

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001111.D
 Acq On : 27 Dec 2019 20:07
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.51G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Quant Time: Dec 28 04:06:43 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	137887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	246571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	219396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	80334	59.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.14%	
35) Dibromofluoromethane	7.73	113	83105	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
50) Toluene-d8	10.18	98	322600	56.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.70%	
62) 4-Bromofluorobenzene	12.48	95	101003	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	49609	41.289	ug/l	99
3) Chloromethane	2.11	50	50986	31.179	ug/l	96
4) Vinyl Chloride	2.25	62	47903	30.164	ug/l	100
5) Bromomethane	2.65	94	35562	34.568	ug/l	92
6) Chloroethane	2.80	64	34175	34.551	ug/l	93
7) Trichlorofluoromethane	3.13	101	88537	38.010	ug/l	98
8) Diethyl Ether	3.53	74	51529	54.195	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	70107	45.820	ug/l	96
10) Methyl Iodide	4.10	142	98246	46.474	ug/l	100
11) Tert butyl alcohol	4.96	59	41609	278.264	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	70425	45.463	ug/l	97
13) Acrolein	3.74	56	10671	57.596	ug/l	98
14) Allyl chloride	4.49	41	108496	45.086	ug/l	98
15) Acrylonitrile	5.18	53	133671	281.300	ug/l	99
16) Acetone	3.96	43	88324	281.919	ug/l	96
17) Carbon Disulfide	4.20	76	182537	36.061	ug/l	97
18) Methyl Acetate	4.48	43	206875	172.112	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	230798	57.727	ug/l	98
20) Methylene Chloride	4.72	84	96401	52.276	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	83302	48.523	ug/l	97
22) Diisopropyl ether	6.13	45	253982	52.216	ug/l #	91
23) Vinyl Acetate	6.13	43	160944	52.393	ug/l #	71
24) 1,1-Dichloroethane	6.03	63	144785	50.370	ug/l	99
25) 2-Butanone	7.00	43	151974	276.125	ug/l	95
26) 2,2-Dichloropropane	6.99	77	106004	44.887	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	100147	53.098	ug/l	96
28) Bromochloromethane	7.35	49	70830	63.155	ug/l	92
29) Tetrahydrofuran	7.36	42	104050	265.773	ug/l	93
30) Chloroform	7.52	83	146646	53.953	ug/l	97
31) Cyclohexane	7.79	56	113646	37.599	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	113306	48.869	ug/l	98
36) 1,1-Dichloropropene	7.92	75	106579	45.309	ug/l	99
37) Ethyl Acetate	7.09	43	38092	29.246	ug/l #	76
38) Carbon Tetrachloride	7.91	117	96692	46.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117688	37.676	ug/l	97
40) Benzene	8.17	78	359464	50.654	ug/l	94
41) Methacrylonitrile	7.36	41	87765	155.421	ug/l #	100
42) 1,2-Dichloroethane	8.25	62	91995	54.222	ug/l	100
43) Isopropyl Acetate	8.28	43	90453	37.515	ug/l #	90
44) Trichloroethene	8.94	130	93368	49.935	ug/l	98
45) 1,2-Dichloropropane	9.22	63	92889	52.177	ug/l	98
46) Dibromomethane	9.31	93	52161	56.838	ug/l	99
47) Bromodichloromethane	9.50	83	115000	54.099	ug/l #	95
48) Methyl methacrylate	9.30	41	70478	68.498	ug/l	94
49) 1,4-Dioxane	9.30	88	17817	1327.198	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	327124	260.305	ug/l	97
52) Toluene	10.24	92	218456	50.015	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	123956	53.730	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	146588	52.841	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	79697	58.172	ug/l	95
56) Ethyl methacrylate	10.51	69	65023	33.347	ug/l	93
57) 1,3-Dichloropropane	10.79	76	133171	55.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	186611	247.785	ug/l	99
59) 2-Hexanone	10.83	43	215424	247.739	ug/l	94
60) Dibromochloromethane	10.99	129	84586	57.800	ug/l	99
61) 1,2-Dibromoethane	11.09	107	73920	56.423	ug/l	98
64) Tetrachloroethene	10.72	164	96240	50.698	ug/l	97
65) Chlorobenzene	11.52	112	234547	51.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	83991	55.926	ug/l	98
67) Ethyl Benzene	11.59	91	404503	49.416	ug/l	97
68) m/p-Xylenes	11.70	106	305612	98.329	ug/l	97
69) o-Xylene	12.03	106	150776	51.565	ug/l	97
70) Styrene	12.04	104	246613	49.602	ug/l	98
71) Bromoform	12.20	173	49458	59.143	ug/l #	98
73) Isopropylbenzene	12.33	105	370308	52.194	ug/l	99
74) N-amyl acetate	12.14	43	14763	7.921	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	86283	61.733	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	115734	102.397	ug/l #	100
77) Bromobenzene	12.61	156	91640	57.431	ug/l	95
78) n-propylbenzene	12.67	91	418058	48.358	ug/l	98
79) 2-Chlorotoluene	12.75	91	241675	50.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	296754	51.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	30158	56.908	ug/l	95
82) 4-Chlorotoluene	12.85	91	247011	49.813	ug/l	97
83) tert-Butylbenzene	13.07	119	249374	51.083	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	290238	49.665	ug/l	98
85) sec-Butylbenzene	13.25	105	331778	46.101	ug/l	100
86) p-Isopropyltoluene	13.36	119	278086	44.656	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	156373	51.026	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	158038	51.121	ug/l	98
89) n-Butylbenzene	13.69	91	246460	39.337	ug/l	99
90) Hexachloroethane	13.95	117	57565	49.065	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	151306	53.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	13481	57.650	ug/l	95

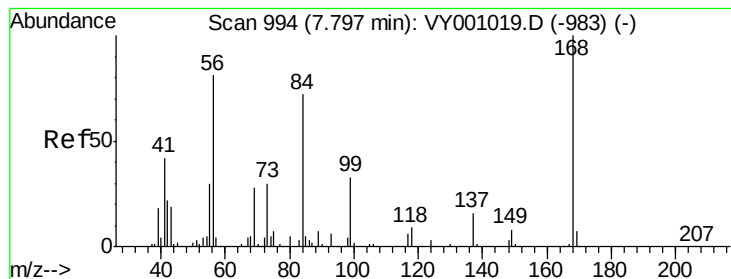
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	77910	40.831	ug/l	99
94) Hexachlorobutadiene	15.11	225	30921	34.054	ug/l	92
95) Naphthalene	15.23	128	231211	51.525	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	70571	41.472	ug/l	96

(#) = 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: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

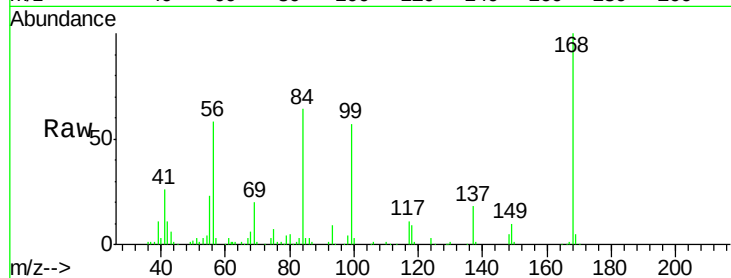
DUNR-BF001-01MSD

Tgt Ion:168 Resp: 137887

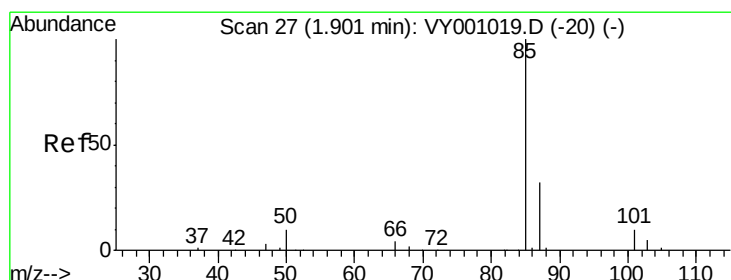
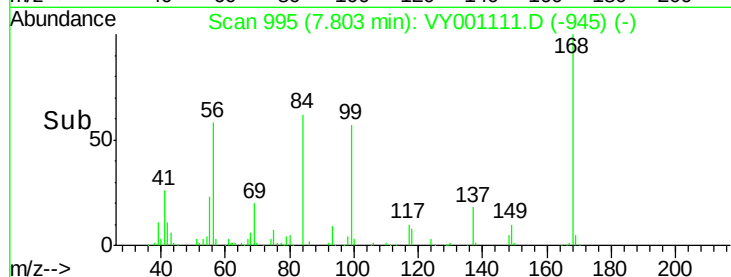
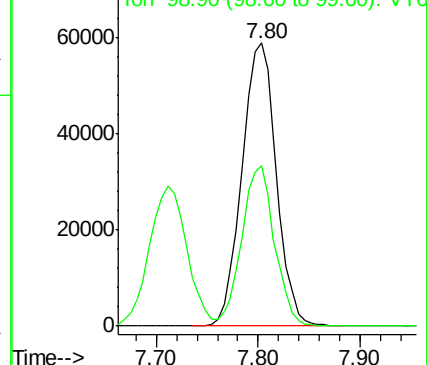
Ion Ratio Lower Upper

168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 41.289 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001111.D

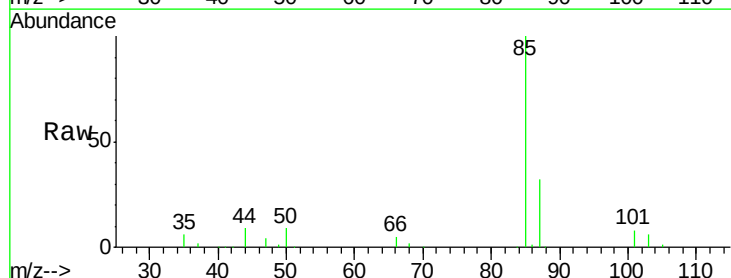
Acq: 27 Dec 2019 20:07

Tgt Ion: 85 Resp: 49609

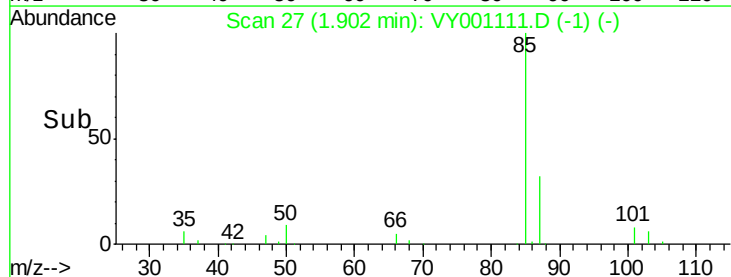
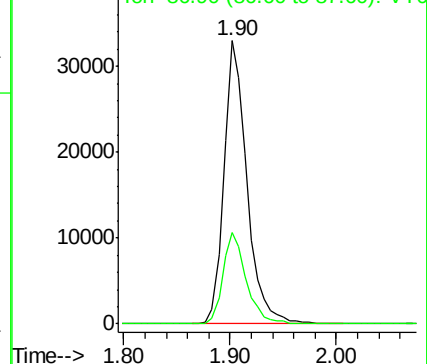
Ion Ratio Lower Upper

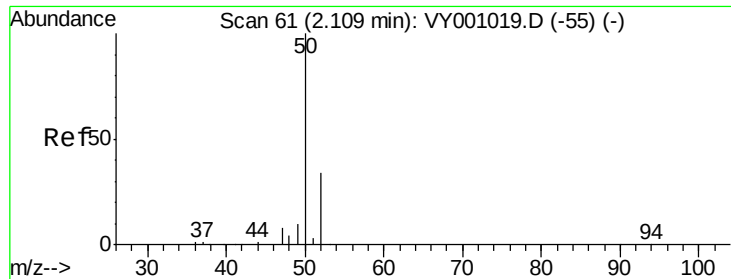
85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)





#3

Chloromethane

Concen: 31.179 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

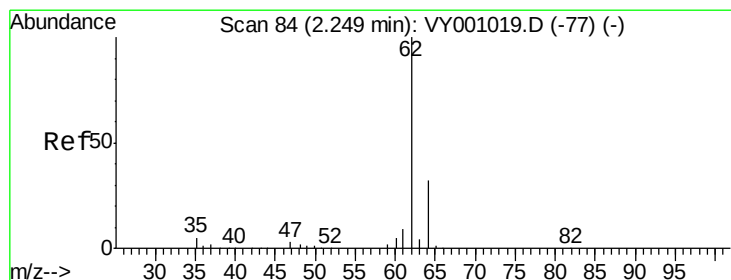
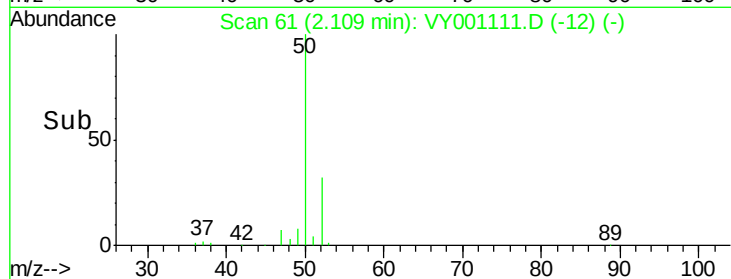
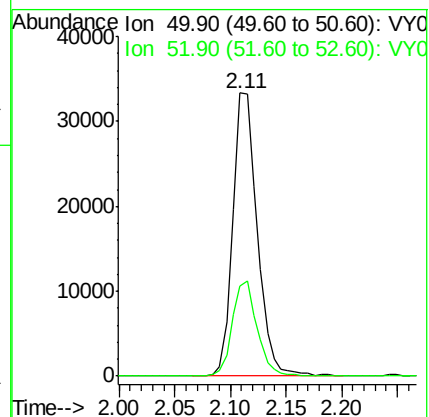
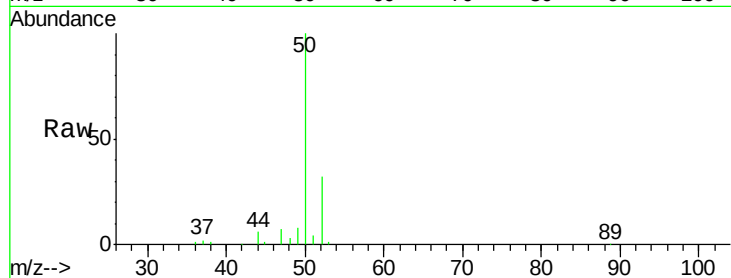
DUNR-BF001-01MSD

Tgt Ion: 50 Resp: 50986

Ion Ratio Lower Upper

50 100

52 31.6 27.1 40.7



#4

Vinyl Chloride

Concen: 30.164 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001111.D

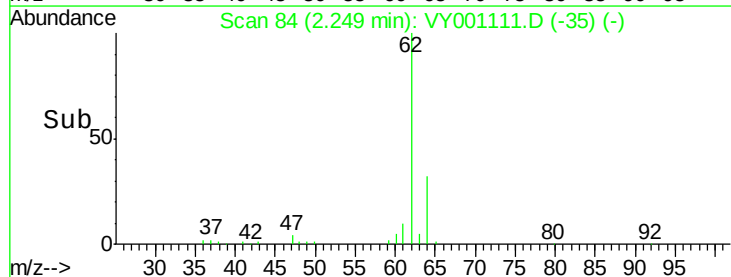
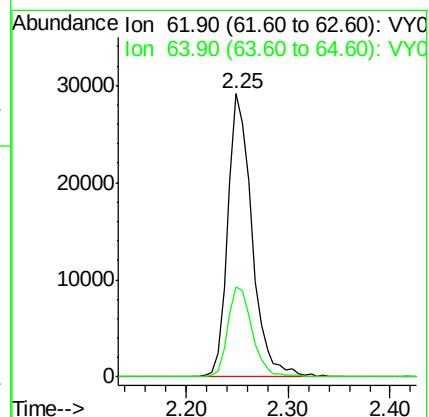
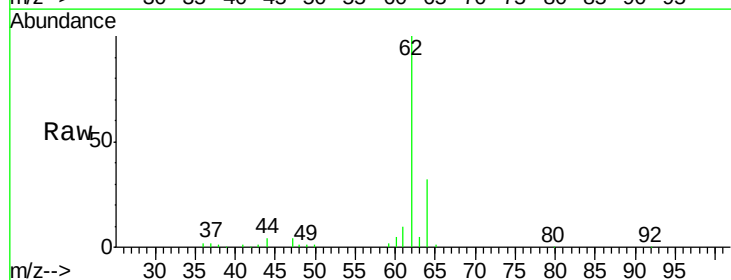
Acq: 27 Dec 2019 20:07

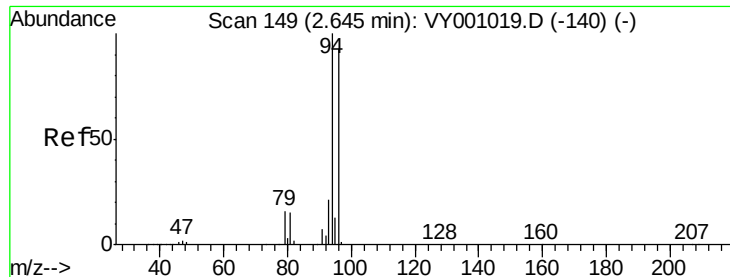
Tgt Ion: 62 Resp: 47903

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 34.568 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

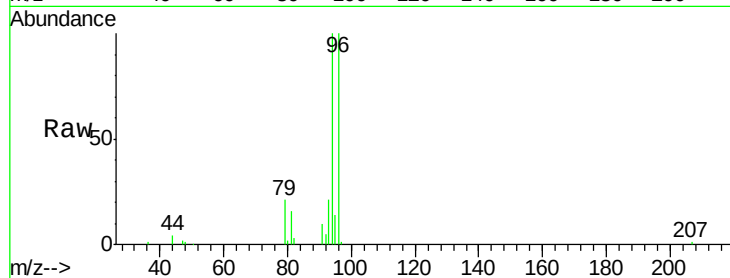
DUNR-BF001-01MSD

Tgt Ion: 94 Resp: 35562

Ion Ratio Lower Upper

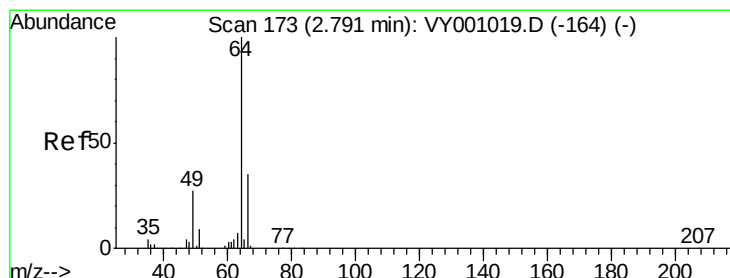
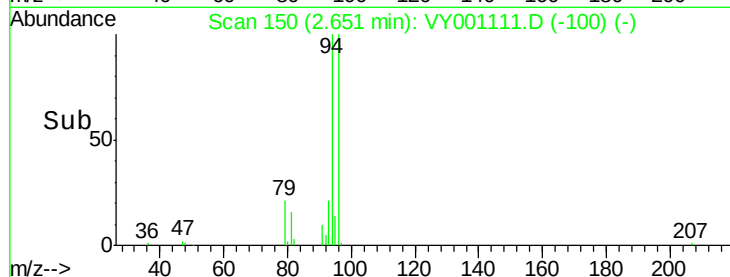
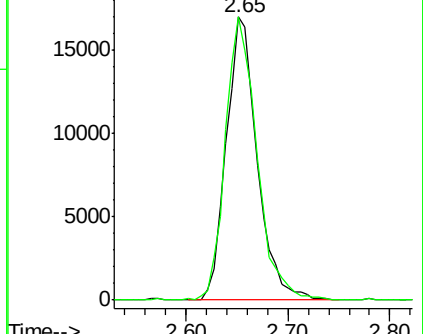
94 100

96 100.1 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: 34.551 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001111.D

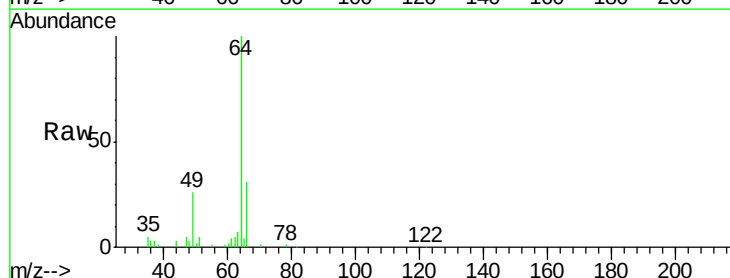
Acq: 27 Dec 2019 20:07

Tgt Ion: 64 Resp: 34175

Ion Ratio Lower Upper

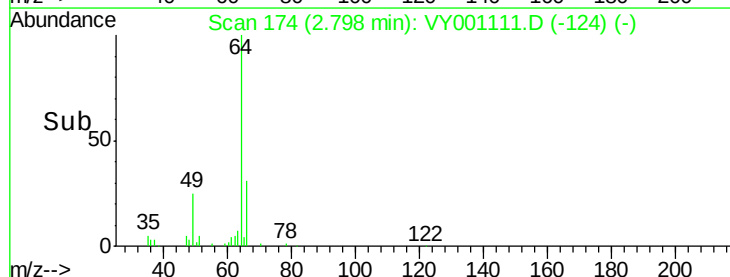
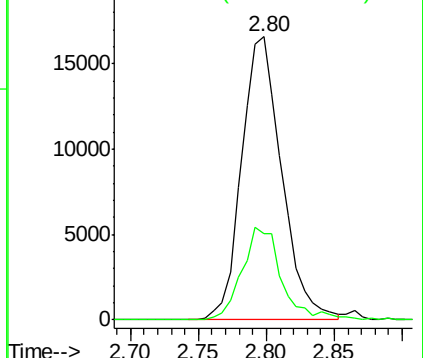
64 100

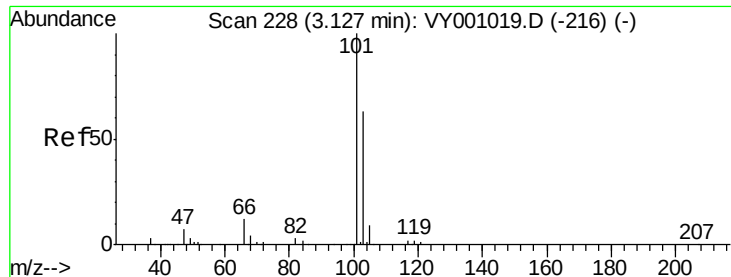
66 30.6 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



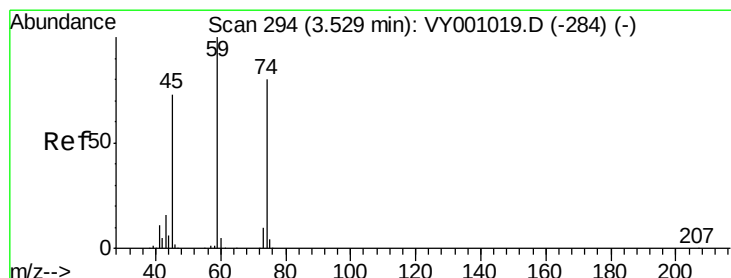
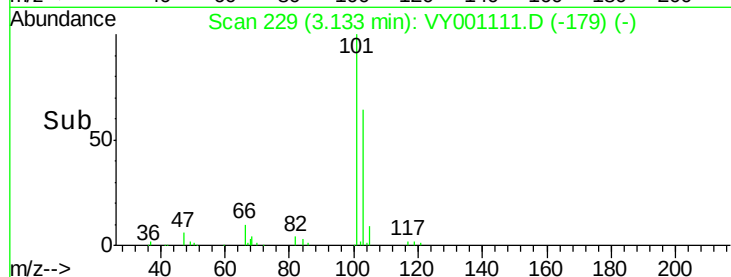
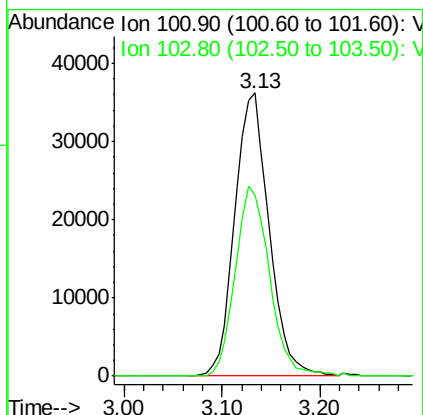
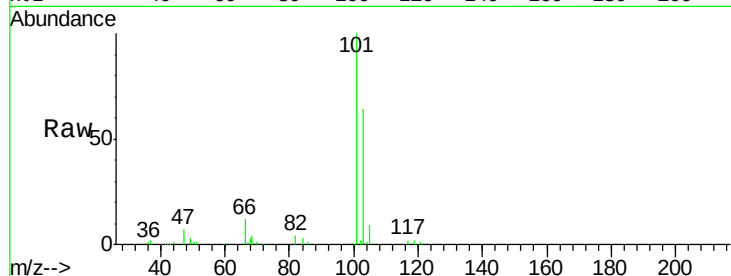


#7

Trichlorofluoromethane
 Concen: 38.010 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Instrument :
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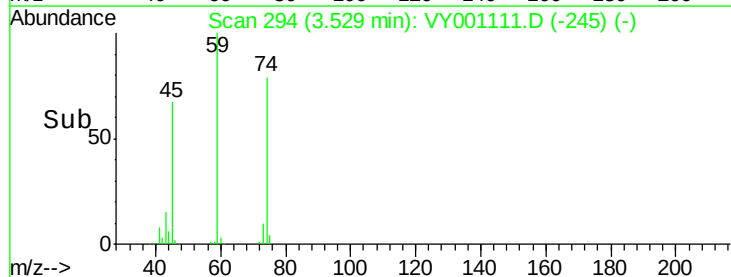
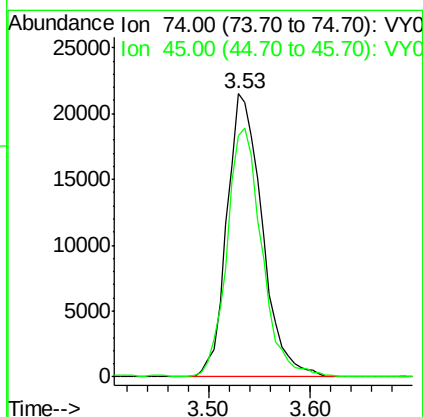
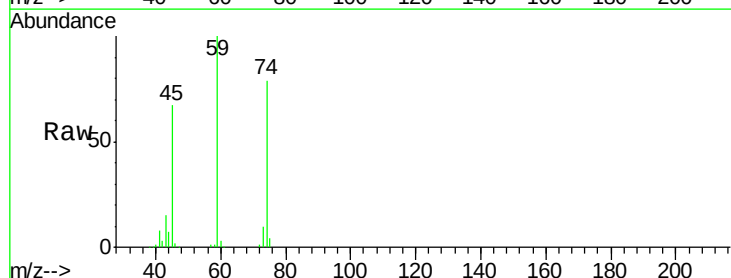
Tgt Ion:101 Resp: 88537
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.2

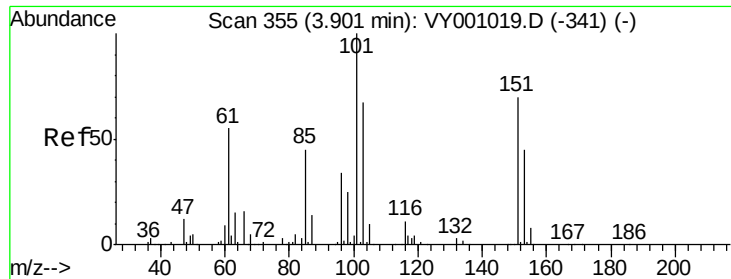


#8

Diethyl Ether
 Concen: 54.195 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 74 Resp: 51529
 Ion Ratio Lower Upper
 74 100
 45 86.6 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.820 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

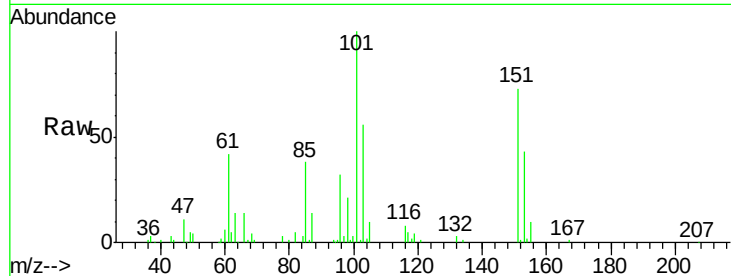
Tgt Ion:101 Resp: 70107

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

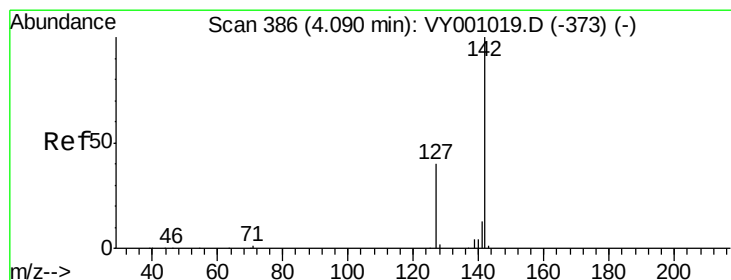
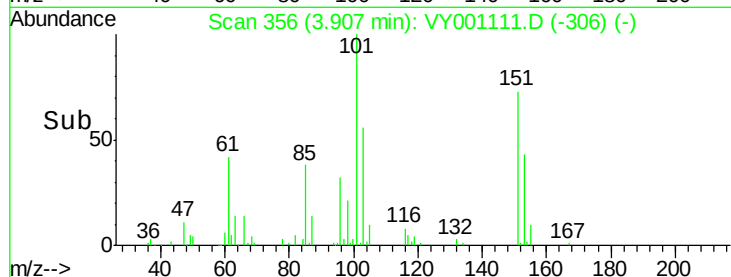
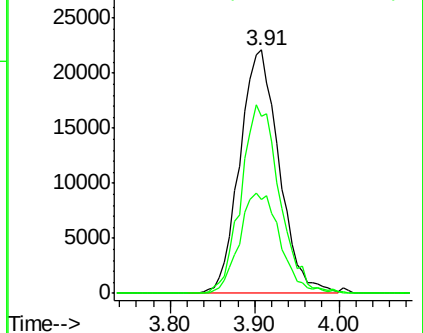
151 76.5 57.0 85.6



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: 46.474 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

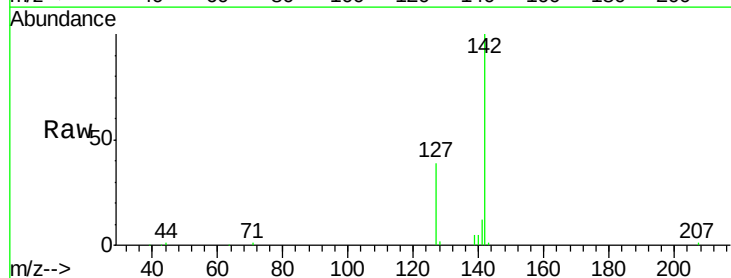
Tgt Ion:142 Resp: 98246

Ion Ratio Lower Upper

142 100

127 39.0 31.2 46.8

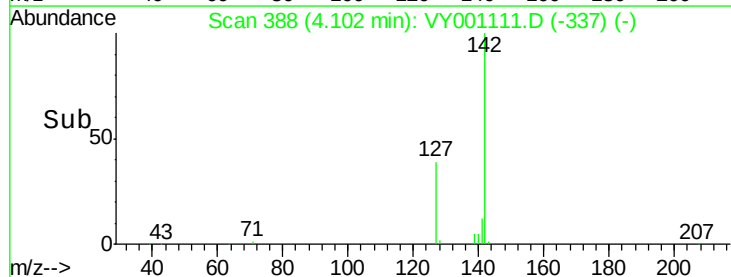
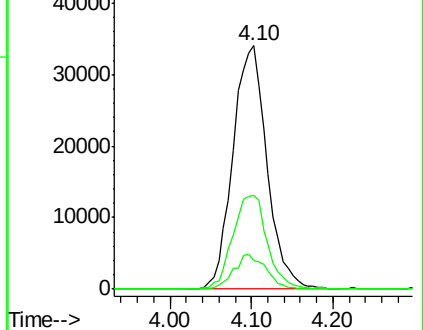
141 13.7 11.0 16.4

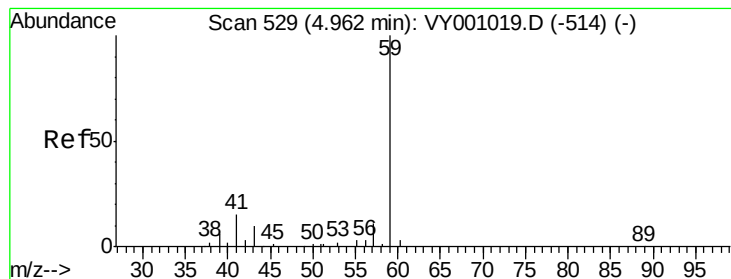


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



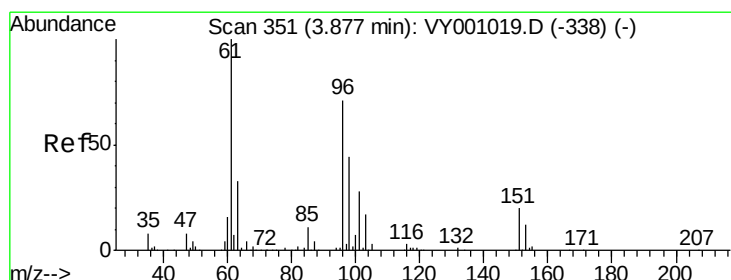
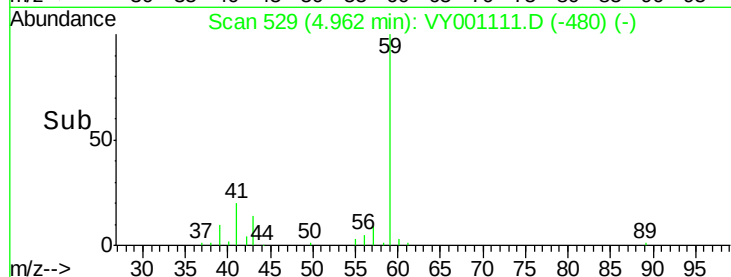
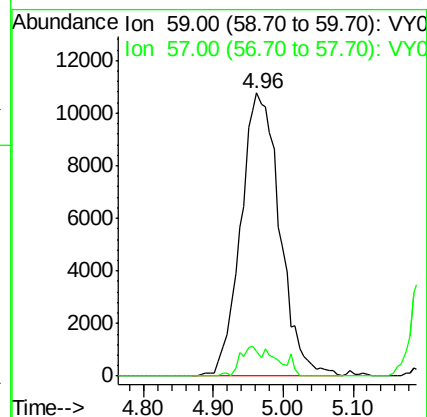
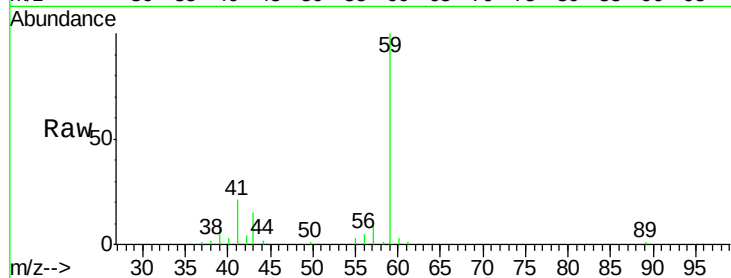


#11

Tert butyl alcohol
 Concen: 278.264 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

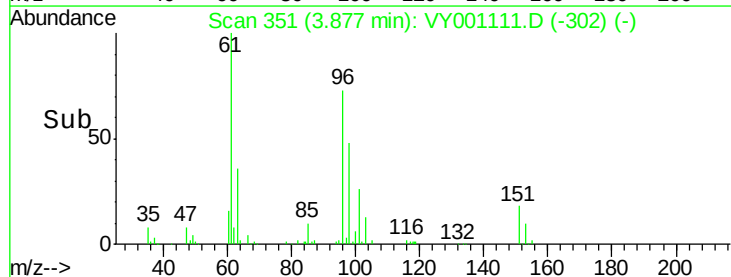
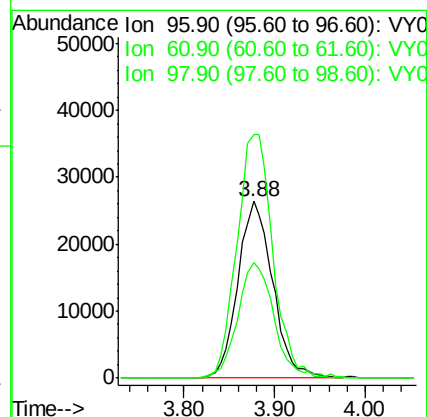
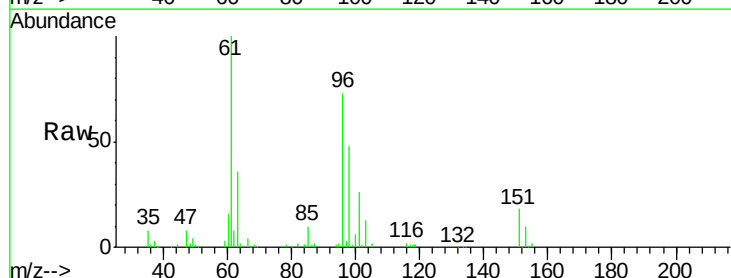
Tgt Ion: 59 Resp: 41609
 Ion Ratio Lower Upper
 59 100
 57 5.3 7.8 11.6#

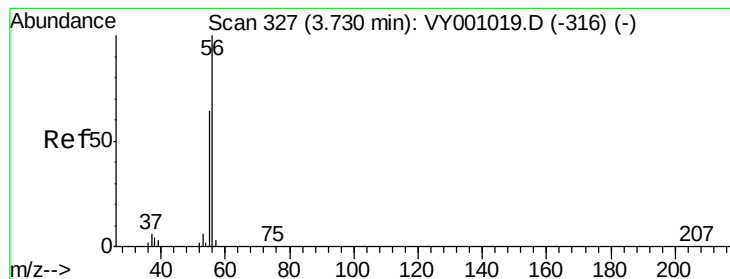


#12

1,1-Dichloroethene
 Concen: 45.463 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 96 Resp: 70425
 Ion Ratio Lower Upper
 96 100
 61 137.4 113.0 169.4
 98 65.4 49.8 74.8





#13

Acrolein

Concen: 57.596 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

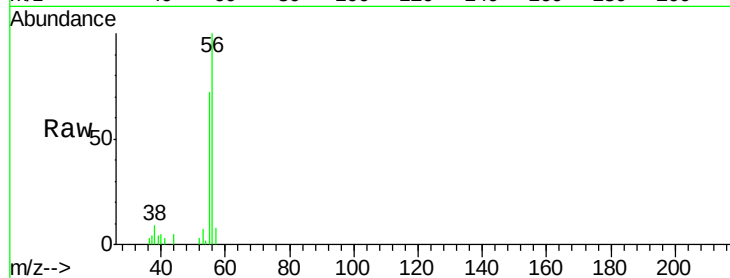
DUNR-BF001-01MSD

Tgt Ion: 56 Resp: 10671

Ion Ratio Lower Upper

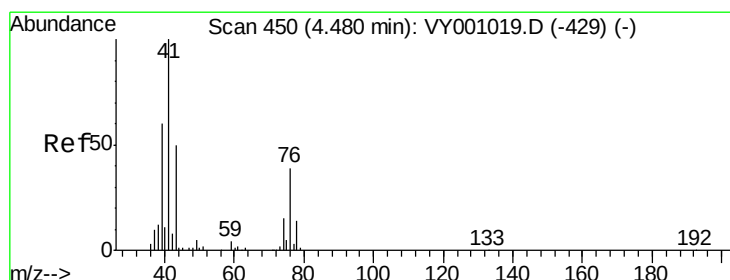
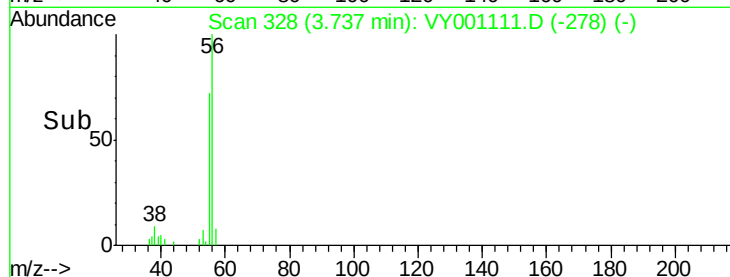
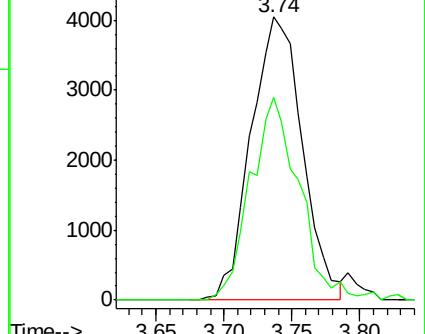
56 100

55 67.7 55.6 83.4



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 45.086 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

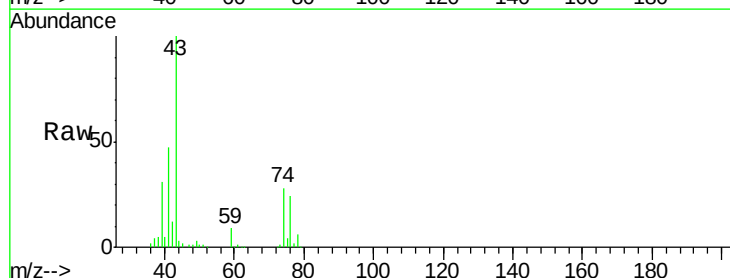
Tgt Ion: 41 Resp: 108496

Ion Ratio Lower Upper

41 100

39 57.7 46.0 69.0

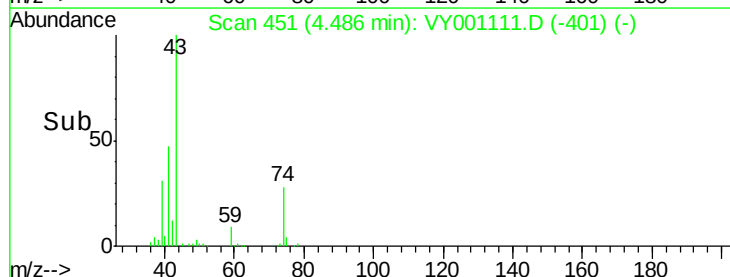
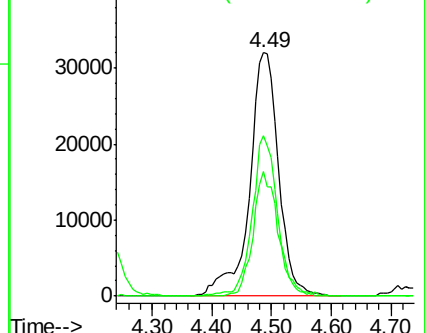
76 43.7 32.6 48.8

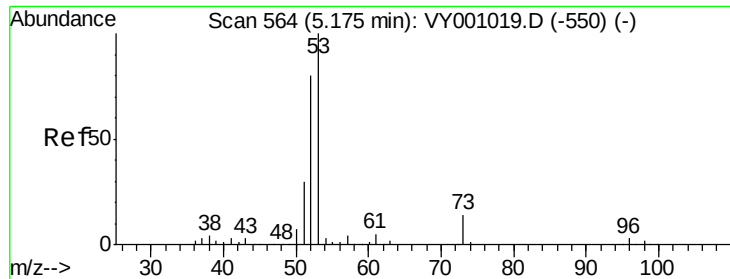


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 281.300 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

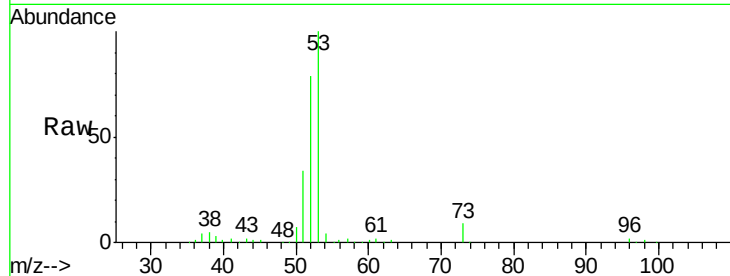
Tgt Ion: 53 Resp: 133671

Ion Ratio Lower Upper

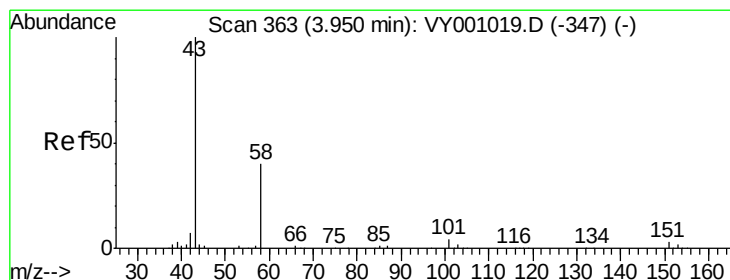
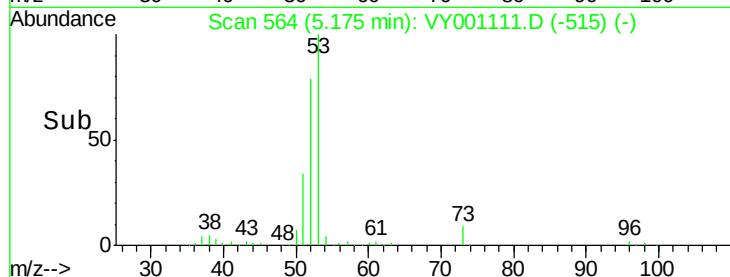
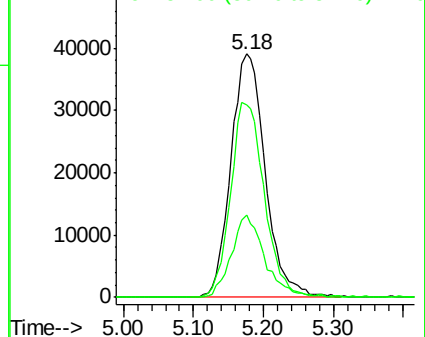
53 100

52 78.3 63.6 95.4

51 32.5 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: 281.919 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001111.D

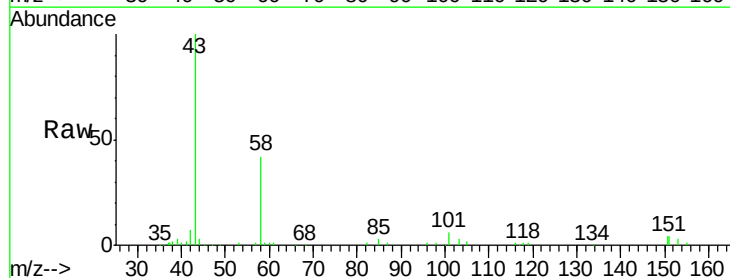
Acq: 27 Dec 2019 20:07

Tgt Ion: 43 Resp: 88324

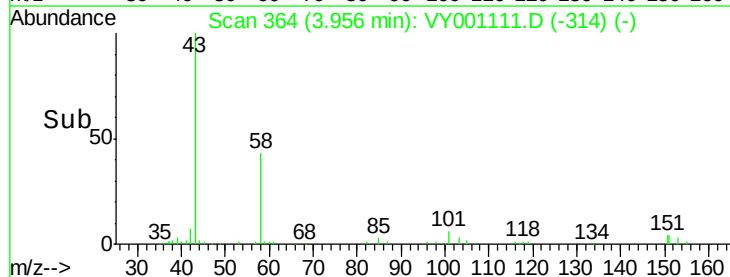
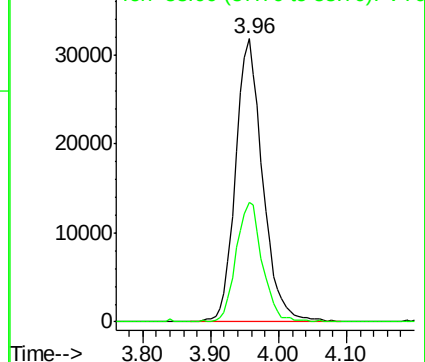
Ion Ratio Lower Upper

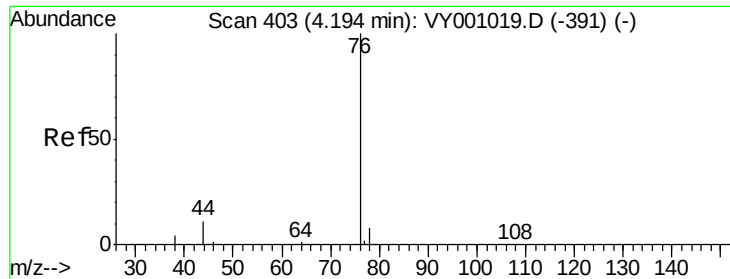
43 100

58 42.3 32.1 48.1



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

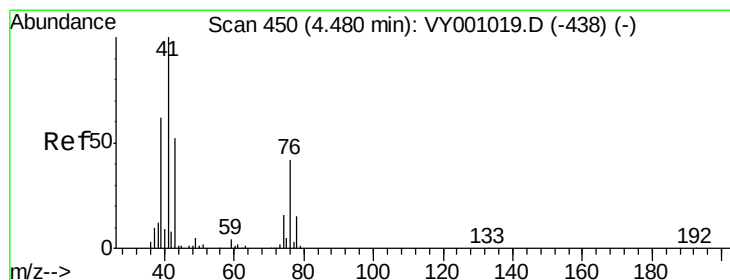
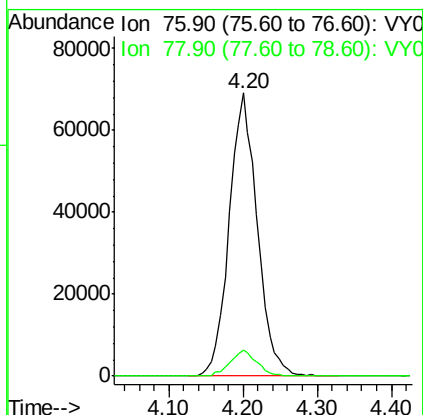
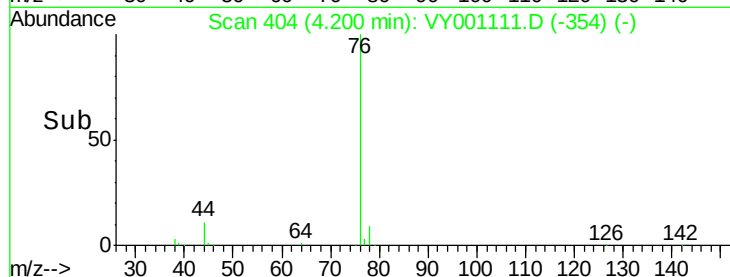
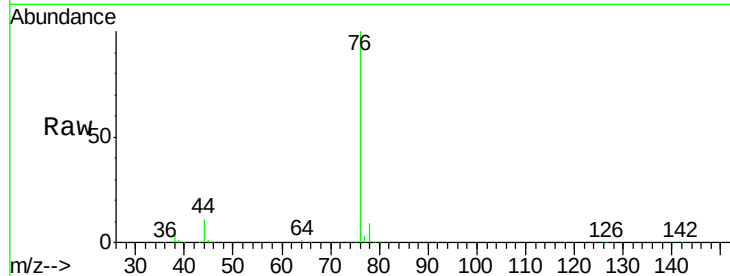




#17
Carbon Disulfide
Concen: 36.061 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

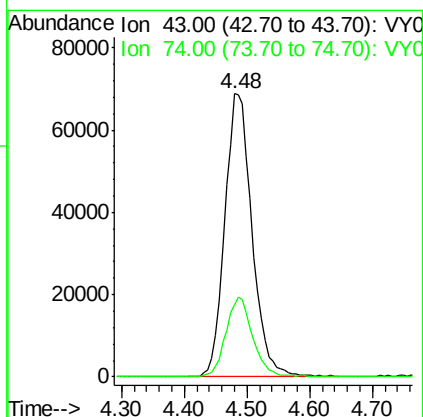
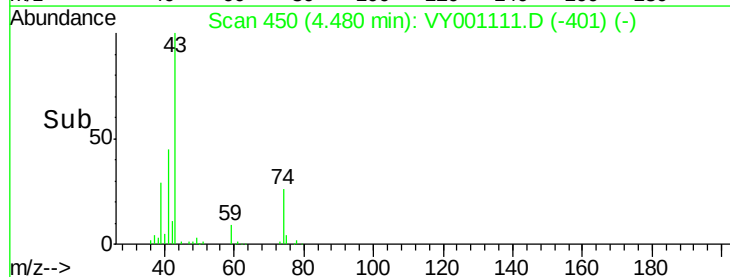
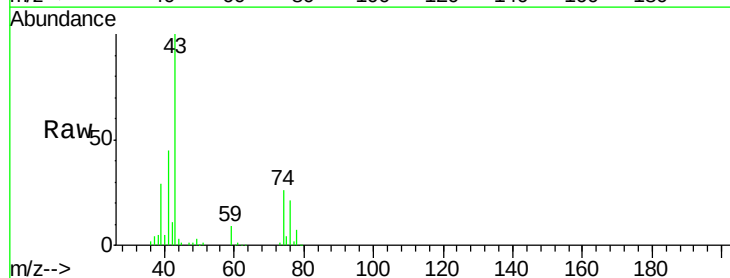
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

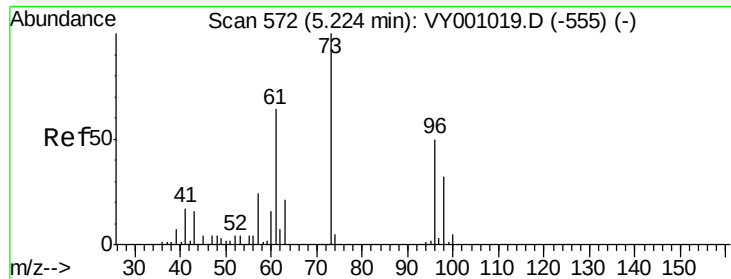
Tgt Ion: 76 Resp: 182537
Ion Ratio Lower Upper
76 100
78 9.4 6.7 10.1



#18
Methyl Acetate
Concen: 172.112 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 43 Resp: 206875
Ion Ratio Lower Upper
43 100
74 27.4 20.7 31.1

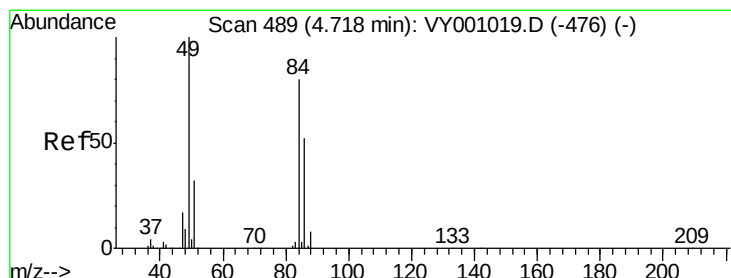
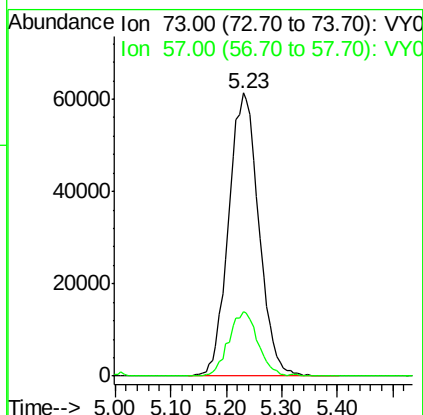
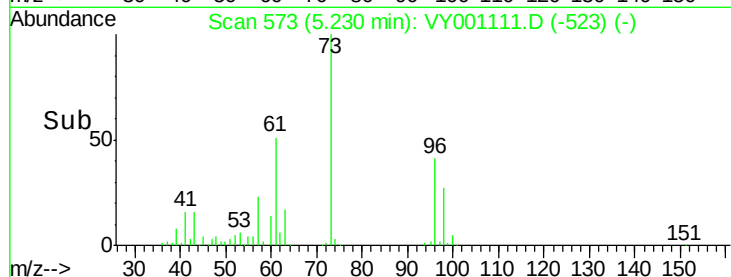
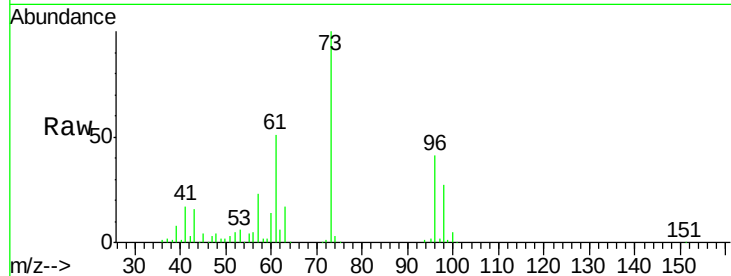




#19
Methyl tert-butyl Ether
Concen: 57.727 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

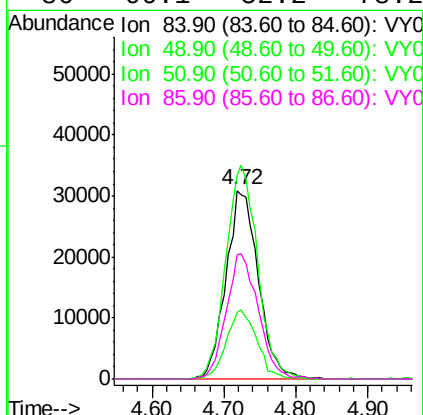
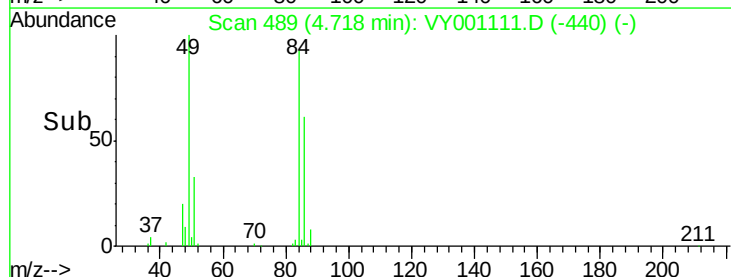
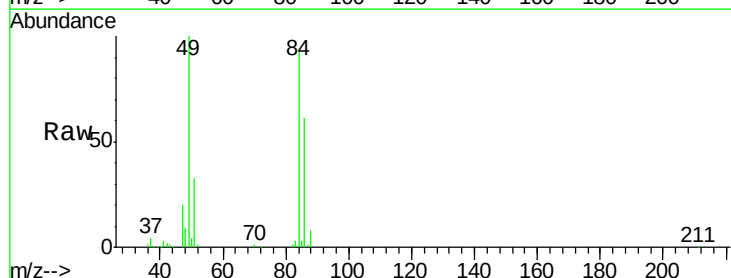
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

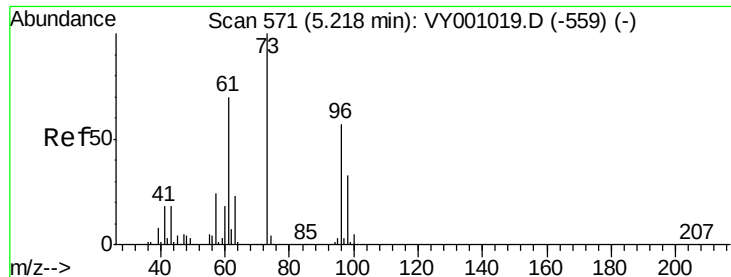
Tgt Ion: 73 Resp: 230798
Ion Ratio Lower Upper
73 100
57 22.6 19.0 28.6



#20
Methylene Chloride
Concen: 52.276 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 84 Resp: 96401
Ion Ratio Lower Upper
84 100
49 108.0 99.8 149.6
51 35.3 31.4 47.2
86 66.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.523 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

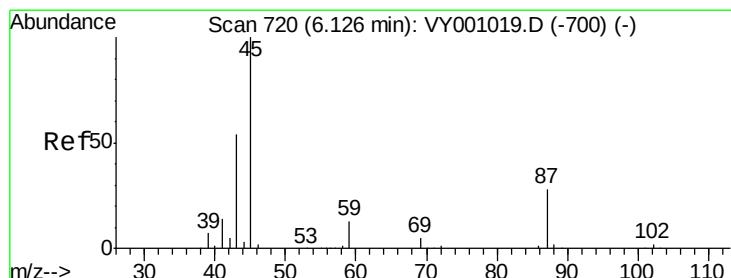
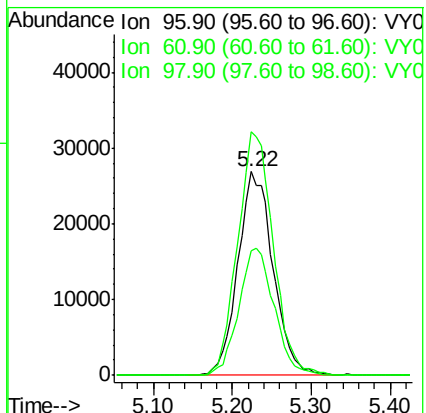
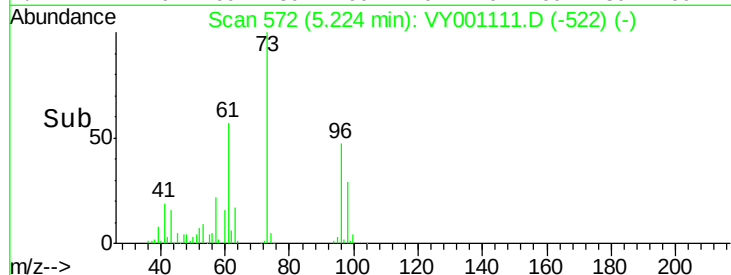
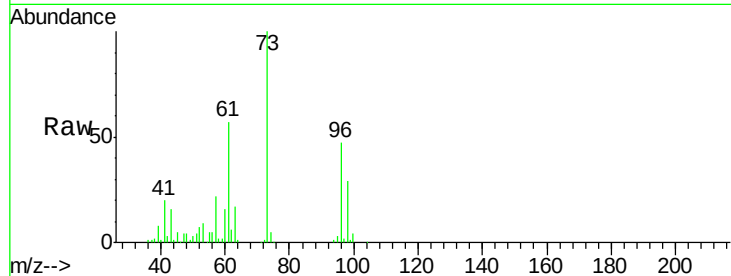
Tgt Ion: 96 Resp: 83302

Ion Ratio Lower Upper

96 100

61 119.5 98.1 147.1

98 61.3 47.2 70.8



#22

Diisopropyl ether

Concen: 52.216 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Tgt Ion: 45 Resp: 253982

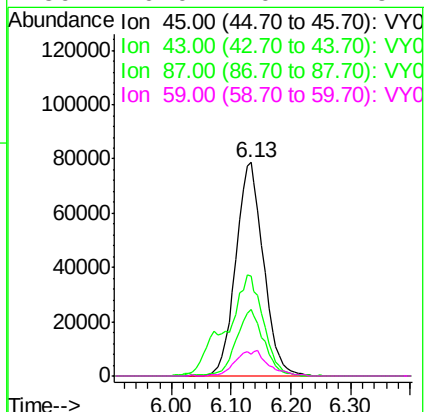
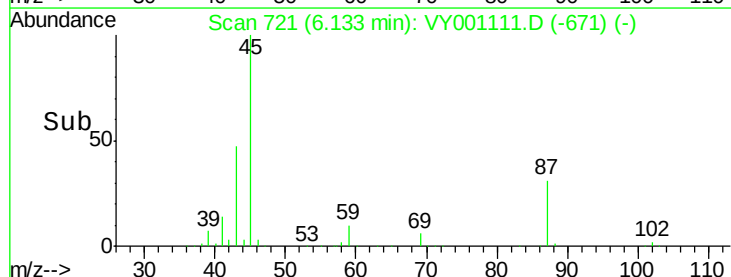
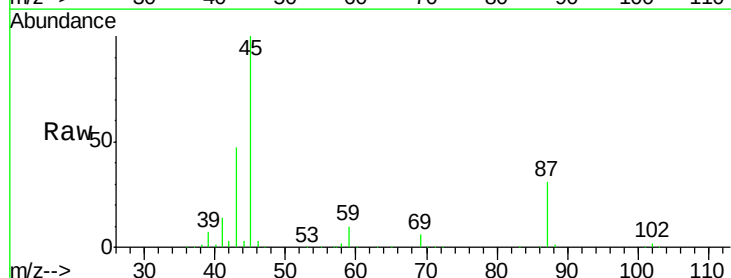
Ion Ratio Lower Upper

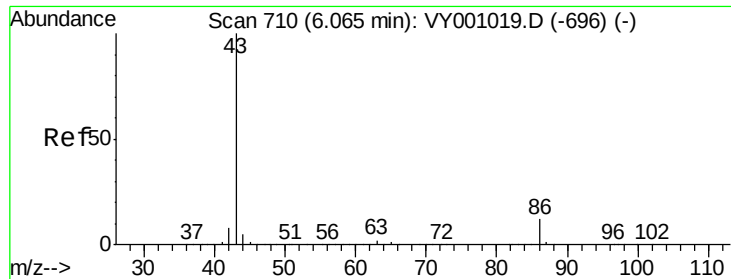
45 100

43 46.6 43.6 65.4

87 31.3 23.1 34.7

59 10.0 10.2 15.4#





#23

Vinyl Acetate

Concen: 52.393 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.06 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

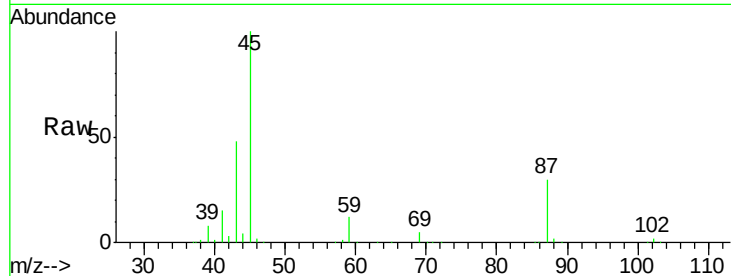
DUNR-BF001-01MSD

Tgt Ion: 43 Resp: 160944

Ion Ratio Lower Upper

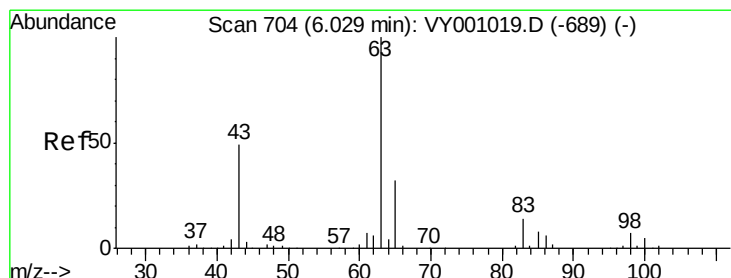
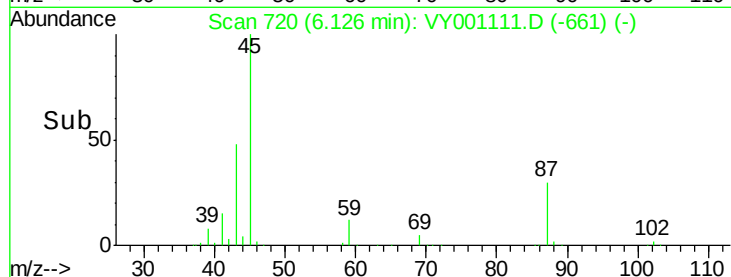
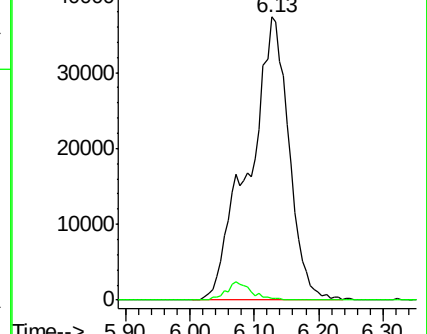
43 100

86 0.5 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: 50.370 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

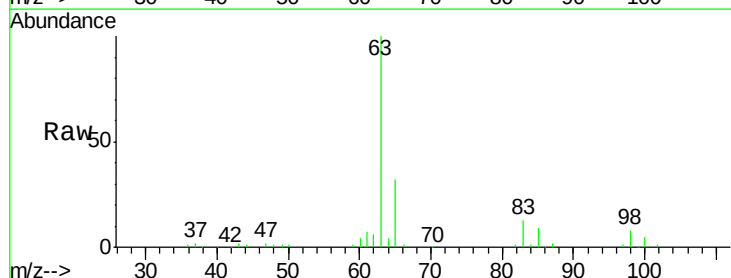
Tgt Ion: 63 Resp: 144785

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

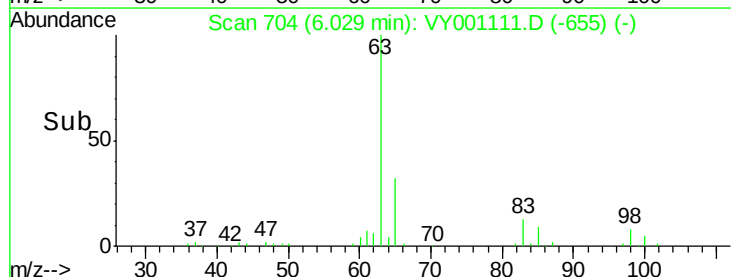
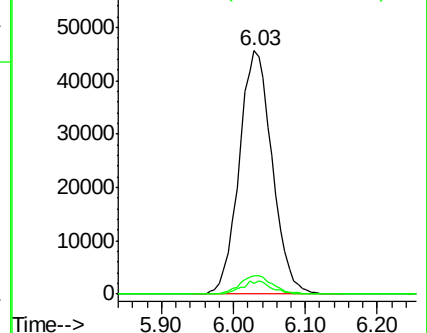
100 4.6 2.5 7.5

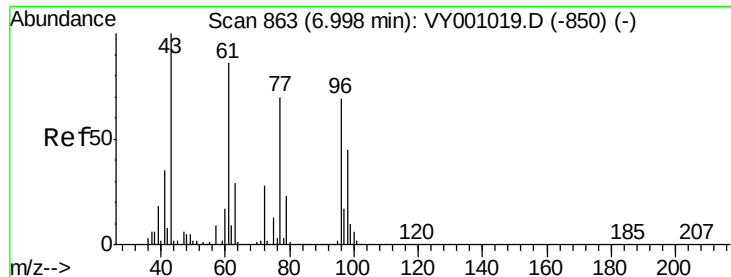


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 276.125 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

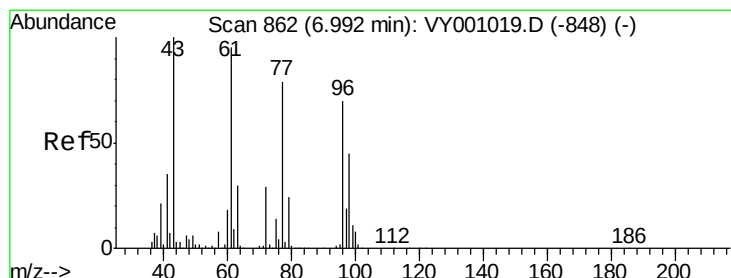
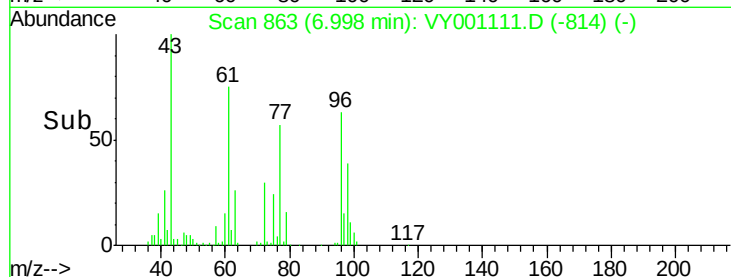
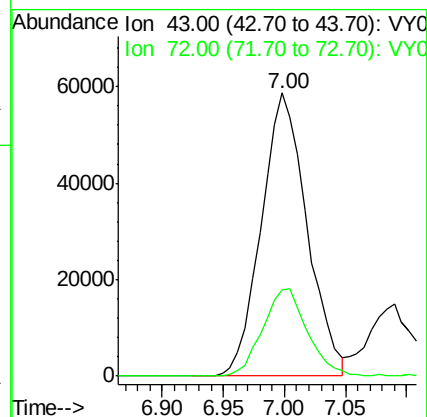
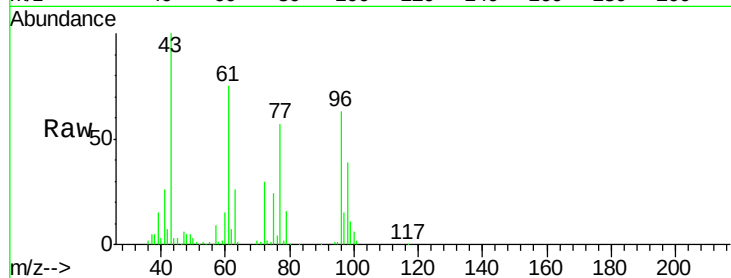
DUNR-BF001-01MSD

Tgt Ion: 43 Resp: 151974

Ion Ratio Lower Upper

43 100

72 30.5 22.4 33.6



#26

2,2-Dichloropropane

Concen: 44.887 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001111.D

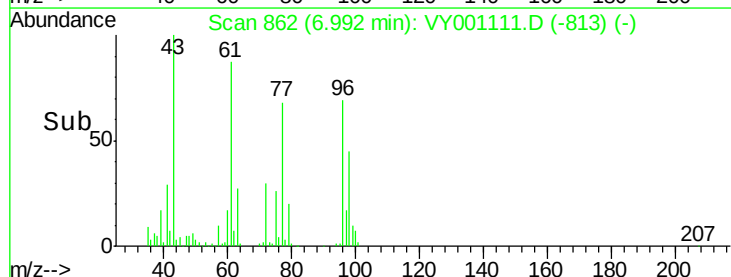
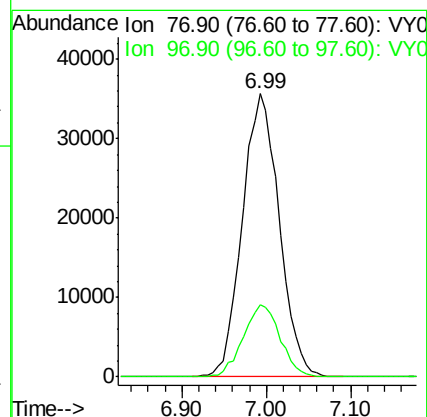
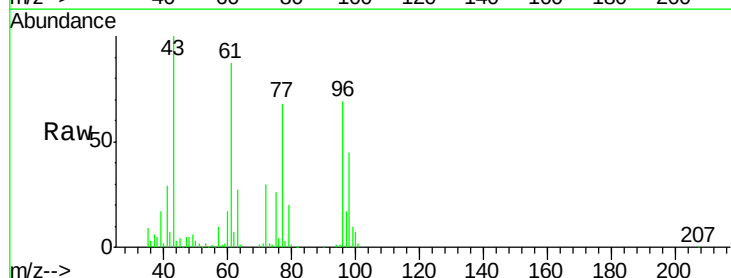
Acq: 27 Dec 2019 20:07

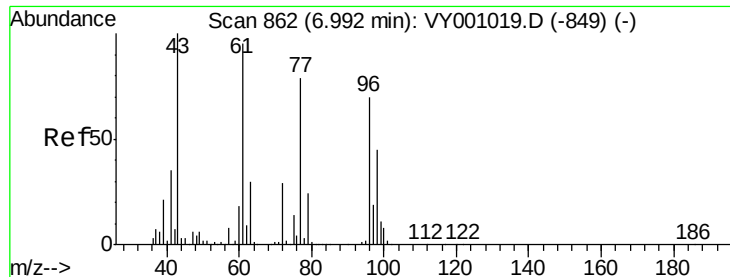
Tgt Ion: 77 Resp: 106004

Ion Ratio Lower Upper

77 100

97 25.4 12.0 36.1



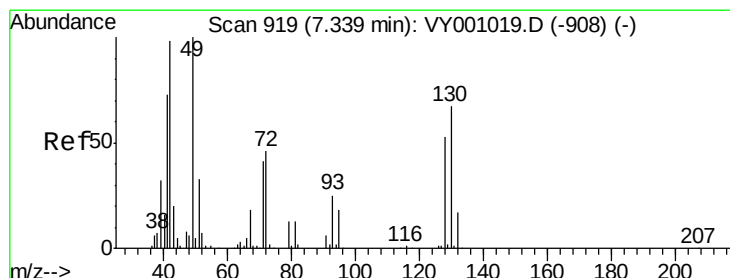
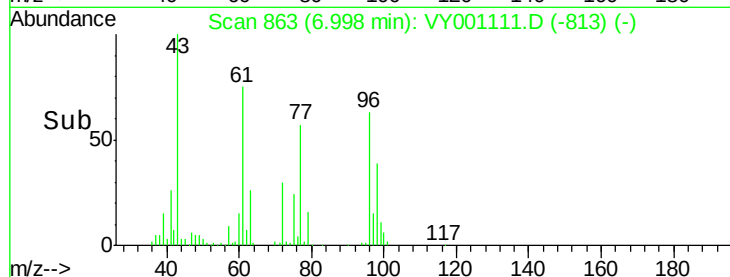
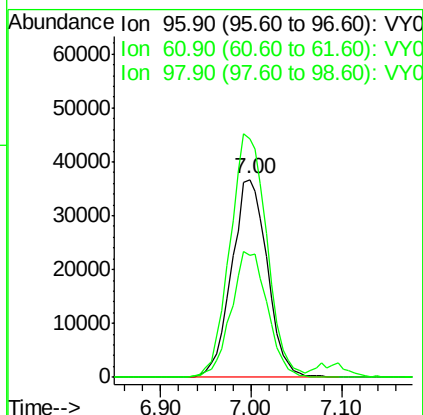
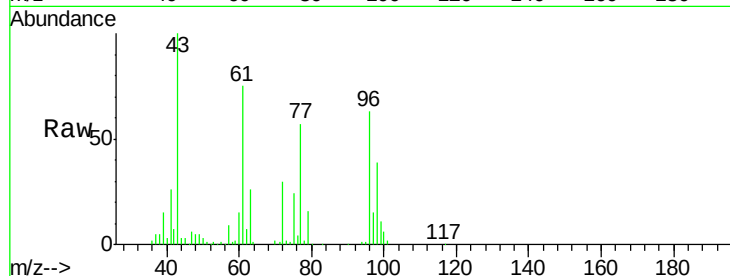


#27

cis-1,2-Dichloroethene
 Concen: 53.098 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

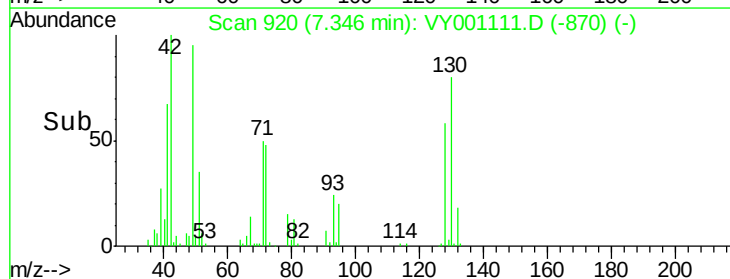
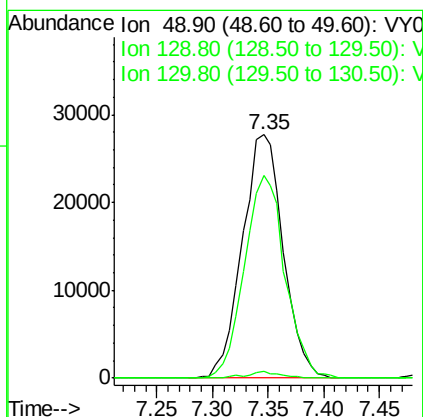
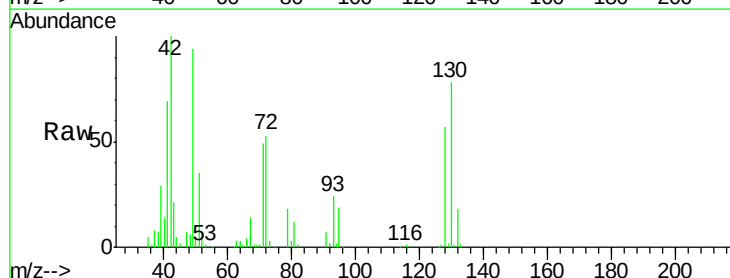
Tgt Ion: 96 Resp: 100147
 Ion Ratio Lower Upper
 96 100
 61 126.9 0.0 268.2
 98 64.7 0.0 129.2

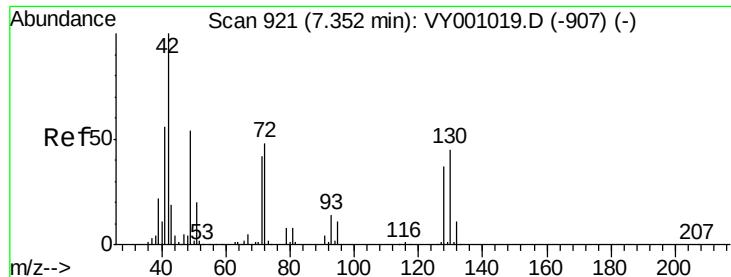


#28

Bromochloromethane
 Concen: 63.155 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 49 Resp: 70830
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 82.7 60.4 90.6

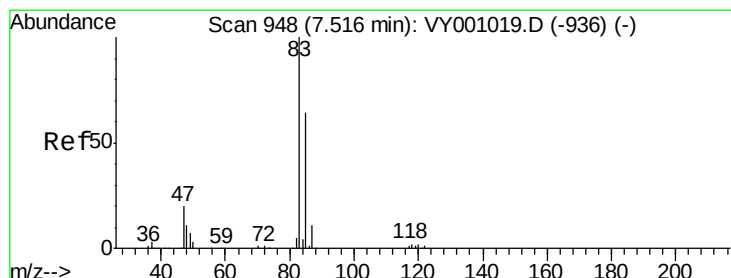
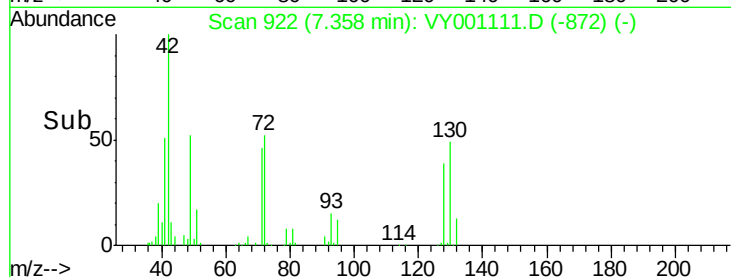
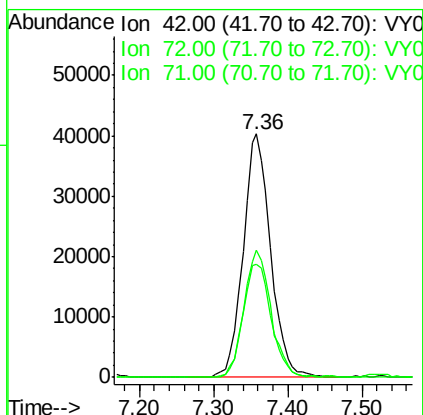
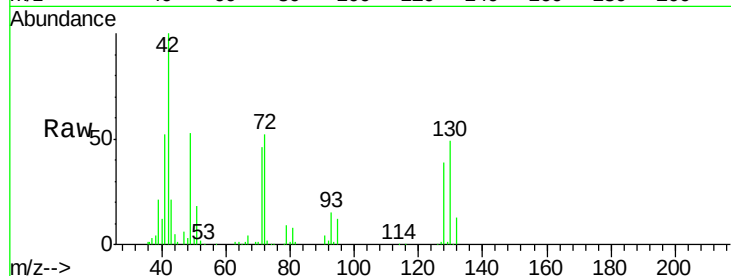




#29
Tetrahydrofuran
Concen: 265.773 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

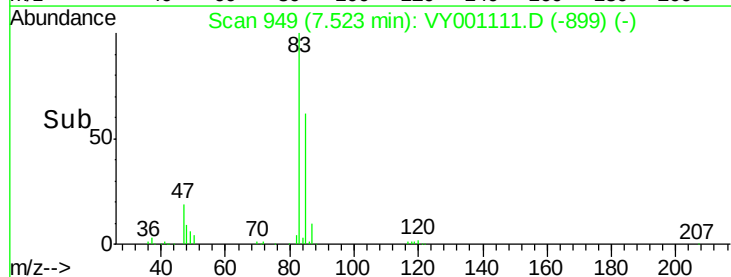
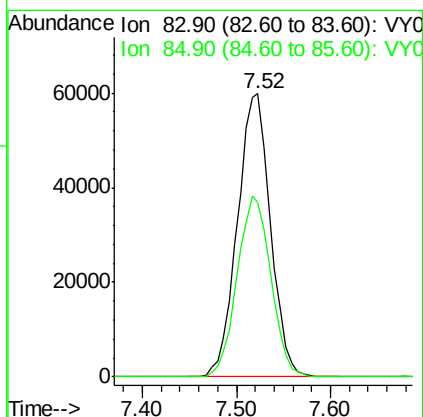
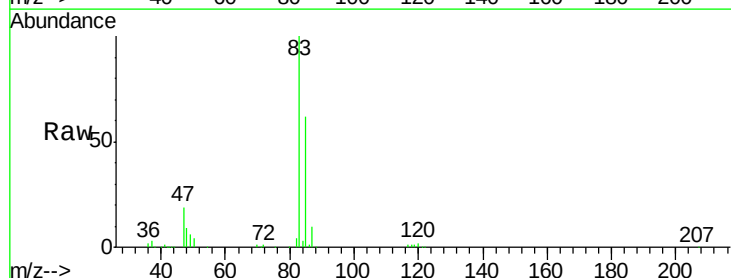
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

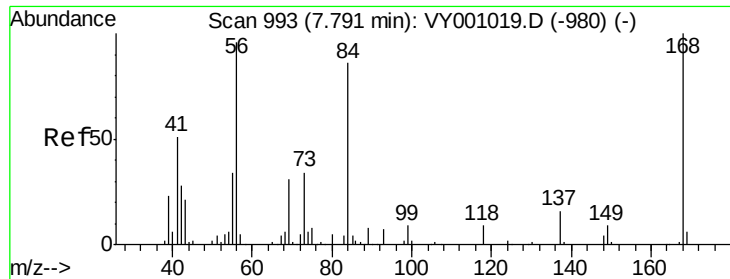
Tgt Ion: 42 Resp: 104050
Ion Ratio Lower Upper
42 100
72 51.7 37.7 56.5
71 48.1 34.6 51.8



#30
Chloroform
Concen: 53.953 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 83 Resp: 146646
Ion Ratio Lower Upper
83 100
85 61.8 51.6 77.4

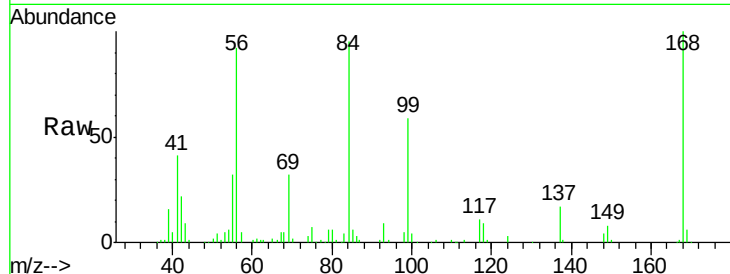




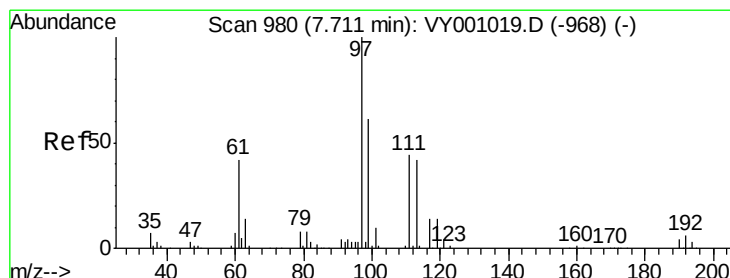
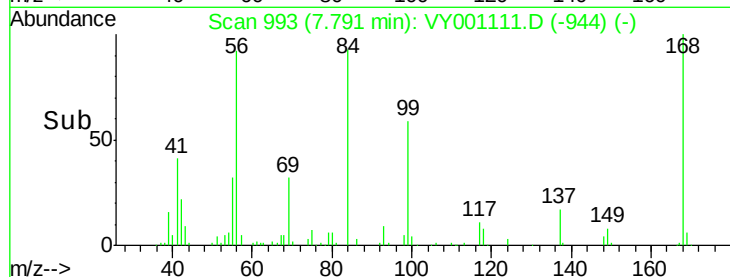
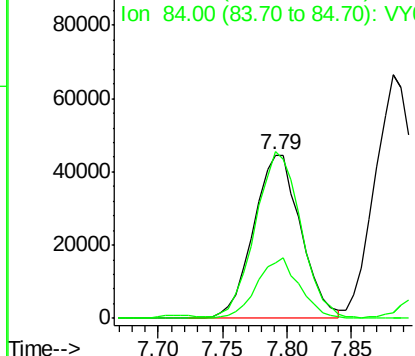
#31
Cyclohexane
Concen: 37.599 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion: 56 Resp: 113646
Ion Ratio Lower Upper
56 100
69 33.8 26.1 39.1
84 101.0 71.8 107.8

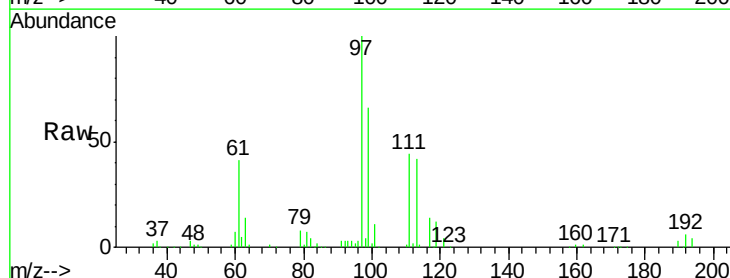


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

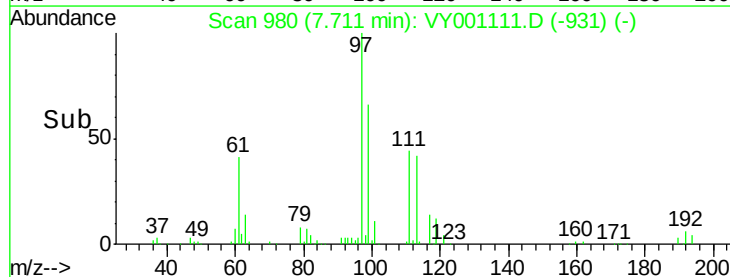
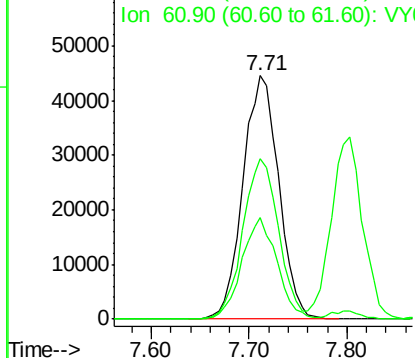


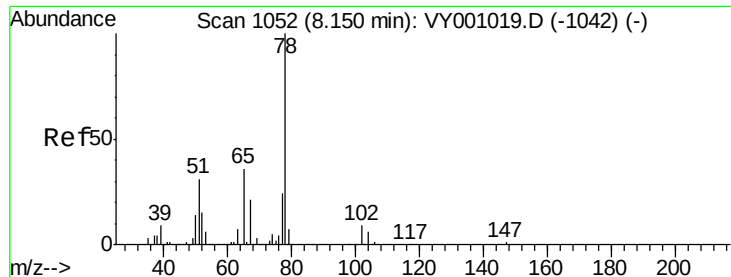
#32
1,1,1-Trichloroethane
Concen: 48.869 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 97 Resp: 113306
Ion Ratio Lower Upper
97 100
99 66.0 50.6 76.0
61 40.9 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

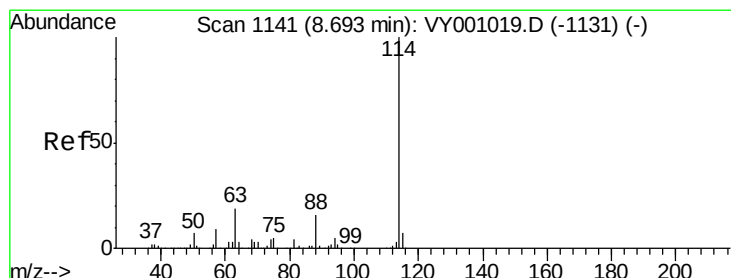
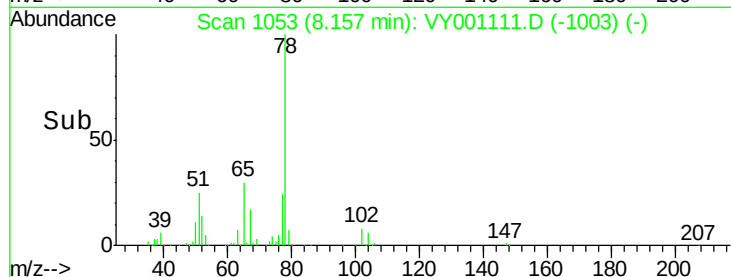
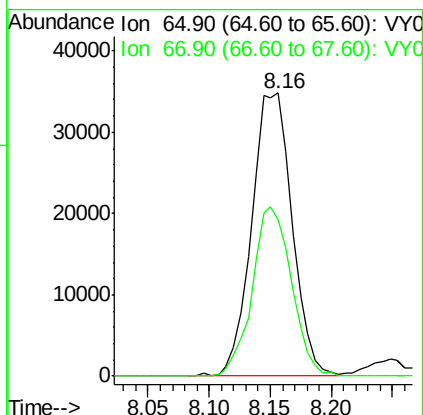
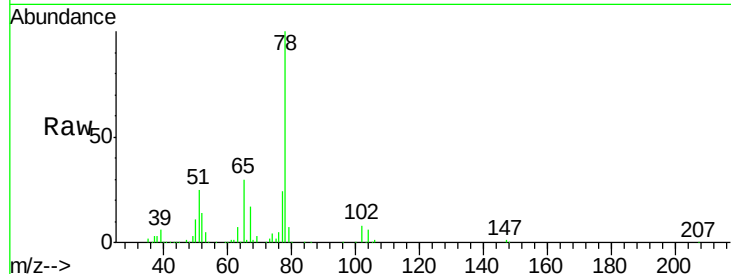




#33
 1,2-Dichloroethane-d4
 Concen: 59.071 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

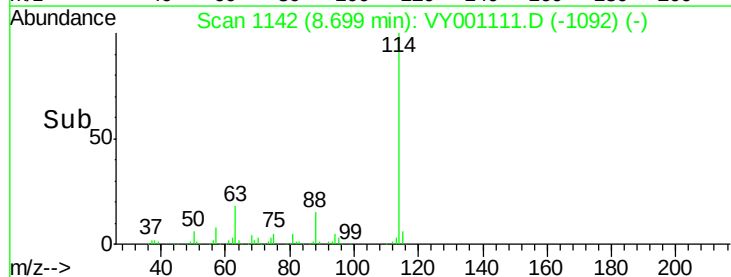
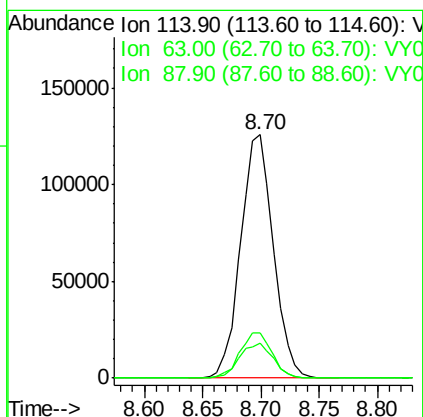
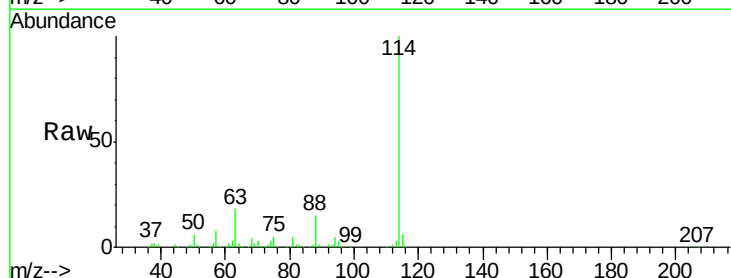
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

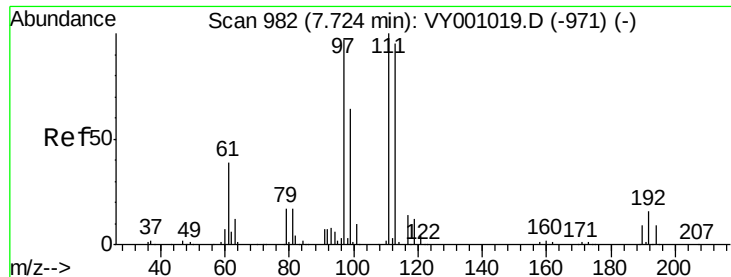
Tgt Ion: 65 Resp: 80334
 Ion Ratio Lower Upper
 65 100
 67 57.9 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 114 Resp: 246571
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 14.6 0.0 32.0

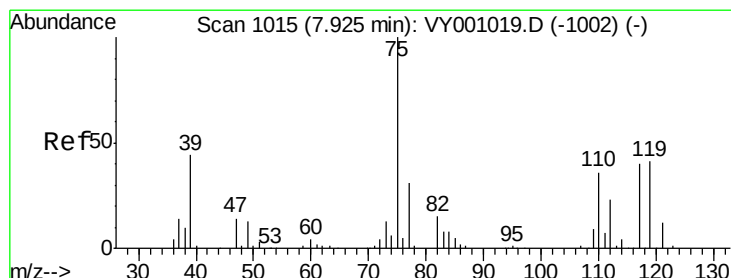
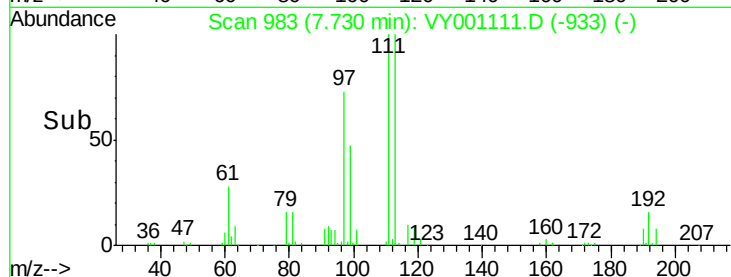
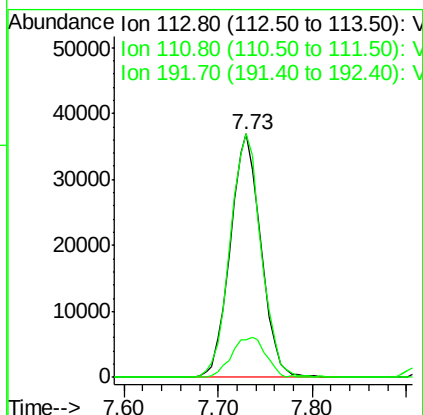
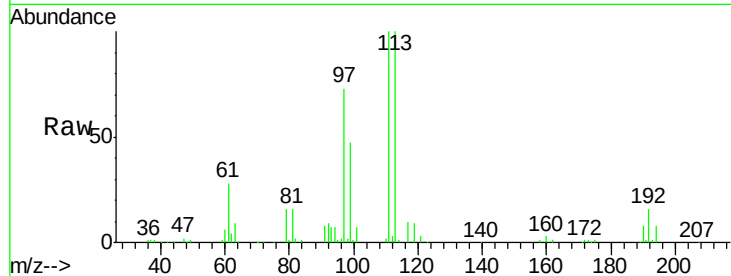




#35
 Dibromofluoromethane
 Concen: 57.237 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

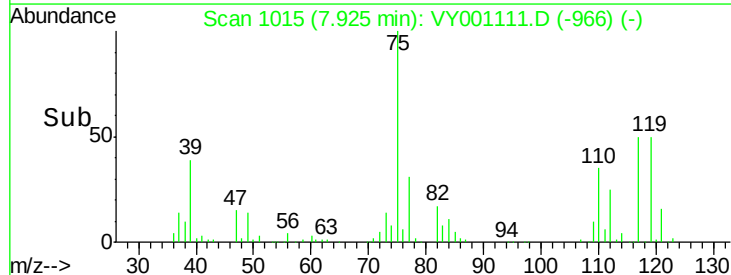
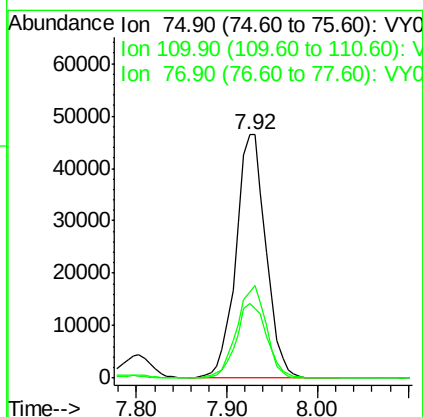
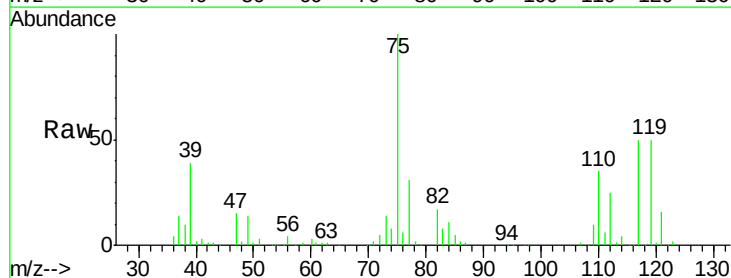
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

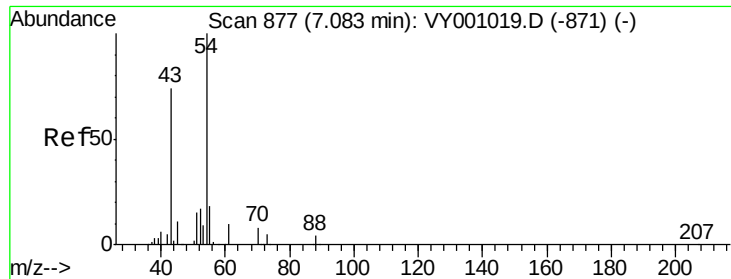
Tgt Ion: 113 Resp: 83105
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 18.4 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 45.309 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 75 Resp: 106579
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.1 54.4
 77 31.3 24.6 37.0

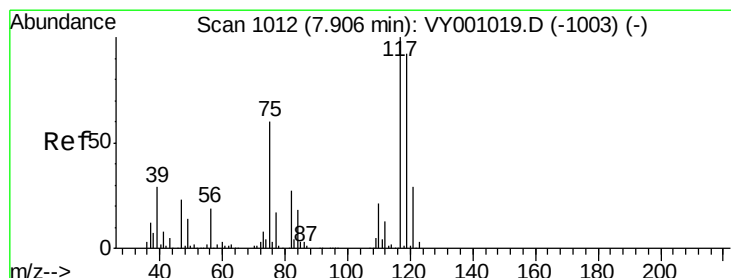
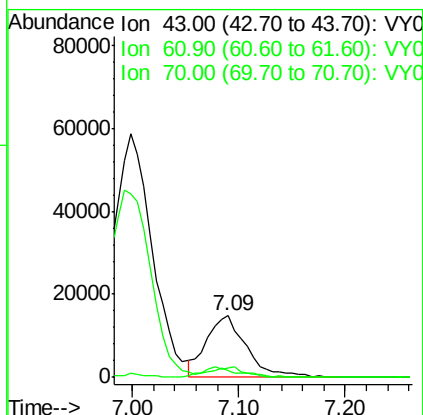
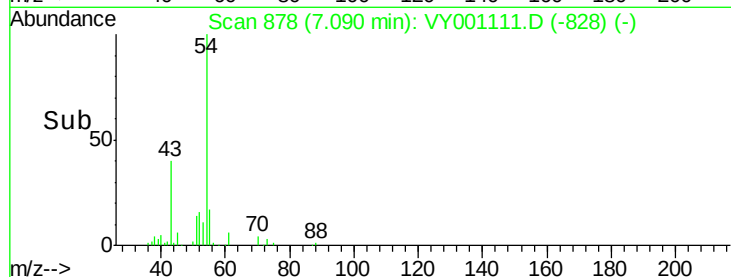
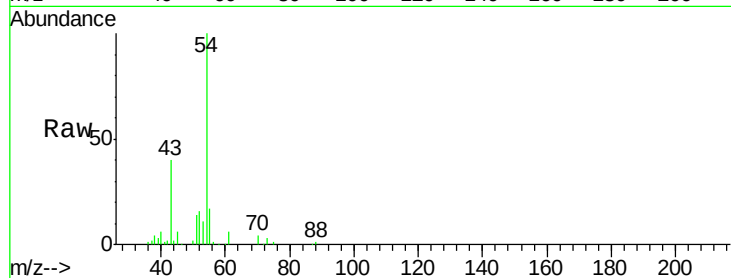




#37
Ethyl Acetate
Concen: 29.246 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

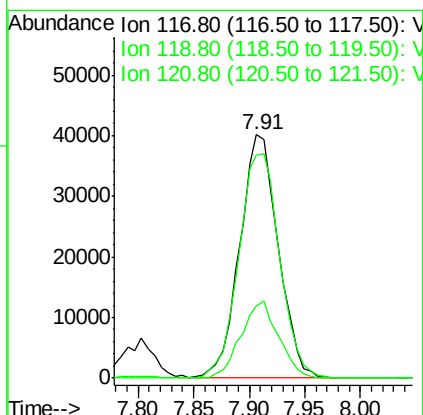
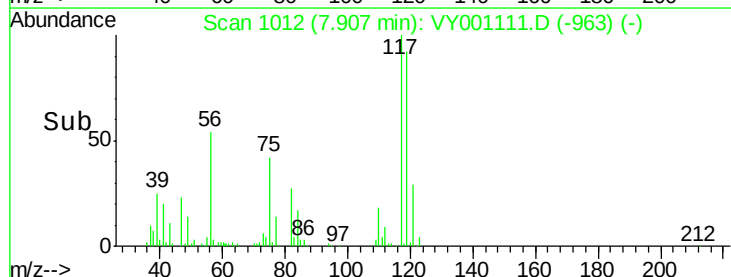
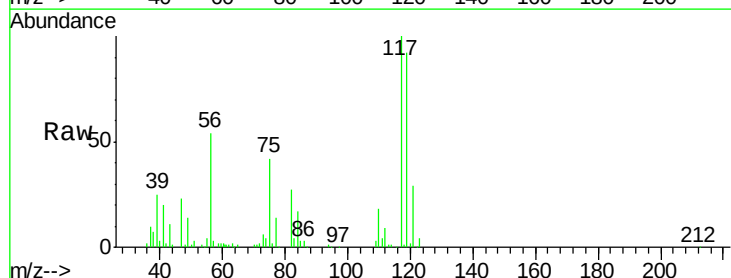
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

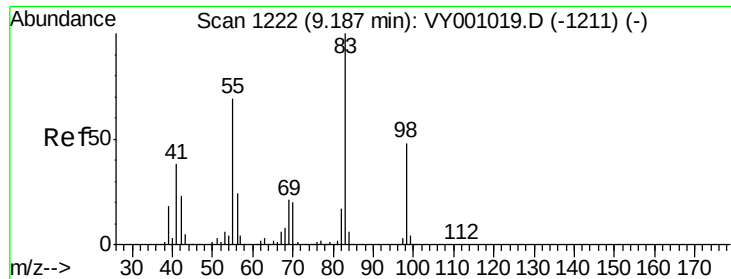
Tgt Ion: 43 Resp: 38092
Ion Ratio Lower Upper
43 100
61 0.0 12.5 18.7#
70 13.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 46.917 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 117 Resp: 96692
Ion Ratio Lower Upper
117 100
119 91.6 74.2 111.2
121 29.4 22.9 34.3

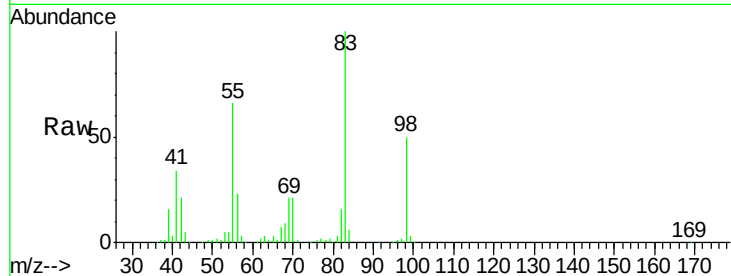




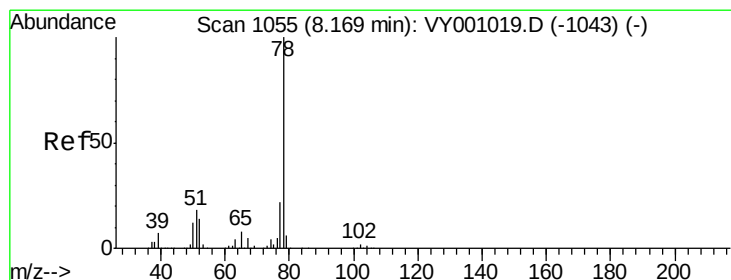
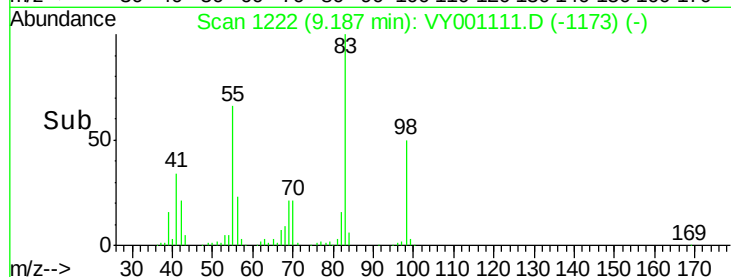
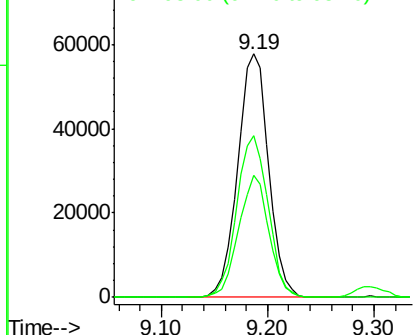
#39
Methylcyclohexane
Concen: 37.676 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion: 83 Resp: 117688
Ion Ratio Lower Upper
83 100
55 66.2 55.1 82.7
98 50.3 38.3 57.5

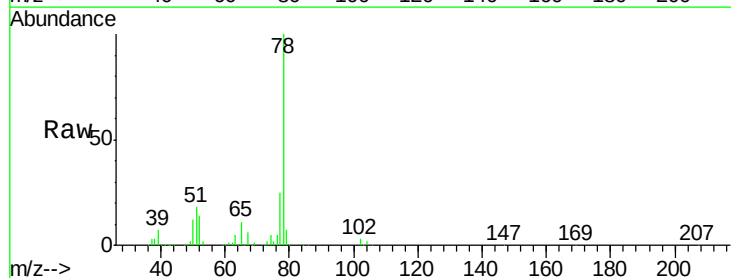


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

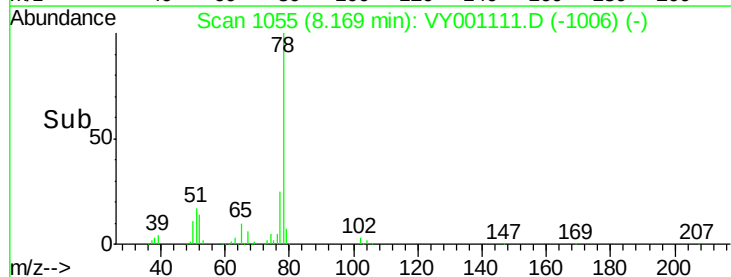
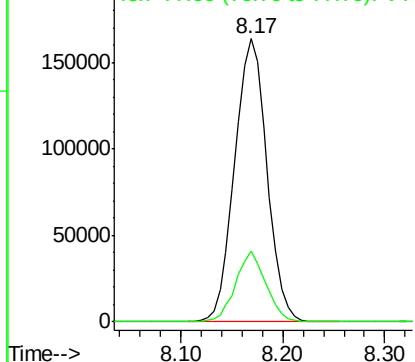


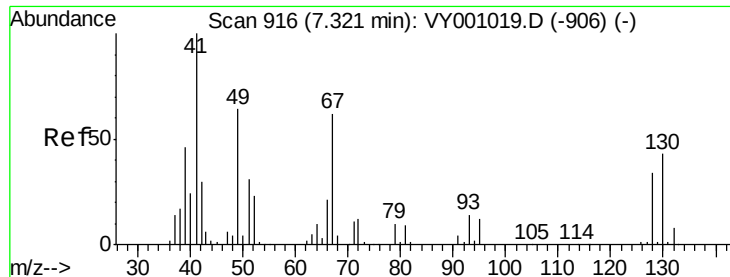
#40
Benzene
Concen: 50.654 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 78 Resp: 359464
Ion Ratio Lower Upper
78 100
77 25.1 17.7 26.5



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

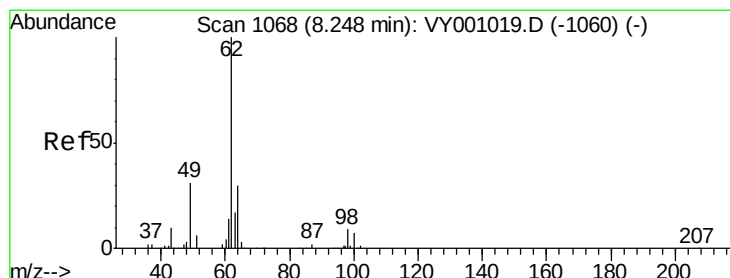
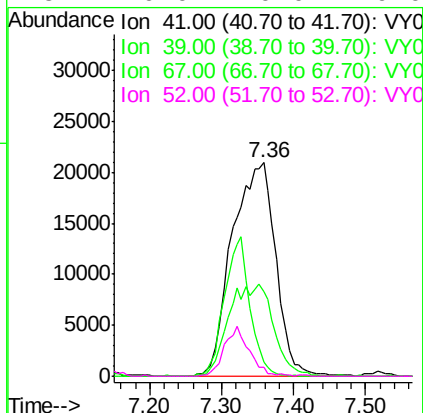
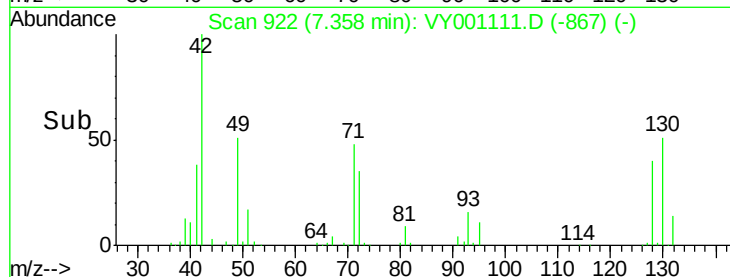
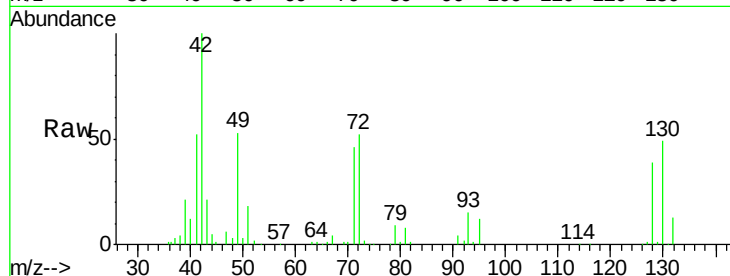




#41
Methacrylonitrile
Concen: 155.421 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.04 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

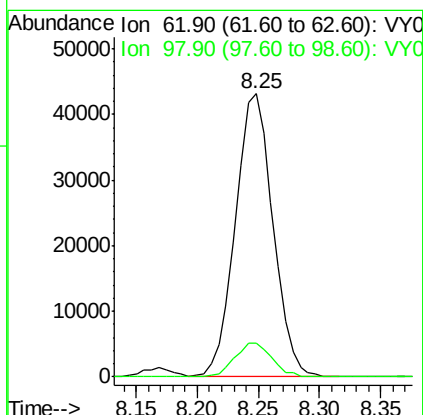
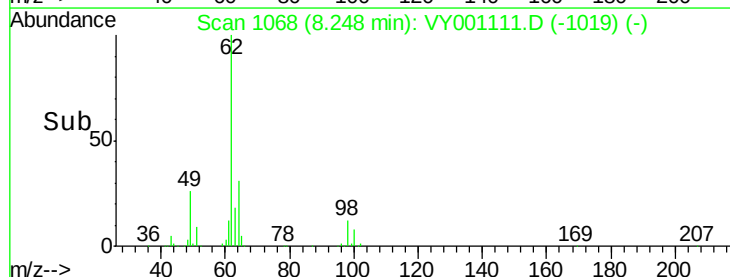
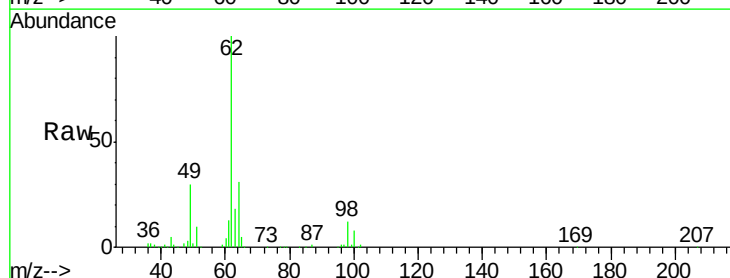
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

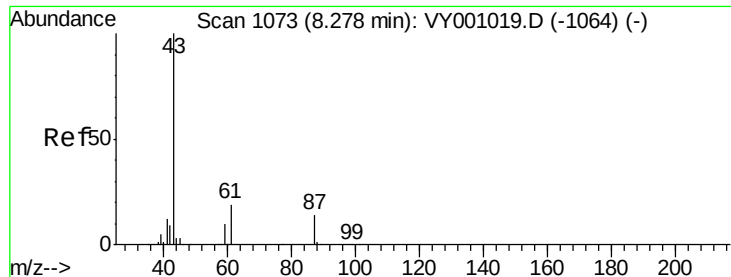
Tgt Ion:	41	Resp:	87765
Ion	Ratio	Lower	Upper
41	100		
39	44.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 54.222 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion:	62	Resp:	91995
Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	23.4





#43

Isopropyl Acetate

Concen: 37.515 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

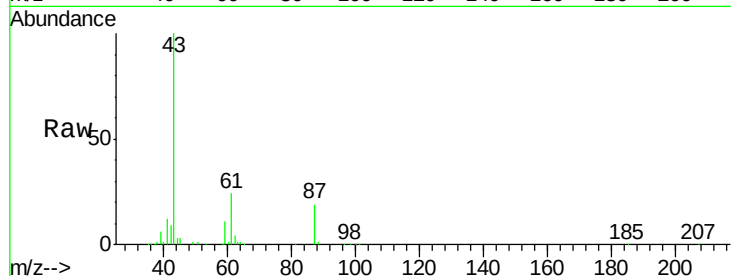
Tgt Ion: 43 Resp: 90453

Ion Ratio Lower Upper

43 100

61 38.3 25.0 37.6#

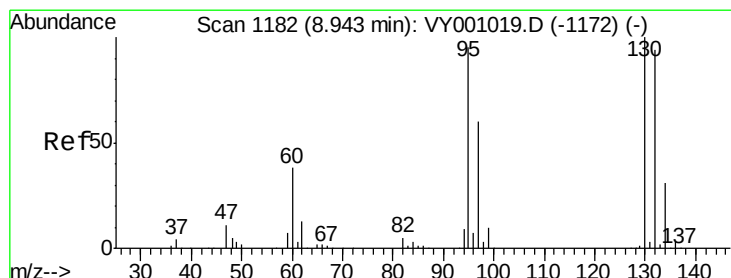
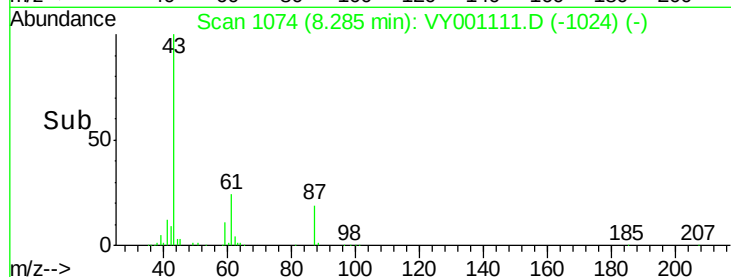
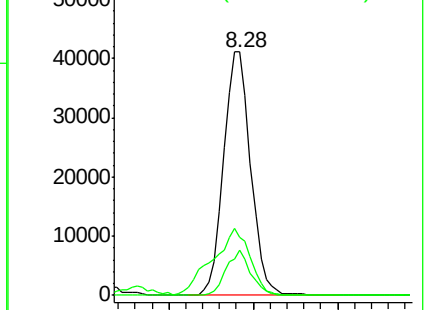
87 16.7 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 49.935 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001111.D

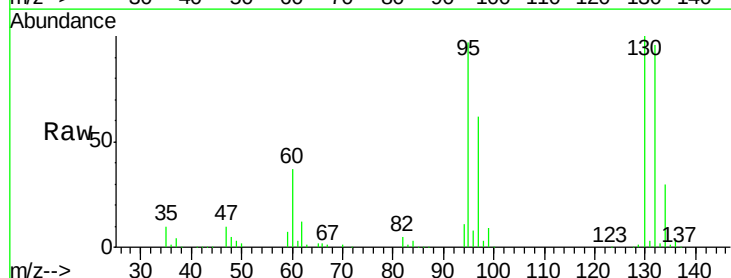
Acq: 27 Dec 2019 20:07

Tgt Ion: 130 Resp: 93368

Ion Ratio Lower Upper

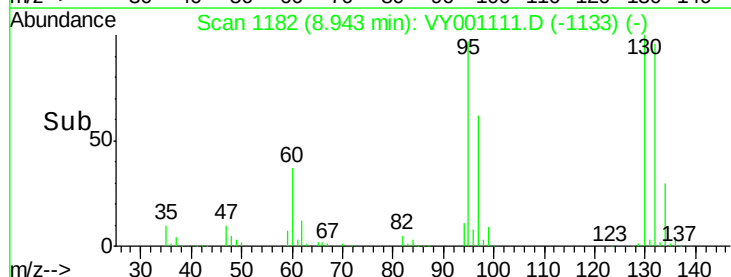
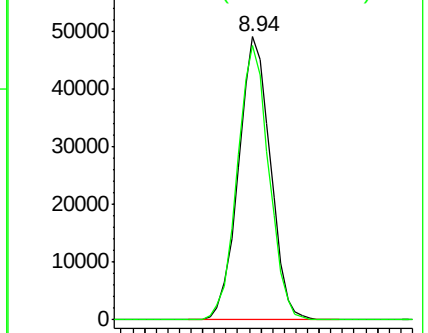
130 100

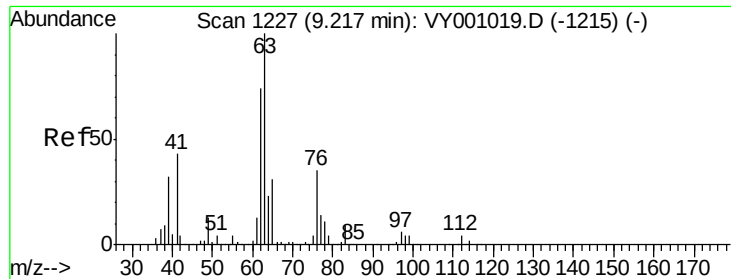
95 97.1 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)

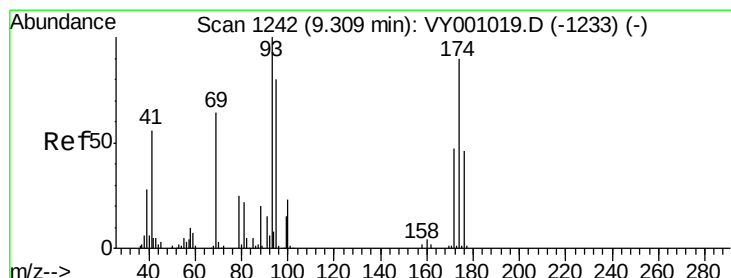
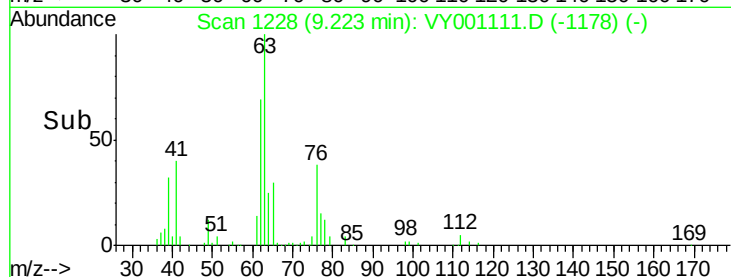
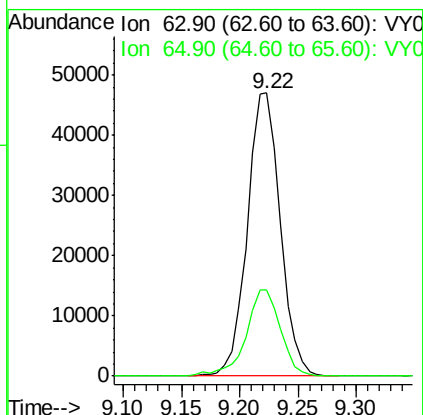
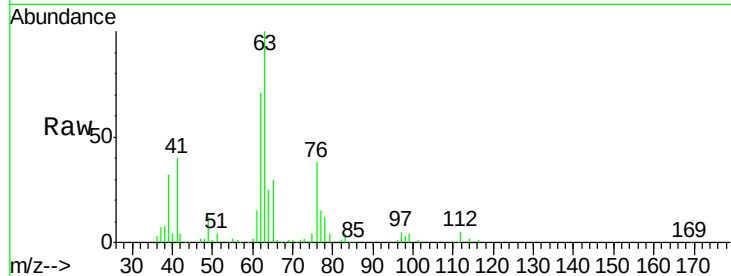




#45
 1,2-Dichloropropane
 Concen: 52.177 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

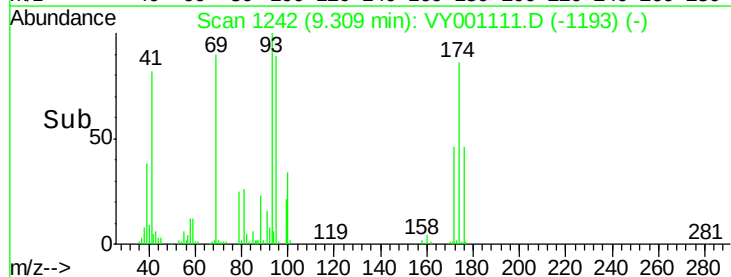
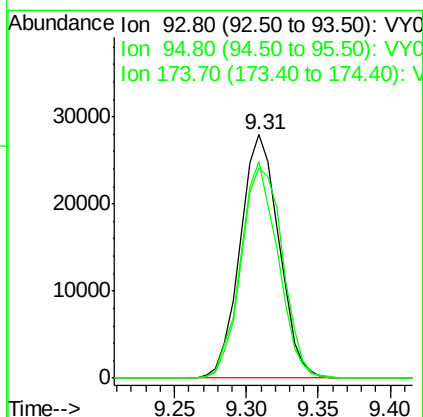
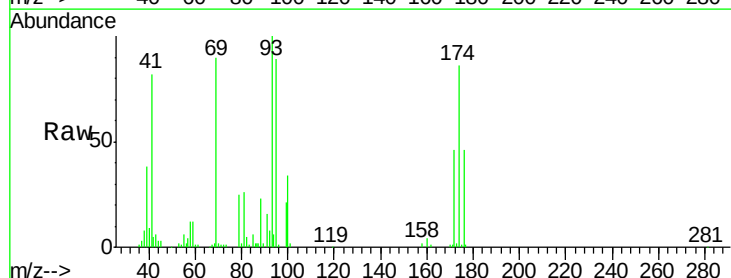
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

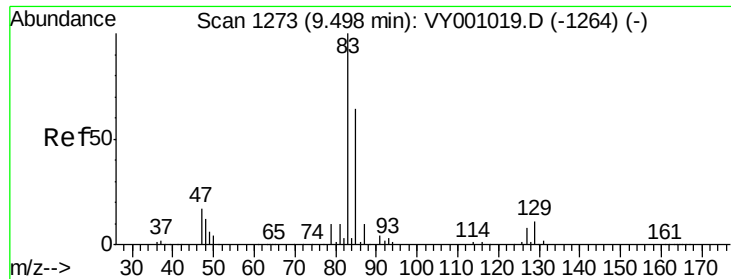
Tgt Ion: 63 Resp: 92889
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.1 37.7



#46
 Dibromomethane
 Concen: 56.838 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 93 Resp: 52161
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.7 100.1
 174 92.4 73.6 110.4





#47

Bromodichloromethane

Concen: 54.099 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

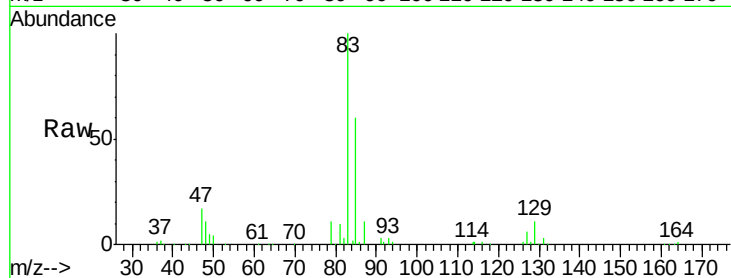
Tgt Ion: 83 Resp: 115000

Ion Ratio Lower Upper

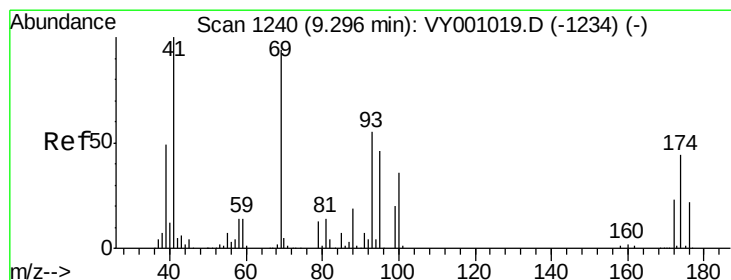
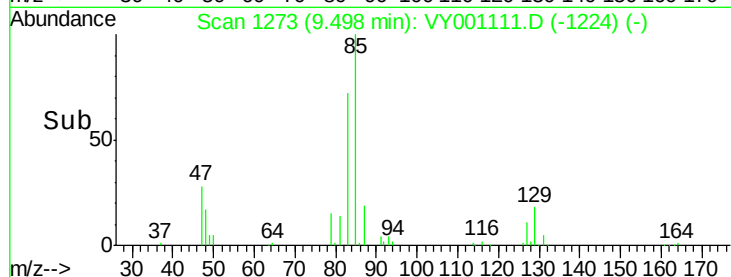
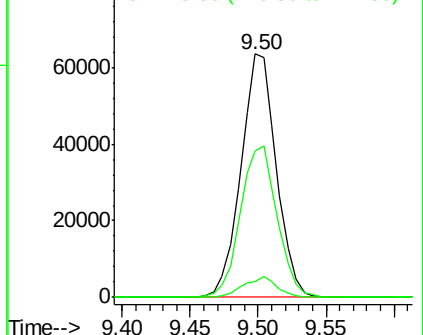
83 100

85 60.0 50.9 76.3

127 6.4 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: 68.498 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

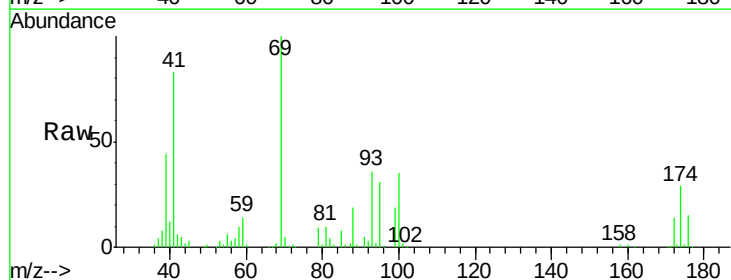
Tgt Ion: 41 Resp: 70478

Ion Ratio Lower Upper

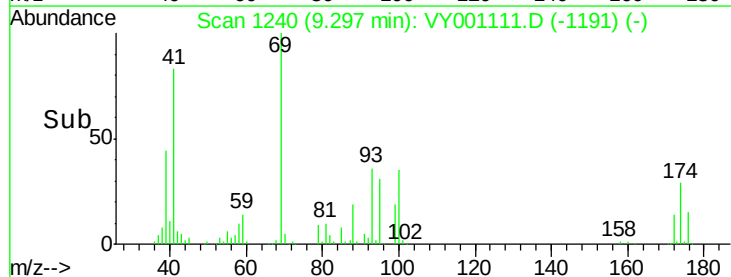
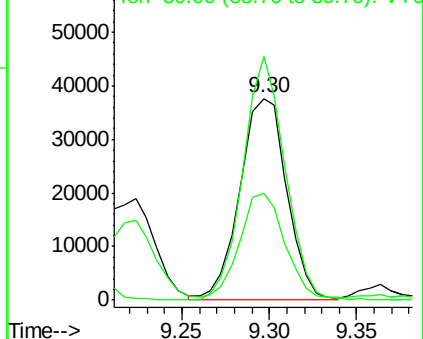
41 100

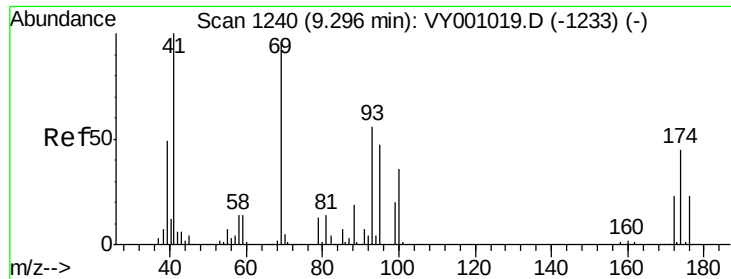
69 107.9 79.8 119.6

39 51.1 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

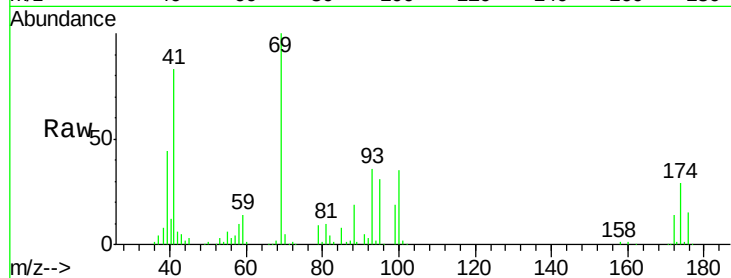




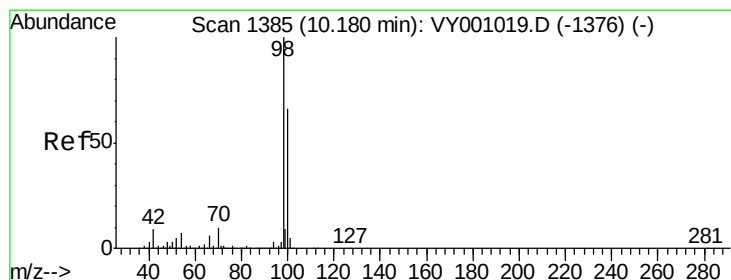
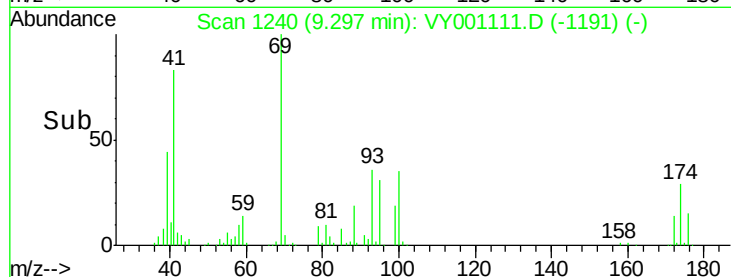
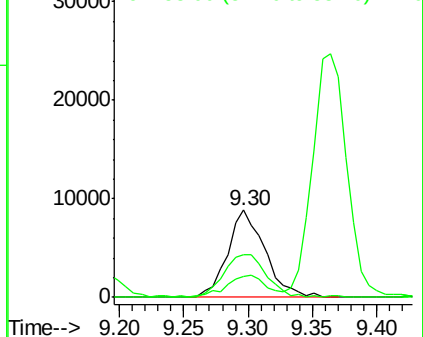
#49
1,4-Dioxane
Concen: 1327.198 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion: 88 Resp: 17817
Ion Ratio Lower Upper
88 100
43 28.0 23.0 34.4
58 56.6 54.9 82.3

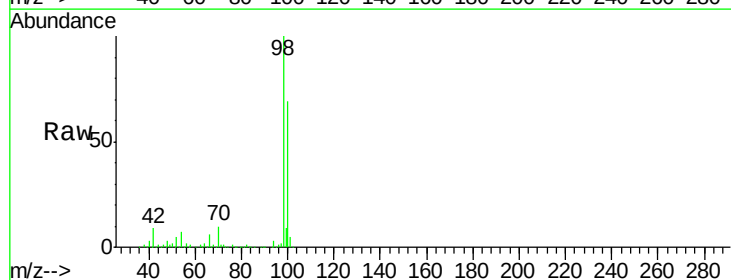


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

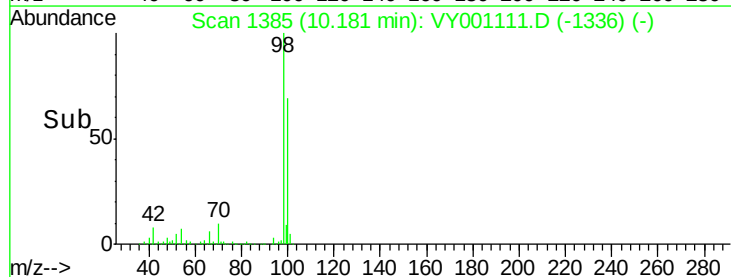
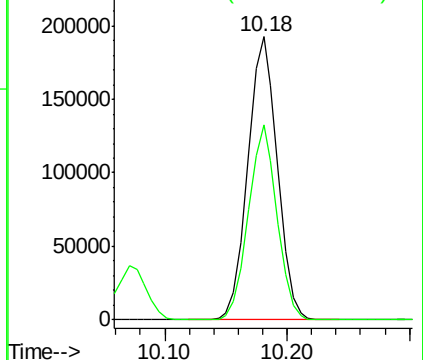


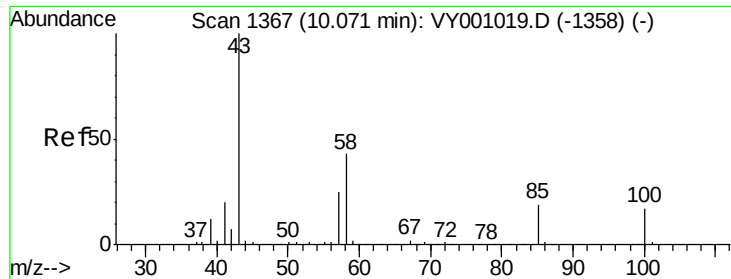
#50
Toluene-d8
Concen: 56.854 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 98 Resp: 322600
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

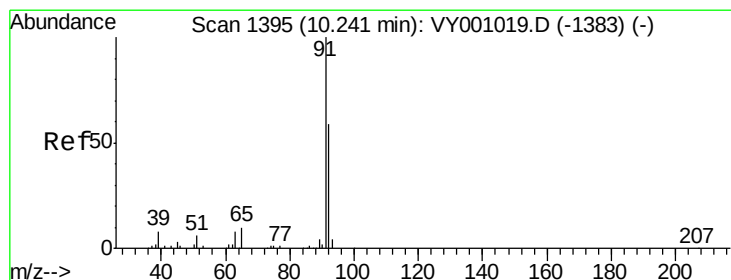
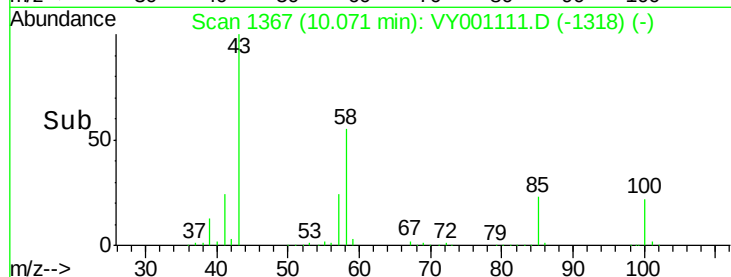
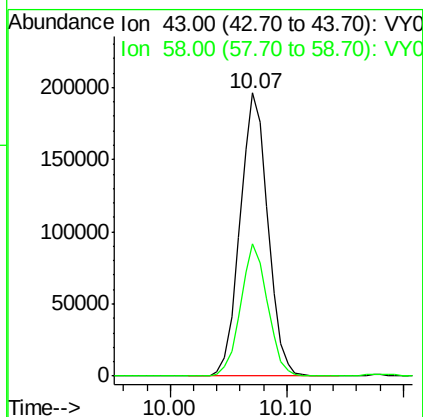
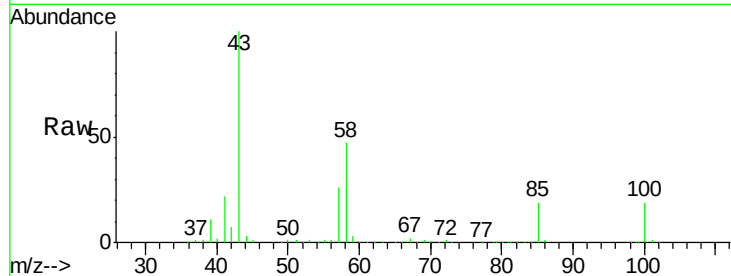




#51
4-Methyl-2-Pentanone
Concen: 260.305 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

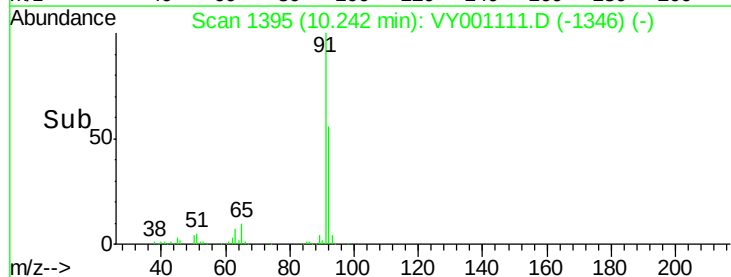
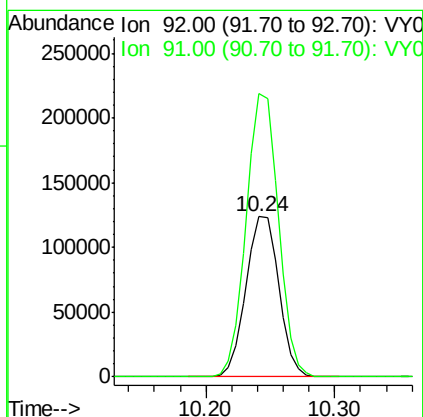
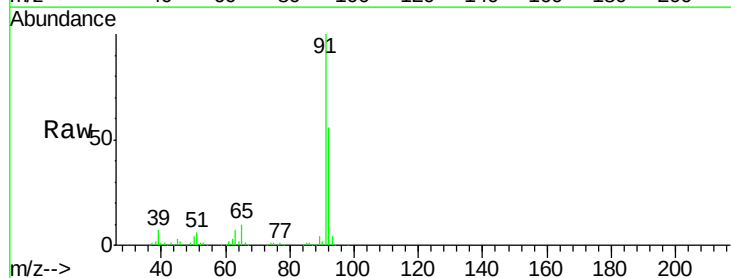
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

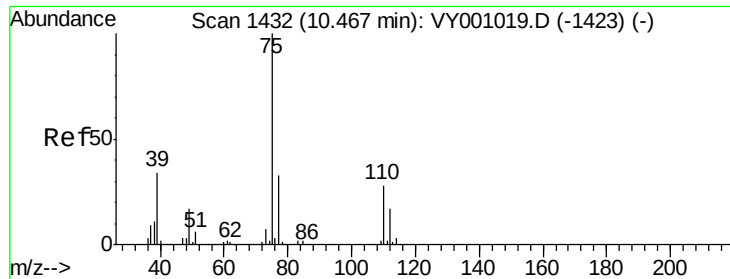
Tgt Ion: 43 Resp: 327124
Ion Ratio Lower Upper
43 100
58 45.3 34.6 52.0



#52
Toluene
Concen: 50.015 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 92 Resp: 218456
Ion Ratio Lower Upper
92 100
91 172.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.730 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

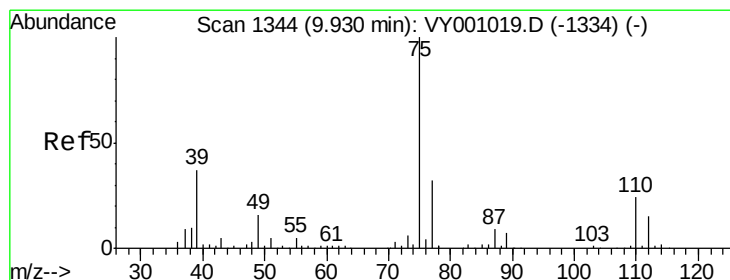
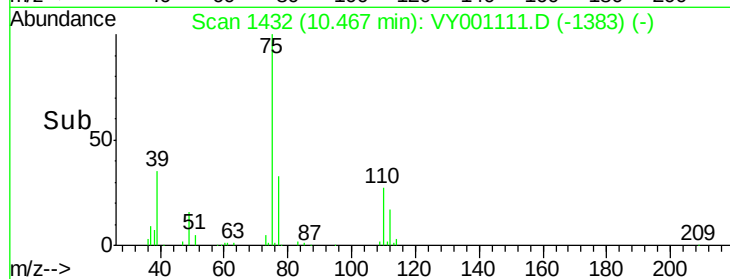
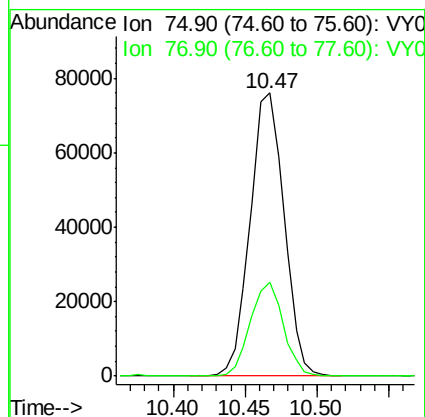
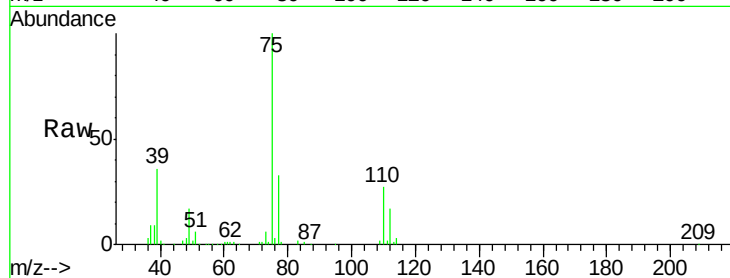
DUNR-BF001-01MSD

Tgt Ion: 75 Resp: 123956

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 52.841 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

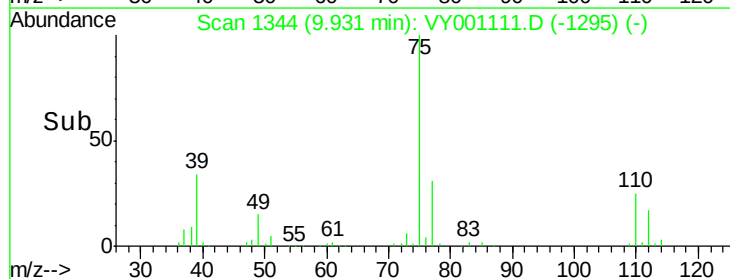
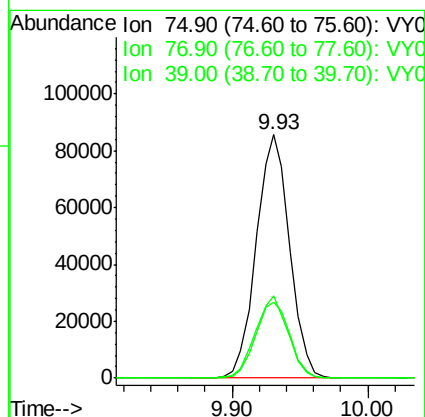
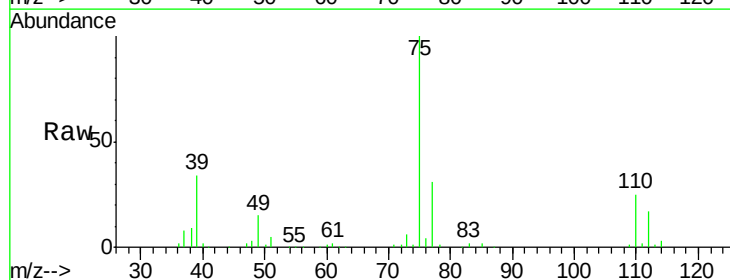
Tgt Ion: 75 Resp: 146588

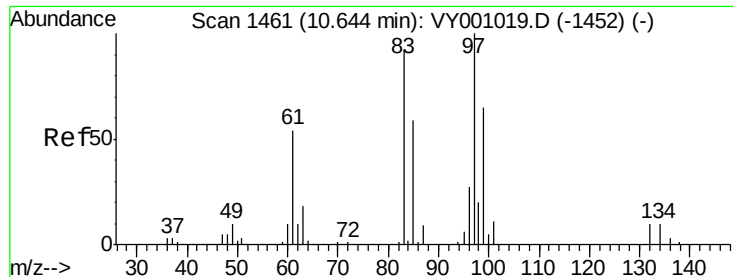
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 33.7 29.5 44.3

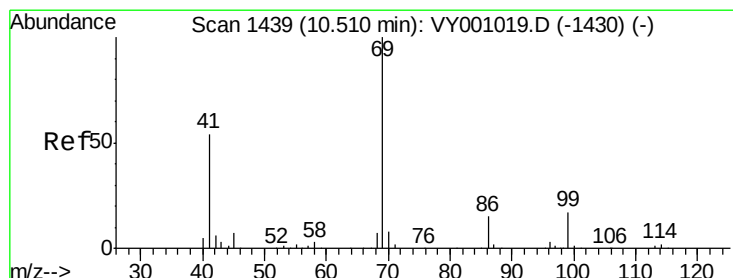
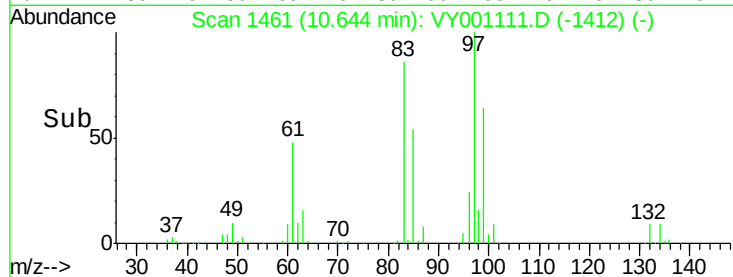
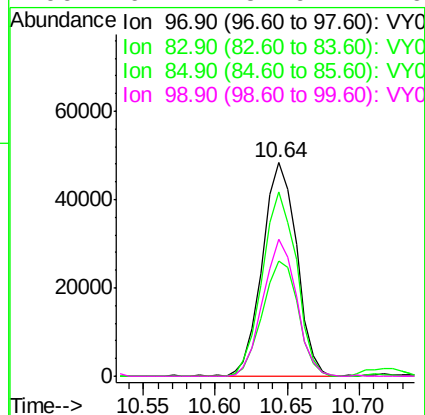
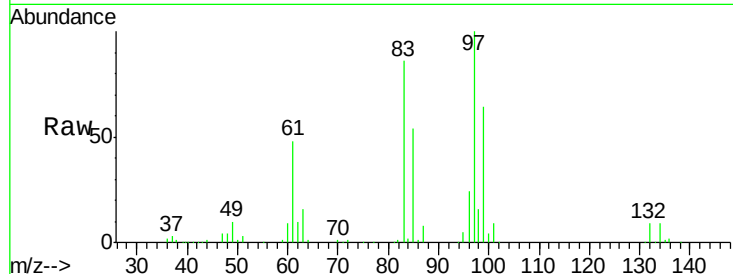




#55
 1,1,2-Trichloroethane
 Concen: 58.172 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

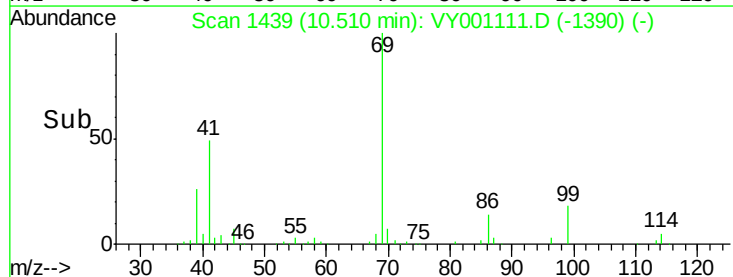
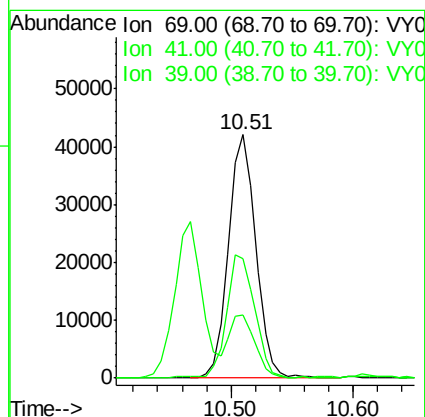
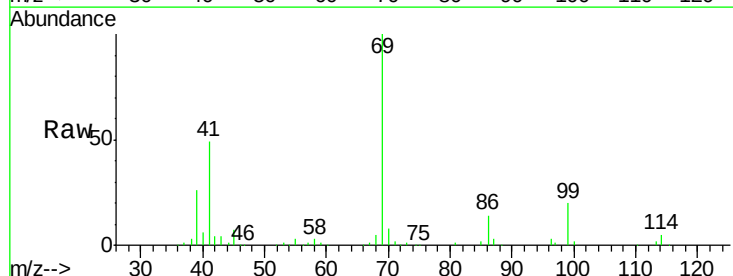
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

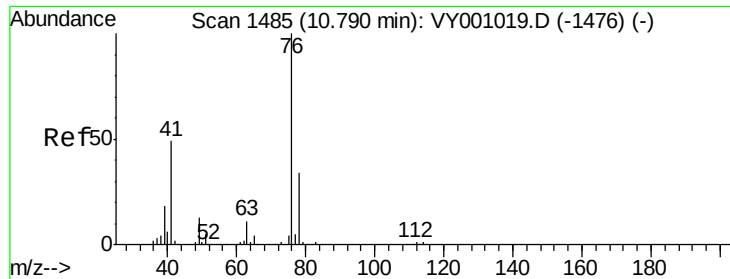
Tgt Ion:	97	Resp:	79697
Ion	Ratio	Lower	Upper
97	100		
83	86.2	73.7	110.5
85	54.3	47.3	70.9
99	64.2	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 33.347 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion:	69	Resp:	65023
Ion	Ratio	Lower	Upper
69	100		
41	50.5	44.7	67.1
39	25.1	22.2	33.4

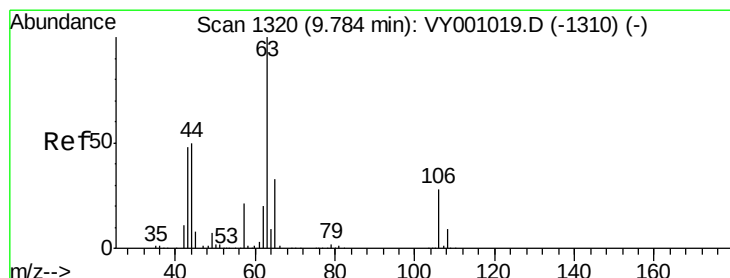
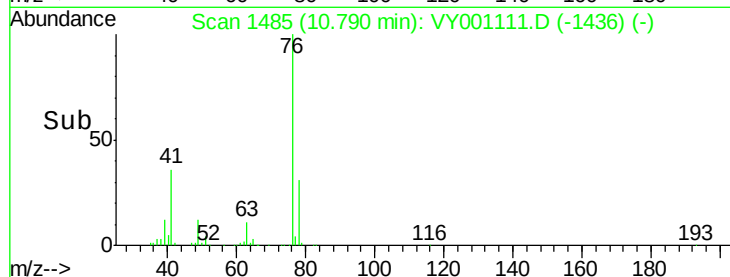
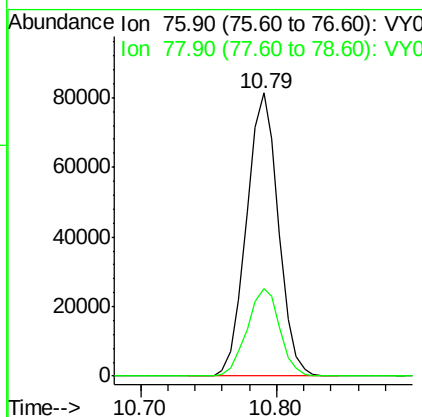
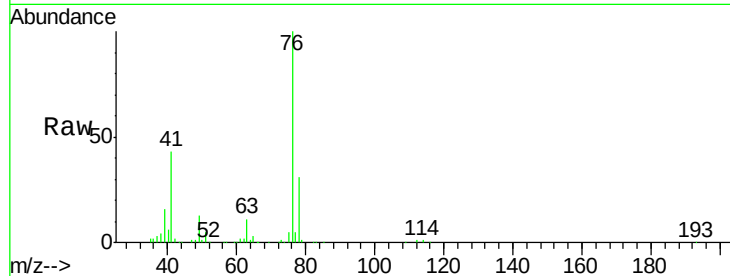




#57
 1,3-Dichloropropane
 Concen: 55.455 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

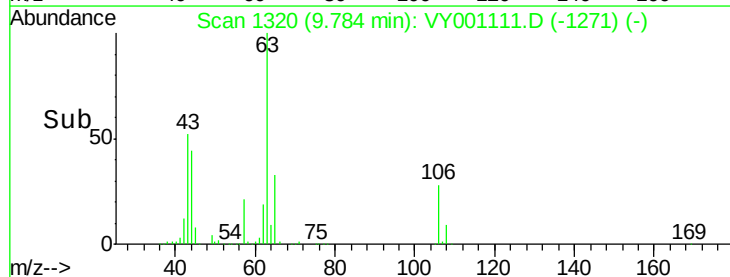
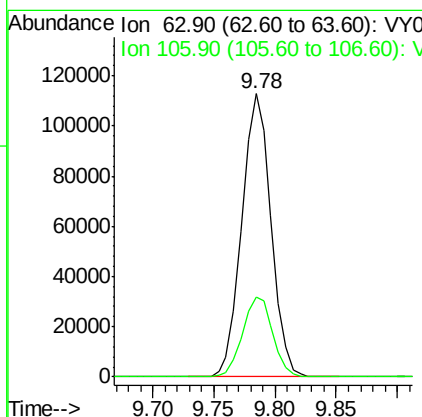
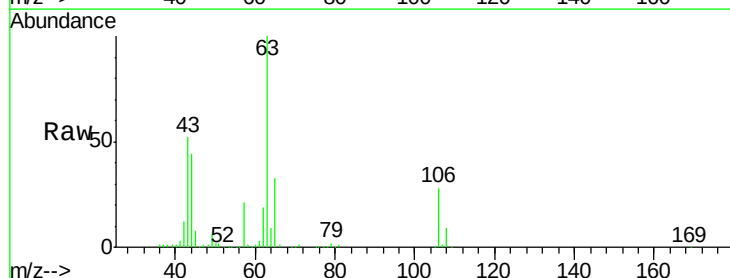
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

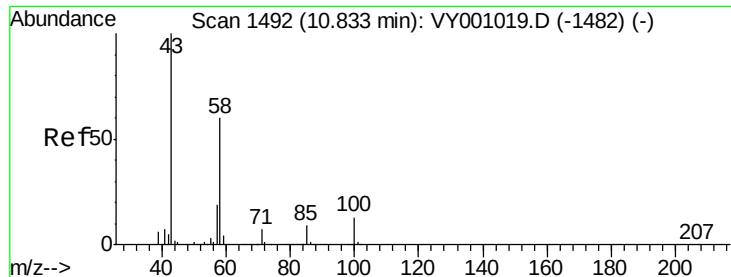
Tgt Ion: 76 Resp: 133171
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.785 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 63 Resp: 186611
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.7 34.1

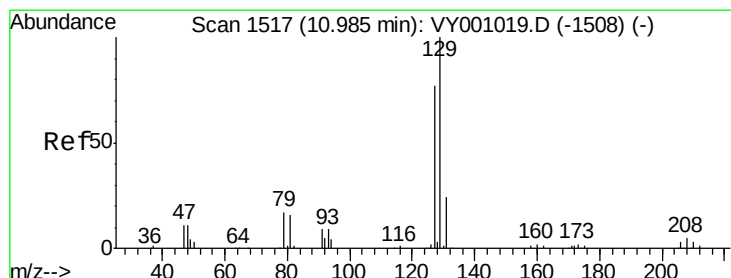
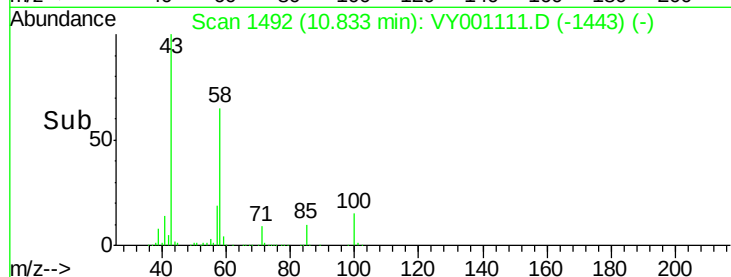
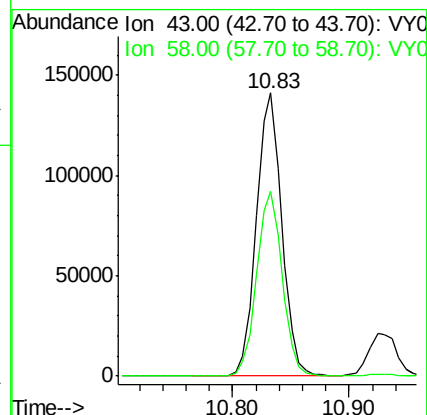
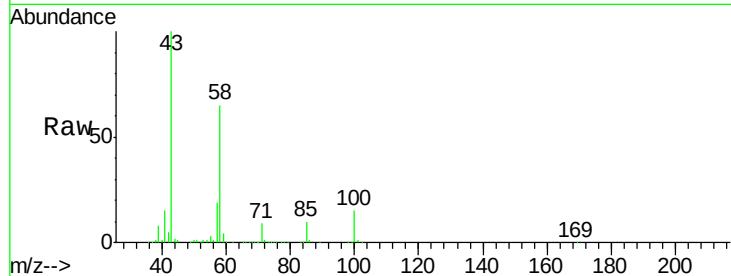




#59
2-Hexanone
Concen: 247.739 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

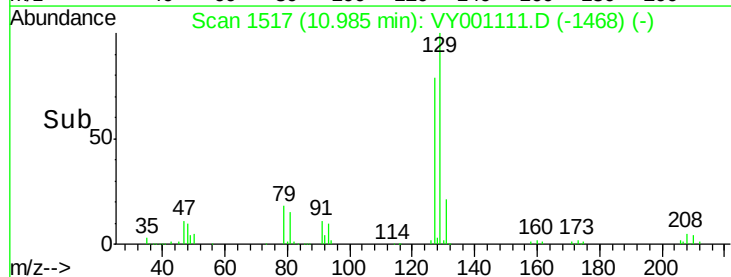
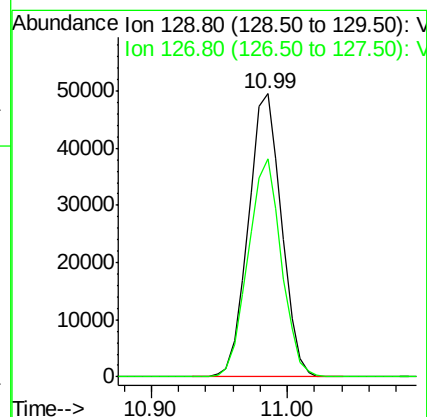
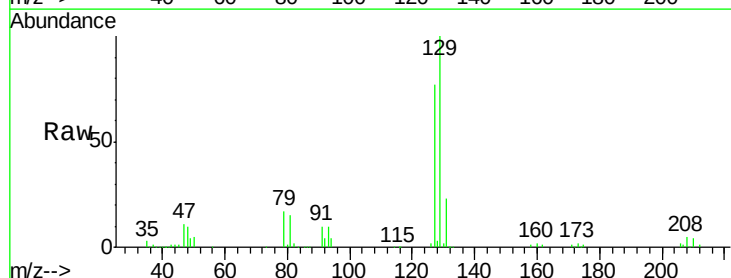
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

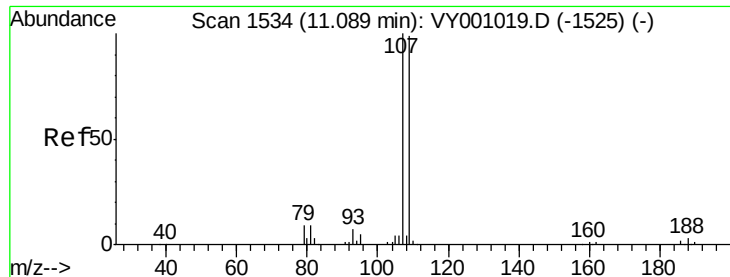
Tgt Ion: 43 Resp: 215424
Ion Ratio Lower Upper
43 100
58 65.7 30.6 91.6



#60
Dibromochloromethane
Concen: 57.800 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 129 Resp: 84586
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3

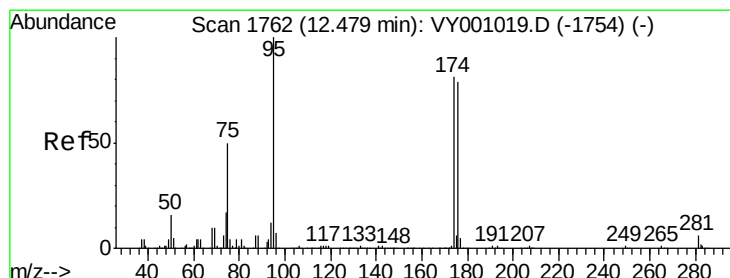
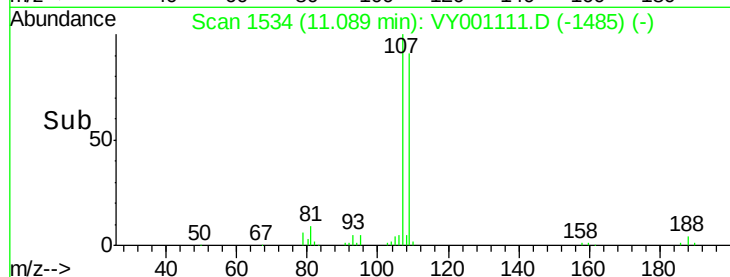
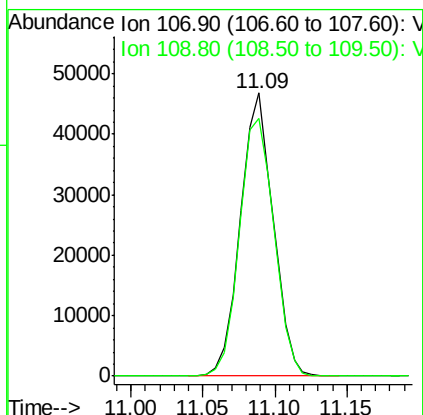
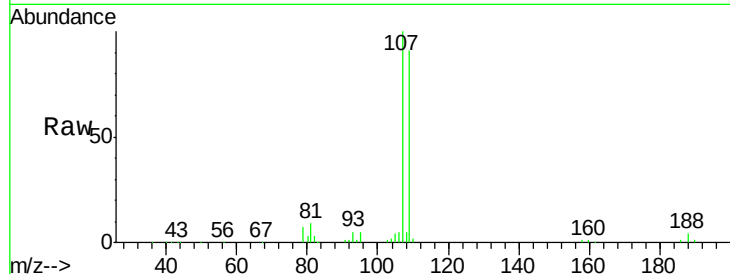




#61
 1,2-Dibromoethane
 Concen: 56.423 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

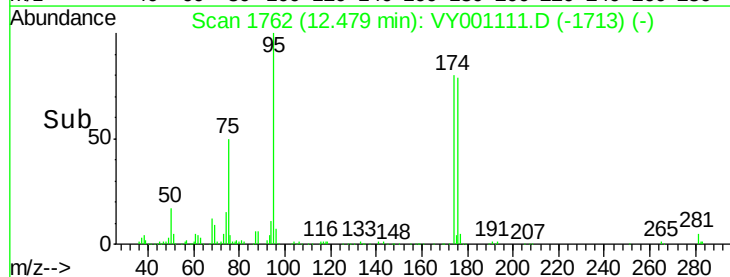
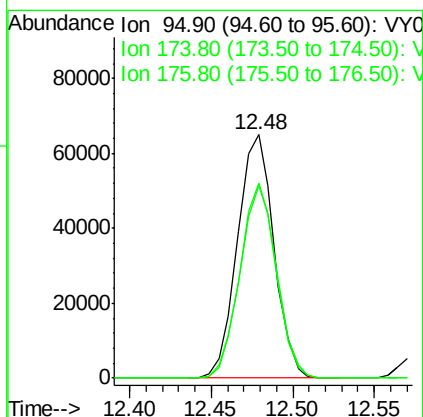
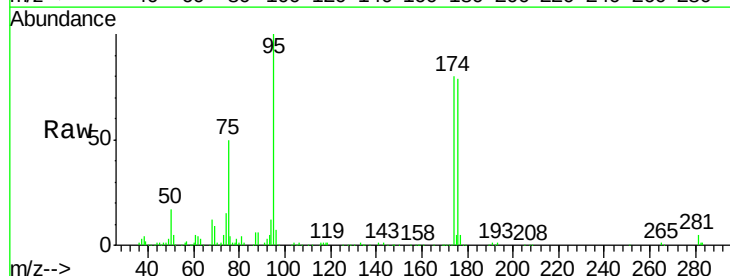
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

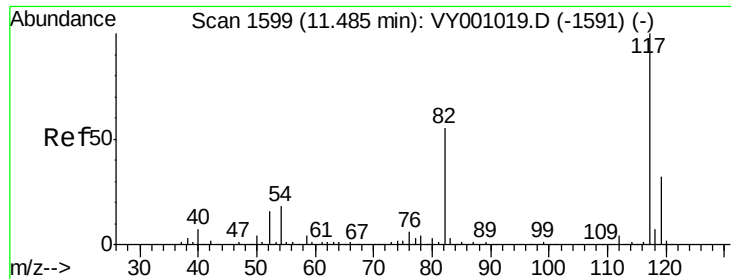
Tgt Ion: 107 Resp: 73920
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.686 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion: 95 Resp: 101003
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 156.4
 176 79.7 0.0 155.0

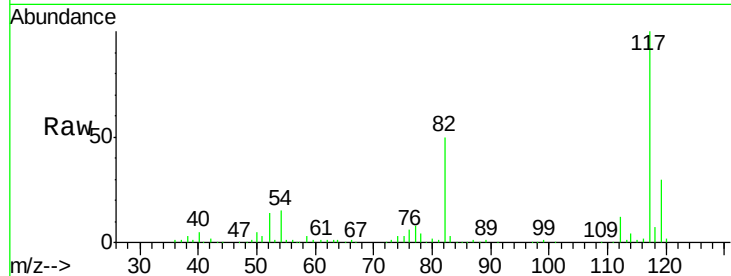




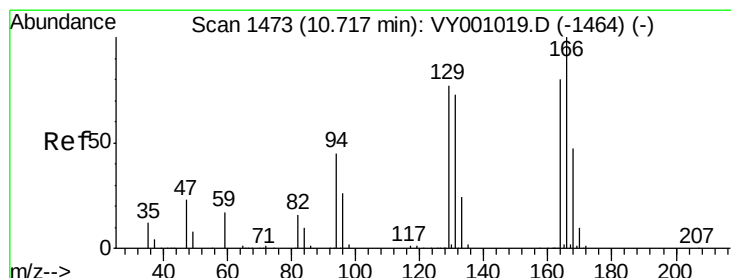
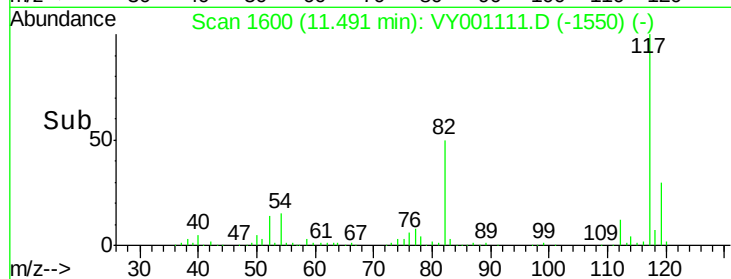
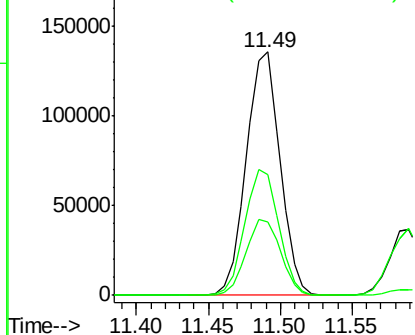
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion:117 Resp: 219396
Ion Ratio Lower Upper
117 100
82 49.6 43.8 65.8
119 29.9 25.8 38.6



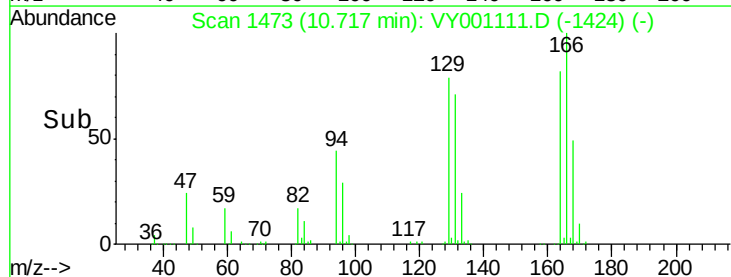
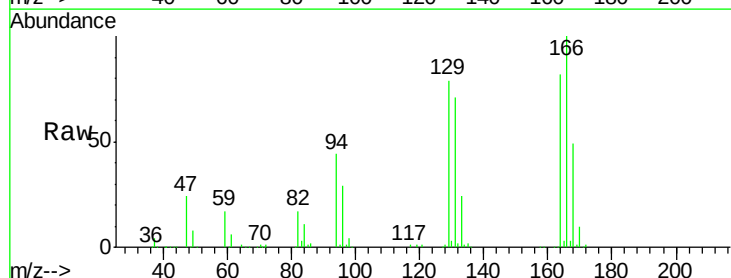
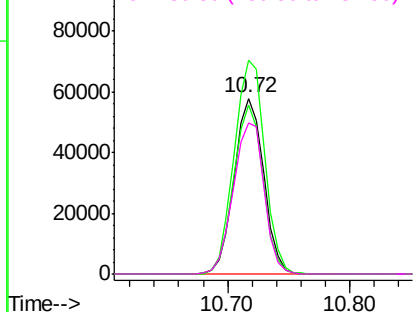
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

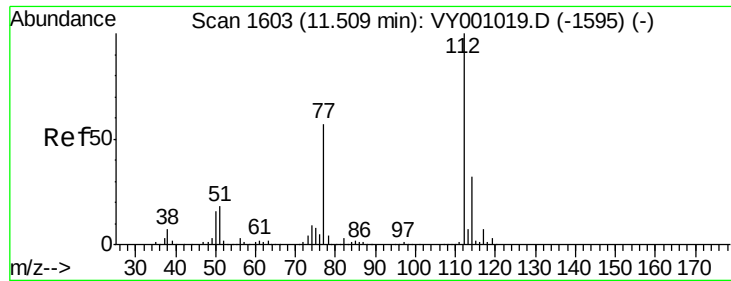


#64
Tetrachloroethene
Concen: 50.698 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion:164 Resp: 96240
Ion Ratio Lower Upper
164 100
166 121.5 99.7 149.5
129 95.8 76.9 115.3
131 86.1 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





#65

Chlorobenzene

Concen: 51.538 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

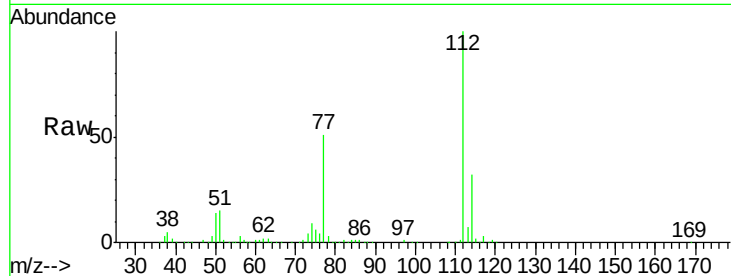
DUNR-BF001-01MSD

Tgt Ion:112 Resp: 234547

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

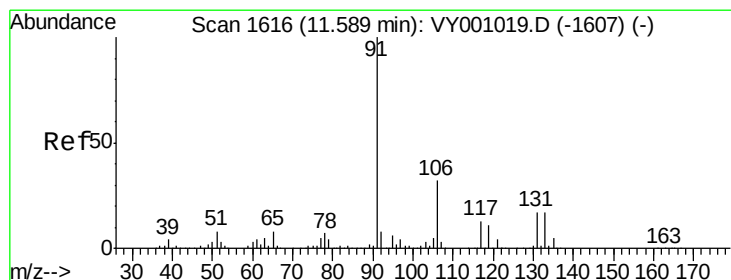
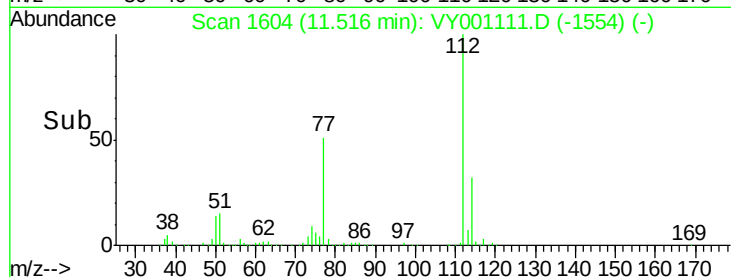
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 55.926 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

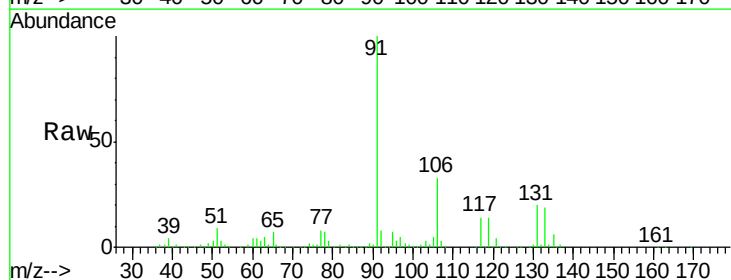
Tgt Ion:131 Resp: 83991

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

119 70.8 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

11.59

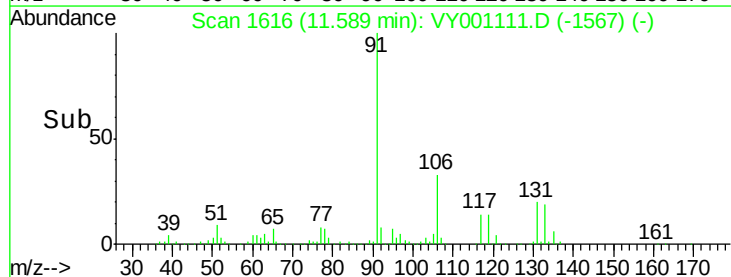
60000

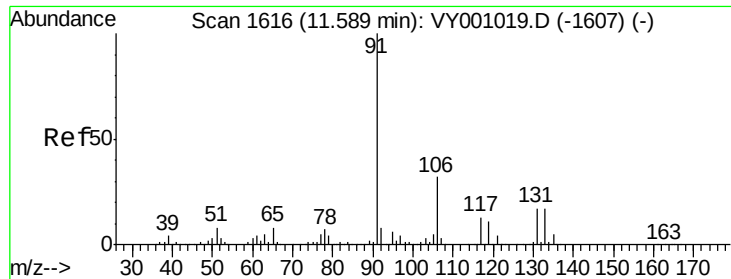
40000

20000

0

Time-->

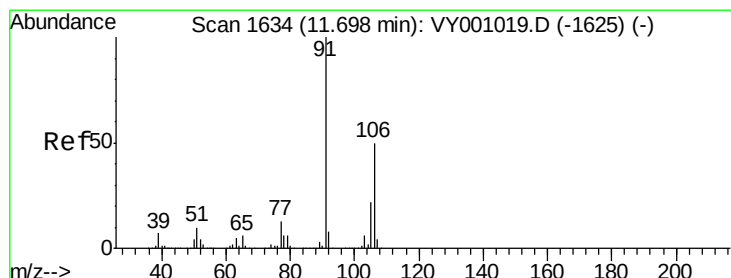
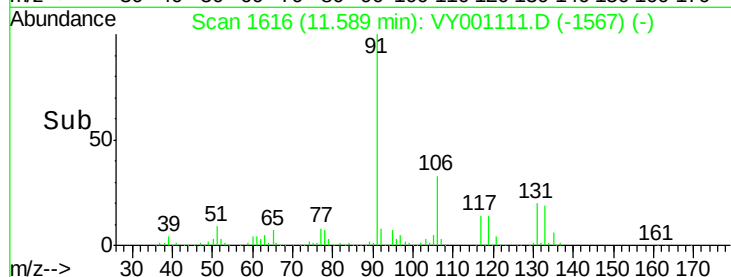
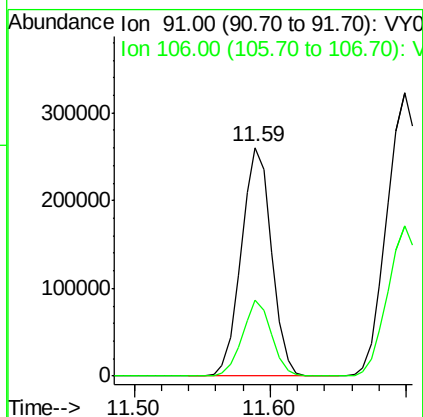
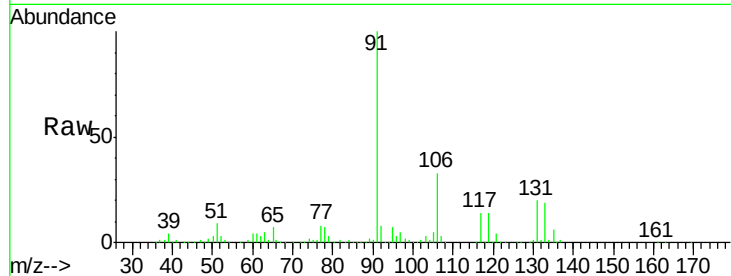




#67
Ethyl Benzene
Concen: 49.416 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

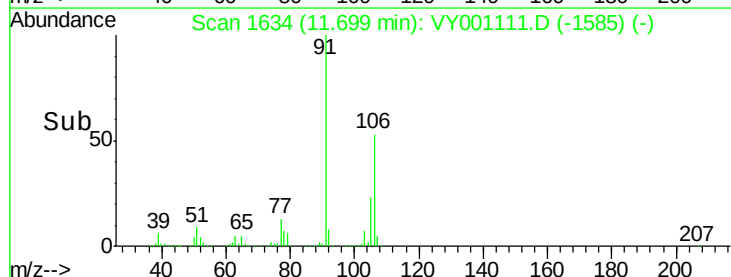
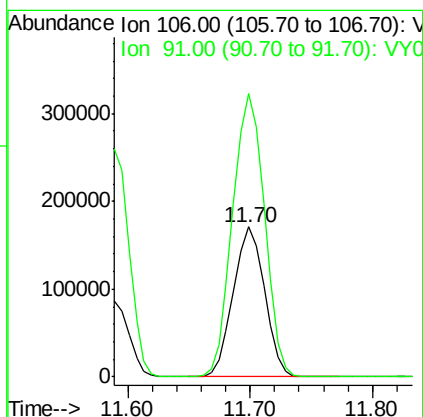
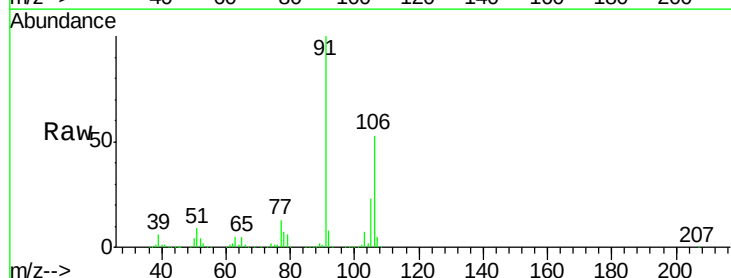
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

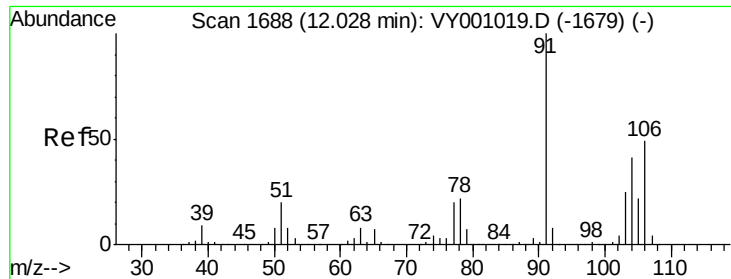
Tgt Ion: 91 Resp: 404503
Ion Ratio Lower Upper
91 100
106 33.2 25.3 37.9



#68
m/p-Xylenes
Concen: 98.329 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 106 Resp: 305612
Ion Ratio Lower Upper
106 100
91 191.3 156.4 234.6

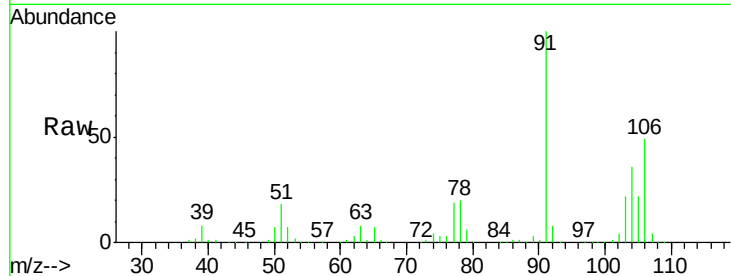




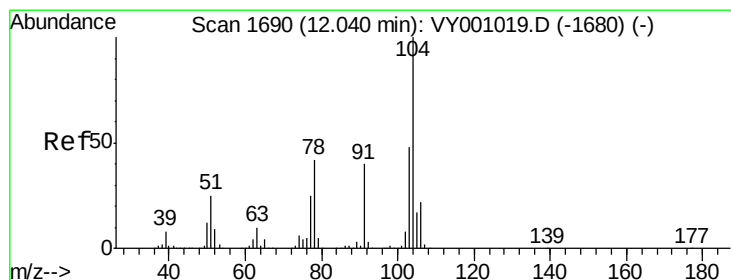
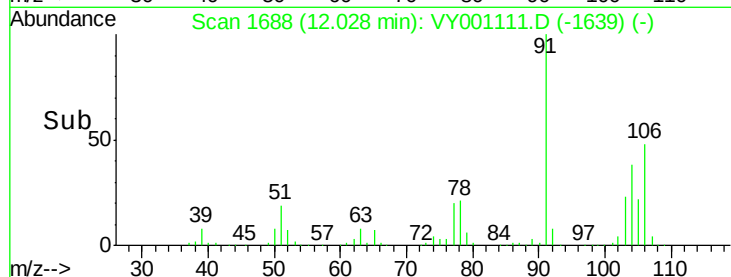
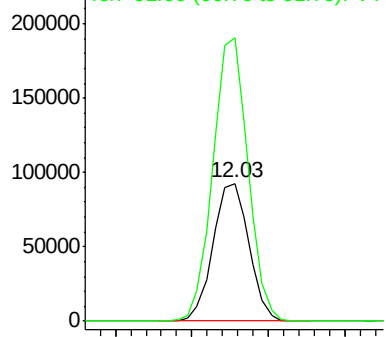
#69
o-Xylene
Concen: 51.565 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion:106 Resp: 150776
Ion Ratio Lower Upper
106 100
91 201.0 103.0 309.0

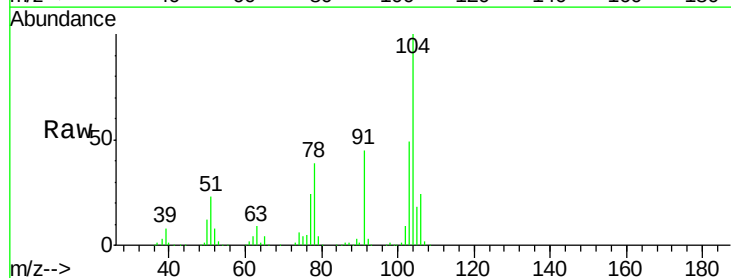


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

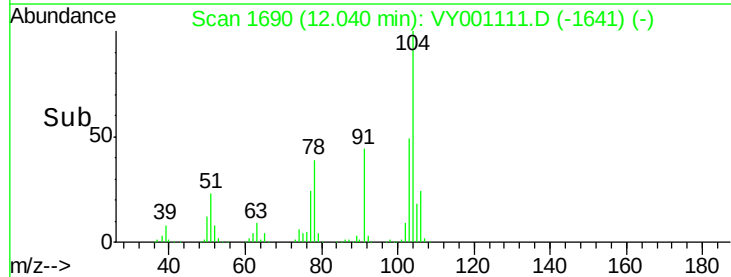
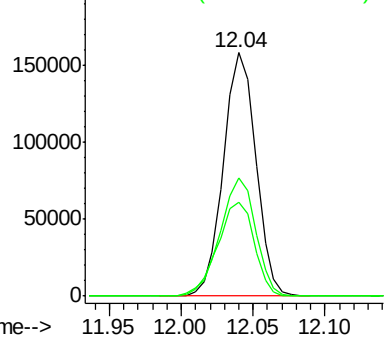


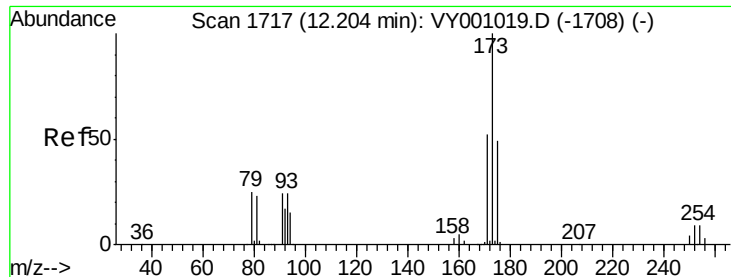
#70
Styrene
Concen: 49.602 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion:104 Resp: 246613
Ion Ratio Lower Upper
104 100
78 43.6 36.6 54.8
103 52.8 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 59.143 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

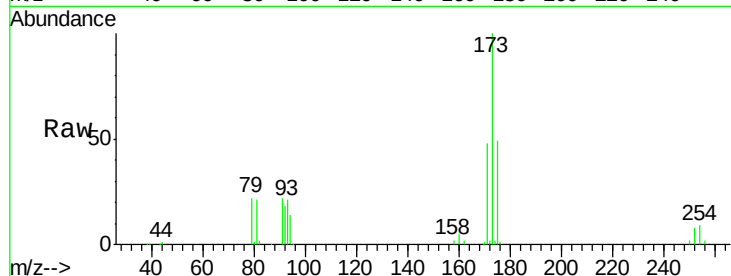
Tgt Ion:173 Resp: 49458

Ion Ratio Lower Upper

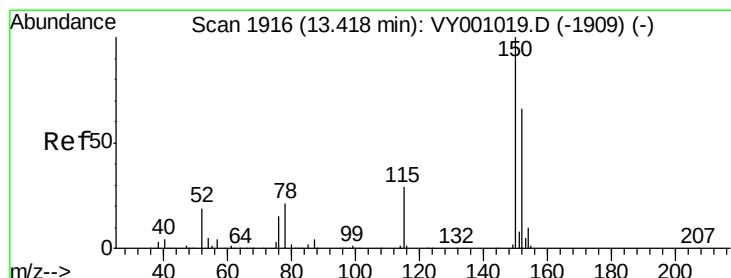
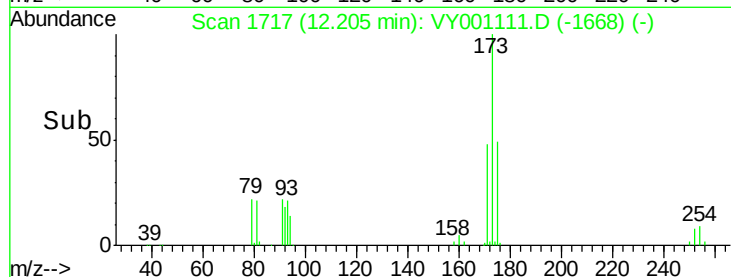
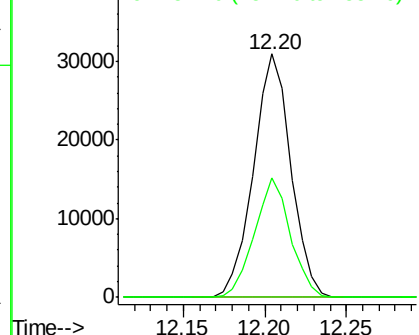
173 100

175 47.3 24.5 73.5

254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

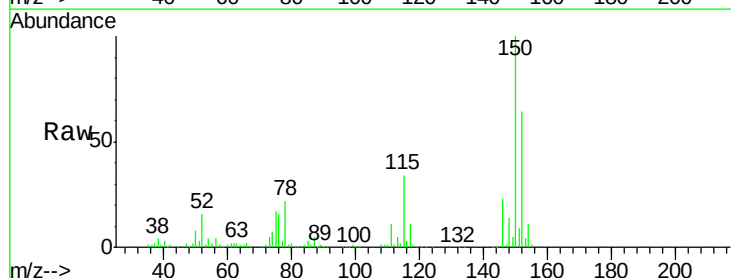
Tgt Ion:152 Resp: 91682

Ion Ratio Lower Upper

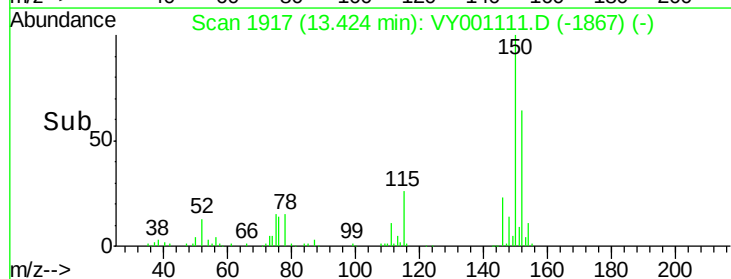
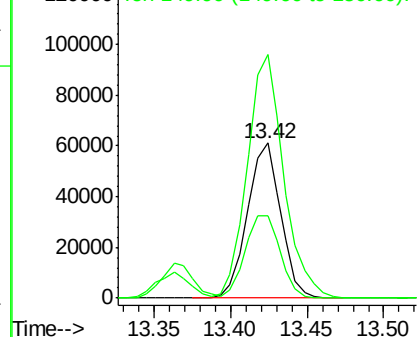
152 100

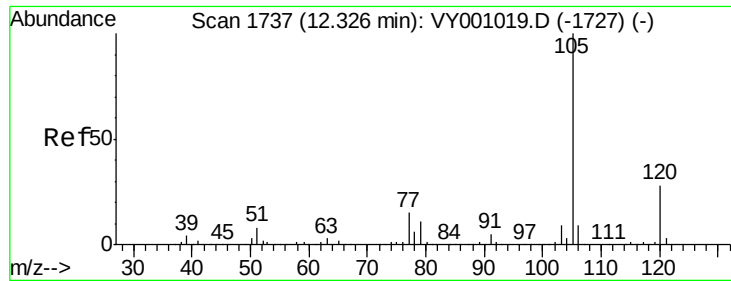
115 56.5 29.8 89.3

150 172.8 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: 52.194 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

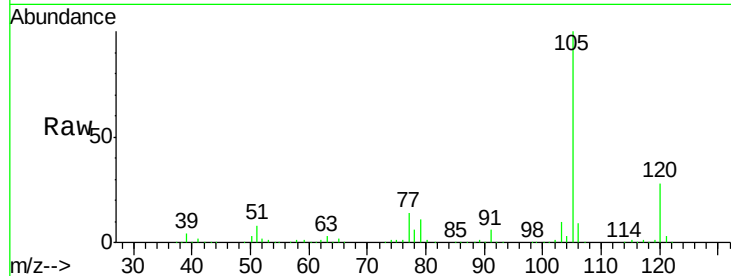
DUNR-BF001-01MSD

Tgt Ion: 105 Resp: 370308

Ion Ratio Lower Upper

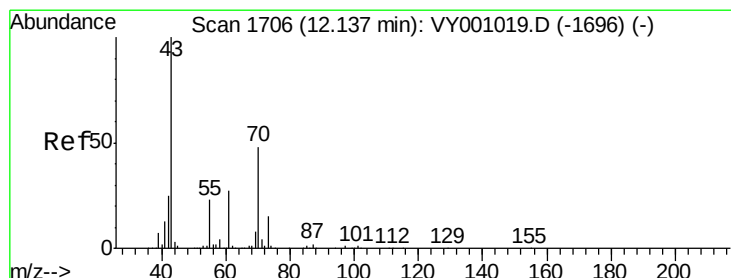
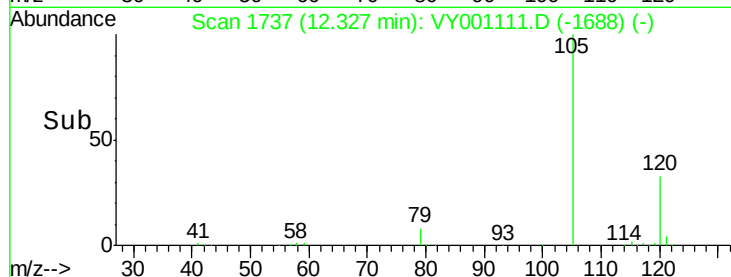
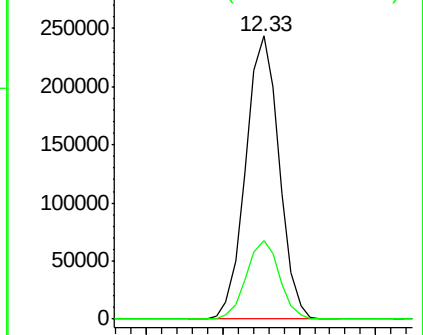
105 100

120 27.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 7.921 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Tgt Ion: 43 Resp: 14763

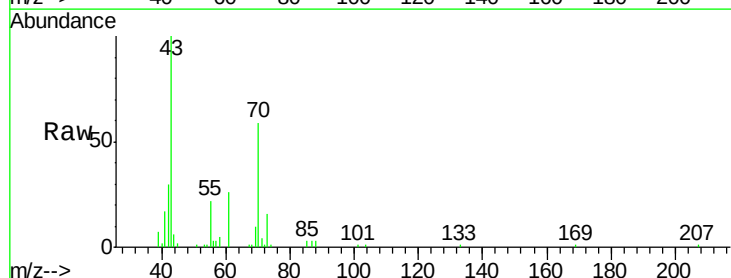
Ion Ratio Lower Upper

43 100

70 53.7 39.0 58.6

55 26.7 19.5 29.3

61 27.9 22.0 33.0

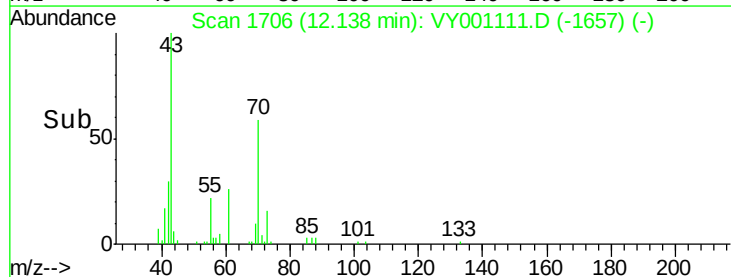
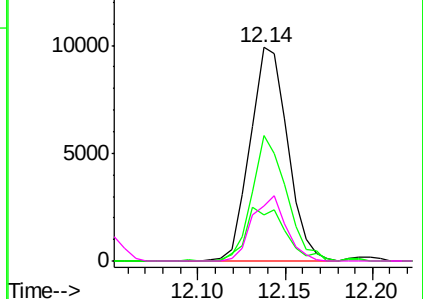


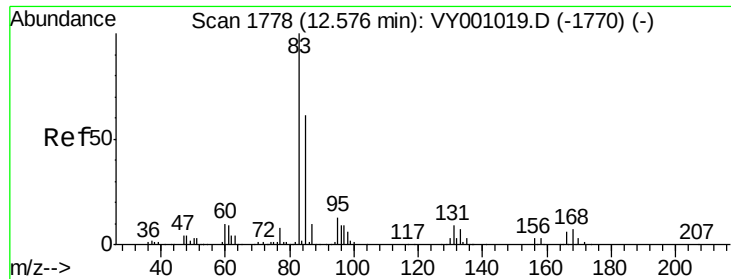
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.733 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

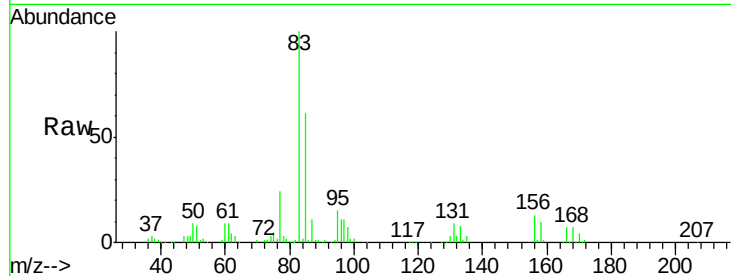
Tgt Ion: 83 Resp: 86283

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

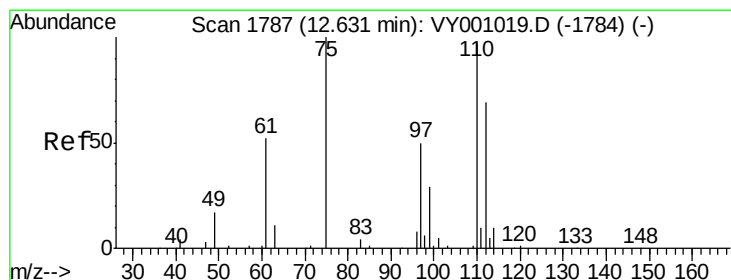
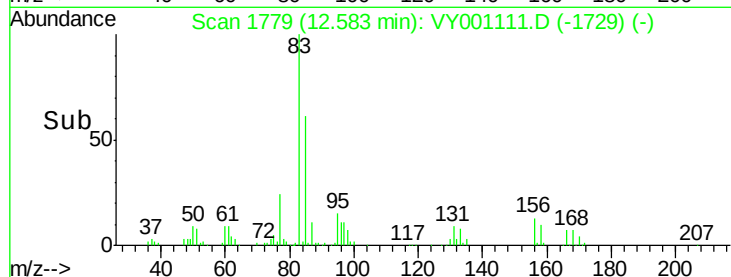
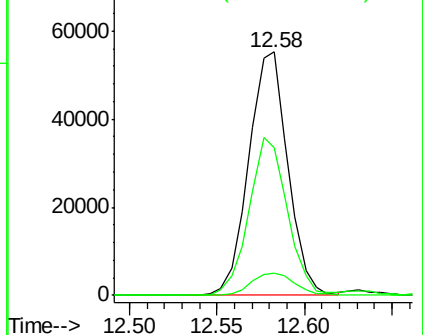
85 63.8 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 102.397 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001111.D

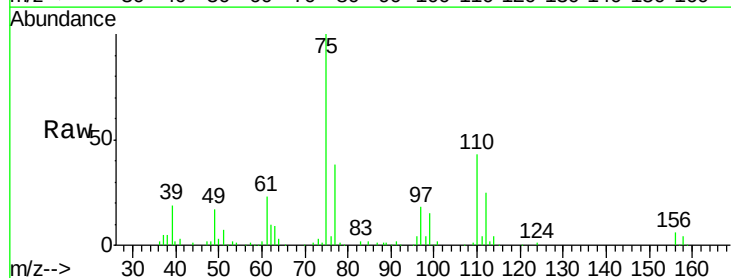
Acq: 27 Dec 2019 20:07

Tgt Ion: 75 Resp: 115734

Ion Ratio Lower Upper

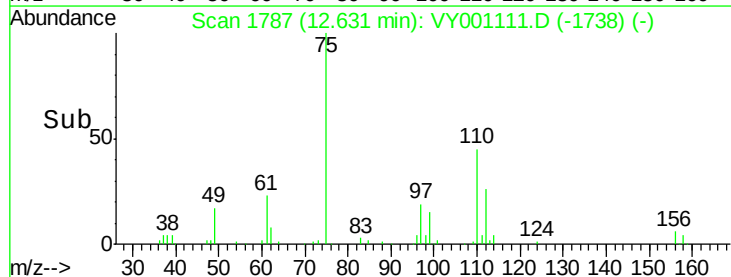
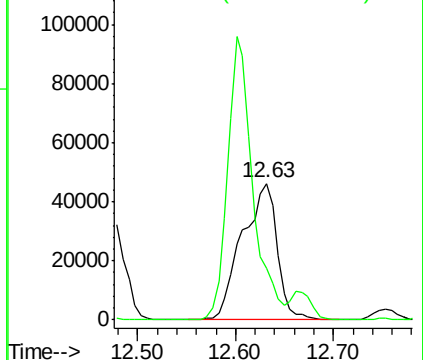
75 100

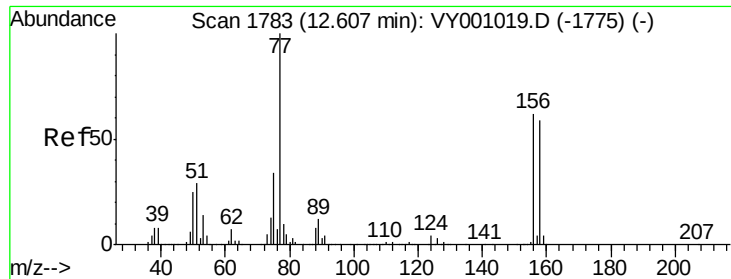
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 57.431 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

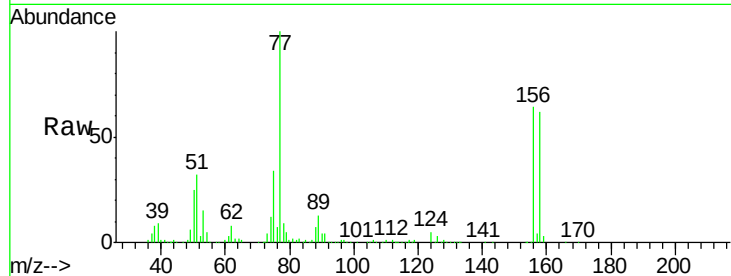
Tgt Ion:156 Resp: 91640

Ion Ratio Lower Upper

156 100

77 186.1 98.0 294.1

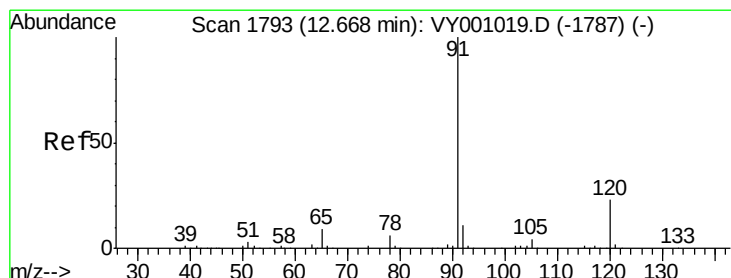
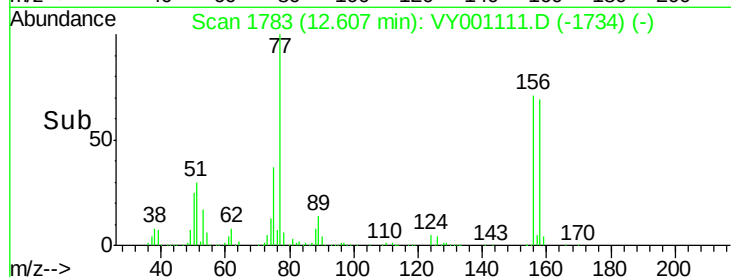
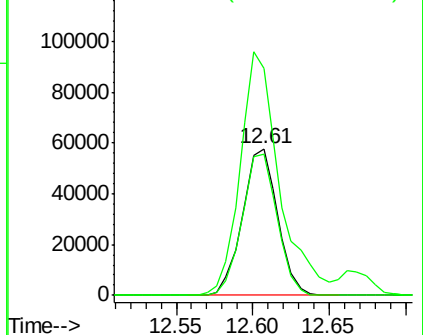
158 96.5 48.5 145.6



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: 48.358 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001111.D

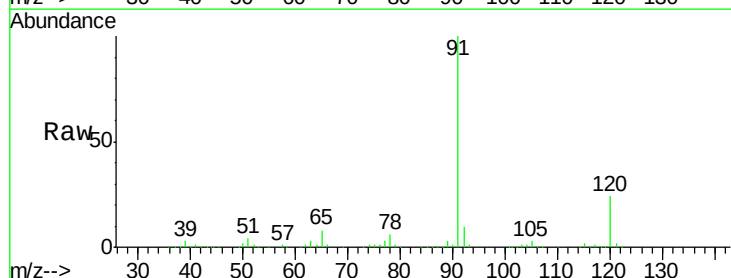
Acq: 27 Dec 2019 20:07

Tgt Ion: 91 Resp: 418058

Ion Ratio Lower Upper

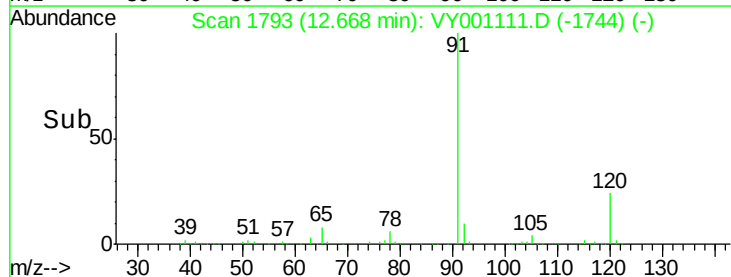
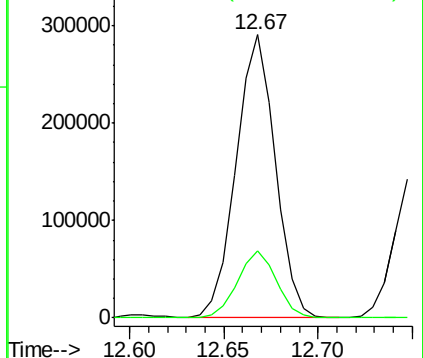
91 100

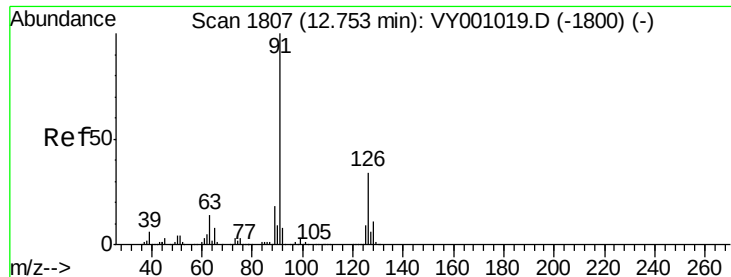
120 23.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.621 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

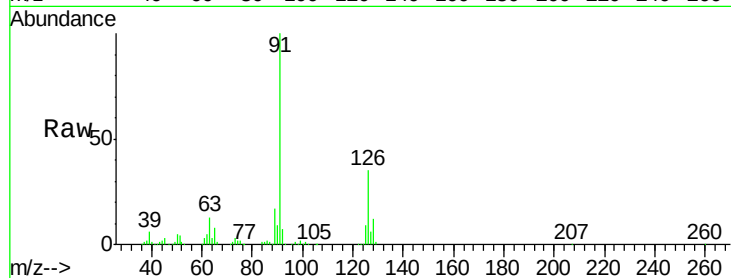
DUNR-BF001-01MSD

Tgt Ion: 91 Resp: 241675

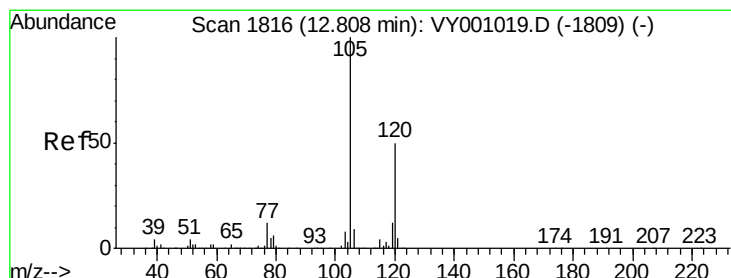
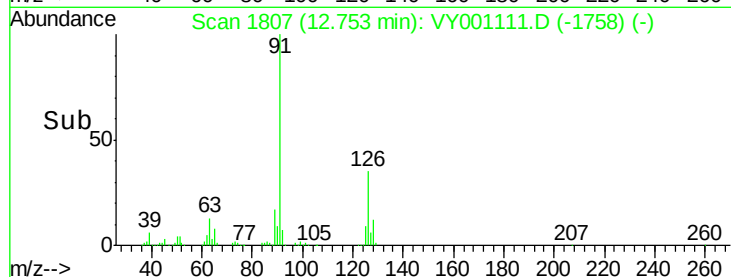
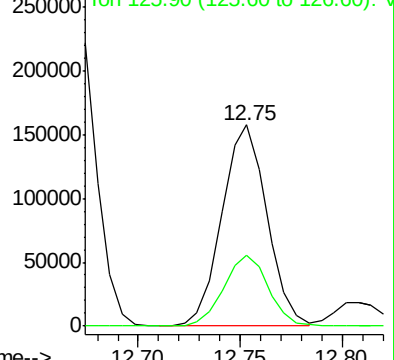
Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VY001111.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.028 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001111.D

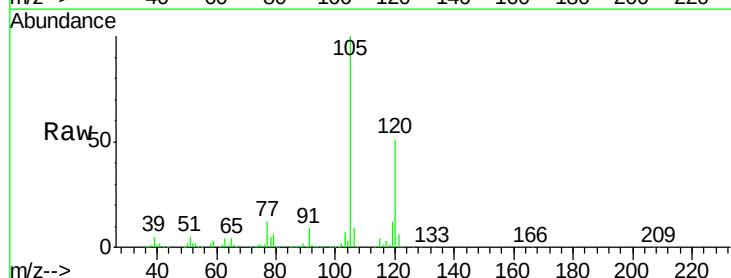
Acq: 27 Dec 2019 20:07

Tgt Ion: 105 Resp: 296754

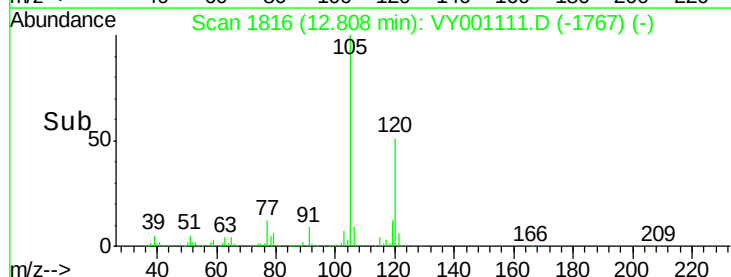
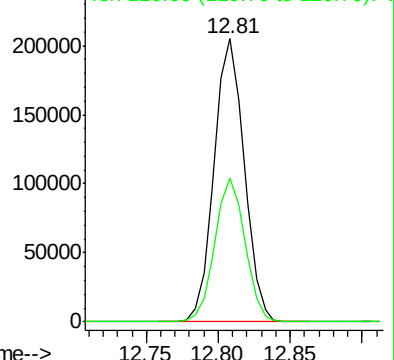
Ion Ratio Lower Upper

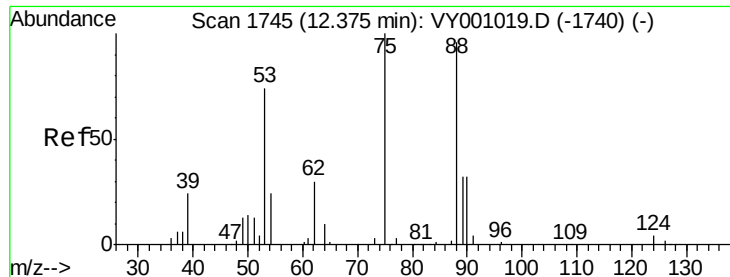
105 100

120 50.6 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001111.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.908 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

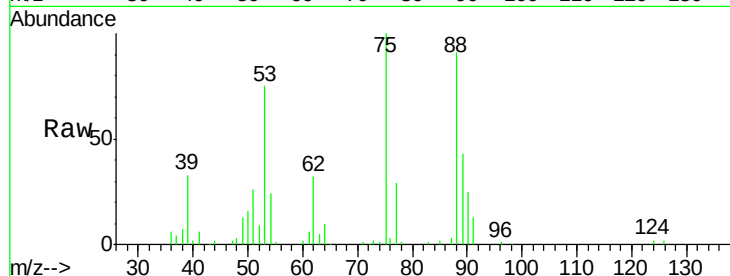
Tgt Ion: 75 Resp: 30158

Ion Ratio Lower Upper

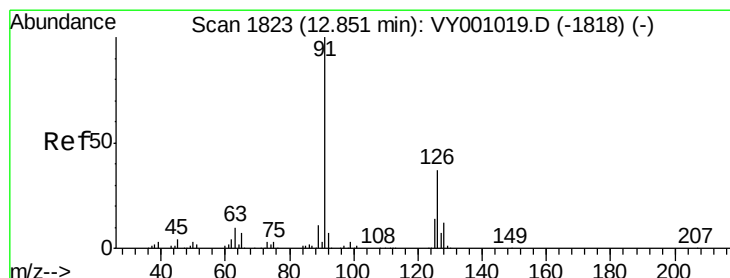
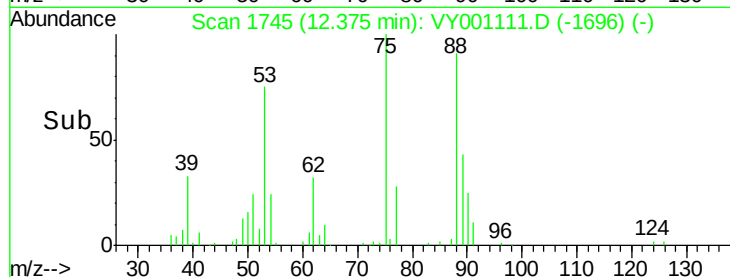
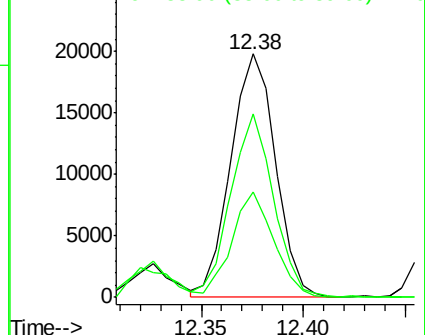
75 100

53 72.5 60.6 91.0

89 40.3 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 49.813 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001111.D

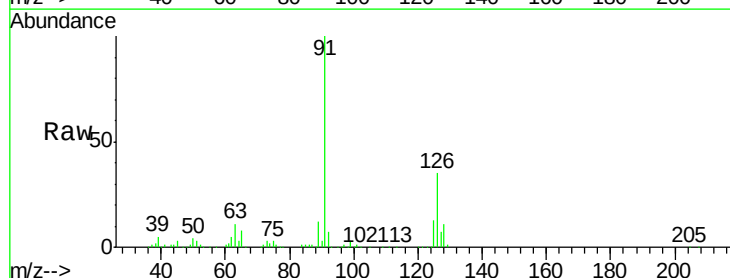
Acq: 27 Dec 2019 20:07

Tgt Ion: 91 Resp: 247011

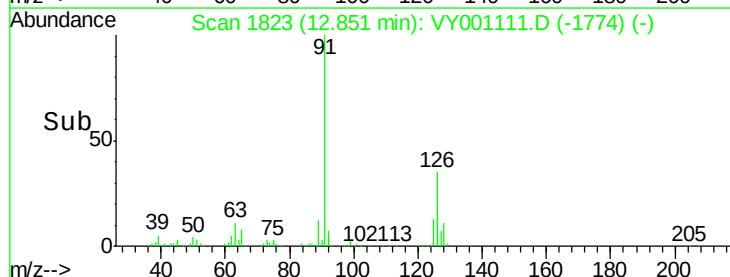
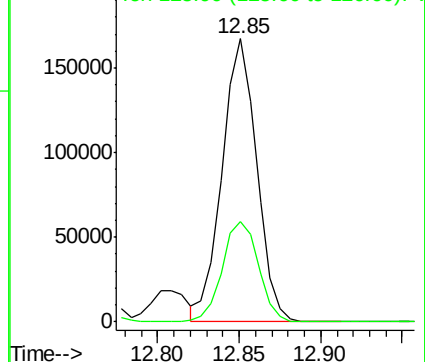
Ion Ratio Lower Upper

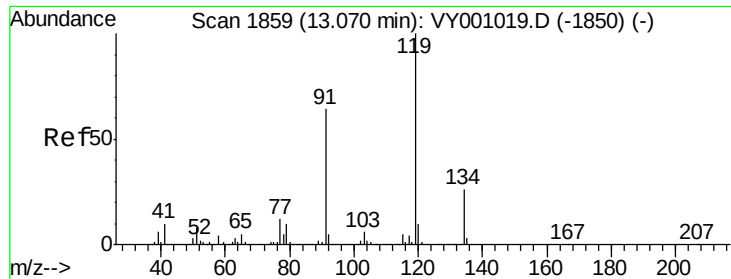
91 100

126 37.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): VY0

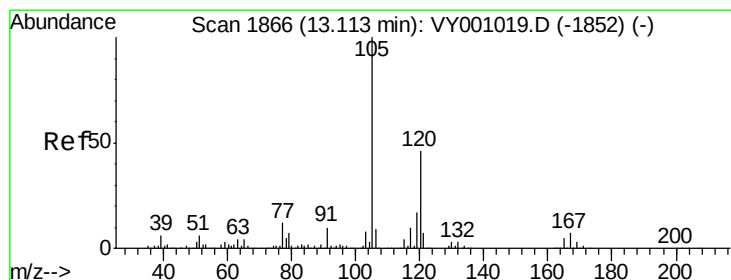
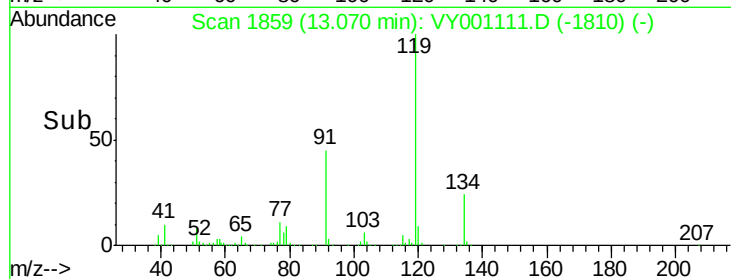
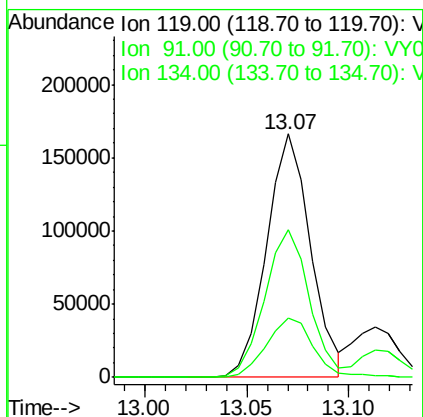
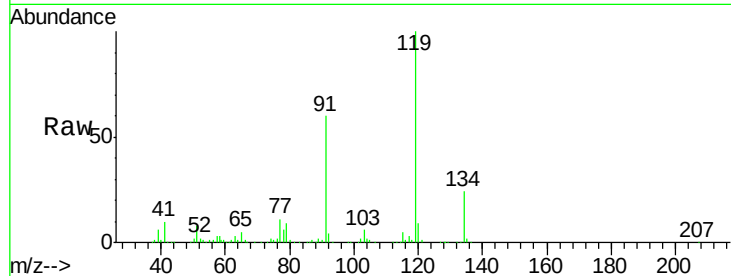




#83
 tert-Butylbenzene
 Concen: 51.083 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

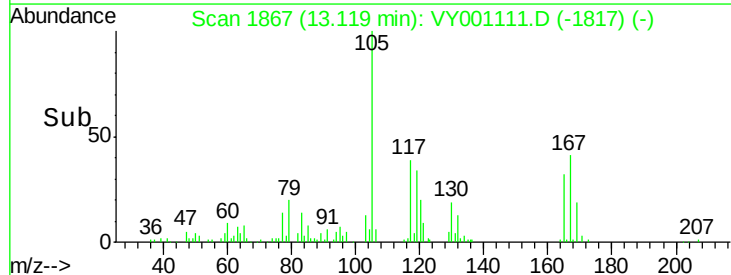
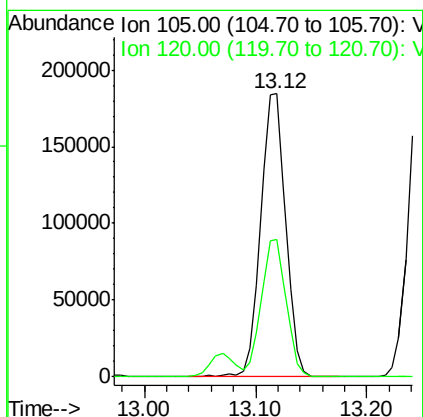
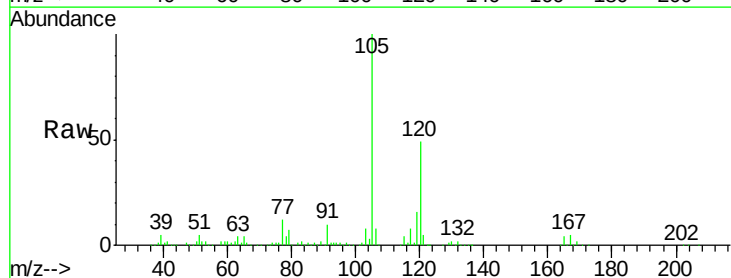
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

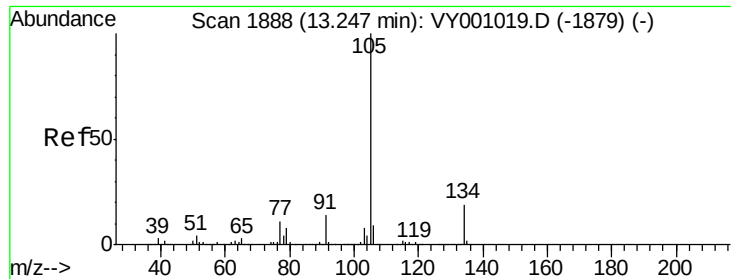
Tgt Ion:119 Resp: 249374
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.9 95.7
 134 26.4 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 49.665 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion:105 Resp: 290238
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.4 70.2





#85

sec-Butylbenzene

Concen: 46.101 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

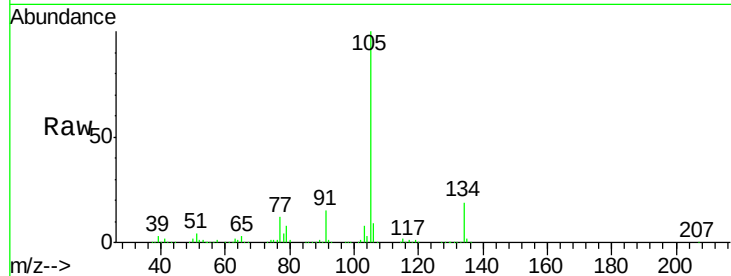
DUNR-BF001-01MSD

Tgt Ion:105 Resp: 331778

Ion Ratio Lower Upper

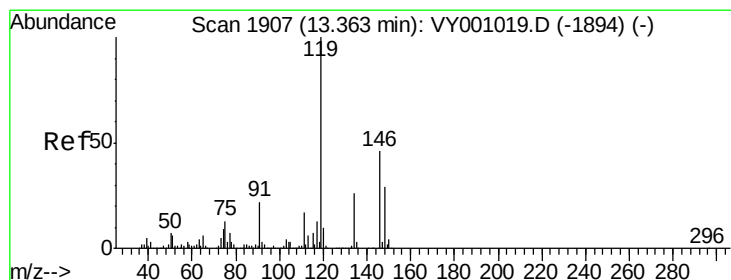
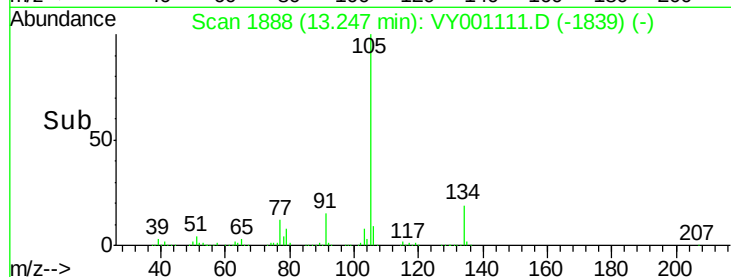
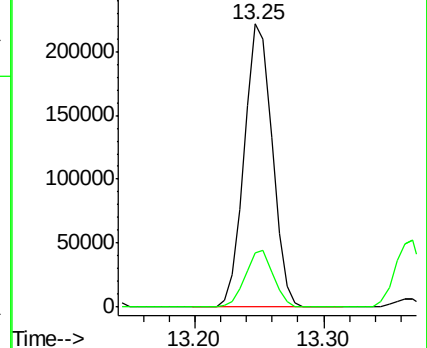
105 100

134 20.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.656 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

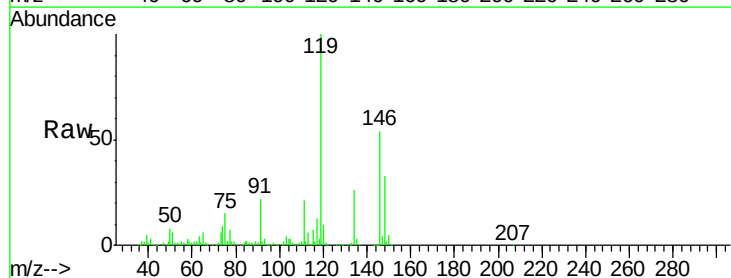
Tgt Ion:119 Resp: 278086

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

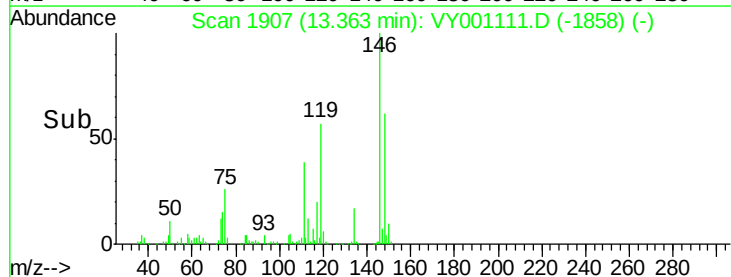
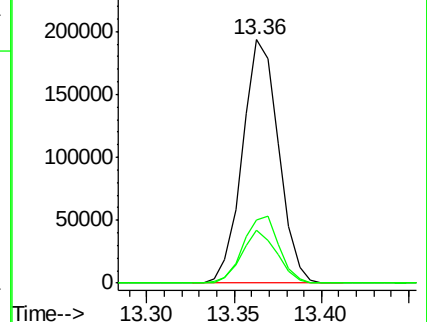
91 21.3 11.4 34.1

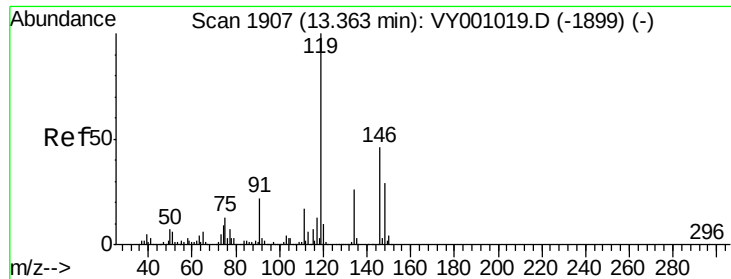


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

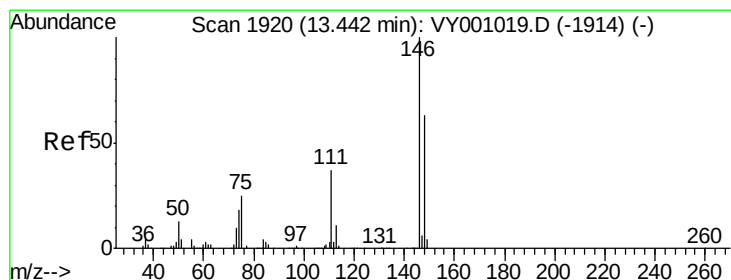
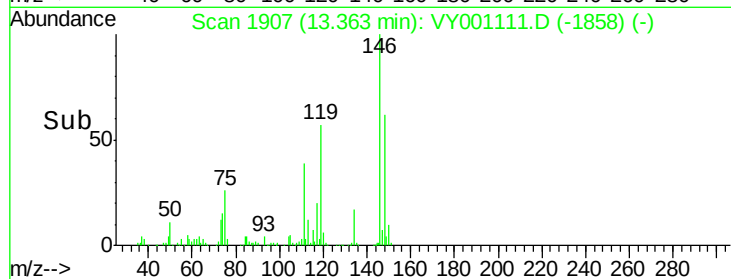
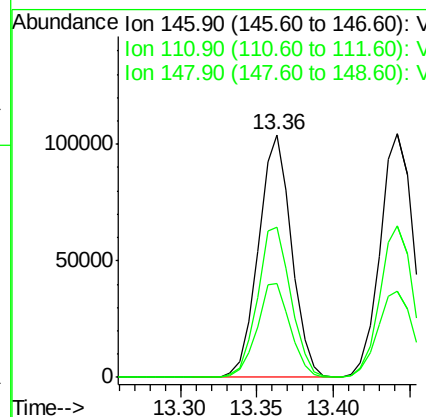
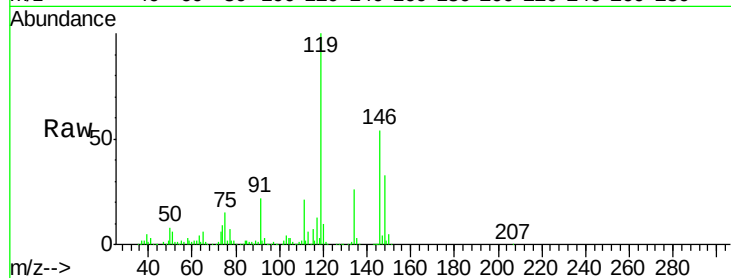




#87
 1,3-Dichlorobenzene
 Concen: 51.026 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

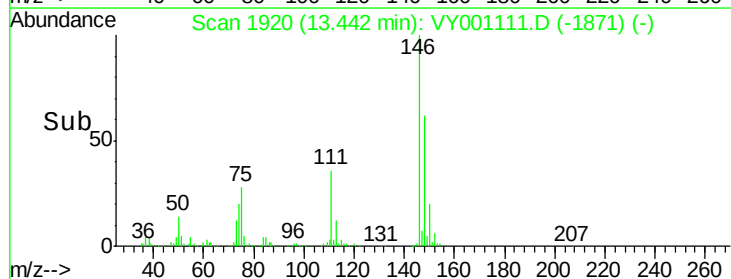
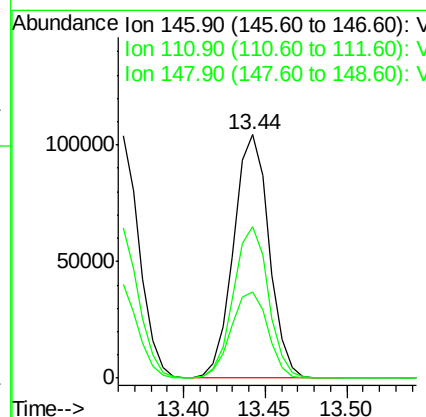
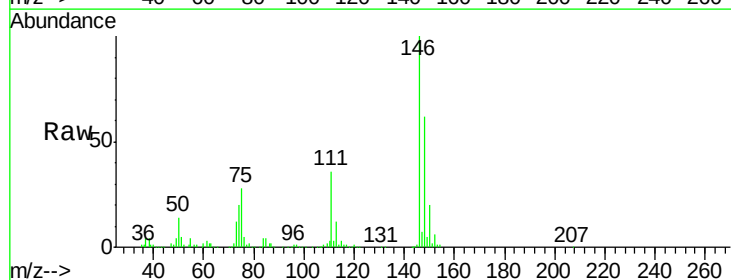
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

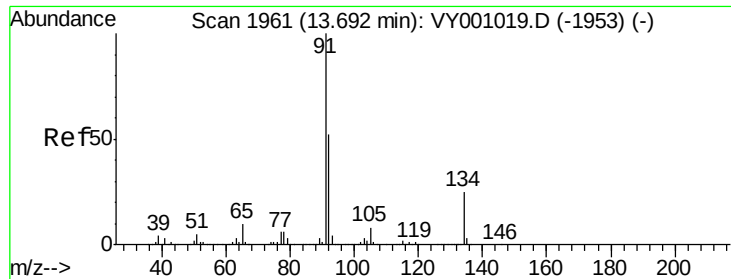
Tgt Ion:146 Resp: 156373
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 62.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 51.121 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion:146 Resp: 158038
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.4 58.2
 148 61.9 31.8 95.3

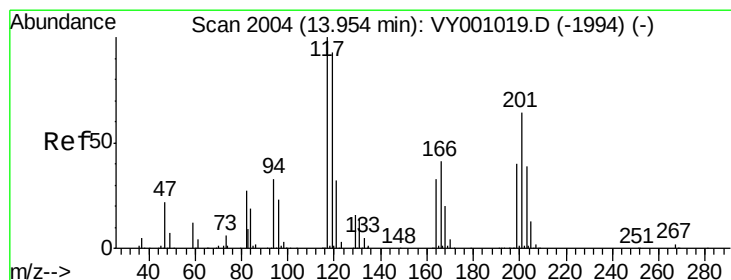
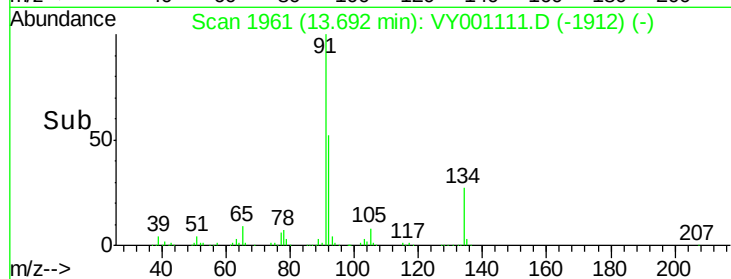
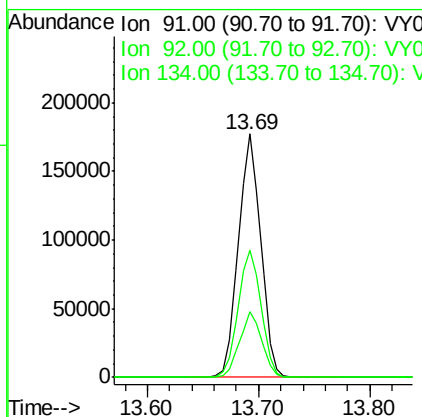
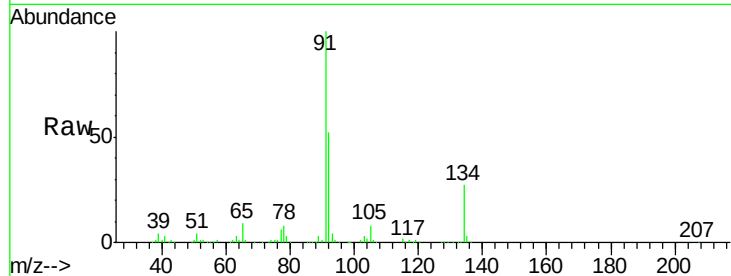




#89
n-Butylbenzene
Concen: 39.337 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

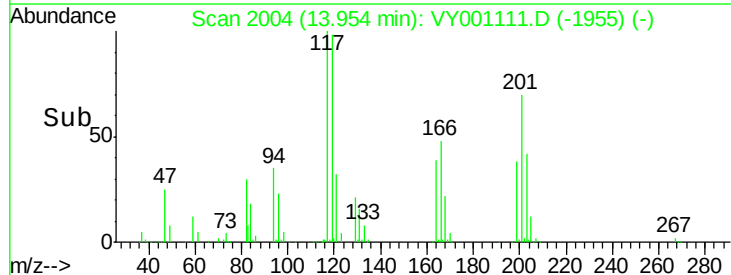
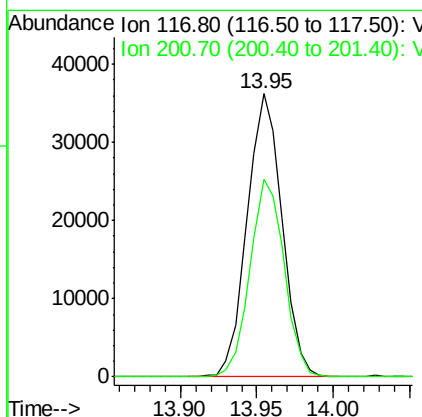
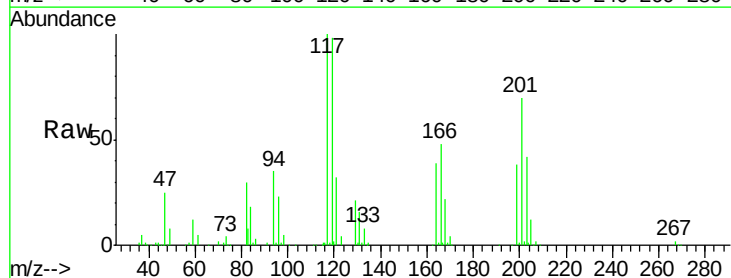
Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

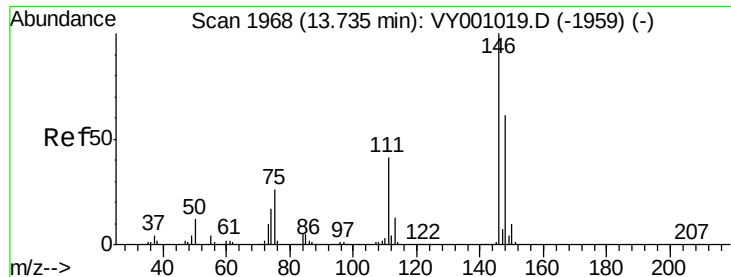
Tgt Ion: 91 Resp: 246460
Ion Ratio Lower Upper
91 100
92 53.4 26.9 80.7
134 26.8 12.7 38.0



#90
Hexachloroethane
Concen: 49.065 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion: 117 Resp: 57565
Ion Ratio Lower Upper
117 100
201 68.4 33.7 101.1

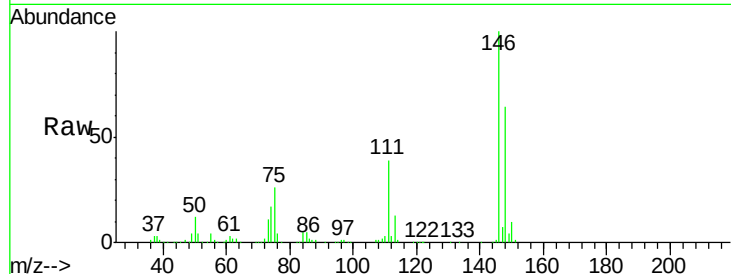




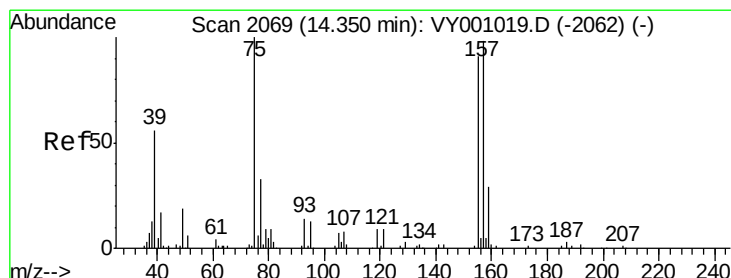
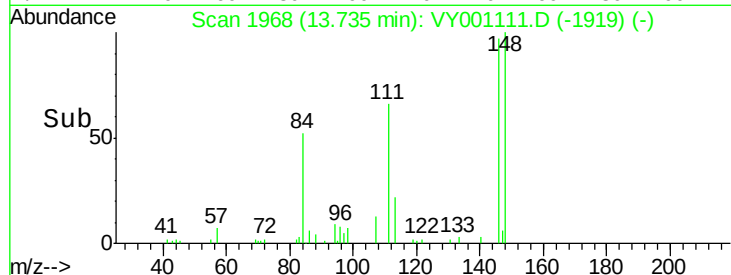
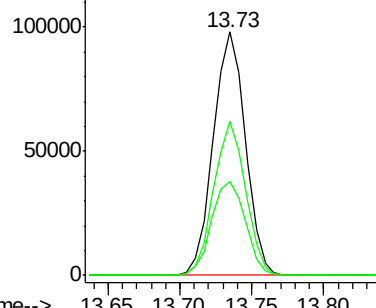
#91
 1,2-Dichlorobenzene
 Concen: 53.523 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	62.1	31.6	94.7

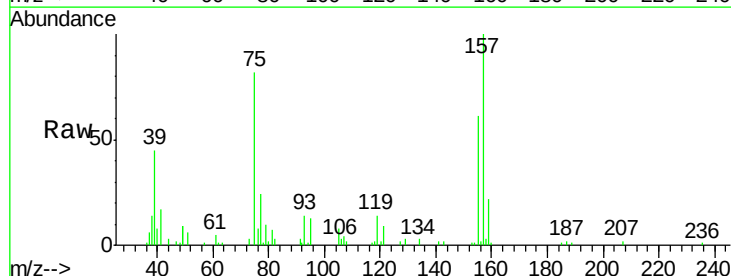


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

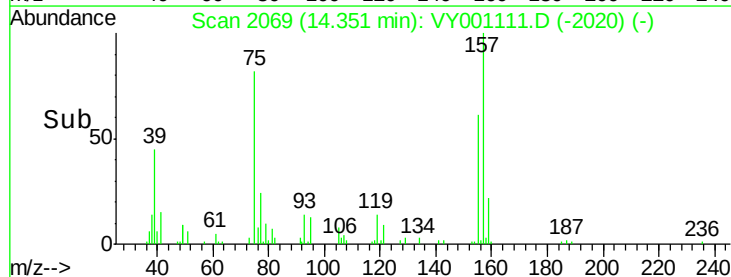
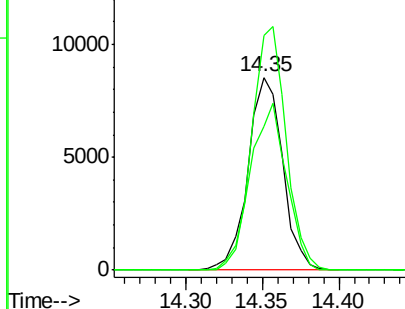


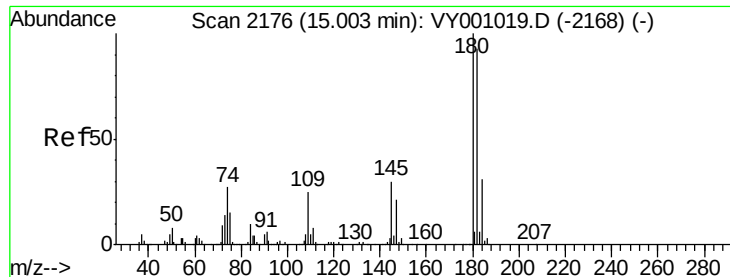
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.650 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001111.D
 Acq: 27 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	46.3	138.9
157	124.6	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: 40.831 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

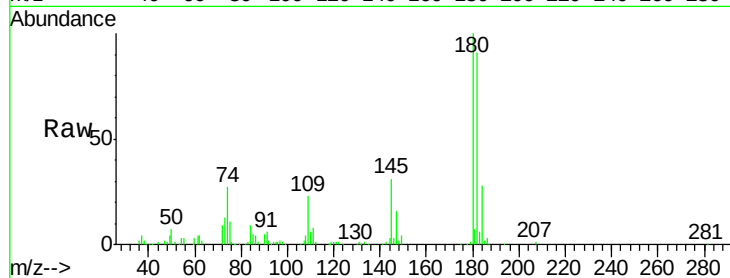
Tgt Ion:180 Resp: 77910

Ion Ratio Lower Upper

180 100

182 92.6 46.8 140.3

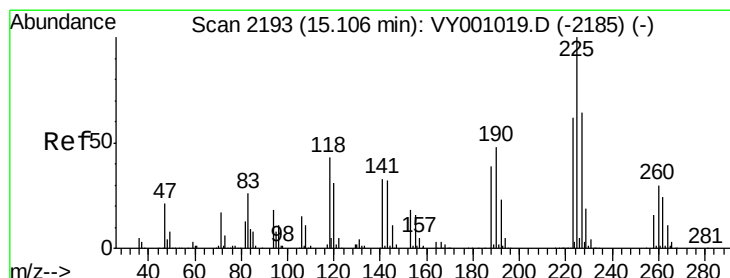
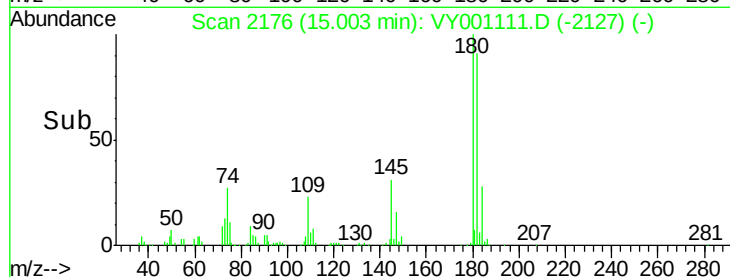
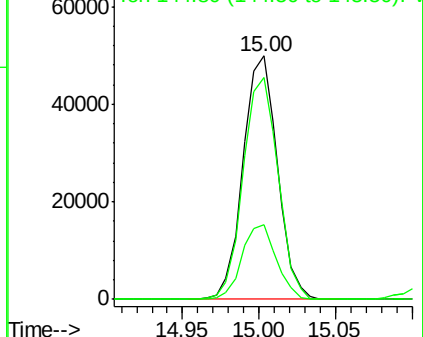
145 30.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 34.054 ug/l

RT: 15.11 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VY001111.D

Acq: 27 Dec 2019 20:07

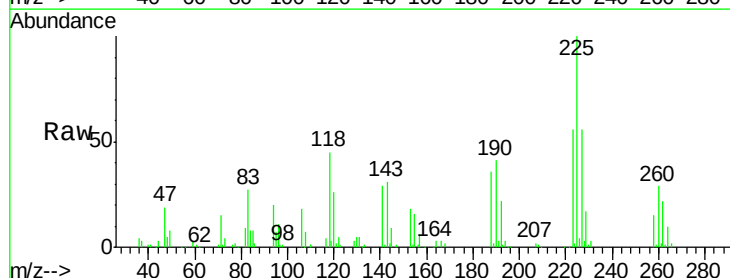
Tgt Ion:225 Resp: 30921

Ion Ratio Lower Upper

225 100

223 55.1 31.6 94.8

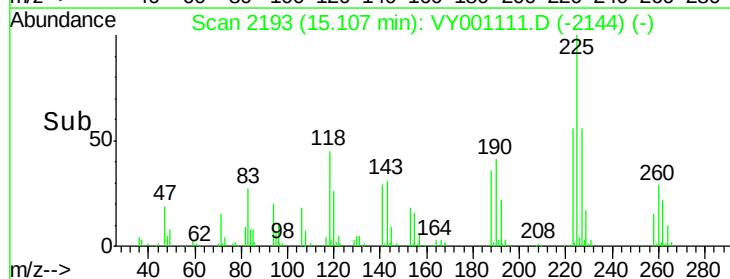
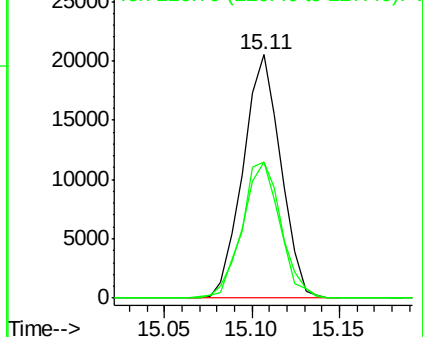
227 58.9 31.9 95.5

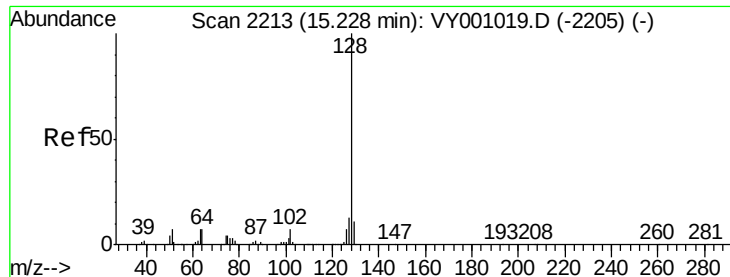


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

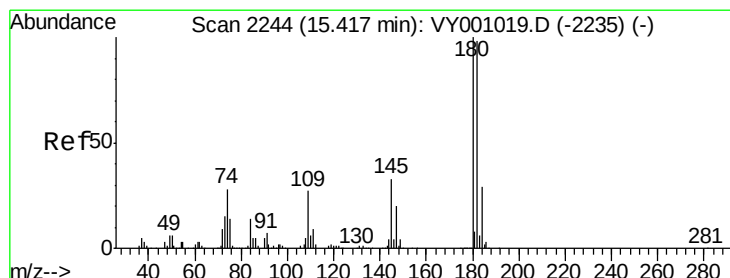
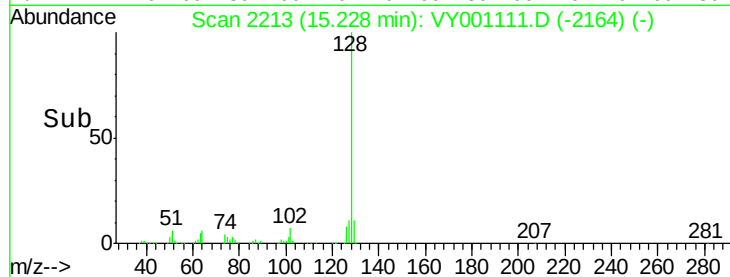
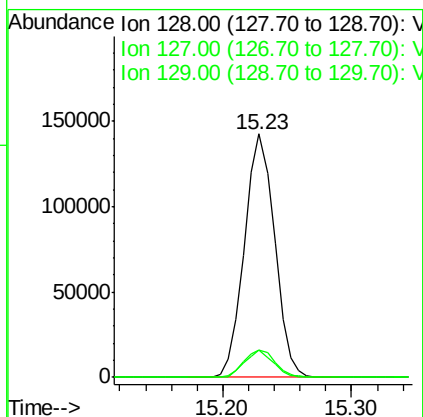
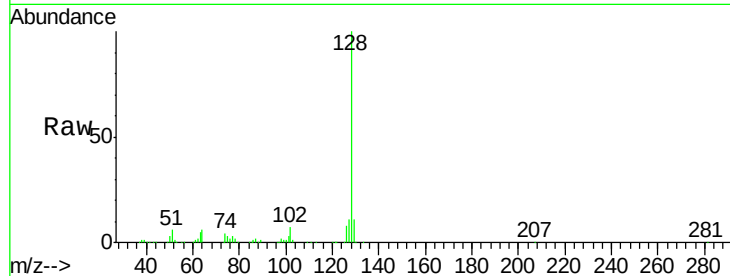




#95
Naphthalene
Concen: 51.525 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tgt Ion:128 Resp: 231211
Ion Ratio Lower Upper
128 100
127 11.5 9.9 14.9
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 41.472 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001111.D
Acq: 27 Dec 2019 20:07

Tgt Ion:180 Resp: 70571
Ion Ratio Lower Upper
180 100
182 90.5 47.9 143.8
145 32.5 16.3 48.9

