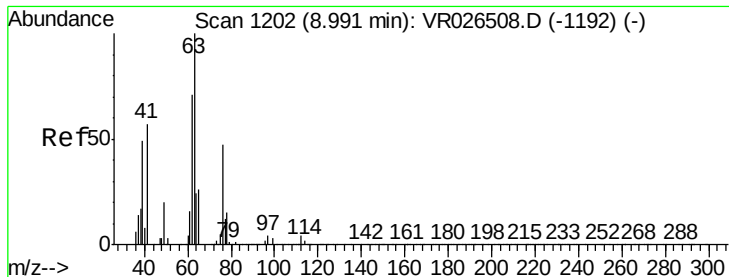
Tgt Ion:	95	Resp:	290410
Ion	Ratio	Lower	Upper
95	100		
97	63.5	43.8	81.3
132	86.4	57.2	106.2
130	90.7	59.7	110.9



#35
 Methylcyclohexane
 Concen: 4.932 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion:	83	Resp:	459402
Ion	Ratio	Lower	Upper
83	100		
55	88.2	73.8	110.6
98	44.8	34.6	51.8

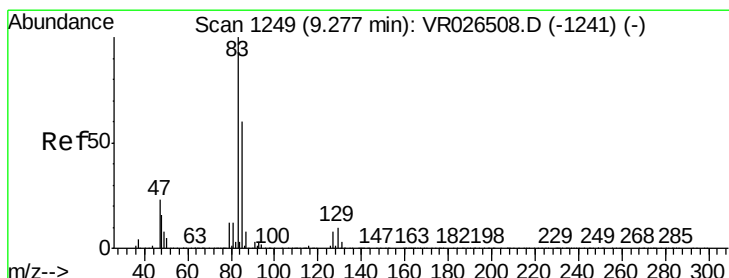
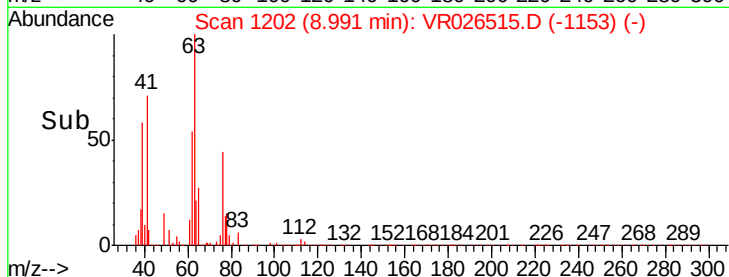
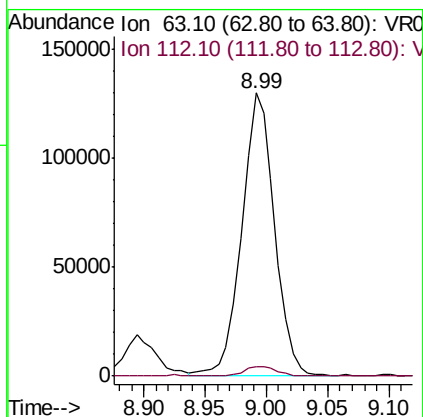
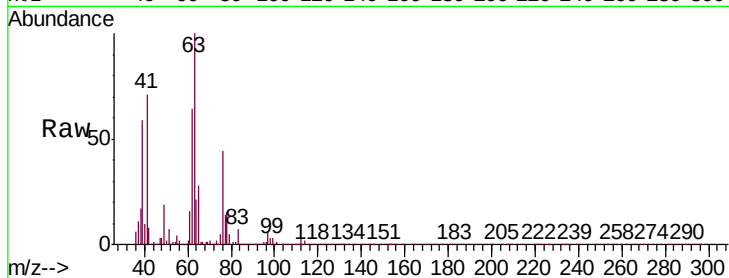




#37
 1,2-Dichloropropane
 Concen: 4.473 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

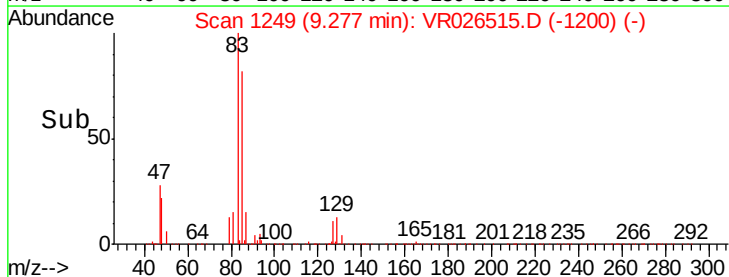
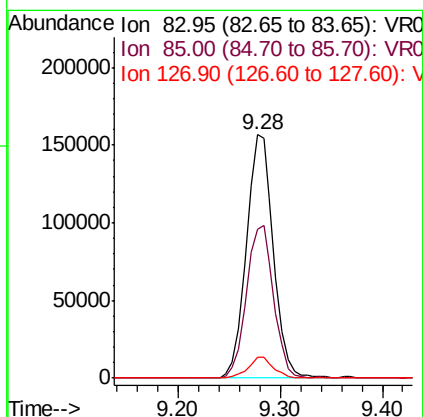
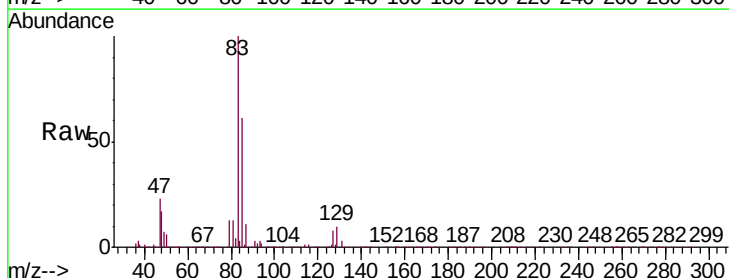
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00566

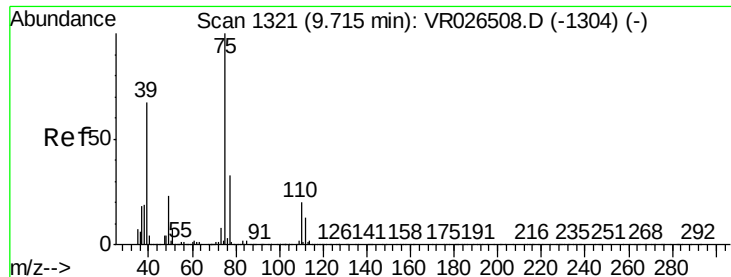
Tgt Ion: 63 Resp: 239063
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.658 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion: 83 Resp: 287657
 Ion Ratio Lower Upper
 83 100
 85 61.4 46.6 86.6
 127 8.4 5.6 8.4#

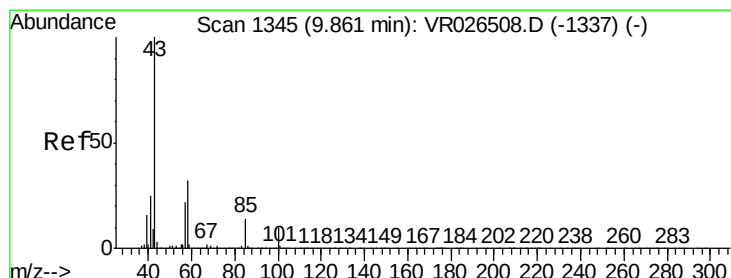
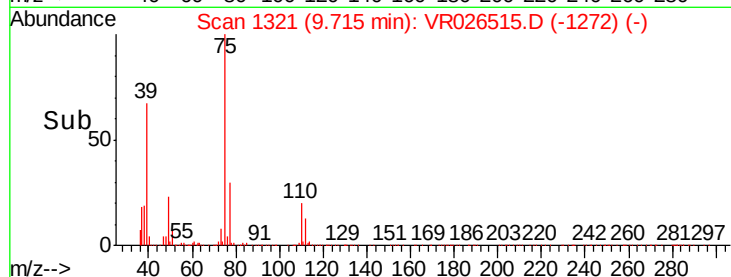
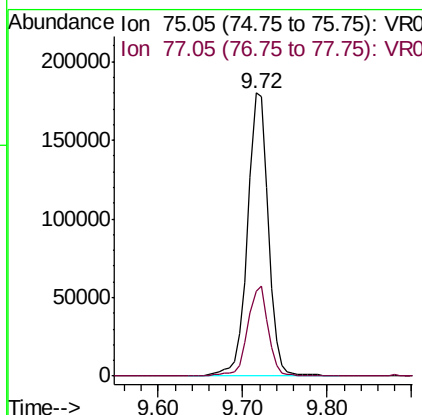
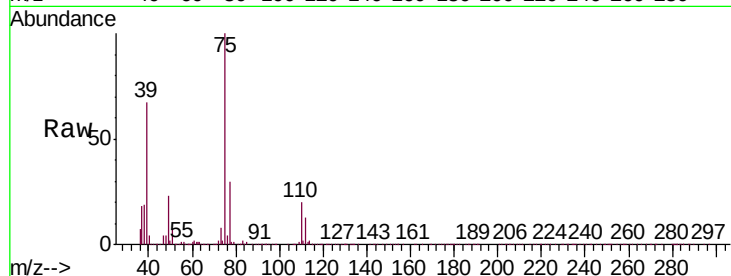




#39
 cis-1,3-Dichloropropene
 Concen: 5.123 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

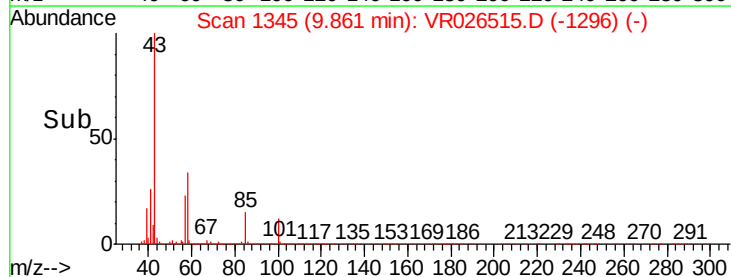
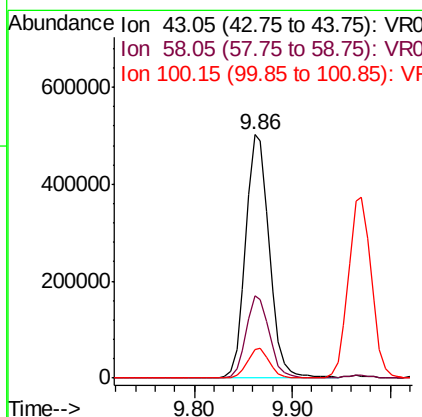
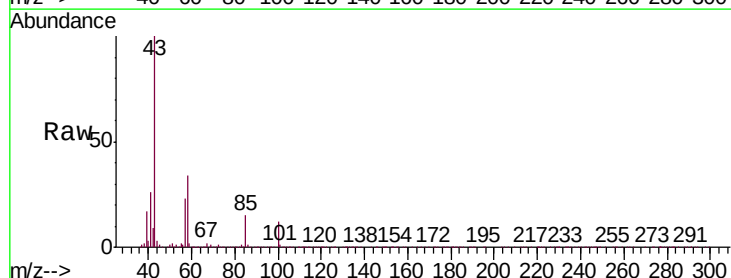
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

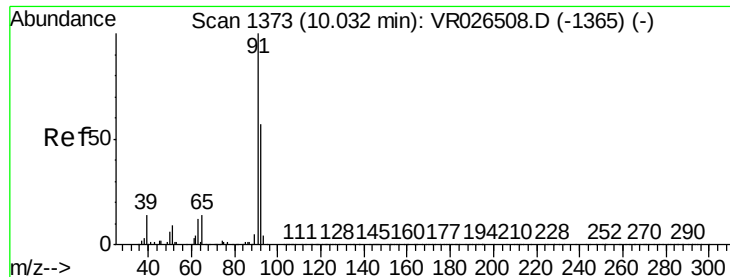
Tgt Ion: 75 Resp: 297176
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.847 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion: 43 Resp: 843205
 Ion Ratio Lower Upper
 43 100
 58 33.2 27.0 40.4
 100 11.4 8.9 13.3





#42

Toluene

Concen: 4.938 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

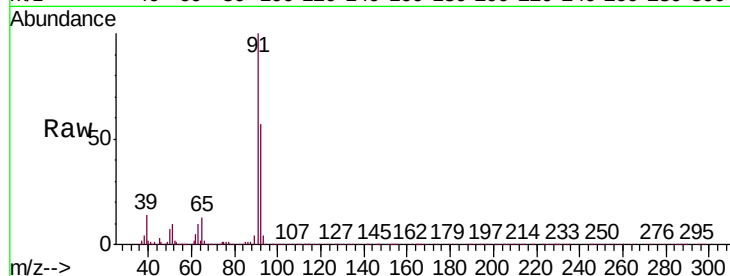
VSTD00566

Tgt Ion: 91 Resp: 1233989

Ion Ratio Lower Upper

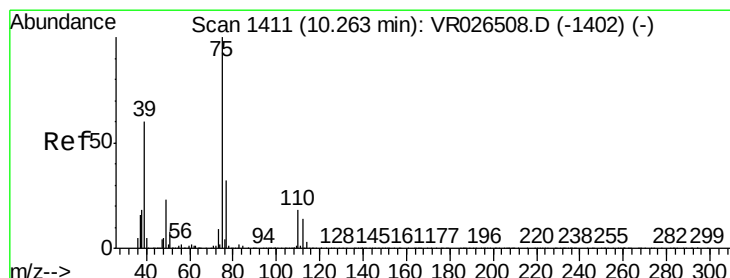
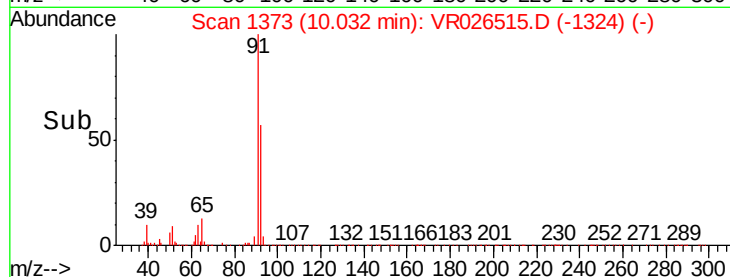
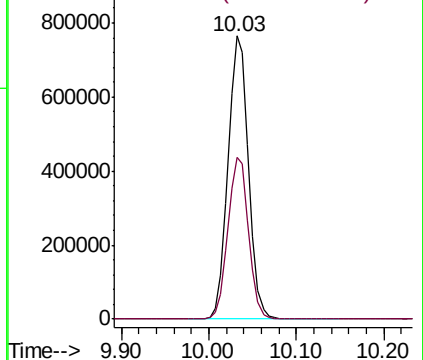
91 100

92 57.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 4.879 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026515.D

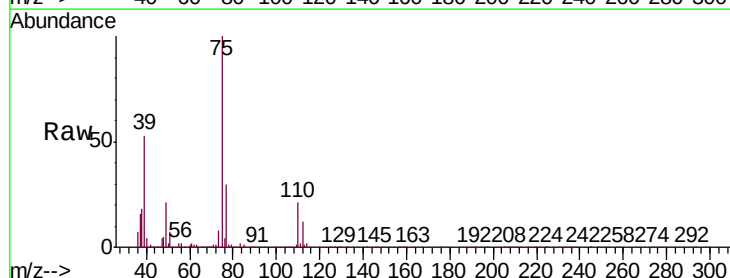
Acq: 9 Apr 2019 14:16

Tgt Ion: 75 Resp: 206444

Ion Ratio Lower Upper

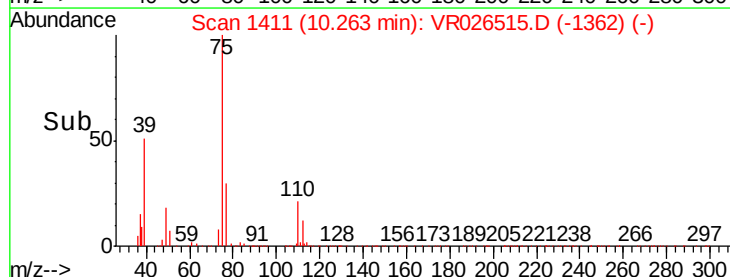
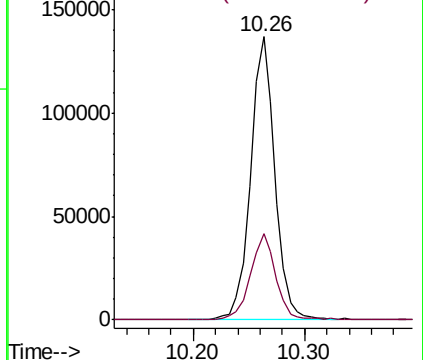
75 100

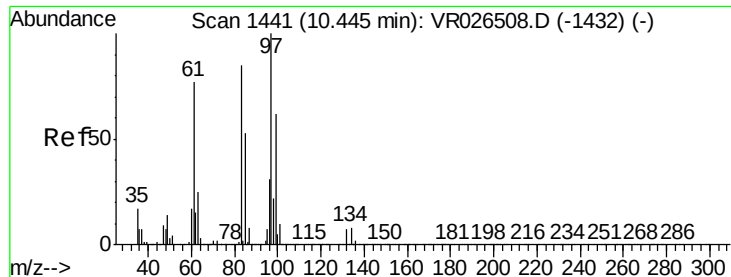
77 30.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

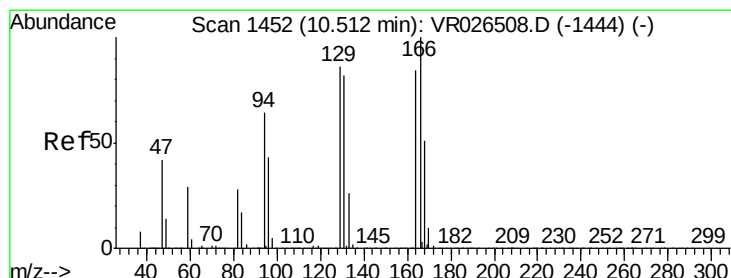
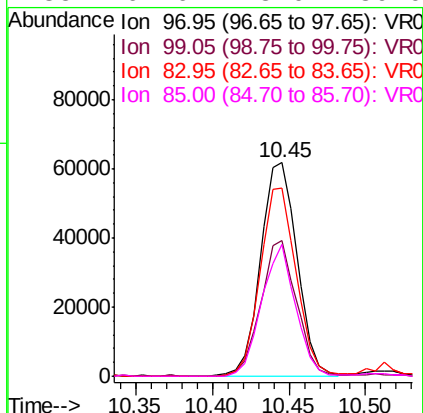
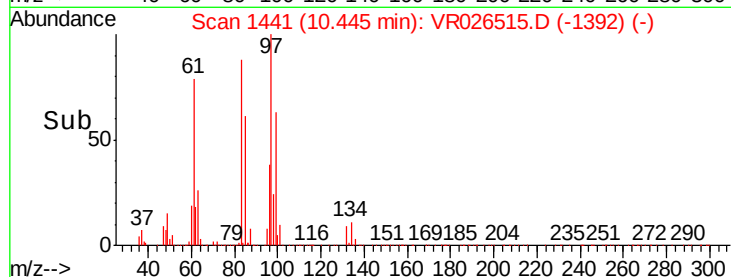
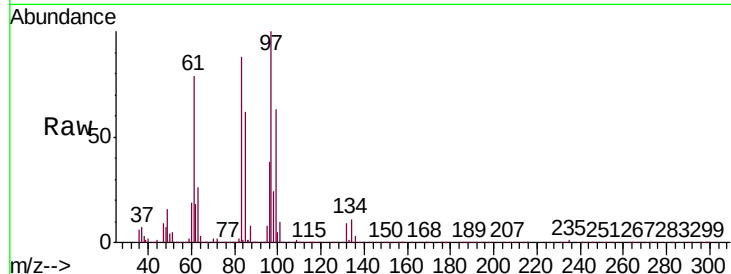




#45
 1,1,2-Trichloroethane
 Concen: 4.722 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

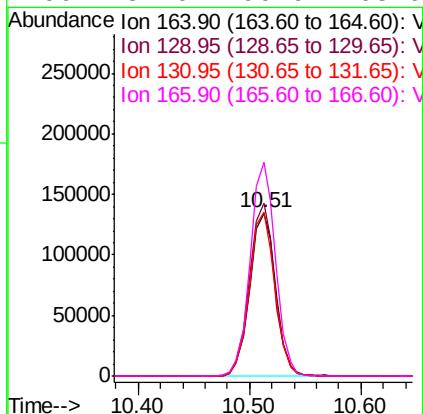
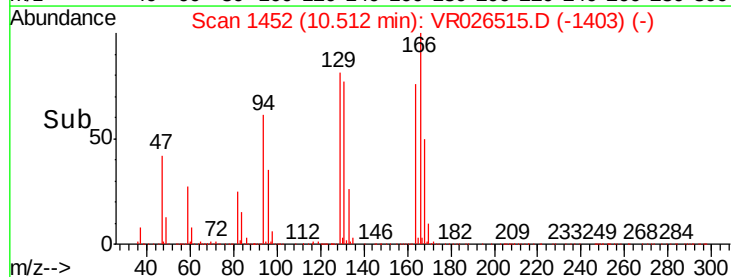
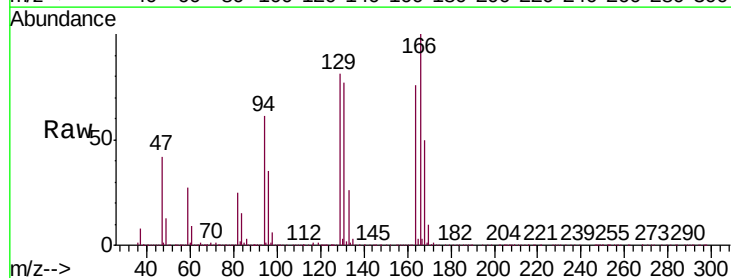
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

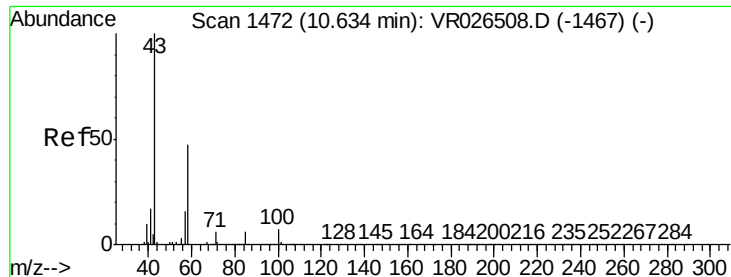
Tgt Ion:	97	Resp:	102072
Ion	Ratio	Lower	Upper
97	100		
99	63.3	41.7	77.5
83	88.2	59.5	110.5
85	61.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 4.653 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion:	164	Resp:	216301
Ion	Ratio	Lower	Upper
164	100		
129	106.2	74.1	137.5
131	100.9	71.3	132.5
166	131.0	90.9	168.9

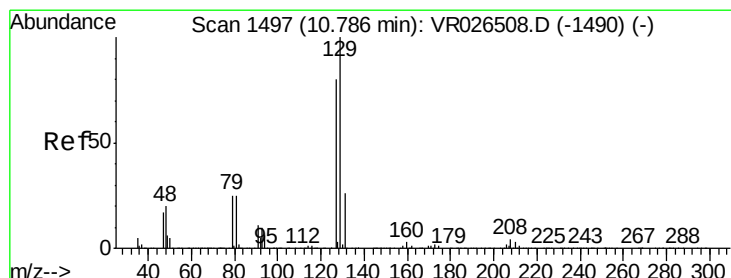
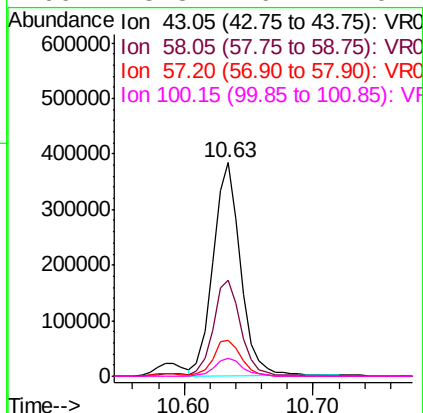
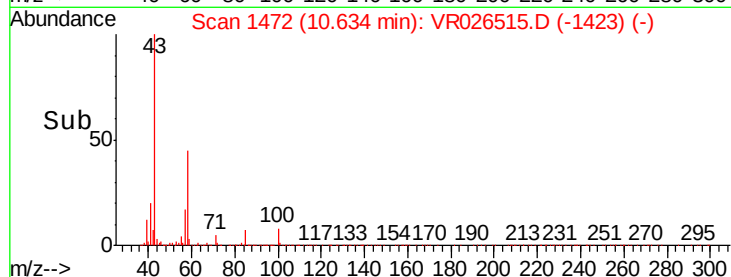
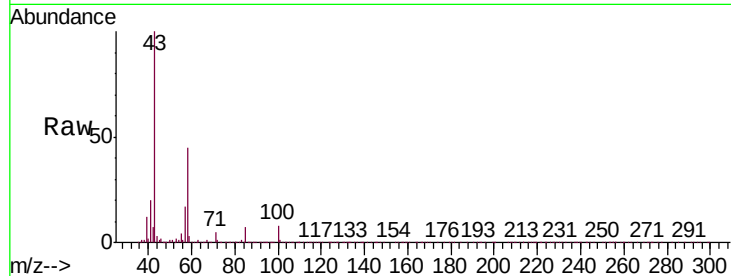




#48
2-Hexanone
Concen: 55.164 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

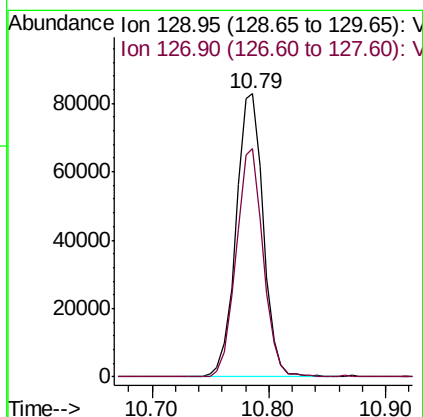
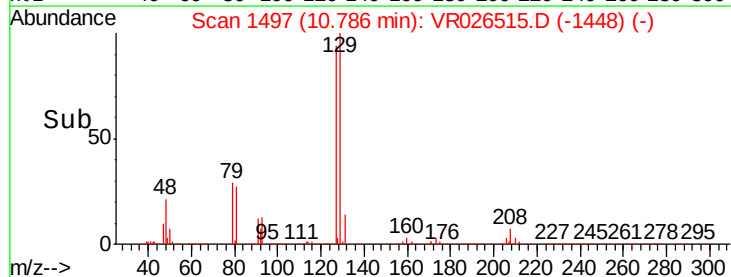
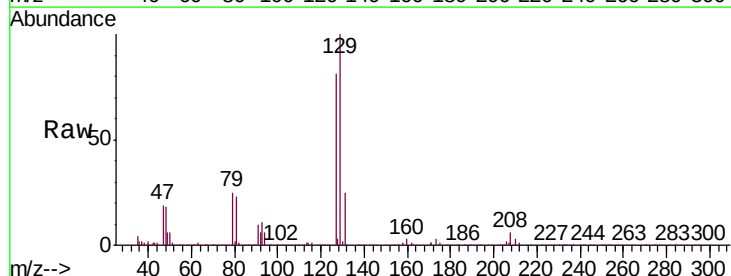
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

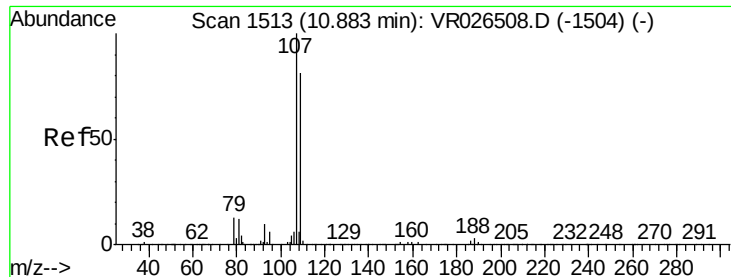
Tgt Ion: 43 Resp: 574572
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.2
57 17.4 13.8 20.6
100 8.8 6.2 9.2



#49
Dibromochloromethane
Concen: 4.727 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion: 129 Resp: 133855
Ion Ratio Lower Upper
129 100
127 80.7 50.2 93.2

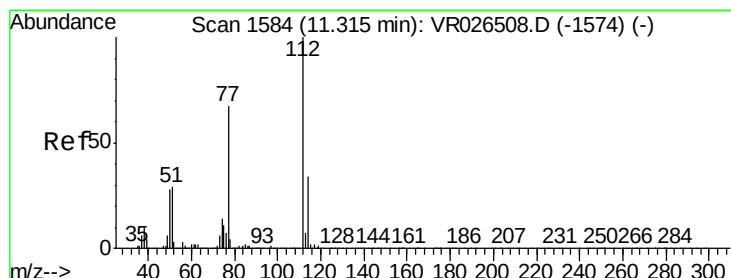
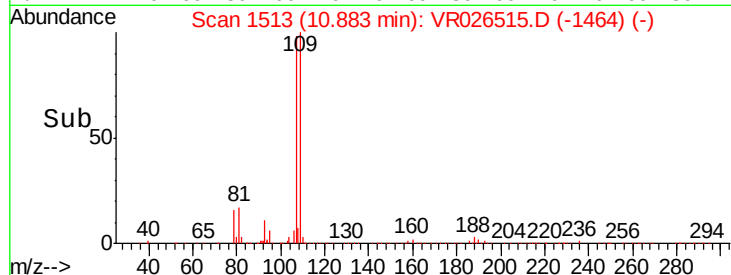
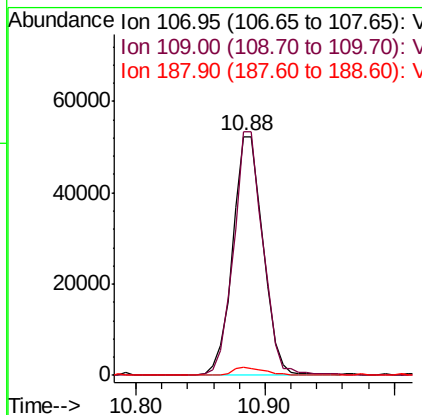
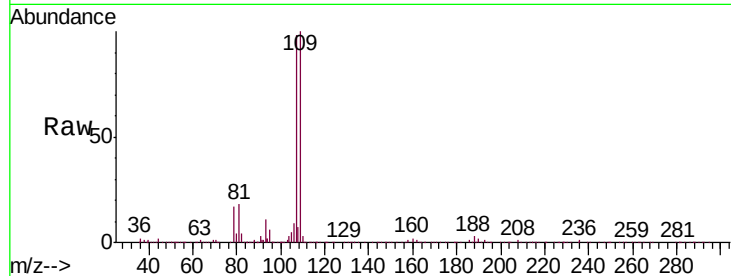




#50
1,2-Dibromoethane
Concen: 4.605 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

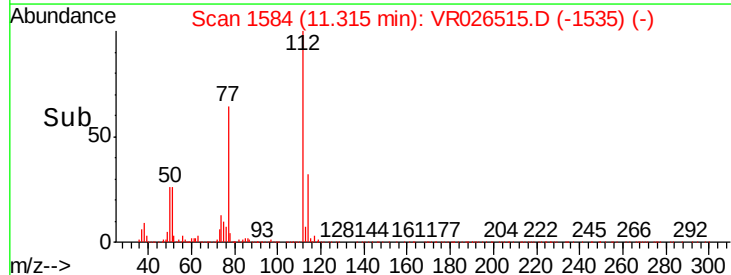
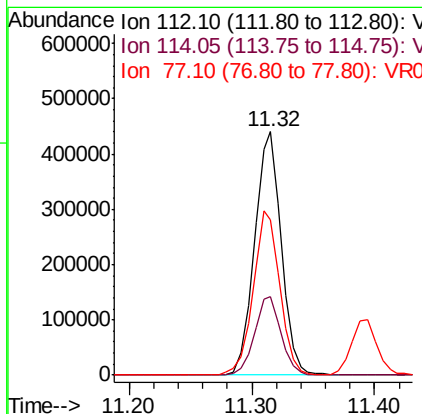
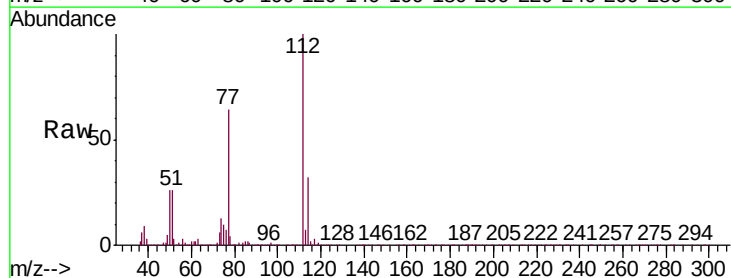
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

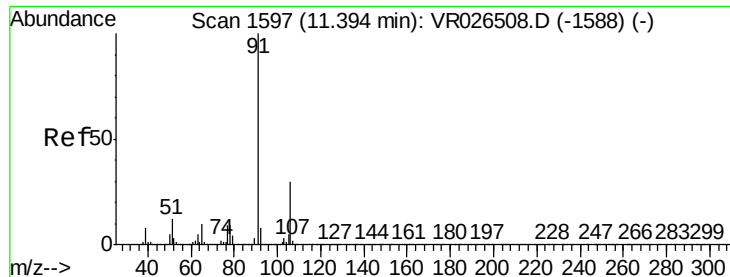
Tgt Ion:107 Resp: 85618
Ion Ratio Lower Upper
107 100
109 102.0 66.8 124.2
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 4.762 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion:112 Resp: 667799
Ion Ratio Lower Upper
112 100
114 32.3 23.1 42.9
77 63.8 53.8 80.8





#52

Ethylbenzene

Concen: 4.960 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

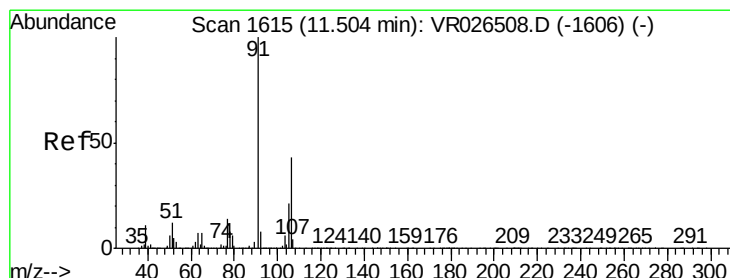
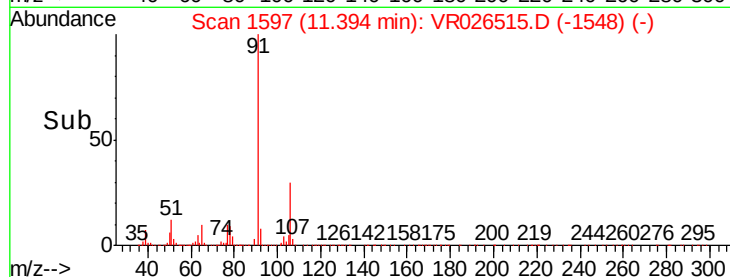
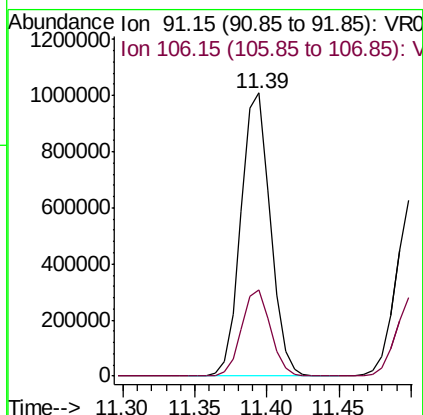
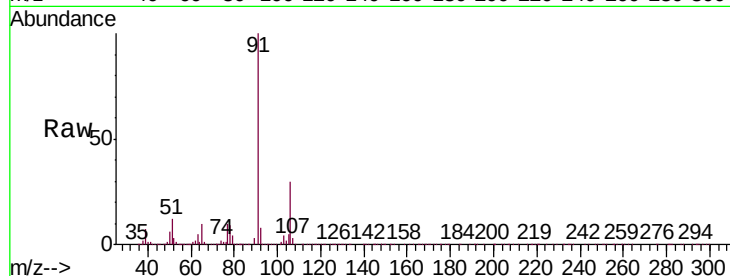
VSTD00566

Tgt Ion: 91 Resp: 1427925

Ion Ratio Lower Upper

91 100

106 30.4 20.7 38.5



#53

m,p-Xylene

Concen: 4.977 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026515.D

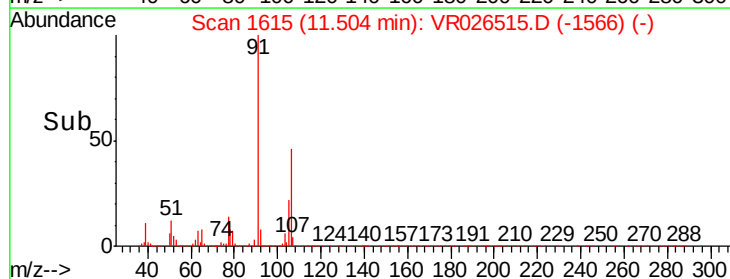
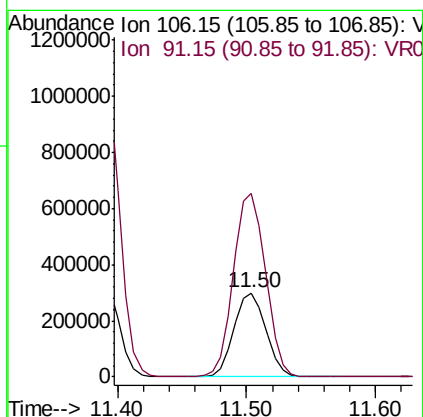
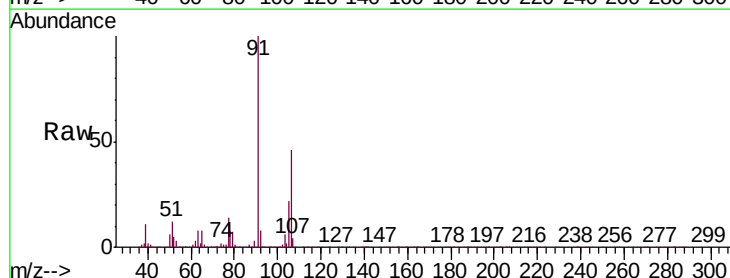
Acq: 9 Apr 2019 14:16

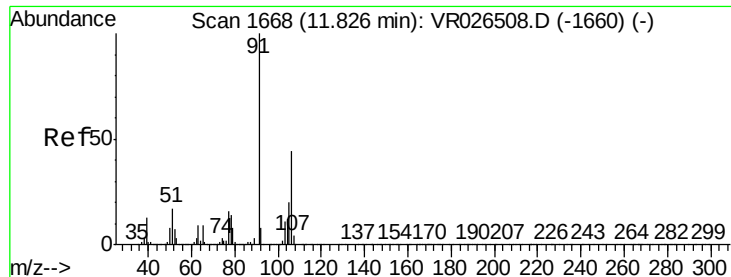
Tgt Ion: 106 Resp: 513560

Ion Ratio Lower Upper

106 100

91 217.4 155.6 289.0

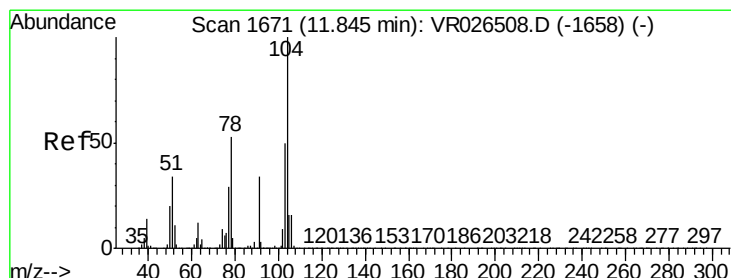
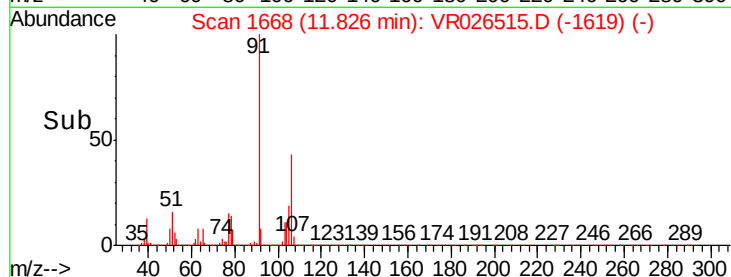
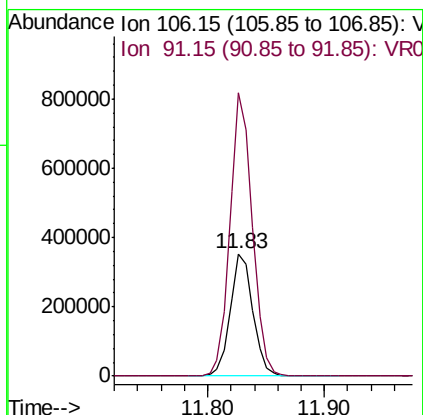
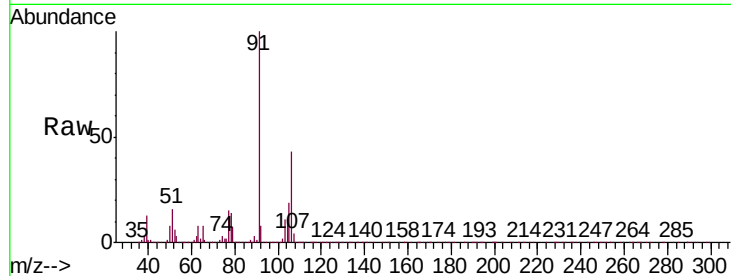




#54
o-Xylene
Concen: 5.264 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

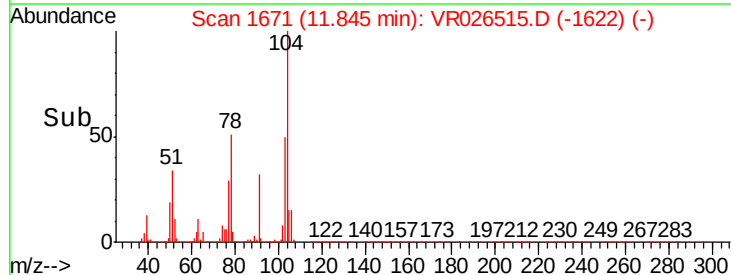
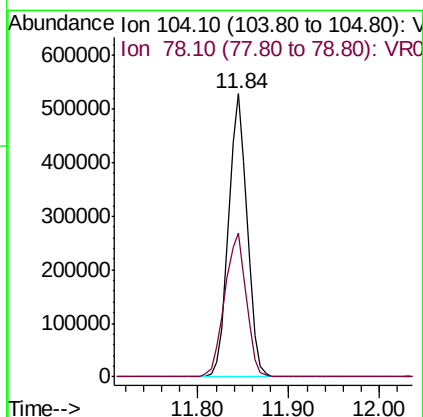
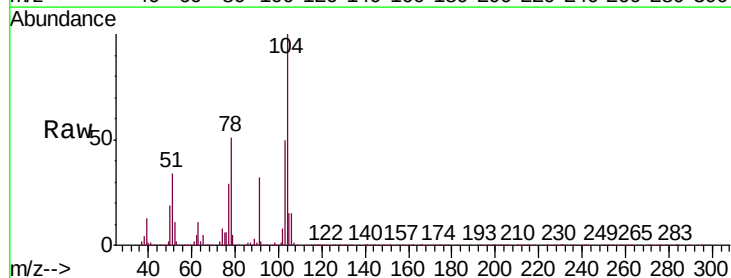
Instrument :
MSVOA_R
ClientSampleId :
VSTD00566

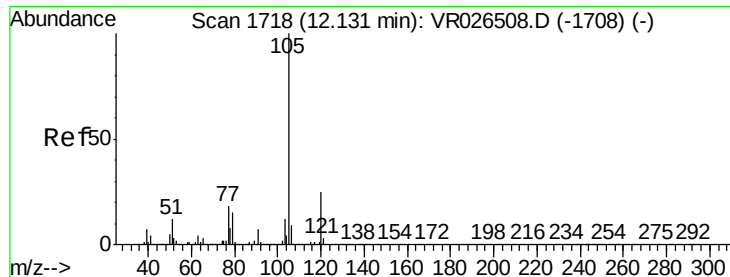
Tgt Ion:106 Resp: 477261
Ion Ratio Lower Upper
106 100
91 231.5 166.2 308.6



#55
Styrene
Concen: 5.268 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026515.D
Acq: 9 Apr 2019 14:16

Tgt Ion:104 Resp: 753970
Ion Ratio Lower Upper
104 100
78 50.7 35.2 65.4





#56

Isopropylbenzene

Concen: 5.248 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampled :

VSTD00566

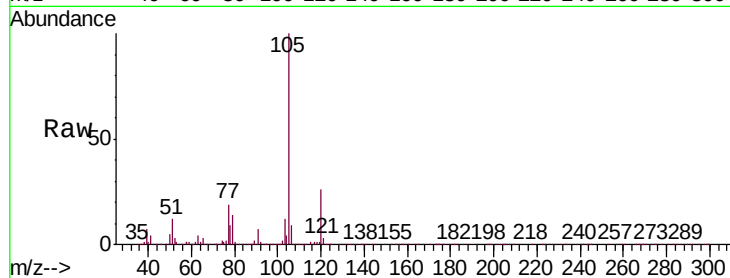
Tgt Ion: 105 Resp: 1350428

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.2

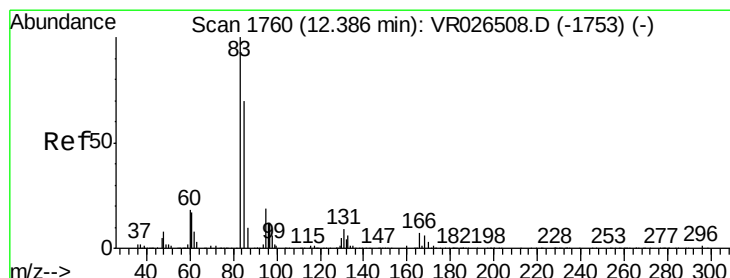
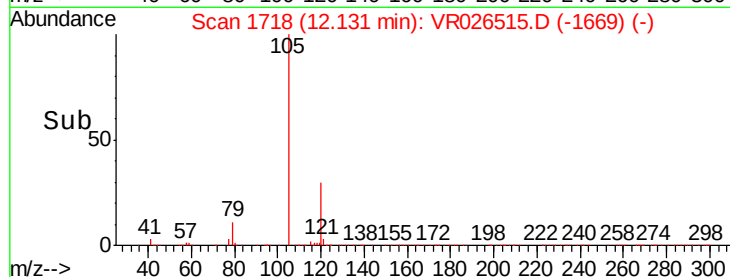
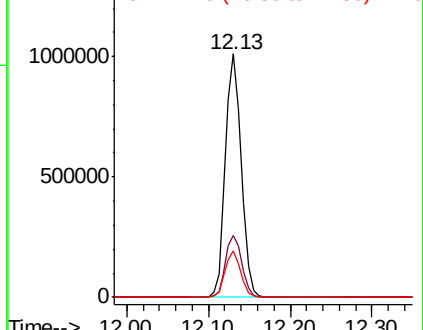
77 18.5 14.7 22.1



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: 4.833 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

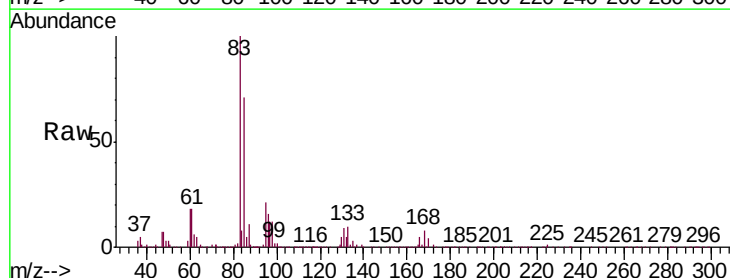
Tgt Ion: 83 Resp: 101450

Ion Ratio Lower Upper

83 100

85 71.0 45.1 83.7

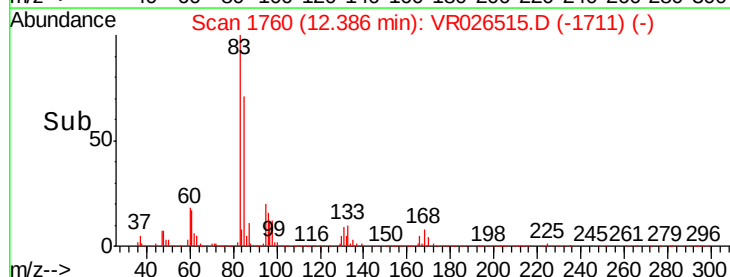
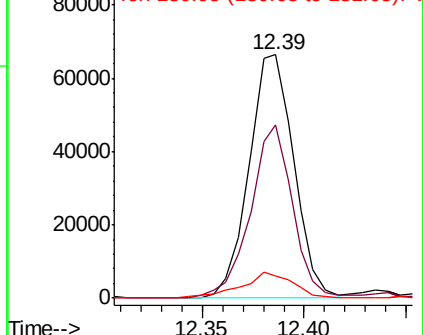
131 8.9 6.9 10.3

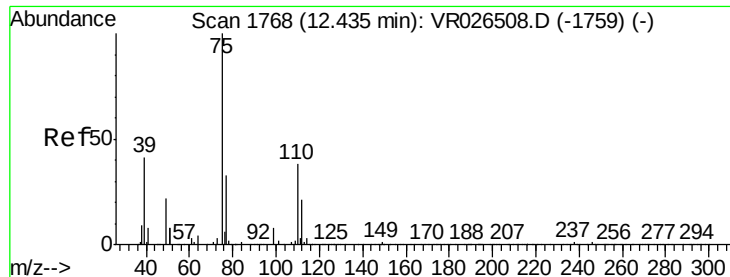


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

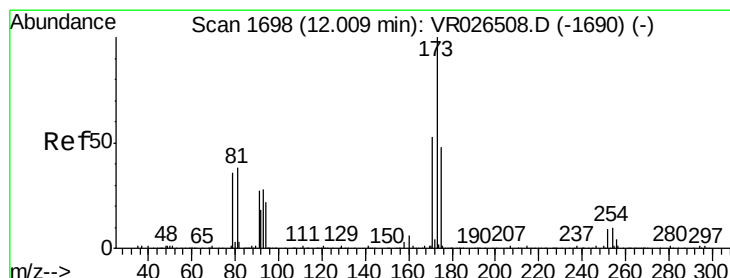
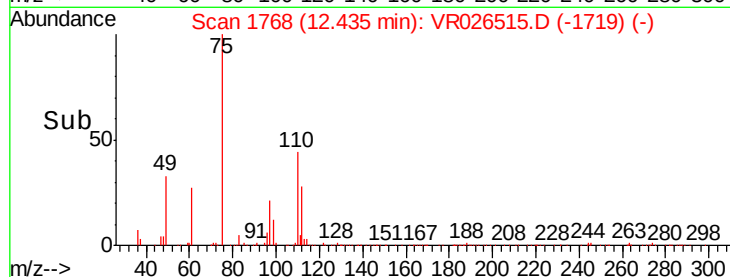
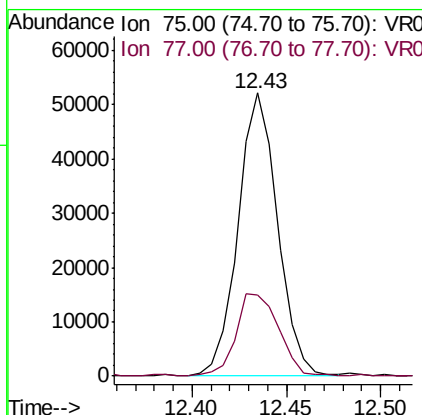
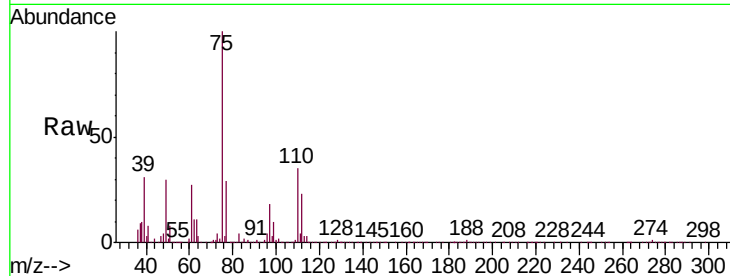




#59
 1,2,3-Trichloropropane
 Concen: 4.698 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

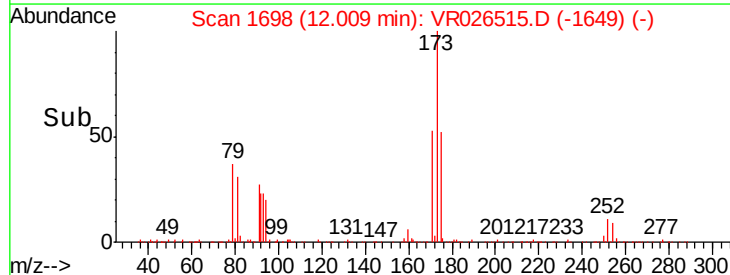
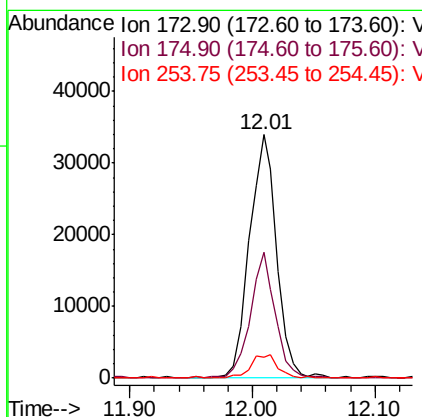
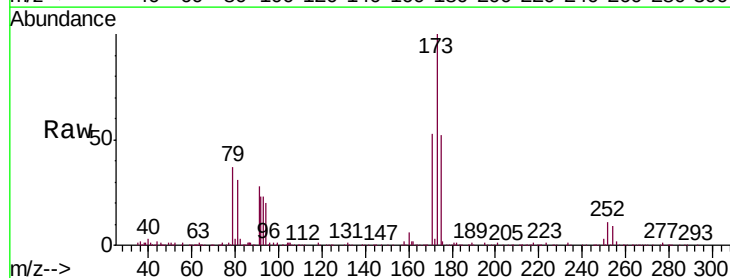
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00566

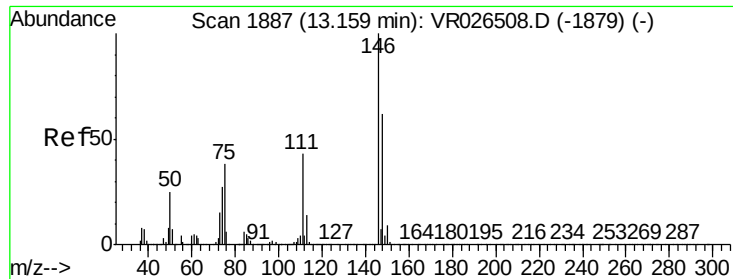
Tgt Ion: 75 Resp: 75645
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4



#61
 Bromoform
 Concen: 4.442 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion: 173 Resp: 52437
 Ion Ratio Lower Upper
 173 100
 175 47.7 36.6 54.8
 254 9.6 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.652 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00566

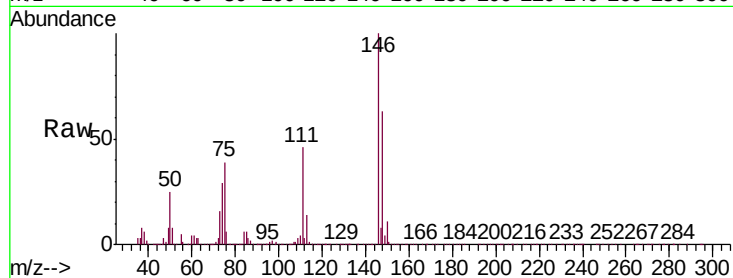
Tgt Ion:146 Resp: 394456

Ion Ratio Lower Upper

146 100

111 45.5 30.4 56.5

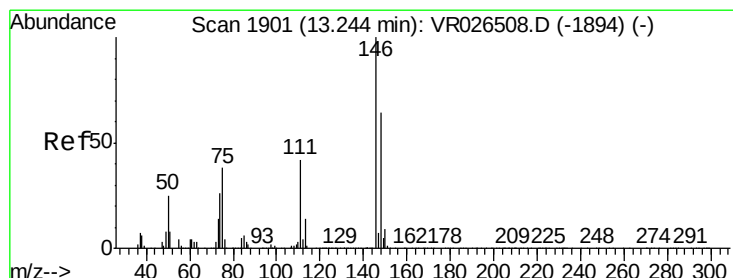
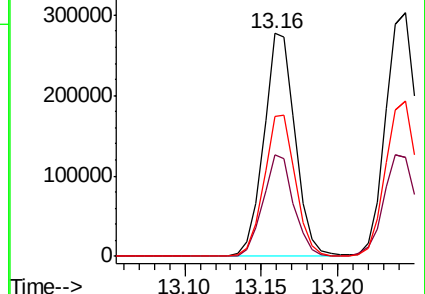
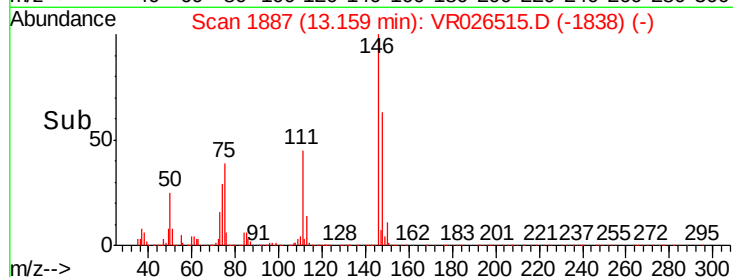
148 62.9 45.4 84.2



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: 4.589 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

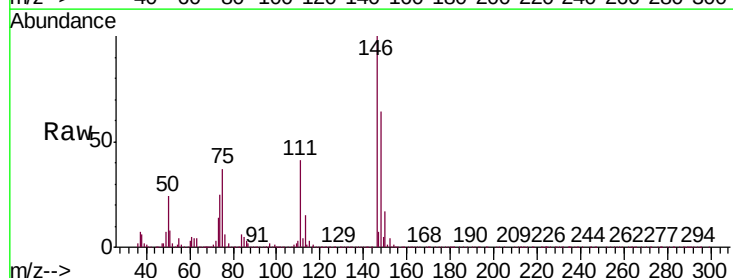
Tgt Ion:146 Resp: 436865

Ion Ratio Lower Upper

146 100

111 40.6 30.5 56.7

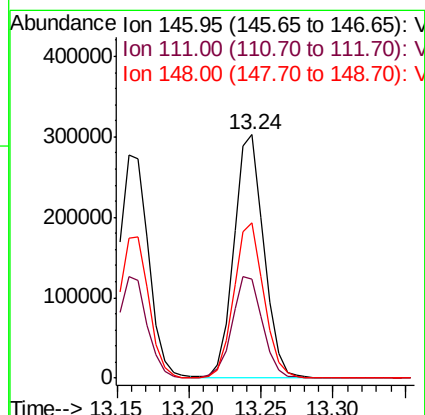
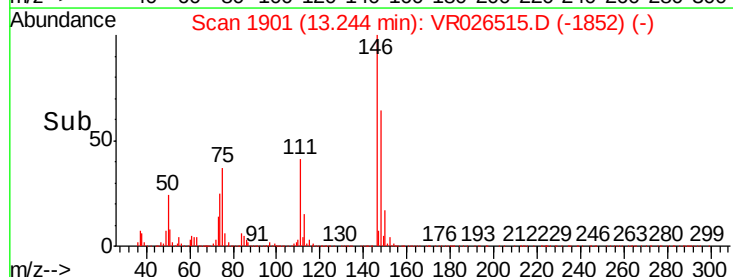
148 64.0 45.0 83.6

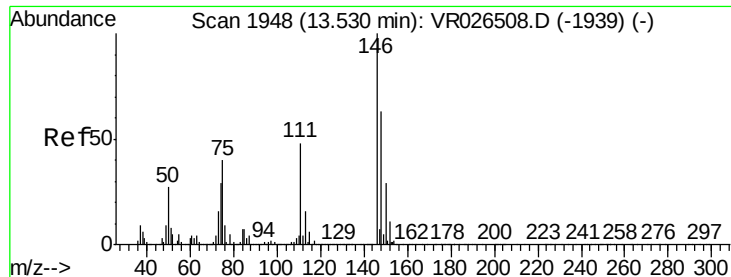


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

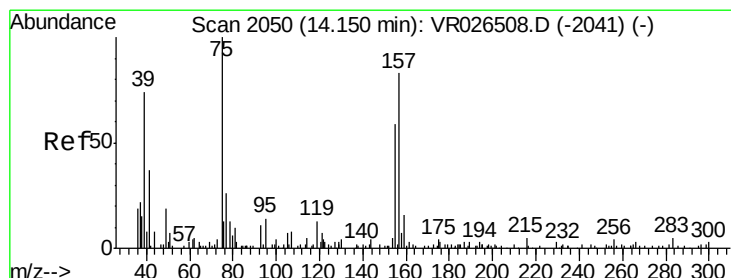
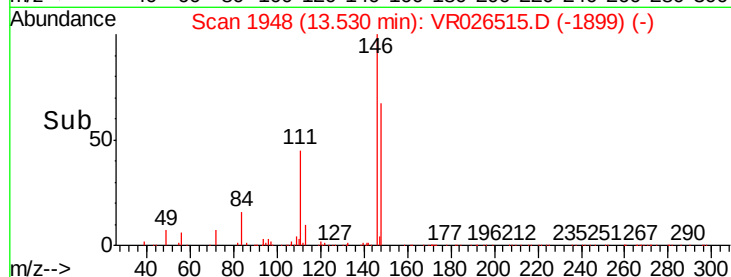
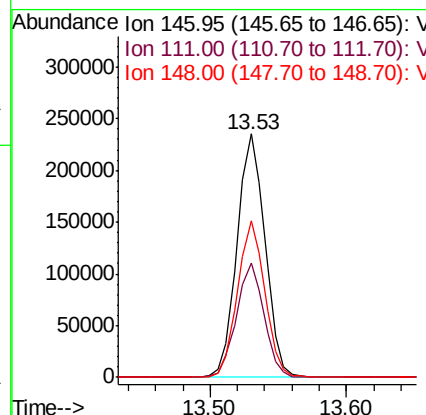
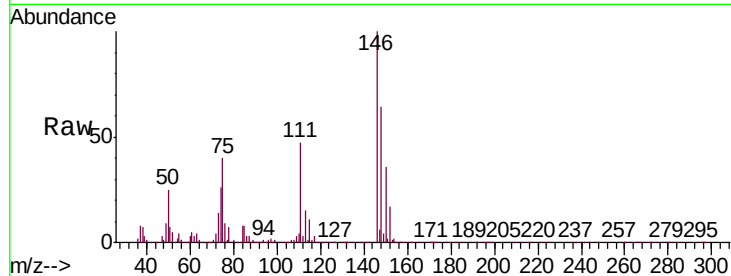




#65
 1,2-Dichlorobenzene
 Concen: 4.756 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

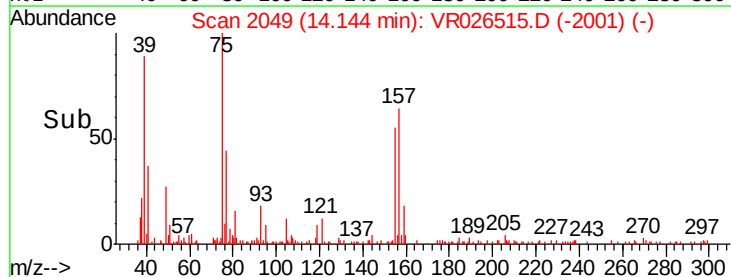
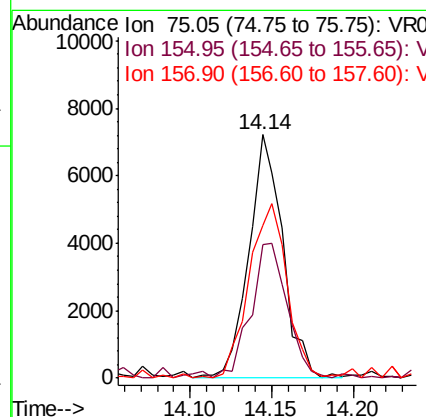
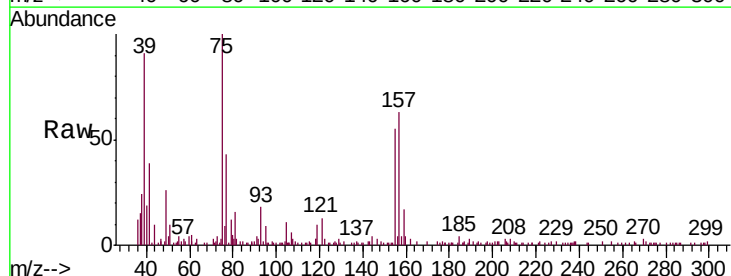
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

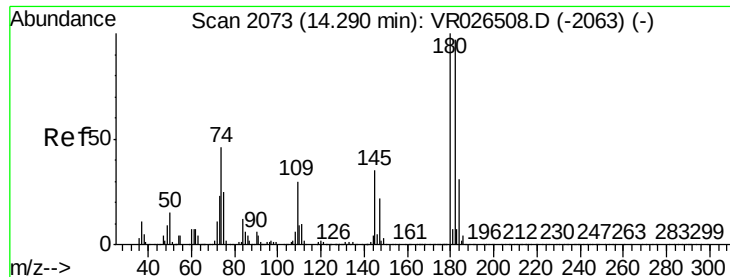
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	35.8	53.6
148	64.4	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.865 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	54.8	36.1	54.1#
157	62.8	62.4	93.6

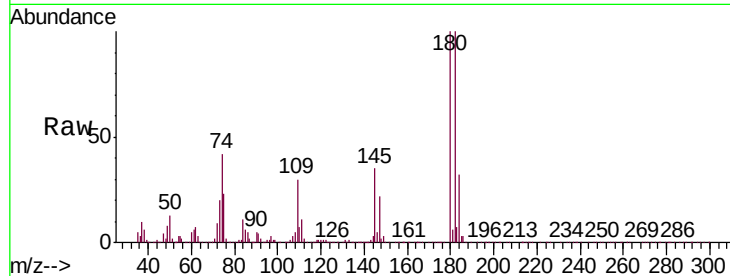




#67
 1,3,5-Trichlorobenzene
 Concen: 4.554 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

Tgt Ion:	180	Resp:	252301
Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.8	113.6
184	32.2	25.0	37.4
145	33.3	28.0	42.0



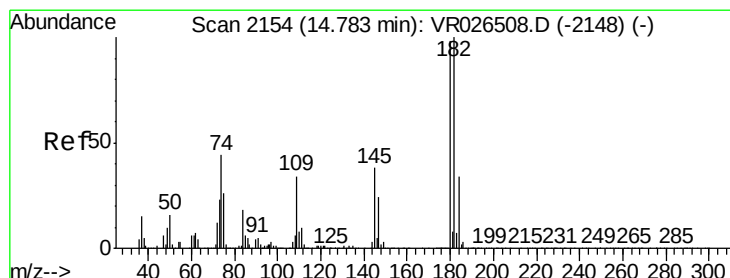
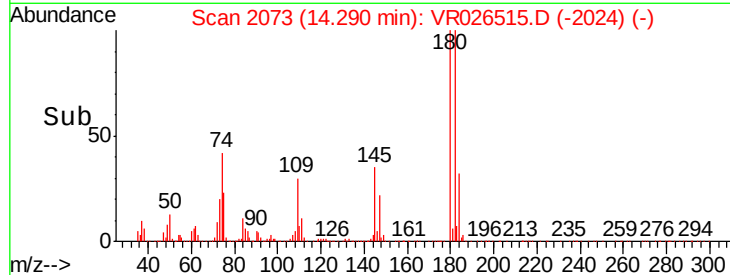
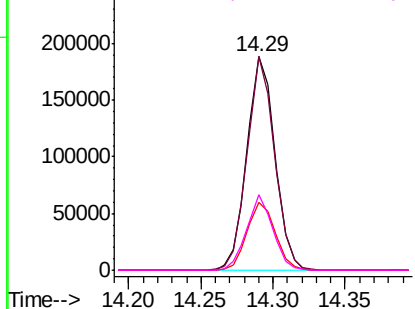
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

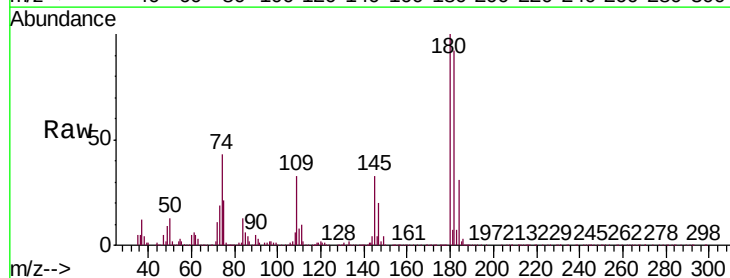
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.825 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026515.D
 Acq: 9 Apr 2019 14:16

Tgt Ion:	180	Resp:	148548
Ion	Ratio	Lower	Upper
180	100		
182	93.9	73.0	109.6
145	34.2	26.7	40.1

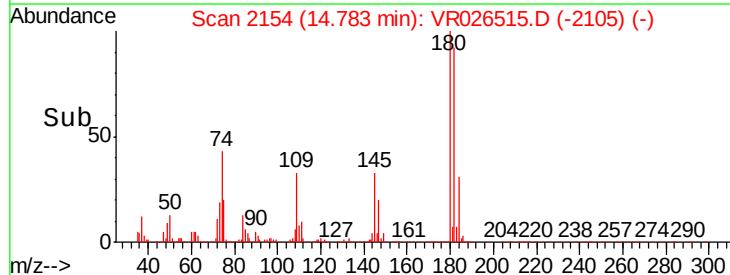
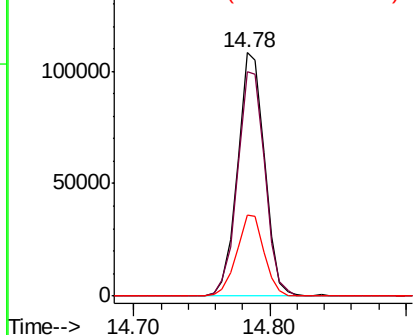


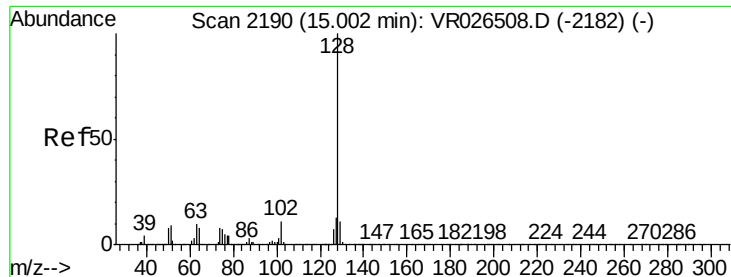
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.959 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

Instrument :

MSVOA_R

ClientSampled :

VSTD00566

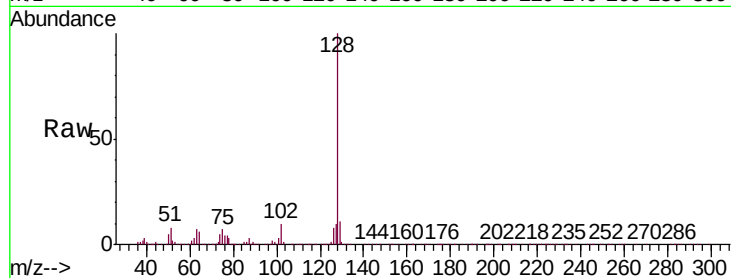
Tgt Ion:128 Resp: 143603

Ion Ratio Lower Upper

128 100

127 12.4 11.4 17.0

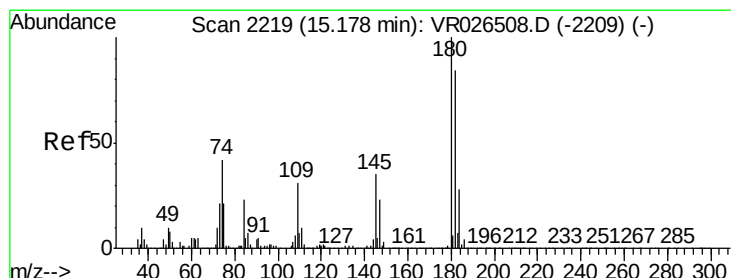
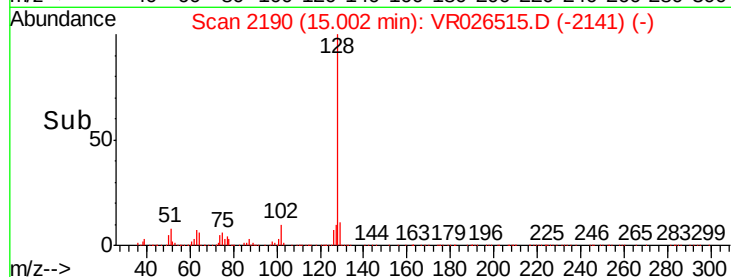
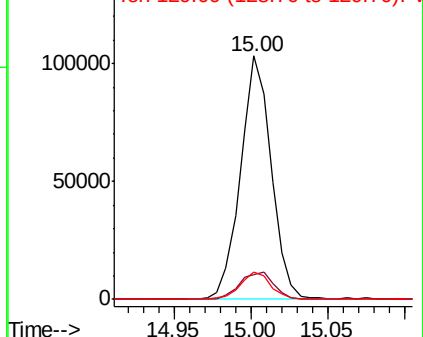
129 11.3 9.0 13.4



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: 5.247 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026515.D

Acq: 9 Apr 2019 14:16

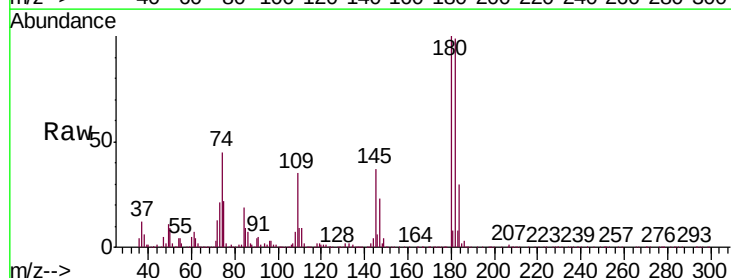
Tgt Ion:180 Resp: 111985

Ion Ratio Lower Upper

180 100

182 94.9 73.1 109.7

145 36.4 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

