

Data File : VR026337.D
Acq On : 19 Feb 2019 14:31
Operator : SY/MD
Sample : VSTD0.590
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

Quant Time: Feb 19 16:08:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 16:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	698450	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	556042	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	186629	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	31829	0.50	ug/L	0.00
7) Chloroethane-d5	2.63	69	27547	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	80023	0.52	ug/L	0.00
20) 2-Butanone-d5	6.58	46	16341	4.02	ug/L	0.00
24) Chloroform-d	7.20	84	52131	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	19103	0.50	ug/L	0.00
32) Benzene-d6	7.85	84	86912	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	22921	0.47	ug/L	0.00
41) Toluene-d8	9.97	98	73127	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	5853	0.45	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	8561	2.88	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9753	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	14845	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	30649	0.476 ug/L	98
3) Chloromethane	2.01	50	42113	0.573 ug/L	96
5) Vinyl chloride	2.16	62	40480	0.547 ug/L	92
6) Bromomethane	2.52	94	25877	0.544 ug/L	99
8) Chloroethane	2.65	64	25345	0.570 ug/L	90
9) Trichlorofluoromethane	2.93	101	27198	0.227 ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	33470	0.528 ug/L	98
12) 1,1-Dichloroethene	3.63	96	36829	0.552 ug/L	96
13) Acetone	3.70	43	24759	5.781 ug/L	98
14) Carbon disulfide	3.93	76	114701	0.526 ug/L #	92
15) Methyl Acetate	4.20	43	7688	0.652 ug/L #	67
16) Methylene chloride	4.40	84	36687	0.649 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	28580	0.488 ug/L #	91
18) trans-1,2-Dichloroethene	4.88	96	31305	0.517 ug/L	96
19) 1,1-Dichloroethane	5.69	63	53979	0.519 ug/L	95
21) 2-Butanone	6.69	43	22935	4.731 ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	21626	0.443 ug/L #	87
23) Bromochloromethane	7.05	128	7816	0.513 ug/L #	67
25) Chloroform	7.23	83	53352	0.528 ug/L	94
27) 1,2-Dichloroethane	7.99	62	22472	0.514 ug/L #	90
29) 1,1,1-Trichloroethane	7.43	97	49287	0.538 ug/L	98
30) Cyclohexane	7.52	56	27725	0.378 ug/L	93
31) Carbon tetrachloride	7.63	117	46009	0.542 ug/L	98
33) Benzene	7.90	78	106418	0.484 ug/L	100
34) Trichloroethene	8.71	95	29906	0.527 ug/L	85
35) Methylcyclohexane	8.95	83	30847	0.391 ug/L	94
37) 1,2-Dichloropropane	8.99	63	23656	0.498 ug/L	100
38) Bromodichloromethane	9.28	83	25864	0.488 ug/L	91
39) cis-1,3-Dichloropropene	9.72	75	19616	0.401 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	42890	3.917 ug/L	94

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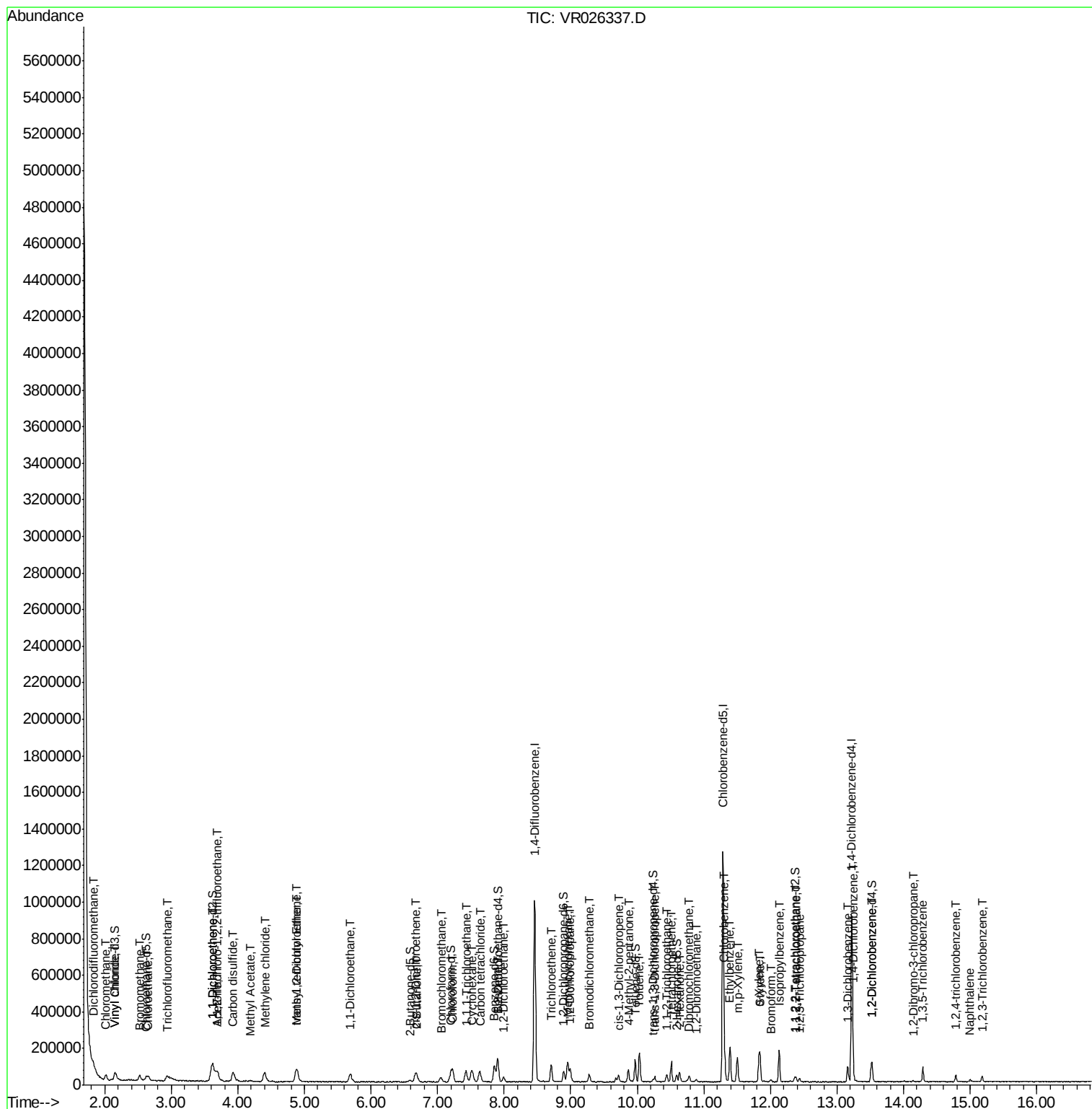
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	101767	0.450	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	15518	0.428	ug/L	91
45) 1,1,2-Trichloroethane	10.44	97	10805	0.545	ug/L	93
47) Tetrachloroethene	10.51	164	21334	0.490	ug/L	96
48) 2-Hexanone	10.63	43	32028	4.350	ug/L #	86
49) Dibromochloromethane	10.78	129	12699	0.498	ug/L	86
50) 1,2-Dibromoethane	10.89	107	7534	0.478	ug/L #	96
51) Chlorobenzene	11.31	112	69938	0.541	ug/L	96
52) Ethylbenzene	11.39	91	112205	0.444	ug/L	100
53) m,p-Xylene	11.50	106	39547	0.428	ug/L	91
54) o-Xylene	11.83	106	28489	0.358	ug/L	94
55) Styrene	11.84	104	46414	0.371	ug/L	91
56) Isopropylbenzene	12.13	105	87311	0.385	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	9559	0.520	ug/L #	83
59) 1,2,3-Trichloropropane	12.43	75	7034	0.531	ug/L #	85
61) Bromoform	12.01	173	5241	0.570	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	30242	0.496	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	39999	0.575	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	25804	0.494	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	14.14	75	1140	0.604	ug/L #	52
67) 1,3,5-Trichlorobenzene	14.29	180	19650	0.503	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	9769	0.463	ug/L	93
69) Naphthalene	15.00	128	7443	0.393	ug/L #	85
70) 1,2,3-Trichlorobenzene	15.18	180	7997	0.525	ug/L	99

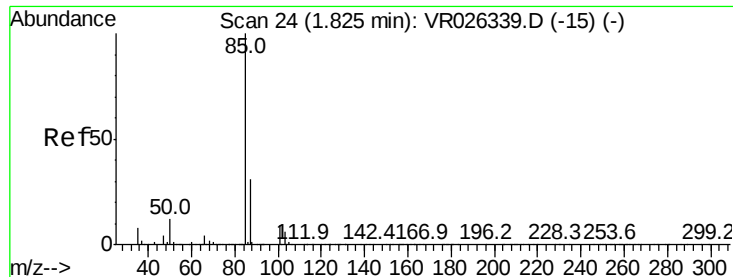
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.476 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

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Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

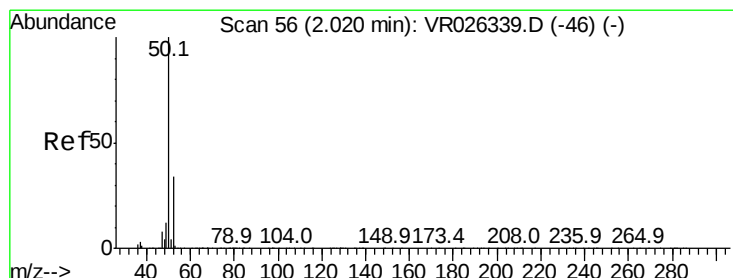
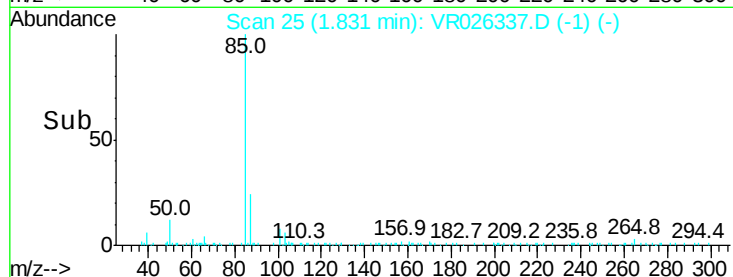
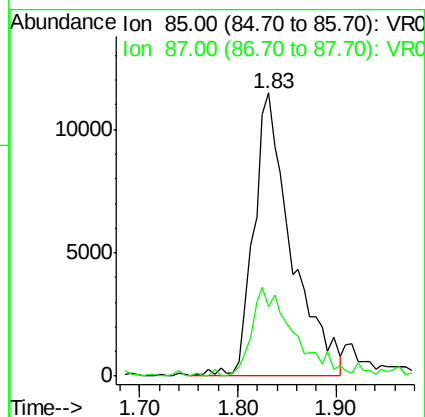
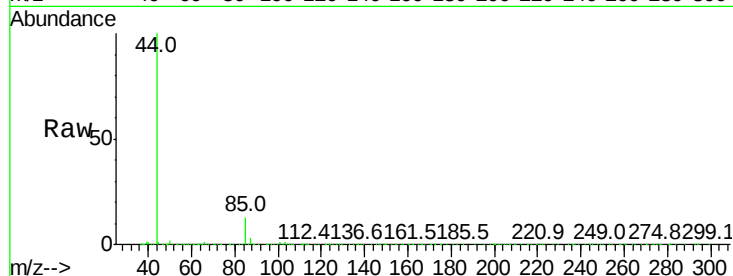
VSTD0.590

Tgt Ion: 85 Resp: 30649

Ion Ratio Lower Upper

85 100

87 34.7 26.9 40.3



#3

Chloromethane

Concen: 0.573 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026337.D

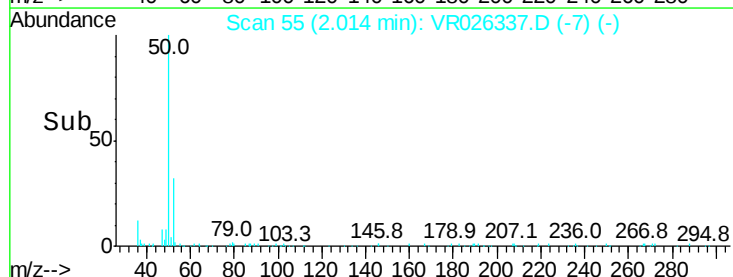
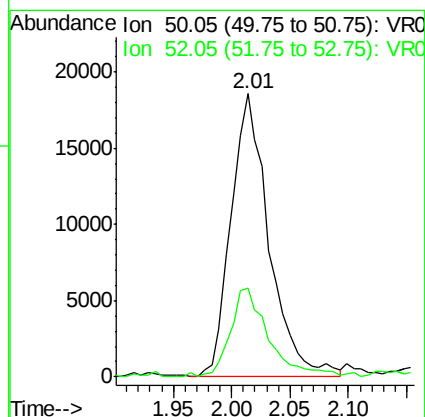
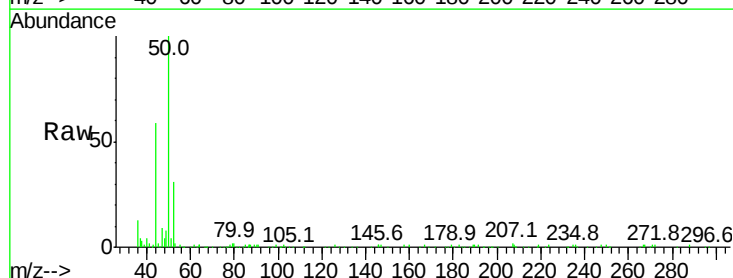
Acq: 19 Feb 2019 14:31

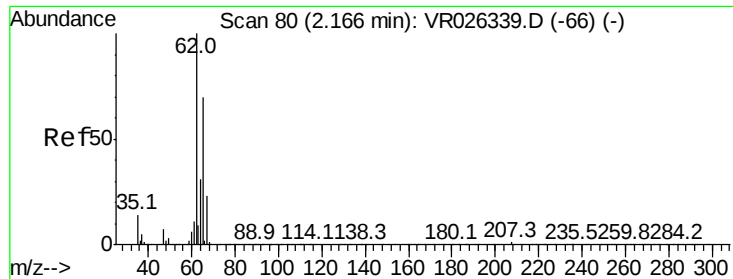
Tgt Ion: 50 Resp: 42113

Ion Ratio Lower Upper

50 100

52 31.4 23.5 43.7





#5

Vinyl chloride

Concen: 0.547 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

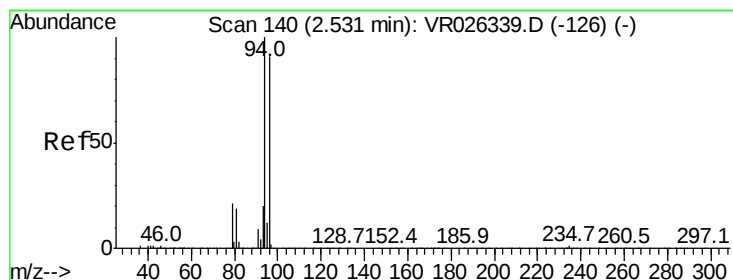
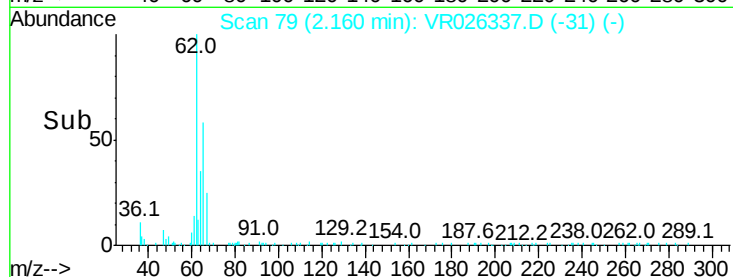
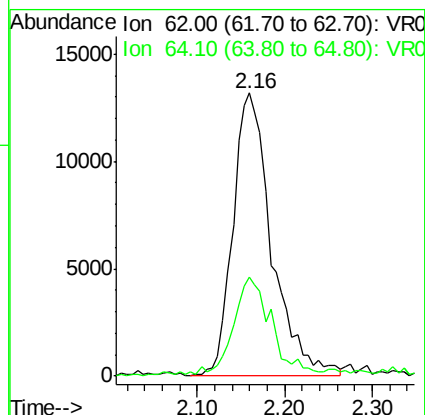
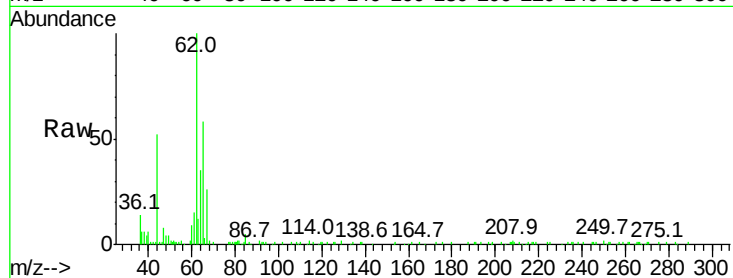
VSTD0.590

Tgt Ion: 62 Resp: 40480

Ion Ratio Lower Upper

62 100

64 35.2 21.6 40.2



#6

Bromomethane

Concen: 0.544 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026337.D

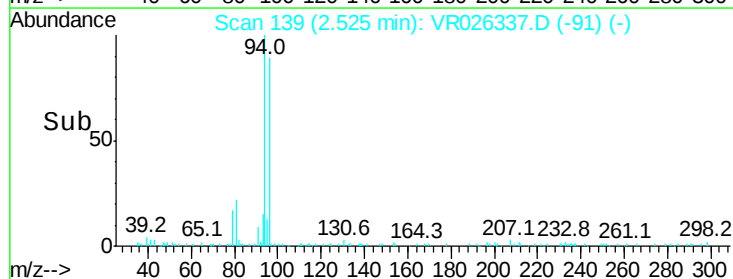
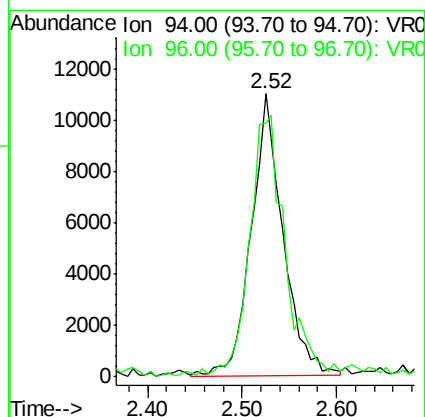
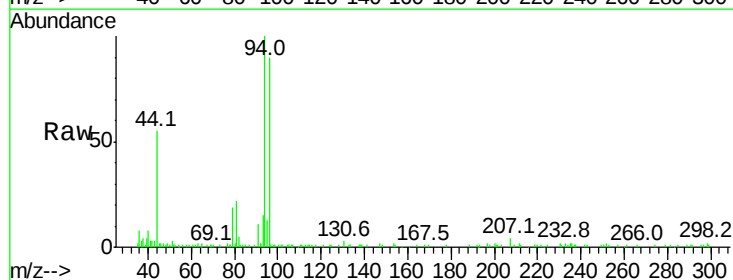
Acq: 19 Feb 2019 14:31

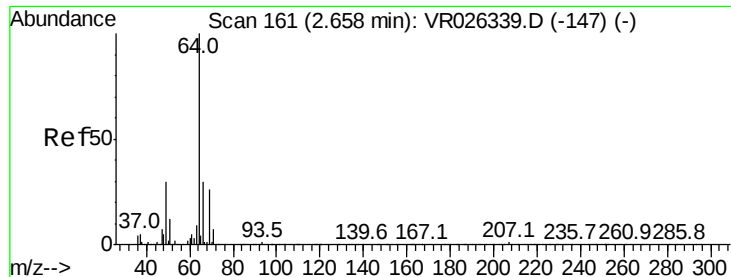
Tgt Ion: 94 Resp: 25877

Ion Ratio Lower Upper

94 100

96 89.7 63.8 118.4

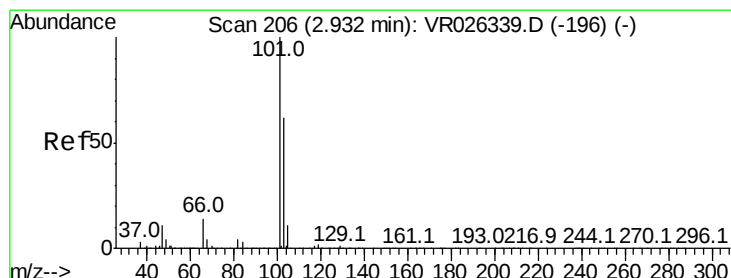
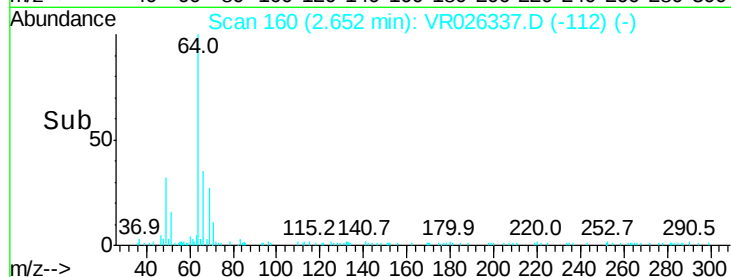
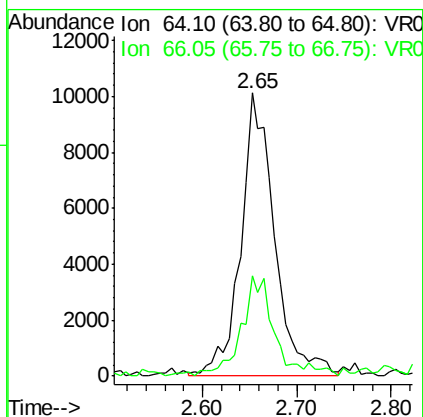
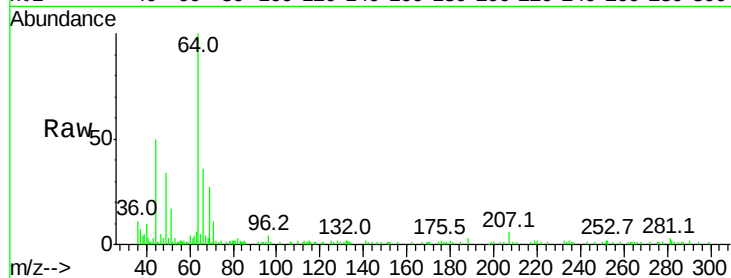




#8
Chloroethane
Concen: 0.570 ug/L
RT: 2.65 min Scan# 160
Delta R.T. -0.01 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

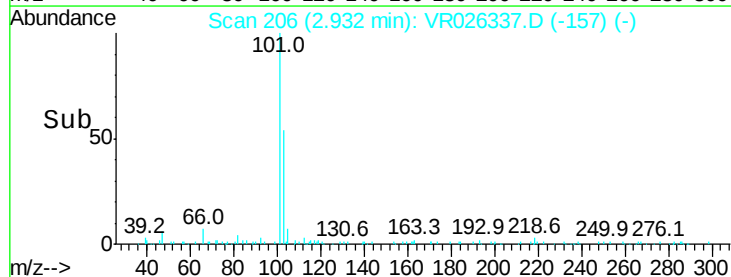
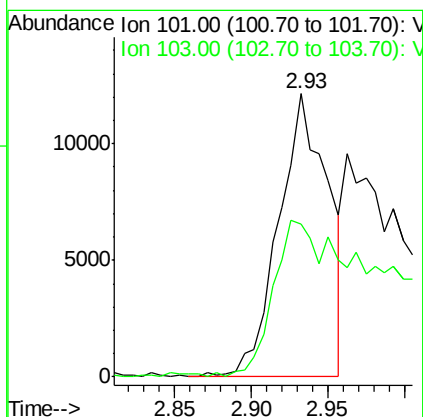
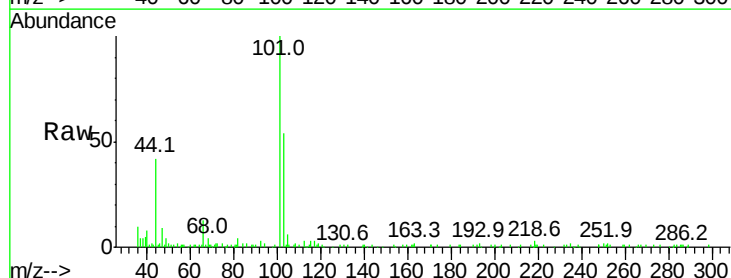
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

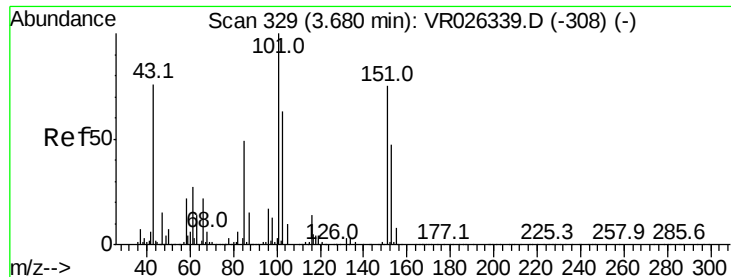
Tgt Ion: 64 Resp: 25345
Ion Ratio Lower Upper
64 100
66 35.6 21.2 39.4



#9
Trichlorofluoromethane
Concen: 0.227 ug/L
RT: 2.93 min Scan# 206
Delta R.T. 0.00 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Tgt Ion: 101 Resp: 27198
Ion Ratio Lower Upper
101 100
103 48.9 22.9 34.3#





#10

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

Concen: 0.528 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

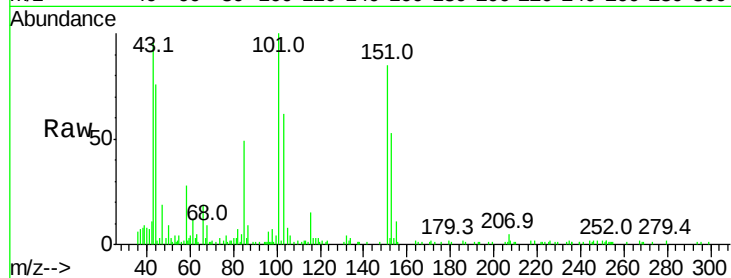
Tgt Ion:101 Resp: 33470

Ion Ratio Lower Upper

101 100

85 47.3 37.3 55.9

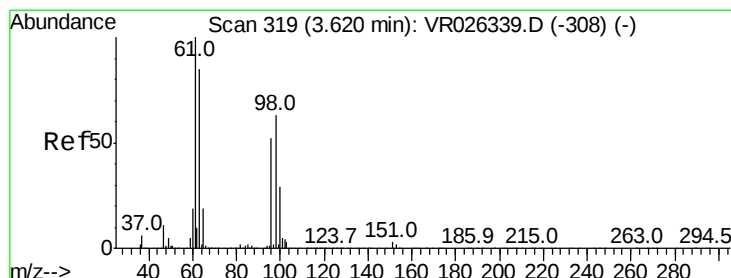
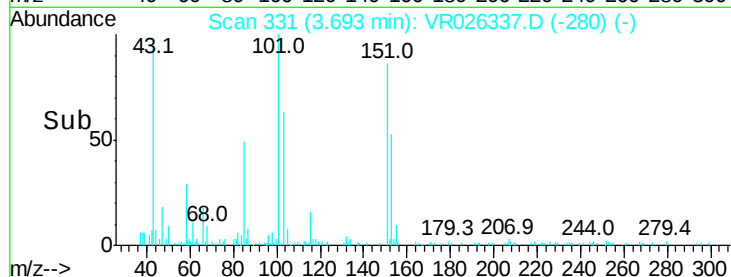
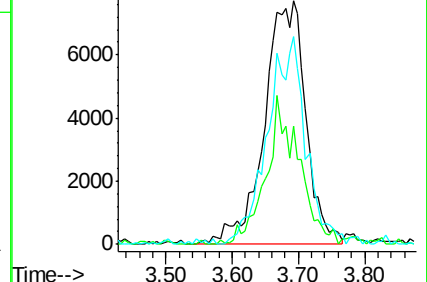
151 78.1 60.4 90.6



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: 0.552 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

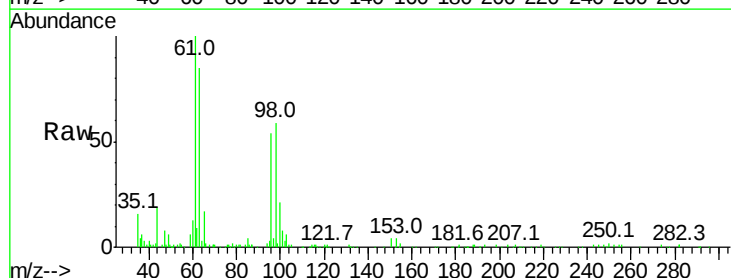
Tgt Ion: 96 Resp: 36829

Ion Ratio Lower Upper

96 100

61 186.4 134.5 249.9

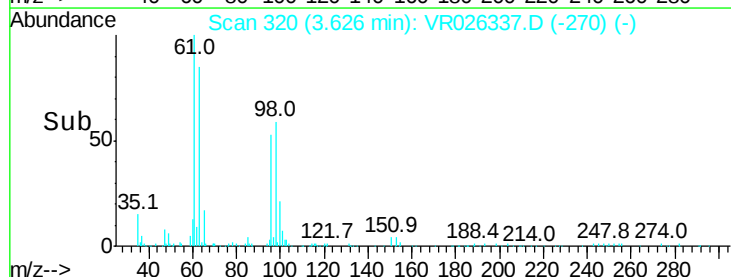
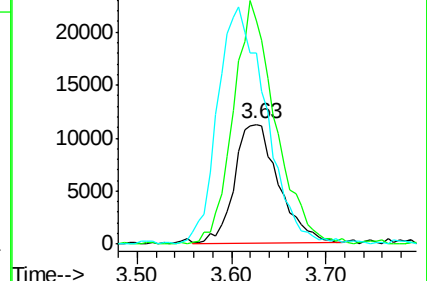
63 159.2 115.5 214.5

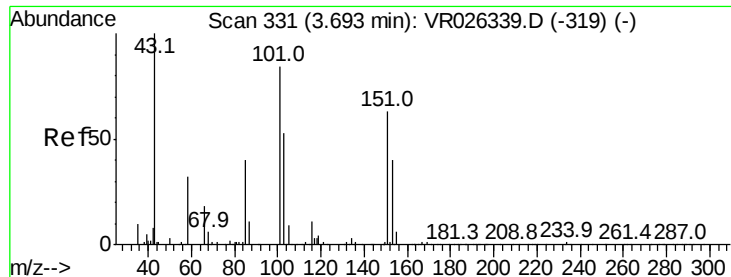


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 5.781 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

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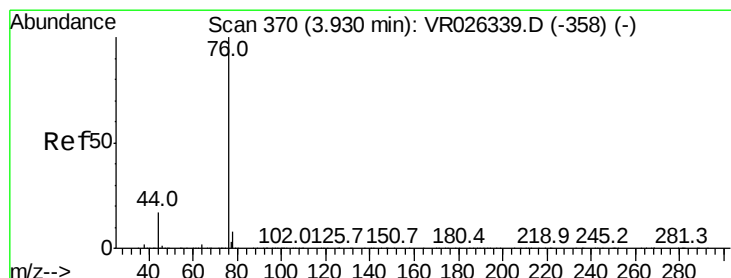
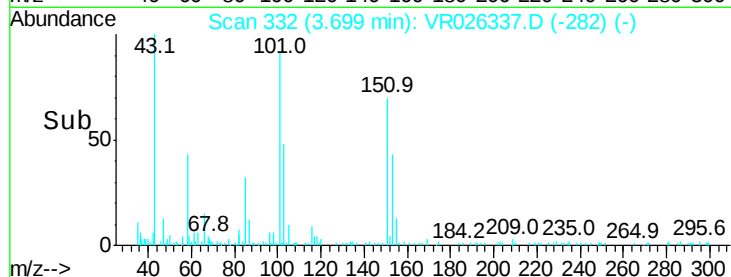
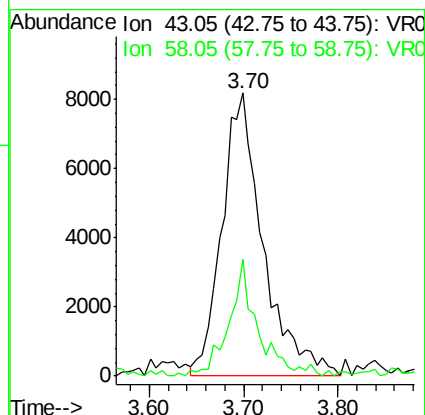
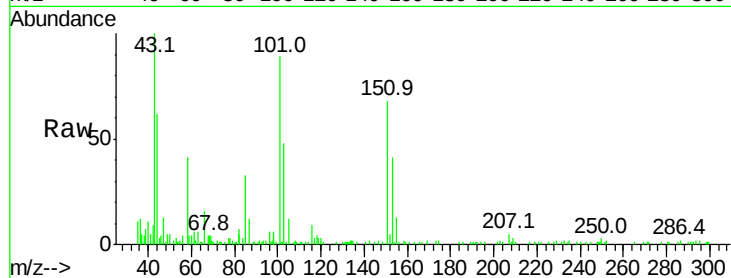
VSTD0.590

Tgt Ion: 43 Resp: 24759

Ion Ratio Lower Upper

43 100

58 27.9 0.0 58.0



#14

Carbon disulfide

Concen: 0.526 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026337.D

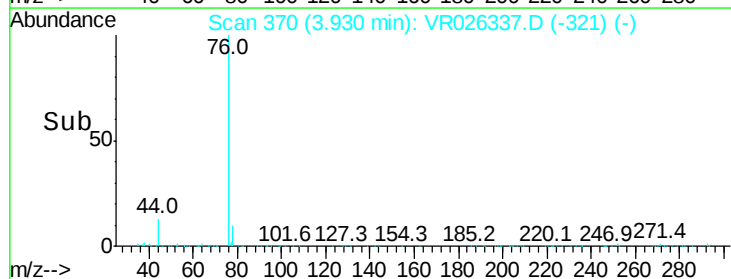
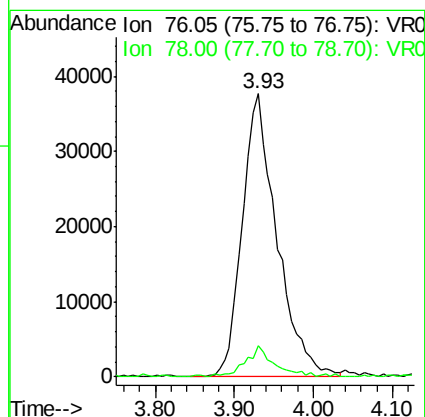
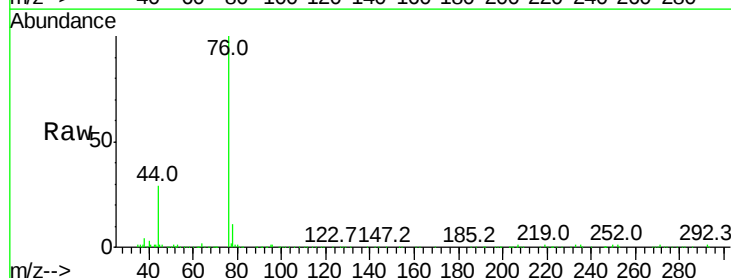
Acq: 19 Feb 2019 14:31

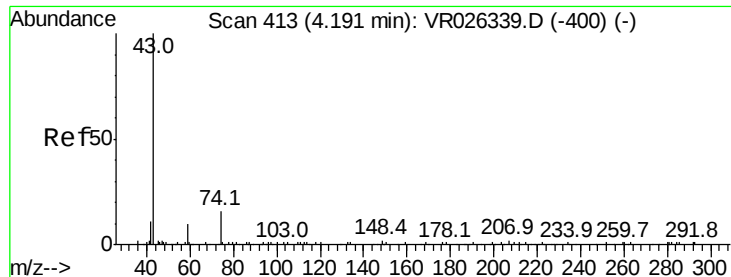
Tgt Ion: 76 Resp: 114701

Ion Ratio Lower Upper

76 100

78 11.2 6.7 10.1#





#15

Methyl Acetate

Concen: 0.652 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

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ClientSampleId :

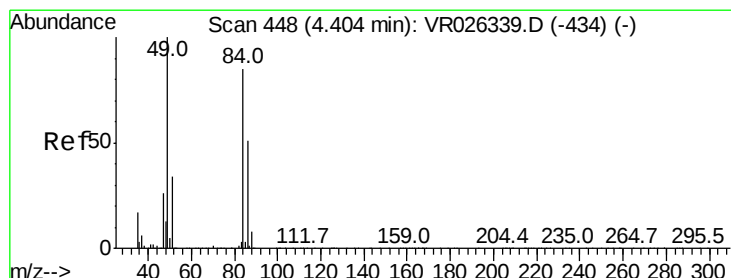
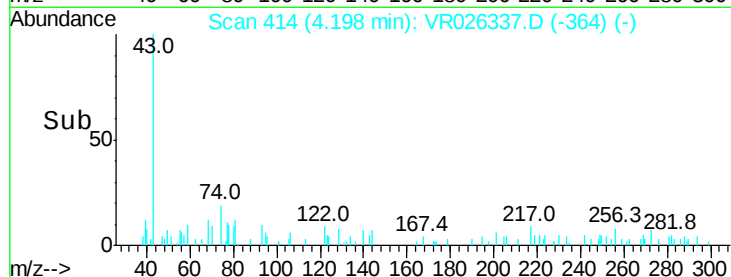
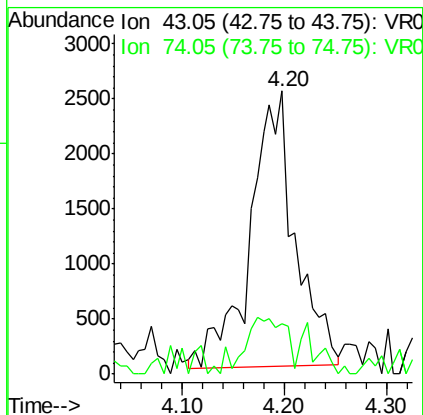
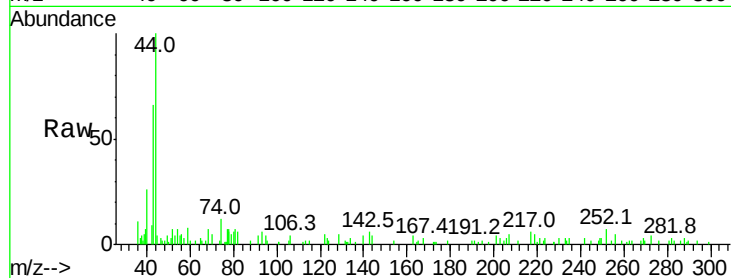
VSTD0.590

Tgt Ion: 43 Resp: 7688

Ion Ratio Lower Upper

43 100

74 7.1 18.6 28.0#



#16

Methylene chloride

Concen: 0.649 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

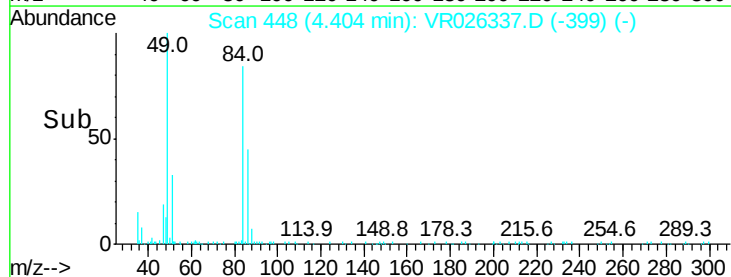
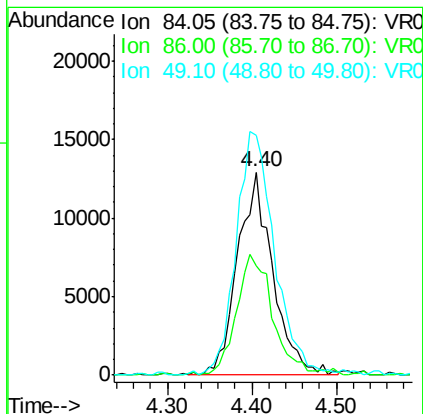
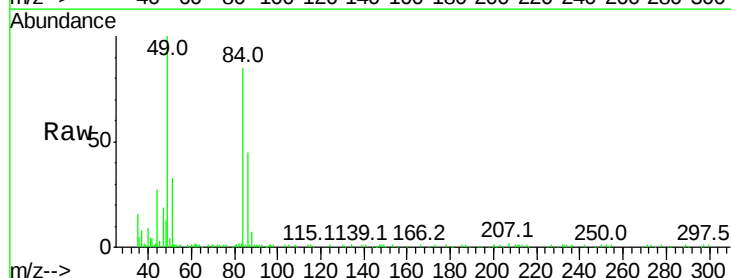
Tgt Ion: 84 Resp: 36687

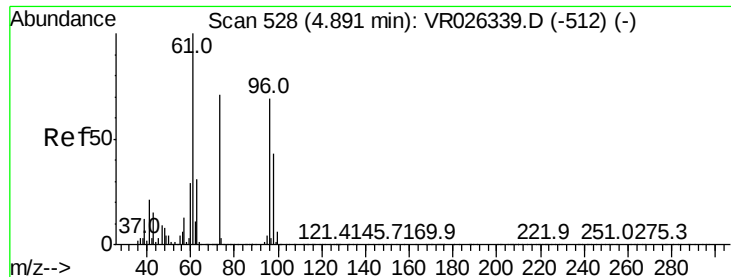
Ion Ratio Lower Upper

84 100

86 53.5 41.9 77.7

49 118.1 82.2 152.6

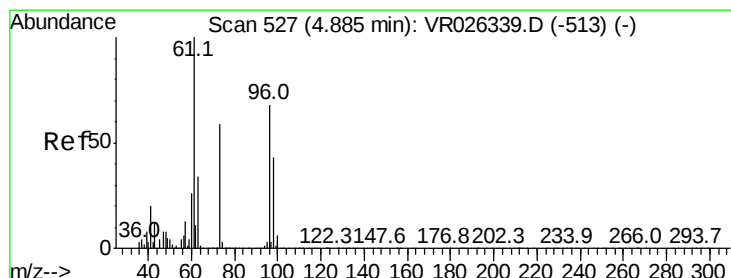
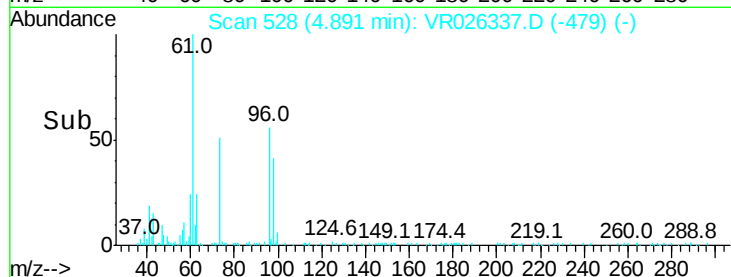
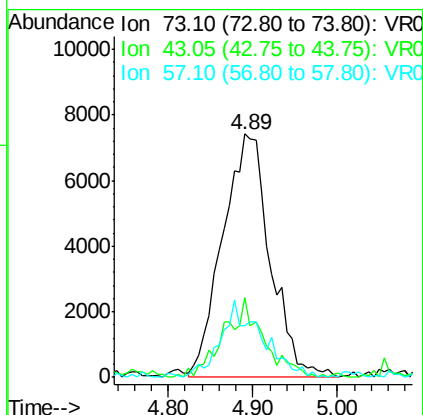
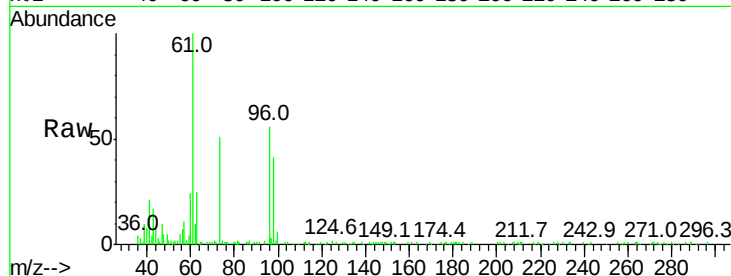




#17
Methyl tert-butyl Ether
Concen: 0.488 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

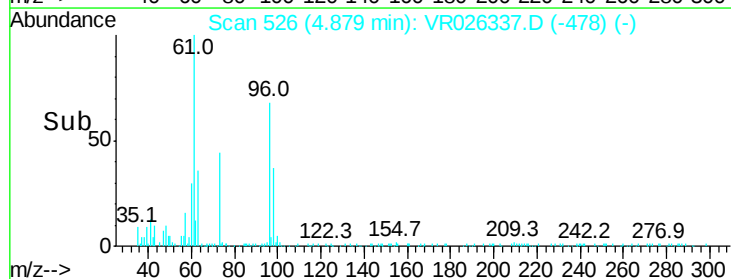
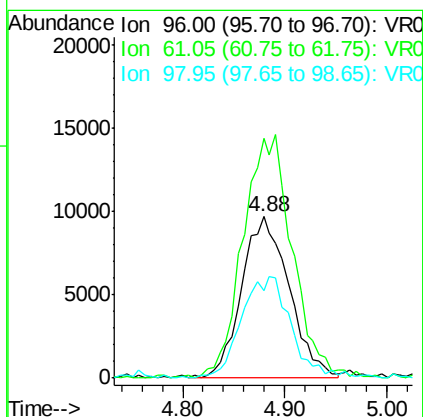
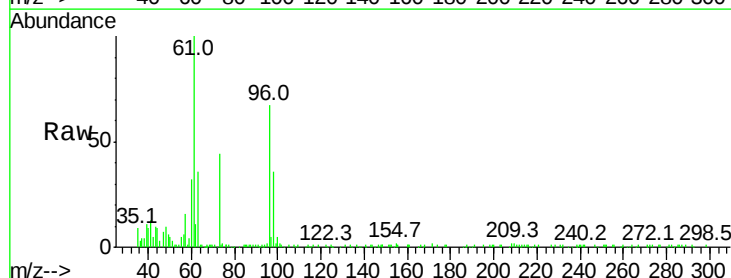
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

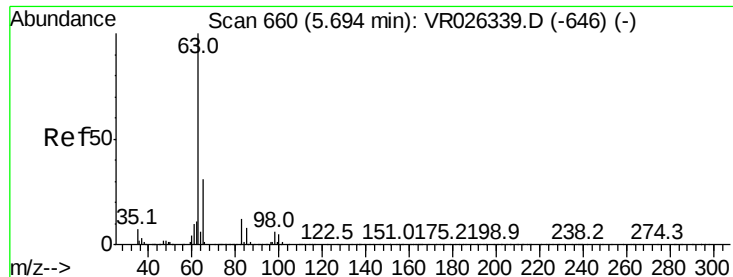
Tgt Ion: 73 Resp: 28580
Ion Ratio Lower Upper
73 100
43 27.3 18.2 27.2#
57 26.9 17.9 26.9#



#18
trans-1,2-Dichloroethene
Concen: 0.517 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Tgt Ion: 96 Resp: 31305
Ion Ratio Lower Upper
96 100
61 148.2 103.4 192.0
98 53.8 44.0 81.6





#19

1,1-Dichloroethane

Concen: 0.519 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

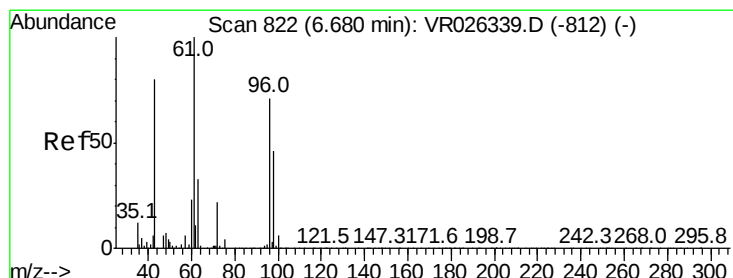
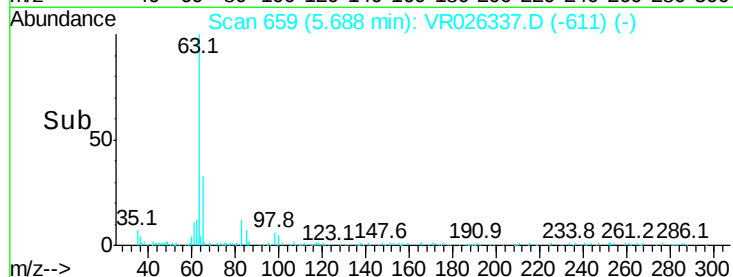
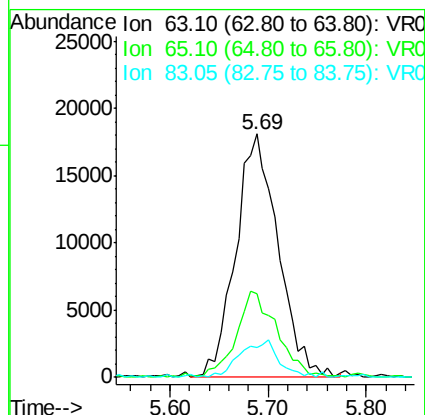
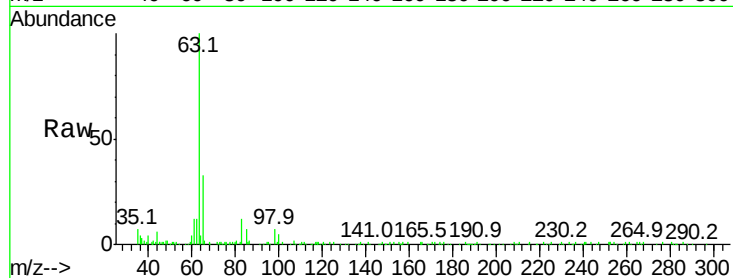
Tgt Ion: 63 Resp: 53979

Ion Ratio Lower Upper

63 100

65 34.5 21.6 40.0

83 12.4 8.4 15.6



#21

2-Butanone

Concen: 4.731 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.01 min

Lab File: VR026337.D

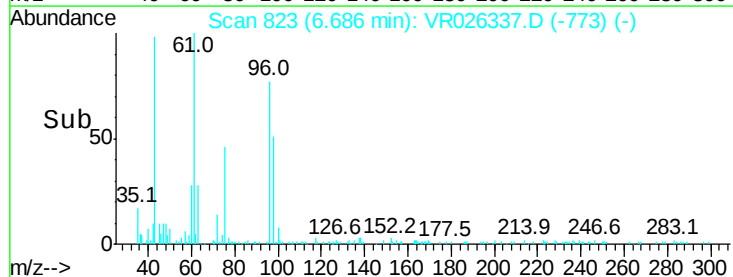
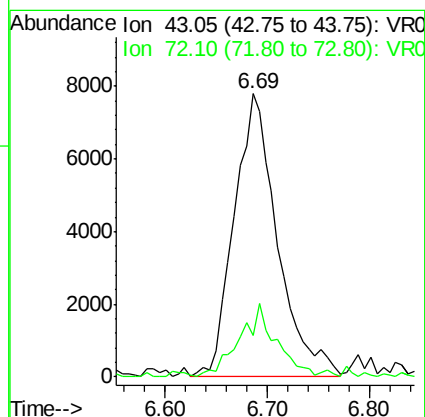
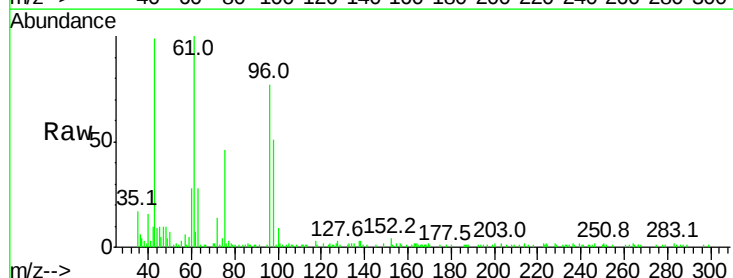
Acq: 19 Feb 2019 14:31

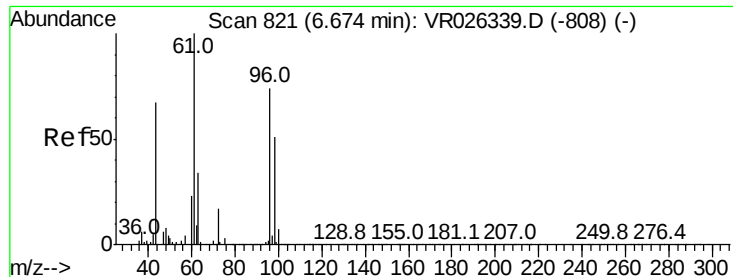
Tgt Ion: 43 Resp: 22935

Ion Ratio Lower Upper

43 100

72 21.6 12.0 36.1



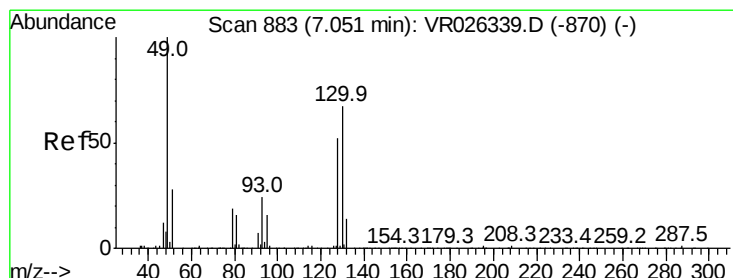
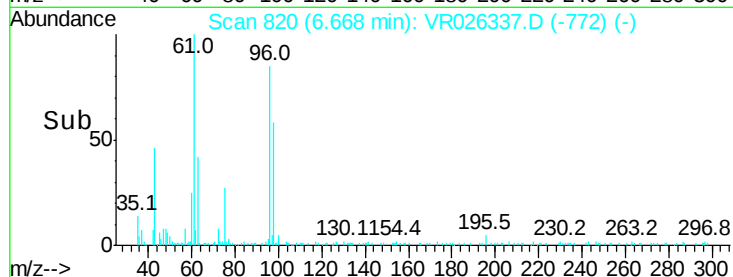
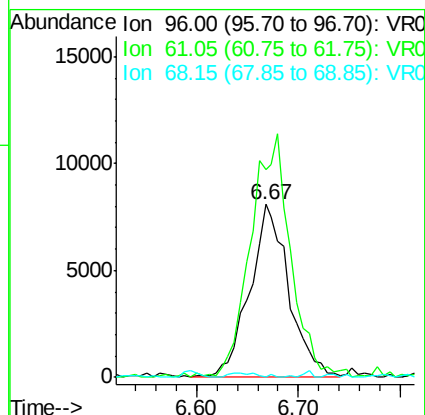
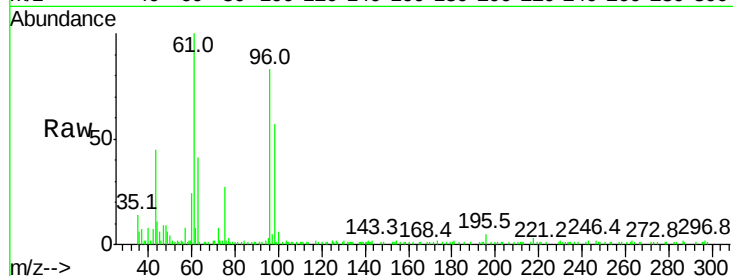


#22

cis-1,2-Dichloroethene
Concen: 0.443 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

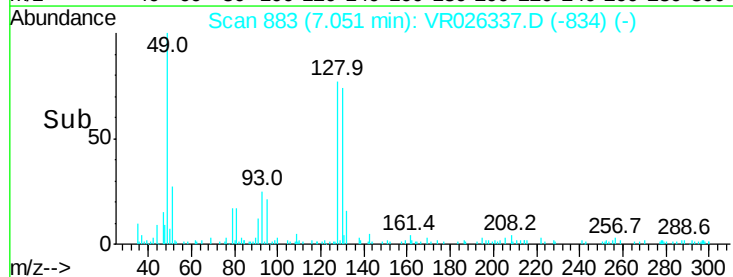
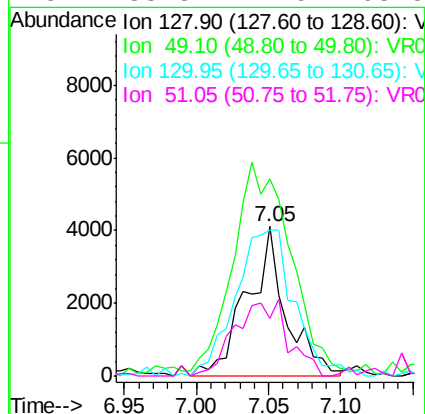
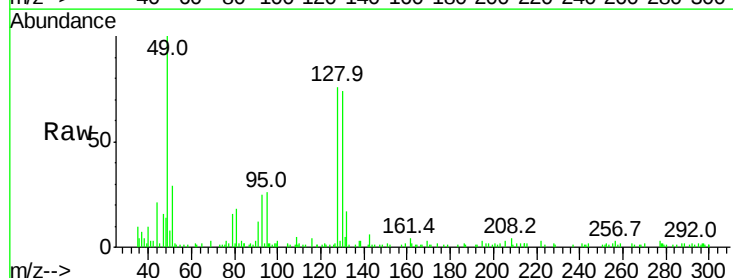
Tgt Ion: 96 Resp: 21626
Ion Ratio Lower Upper
96 100
61 120.5 95.1 176.7
68 0.0 0.1 0.3#

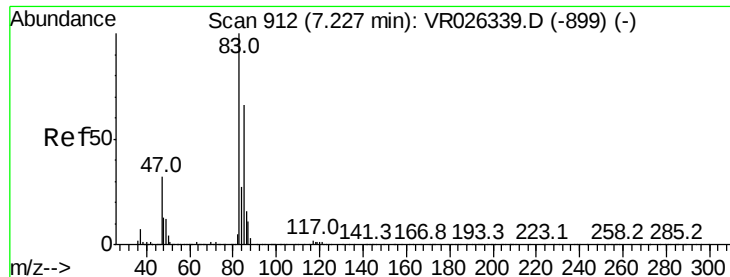


#23

Bromochloromethane
Concen: 0.513 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Tgt Ion: 128 Resp: 7816
Ion Ratio Lower Upper
128 100
49 131.6 134.7 250.1#
130 97.2 90.1 167.3
51 38.3 42.6 63.8#

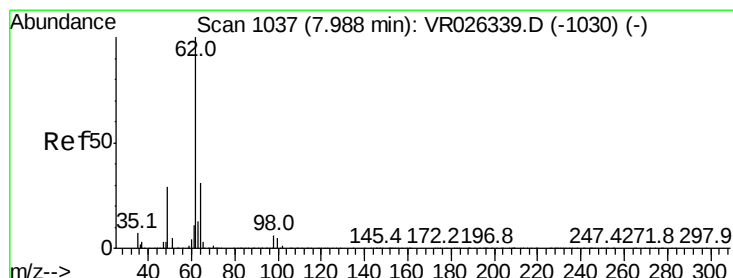
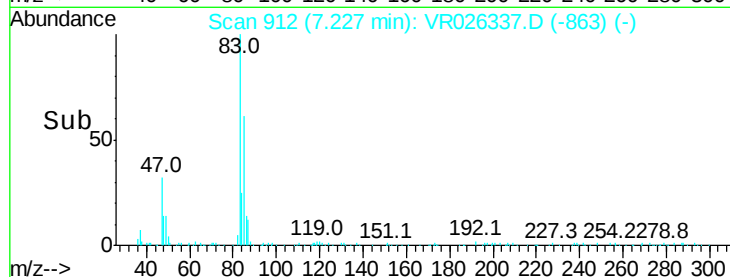
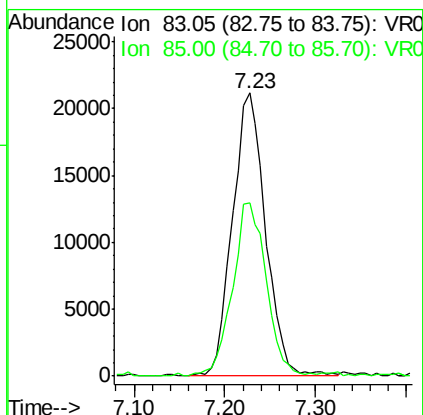
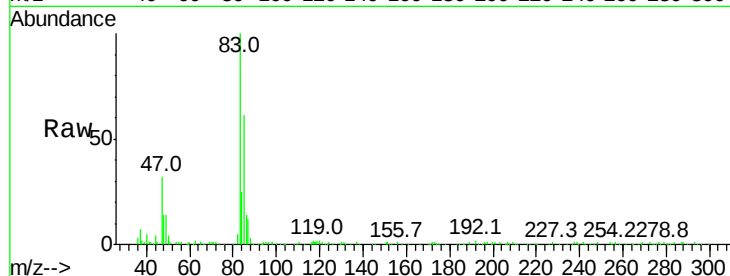




#25
Chloroform
Concen: 0.528 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

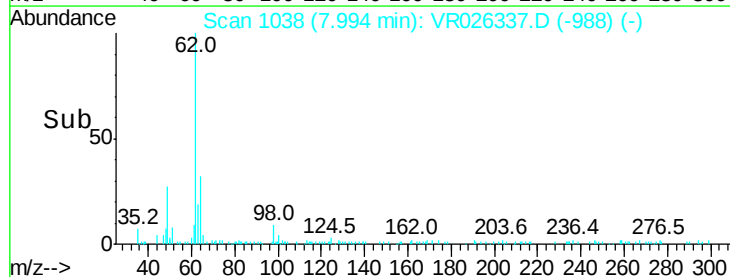
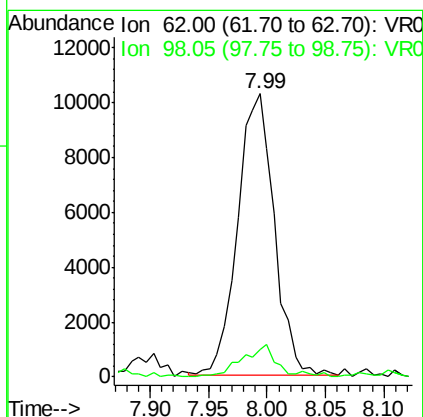
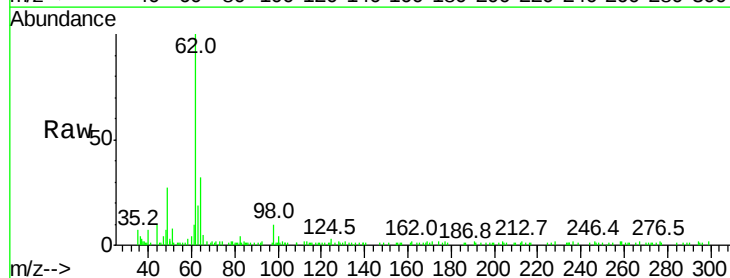
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

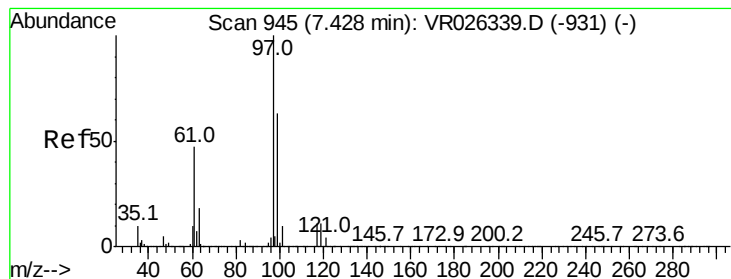
Tgt Ion: 83 Resp: 53352
Ion Ratio Lower Upper
83 100
85 61.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.514 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Tgt Ion: 62 Resp: 22472
Ion Ratio Lower Upper
62 100
98 9.7 5.1 7.7#





#29

1,1,1-Trichloroethane

Concen: 0.538 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

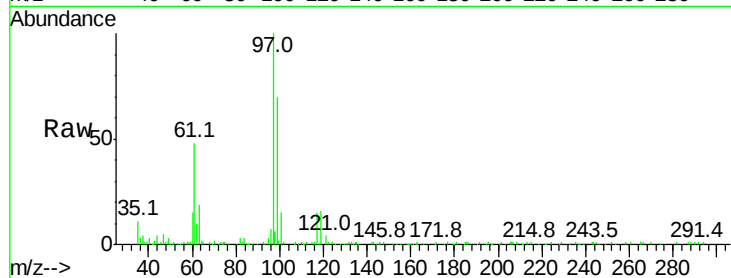
Tgt Ion: 97 Resp: 49287

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.8

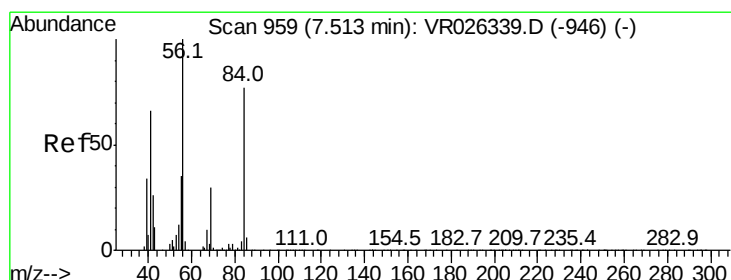
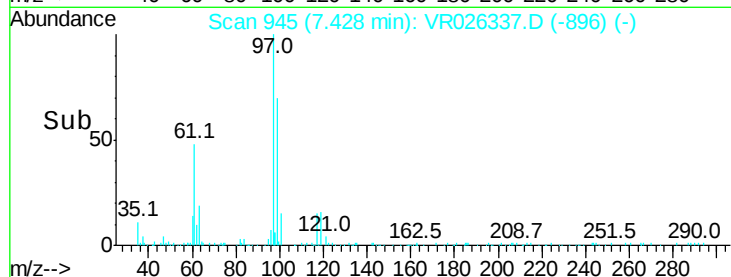
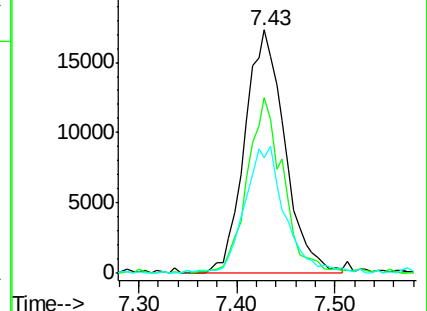
61 50.9 38.7 58.1



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: 0.378 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

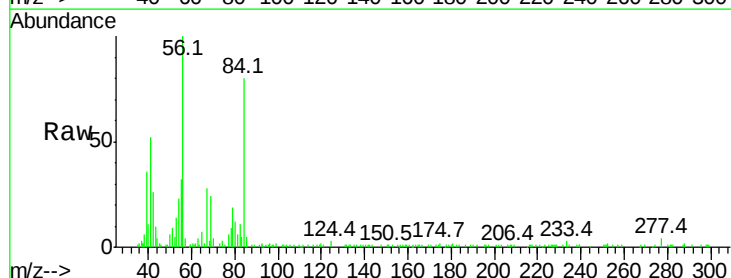
Tgt Ion: 56 Resp: 27725

Ion Ratio Lower Upper

56 100

69 33.1 23.7 35.5

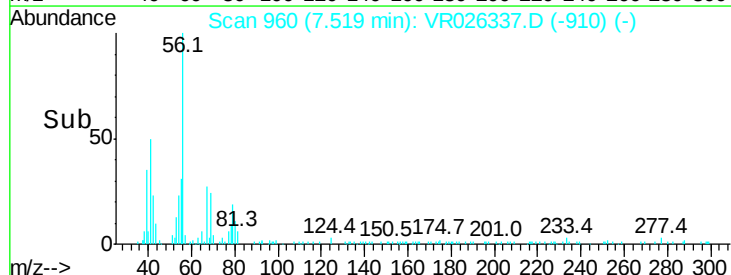
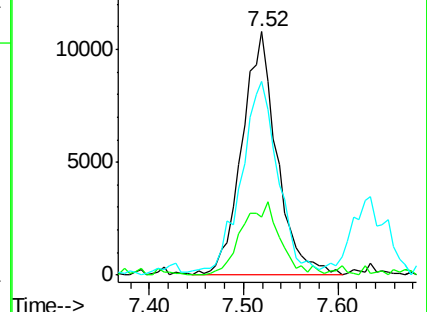
84 85.1 62.8 94.2

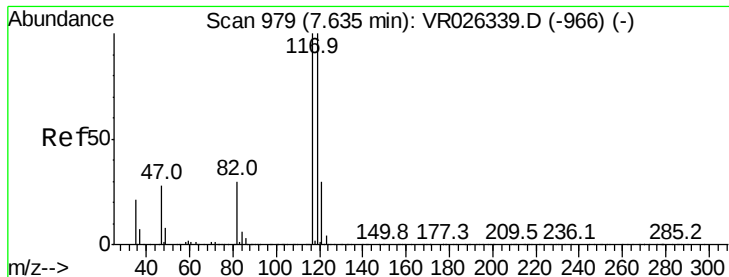


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.542 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

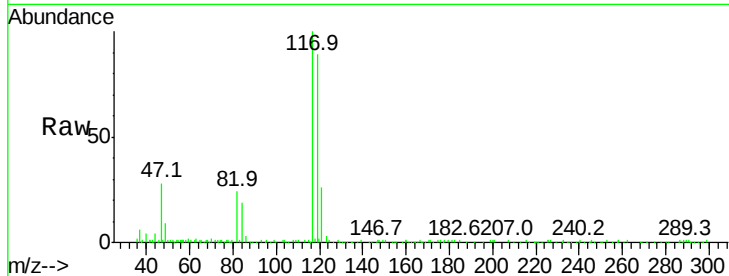
VSTD0.590

Tgt Ion:117 Resp: 46009

Ion Ratio Lower Upper

117 100

119 94.2 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

20000

15000

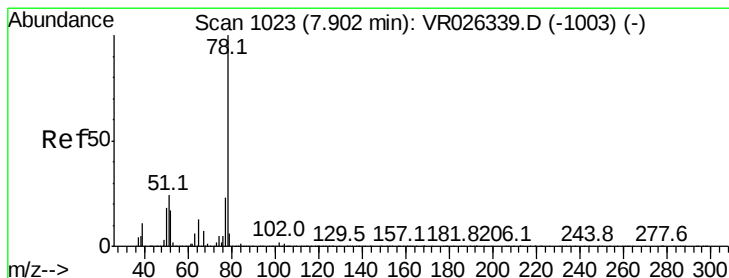
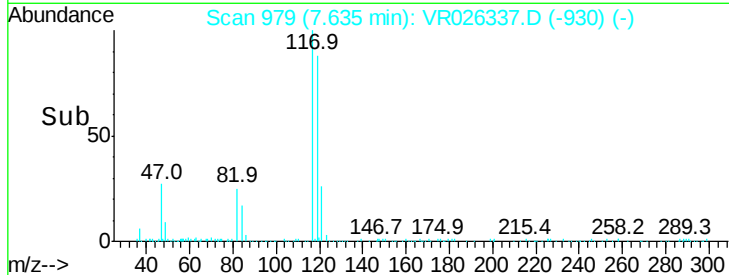
10000

5000

0

Time-->

7.50 7.60 7.70



#33

Benzene

Concen: 0.484 ug/L

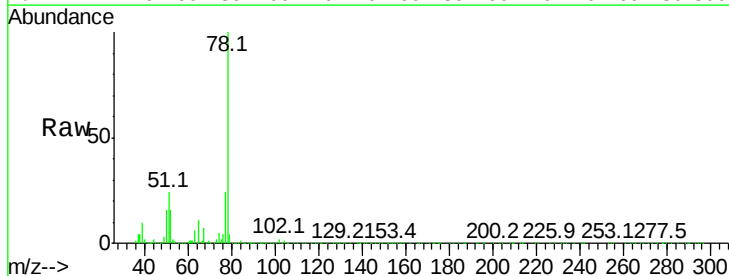
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Tgt Ion: 78 Resp: 106418



Abundance Ion 78.10 (77.80 to 78.80): VR0

60000

50000

40000

30000

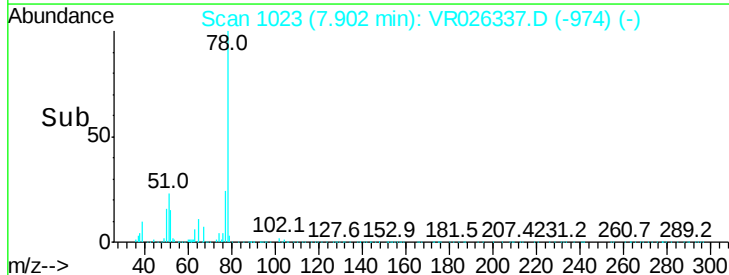
20000

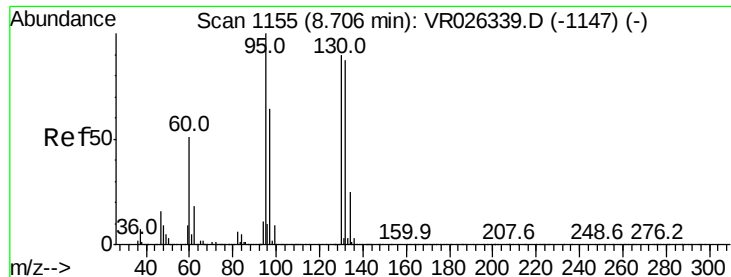
10000

0

Time-->

7.80 7.90 8.00

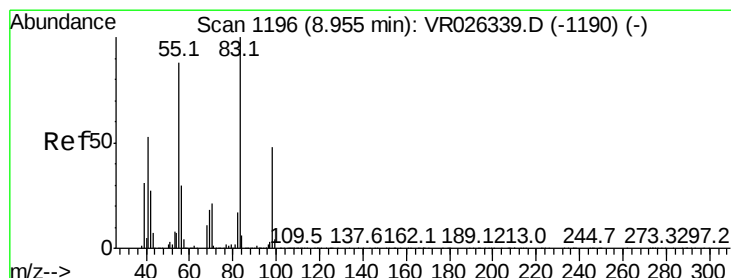
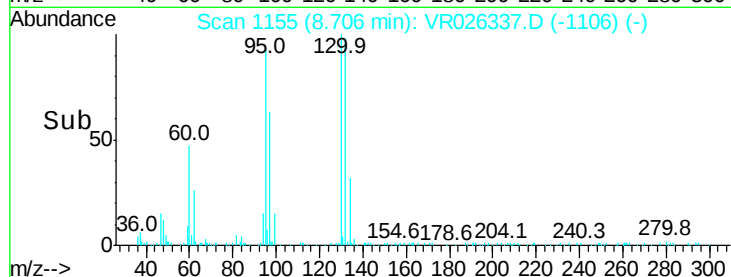
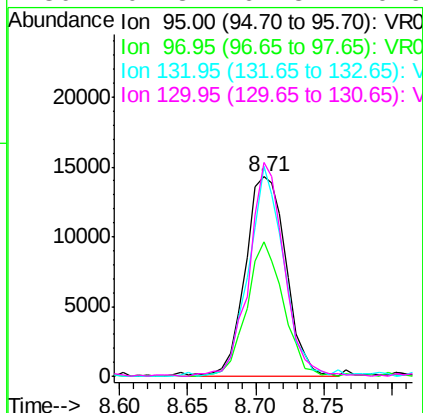
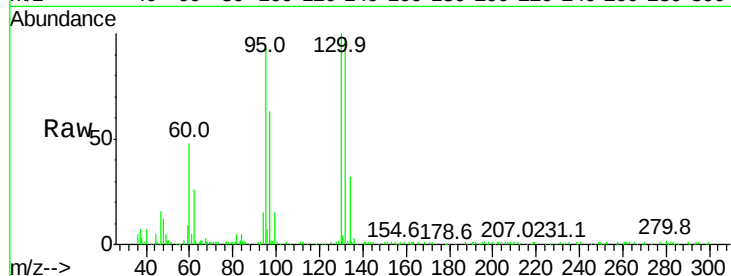




#34
 Trichloroethene
 Concen: 0.527 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

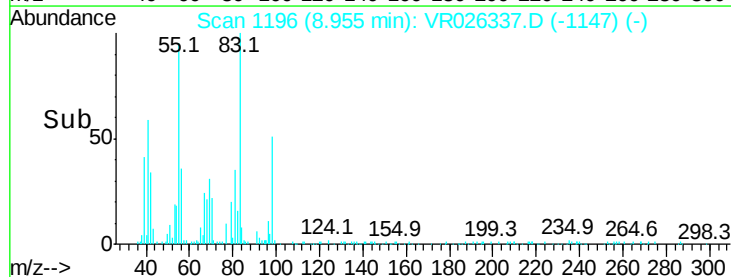
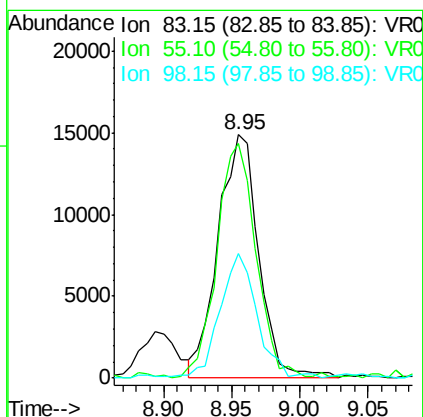
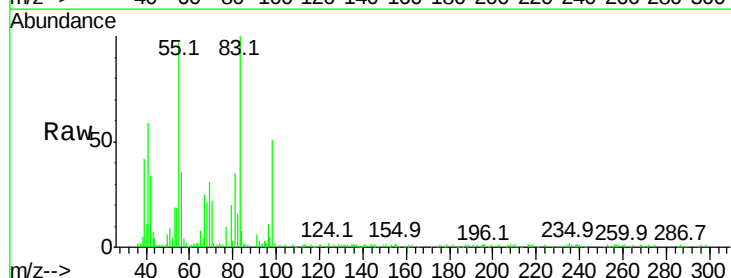
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.590

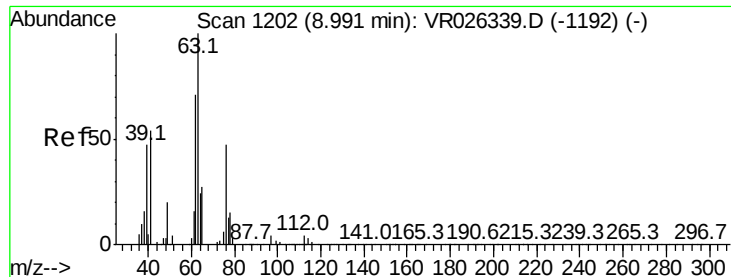
Tgt Ion:	95	Resp:	29906
Ion	Ratio	Lower	Upper
95	100		
97	67.8	45.1	83.9
132	105.2	60.7	112.7
130	107.3	62.8	116.6



#35
 Methylcyclohexane
 Concen: 0.391 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

Tgt Ion:	83	Resp:	30847
Ion	Ratio	Lower	Upper
83	100		
55	92.8	67.3	100.9
98	46.4	37.0	55.4





#37

1,2-Dichloropropane

Concen: 0.498 ug/L

RT: 8.99 min Scan# 1201

Delta R.T. -0.01 min

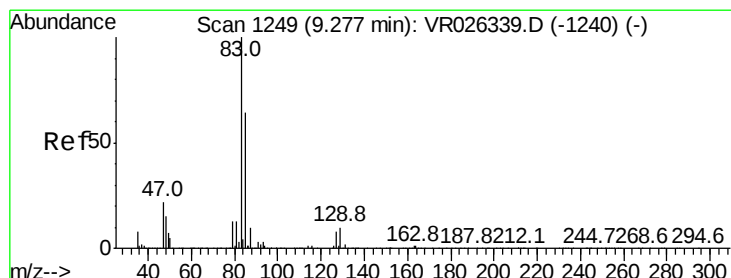
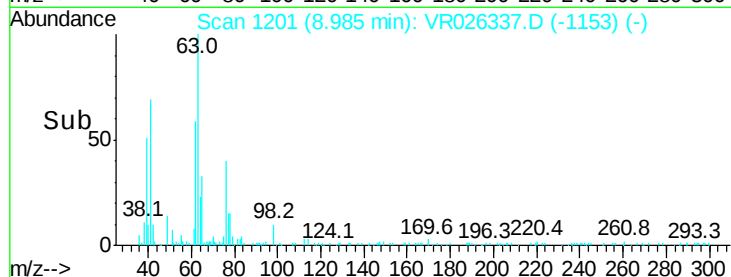
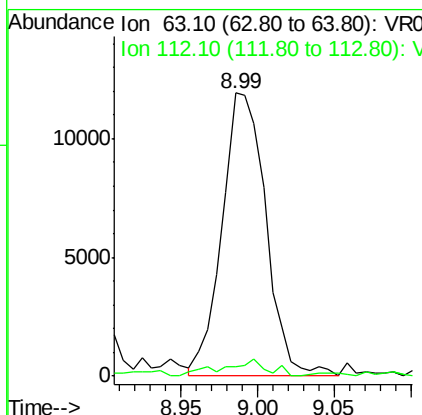
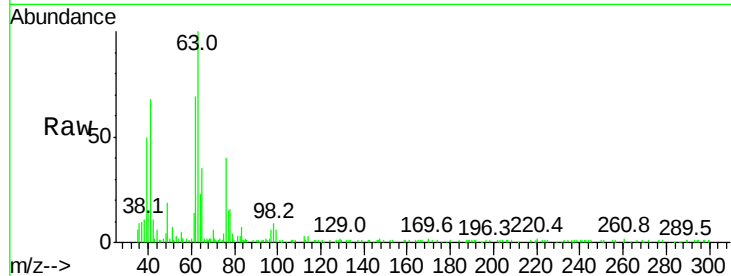
Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

Tgt Ion: 63 Resp: 23656

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.4	5.0



#38

Bromodichloromethane

Concen: 0.488 ug/L

RT: 9.28 min Scan# 1250

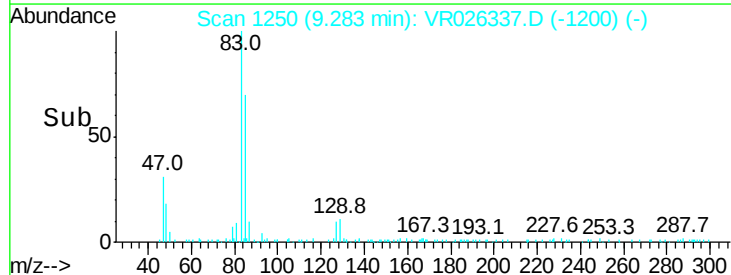
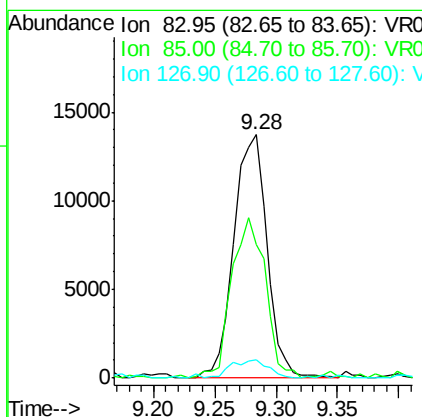
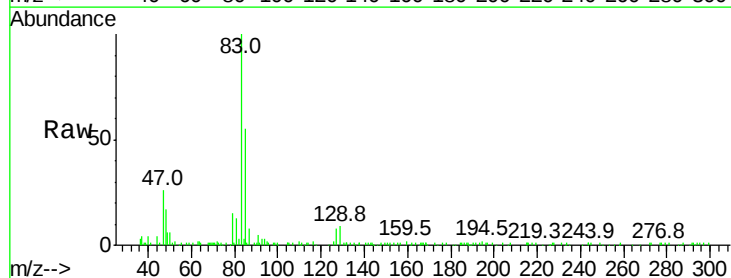
Delta R.T. 0.01 min

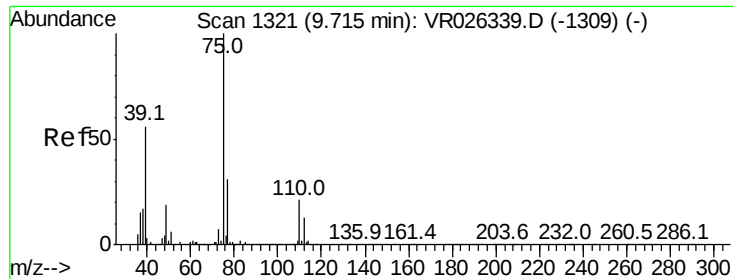
Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Tgt Ion: 83 Resp: 25864

Ion	Ratio	Lower	Upper
83	100		
85	56.2	44.6	82.8
127	7.7	6.4	9.6





#39

cis-1,3-Dichloropropene

Concen: 0.401 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

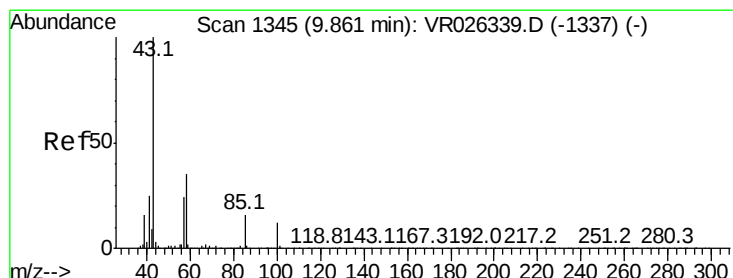
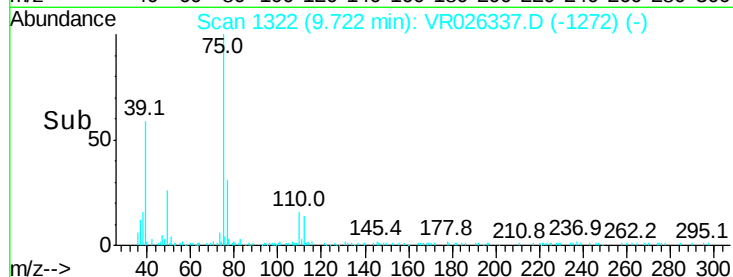
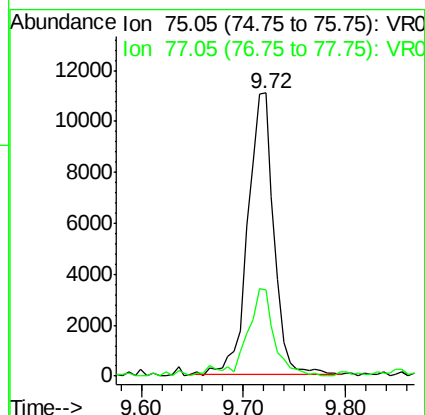
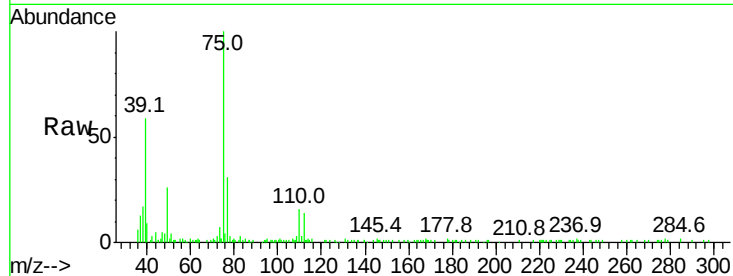
Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

Tgt Ion: 75 Resp: 19616

Ion	Ratio	Lower	Upper
75	100		
77	30.5	21.8	40.4



#40

4-Methyl-2-pentanone

Concen: 3.917 ug/L

RT: 9.87 min Scan# 1346

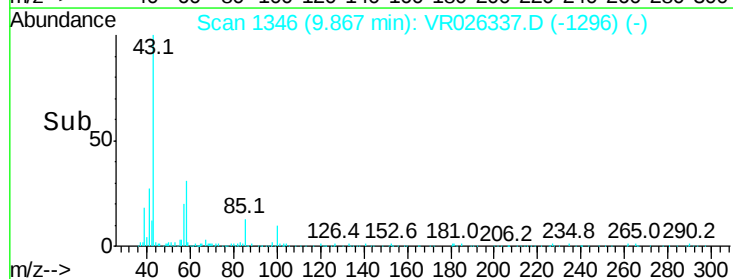
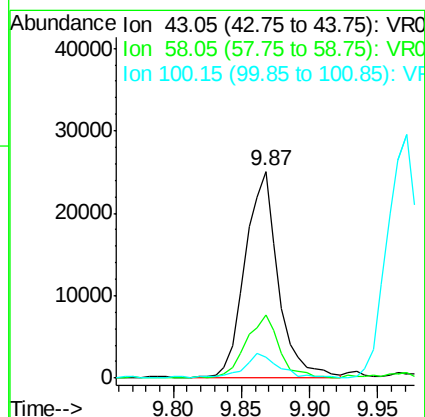
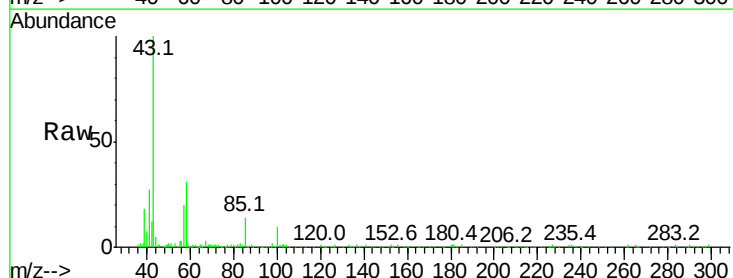
Delta R.T. 0.01 min

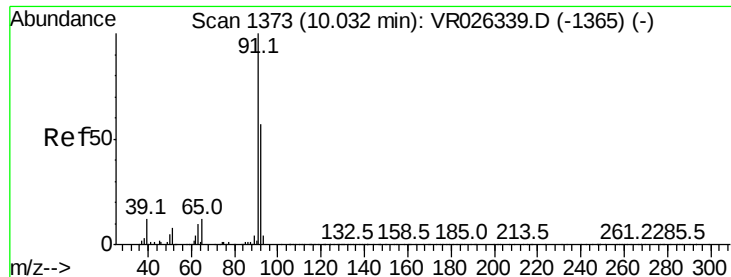
Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Tgt Ion: 43 Resp: 42890

Ion	Ratio	Lower	Upper
43	100		
58	31.0	28.2	42.4
100	12.6	10.0	15.0





#42

Toluene

Concen: 0.450 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

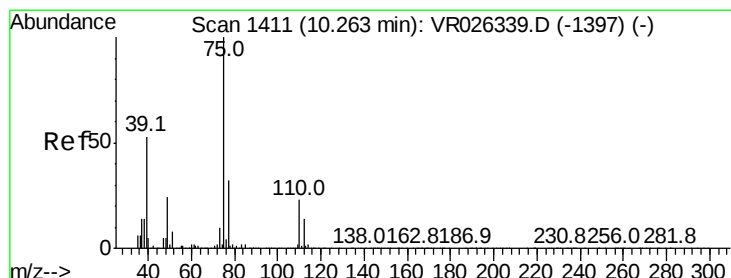
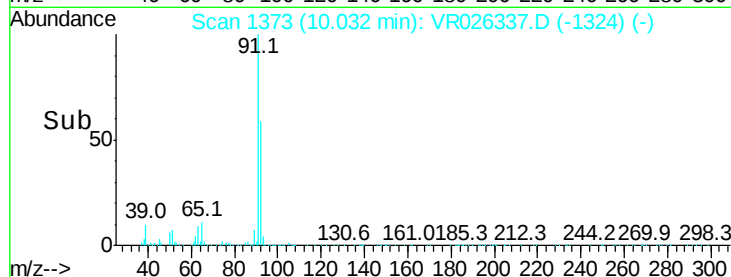
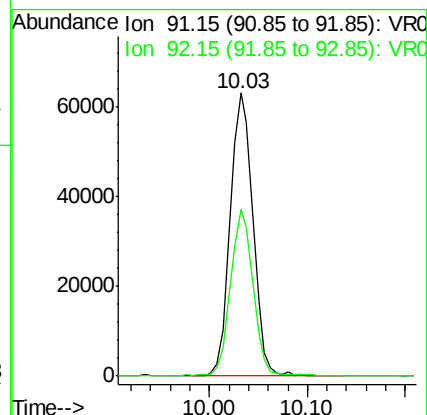
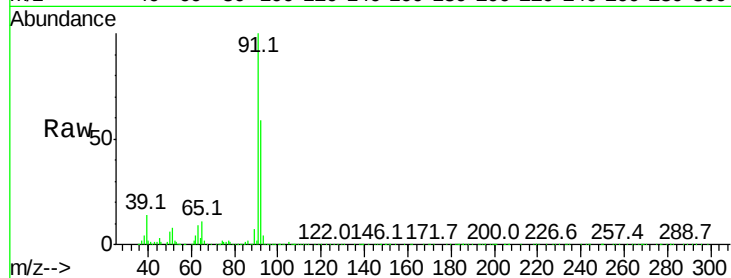
VSTD0.590

Tgt Ion: 91 Resp: 101767

Ion Ratio Lower Upper

91 100

92 59.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 0.428 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026337.D

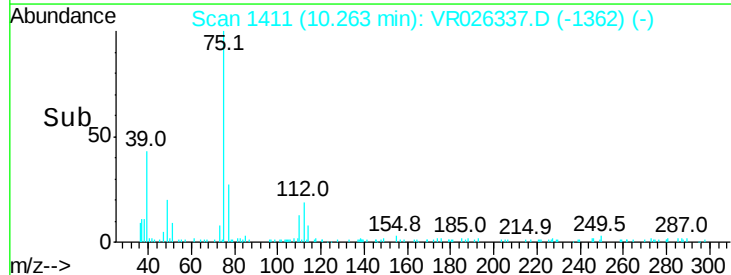
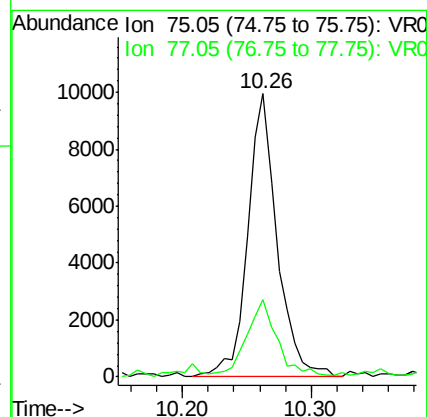
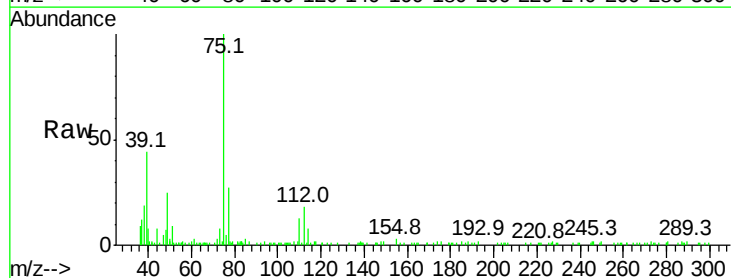
Acq: 19 Feb 2019 14:31

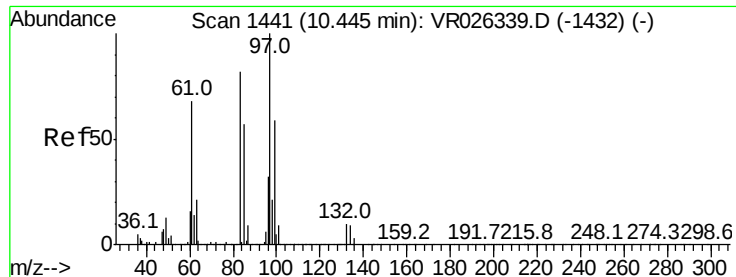
Tgt Ion: 75 Resp: 15518

Ion Ratio Lower Upper

75 100

77 27.1 22.5 41.7

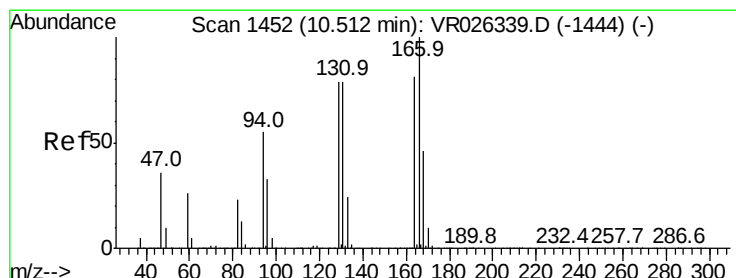
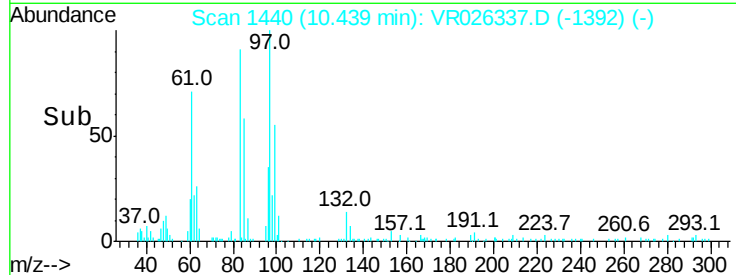
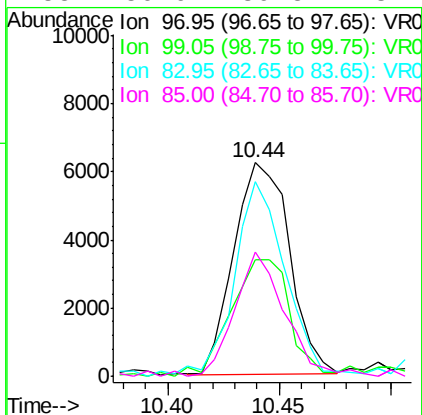
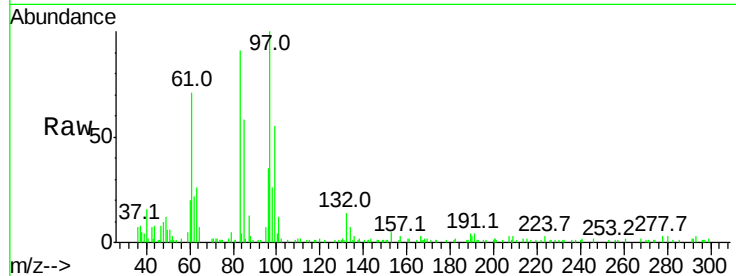




#45
 1,1,2-Trichloroethane
 Concen: 0.545 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

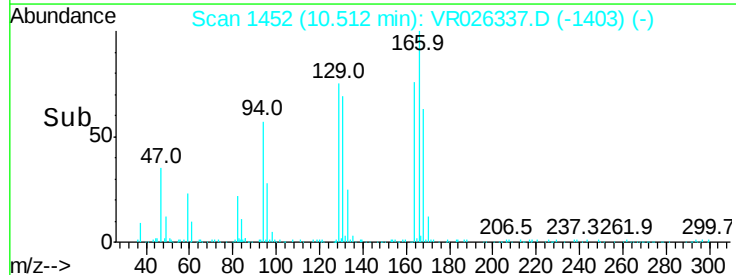
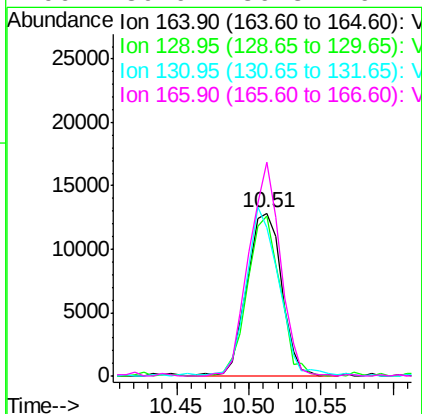
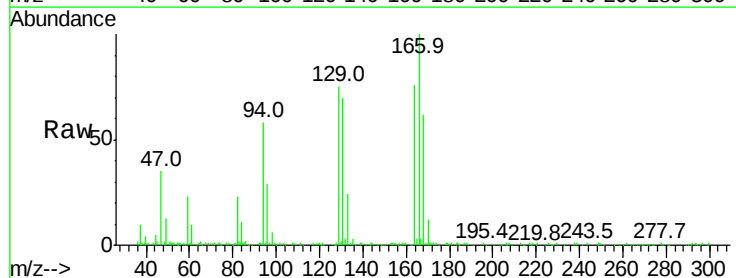
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.590

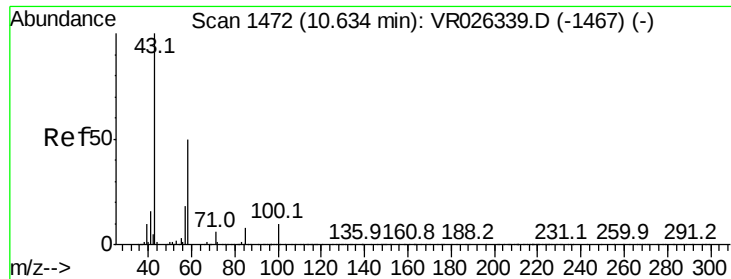
Tgt Ion:	97	Resp:	10805
Ion	Ratio	Lower	Upper
97	100		
99	54.8	41.2	76.4
83	91.2	57.4	106.6
85	59.9	39.5	73.4



#47
 Tetrachloroethene
 Concen: 0.490 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

Tgt Ion:	164	Resp:	21334
Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.5	127.3
131	91.1	68.3	126.8
166	130.9	86.8	161.2

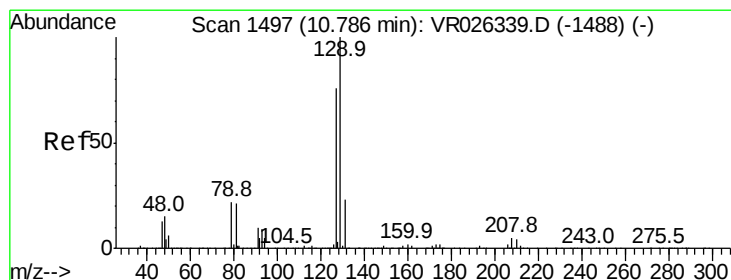
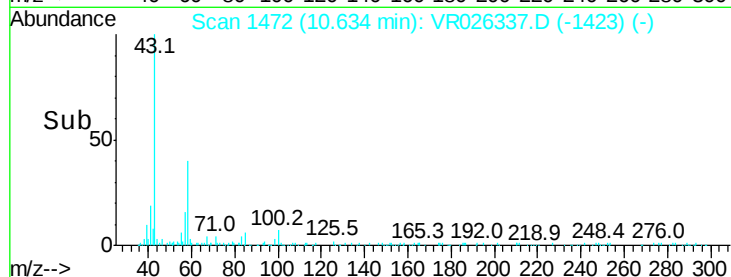
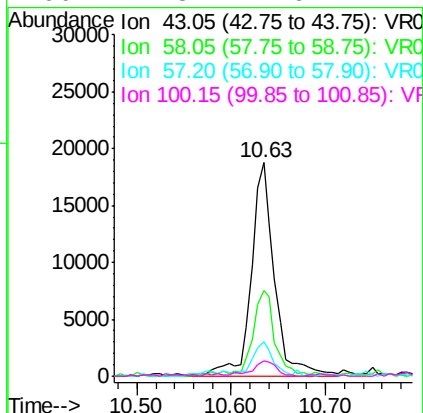
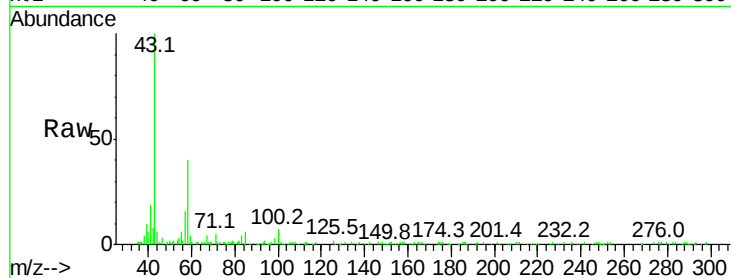




#48
2-Hexanone
Concen: 4.350 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

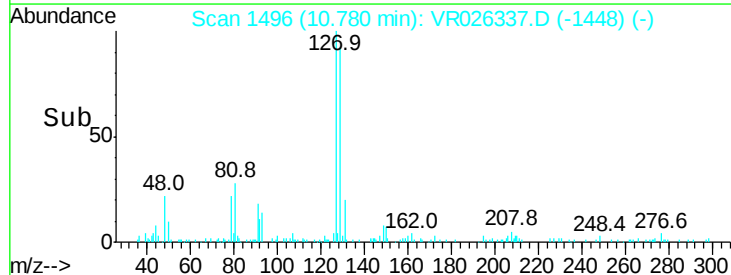
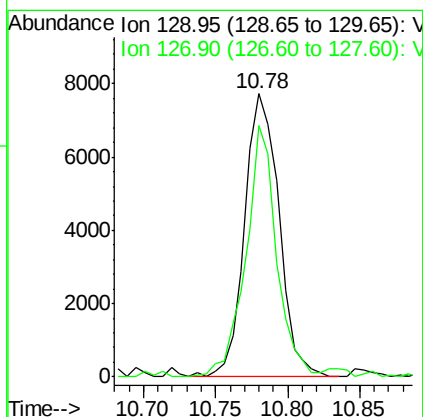
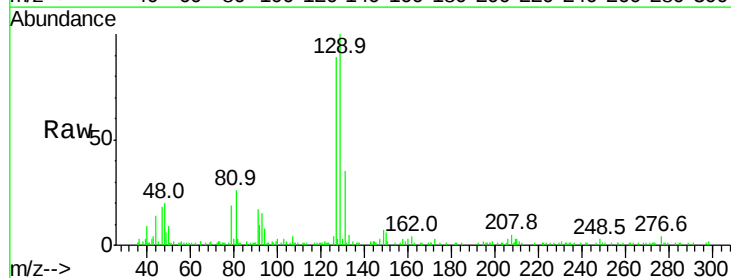
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.590

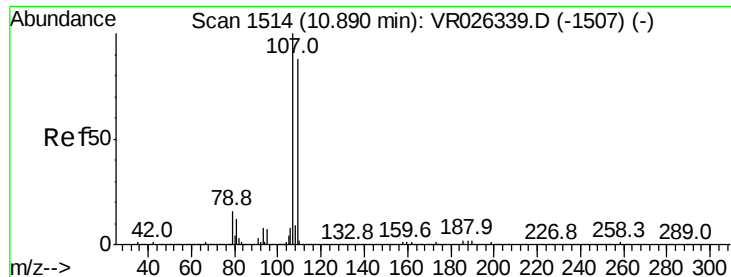
Tgt Ion:	43	Resp:	32028
Ion	Ratio	Lower	Upper
43	100		
58	37.1	39.1	58.7#
57	14.2	14.2	21.2
100	7.8	7.6	11.4



#49
Dibromochloromethane
Concen: 0.498 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026337.D
Acq: 19 Feb 2019 14:31

Tgt Ion:	129	Resp:	12699
Ion	Ratio	Lower	Upper
129	100		
127	88.7	53.5	99.3





#50

1,2-Dibromoethane

Concen: 0.478 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

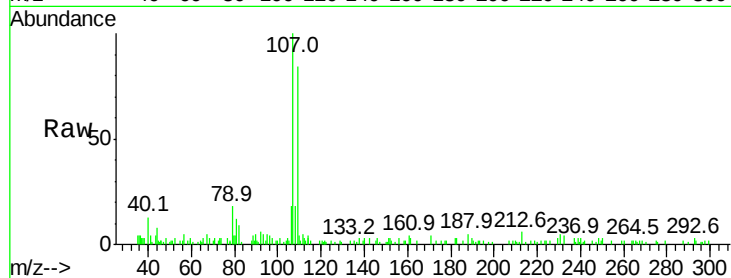
Tgt Ion:107 Resp: 7534

Ion Ratio Lower Upper

107 100

109 84.2 61.6 114.4

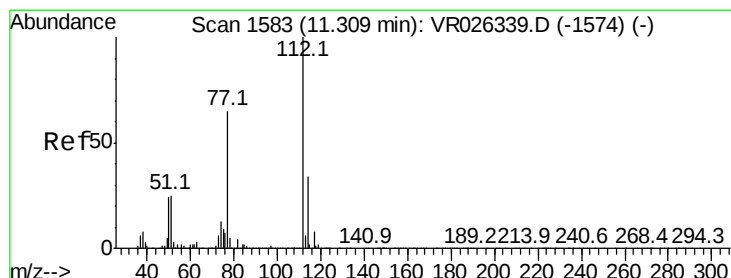
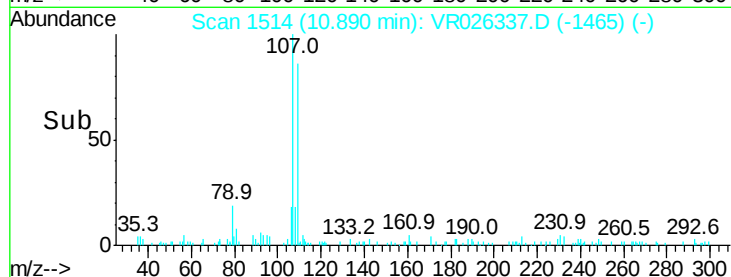
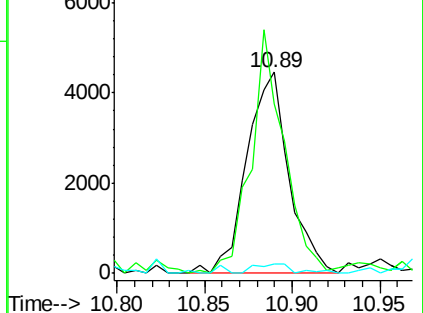
188 4.6 1.7 2.5#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.541 ug/L

RT: 11.31 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

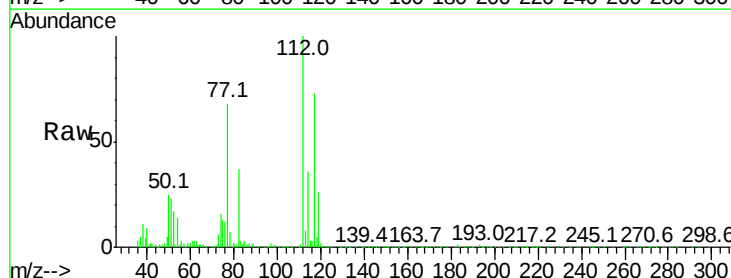
Tgt Ion:112 Resp: 69938

Ion Ratio Lower Upper

112 100

114 36.3 23.5 43.7

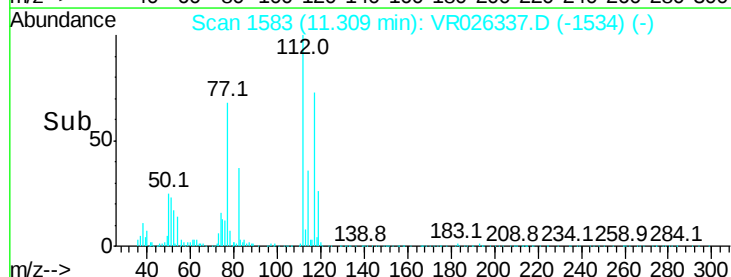
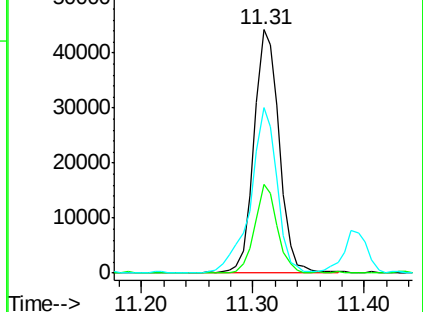
77 68.2 51.8 77.8

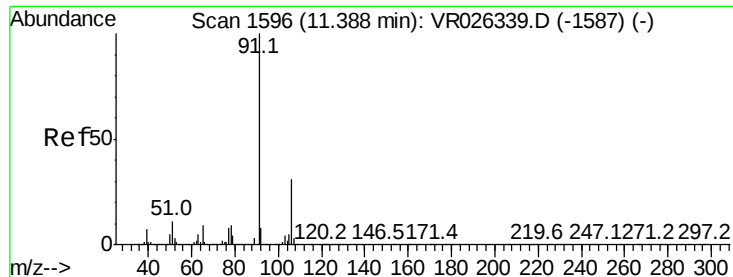


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 0.444 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

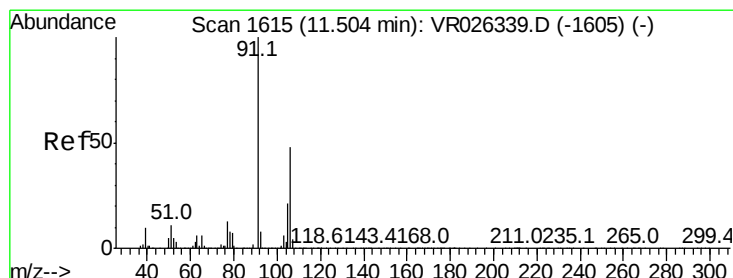
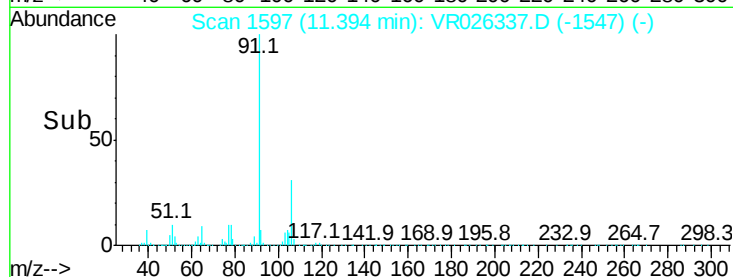
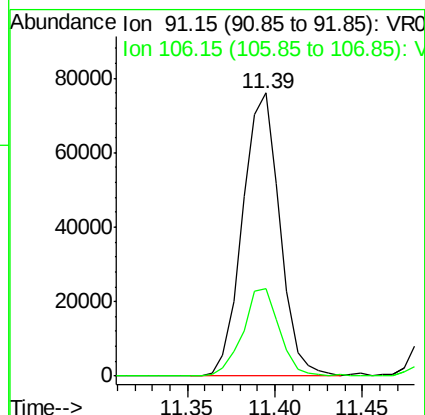
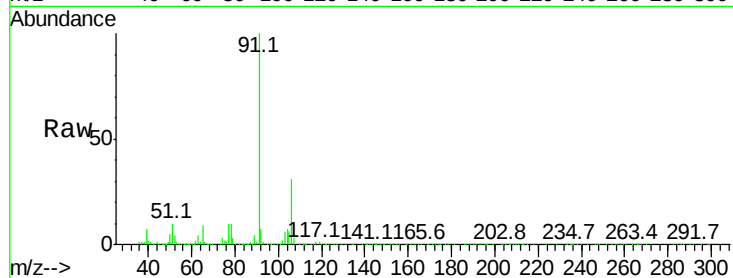
VSTD0.590

Tgt Ion: 91 Resp: 112205

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 0.428 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026337.D

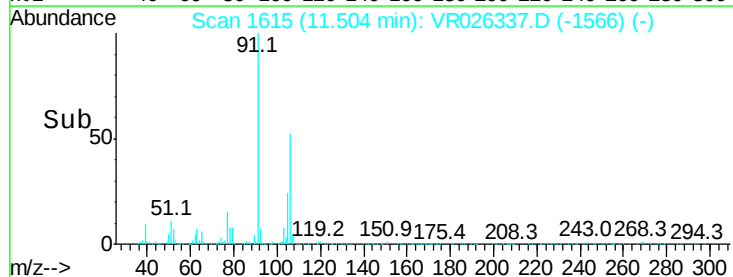
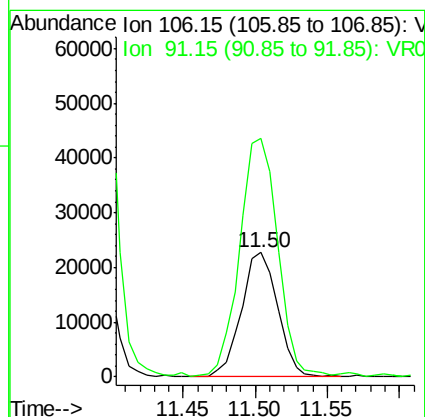
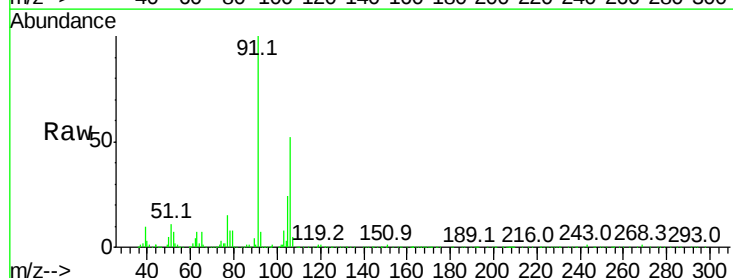
Acq: 19 Feb 2019 14:31

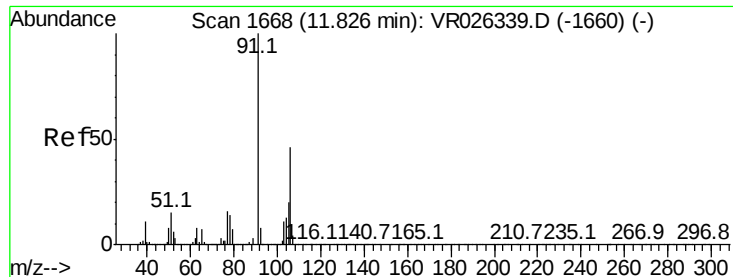
Tgt Ion: 106 Resp: 39547

Ion Ratio Lower Upper

106 100

91 192.7 144.8 268.8





#54

o-Xylene

Concen: 0.358 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

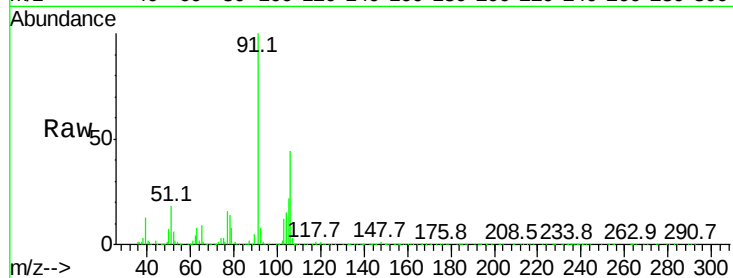
VSTD0.590

Tgt Ion:106 Resp: 28489

Ion Ratio Lower Upper

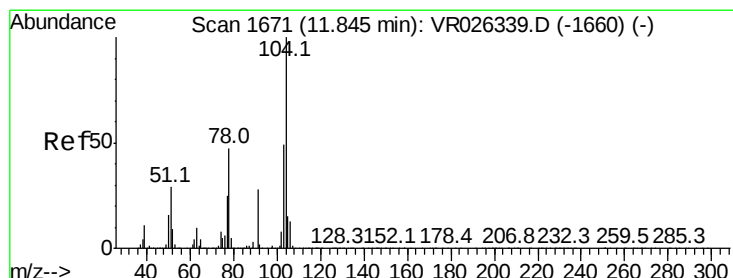
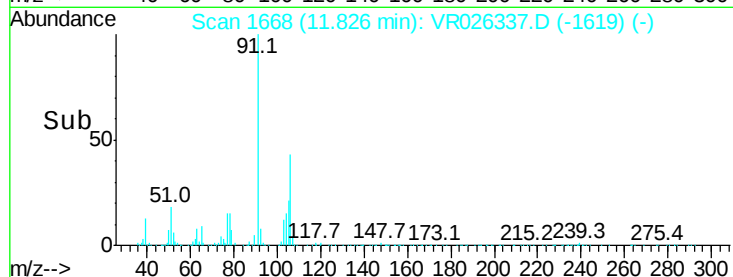
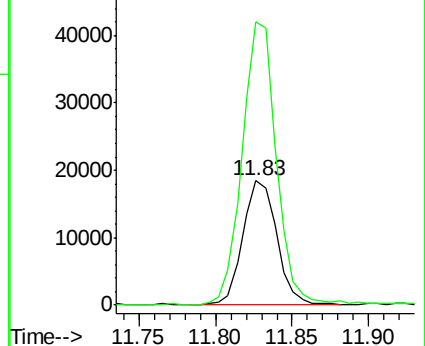
106 100

91 227.5 153.1 284.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.371 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026337.D

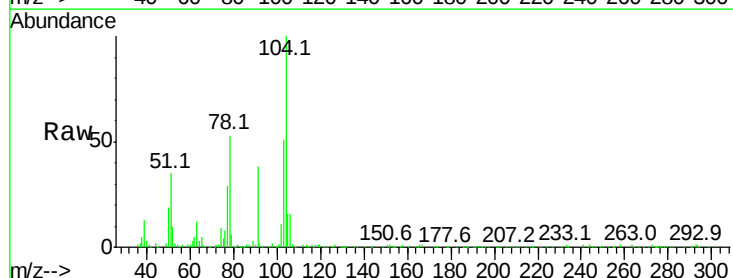
Acq: 19 Feb 2019 14:31

Tgt Ion:104 Resp: 46414

Ion Ratio Lower Upper

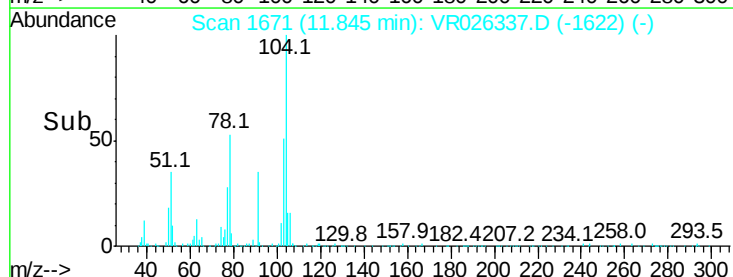
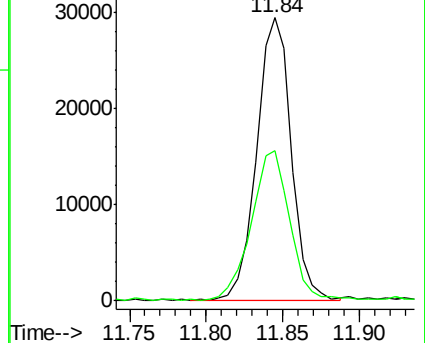
104 100

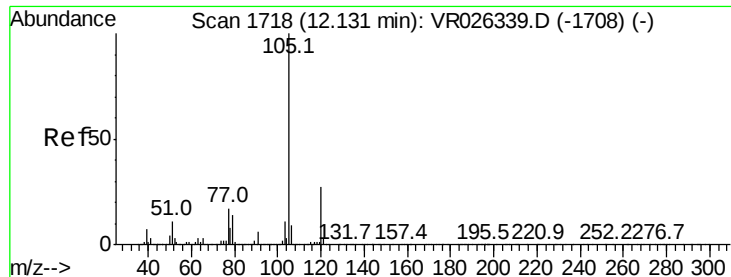
78 53.0 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.385 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

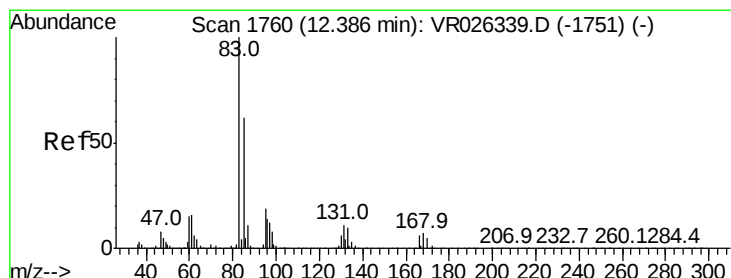
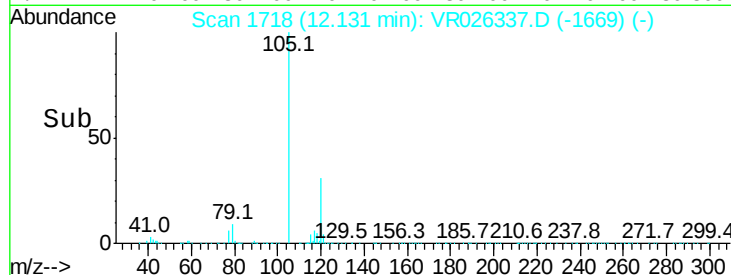
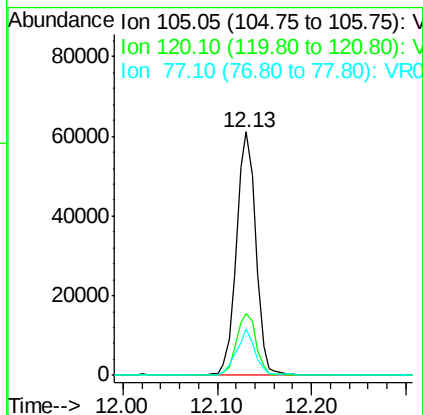
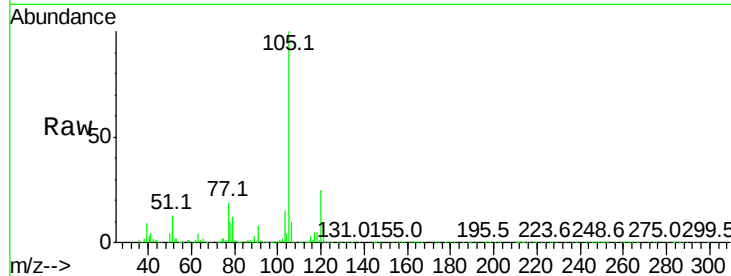
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

Tgt Ion:	105	Resp:	87311
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.8	31.2
77	18.2	13.9	20.9



#58

1,1,2,2-Tetrachloroethane

Concen: 0.520 ug/L

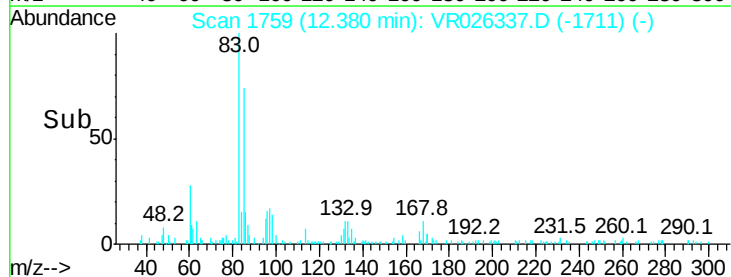
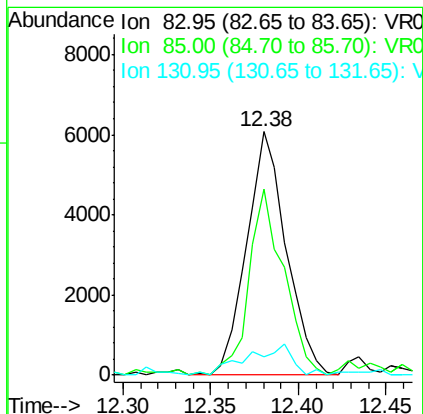
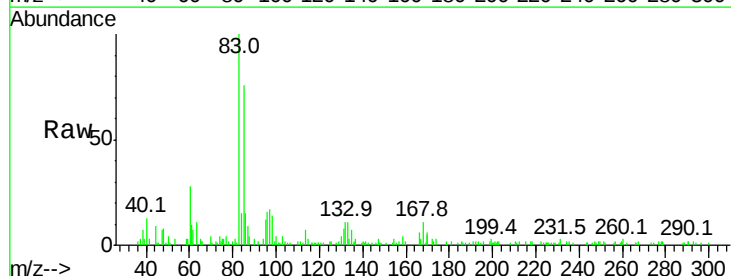
RT: 12.38 min Scan# 1759

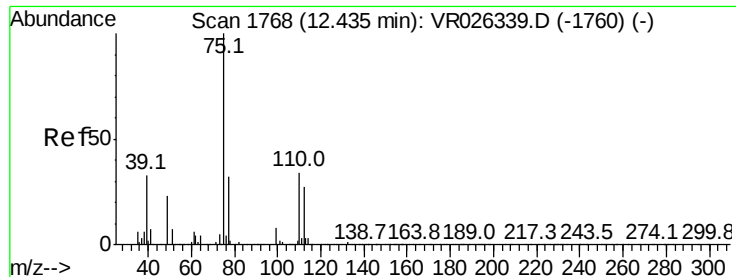
Delta R.T. -0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Tgt Ion:	83	Resp:	9559
Ion Ratio	Lower	Upper	
83	100		
85	76.2	43.5	80.9
131	7.7	8.8	13.2#





#59

1,2,3-Trichloropropane

Concen: 0.531 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

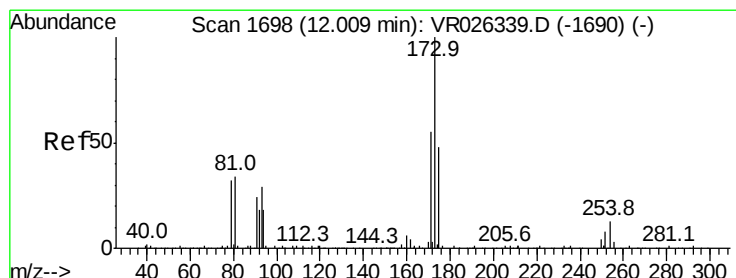
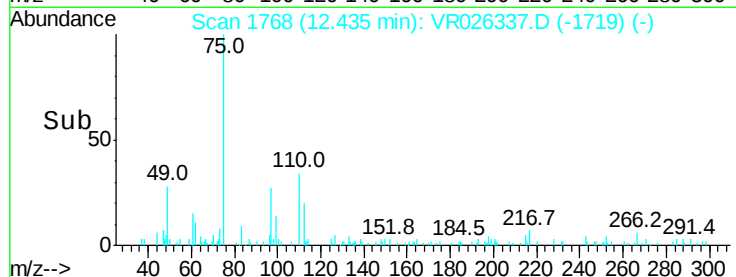
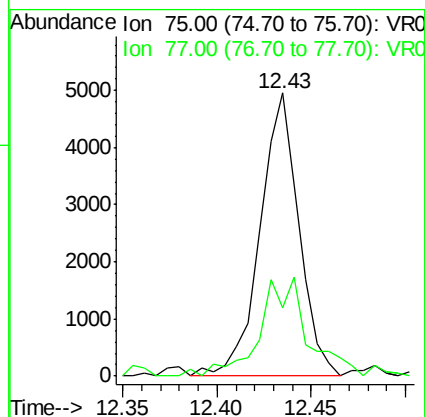
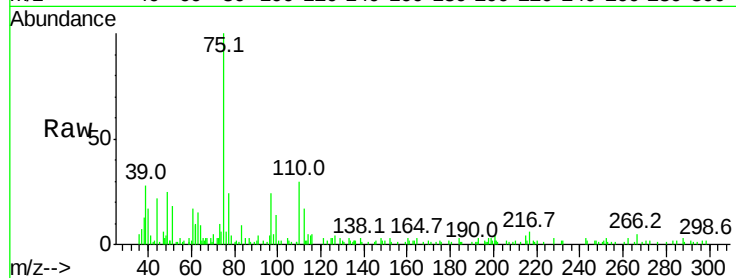
VSTD0.590

Tgt Ion: 75 Resp: 7034

Ion Ratio Lower Upper

75 100

77 42.9 27.5 41.3#



#61

Bromoform

Concen: 0.570 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

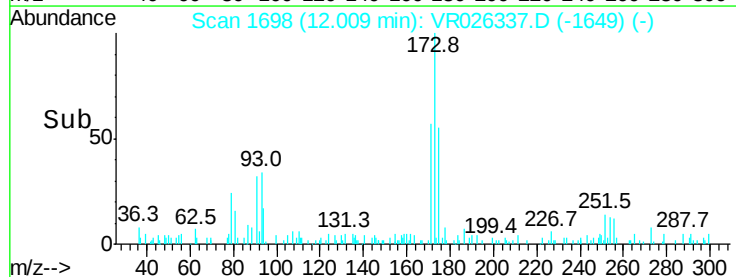
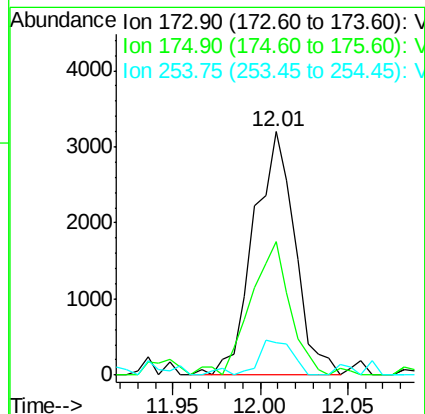
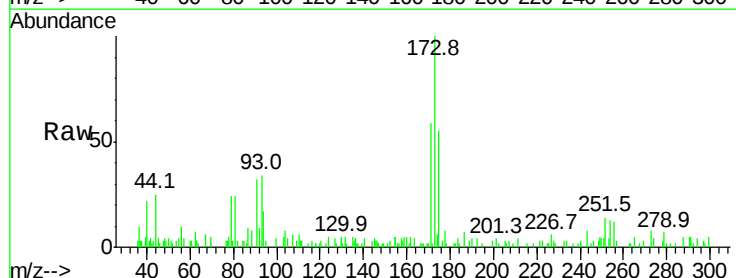
Tgt Ion: 173 Resp: 5241

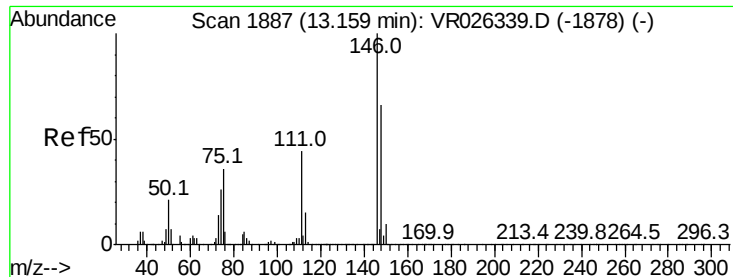
Ion Ratio Lower Upper

173 100

175 52.7 40.0 60.0

254 11.4 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 0.496 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

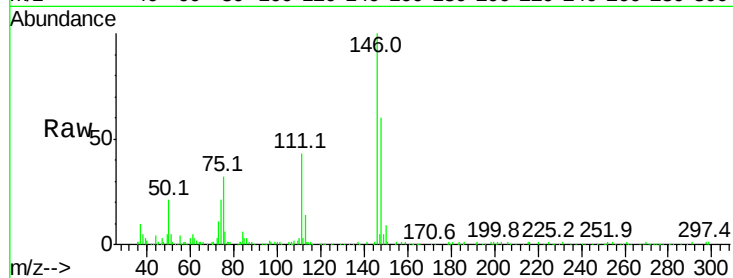
Tgt Ion:146 Resp: 30242

Ion Ratio Lower Upper

146 100

111 42.7 30.7 57.1

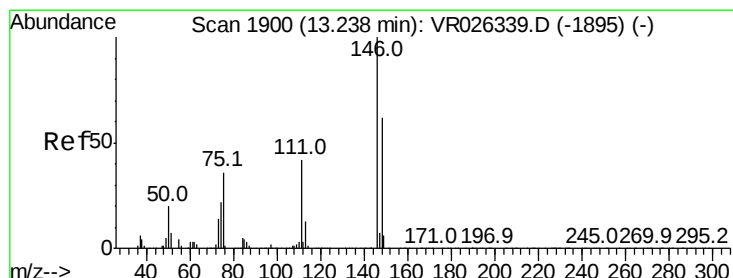
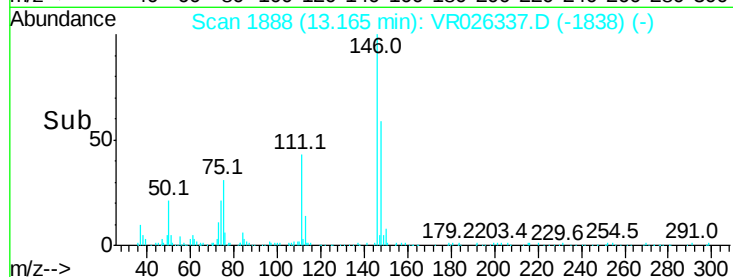
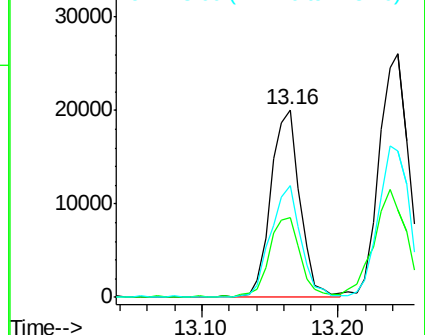
148 59.8 46.1 85.5



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: 0.575 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.01 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

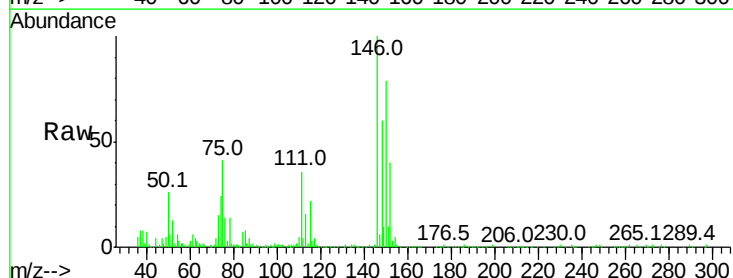
Tgt Ion:146 Resp: 39999

Ion Ratio Lower Upper

146 100

111 36.2 29.5 54.7

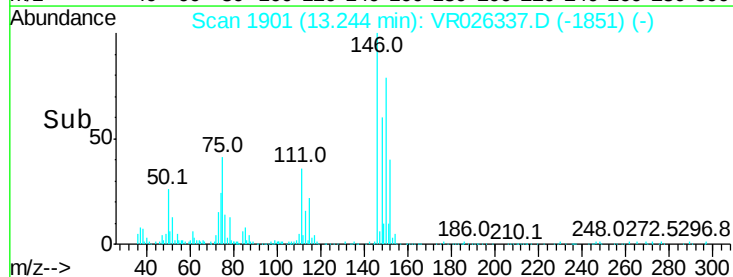
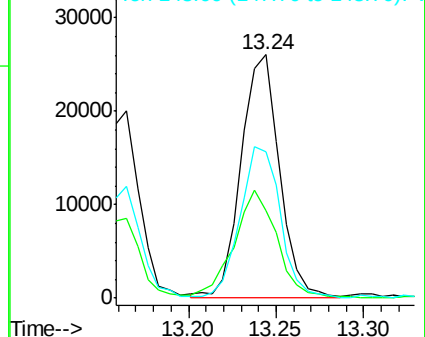
148 60.3 43.8 81.4

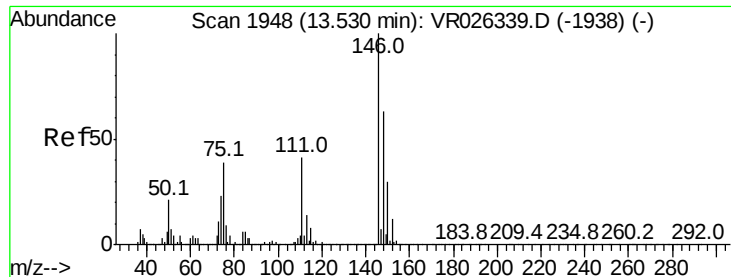


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.494 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

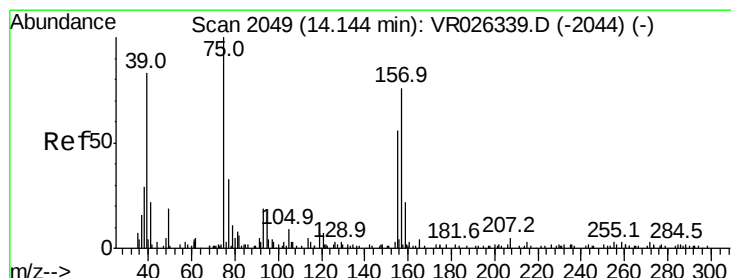
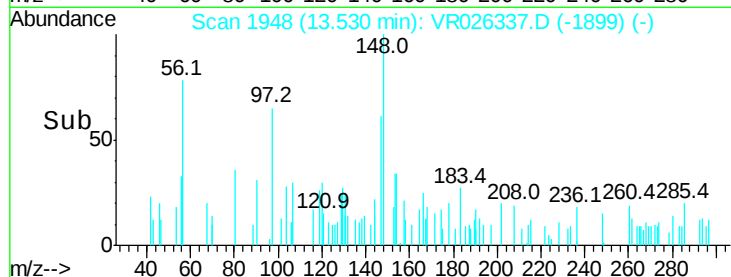
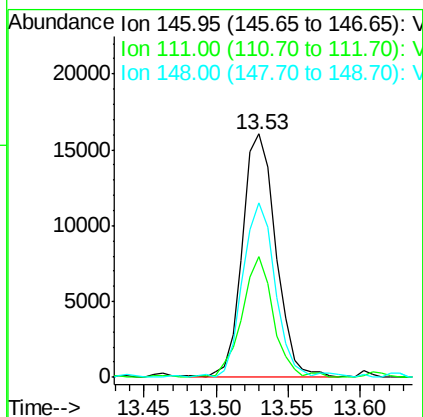
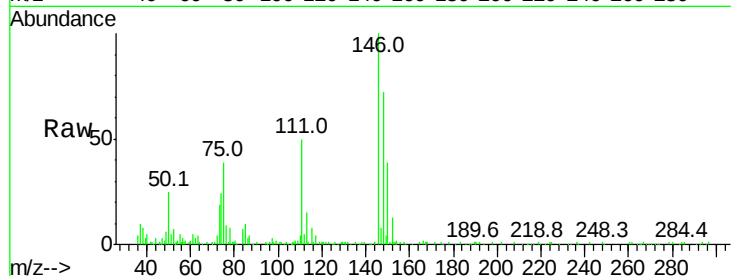
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

Tgt Ion:	146	Resp:	25804
Ion	Ratio	Lower	Upper
146	100		
111	49.7	33.1	49.7#
148	71.5	50.4	75.6



#66

1,2-Dibromo-3-chloropropane

Concen: 0.604 ug/L

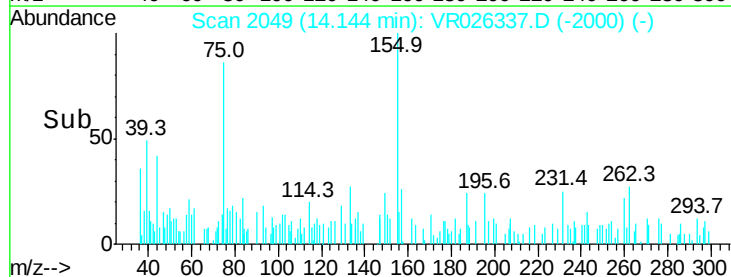
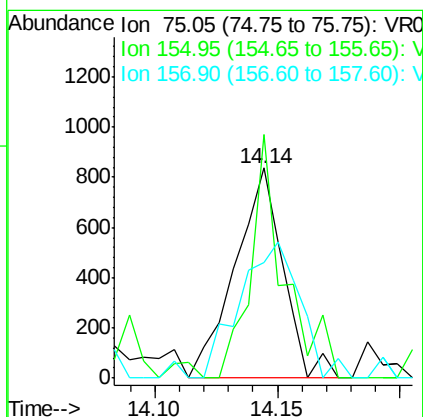
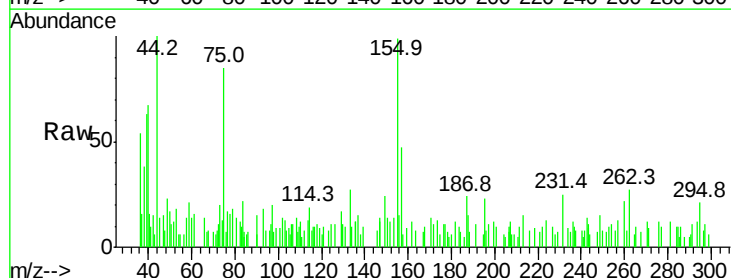
RT: 14.14 min Scan# 2049

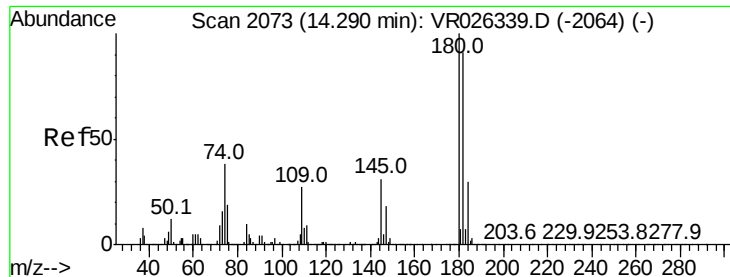
Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Tgt Ion:	75	Resp:	1140
Ion	Ratio	Lower	Upper
75	100		
155	116.0	45.8	68.8#
157	55.1	60.9	91.3#

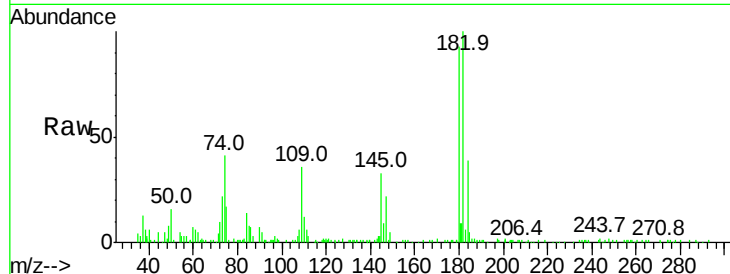




#67
 1,3,5-Trichlorobenzene
 Concen: 0.503 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.590

Tgt Ion:	180	Resp:	19650
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.0	112.4
184	31.4	24.6	37.0
145	35.8	25.1	37.7

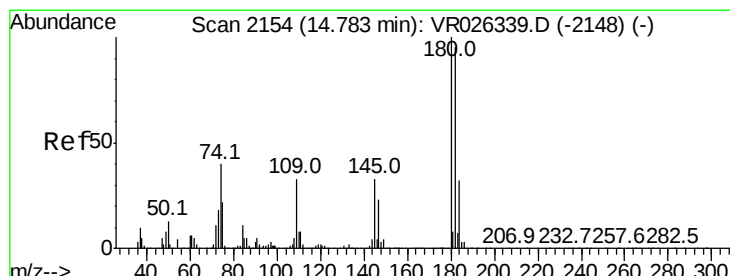
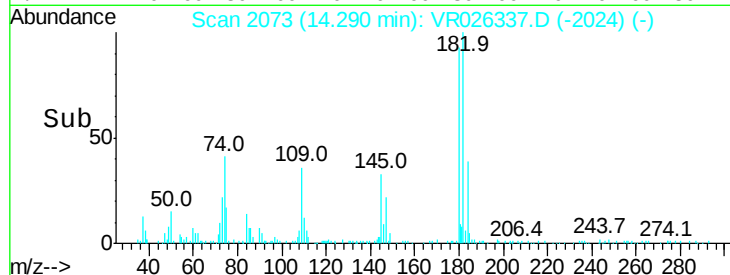
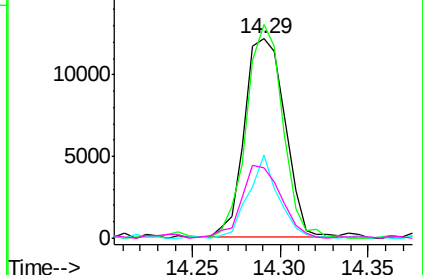


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

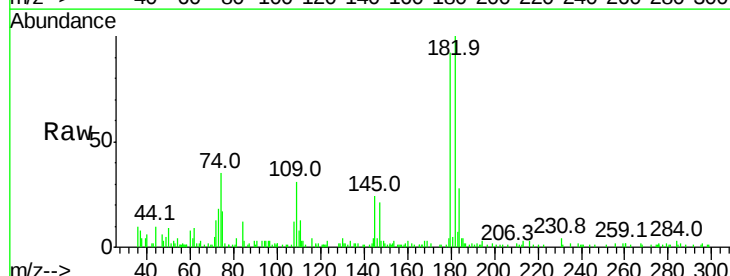
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.463 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026337.D
 Acq: 19 Feb 2019 14:31

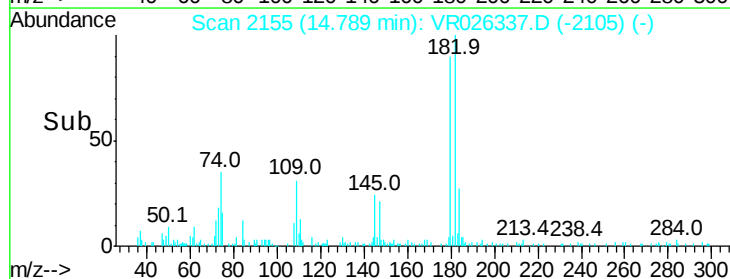
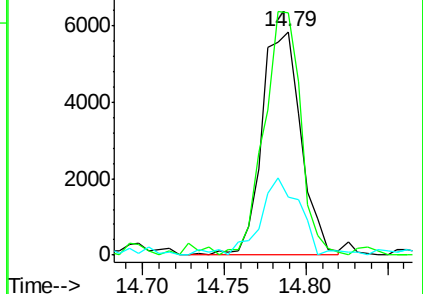
Tgt Ion:	180	Resp:	9769
Ion	Ratio	Lower	Upper
180	100		
182	100.3	74.3	111.5
145	34.2	25.9	38.9

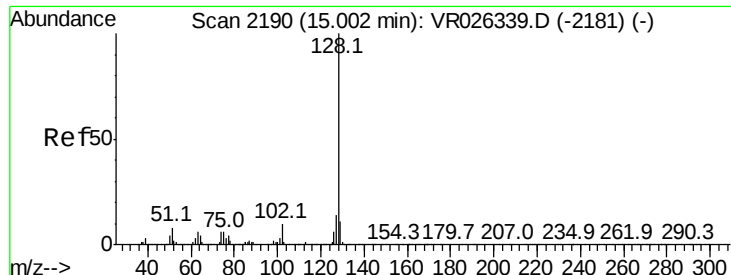


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.393 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.590

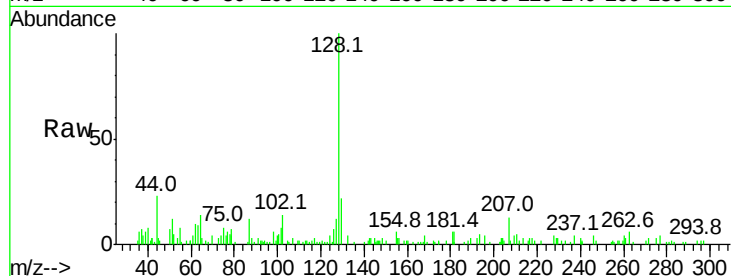
Tgt Ion:128 Resp: 7443

Ion Ratio Lower Upper

128 100

127 18.1 10.9 16.3#

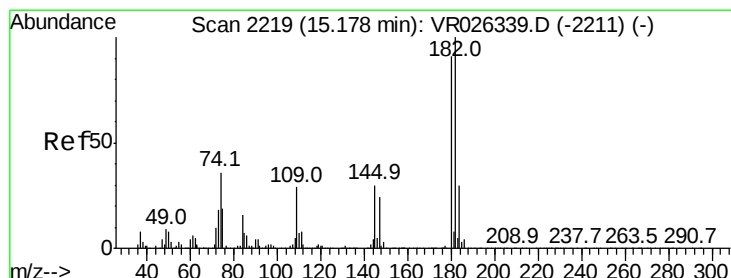
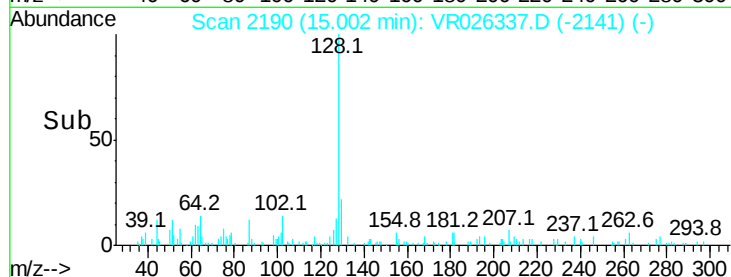
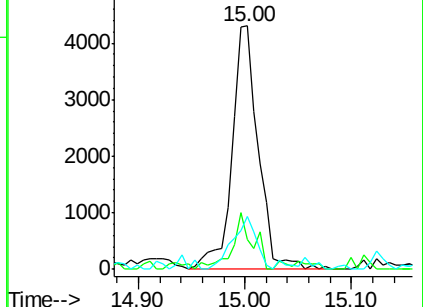
129 19.4 9.3 13.9#



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: 0.525 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026337.D

Acq: 19 Feb 2019 14:31

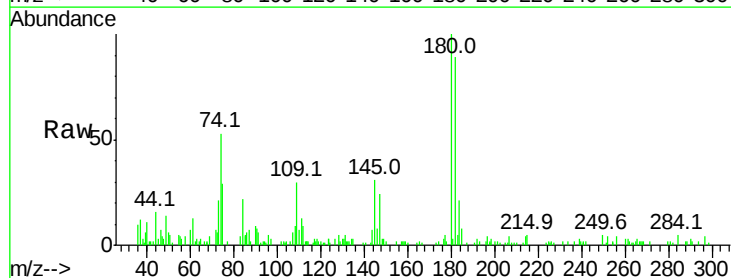
Tgt Ion:180 Resp: 7997

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 33.4 27.7 41.5



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

