

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001110.D
 Acq On : 27 Dec 2019 19:46
 Operator : SY/MD
 Sample : K6438-02MS
 Misc : 5.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Manual Integrations
 APPROVED

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 12/30/2019 3:36:00 PM

Quant Time: Dec 28 05:24:00 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	257070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	448540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	385214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	129271	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.73	113	134779	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.18	98	547596	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.48	95	159885	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	89829	40.101	ug/l	99
3) Chloromethane	2.12	50	102191	33.519	ug/l	99
4) Vinyl Chloride	2.25	62	113548	38.351	ug/l	98
5) Bromomethane	2.65	94	74138	38.974	ug/l	99
6) Chloroethane	2.79	64	76168	41.305	ug/l	92
7) Trichlorofluoromethane	3.13	101	189051	43.534	ug/l	95
8) Diethyl Ether	3.54	74	87227	49.207	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	130924	45.897	ug/l	98
10) Methyl Iodide	4.10	142	171155	43.427	ug/l	99
11) Tert butyl alcohol	4.97	59	59802	214.515	ug/l	100
12) 1,1-Dichloroethene	3.88	96	132453	45.863	ug/l	95
13) Acrolein	3.73	56	8522	24.672	ug/l	99
14) Allyl chloride	4.49	41	197598	44.043	ug/l	97
15) Acrylonitrile	5.18	53	199749	225.470	ug/l	99
16) Acetone	3.95	43	131657	225.404	ug/l	96
17) Carbon Disulfide	4.20	76	346039	36.668	ug/l	100
18) Methyl Acetate	4.49	43	323656	144.431	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	368401	49.424	ug/l	95
20) Methylene Chloride	4.72	84	166200	48.342	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	153226	47.874	ug/l	97
22) Diisopropyl ether	6.13	45	434929	47.961	ug/l	91
23) Vinyl Acetate	6.13	43	235126	41.055	ug/l #	71
24) 1,1-Dichloroethane	6.03	63	261500	48.797	ug/l	98
25) 2-Butanone	7.00	43	220749	215.133	ug/l	94
26) 2,2-Dichloropropane	6.99	77	191793	43.561	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	178070	50.641	ug/l	98
28) Bromochloromethane	7.35	49	112255	53.687	ug/l	96
29) Tetrahydrofuran	7.35	42	154971	212.320	ug/l	94
30) Chloroform	7.52	83	259387	51.188	ug/l	97
31) Cyclohexane	7.79	56	208401	36.982	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	207936	48.104	ug/l	99
36) 1,1-Dichloropropene	7.93	75	194857	45.538	ug/l	99
37) Ethyl Acetate	7.08	43	43747	18.464	ug/l	98
38) Carbon Tetrachloride	7.91	117	175184	46.727	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	208365	36.669	ug/l	98
40) Benzene	8.17	78	638372	49.451	ug/l	98
41) Methacrylonitrile	7.32	41	45491m	44.285	ug/l	
42) 1,2-Dichloroethane	8.24	62	150508	48.765	ug/l	99
43) Isopropyl Acetate	8.28	43	112242	25.591	ug/l #	90
44) Trichloroethene	8.94	130	163566	48.089	ug/l	98
45) 1,2-Dichloropropane	9.22	63	158402	48.912	ug/l	95
46) Dibromomethane	9.31	93	82434	49.379	ug/l	97
47) Bromodichloromethane	9.50	83	199038	51.471	ug/l	99
48) Methyl methacrylate	9.30	41	109738	58.630	ug/l	94
49) 1,4-Dioxane	9.30	88	24773	1014.426	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	476790	208.563	ug/l	97
52) Toluene	10.24	92	387293	48.743	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	202217	48.184	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	243809	48.313	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	127688	51.234	ug/l	94
56) Ethyl methacrylate	10.51	69	73128	20.617	ug/l	95
57) 1,3-Dichloropropane	10.79	76	211442	48.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	281238	205.283	ug/l	99
59) 2-Hexanone	10.83	43	307291	194.263	ug/l	96
60) Dibromochloromethane	10.99	129	137378	51.604	ug/l	98
61) 1,2-Dibromoethane	11.09	107	115644	48.524	ug/l	100
64) Tetrachloroethene	10.72	164	152074	45.627	ug/l	97
65) Chlorobenzene	11.52	112	396694	49.645	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	138973	52.703	ug/l	98
67) Ethyl Benzene	11.59	91	688268	47.888	ug/l	97
68) m/p-Xylenes	11.70	106	524436	96.101	ug/l	96
69) o-Xylene	12.02	106	257031	50.066	ug/l	96
70) Styrene	12.04	104	409267	46.884	ug/l	99
71) Bromoform	12.20	173	76397	52.032	ug/l #	97
73) Isopropylbenzene	12.33	105	624249	52.941	ug/l	99
74) N-amyl acetate	12.14	43	14854	4.795	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	132897	57.211	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	103171m	54.923	ug/l	
77) Bromobenzene	12.60	156	146255	55.150	ug/l	96
78) n-propylbenzene	12.67	91	710215	49.431	ug/l	100
79) 2-Chlorotoluene	12.75	91	397984	50.158	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	484868	50.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45261	51.388	ug/l	99
82) 4-Chlorotoluene	12.85	91	403486	48.958	ug/l	99
83) tert-Butylbenzene	13.07	119	415577	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	481651	49.590	ug/l	99
85) sec-Butylbenzene	13.25	105	542644	45.367	ug/l	98
86) p-Isopropyltoluene	13.36	119	440758	42.586	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	243527	47.813	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	247632	48.196	ug/l	99
89) n-Butylbenzene	13.69	91	395003	37.934	ug/l	98
90) Hexachloroethane	13.95	117	95180	48.812	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	230824	49.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	19237	49.498	ug/l	96

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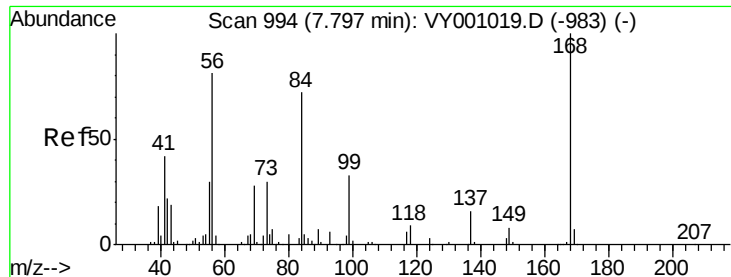
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	110914	34.975	ug/l	100
94) Hexachlorobutadiene	15.11	225	44526	29.505	ug/l	98
95) Naphthalene	15.23	128	309000	41.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	98321	34.766	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion:168 Resp: 257070

Ion Ratio Lower Upper

168 100

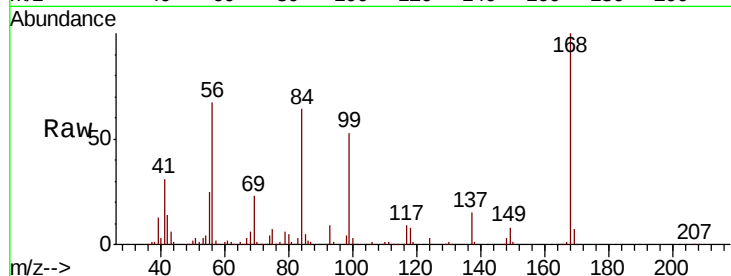
99 53.4 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): VY001110.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001110.D (-945) (-)

7.80

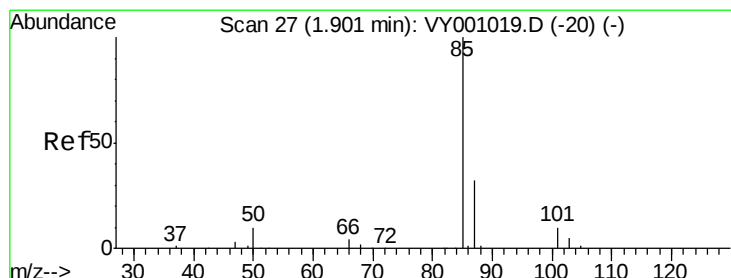
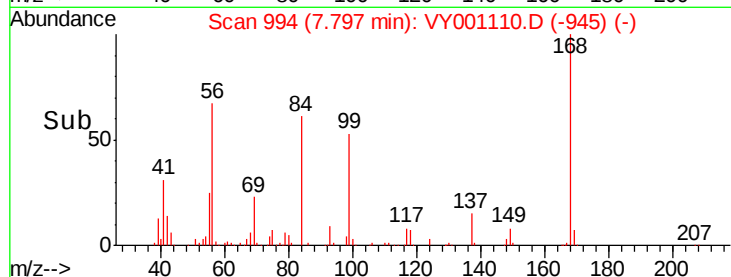
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 40.101 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001110.D

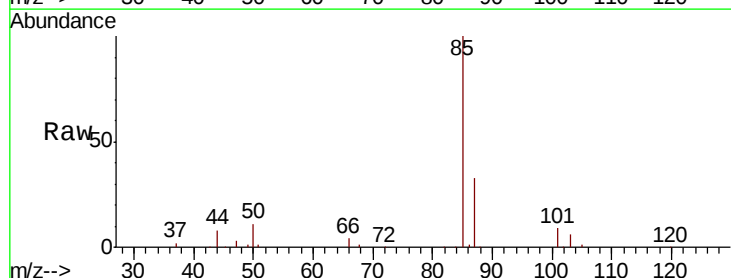
Acq: 27 Dec 2019 19:46

Tgt Ion: 85 Resp: 89829

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001110.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001110.D (-1) (-)

1.90

60000

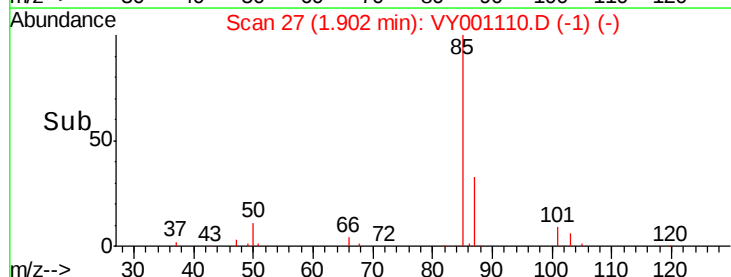
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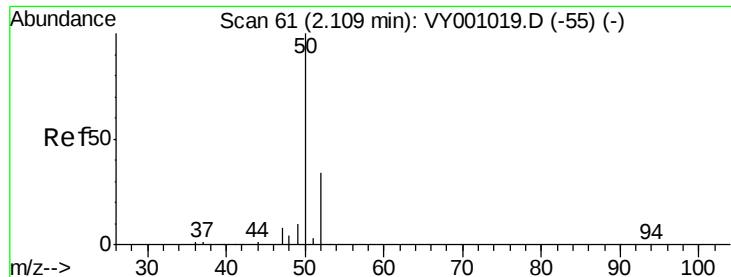
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 33.519 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 50 Resp: 102191

Ion Ratio Lower Upper

50 100

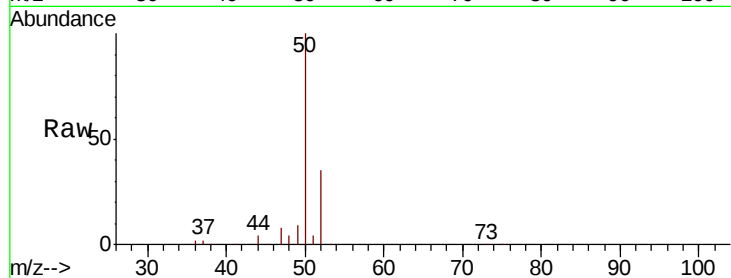
52 34.5 27.1 40.7

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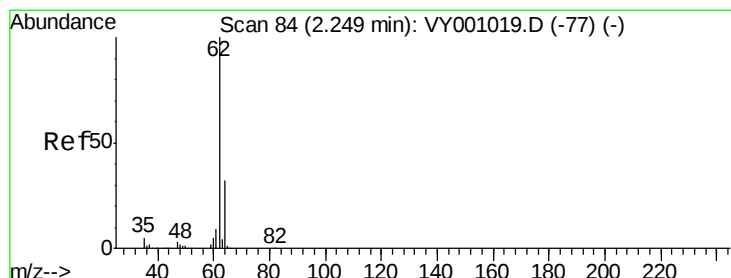
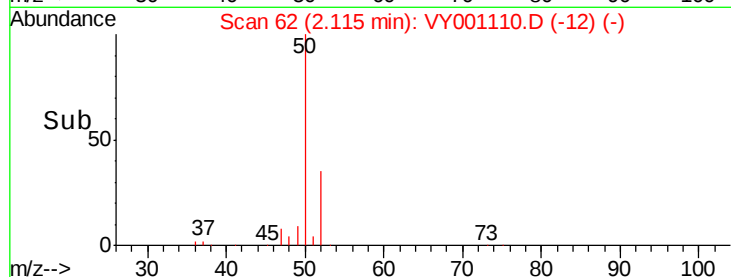
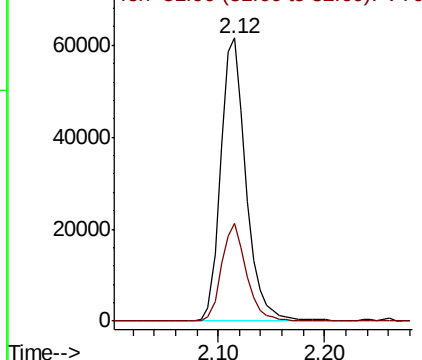
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 38.351 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001110.D

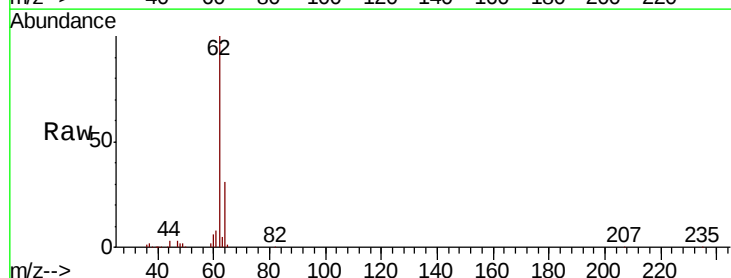
Acq: 27 Dec 2019 19:46

Tgt Ion: 62 Resp: 113548

Ion Ratio Lower Upper

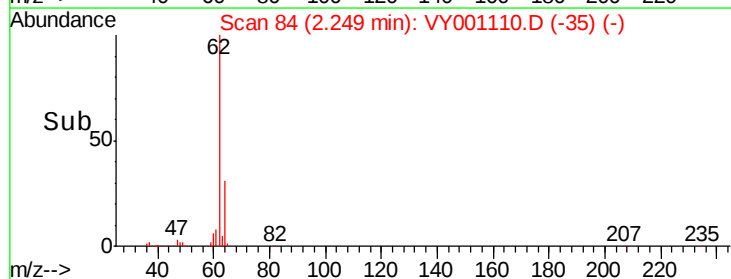
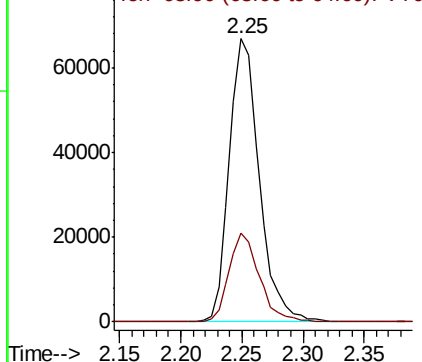
62 100

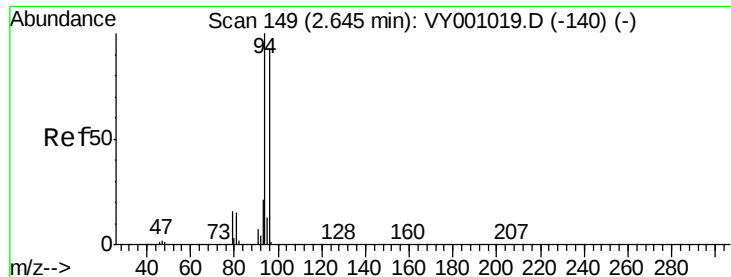
64 31.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 38.974 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 94 Resp: 74138

Ion Ratio Lower Upper

94 100

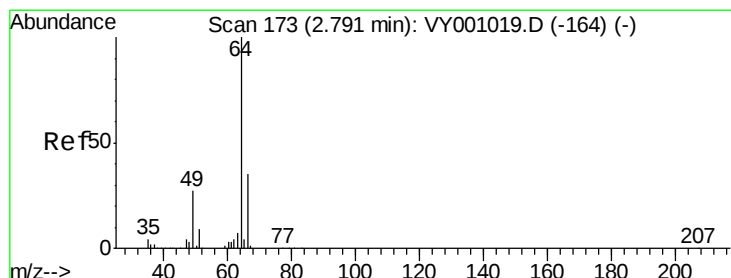
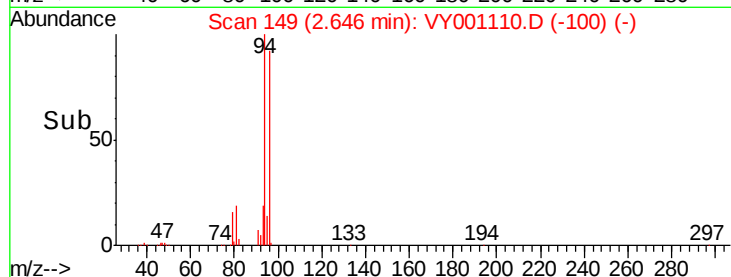
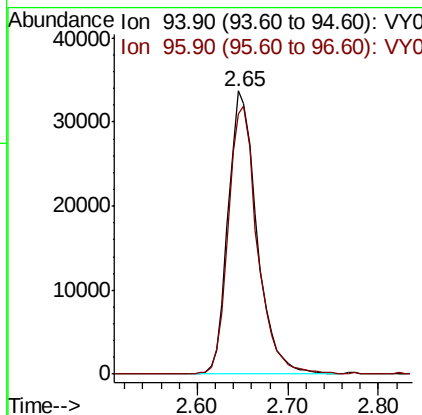
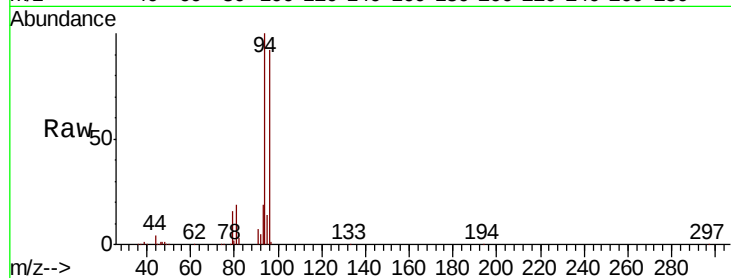
96 92.0 74.2 111.4

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#6

Chloroethane

Concen: 41.305 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001110.D

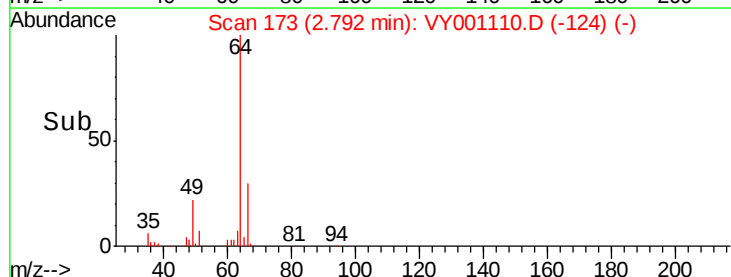
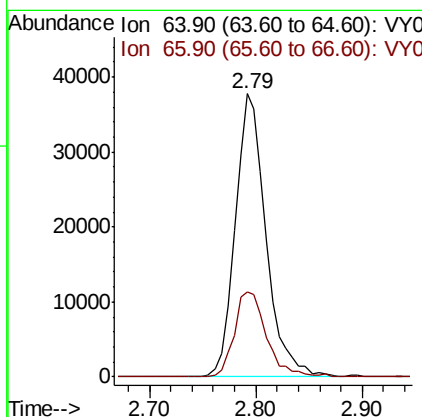
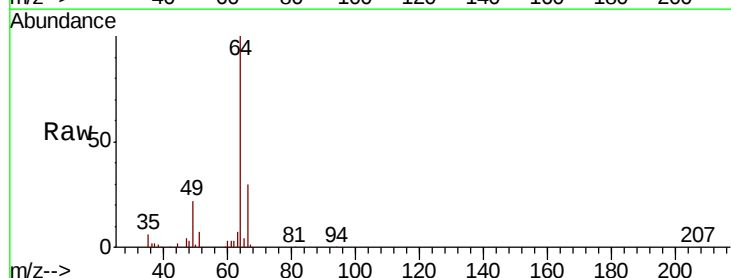
Acq: 27 Dec 2019 19:46

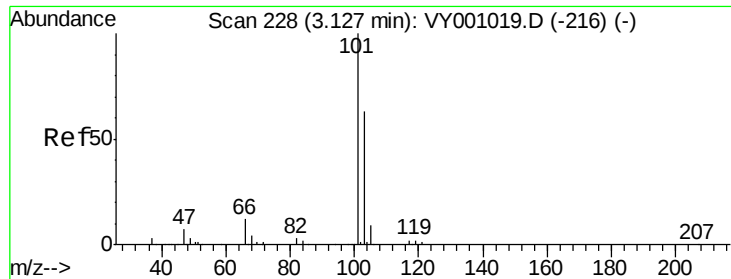
Tgt Ion: 64 Resp: 76168

Ion Ratio Lower Upper

64 100

66 30.0 27.8 41.6





#7

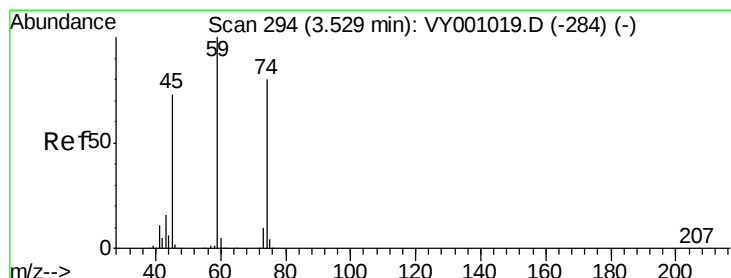
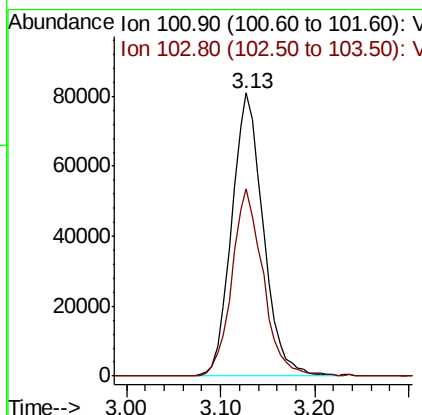
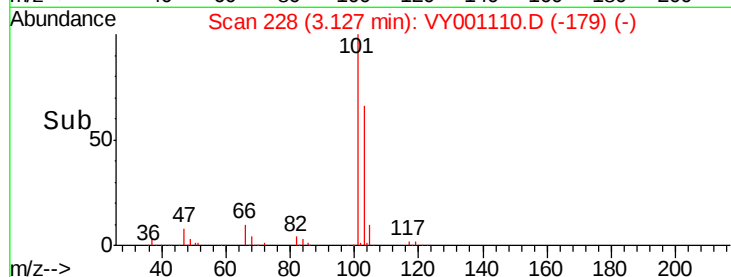
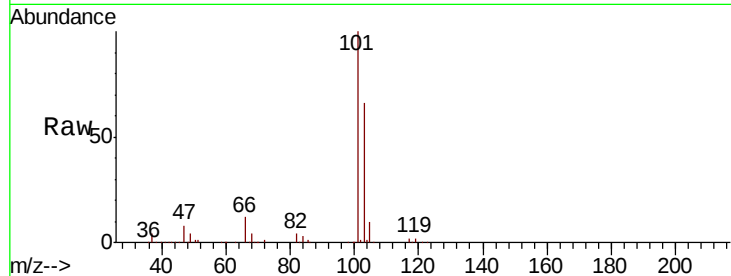
Trichlorofluoromethane
Concen: 43.534 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	189051		
103	66.4	50.2	50.2	75.2

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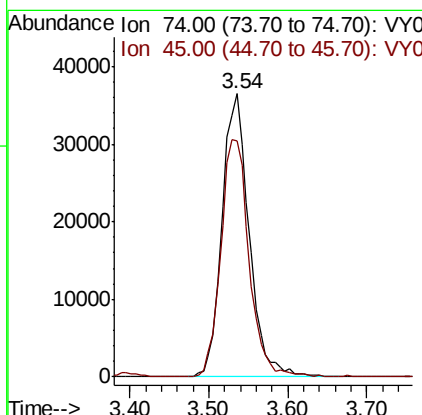
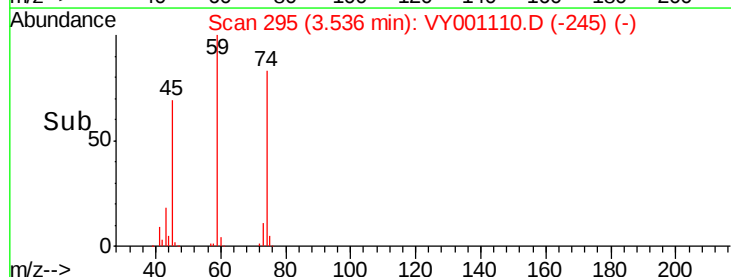
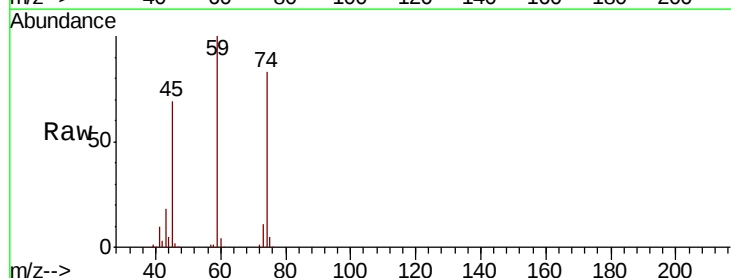
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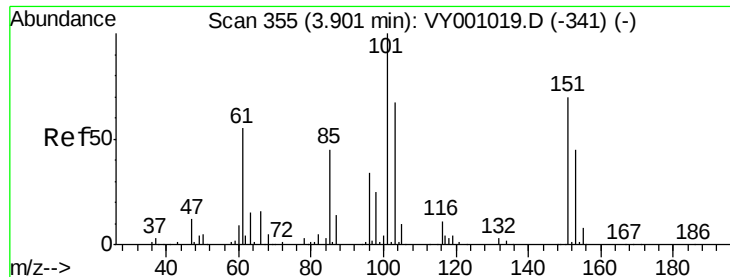


#8

Diethyl Ether
Concen: 49.207 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	87227		
45	87.7	46.4	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.897 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

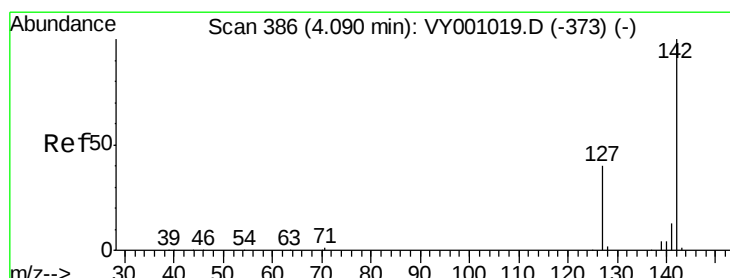
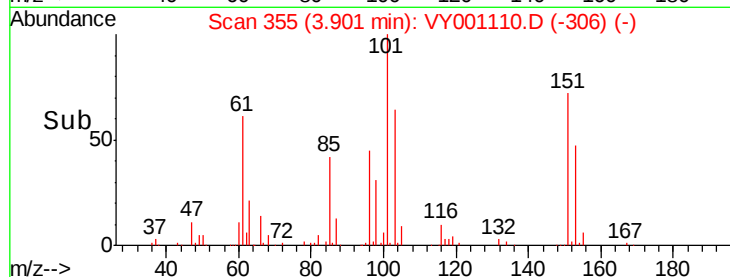
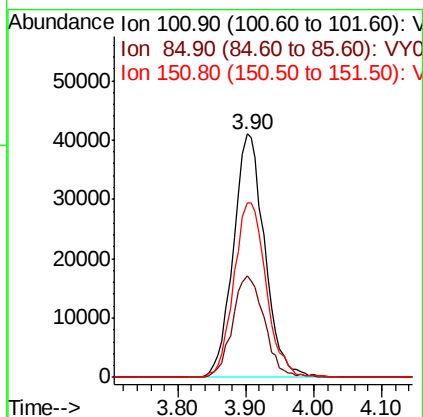
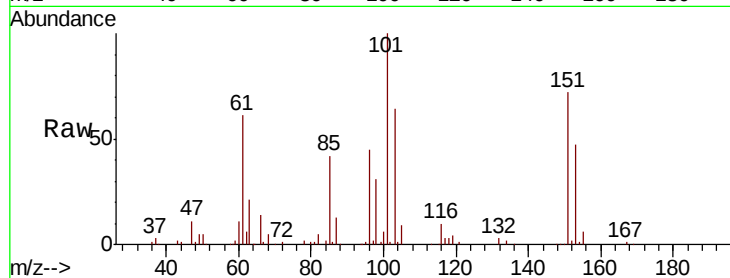
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	101	Resp:	130924
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	74.0	57.0	85.6

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#10

Methyl Iodide

Concen: 43.427 ug/l

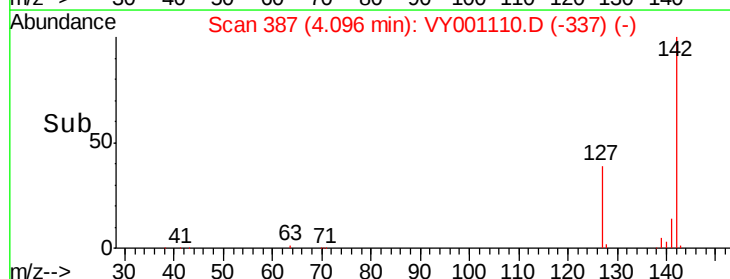
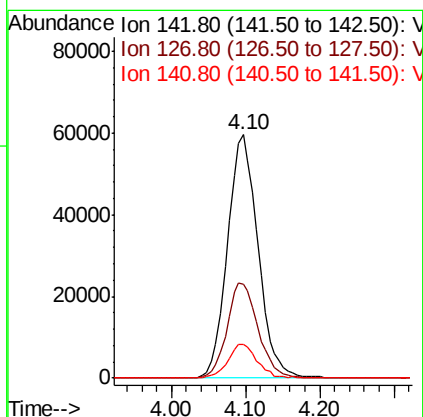
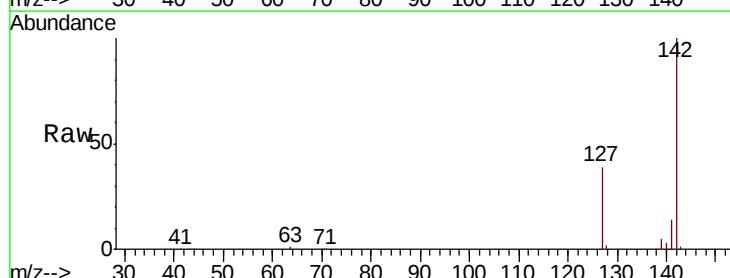
RT: 4.10 min Scan# 387

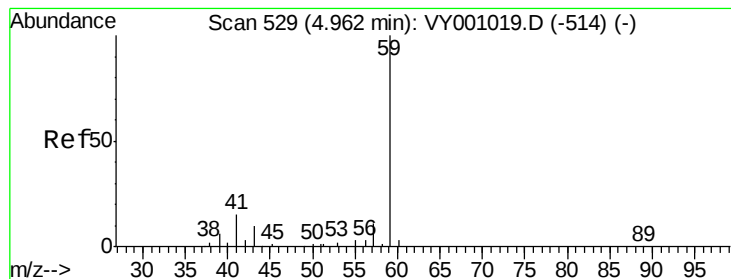
Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	142	Resp:	171155
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.2	46.8
141	13.4	11.0	16.4





#11

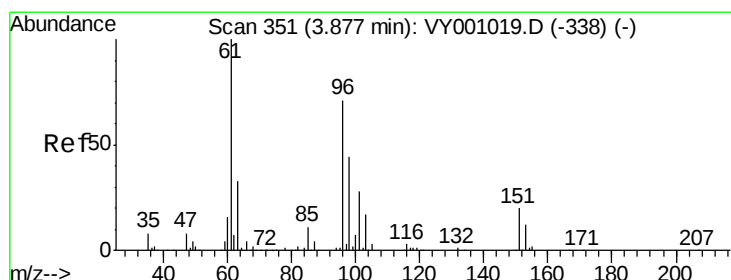
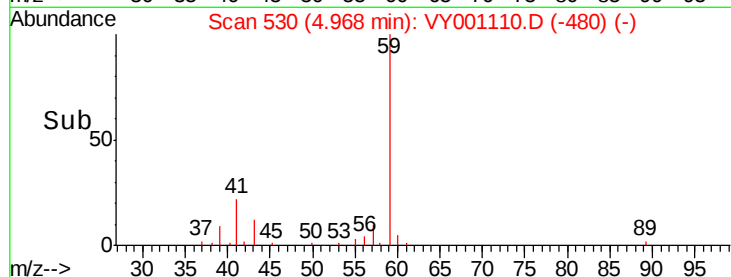
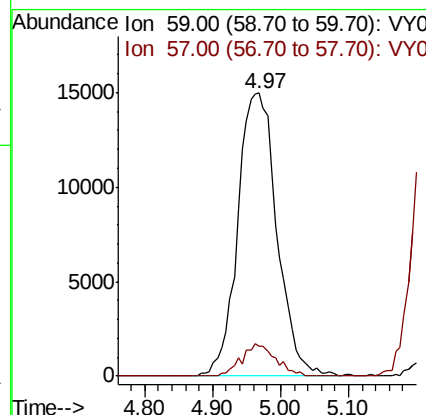
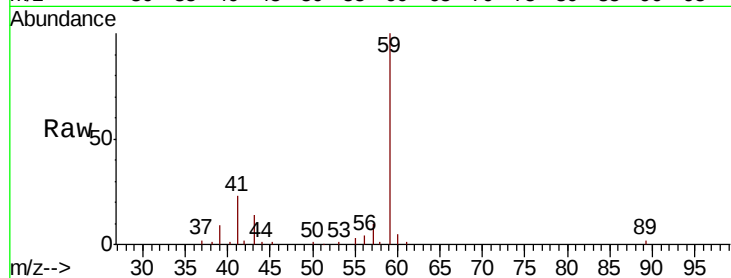
Tert butyl alcohol
Concen: 214.515 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

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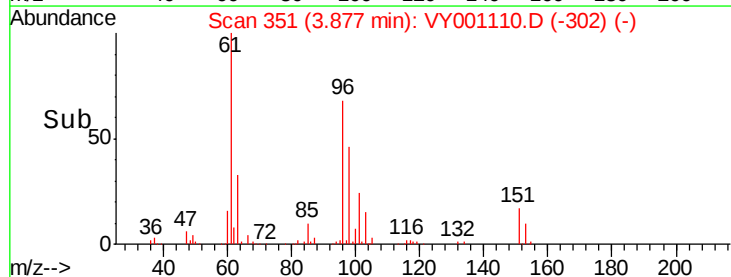
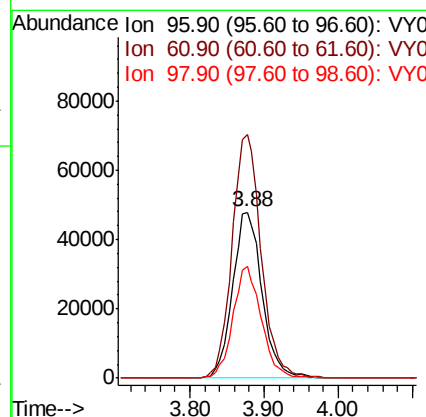
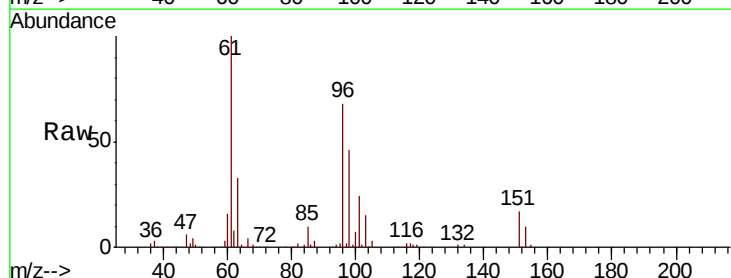
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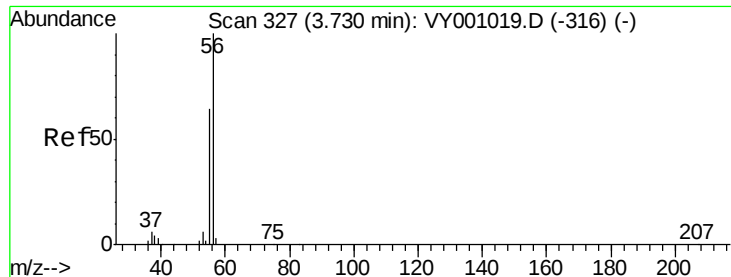


#12

1,1-Dichloroethene
Concen: 45.863 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	113.0	169.4
98	67.6	49.8	74.8





#13

Acrolein

Concen: 24.672 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 56 Resp: 8522

Ion Ratio Lower Upper

56 100

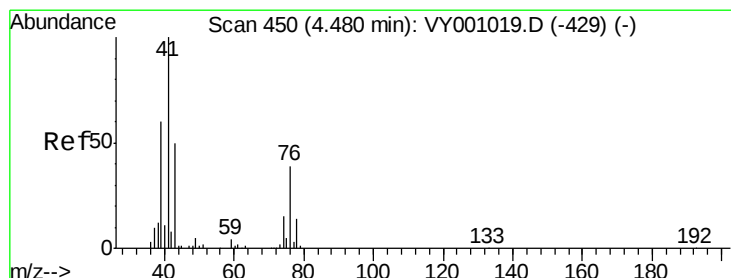
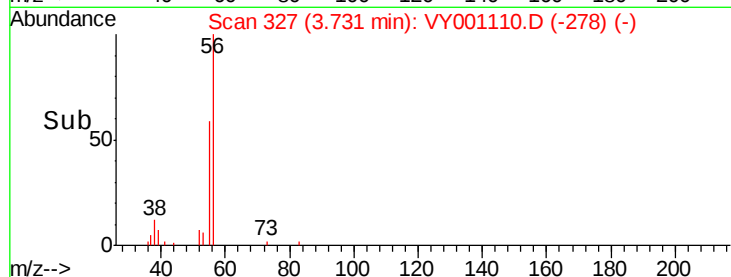
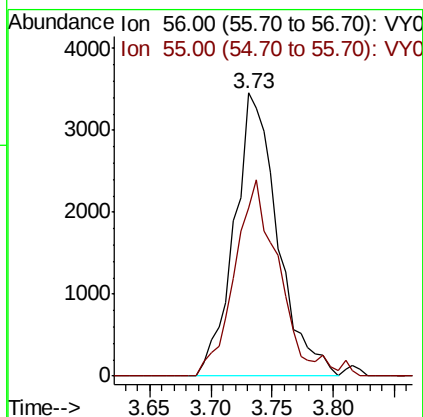
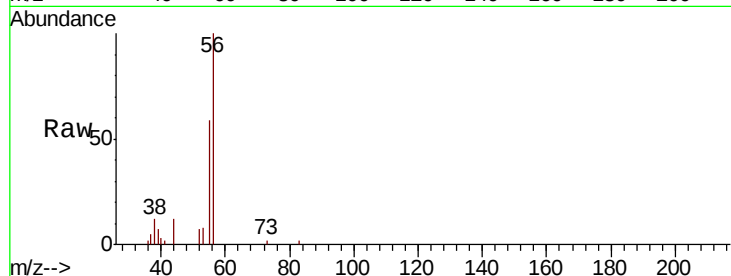
55 70.5 55.6 83.4

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#14

Allyl chloride

Concen: 44.043 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

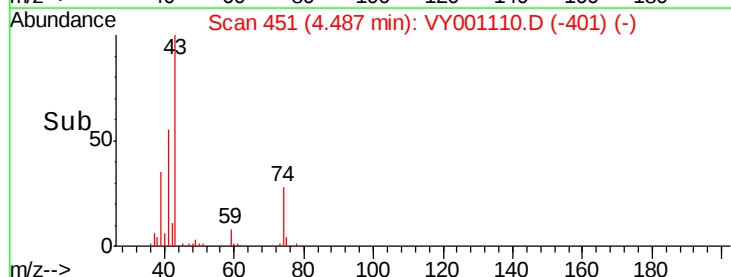
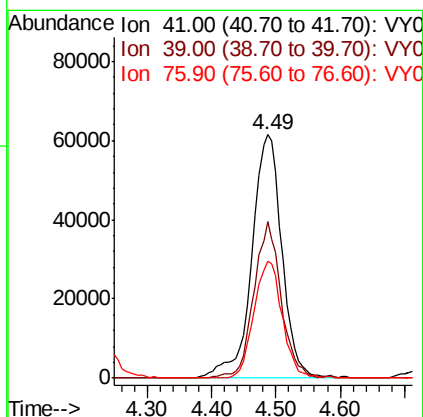
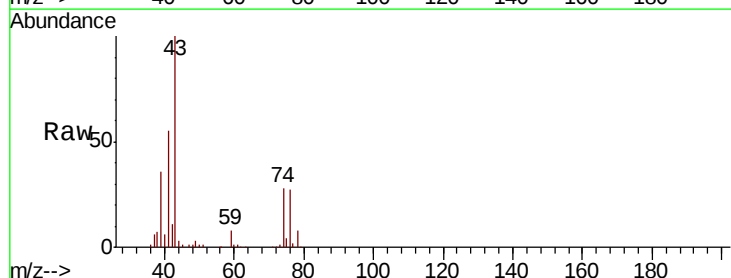
Tgt Ion: 41 Resp: 197598

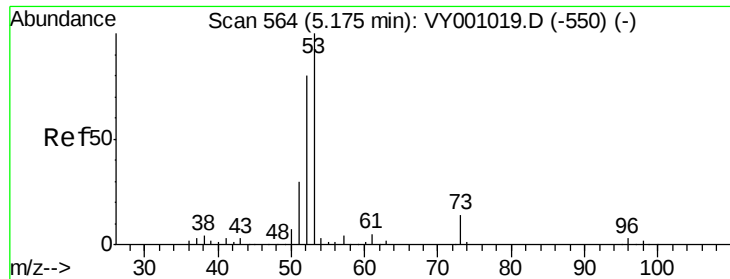
Ion Ratio Lower Upper

41 100

39 57.7 46.0 69.0

76 45.1 32.6 48.8





#15

Acrylonitrile

Concen: 225.470 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

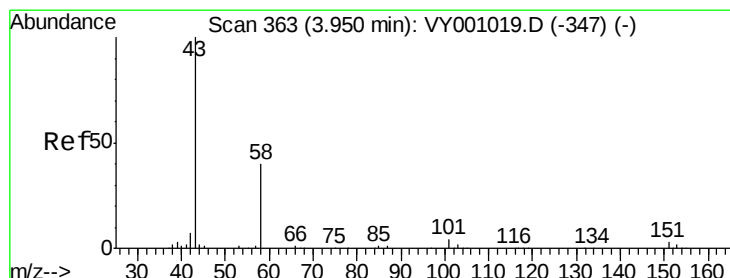
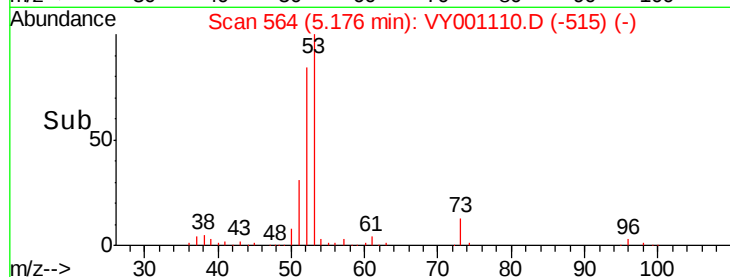
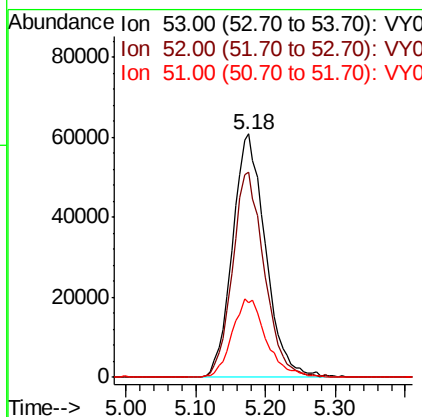
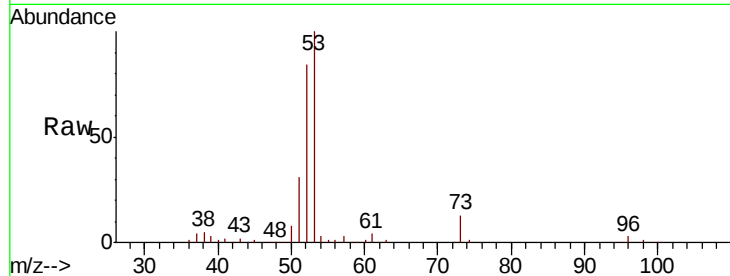
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	53	Resp:	199749
Ion	Ratio	Lower	Upper
53	100		
52	81.1	63.6	95.4
51	33.4	26.7	40.1

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#16

Acetone

Concen: 225.404 ug/l

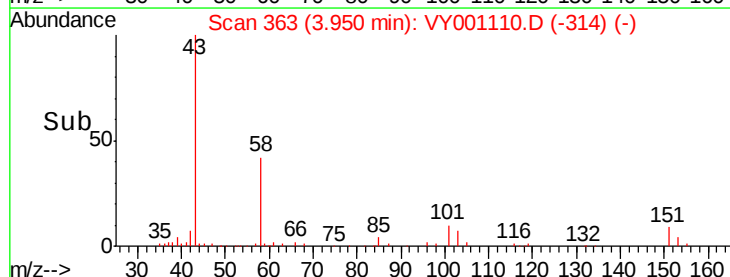
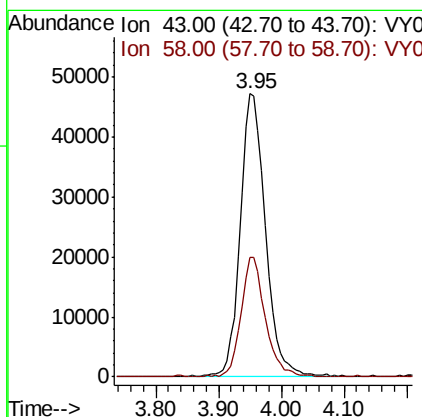
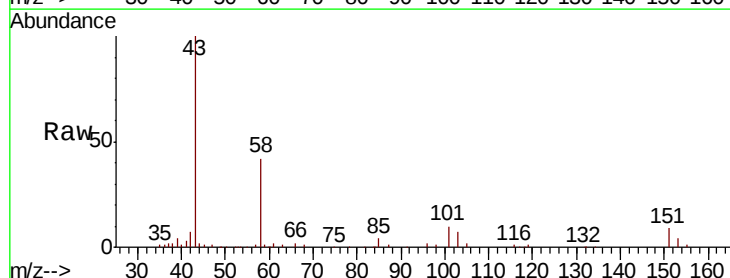
RT: 3.95 min Scan# 363

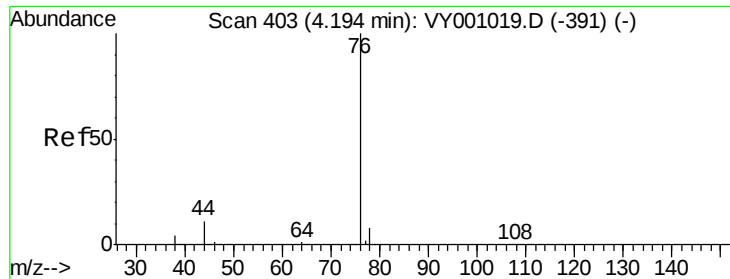
Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	43	Resp:	131657
Ion	Ratio	Lower	Upper
43	100		
58	42.3	32.1	48.1





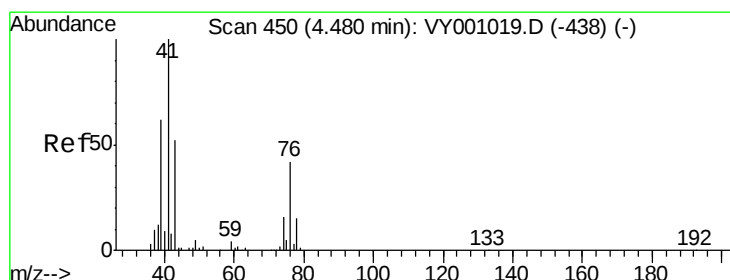
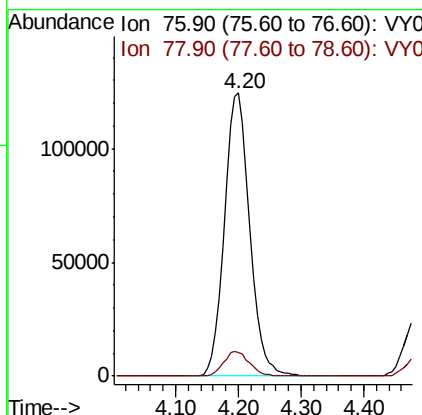
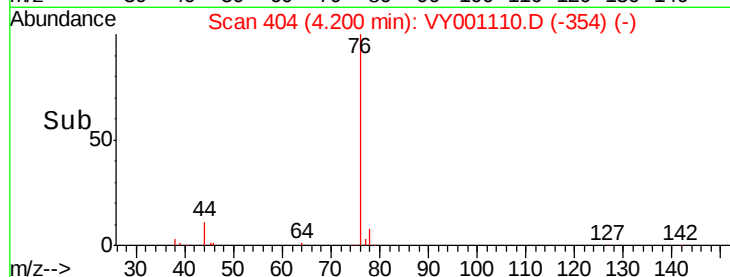
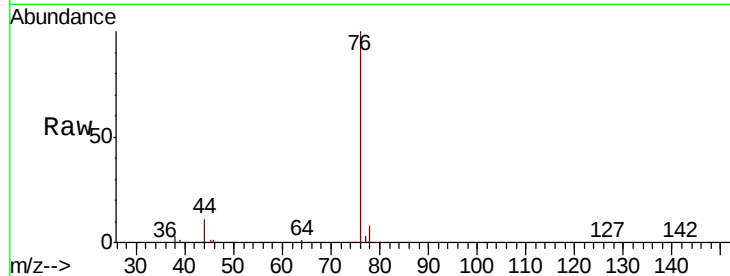
#17
Carbon Disulfide
Concen: 36.668 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion: 76 Resp: 346039
Ion Ratio Lower Upper
76 100
78 8.5 6.7 10.1

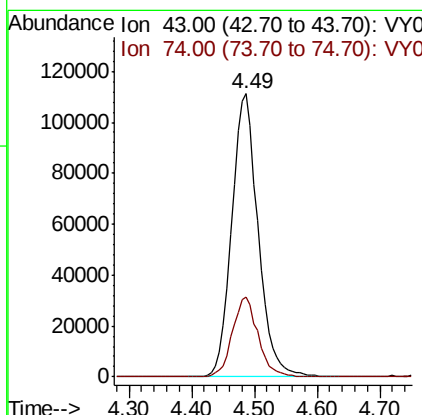
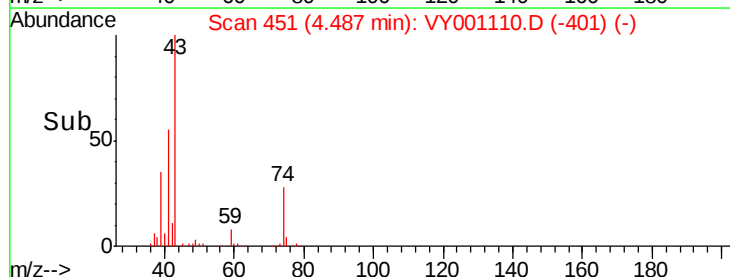
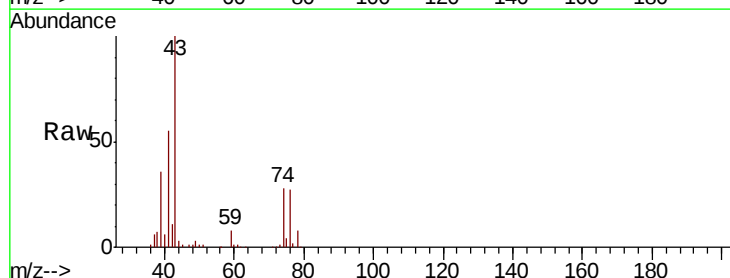
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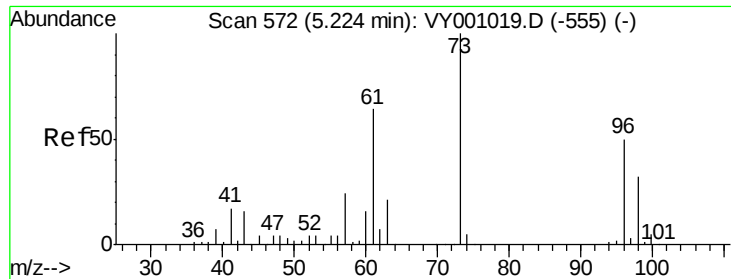
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#18
Methyl Acetate
Concen: 144.431 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion: 43 Resp: 323656
Ion Ratio Lower Upper
43 100
74 27.5 20.7 31.1





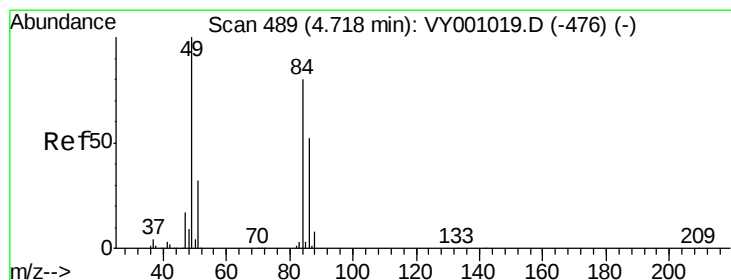
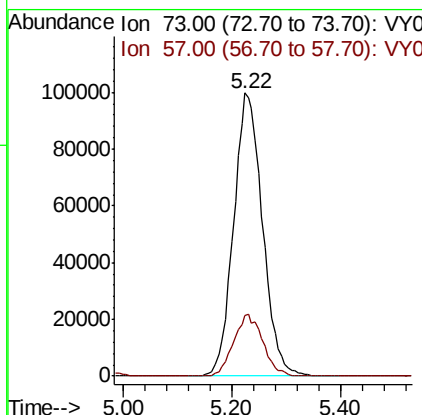
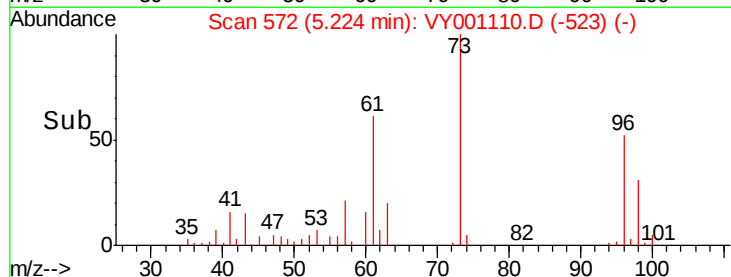
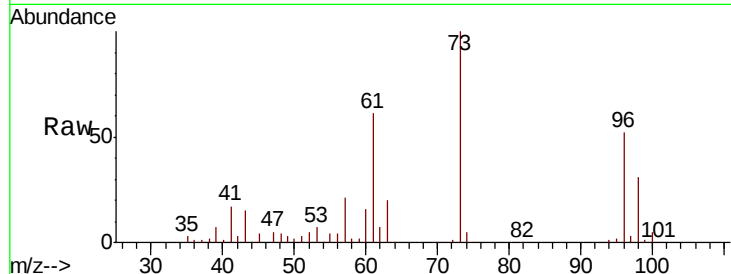
#19
Methvl tert-butvl Ether
Concen: 49.424 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion: 73 Resp: 368401
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6

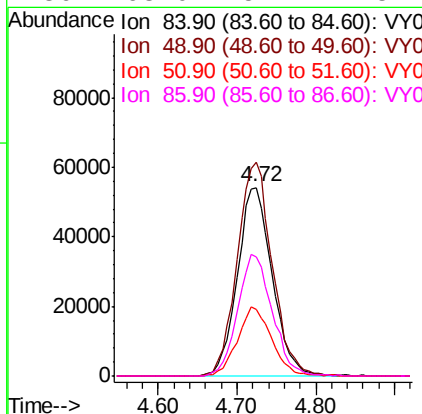
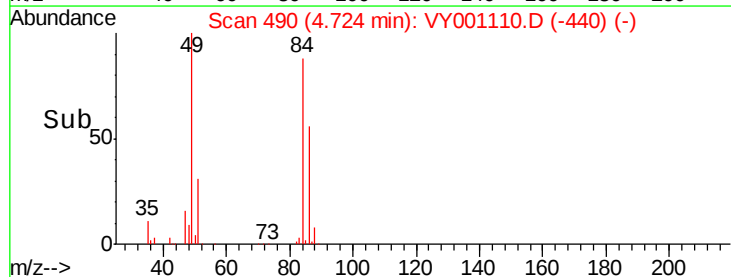
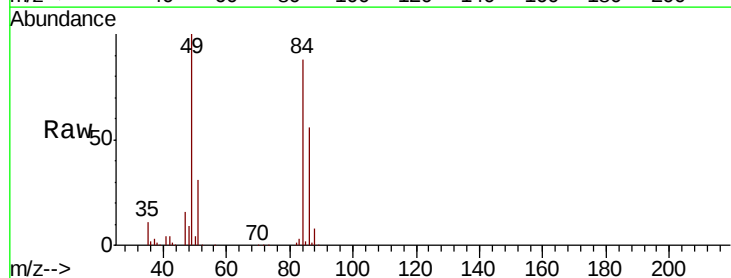
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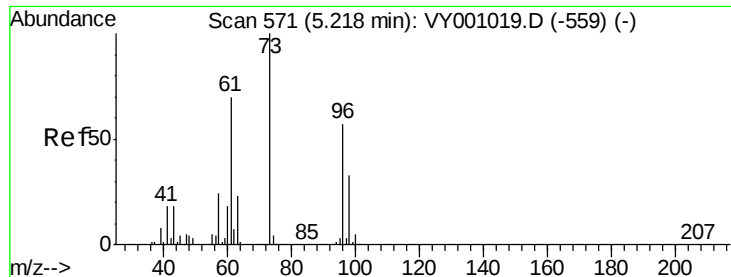
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#20
Methylene Chloride
Concen: 48.342 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion: 84 Resp: 166200
Ion Ratio Lower Upper
84 100
49 113.4 99.8 149.6
51 35.2 31.4 47.2
86 63.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.874 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 96 Resp: 153226

Ion Ratio Lower Upper

96 100

61 117.6 98.1 147.1

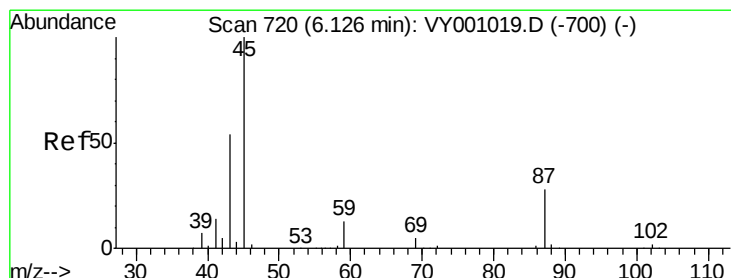
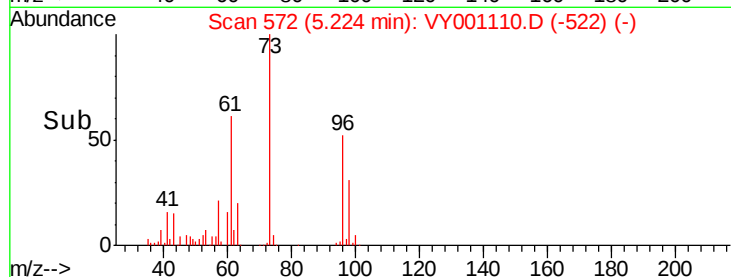
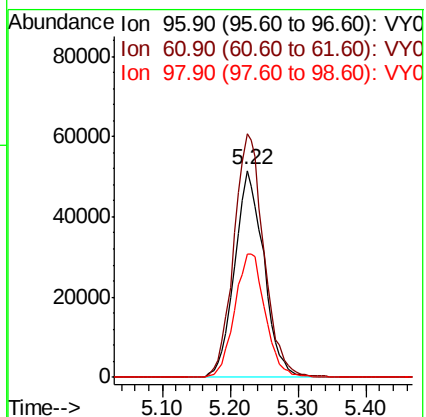
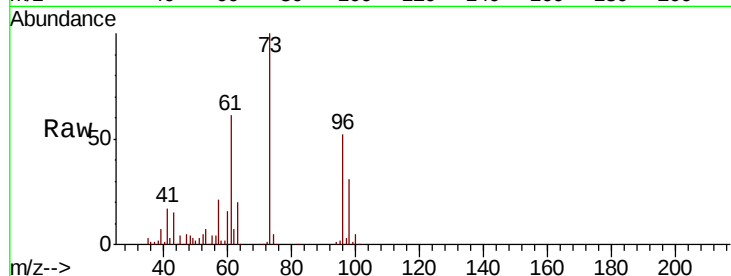
98 59.7 47.2 70.8

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#22

Diisopropyl ether

Concen: 47.961 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion: 45 Resp: 434929

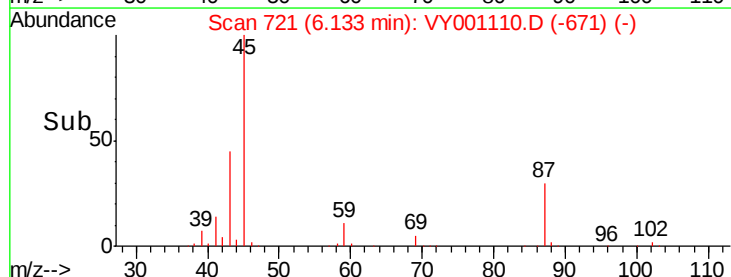
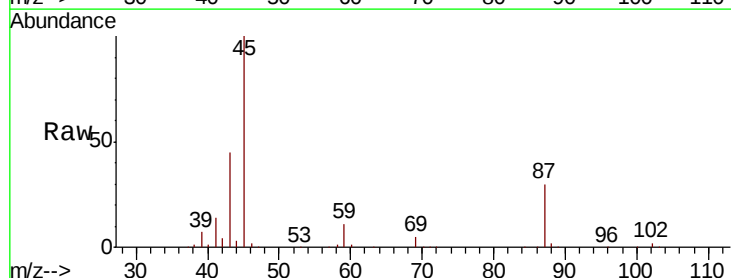
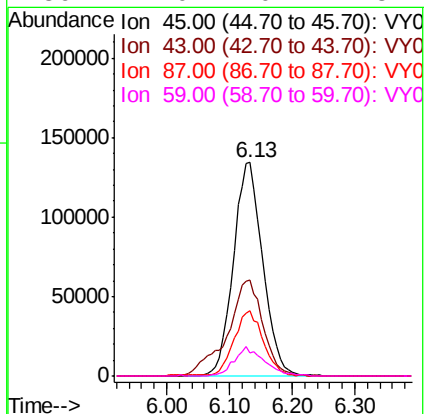
Ion Ratio Lower Upper

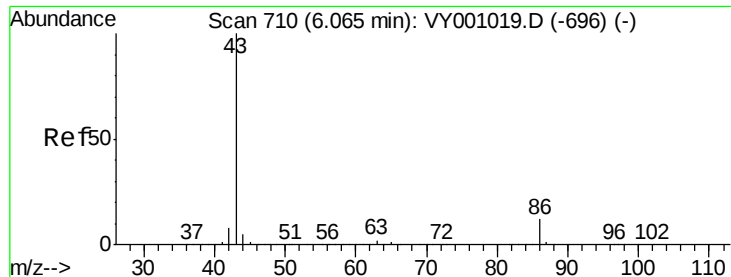
45 100

43 44.6 43.6 65.4

87 30.5 23.1 34.7

59 11.0 10.2 15.4





#23

Vinyl Acetate

Concen: 41.055 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.07 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 43 Resp: 235126

Ion Ratio Lower Upper

43 100

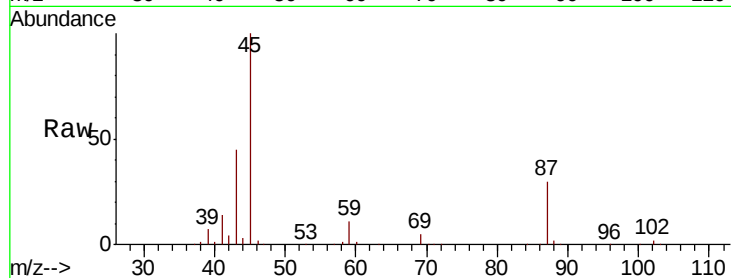
86 0.6 9.5 14.3#

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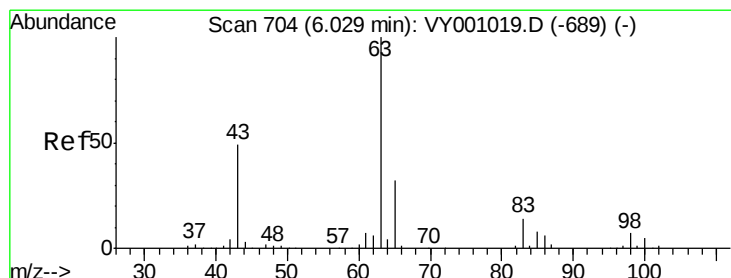
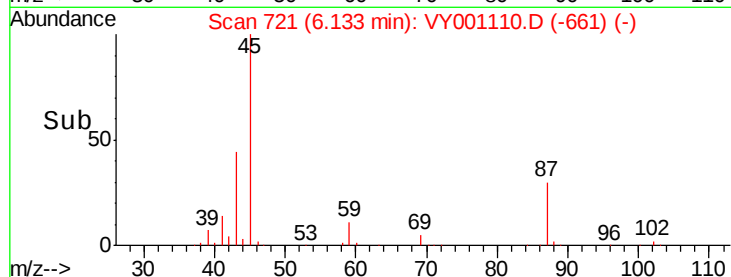
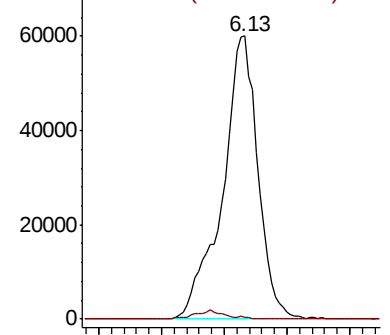
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 48.797 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

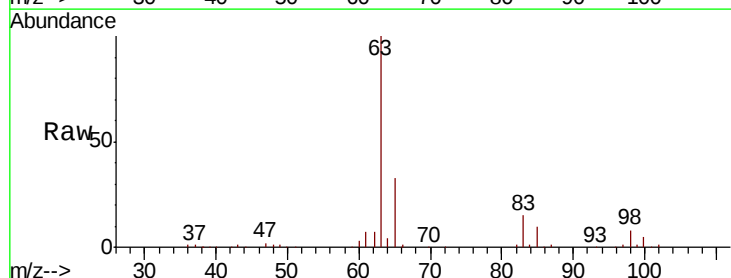
Tgt Ion: 63 Resp: 261500

Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

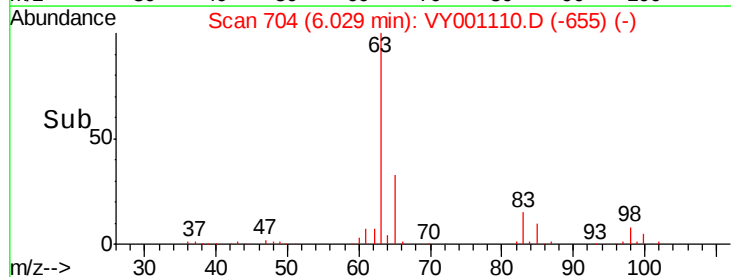
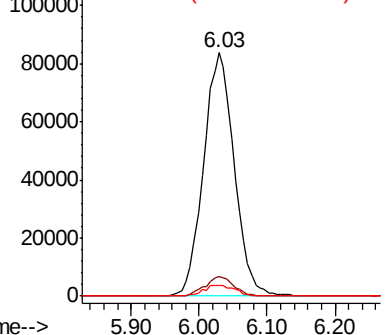
100 4.5 2.5 7.5

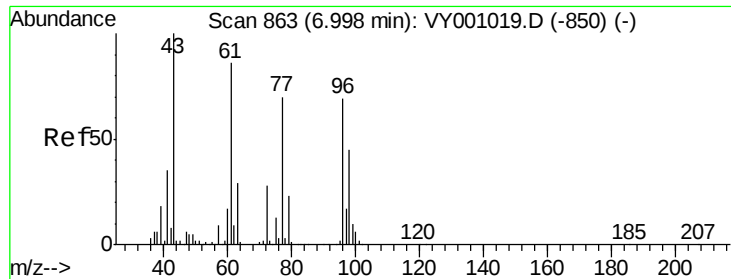


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 215.133 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion: 43 Resp: 220749

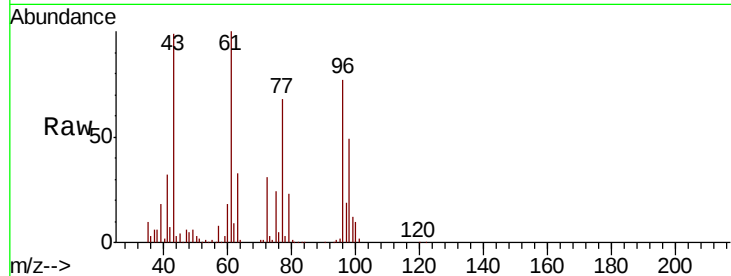
Ion Ratio Lower Upper

43 100

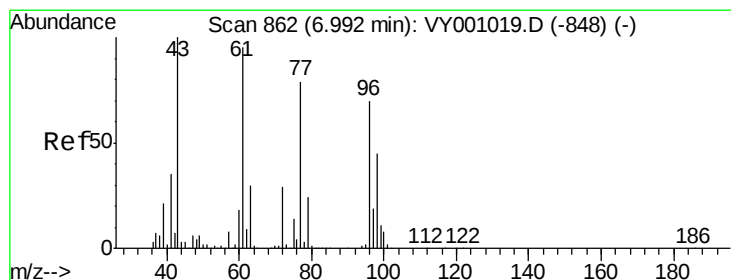
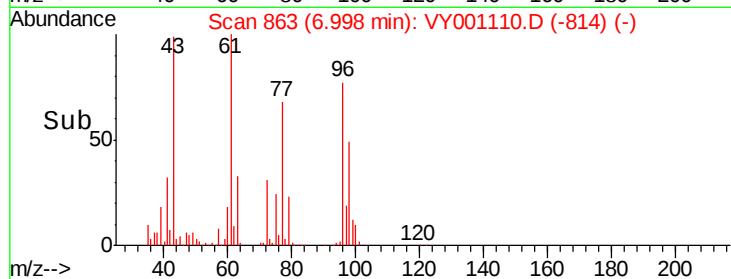
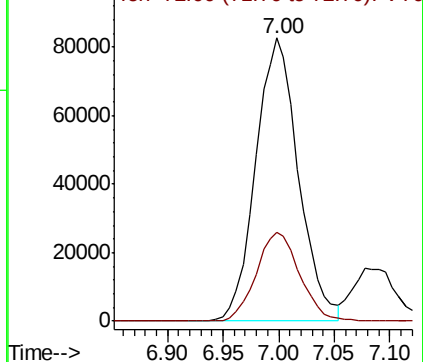
72 31.3 22.4 33.6

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Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 43.561 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001110.D

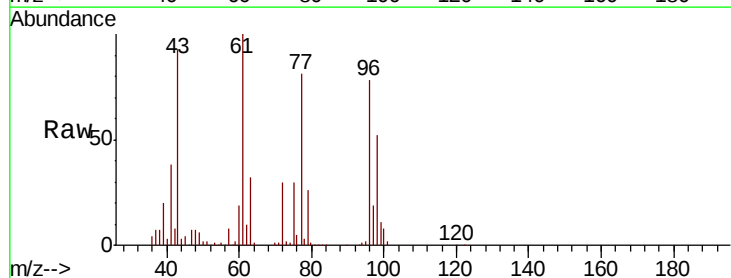
Acq: 27 Dec 2019 19:46

Tgt Ion: 77 Resp: 191793

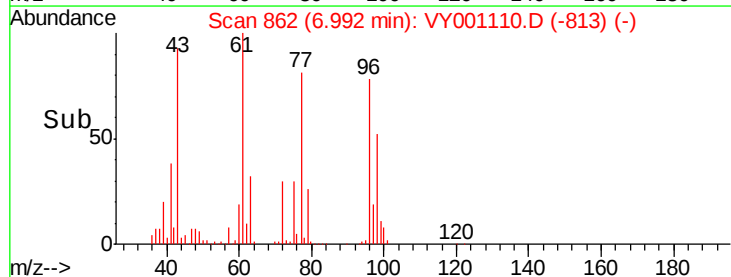
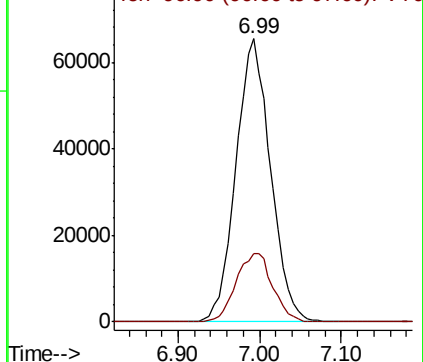
Ion Ratio Lower Upper

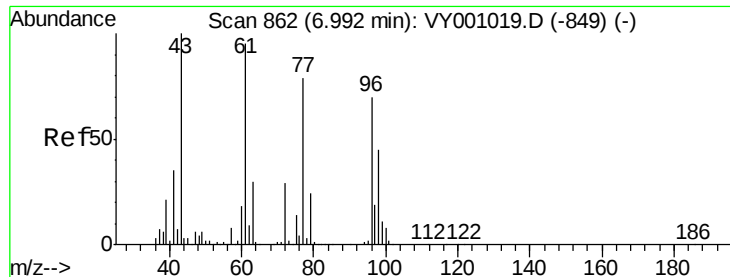
77 100

97 25.6 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0





#27

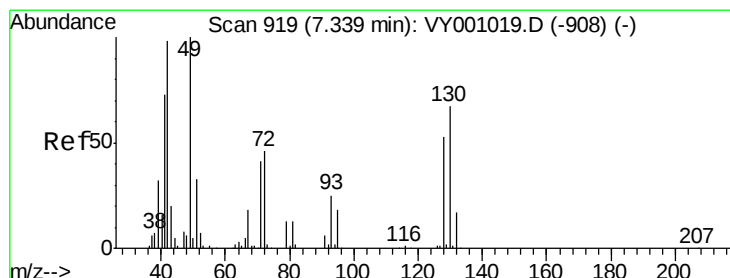
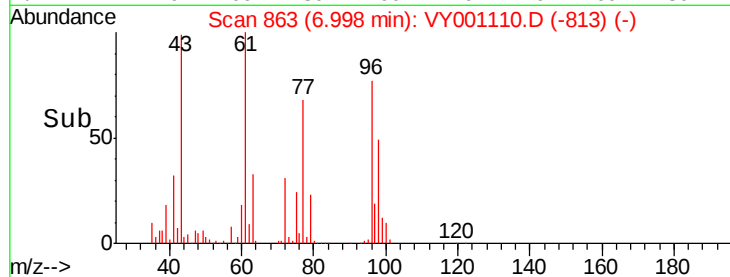
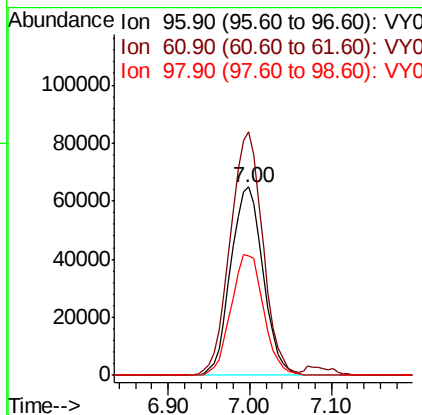
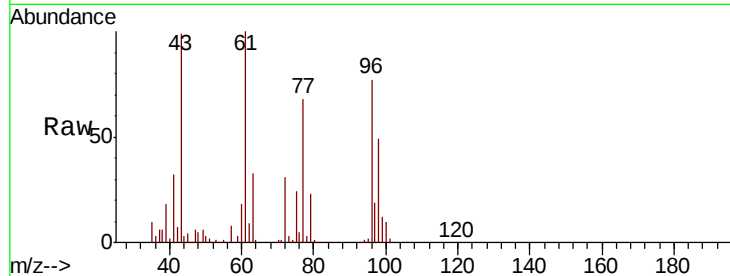
cis-1,2-Dichloroethene
Concen: 50.641 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178070		
61	130.0	0.0	268.2	
98	64.7	0.0	129.2	

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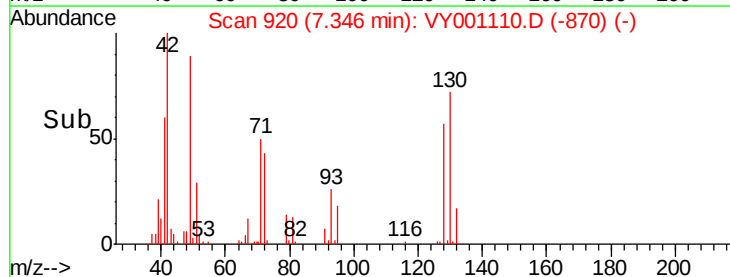
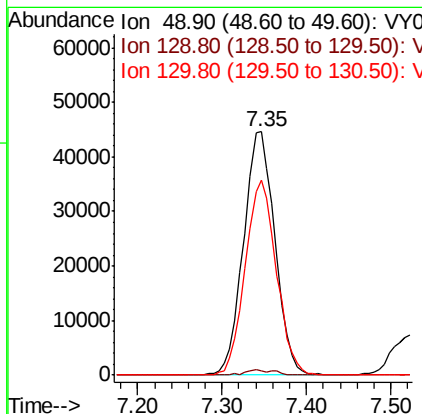
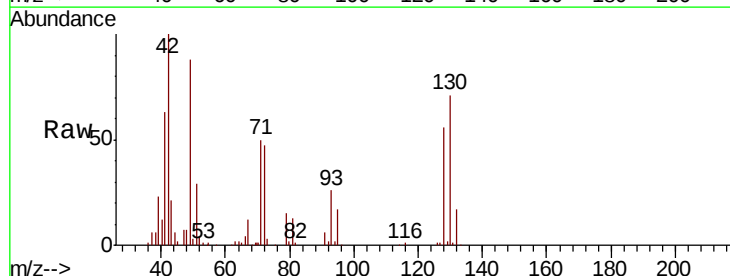
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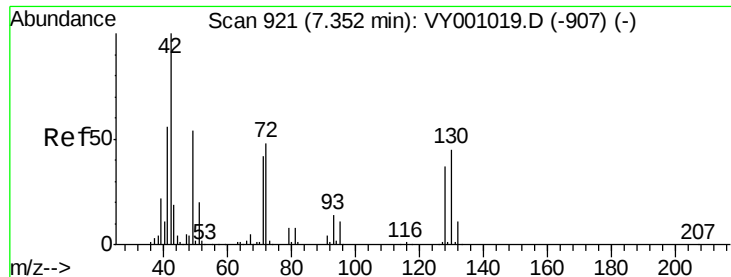


#28

Bromochloromethane
Concen: 53.687 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112255		
129	2.0	0.0	3.8	
130	79.3	60.4	90.6	





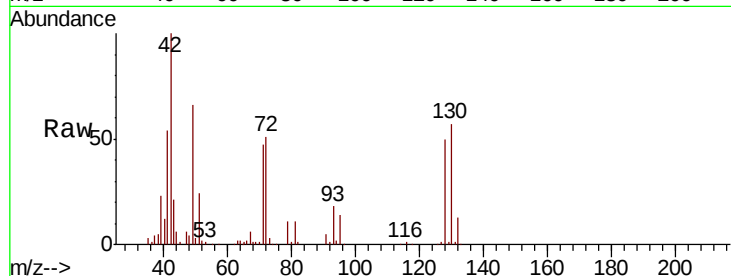
#29
Tetrahydrofuran
Concen: 212.320 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

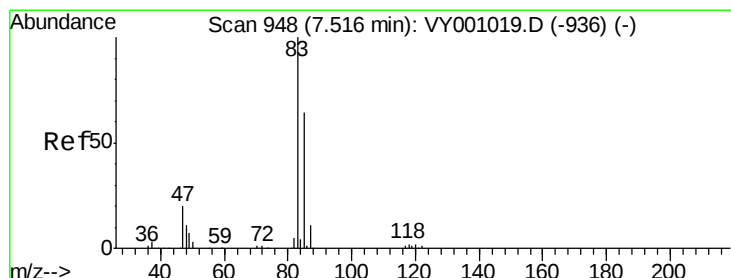
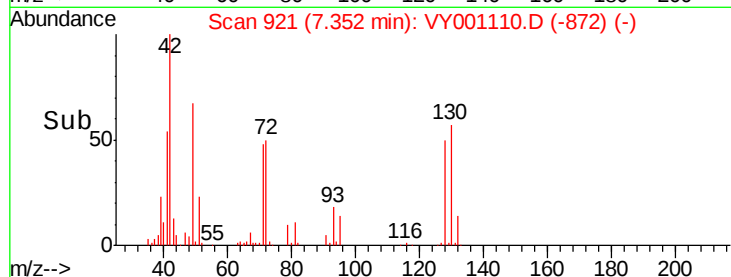
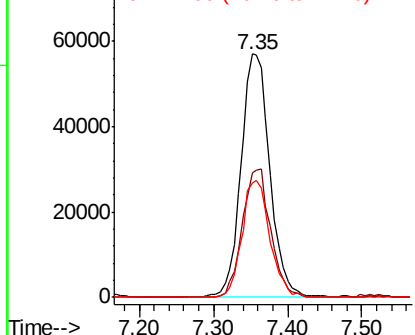
Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	37.7	56.5
71	46.7	34.6	51.8

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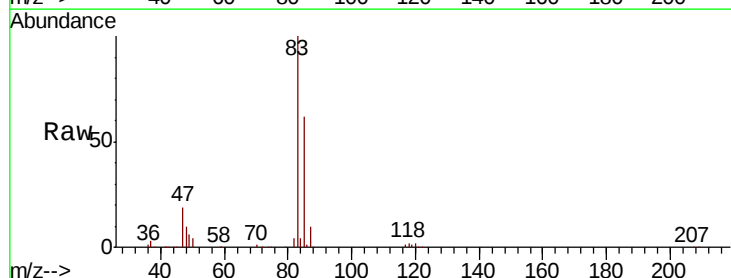


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

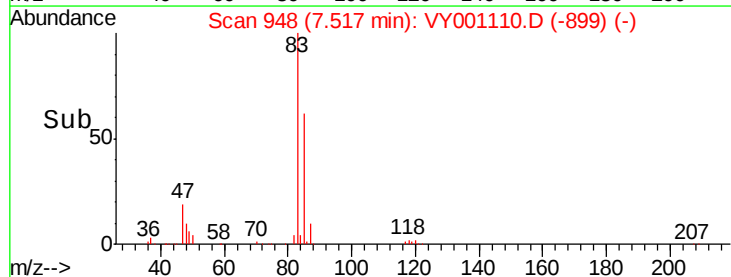
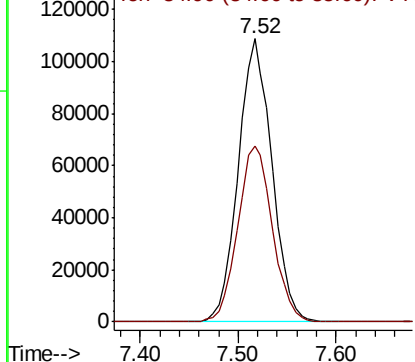


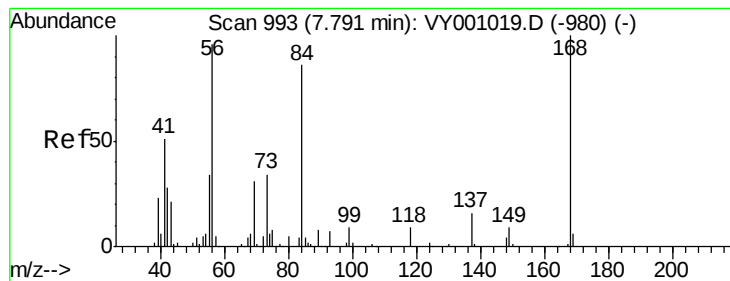
#30
Chloroform
Concen: 51.188 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.6	77.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 36.982 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 56 Resp: 208401

Ion Ratio Lower Upper

56 100

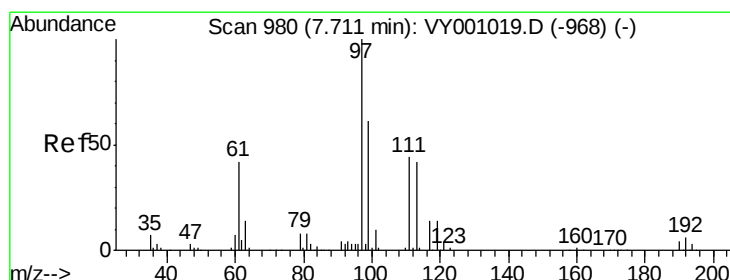
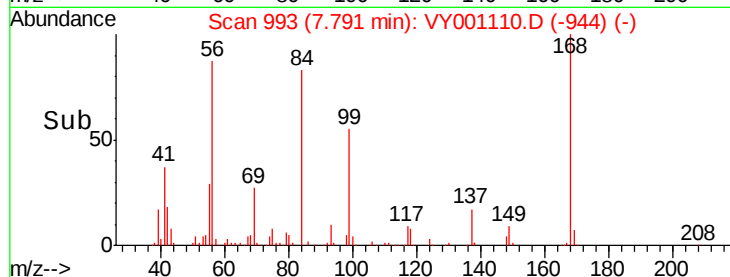
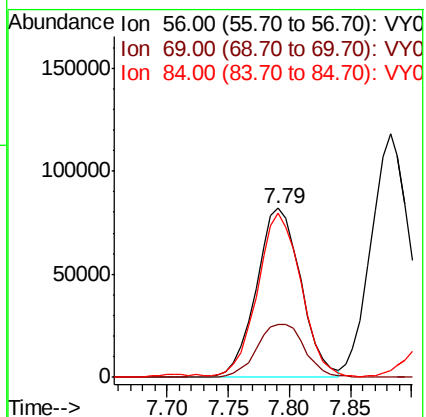
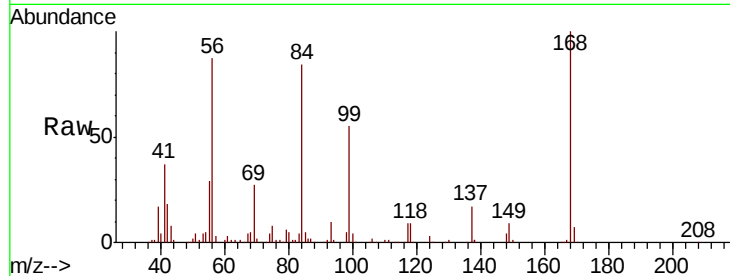
69 30.6 26.1 39.1

84 96.0 71.8 107.8

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#32

1,1,1-Trichloroethane

Concen: 48.104 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

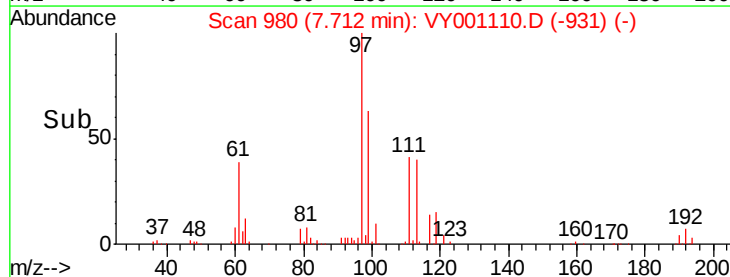
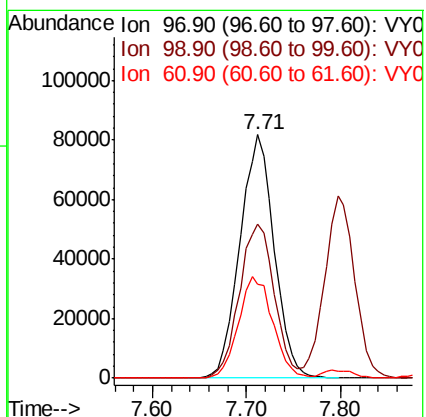
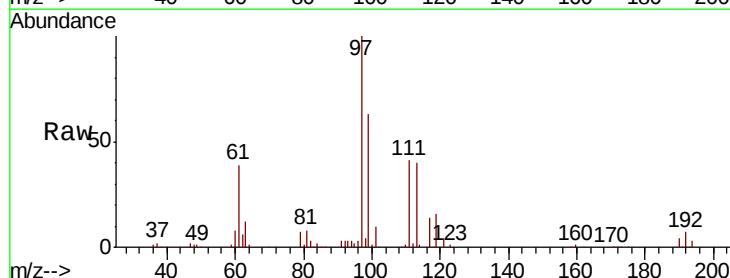
Tgt Ion: 97 Resp: 207936

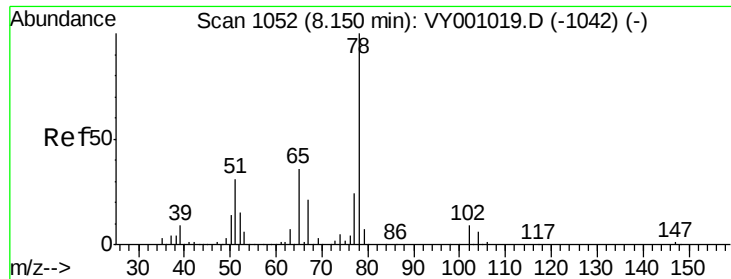
Ion Ratio Lower Upper

97 100

99 64.5 50.6 76.0

61 41.9 33.0 49.6





#33

1,2-Dichloroethane-d4

Concen: 50.986 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 65 Resp: 129271

Ion Ratio Lower Upper

65 100

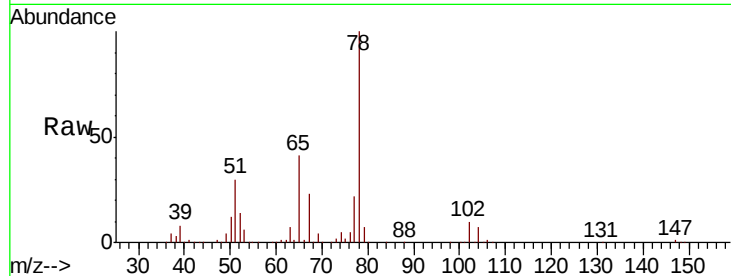
67 55.4 0.0 112.8

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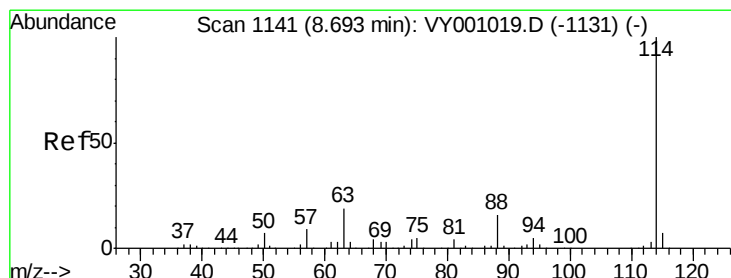
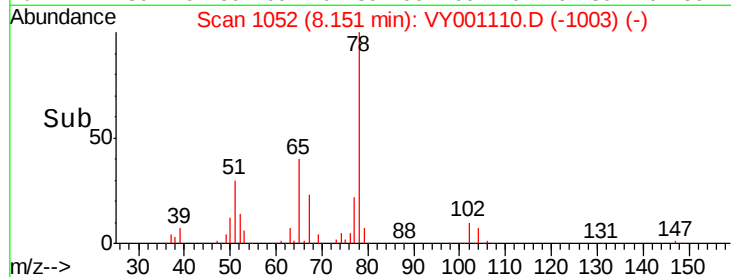
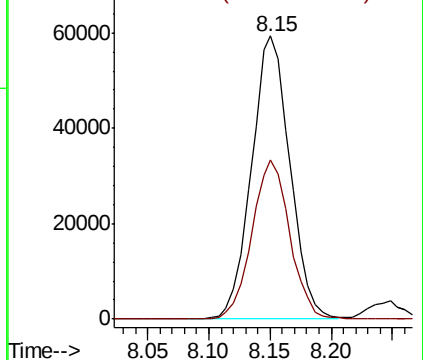
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Abundance Ion 64.90 (64.60 to 65.60): VY001110.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001110.D (-1003) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

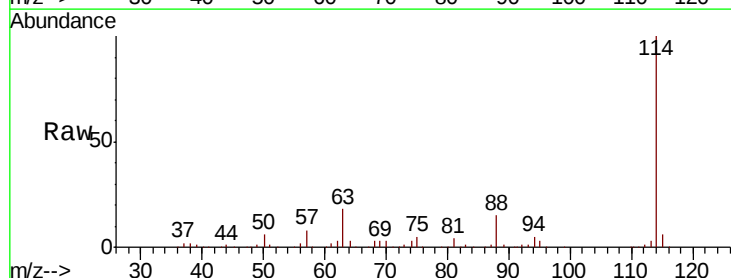
Tgt Ion: 114 Resp: 448540

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

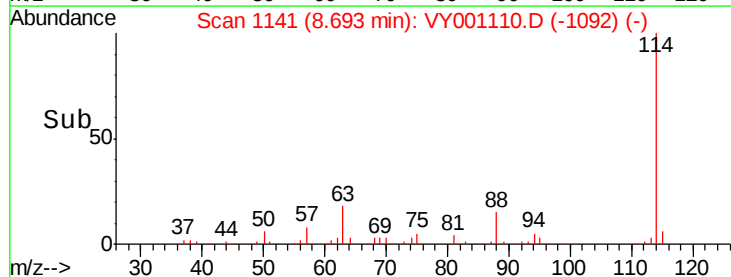
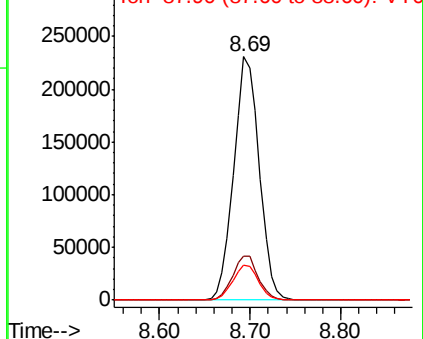
88 14.6 0.0 32.0

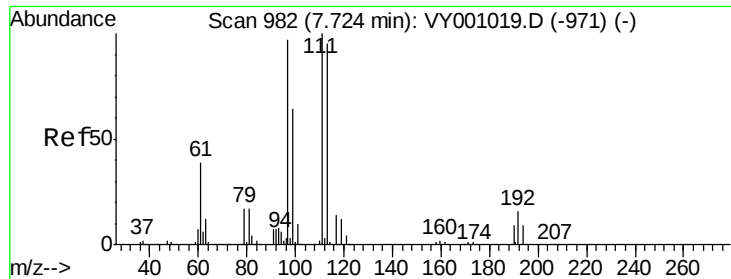


Abundance Ion 113.90 (113.60 to 114.60): VY001110.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY001110.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY001110.D (-1092) (-)





#35

Dibromofluoromethane

Concen: 51.028 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

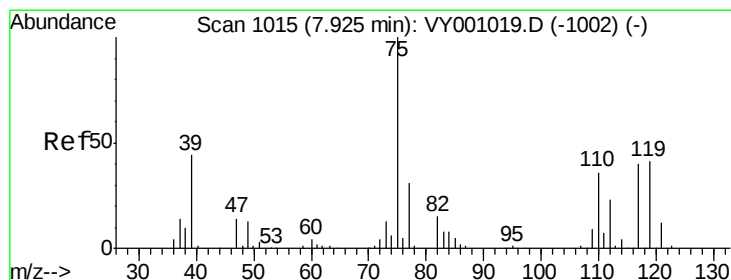
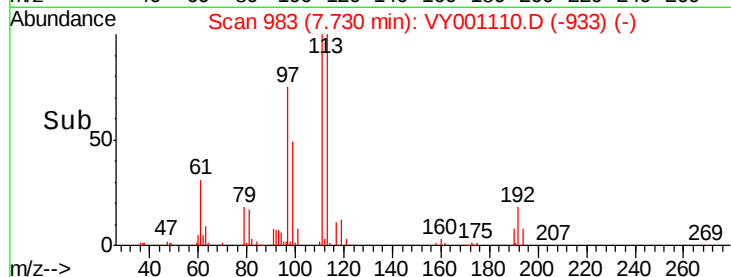
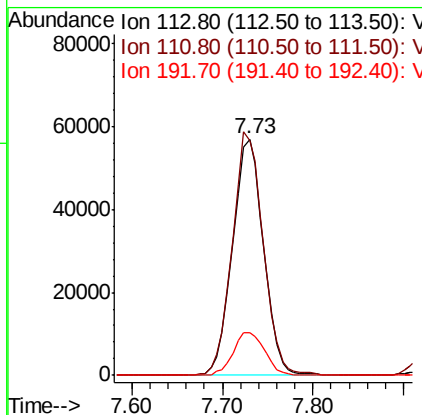
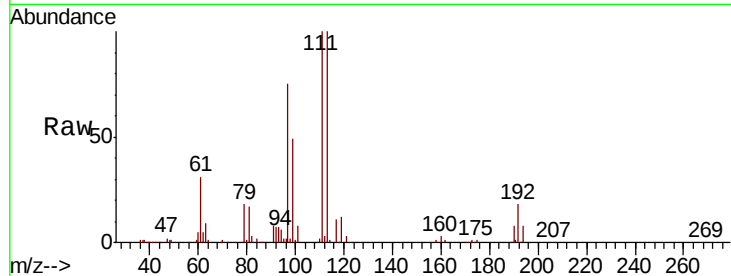
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	113	Resp:	134779
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.0	124.4
192	18.7	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 45.538 ug/l

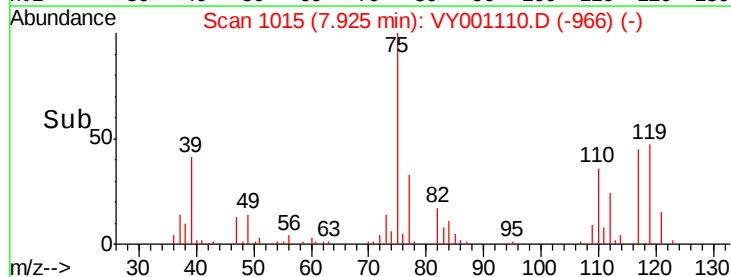
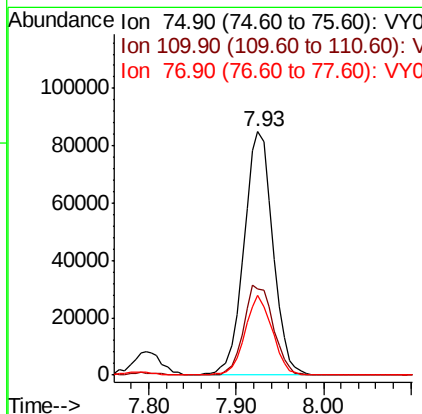
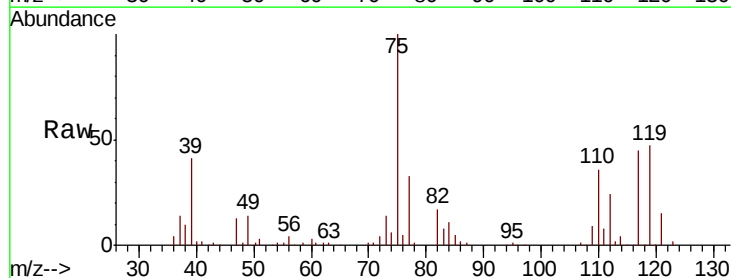
RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	75	Resp:	194857
Ion Ratio	Lower	Upper	
75	100		
110	37.8	18.1	54.4
77	30.8	24.6	37.0





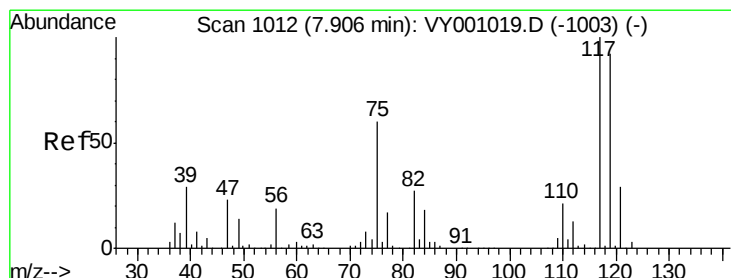
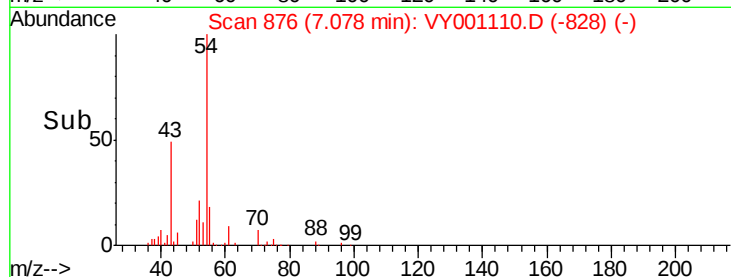
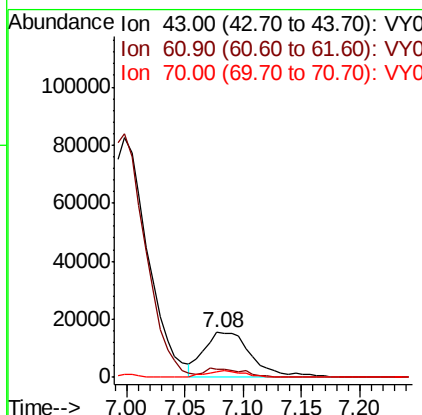
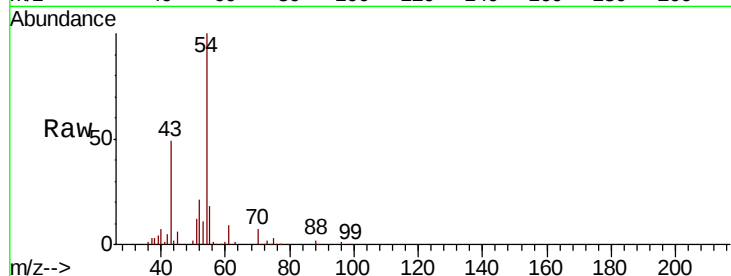
#37
Ethyl Acetate
Concen: 18.464 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.5	18.7
70	12.1	9.0	13.4

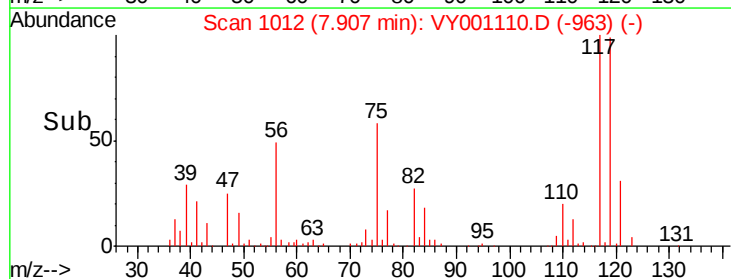
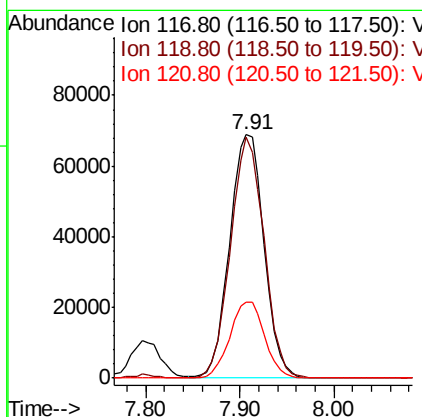
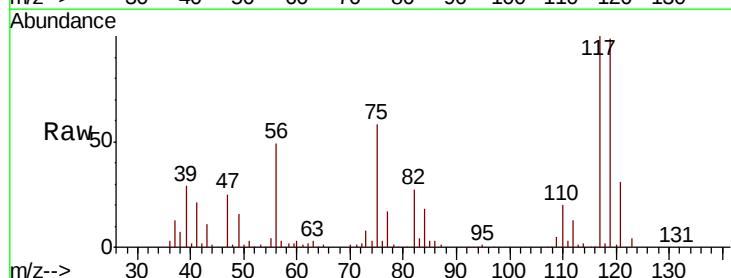
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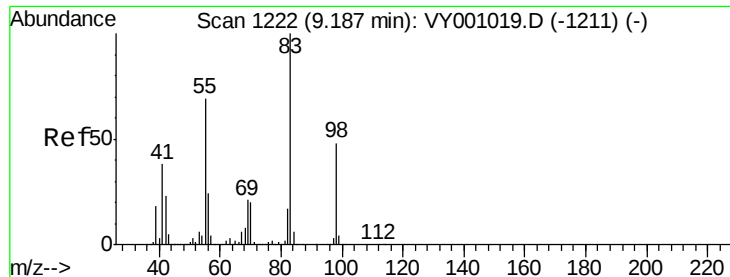
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#38
Carbon Tetrachloride
Concen: 46.727 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	74.2	111.2
121	31.2	22.9	34.3





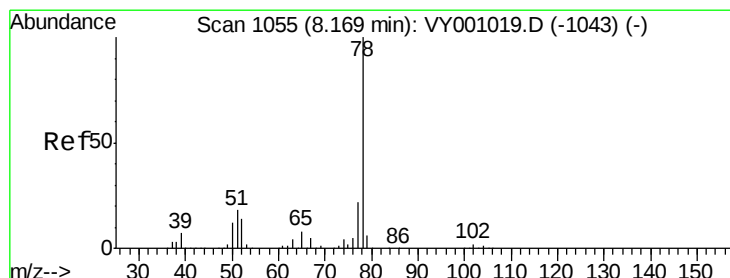
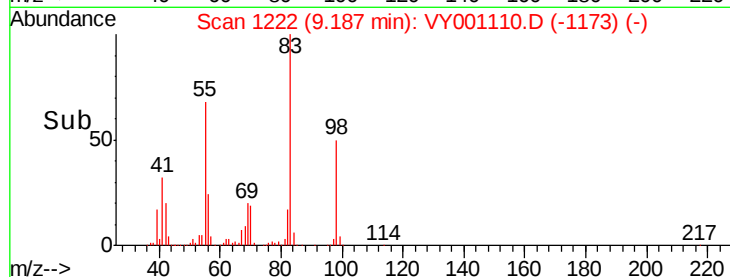
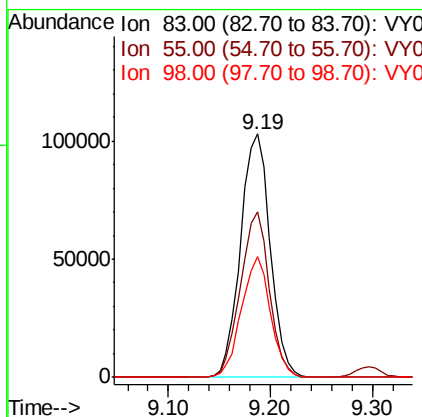
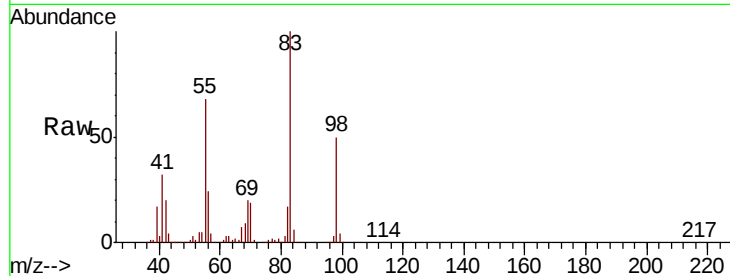
#39
Methvlcvclohexane
Concen: 36.669 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	55.1	82.7
98	49.6	38.3	57.5

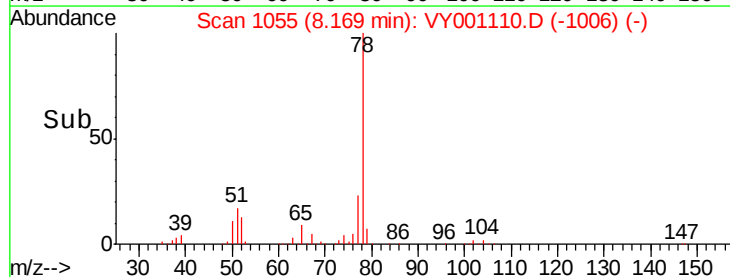
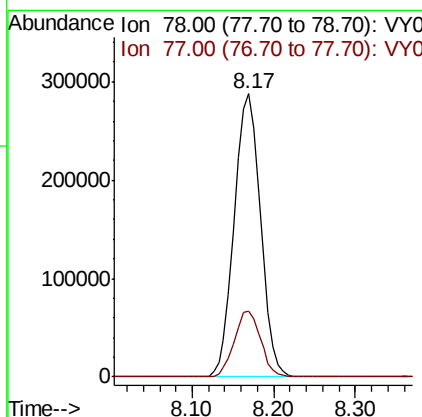
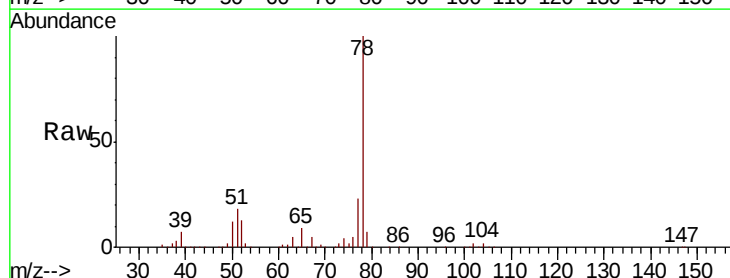
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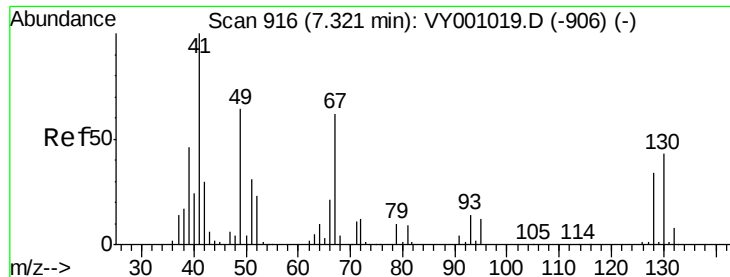
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#40
Benzene
Concen: 49.451 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.7	26.5





#41

Methacrylonitrile

Concen: 44.285 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 41 Resp: 45491

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

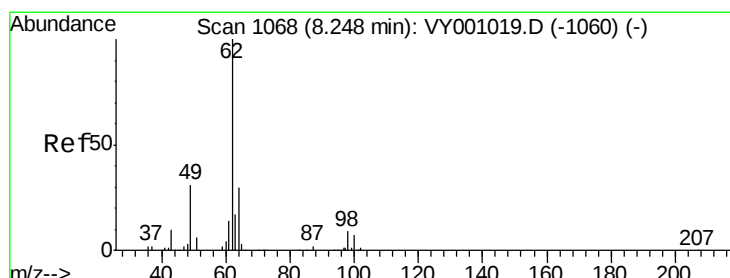
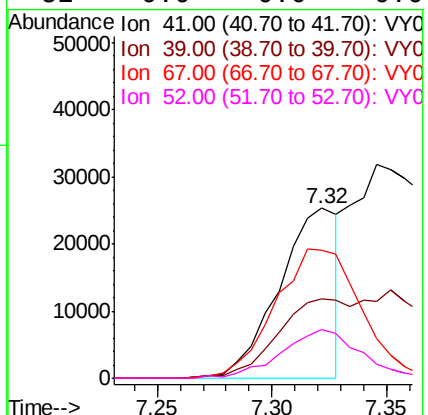
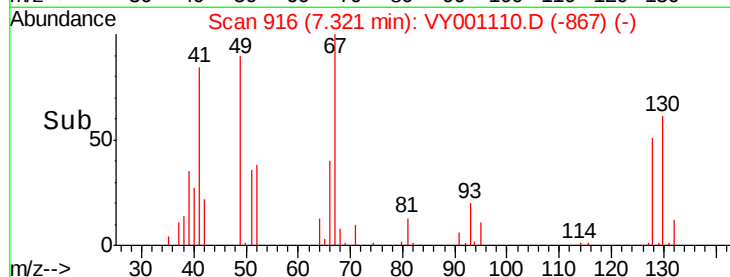
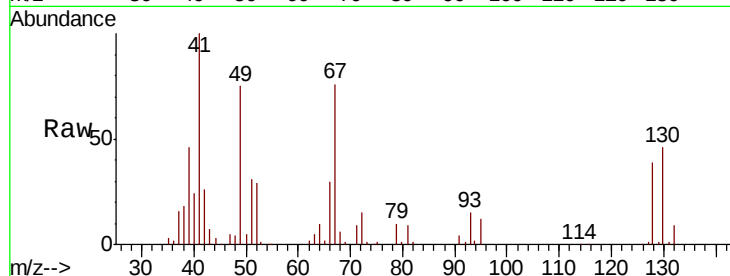
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 48.765 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY001110.D

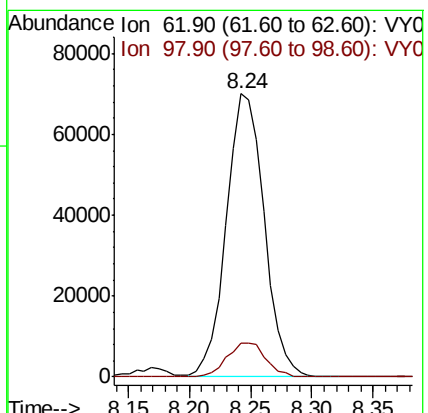
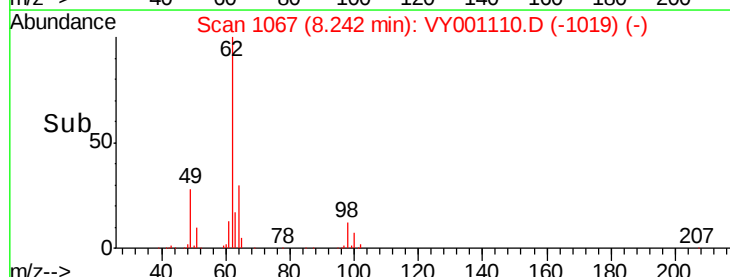
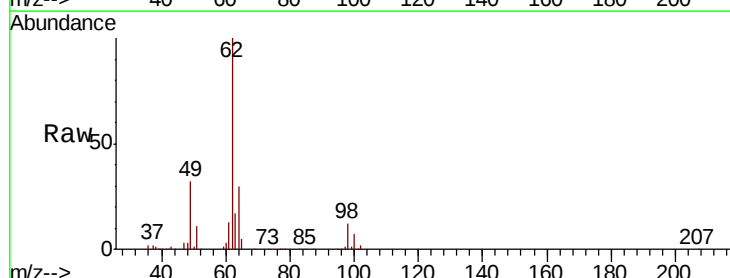
Acq: 27 Dec 2019 19:46

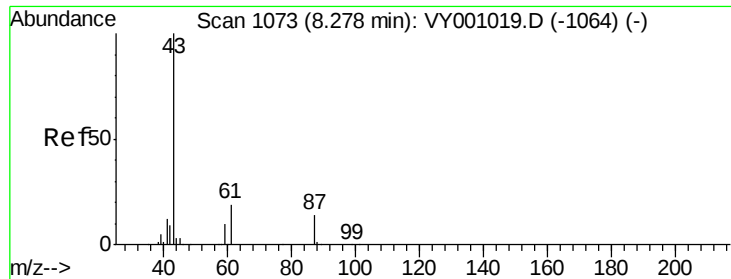
Tgt Ion: 62 Resp: 150508

Ion Ratio Lower Upper

62 100

98 12.3 0.0 23.4





#43

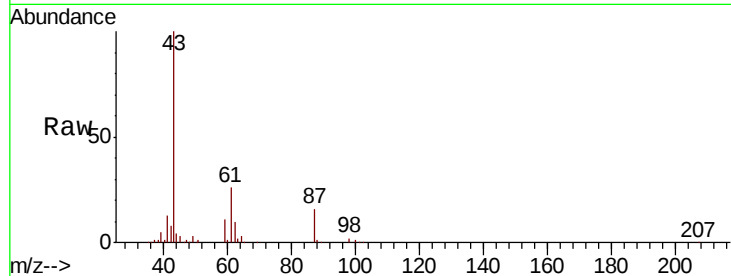
Isopropyl Acetate
 Concen: 25.591 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

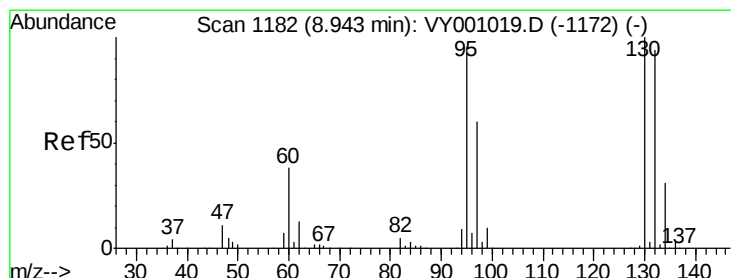
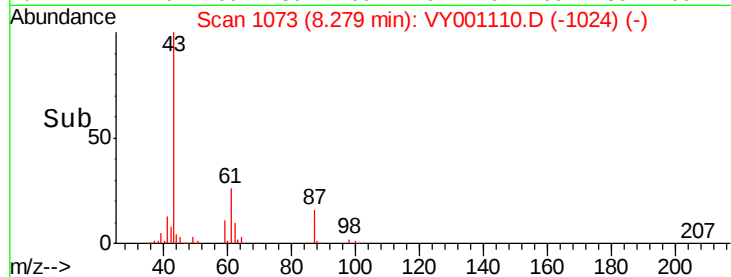
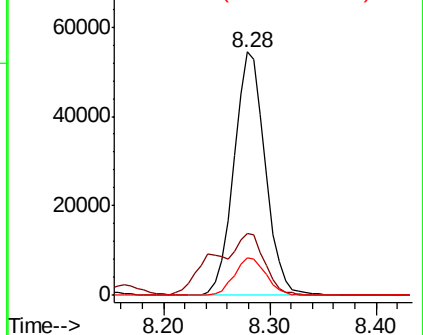
Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	25.0	37.6#
87	15.9	12.0	18.0

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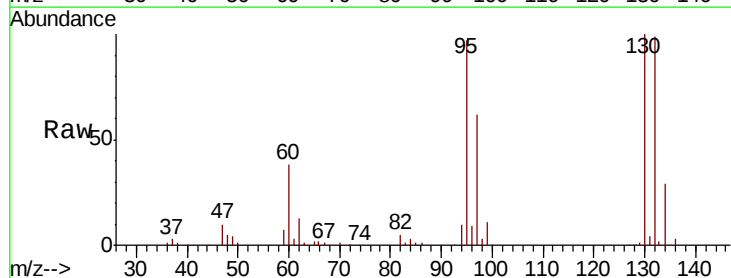
Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)
 Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)
 Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



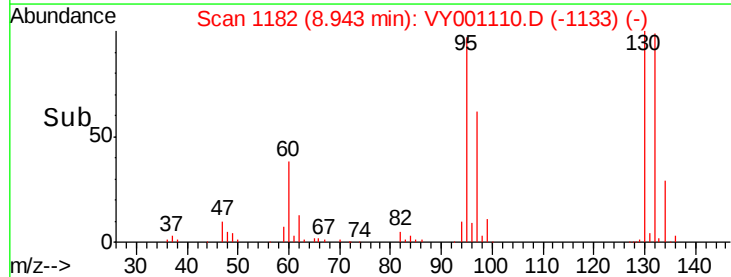
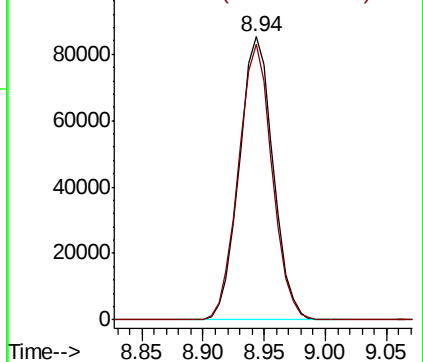
#44

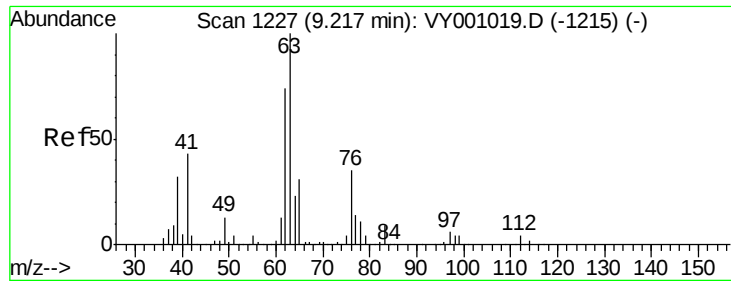
Trichloroethene
 Concen: 48.089 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	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) (-)





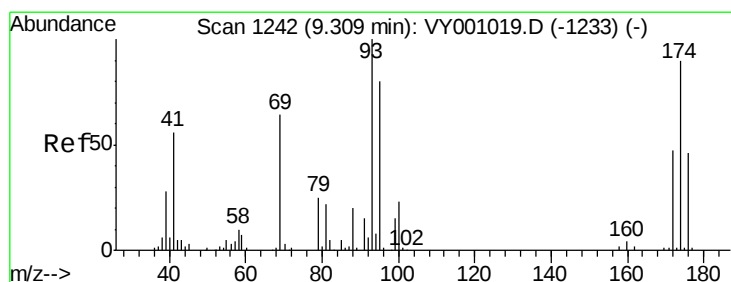
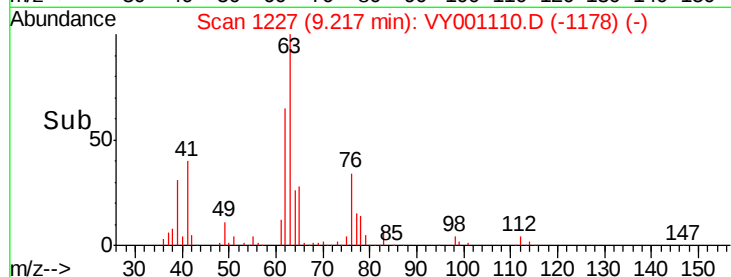
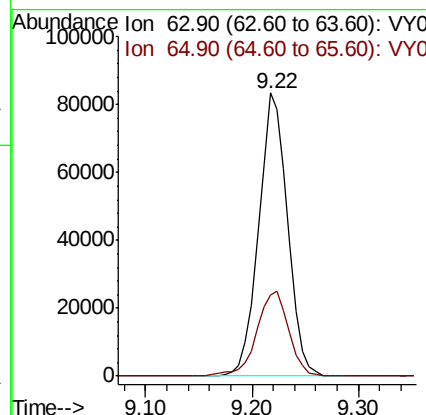
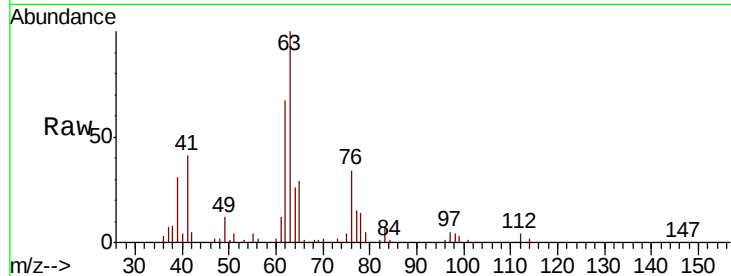
#45
 1,2-Dichloropropane
 Concen: 48.912 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion: 63 Resp: 158402
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.1 37.7

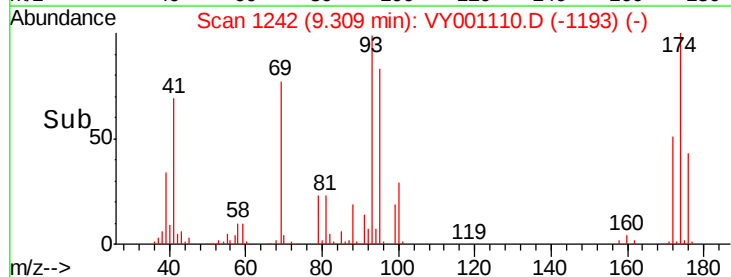
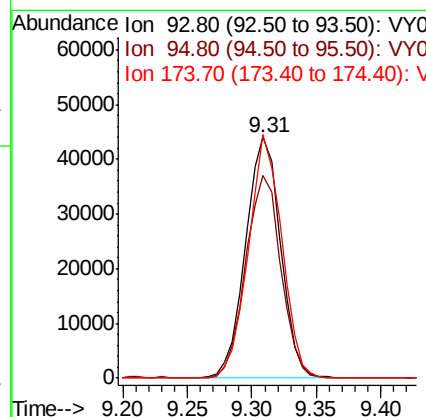
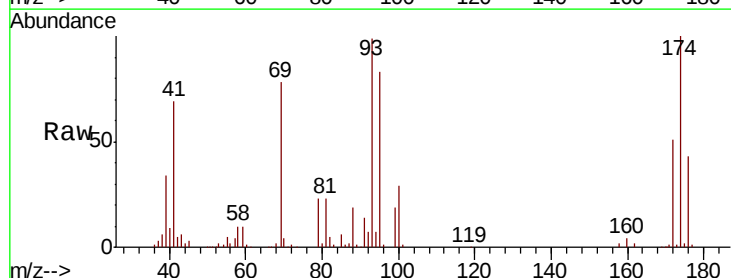
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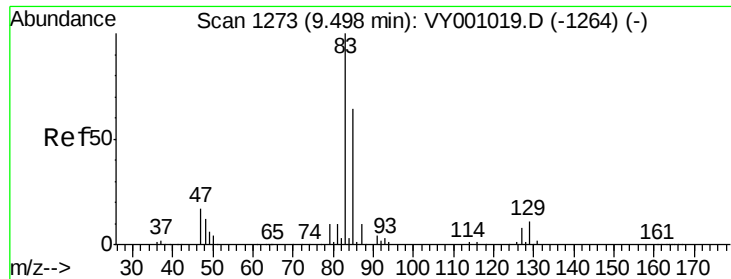
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#46
 Dibromomethane
 Concen: 49.379 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion: 93 Resp: 82434
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.7 100.1
 174 96.3 73.6 110.4





#47

Bromodichloromethane

Concen: 51.471 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

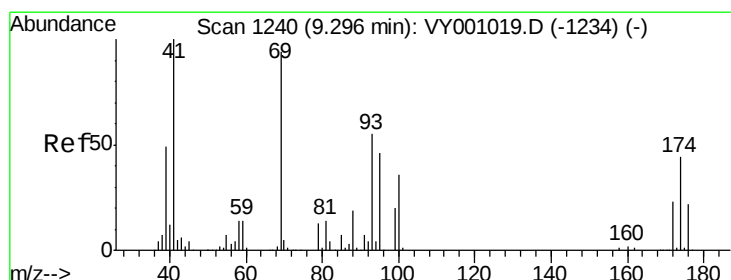
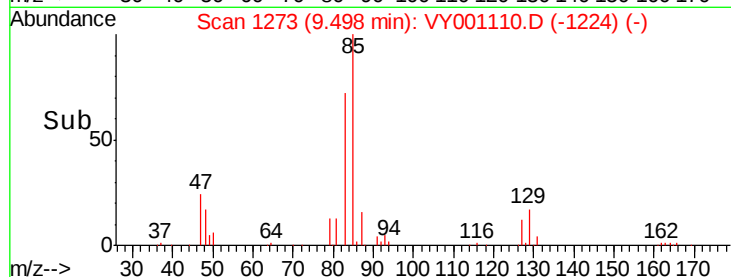
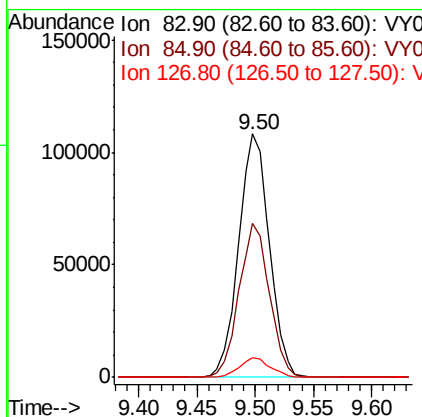
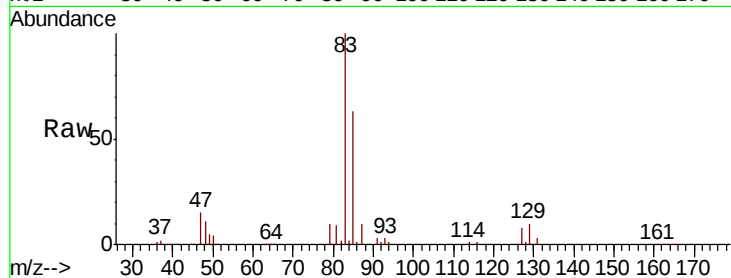
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	83	Resp:	199038
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.9	76.3
127	7.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.630 ug/l

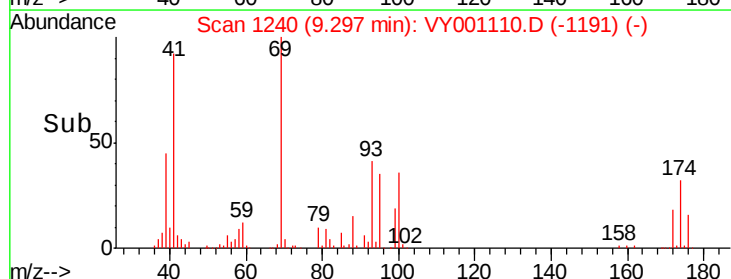
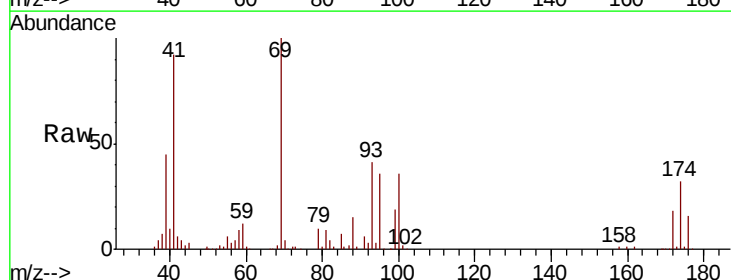
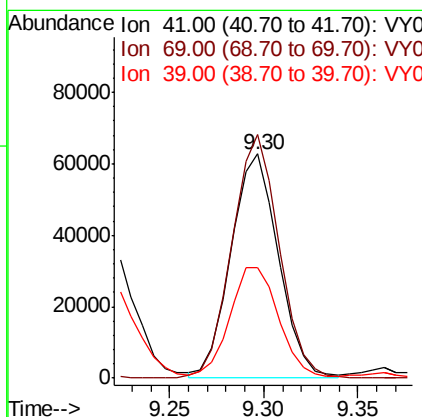
RT: 9.30 min Scan# 1240

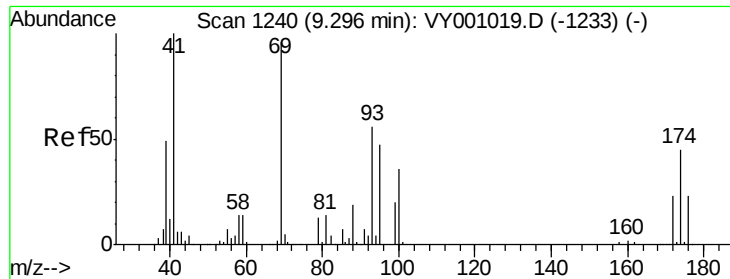
Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	41	Resp:	109738
Ion Ratio	Lower	Upper	
41	100		
69	107.5	79.8	119.6
39	51.1	41.7	62.5





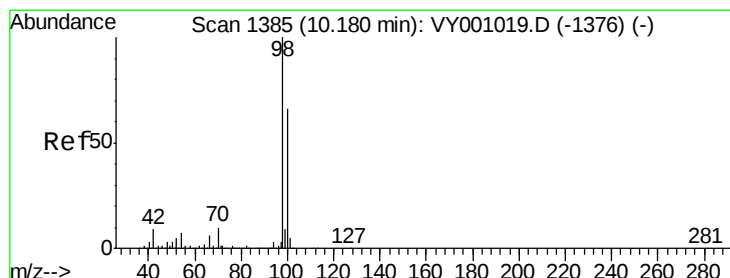
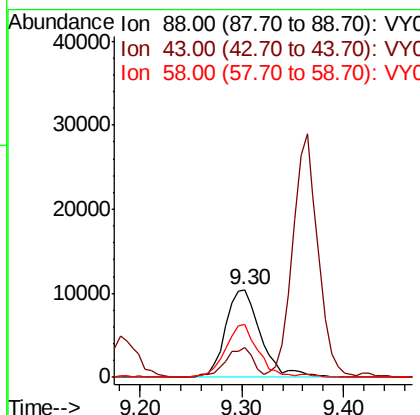
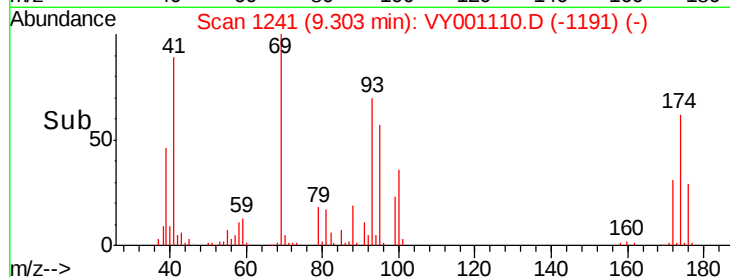
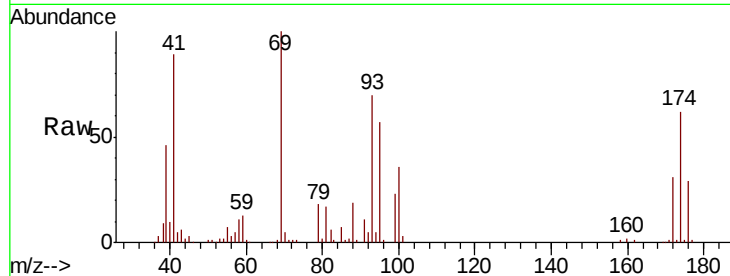
#49
1,4-Dioxane
Concen: 1014.426 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	88	Resp	24773
Ion	Ratio	Lower	Upper
88	100		
43	26.6	23.0	34.4
58	55.5	54.9	82.3

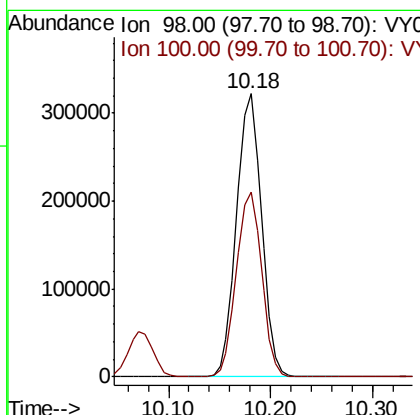
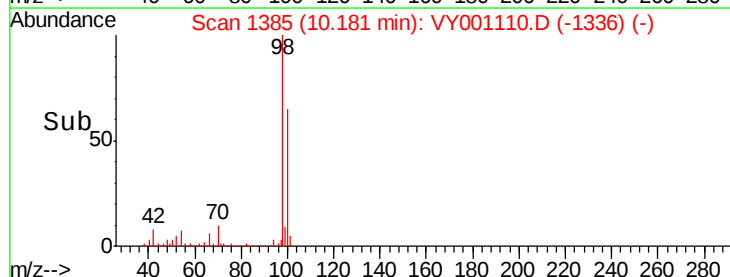
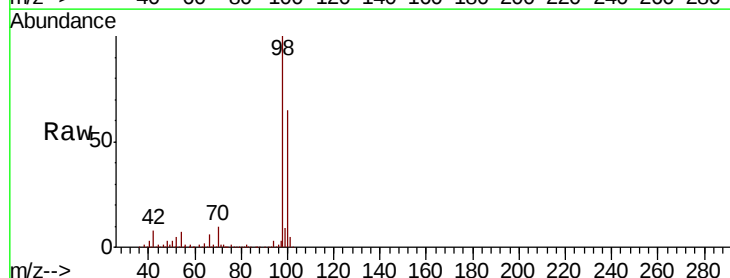
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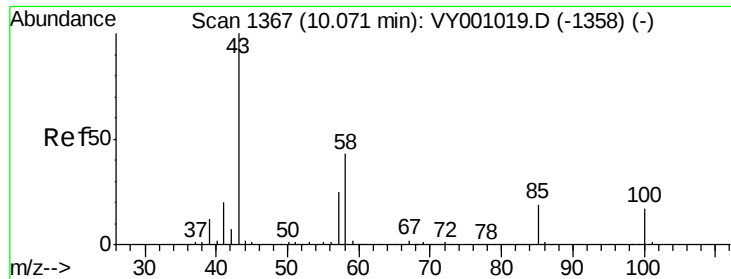
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#50
Toluene-d8
Concen: 53.051 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	98	Resp	547596
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 208.563 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 43 Resp: 476790

Ion Ratio Lower Upper

43 100

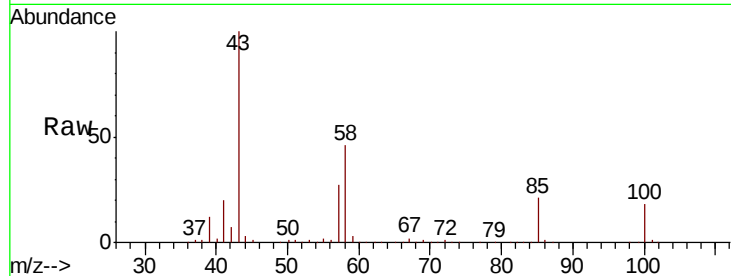
58 45.4 34.6 52.0

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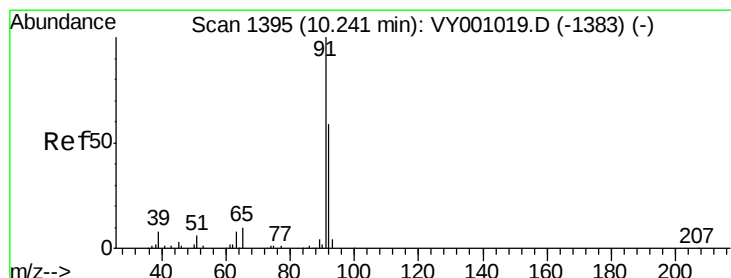
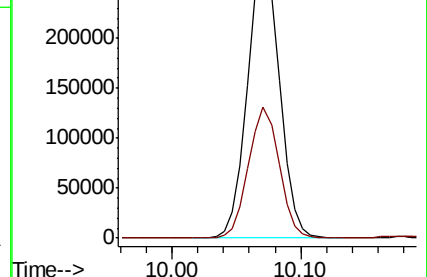
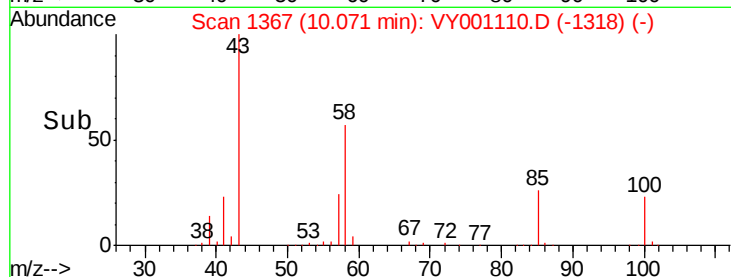


Abundance Ion 43.00 (42.70 to 43.70): VY001110.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY001110.D (-1358) (-)

Time-->

10.07



#52

Toluene

Concen: 48.743 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001110.D

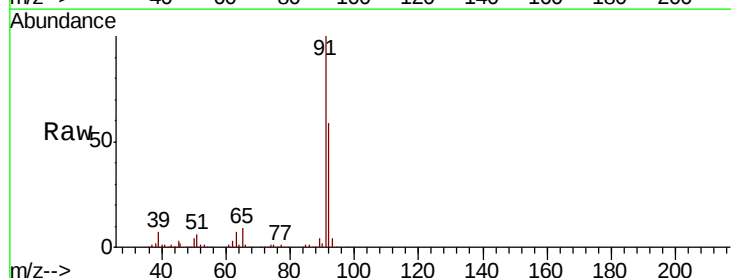
Acq: 27 Dec 2019 19:46

Tgt Ion: 92 Resp: 387293

Ion Ratio Lower Upper

92 100

91 169.1 135.7 203.5

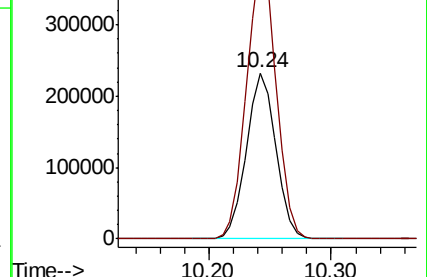
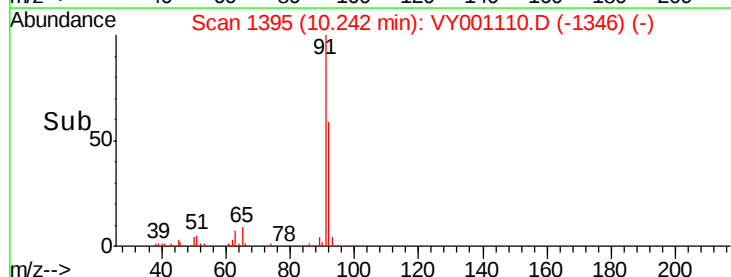


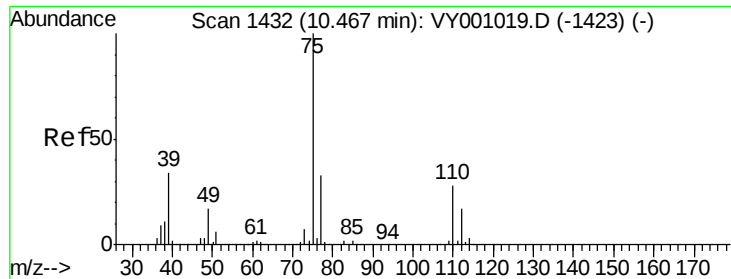
Abundance Ion 92.00 (91.70 to 92.70): VY001110.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001110.D (-1383) (-)

Time-->

10.24





#53

t-1,3-Dichloropropene

Concen: 48.184 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 75 Resp: 202217

Ion Ratio Lower Upper

75 100

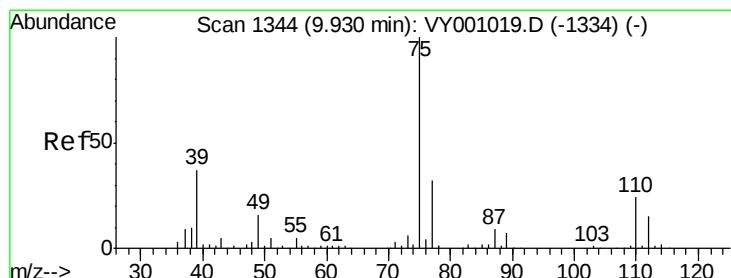
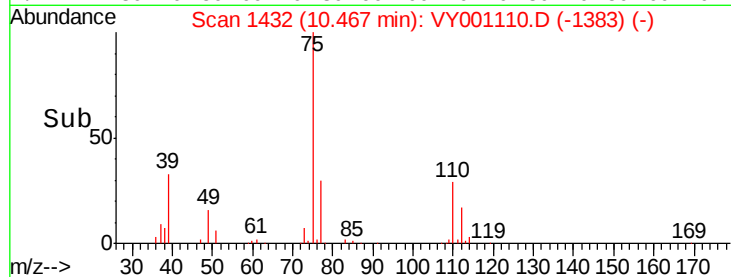
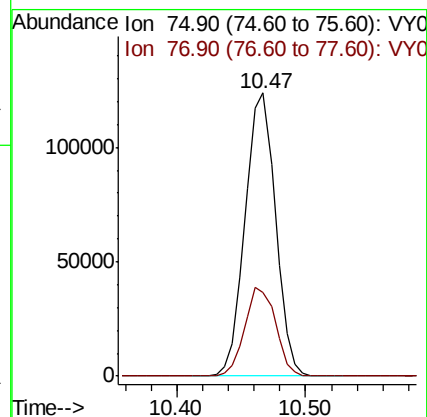
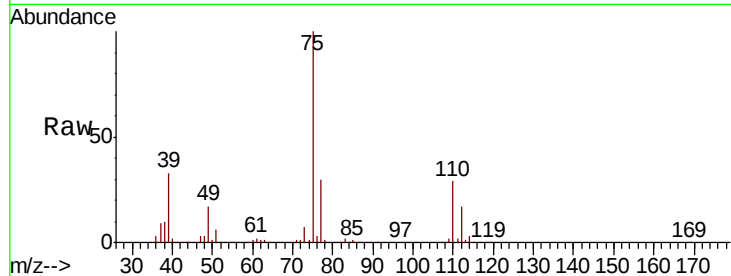
77 29.6 26.5 39.7

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#54

cis-1,3-Dichloropropene

Concen: 48.313 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

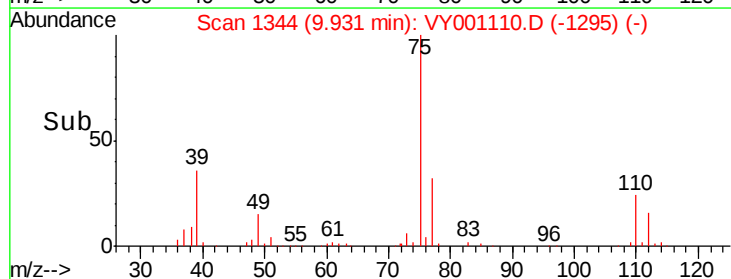
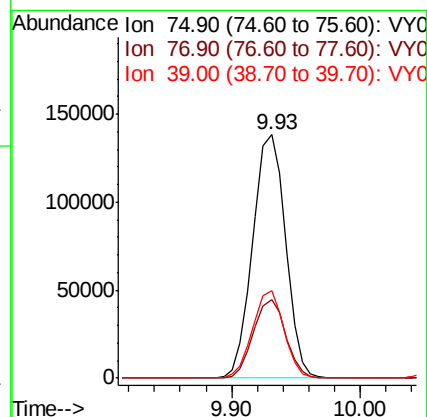
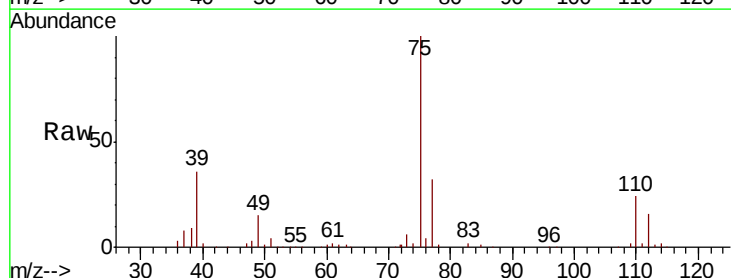
Tgt Ion: 75 Resp: 243809

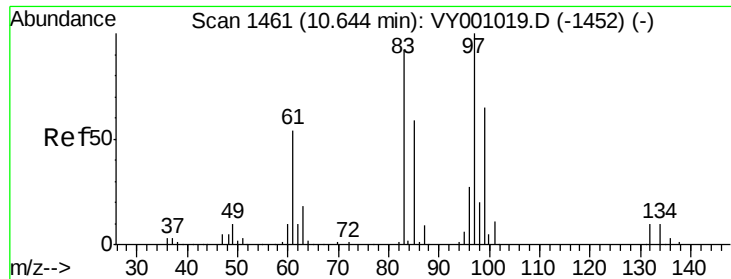
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

39 35.8 29.5 44.3





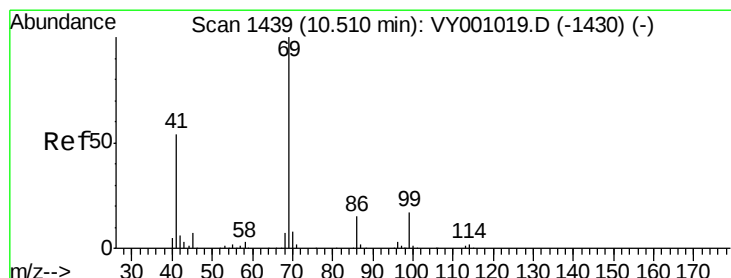
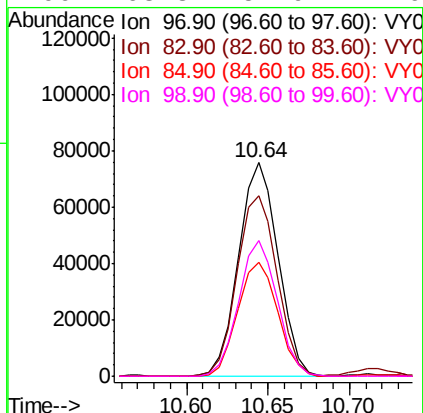
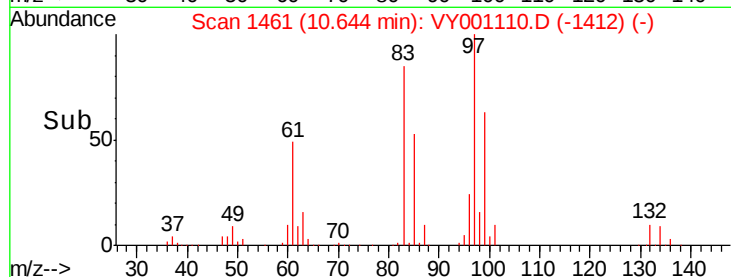
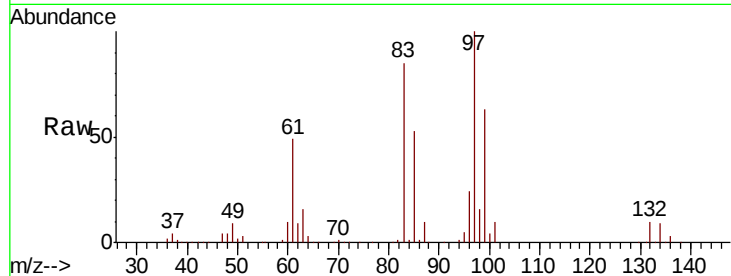
#55
 1,1,2-Trichloroethane
 Concen: 51.234 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127688		
83	84.8	73.7	110.5		
85	53.3	47.3	70.9		
99	63.3	51.9	77.9		

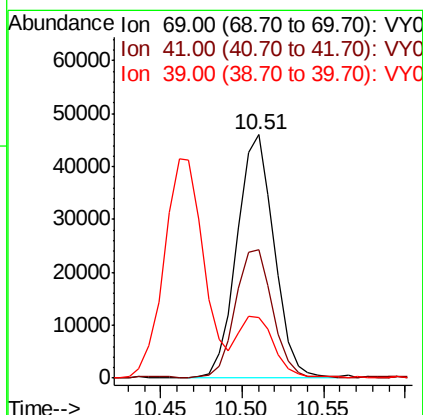
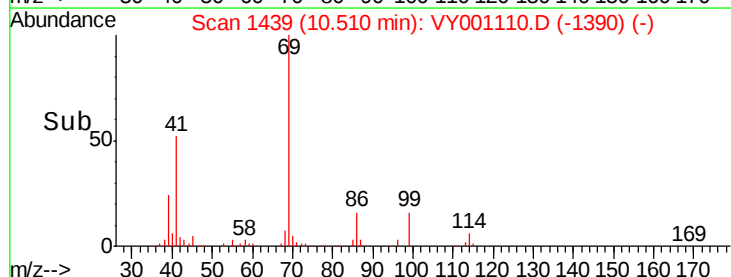
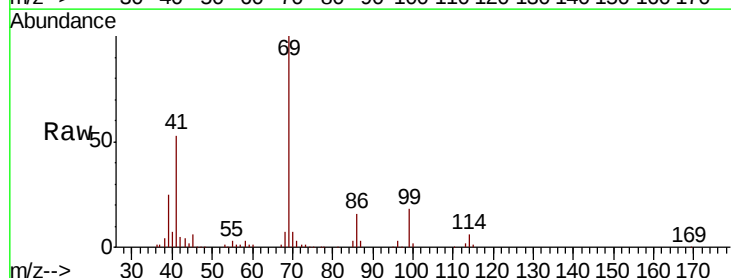
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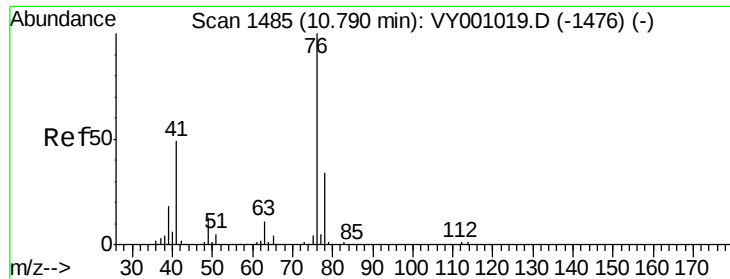
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#56
 Ethyl methacrylate
 Concen: 20.617 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73128		
41	52.6	44.7	67.1		
39	24.8	22.2	33.4		





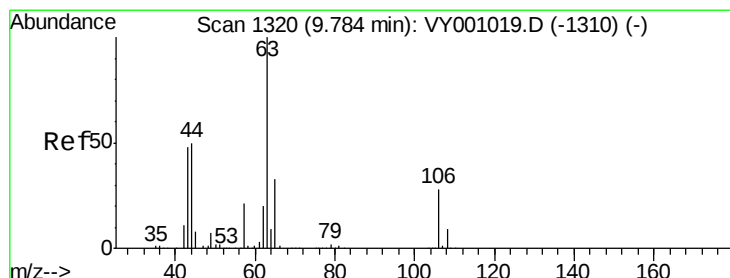
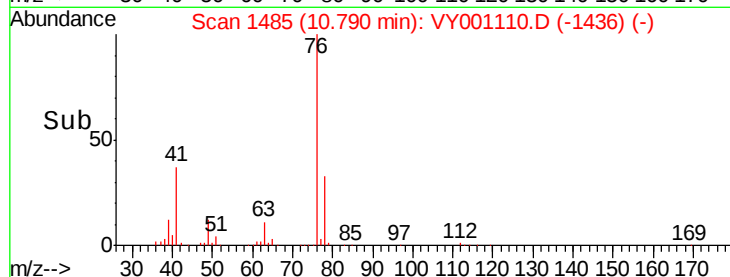
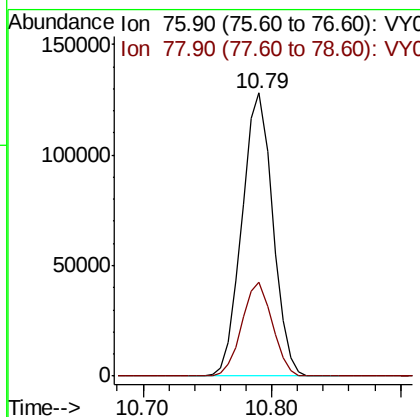
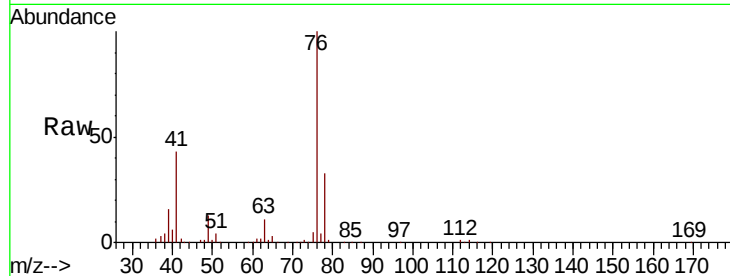
#57
 1,3-Dichloropropane
 Concen: 48.402 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

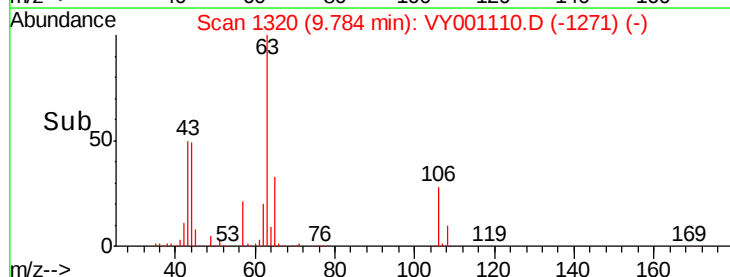
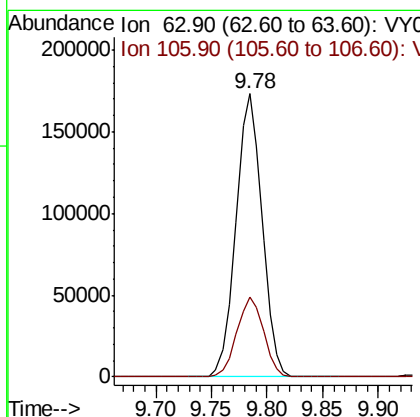
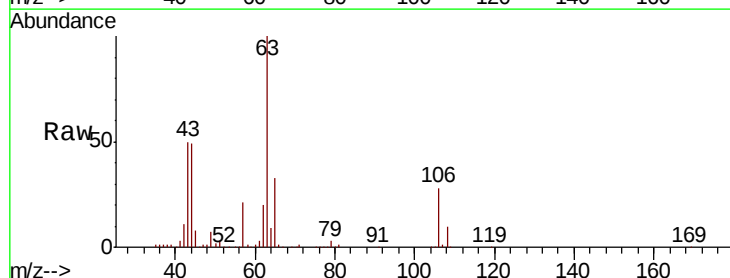
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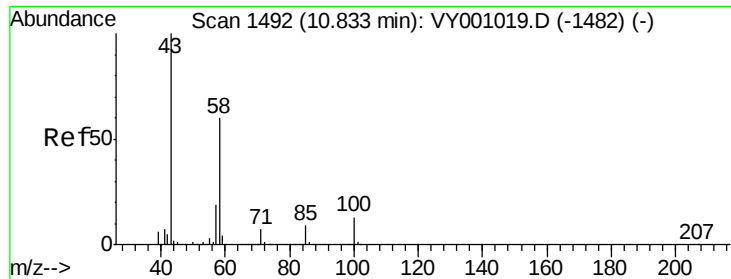
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#58
 2-Chloroethyl Vinyl ether
 Concen: 205.283 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.7	34.1





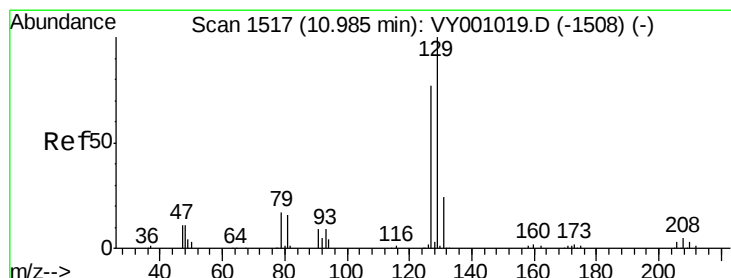
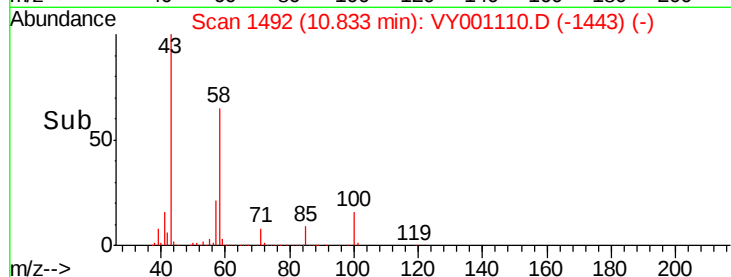
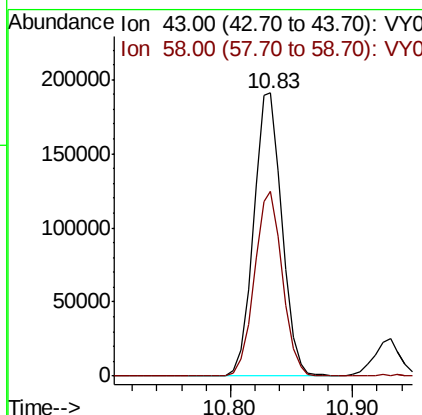
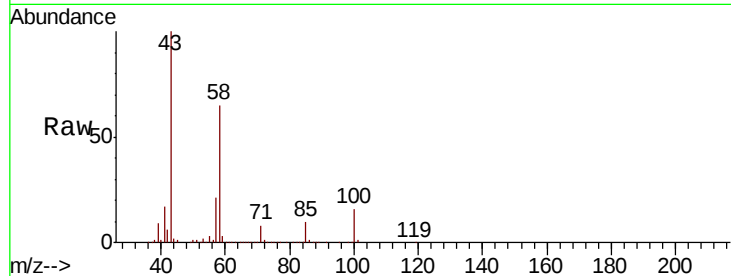
#59
2-Hexanone
Concen: 194.263 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	64.4	30.6	91.6

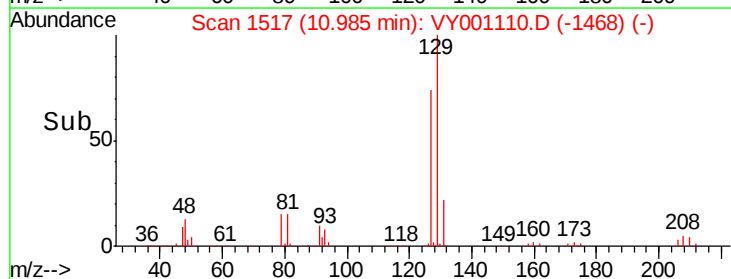
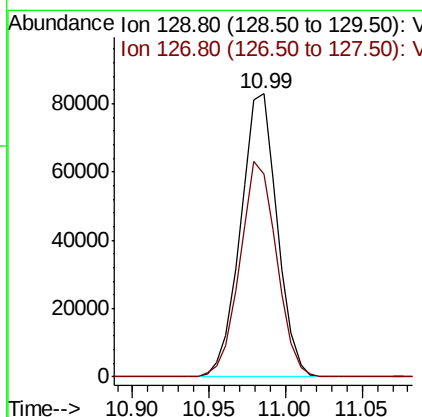
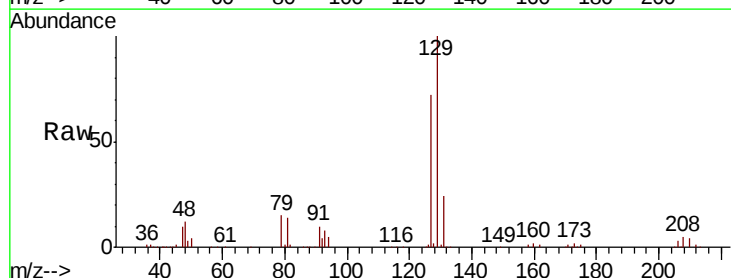
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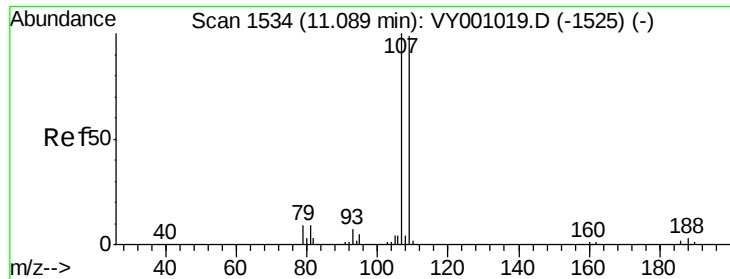
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#60
Dibromochloromethane
Concen: 51.604 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.1	117.3





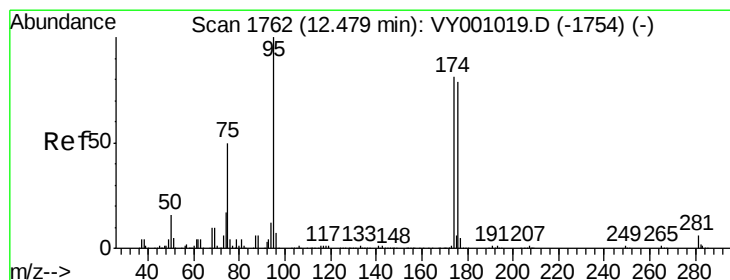
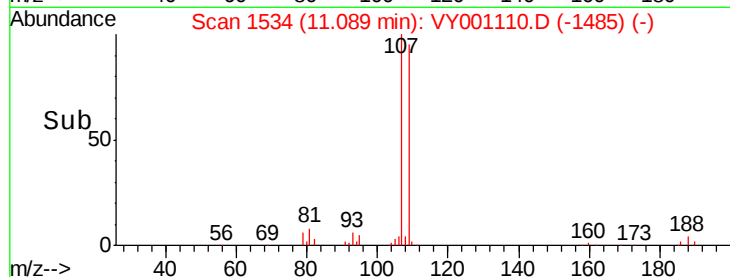
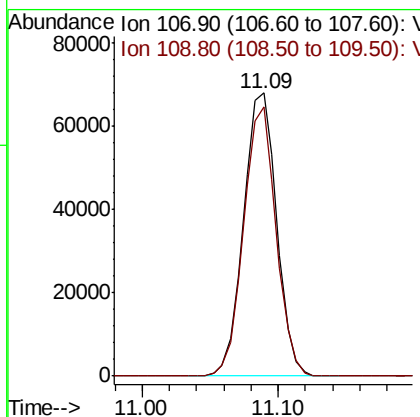
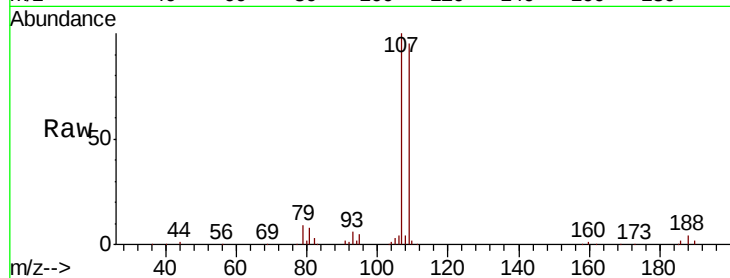
#61
 1,2-Dibromoethane
 Concen: 48.524 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115644		
109	93.5	74.8	112.2	

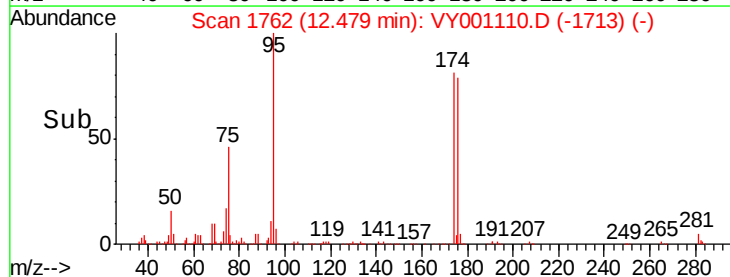
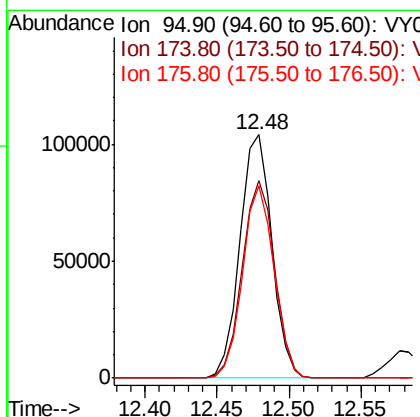
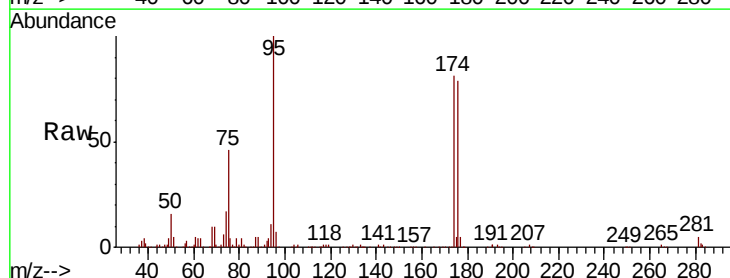
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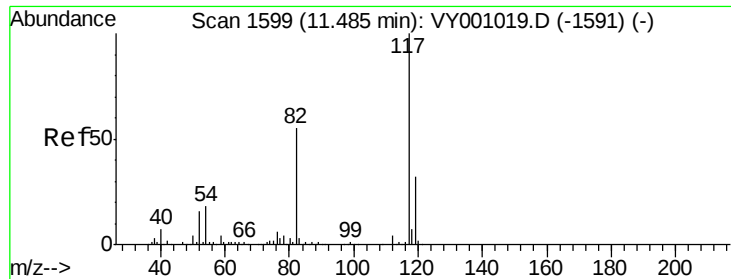
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#62
 4-Bromofluorobenzene
 Concen: 42.366 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	159885		
174	81.9	0.0	156.4	
176	77.8	0.0	155.0	





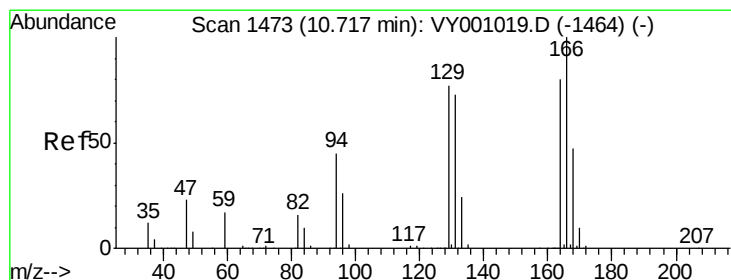
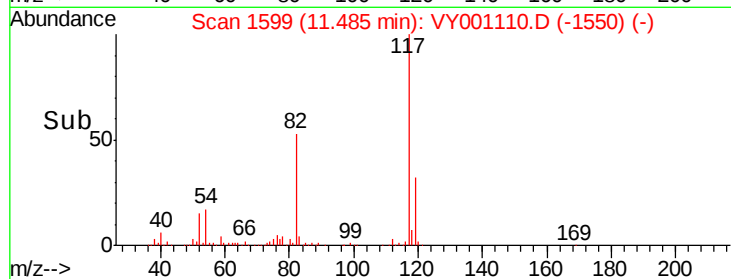
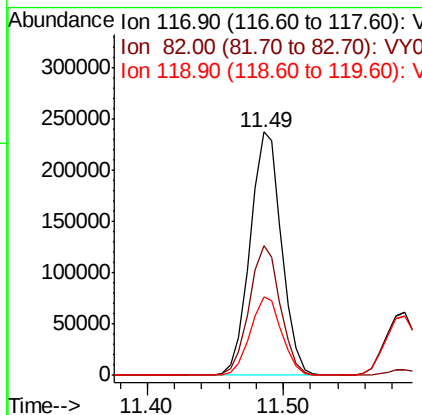
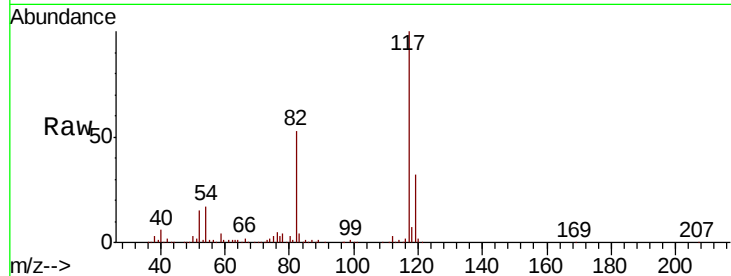
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.8	65.8
119	32.2	25.8	38.6

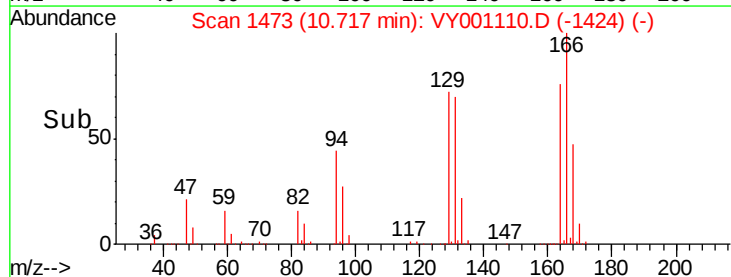
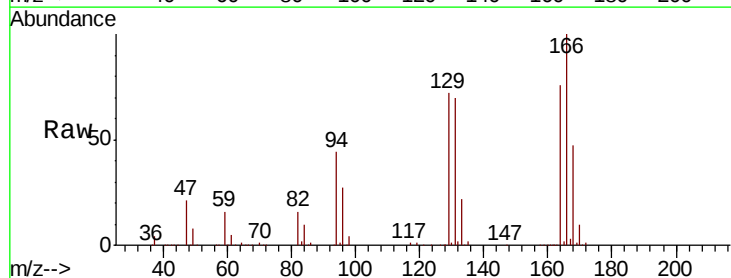
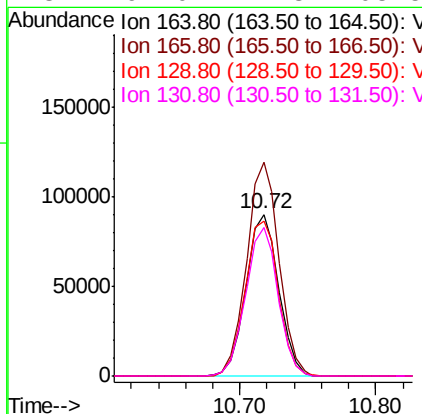
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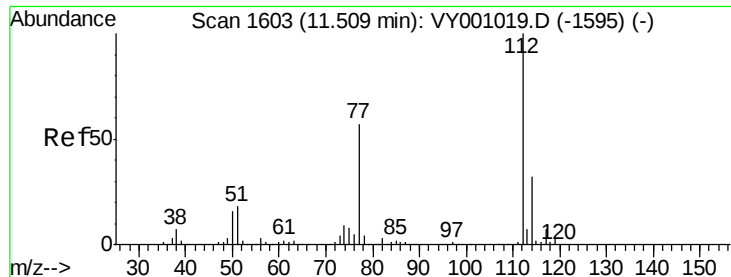
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#64
Tetrachloroethene
Concen: 45.627 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	99.7	149.5
129	95.6	76.9	115.3
131	92.0	72.3	108.5





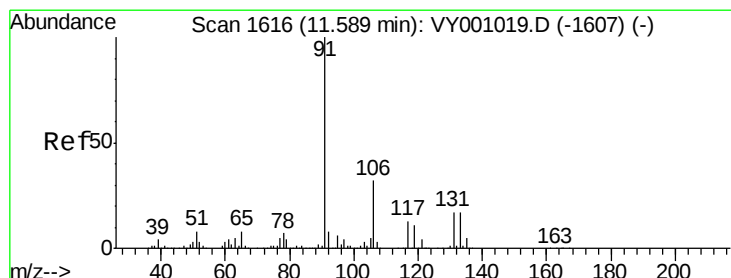
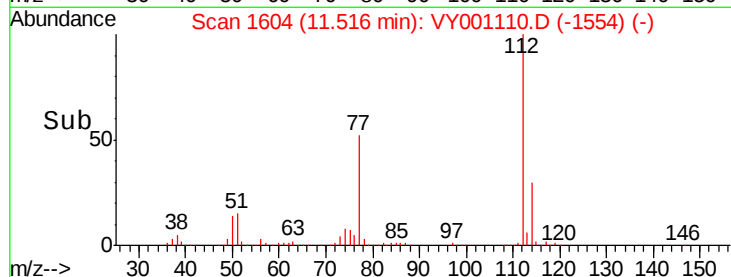
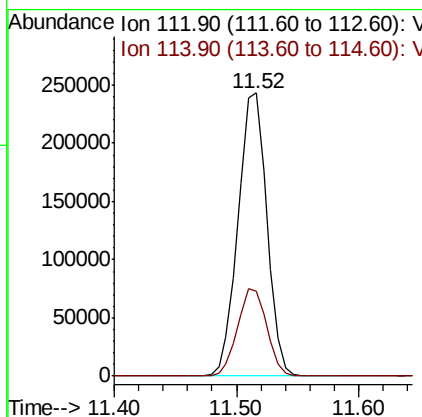
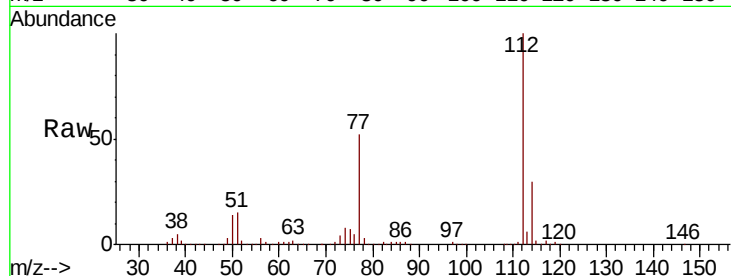
#65
Chlorobenzene
Concen: 49.645 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion:112 Resp: 396694
Ion Ratio Lower Upper
112 100
114 30.0 25.4 38.2

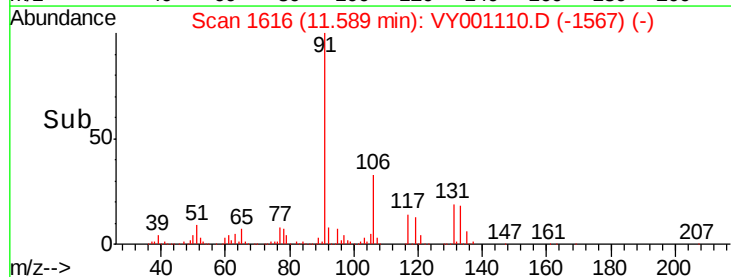
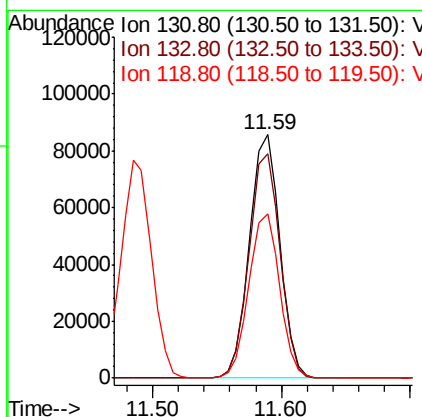
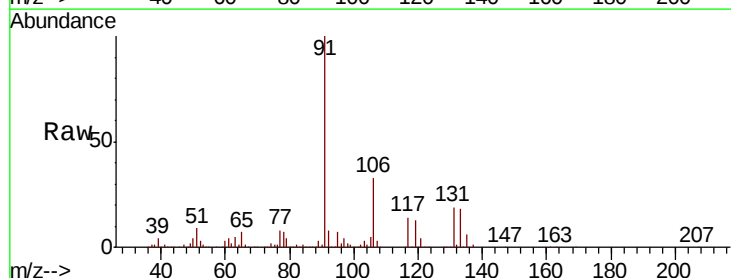
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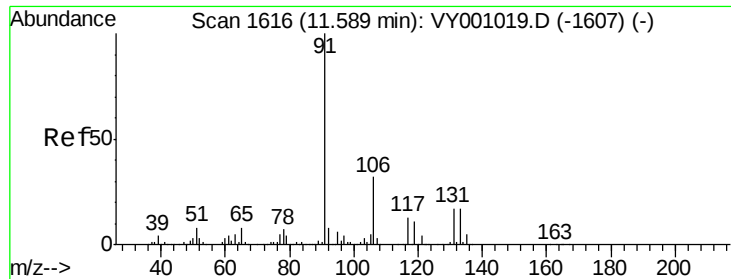
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.703 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion:131 Resp: 138973
Ion Ratio Lower Upper
131 100
133 94.1 48.1 144.4
119 68.9 34.0 101.8





#67

Ethyl Benzene

Concen: 47.888 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 91 Resp: 688268

Ion Ratio Lower Upper

91 100

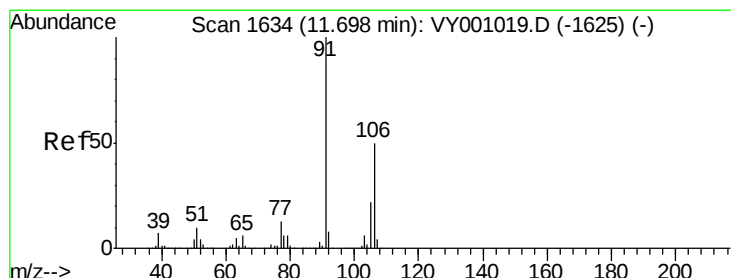
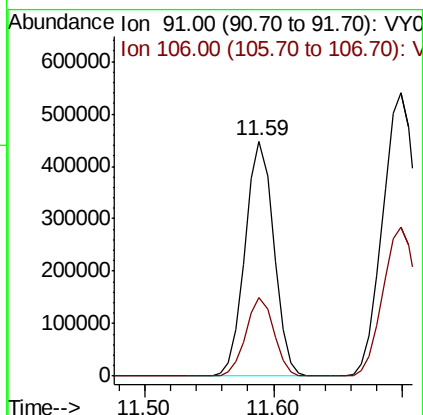
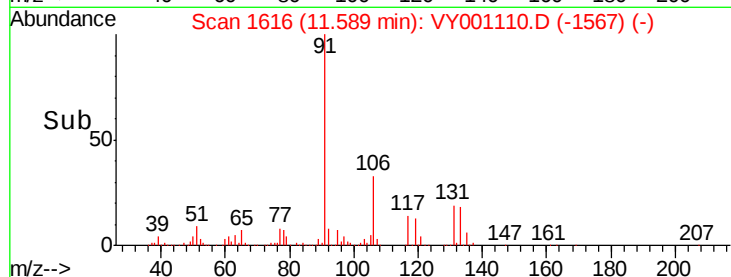
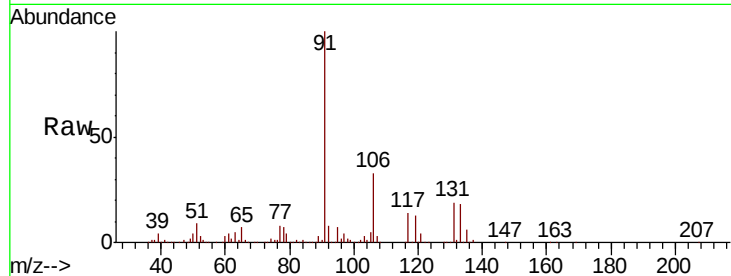
106 33.3 25.3 37.9

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#68

m/p-Xylenes

Concen: 96.101 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001110.D

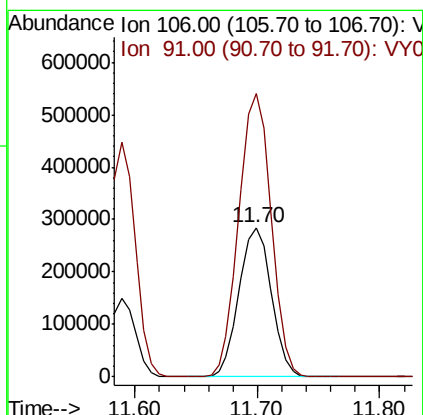
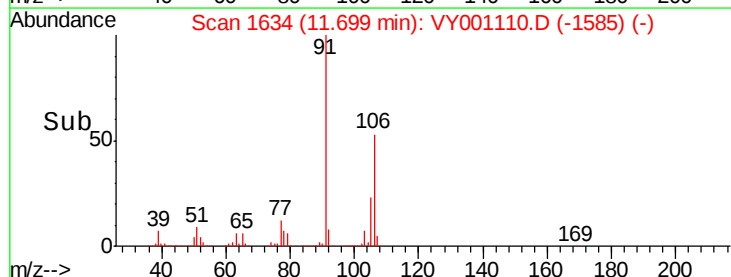
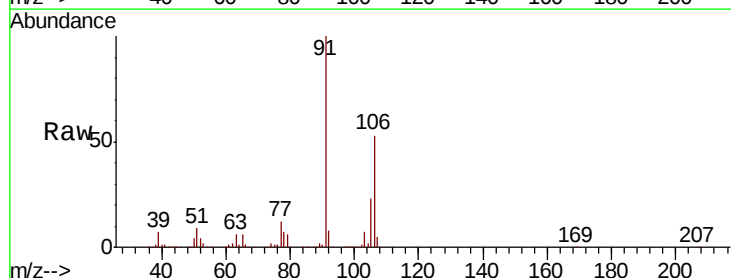
Acq: 27 Dec 2019 19:46

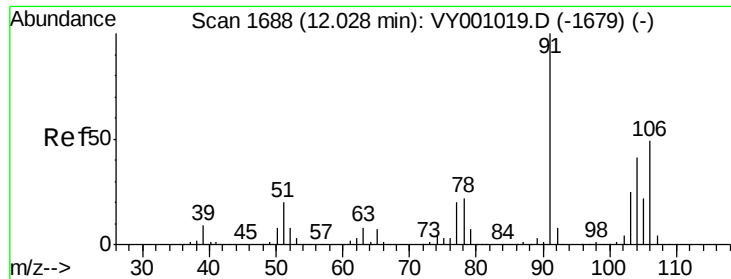
Tgt Ion: 106 Resp: 524436

Ion Ratio Lower Upper

106 100

91 190.1 156.4 234.6





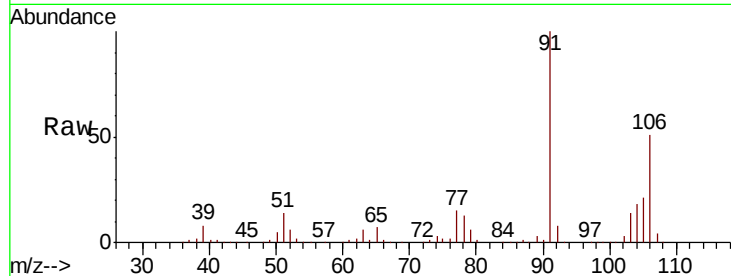
#69
o-Xylene
Concen: 50.066 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

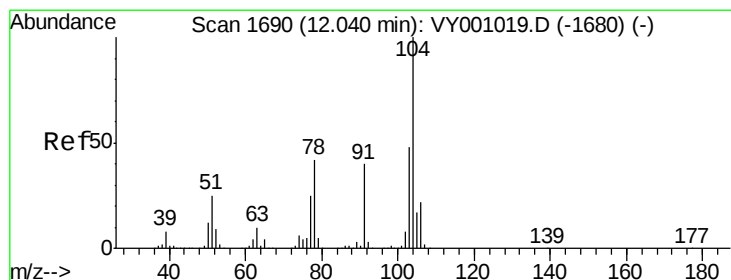
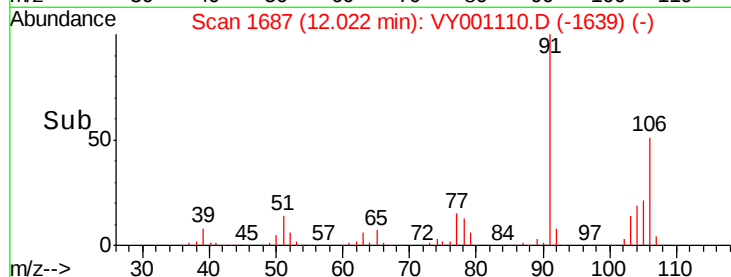
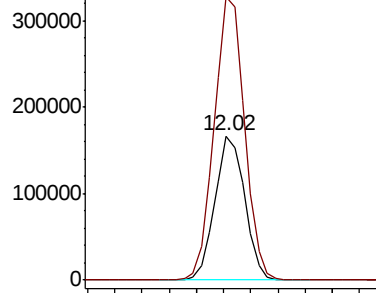
Tot Ion:106 Resp: 257031
Ion Ratio Lower Upper
106 100
91 199.3 103.0 309.0

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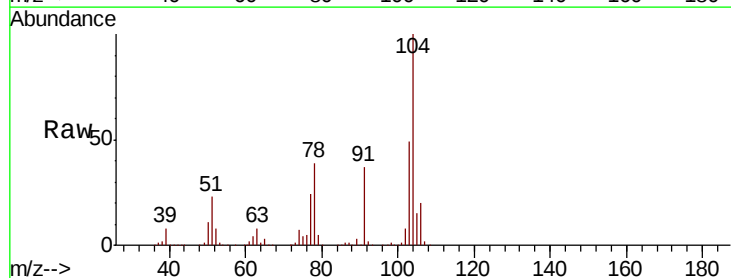


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

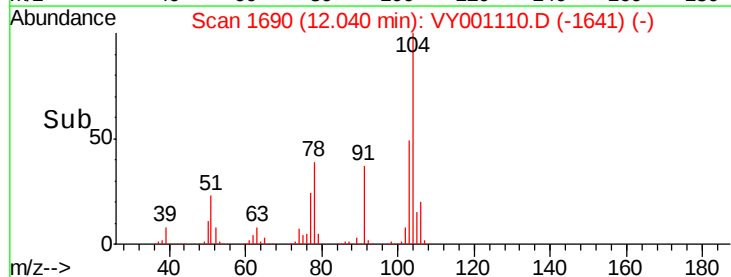
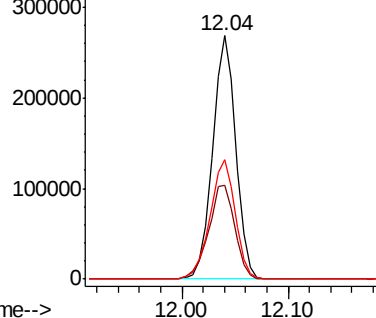


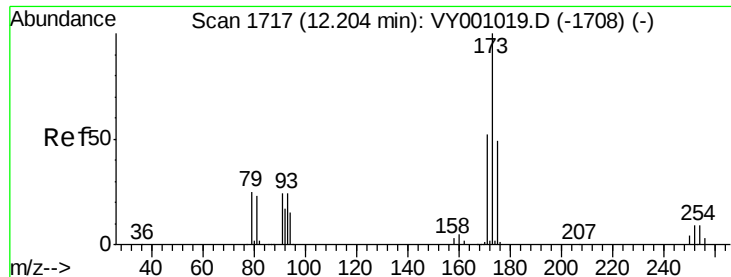
#70
Styrene
Concen: 46.884 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion:104 Resp: 409267
Ion Ratio Lower Upper
104 100
78 43.9 36.6 54.8
103 53.4 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: 52.032 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion:173 Resp: 76397

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

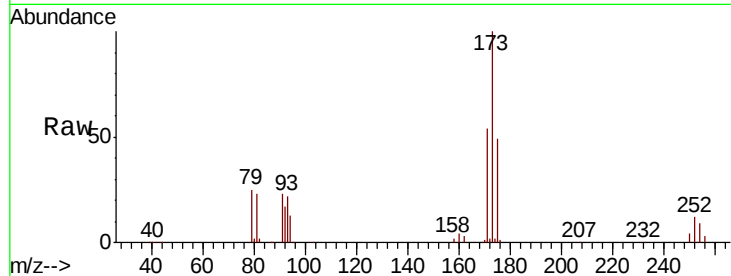
254 0.0 0.0 0.0

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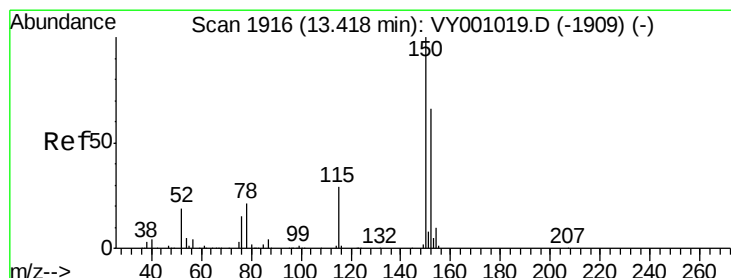
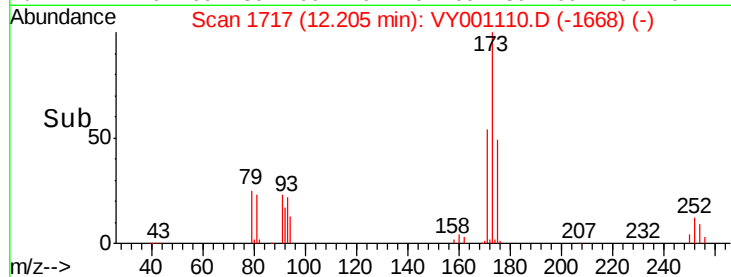
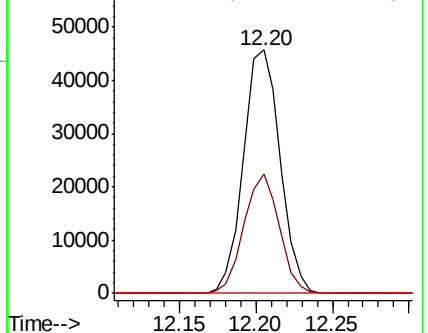
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1916

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

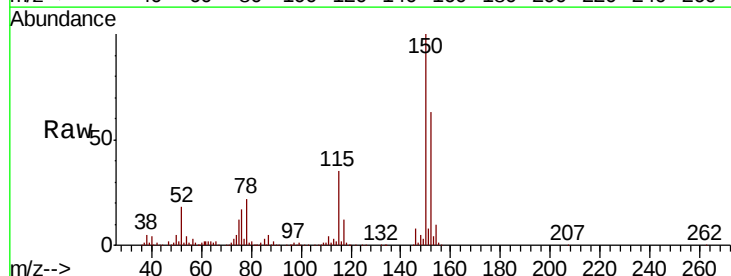
Tgt Ion:152 Resp: 152375

Ion Ratio Lower Upper

152 100

115 56.6 29.8 89.3

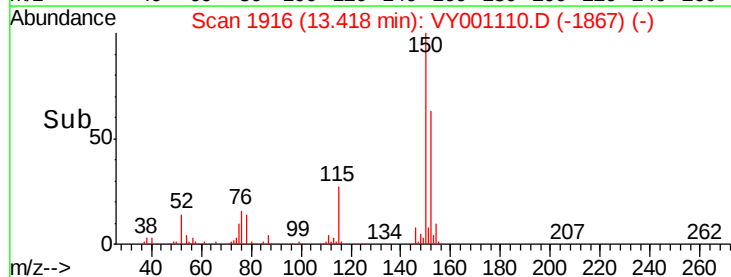
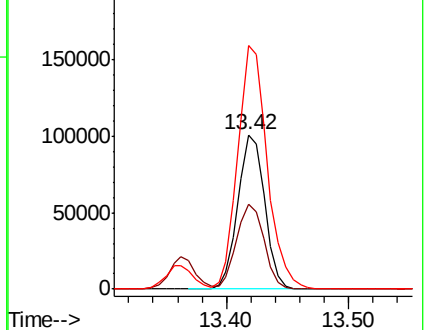
150 173.7 0.0 352.6

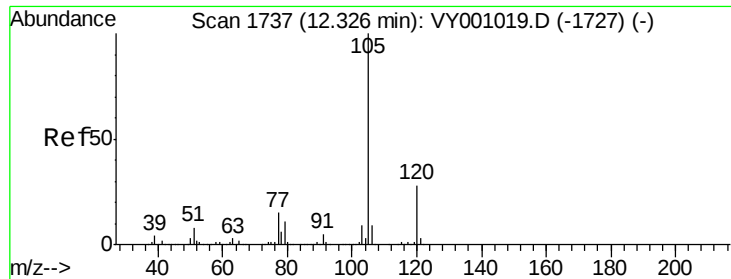


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.941 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 105 Resp: 624249

Ion Ratio Lower Upper

105 100

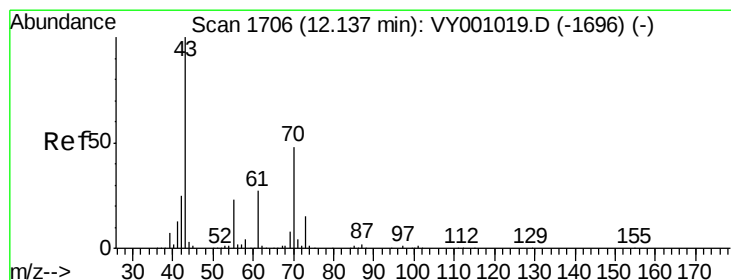
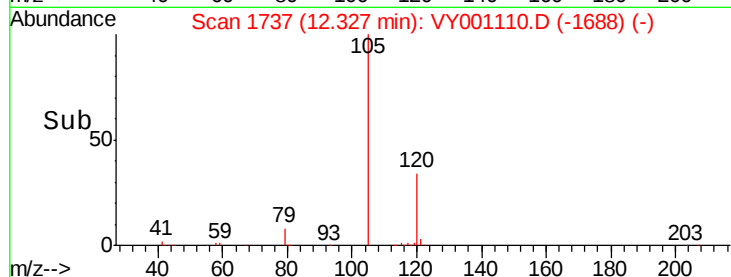
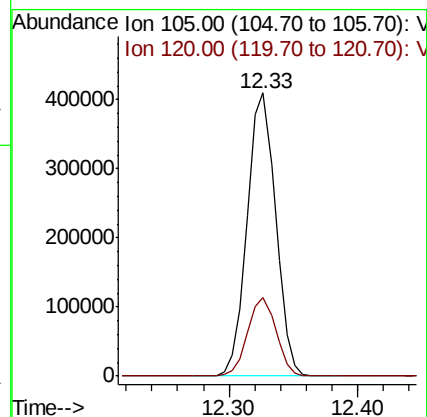
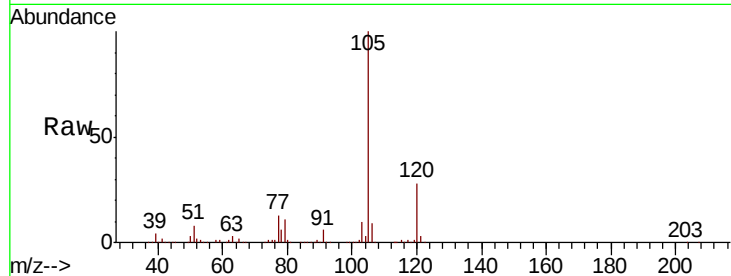
120 27.6 13.4 40.2

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#74

N-ethyl acetate

Concen: 4.795 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion: 43 Resp: 14854

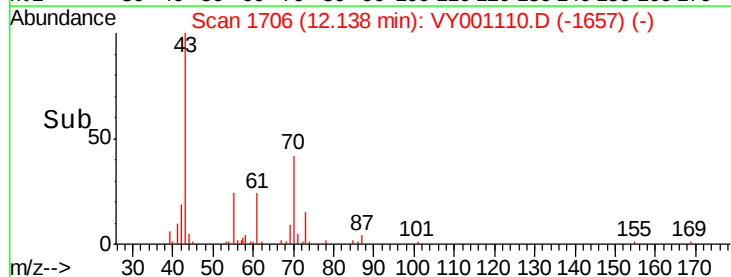
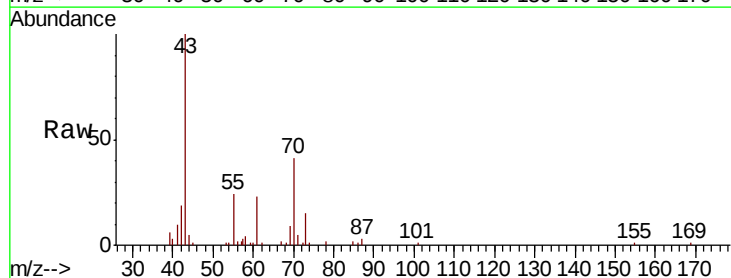
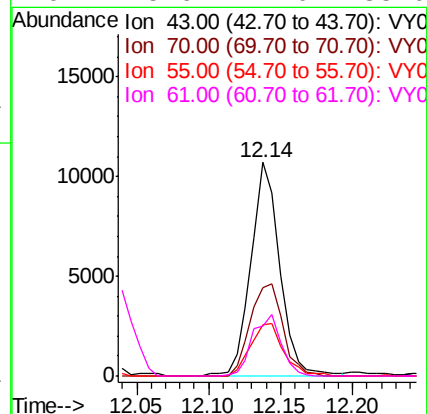
Ion Ratio Lower Upper

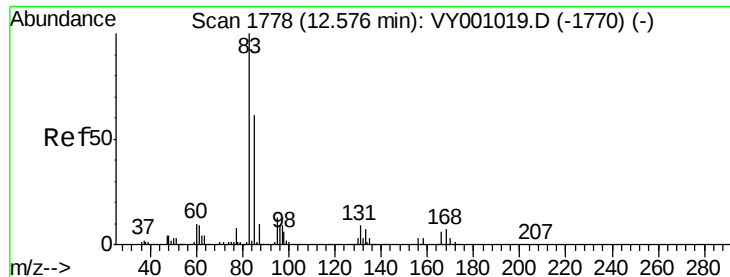
43 100

70 48.2 39.0 58.6

55 28.0 19.5 29.3

61 28.6 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.211 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

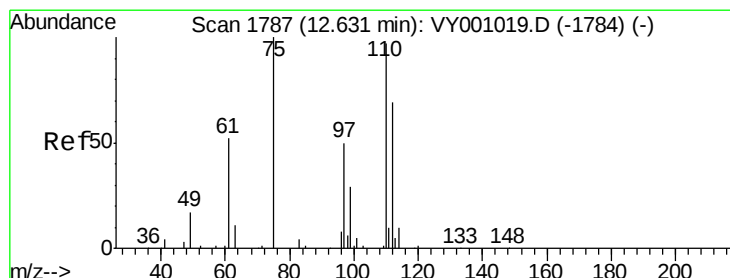
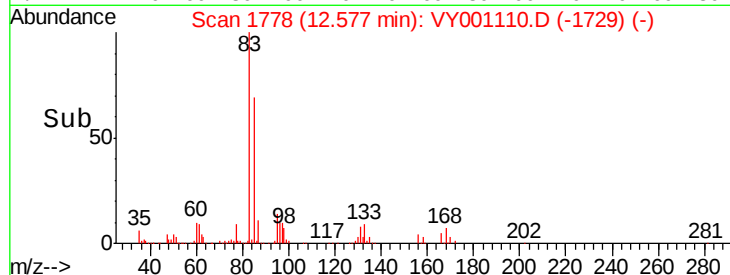
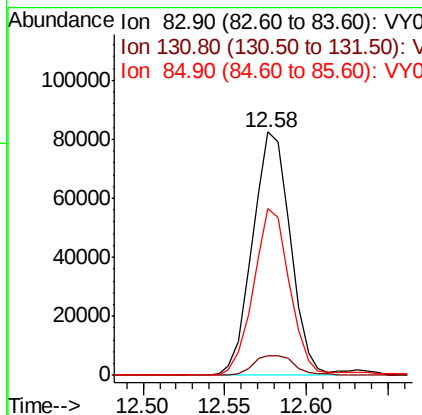
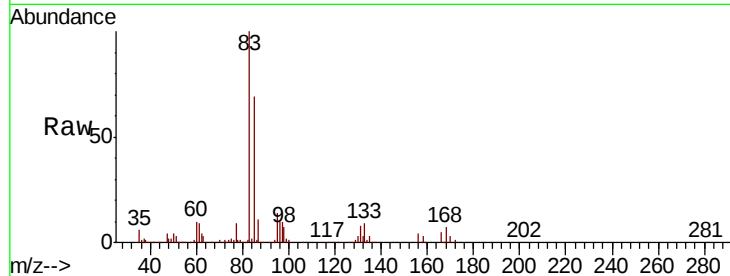
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	83	Resp:	132897
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.1	15.3
85	65.3	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.923 ug/l m

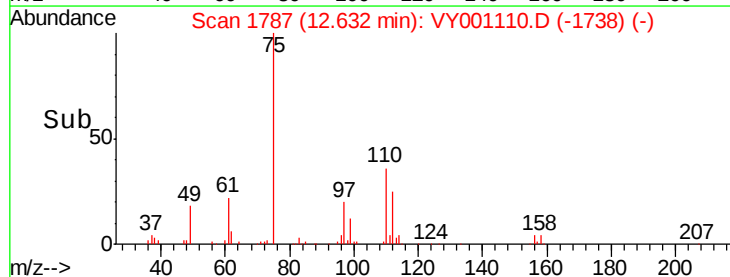
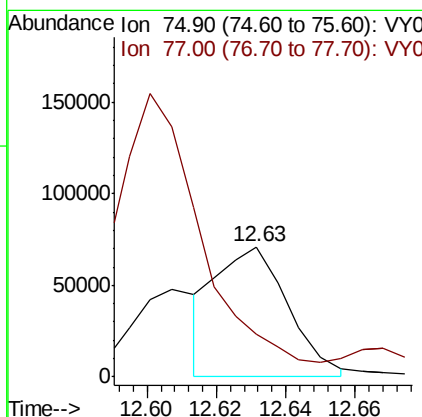
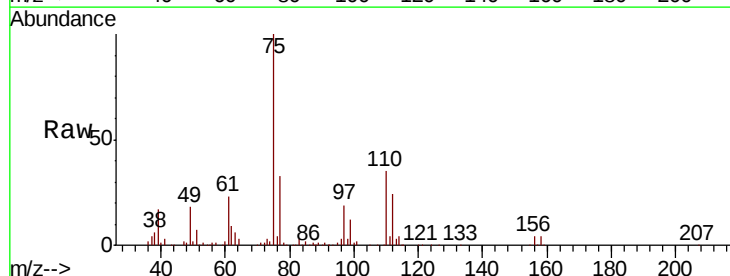
RT: 12.63 min Scan# 1787

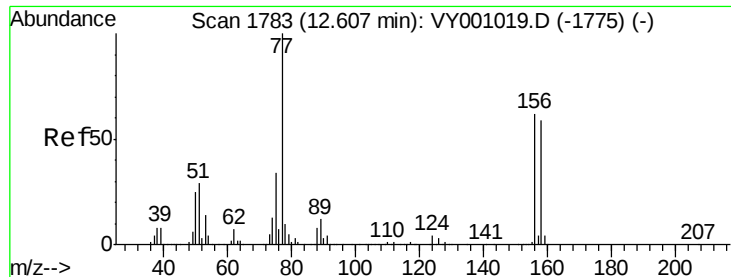
Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	75	Resp:	103171
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.150 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 156 Resp: 146255

Ion Ratio Lower Upper

156 100

77 188.0 98.0 294.1

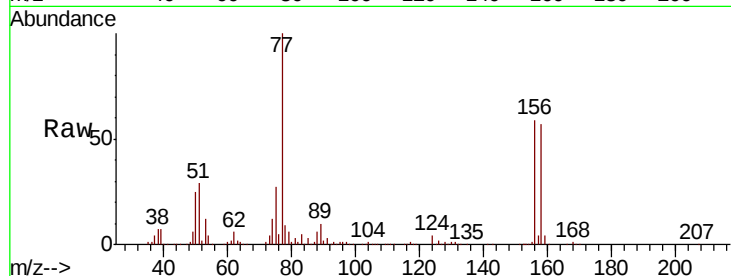
158 97.1 48.5 145.6

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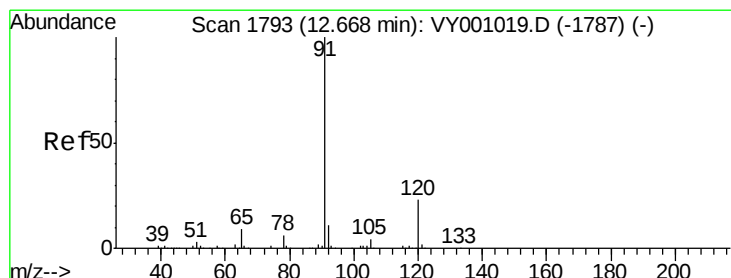
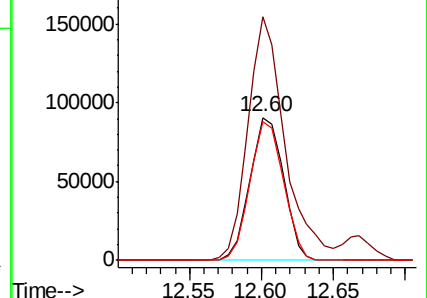
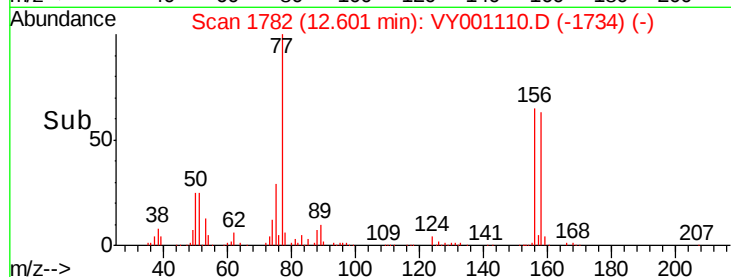
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.431 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001110.D

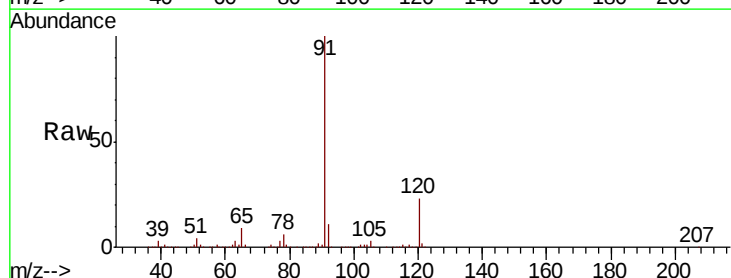
Acq: 27 Dec 2019 19:46

Tgt Ion: 91 Resp: 710215

Ion Ratio Lower Upper

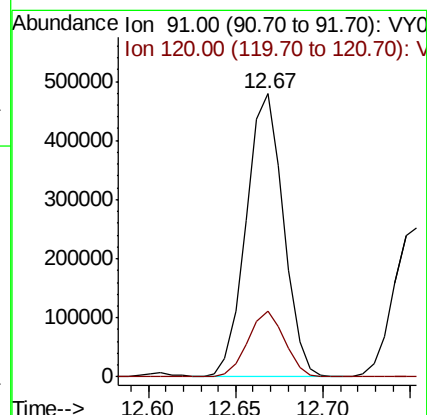
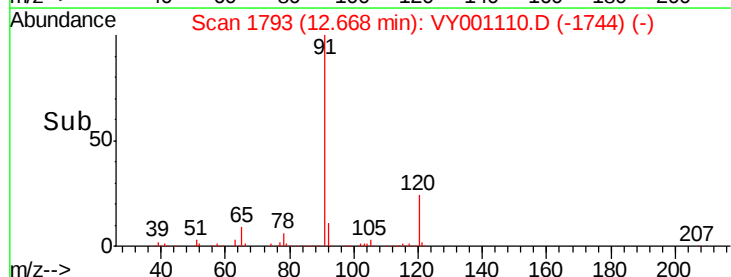
91 100

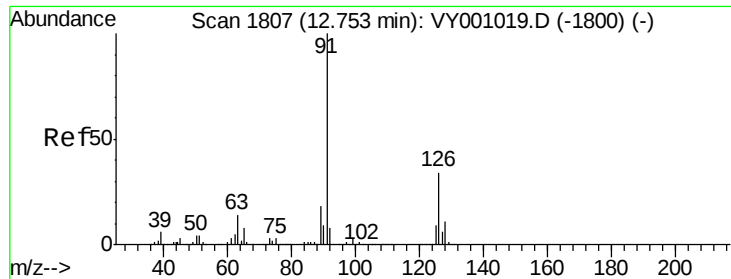
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.158 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion: 91 Resp: 397984

Ion Ratio Lower Upper

91 100

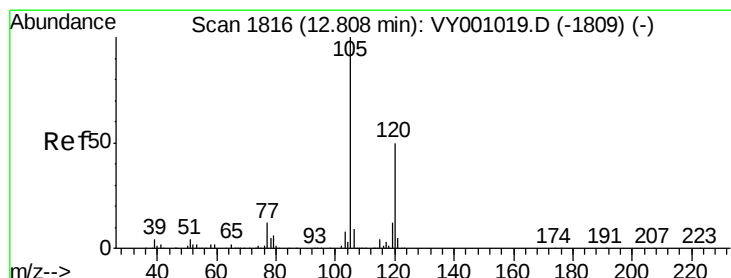
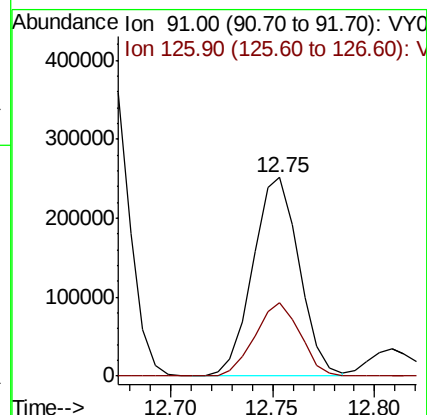
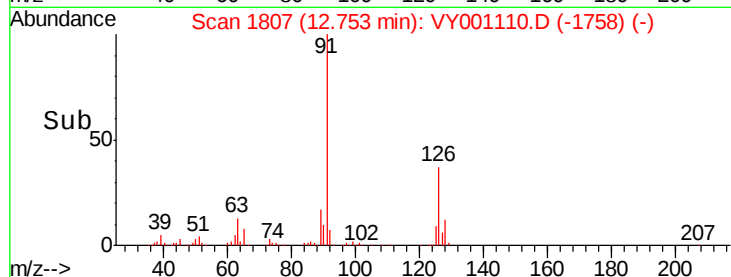
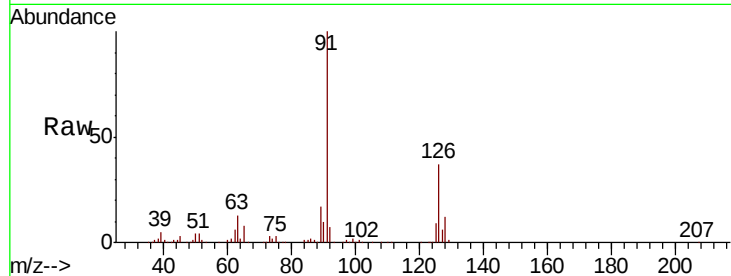
126 36.2 17.3 51.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.165 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001110.D

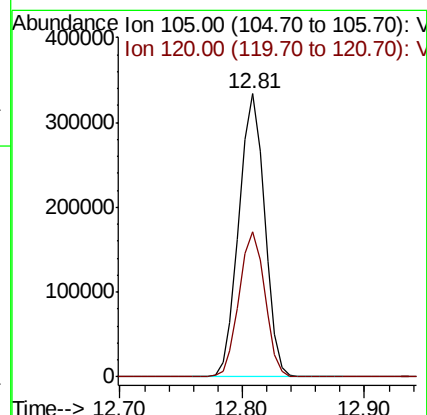
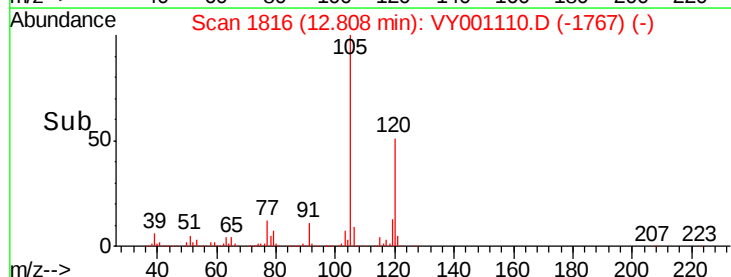
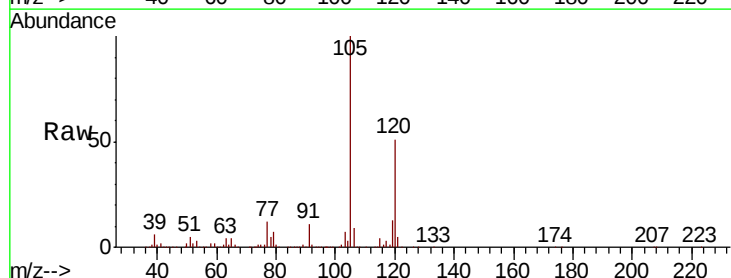
Acq: 27 Dec 2019 19:46

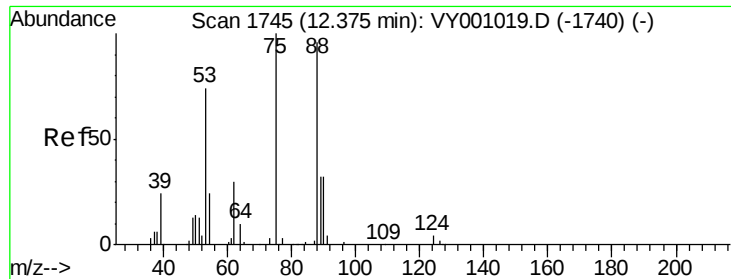
Tgt Ion: 105 Resp: 484868

Ion Ratio Lower Upper

105 100

120 51.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.388 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

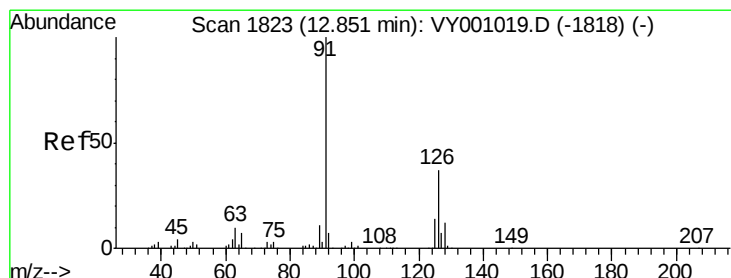
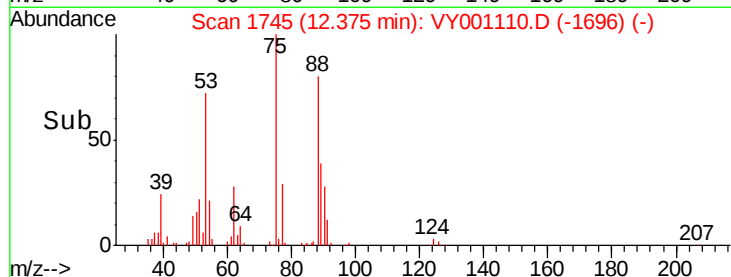
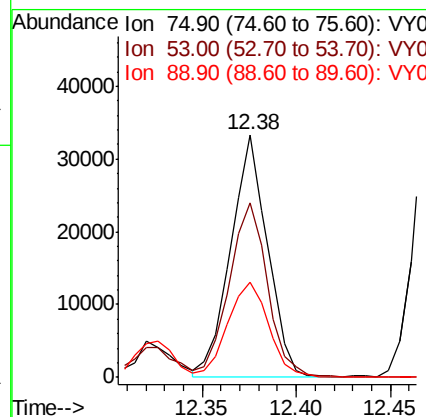
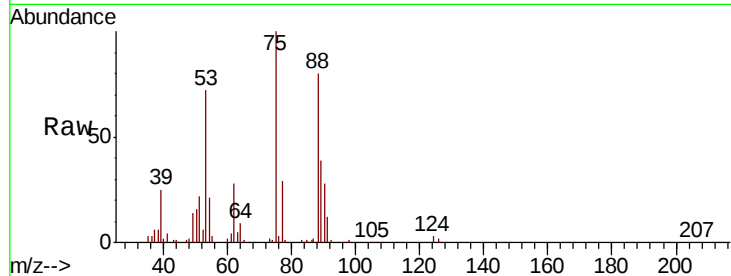
ClientSampleId :

DUNR-BF001-01MS

Tot Ion:	75	Resp:	45261
Ion Ratio	Lower	Upper	
75	100		
53	75.1	60.6	91.0
89	43.5	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.958 ug/l

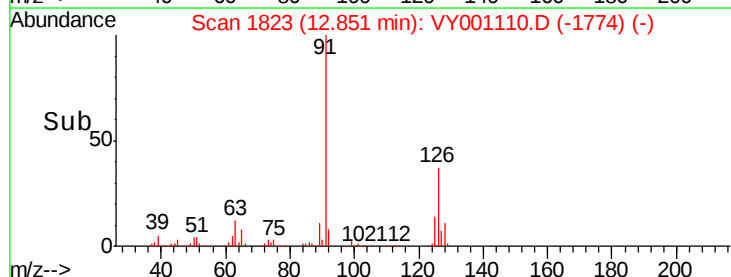
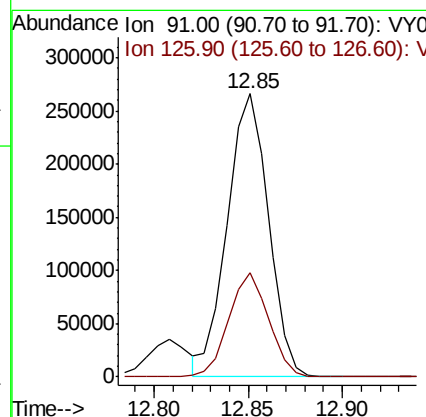
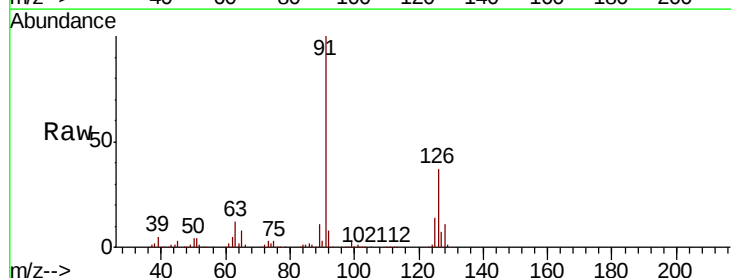
RT: 12.85 min Scan# 1823

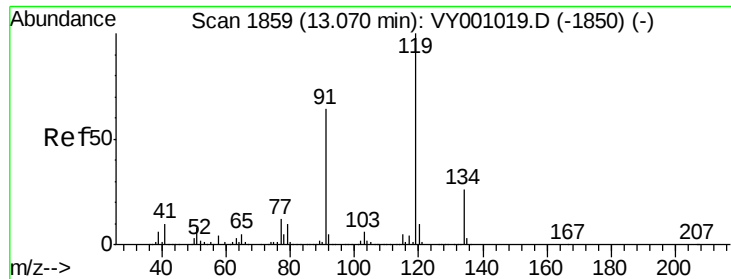
Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion:	91	Resp:	403486
Ion Ratio	Lower	Upper	
91	100		
126	35.7	17.6	52.8





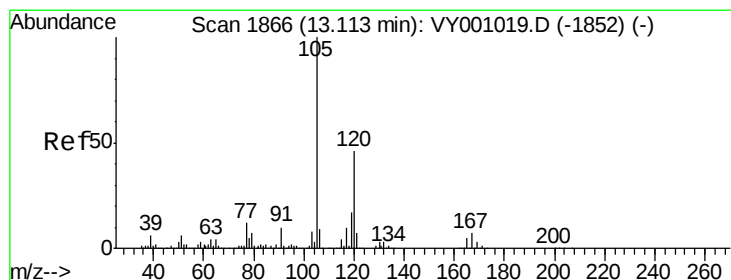
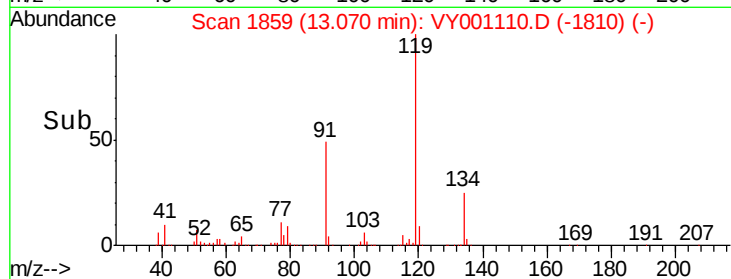
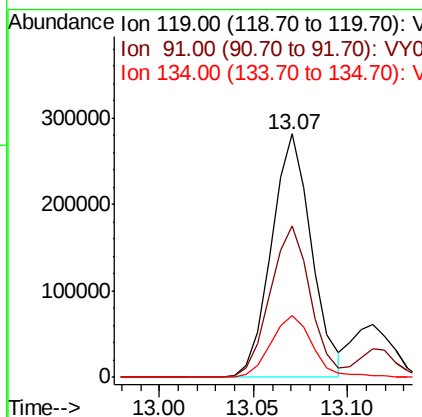
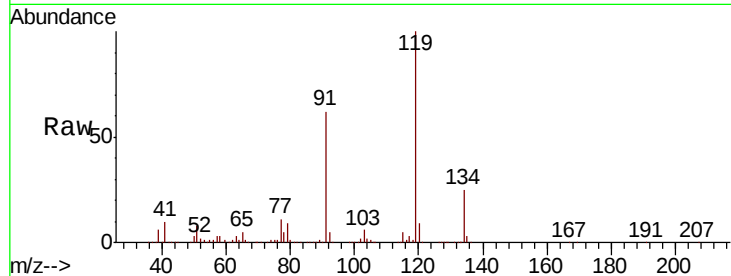
#83
 tert-Butylbenzene
 Concen: 51.221 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	415577		
91	62.4	31.9	95.7	
134	26.7	13.6	40.7	

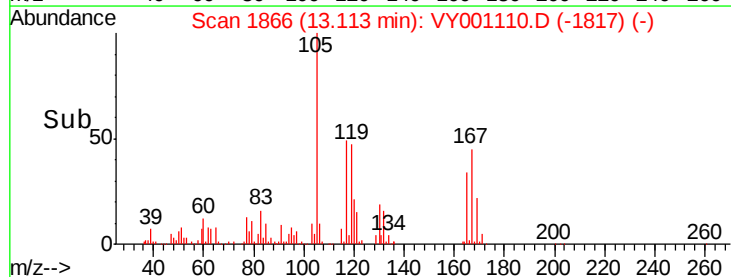
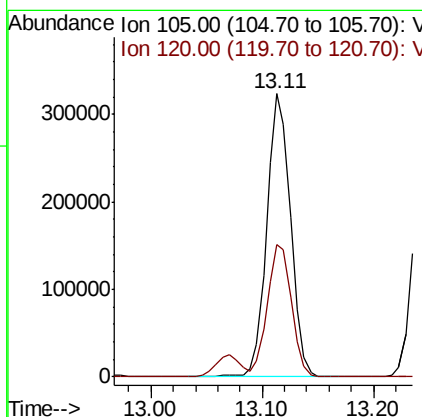
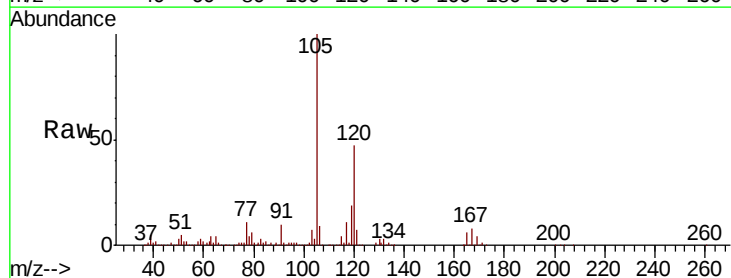
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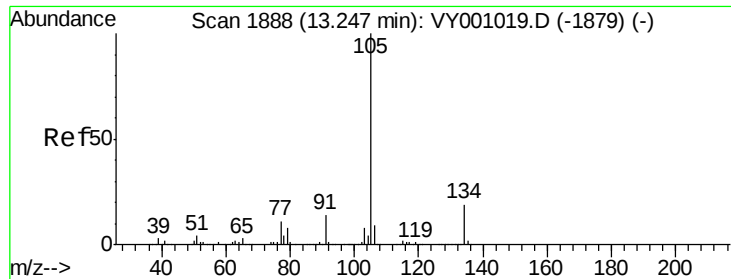
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.590 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481651		
120	47.4	23.4	70.2	





#85

sec-Butylbenzene

Concen: 45.367 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MS

Tot Ion:105 Resp: 542644

Ion Ratio Lower Upper

105 100

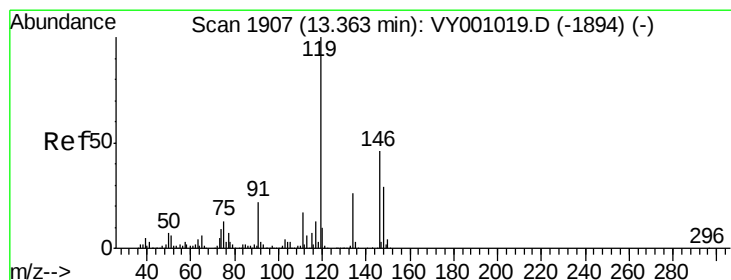
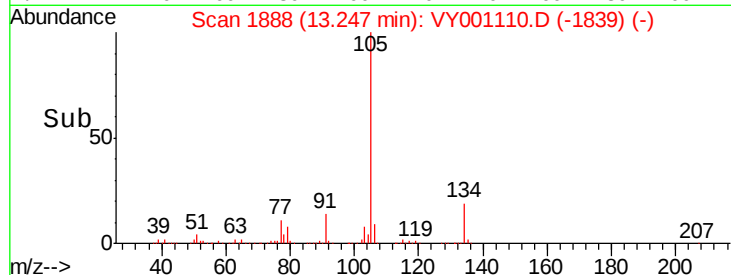
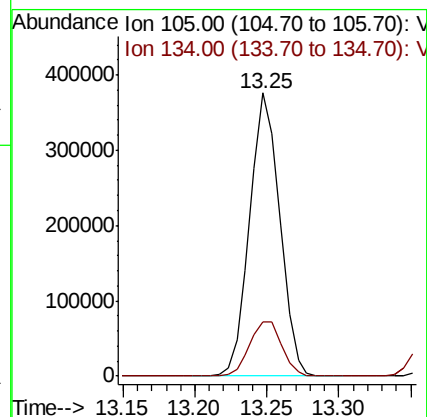
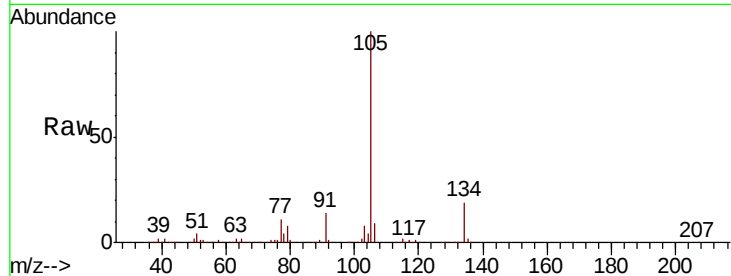
134 20.7 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 42.586 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

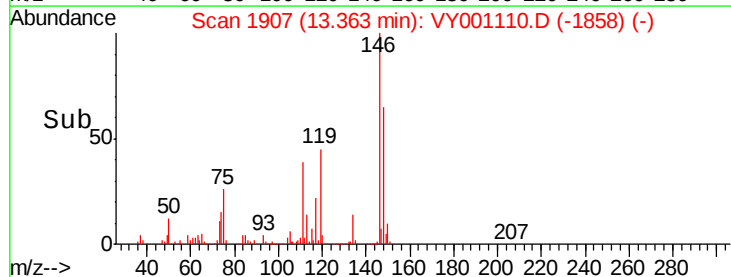
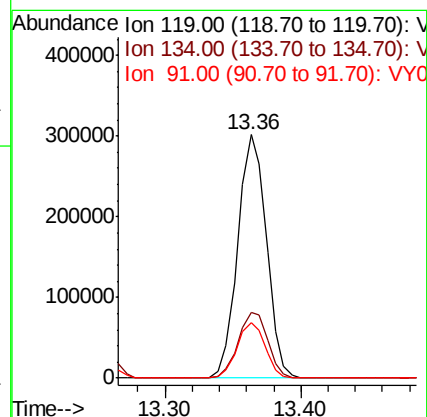
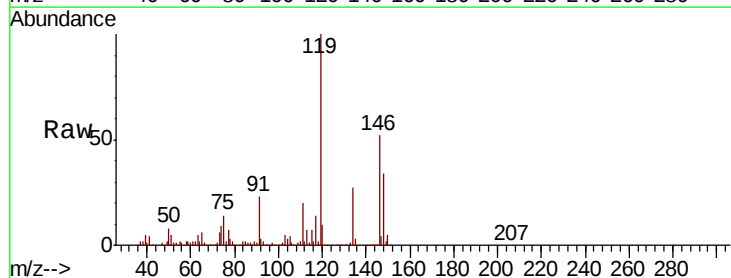
Tgt Ion:119 Resp: 440758

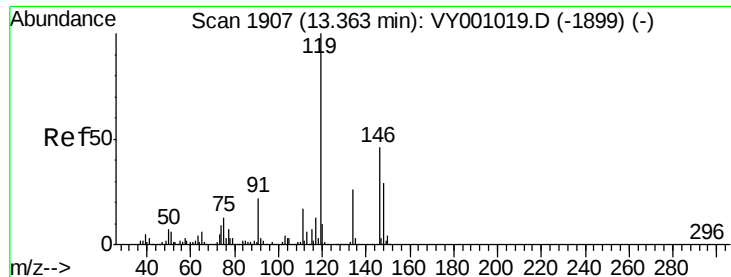
Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.7

91 22.7 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 47.813 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

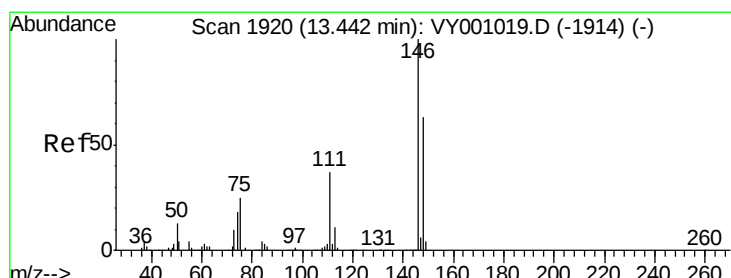
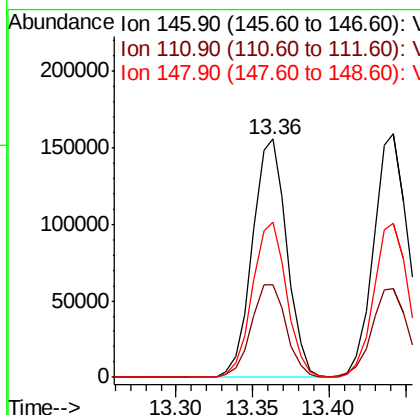
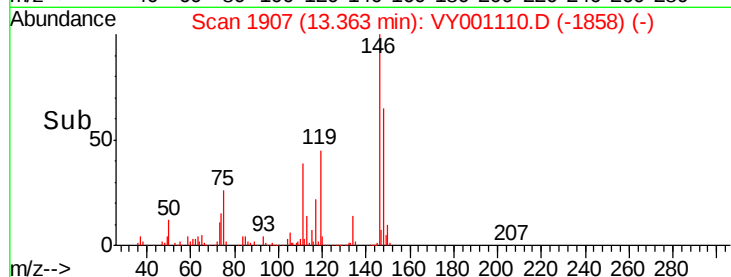
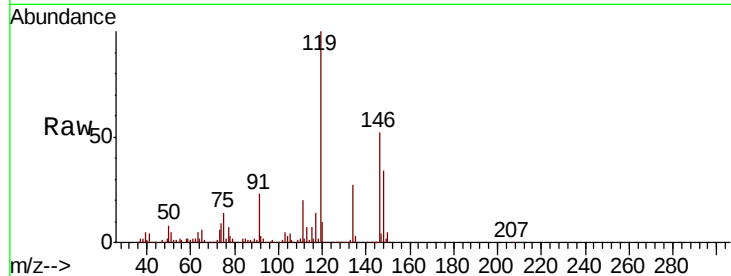
Instrument :
MSVOA_Y

ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.5	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 48.196 ug/l

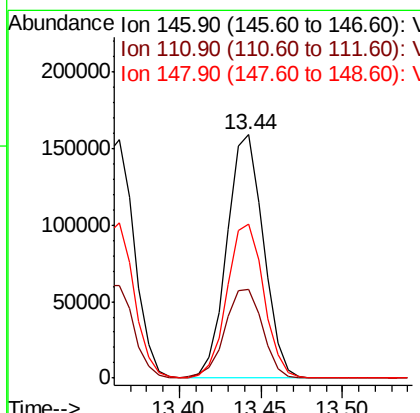
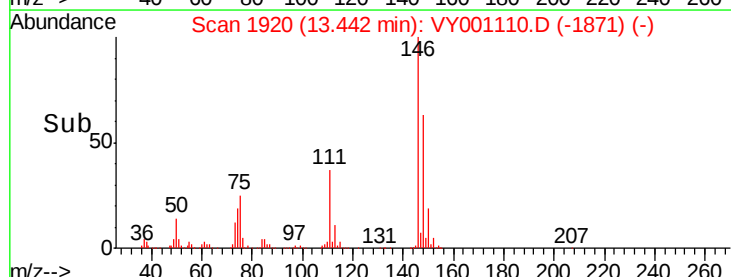
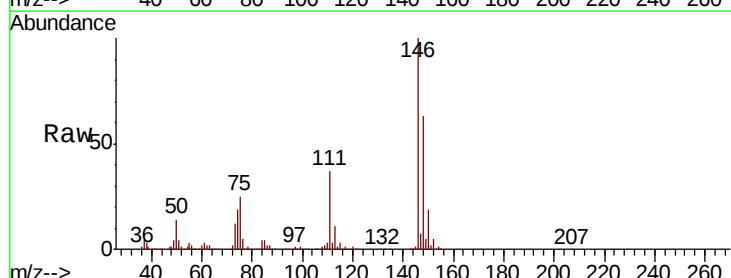
RT: 13.44 min Scan# 1920

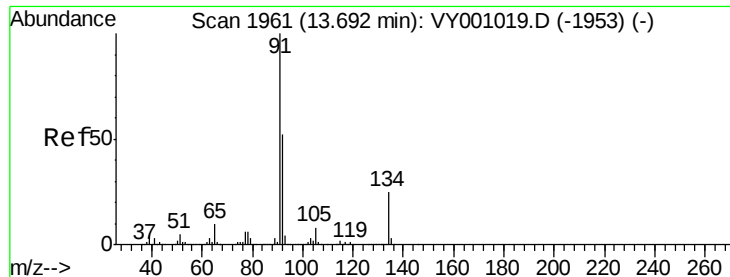
Delta R.T. 0.00 min

Lab File: VY001110.D

Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.2
148	63.9	31.8	95.3





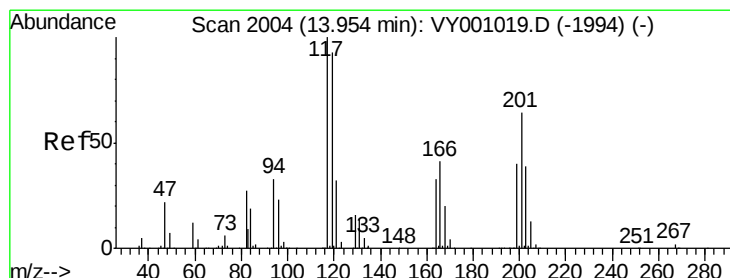
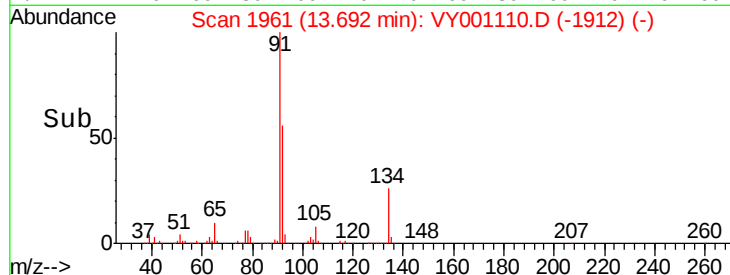
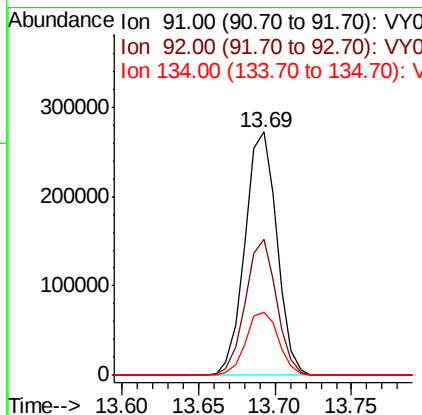
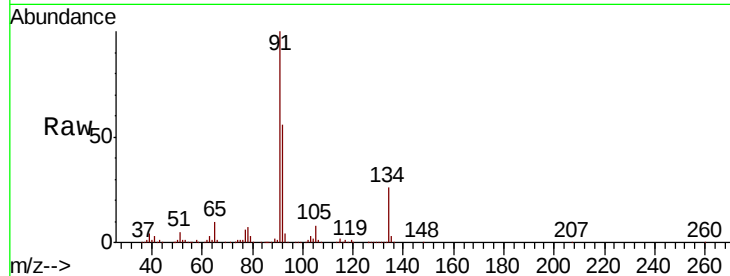
#89
n-Butylbenzene
Concen: 37.934 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.9	80.7
134	26.8	12.7	38.0

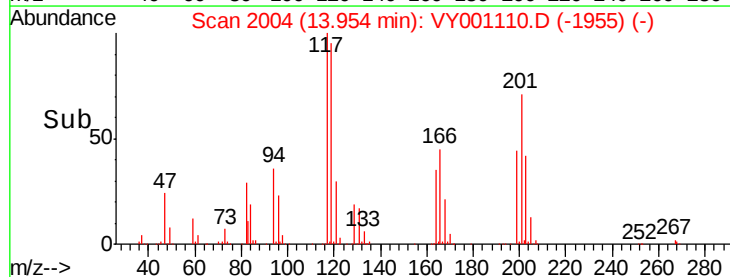
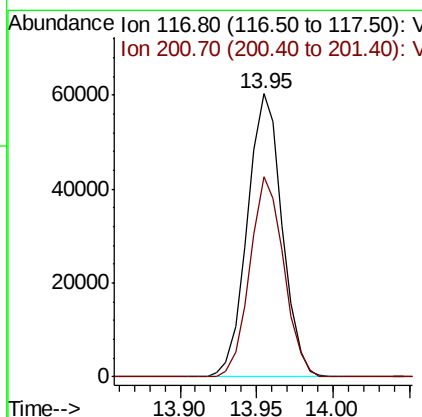
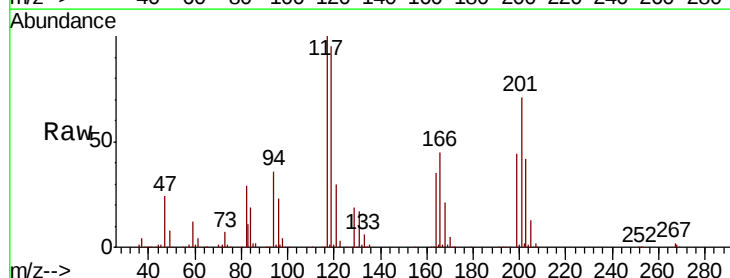
Manual Integrations
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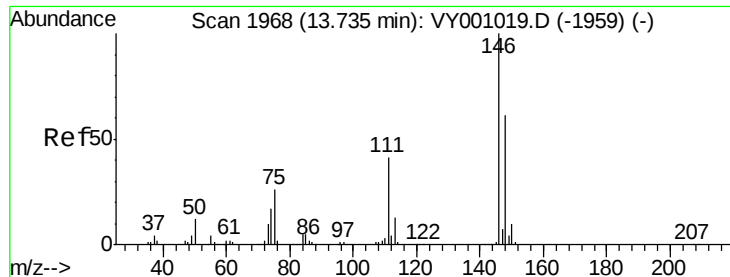
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#90
Hexachloroethane
Concen: 48.812 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	33.7	101.1





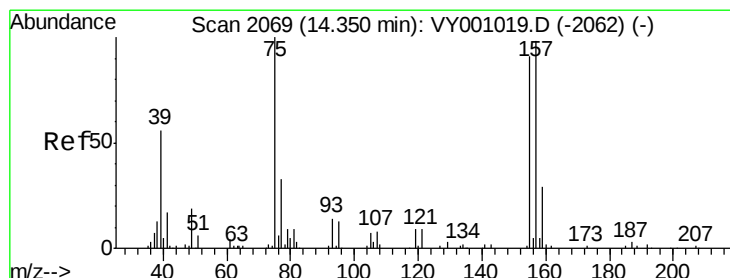
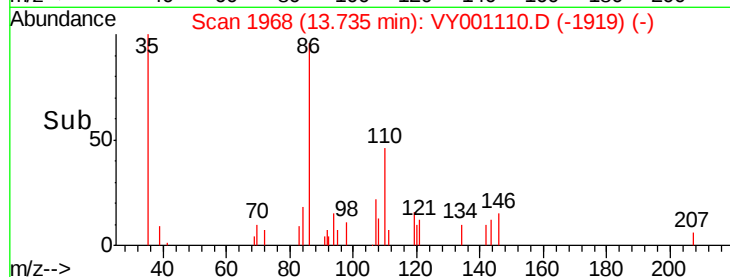
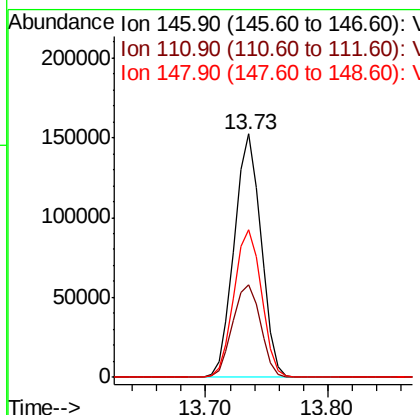
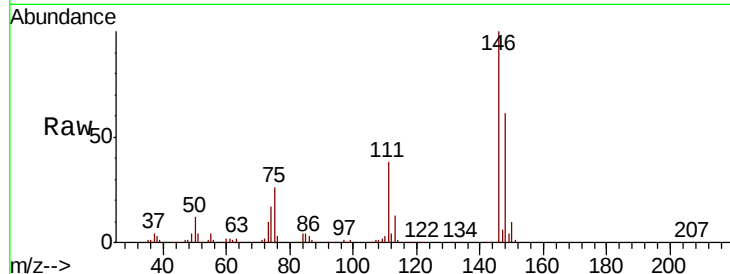
#91
 1,2-Dichlorobenzene
 Concen: 49.129 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.9
148	62.4	31.6	94.7

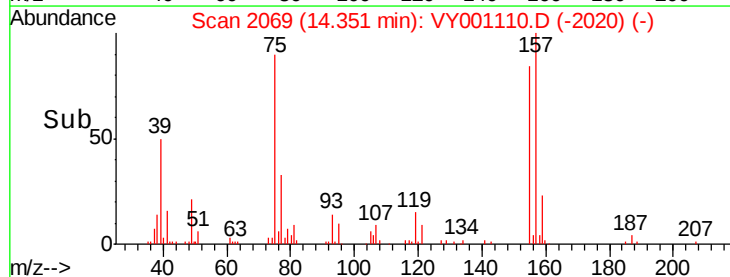
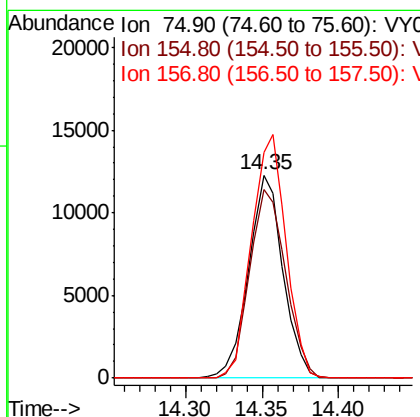
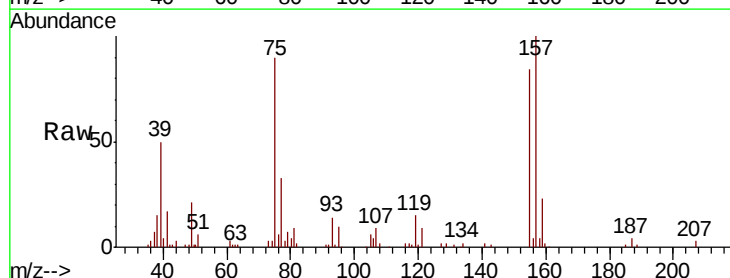
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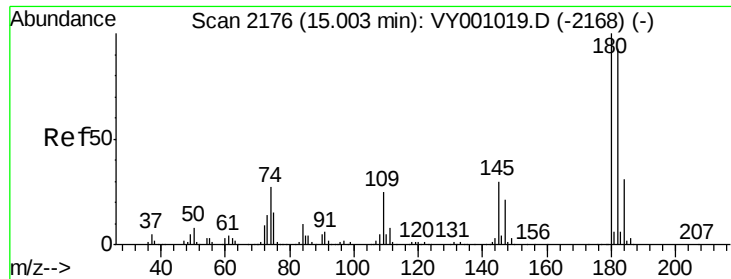
apatel
 12/30/2019 3:36:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.498 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.1	46.3	138.9
157	120.1	58.1	174.4





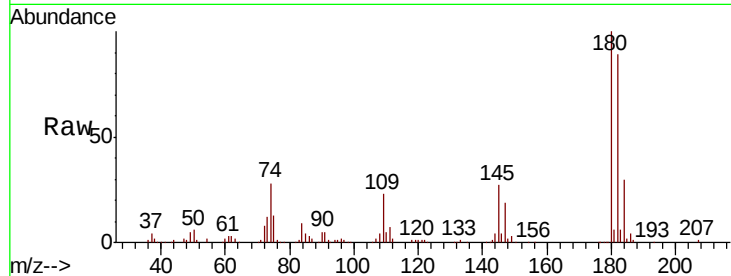
#93
 1,2,4-Trichlorobenzene
 Concen: 34.975 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110914		
182	93.7	46.8	140.3	
145	30.0	15.3	45.9	

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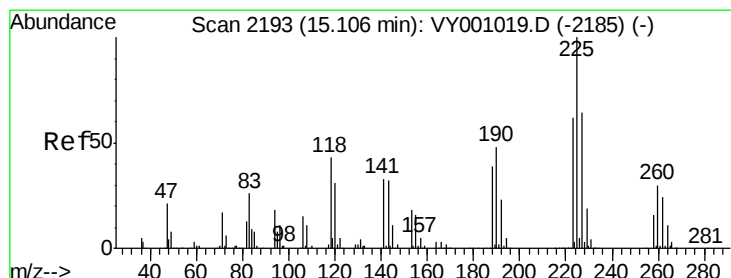
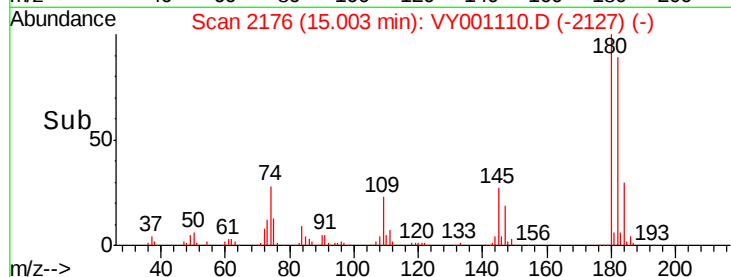
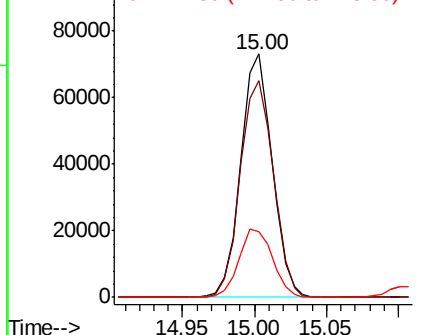


Abundance

Ion 179.80 (179.50 to 180.50): V

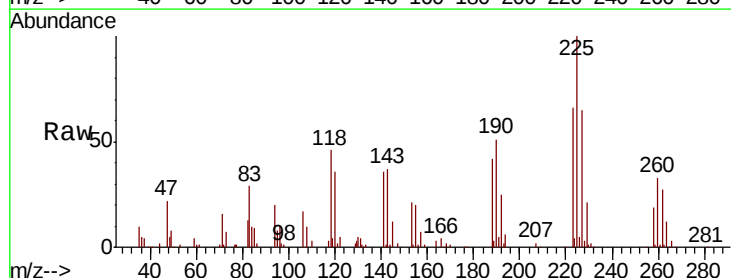
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 29.505 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001110.D
 Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44526		
223	63.9	31.6	94.8	
227	60.8	31.9	95.5	

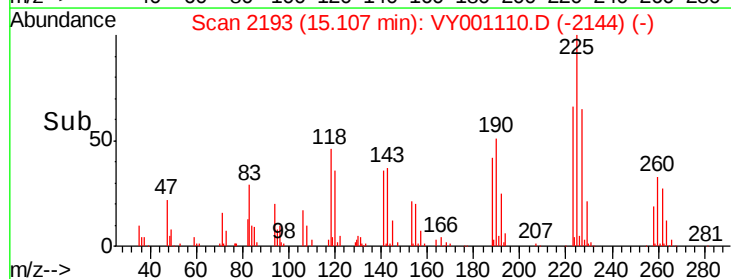
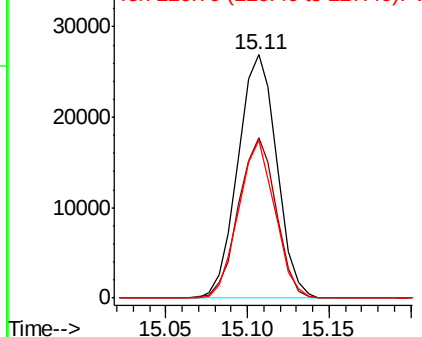


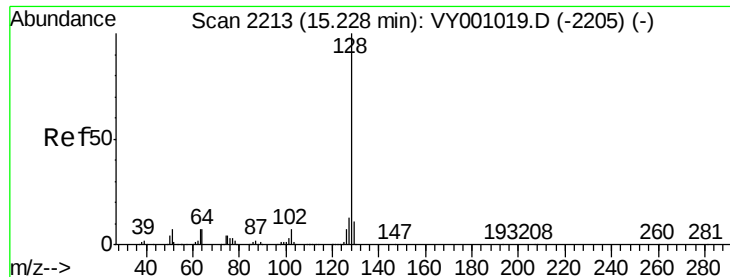
Abundance

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





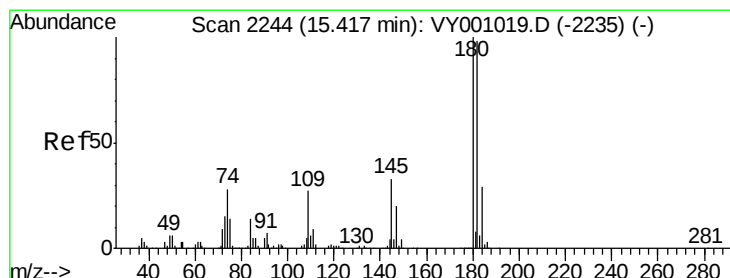
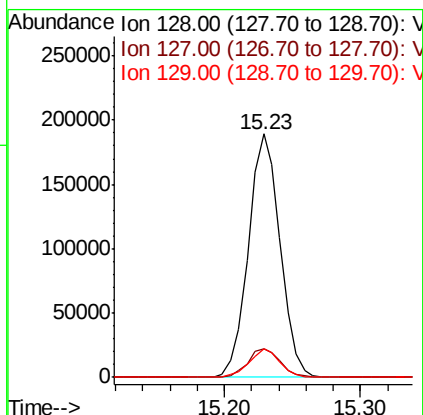
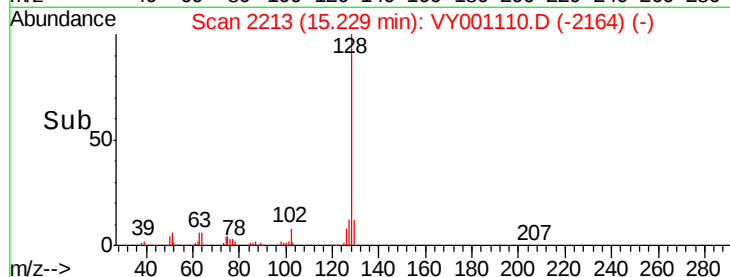
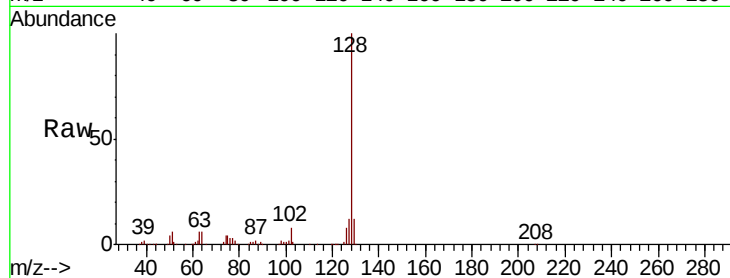
#95
Naphthalene
Concen: 41.432 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	309000		
127	12.1		9.9	14.9
129	11.3		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 34.766 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001110.D
Acq: 27 Dec 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98321		
182	94.1		47.9	143.8
145	32.1		16.3	48.9

