

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001080.D
 Acq On : 26 Dec 2019 18:10
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Manual Integrations
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 12/27/2019 11:05:01 AM

Quant Time: Dec 27 06:33:06 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	284621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	500474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	128278	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
35) Dibromofluoromethane	7.74	113	146342	49.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.18	98	593379	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	173809	41.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	104333	42.068	ug/l	97
3) Chloromethane	2.12	50	132268	39.185	ug/l	98
4) Vinyl Chloride	2.26	62	136100	41.519	ug/l	99
5) Bromomethane	2.65	94	88334	42.213	ug/l	99
6) Chloroethane	2.80	64	92351	45.233	ug/l	94
7) Trichlorofluoromethane	3.13	101	216760	45.083	ug/l	96
8) Diethyl Ether	3.54	74	85118	43.369	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	147217	46.613	ug/l	100
10) Methyl Iodide	4.10	142	193098	44.252	ug/l	99
11) Tert butyl alcohol	4.97	59	49275	159.644	ug/l	100
12) 1,1-Dichloroethene	3.88	96	146791	45.908	ug/l	97
13) Acrolein	3.74	56	14636	38.271	ug/l	98
14) Allyl chloride	4.49	41	224599	45.216	ug/l	98
15) Acrylonitrile	5.18	53	185035	188.644	ug/l	99
16) Acetone	3.96	43	116871	180.721	ug/l	100
17) Carbon Disulfide	4.20	76	384036	36.755	ug/l	98
18) Methyl Acetate	4.49	43	265290	106.925	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	360544	43.688	ug/l	97
20) Methylene Chloride	4.73	84	173803	45.660	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	169490	47.829	ug/l	97
22) Diisopropyl ether	6.13	45	480031	47.811	ug/l	92
23) Vinyl Acetate	6.08	43	131212	20.693	ug/l	100
24) 1,1-Dichloroethane	6.04	63	286765	48.332	ug/l	98
25) 2-Butanone	7.00	43	198855	175.037	ug/l	94
26) 2,2-Dichloropropane	6.99	77	213160	43.728	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	193172	49.618	ug/l	97
28) Bromochloromethane	7.35	49	112099	48.422	ug/l	95
29) Tetrahydrofuran	7.36	42	135967	168.251	ug/l	97
30) Chloroform	7.52	83	276990	49.371	ug/l	98
31) Cyclohexane	7.80	56	246745	39.548	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	230077	48.074	ug/l	99
36) 1,1-Dichloropropene	7.93	75	218529	45.770	ug/l	98
37) Ethyl Acetate	7.09	43	65041	24.602	ug/l	98
38) Carbon Tetrachloride	7.91	117	196796	47.045	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	248376	39.174	ug/l	99
40) Benzene	8.17	78	687914	47.759	ug/l	97
41) Methacrylonitrile	7.34	41	66298m	57.843	ug/l	
42) 1,2-Dichloroethane	8.25	62	151792	44.078	ug/l	100
43) Isopropyl Acetate	8.28	43	141896	28.995	ug/l	94
44) Trichloroethene	8.95	130	180668	47.605	ug/l	98
45) 1,2-Dichloropropane	9.22	63	171504	47.462	ug/l	97
46) Dibromomethane	9.31	93	82916	44.514	ug/l	98
47) Bromodichloromethane	9.50	83	206682	47.902	ug/l	97
48) Methyl methacrylate	9.30	41	95968	45.953	ug/l	97
49) 1,4-Dioxane	9.30	88	18938	695.017	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	448946	176.005	ug/l	99
52) Toluene	10.25	92	423632	47.784	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	208446	44.514	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	259399	46.069	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	122283	43.974	ug/l	93
56) Ethyl methacrylate	10.51	69	107794	27.236	ug/l	99
57) 1,3-Dichloropropane	10.79	76	211925	43.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	294382	192.579	ug/l	100
59) 2-Hexanone	10.83	43	286311	162.218	ug/l	96
60) Dibromochloromethane	10.99	129	136728	46.030	ug/l	99
61) 1,2-Dibromoethane	11.09	107	113006	42.497	ug/l	99
64) Tetrachloroethene	10.72	164	175680	48.915	ug/l	99
65) Chlorobenzene	11.52	112	431476	50.112	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	148149	52.139	ug/l	98
67) Ethyl Benzene	11.59	91	781710	50.475	ug/l	99
68) m/p-Xylenes	11.70	106	586973	99.819	ug/l	99
69) o-Xylene	12.03	106	281996	50.975	ug/l	98
70) Styrene	12.04	104	460009	48.903	ug/l	100
71) Bromoform	12.20	173	70800	44.749	ug/l #	99
73) Isopropylbenzene	12.33	105	716242	55.171	ug/l	99
74) N-amyl acetate	12.14	43	38099	11.171	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	124092	48.521	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	84733m	40.970	ug/l	
77) Bromobenzene	12.61	156	158920	54.430	ug/l	95
78) n-propylbenzene	12.67	91	827057	52.283	ug/l	100
79) 2-Chlorotoluene	12.75	91	459932	52.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	566814	53.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	42649	43.982	ug/l	97
82) 4-Chlorotoluene	12.85	91	459141	50.602	ug/l	98
83) tert-Butylbenzene	13.07	119	489875	54.841	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	562686	52.620	ug/l	99
85) sec-Butylbenzene	13.25	105	646996	49.131	ug/l	100
86) p-Isopropyltoluene	13.37	119	547547	48.052	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	279040	49.761	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	276504	48.880	ug/l	99
89) n-Butylbenzene	13.69	91	494285	43.114	ug/l	99
90) Hexachloroethane	13.95	117	111656	52.010	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	251293	48.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	16716	39.067	ug/l	96

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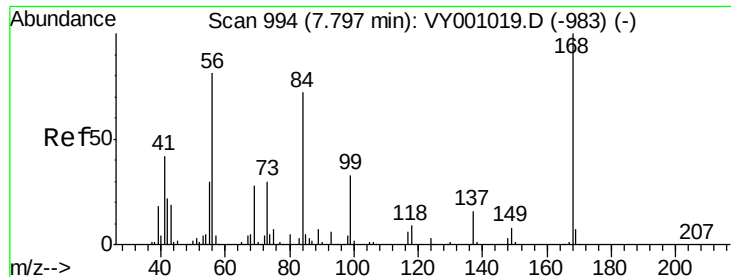
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	128000	36.661	ug/l	99
94) Hexachlorobutadiene	15.11	225	54980	33.091	ug/l	99
95) Naphthalene	15.23	128	311343	37.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	109712	35.235	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:168 Resp: 284621

Ion Ratio Lower Upper

168 100

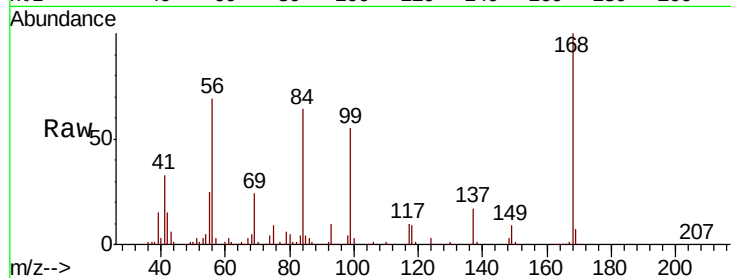
99 54.5 44.0 66.0

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

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

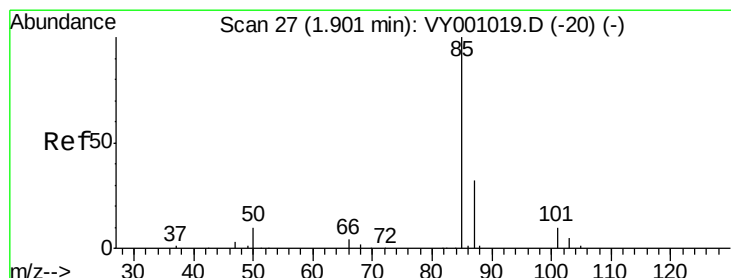
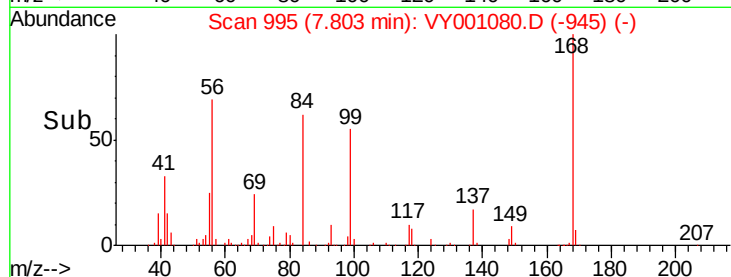
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 42.068 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001080.D

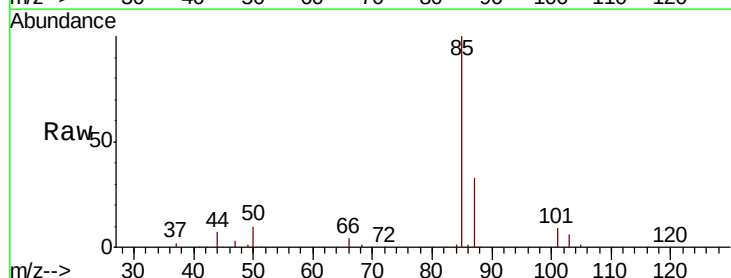
Acq: 26 Dec 2019 18:10

Tgt Ion: 85 Resp: 104333

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



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

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.91

60000

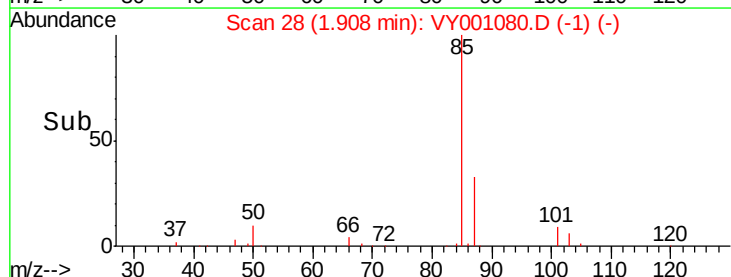
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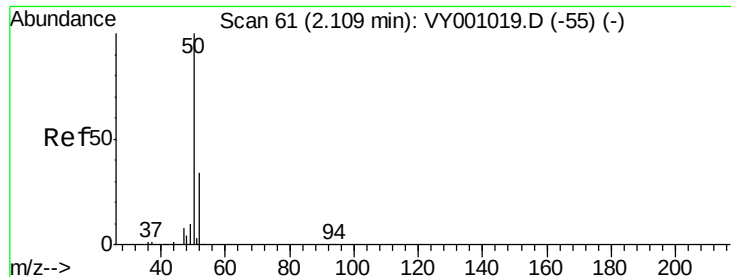
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 39.185 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 50 Resp: 132268

Ion Ratio Lower Upper

50 100

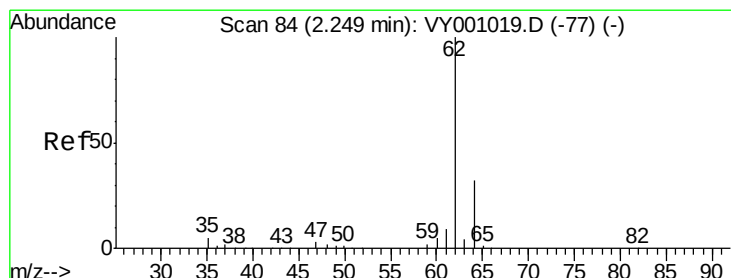
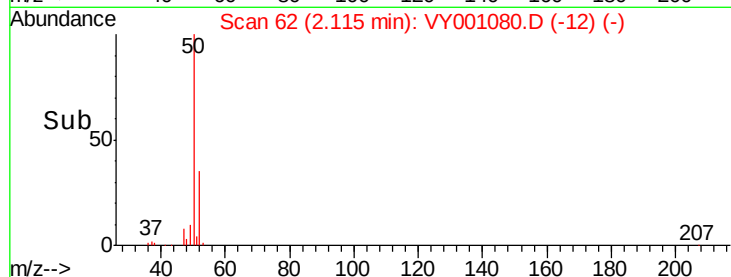
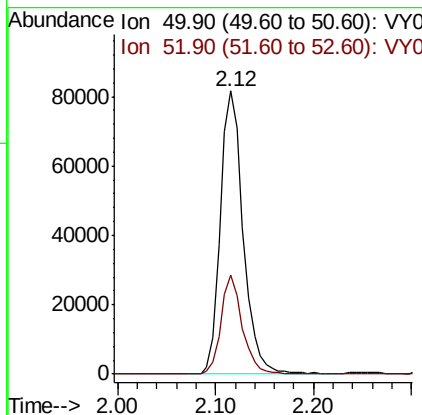
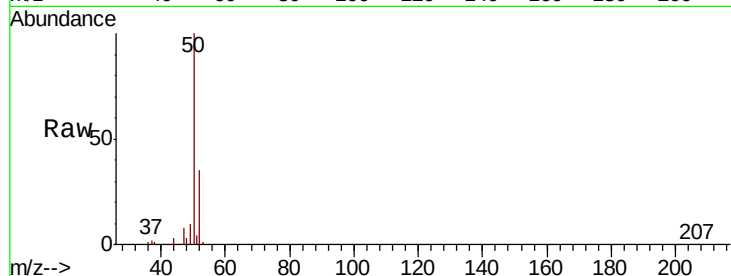
52 34.8 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.519 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001080.D

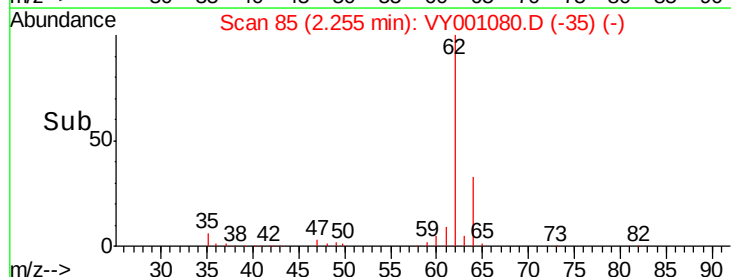
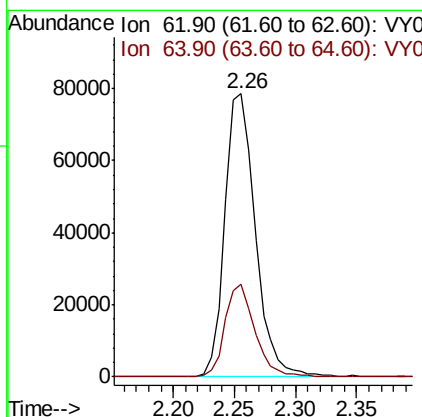
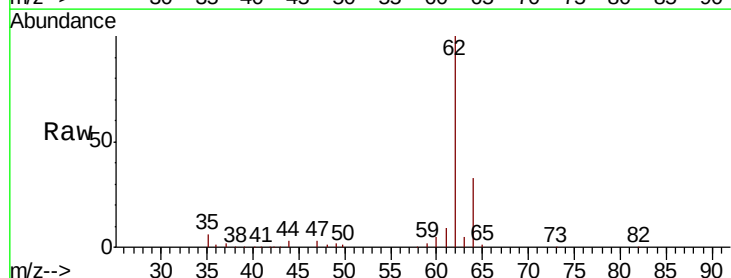
Acq: 26 Dec 2019 18:10

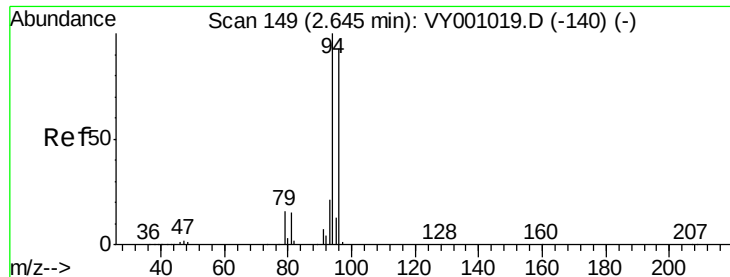
Tgt Ion: 62 Resp: 136100

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 42.213 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 94 Resp: 88334

Ion Ratio Lower Upper

94 100

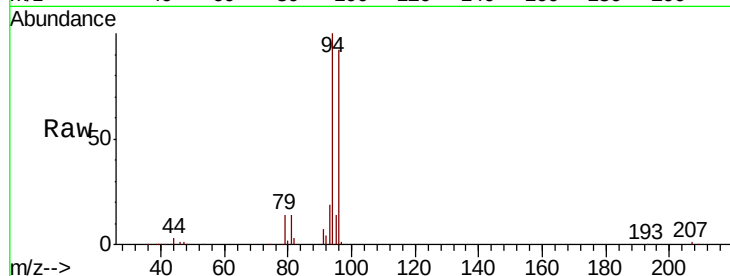
96 91.8 74.2 111.4

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

40000

30000

20000

10000

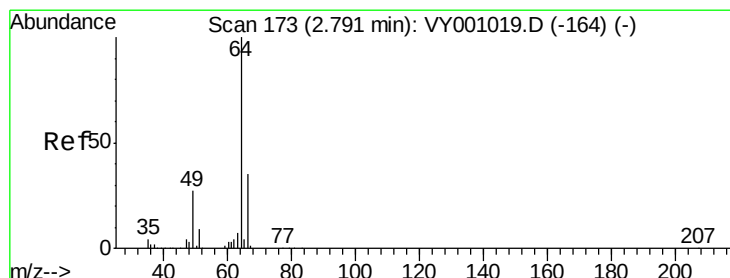
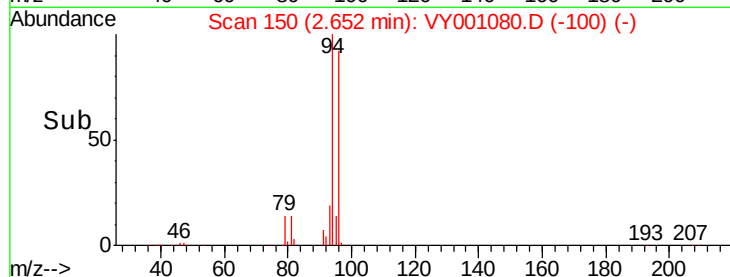
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Time-->

2.60

2.70

2.80



#6

Chloroethane

Concen: 45.233 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY001080.D

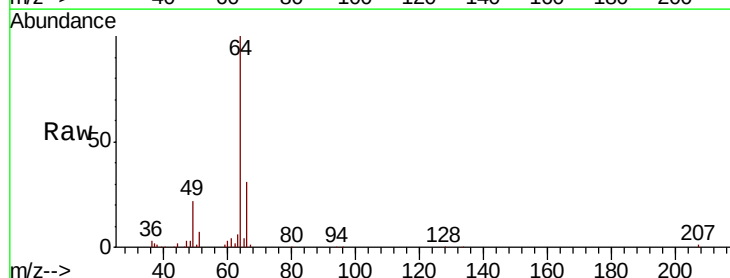
Acq: 26 Dec 2019 18:10

Tgt Ion: 64 Resp: 92351

Ion Ratio Lower Upper

64 100

66 31.1 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

50000

40000

30000

20000

10000

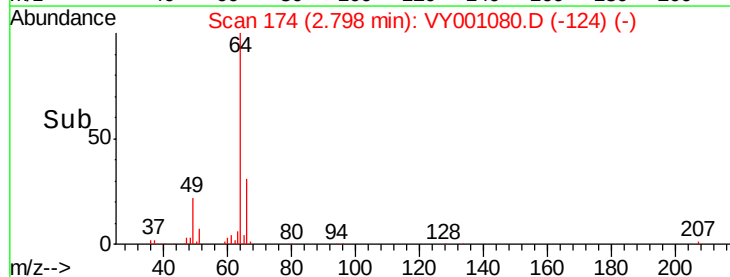
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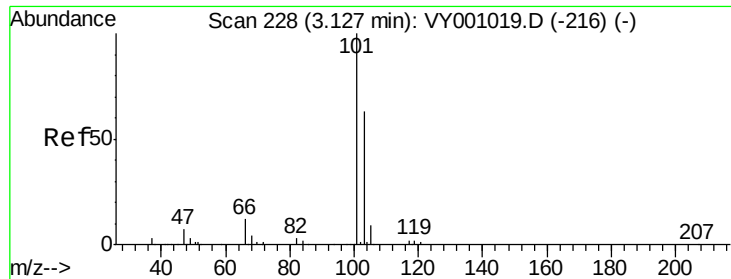
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2.70

2.80

2.90





#7

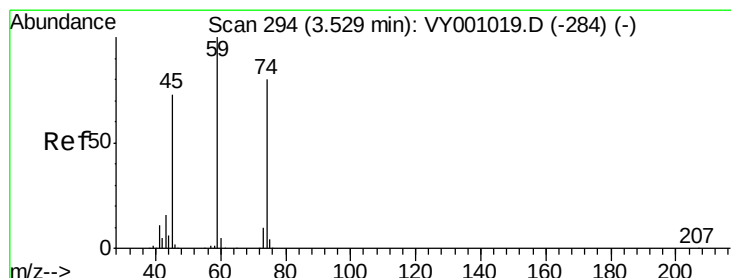
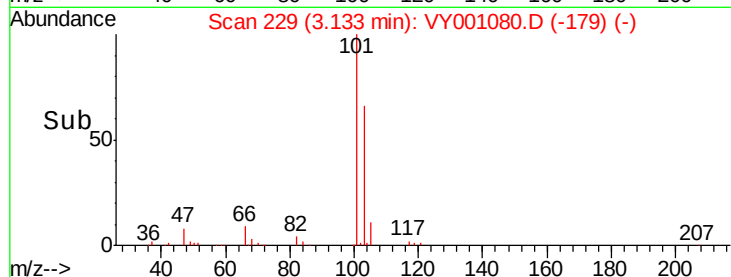
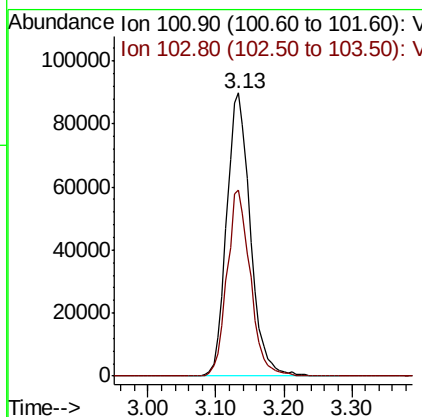
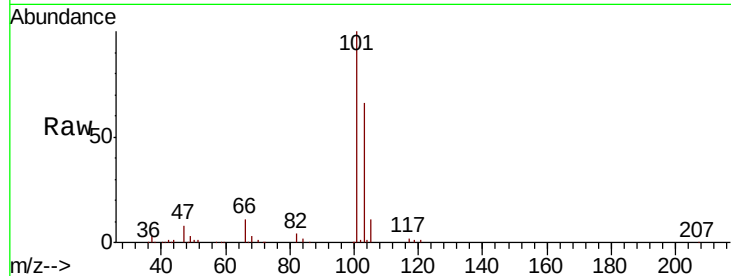
Trichlorofluoromethane
 Concen: 45.083 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	216760		
103	65.8	50.2	75.2	

Manual Integrations
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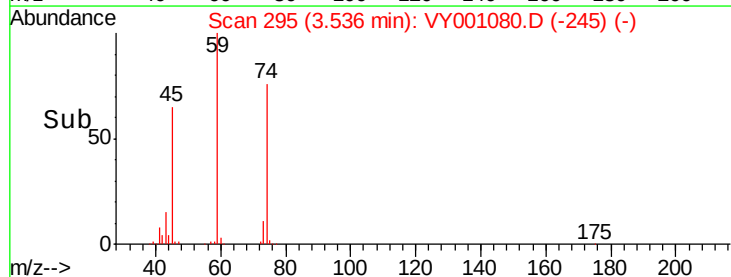
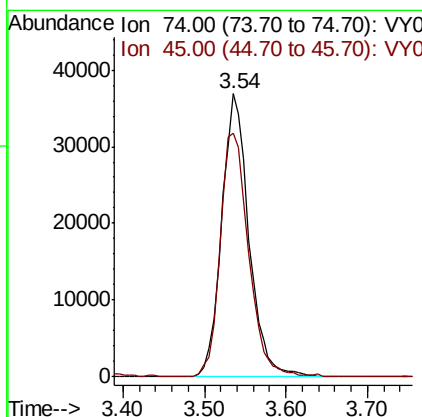
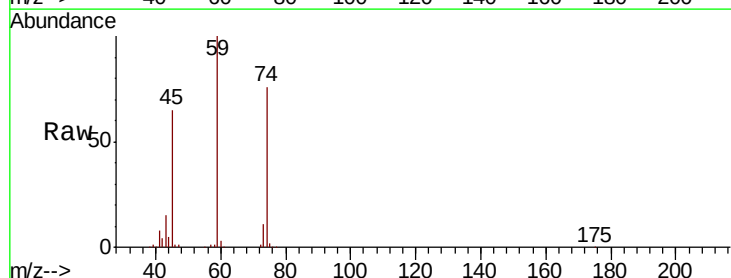
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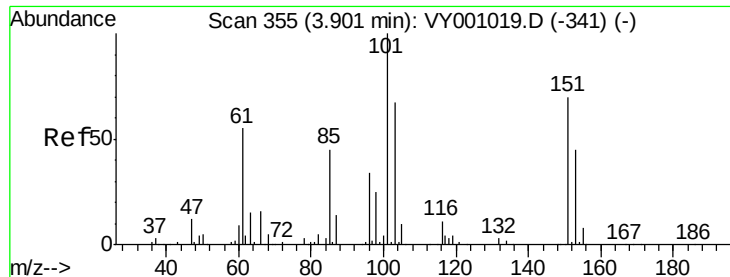


#8

Diethyl Ether
 Concen: 43.369 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85118		
45	90.2	46.4	139.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.613 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

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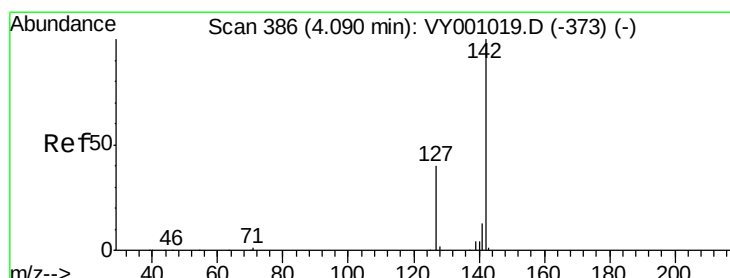
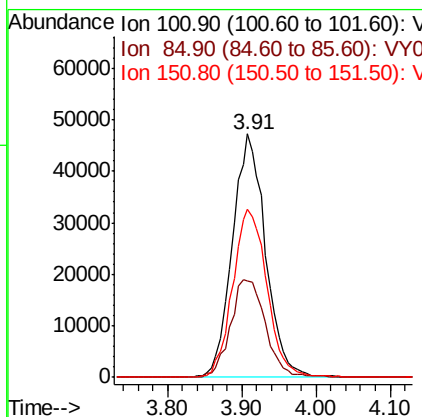
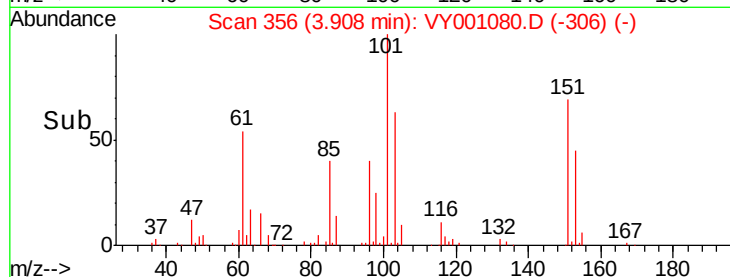
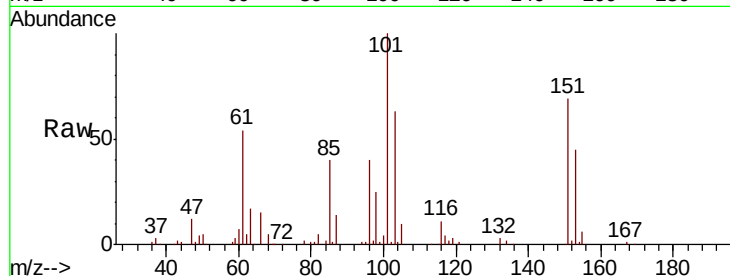
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	101	Resp:	147217
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	71.4	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.252 ug/l

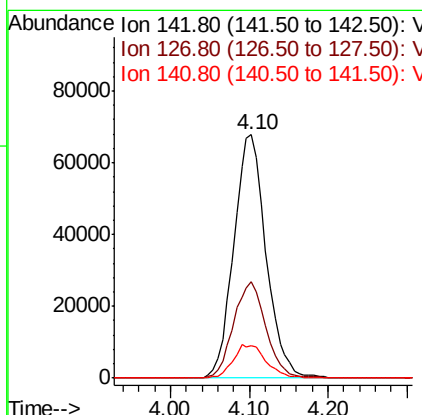
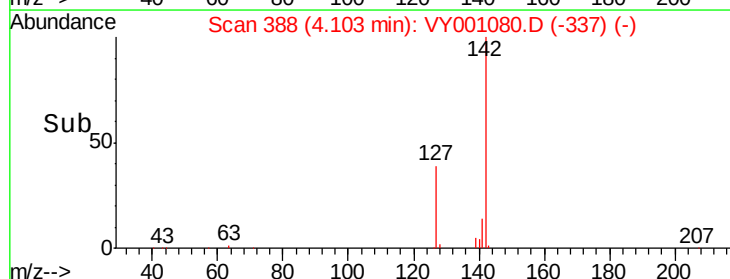
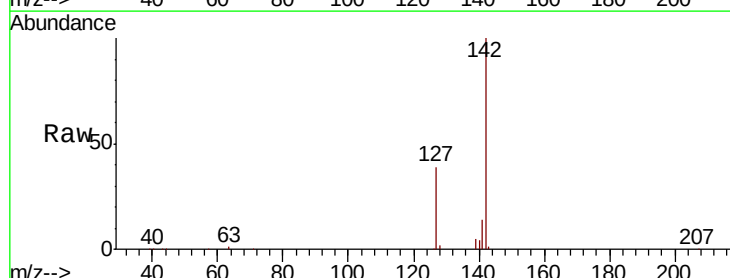
RT: 4.10 min Scan# 388

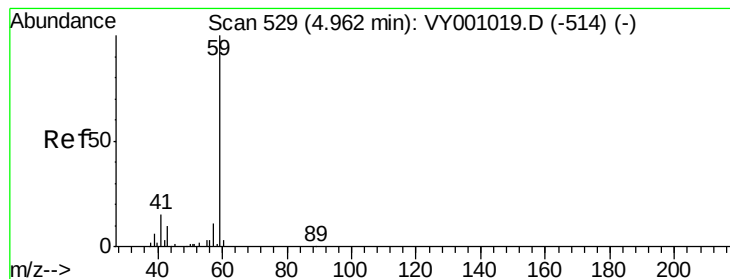
Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	142	Resp:	193098
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.2	46.8
141	14.0	11.0	16.4





#11

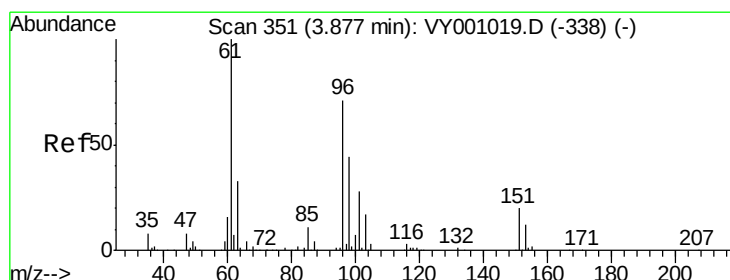
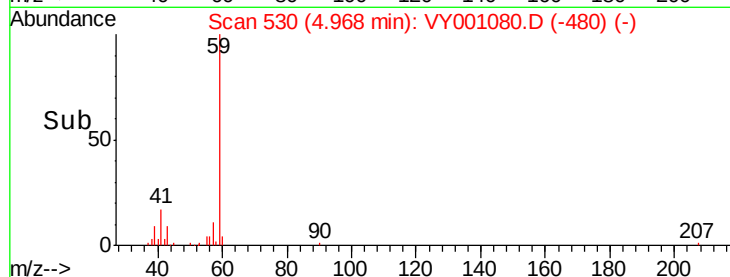
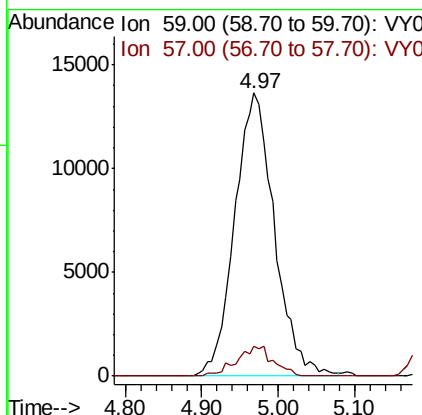
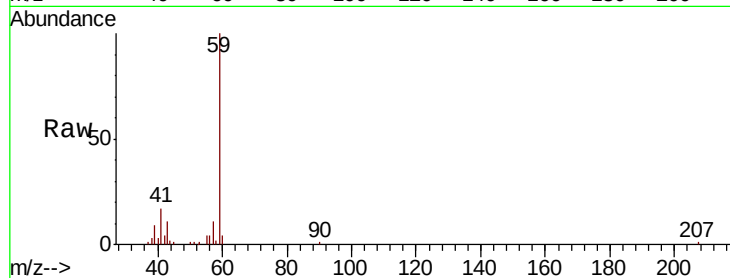
Tert butyl alcohol
Concen: 159.644 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	59	Resp	49275
Ion Ratio	100	Lower	Upper
57	9.6	7.8	11.6

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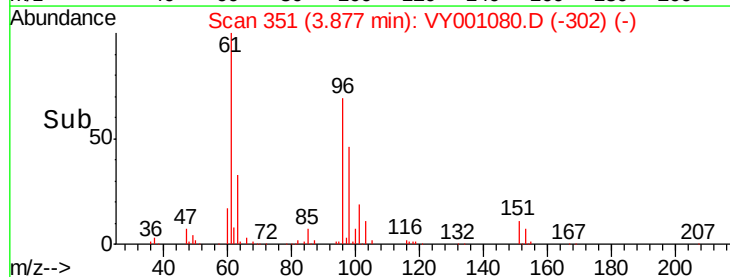
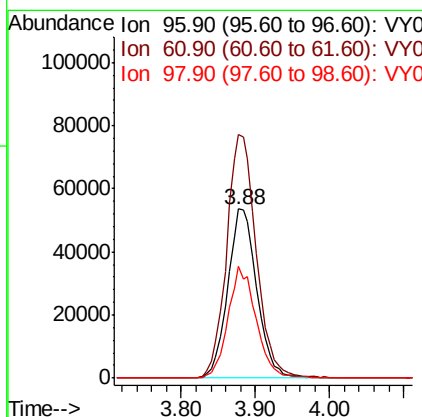
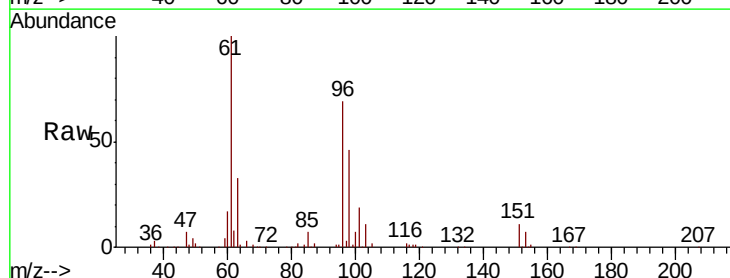
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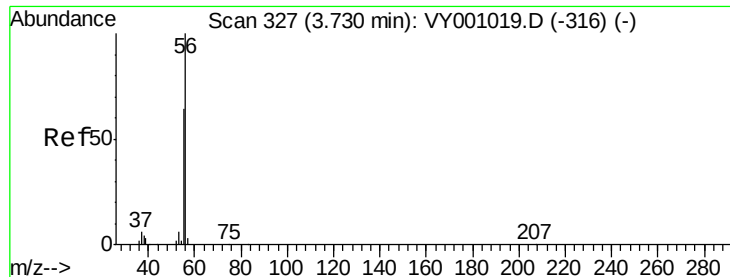


#12

1,1-Dichloroethene
Concen: 45.908 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	96	Resp	146791
Ion Ratio	100	Lower	Upper
61	144.2	113.0	169.4
98	66.5	49.8	74.8





#13

Acrolein

Concen: 38.271 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 56 Resp: 14636

Ion Ratio Lower Upper

56 100

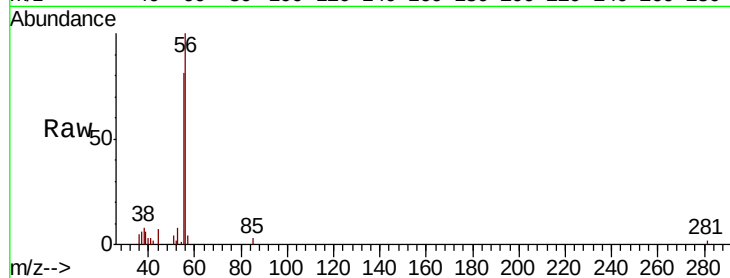
55 67.5 55.6 83.4

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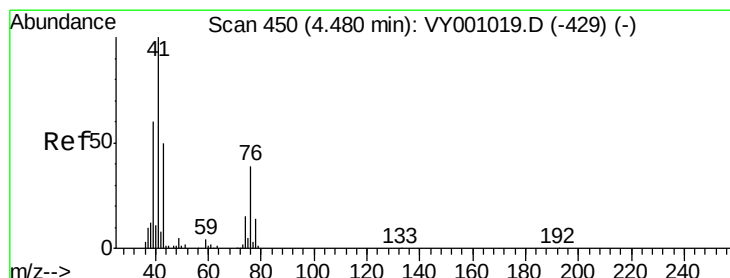
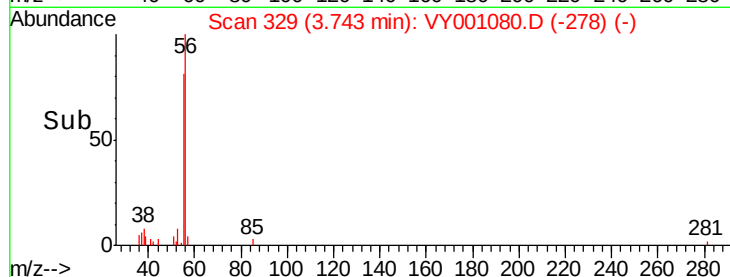
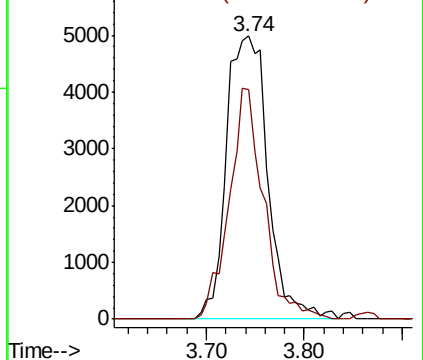
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 45.216 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

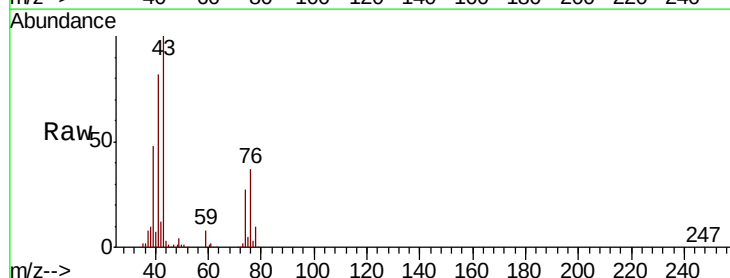
Tgt Ion: 41 Resp: 224599

Ion Ratio Lower Upper

41 100

39 58.2 46.0 69.0

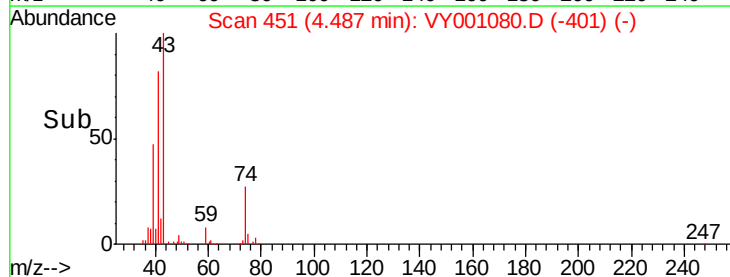
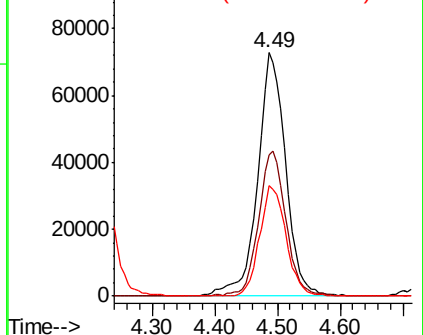
76 43.0 32.6 48.8

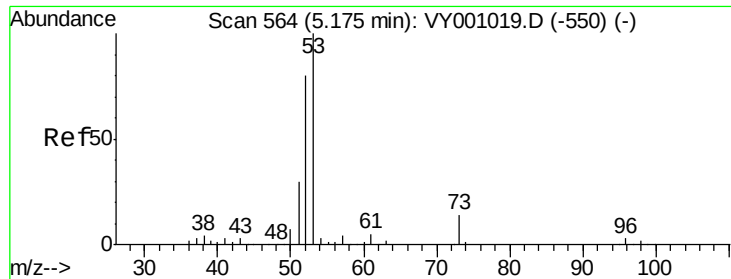


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





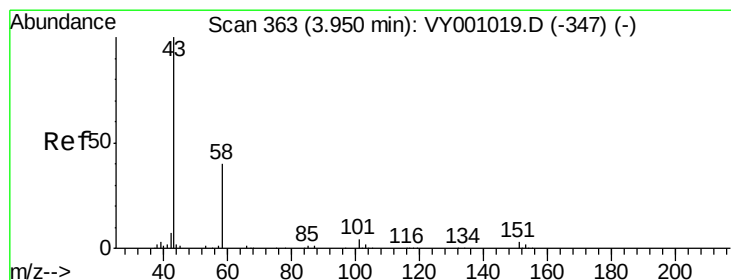
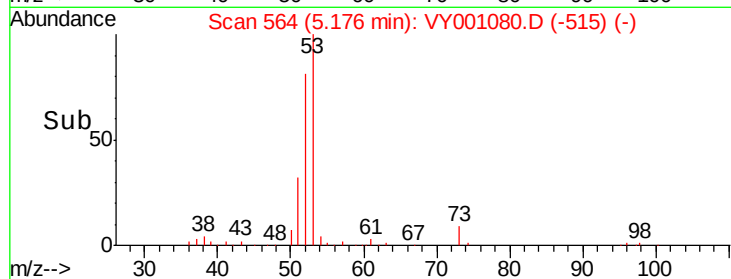
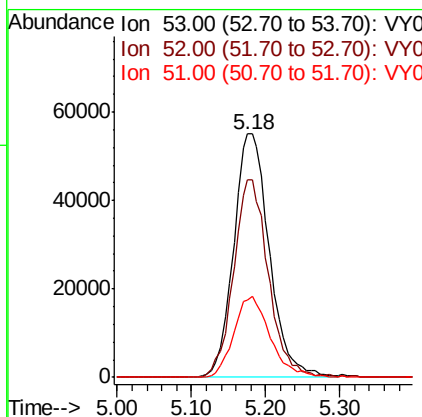
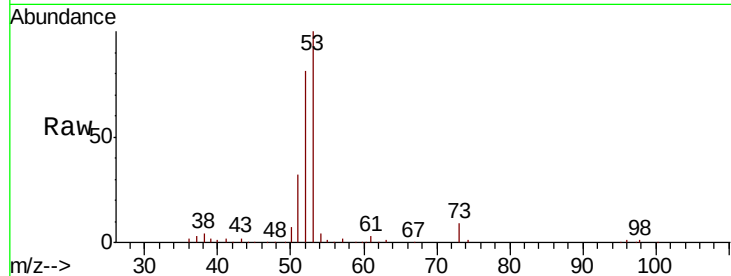
#15
 Acrylonitrile
 Concen: 188.644 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	78.8	63.6	95.4
51	33.9	26.7	40.1

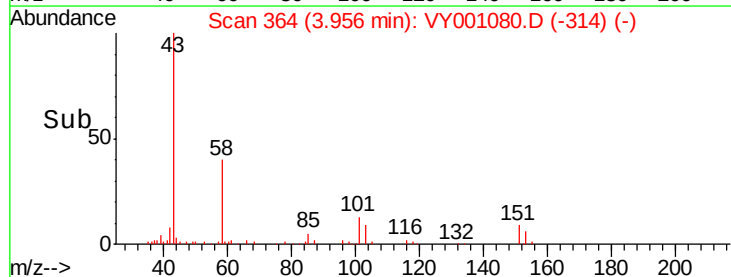
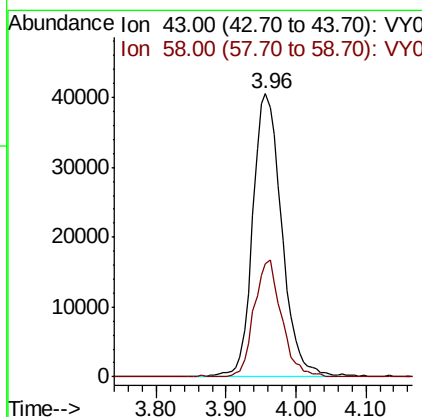
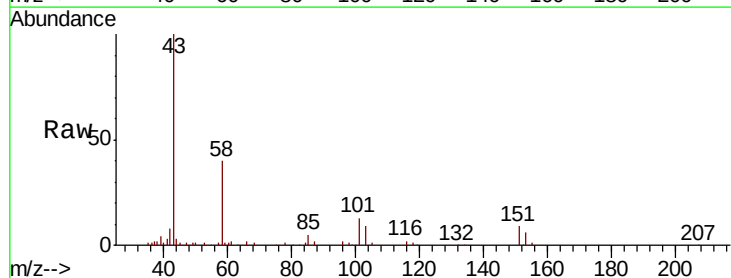
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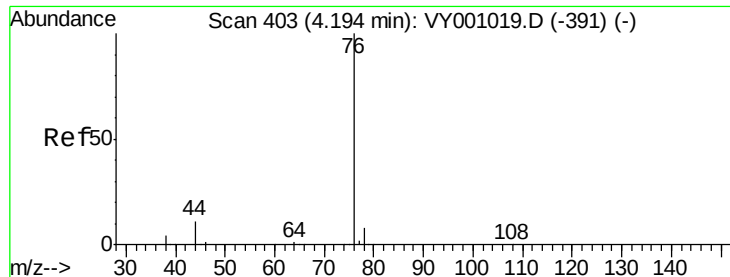
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#16
 Acetone
 Concen: 180.721 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	32.1	48.1





#17

Carbon Disulfide

Concen: 36.755 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 76 Resp: 384036

Ion Ratio Lower Upper

76 100

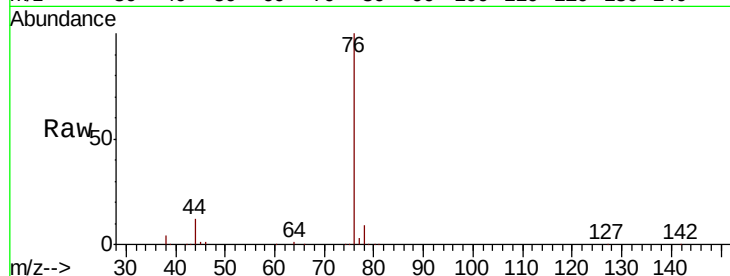
78 9.1 6.7 10.1

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

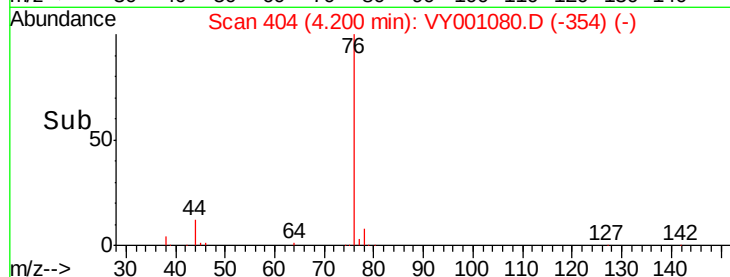
150000

100000

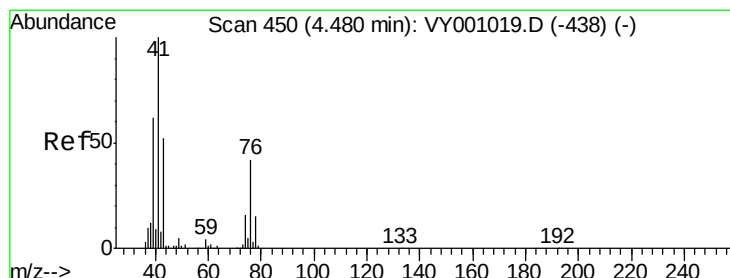
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 106.925 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001080.D

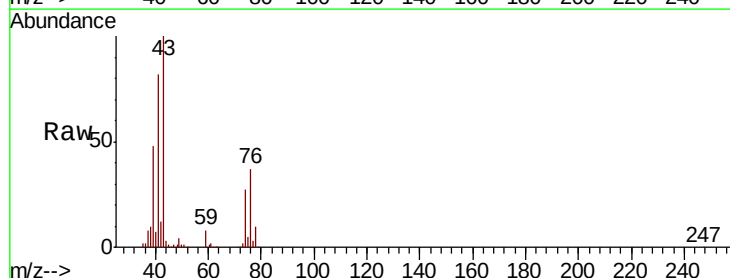
Acq: 26 Dec 2019 18:10

Tgt Ion: 43 Resp: 265290

Ion Ratio Lower Upper

43 100

74 26.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

100000

80000

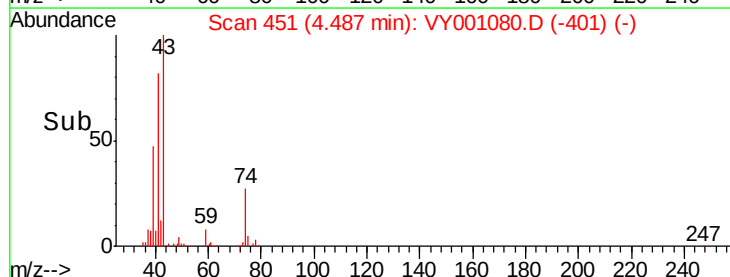
60000

40000

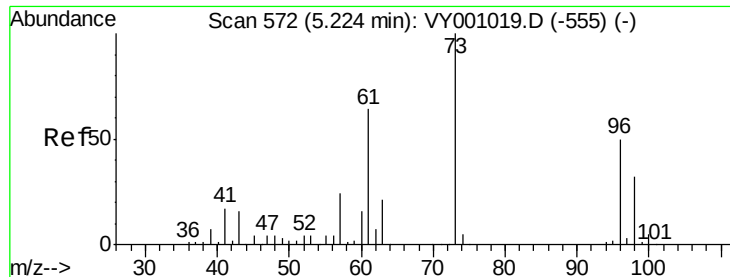
20000

0

Time-->



Time-->



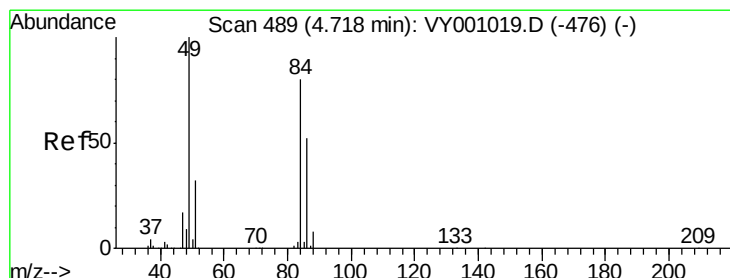
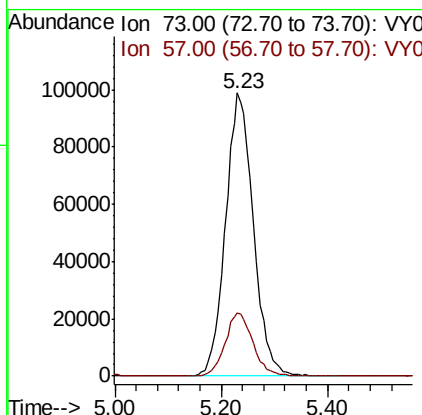
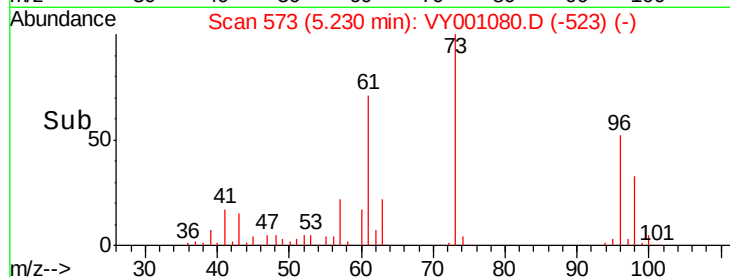
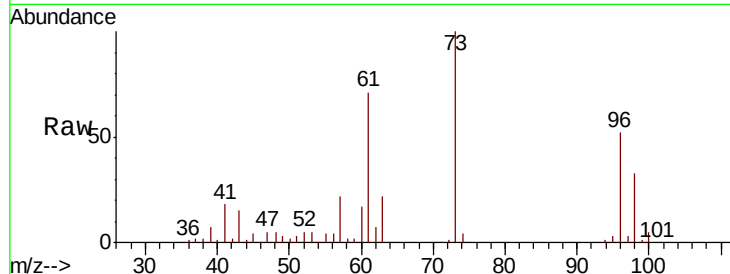
#19
Methyl tert-butyl Ether
Concen: 43.688 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion: 73 Resp: 360544
Ion Ratio Lower Upper
73 100
57 22.4 19.0 28.6

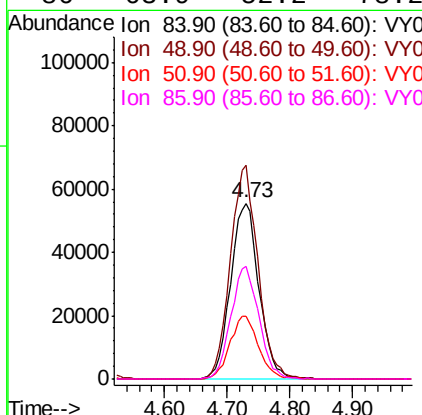
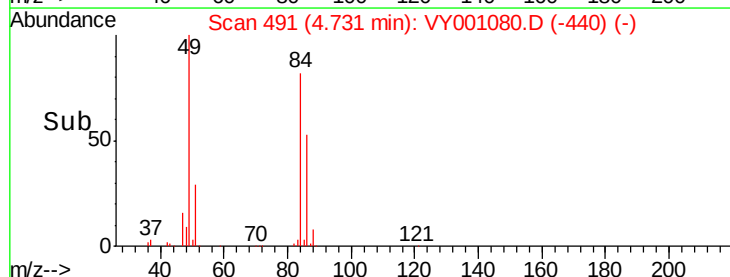
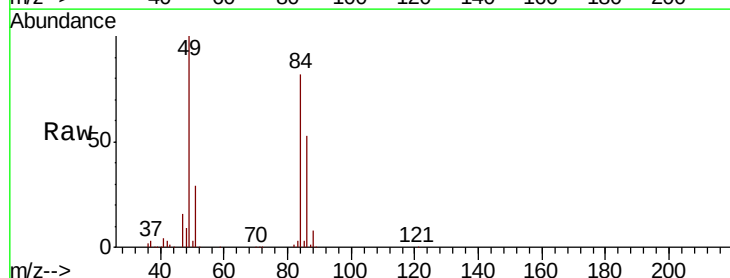
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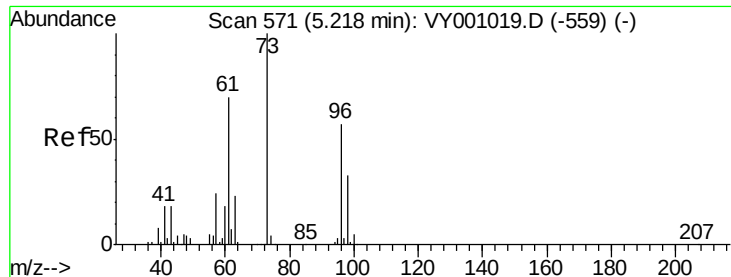
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#20
Methylene Chloride
Concen: 45.660 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion: 84 Resp: 173803
Ion Ratio Lower Upper
84 100
49 121.4 99.8 149.6
51 35.5 31.4 47.2
86 63.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.829 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.02 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

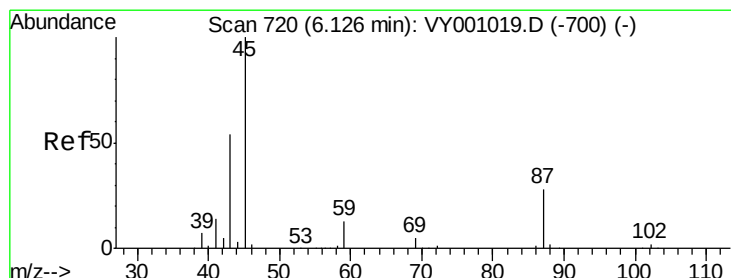
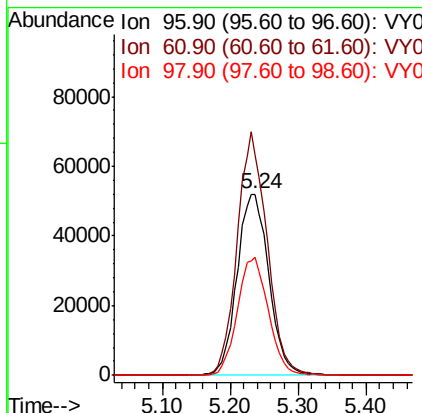
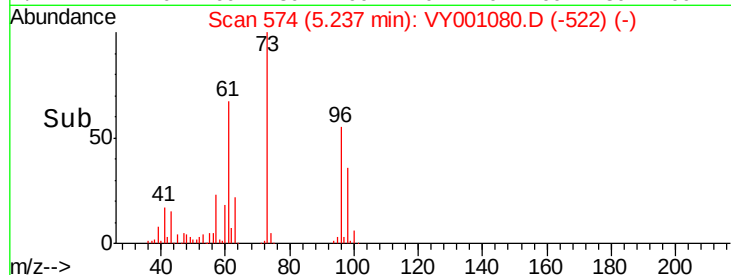
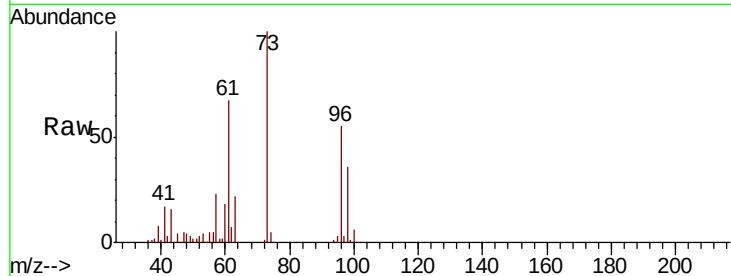
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	96	Resp:	169490
Ion	Ratio	Lower	Upper
96	100		
61	121.6	98.1	147.1
98	65.2	47.2	70.8

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#22

Diisopropyl ether

Concen: 47.811 ug/l

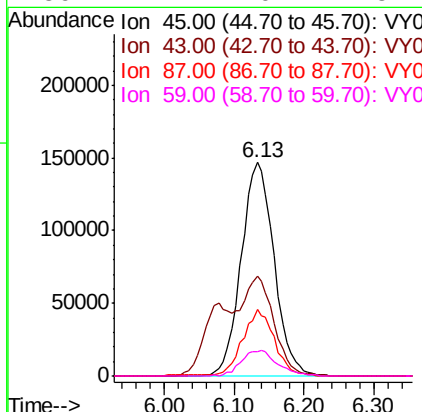
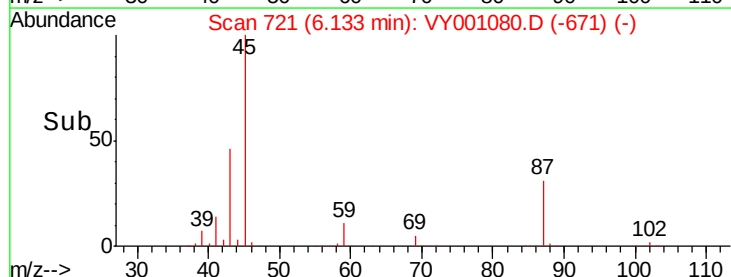
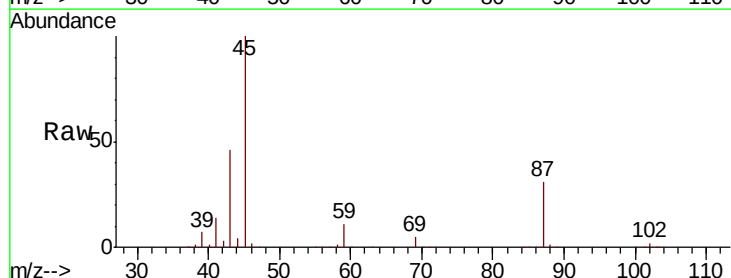
RT: 6.13 min Scan# 721

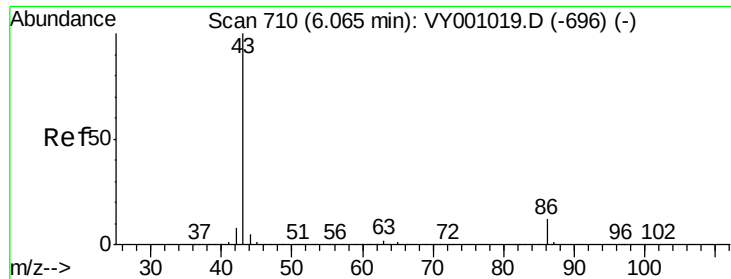
Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	45	Resp:	480031
Ion	Ratio	Lower	Upper
45	100		
43	46.3	43.6	65.4
87	30.9	23.1	34.7
59	11.1	10.2	15.4





#23

Vinyl Acetate

Concen: 20.693 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 43 Resp: 131212

Ion Ratio Lower Upper

43 100

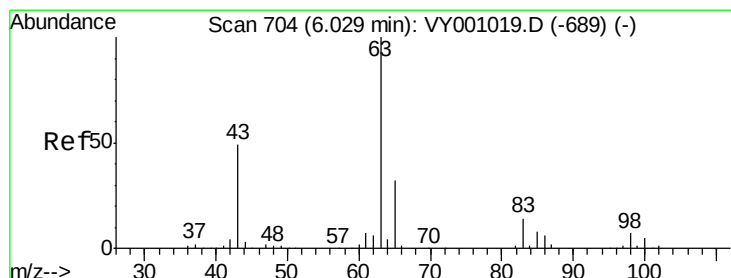
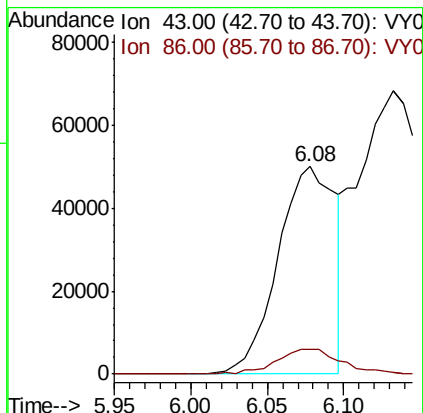
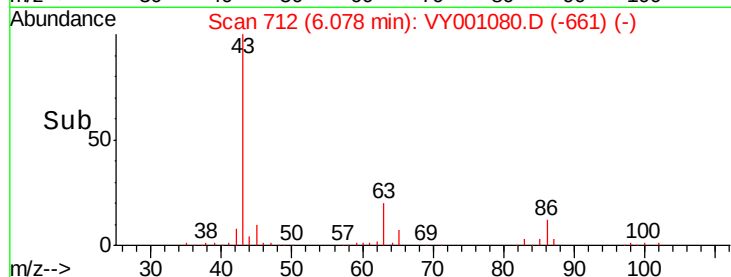
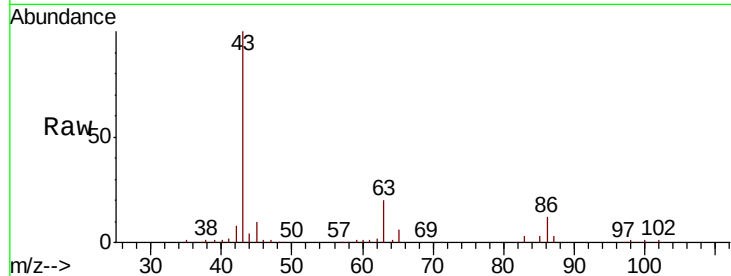
86 11.8 9.5 14.3

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#24

1,1-Dichloroethane

Concen: 48.332 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

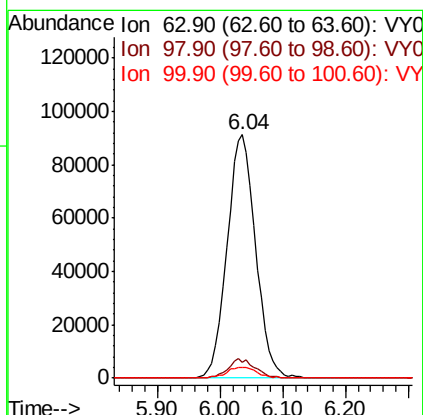
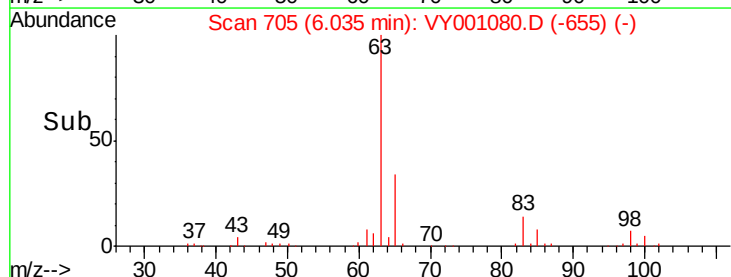
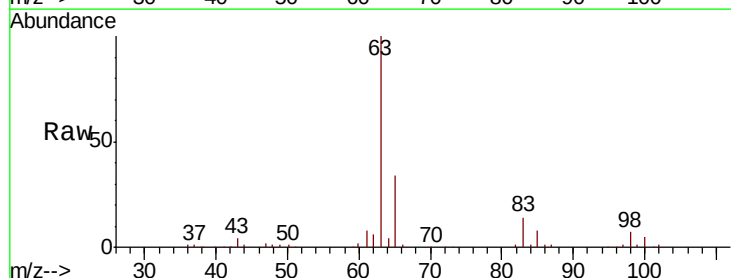
Tgt Ion: 63 Resp: 286765

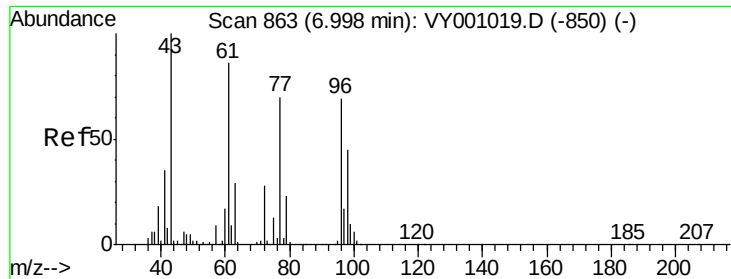
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 175.037 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 43 Resp: 198855

Ion Ratio Lower Upper

43 100

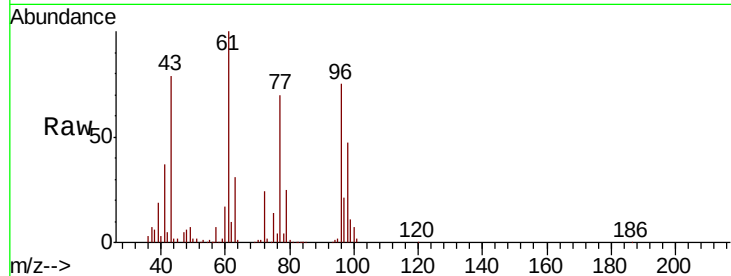
72 31.0 22.4 33.6

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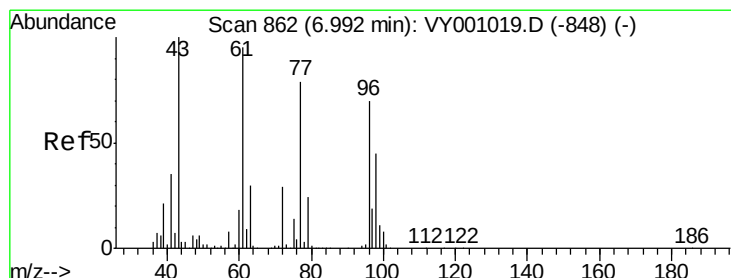
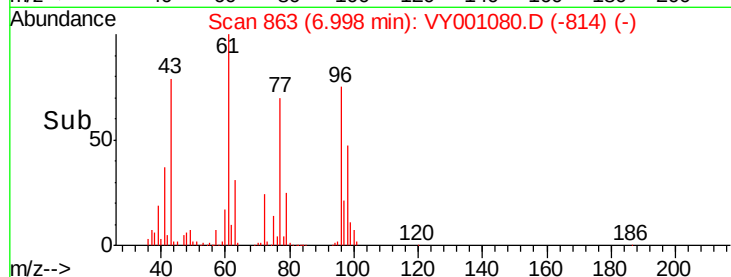
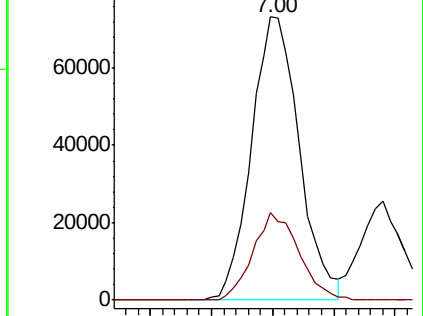
apatel

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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: 43.728 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001080.D

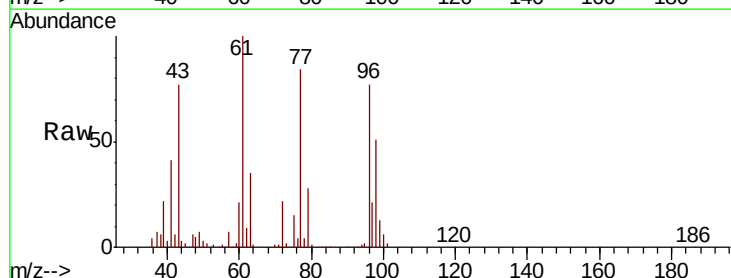
Acq: 26 Dec 2019 18:10

Tgt Ion: 77 Resp: 213160

Ion Ratio Lower Upper

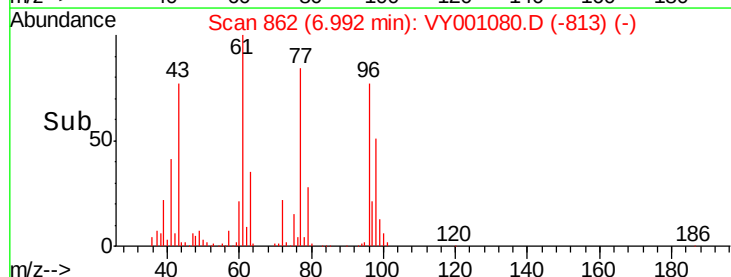
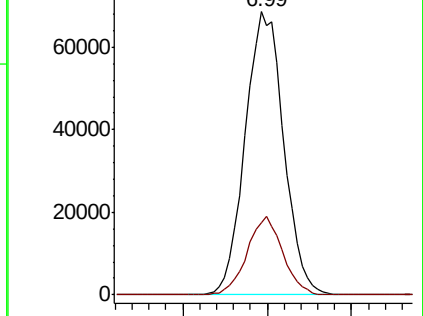
77 100

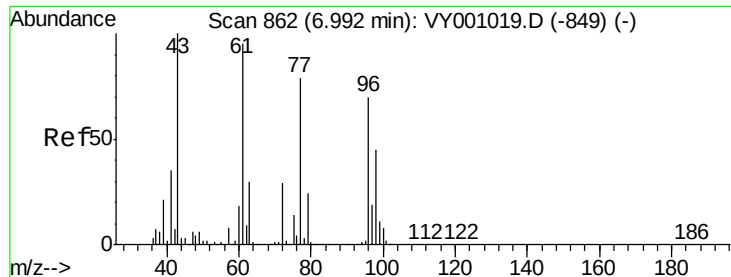
97 25.6 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

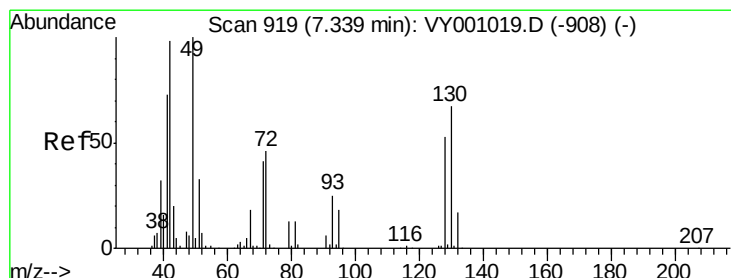
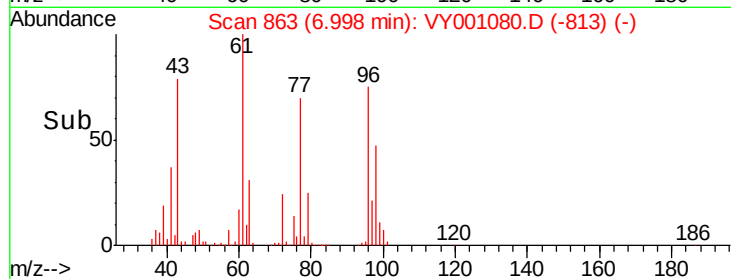
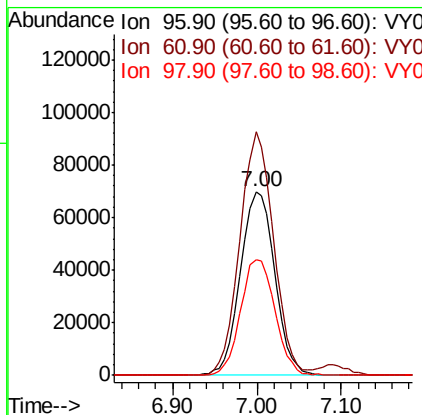
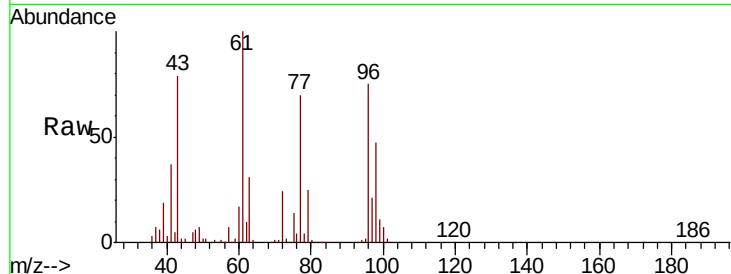
cis-1,2-Dichloroethene
Concen: 49.618 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193172		
61	130.2	0.0	268.2	
98	63.1	0.0	129.2	

Manual Integrations
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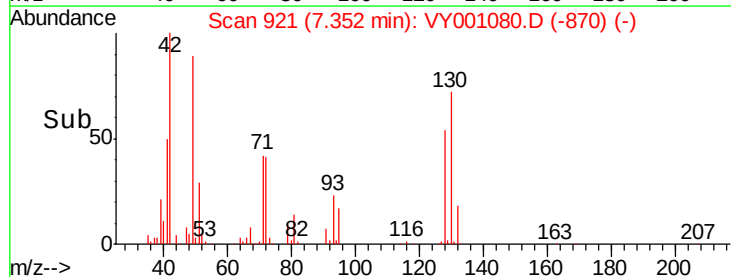
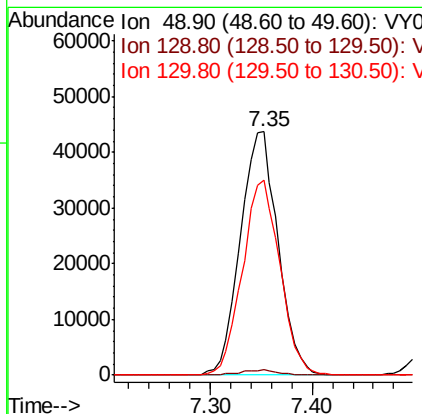
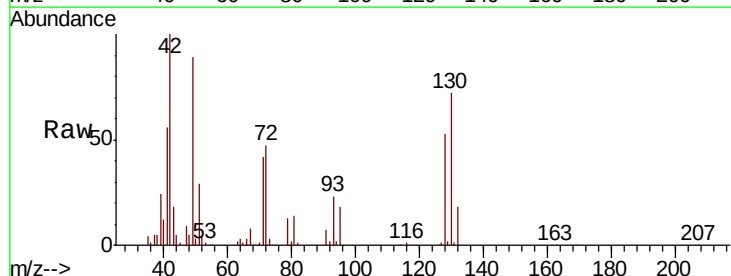
apatel
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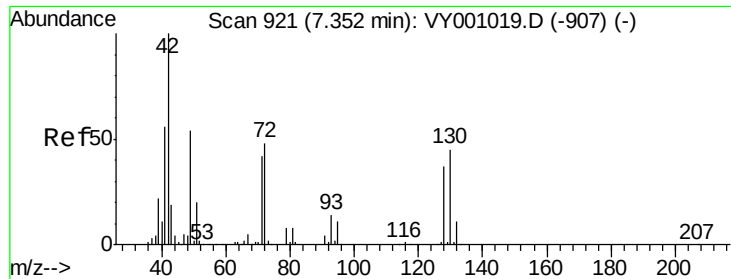


#28

Bromochloromethane
Concen: 48.422 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112099		
129	1.9	0.0	3.8	
130	79.9	60.4	90.6	





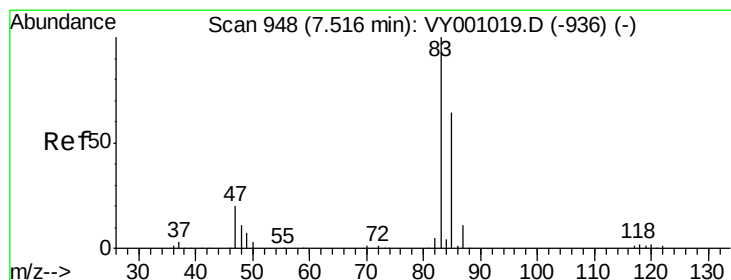
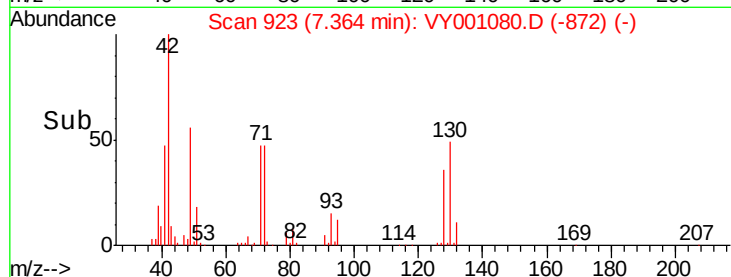
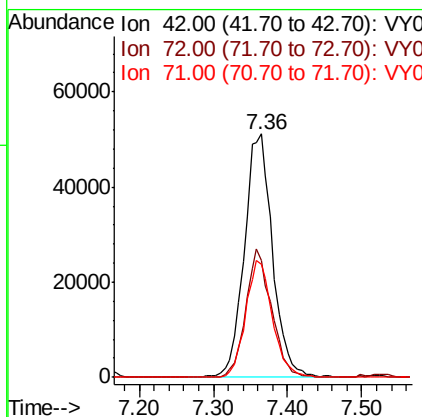
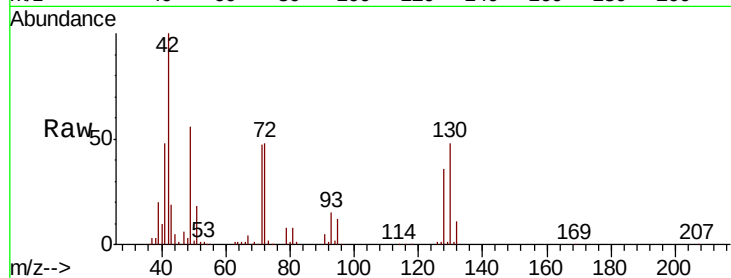
#29
Tetrahydrofuran
Concen: 168.251 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.7	56.5
71	45.6	34.6	51.8

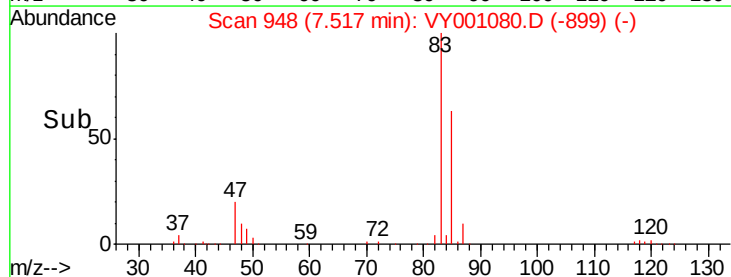
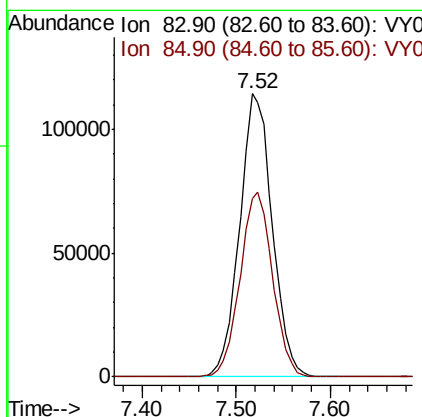
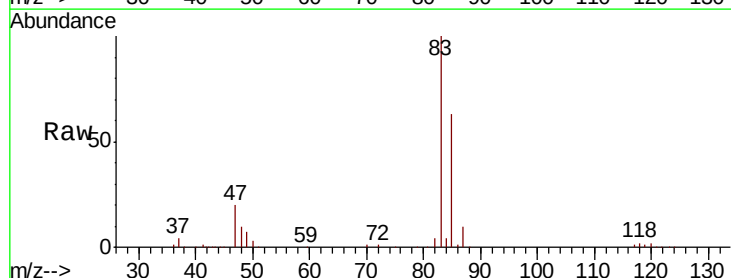
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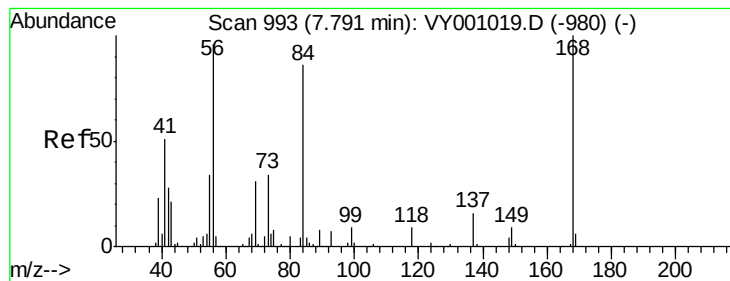
apatel
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#30
Chloroform
Concen: 49.371 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.6	77.4





#31

Cyclohexane

Concen: 39.548 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 56 Resp: 246745

Ion Ratio Lower Upper

56 100

69 34.7 26.1 39.1

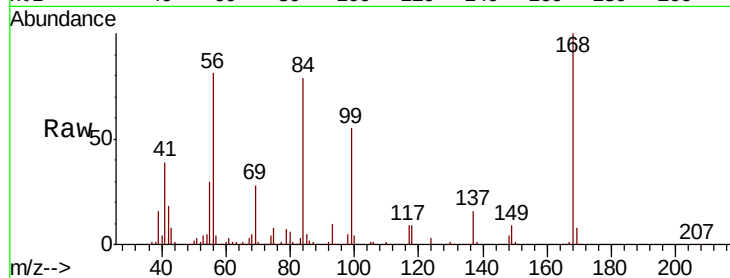
84 95.2 71.8 107.8

Manual Integrations

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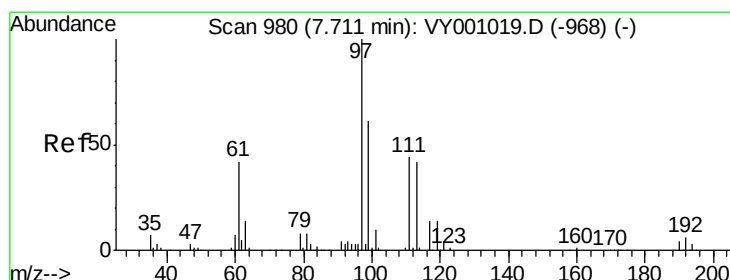
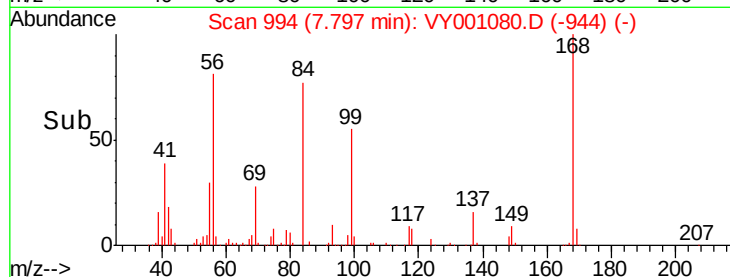
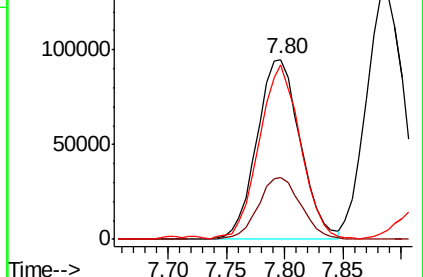
12/27/2019 11:05:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VY001080.D (-944) (-)

Ion 69.00 (68.70 to 69.70): VY001080.D (-944) (-)

Ion 84.00 (83.70 to 84.70): VY001080.D (-944) (-)



#32

1,1,1-Trichloroethane

Concen: 48.074 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

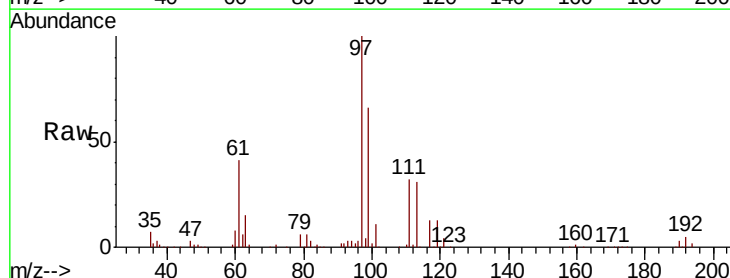
Tgt Ion: 97 Resp: 230077

Ion Ratio Lower Upper

97 100

99 64.2 50.6 76.0

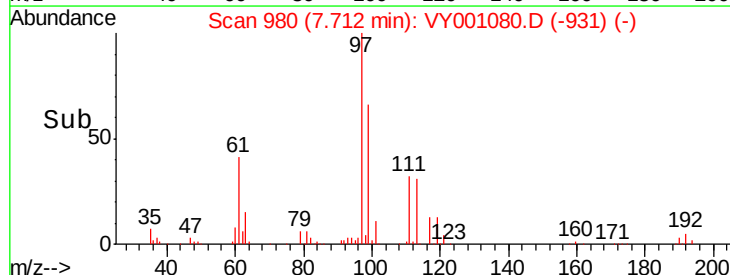
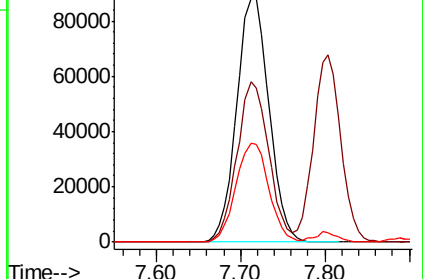
61 41.1 33.0 49.6

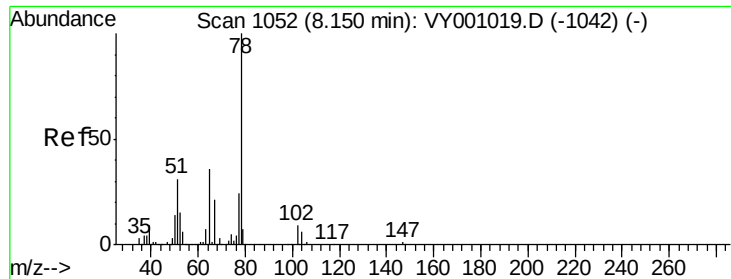


Abundance Ion 96.90 (96.60 to 97.60): VY001080.D (-931) (-)

Ion 98.90 (98.60 to 99.60): VY001080.D (-931) (-)

Ion 60.90 (60.60 to 61.60): VY001080.D (-931) (-)





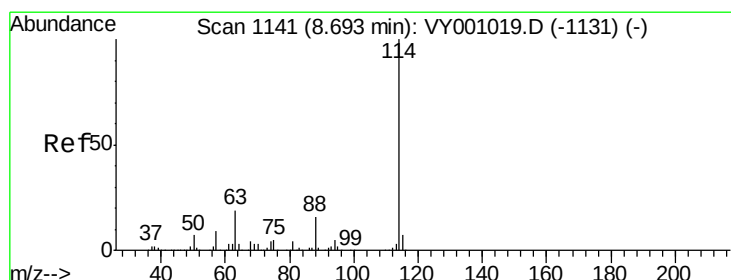
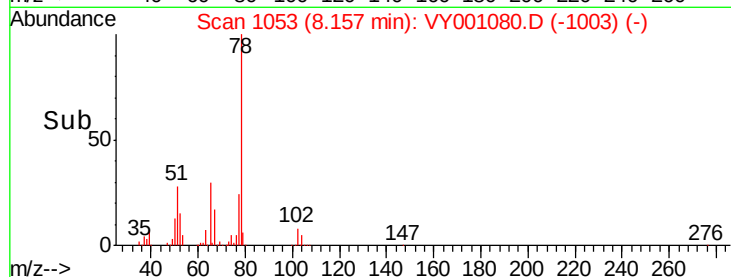
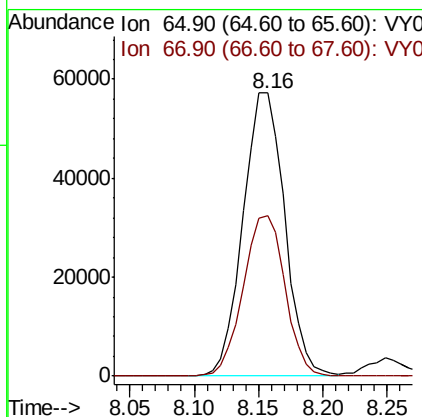
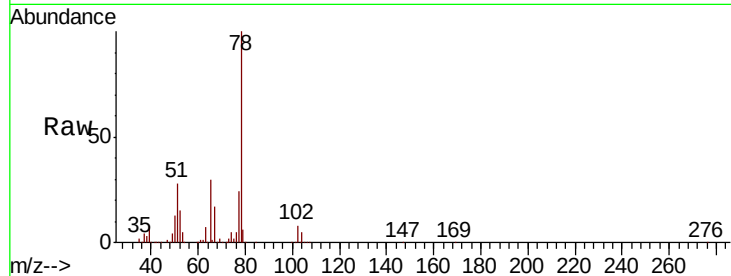
#33
 1,2-Dichloroethane-d4
 Concen: 45.697 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.7	0.0	112.8	

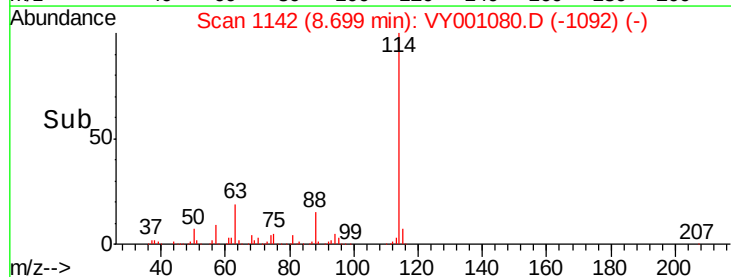
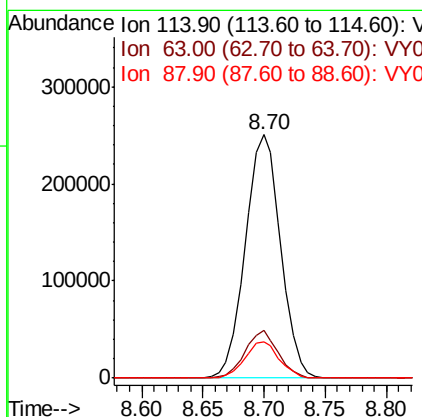
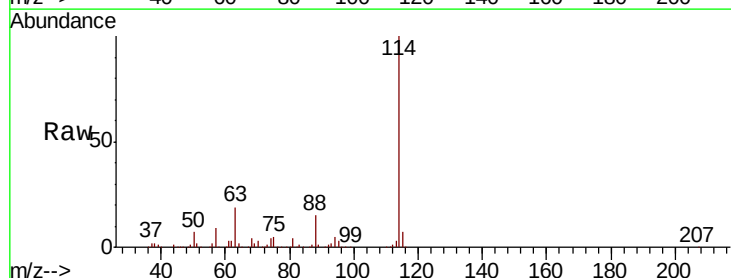
Manual Integrations
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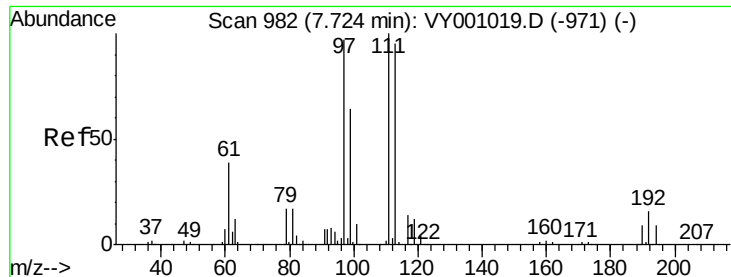
apatel
 12/27/2019 11:05:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	37.0	
88	14.9	0.0	32.0	





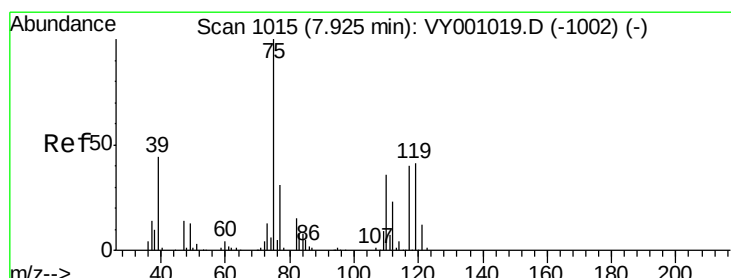
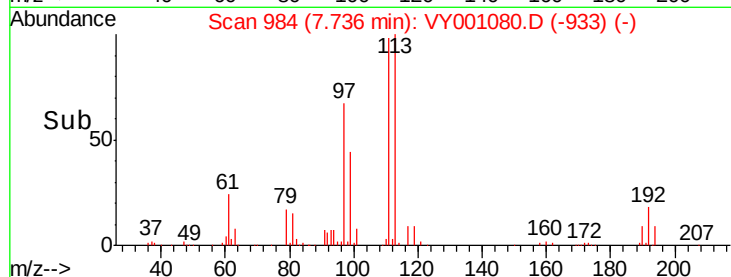
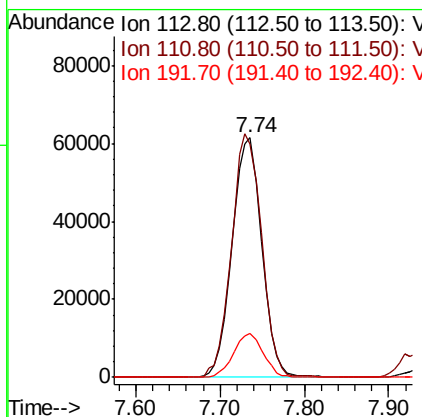
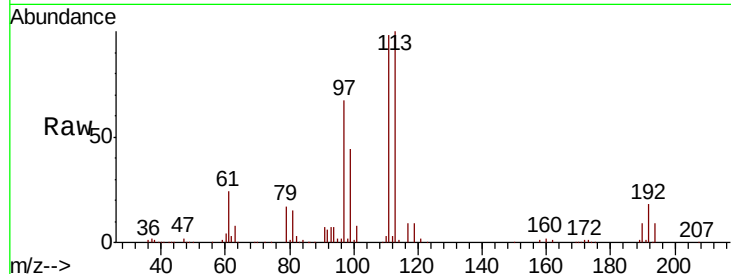
#35
 Dibromofluoromethane
 Concen: 49.657 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146342		
111	102.9	83.0	124.4	
192	18.2	14.6	21.8	

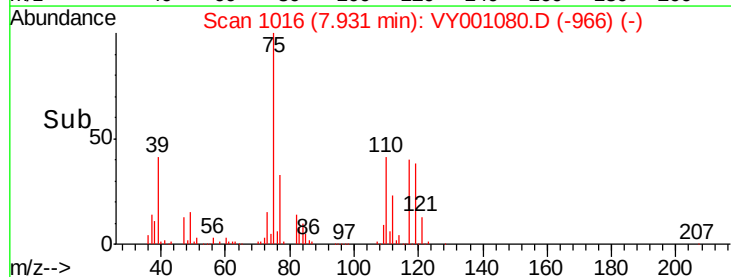
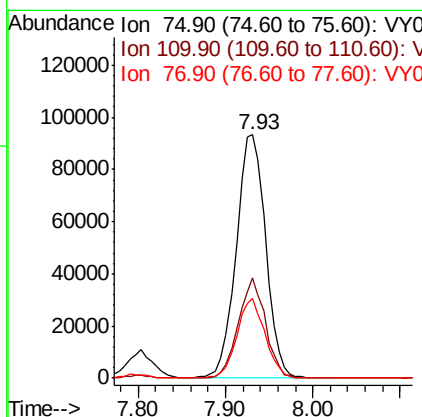
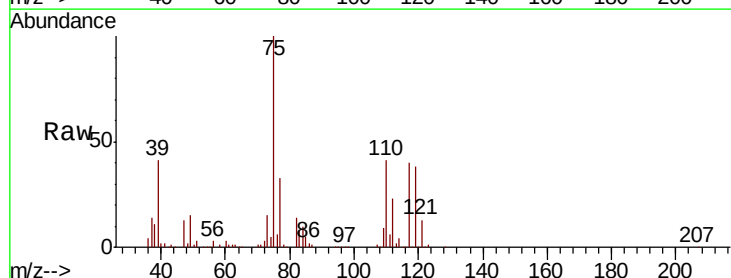
Manual Integrations
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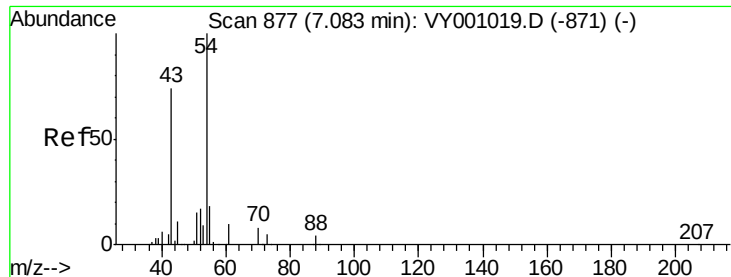
apatel
 12/27/2019 11:05:01 AM



#36
 1,1-Dichloropropene
 Concen: 45.770 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218529		
110	37.7	18.1	54.4	
77	31.4	24.6	37.0	





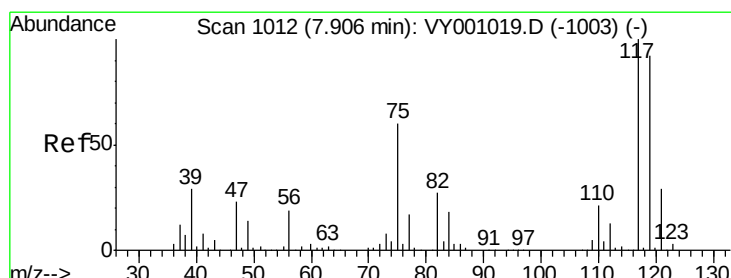
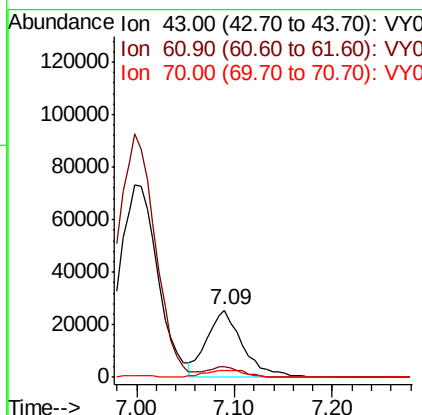
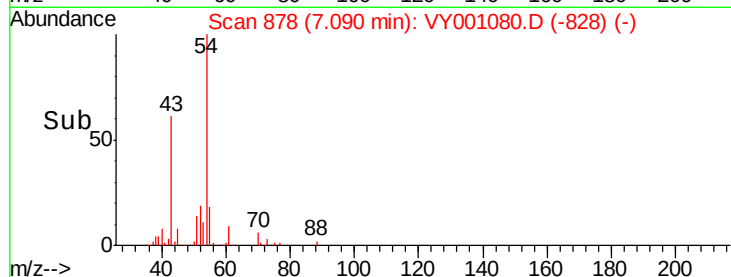
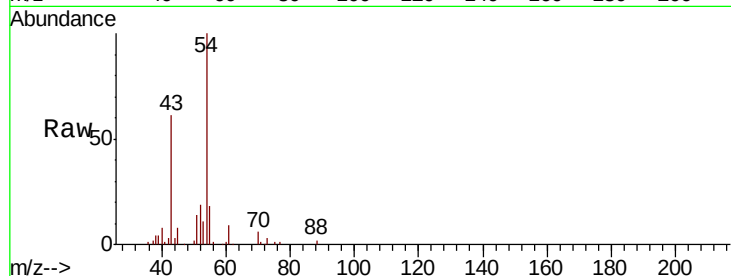
#37
Ethyl Acetate
Concen: 24.602 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.5	18.7
70	11.9	9.0	13.4

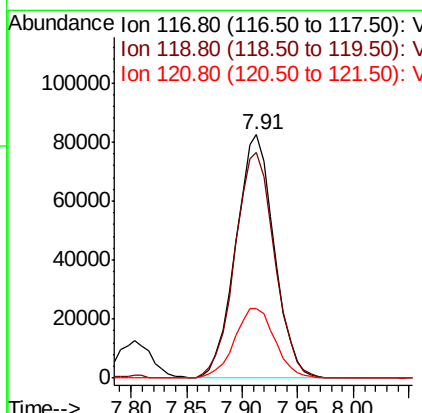
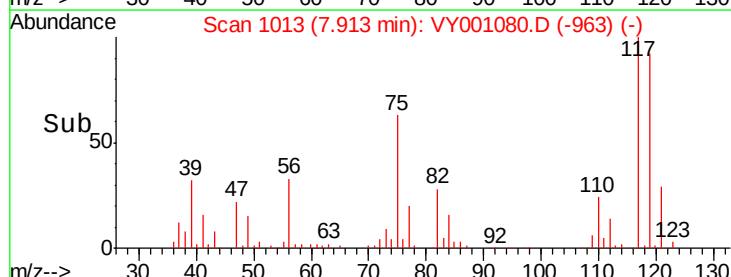
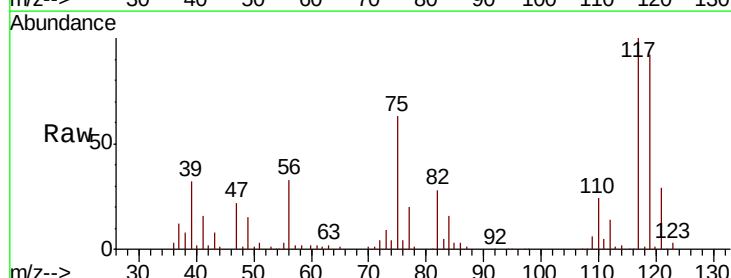
Manual Integrations
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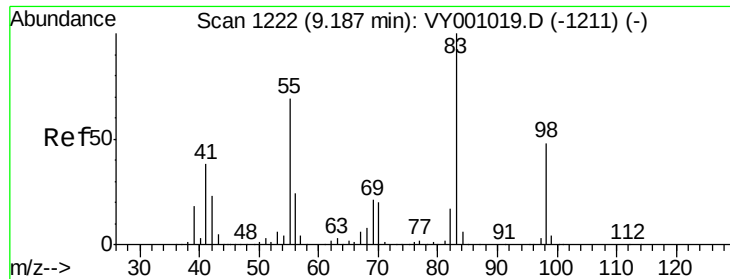
apatel
12/27/2019 11:05:01 AM



#38
Carbon Tetrachloride
Concen: 47.045 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	74.2	111.2
121	28.8	22.9	34.3





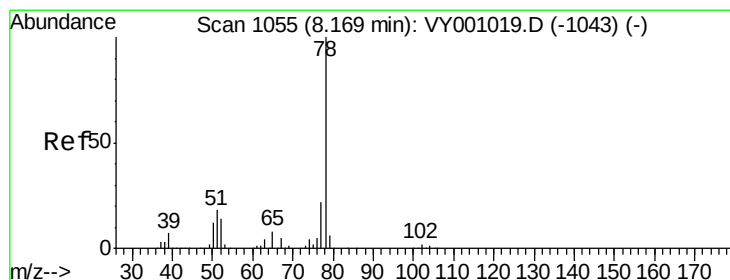
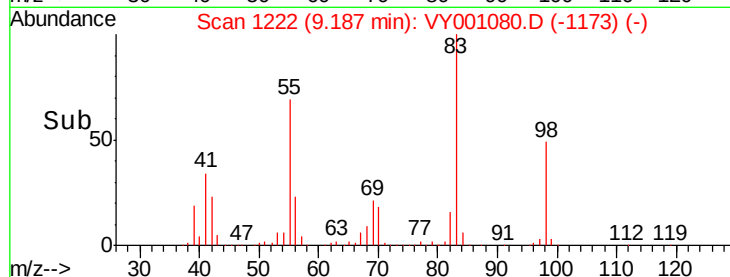
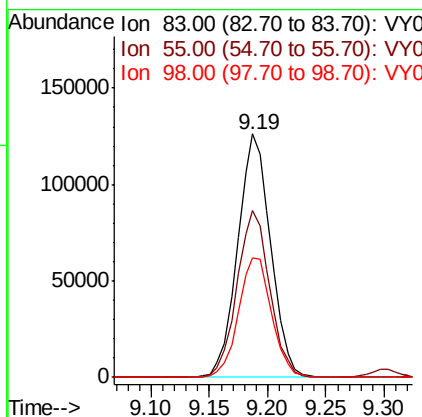
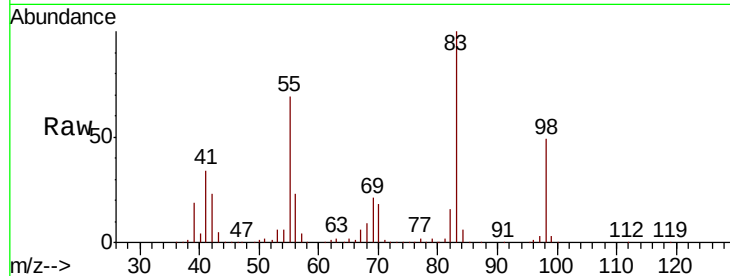
#39
Methylvlcyclohexane
Concen: 39.174 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	55.1	82.7
98	49.2	38.3	57.5

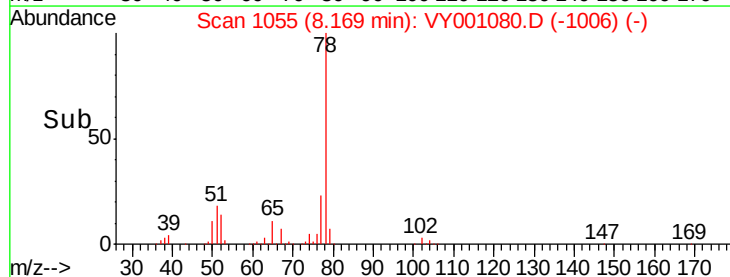
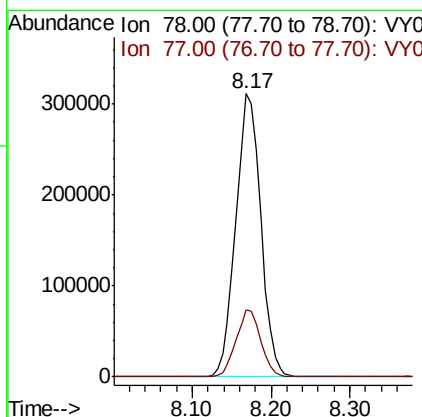
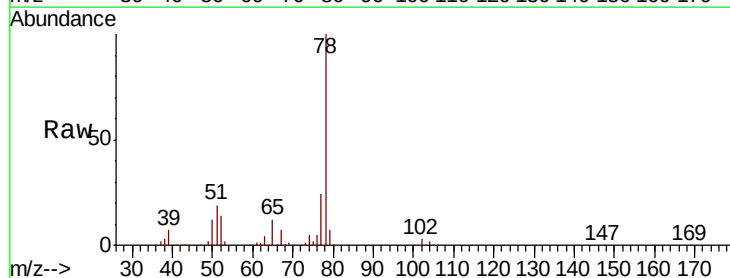
Manual Integrations
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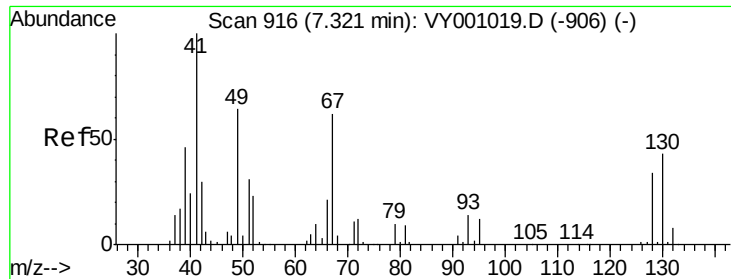
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#40
Benzene
Concen: 47.759 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.7	26.5





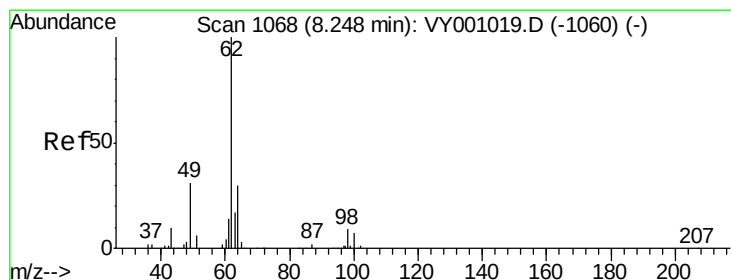
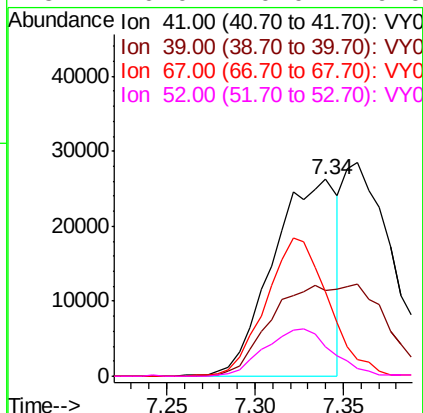
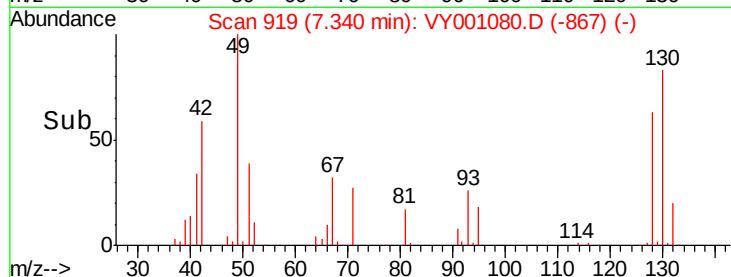
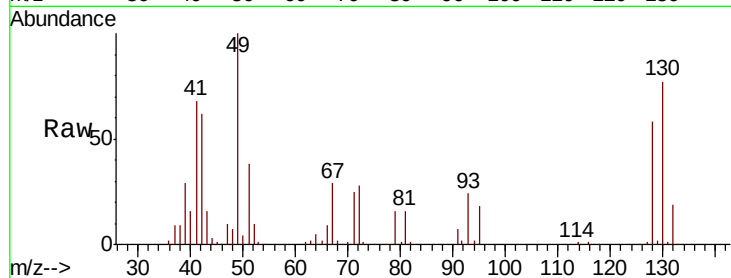
#41
Methacrylonitrile
Concen: 57.843 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.02 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot 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

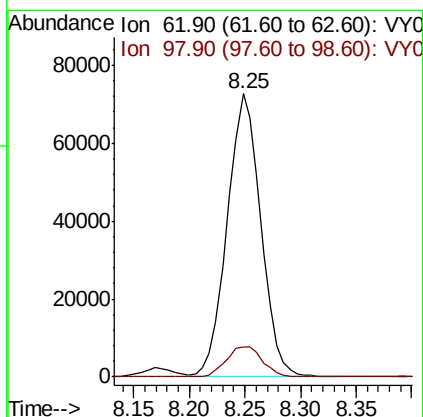
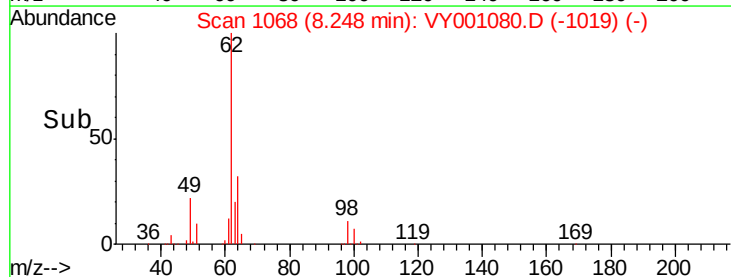
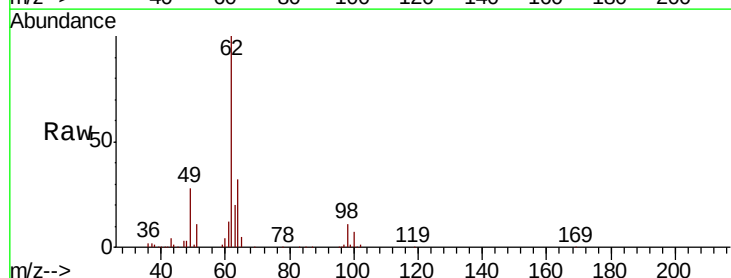
Manual Integrations
APPROVED

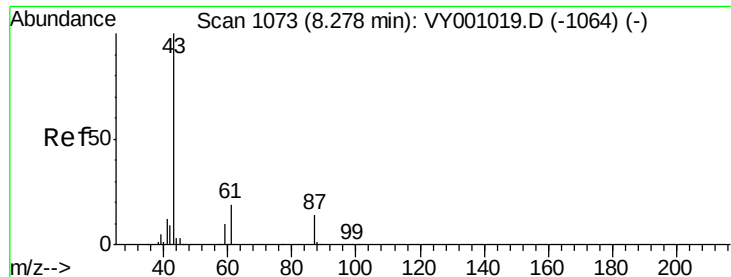
apatel
12/27/2019 11:05:01 AM



#42
1,2-Dichloroethane
Concen: 44.078 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	23.4





#43

Isopropyl Acetate

Concen: 28.995 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

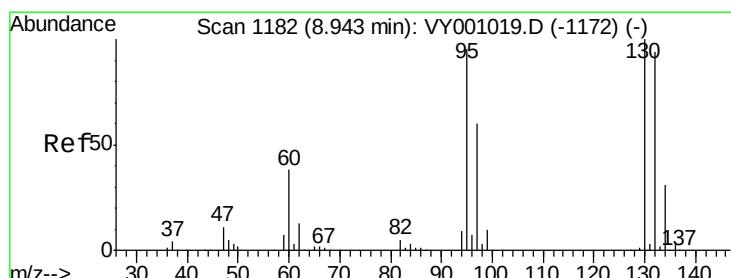
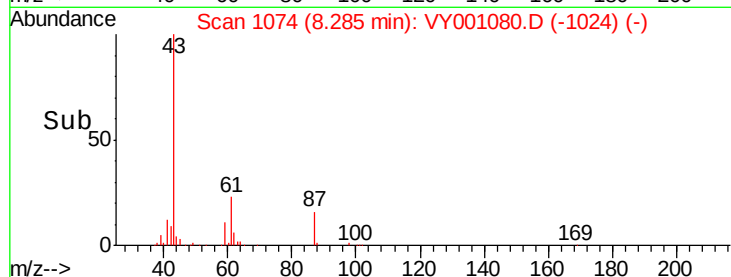
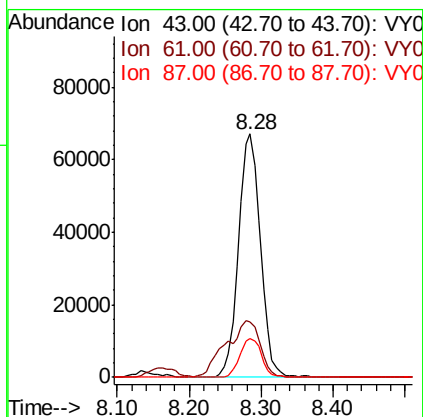
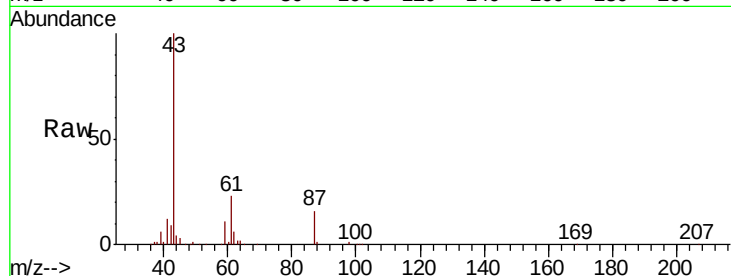
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	43	Resp:	141896
Ion	Ratio	Lower	Upper
43	100		
61	35.9	25.0	37.6
87	15.7	12.0	18.0

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#44

Trichloroethene

Concen: 47.605 ug/l

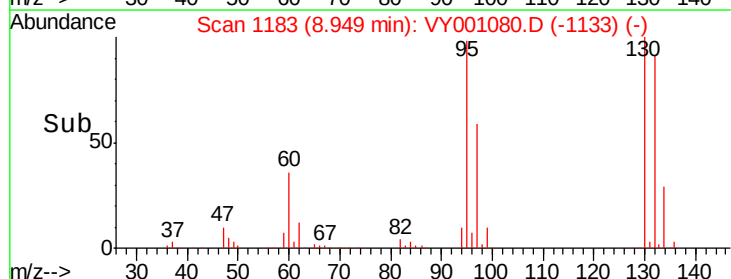
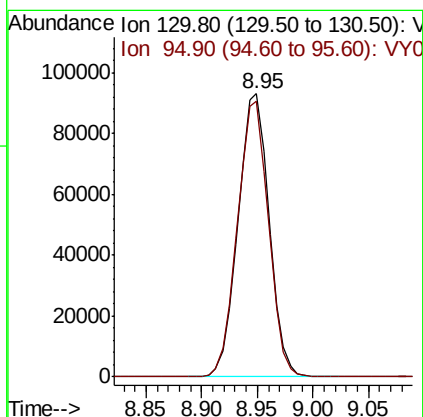
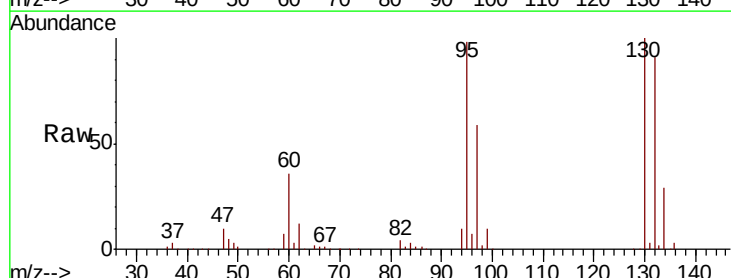
RT: 8.95 min Scan# 1183

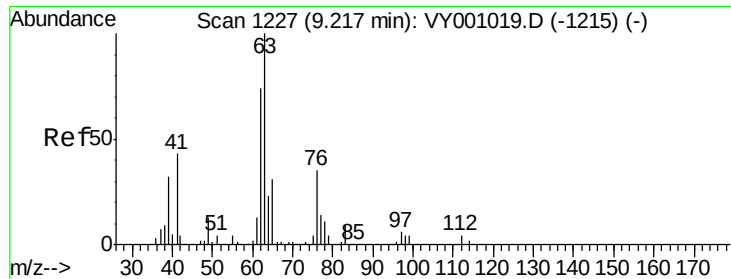
Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	130	Resp:	180668
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 47.462 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 63 Resp: 171504

Ion Ratio Lower Upper

63 100

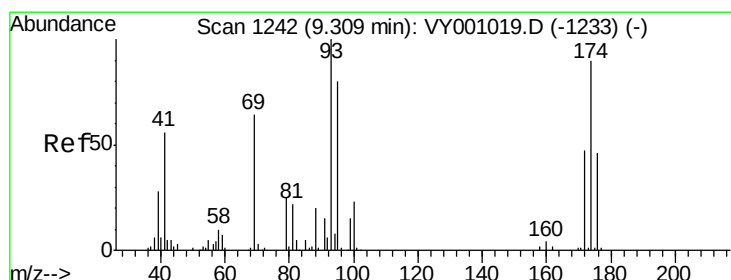
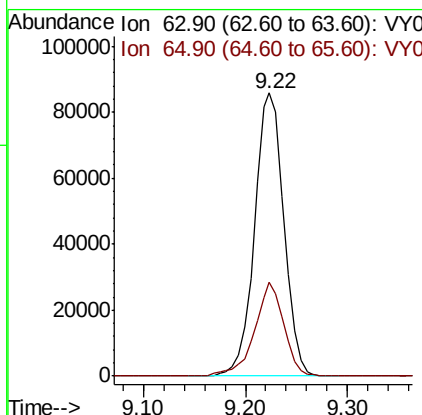
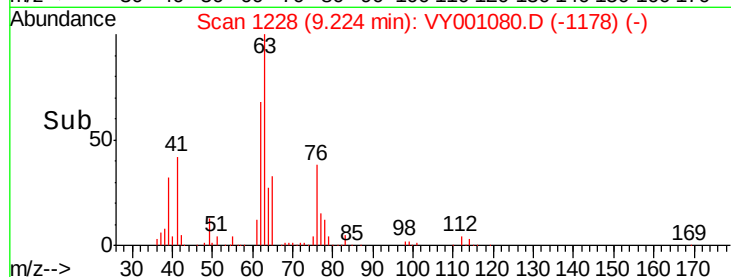
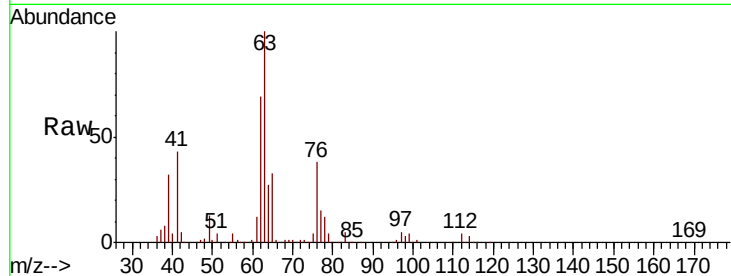
65 33.2 25.1 37.7

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#46

Dibromomethane

Concen: 44.514 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

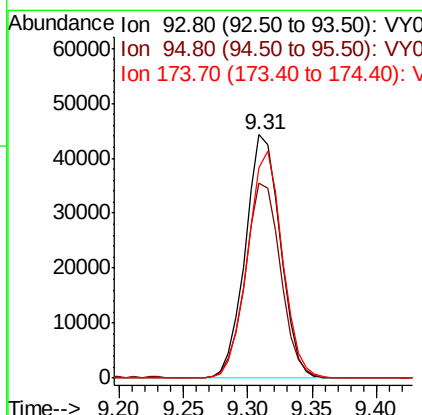
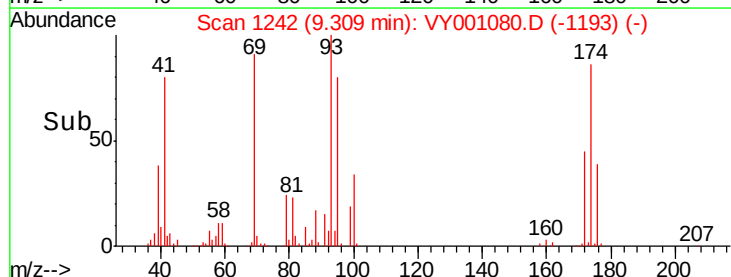
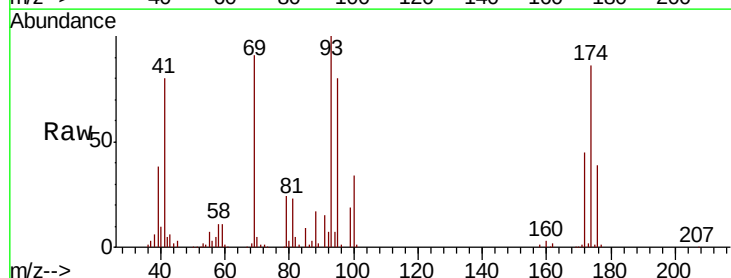
Tgt Ion: 93 Resp: 82916

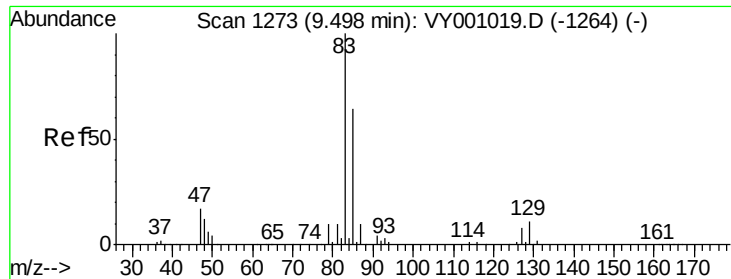
Ion Ratio Lower Upper

93 100

95 80.6 66.7 100.1

174 92.4 73.6 110.4





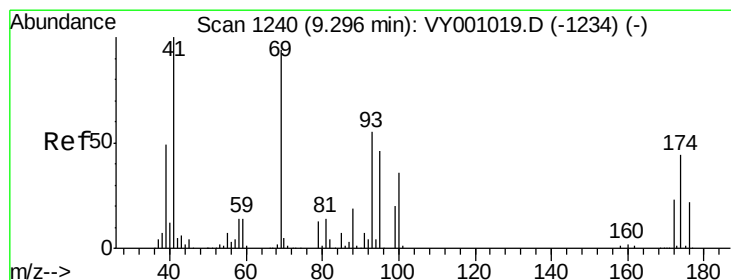
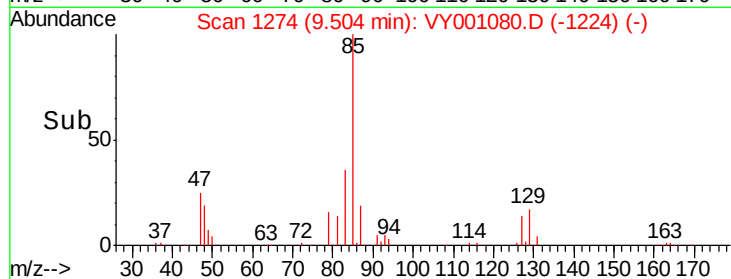
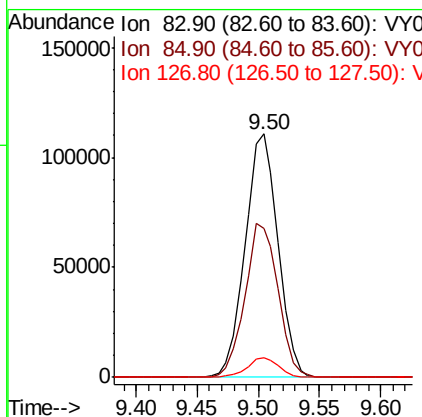
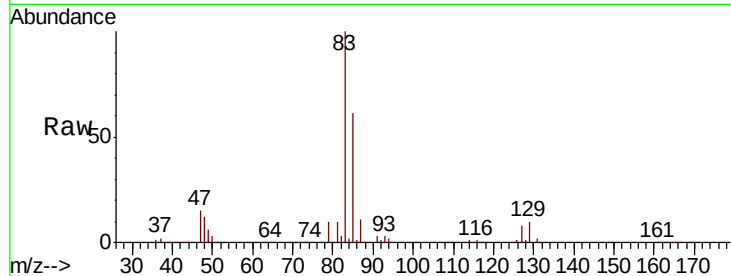
#47
Bromodichloromethane
Concen: 47.902 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206682		
85	60.9		50.9	76.3
127	8.2		6.4	9.6

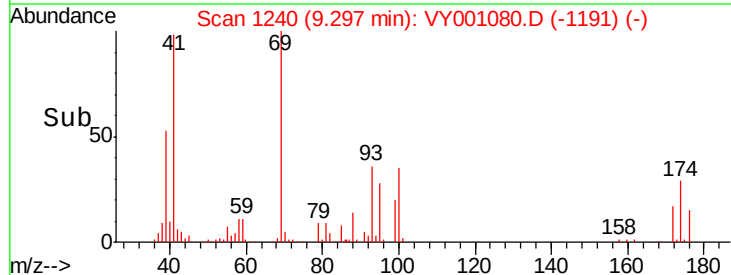
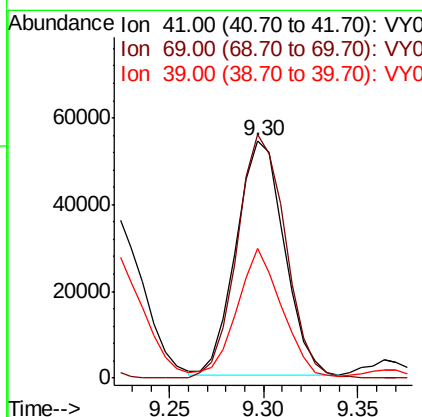
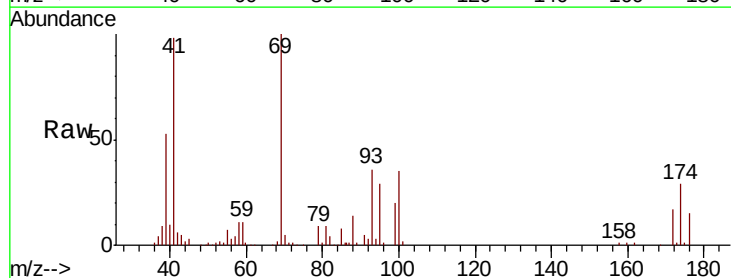
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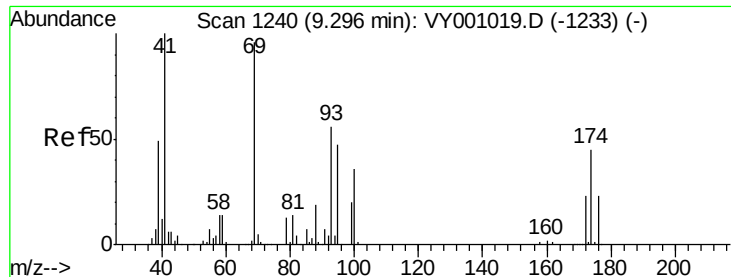
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#48
Methyl methacrylate
Concen: 45.953 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	95968		
69	104.6		79.8	119.6
39	52.2		41.7	62.5





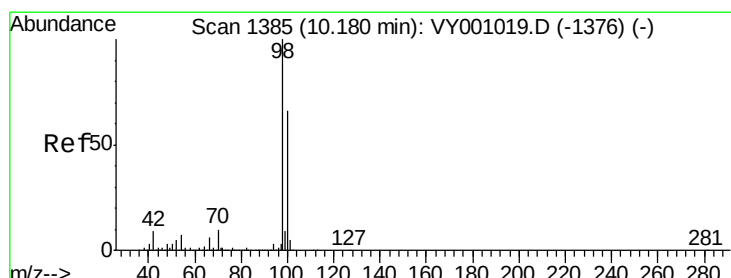
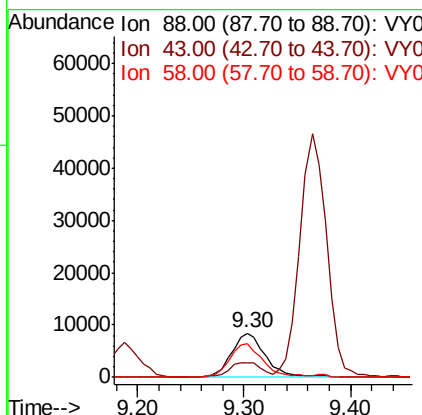
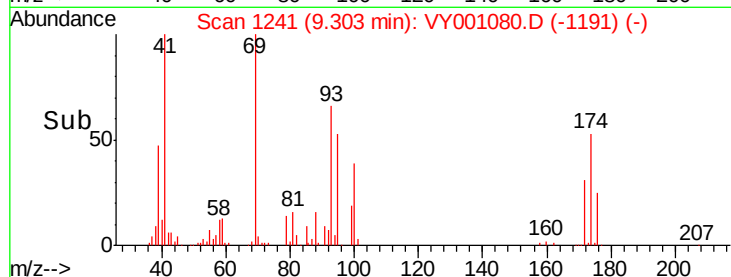
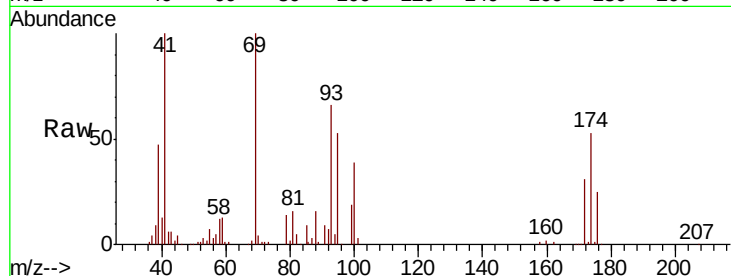
#49
1,4-Dioxane
Concen: 695.017 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	88	Resp	18938
Ion Ratio	Lower	Upper	
88	100		
43	33.4	23.0	34.4
58	75.1	54.9	82.3

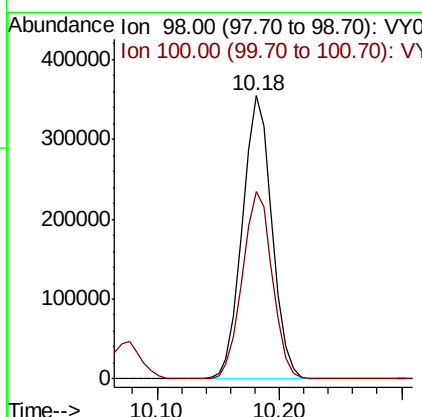
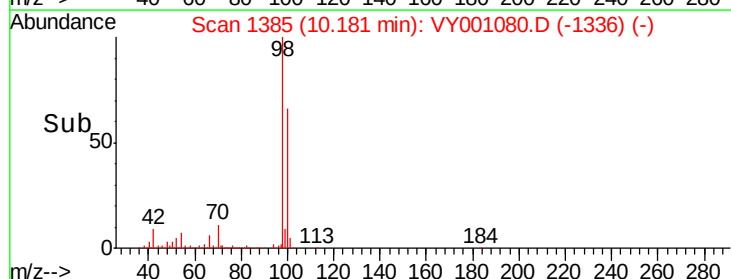
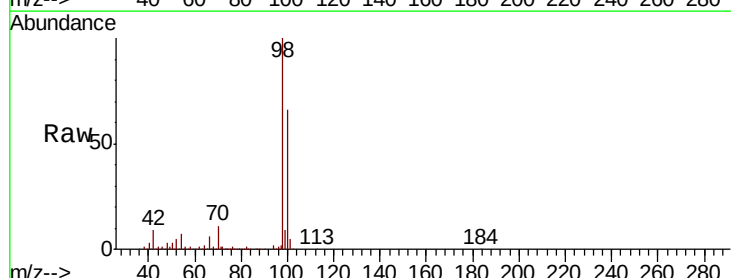
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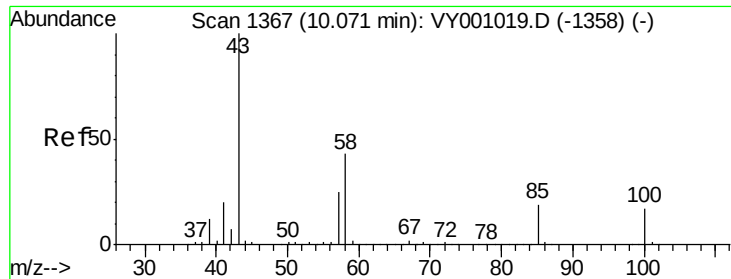
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#50
Toluene-d8
Concen: 51.522 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	98	Resp	593379
Ion Ratio	Lower	Upper	
98	100		
100	67.1	53.0	79.4





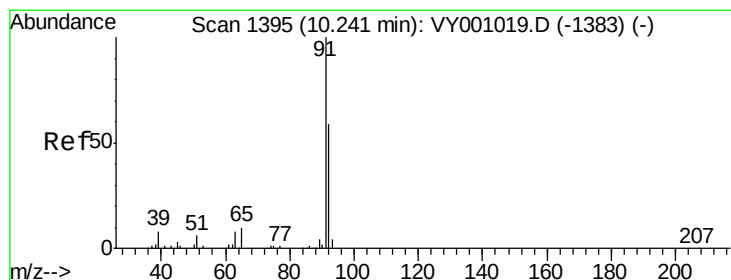
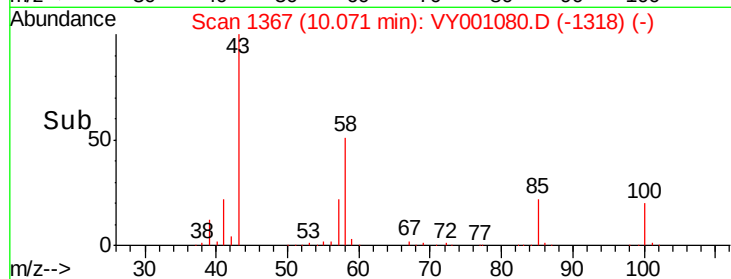
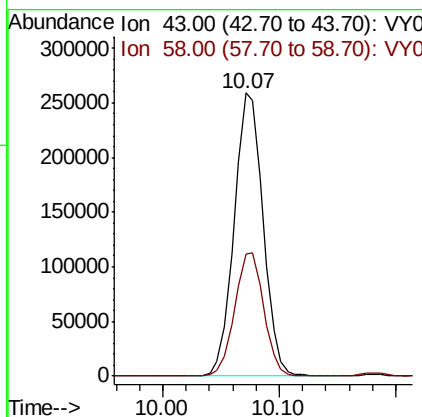
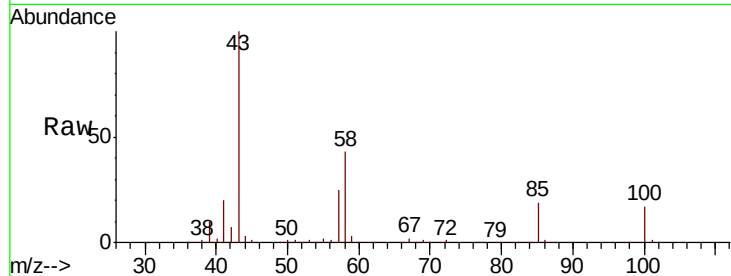
#51
4-Methyl-2-Pentanone
Concen: 176.005 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.8	34.6	52.0

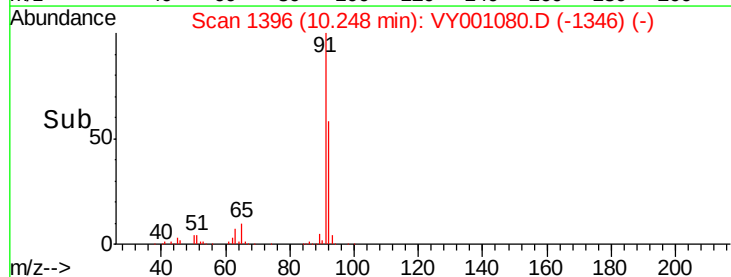
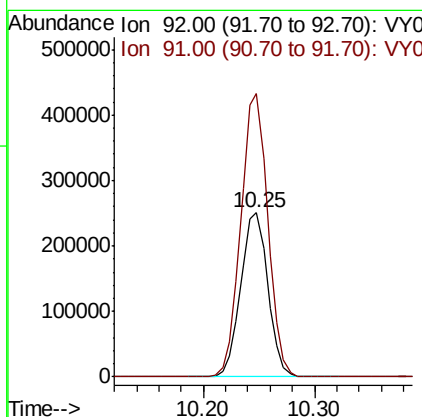
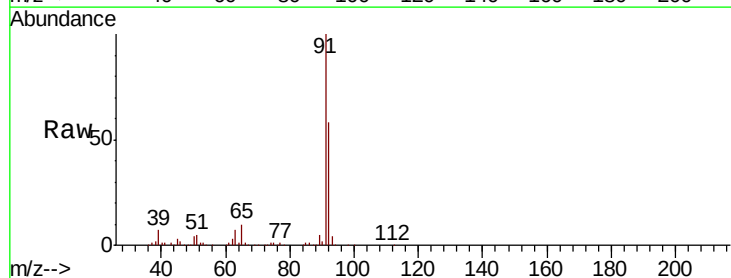
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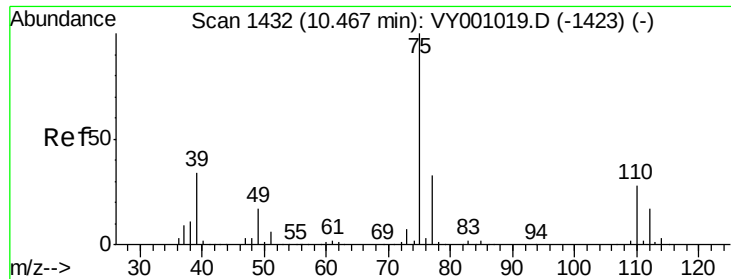
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#52
Toluene
Concen: 47.784 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	135.7	203.5





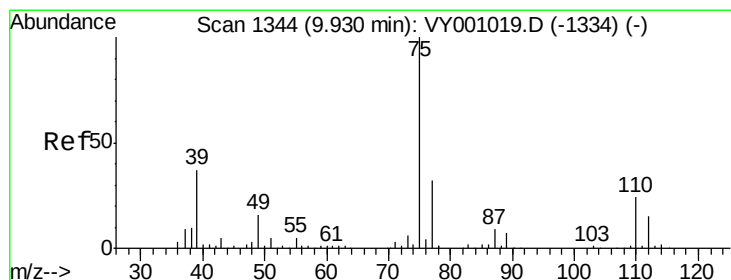
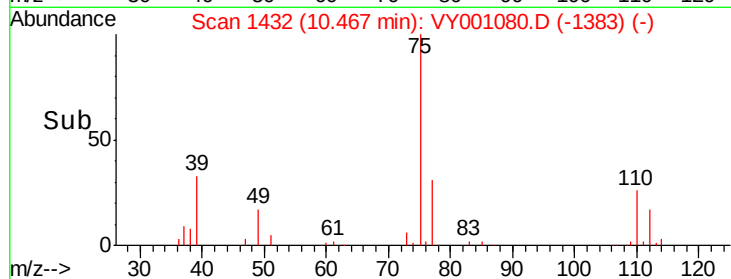
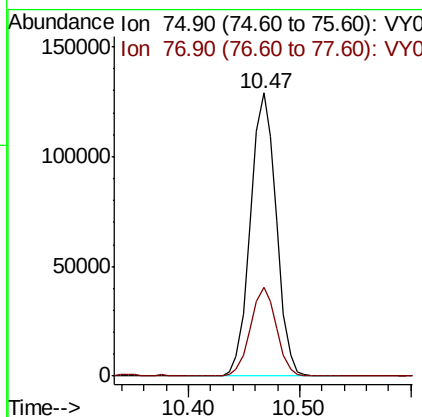
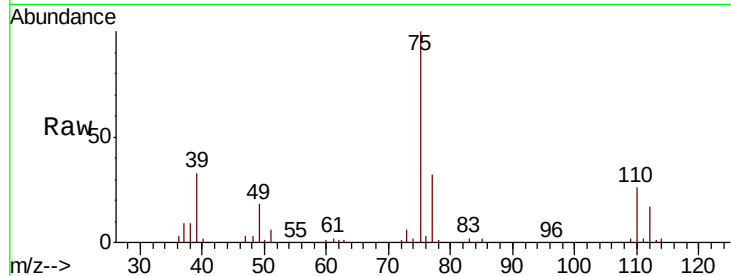
#53
t-1,3-Dichloropropene
Concen: 44.514 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion: 75 Resp: 208446
Ion Ratio Lower Upper
75 100
77 31.5 26.5 39.7

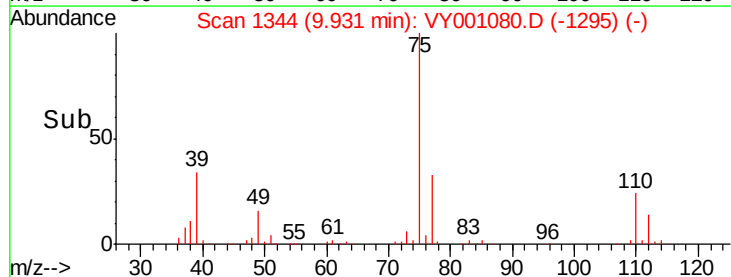
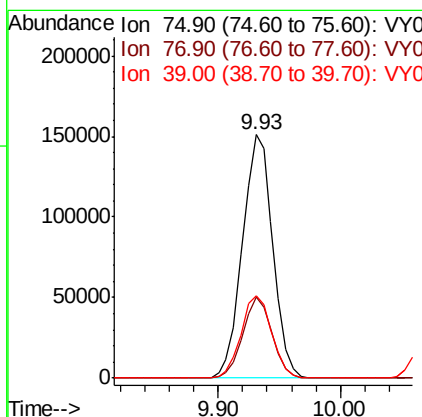
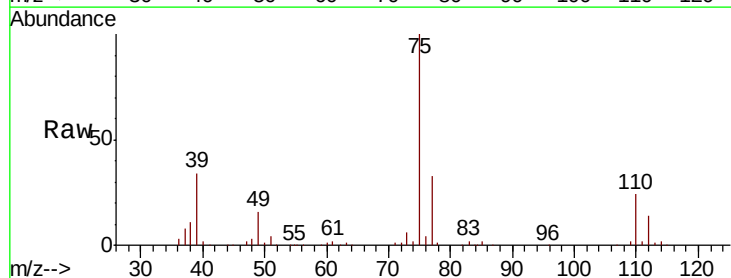
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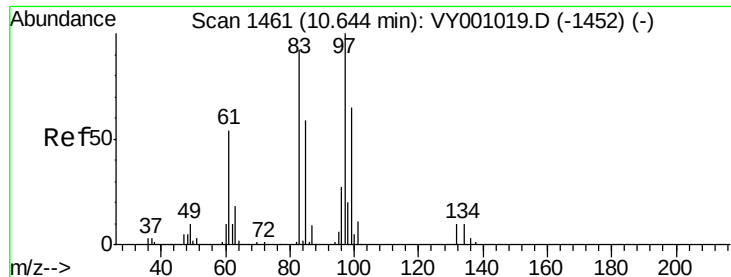
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#54
cis-1,3-Dichloropropene
Concen: 46.069 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion: 75 Resp: 259399
Ion Ratio Lower Upper
75 100
77 33.4 25.2 37.8
39 33.9 29.5 44.3





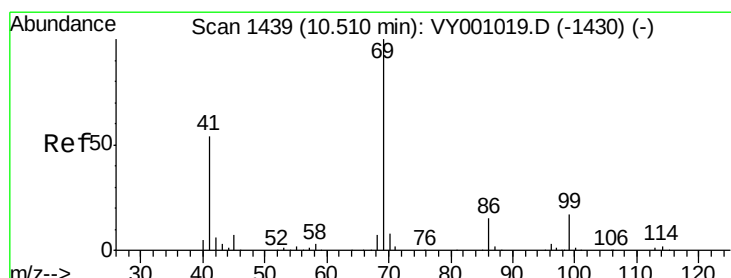
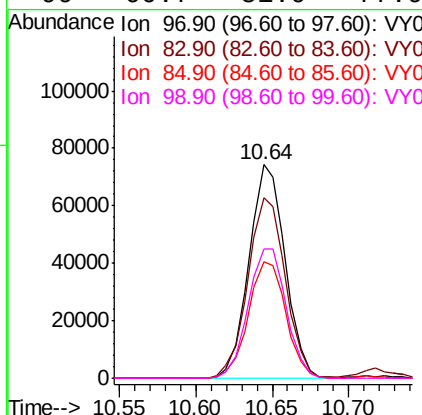
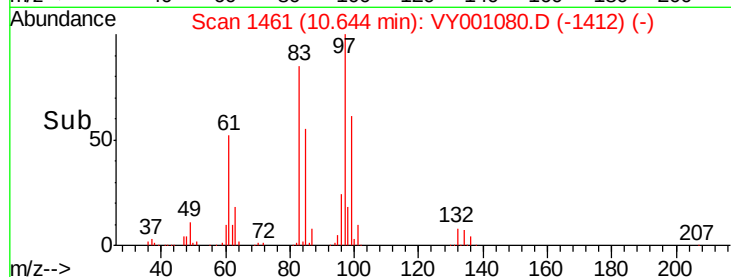
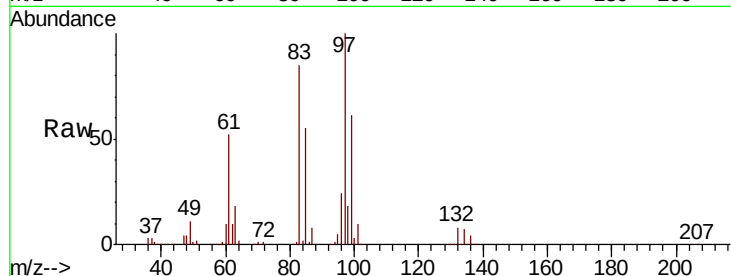
#55
 1,1,2-Trichloroethane
 Concen: 43.974 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	73.7	110.5
85	54.7	47.3	70.9
99	60.7	51.9	77.9

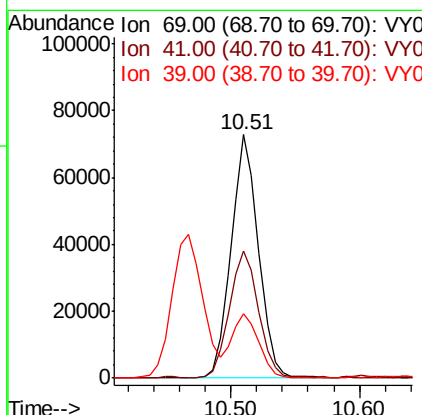
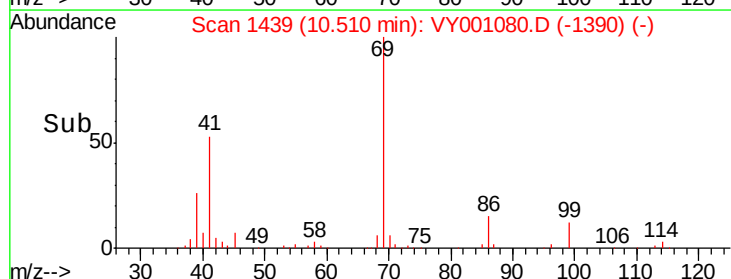
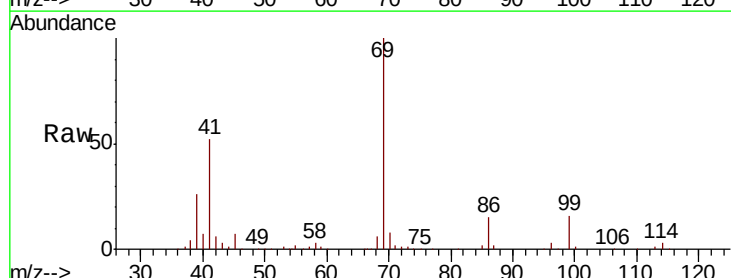
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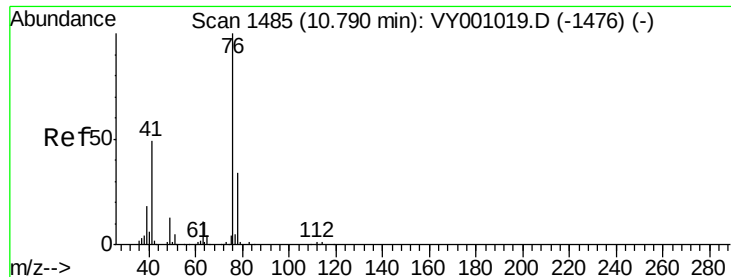
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#56
 Ethyl methacrylate
 Concen: 27.236 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.8	44.7	67.1
39	26.4	22.2	33.4





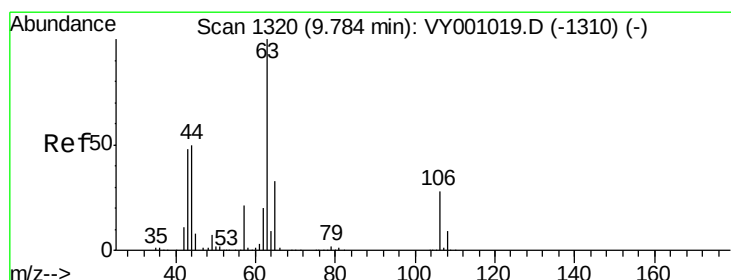
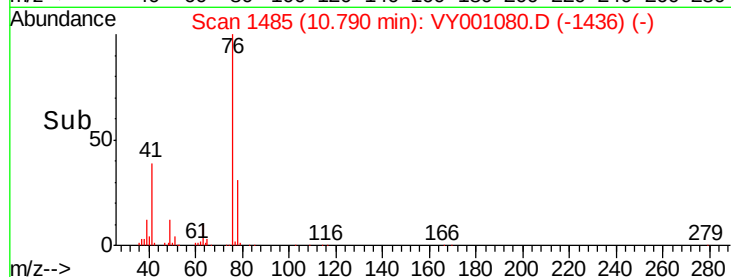
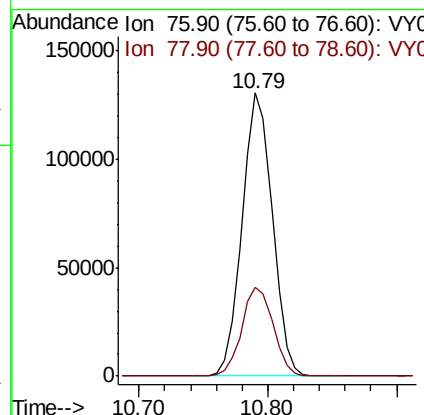
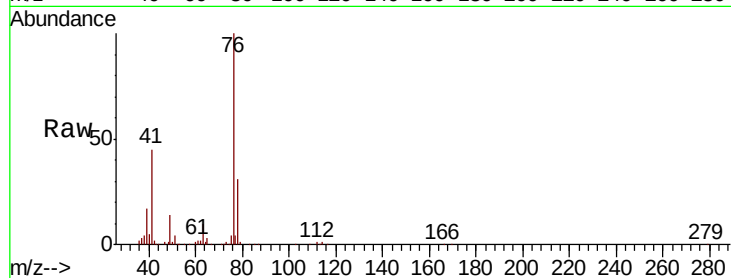
#57
 1,3-Dichloropropane
 Concen: 43.479 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

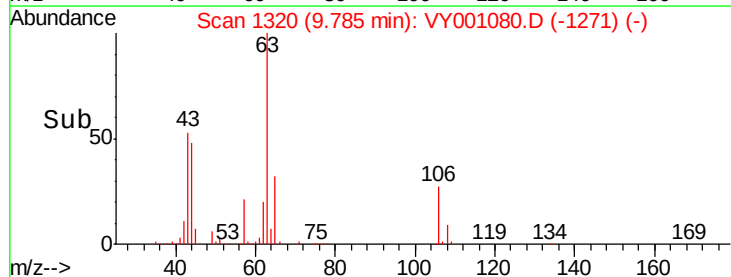
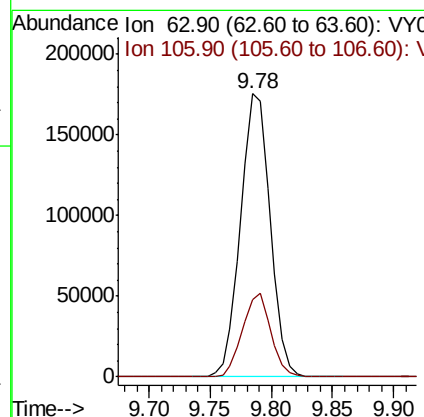
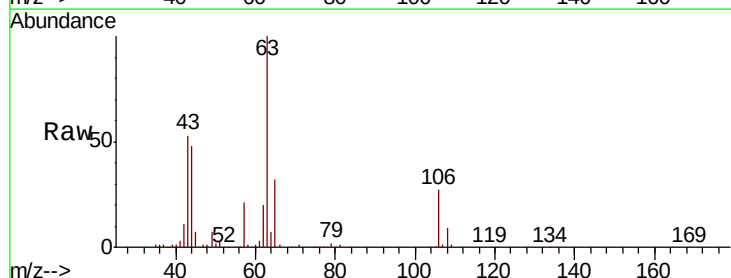
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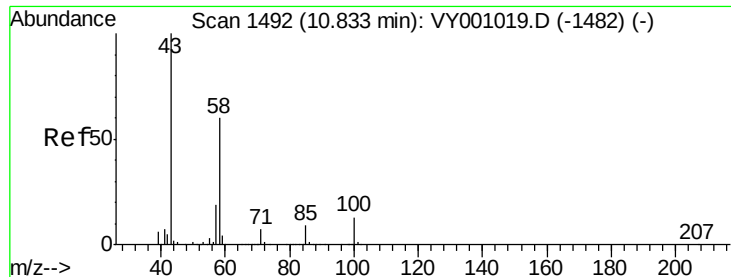
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#58
 2-Chloroethyl Vinyl ether
 Concen: 192.579 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.7	34.1





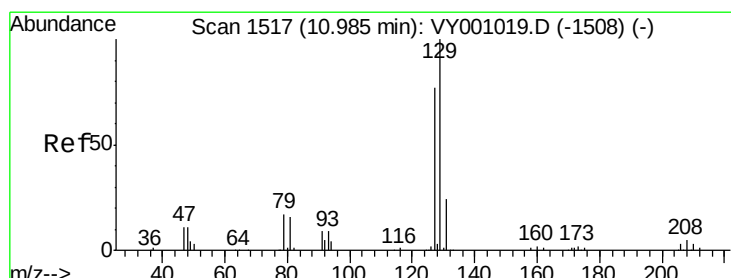
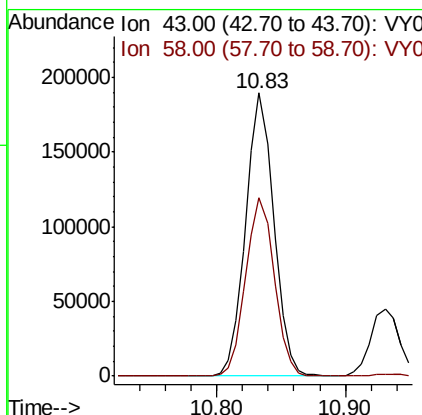
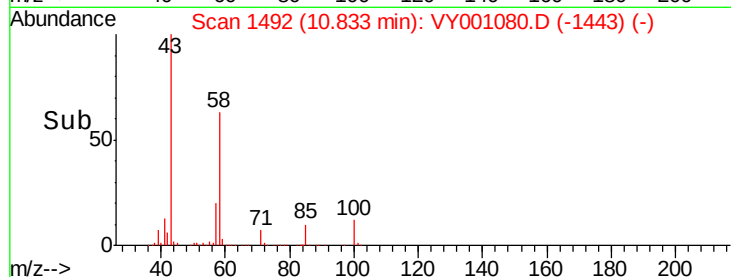
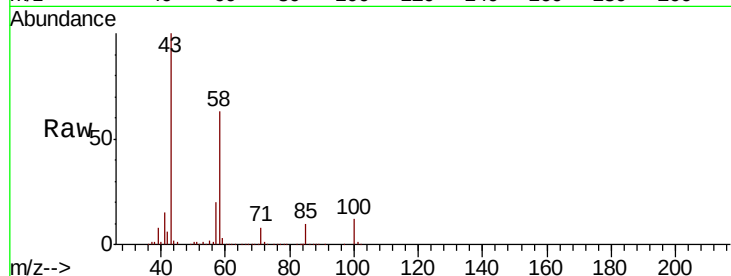
#59
2-Hexanone
Concen: 162.218 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	64.2	30.6	91.6

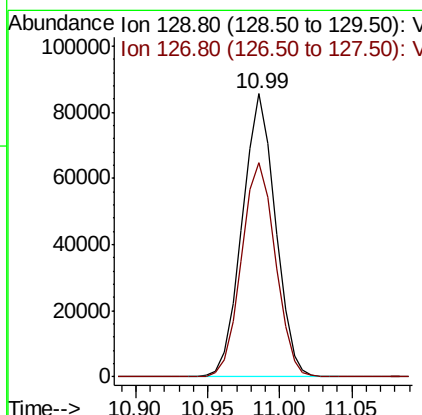
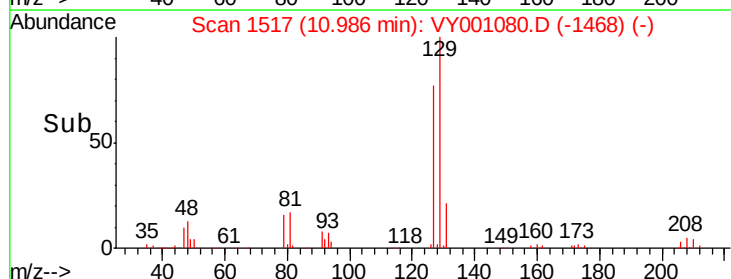
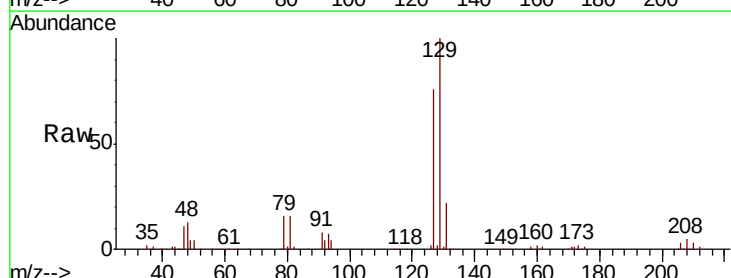
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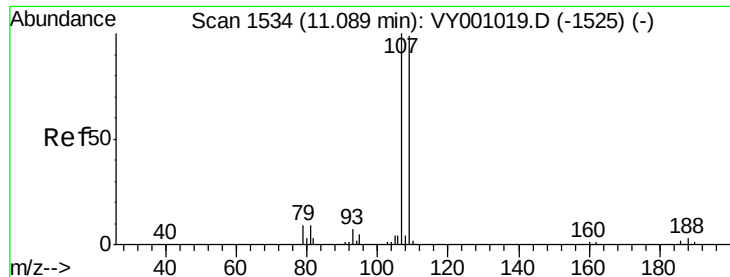
apatel
12/27/2019 11:05:01 AM



#60
Dibromochloromethane
Concen: 46.030 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.3





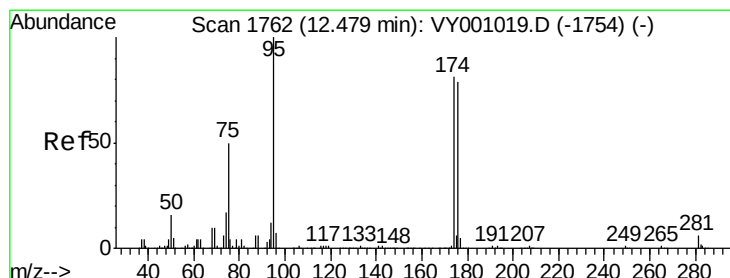
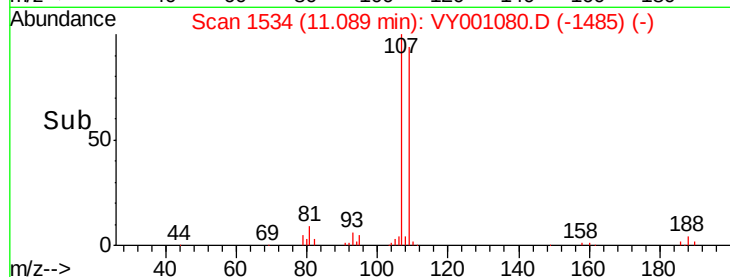
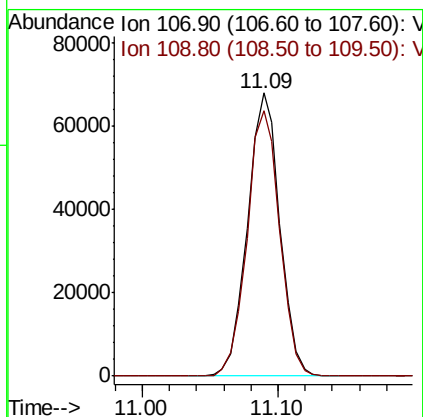
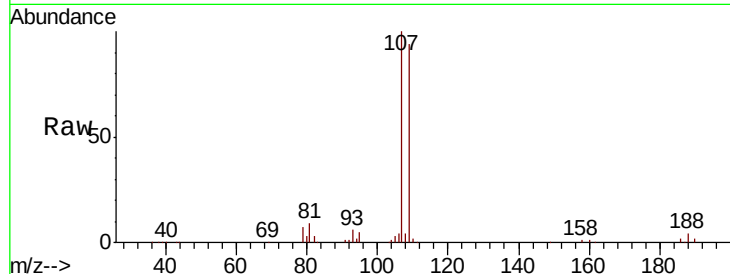
#61
 1,2-Dibromoethane
 Concen: 42.497 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.8	112.2

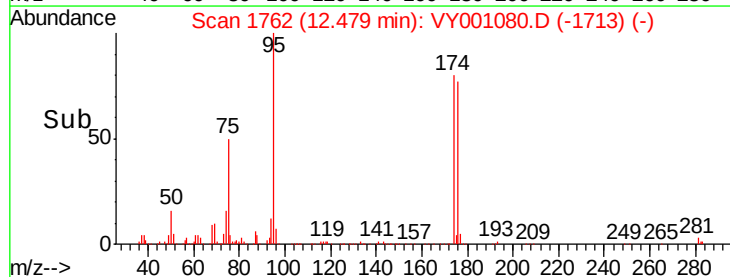
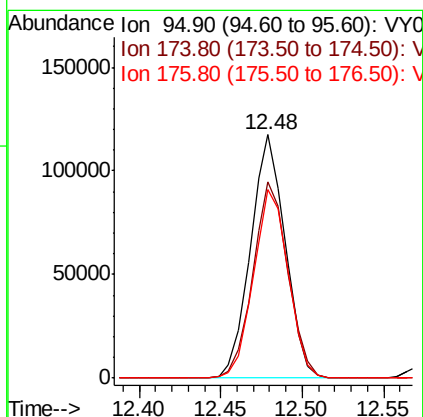
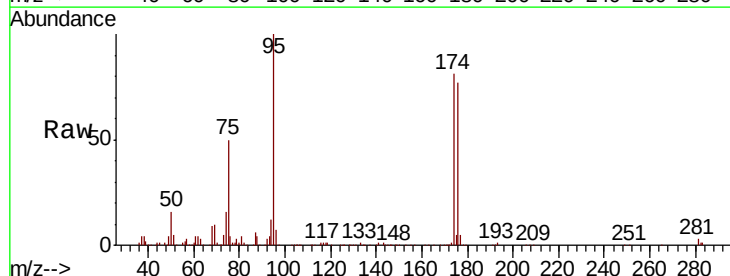
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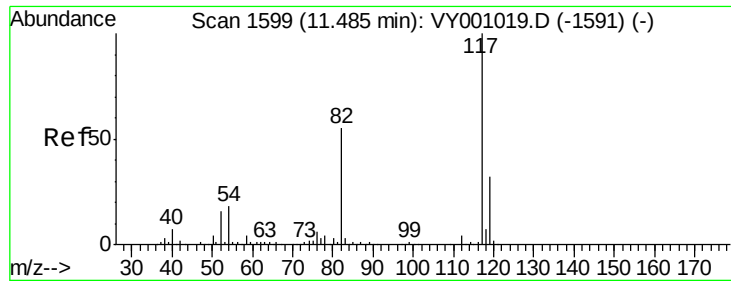
apatel
 12/27/2019 11:05:01 AM



#62
 4-Bromofluorobenzene
 Concen: 41.277 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	156.4
176	77.7	0.0	155.0





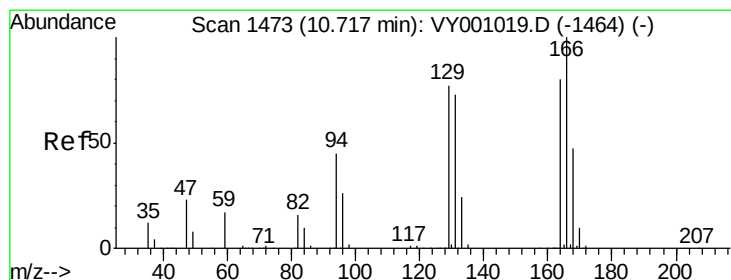
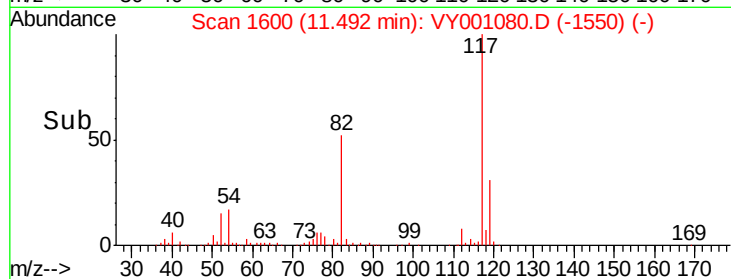
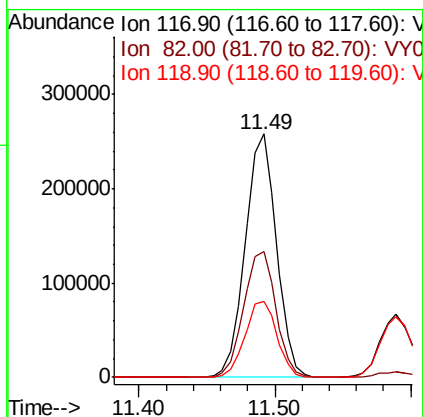
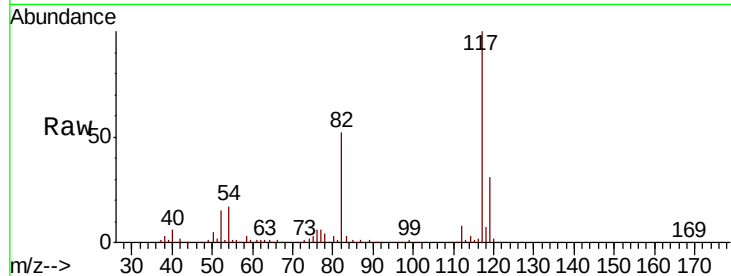
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.8	65.8
119	31.1	25.8	38.6

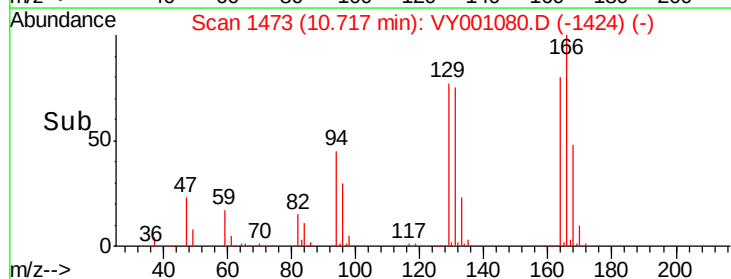
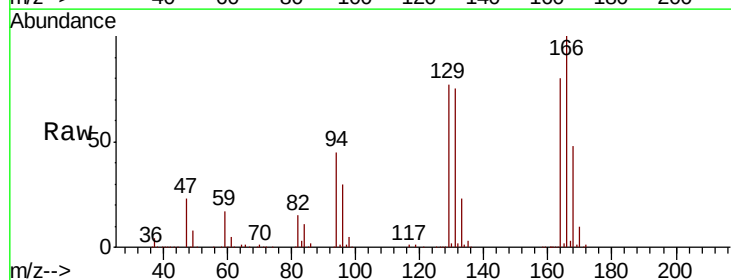
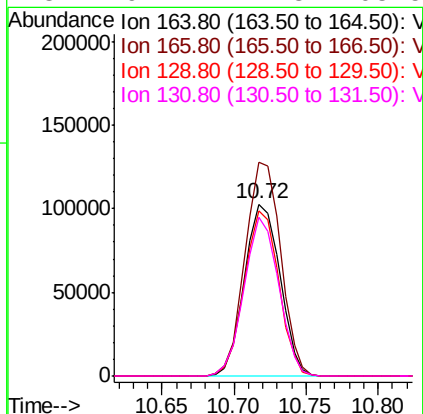
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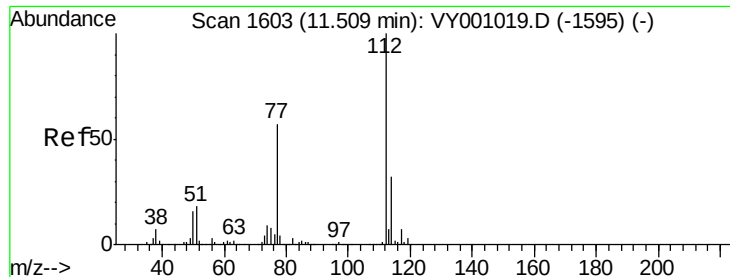
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#64
Tetrachloroethene
Concen: 48.915 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.7	149.5
129	96.1	76.9	115.3
131	92.7	72.3	108.5





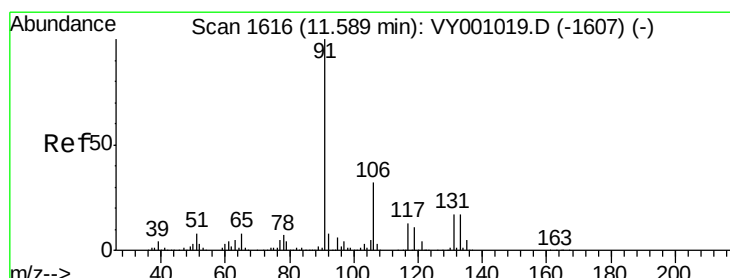
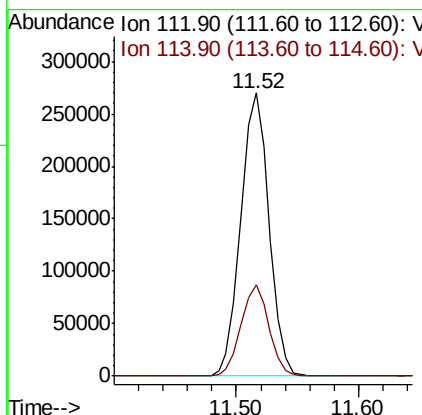
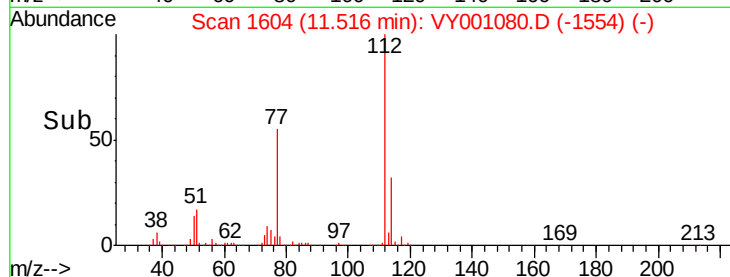
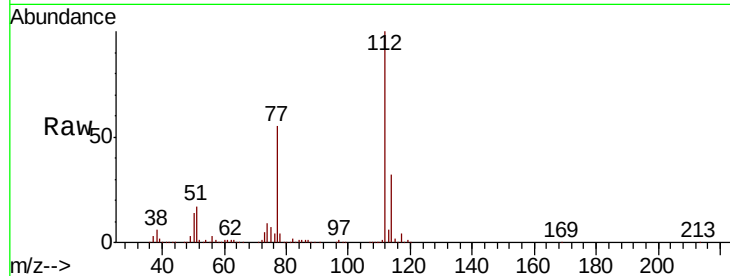
#65
Chlorobenzene
Concen: 50.112 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

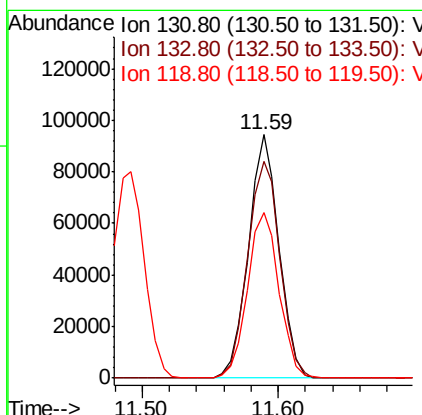
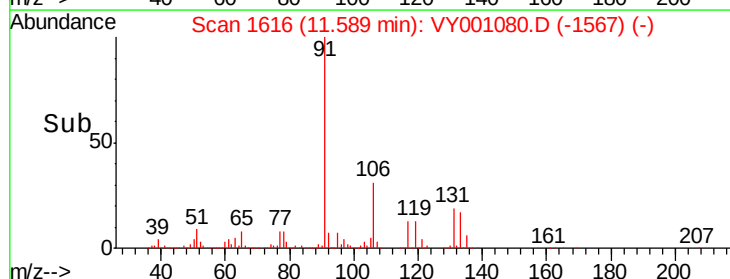
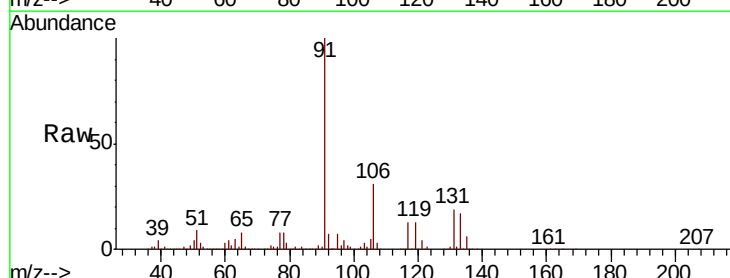
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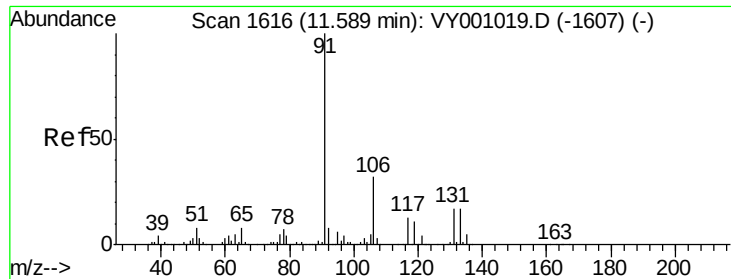
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.139 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.1	144.4
119	70.1	34.0	101.8





#67

Ethyl Benzene

Concen: 50.475 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 91 Resp: 781710

Ion Ratio Lower Upper

91 100

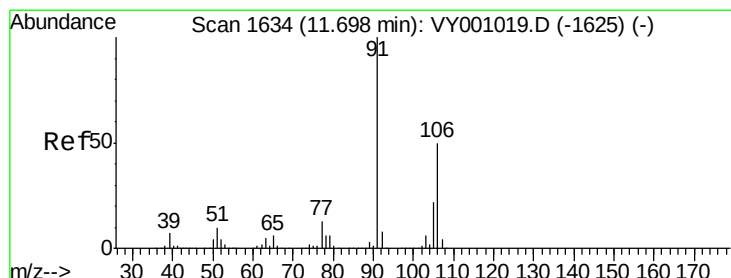
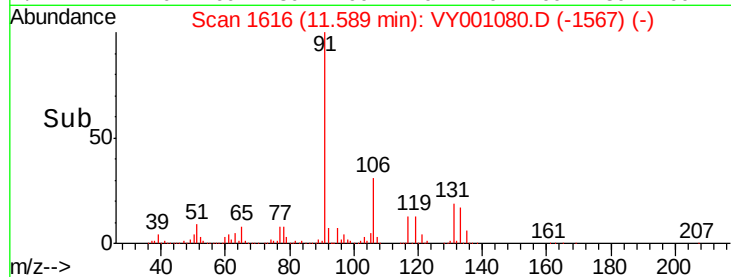
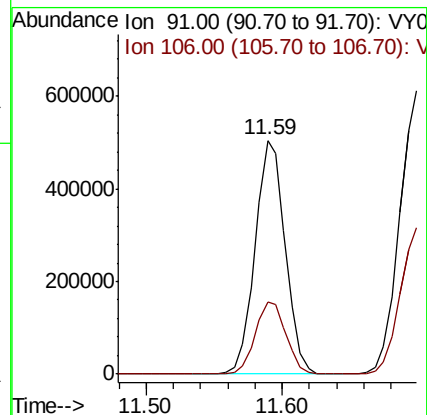
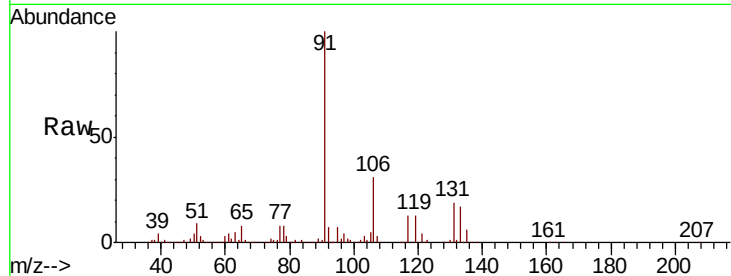
106 30.9 25.3 37.9

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#68

m/p-Xylenes

Concen: 99.819 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY001080.D

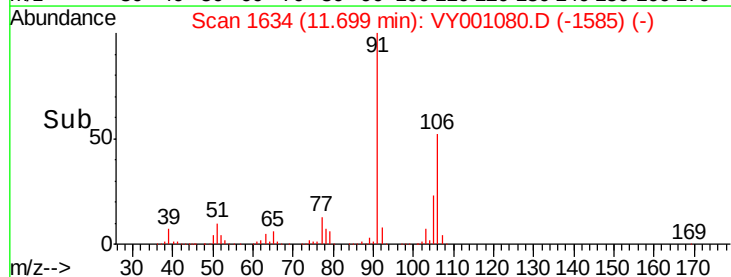
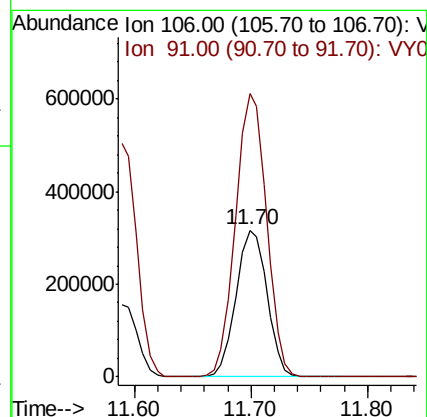
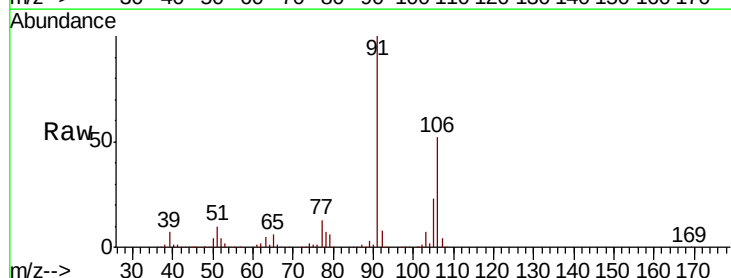
Acq: 26 Dec 2019 18:10

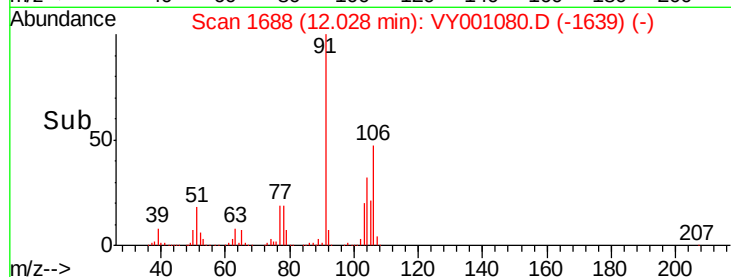
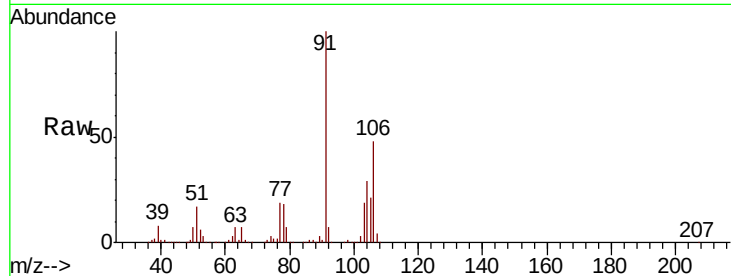
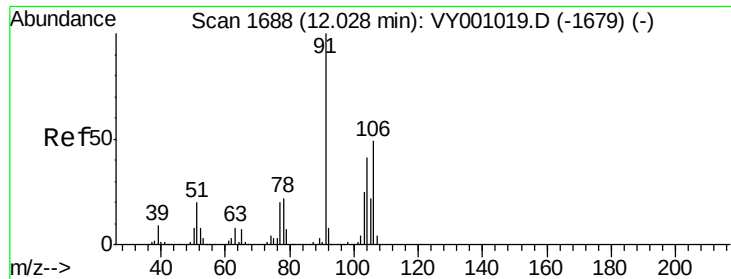
Tgt Ion: 106 Resp: 586973

Ion Ratio Lower Upper

106 100

91 193.6 156.4 234.6





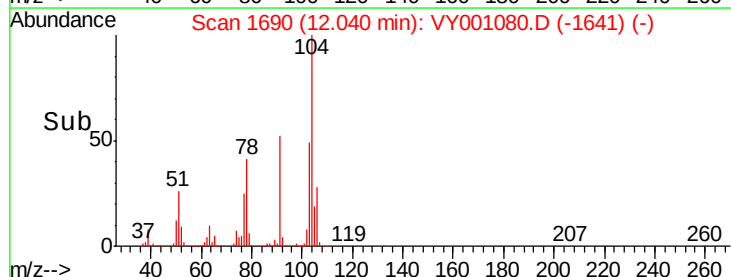
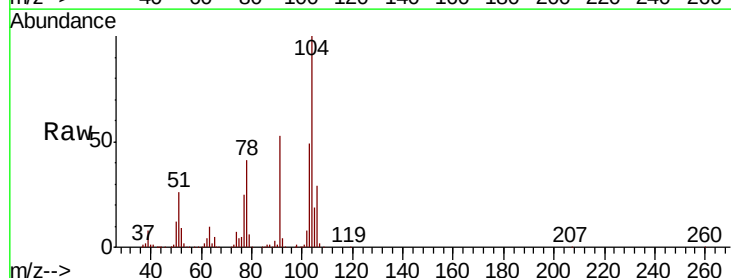
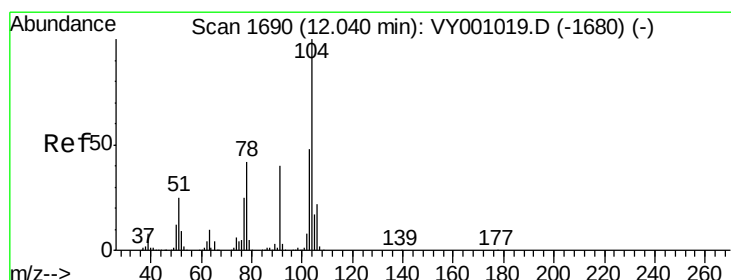
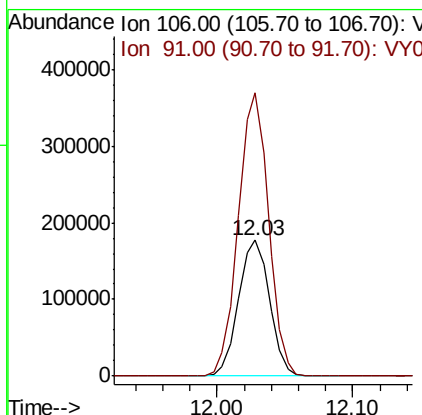
#69
o-Xylene
Concen: 50.975 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tot Ion:106 Resp: 281996
Ion Ratio Lower Upper
106 100
91 203.6 103.0 309.0

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

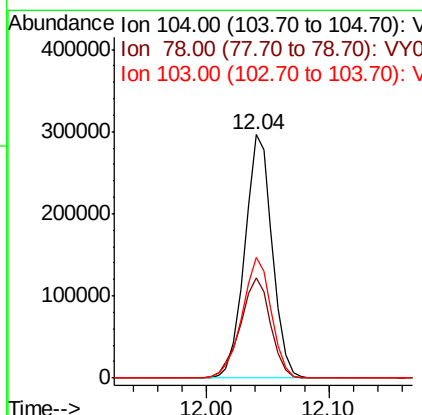
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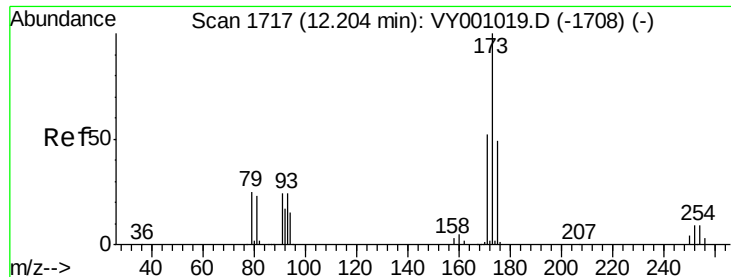
apatel
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#70
Styrene
Concen: 48.903 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion:104 Resp: 460009
Ion Ratio Lower Upper
104 100
78 45.5 36.6 54.8
103 52.9 42.6 64.0





#71

Bromoform

Concen: 44.749 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:173 Resp: 70800

Ion Ratio Lower Upper

173 100

175 48.3 24.5 73.5

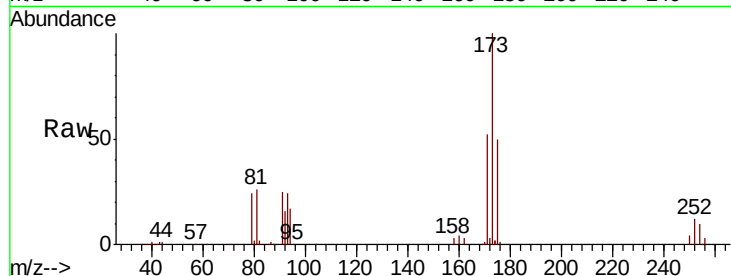
254 0.1 0.0 0.0#

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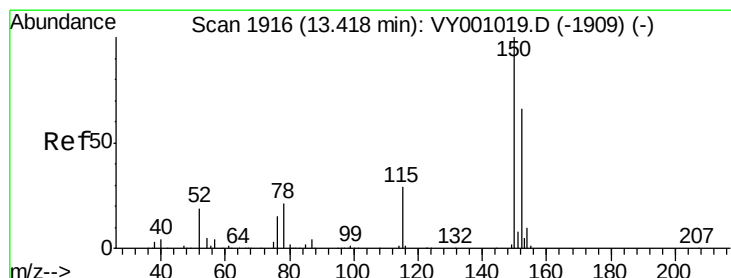
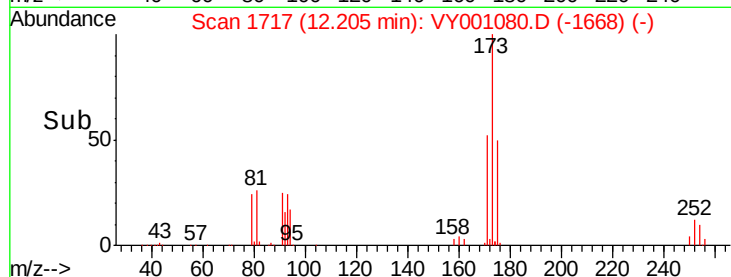
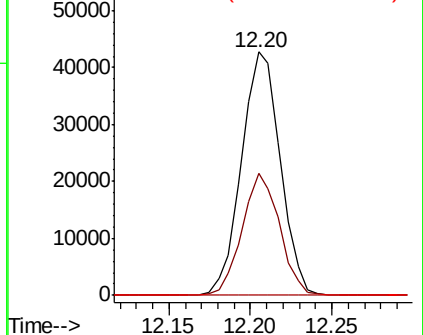
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1917

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

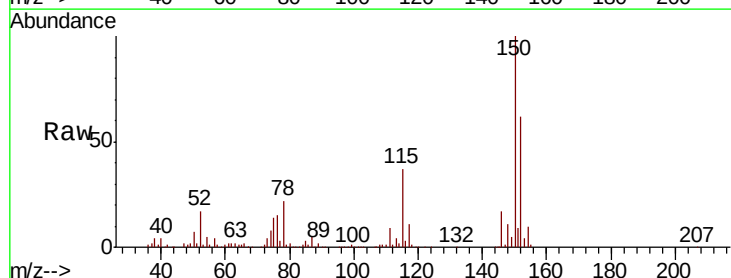
Tgt Ion:152 Resp: 167761

Ion Ratio Lower Upper

152 100

115 57.9 29.8 89.3

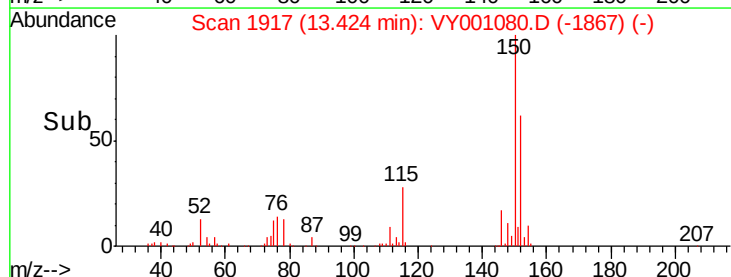
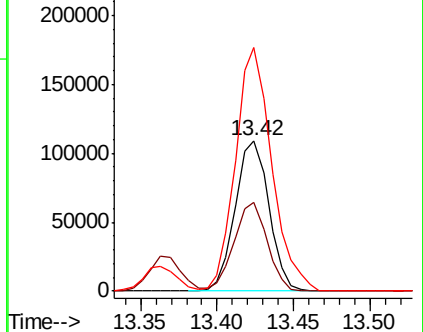
150 173.5 0.0 352.6

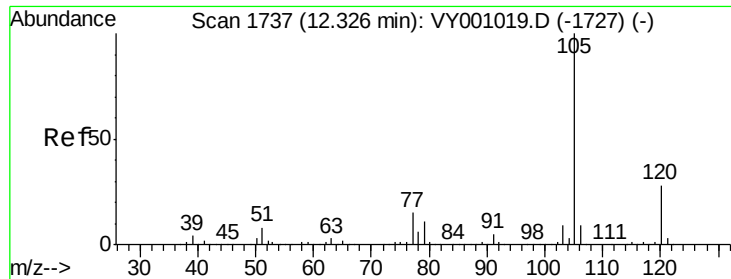


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.171 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion: 105 Resp: 716242

Ion Ratio Lower Upper

105 100

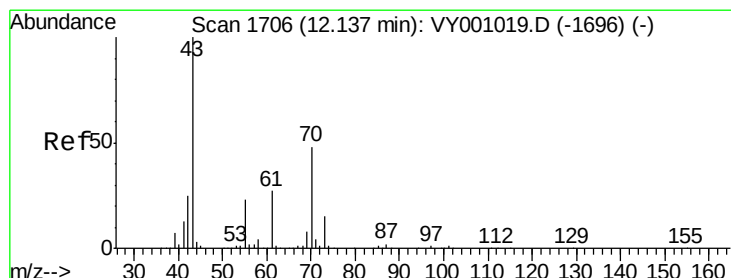
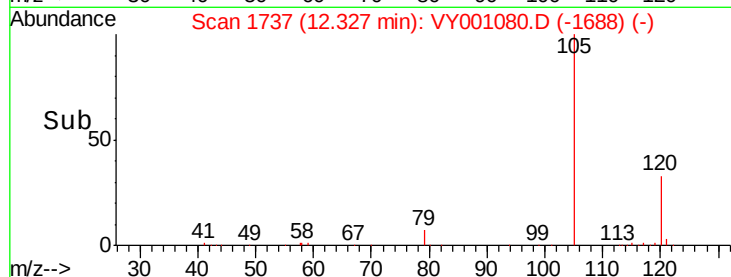
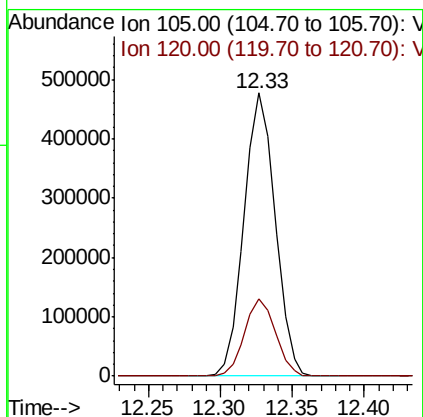
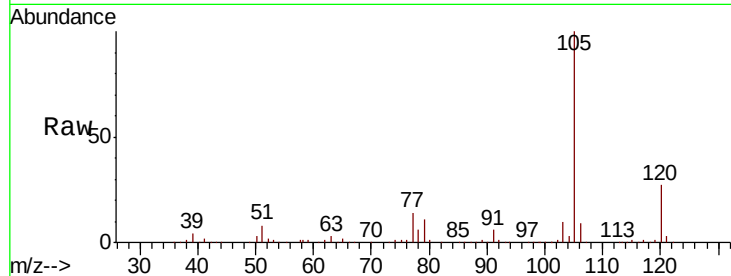
120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 11.171 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion: 43 Resp: 38099

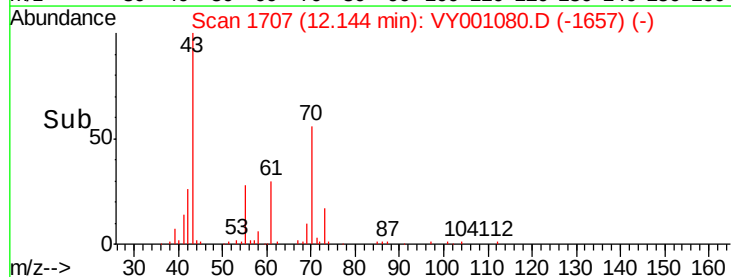
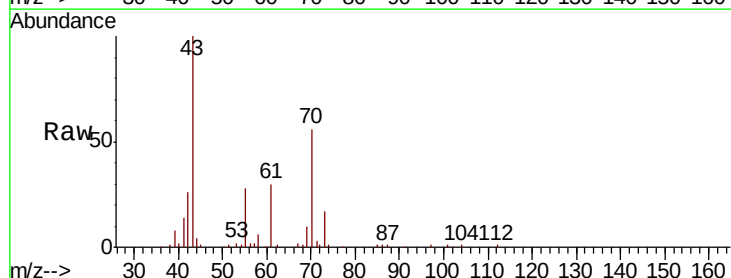
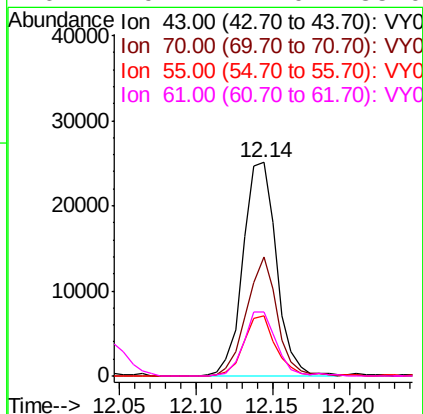
Ion Ratio Lower Upper

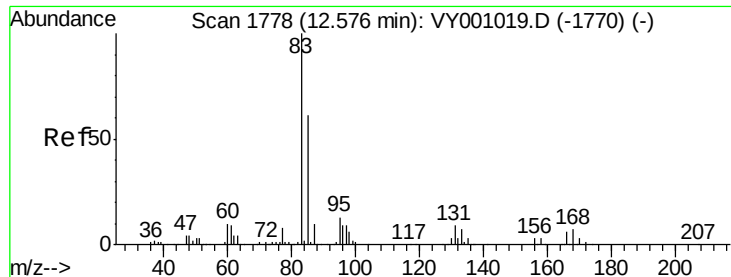
43 100

70 51.6 39.0 58.6

55 27.6 19.5 29.3

61 29.4 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.521 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

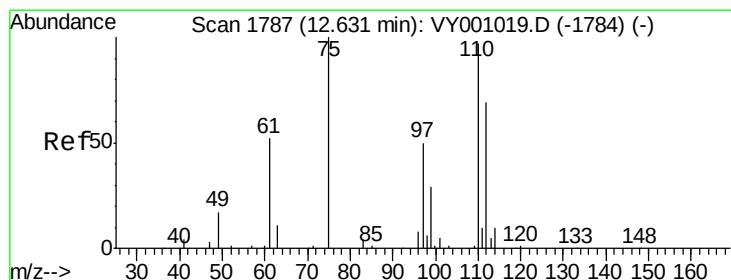
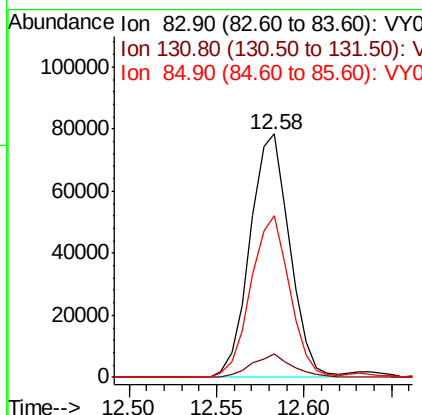
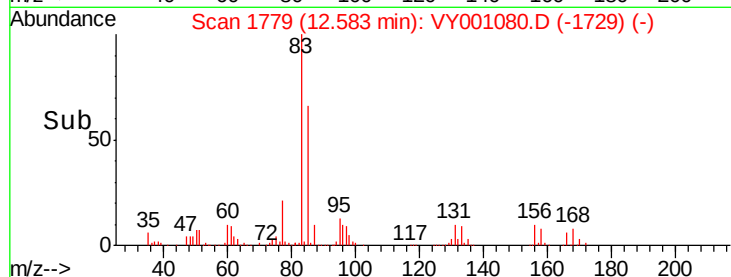
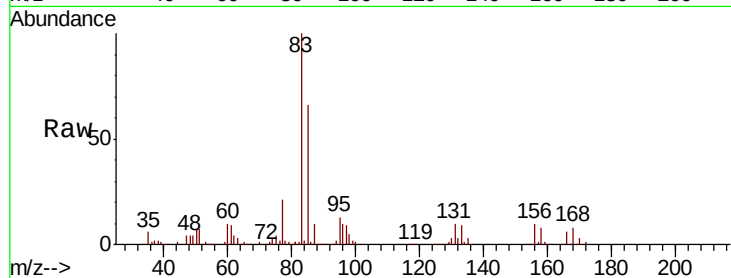
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	83	Resp:	124092
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	65.0	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 40.970 ug/l m

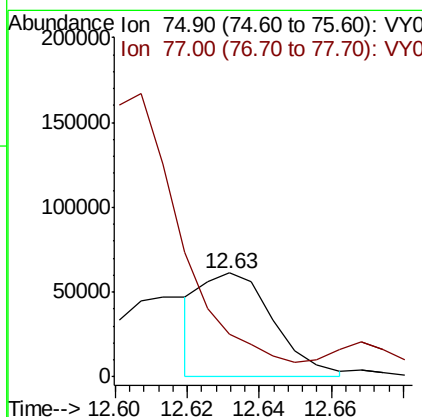
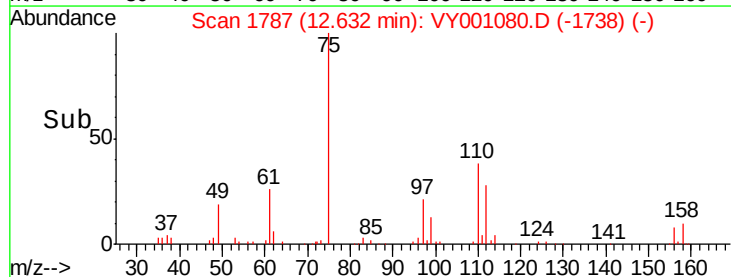
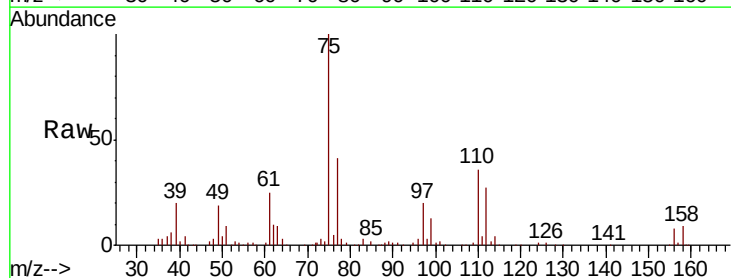
RT: 12.63 min Scan# 1787

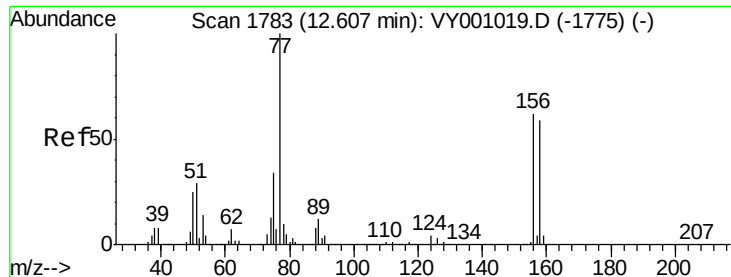
Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	75	Resp:	84733
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.430 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

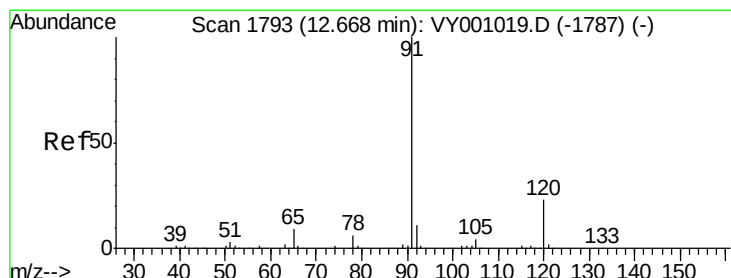
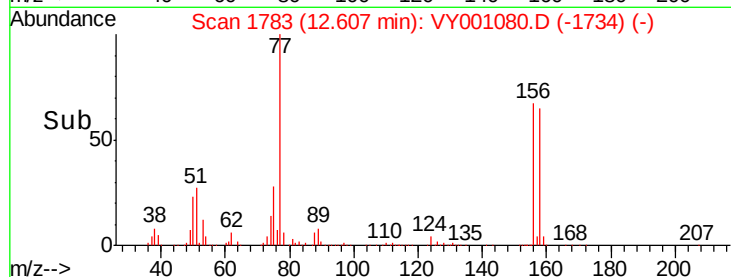
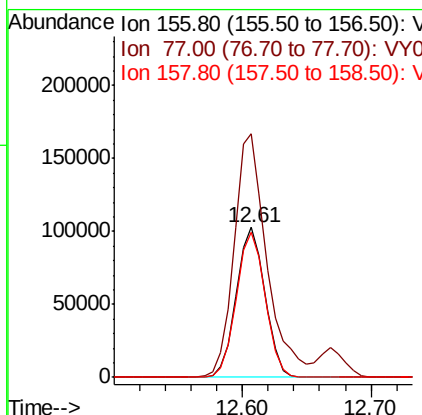
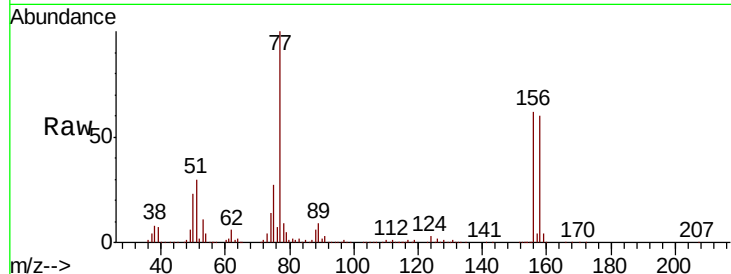
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	156	Resp:	158920
Ion Ratio	Lower	Upper	
156	100		
77	185.0	98.0	294.1
158	96.7	48.5	145.6

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#78

n-propylbenzene

Concen: 52.283 ug/l

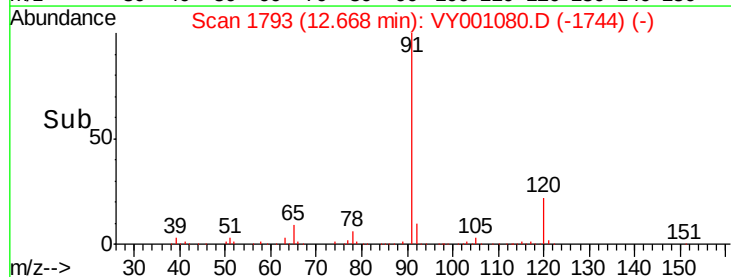
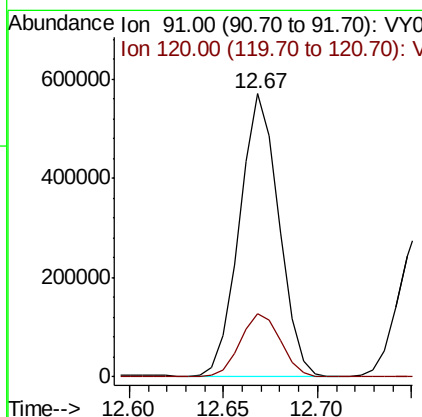
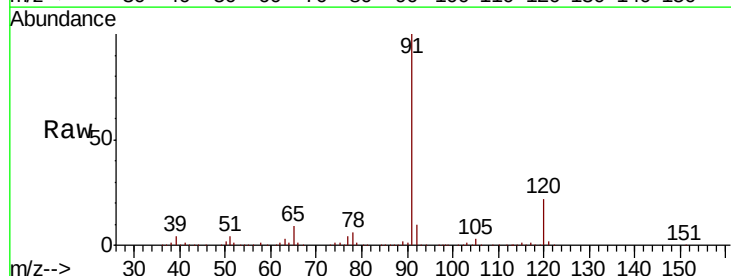
RT: 12.67 min Scan# 1793

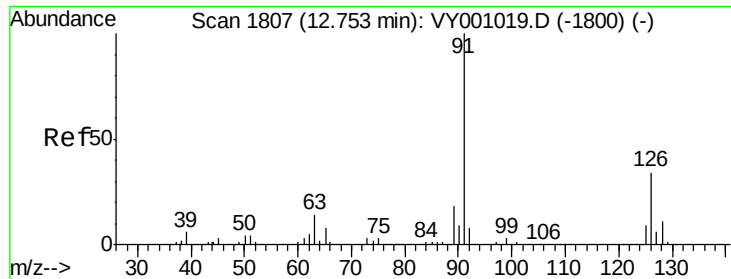
Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	91	Resp:	827057
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.2





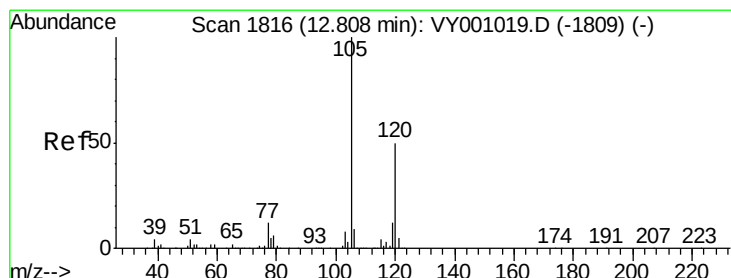
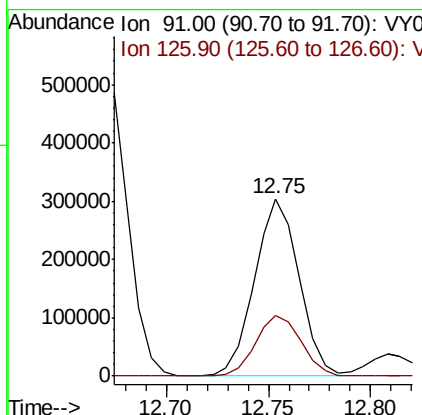
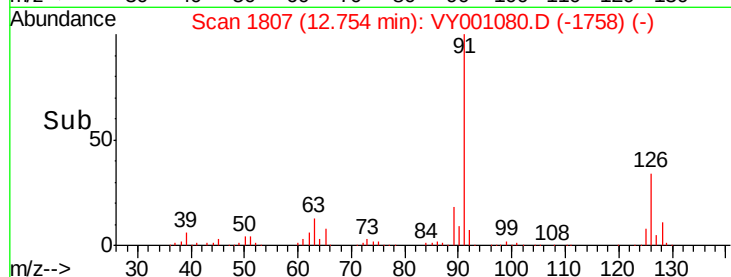
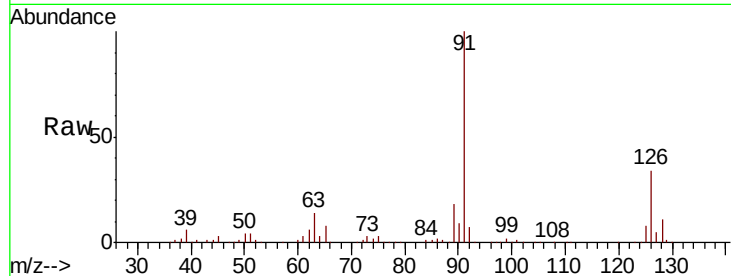
#79
2-Chlorotoluene
Concen: 52.649 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion: 91 Resp: 459932
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7

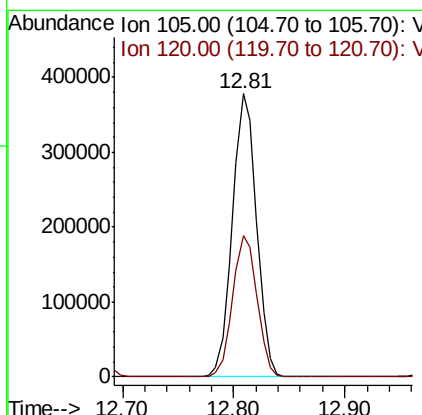
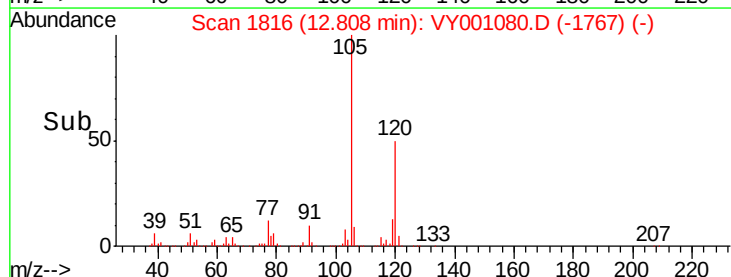
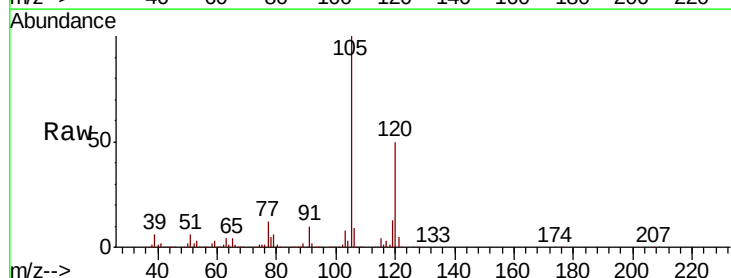
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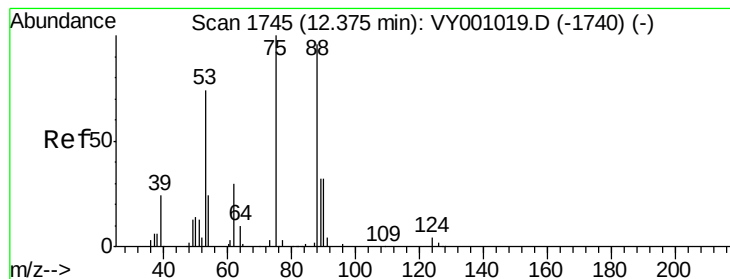
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#80
1,3,5-Trimethylbenzene
Concen: 53.265 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion: 105 Resp: 566814
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.982 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

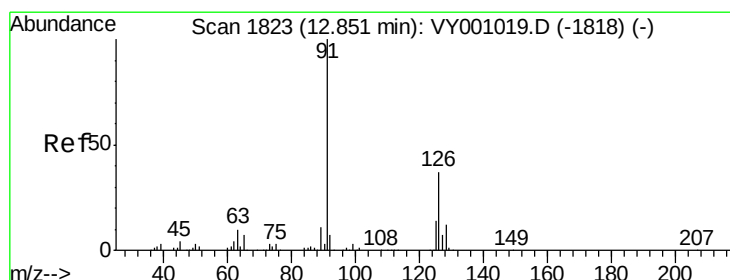
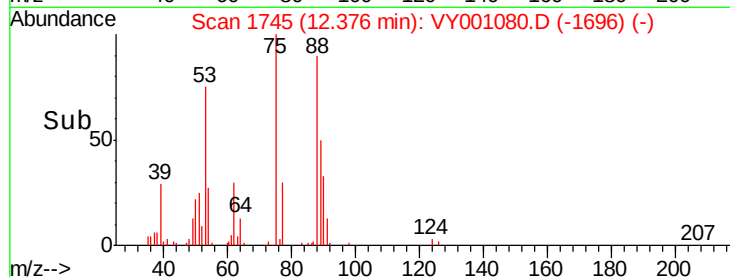
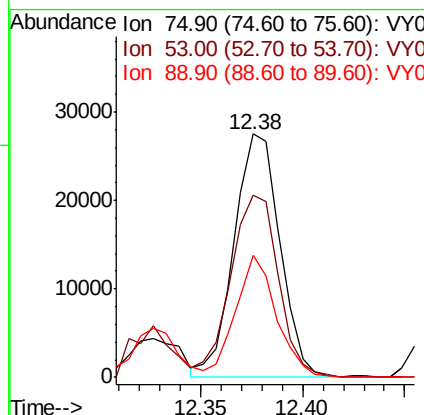
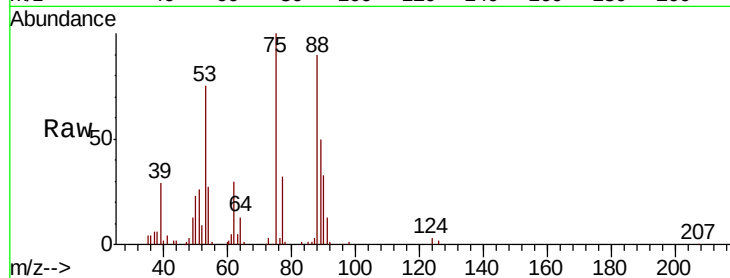
ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:	75	Resp:	42649
Ion	Ratio	Lower	Upper
75	100		
53	78.8	60.6	91.0
89	44.7	35.4	53.0

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#82

4-Chlorotoluene

Concen: 50.602 ug/l

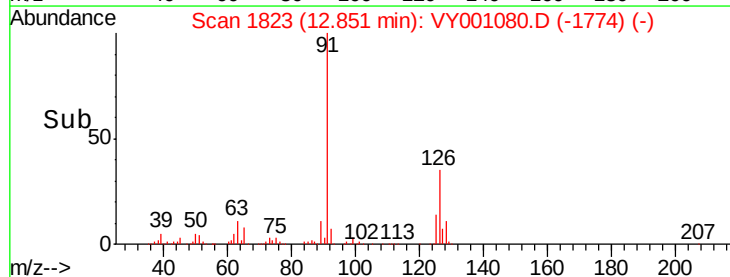
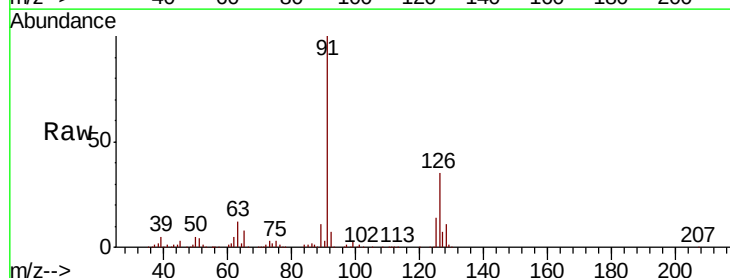
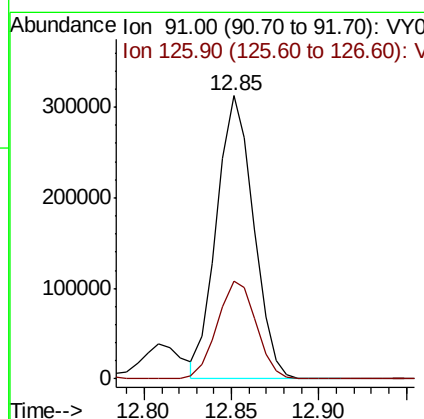
RT: 12.85 min Scan# 1823

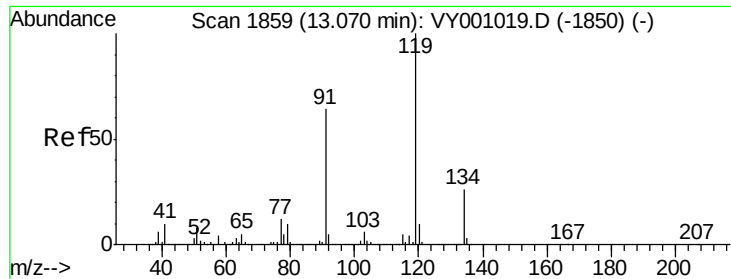
Delta R.T. 0.00 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Tgt Ion:	91	Resp:	459141
Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.6	52.8





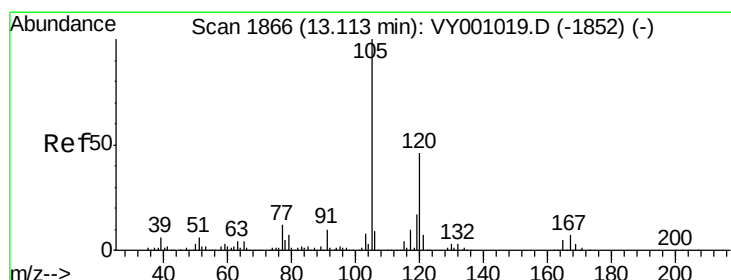
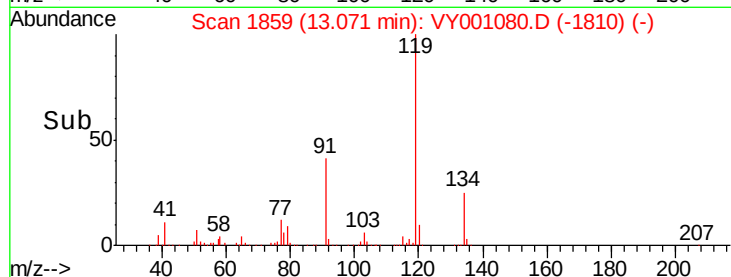
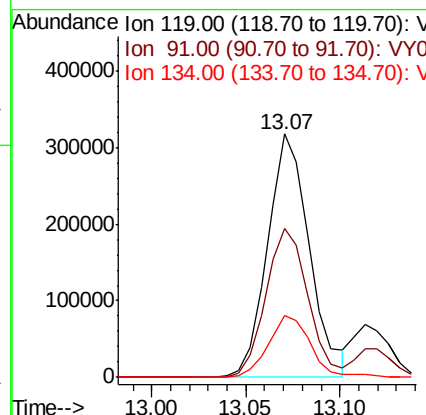
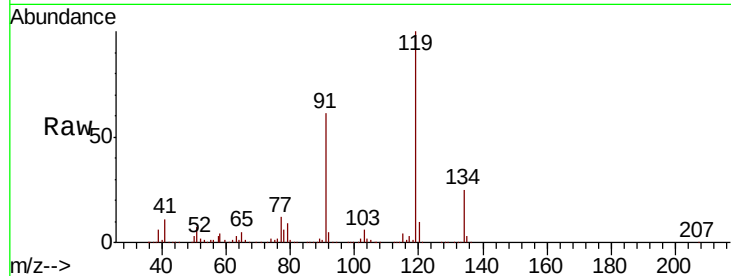
#83
 tert-Butylbenzene
 Concen: 54.841 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	489875		
91	61.6		31.9	95.7
134	25.9		13.6	40.7

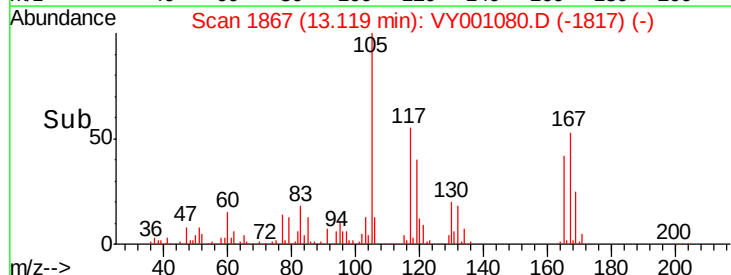
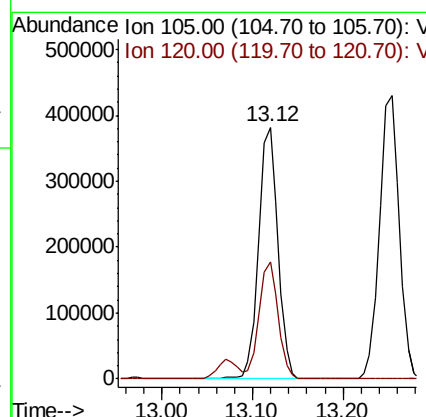
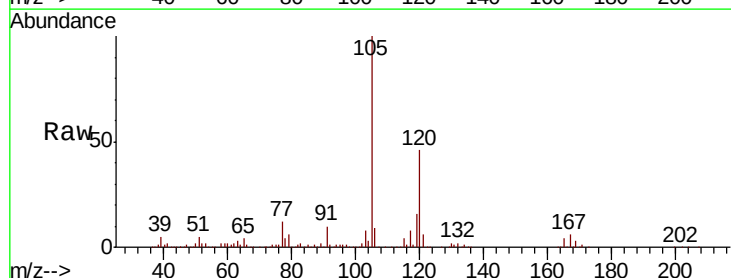
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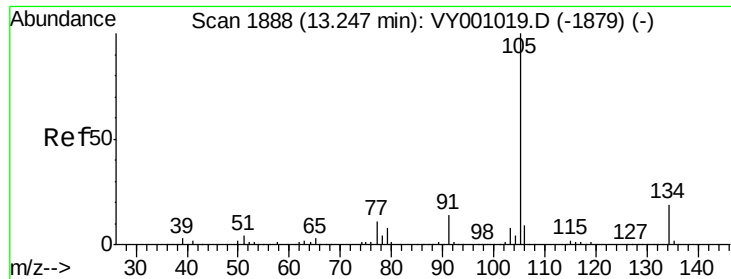
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.620 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	562686		
120	46.3		23.4	70.2





#85

sec-Butylbenzene

Concen: 49.131 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

Instrument :

MSVOA_Y

ClientSampleId :

DUNR-BF001-01MSD

Tot Ion:105 Resp: 646996

Ion Ratio Lower Upper

105 100

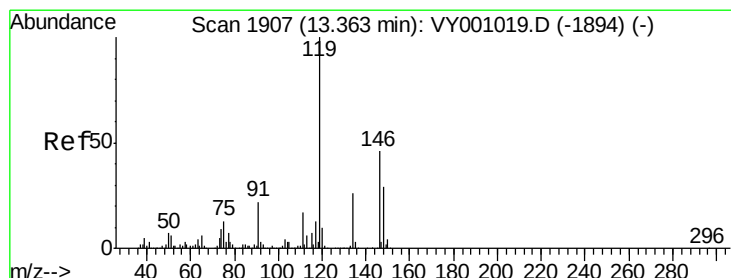
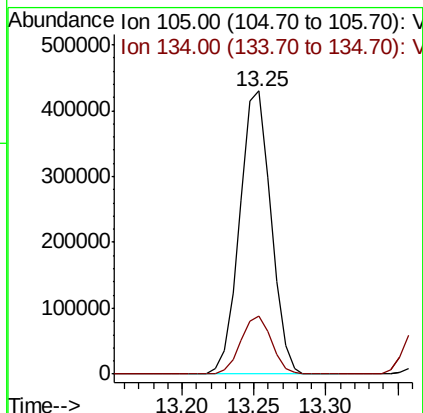
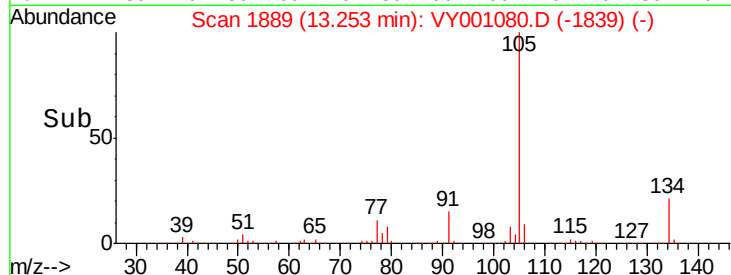
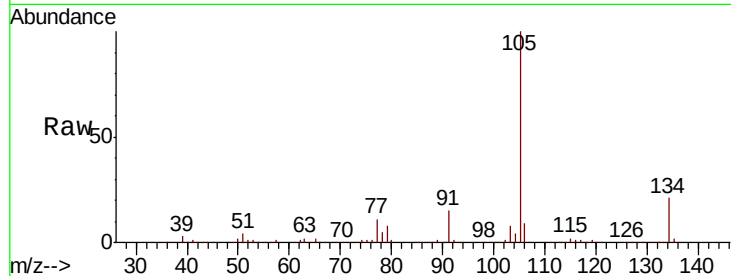
134 20.2 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 48.052 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001080.D

Acq: 26 Dec 2019 18:10

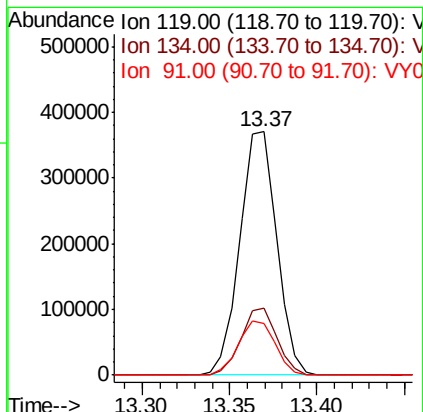
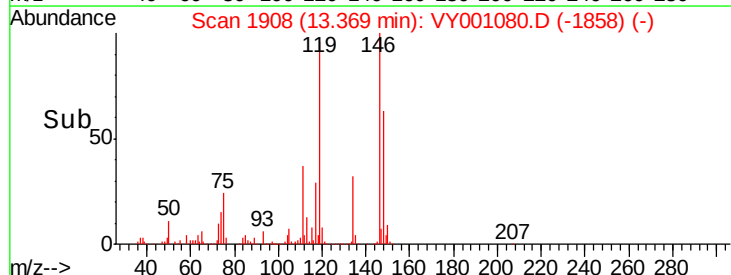
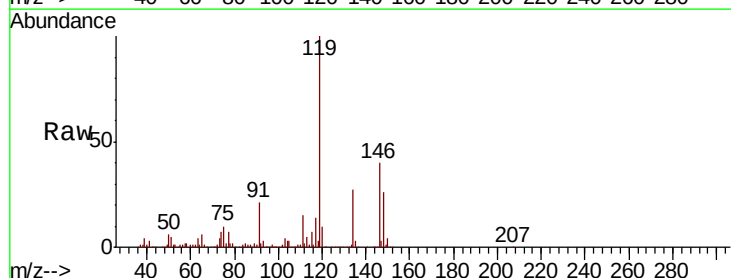
Tgt Ion:119 Resp: 547547

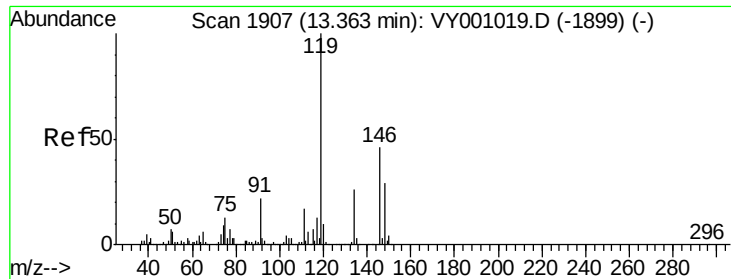
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.3 11.4 34.1





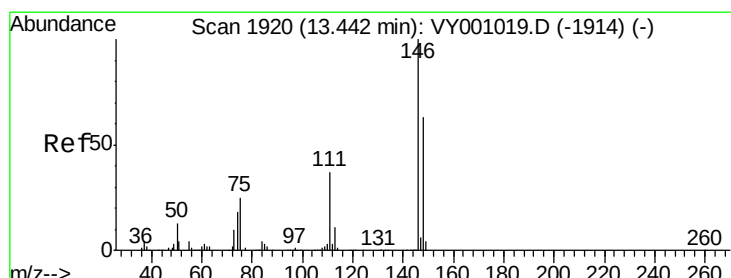
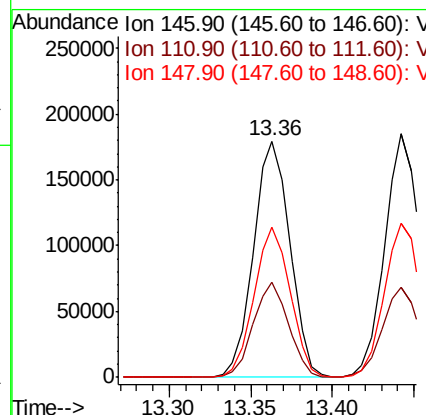
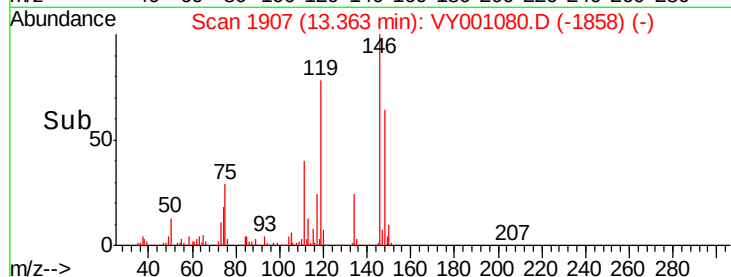
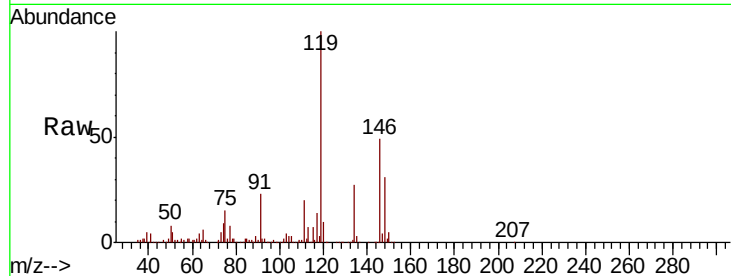
#87
 1,3-Dichlorobenzene
 Concen: 49.761 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.1	31.9	95.5

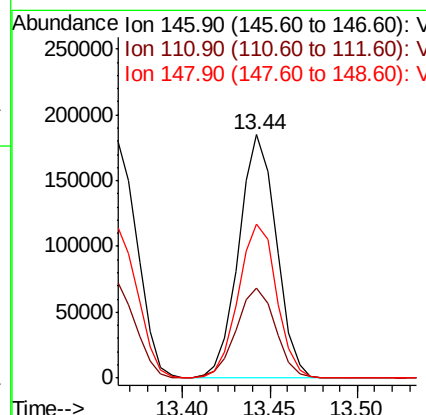
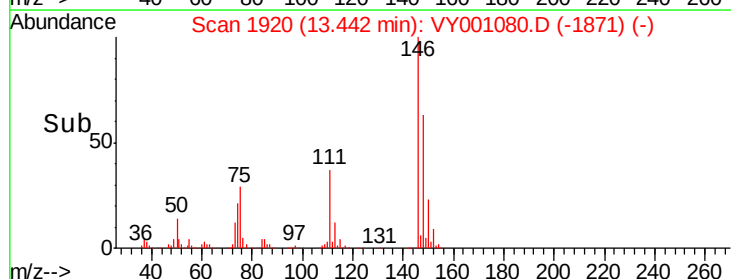
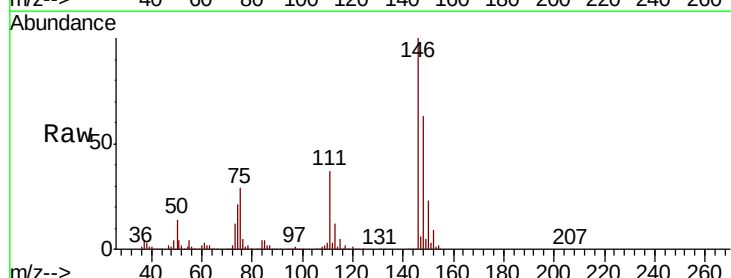
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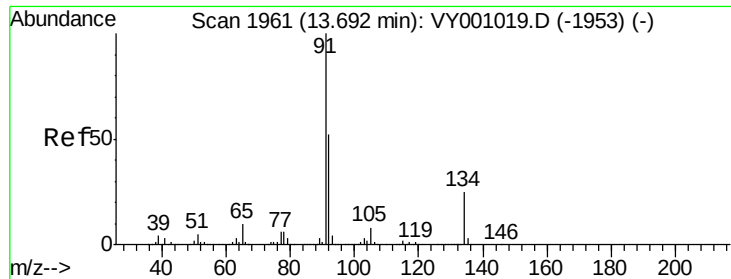
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#88
 1,4-Dichlorobenzene
 Concen: 48.880 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.5	31.8	95.3





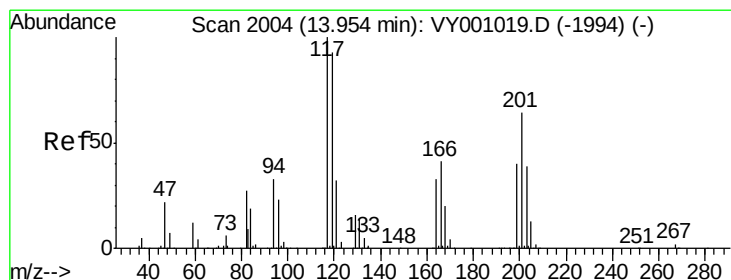
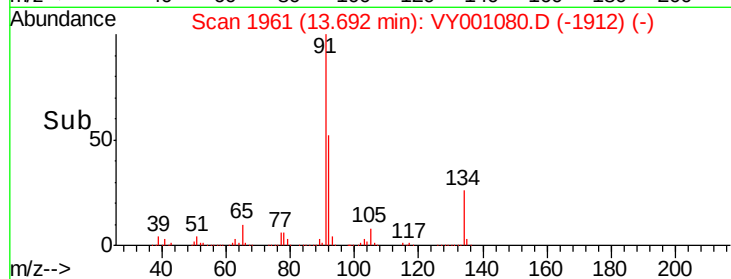
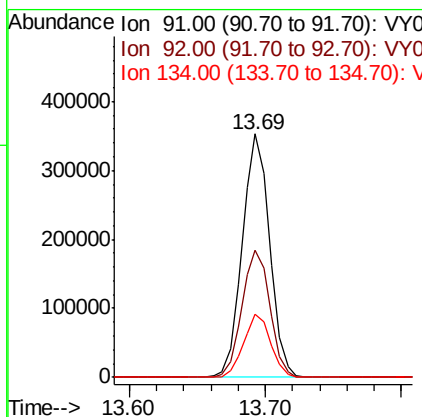
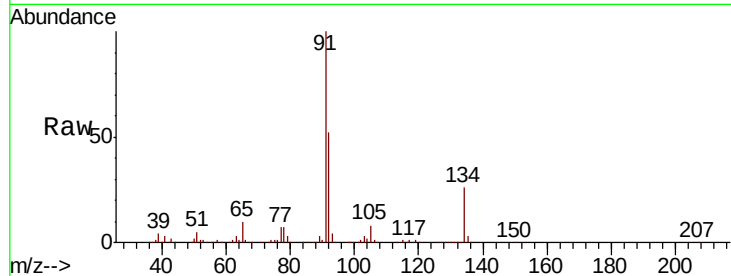
#89
n-Butylbenzene
Concen: 43.114 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.9	80.7
134	25.8	12.7	38.0

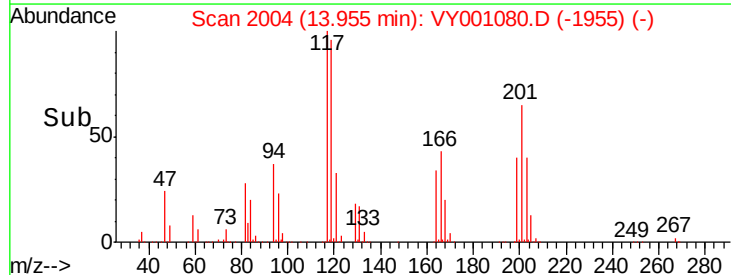
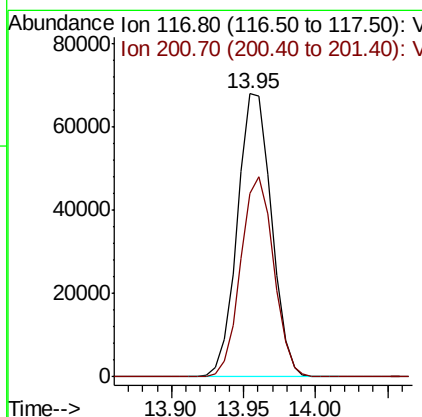
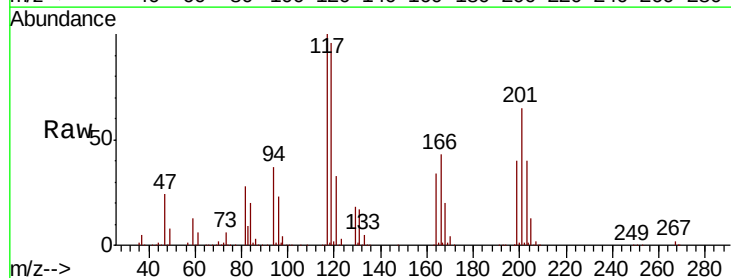
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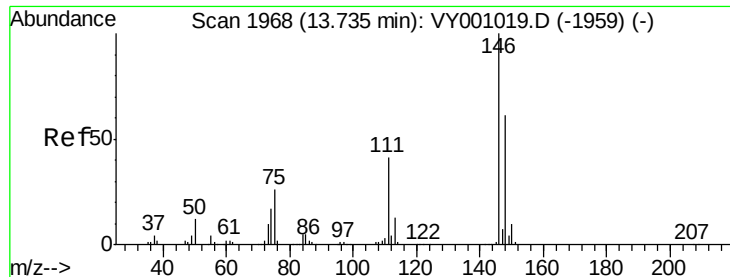
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#90
Hexachloroethane
Concen: 52.010 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	33.7	101.1





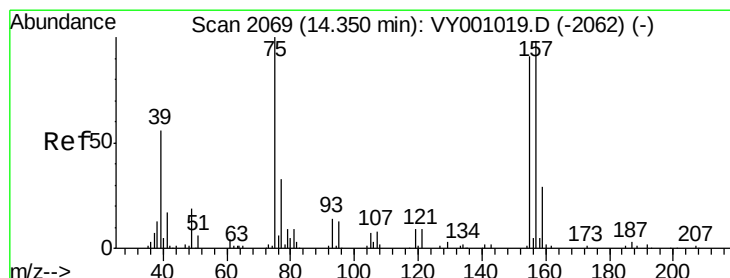
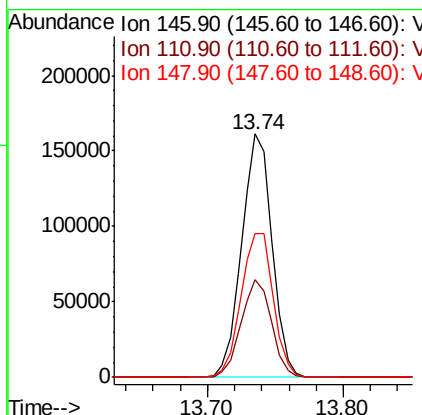
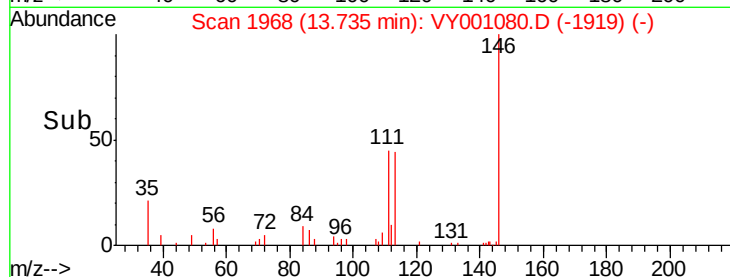
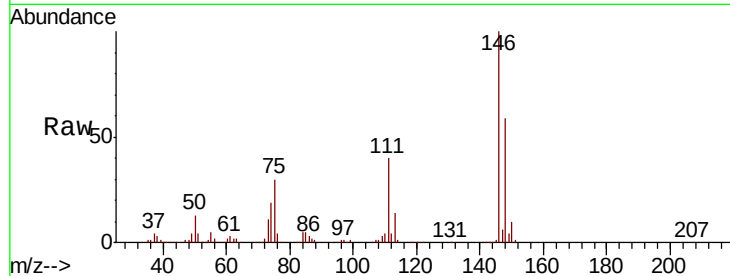
#91
 1,2-Dichlorobenzene
 Concen: 48.580 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.9
148	63.0	31.6	94.7

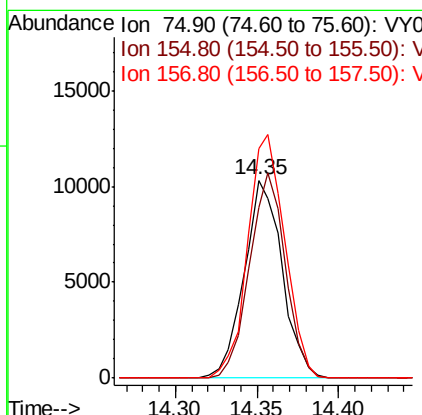
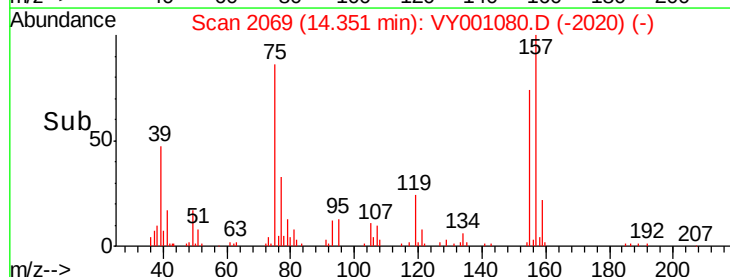
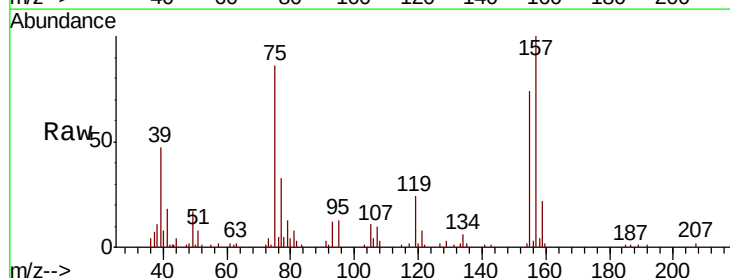
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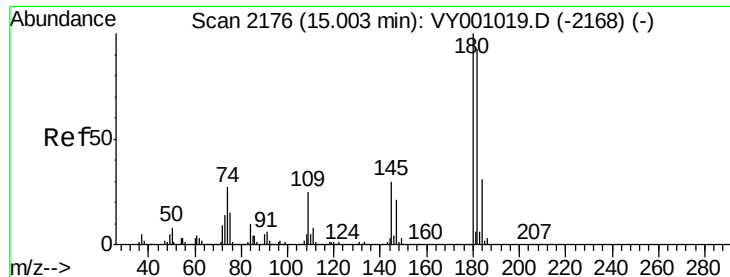
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.067 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	46.3	138.9
157	120.3	58.1	174.4





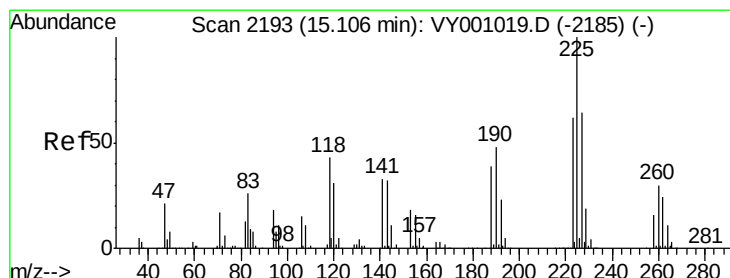
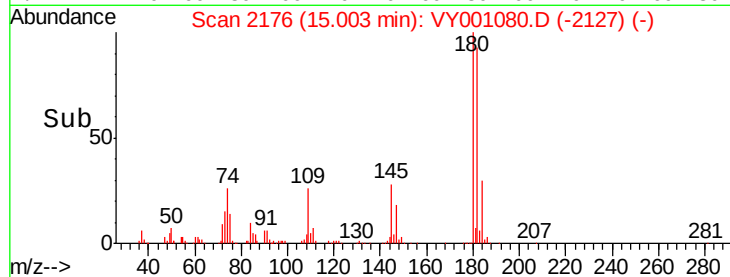
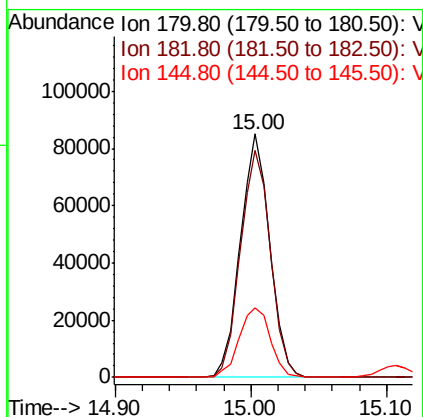
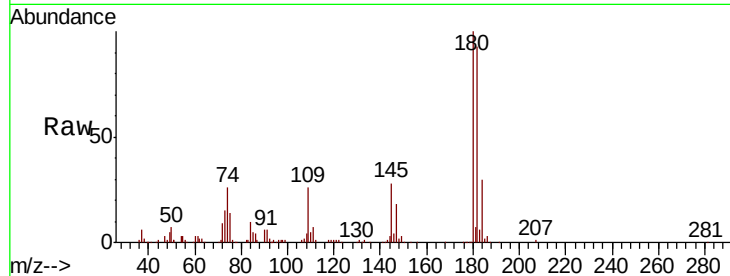
#93
 1,2,4-Trichlorobenzene
 Concen: 36.661 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	46.8	140.3	
145	30.3	15.3	45.9	

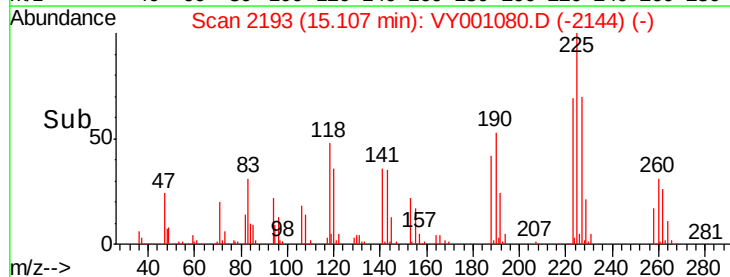
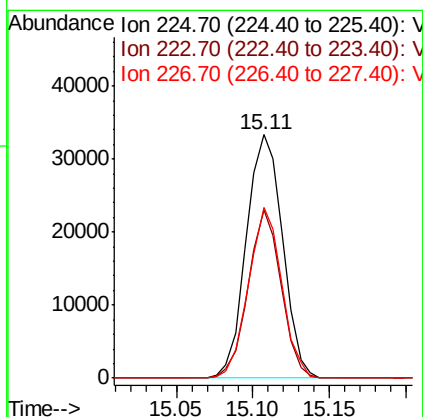
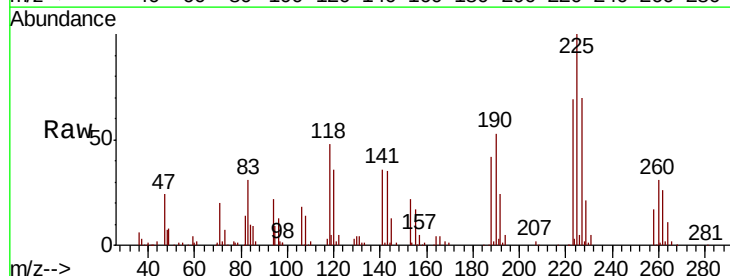
Manual Integrations
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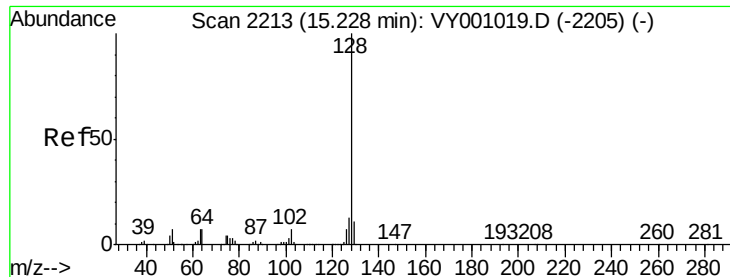
apatel
 12/27/2019 11:05:01 AM



#94
 Hexachlorobutadiene
 Concen: 33.091 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001080.D
 Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	94.8	
227	64.3	31.9	95.5	





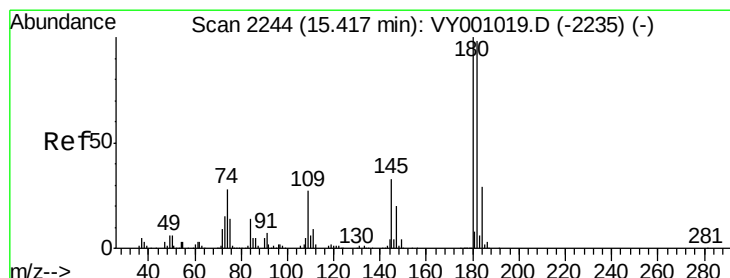
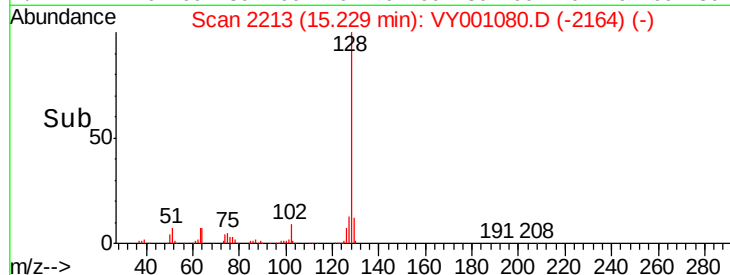
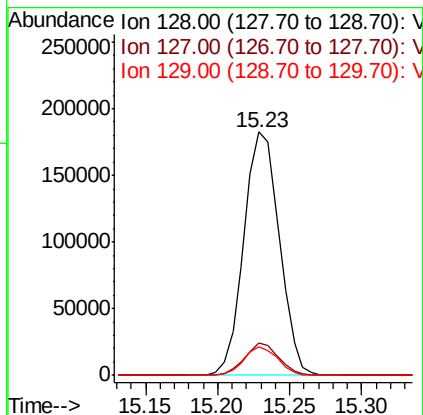
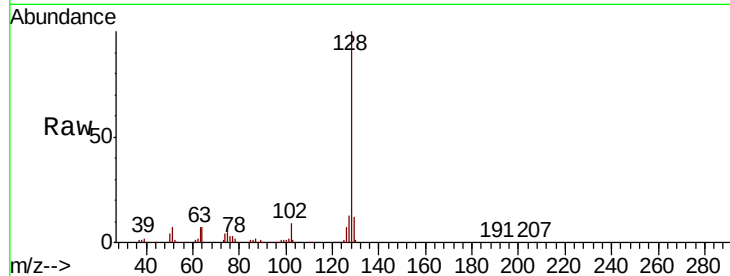
#95
Naphthalene
Concen: 37.918 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	311343		
127	12.7	9.9	14.9	
129	11.2	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 35.235 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001080.D
Acq: 26 Dec 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109712		
182	93.1	47.9	143.8	
145	32.7	16.3	48.9	

