

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001109.D
 Acq On : 27 Dec 2019 19:25
 Operator : SY/MD
 Sample : K6438-01
 Misc : 5.75G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

Quant Time: Dec 28 04:05:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	287393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	529388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	482448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	218772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	150624	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.73	113	153944	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.18	98	622462	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.48	95	205671	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	21630	8.637 ug/l	85
3) Chloromethane	2.11	50	20278	5.950 ug/l	99
4) Vinyl Chloride	2.26	62	20130	6.082 ug/l	93
5) Bromomethane	2.65	94	17434	8.225 ug/l	91
6) Chloroethane	2.80	64	14131	6.854 ug/l	93
7) Trichlorofluoromethane	3.13	101	36200	7.456 ug/l	98
8) Diethyl Ether	3.54	74	21500	10.849 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	28460	8.924 ug/l	95
10) Methyl Iodide	4.10	142	32645	7.409 ug/l	97
11) Tert butyl alcohol	4.96	59	16331	52.400 ug/l #	74
12) 1,1-Dichloroethene	3.88	96	26768	8.291 ug/l	98
14) Allyl chloride	4.49	41	42708	8.515 ug/l	97
15) Acrylonitrile	5.18	53	52381	52.887 ug/l	97
16) Acetone	3.96	43	37988	58.175 ug/l	96
17) Carbon Disulfide	4.20	76	82583	7.828 ug/l	99
18) Methyl Acetate	4.49	43	84717	33.816 ug/l	96
19) Methyl tert-butyl Ether	5.23	73	87169	10.461 ug/l	98
20) Methylene Chloride	4.72	84	44905	11.683 ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	31206	8.721 ug/l	96
22) Diisopropyl ether	6.13	45	96984	9.566 ug/l #	88
23) Vinyl Acetate	6.13	43	45925	7.173 ug/l #	69
24) 1,1-Dichloroethane	6.04	63	52878	8.826 ug/l	97
25) 2-Butanone	7.00	43	57826	50.409 ug/l	98
26) 2,2-Dichloropropane	6.99	77	39510	8.027 ug/l	95
27) cis-1,2-Dichloroethene	6.99	96	38311	9.746 ug/l	97
28) Bromochloromethane	7.34	49	24390	10.434 ug/l	91
29) Tetrahydrofuran	7.36	42	42827	52.485 ug/l	97
30) Chloroform	7.52	83	54038	9.539 ug/l	90
31) Cyclohexane	7.79	56	53777	8.536 ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	39965	8.270 ug/l	96
36) 1,1-Dichloropropene	7.93	75	40385	7.997 ug/l	97
37) Ethyl Acetate	7.08	43	6337	2.266 ug/l #	77
38) Carbon Tetrachloride	7.91	117	34544	7.807 ug/l #	91
39) Methylcyclohexane	9.19	83	52737	7.863 ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) Benzene	8.17	78	136027	8.928	ug/l	98
41) Methacrylonitrile	7.35	41	33950	28.002	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	35769	9.819	ug/l	96
43) Isopropyl Acetate	8.28	43	18962	3.663	ug/l #	61
44) Trichloroethene	8.94	130	34963	8.709	ug/l	95
45) 1,2-Dichloropropane	9.22	63	36263	9.487	ug/l	98
46) Dibromomethane	9.31	93	19706	10.001	ug/l	98
47) Bromodichloromethane	9.50	83	40762	8.931	ug/l	96
48) Methyl methacrylate	9.30	41	26651	12.064	ug/l	90
49) 1,4-Dioxane	9.30	88	7590	263.336	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	127164	47.130	ug/l	98
52) Toluene	10.24	92	82708	8.820	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	42472	8.575	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	52115	8.750	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	29318	9.967	ug/l	97
56) Ethyl methacrylate	10.51	69	8431	2.014	ug/l	94
57) 1,3-Dichloropropane	10.79	76	52214	10.127	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.78	63	66338	41.027	ug/l	100
59) 2-Hexanone	10.83	43	74654	39.987	ug/l	94
60) Dibromochloromethane	10.99	129	29745	9.467	ug/l	99
61) 1,2-Dibromoethane	11.08	107	28816	10.245	ug/l	100
64) Tetrachloroethene	10.72	164	34426	8.247	ug/l	99
65) Chlorobenzene	11.51	112	86403	8.634	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	29398	8.902	ug/l	96
67) Ethyl Benzene	11.59	91	150038	8.335	ug/l	97
68) m/p-Xylenes	11.70	106	110153	16.117	ug/l	100
69) o-Xylene	12.03	106	54790	8.521	ug/l	99
70) Styrene	12.04	104	70573	6.455	ug/l	97
71) Bromoform	12.20	173	18690	10.164	ug/l #	92
73) Isopropylbenzene	12.33	105	136521	8.064	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	32844	9.848	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	42448	15.739	ug/l #	100
77) Bromobenzene	12.61	156	32516	8.540	ug/l	99
78) n-propylbenzene	12.67	91	155535	7.540	ug/l	98
79) 2-Chlorotoluene	12.75	91	89627	7.867	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	106241	7.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	9666	7.644	ug/l	97
82) 4-Chlorotoluene	12.85	91	89371	7.553	ug/l	99
83) tert-Butylbenzene	13.07	119	94826	8.140	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	105032	7.532	ug/l	95
85) sec-Butylbenzene	13.25	105	129631	7.548	ug/l	99
86) p-Isopropyltoluene	13.36	119	100602	6.770	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	55384	7.574	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	54431	7.379	ug/l	94
89) n-Butylbenzene	13.69	91	92065	6.158	ug/l	97
90) Hexachloroethane	13.95	117	20166	7.203	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	52691	7.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4507	8.077	ug/l	84
93) 1,2,4-Trichlorobenzene	15.00	180	24430	5.366	ug/l	98
94) Hexachlorobutadiene	15.11	225	12117	5.592	ug/l	98

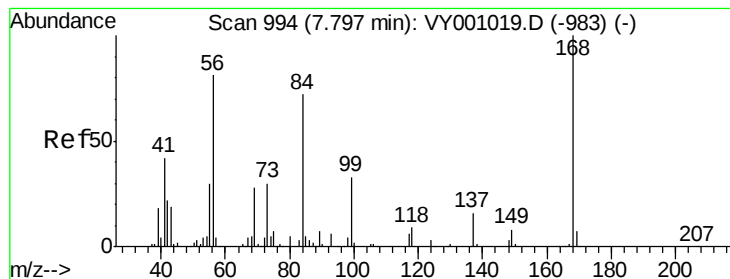
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.23	128	68289	6.378	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	23049	5.676	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

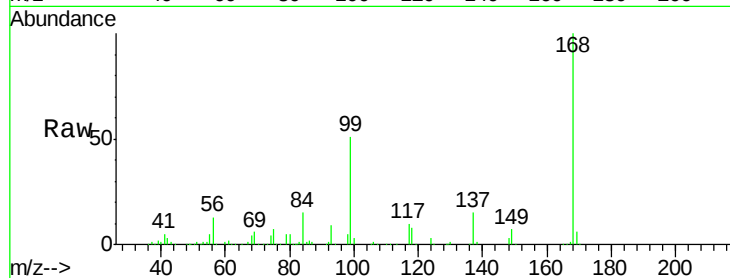
DUNR-BF001-01

Tgt Ion:168 Resp: 287393

Ion Ratio Lower Upper

168 100

99 51.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001109.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001109.D (-983) (-)

7.80

150000

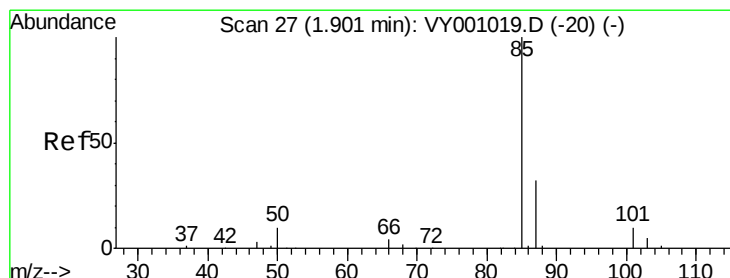
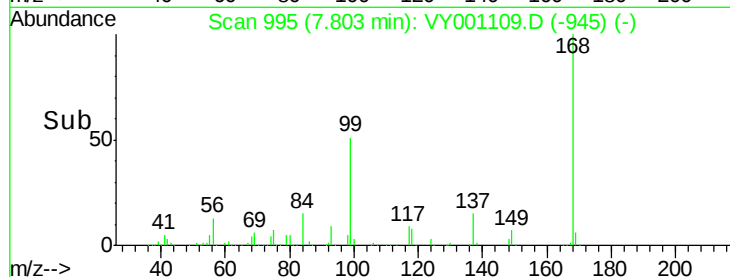
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 8.637 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001109.D

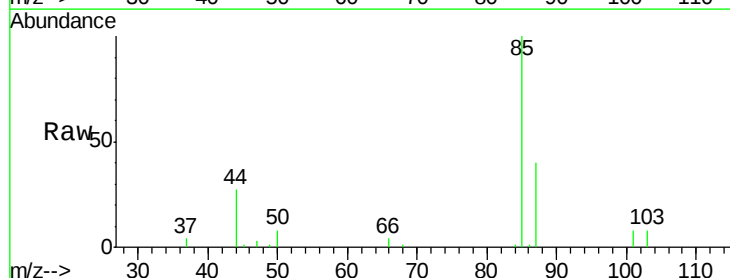
Acq: 27 Dec 2019 19:25

Tgt Ion: 85 Resp: 21630

Ion Ratio Lower Upper

85 100

87 40.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001109.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001109.D (-20) (-)

1.90

15000

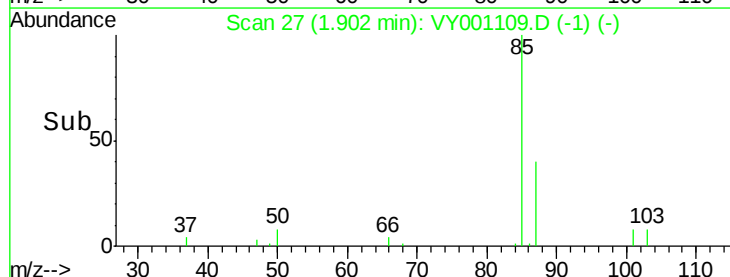
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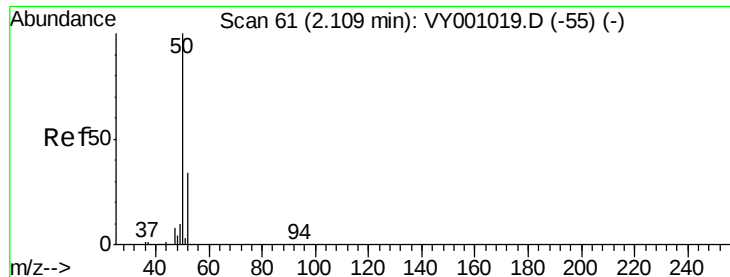
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 5.950 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

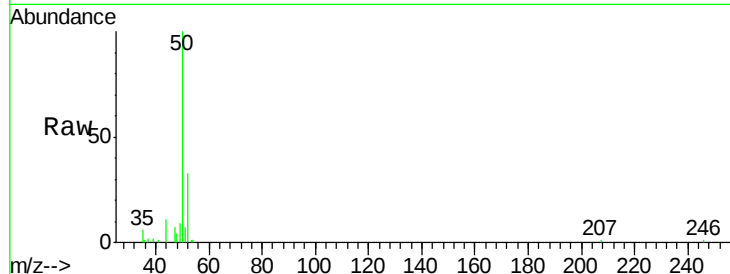
DUNR-BF001-01

Tgt Ion: 50 Resp: 20278

Ion Ratio Lower Upper

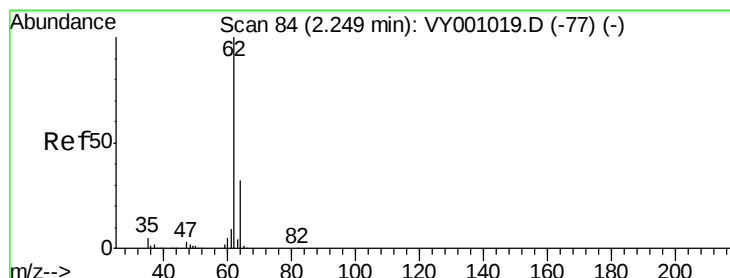
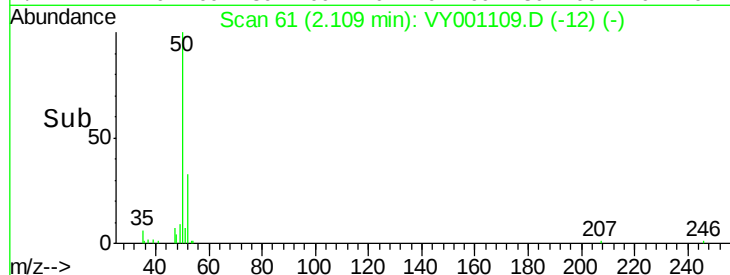
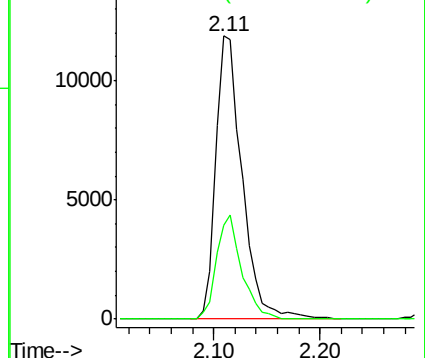
50 100

52 33.2 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 6.082 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001109.D

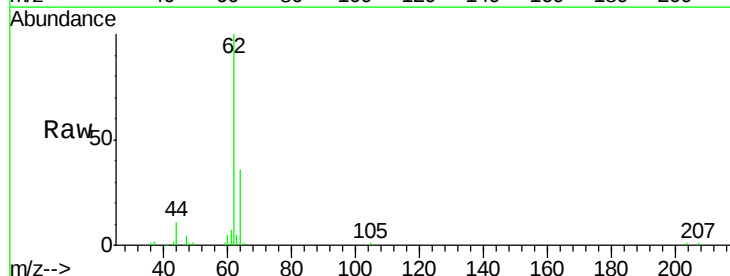
Acq: 27 Dec 2019 19:25

Tgt Ion: 62 Resp: 20130

Ion Ratio Lower Upper

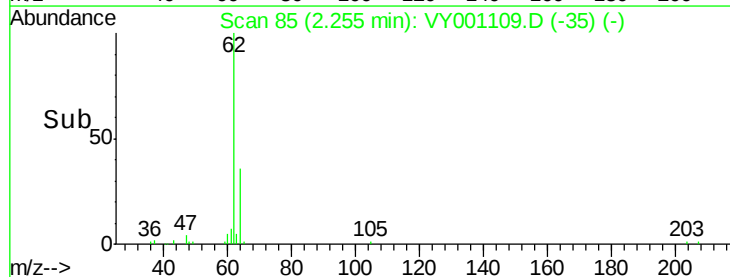
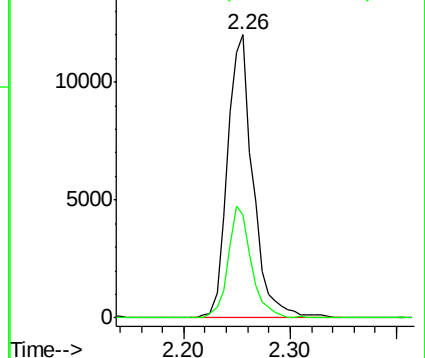
62 100

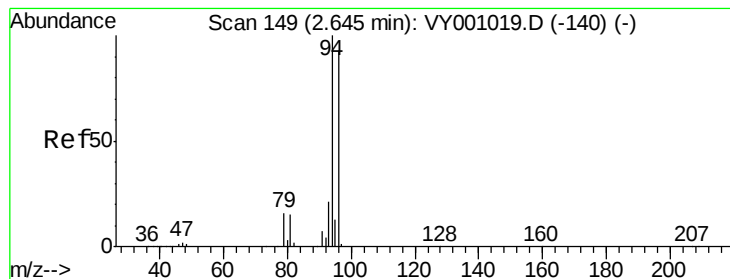
64 36.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 8.225 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

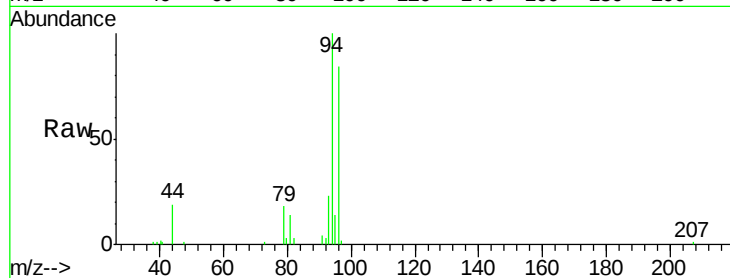
DUNR-BF001-01

Tgt Ion: 94 Resp: 17434

Ion Ratio Lower Upper

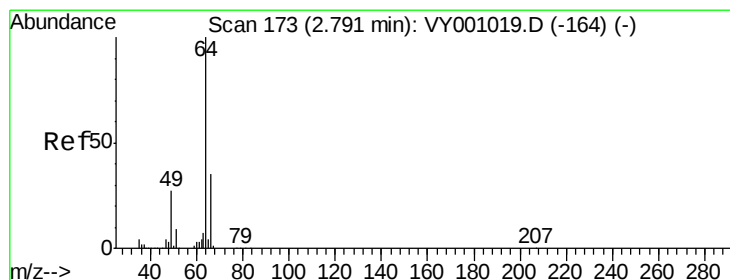
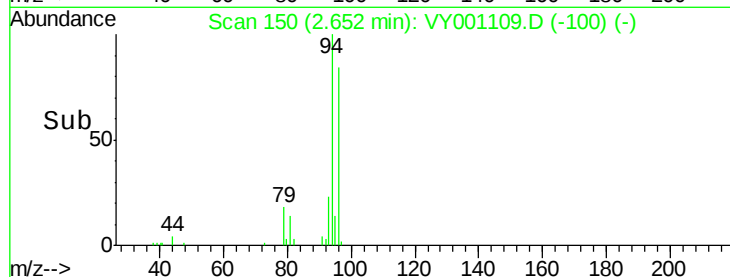
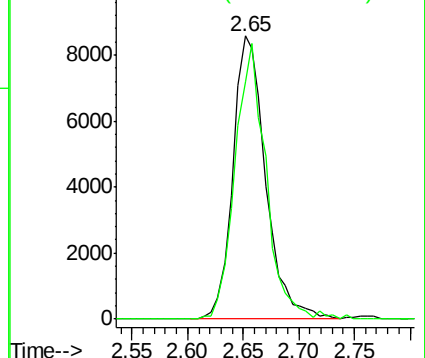
94 100

96 83.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 6.854 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.01 min

Lab File: VY001109.D

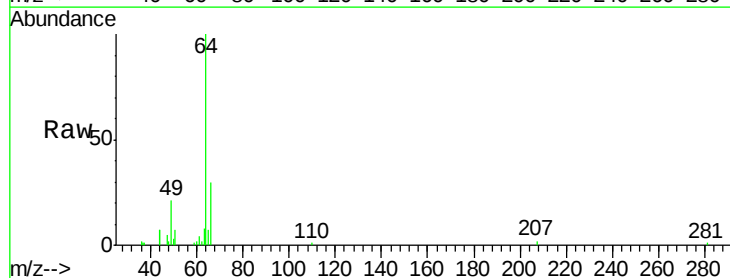
Acq: 27 Dec 2019 19:25

Tgt Ion: 64 Resp: 14131

Ion Ratio Lower Upper

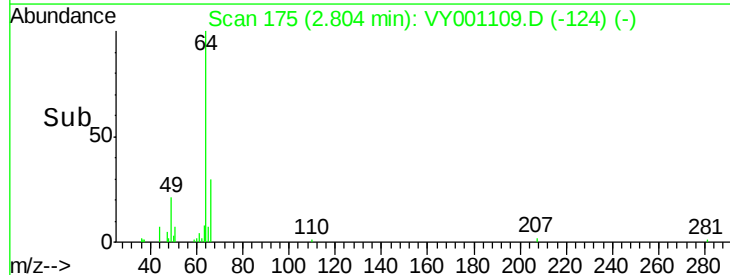
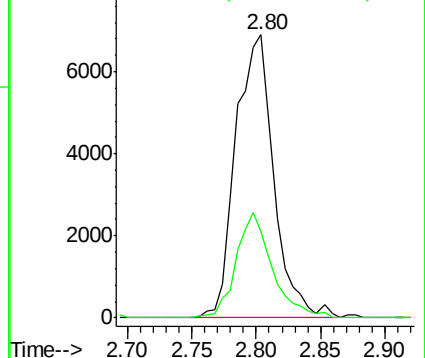
64 100

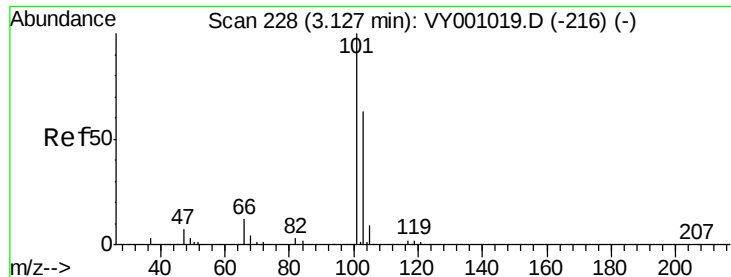
66 30.4 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



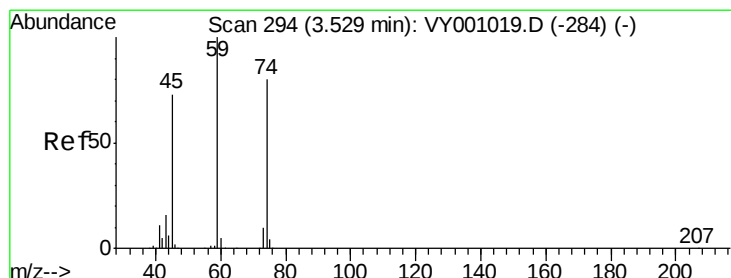
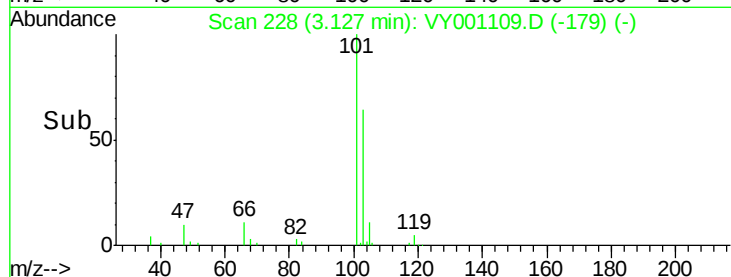
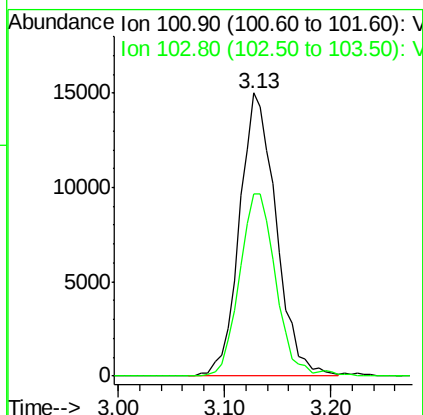
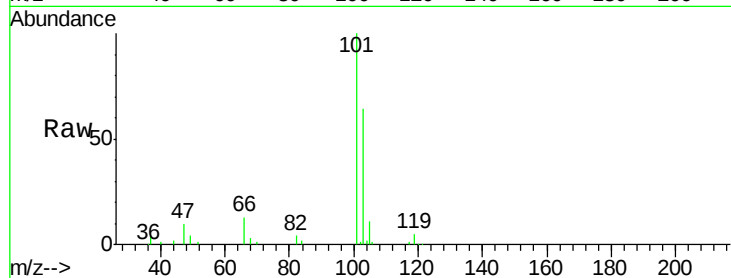


#7

Trichlorofluoromethane
Concen: 7.456 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

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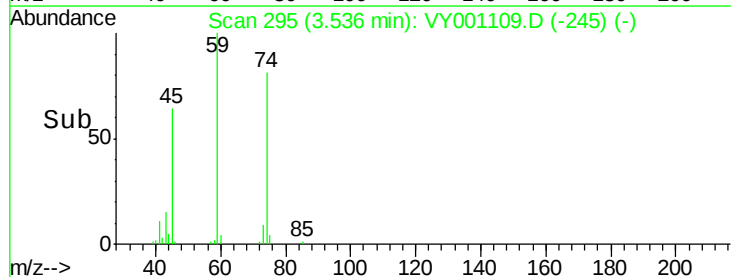
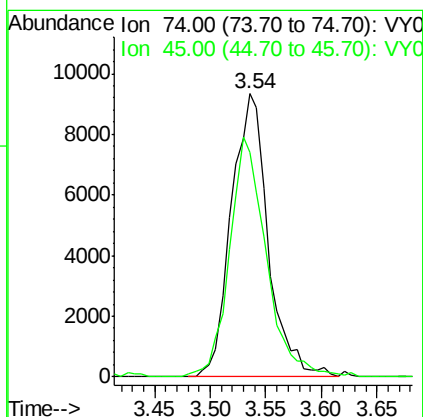
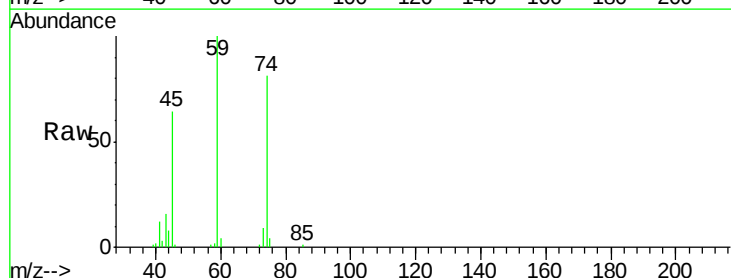
Tgt Ion:101 Resp: 36200
Ion Ratio Lower Upper
101 100
103 64.2 50.2 75.2

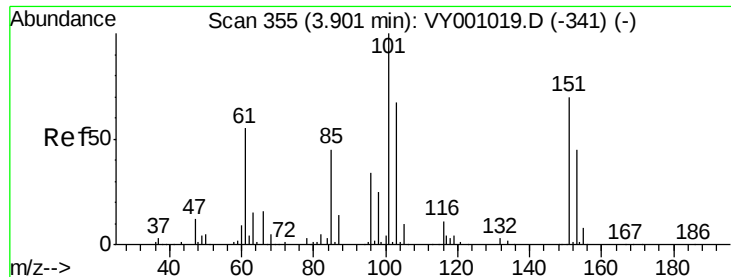


#8

Diethyl Ether
Concen: 10.849 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 74 Resp: 21500
Ion Ratio Lower Upper
74 100
45 84.5 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.924 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

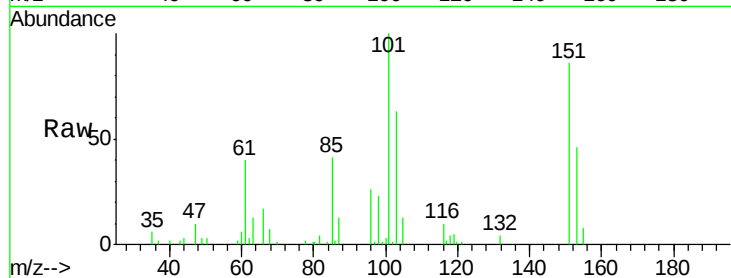
Tgt Ion:101 Resp: 28460

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.2

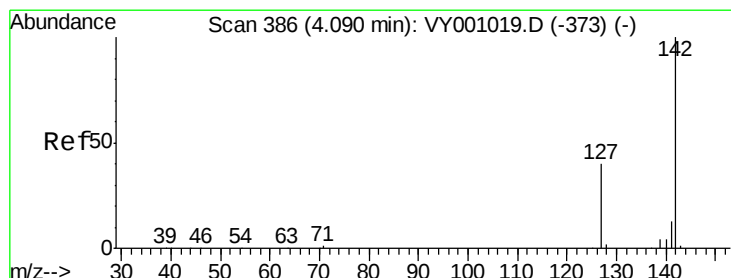
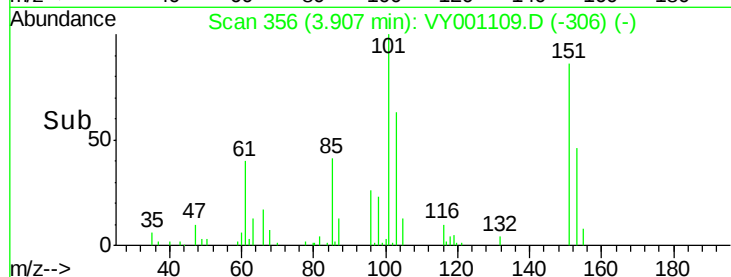
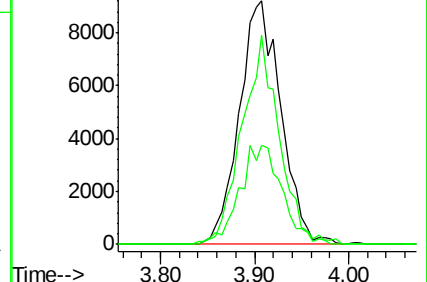
151 76.7 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.409 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

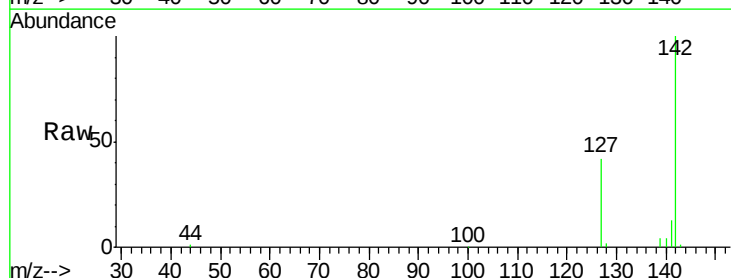
Tgt Ion:142 Resp: 32645

Ion Ratio Lower Upper

142 100

127 40.8 31.2 46.8

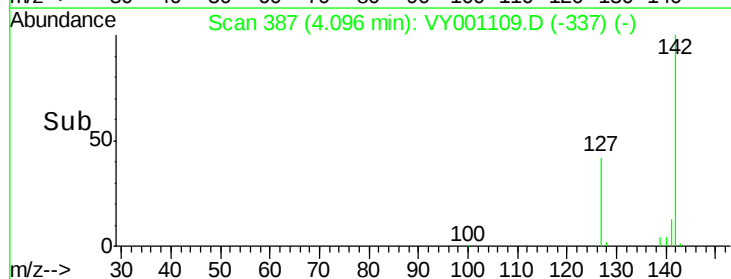
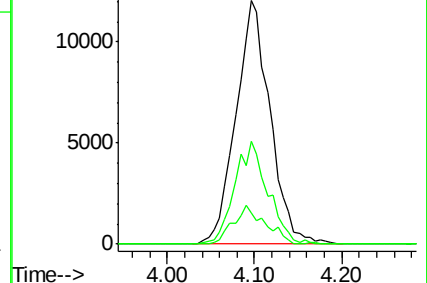
141 14.9 11.0 16.4

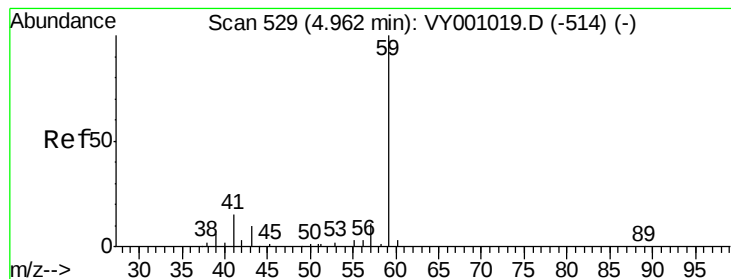


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



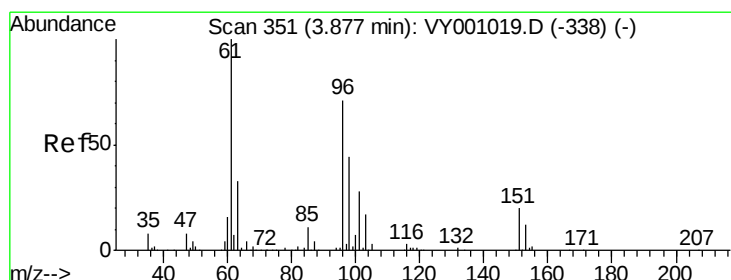
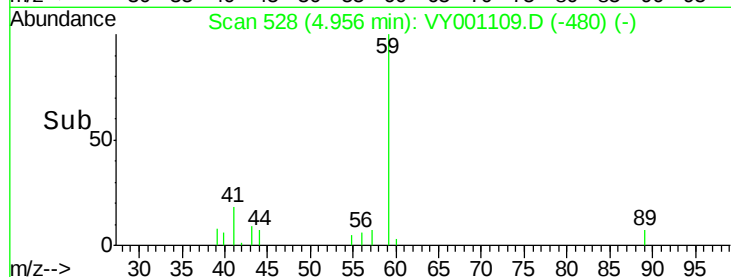
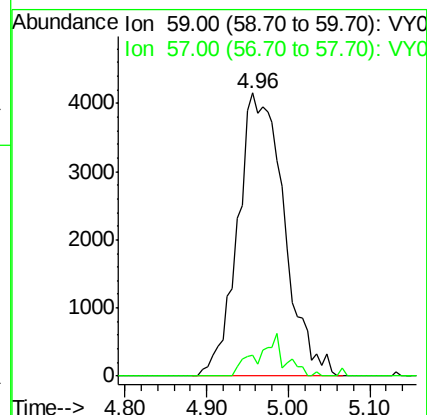
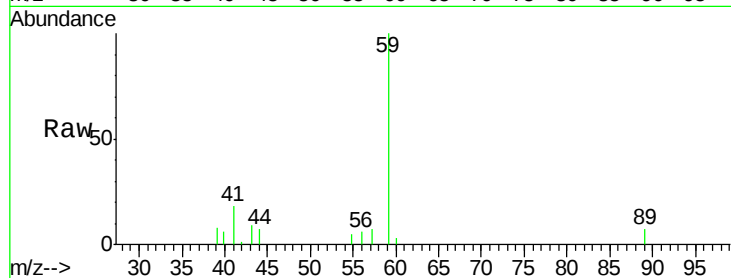


#11

Tert butyl alcohol
 Concen: 52.400 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

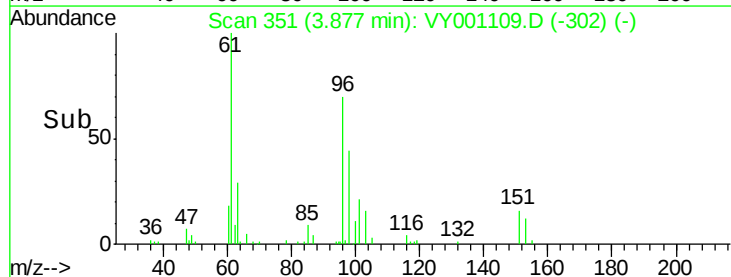
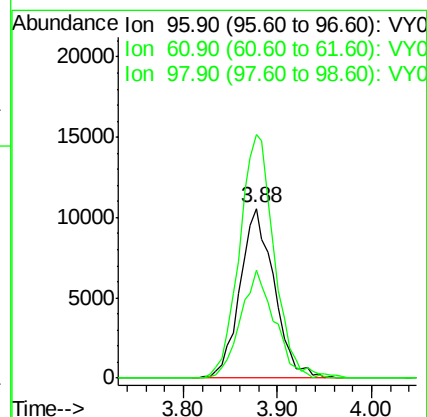
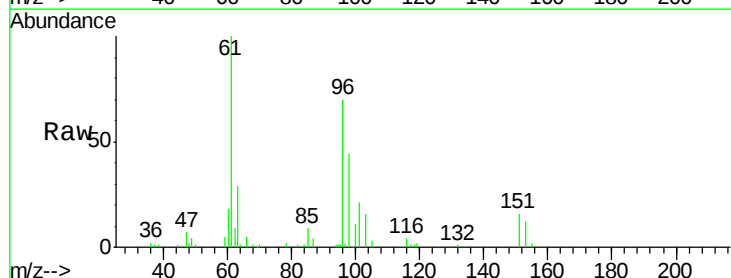
Tgt Ion: 59 Resp: 16331
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

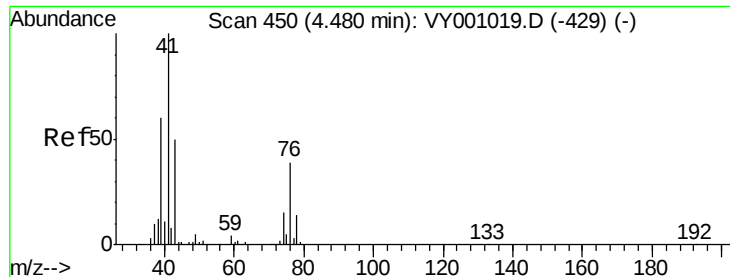


#12

1,1-Dichloroethene
 Concen: 8.291 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 96 Resp: 26768
 Ion Ratio Lower Upper
 96 100
 61 143.6 113.0 169.4
 98 63.5 49.8 74.8





#14

Allyl chloride

Concen: 8.515 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

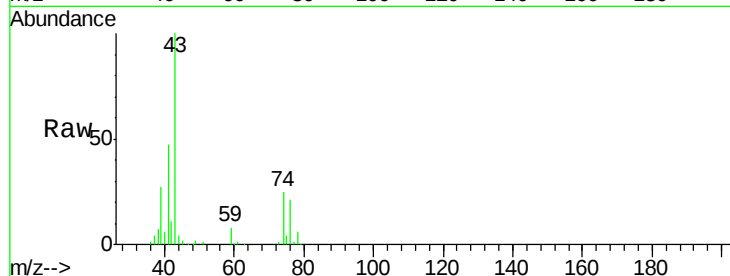
Tgt Ion: 41 Resp: 42708

Ion Ratio Lower Upper

41 100

39 54.9 46.0 69.0

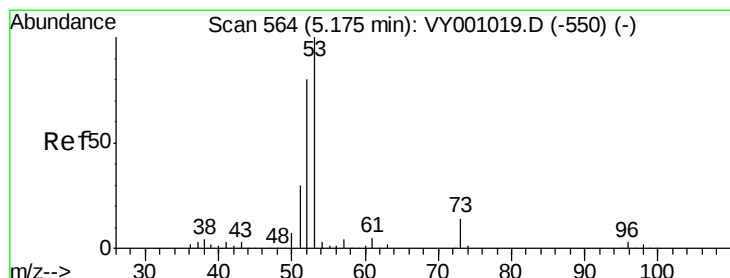
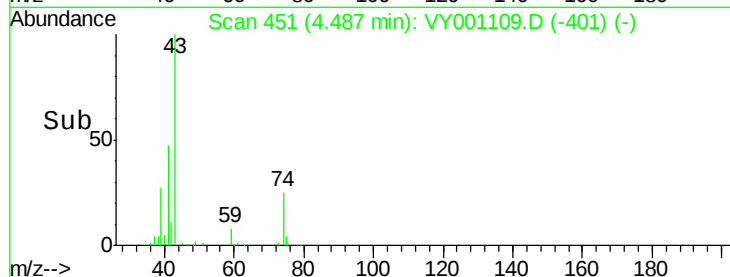
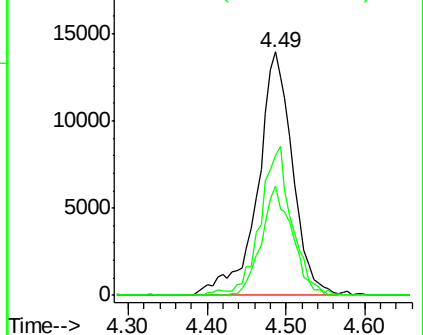
76 39.3 32.6 48.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0



#15

Acrylonitrile

Concen: 52.887 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

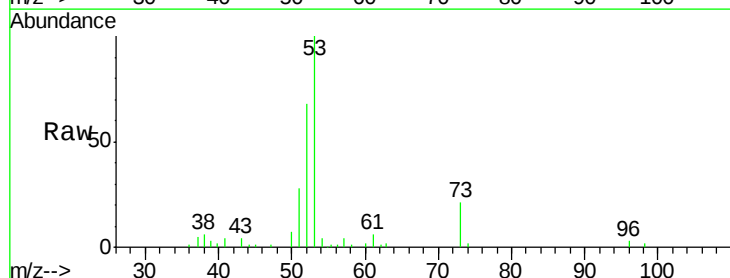
Tgt Ion: 53 Resp: 52381

Ion Ratio Lower Upper

53 100

52 76.1 63.6 95.4

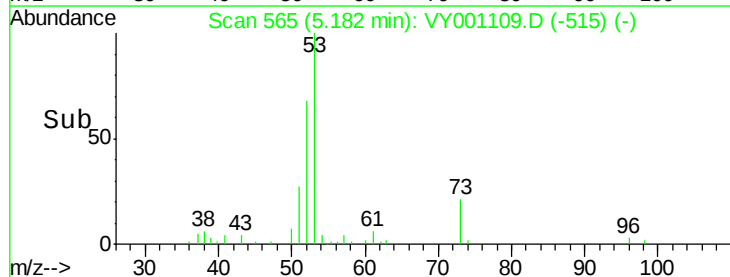
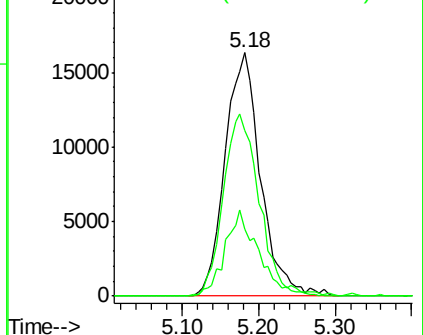
51 33.3 26.7 40.1

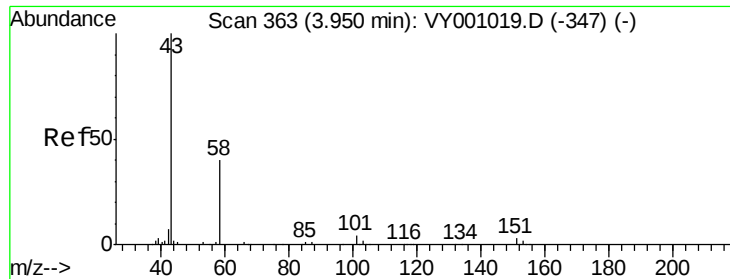


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 58.175 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

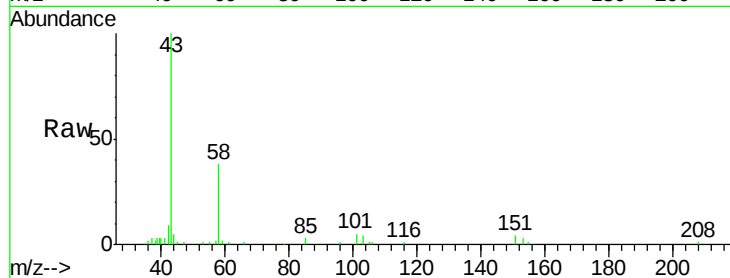
DUNR-BF001-01

Tgt Ion: 43 Resp: 37988

Ion Ratio Lower Upper

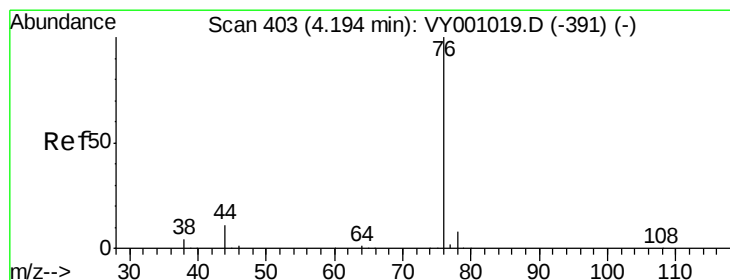
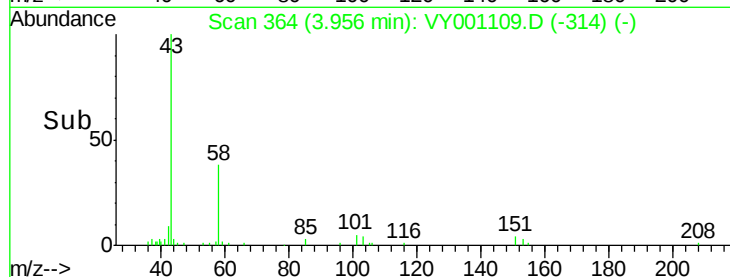
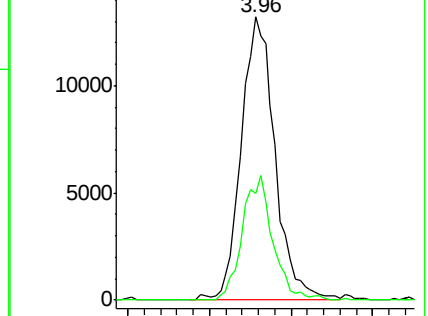
43 100

58 37.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#17

Carbon Disulfide

Concen: 7.828 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001109.D

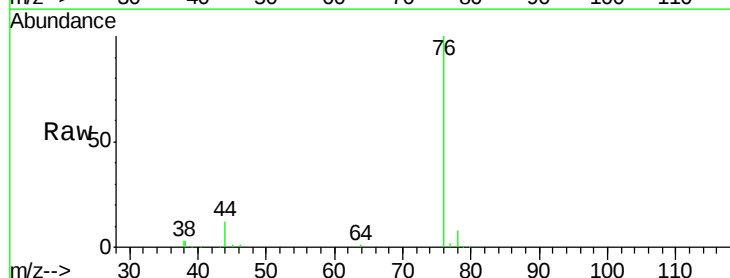
Acq: 27 Dec 2019 19:25

Tgt Ion: 76 Resp: 82583

Ion Ratio Lower Upper

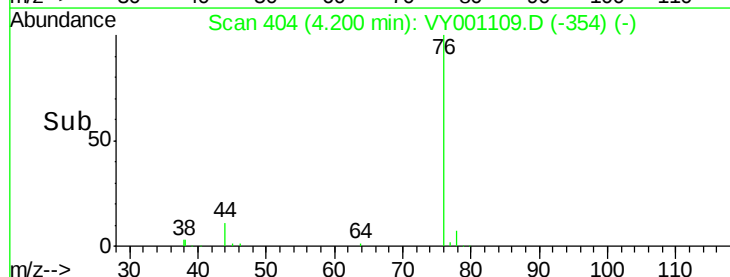
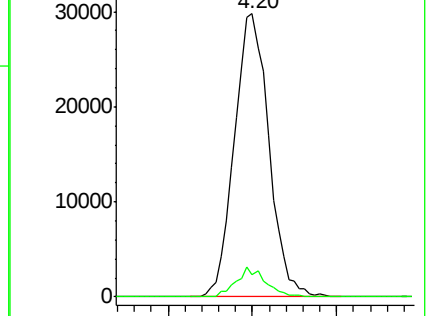
76 100

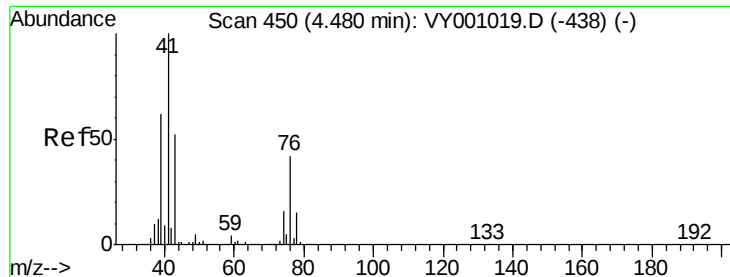
78 7.9 6.7 10.1



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

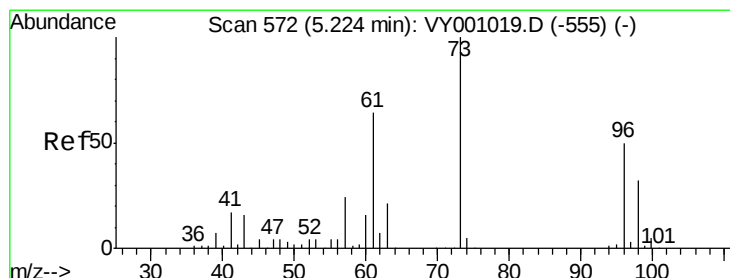
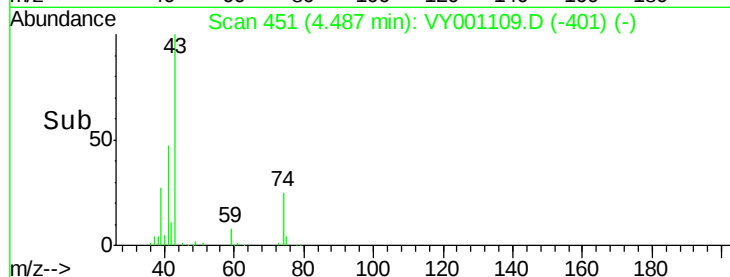
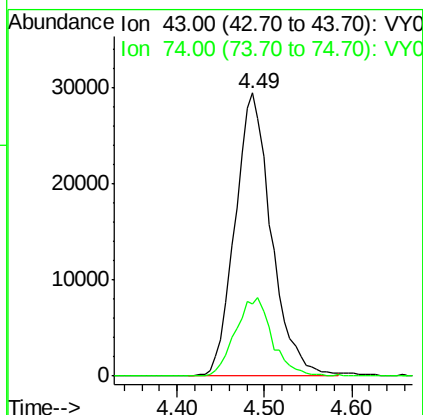
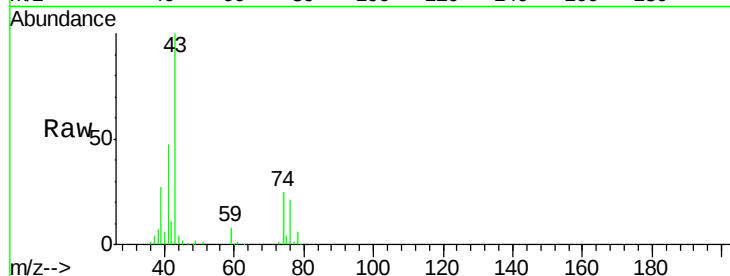




#18
Methyl Acetate
Concen: 33.816 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

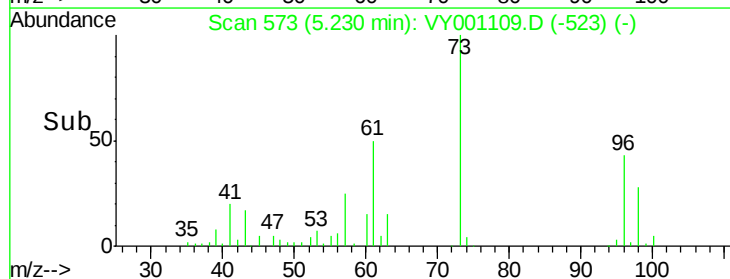
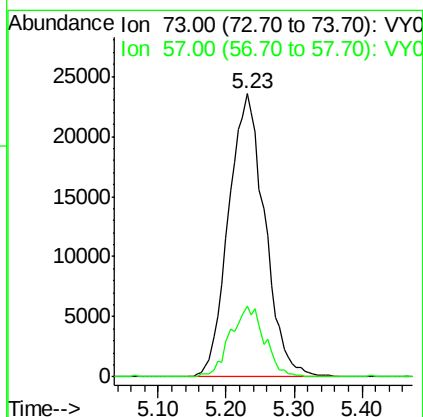
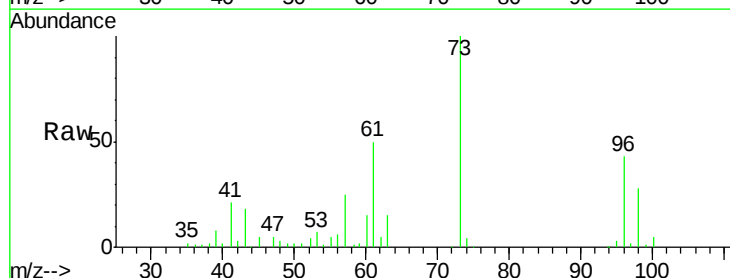
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

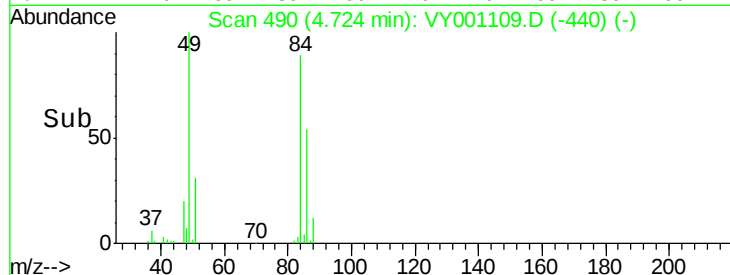
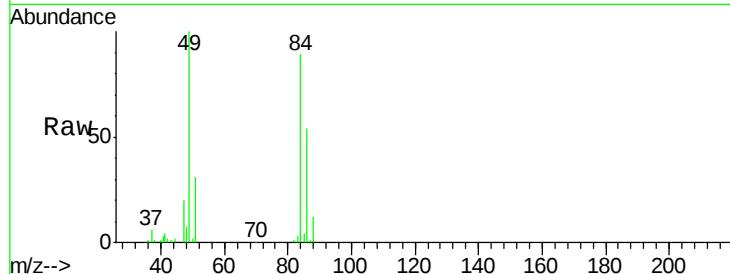
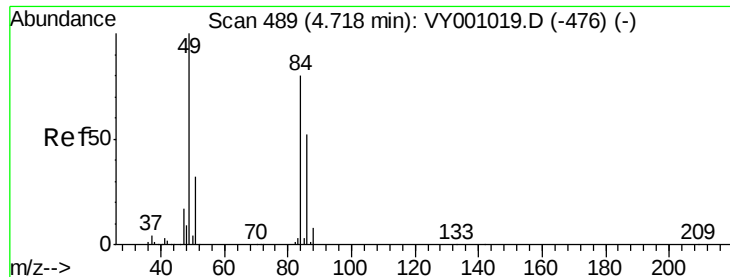
Tgt Ion: 43 Resp: 84717
Ion Ratio Lower Upper
43 100
74 28.0 20.7 31.1



#19
Methyl tert-butyl Ether
Concen: 10.461 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 73 Resp: 87169
Ion Ratio Lower Upper
73 100
57 25.0 19.0 28.6

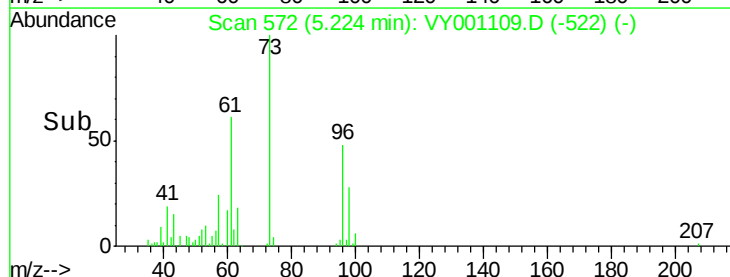
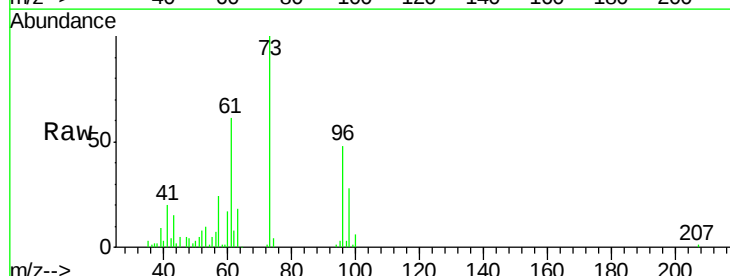
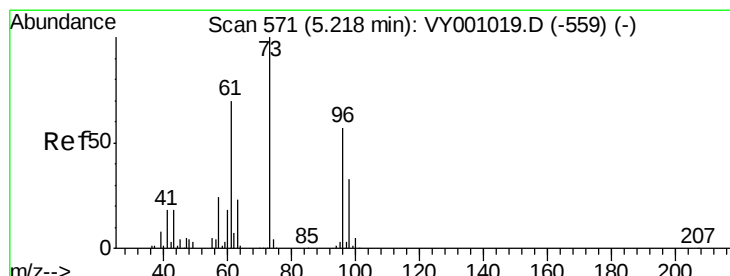
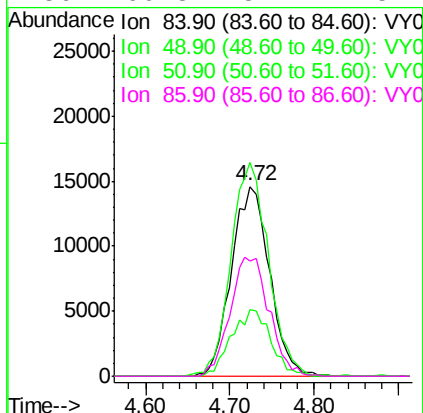




#20
Methylene Chloride
Concen: 11.683 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

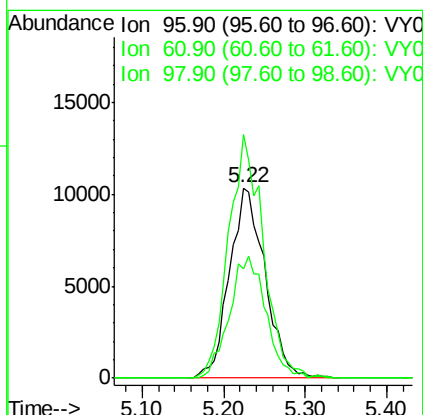
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

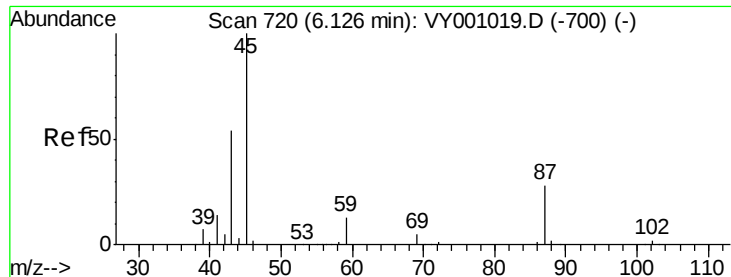
Tgt Ion:	84	Resp:	44905
Ion	Ratio	Lower	Upper
84	100		
49	112.7	99.8	149.6
51	35.2	31.4	47.2
86	60.8	52.2	78.2



#21
trans-1,2-Dichloroethene
Concen: 8.721 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion:	96	Resp:	31206
Ion	Ratio	Lower	Upper
96	100		
61	128.1	98.1	147.1
98	57.6	47.2	70.8





#22

Diisopropyl ether

Concen: 9.566 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

Tgt Ion: 45 Resp: 96984

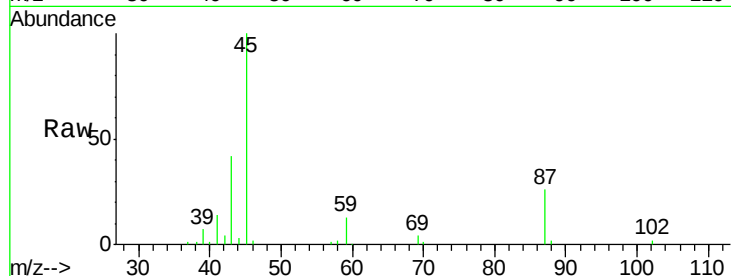
Ion Ratio Lower Upper

45 100

43 41.7 43.6 65.4#

87 26.3 23.1 34.7

59 13.0 10.2 15.4

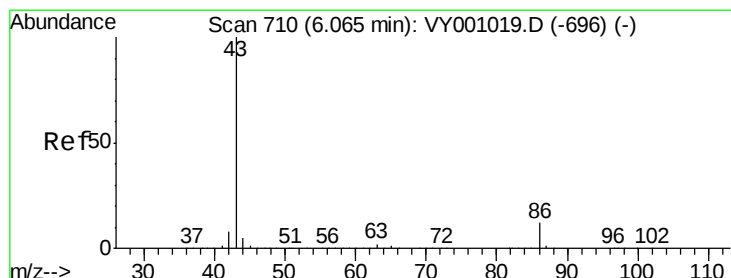
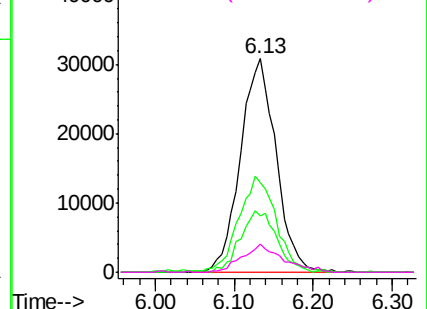
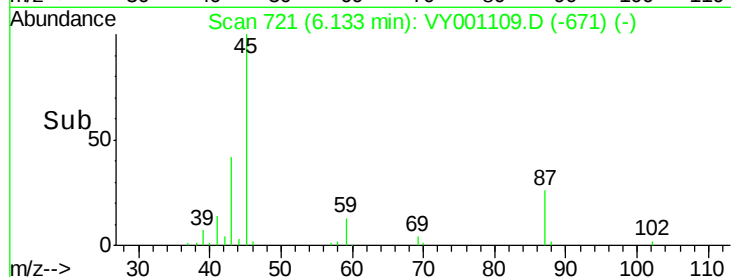


Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0



#23

Vinyl Acetate

Concen: 7.173 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.06 min

Lab File: VY001109.D

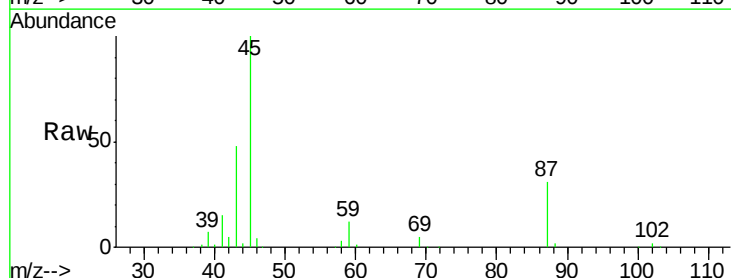
Acq: 27 Dec 2019 19:25

Tgt Ion: 43 Resp: 45925

Ion Ratio Lower Upper

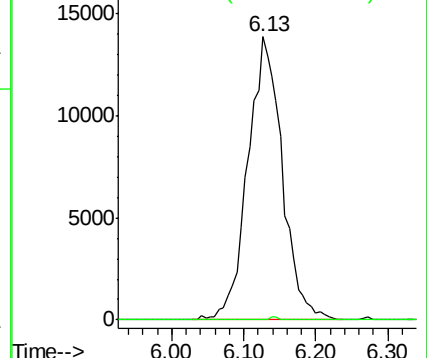
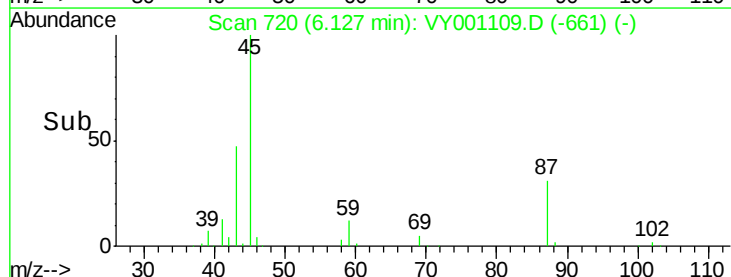
43 100

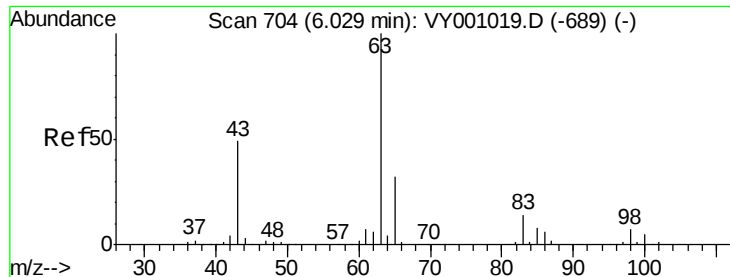
86 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#24

1,1-Dichloroethane

Concen: 8.826 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

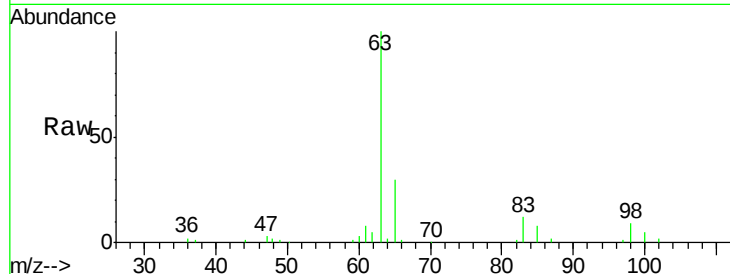
Tgt Ion: 63 Resp: 52878

Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.2

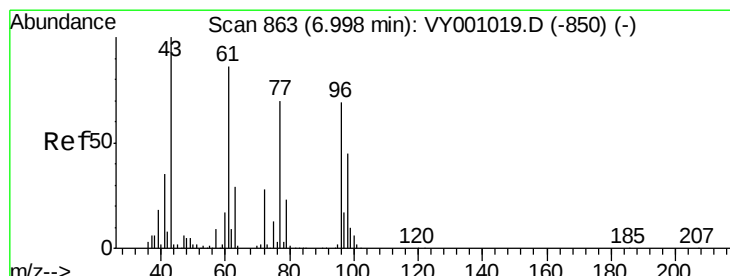
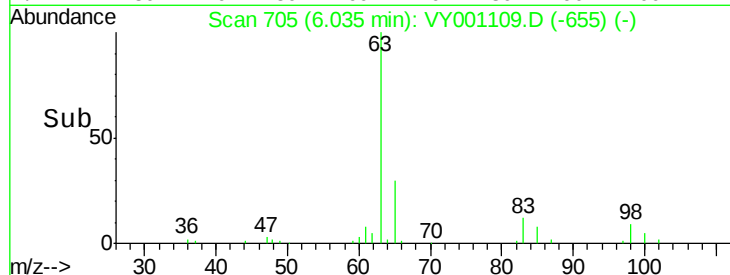
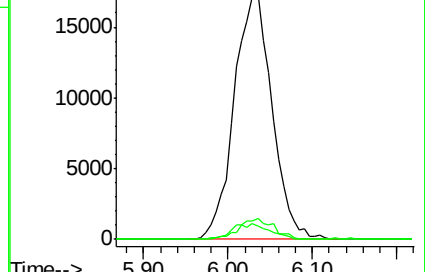
100 5.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY001109.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VY001109.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VY001109.D (-689) (-)



#25

2-Butanone

Concen: 50.409 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001109.D

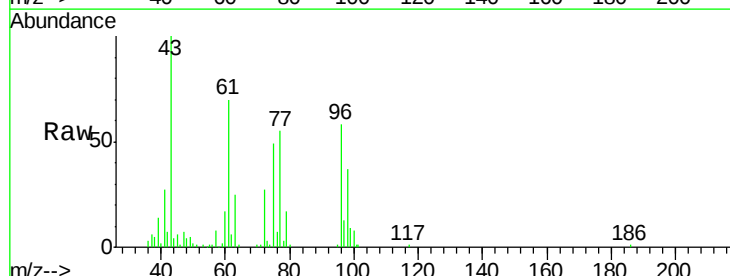
Acq: 27 Dec 2019 19:25

Tgt Ion: 43 Resp: 57826

Ion Ratio Lower Upper

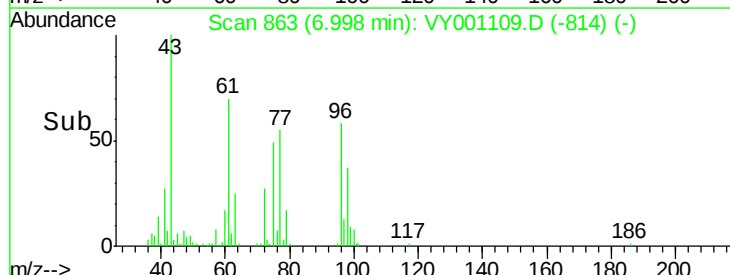
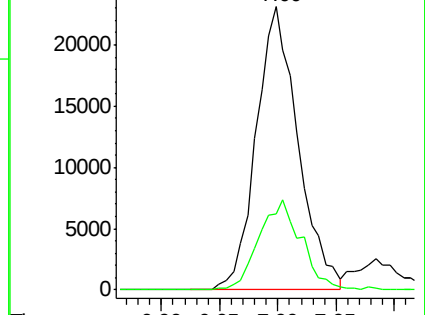
43 100

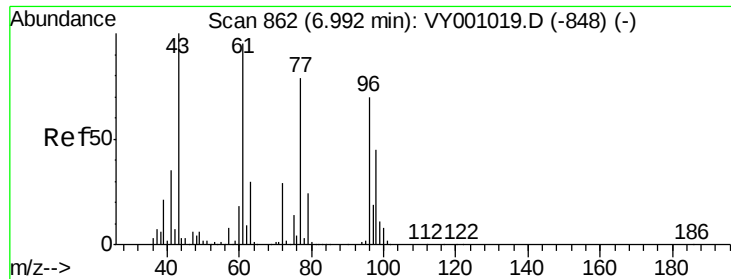
72 27.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY001109.D (-850) (-)

Ion 72.00 (71.70 to 72.70): VY001109.D (-850) (-)

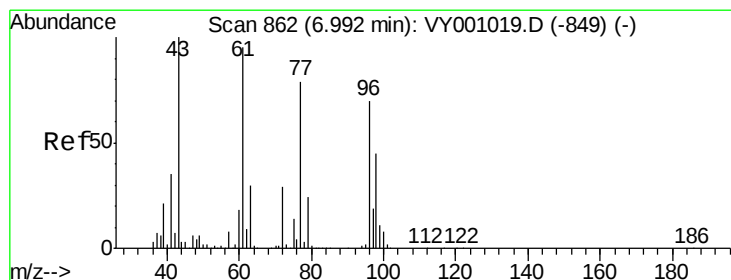
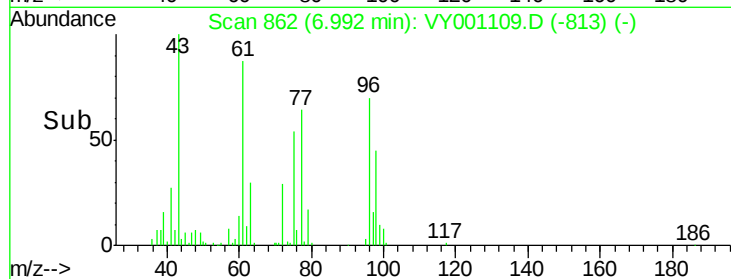
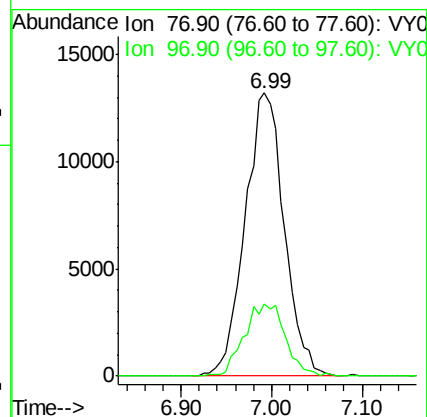
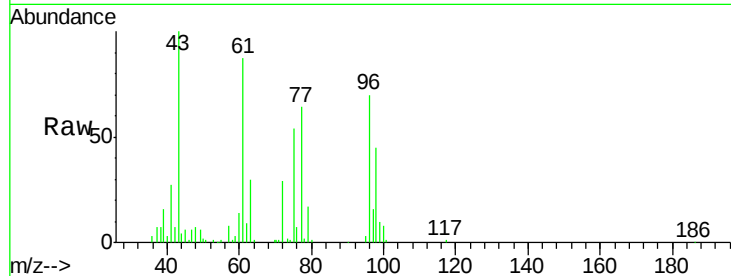




#26
 2,2-Dichloropropane
 Concen: 8.027 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

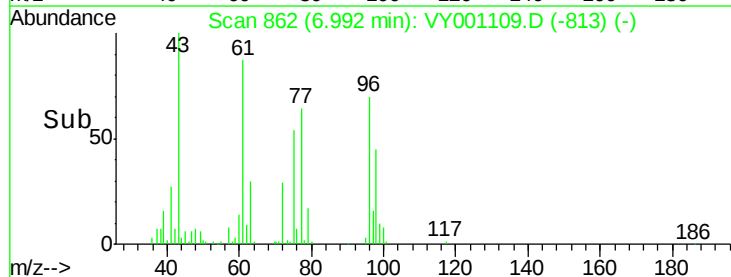
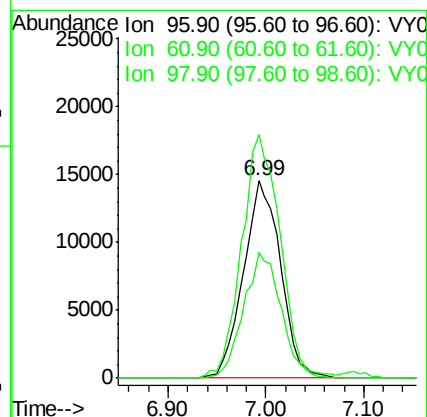
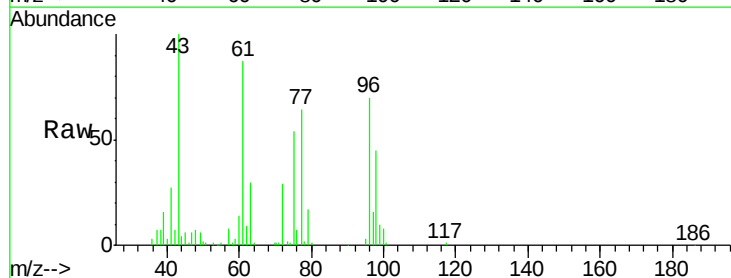
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

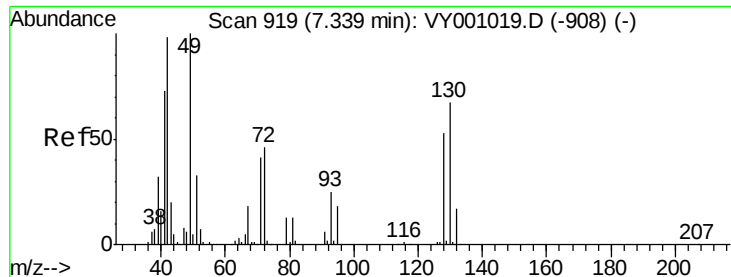
Tgt Ion: 77 Resp: 39510
 Ion Ratio Lower Upper
 77 100
 97 26.6 12.0 36.1



#27
 cis-1,2-Dichloroethene
 Concen: 9.746 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 96 Resp: 38311
 Ion Ratio Lower Upper
 96 100
 61 128.4 0.0 268.2
 98 64.2 0.0 129.2





#28

Bromochloromethane

Concen: 10.434 ug/l

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

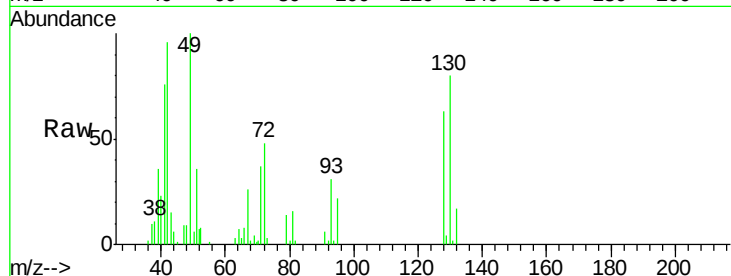
Tgt Ion: 49 Resp: 24390

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 83.3 60.4 90.6

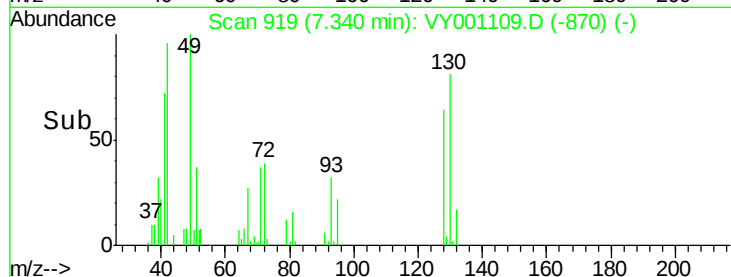


Abundance Ion 48.90 (48.60 to 49.60): VY0

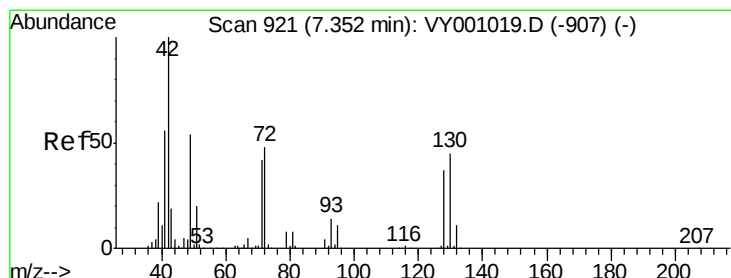
Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 52.485 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

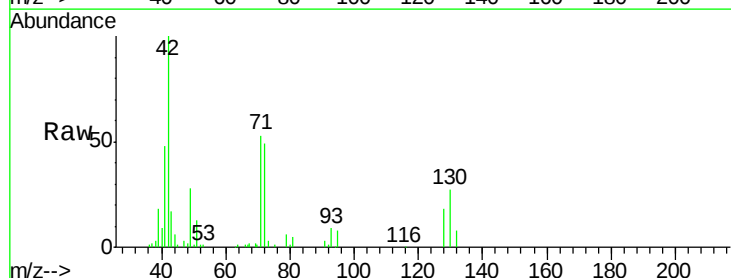
Tgt Ion: 42 Resp: 42827

Ion Ratio Lower Upper

42 100

72 49.2 37.7 56.5

71 44.7 34.6 51.8

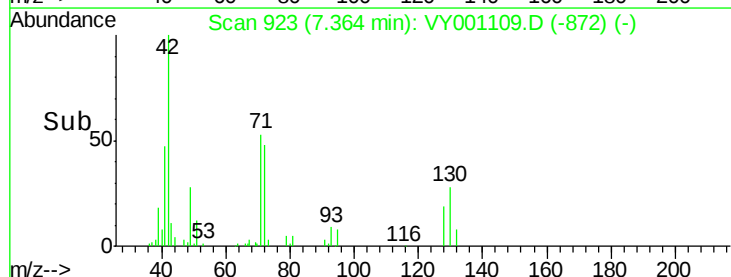


Abundance Ion 42.00 (41.70 to 42.70): VY0

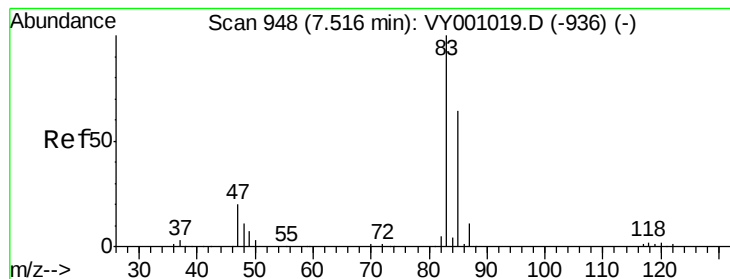
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

Time-->



Time-->



#30

Chloroform

Concen: 9.539 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

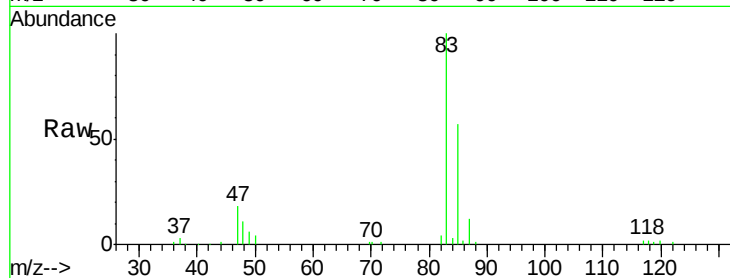
DUNR-BF001-01

Tgt Ion: 83 Resp: 54038

Ion Ratio Lower Upper

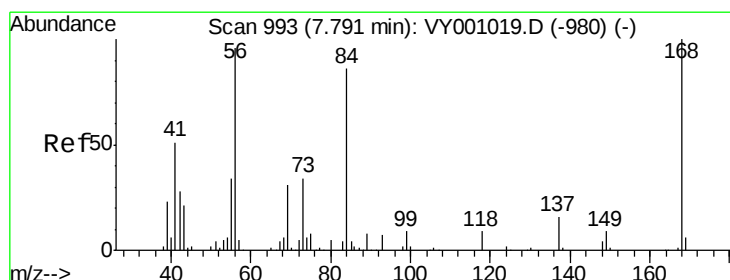
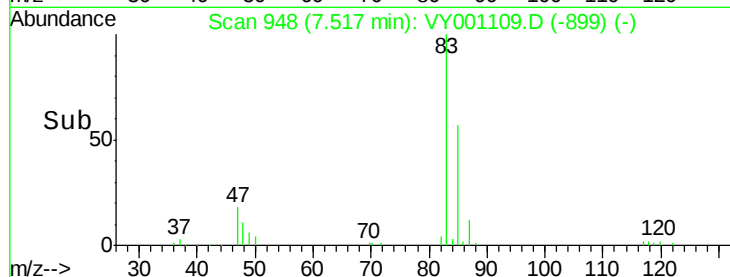
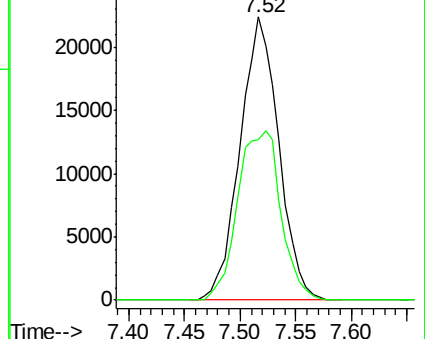
83 100

85 56.7 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0



#31

Cyclohexane

Concen: 8.536 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

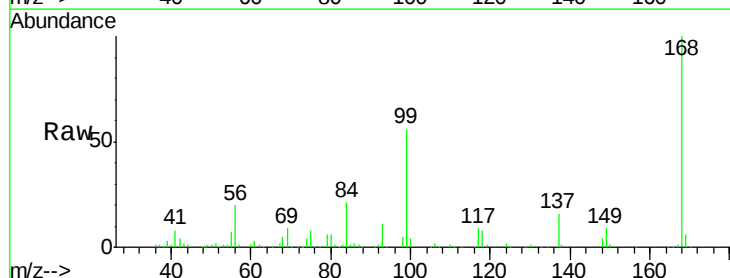
Tgt Ion: 56 Resp: 53777

Ion Ratio Lower Upper

56 100

69 44.7 26.1 39.1#

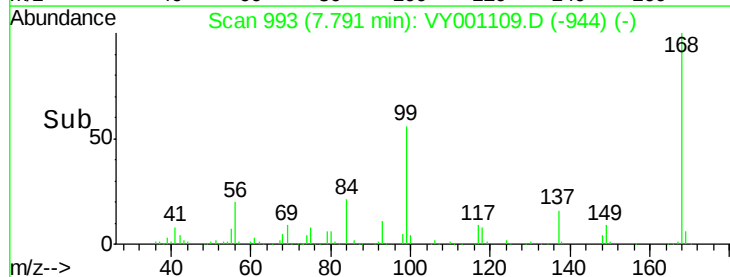
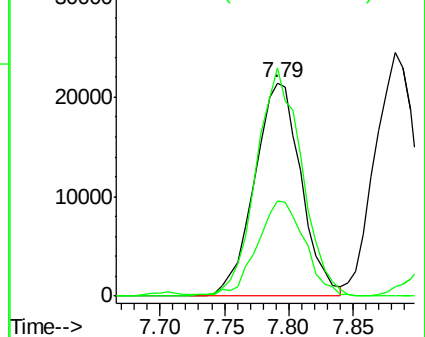
84 106.5 71.8 107.8

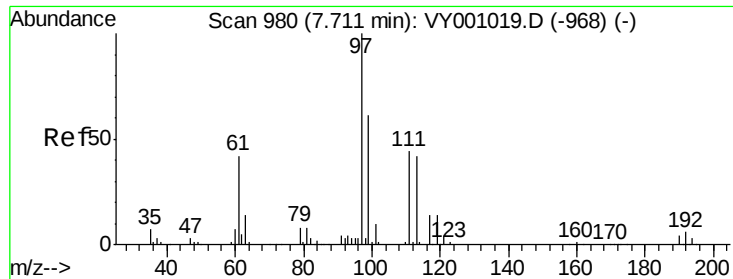


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#32

1,1,1-Trichloroethane

Concen: 8.270 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

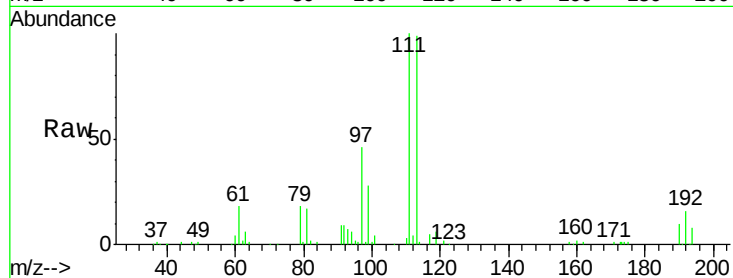
Tgt Ion: 97 Resp: 39965

Ion Ratio Lower Upper

97 100

99 68.0 50.6 76.0

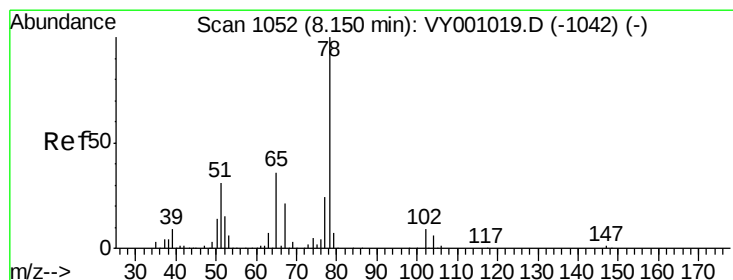
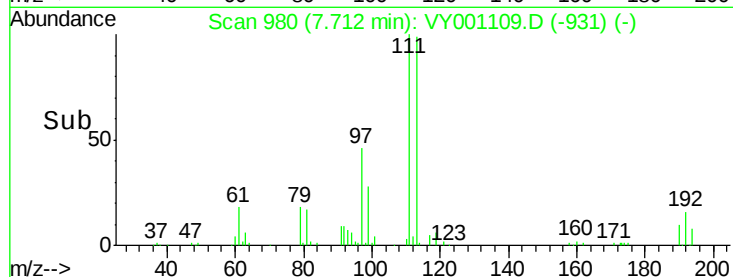
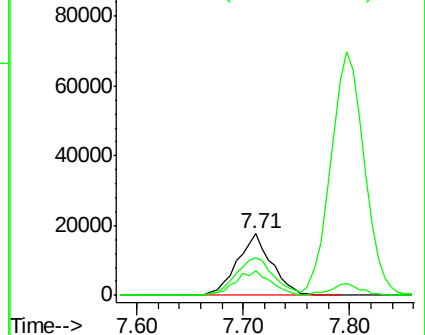
61 41.7 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VY001109.D (-968) (-)

Ion 98.90 (98.60 to 99.60): VY001109.D (-968) (-)

Ion 60.90 (60.60 to 61.60): VY001109.D (-968) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.140 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001109.D

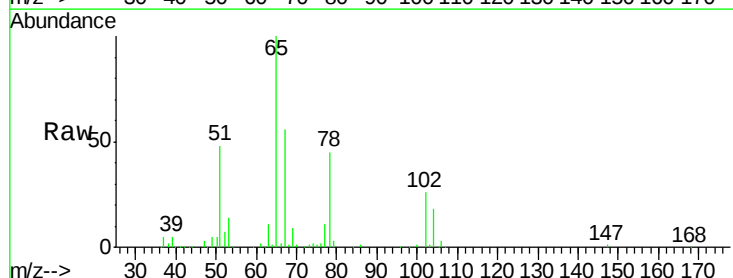
Acq: 27 Dec 2019 19:25

Tgt Ion: 65 Resp: 150624

Ion Ratio Lower Upper

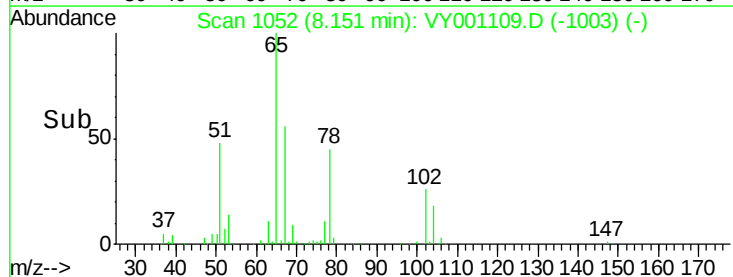
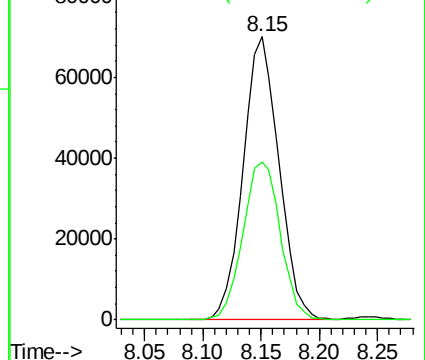
65 100

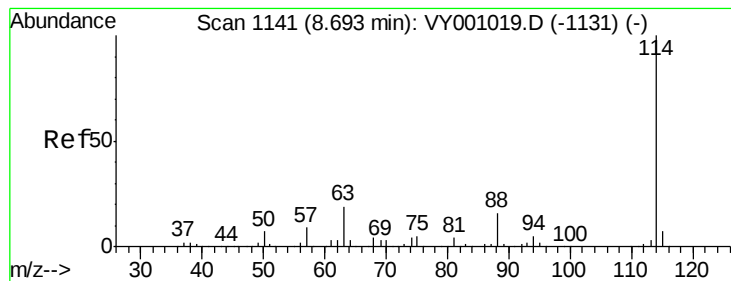
67 58.3 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001109.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY001109.D (-1042) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

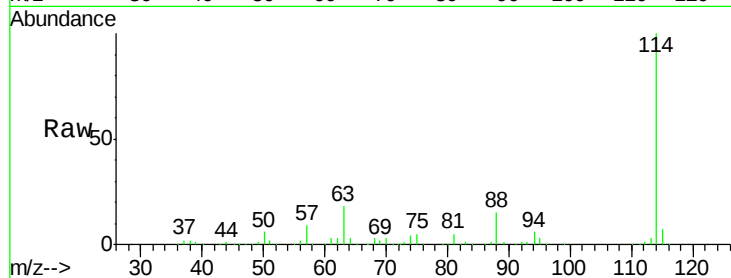
Tgt Ion:114 Resp: 529388

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

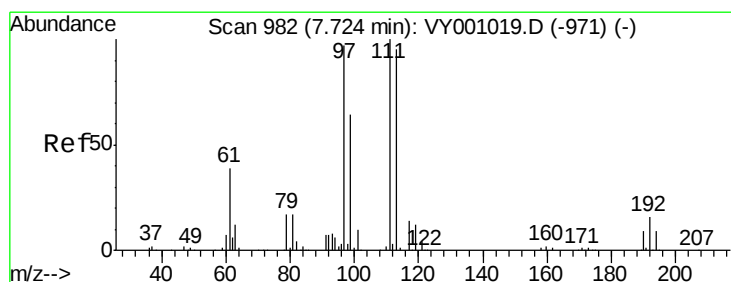
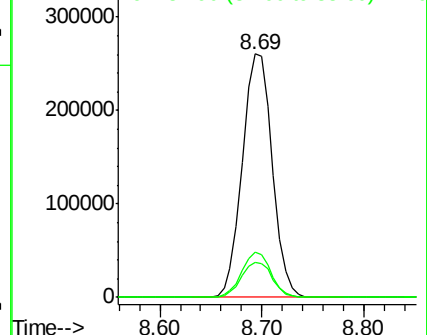
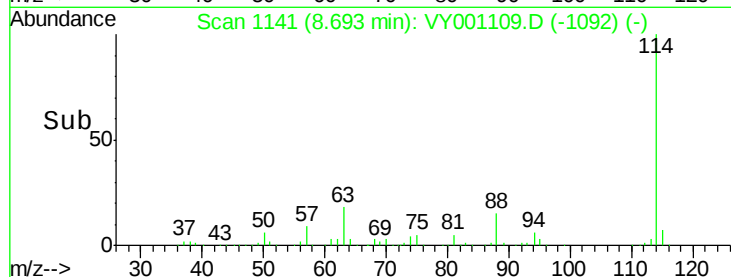
88 14.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 49.383 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

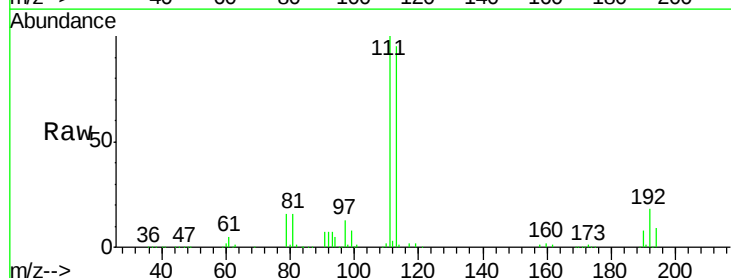
Tgt Ion:113 Resp: 153944

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.4

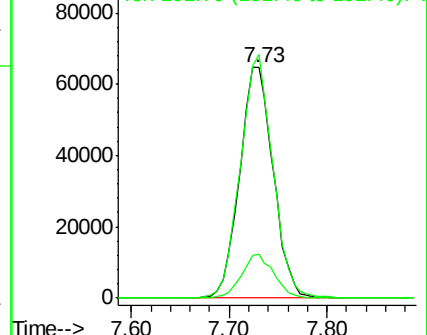
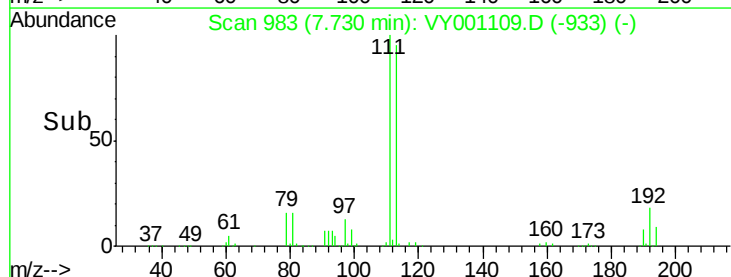
192 18.1 14.6 21.8

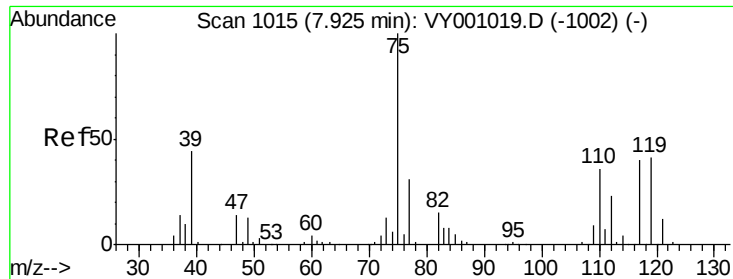


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

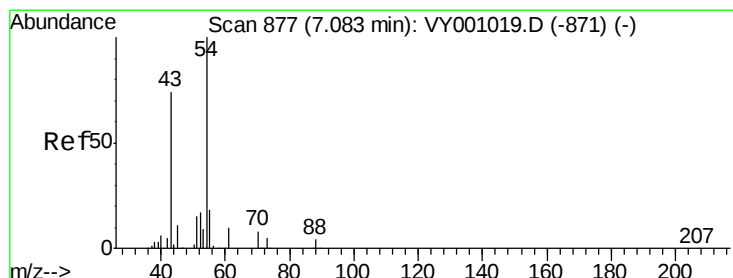
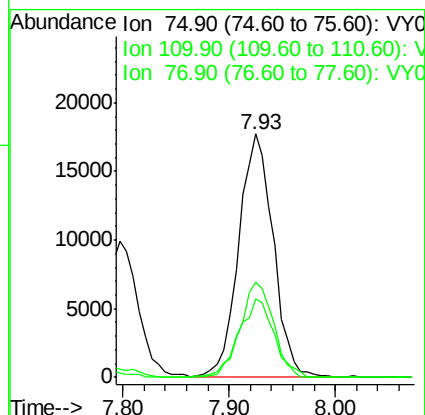
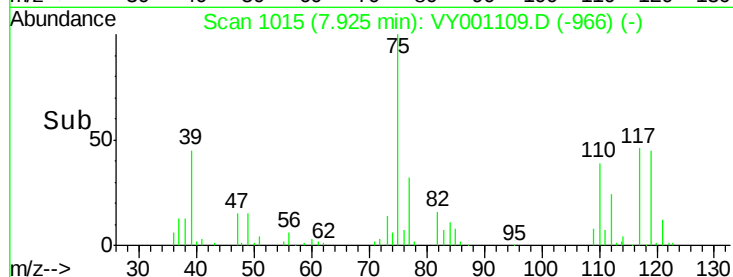
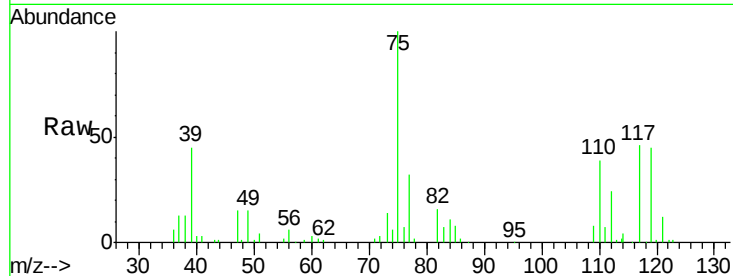




#36
 1,1-Dichloropropene
 Concen: 7.997 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

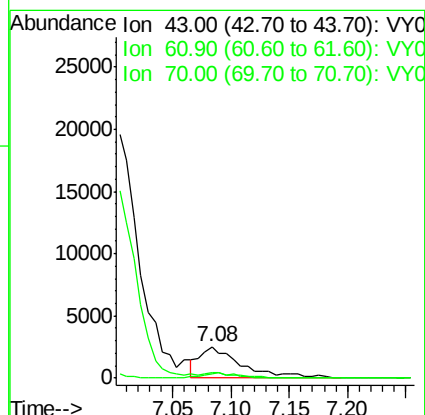
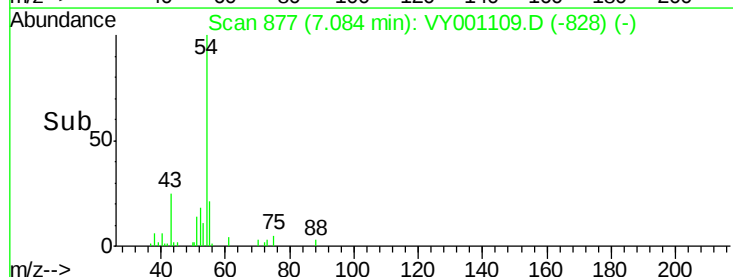
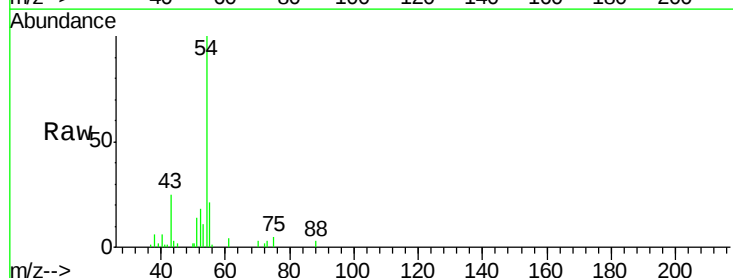
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

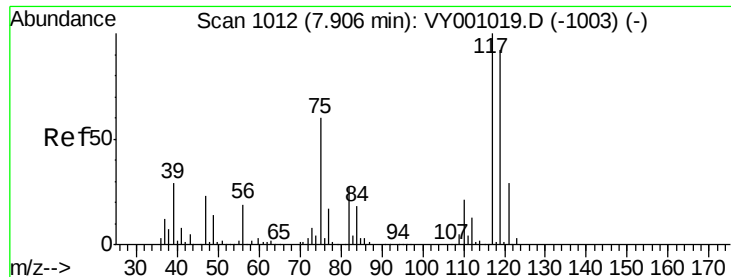
Tgt Ion: 75 Resp: 40385
 Ion Ratio Lower Upper
 75 100
 110 38.4 18.1 54.4
 77 32.1 24.6 37.0



#37
 Ethyl Acetate
 Concen: 2.266 ug/l
 RT: 7.08 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 43 Resp: 6337
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.5 18.7#
 70 13.0 9.0 13.4





#38

Carbon Tetrachloride

Concen: 7.807 ug/l

RT: 7.91 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

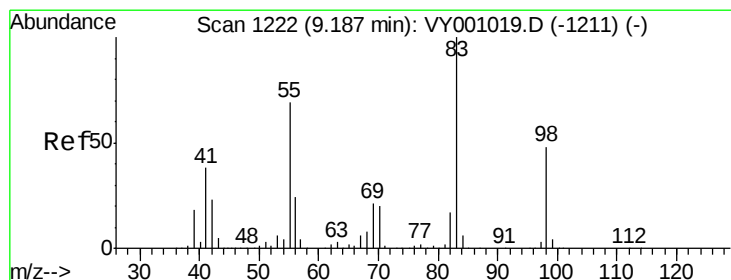
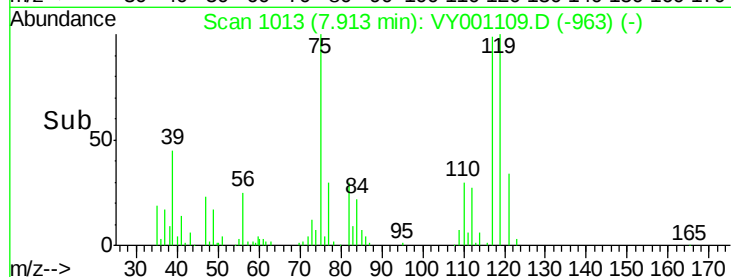
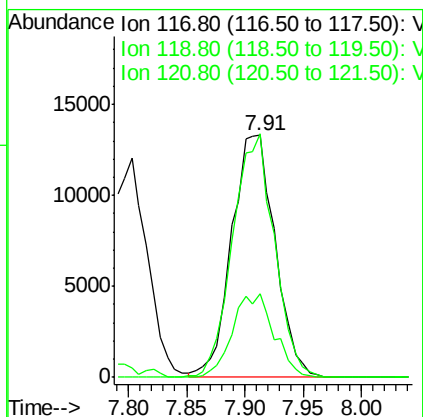
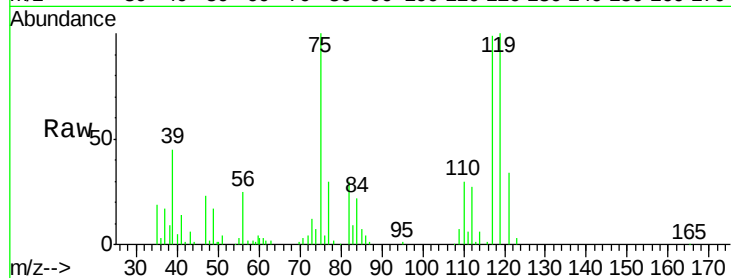
Tgt Ion: 117 Resp: 34544

Ion Ratio Lower Upper

117 100

119 100.7 74.2 111.2

121 34.7 22.9 34.3#



#39

Methylcyclohexane

Concen: 7.863 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

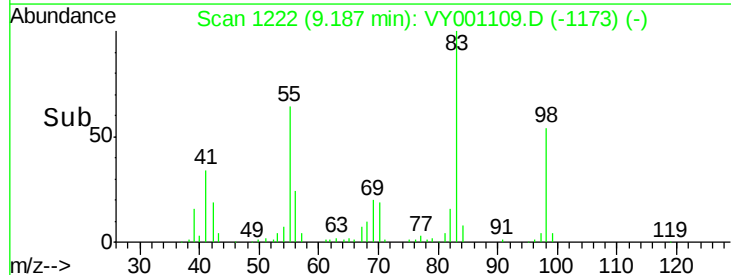
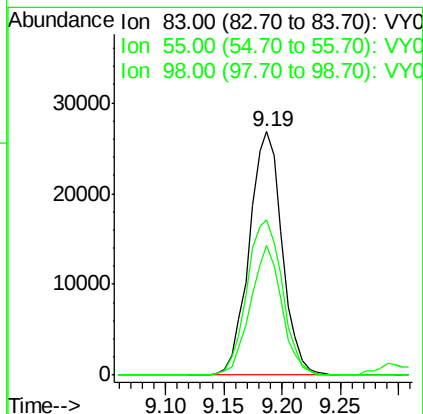
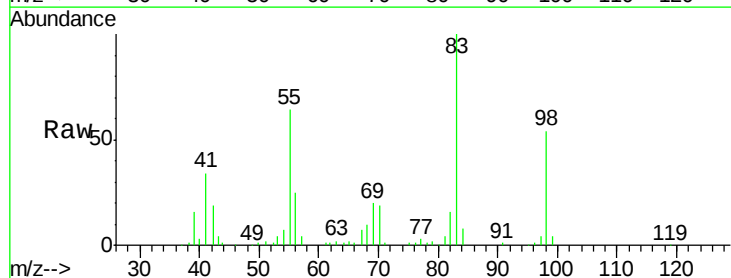
Tgt Ion: 83 Resp: 52737

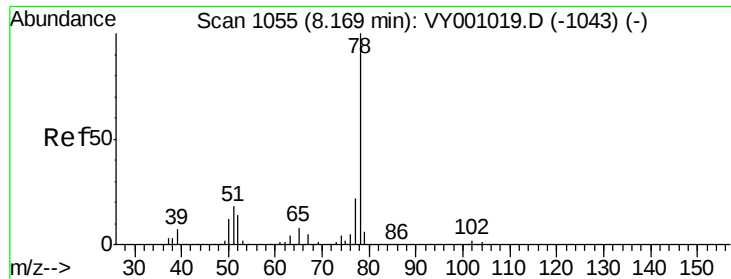
Ion Ratio Lower Upper

83 100

55 63.9 55.1 82.7

98 53.5 38.3 57.5

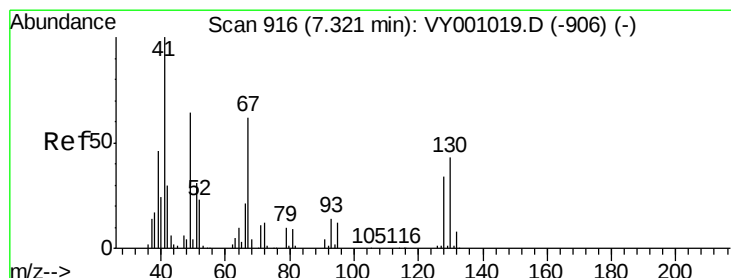
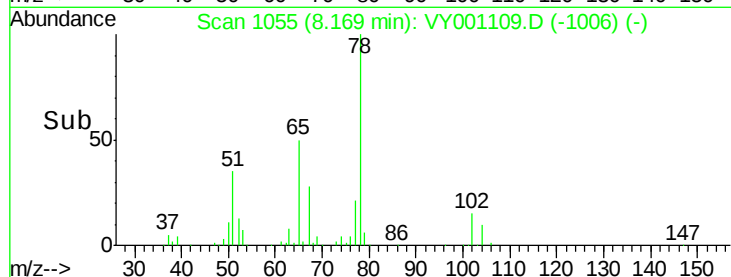
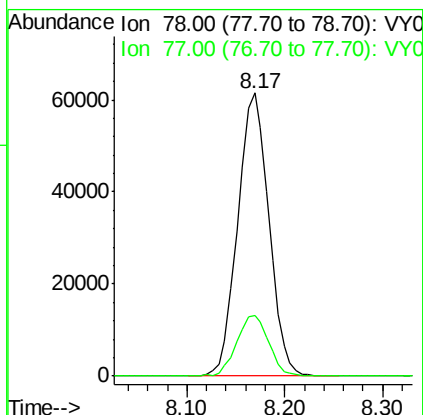
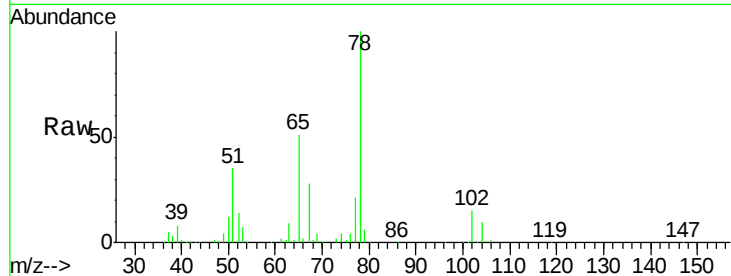




#40
Benzene
Concen: 8.928 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

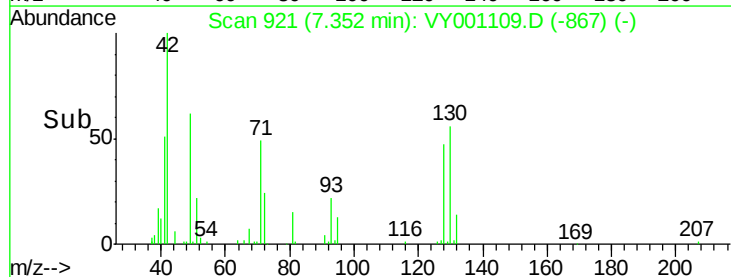
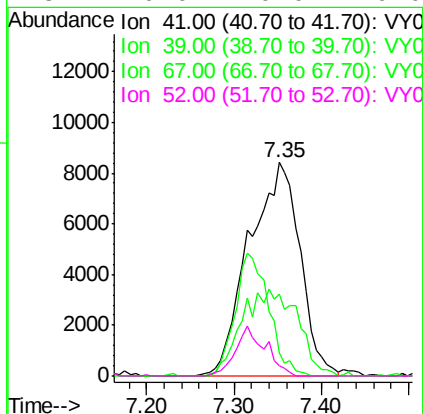
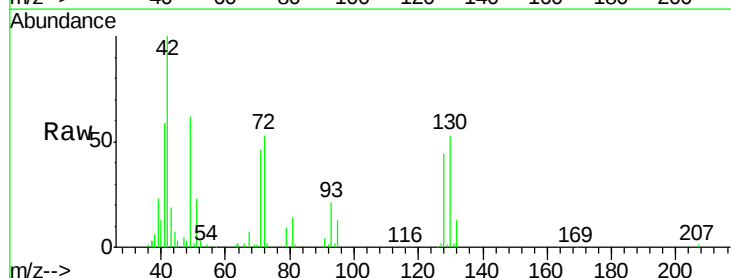
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

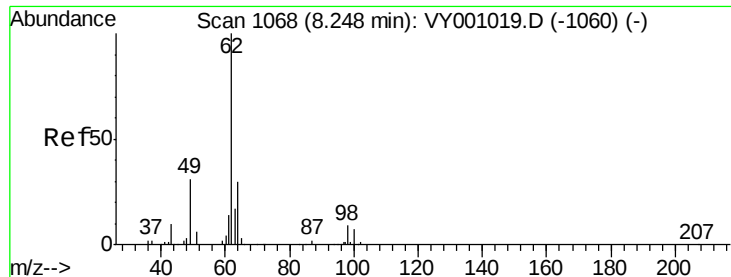
Tgt Ion: 78 Resp: 136027
Ion Ratio Lower Upper
78 100
77 21.3 17.7 26.5



#41
Methacrylonitrile
Concen: 28.002 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 41 Resp: 33950
Ion Ratio Lower Upper
41 100
39 44.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 9.819 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

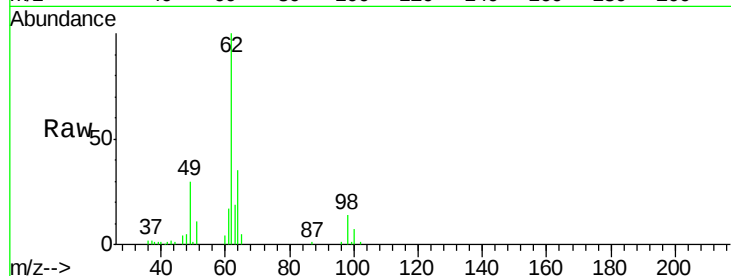
DUNR-BF001-01

Tgt Ion: 62 Resp: 35769

Ion Ratio Lower Upper

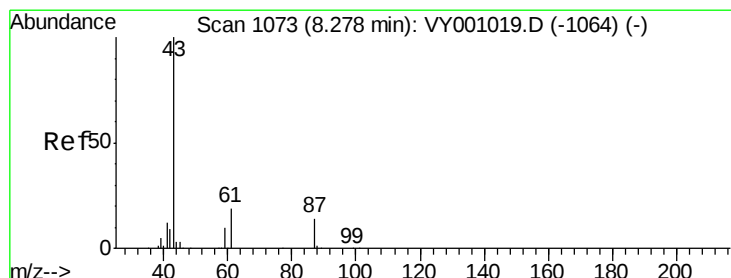
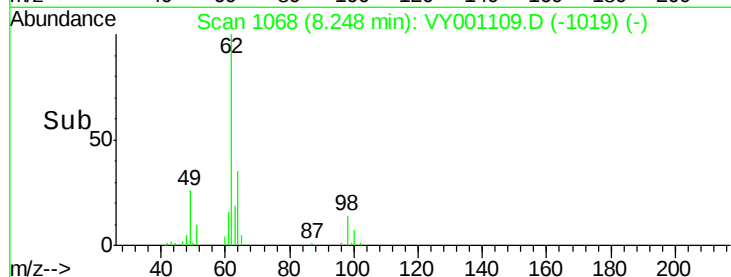
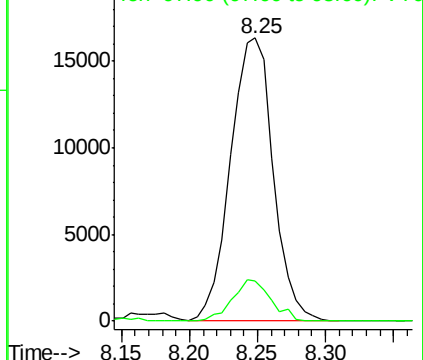
62 100

98 13.2 0.0 23.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#43

Isopropyl Acetate

Concen: 3.663 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

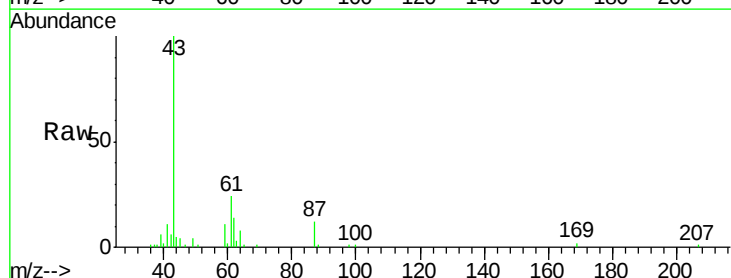
Tgt Ion: 43 Resp: 18962

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

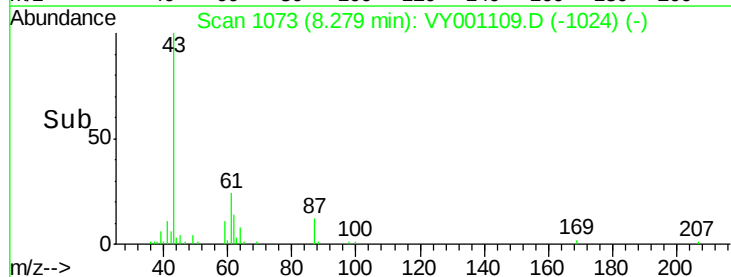
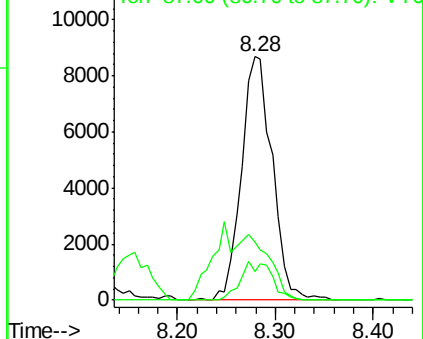
87 15.9 12.0 18.0

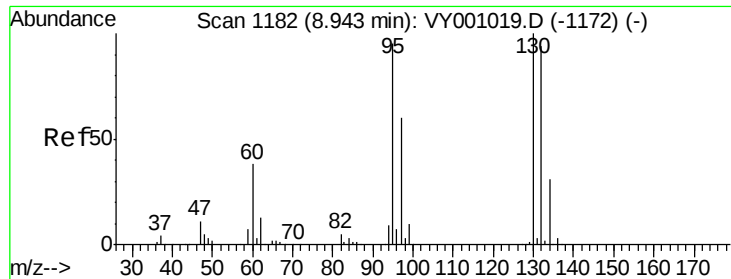


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0





#44

Trichloroethene

Concen: 8.709 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

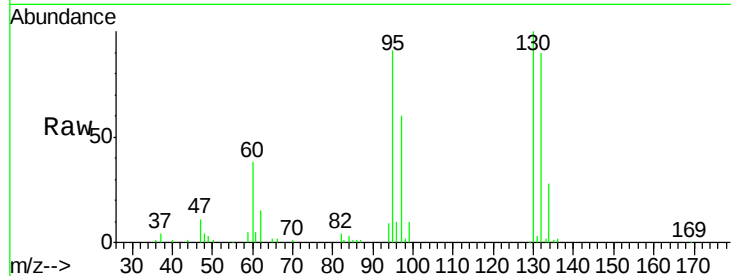
DUNR-BF001-01

Tgt Ion:130 Resp: 34963

Ion Ratio Lower Upper

130 100

95 90.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001109.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001109.D (-1172) (-)

8.94

20000

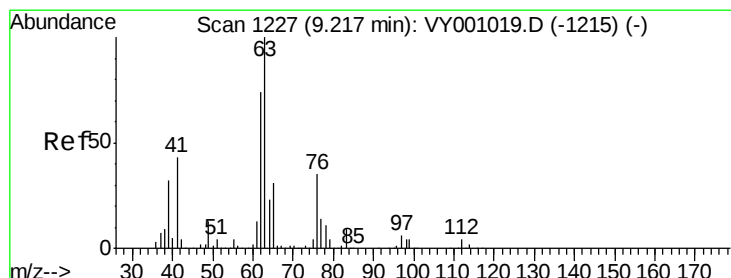
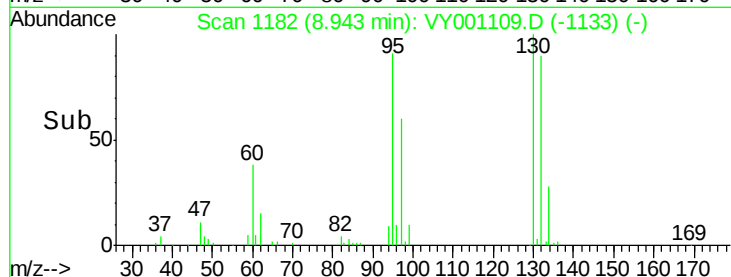
15000

10000

5000

0

Time--> 8.85 8.90 8.95 9.00



#45

1,2-Dichloropropane

Concen: 9.487 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001109.D

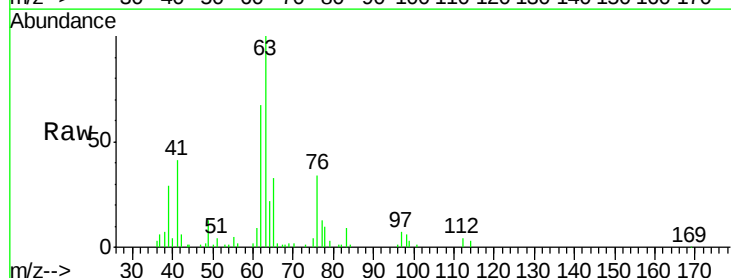
Acq: 27 Dec 2019 19:25

Tgt Ion: 63 Resp: 36263

Ion Ratio Lower Upper

63 100

65 32.6 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY001109.D (-1215) (-)

Ion 64.90 (64.60 to 65.60): VY001109.D (-1215) (-)

9.22

20000

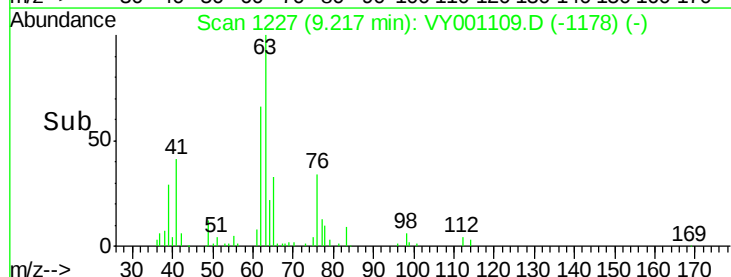
15000

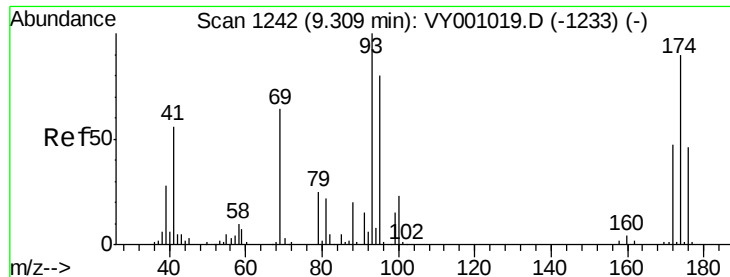
10000

5000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#46

Dibromomethane

Concen: 10.001 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

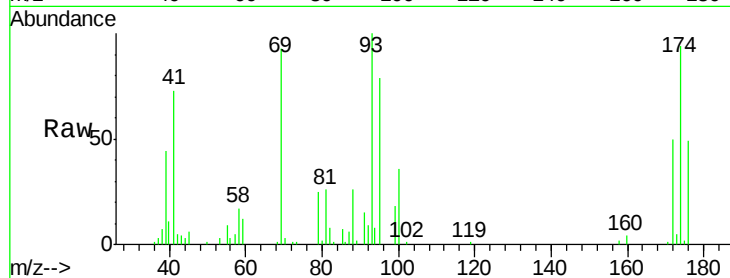
Tgt Ion: 93 Resp: 19706

Ion Ratio Lower Upper

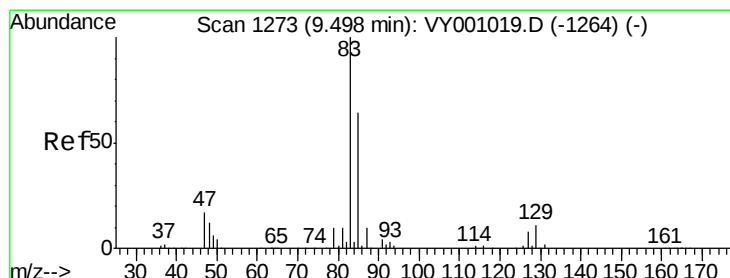
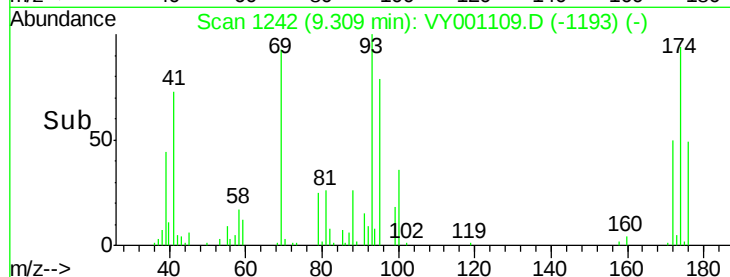
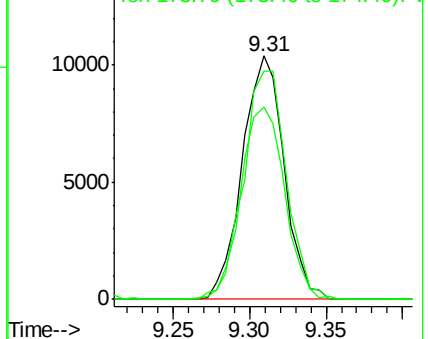
93 100

95 83.3 66.7 100.1

174 96.1 73.6 110.4



Abundance Ion 92.80 (92.50 to 93.50): VY0
Ion 94.80 (94.50 to 95.50): VY0
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 8.931 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

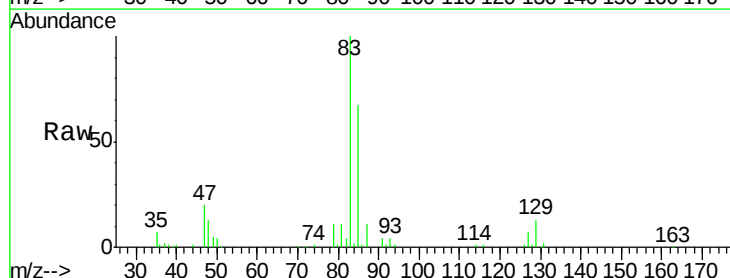
Tgt Ion: 83 Resp: 40762

Ion Ratio Lower Upper

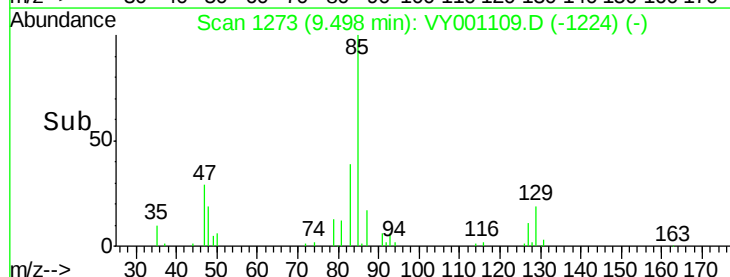
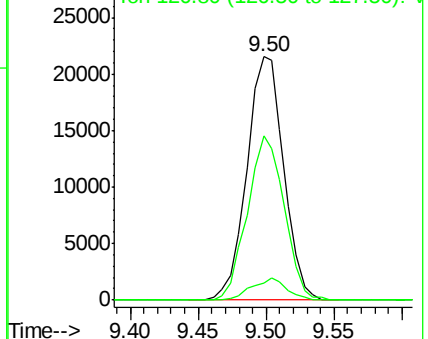
83 100

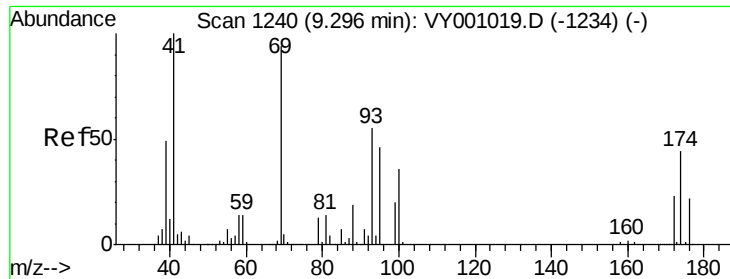
85 67.3 50.9 76.3

127 7.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

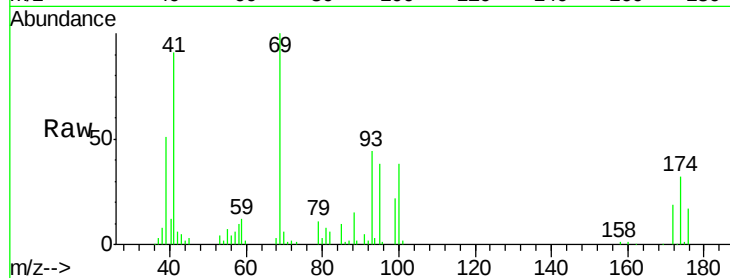




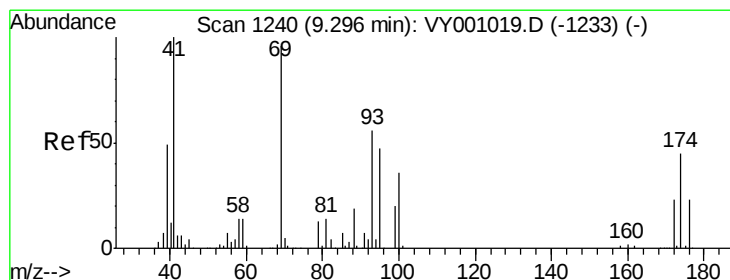
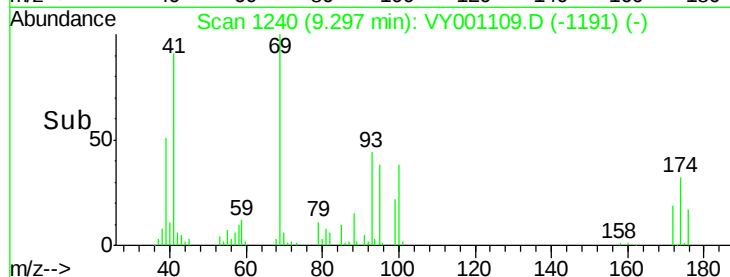
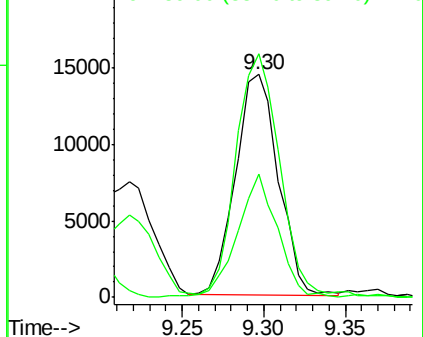
#48
Methyl methacrylate
Concen: 12.064 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion: 41 Resp: 26651
Ion Ratio Lower Upper
41 100
69 113.2 79.8 119.6
39 50.4 41.7 62.5

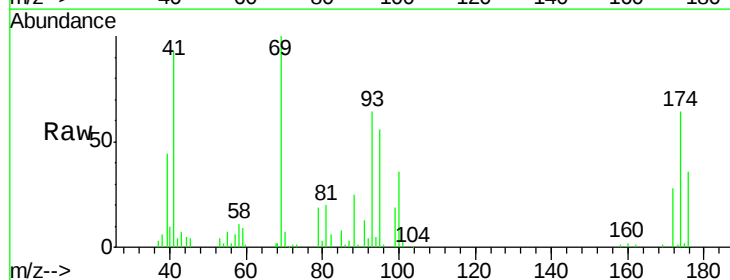


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

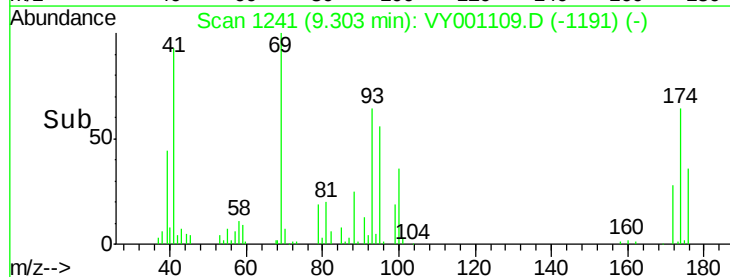
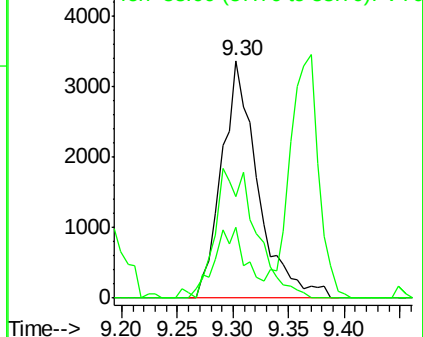


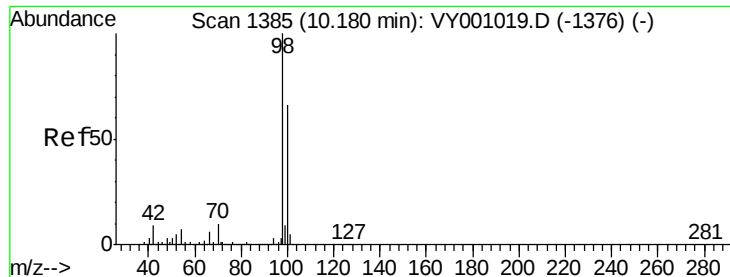
#49
1,4-Dioxane
Concen: 263.336 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 88 Resp: 7590
Ion Ratio Lower Upper
88 100
43 27.2 23.0 34.4
58 61.4 54.9 82.3



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.095 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

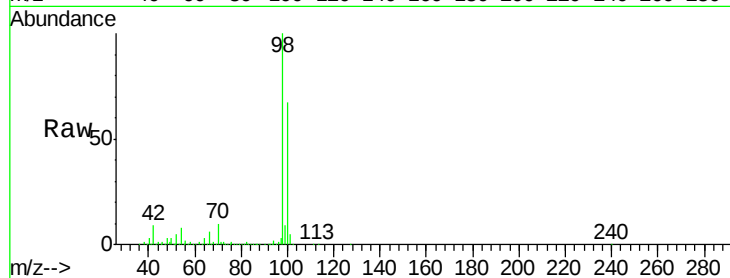
DUNR-BF001-01

Tgt Ion: 98 Resp: 622462

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

400000

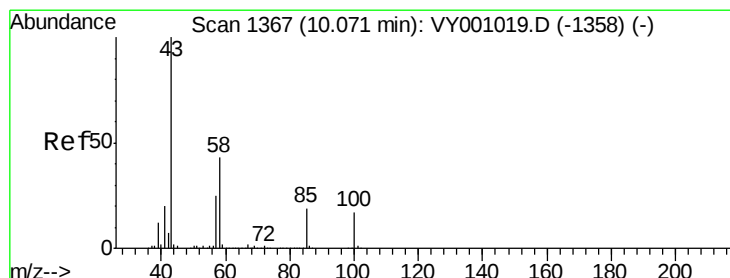
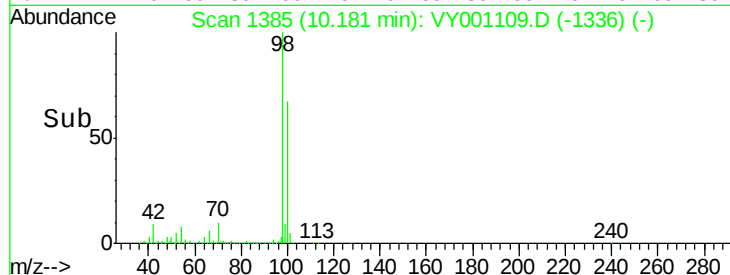
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 47.130 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001109.D

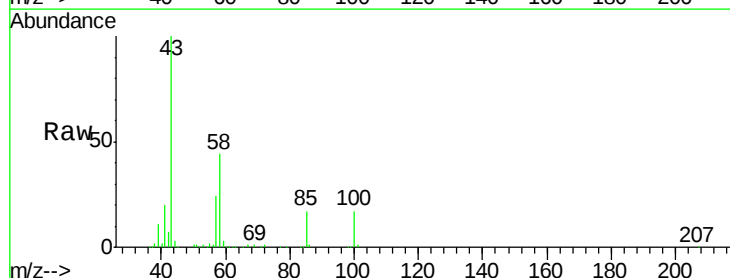
Acq: 27 Dec 2019 19:25

Tgt Ion: 43 Resp: 127164

Ion Ratio Lower Upper

43 100

58 44.5 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

80000

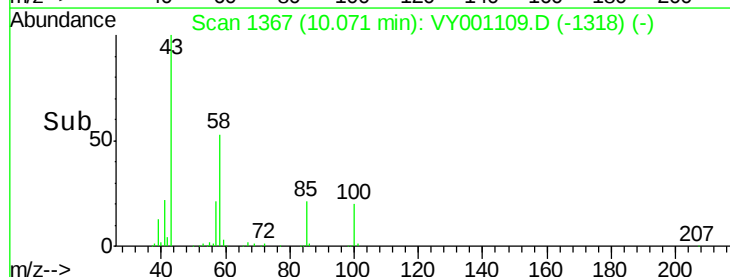
60000

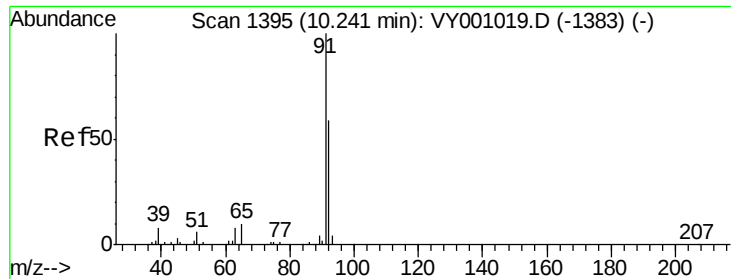
40000

20000

0

Time-->





#52

Toluene

Concen: 8.820 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

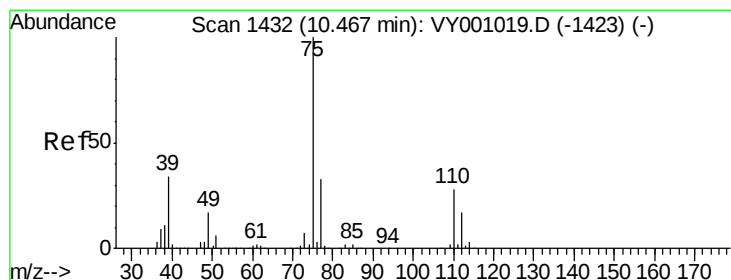
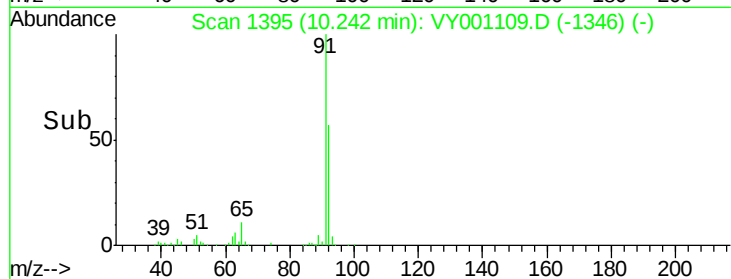
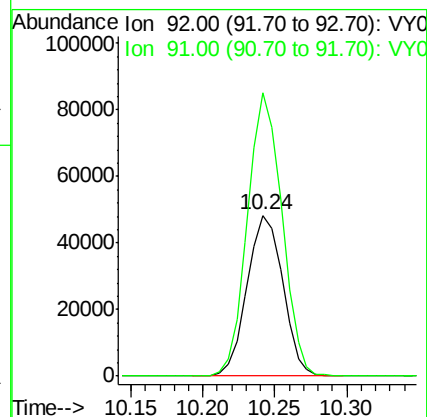
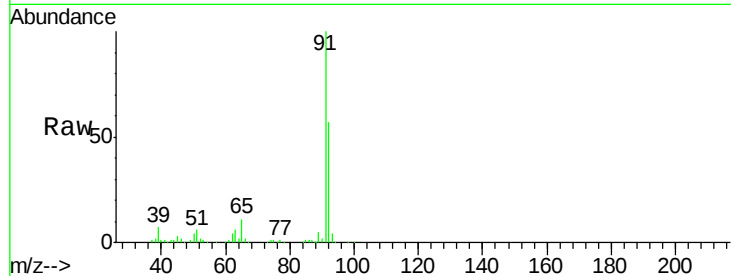
DUNR-BF001-01

Tgt Ion: 92 Resp: 82708

Ion Ratio Lower Upper

92 100

91 170.5 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 8.575 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001109.D

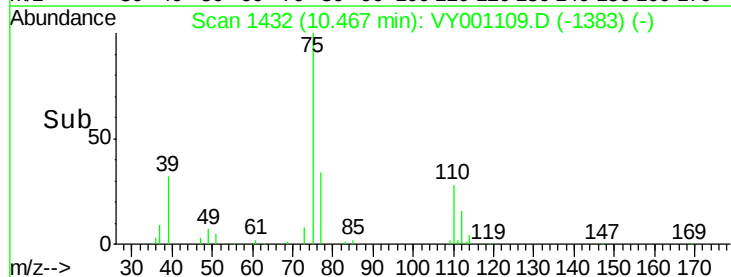
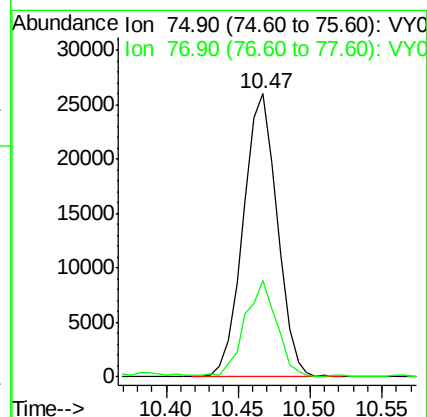
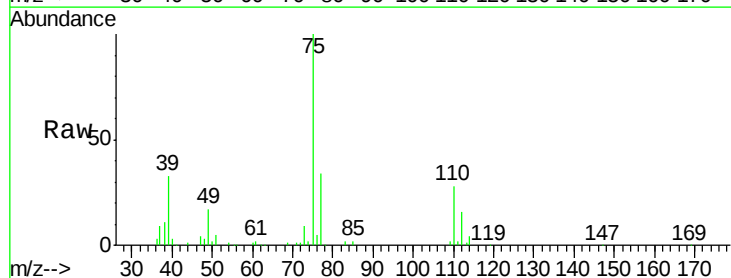
Acq: 27 Dec 2019 19:25

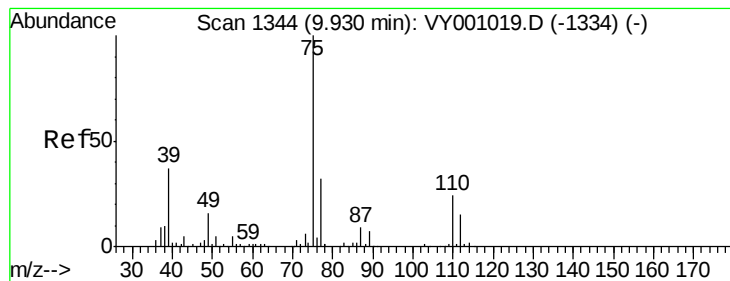
Tgt Ion: 75 Resp: 42472

Ion Ratio Lower Upper

75 100

77 33.7 26.5 39.7



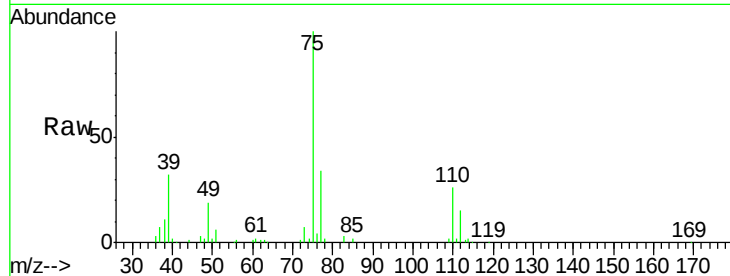


#54

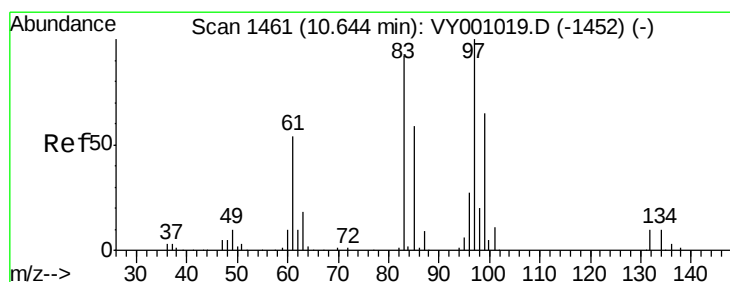
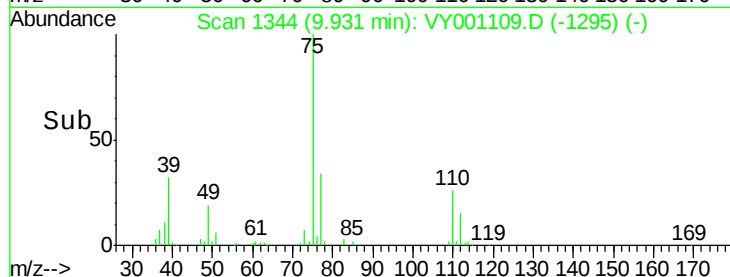
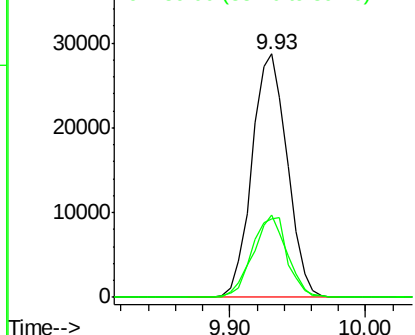
cis-1,3-Dichloropropene
Concen: 8.750 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion: 75 Resp: 52115
Ion Ratio Lower Upper
75 100
77 34.0 25.2 37.8
39 32.0 29.5 44.3



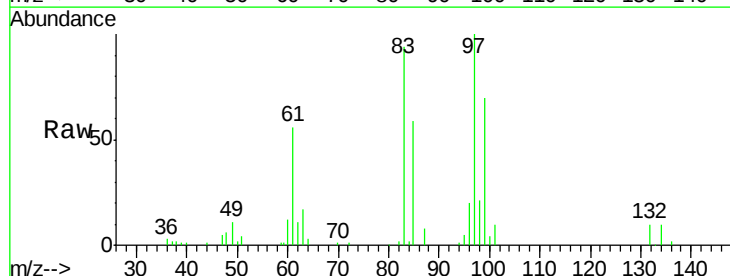
Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 76.90 (76.60 to 77.60): VY0
Ion 39.00 (38.70 to 39.70): VY0



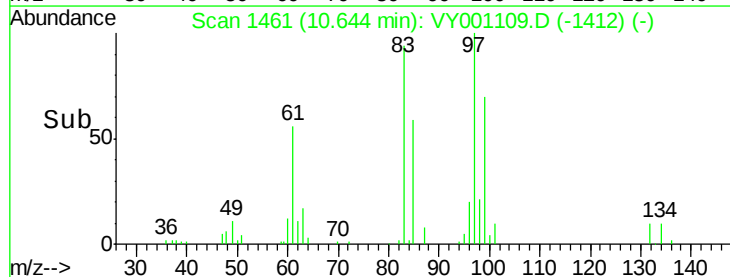
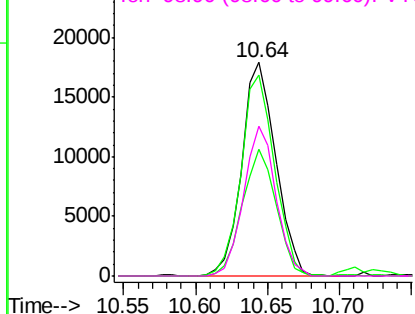
#55

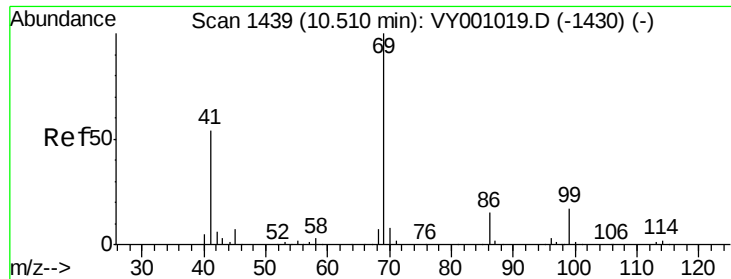
1,1,2-Trichloroethane
Concen: 9.967 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 97 Resp: 29318
Ion Ratio Lower Upper
97 100
83 94.0 73.7 110.5
85 59.1 47.3 70.9
99 70.2 51.9 77.9



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 98.90 (98.60 to 99.60): VY0





#56

Ethyl methacrylate

Concen: 2.014 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

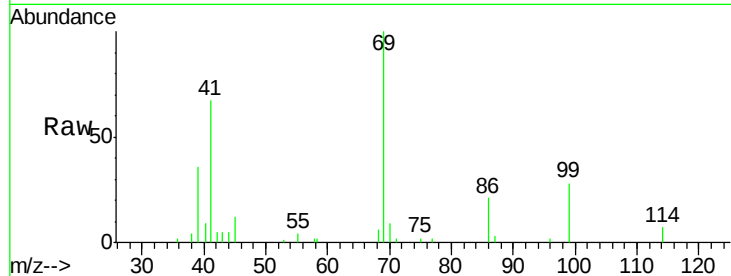
Tgt Ion: 69 Resp: 8431

Ion Ratio Lower Upper

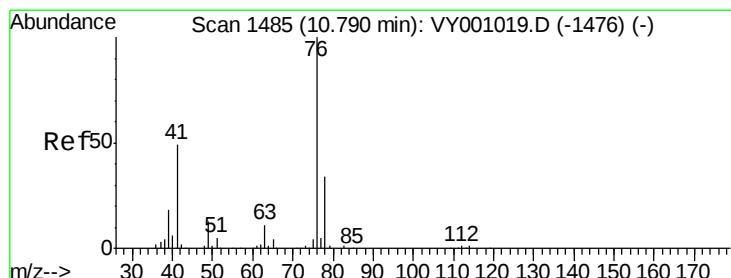
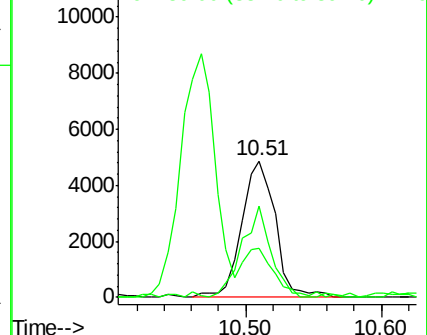
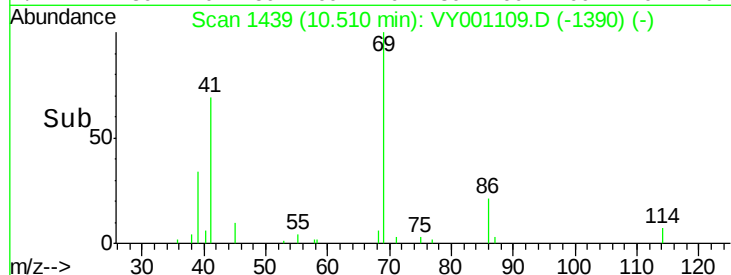
69 100

41 59.2 44.7 67.1

39 32.3 22.2 33.4



Abundance Ion 69.00 (68.70 to 69.70): VY001109.D (-1390) (-)



#57

1,3-Dichloropropane

Concen: 10.127 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001109.D

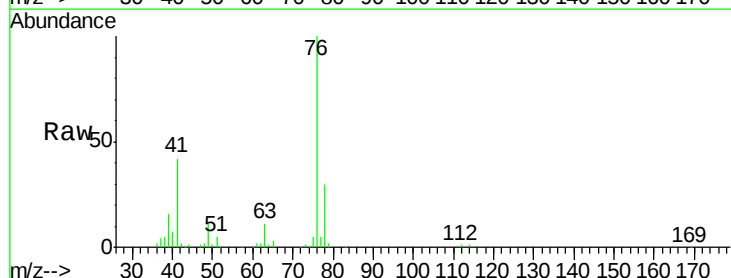
Acq: 27 Dec 2019 19:25

Tgt Ion: 76 Resp: 52214

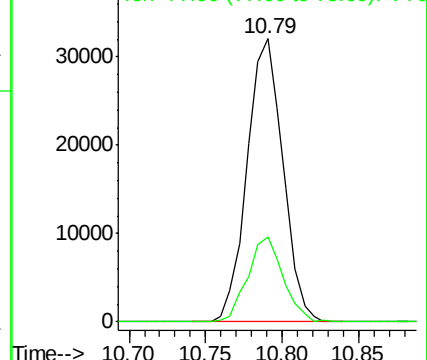
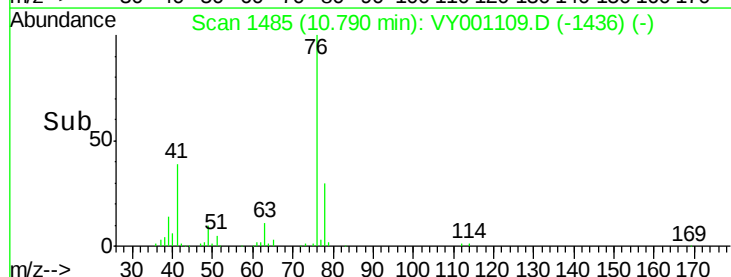
Ion Ratio Lower Upper

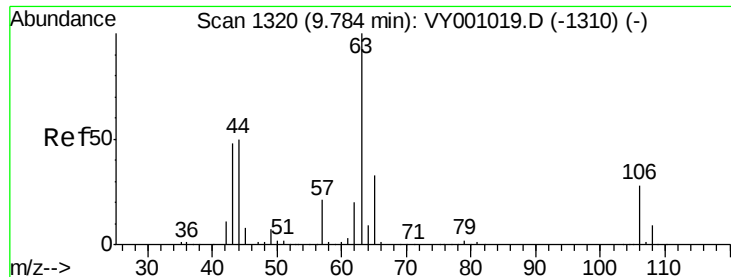
76 100

78 29.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VY001109.D (-1436) (-)

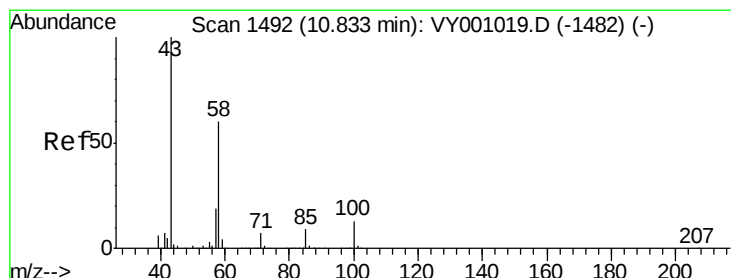
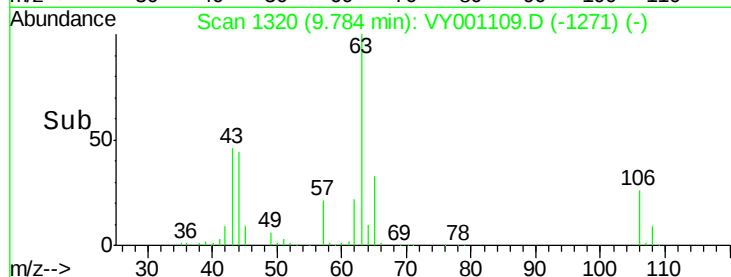
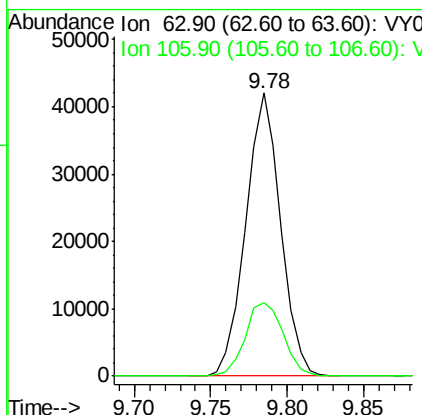
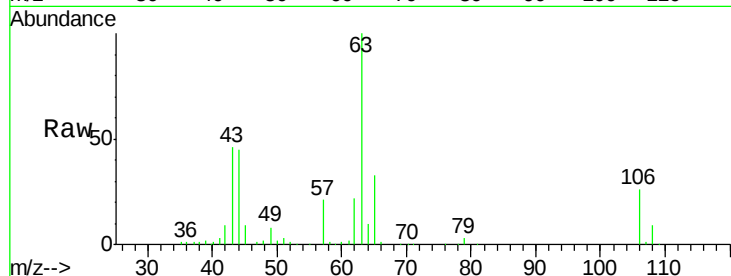




#58
 2-Chloroethyl Vinyl ether
 Concen: 41.027 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

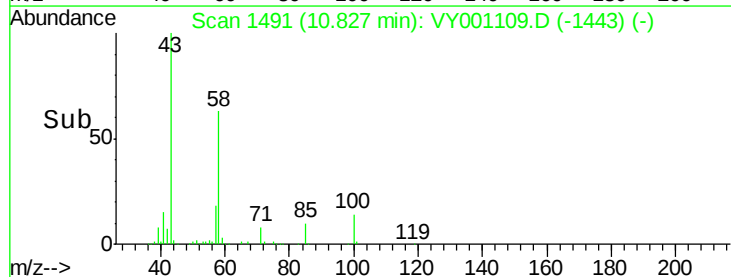
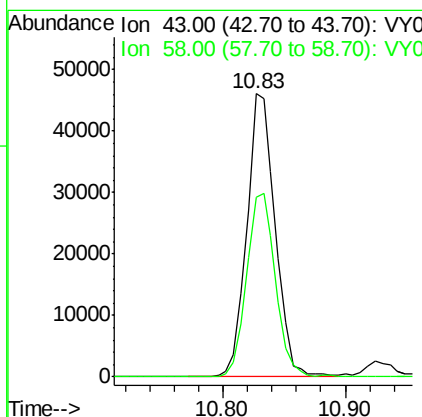
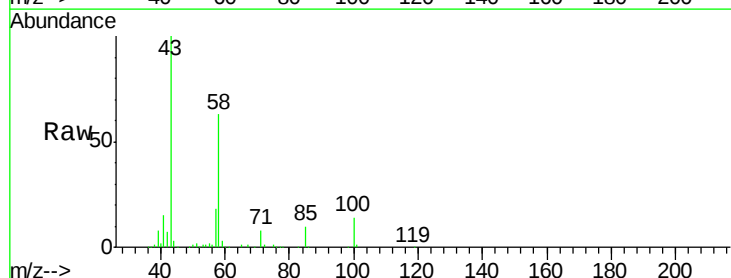
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

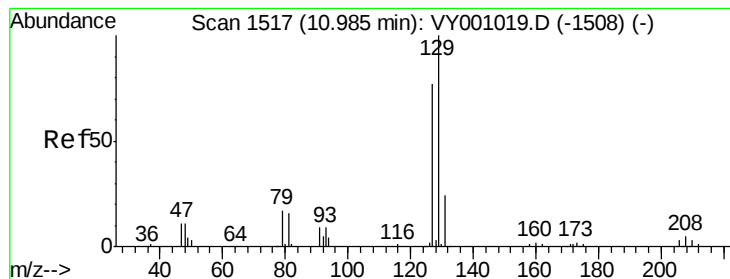
Tgt Ion: 63 Resp: 66338
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.7 34.1



#59
 2-Hexanone
 Concen: 39.987 ug/l
 RT: 10.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 43 Resp: 74654
 Ion Ratio Lower Upper
 43 100
 58 65.7 30.6 91.6





#60

Dibromochloromethane

Concen: 9.467 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

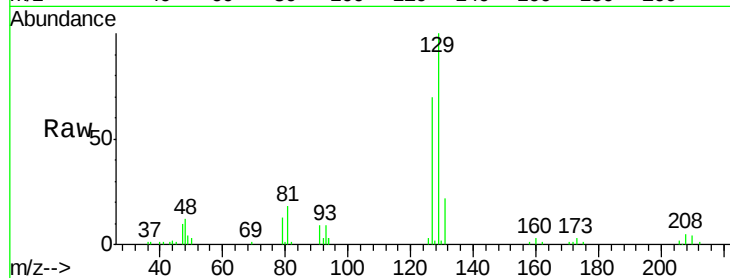
DUNR-BF001-01

Tgt Ion:129 Resp: 29745

Ion Ratio Lower Upper

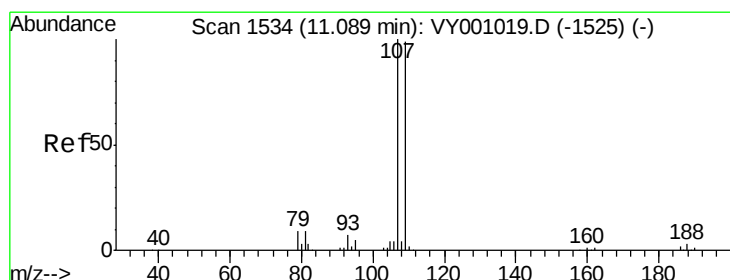
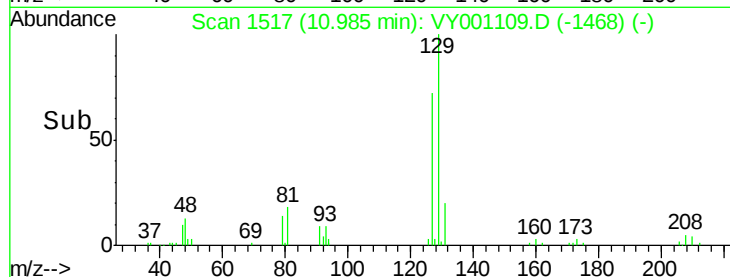
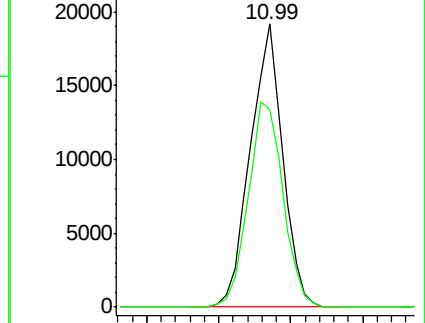
129 100

127 77.7 39.1 117.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 10.245 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY001109.D

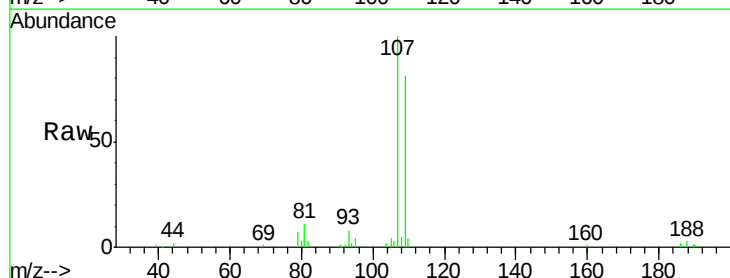
Acq: 27 Dec 2019 19:25

Tgt Ion:107 Resp: 28816

Ion Ratio Lower Upper

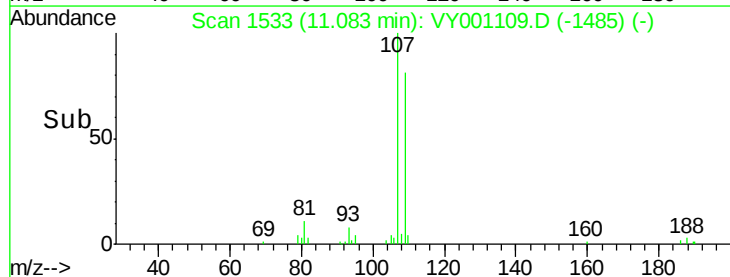
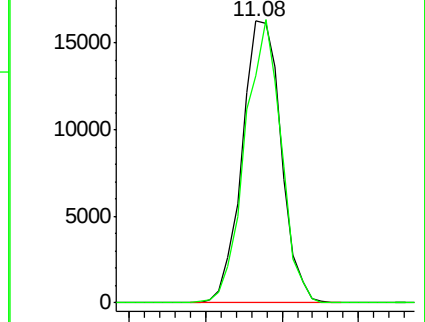
107 100

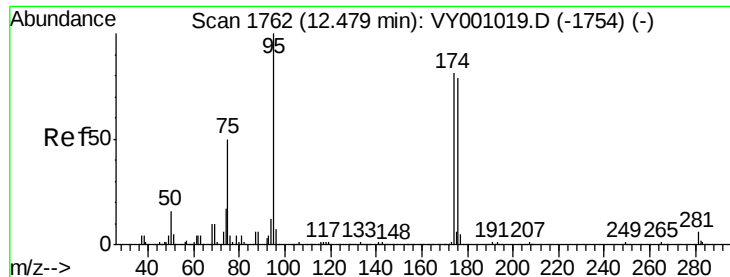
109 93.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

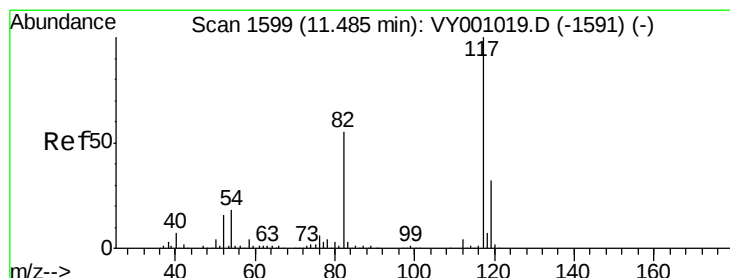
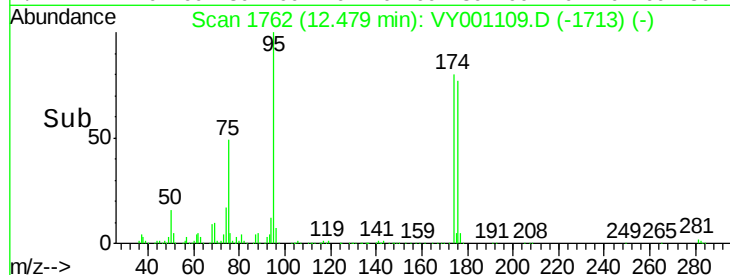
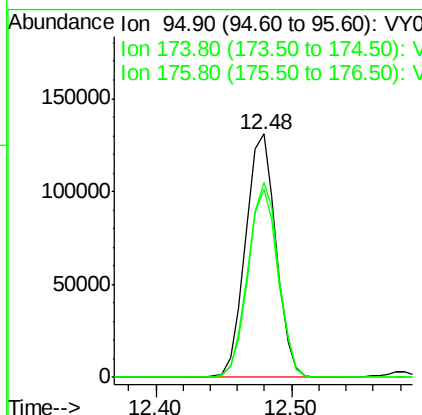
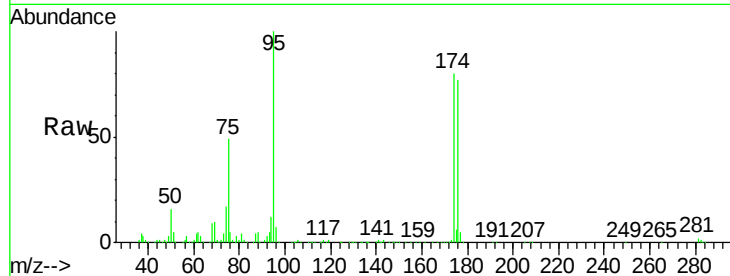




#62
4-Bromofluorobenzene
Concen: 46.175 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

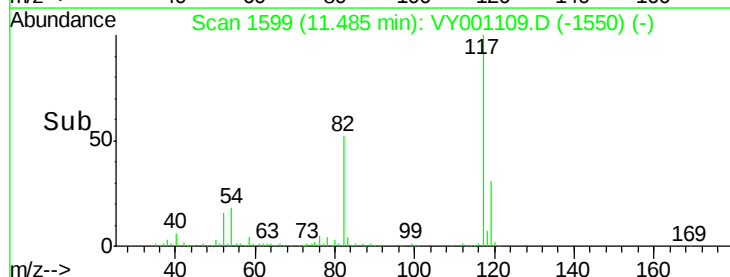
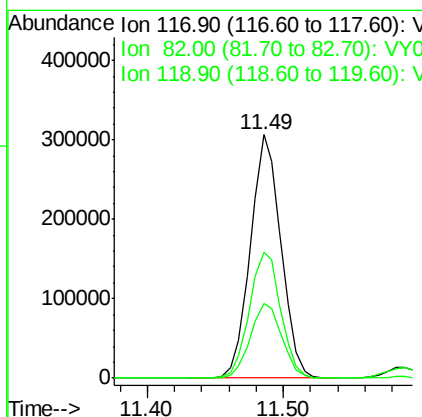
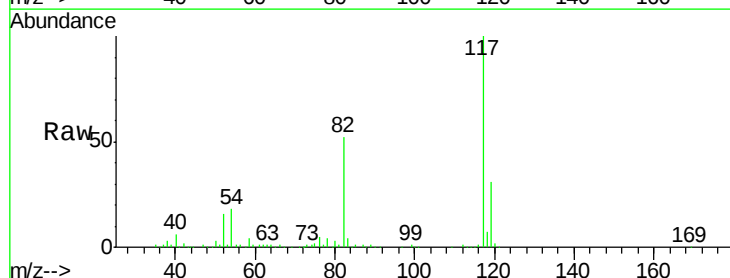
Instrument :
MSVOA_Y
ClientSampled :
DUNR-BF001-01

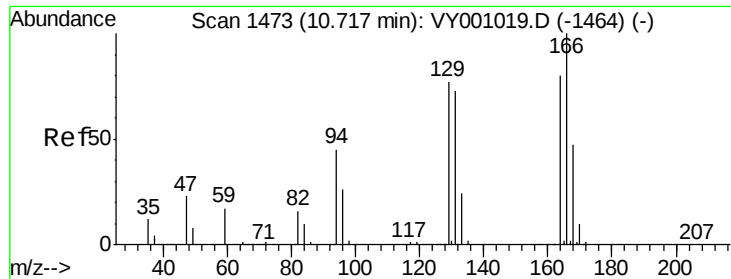
Tgt Ion: 95 Resp: 205671
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.4
176 76.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 117 Resp: 482448
Ion Ratio Lower Upper
117 100
82 51.6 43.8 65.8
119 30.7 25.8 38.6





#64

Tetrachloroethene

Concen: 8.247 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

Tgt Ion:164 Resp: 34426

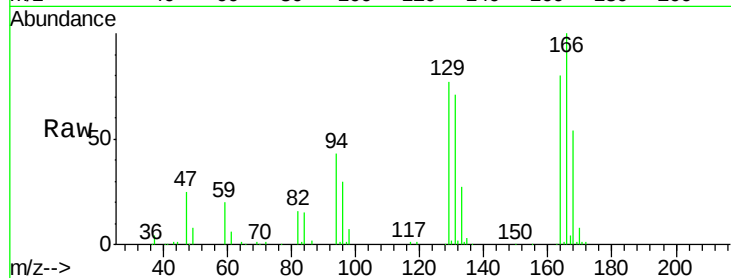
Ion Ratio Lower Upper

164 100

166 124.5 99.7 149.5

129 95.7 76.9 115.3

131 88.3 72.3 108.5



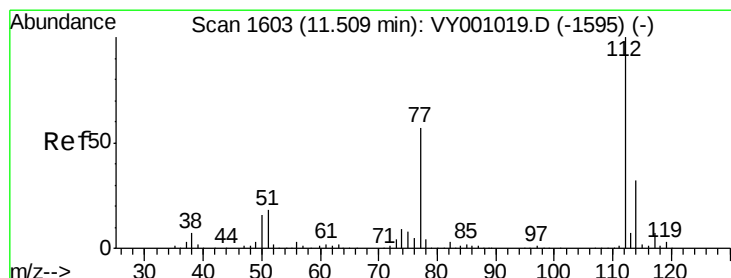
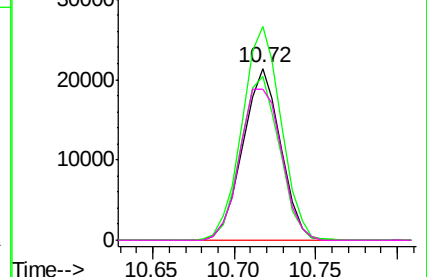
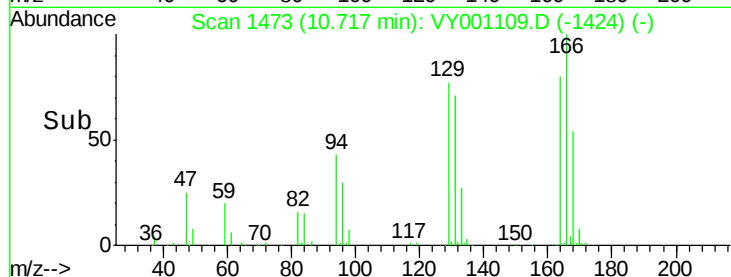
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 8.634 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY001109.D

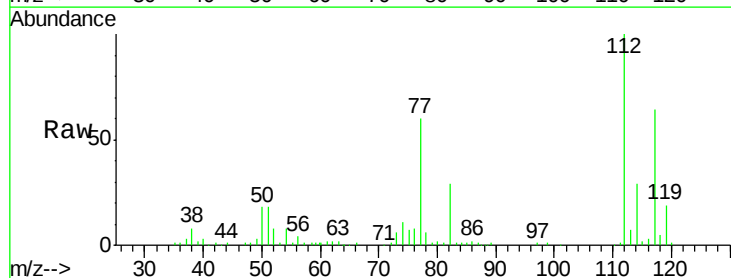
Acq: 27 Dec 2019 19:25

Tgt Ion:112 Resp: 86403

Ion Ratio Lower Upper

112 100

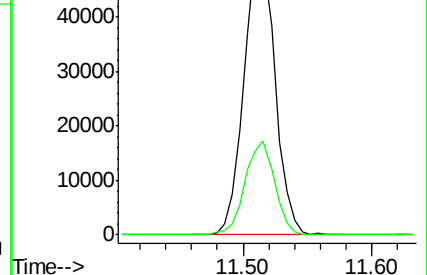
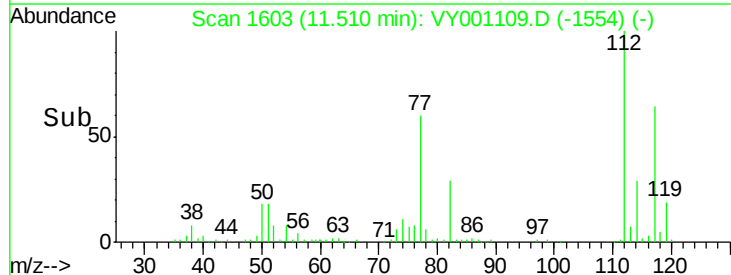
114 29.4 25.4 38.2

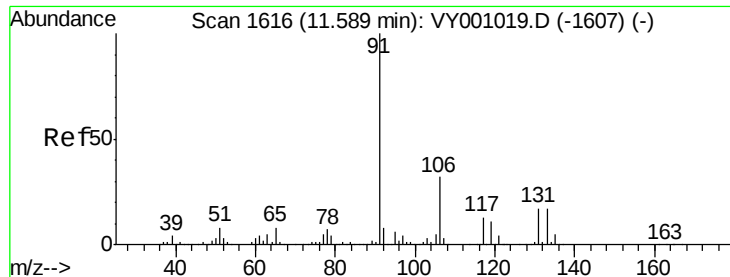


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->

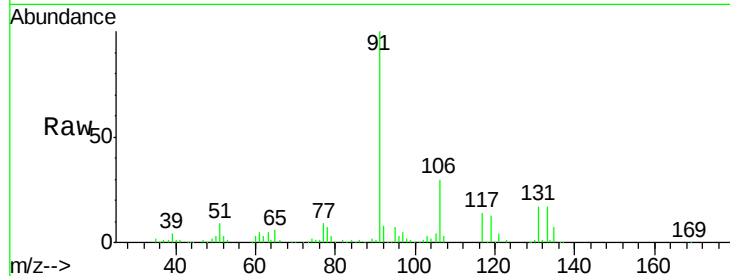




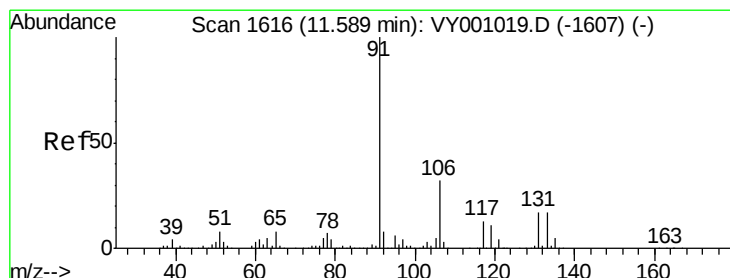
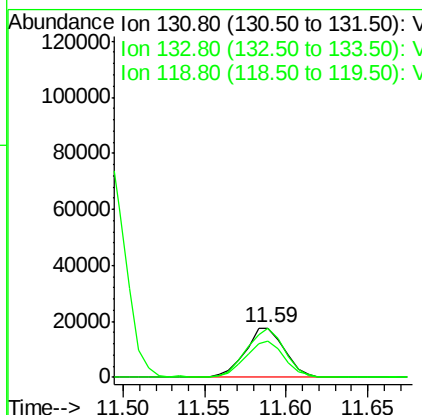
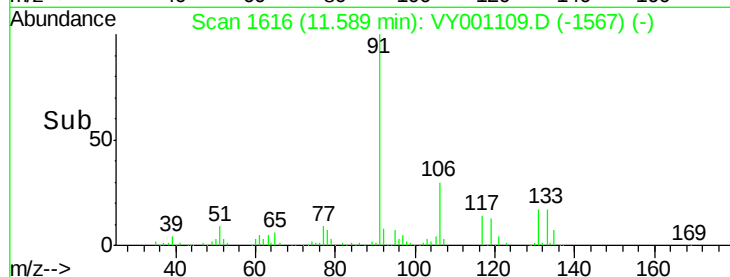
#66
 1,1,1,2-Tetrachloroethane
 Concen: 8.902 ug/l
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

Tgt Ion:131 Resp: 29398
 Ion Ratio Lower Upper
 131 100
 133 97.1 48.1 144.4
 119 74.1 34.0 101.8

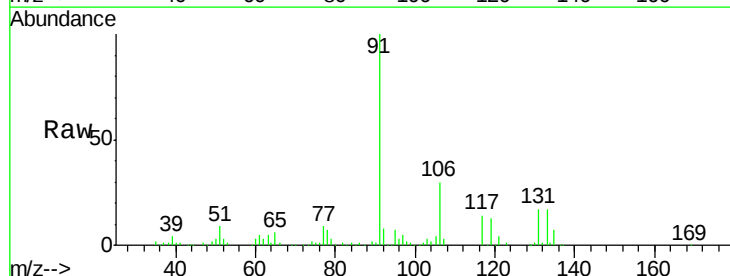


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

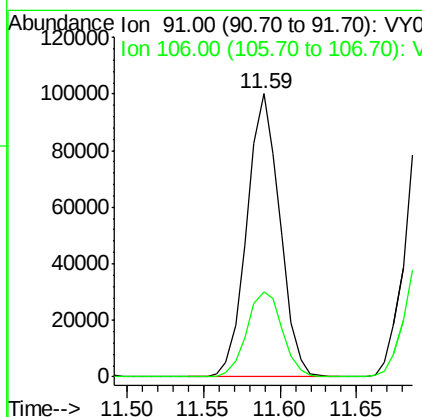
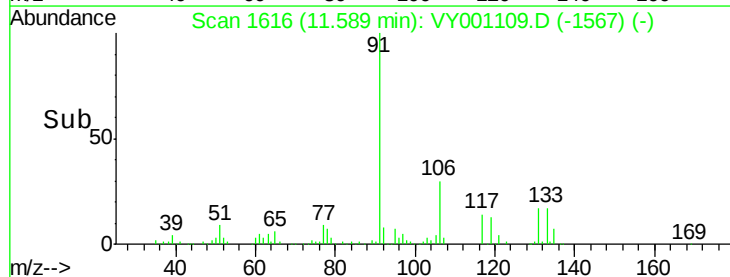


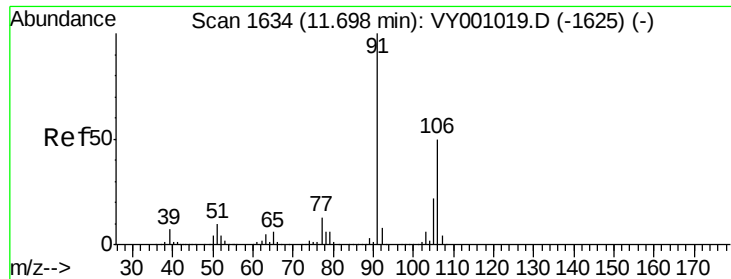
#67
 Ethyl Benzene
 Concen: 8.335 ug/l
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 91 Resp: 150038
 Ion Ratio Lower Upper
 91 100
 106 30.2 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 106.00 (105.70 to 106.70): V

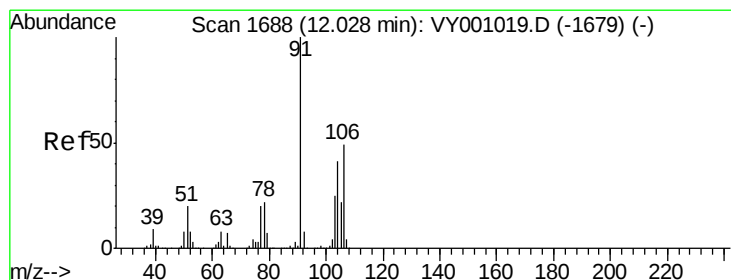
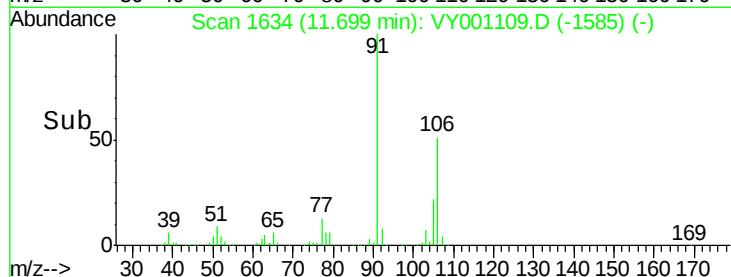
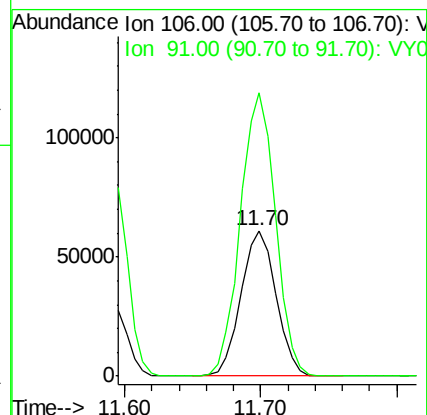
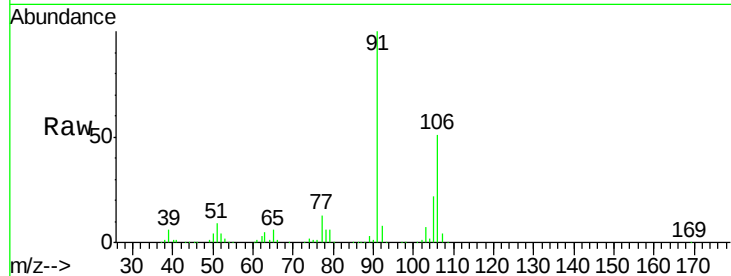




#68
m/p-Xylenes
Concen: 16.117 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

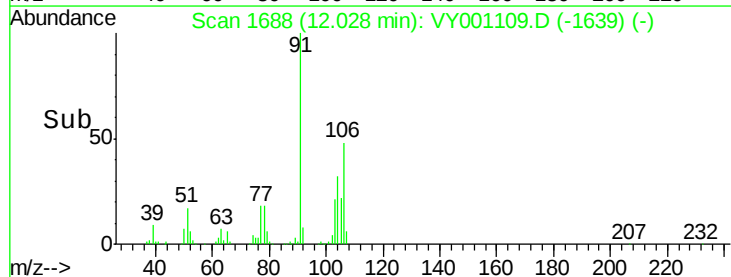
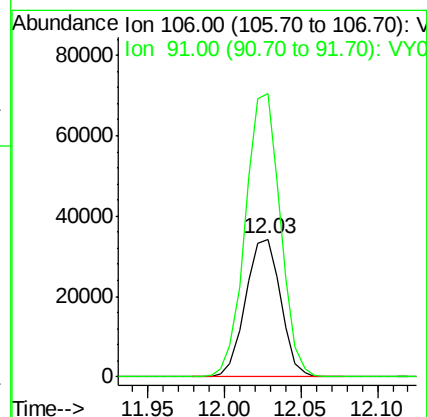
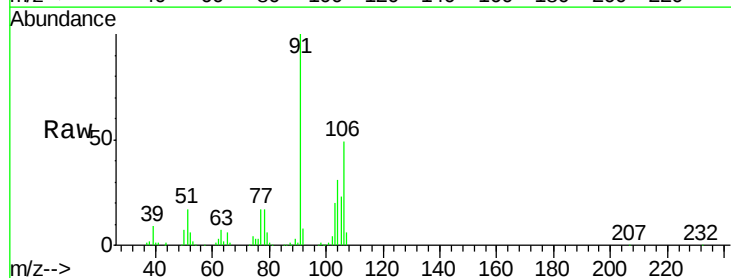
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

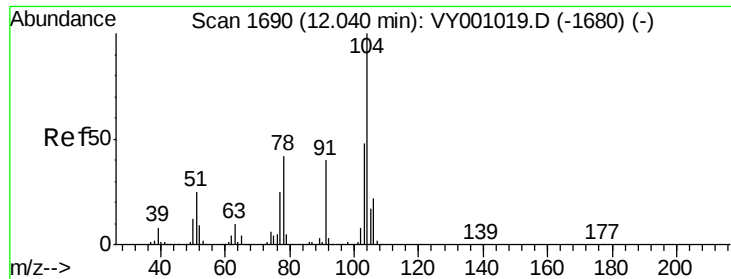
Tgt Ion:106 Resp: 110153
Ion Ratio Lower Upper
106 100
91 195.0 156.4 234.6



#69
o-Xylene
Concen: 8.521 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion:106 Resp: 54790
Ion Ratio Lower Upper
106 100
91 204.4 103.0 309.0

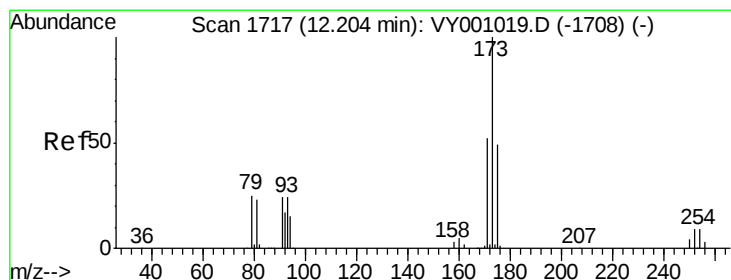
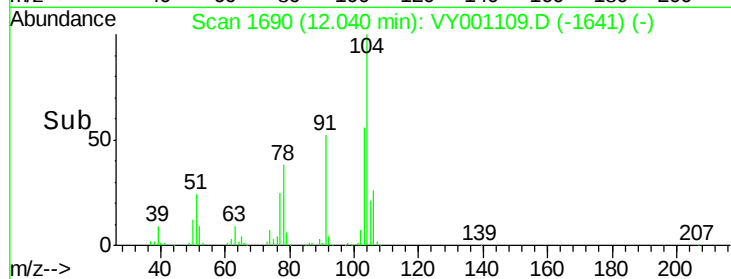
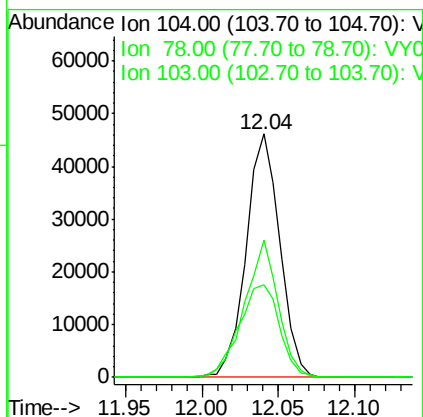
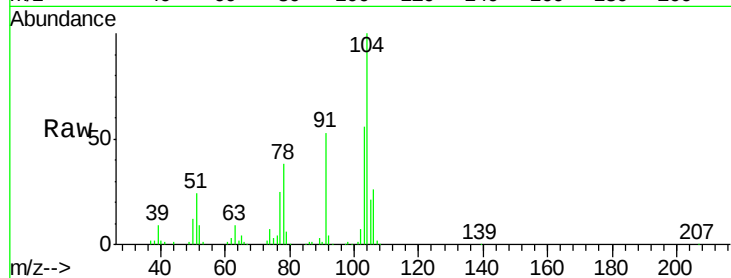




#70
Styrene
Concen: 6.455 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

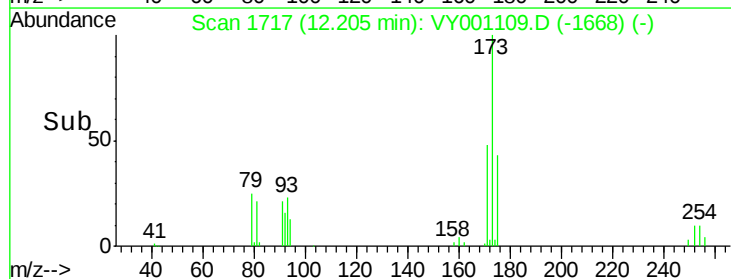
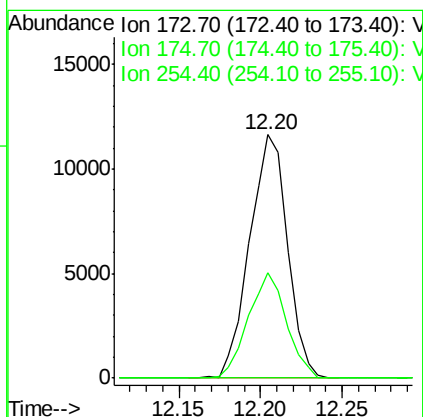
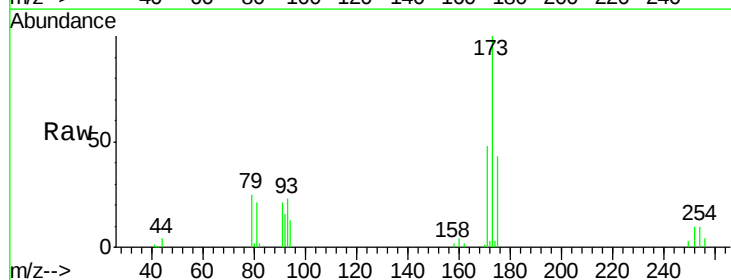
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

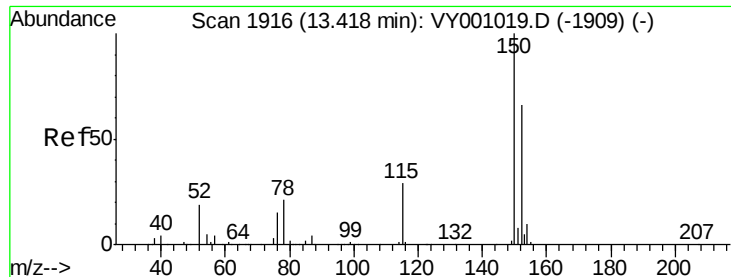
Tgt Ion:104 Resp: 70573
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 56.6 42.6 64.0



#71
Bromoform
Concen: 10.164 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion:173 Resp: 18690
Ion Ratio Lower Upper
173 100
175 43.6 24.5 73.5
254 0.0 0.0 0.0



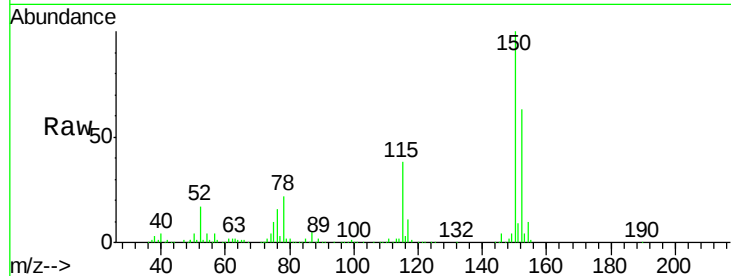


#72

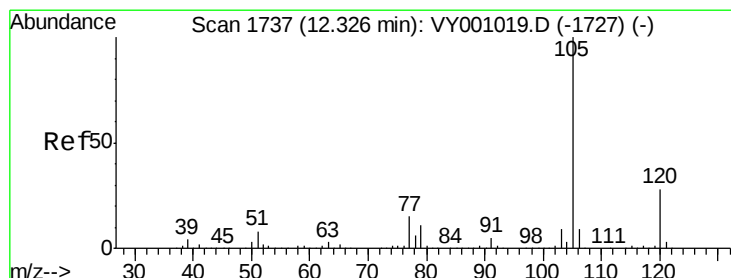
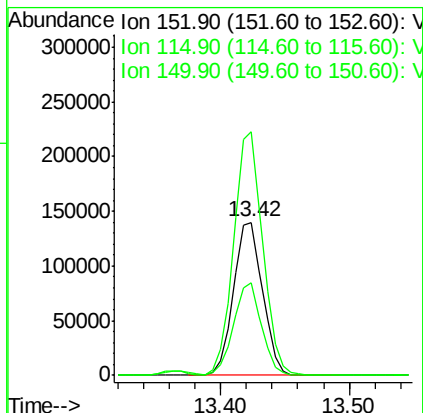
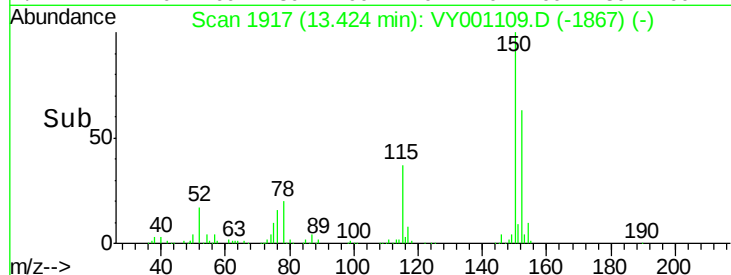
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion:152 Resp: 218772
Ion Ratio Lower Upper
152 100
115 58.2 29.8 89.3
150 159.2 0.0 352.6



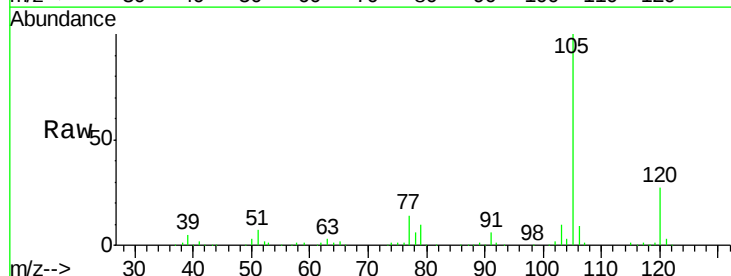
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



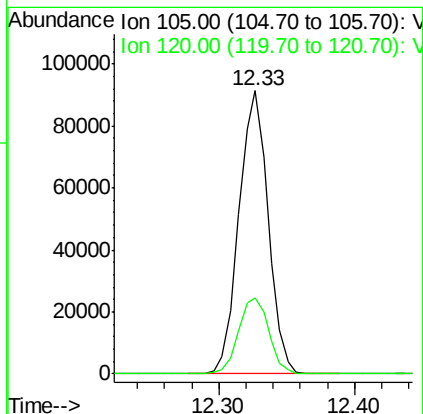
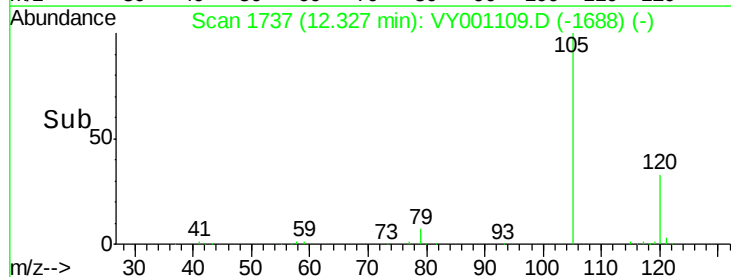
#73

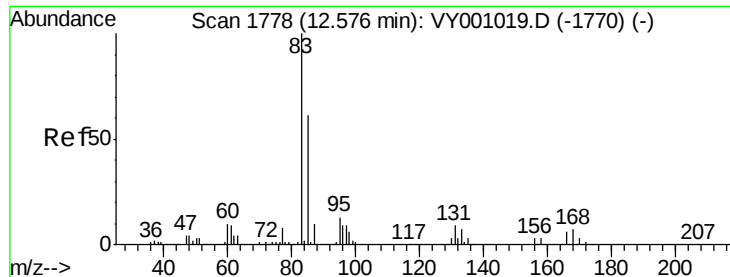
Isopropylbenzene
Concen: 8.064 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion:105 Resp: 136521
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 9.848 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

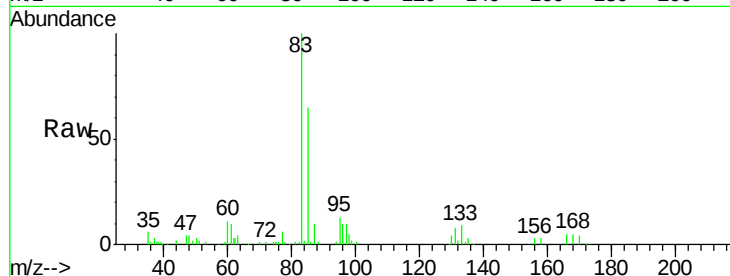
Tgt Ion: 83 Resp: 32844

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

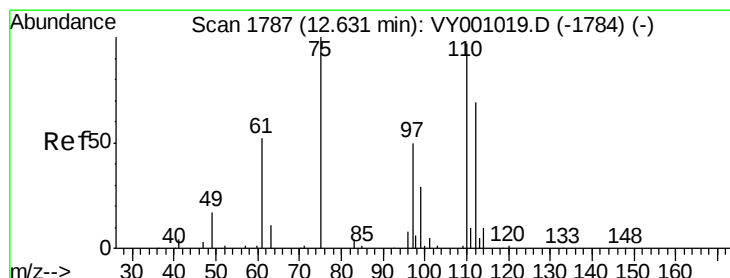
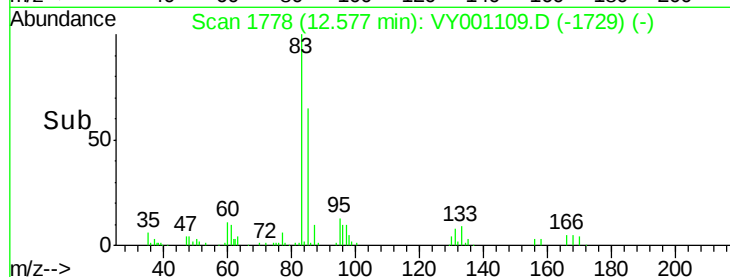
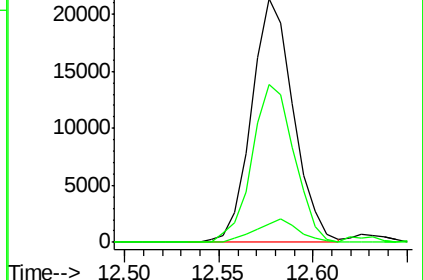
85 65.4 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY001109.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY001109.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY001109.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 15.739 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. -0.01 min

Lab File: VY001109.D

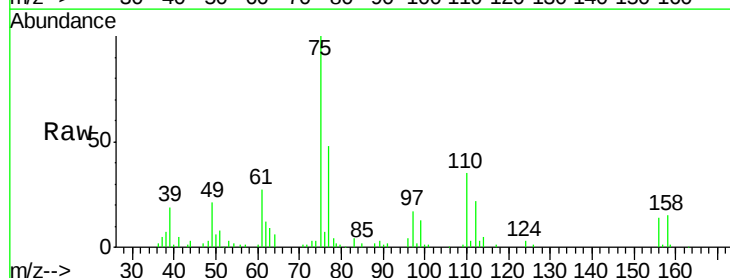
Acq: 27 Dec 2019 19:25

Tgt Ion: 75 Resp: 42448

Ion Ratio Lower Upper

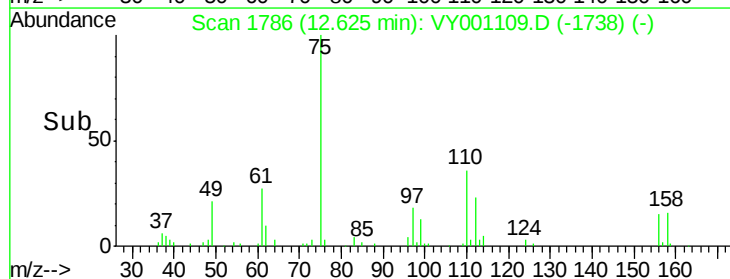
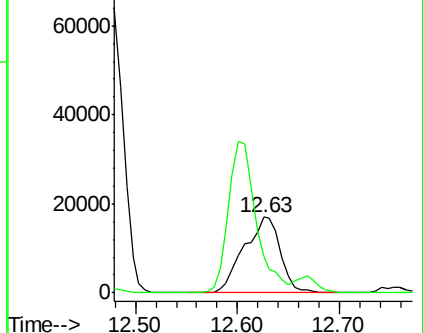
75 100

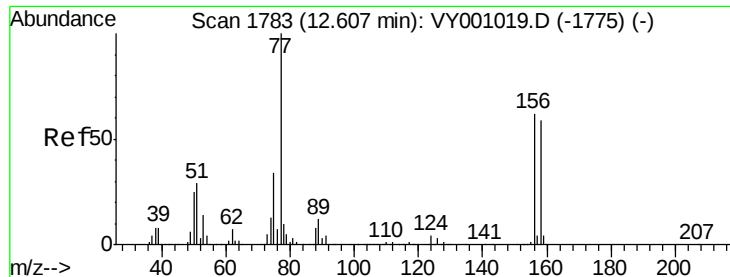
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001109.D (-1784) (-)

Ion 77.00 (76.70 to 77.70): VY001109.D (-1784) (-)





#77

Bromobenzene

Concen: 8.540 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

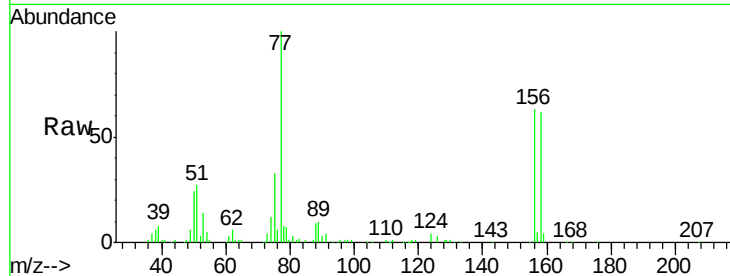
Tgt Ion:156 Resp: 32516

Ion Ratio Lower Upper

156 100

77 197.6 98.0 294.1

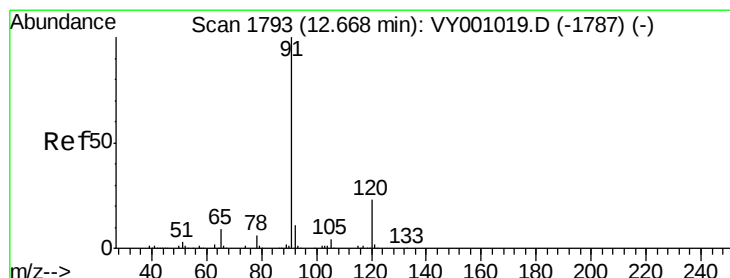
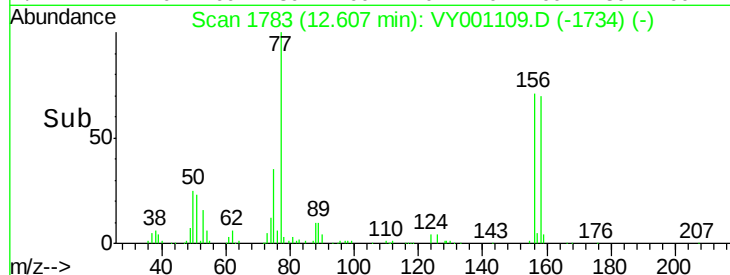
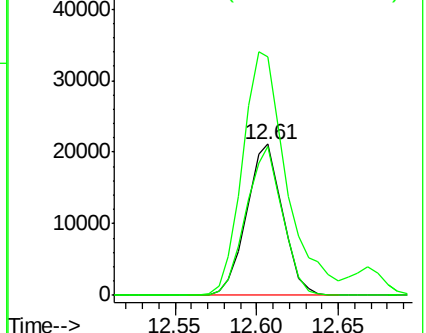
158 98.7 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 7.540 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001109.D

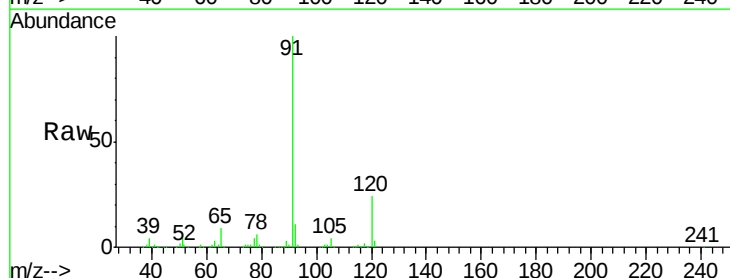
Acq: 27 Dec 2019 19:25

Tgt Ion: 91 Resp: 155535

Ion Ratio Lower Upper

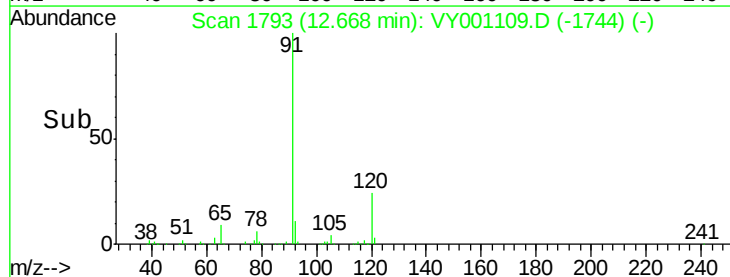
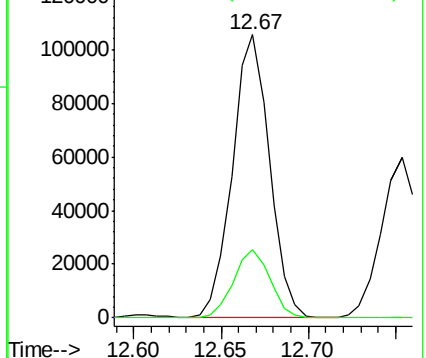
91 100

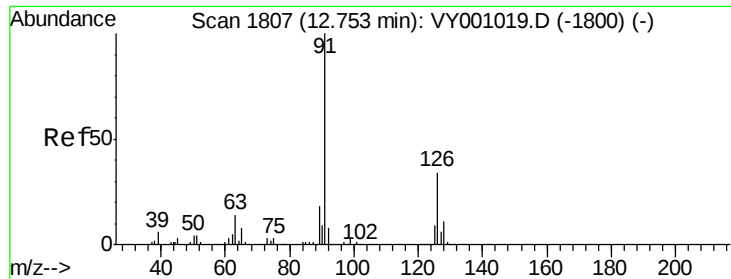
120 23.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

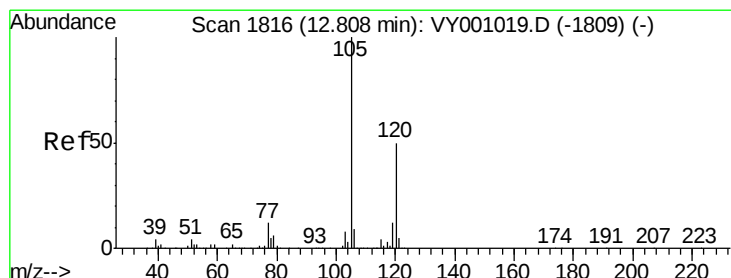
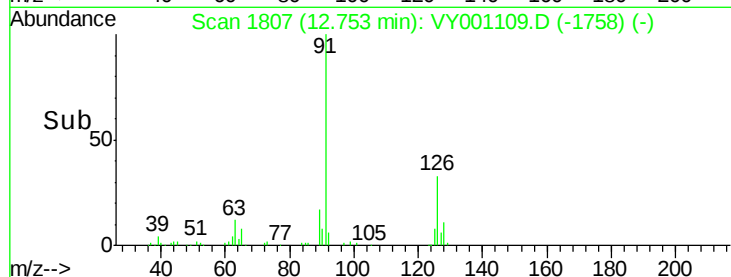
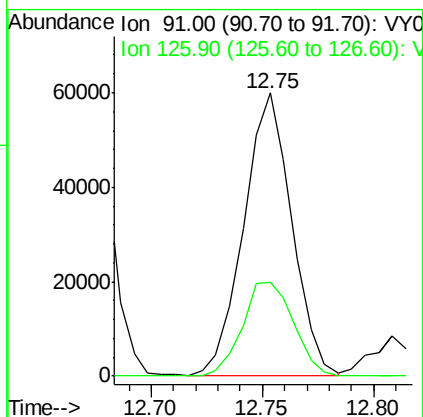
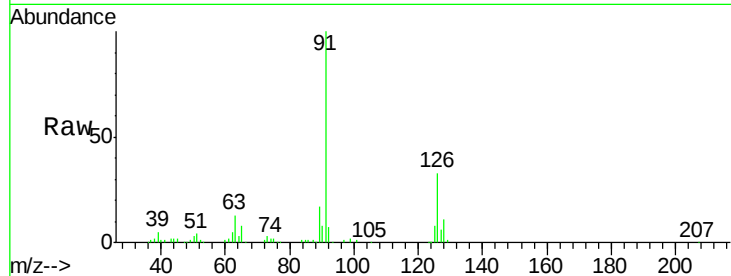




#79
 2-Chlorotoluene
 Concen: 7.867 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

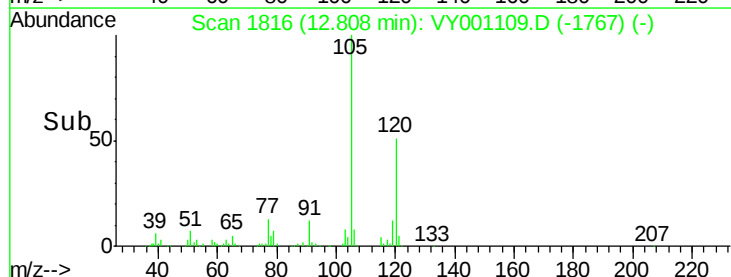
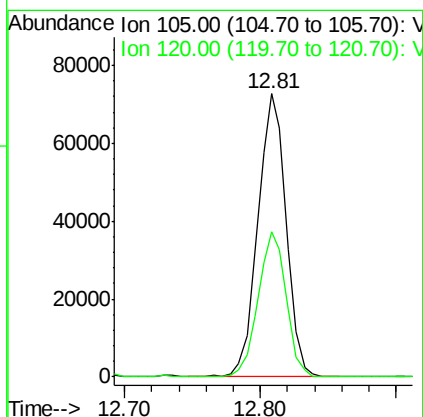
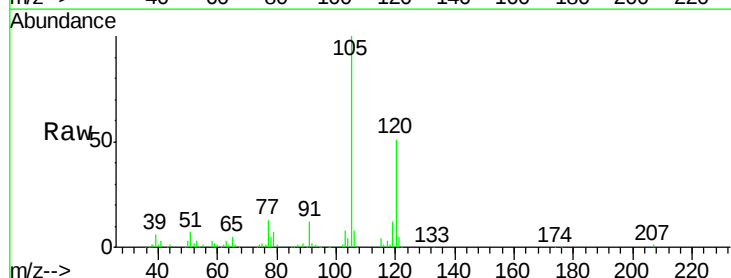
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

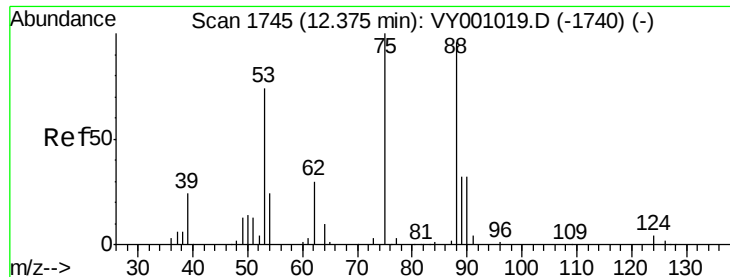
Tgt Ion: 91 Resp: 89627
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 7.656 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion: 105 Resp: 106241
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 7.644 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

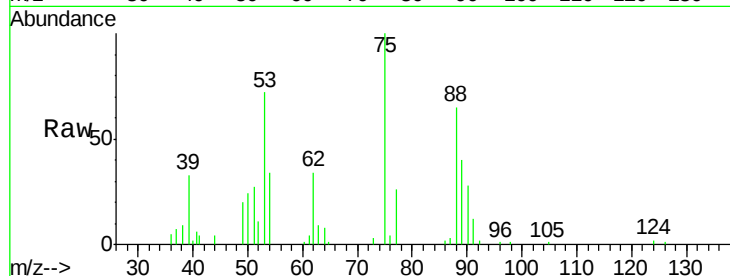
Tgt Ion: 75 Resp: 9666

Ion Ratio Lower Upper

75 100

53 79.4 60.6 91.0

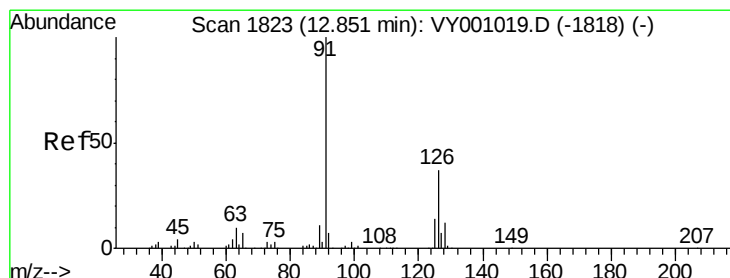
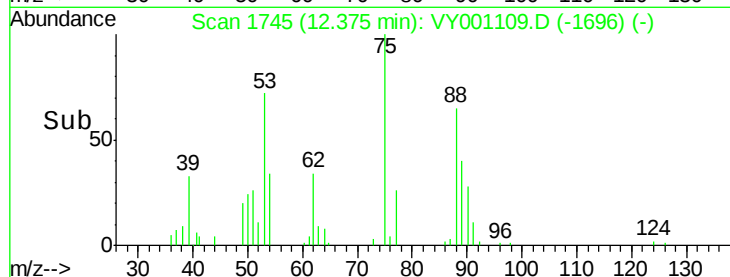
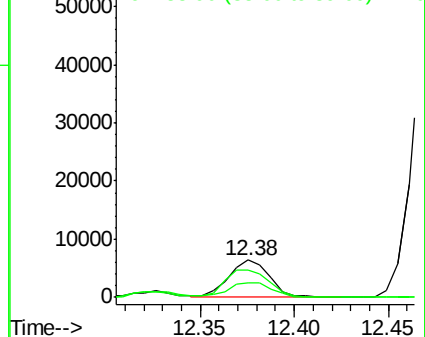
89 43.8 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VY001109.D (-1696) (-)

Ion 53.00 (52.70 to 53.70): VY001109.D (-1696) (-)

Ion 88.90 (88.60 to 89.60): VY001109.D (-1696) (-)



#82

4-Chlorotoluene

Concen: 7.553 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001109.D

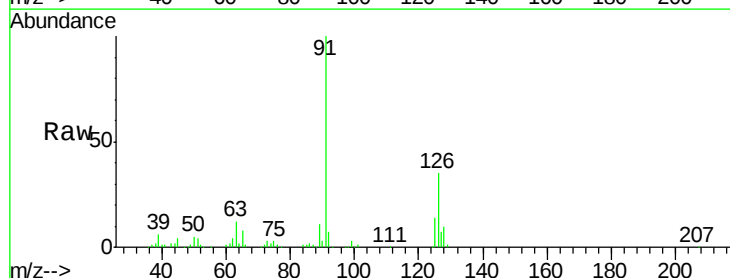
Acq: 27 Dec 2019 19:25

Tgt Ion: 91 Resp: 89371

Ion Ratio Lower Upper

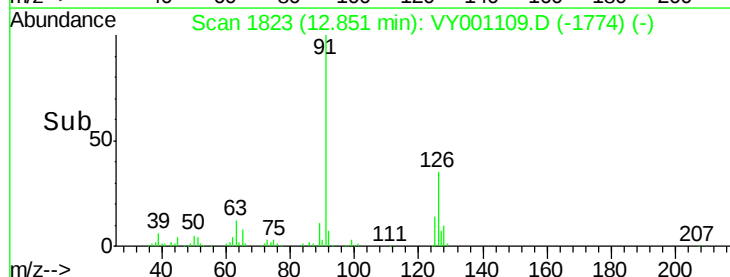
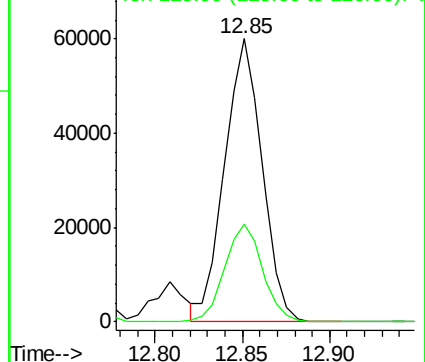
91 100

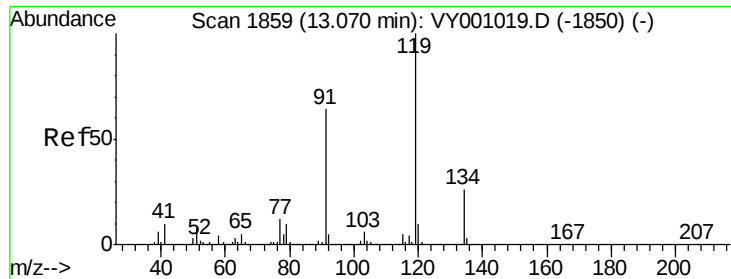
126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY001109.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VY001109.D (-1774) (-)

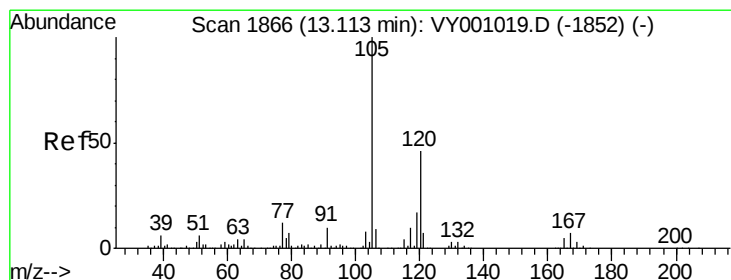
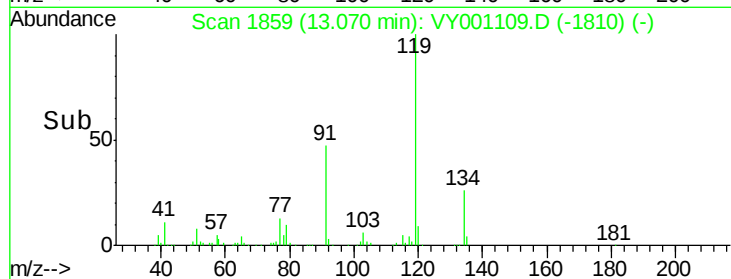
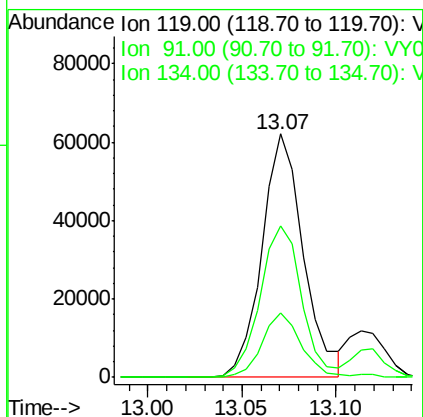
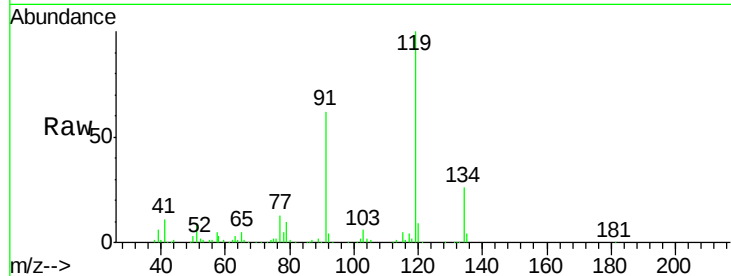




#83
 tert-Butylbenzene
 Concen: 8.140 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

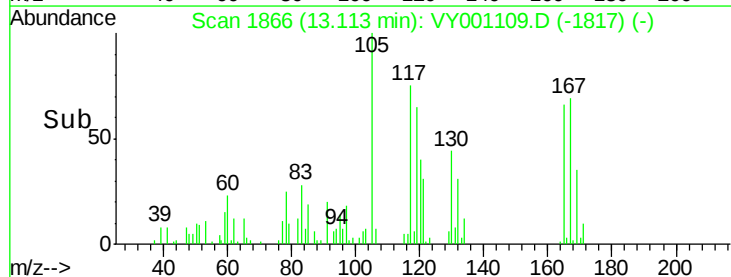
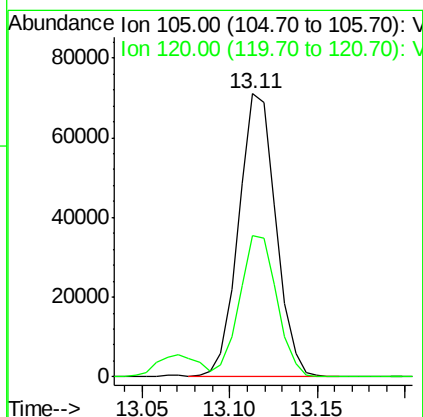
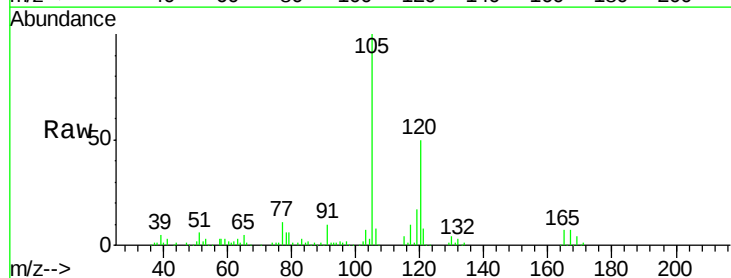
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

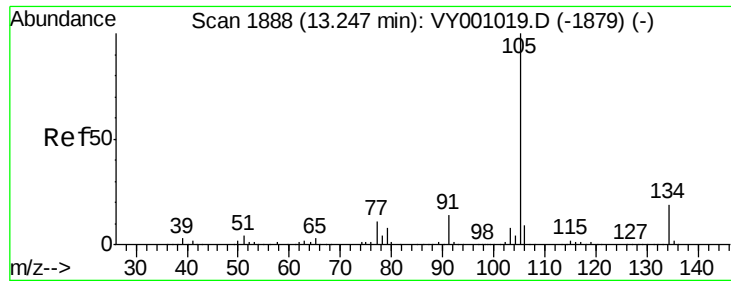
Tgt Ion:119 Resp: 94826
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.9 95.7
 134 25.7 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 7.532 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion:105 Resp: 105032
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.4 70.2

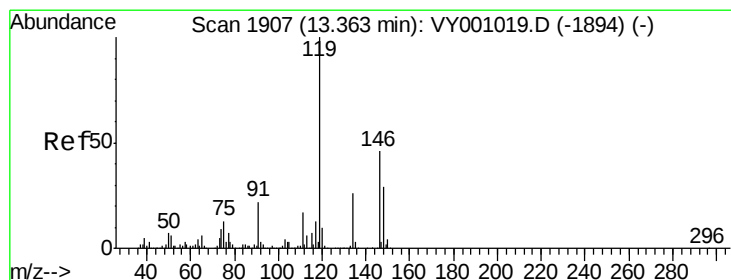
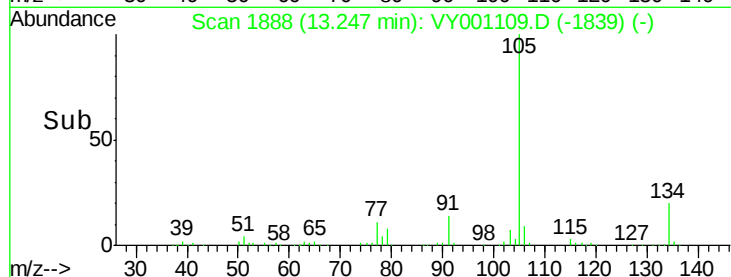
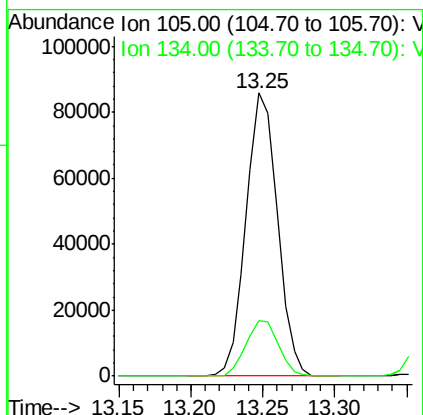
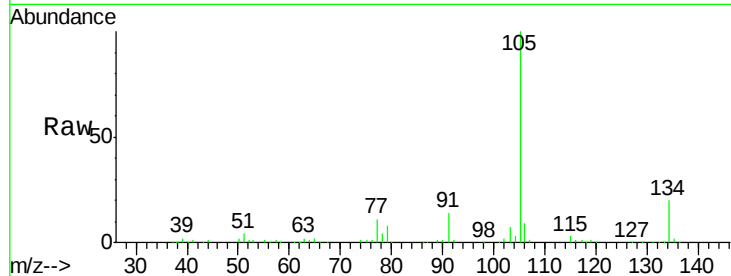




#85
 sec-Butylbenzene
 Concen: 7.548 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

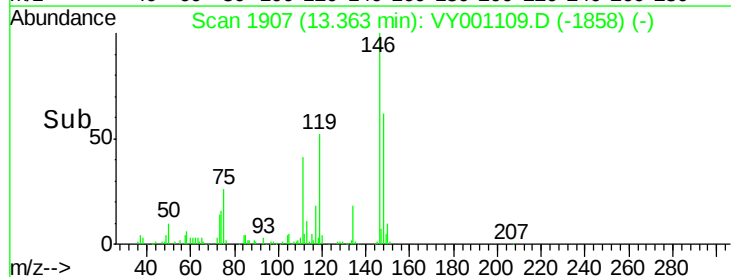
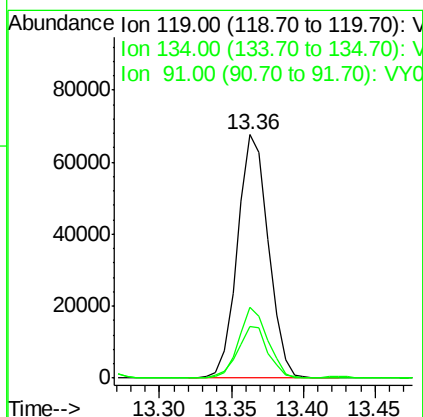
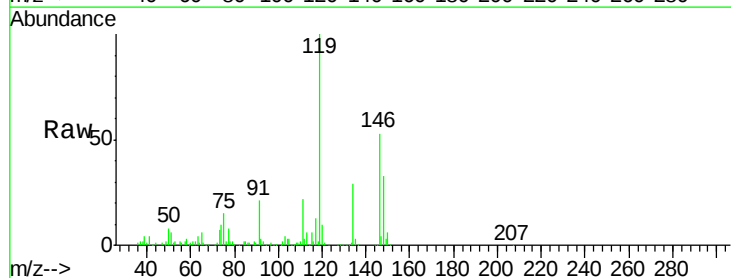
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

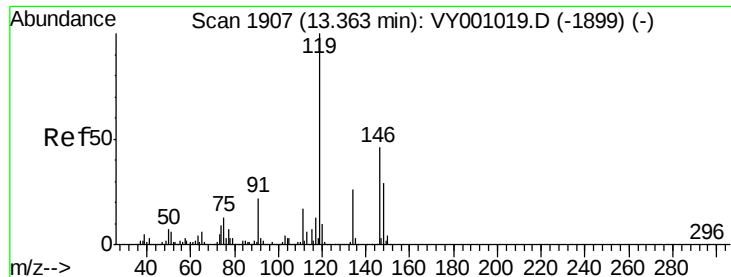
Tgt Ion:105 Resp: 129631
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 6.770 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion:119 Resp: 100602
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.7
 91 20.9 11.4 34.1

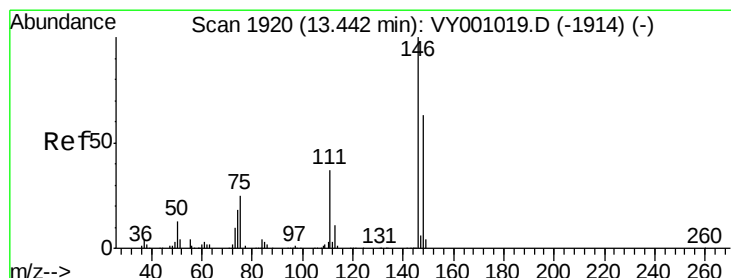
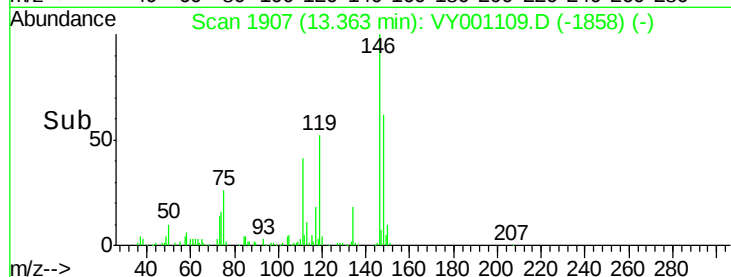
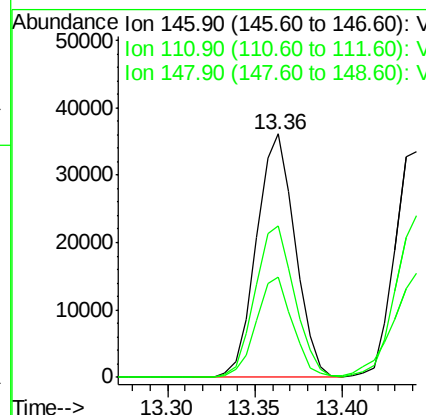
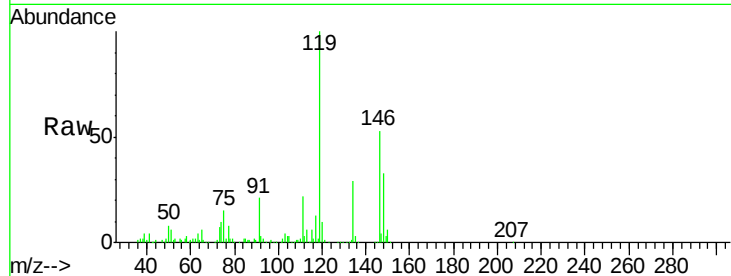




#87
 1,3-Dichlorobenzene
 Concen: 7.574 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

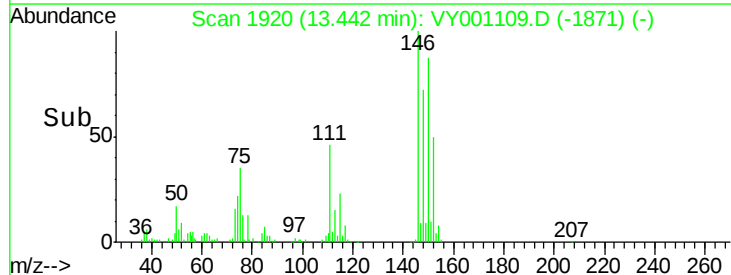
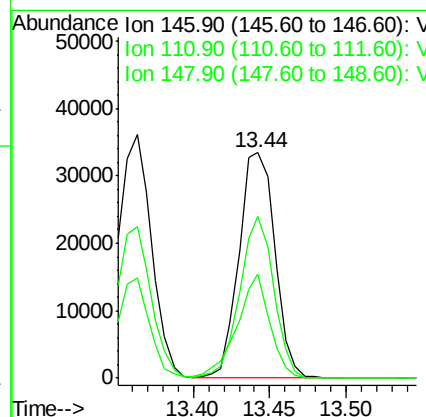
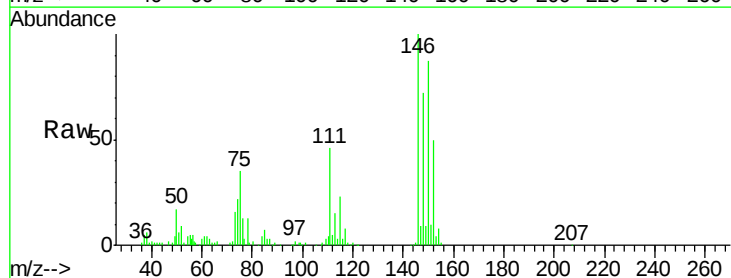
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

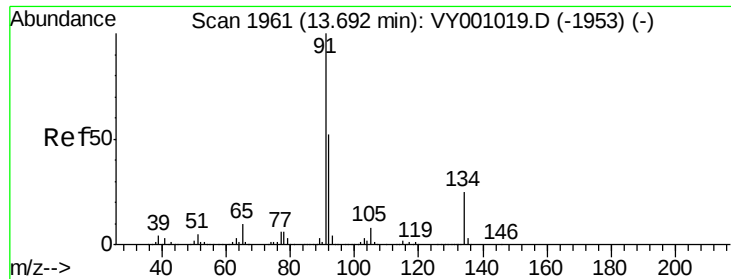
Tgt Ion:146 Resp: 55384
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 7.379 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion:146 Resp: 54431
 Ion Ratio Lower Upper
 146 100
 111 42.6 19.4 58.2
 148 68.1 31.8 95.3

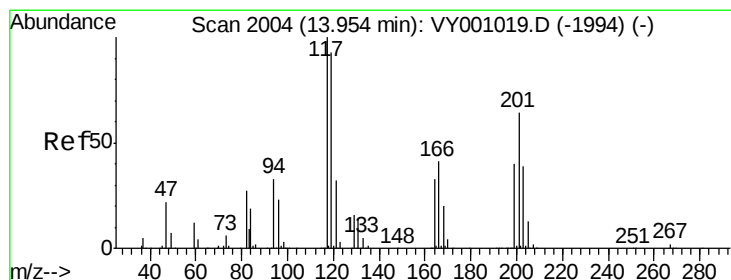
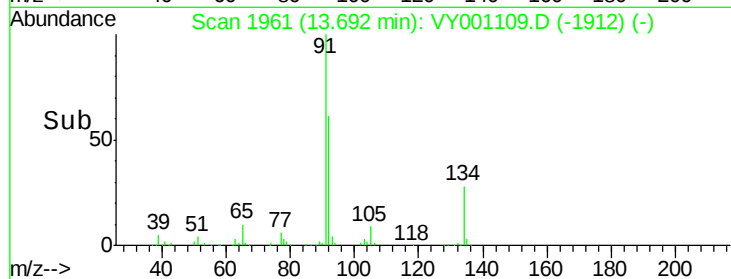
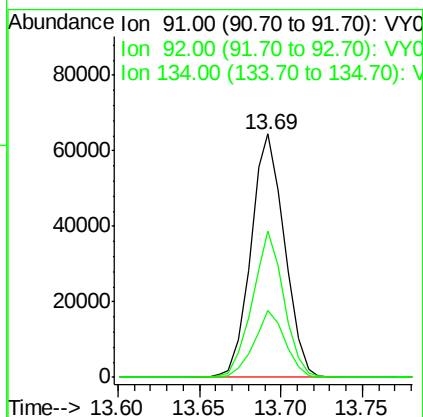
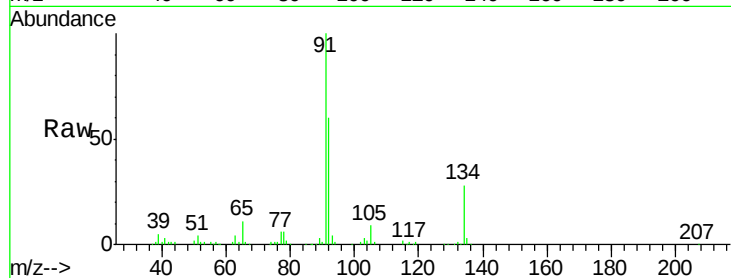




#89
n-Butylbenzene
Concen: 6.158 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

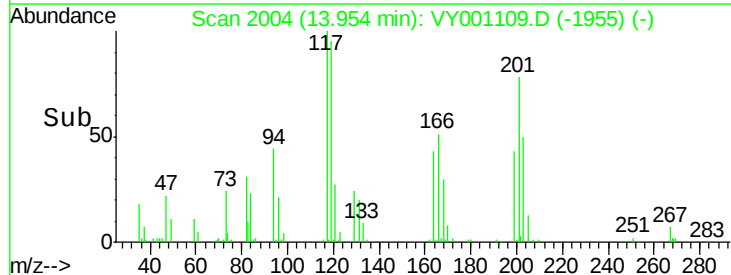
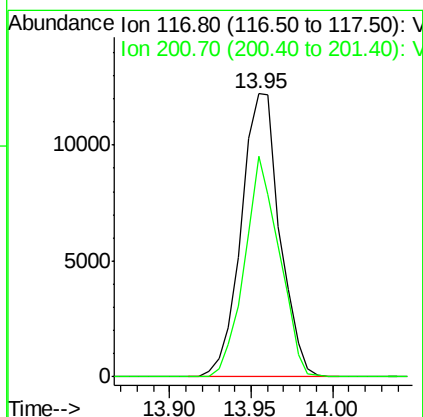
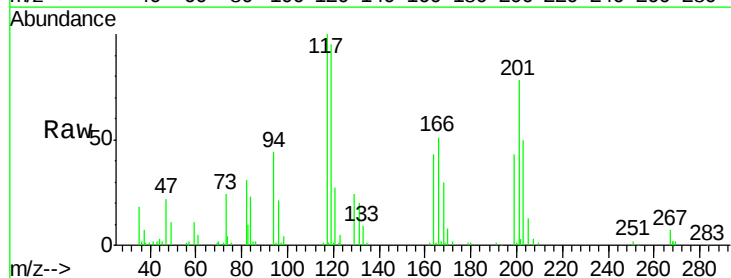
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

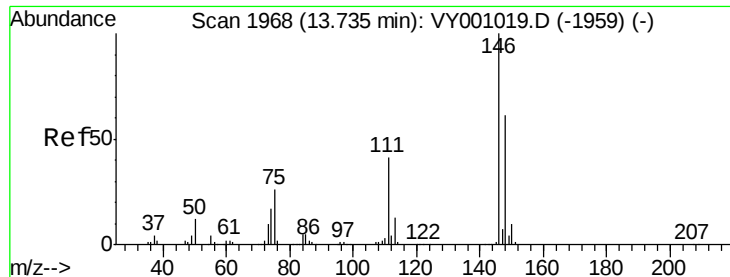
Tgt Ion: 91 Resp: 92065
Ion Ratio Lower Upper
91 100
92 56.4 26.9 80.7
134 25.8 12.7 38.0



#90
Hexachloroethane
Concen: 7.203 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion: 117 Resp: 20166
Ion Ratio Lower Upper
117 100
201 70.1 33.7 101.1





#91

1,2-Dichlorobenzene

Concen: 7.811 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01

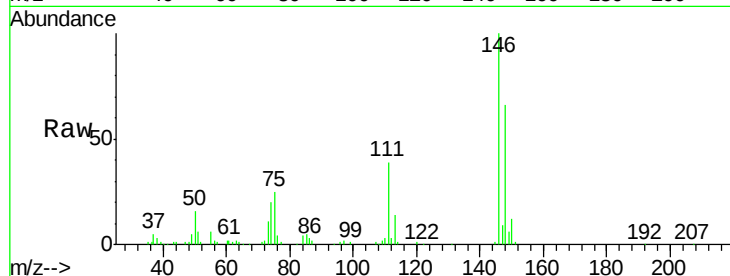
Tgt Ion:146 Resp: 52691

Ion Ratio Lower Upper

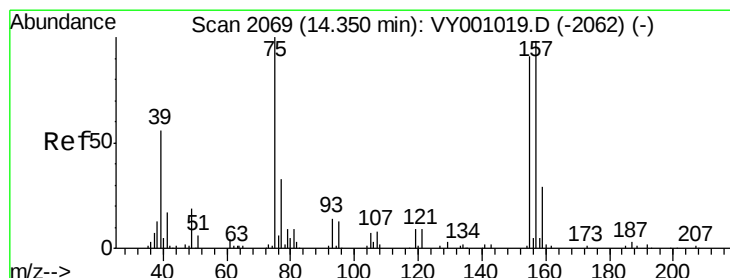
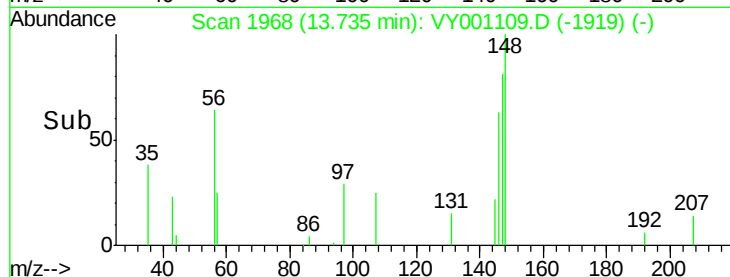
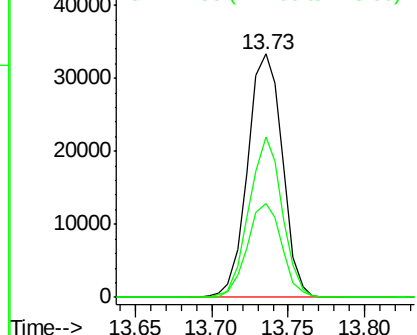
146 100

111 38.6 20.6 61.9

148 63.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.077 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.01 min

Lab File: VY001109.D

Acq: 27 Dec 2019 19:25

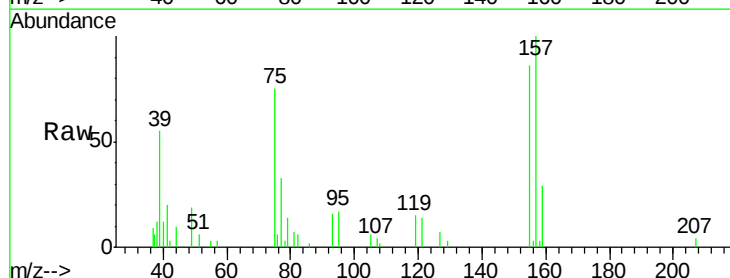
Tgt Ion: 75 Resp: 4507

Ion Ratio Lower Upper

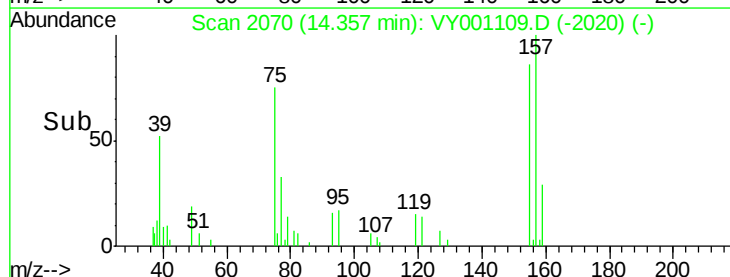
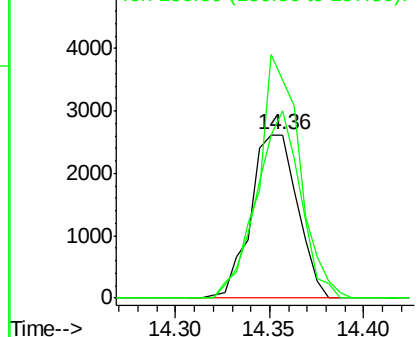
75 100

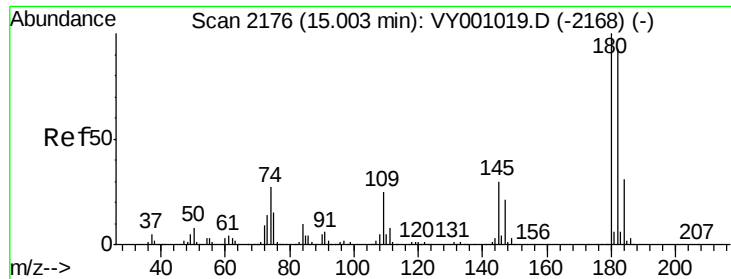
155 107.7 46.3 138.9

157 133.2 58.1 174.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

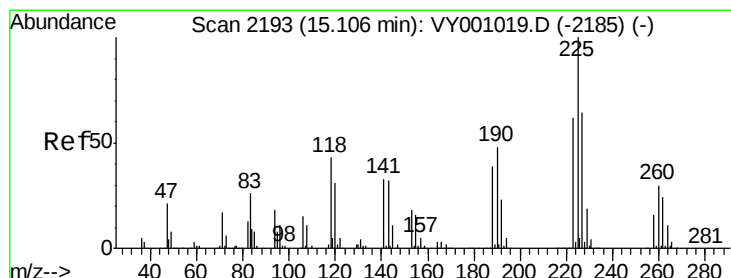
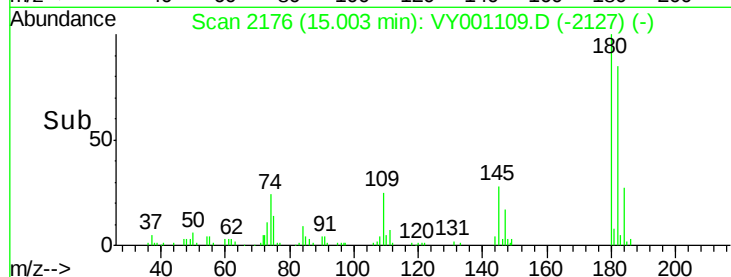
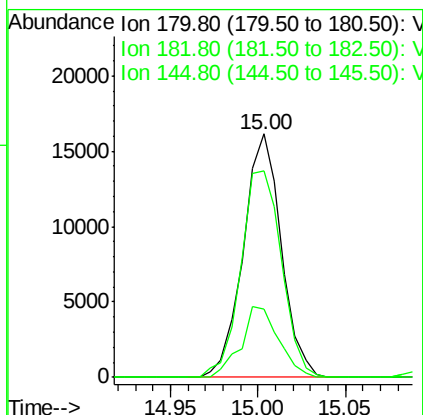
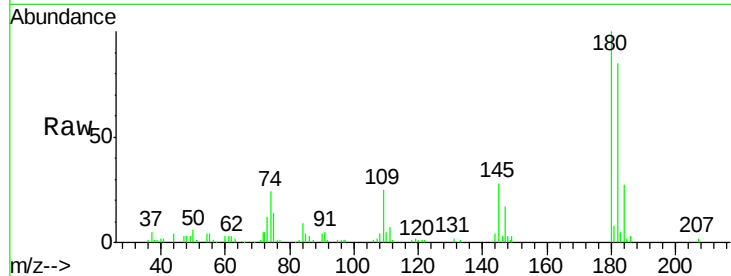




#93
 1,2,4-Trichlorobenzene
 Concen: 5.366 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

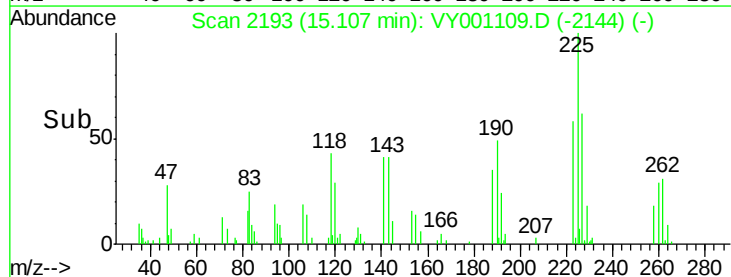
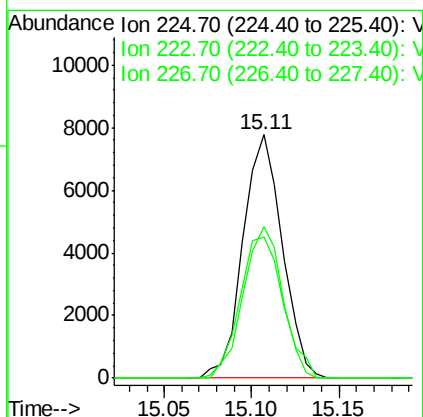
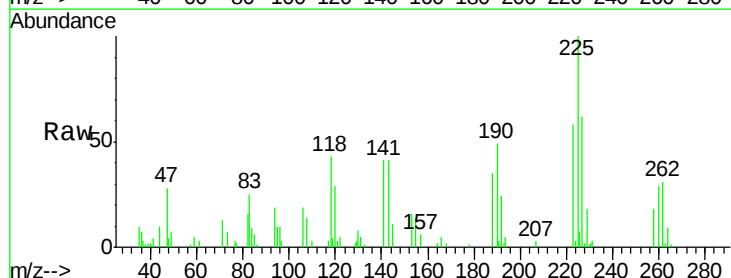
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01

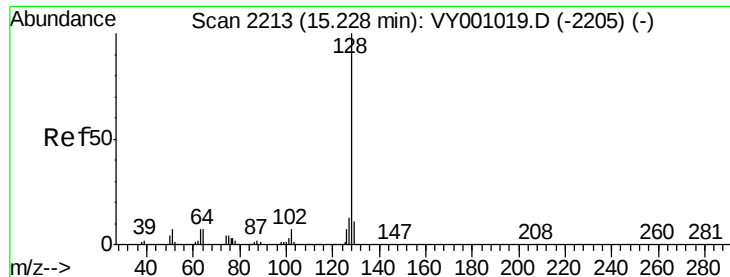
Tgt Ion:180 Resp: 24430
 Ion Ratio Lower Upper
 180 100
 182 91.5 46.8 140.3
 145 29.0 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 5.592 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001109.D
 Acq: 27 Dec 2019 19:25

Tgt Ion:225 Resp: 12117
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.6 94.8
 227 62.1 31.9 95.5

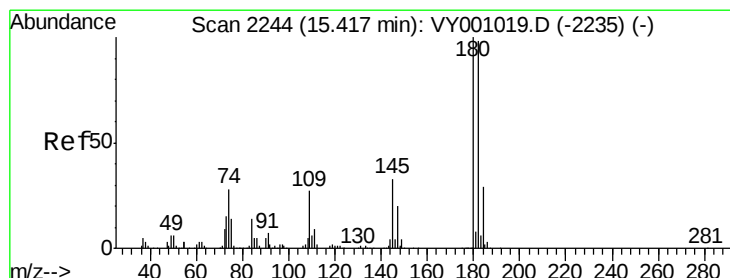
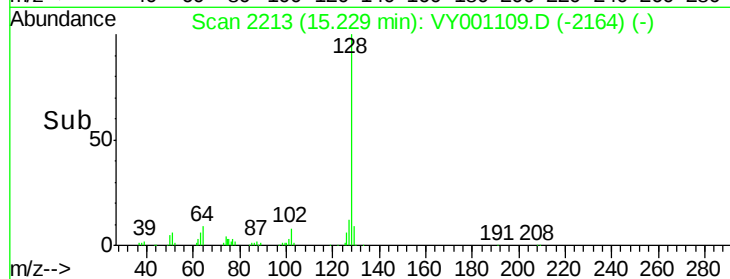
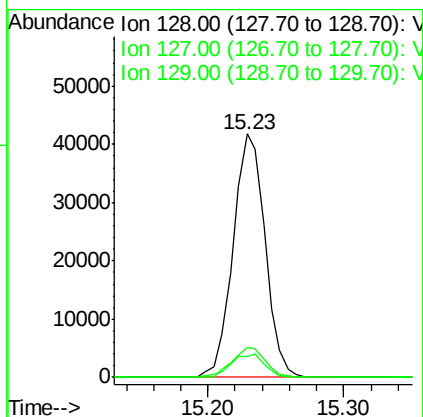
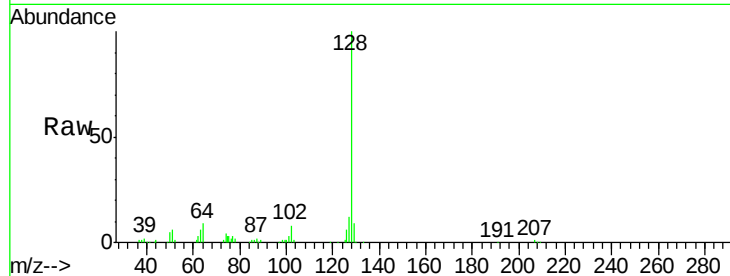




#95
Naphthalene
Concen: 6.378 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01

Tgt Ion:128 Resp: 68289
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 5.676 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001109.D
Acq: 27 Dec 2019 19:25

Tgt Ion:180 Resp: 23049
Ion Ratio Lower Upper
180 100
182 91.8 47.9 143.8
145 33.2 16.3 48.9

