

Data File : VR026430.D
Acq On : 3 Apr 2019 15:25
Operator : SY/MD
Sample : VSTD0.582
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Quant Time: Apr 04 04:42:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	765532	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	600444	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	212249	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	27237	0.37	ug/L	0.00
7) Chloroethane-d5	2.62	69	22825	0.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	68401	0.39	ug/L	0.00
20) 2-Butanone-d5	6.59	46	19543	3.54	ug/L	0.00
24) Chloroform-d	7.20	84	50075	0.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	19608	0.39	ug/L	0.00
32) Benzene-d6	7.85	84	88735	0.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	21492	0.38	ug/L	0.00
41) Toluene-d8	9.97	98	70311	0.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	6289	0.42	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	9672	2.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	8191	0.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	13375	0.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	35497	0.527 ug/L	96
3) Chloromethane	2.01	50	36994	0.454 ug/L	96
5) Vinyl chloride	2.15	62	35630	0.450 ug/L	98
6) Bromomethane	2.52	94	20836	0.457 ug/L	88
8) Chloroethane	2.66	64	20768	0.441 ug/L	92
9) Trichlorofluoromethane	2.94	101	48337	0.461 ug/L #	67
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	29299	0.486 ug/L	97
12) 1,1-Dichloroethene	3.62	96	30173	0.453 ug/L	82
13) Acetone	3.69	43	20994	4.216 ug/L	96
14) Carbon disulfide	3.92	76	82969	0.396 ug/L	100
15) Methyl Acetate	4.19	43	4652	0.336 ug/L	98
16) Methylene chloride	4.39	84	31390	0.536 ug/L	73
17) Methyl tert-butyl Ether	4.88	73	28465	0.435 ug/L #	93
18) trans-1,2-Dichloroethene	4.88	96	27932	0.455 ug/L	90
19) 1,1-Dichloroethane	5.69	63	53062	0.469 ug/L	97
21) 2-Butanone	6.69	43	22778	3.641 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	21359	0.416 ug/L #	93
23) Bromochloromethane	7.04	128	7696	0.481 ug/L #	80
25) Chloroform	7.23	83	47493	0.438 ug/L	98
27) 1,2-Dichloroethane	7.99	62	24004	0.463 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	44218	0.492 ug/L	97
30) Cyclohexane	7.52	56	32756	0.384 ug/L	93
31) Carbon tetrachloride	7.64	117	43204	0.516 ug/L	97
33) Benzene	7.91	78	95808	0.412 ug/L	100
34) Trichloroethene	8.71	95	25756	0.437 ug/L	99
35) Methylcyclohexane	8.95	83	33368	0.397 ug/L	96
37) 1,2-Dichloropropane	9.00	63	22079	0.447 ug/L #	93
38) Bromodichloromethane	9.28	83	23996	0.423 ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	19943	0.366 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	43132	3.151 ug/L	97

Data File : VR026430.D
Acq On : 3 Apr 2019 15:25
Operator : SY/MD
Sample : VSTD0.582
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Quant Time: Apr 04 04:42:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration

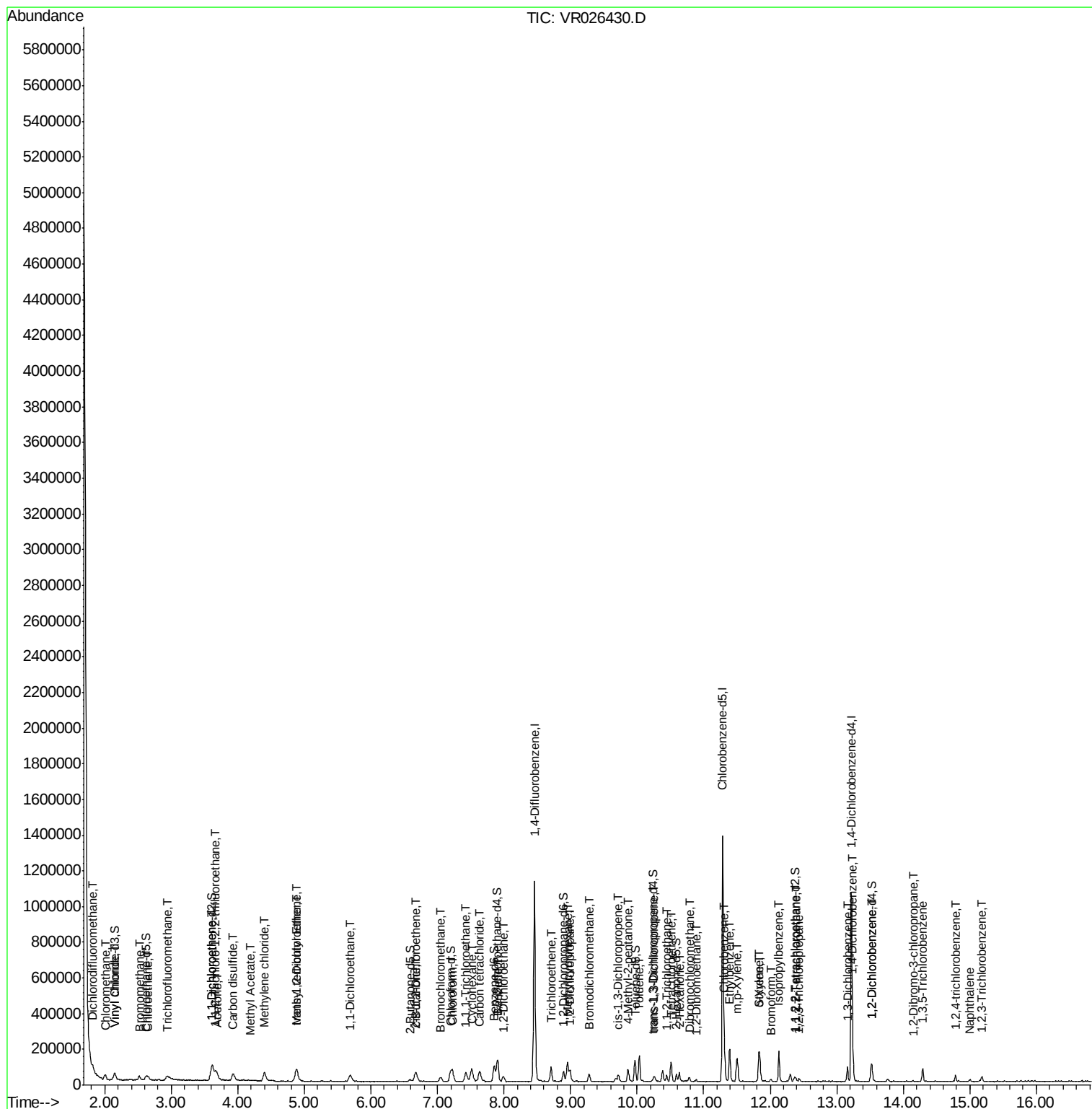
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	93576	0.399	ug/L	86
44) trans-1,3-Dichloropropene	10.26	75	14846	0.377	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	9168	0.450	ug/L	88
47) Tetrachloroethene	10.51	164	19980	0.471	ug/L	97
48) 2-Hexanone	10.63	43	30669	3.247	ug/L #	90
49) Dibromochloromethane	10.79	129	9878	0.389	ug/L	78
50) 1,2-Dibromoethane	10.89	107	7042	0.434	ug/L #	77
51) Chlorobenzene	11.32	112	57470	0.450	ug/L	96
52) Ethylbenzene	11.39	91	106476	0.404	ug/L	99
53) m,p-Xylene	11.50	106	33971	0.364	ug/L	95
54) o-Xylene	11.83	106	28490	0.347	ug/L	89
55) Styrene	11.84	104	44381	0.341	ug/L	83
56) Isopropylbenzene	12.13	105	81172	0.347	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	9230	0.496	ug/L #	84
59) 1,2,3-Trichloropropane	12.43	75	6519	0.470	ug/L	97
61) Bromoform	12.01	173	3892	0.397	ug/L #	82
62) 1,3-Dichlorobenzene	13.16	146	27336	0.416	ug/L	88
63) 1,4-Dichlorobenzene	13.24	146	33241	0.461	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	21238	0.394	ug/L	88
66) 1,2-Dibromo-3-chloropropan	14.15	75	1309	0.653	ug/L #	71
67) 1,3,5-Trichlorobenzene	14.29	180	17036	0.418	ug/L	95
68) 1,2,4-trichlorobenzene	14.79	180	8856	0.379	ug/L	97
69) Naphthalene	15.01	128	7067	0.326	ug/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	6177	0.377	ug/L #	89

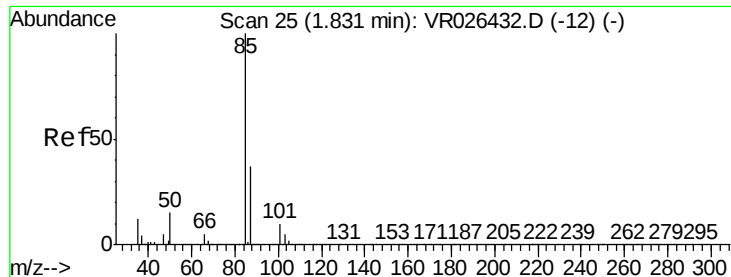
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026430.D
Acq On : 3 Apr 2019 15:25
Operator : SY/MD
Sample : VSTD0.582
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Quant Time: Apr 04 04:42:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.527 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

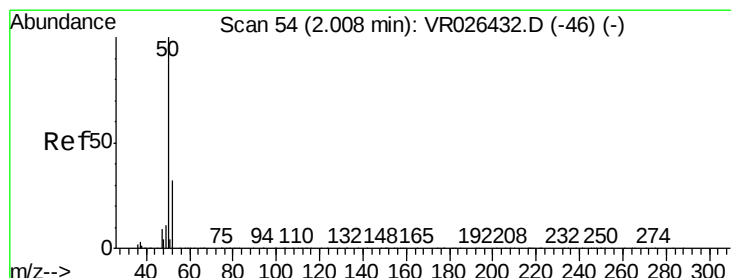
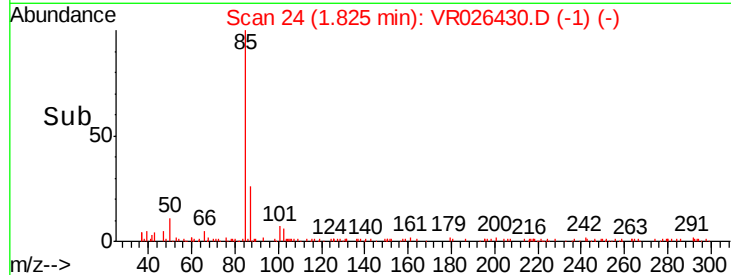
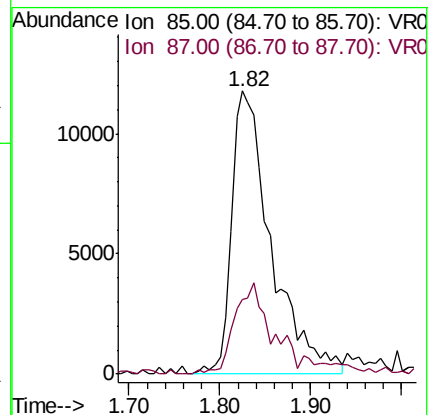
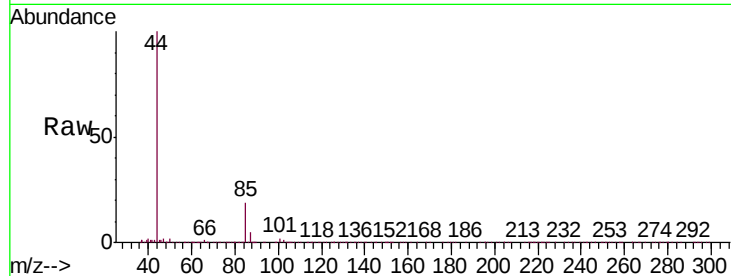
VSTD0.582

Tgt Ion: 85 Resp: 35497

Ion Ratio Lower Upper

85 100

87 29.7 25.5 38.3



#3

Chloromethane

Concen: 0.454 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR026430.D

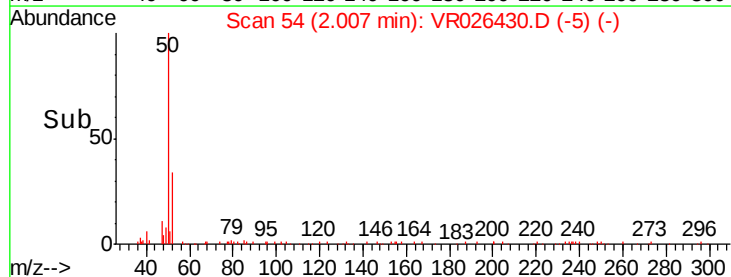
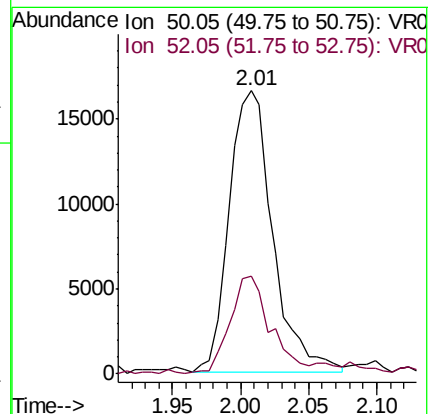
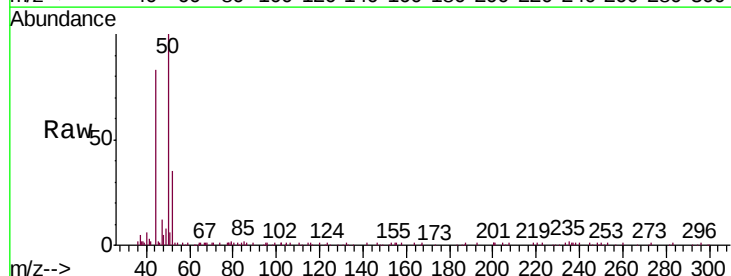
Acq: 3 Apr 2019 15:25

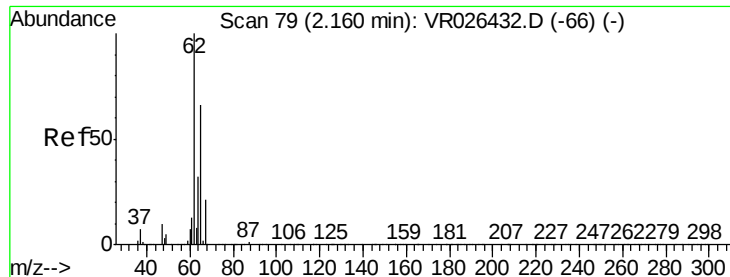
Tgt Ion: 50 Resp: 36994

Ion Ratio Lower Upper

50 100

52 34.6 22.5 41.9





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 2.15 min Scan# 77

Delta R.T. -0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

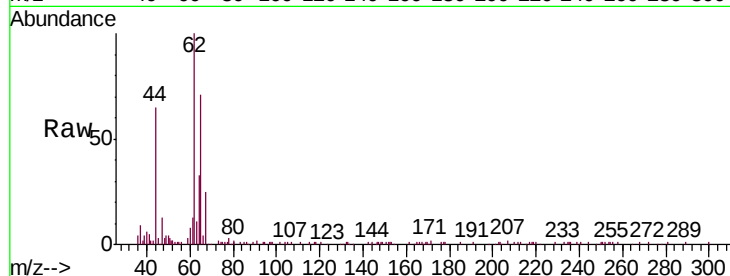
VSTD0.582

Tgt Ion: 62 Resp: 35630

Ion Ratio Lower Upper

62 100

64 32.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

15000

10000

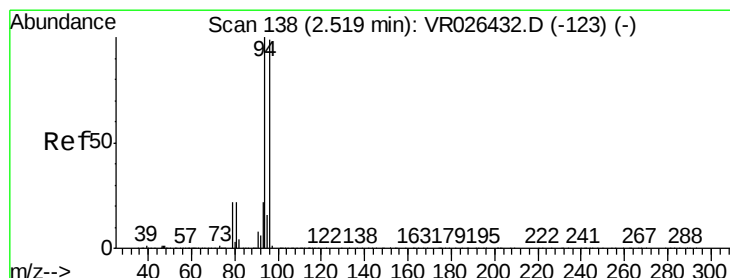
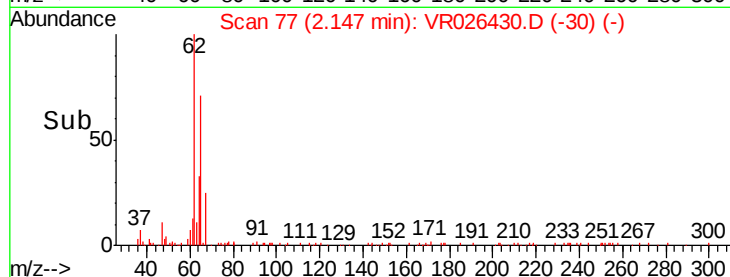
5000

0

2.15

2.10 2.20 2.30

Time-->



#6

Bromomethane

Concen: 0.457 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.00 min

Lab File: VR026430.D

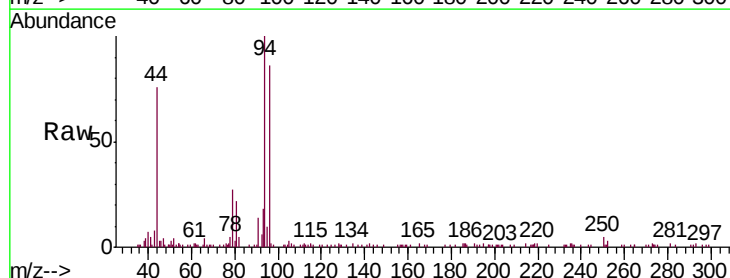
Acq: 3 Apr 2019 15:25

Tgt Ion: 94 Resp: 20836

Ion Ratio Lower Upper

94 100

96 86.4 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

10000

8000

6000

4000

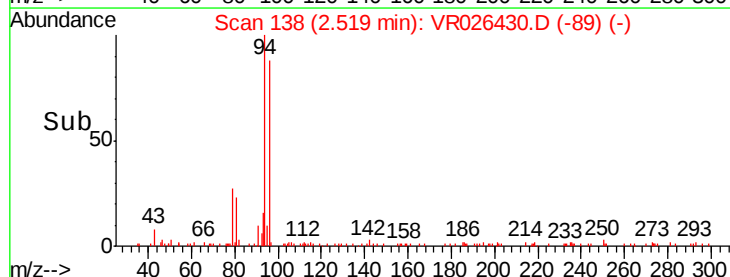
2000

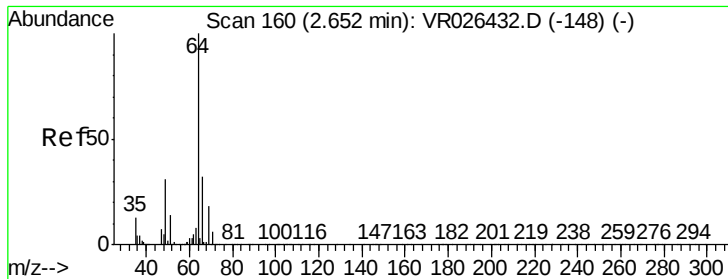
0

2.52

2.45 2.50 2.55 2.60

Time-->

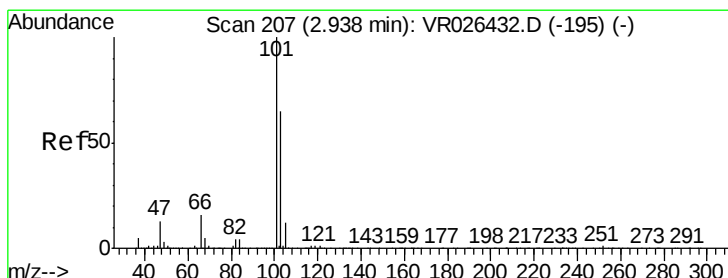
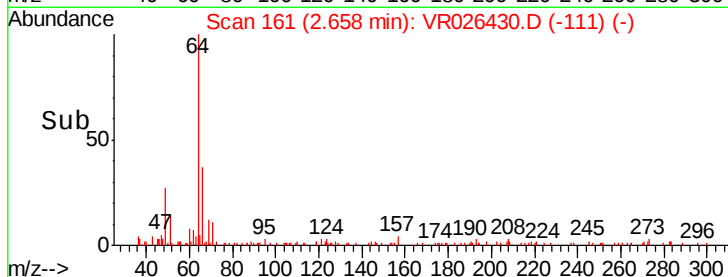
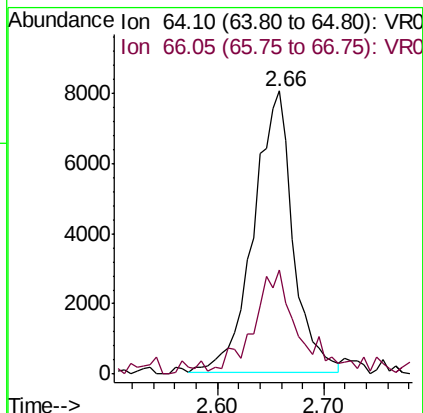
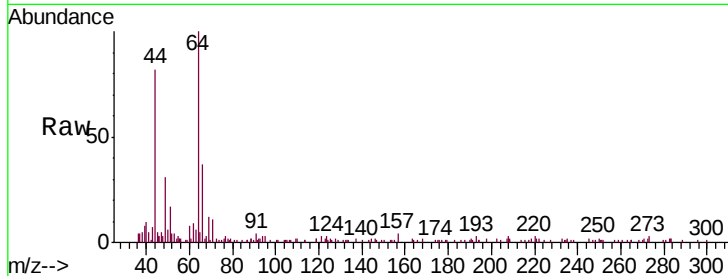




#8
Chloroethane
Concen: 0.441 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

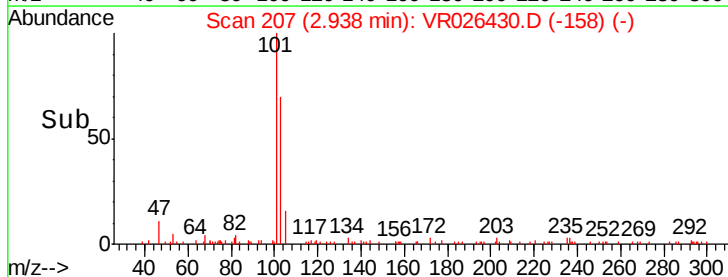
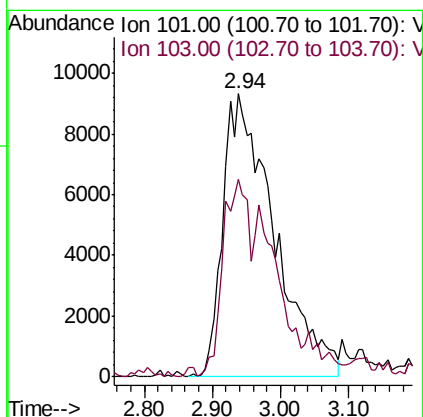
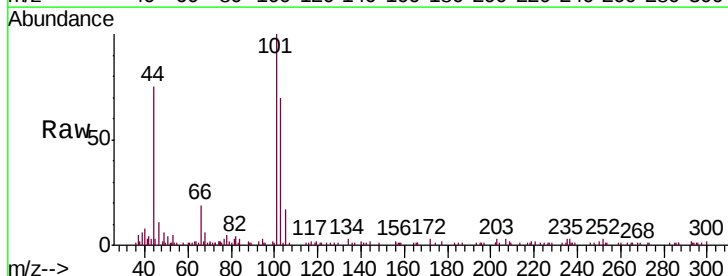
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

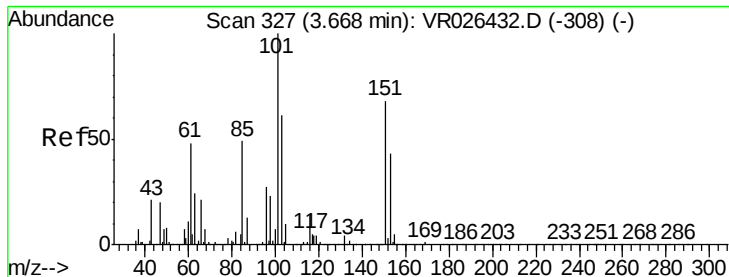
Tgt Ion: 64 Resp: 20768
Ion Ratio Lower Upper
64 100
66 36.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 0.461 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion: 101 Resp: 48337
Ion Ratio Lower Upper
101 100
103 35.3 48.2 72.2#





#10

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

Concen: 0.486 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.582

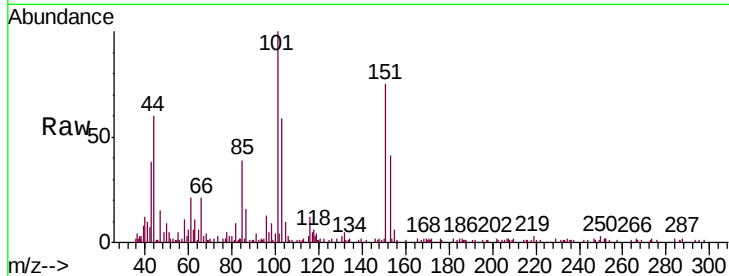
Tgt Ion:101 Resp: 29299

Ion Ratio Lower Upper

101 100

85 48.2 39.2 58.8

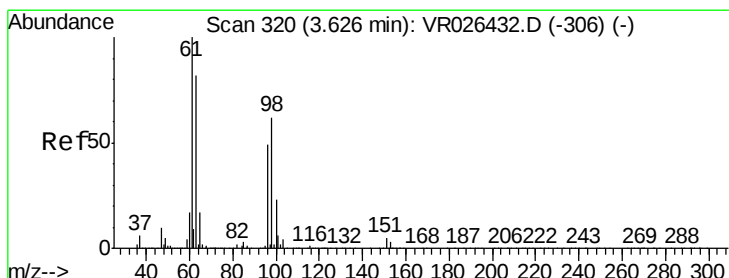
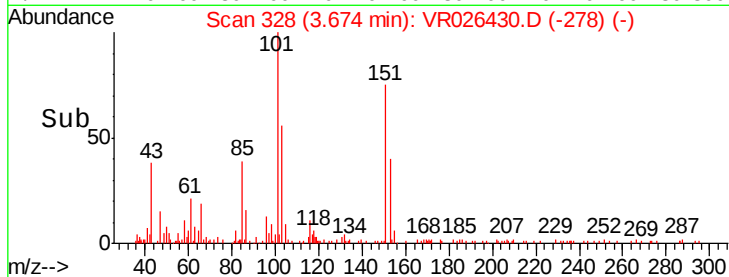
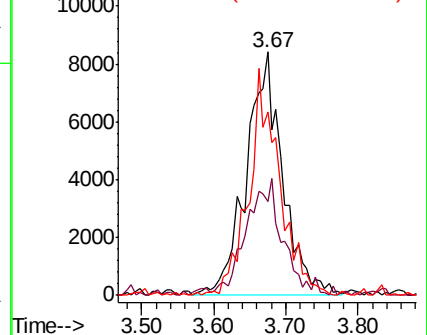
151 78.6 59.7 89.5



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: 0.453 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

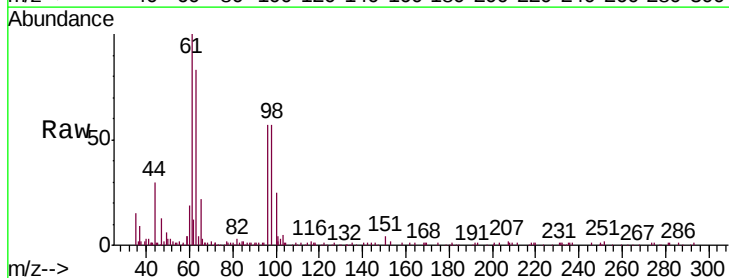
Tgt Ion: 96 Resp: 30173

Ion Ratio Lower Upper

96 100

61 174.6 142.7 264.9

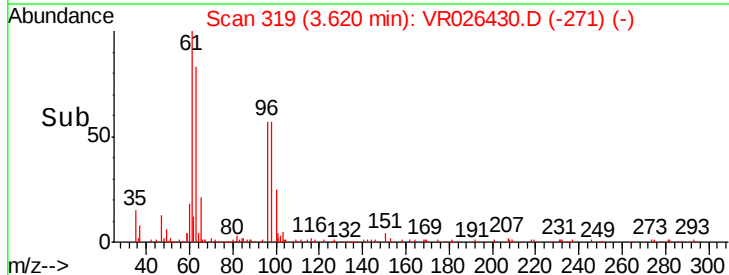
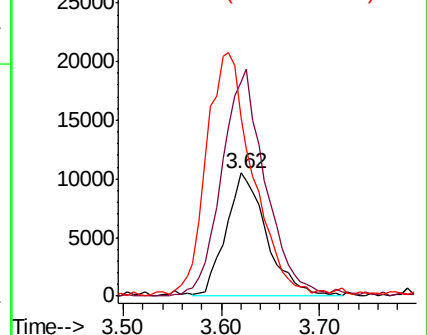
63 145.7 116.9 217.1

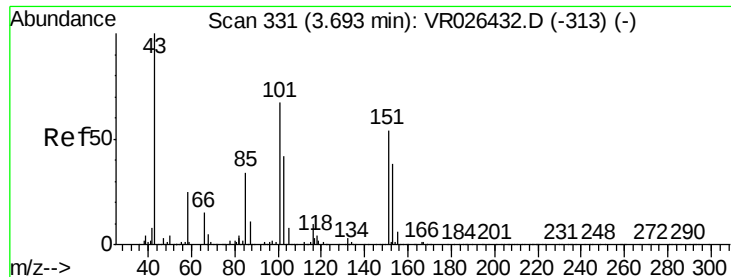


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 4.216 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

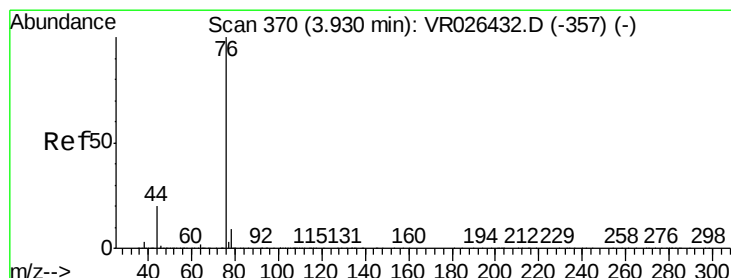
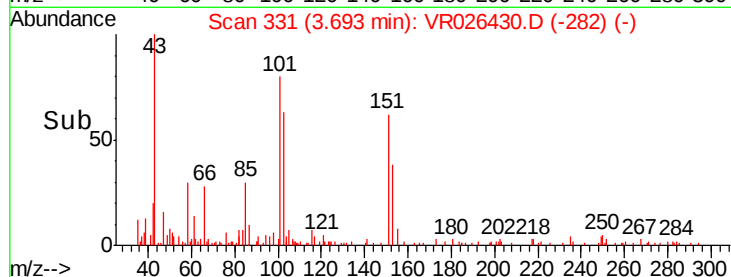
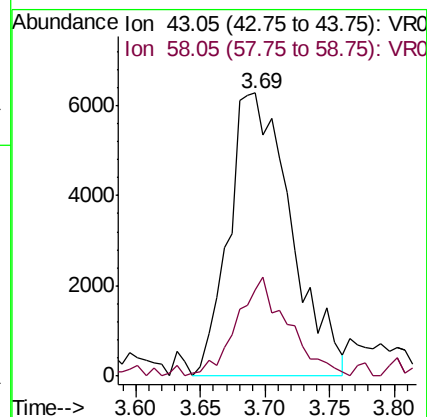
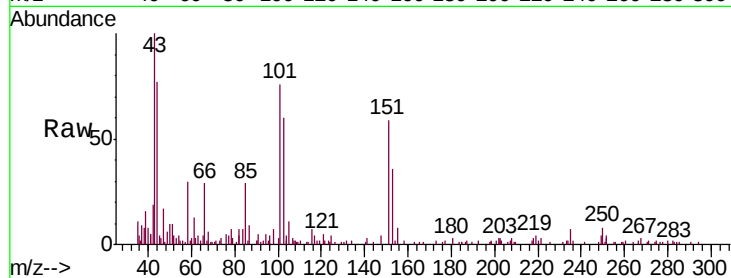
VSTD0.582

Tgt Ion: 43 Resp: 20994

Ion Ratio Lower Upper

43 100

58 28.8 0.0 53.8



#14

Carbon disulfide

Concen: 0.396 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026430.D

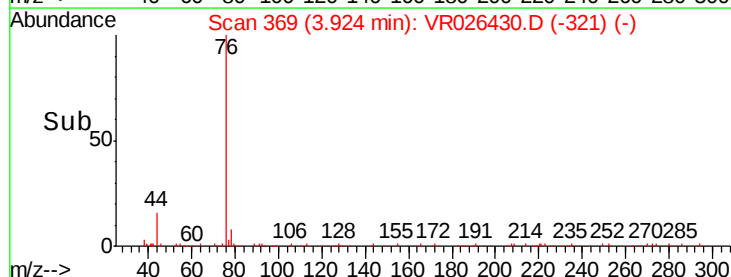
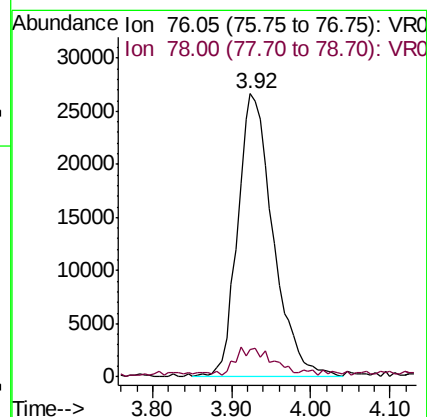
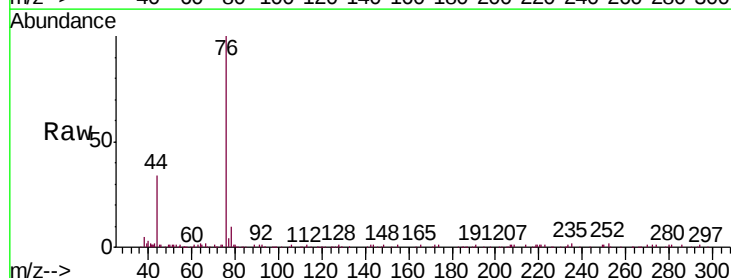
Acq: 3 Apr 2019 15:25

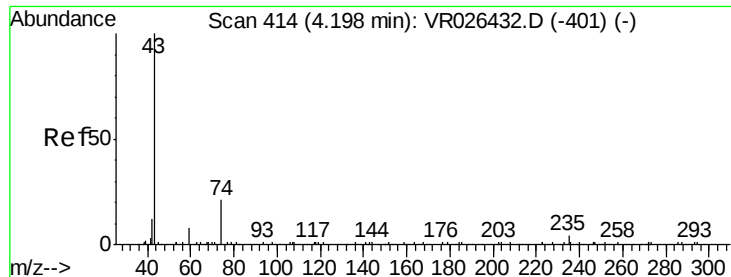
Tgt Ion: 76 Resp: 82969

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

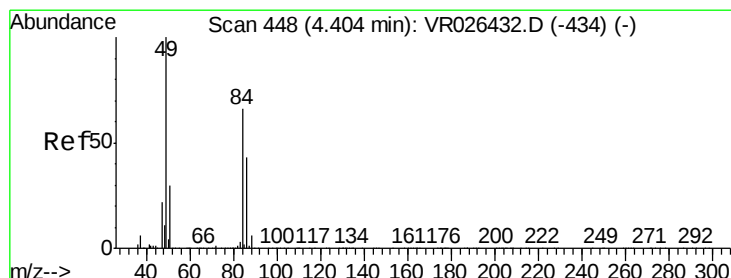
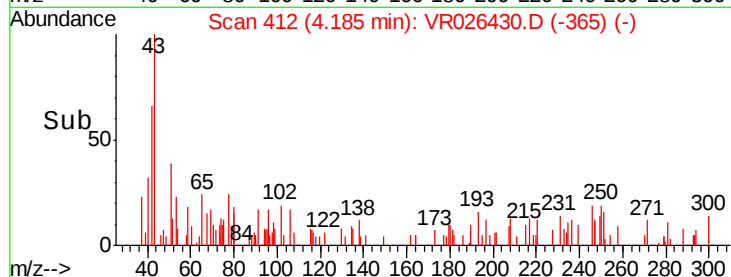
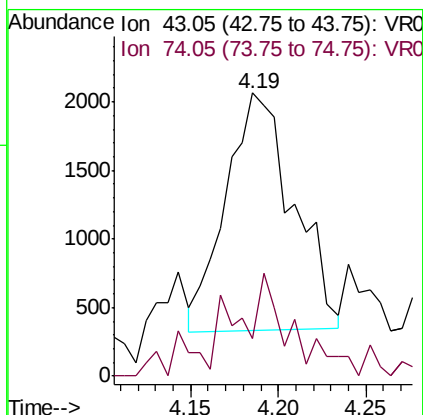
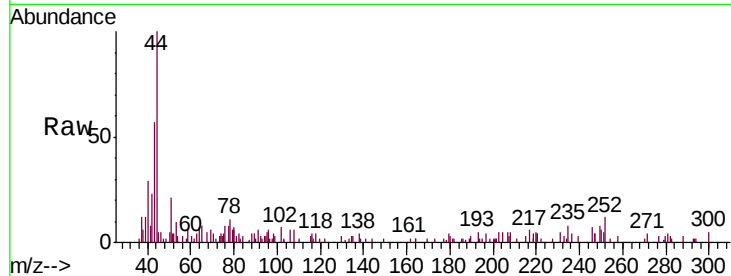




#15
Methyl Acetate
Concen: 0.336 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

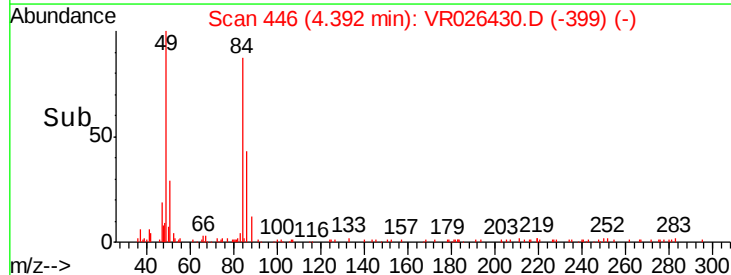
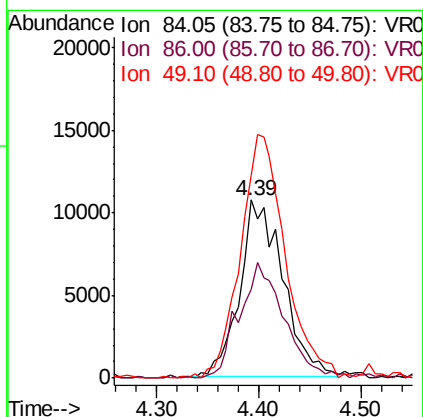
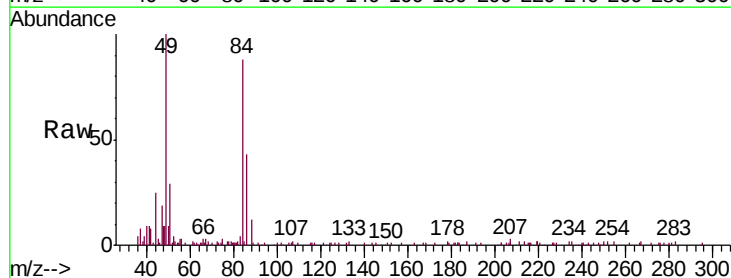
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

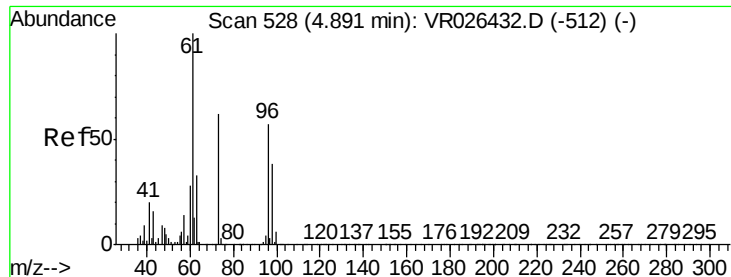
Tgt Ion: 43 Resp: 4652
Ion Ratio Lower Upper
43 100
74 21.1 17.5 26.3



#16
Methylene chloride
Concen: 0.536 ug/L
RT: 4.39 min Scan# 446
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion: 84 Resp: 31390
Ion Ratio Lower Upper
84 100
86 49.5 45.6 84.6
49 114.0 106.5 197.9

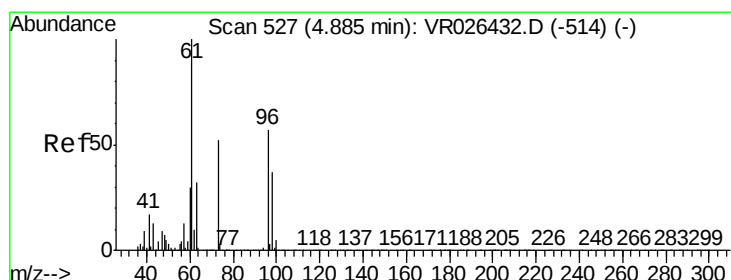
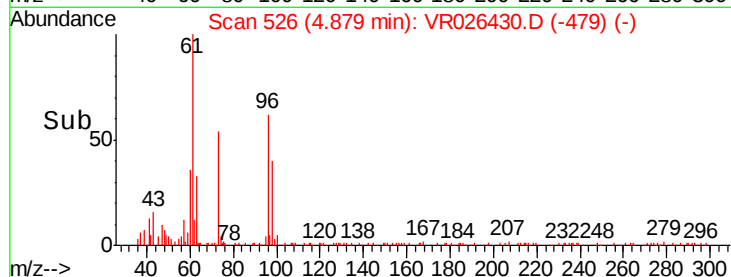
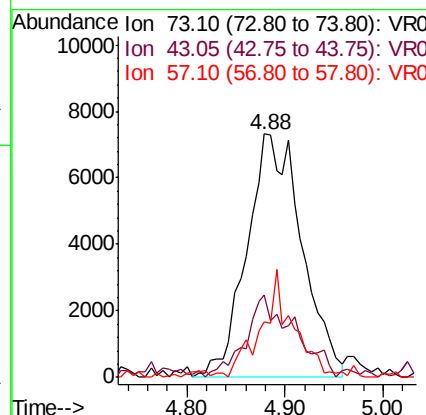
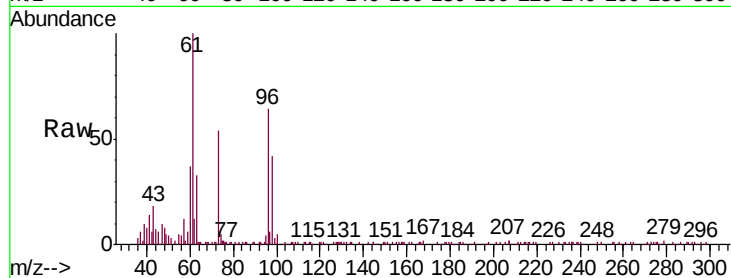




#17
Methyl tert-butyl Ether
Concen: 0.435 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

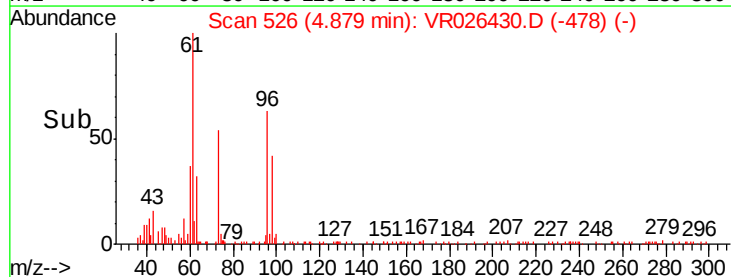
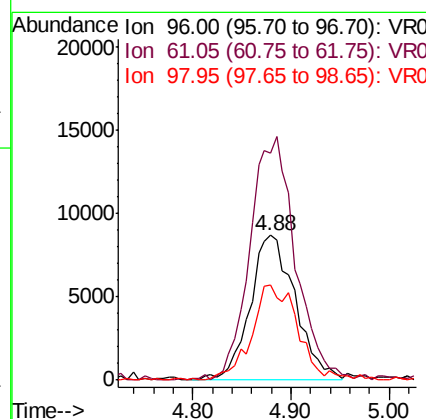
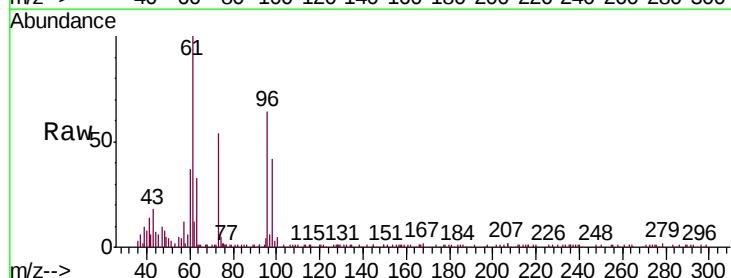
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

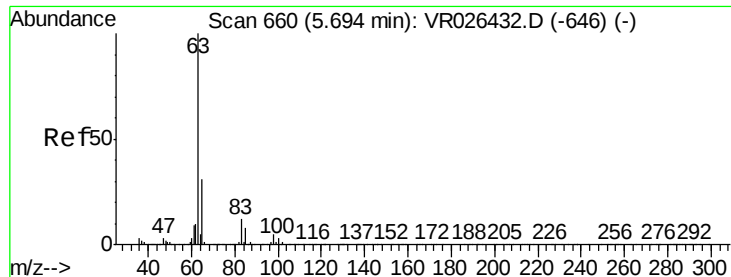
Tgt Ion: 73 Resp: 28465
Ion Ratio Lower Upper
73 100
43 30.0 19.8 29.8#
57 25.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.455 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion: 96 Resp: 27932
Ion Ratio Lower Upper
96 100
61 157.0 122.9 228.3
98 65.3 45.2 84.0

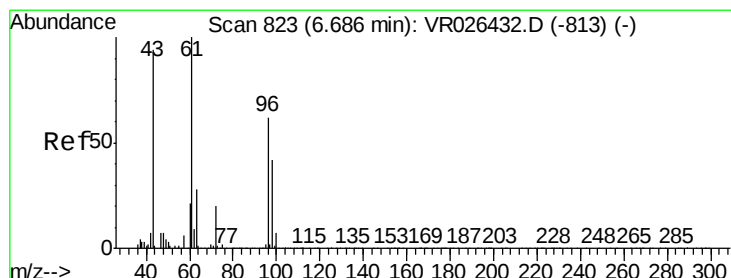
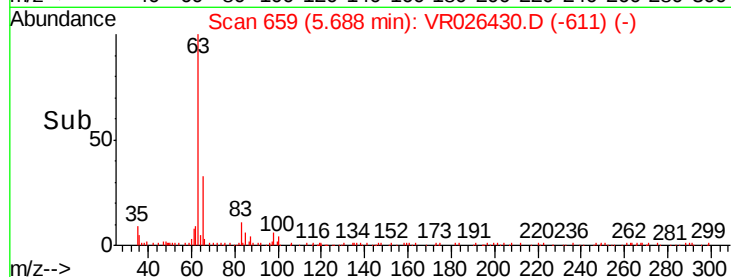
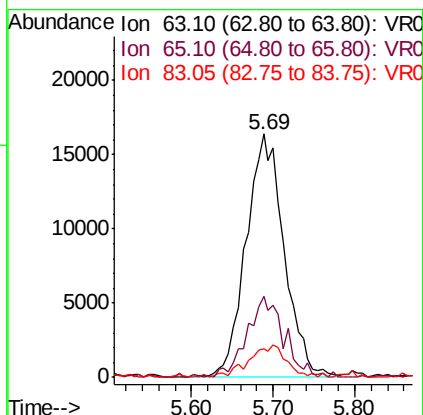
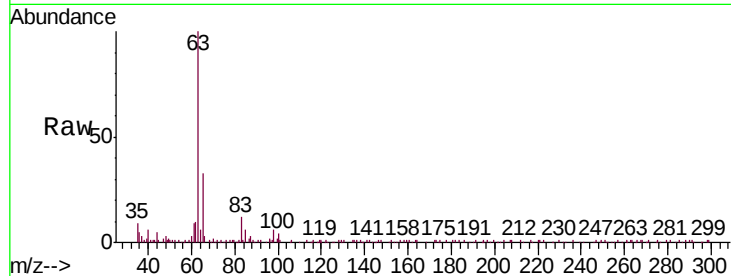




#19
1,1-Dichloroethane
Concen: 0.469 ug/L
RT: 5.69 min Scan# 659
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

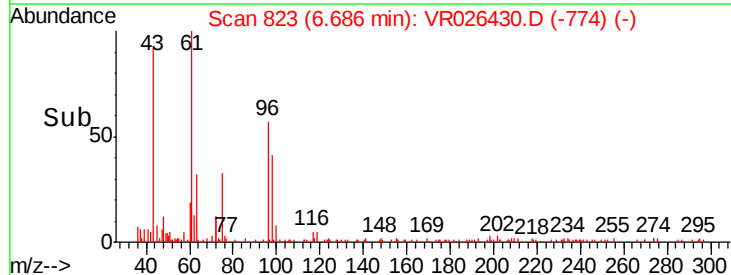
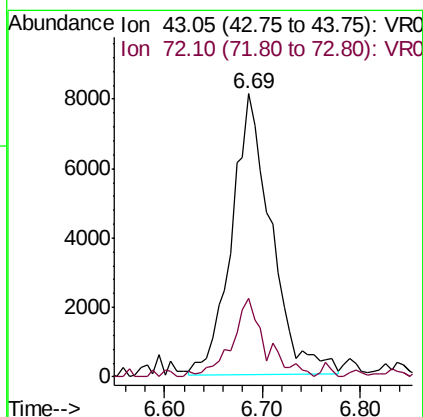
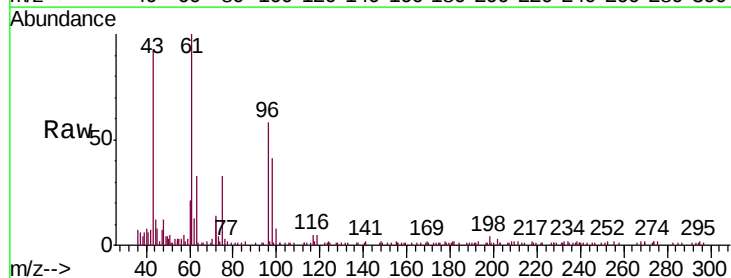
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

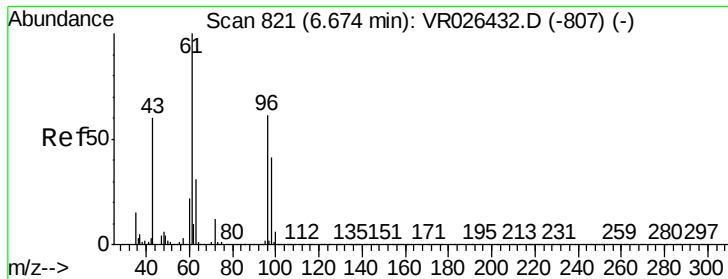
Tgt Ion: 63 Resp: 53062
Ion Ratio Lower Upper
63 100
65 33.3 22.0 40.8
83 11.9 8.2 15.2



#21
2-Butanone
Concen: 3.641 ug/L
RT: 6.69 min Scan# 823
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion: 43 Resp: 22778
Ion Ratio Lower Upper
43 100
72 23.8 11.1 33.3



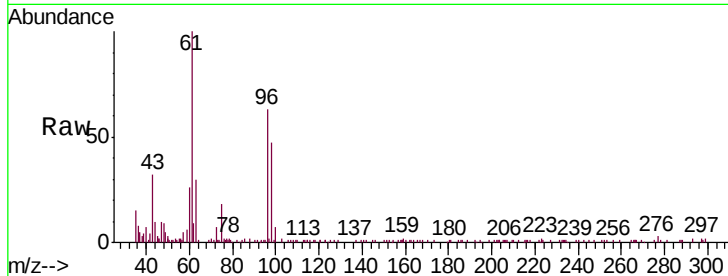


#22

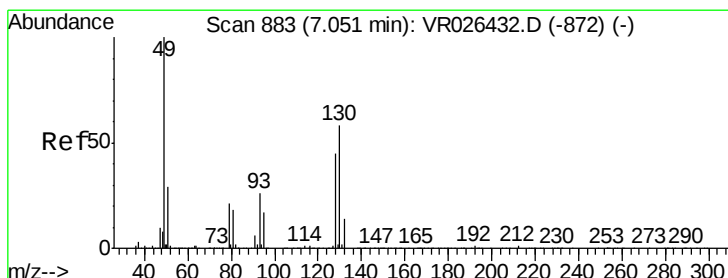
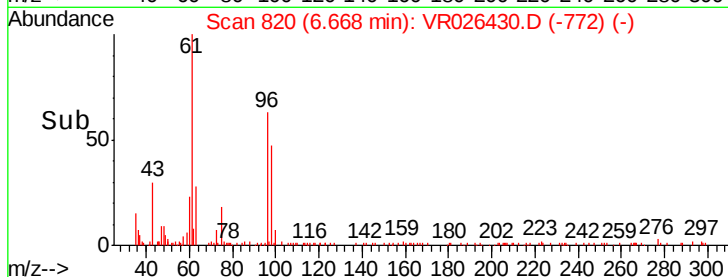
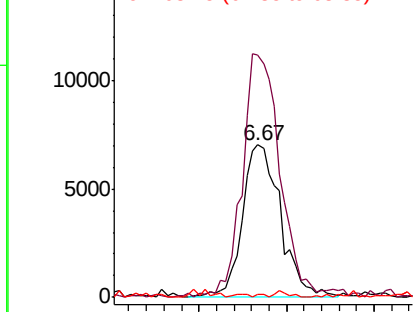
cis-1,2-Dichloroethene
Concen: 0.416 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Tgt Ion: 96 Resp: 21359
Ion Ratio Lower Upper
96 100
61 154.4 115.0 213.6
68 2.2 0.0 0.0#



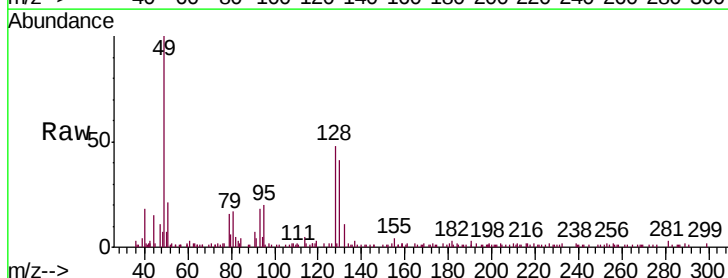
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



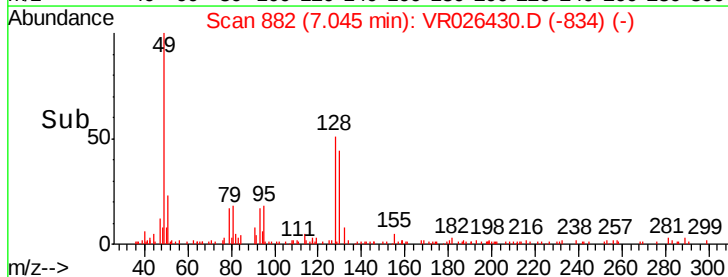
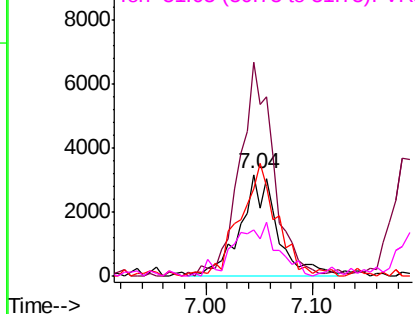
#23

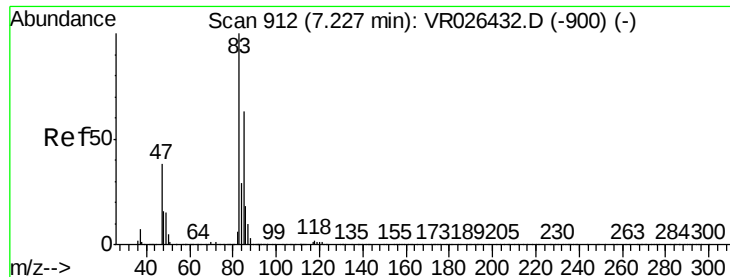
Bromochloromethane
Concen: 0.481 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion: 128 Resp: 7696
Ion Ratio Lower Upper
128 100
49 210.4 158.3 293.9
130 85.6 90.0 167.2#
51 45.0 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: 0.438 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

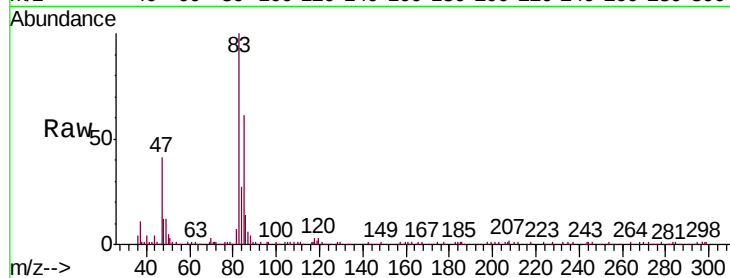
VSTD0.582

Tgt Ion: 83 Resp: 47493

Ion Ratio Lower Upper

83 100

85 61.4 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

20000

15000

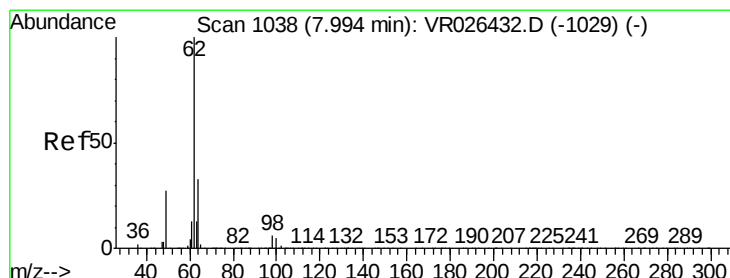
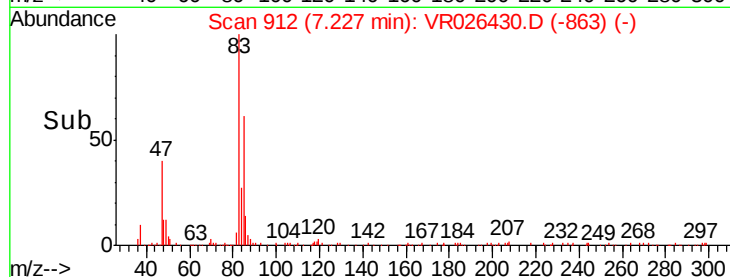
10000

5000

0

7.10 7.20 7.30

Time-->



#27

1,2-Dichloroethane

Concen: 0.463 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026430.D

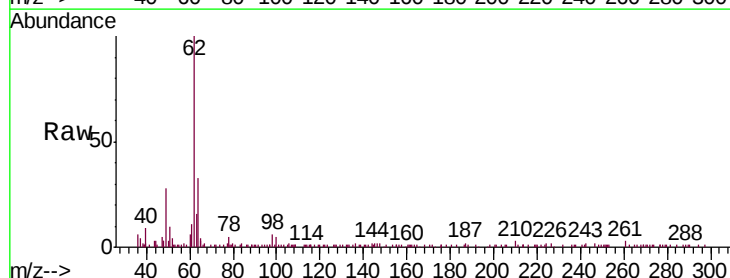
Acq: 3 Apr 2019 15:25

Tgt Ion: 62 Resp: 24004

Ion Ratio Lower Upper

62 100

98 6.5 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

12000

10000

8000

6000

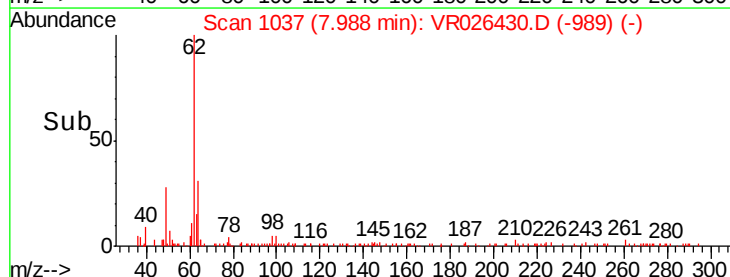
4000

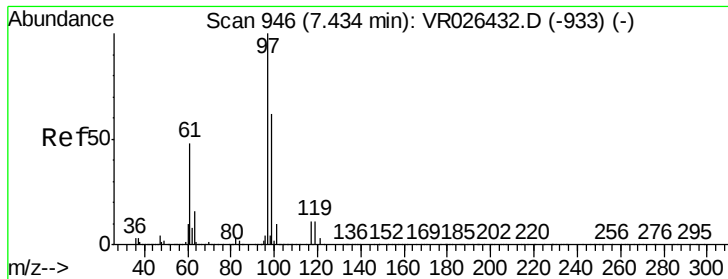
2000

0

7.90 7.95 8.00 8.05 8.10

Time-->





#29

1,1,1-Trichloroethane

Concen: 0.492 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.582

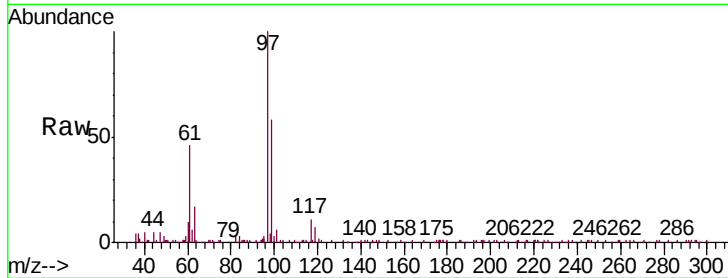
Tgt Ion: 97 Resp: 44218

Ion Ratio Lower Upper

97 100

99 62.7 49.6 74.4

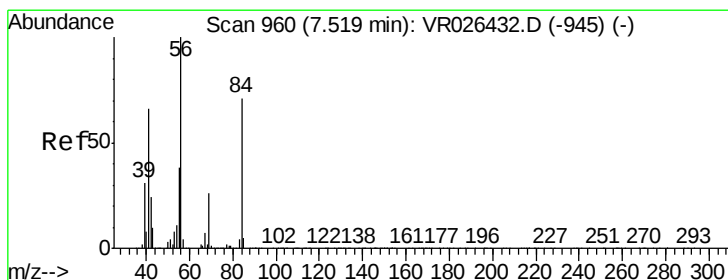
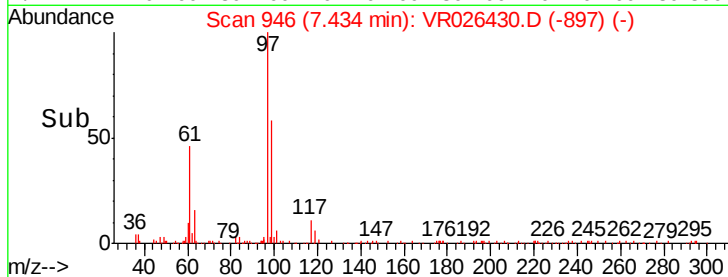
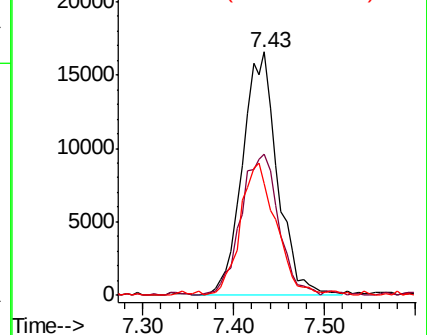
61 55.5 41.8 62.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.384 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

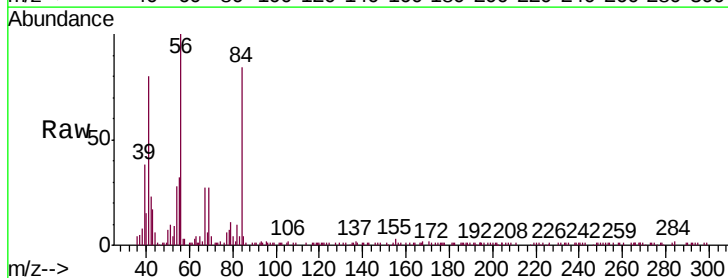
Tgt Ion: 56 Resp: 32756

Ion Ratio Lower Upper

56 100

69 32.8 22.6 33.8

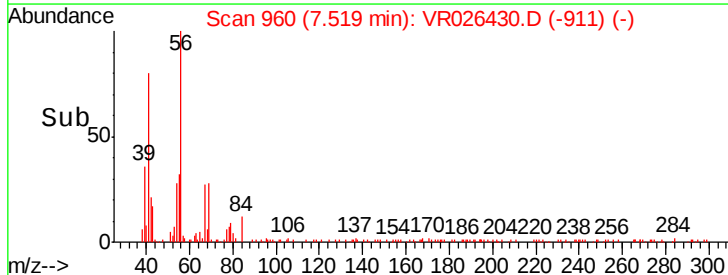
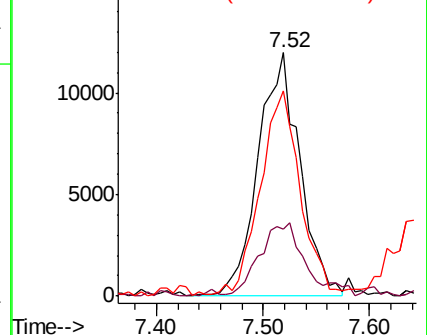
84 79.8 59.6 89.4

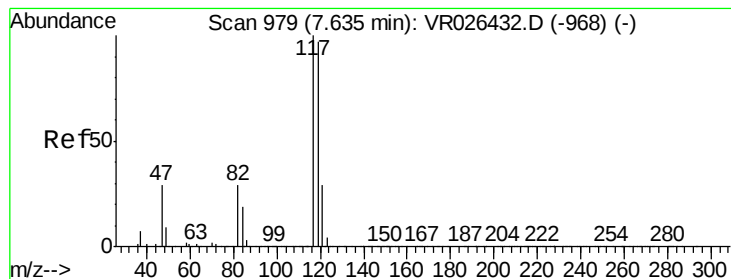


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.516 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

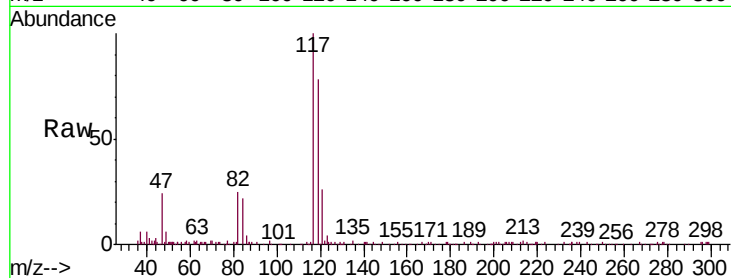
VSTD0.582

Tgt Ion:117 Resp: 43204

Ion Ratio Lower Upper

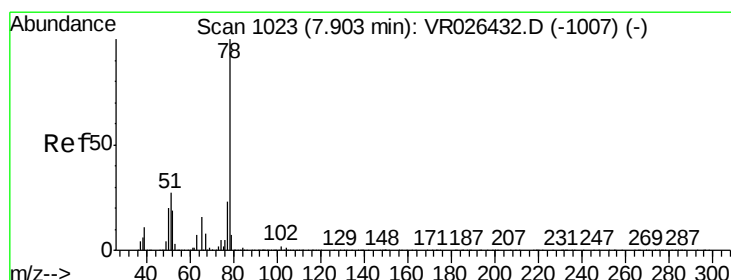
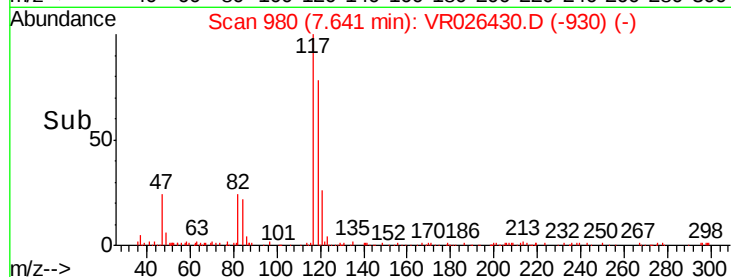
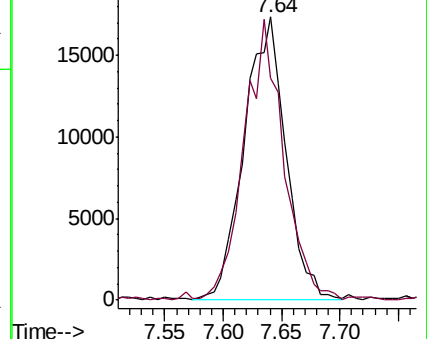
117 100

119 92.3 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.412 ug/L

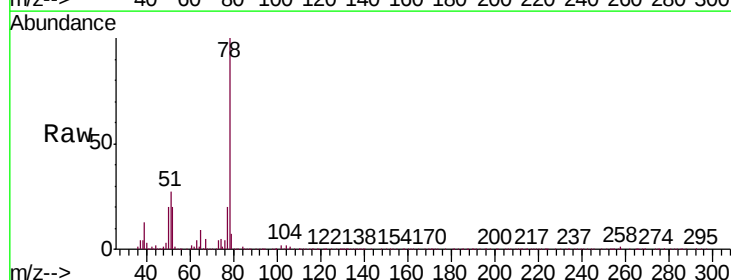
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

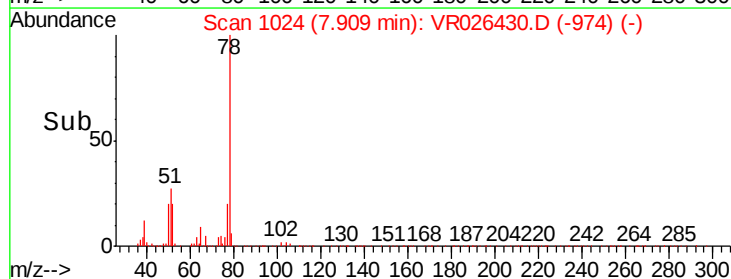
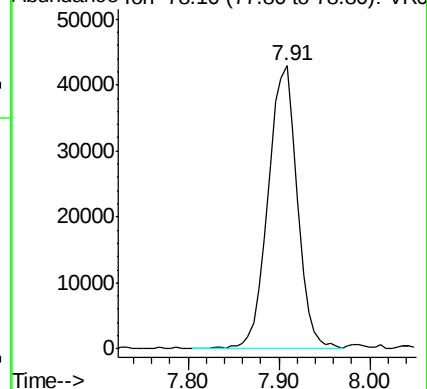
Lab File: VR026430.D

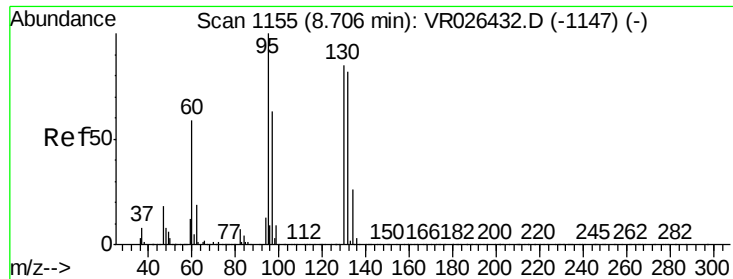
Acq: 3 Apr 2019 15:25

Tgt Ion: 78 Resp: 95808



Abundance Ion 78.10 (77.80 to 78.80): VR0

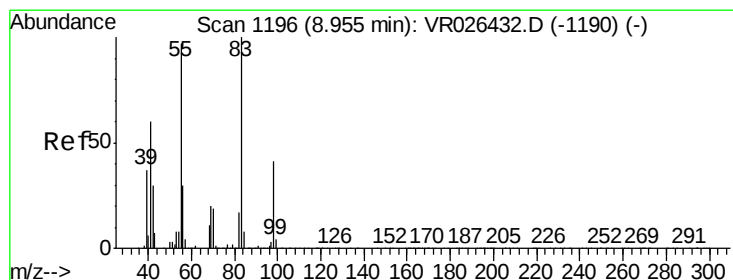
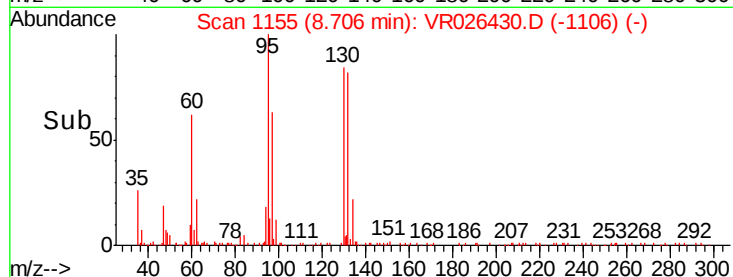
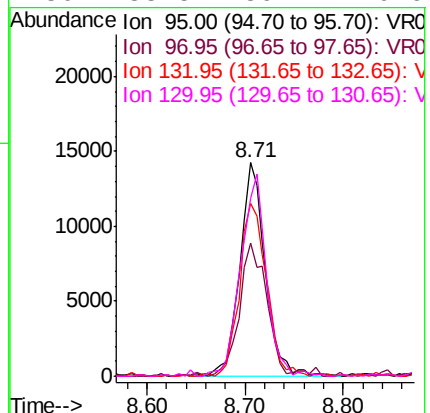
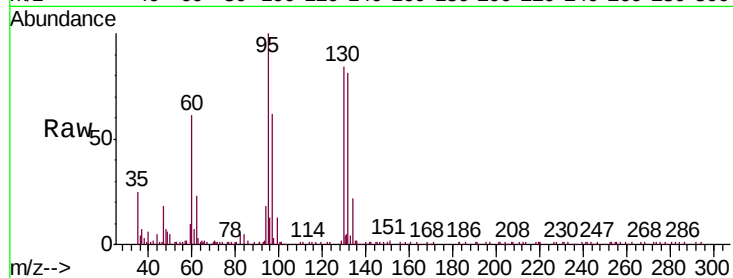




#34
 Trichloroethene
 Concen: 0.437 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

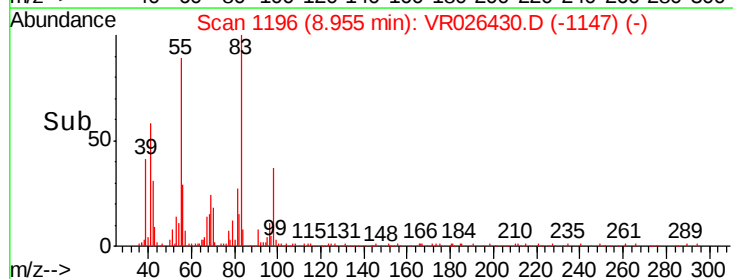
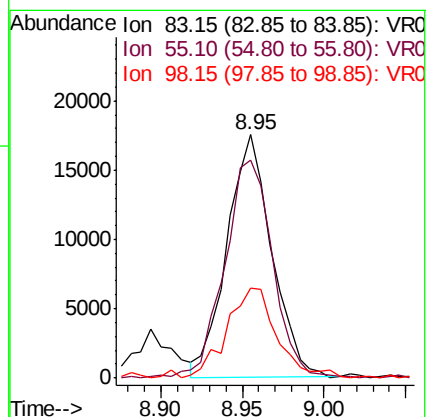
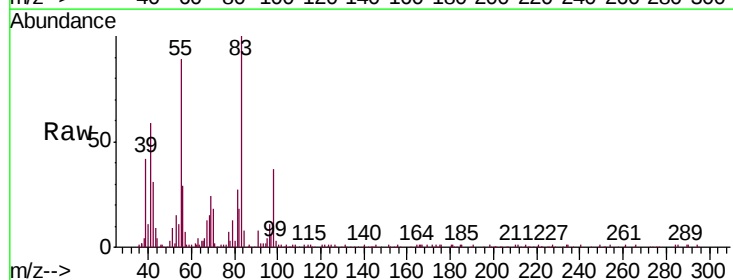
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.582

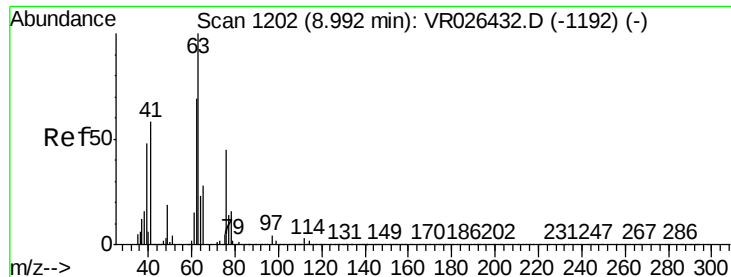
Tgt Ion: 95 Resp: 25756
 Ion Ratio Lower Upper
 95 100
 97 62.5 43.8 81.3
 132 80.9 57.2 106.2
 130 83.5 59.7 110.9



#35
 Methylcyclohexane
 Concen: 0.397 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

Tgt Ion: 83 Resp: 33368
 Ion Ratio Lower Upper
 83 100
 55 97.2 73.8 110.6
 98 41.9 34.6 51.8





#37

1,2-Dichloropropane

Concen: 0.447 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

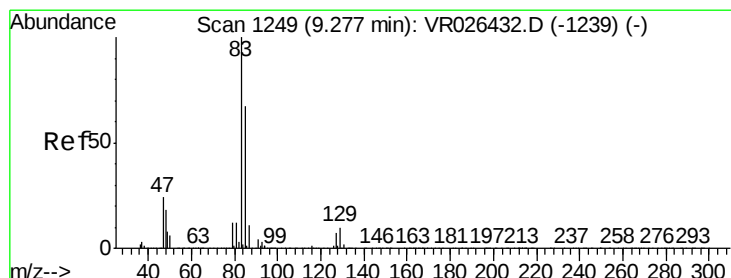
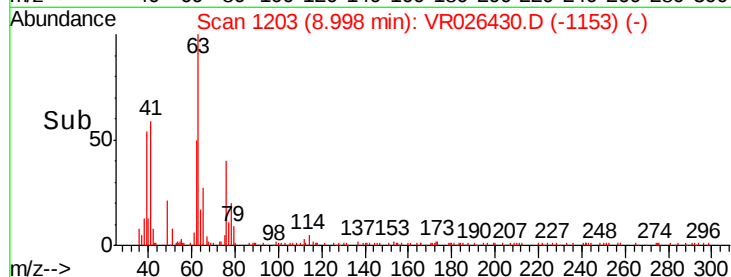
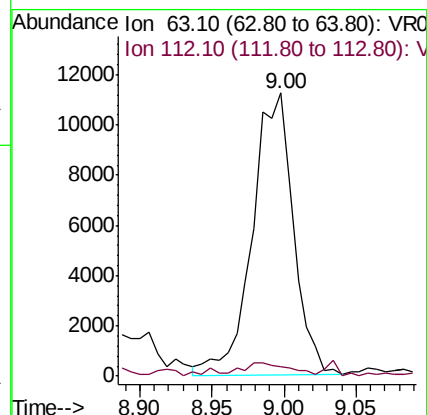
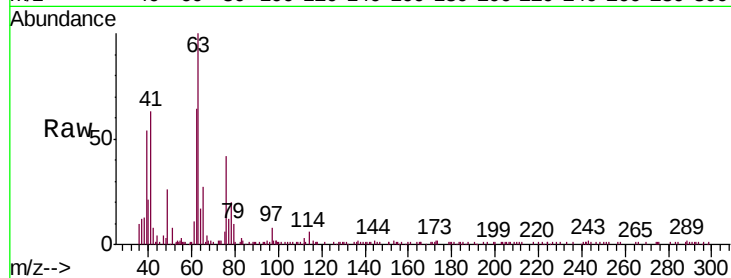
VSTD0.582

Tgt Ion: 63 Resp: 22079

Ion Ratio Lower Upper

63 100

112 5.7 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.423 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

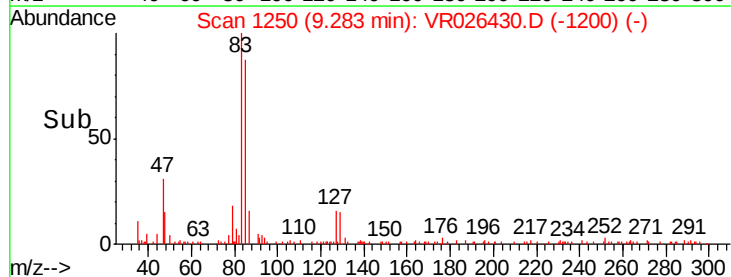
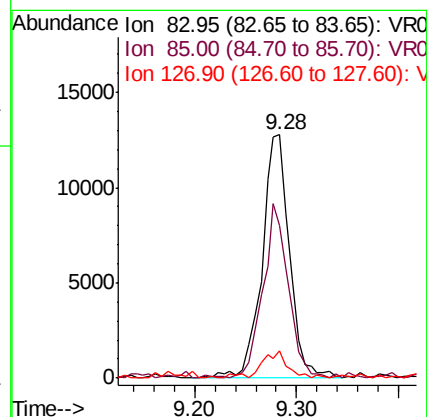
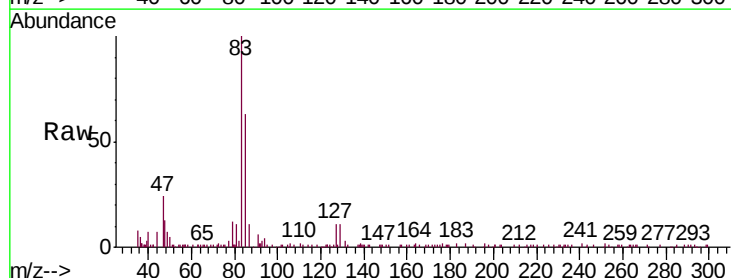
Tgt Ion: 83 Resp: 23996

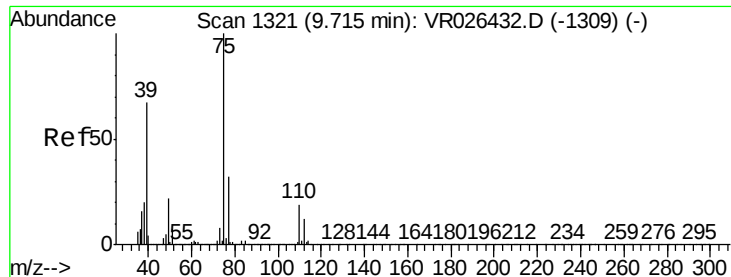
Ion Ratio Lower Upper

83 100

85 62.9 46.6 86.6

127 11.0 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 0.366 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

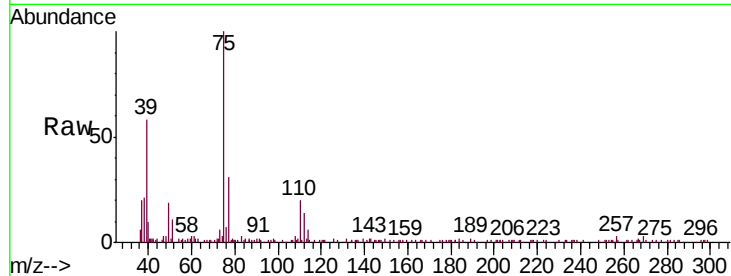
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Tgt Ion: 75 Resp: 19943

Ion Ratio Lower Upper

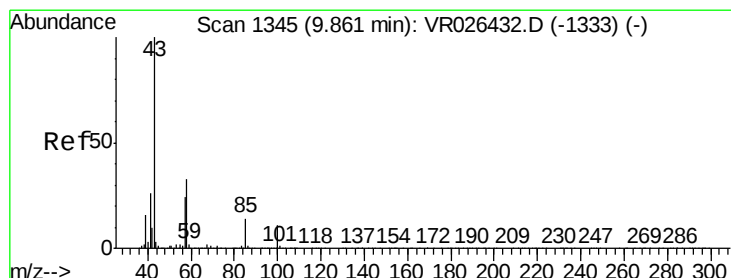
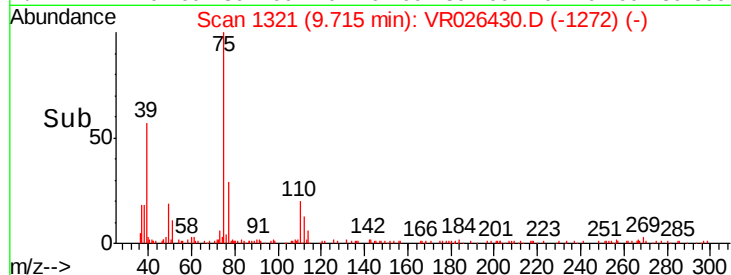
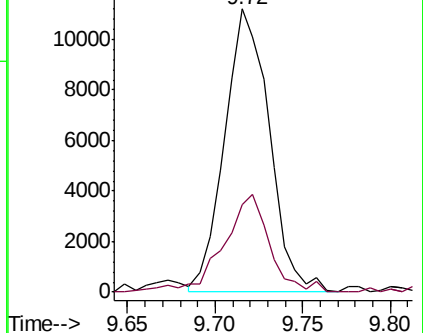
75 100

77 30.7 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 3.151 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

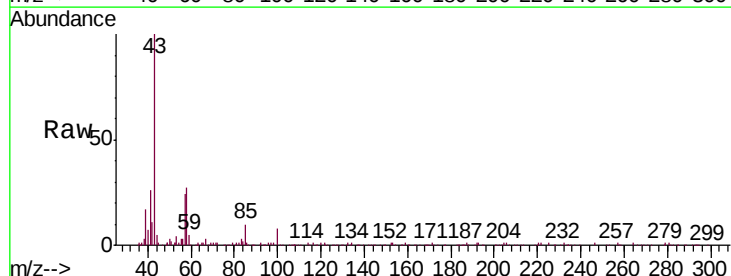
Tgt Ion: 43 Resp: 43132

Ion Ratio Lower Upper

43 100

58 31.8 27.0 40.4

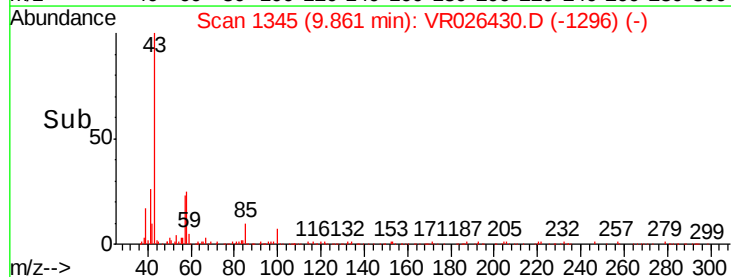
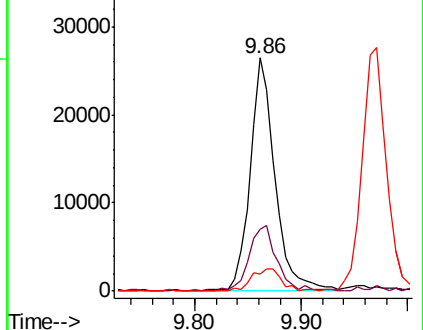
100 11.6 8.9 13.3

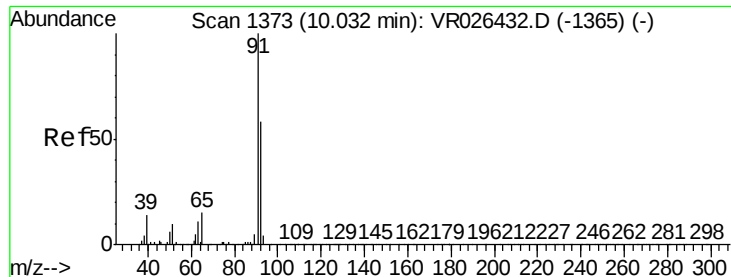


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.399 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

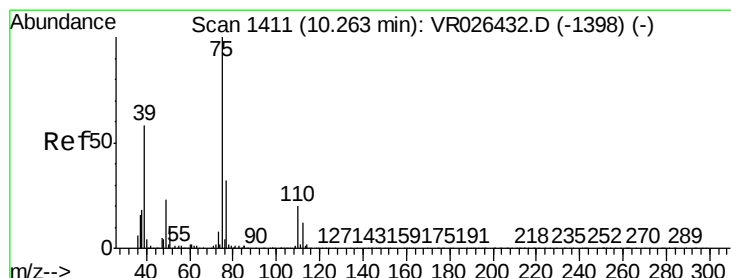
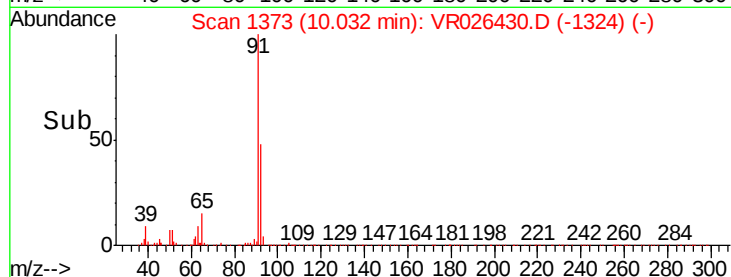
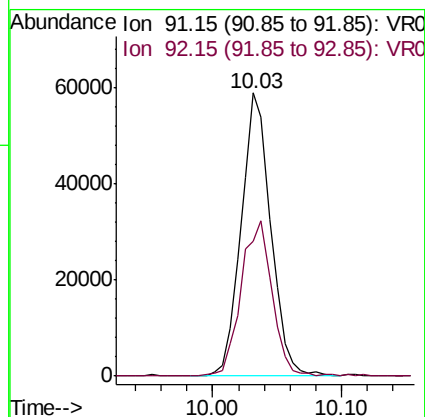
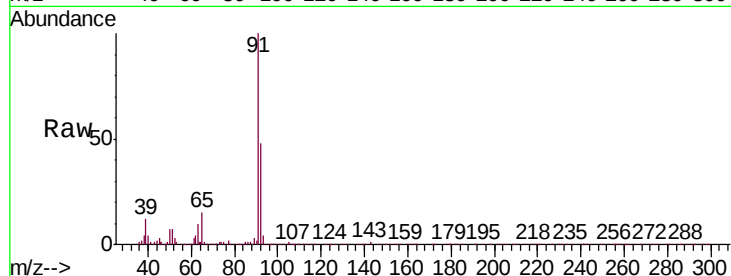
VSTD0.582

Tgt Ion: 91 Resp: 93576

Ion Ratio Lower Upper

91 100

92 47.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 0.377 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026430.D

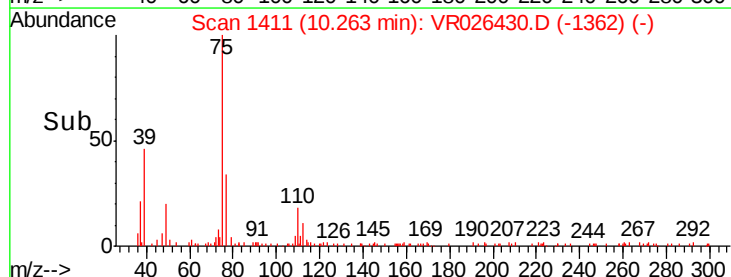
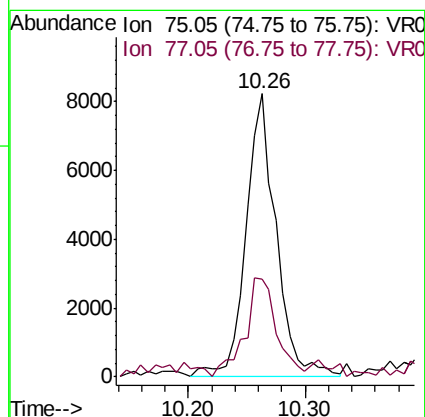
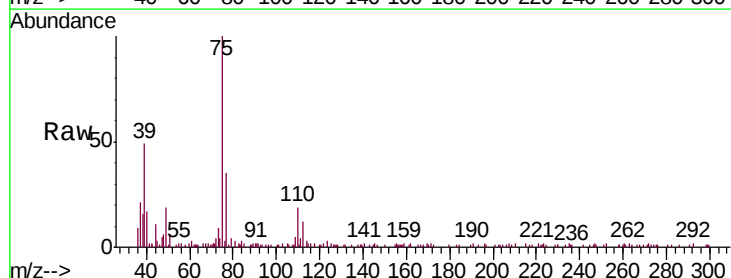
Acq: 3 Apr 2019 15:25

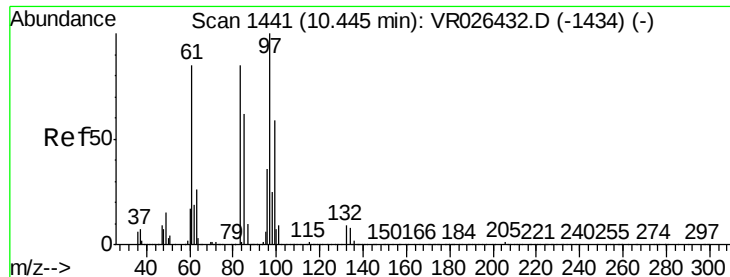
Tgt Ion: 75 Resp: 14846

Ion Ratio Lower Upper

75 100

77 34.7 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 0.450 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.582

Tgt Ion: 97 Resp: 9168

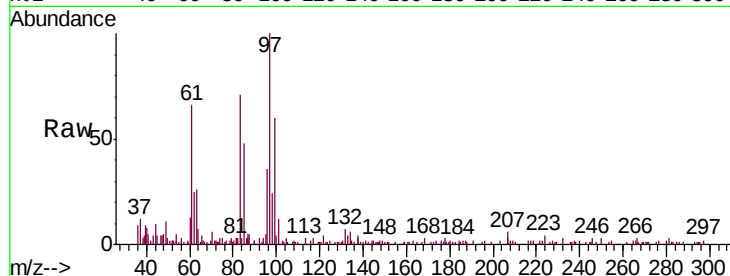
Ion Ratio Lower Upper

97 100

99 60.0 41.7 77.5

83 70.6 59.5 110.5

85 47.7 43.0 80.0

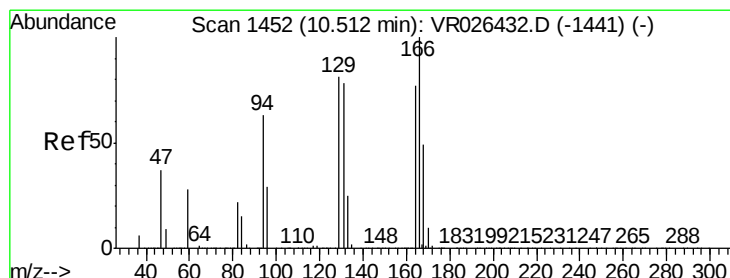
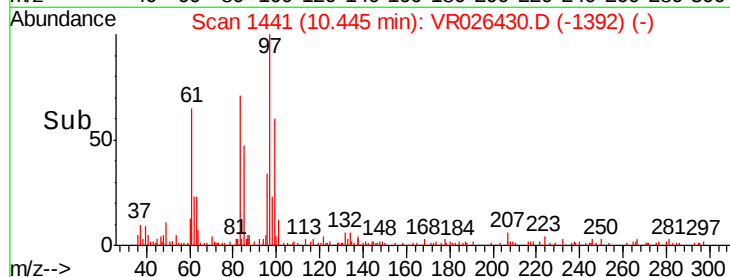
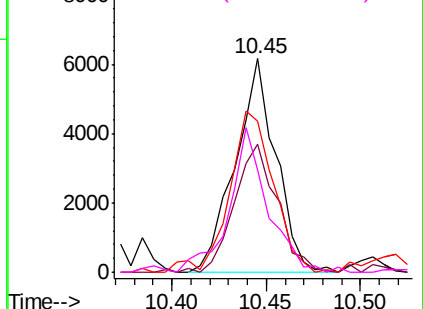


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 0.471 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Tgt Ion: 164 Resp: 19980

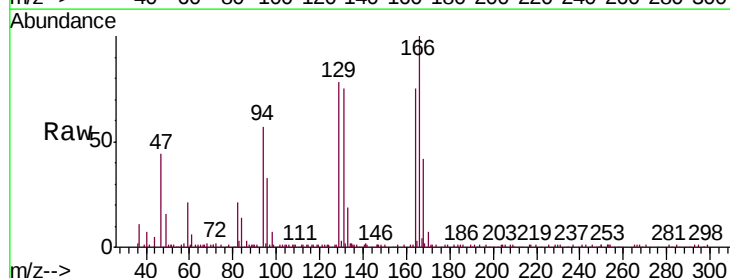
Ion Ratio Lower Upper

164 100

129 103.1 74.1 137.5

131 99.1 71.3 132.5

166 132.7 90.9 168.9

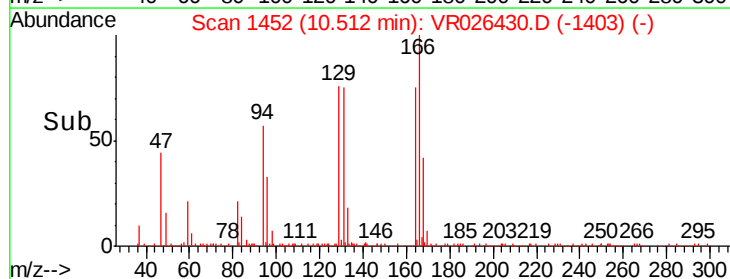
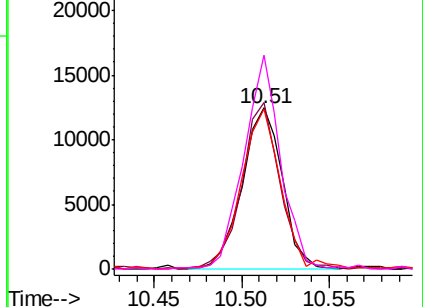


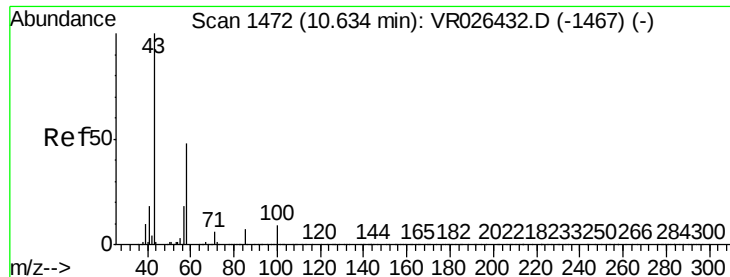
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

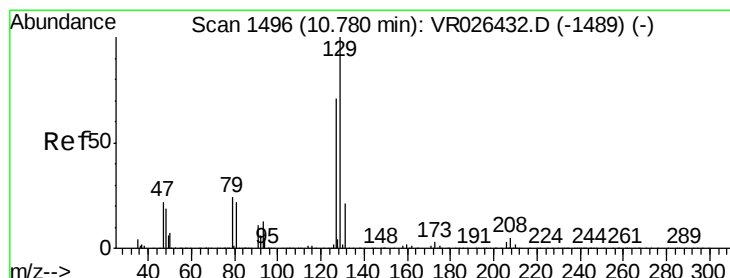
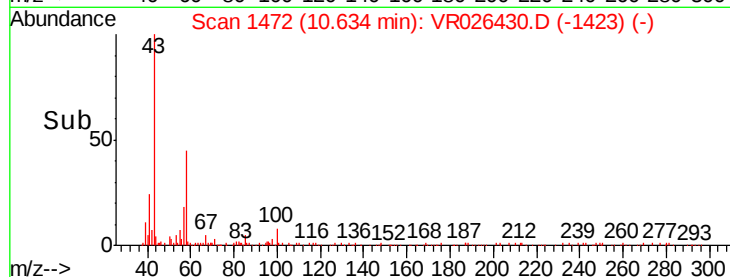
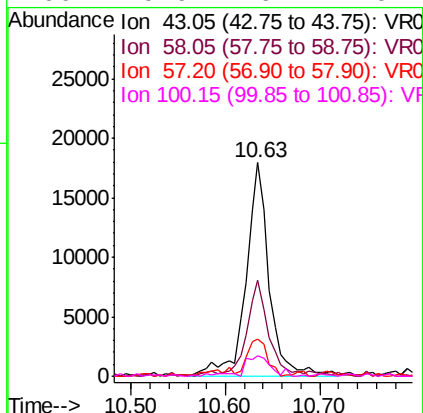
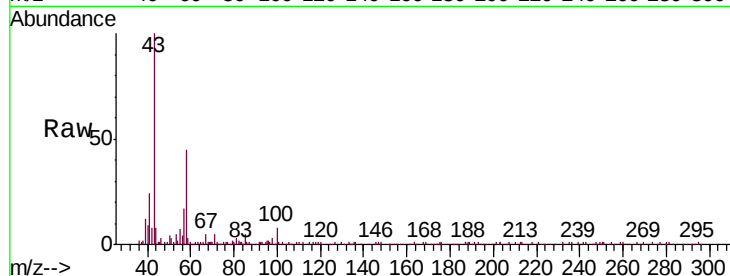




#48
2-Hexanone
Concen: 3.247 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

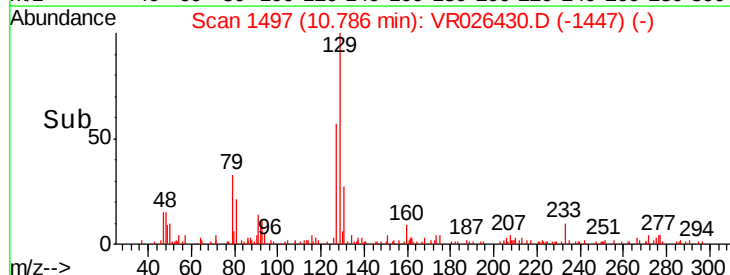
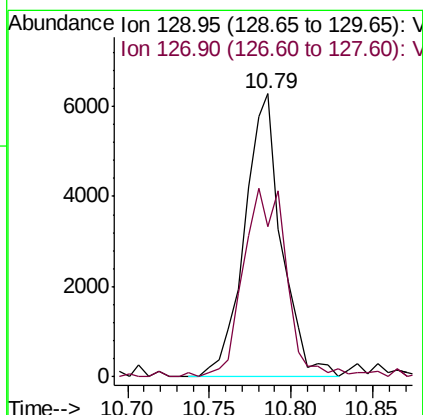
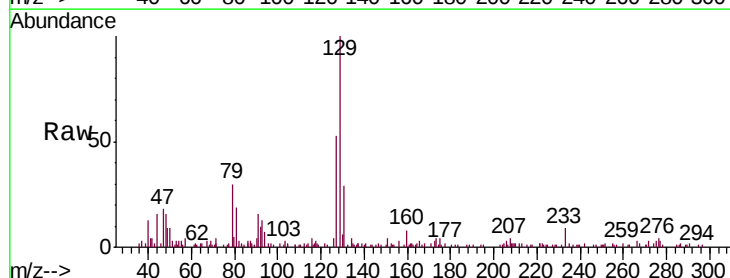
Instrument :
MSVOA_R
ClientSampled :
VSTD0.582

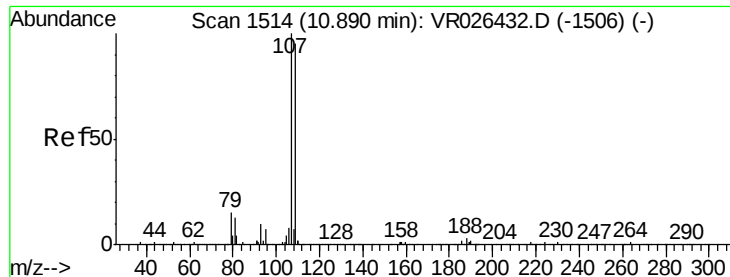
Tgt Ion:	43	Resp:	30669
Ion	Ratio	Lower	Upper
43	100		
58	39.2	38.2	57.2
57	15.0	13.8	20.6
100	9.9	6.2	9.2#



#49
Dibromochloromethane
Concen: 0.389 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion:	129	Resp:	9878
Ion	Ratio	Lower	Upper
129	100		
127	53.1	50.2	93.2

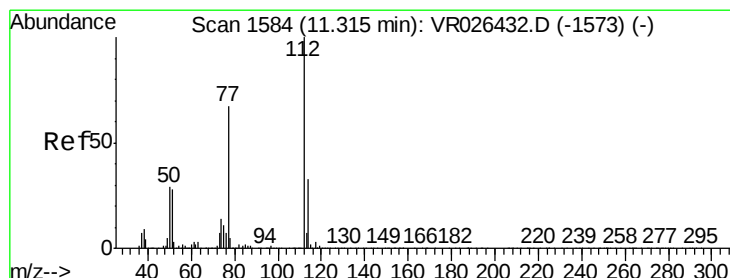
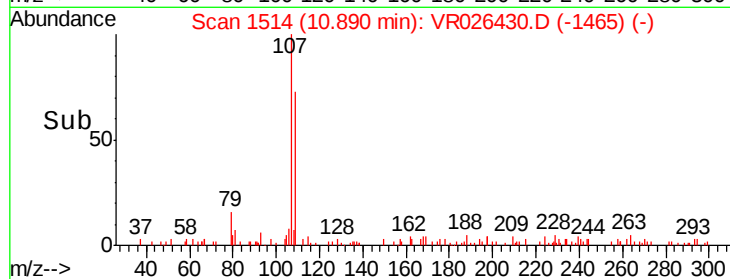
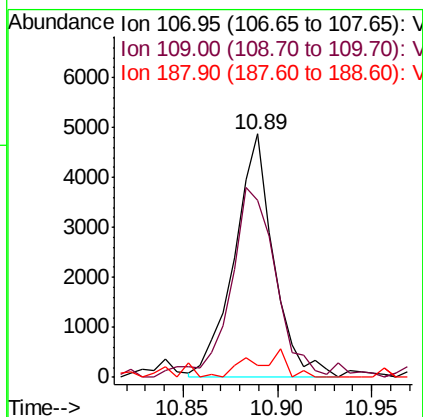
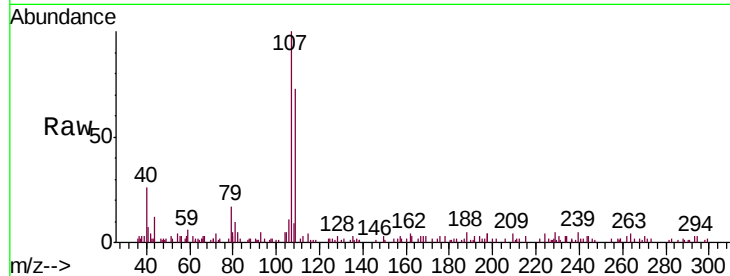




#50
1,2-Dibromoethane
Concen: 0.434 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

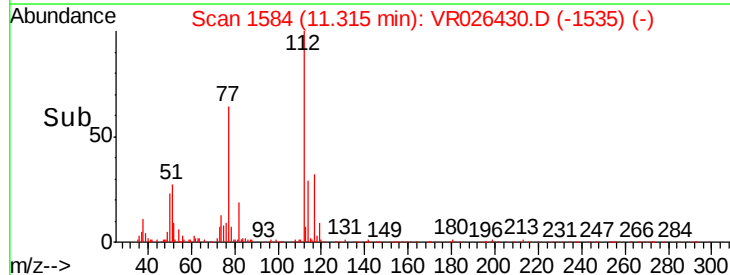
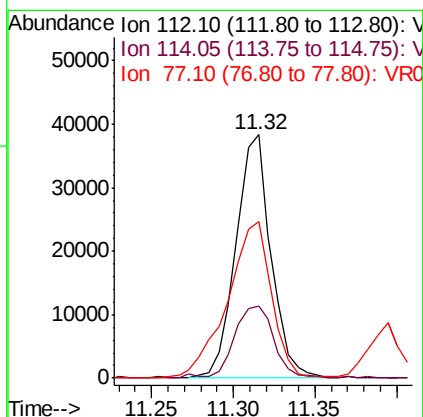
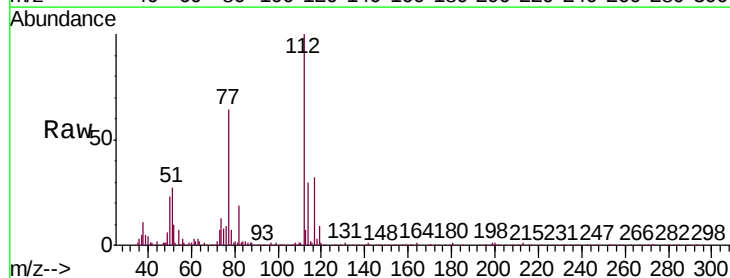
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

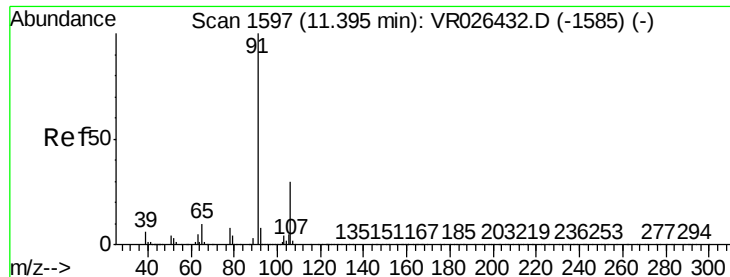
Tgt Ion:107 Resp: 7042
Ion Ratio Lower Upper
107 100
109 72.6 66.8 124.2
188 5.1 2.8 4.2#



#51
Chlorobenzene
Concen: 0.450 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion:112 Resp: 57470
Ion Ratio Lower Upper
112 100
114 29.6 23.1 42.9
77 64.3 53.8 80.8





#52

Ethylbenzene

Concen: 0.404 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

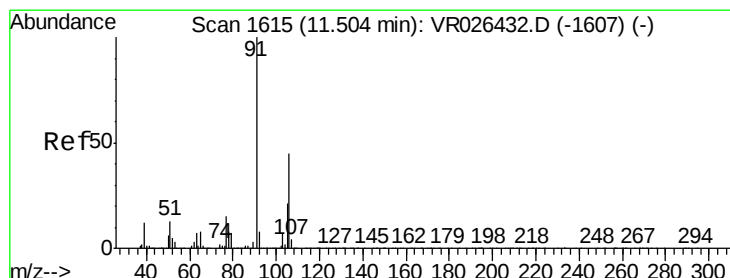
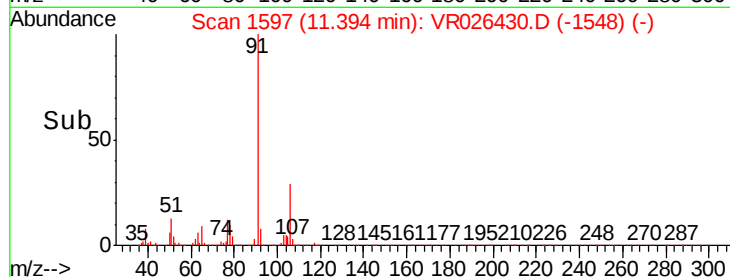
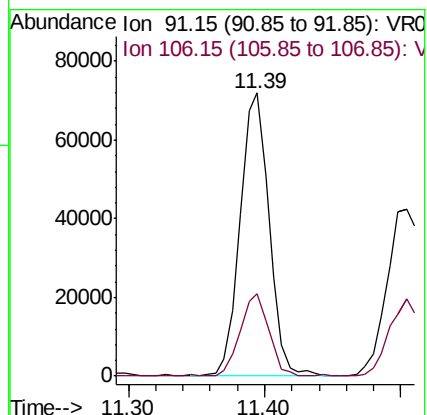
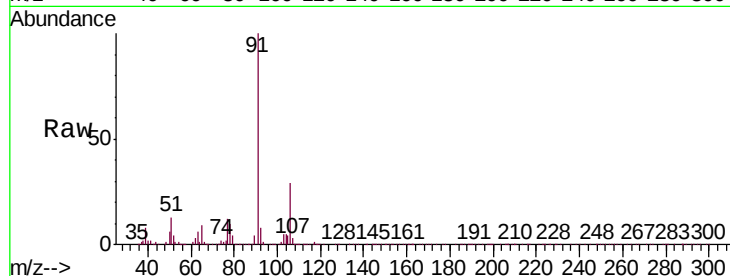
VSTD0.582

Tgt Ion: 91 Resp: 106476

Ion Ratio Lower Upper

91 100

106 29.2 20.7 38.5



#53

m,p-Xylene

Concen: 0.364 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026430.D

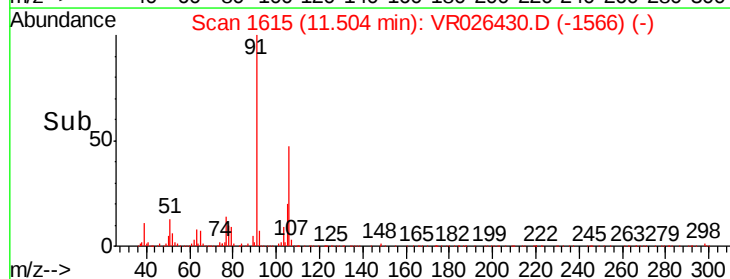
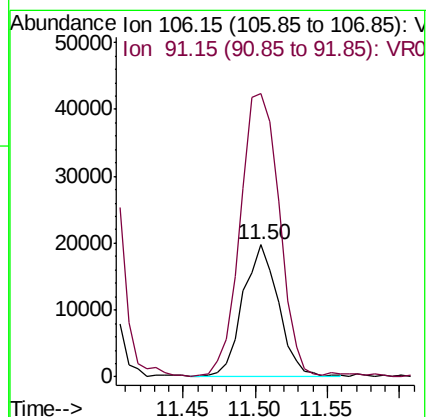
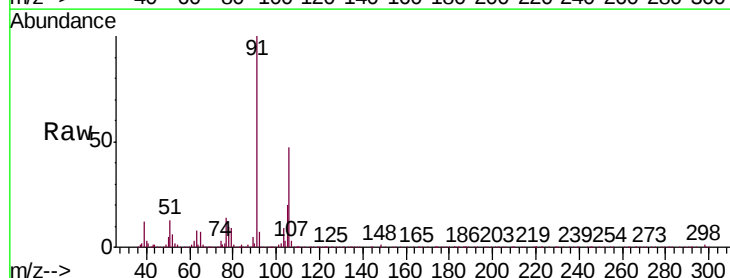
Acq: 3 Apr 2019 15:25

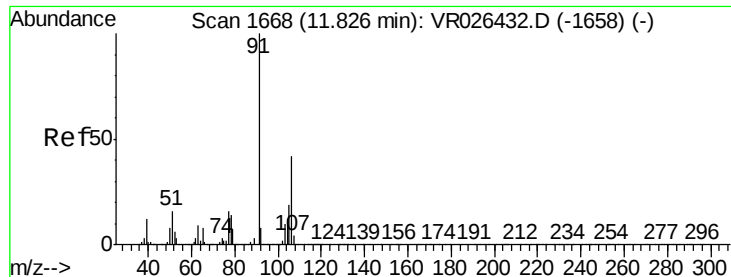
Tgt Ion: 106 Resp: 33971

Ion Ratio Lower Upper

106 100

91 214.5 155.6 289.0

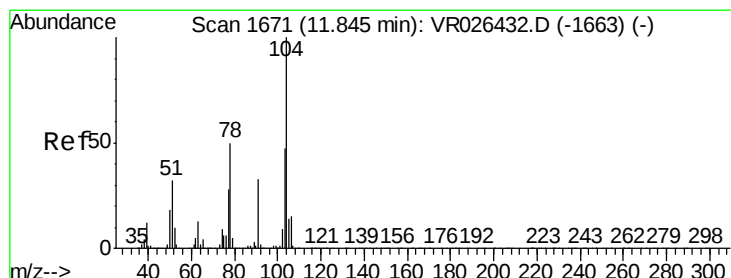
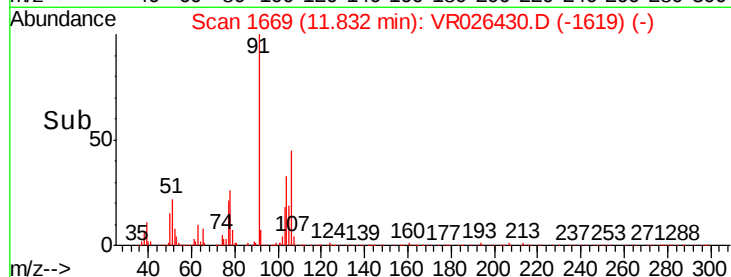
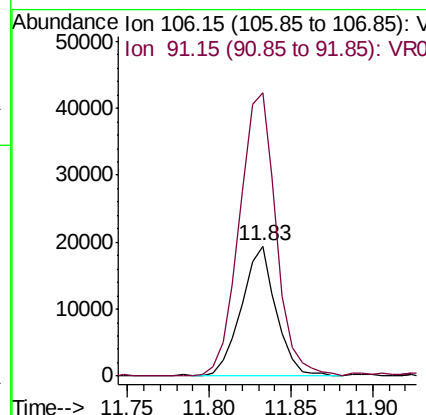
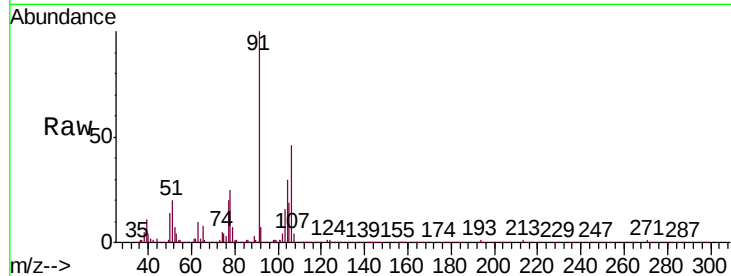




#54
o-Xylene
Concen: 0.347 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

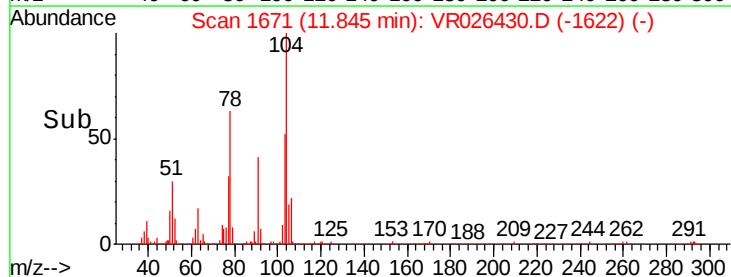
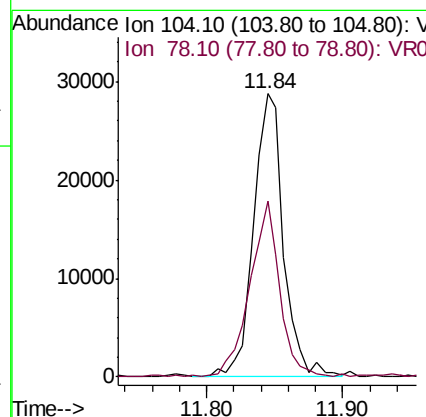
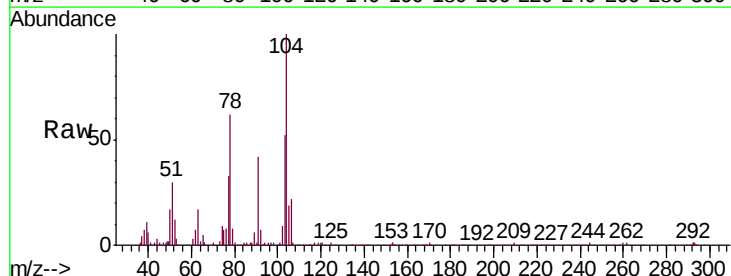
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

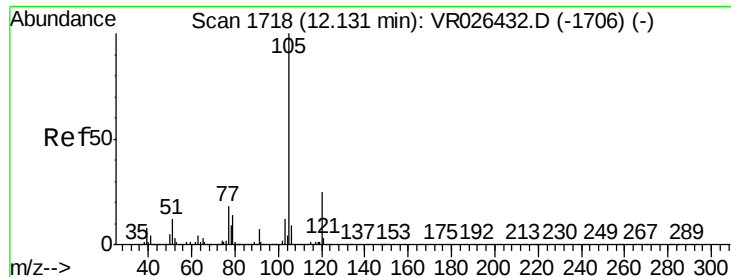
Tgt Ion:106 Resp: 28490
Ion Ratio Lower Upper
106 100
91 218.1 166.2 308.6



#55
Styrene
Concen: 0.341 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026430.D
Acq: 3 Apr 2019 15:25

Tgt Ion:104 Resp: 44381
Ion Ratio Lower Upper
104 100
78 62.3 35.2 65.4





#56

Isopropylbenzene

Concen: 0.347 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.582

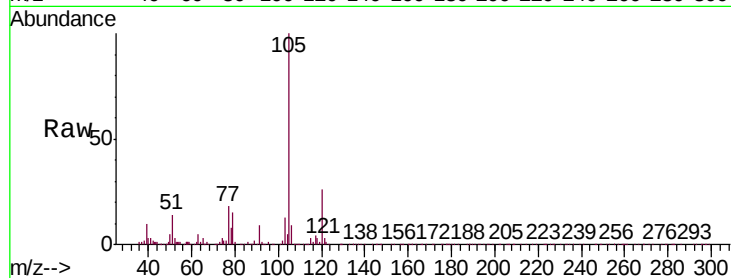
Tgt Ion: 105 Resp: 81172

Ion Ratio Lower Upper

105 100

120 26.7 20.2 30.2

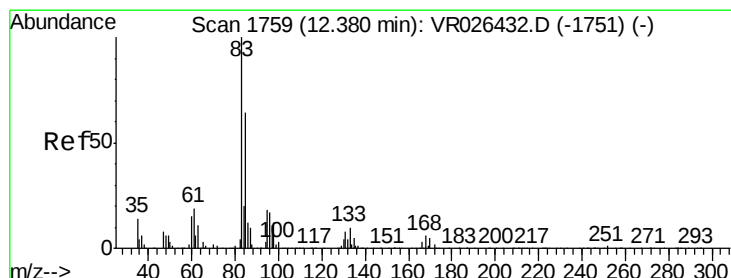
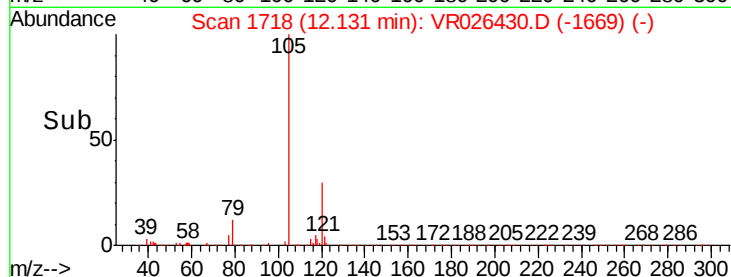
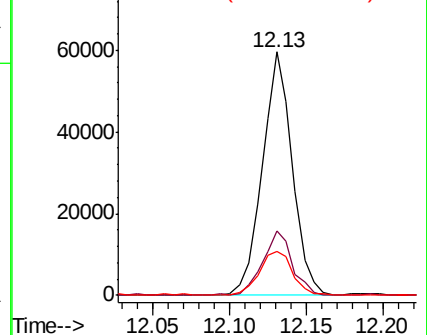
77 20.0 14.7 22.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.496 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

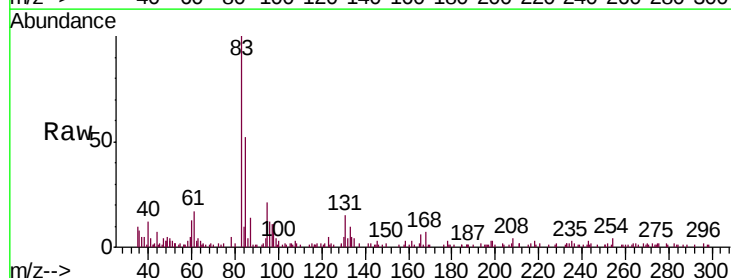
Tgt Ion: 83 Resp: 9230

Ion Ratio Lower Upper

83 100

85 51.9 45.1 83.7

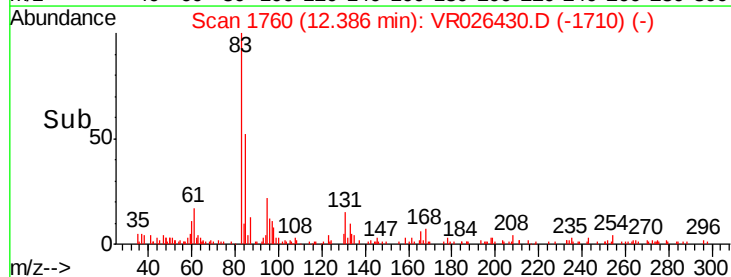
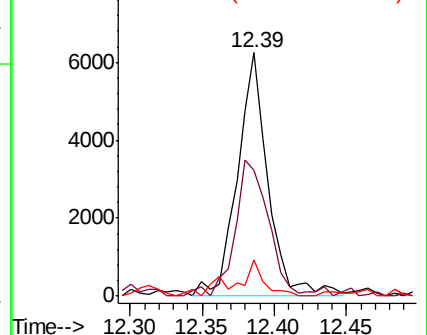
131 15.1 6.9 10.3#

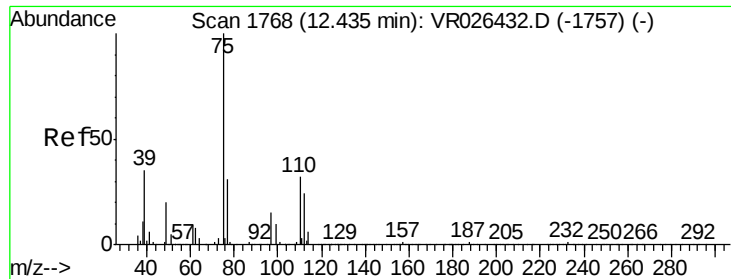


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.470 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

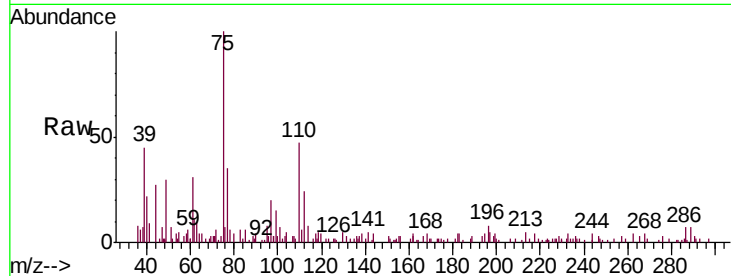
VSTD0.582

Tgt Ion: 75 Resp: 6519

Ion Ratio Lower Upper

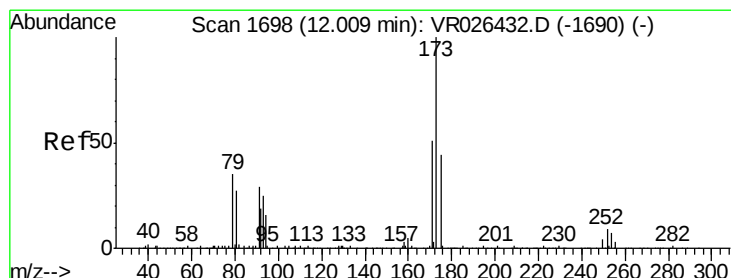
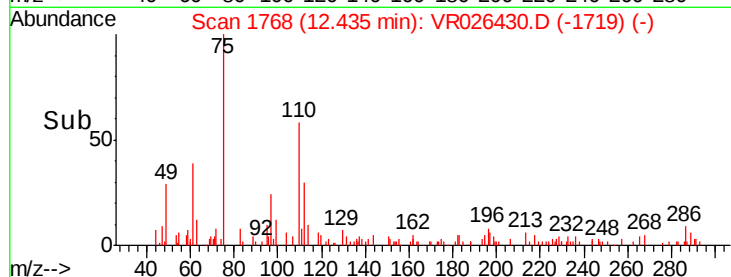
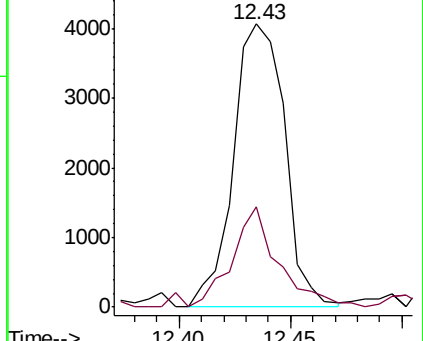
75 100

77 33.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.397 ug/L

RT: 12.01 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

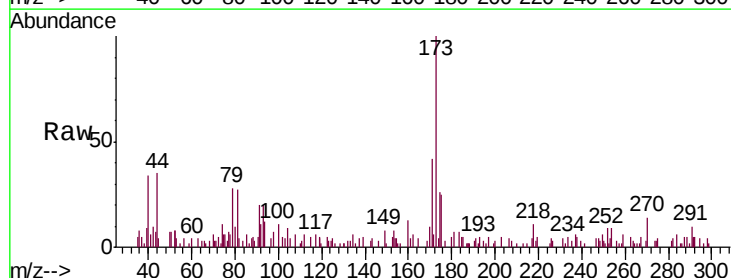
Tgt Ion: 173 Resp: 3892

Ion Ratio Lower Upper

173 100

175 58.1 36.6 54.8#

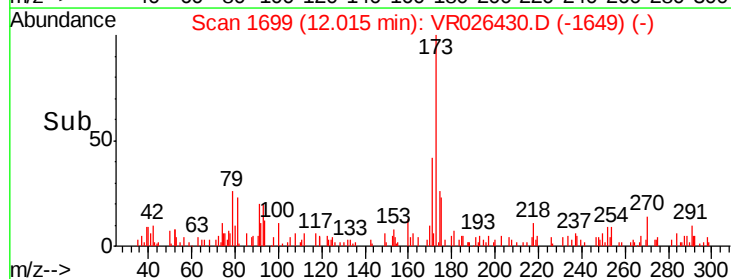
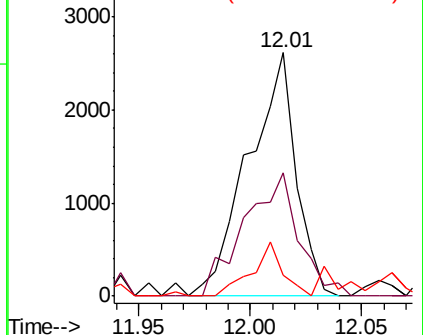
254 14.3 8.0 12.0#

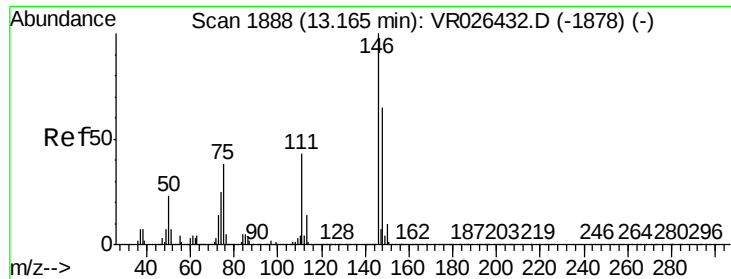


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

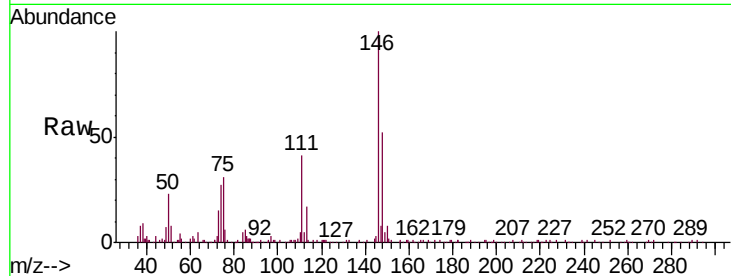




#62
 1,3-Dichlorobenzene
 Concen: 0.416 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.582

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	30.4	56.5
148	51.5	45.4	84.2

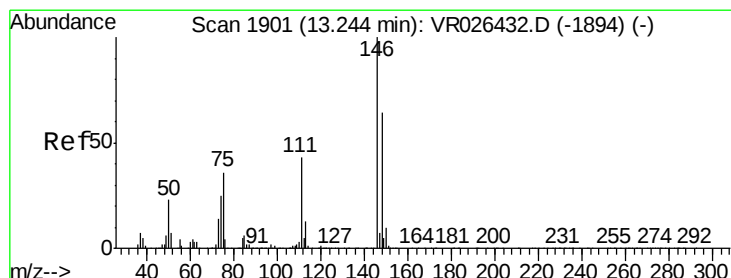
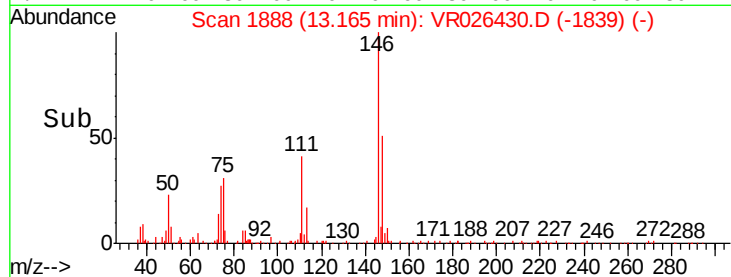
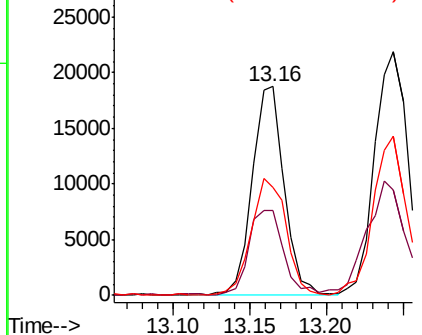


Abundance

Ion 145.95 (145.65 to 146.65): V

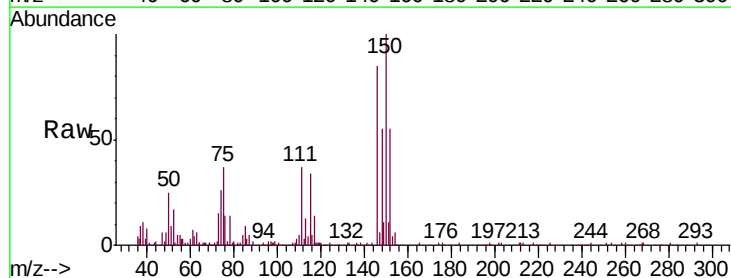
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 0.461 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.5	56.7
148	65.2	45.0	83.6

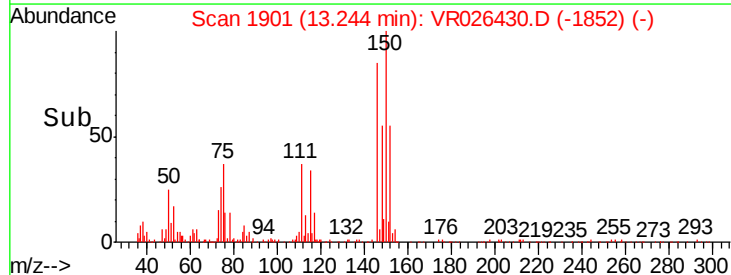
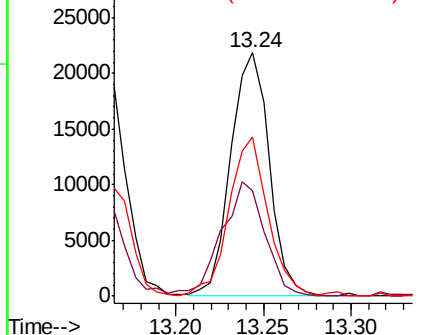


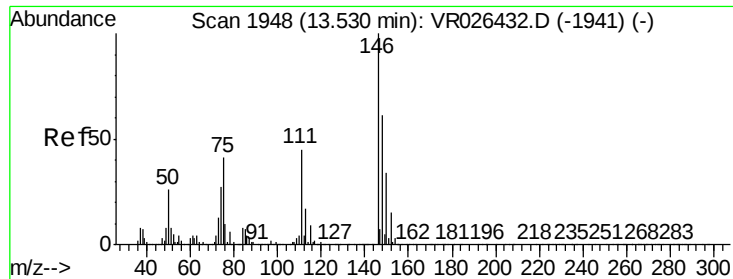
Abundance

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

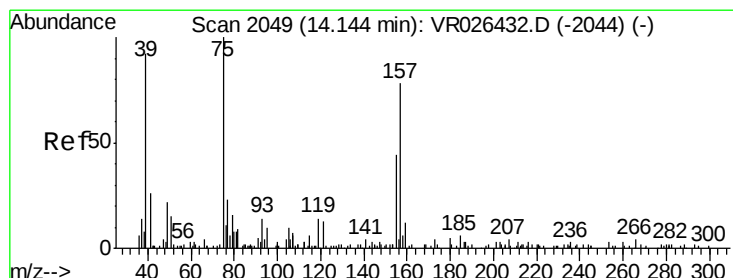
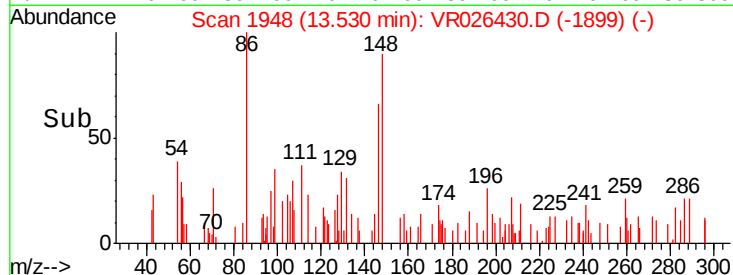
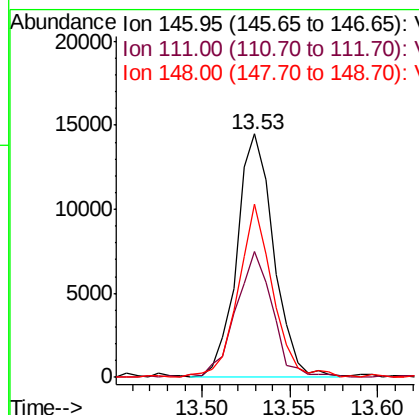
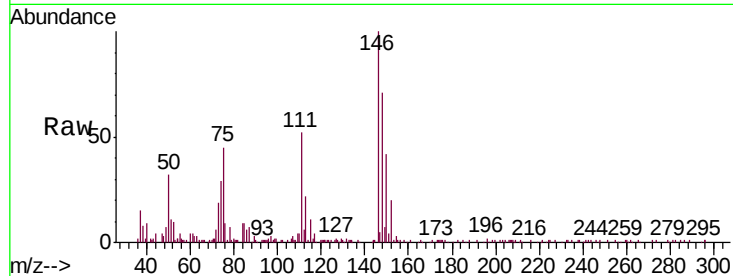




#65
 1,2-Dichlorobenzene
 Concen: 0.394 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

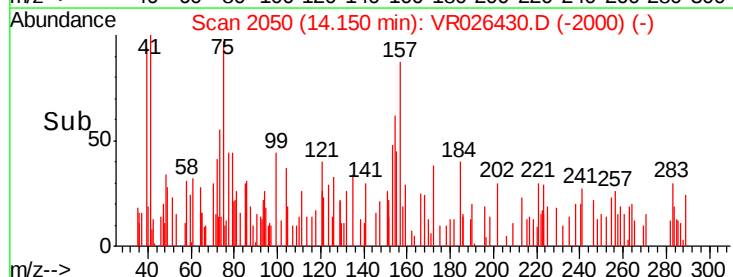
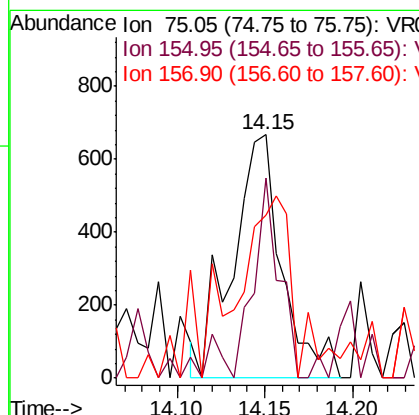
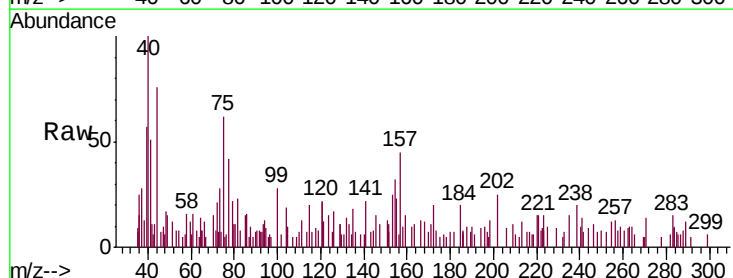
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.582

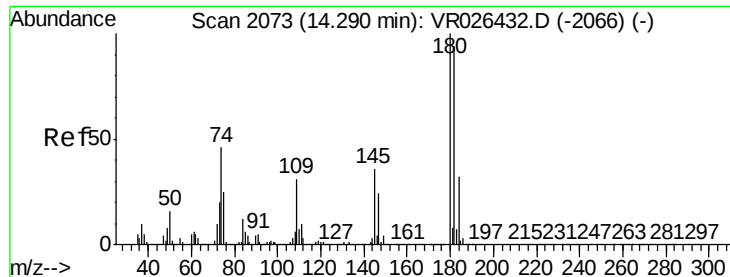
Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.6	35.8	53.6
148	70.9	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.653 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026430.D
 Acq: 3 Apr 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	36.1	54.1#
157	66.8	62.4	93.6





#67

1,3,5-Trichlorobenzene

Concen: 0.418 ug/L

RT: 14.29 min Scan# 2073

Delta R.T. -0.00 min

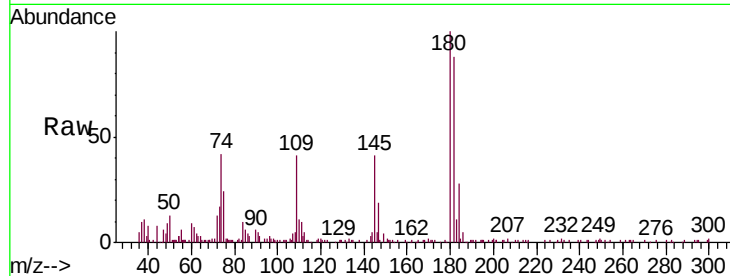
Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.582

Tgt Ion:180 Resp: 17036

Ion	Ratio	Lower	Upper
180	100		
182	100.7	75.8	113.6
184	32.5	25.0	37.4
145	37.3	28.0	42.0

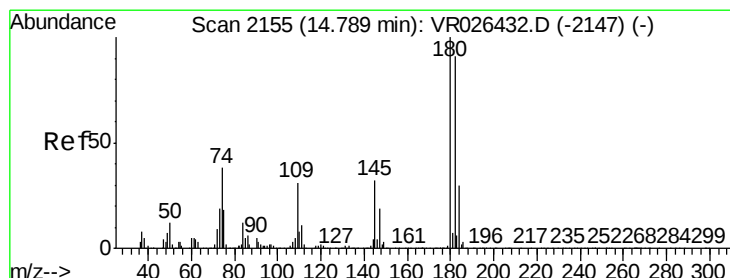
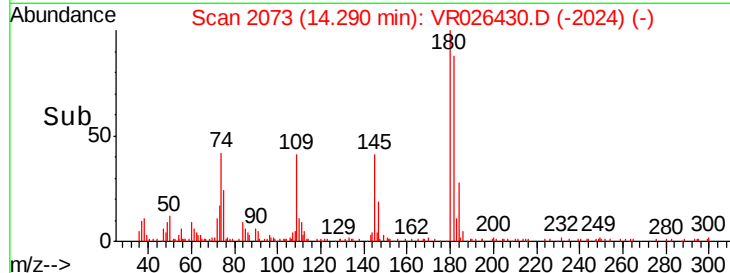
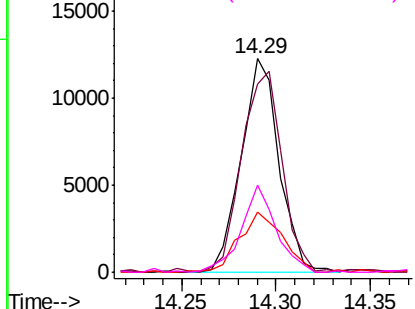


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.379 ug/L

RT: 14.79 min Scan# 2155

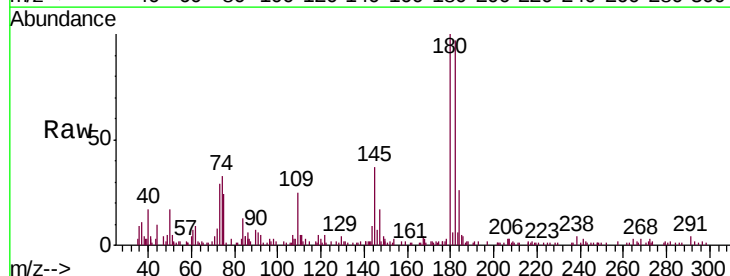
Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Tgt Ion:180 Resp: 8856

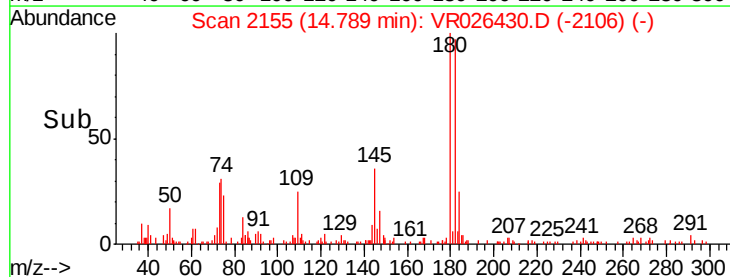
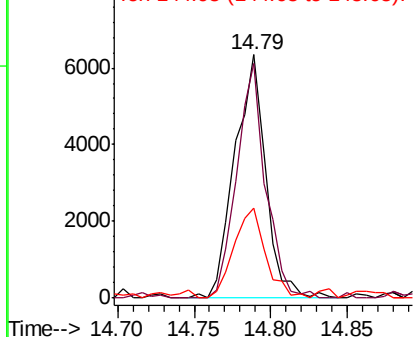
Ion	Ratio	Lower	Upper
180	100		
182	90.4	73.0	109.6
145	38.0	26.7	40.1

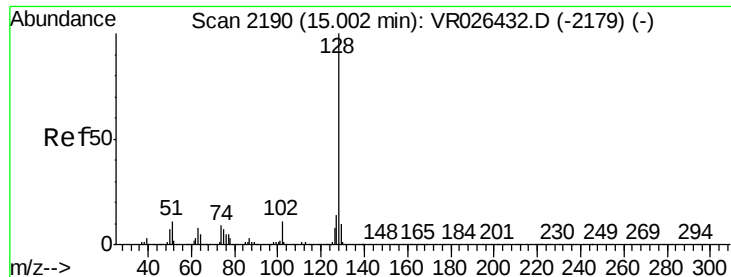


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.326 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.582

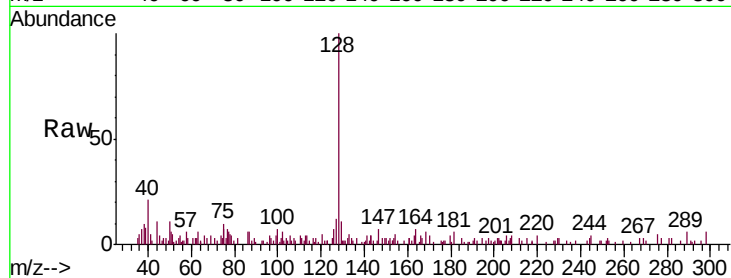
Tgt Ion:128 Resp: 7067

Ion Ratio Lower Upper

128 100

127 16.6 11.4 17.0

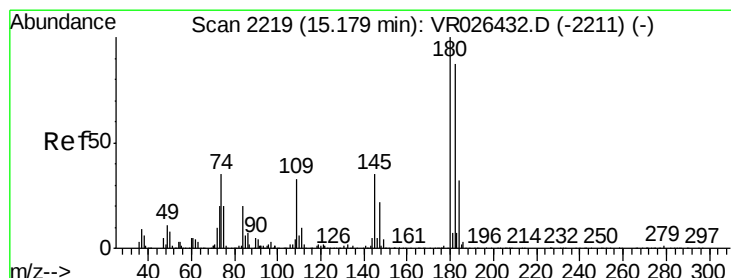
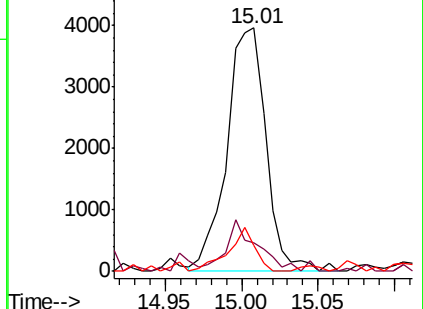
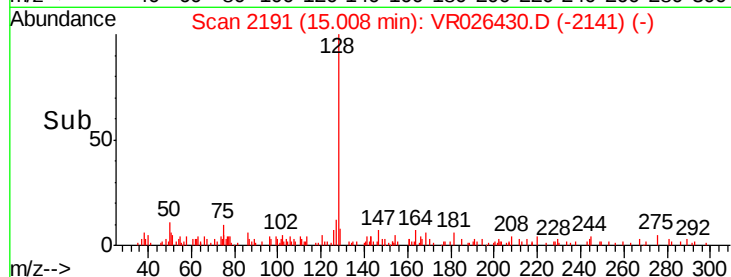
129 12.2 9.0 13.4



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: 0.377 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026430.D

Acq: 3 Apr 2019 15:25

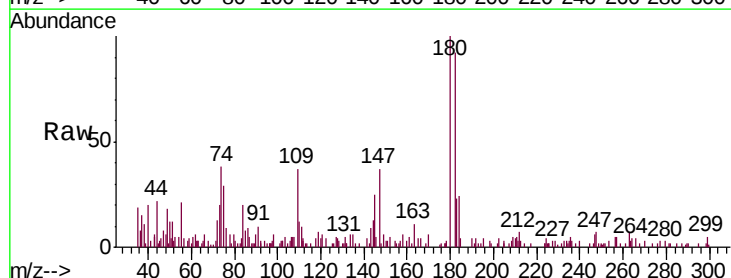
Tgt Ion:180 Resp: 6177

Ion Ratio Lower Upper

180 100

182 99.0 73.1 109.7

145 45.6 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

