

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002358.D
 Acq On : 16 Apr 2020 11:56
 Operator : SY/MD
 Sample : VY0416SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:10 AM

Quant Time: Apr 17 07:28:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	163217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	292101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	260421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	118104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	82987	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	7.73	113	89397	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.18	98	369011	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.49	95	123194	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30407	18.433	ug/l	97
3) Chloromethane	2.12	50	38994	18.783	ug/l	97
4) Vinyl Chloride	2.26	62	42149	19.074	ug/l	97
5) Bromomethane	2.65	94	26670	19.544	ug/l	92
6) Chloroethane	2.80	64	24867	19.513	ug/l	95
7) Trichlorofluoromethane	3.13	101	56467	19.787	ug/l	99
8) Diethyl Ether	3.54	74	25203	20.774	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40773	21.033	ug/l	97
10) Methyl Iodide	4.10	142	43165	19.157	ug/l	99
11) Tert butyl alcohol	4.97	59	22575	96.146	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	41510	21.062	ug/l	89
13) Acrolein	3.74	56	18914	80.818	ug/l	98
14) Allyl chloride	4.49	41	59219	18.608	ug/l	93
15) Acrylonitrile	5.18	53	59450	95.825	ug/l	100
16) Acetone	3.96	43	43520	91.034	ug/l	94
17) Carbon Disulfide	4.21	76	133077	20.332	ug/l	100
18) Methyl Acetate	4.49	43	26540	17.898	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	101267	19.545	ug/l	96
20) Methylene Chloride	4.73	84	53786	22.890	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	45602	20.615	ug/l	96
22) Diisopropyl ether	6.13	45	122106	19.065	ug/l	98
23) Vinyl Acetate	6.08	43	376538	92.257	ug/l	96
24) 1,1-Dichloroethane	6.04	63	72517	19.906	ug/l	99
25) 2-Butanone	7.00	43	67418	89.111	ug/l	98
26) 2,2-Dichloropropane	6.99	77	58430	19.174	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	49868	20.680	ug/l	94
28) Bromochloromethane	7.35	49	30327	19.285	ug/l	94
29) Tetrahydrofuran	7.36	42	44197	88.376	ug/l	95
30) Chloroform	7.52	83	68263	19.879	ug/l	100
31) Cyclohexane	7.79	56	74514	19.486	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	57576	20.144	ug/l	99
36) 1,1-Dichloropropene	7.92	75	57242	19.895	ug/l	96
37) Ethyl Acetate	7.08	43	29890	18.185	ug/l	96
38) Carbon Tetrachloride	7.91	117	49433	20.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	79656	20.353	ug/l	95
40) Benzene	8.17	78	179932	20.612	ug/l	100
41) Methacrylonitrile	7.33	41	18100m	18.667	ug/l	
42) 1,2-Dichloroethane	8.25	62	40023	18.509	ug/l	95
43) Isopropyl Acetate	8.28	43	54653	18.232	ug/l	96
44) Trichloroethene	8.94	130	52636	20.509	ug/l	94
45) 1,2-Dichloropropane	9.22	63	43017	19.861	ug/l	100
46) Dibromomethane	9.31	93	23071	20.373	ug/l	98
47) Bromodichloromethane	9.50	83	52217	20.096	ug/l	96
48) Methyl methacrylate	9.30	41	23143	17.218	ug/l	90
49) 1,4-Dioxane	9.31	88	5896	368.059	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	141716	90.725	ug/l	97
52) Toluene	10.25	92	109389	20.793	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	55833	19.721	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	68657	20.171	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	35055	21.143	ug/l	98
56) Ethyl methacrylate	10.51	69	46595	19.691	ug/l	92
57) 1,3-Dichloropropane	10.80	76	60158	20.643	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	123797	101.026	ug/l	97
59) 2-Hexanone	10.83	43	98652	90.999	ug/l	96
60) Dibromochloromethane	10.99	129	35957	20.339	ug/l	99
61) 1,2-Dibromoethane	11.09	107	31916	20.221	ug/l	99
64) Tetrachloroethene	10.72	164	54588	20.733	ug/l	93
65) Chlorobenzene	11.52	112	114481	21.148	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	37110	20.763	ug/l	97
67) Ethyl Benzene	11.60	91	205663	20.753	ug/l	100
68) m/p-Xylenes	11.70	106	155028	41.766	ug/l	98
69) o-Xylene	12.03	106	74427	21.358	ug/l	95
70) Styrene	12.05	104	127227	21.043	ug/l	99
71) Bromoform	12.21	173	20241	20.825	ug/l #	100
73) Isopropylbenzene	12.33	105	193602	20.866	ug/l	100
74) N-amyl acetate	12.14	43	49087	18.637	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	24493	21.819	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28372m	20.688	ug/l	
77) Bromobenzene	12.61	156	43553	21.336	ug/l	95
78) n-propylbenzene	12.67	91	237409	20.573	ug/l	100
79) 2-Chlorotoluene	12.76	91	130230	20.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	161543	21.052	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	13802	19.574	ug/l	99
82) 4-Chlorotoluene	12.86	91	134858	20.517	ug/l	99
83) tert-Butylbenzene	13.08	119	135370	21.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	159980	20.878	ug/l	100
85) sec-Butylbenzene	13.25	105	201441	21.038	ug/l	100
86) p-Isopropyltoluene	13.37	119	174552	21.181	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	83980	21.228	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	81831	20.377	ug/l	98
89) n-Butylbenzene	13.70	91	174335	20.639	ug/l	100
90) Hexachloroethane	13.96	117	31438	20.020	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	75868	21.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5068	18.667	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48136	20.486	ug/l	98
94) Hexachlorobutadiene	15.11	225	24114	20.376	ug/l	96
95) Naphthalene	15.24	128	101109	19.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41441	20.312	ug/l	99

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

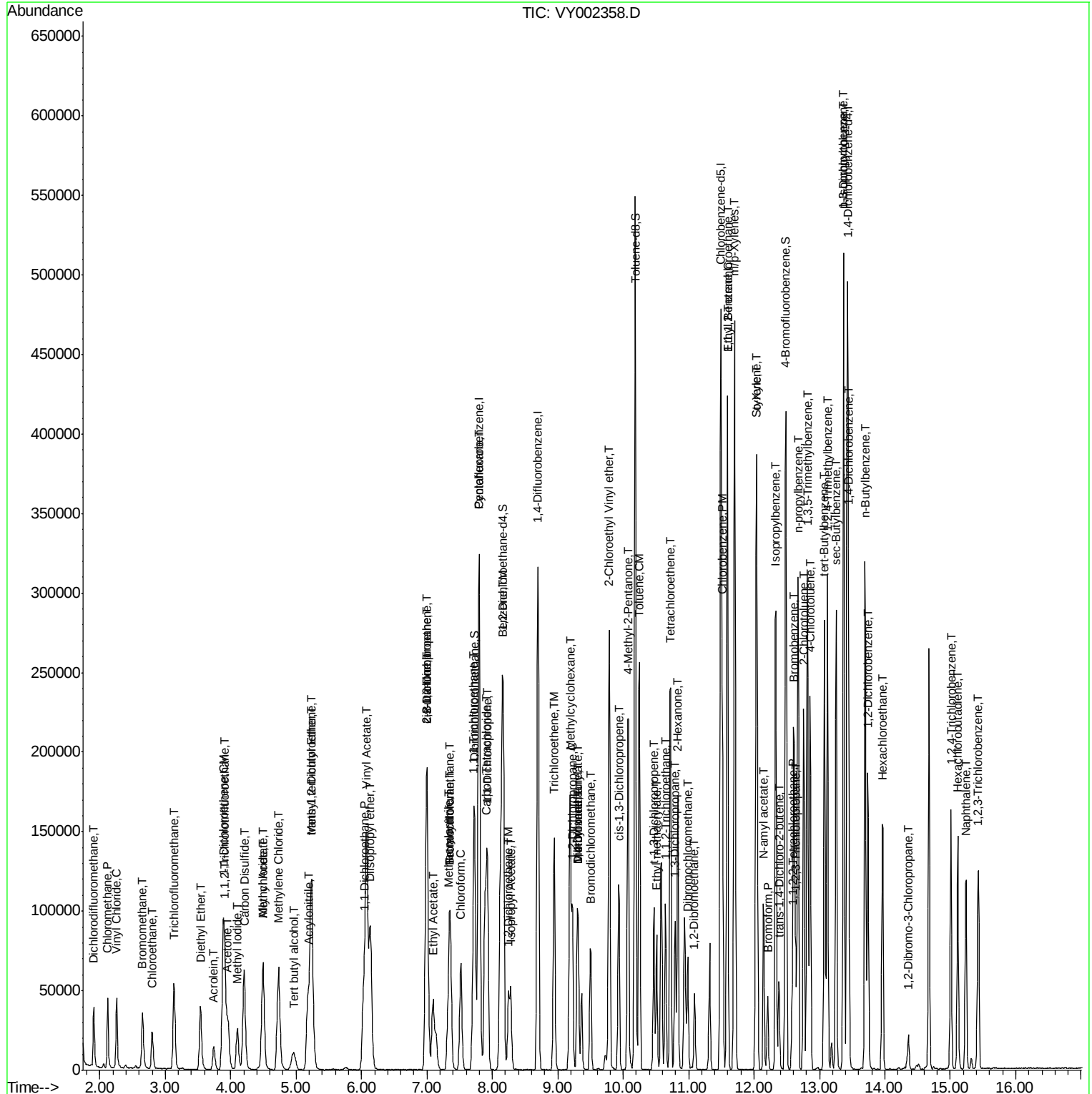
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Data File : VY002358.D
Acq On : 16 Apr 2020 11:56
Operator : SY/MD
Sample : VY0416SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

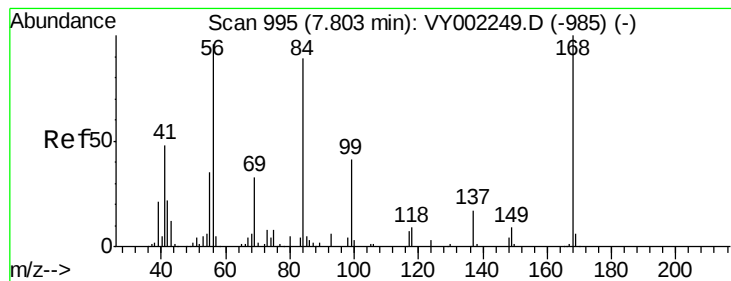
Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:168 Resp: 163217

Ion Ratio Lower Upper

168 100

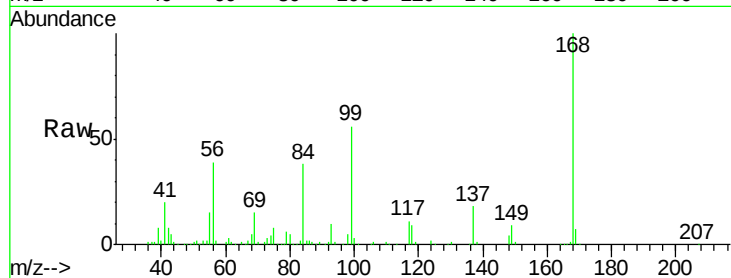
99 56.2 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.80

60000

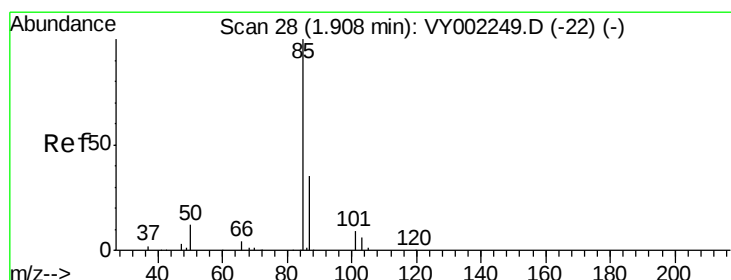
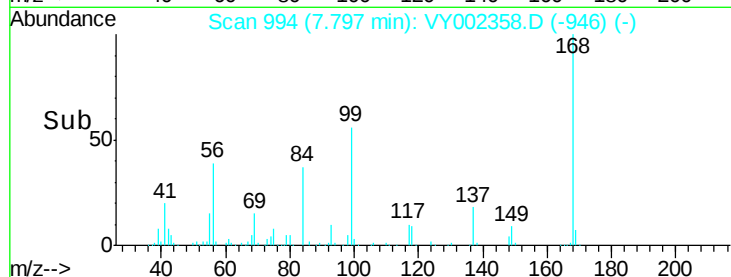
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.433 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002358.D

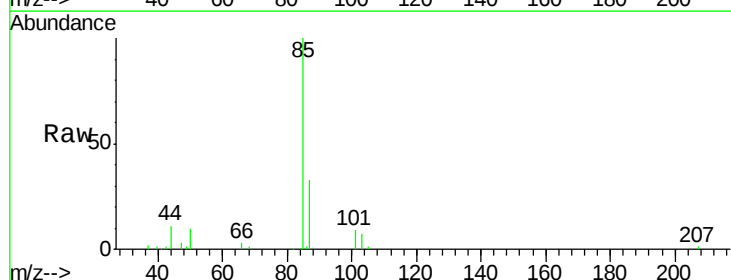
Acq: 16 Apr 2020 11:56

Tgt Ion: 85 Resp: 30407

Ion Ratio Lower Upper

85 100

87 32.9 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

25000

20000

15000

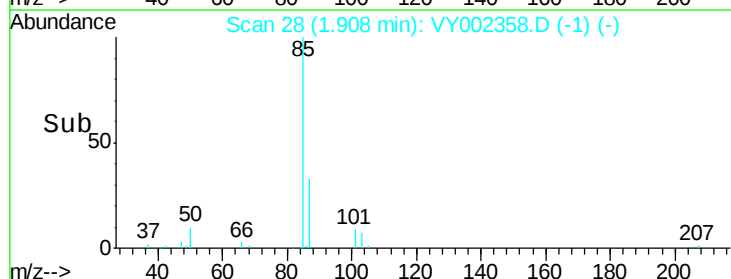
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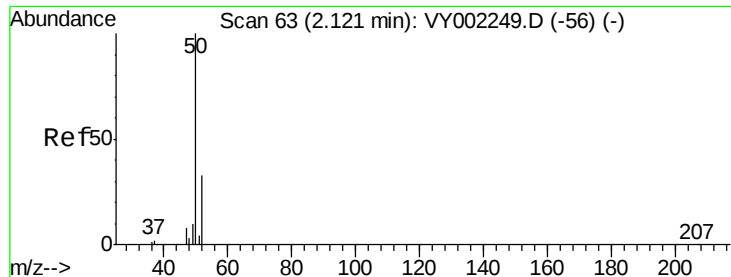
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.783 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 50 Resp: 38994

Ion Ratio Lower Upper

50 100

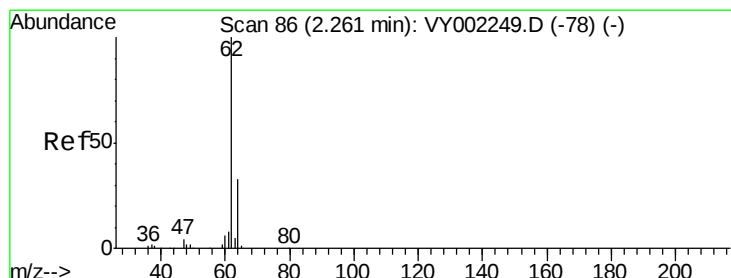
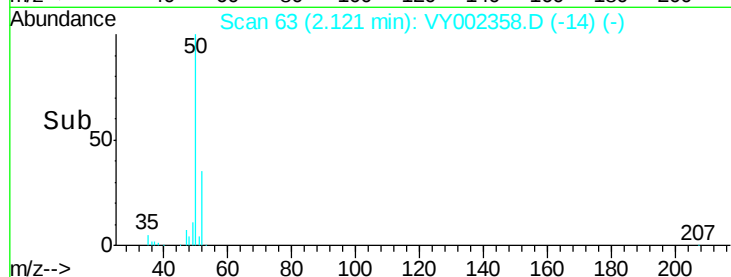
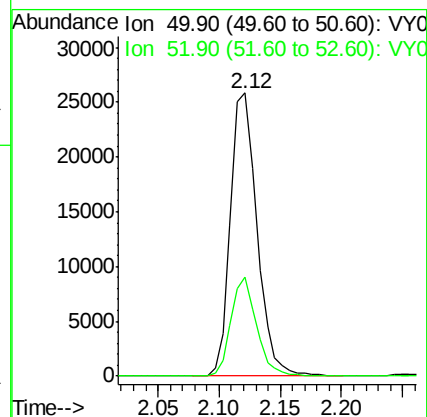
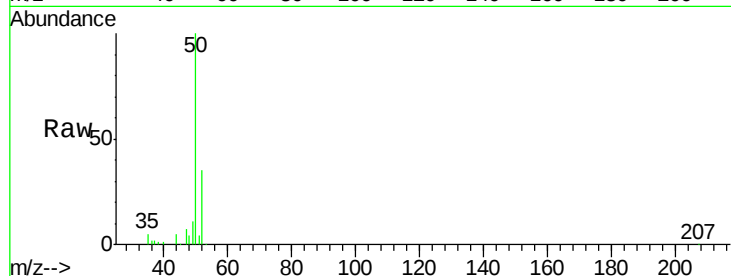
52 35.2 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.074 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002358.D

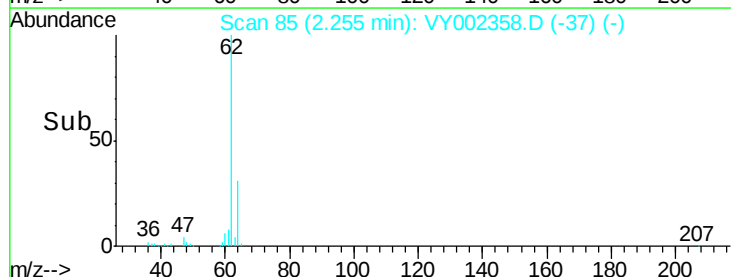
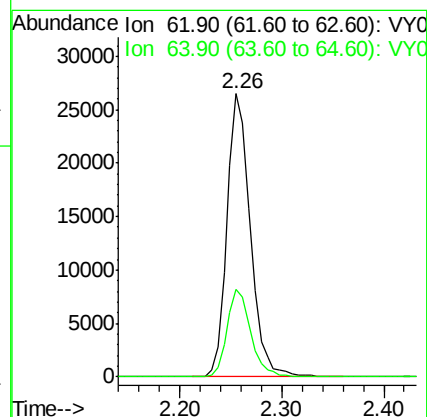
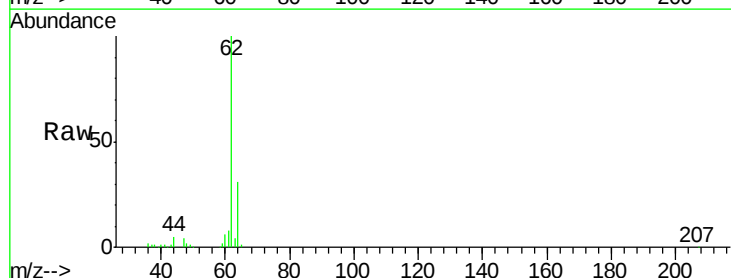
Acq: 16 Apr 2020 11:56

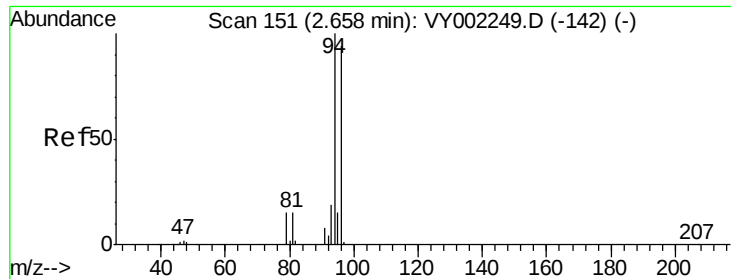
Tgt Ion: 62 Resp: 42149

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.2





#5

Bromomethane

Concen: 19.544 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 94 Resp: 26670

Ion Ratio Lower Upper

94 100

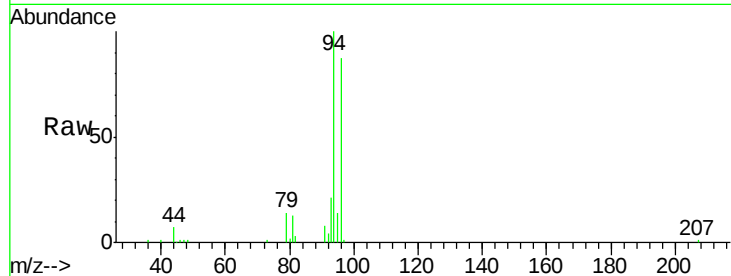
96 86.9 75.6 113.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

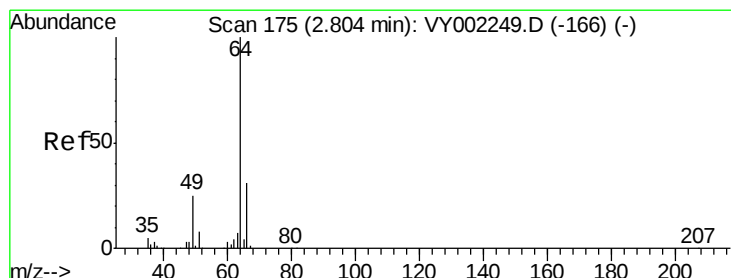
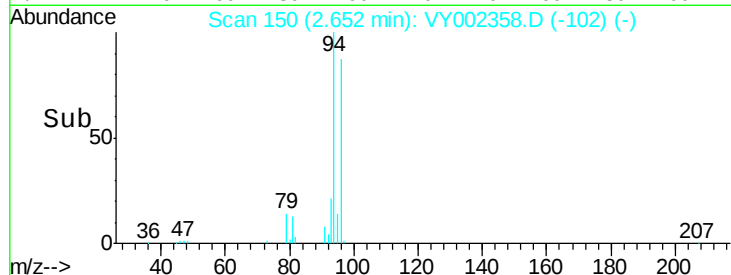
2.65

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.513 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002358.D

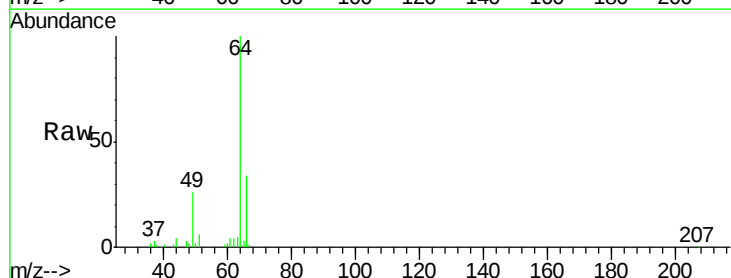
Acq: 16 Apr 2020 11:56

Tgt Ion: 64 Resp: 24867

Ion Ratio Lower Upper

64 100

66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

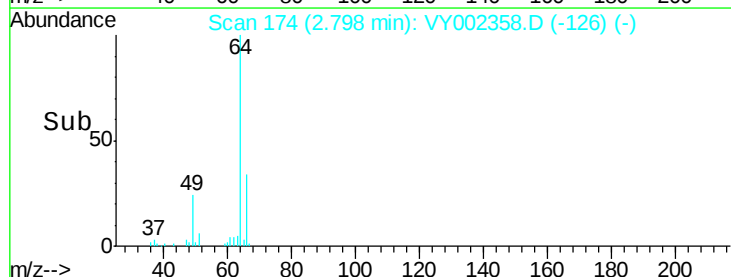
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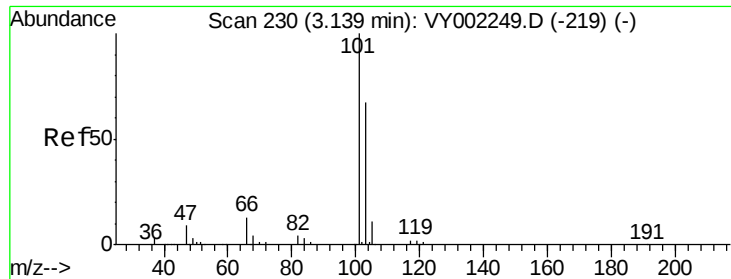
2.80

5000

0

Time-->





#7

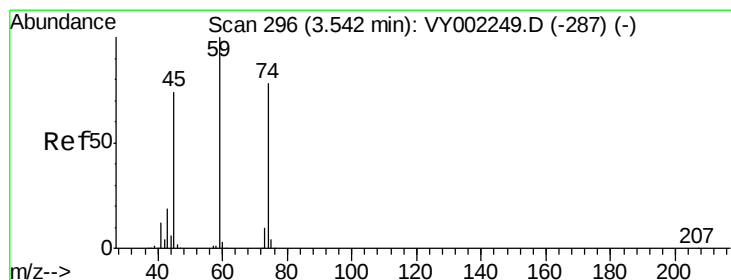
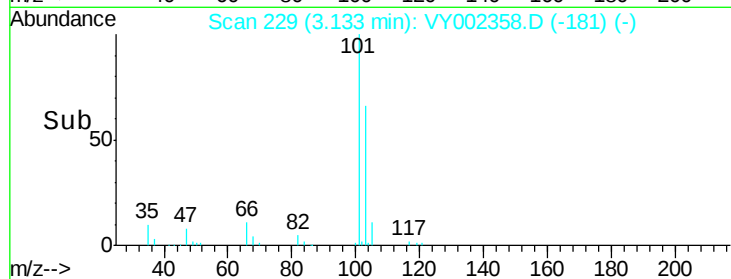
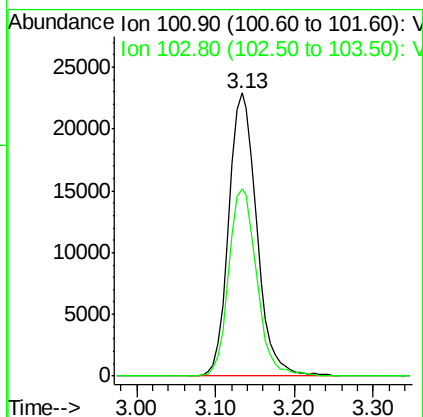
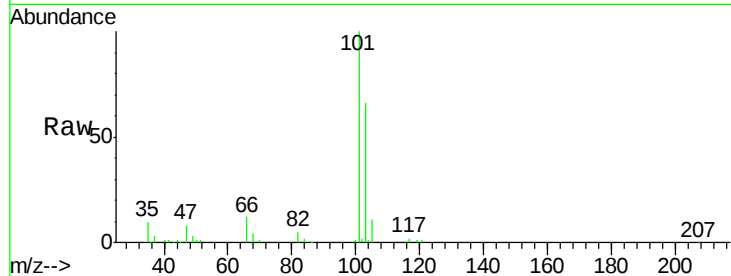
Trichlorofluoromethane
 Concen: 19.787 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	53.3	79.9

Manual Integrations
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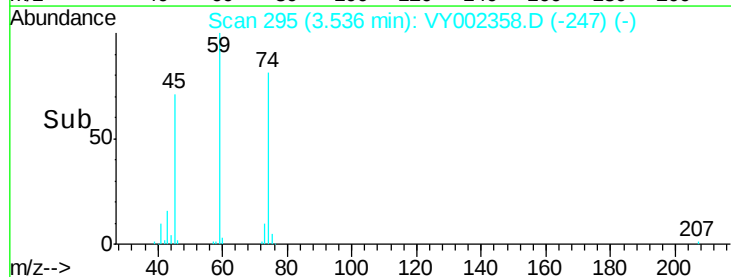
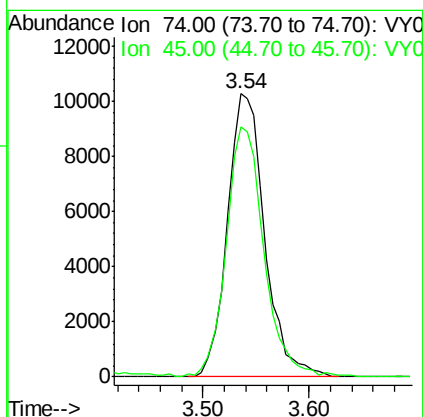
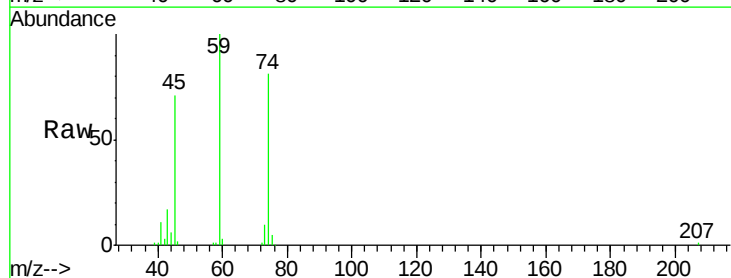
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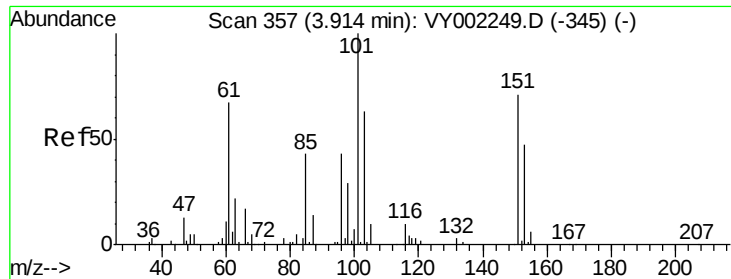


#8

Diethyl Ether
 Concen: 20.774 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.033 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY002358.D

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MSVOA_Y

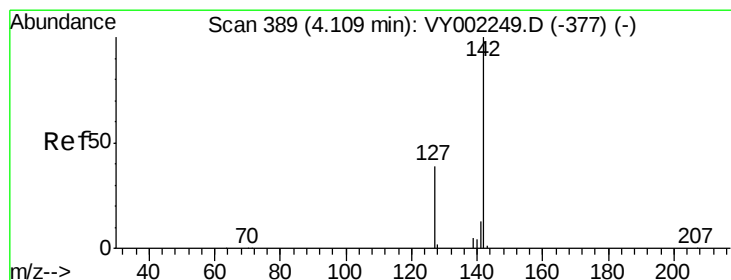
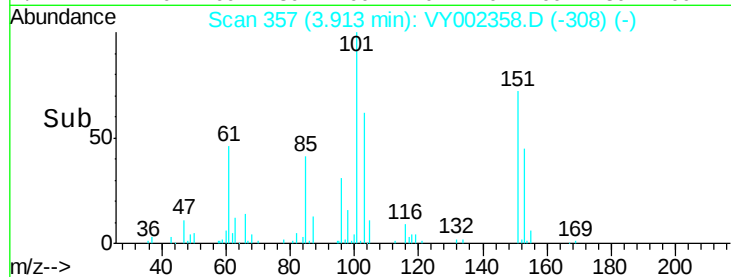
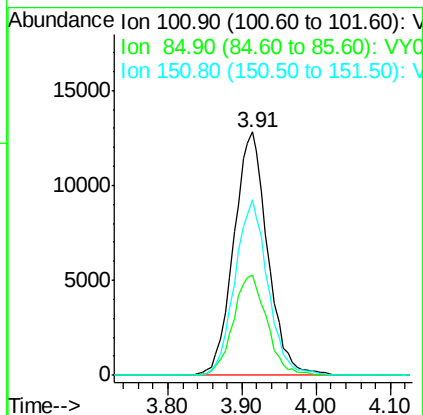
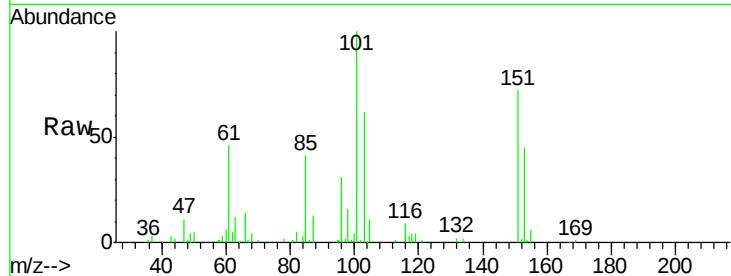
ClientSampleId :

VY0416SBS01

Tot Ion:	101	Resp:	40773
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.6	52.0
151	70.4	57.6	86.4

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#10

Methyl Iodide

Concen: 19.157 ug/l

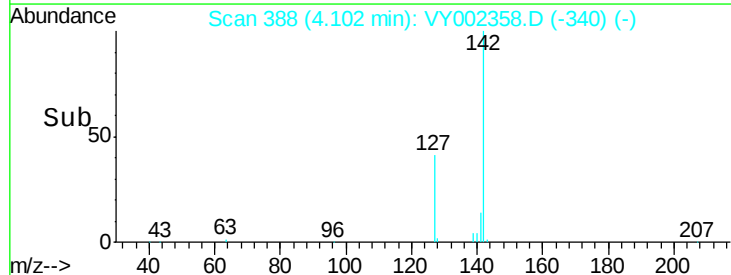
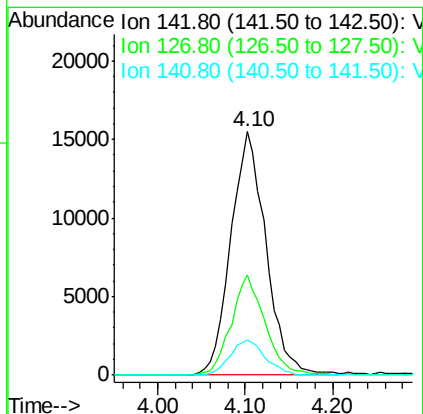
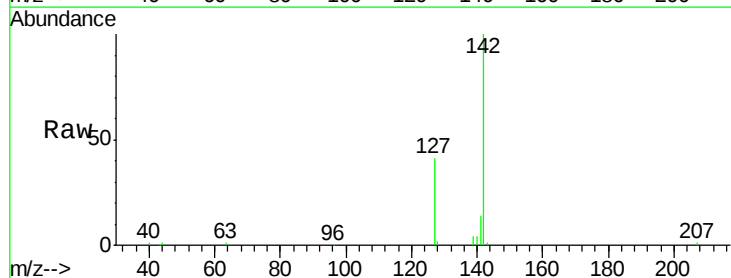
RT: 4.10 min Scan# 388

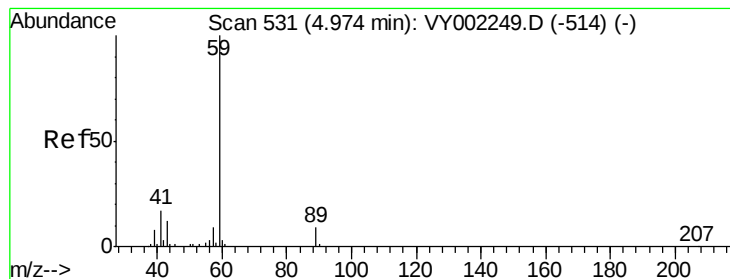
Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	142	Resp:	43165
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.4	48.6
141	14.2	11.2	16.8





#11

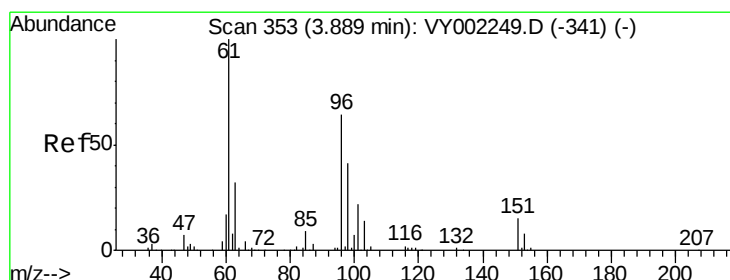
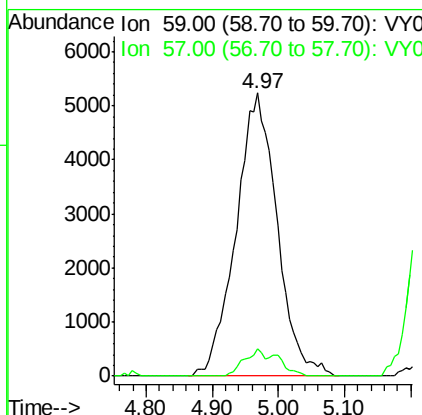
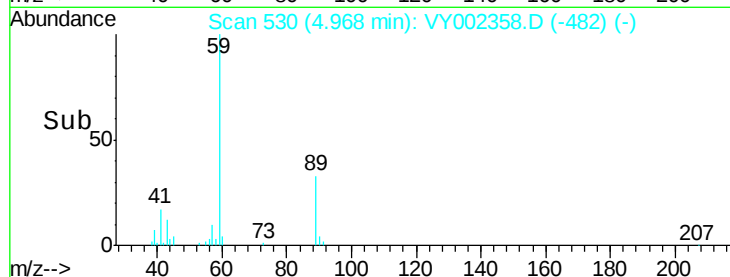
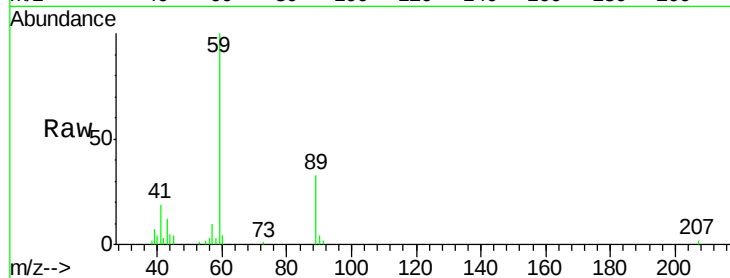
Tert butyl alcohol
Concen: 96.146 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 59 Resp: 22575
Ion Ratio Lower Upper
59 100
57 4.7 6.6 9.8#

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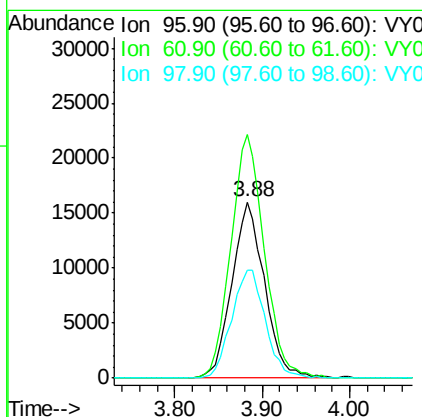
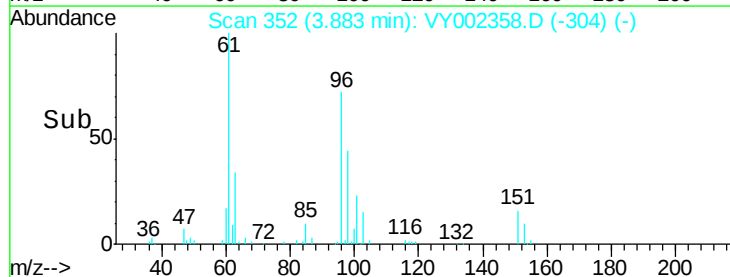
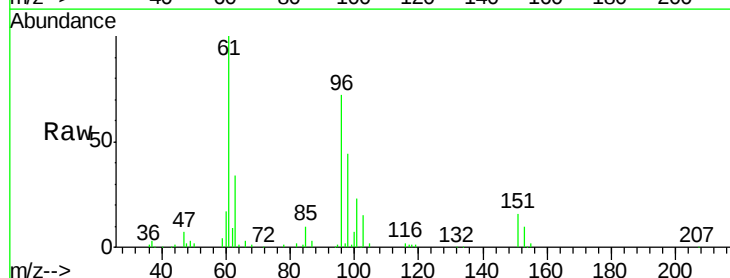
MMDadoda
4/17/2020 11:52:10 AM

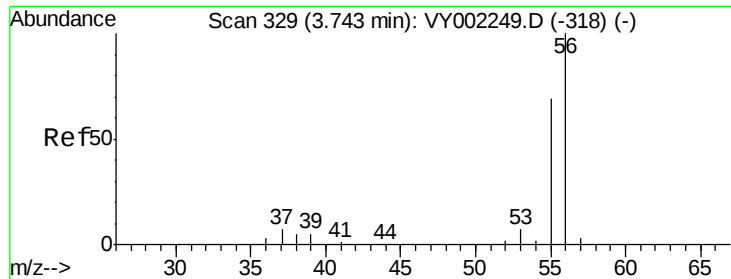


#12

1,1-Dichloroethene
Concen: 21.062 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 96 Resp: 41510
Ion Ratio Lower Upper
96 100
61 138.4 125.9 188.9
98 61.1 51.1 76.7





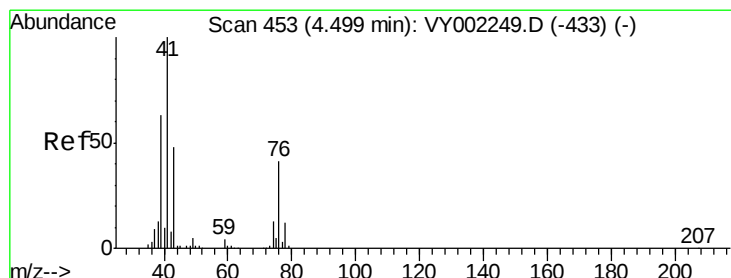
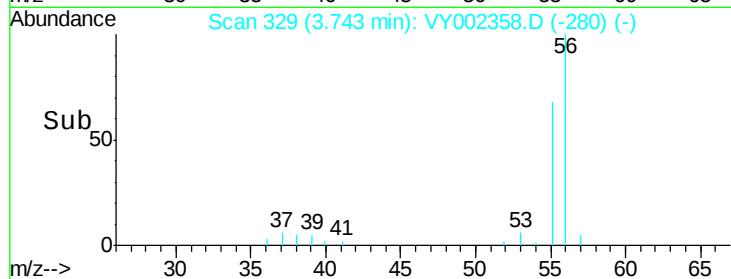
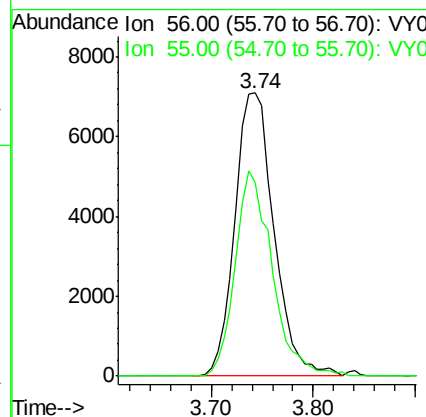
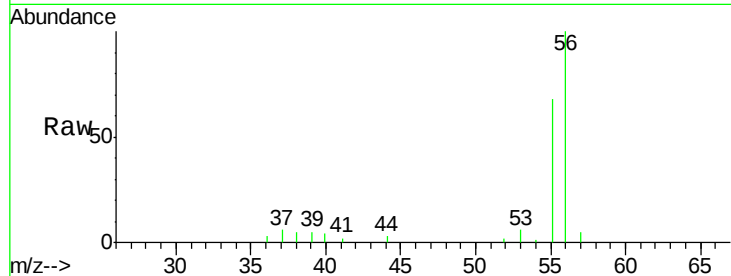
#13
Acrolein
Concen: 80.818 ug/l
RT: 3.74 min Scan# 329
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.4	55.8	83.8	

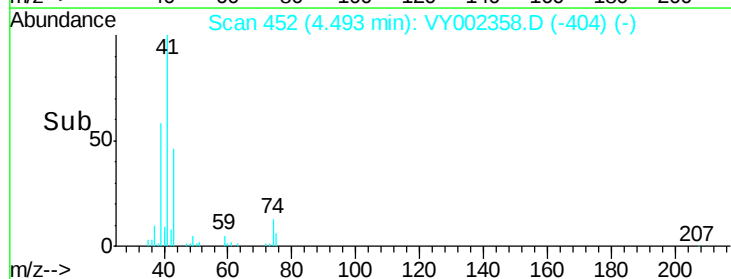
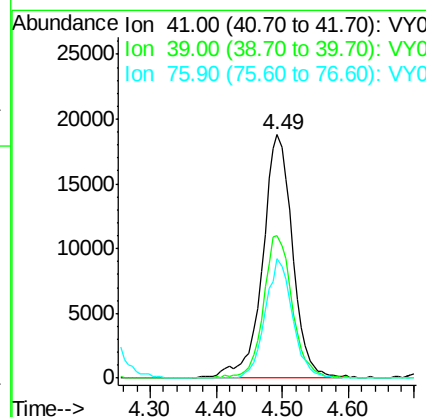
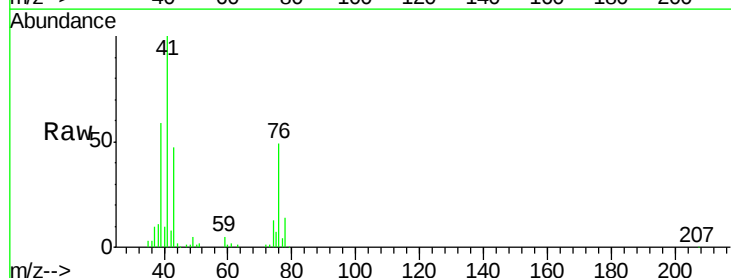
Manual Integrations
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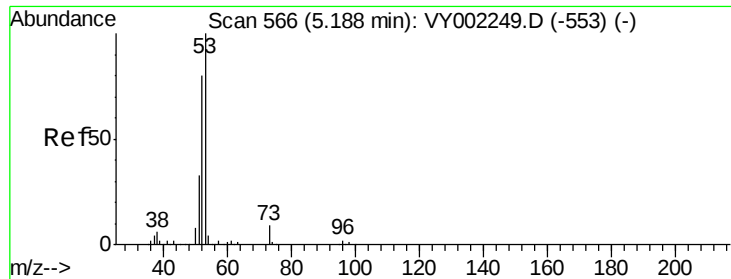
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4/17/2020 11:52:10 AM



#14
Allyl chloride
Concen: 18.608 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	48.0	72.0	
76	44.5	31.0	46.6	





#15

Acrylonitrile

Concen: 95.825 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

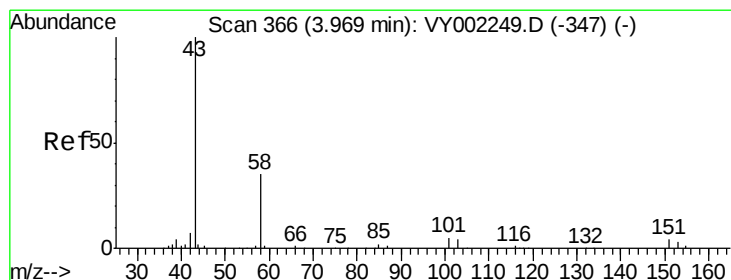
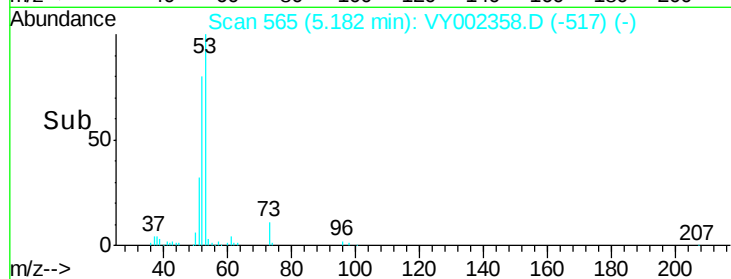
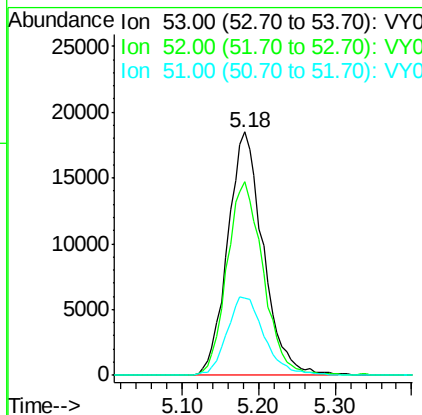
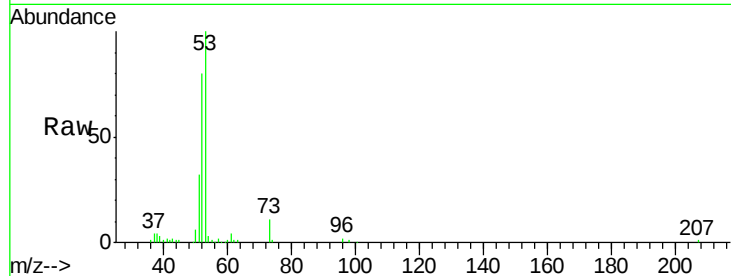
ClientSampleID :

VY0416SBS01

Tot Ion:	53	Resp:	59450
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.1	97.7
51	34.1	27.1	40.7

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#16

Acetone

Concen: 91.034 ug/l

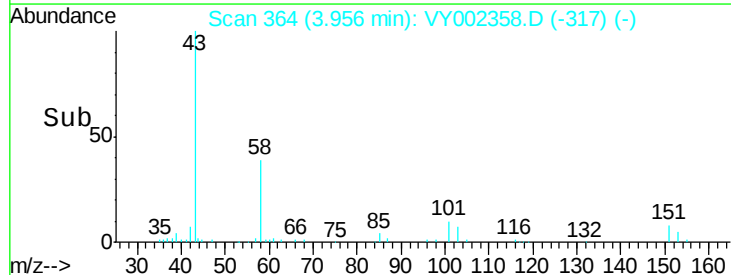
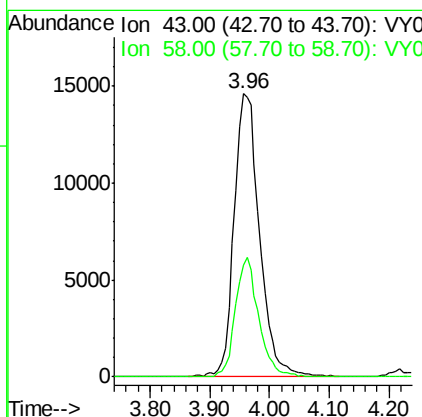
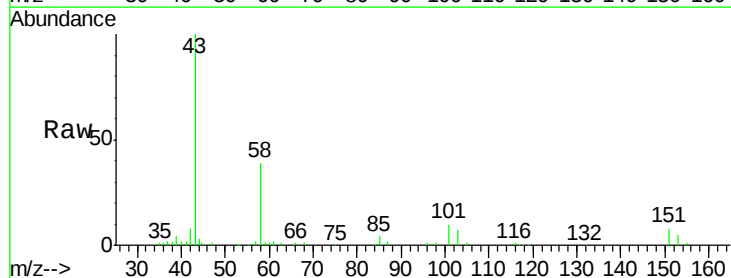
RT: 3.96 min Scan# 364

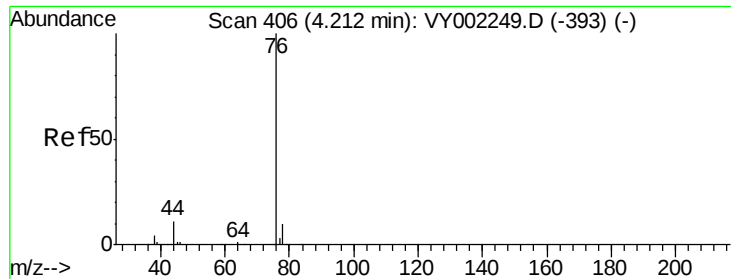
Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	43	Resp:	43520
Ion Ratio	Lower	Upper	
43	100		
58	39.4	28.5	42.7





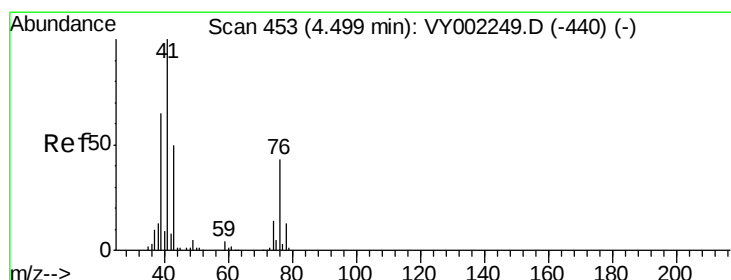
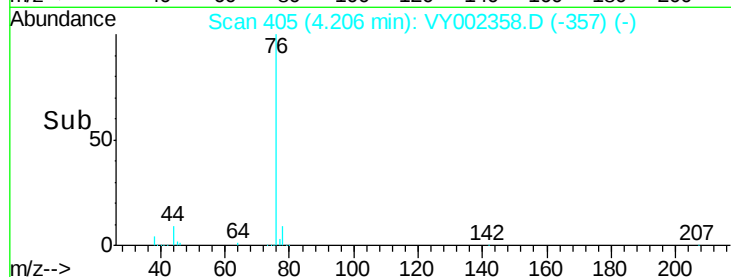
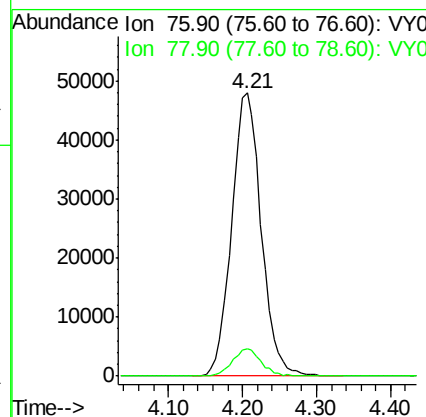
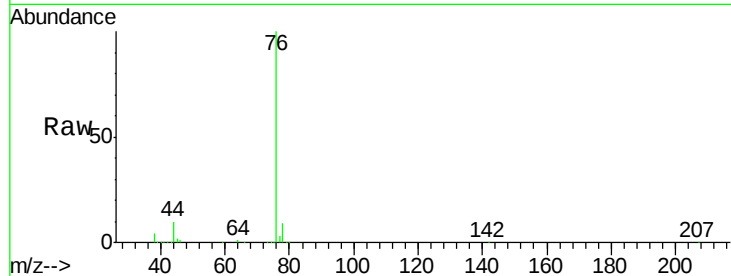
#17
Carbon Disulfide
Concen: 20.332 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.7	11.5

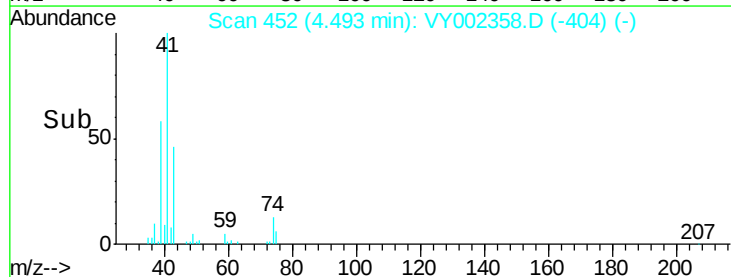
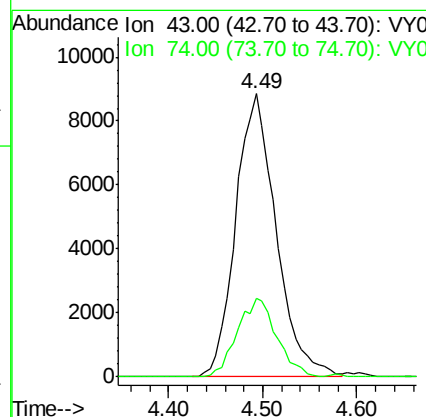
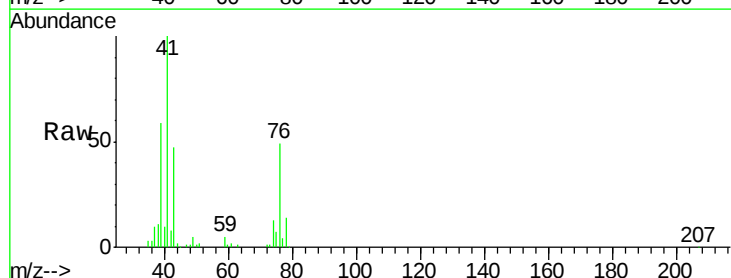
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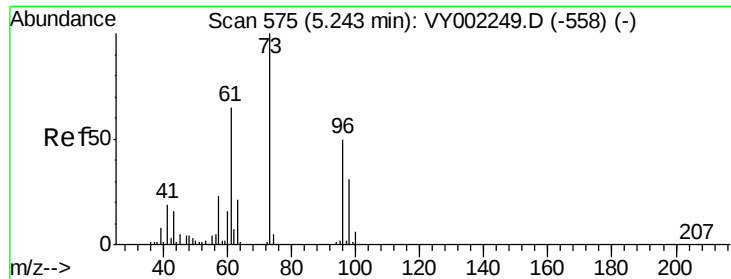
MMDadoda
4/17/2020 11:52:10 AM



#18
Methyl Acetate
Concen: 17.898 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	20.3	30.5





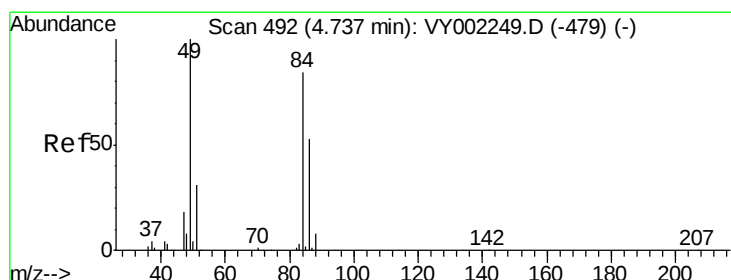
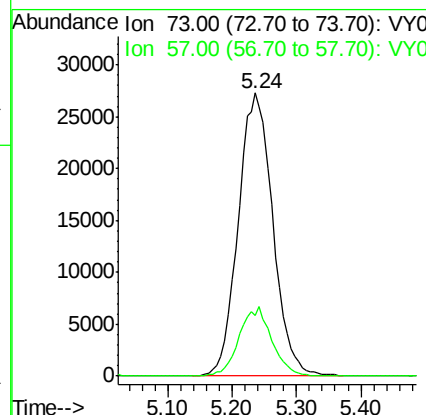
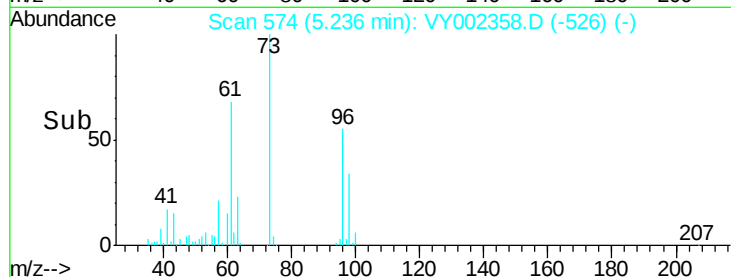
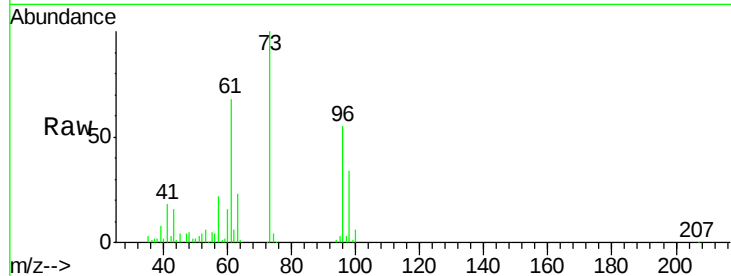
#19
Methyl tert-butyl Ether
Concen: 19.545 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 73 Resp: 101267
Ion Ratio Lower Upper
73 100
57 21.6 18.7 28.1

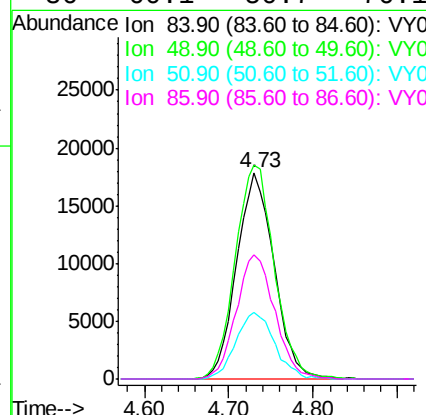
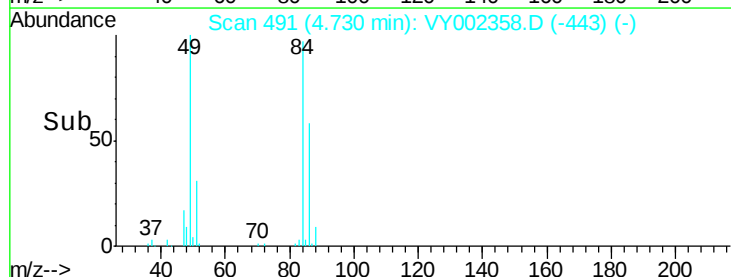
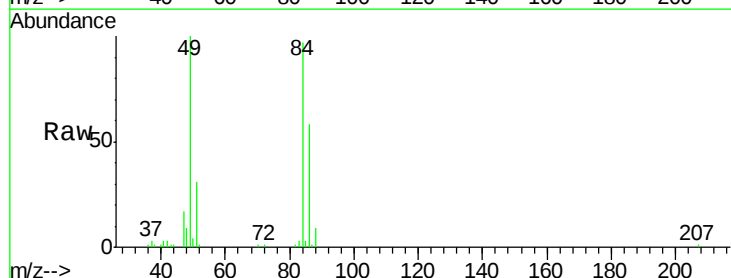
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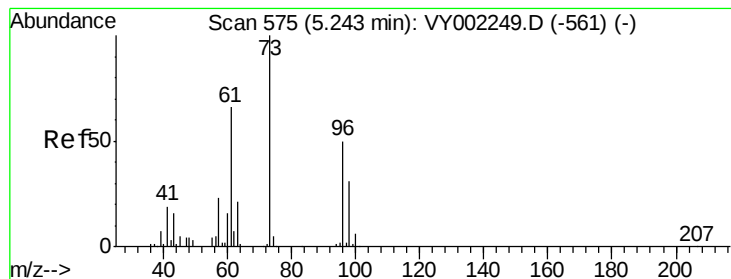
MMDadoda
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#20
Methylene Chloride
Concen: 22.890 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 84 Resp: 53786
Ion Ratio Lower Upper
84 100
49 103.5 95.5 143.3
51 32.0 29.5 44.3
86 60.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.615 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 96 Resp: 45602

Ion Ratio Lower Upper

96 100

61 124.2 104.6 157.0

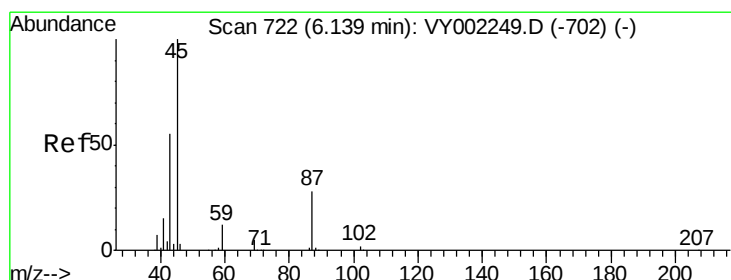
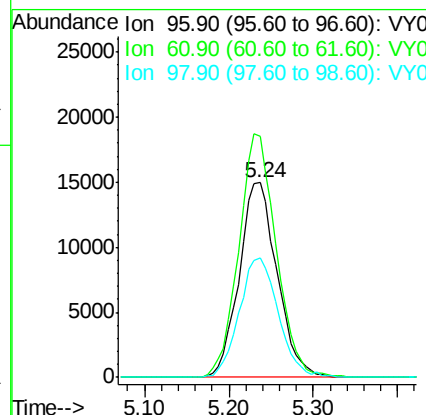
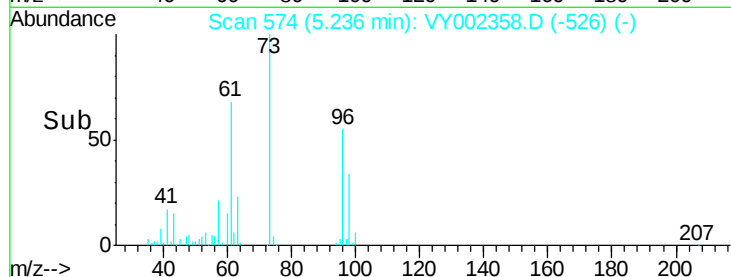
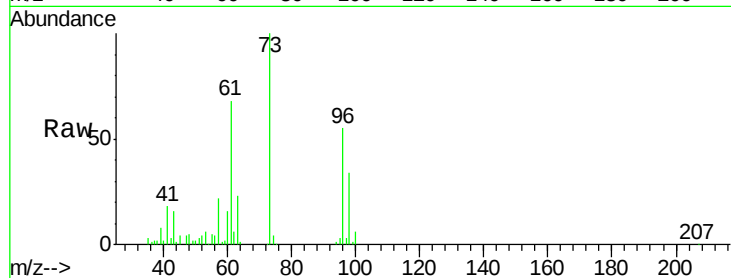
98 61.2 50.1 75.1

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#22

Diisopropyl ether

Concen: 19.065 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Tgt Ion: 45 Resp: 122106

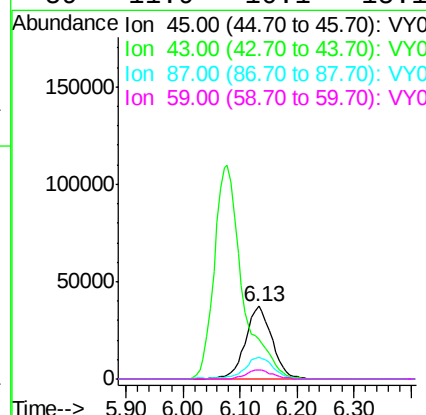
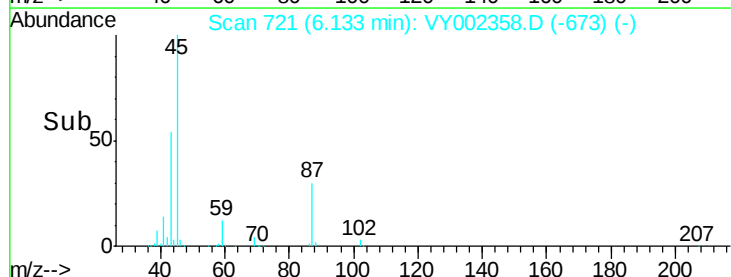
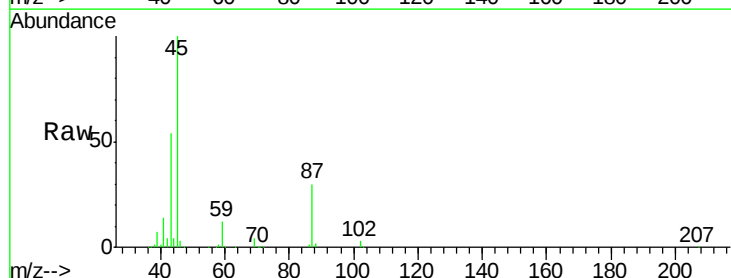
Ion Ratio Lower Upper

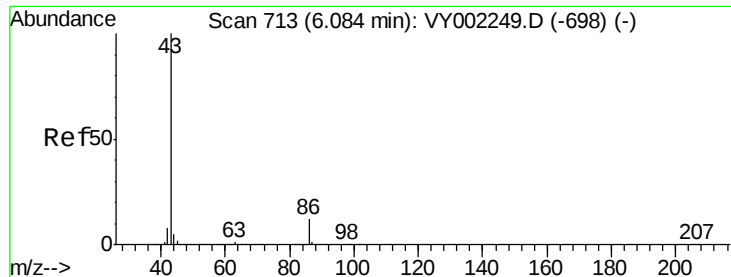
45 100

43 54.1 44.7 67.1

87 29.7 23.0 34.4

59 11.9 10.1 15.1





#23

Vinyl Acetate

Concen: 92.257 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 43 Resp: 376538

Ion Ratio Lower Upper

43 100

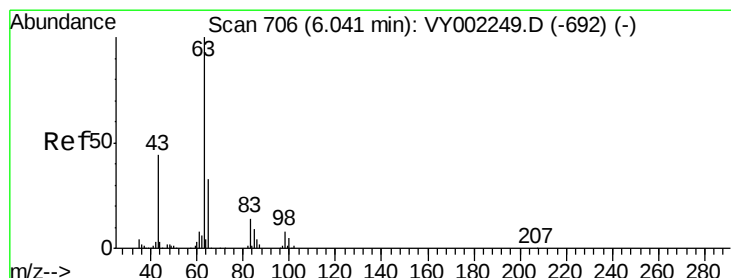
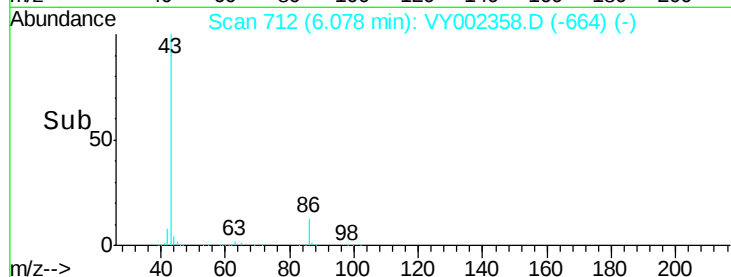
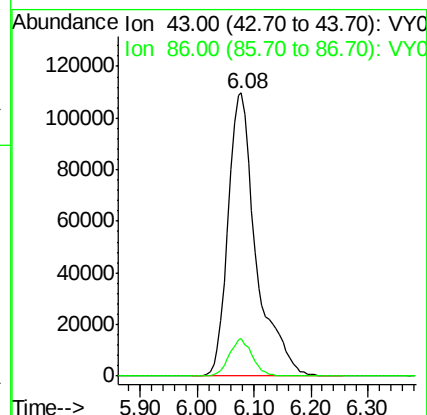
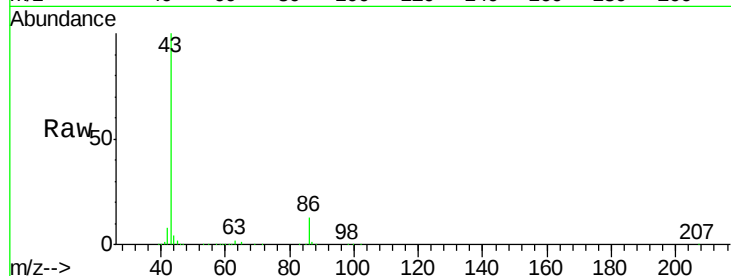
86 13.1 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.906 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

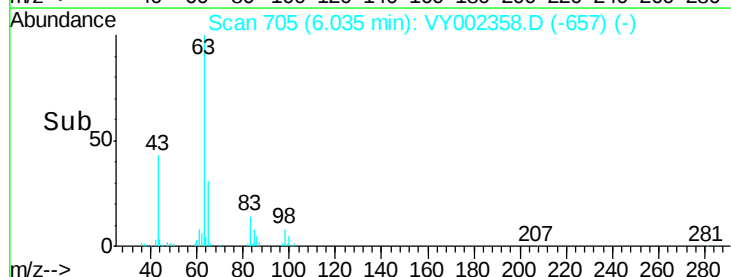
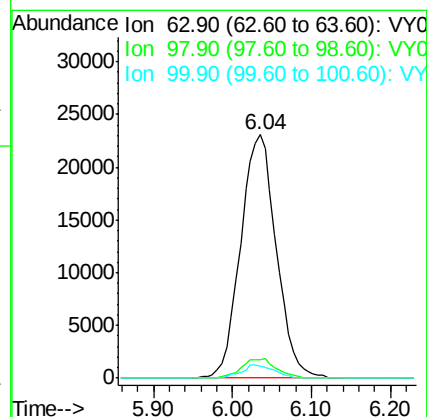
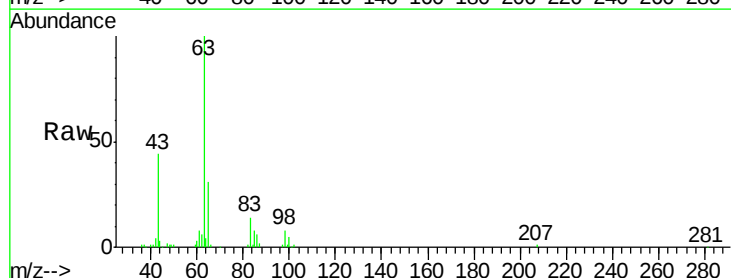
Tgt Ion: 63 Resp: 72517

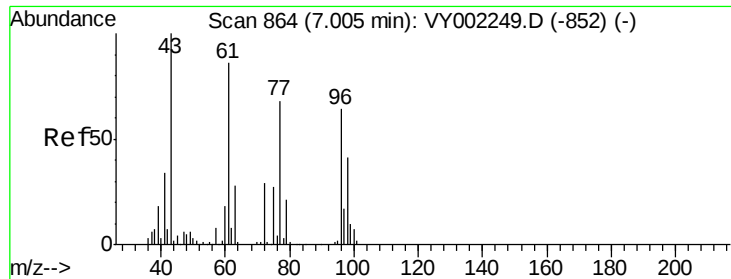
Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 89.111 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 43 Resp: 67418

Ion Ratio Lower Upper

43 100

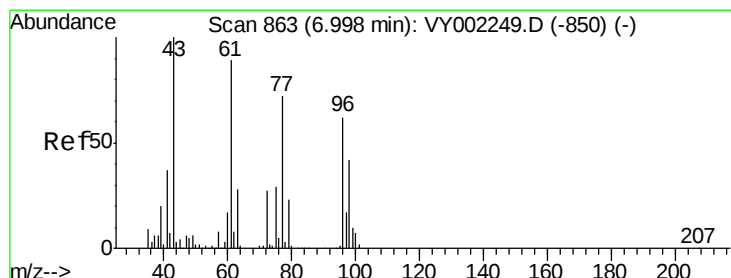
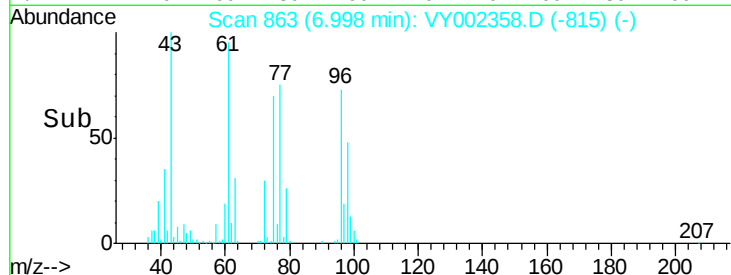
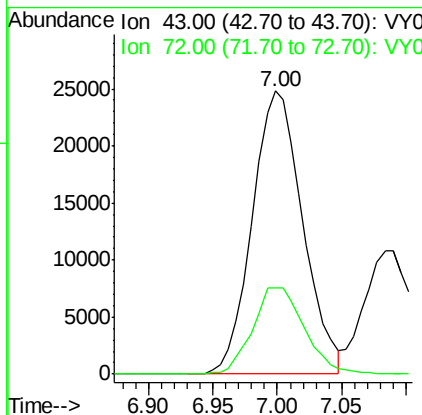
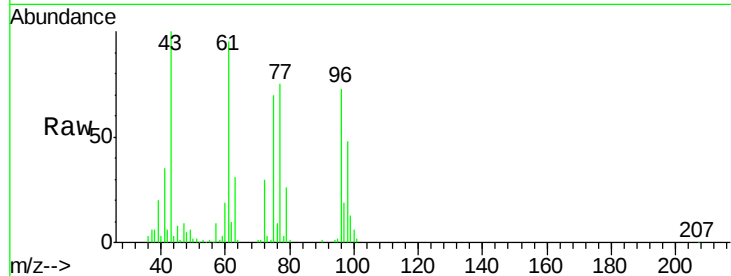
72 30.3 23.2 34.8

Manual Integrations

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MMDadoda

4/17/2020 11:52:10 AM



#26

2,2-Dichloropropane

Concen: 19.174 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002358.D

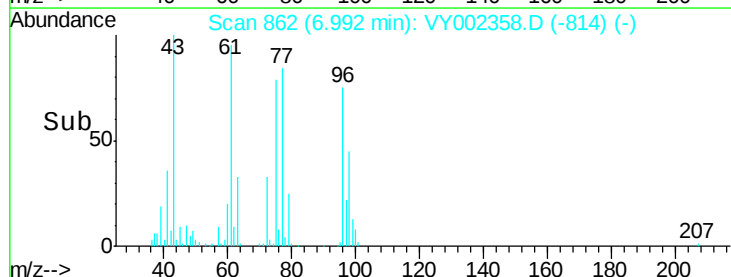
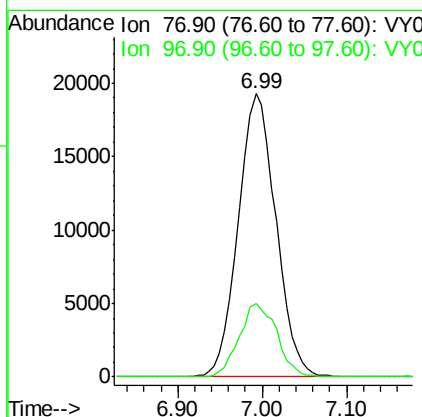
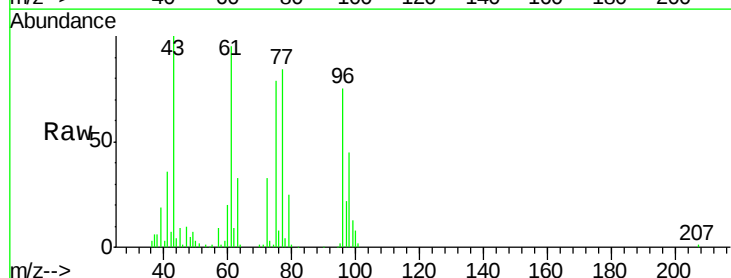
Acq: 16 Apr 2020 11:56

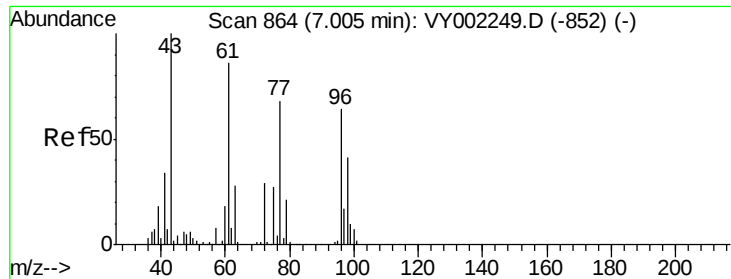
Tgt Ion: 77 Resp: 58430

Ion Ratio Lower Upper

77 100

97 25.9 12.2 36.6





#27

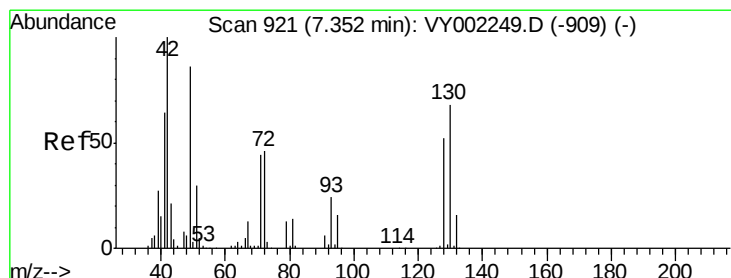
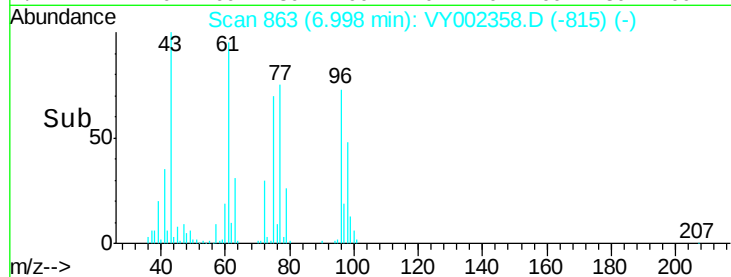
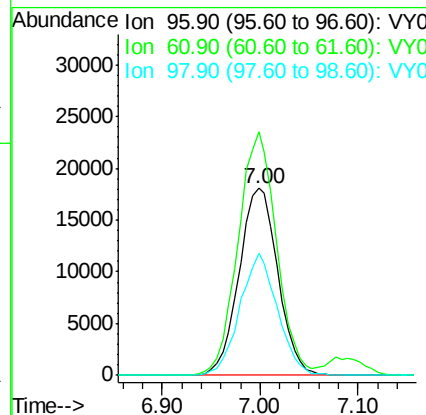
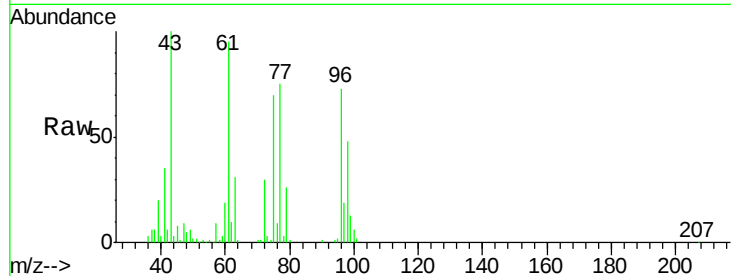
cis-1,2-Dichloroethene
Concen: 20.680 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	49868		
61	128.5		0.0	278.0
98	62.9		0.0	128.6

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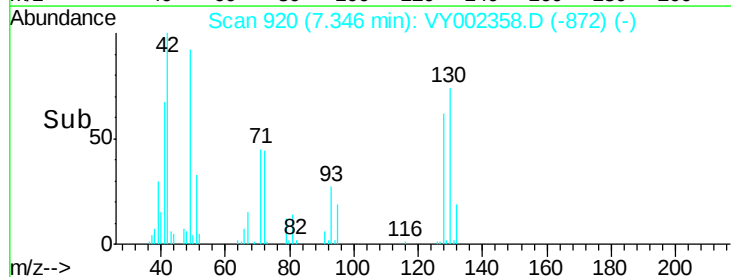
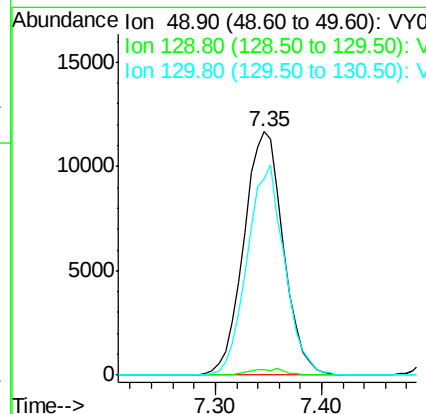
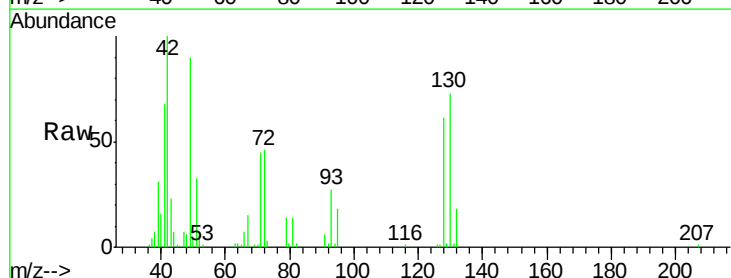
MMDadoda
4/17/2020 11:52:10 AM

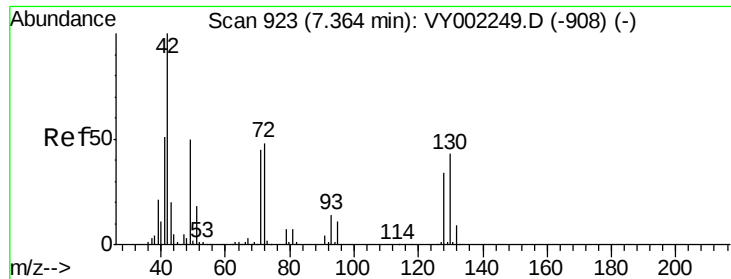


#28

Bromochloromethane
Concen: 19.285 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30327		
129	2.2		0.0	4.2
130	81.8		60.9	91.3





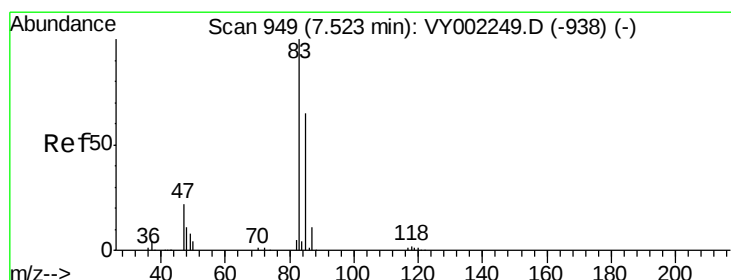
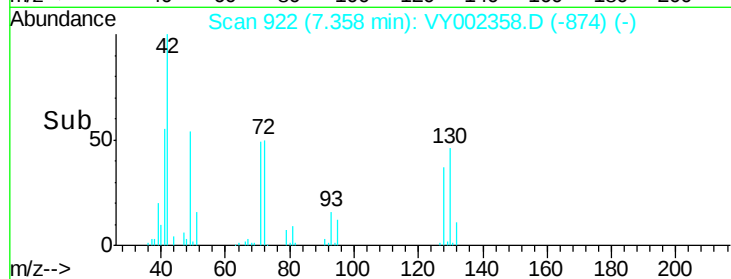
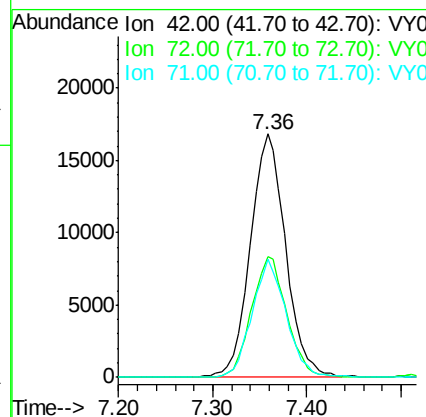
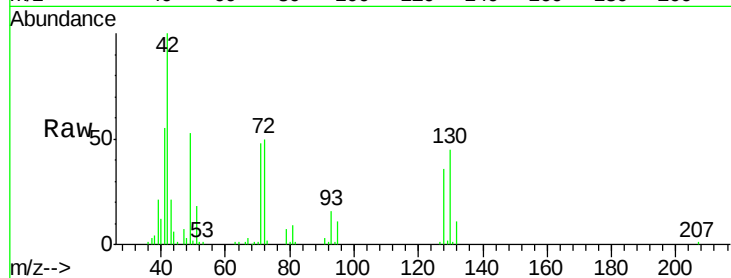
#29
Tetrahydrofuran
Concen: 88.376 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	36.7	55.1
71	46.8	34.7	52.1

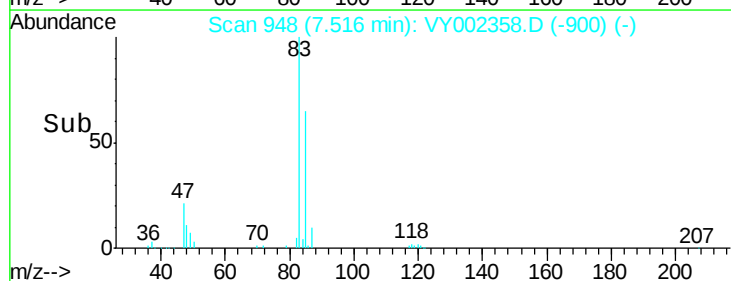
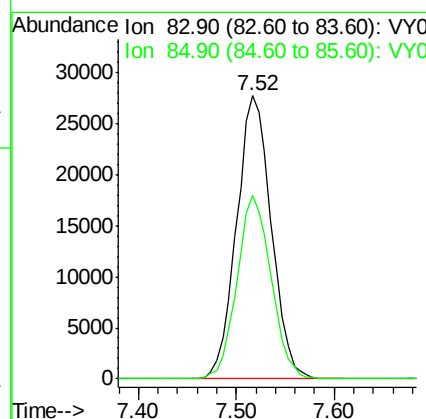
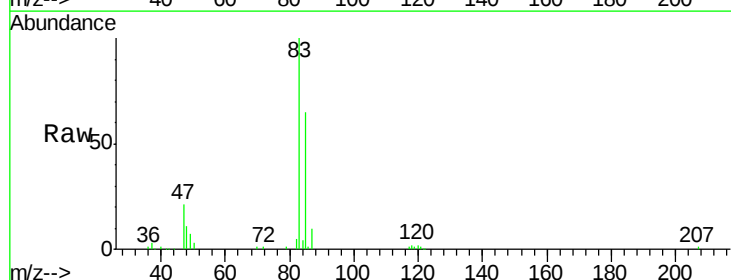
Manual Integrations
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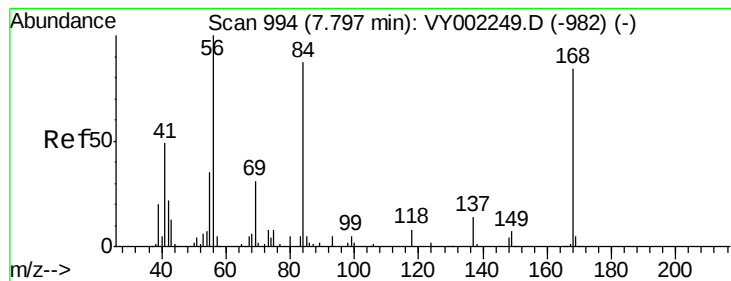
MMDadoda
4/17/2020 11:52:10 AM



#30
Chloroform
Concen: 19.879 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





#31

Cvclohexane

Concen: 19.486 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 56 Resp: 74514

Ion Ratio Lower Upper

56 100

69 36.5 25.0 37.6

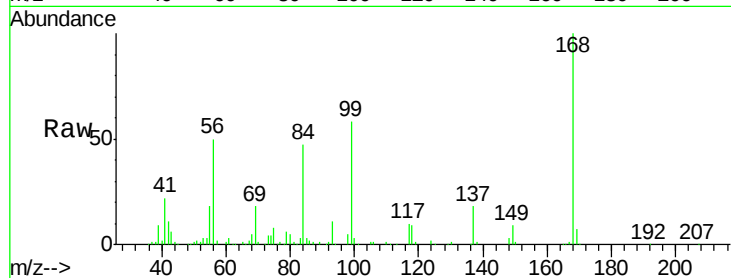
84 94.1 69.7 104.5

Manual Integrations

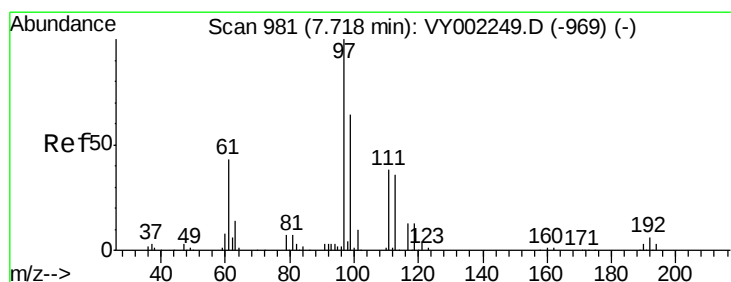
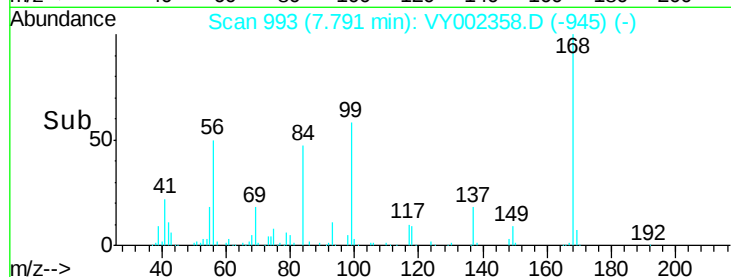
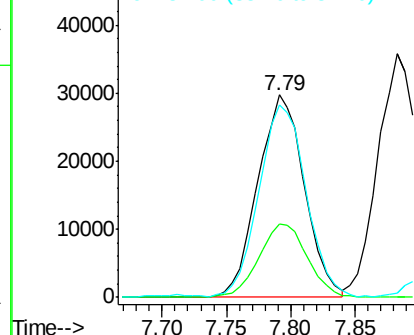
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 20.144 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

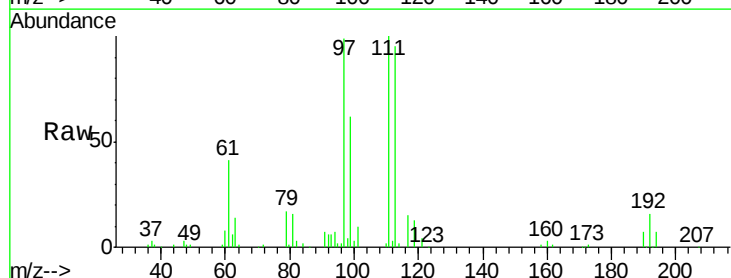
Tgt Ion: 97 Resp: 57576

Ion Ratio Lower Upper

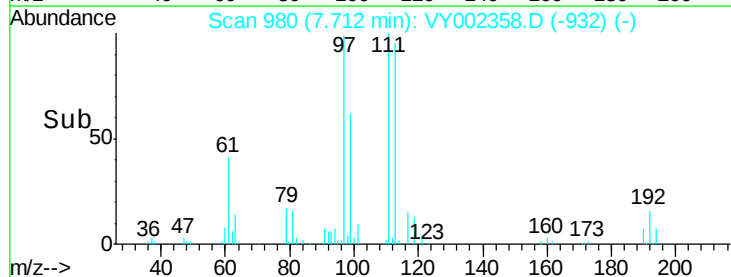
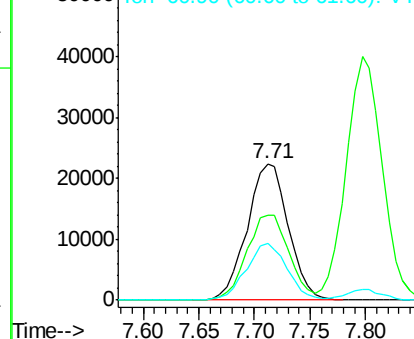
97 100

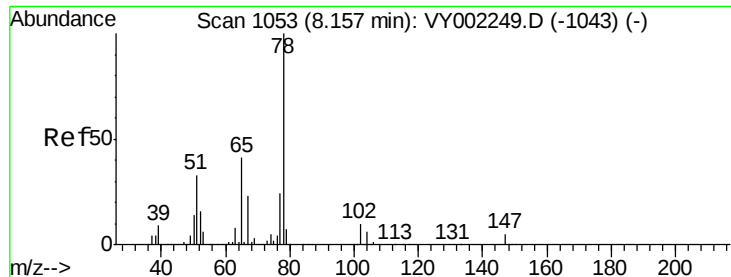
99 64.1 51.3 76.9

61 41.2 34.3 51.5



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





#33

1,2-Dichloroethane-d4

Concen: 45.721 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 65 Resp: 82987

Ion Ratio Lower Upper

65 100

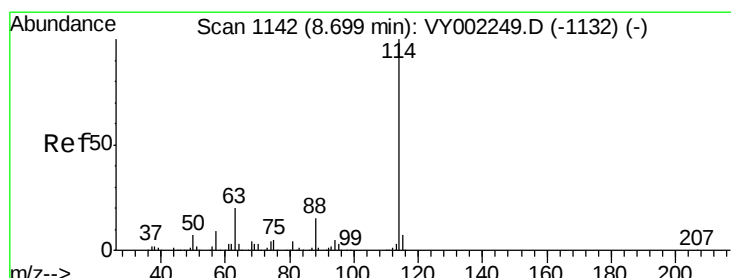
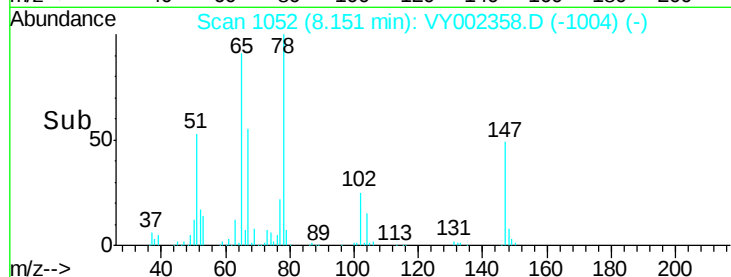
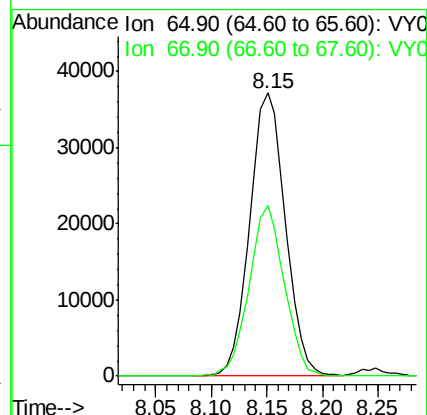
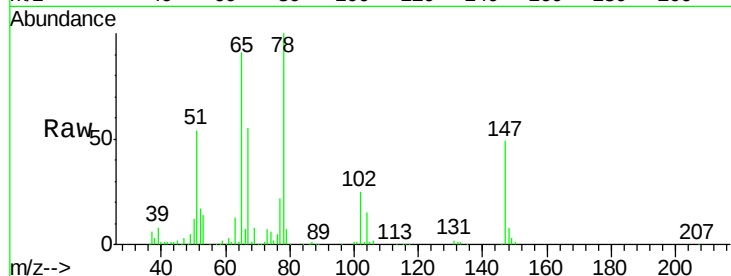
67 59.5 0.0 114.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

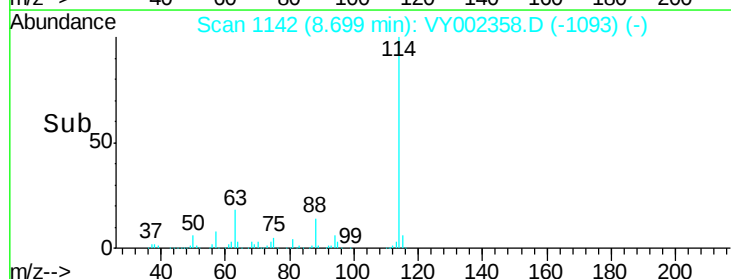
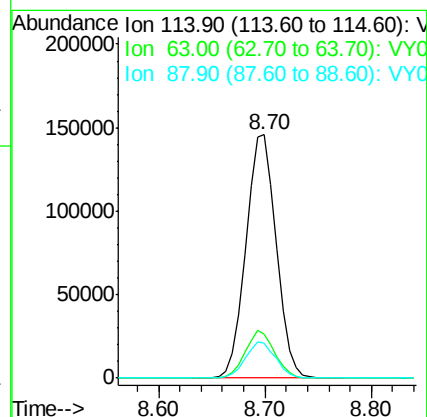
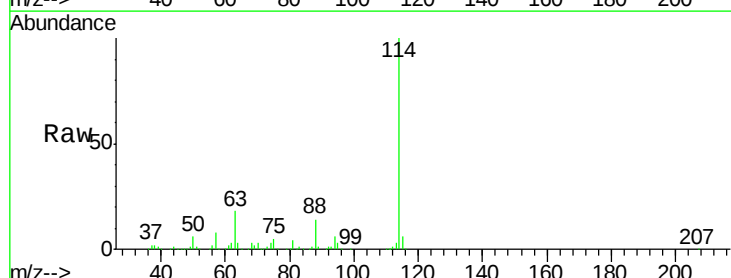
Tgt Ion: 114 Resp: 292101

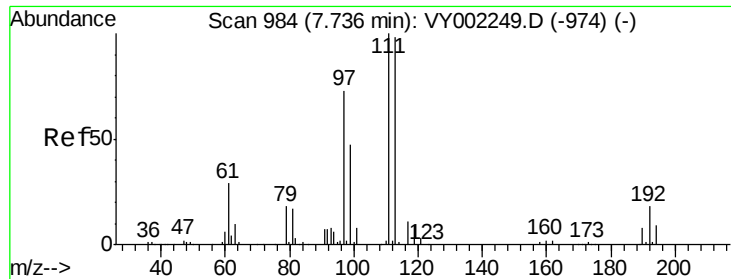
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.0

88 14.4 0.0 31.0





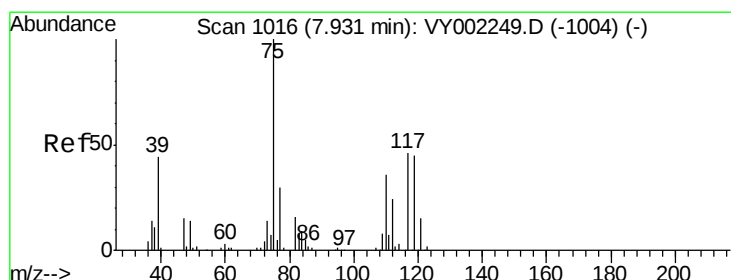
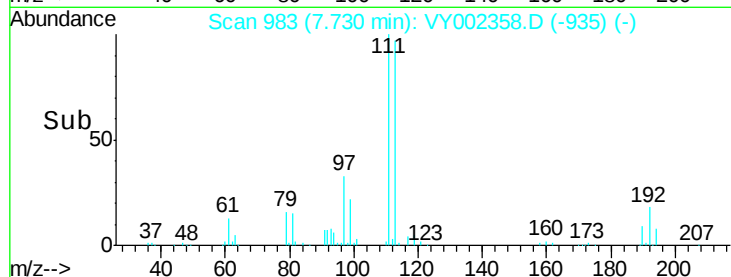
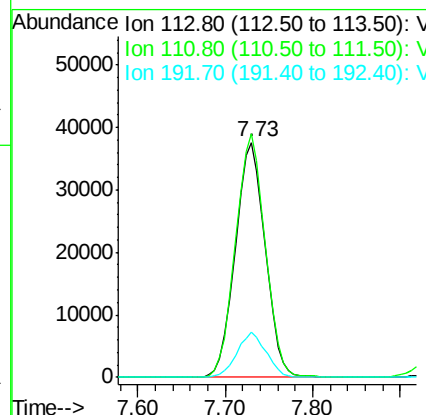
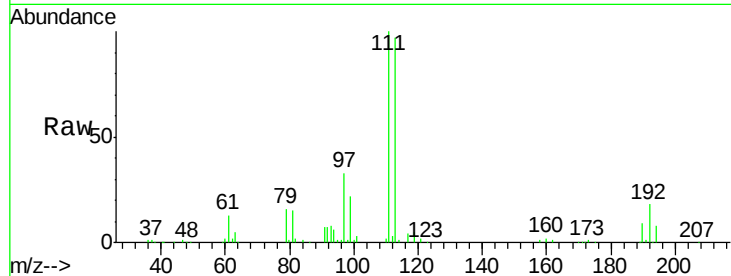
#35
 Dibromofluoromethane
 Concen: 51.434 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89397		
111	103.0		83.5	125.3
192	18.8		14.7	22.1

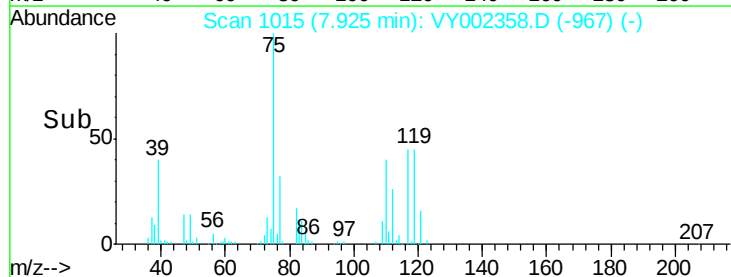
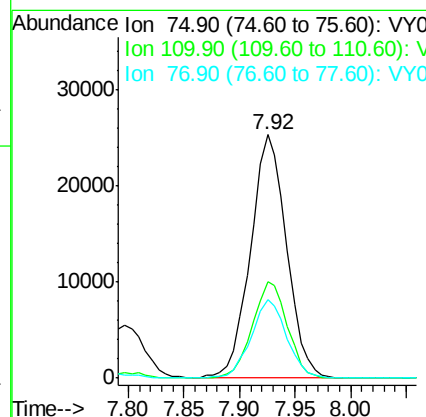
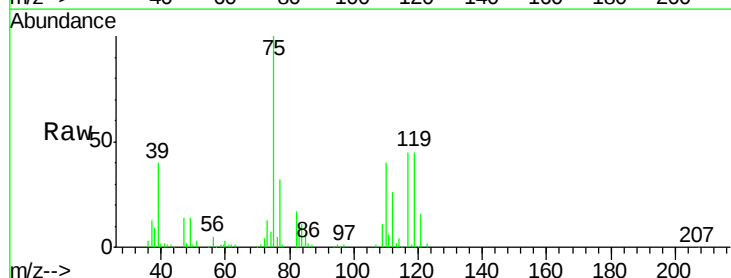
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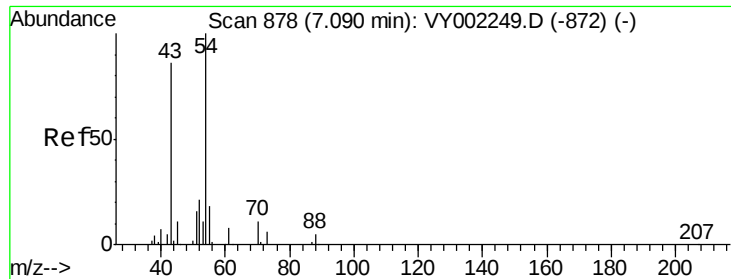
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#36
 1,1-Dichloropropene
 Concen: 19.895 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57242		
110	38.4		17.8	53.3
77	31.6		24.4	36.6





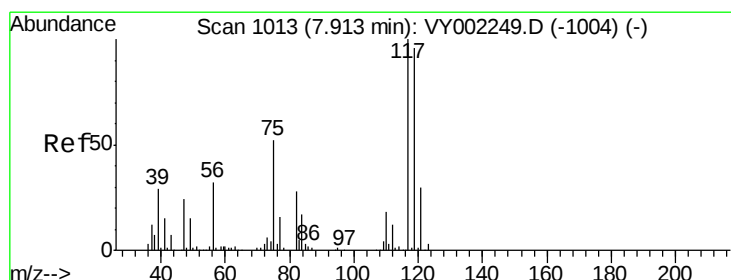
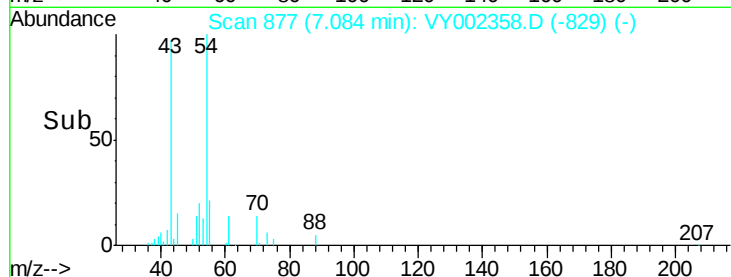
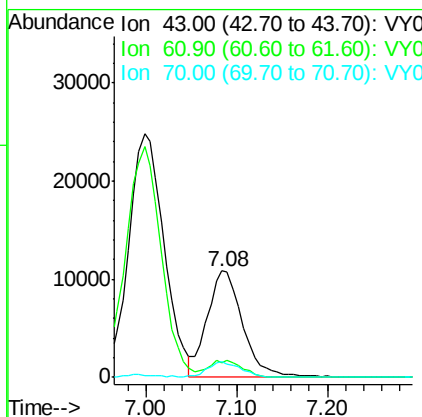
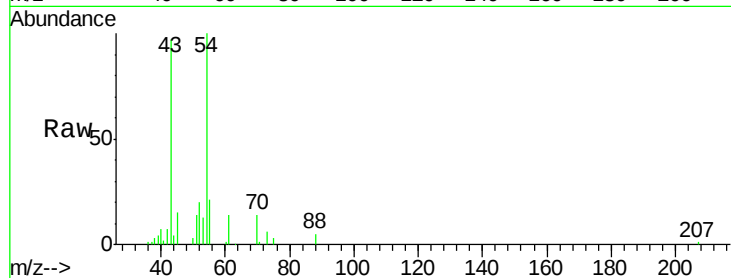
#37
Ethyl Acetate
Concen: 18.185 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	13.7	9.1	13.7

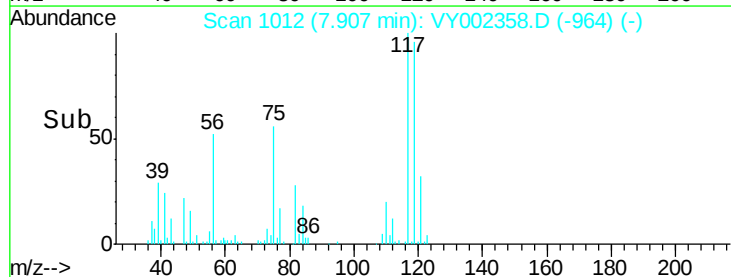
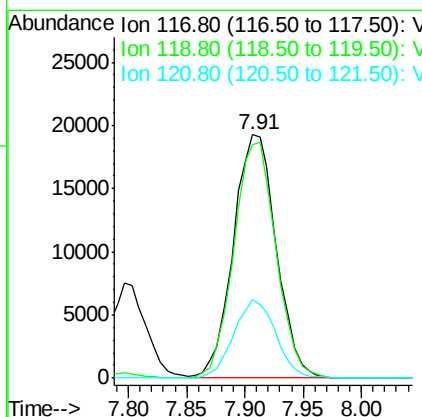
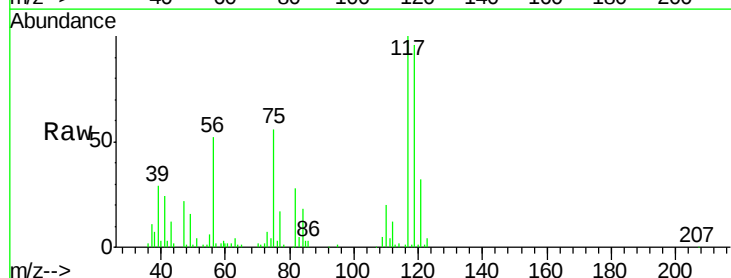
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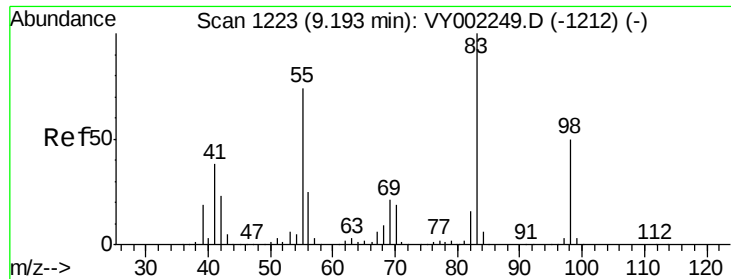
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#38
Carbon Tetrachloride
Concen: 20.086 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
121	32.5	23.9	35.9





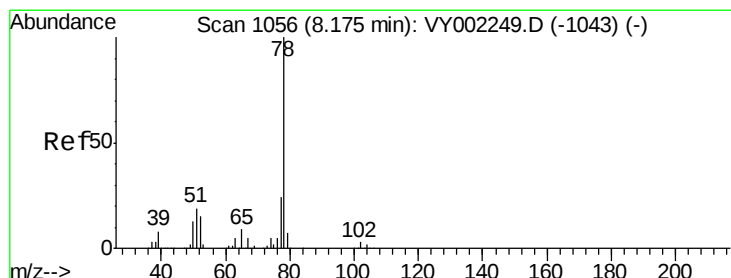
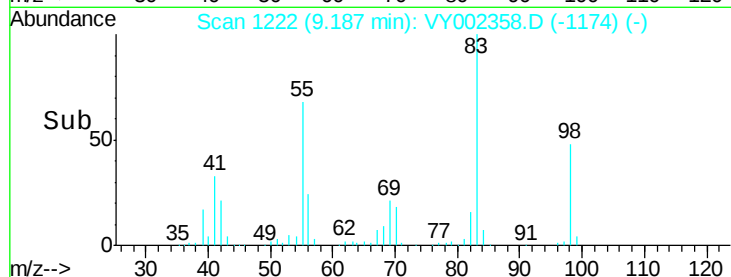
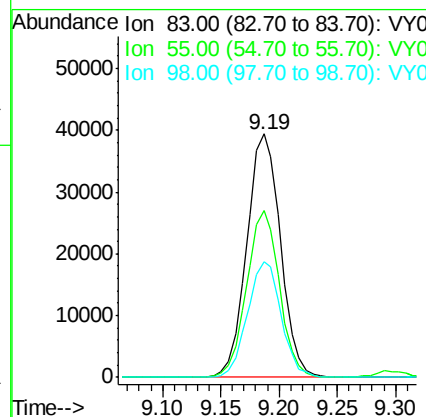
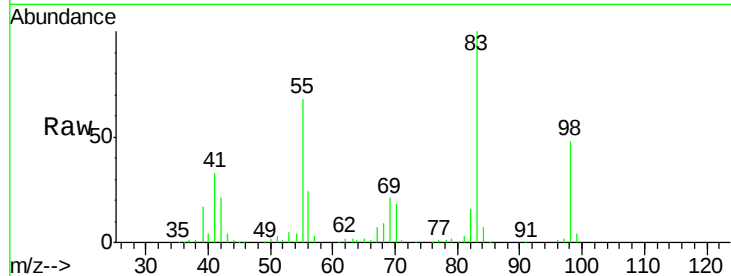
#39
Methvlcvclohexane
Concen: 20.353 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	83	Resp	79656
Ion Ratio	100	Lower	Upper
83	100		
55	68.4	59.3	88.9
98	47.5	39.6	59.4

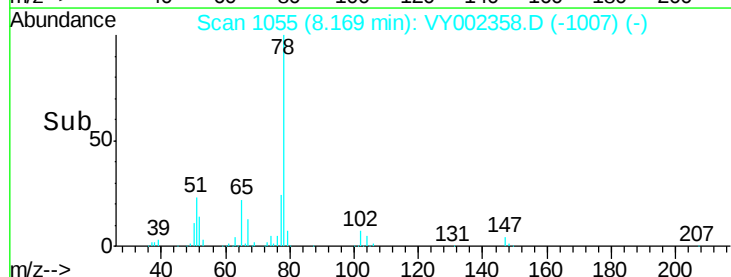
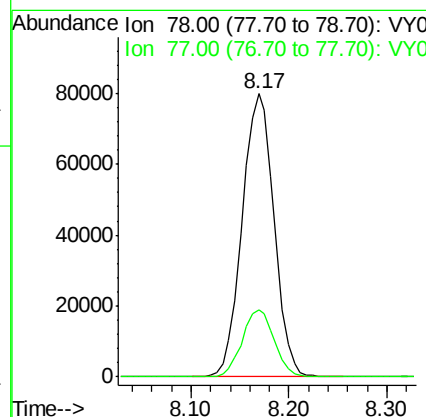
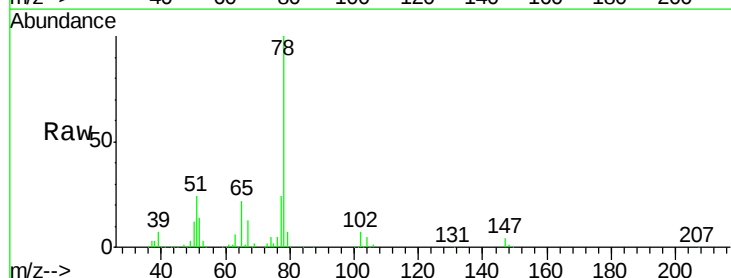
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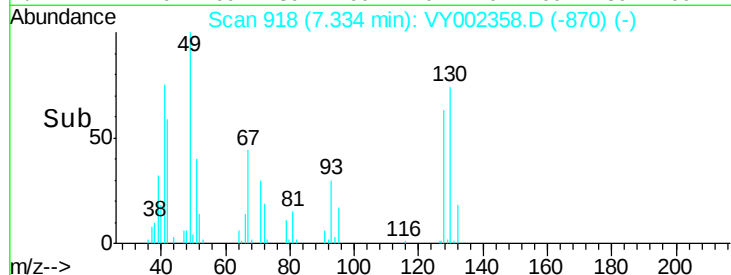
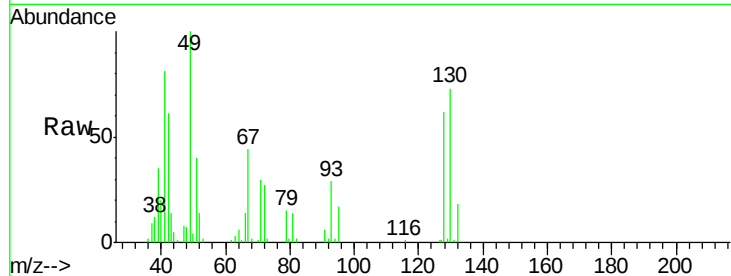
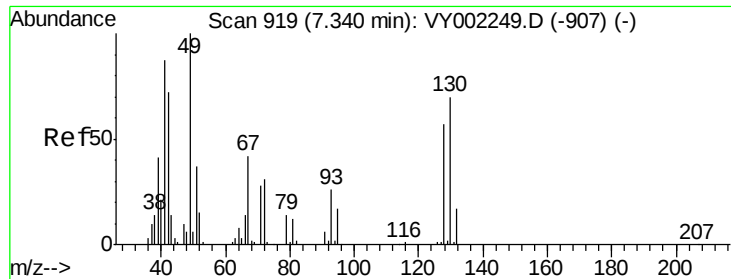
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#40
Benzene
Concen: 20.612 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	78	Resp	179932
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.9	28.3





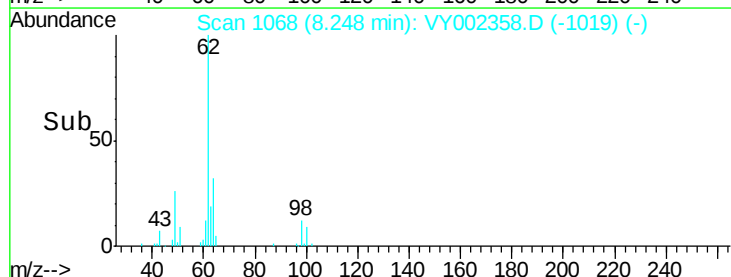
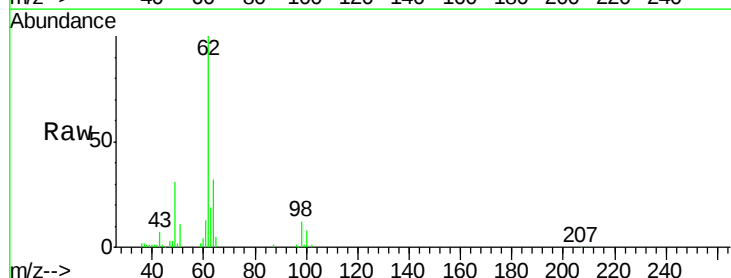
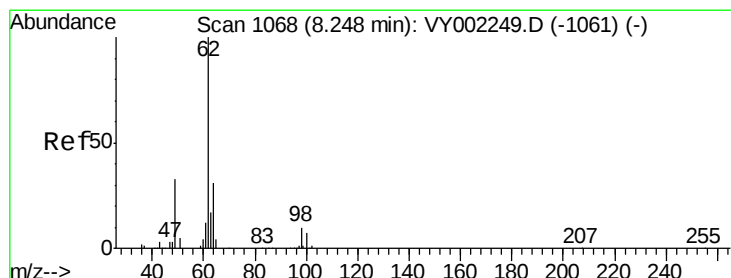
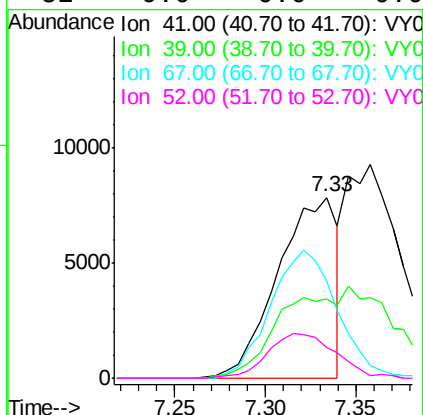
#41
Methacrylonitrile
Concen: 18.667 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tot Ion	41	Resp	18100
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

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBSD01

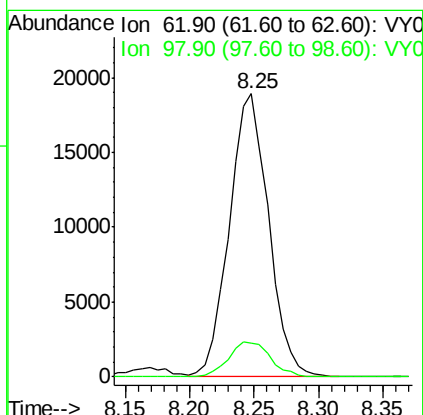
Manual Integrations
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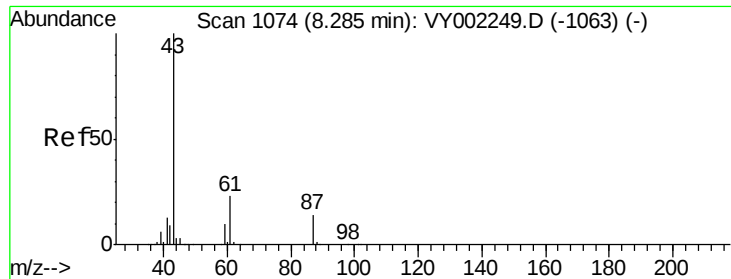
MMDadoda
4/17/2020 11:52:10 AM



#42
1,2-Dichloroethane
Concen: 18.509 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	62	Resp	40023
Ion Ratio	Lower	Upper	
62	100		
98	13.2	0.0	22.6





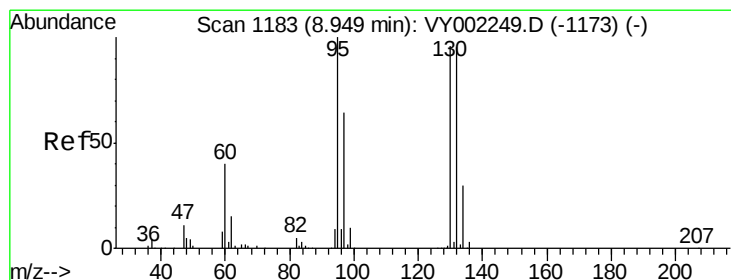
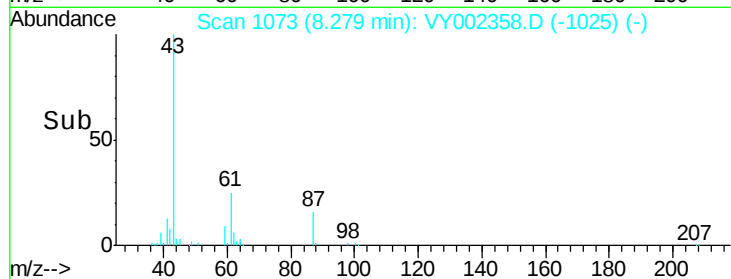
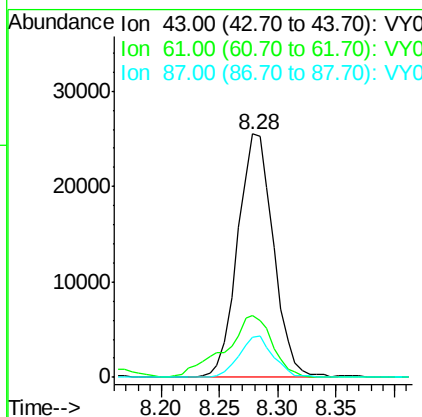
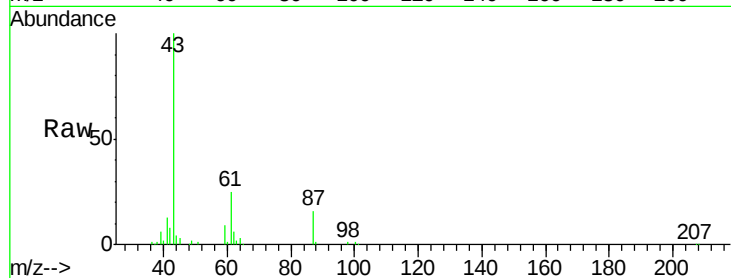
#43
Isopropyl Acetate
Concen: 18.232 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.2	24.9	37.3
87	16.2	11.7	17.5

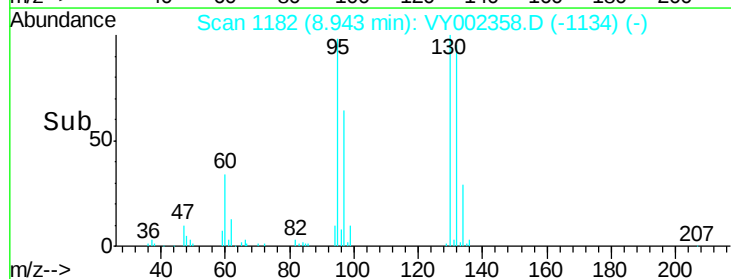
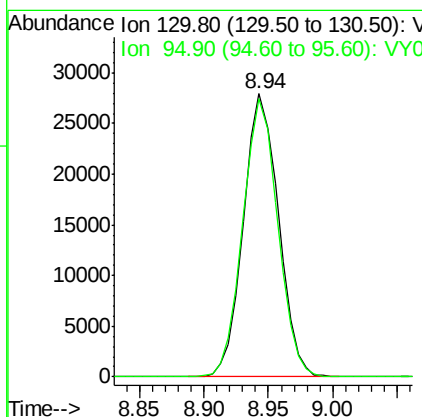
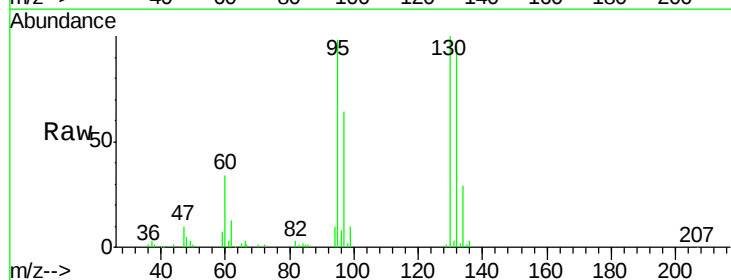
Manual Integrations
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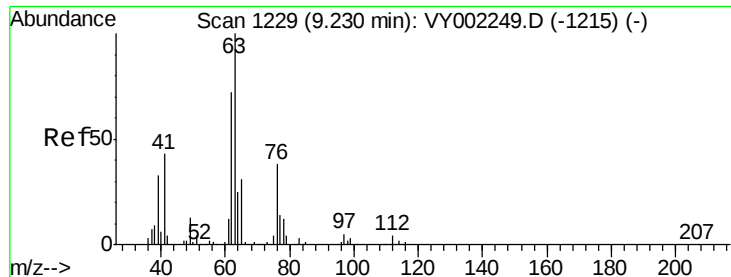
MMDadoda
4/17/2020 11:52:10 AM



#44
Trichloroethene
Concen: 20.509 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	208.2





#45

1,2-Dichloropropane

Concen: 19.861 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 63 Resp: 43017

Ion Ratio Lower Upper

63 100

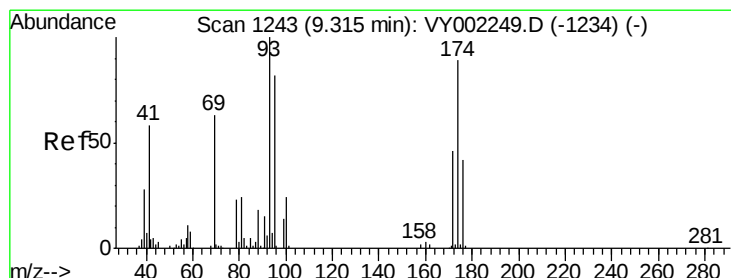
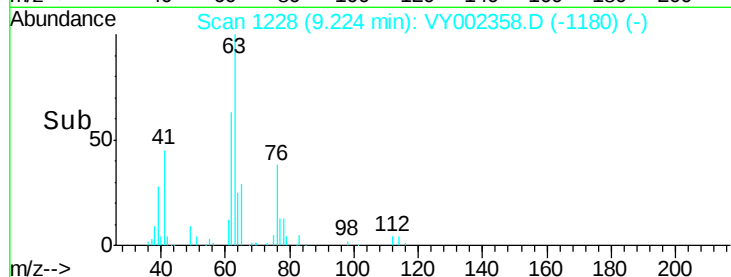
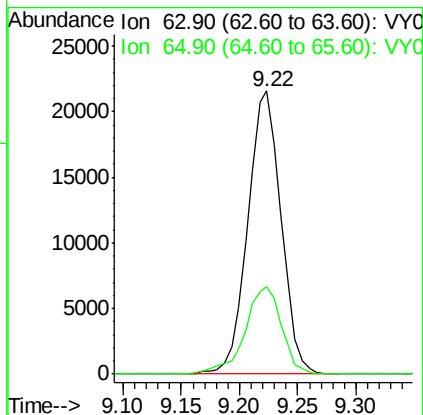
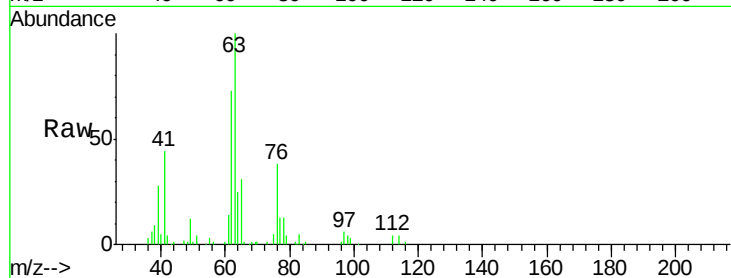
65 30.8 24.6 37.0

Manual Integrations

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MMDadoda

4/17/2020 11:52:10 AM



#46

Dibromomethane

Concen: 20.373 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

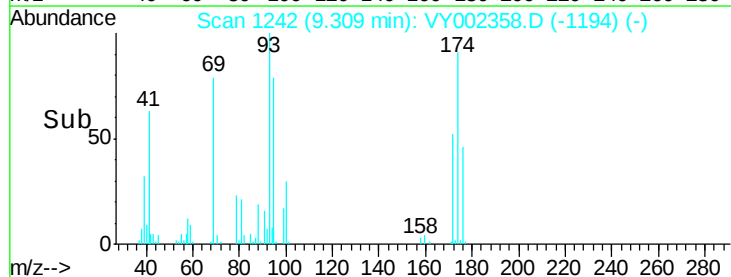
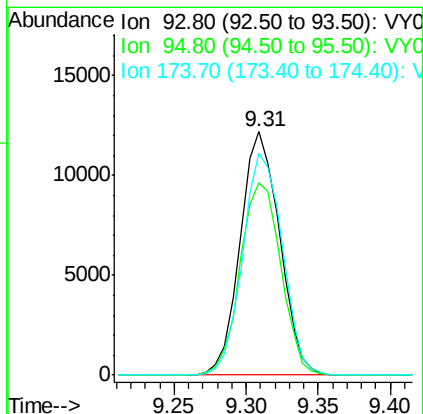
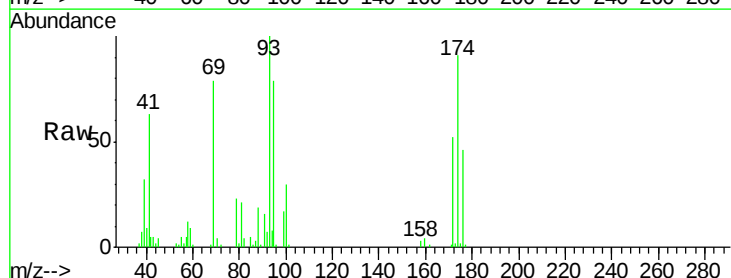
Tgt Ion: 93 Resp: 23071

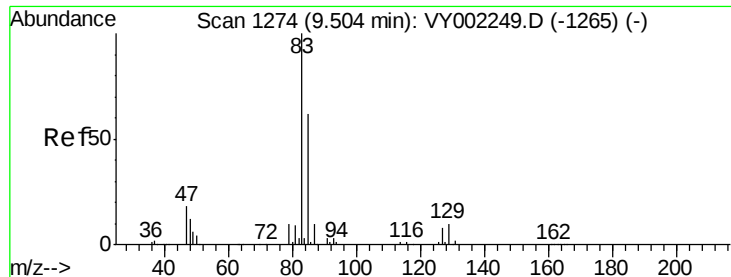
Ion Ratio Lower Upper

93 100

95 82.0 67.3 100.9

174 92.0 72.5 108.7





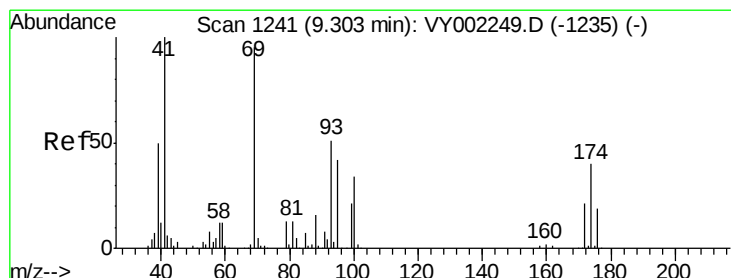
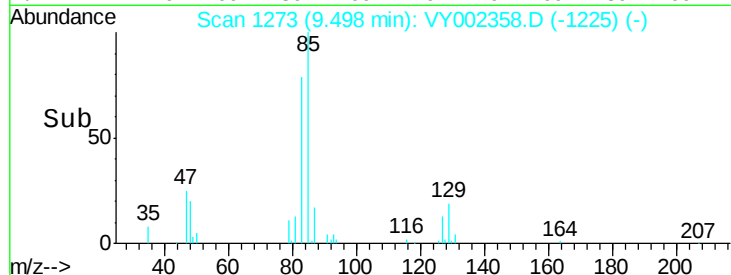
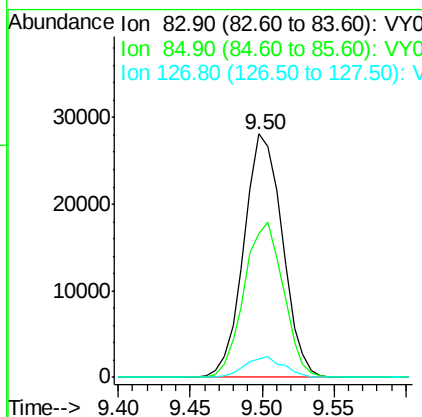
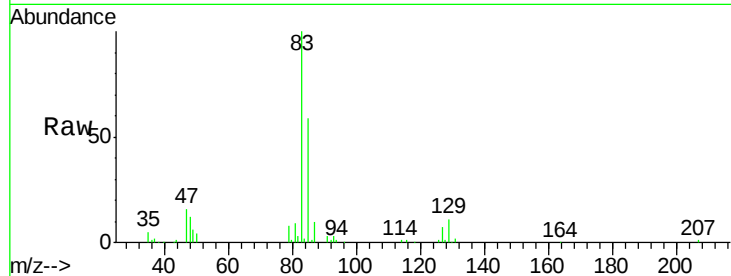
#47
Bromodichloromethane
Concen: 20.096 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	58.8	49.7	74.5
127	7.5	6.2	9.4

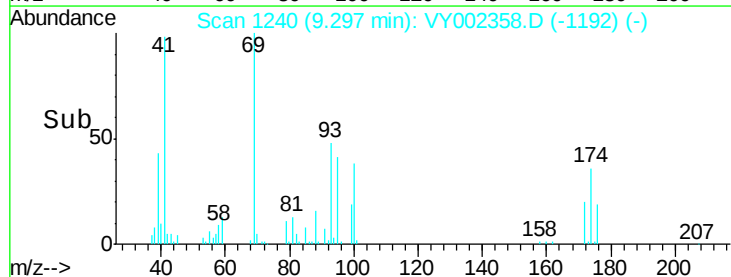
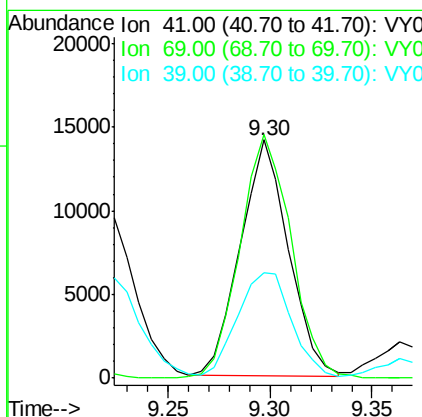
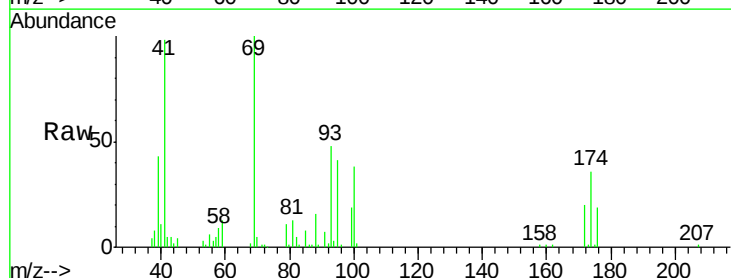
Manual Integrations
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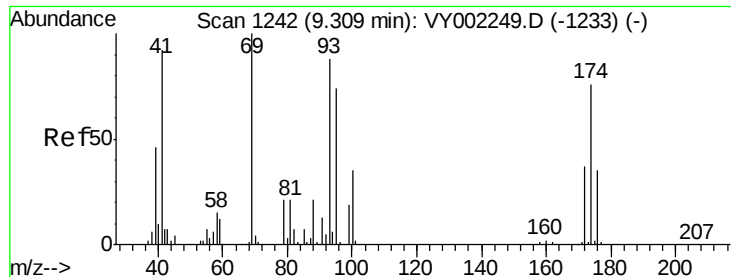
MMDadoda
4/17/2020 11:52:10 AM



#48
Methyl methacrylate
Concen: 17.218 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	109.5	76.7	115.1
39	48.5	40.5	60.7





#49

1,4-Dioxane

Concen: 368.059 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 88 Resp: 5896

Ion Ratio Lower Upper

88 100

43 29.8 22.2 33.2

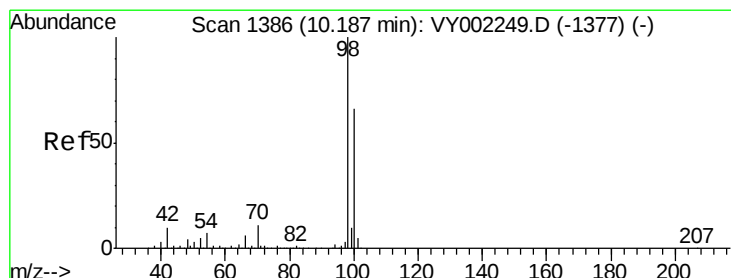
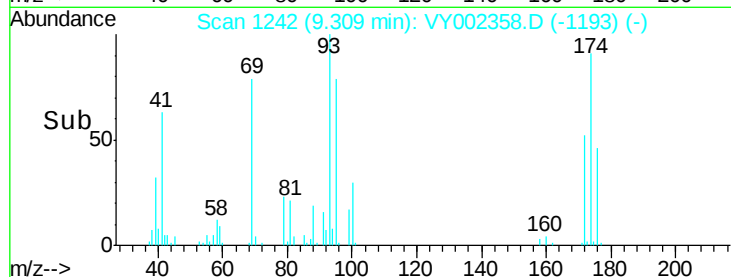
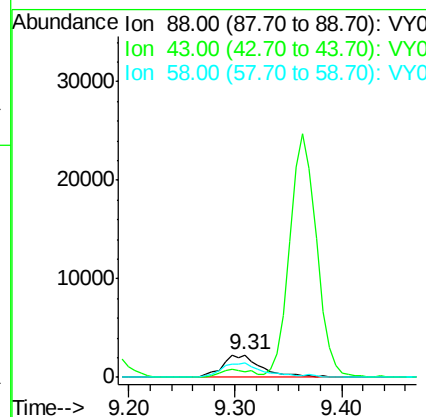
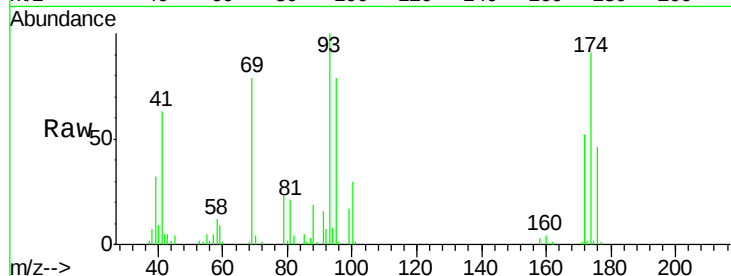
58 70.2 57.6 86.4

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#50

Toluene-d8

Concen: 50.723 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002358.D

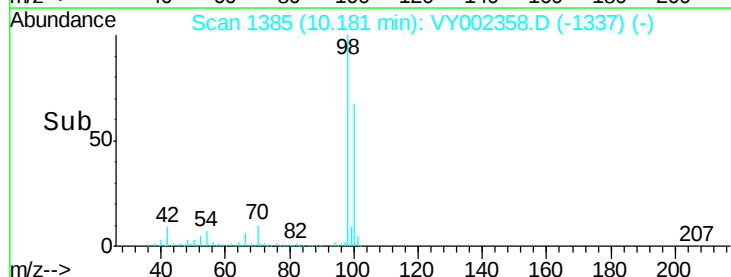
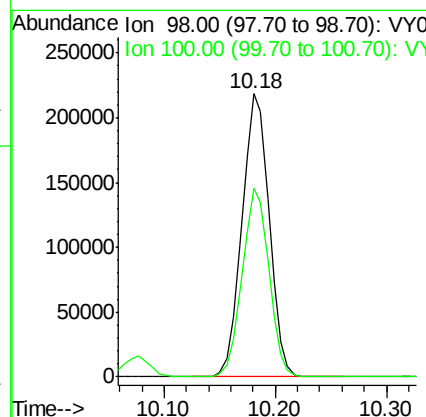
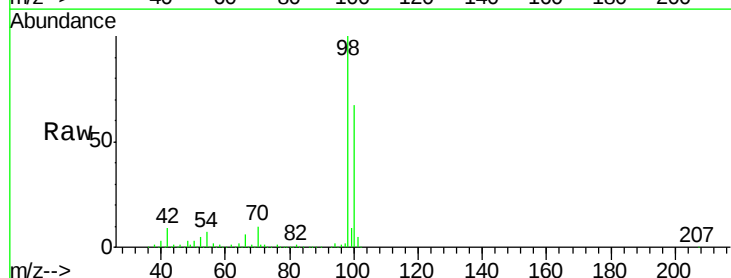
Acq: 16 Apr 2020 11:56

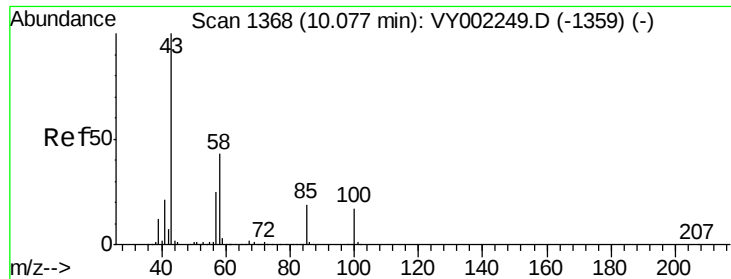
Tgt Ion: 98 Resp: 369011

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8





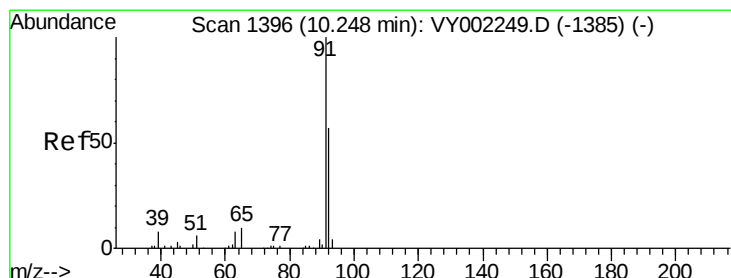
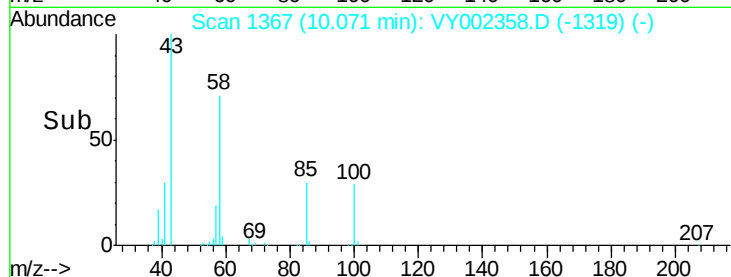
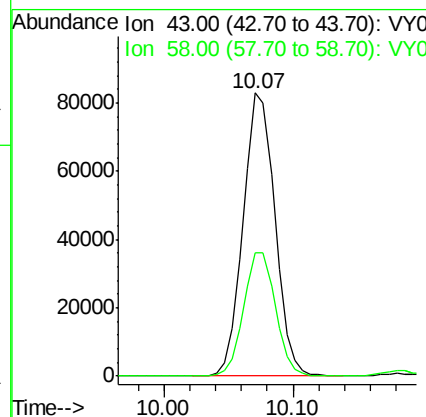
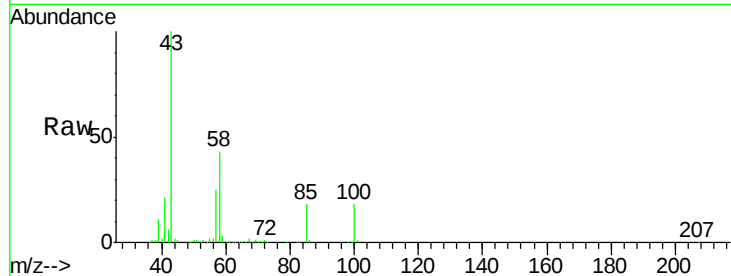
#51
4-Methyl-2-Pentanone
Concen: 90.725 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 43 Resp: 141716
Ion Ratio Lower Upper
43 100
58 43.9 33.8 50.8

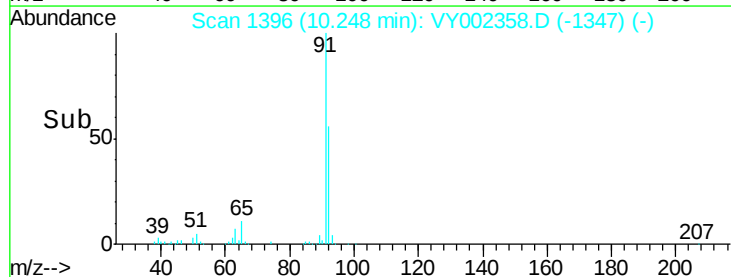
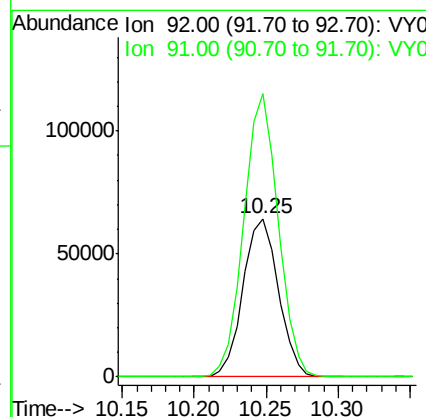
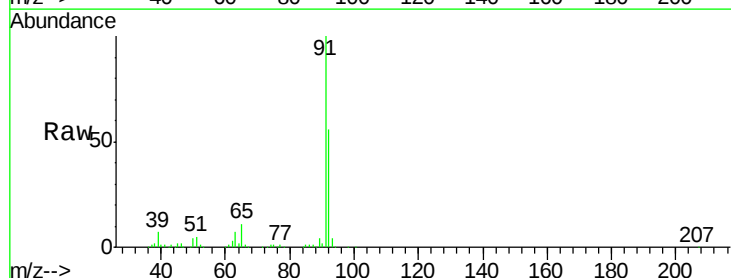
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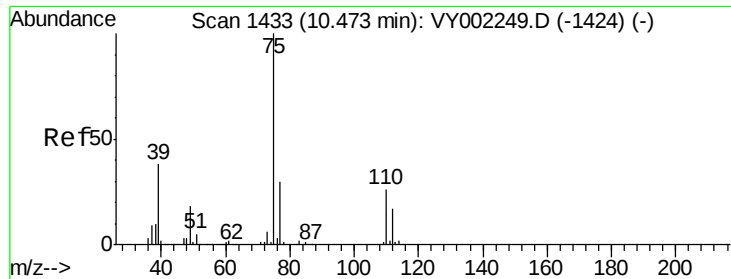
MMDadoda
4/17/2020 11:52:10 AM



#52
Toluene
Concen: 20.793 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 92 Resp: 109389
Ion Ratio Lower Upper
92 100
91 173.9 139.0 208.6





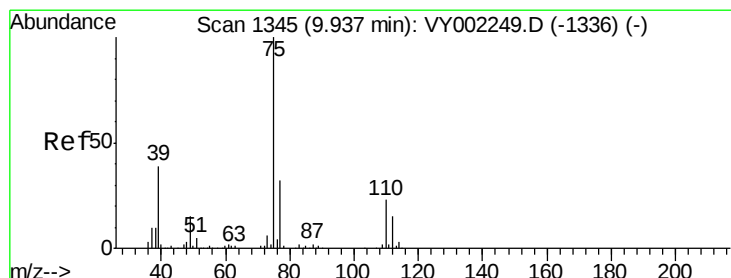
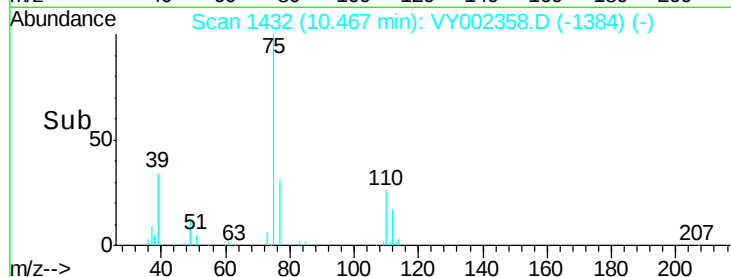
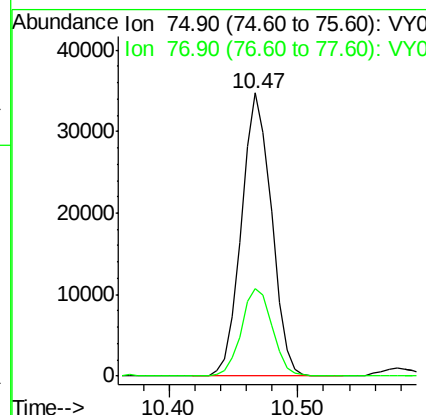
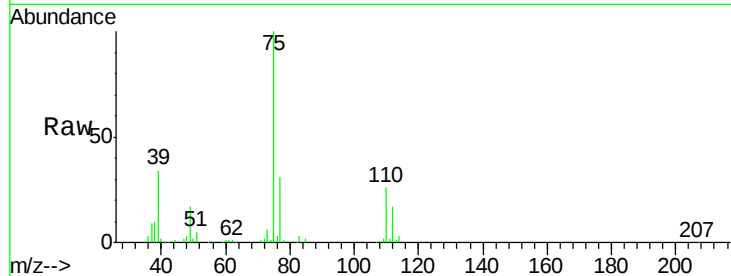
#53
t-1,3-Dichloropropene
Concen: 19.721 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.2	36.2

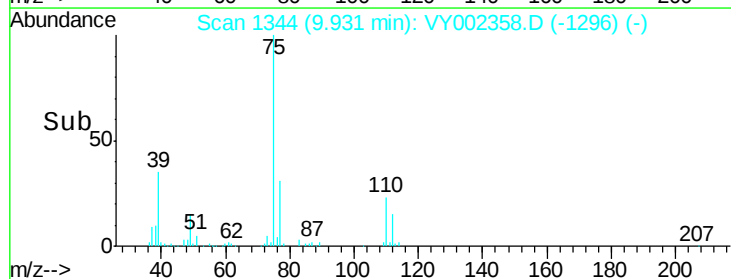
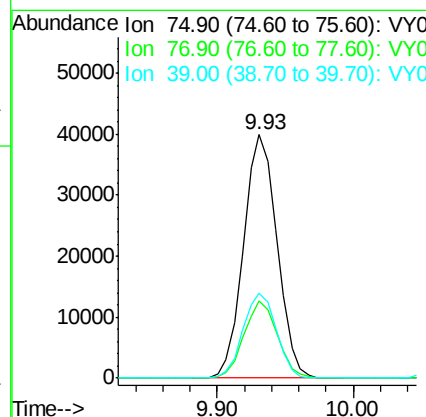
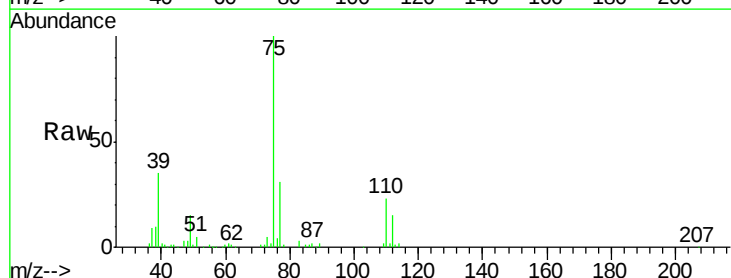
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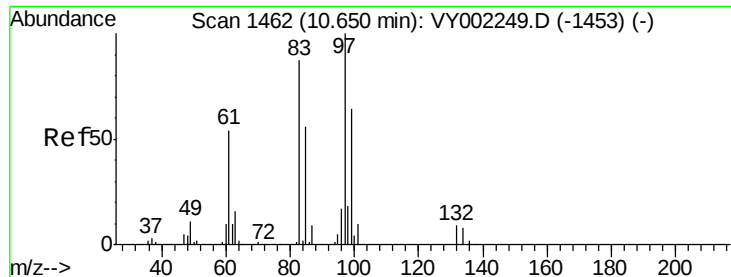
MMDadoda
4/17/2020 11:52:10 AM



#54
cis-1,3-Dichloropropene
Concen: 20.171 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8
39	34.7	30.8	46.2





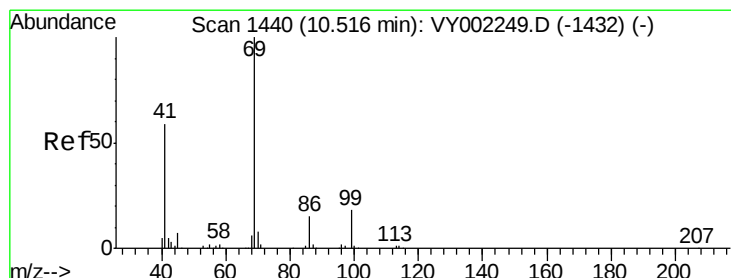
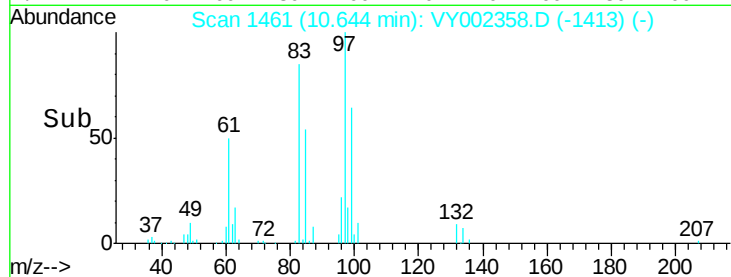
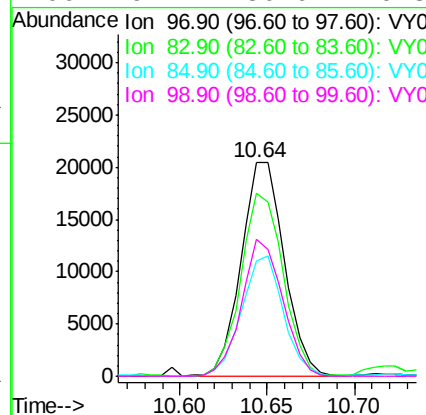
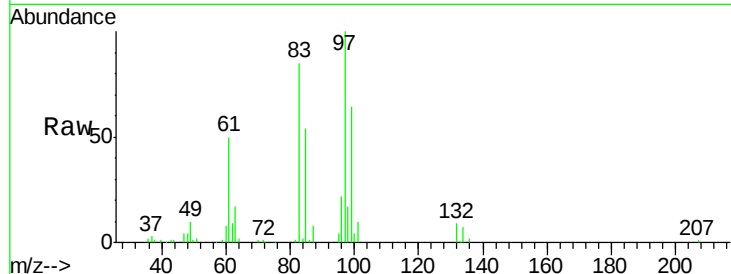
#55
 1,1,2-Trichloroethane
 Concen: 21.143 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion:	97	Resp:	35055
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.5	104.3
85	54.1	45.2	67.8
99	64.2	50.9	76.3

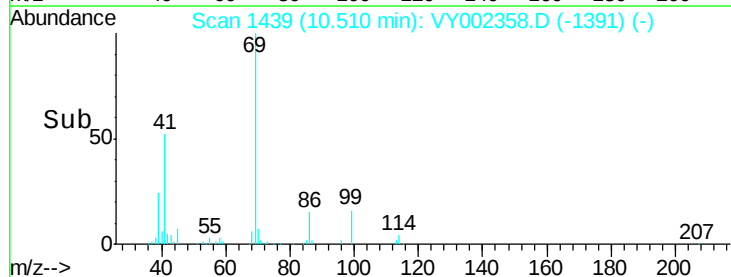
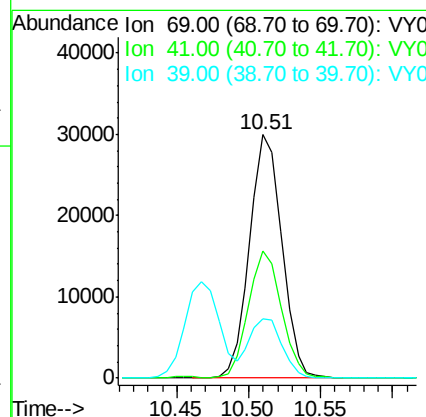
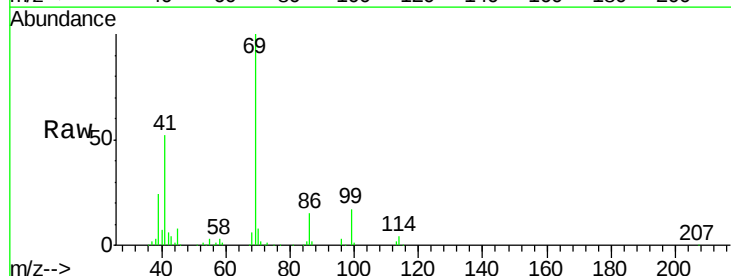
Manual Integrations
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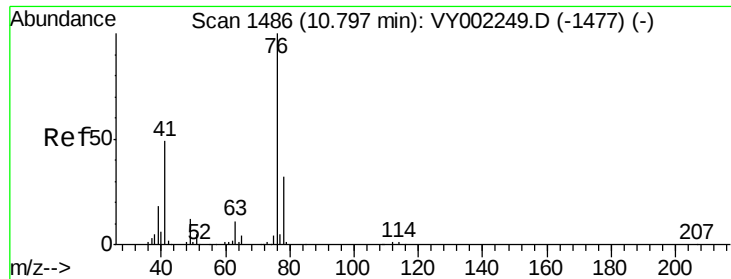
MMDadoda
 4/17/2020 11:52:10 AM



#56
 Ethyl methacrylate
 Concen: 19.691 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion:	69	Resp:	46595
Ion	Ratio	Lower	Upper
69	100		
41	53.7	47.9	71.9
39	24.9	23.8	35.6





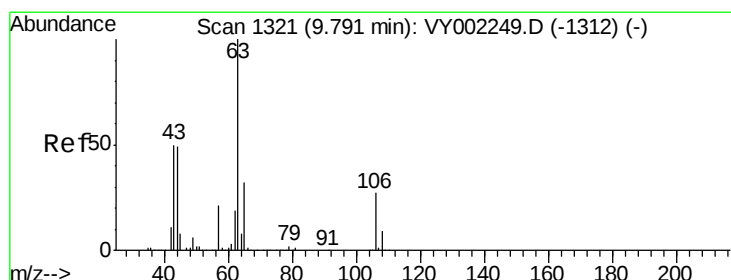
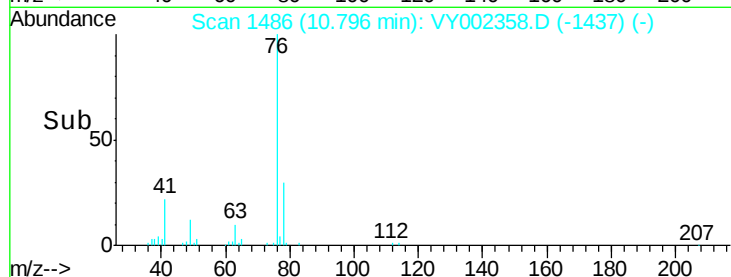
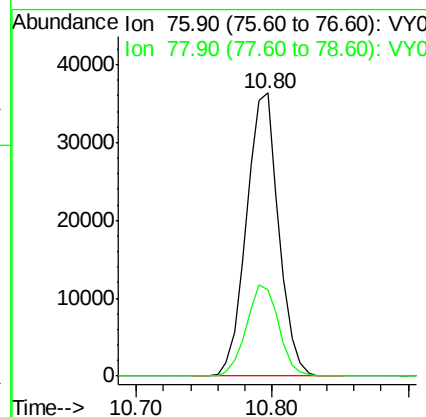
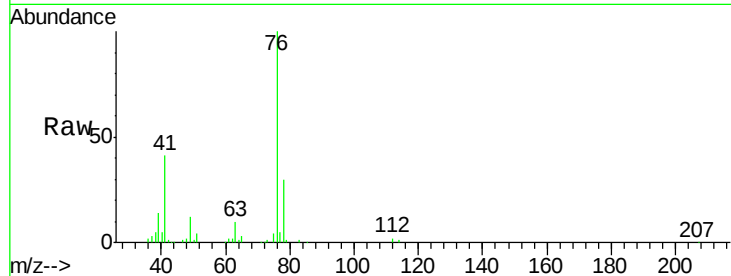
#57
 1,3-Dichloropropane
 Concen: 20.643 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

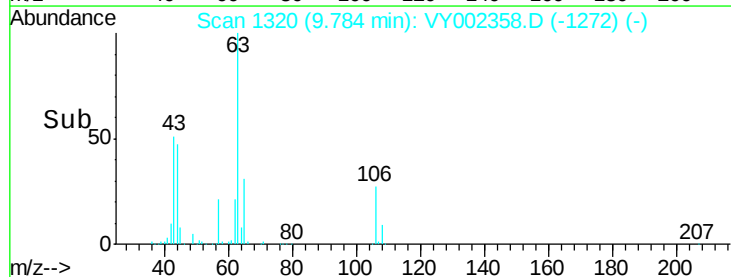
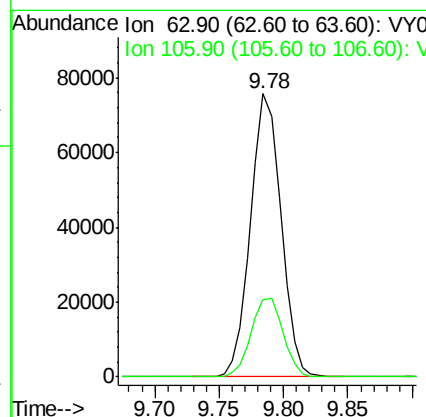
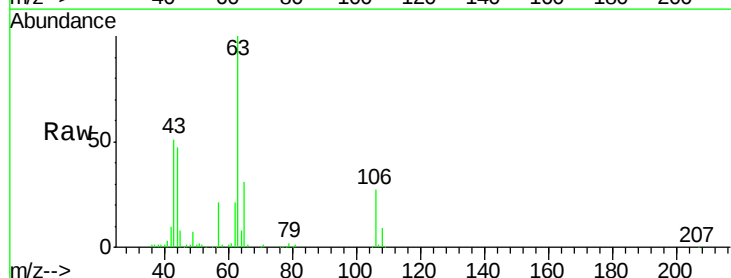
Manual Integrations
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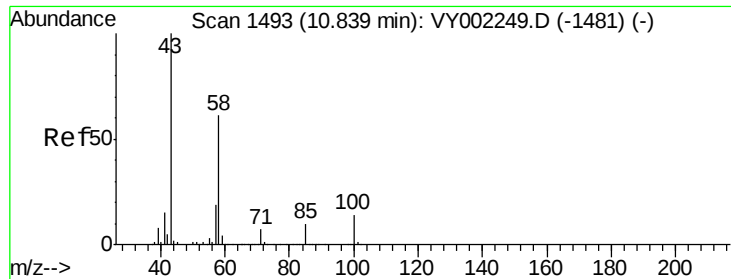
MMDadoda
 4/17/2020 11:52:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.026 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.2	33.2





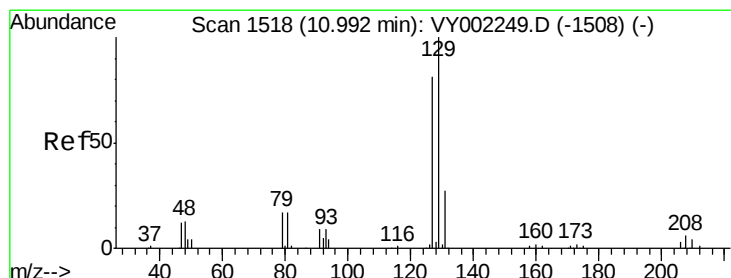
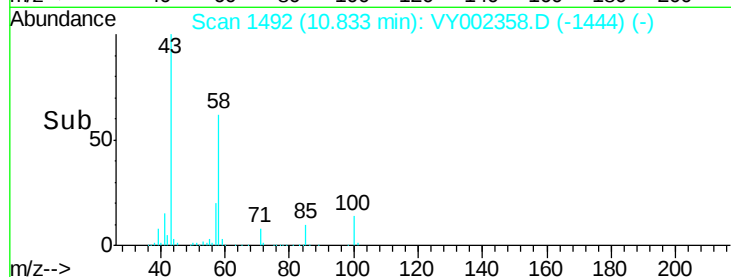
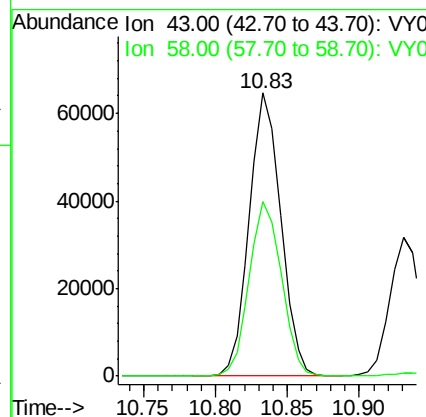
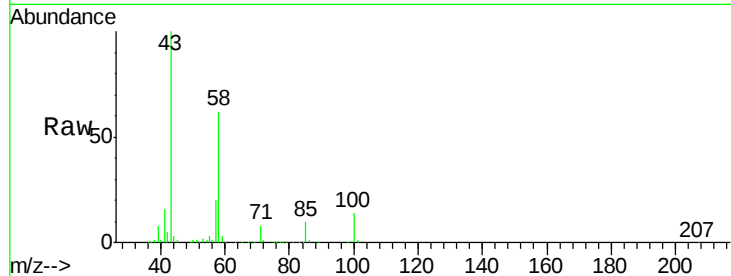
#59
2-Hexanone
Concen: 90.999 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 43 Resp: 98652
Ion Ratio Lower Upper
43 100
58 62.7 29.8 89.3

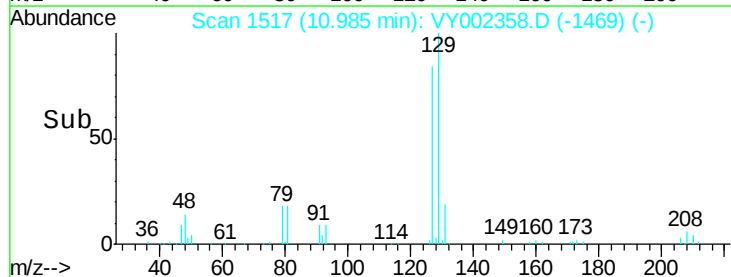
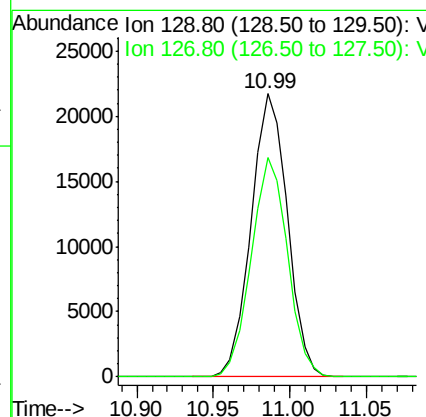
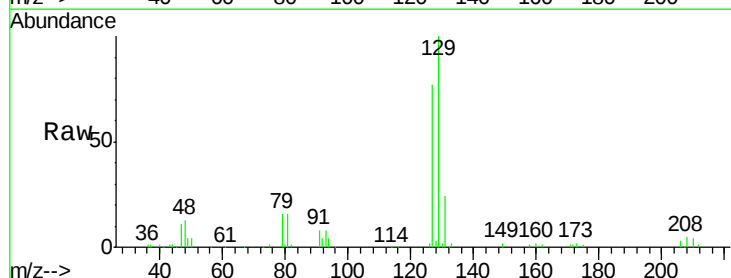
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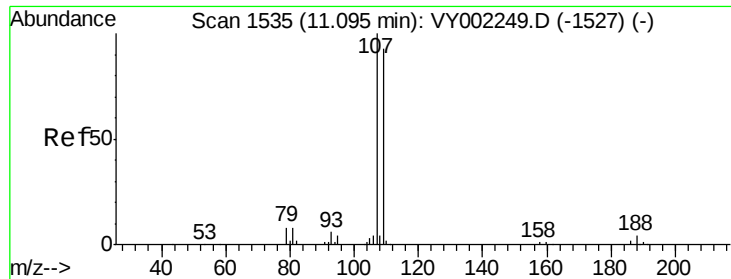
MMDadoda
4/17/2020 11:52:10 AM



#60
Dibromochloromethane
Concen: 20.339 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 129 Resp: 35957
Ion Ratio Lower Upper
129 100
127 77.2 39.0 117.0





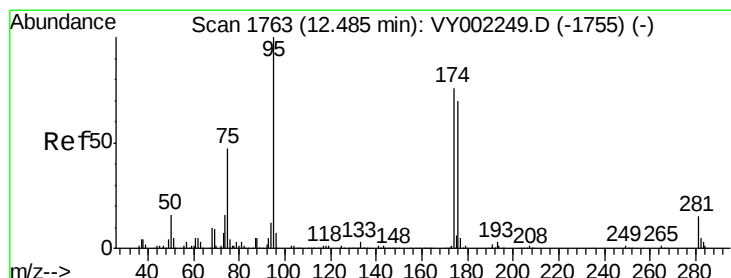
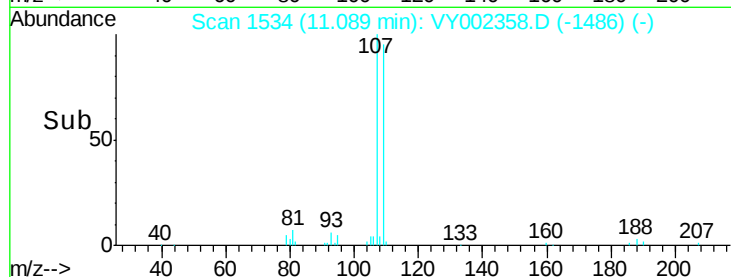
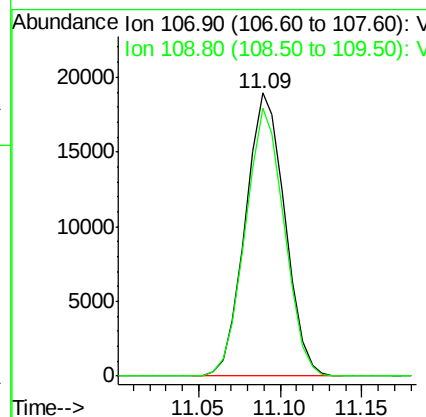
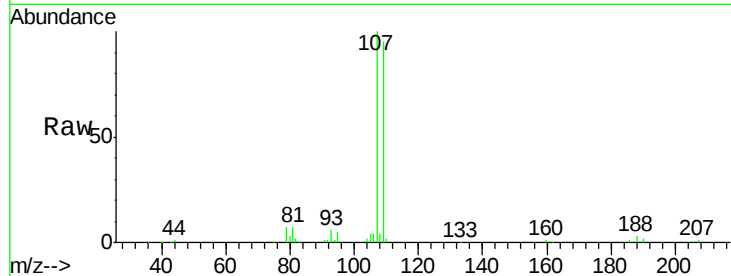
#61
 1,2-Dibromoethane
 Concen: 20.221 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.6	113.4

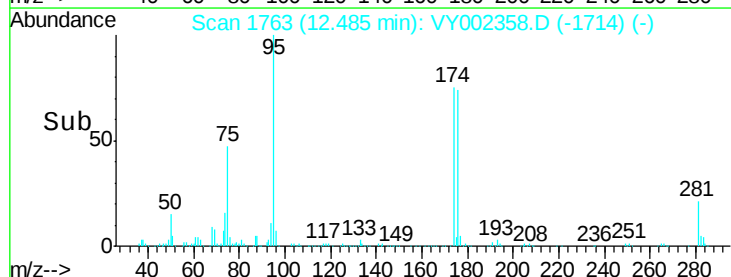
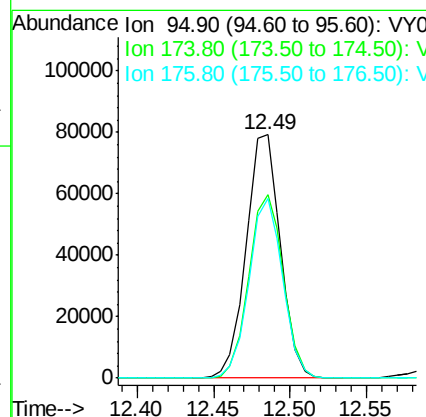
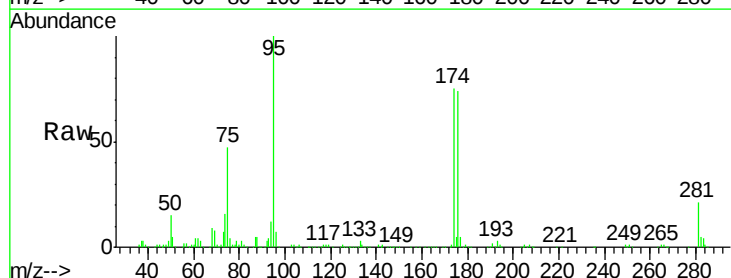
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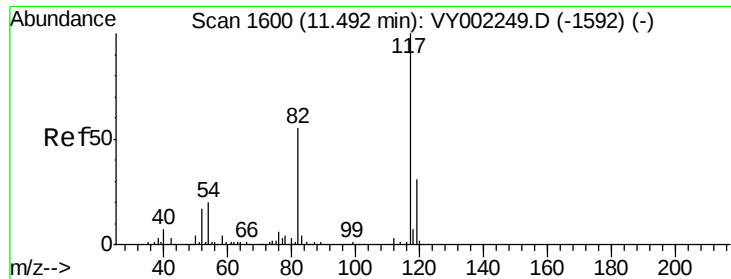
MMDadoda
 4/17/2020 11:52:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.328 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.6
176	72.5	0.0	141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

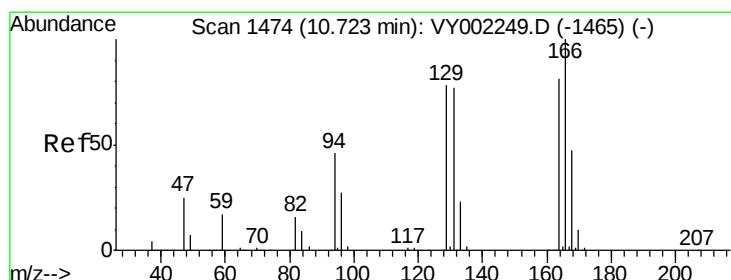
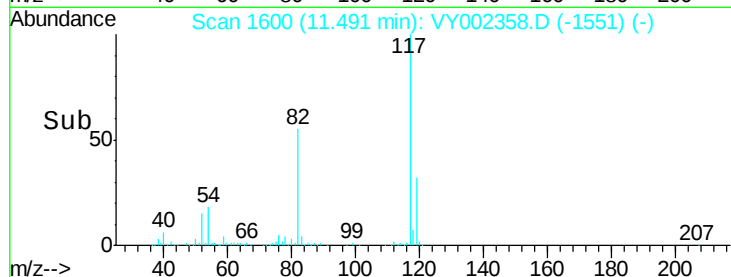
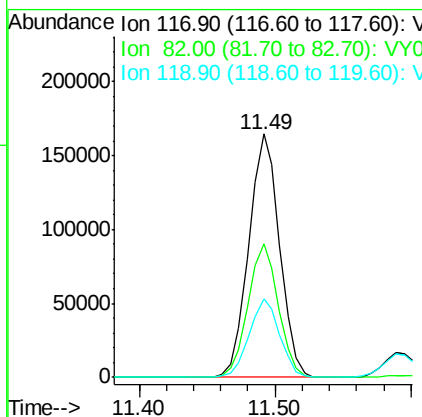
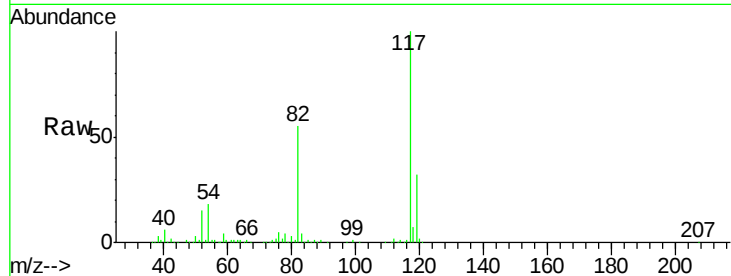
ClientSampleId :

VY0416SBS01

Tot Ion:	117	Resp:	260421
Ion Ratio	Lower	Upper	
117	100		
82	54.6	44.2	66.4
119	32.2	25.1	37.7

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.733 ug/l

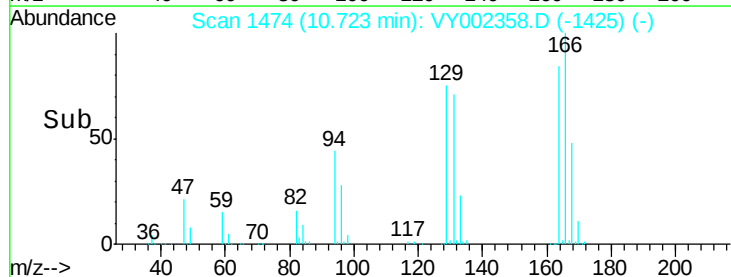
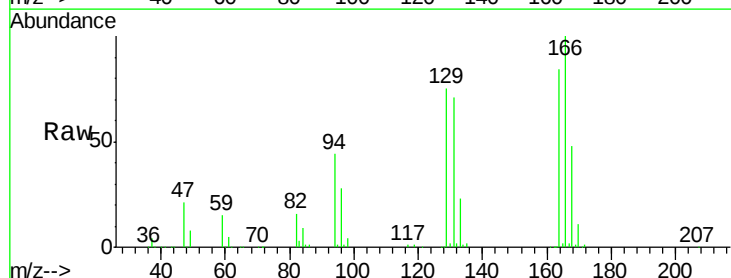
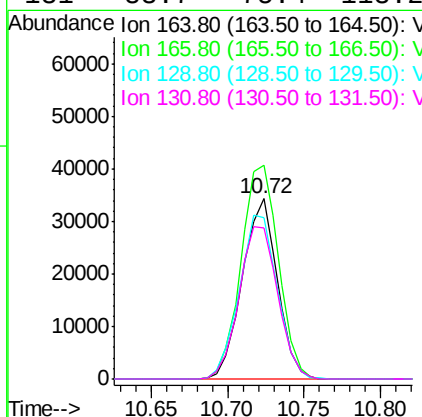
RT: 10.72 min Scan# 1474

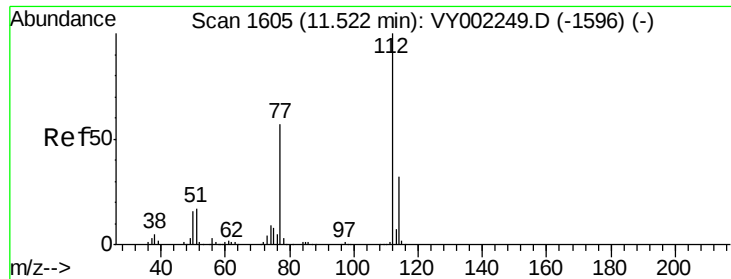
Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	164	Resp:	54588
Ion Ratio	Lower	Upper	
164	100		
166	118.7	98.4	147.6
129	89.6	76.6	115.0
131	83.7	75.4	113.2





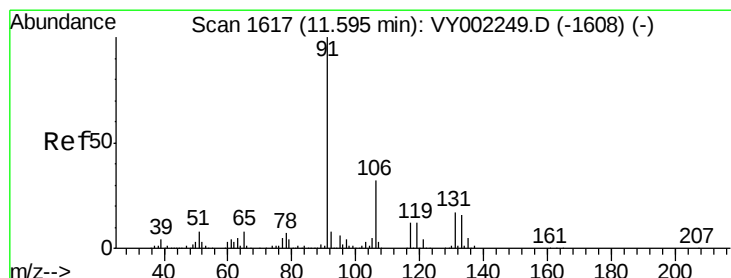
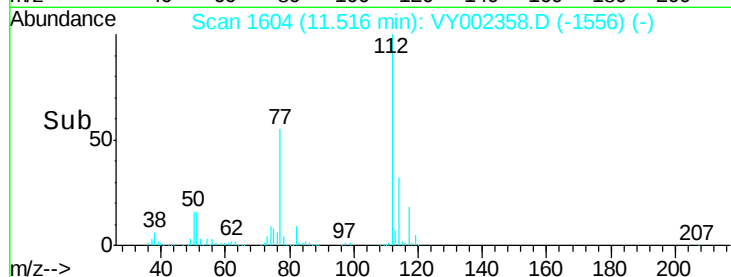
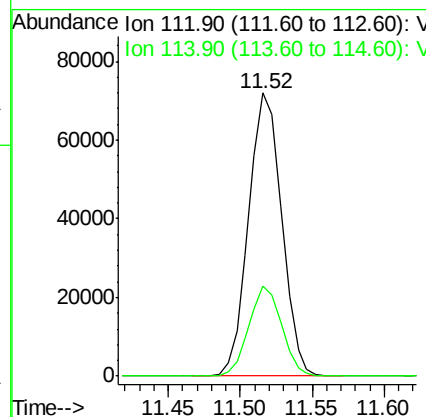
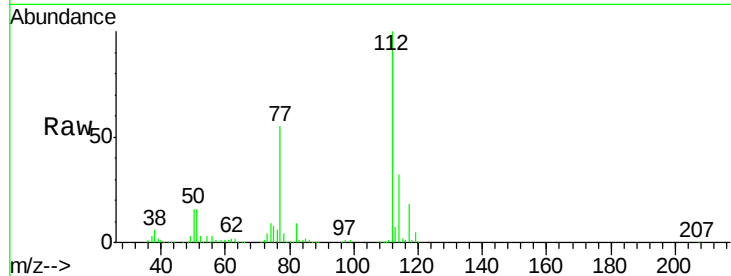
#65
Chlorobenzene
Concen: 21.148 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion:112 Resp: 114481
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

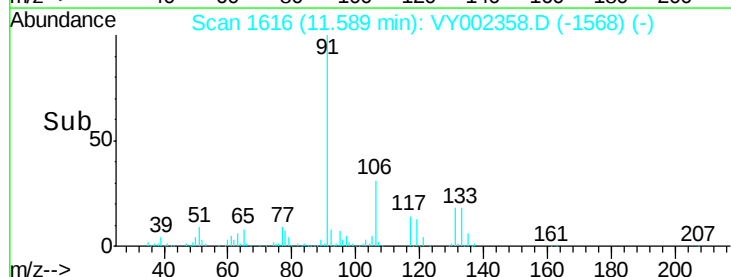
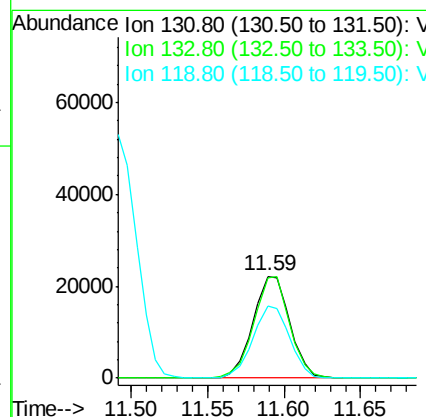
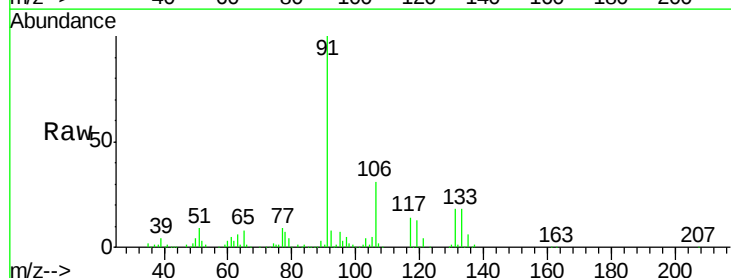
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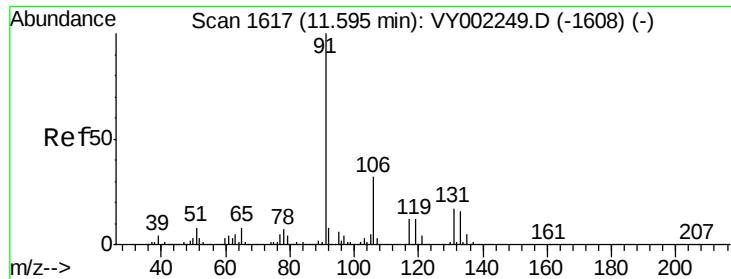
MMDadoda
4/17/2020 11:52:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.763 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion:131 Resp: 37110
Ion Ratio Lower Upper
131 100
133 97.2 46.5 139.3
119 70.4 34.5 103.6





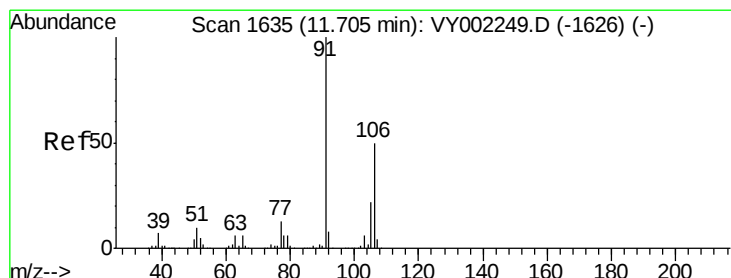
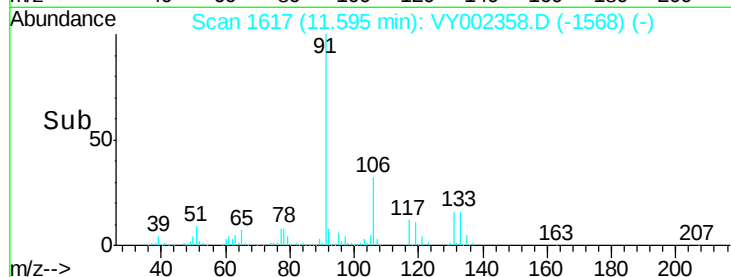
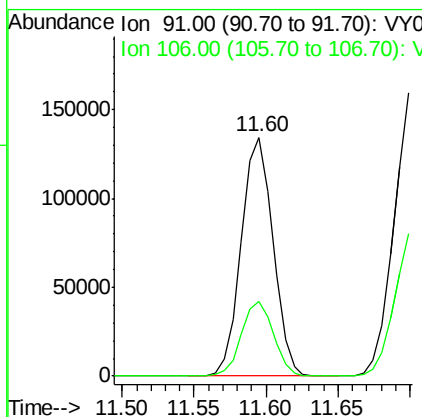
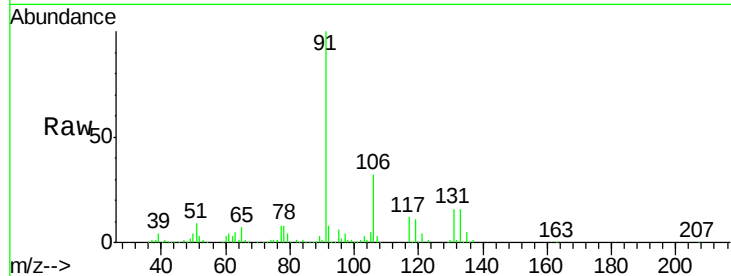
#67
Ethyl Benzene
Concen: 20.753 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 91 Resp: 205663
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

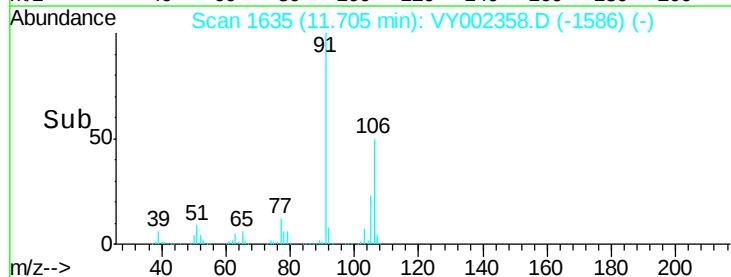
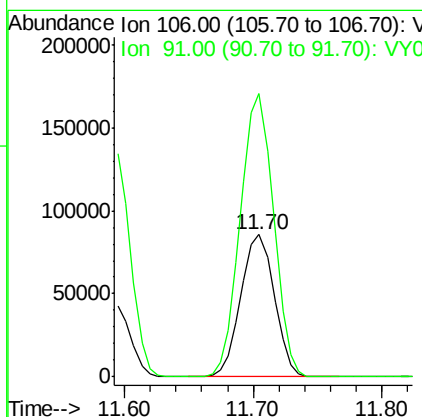
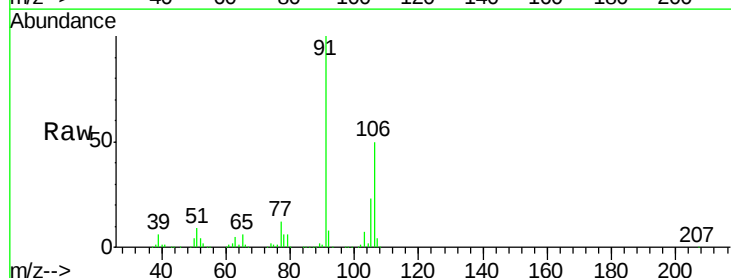
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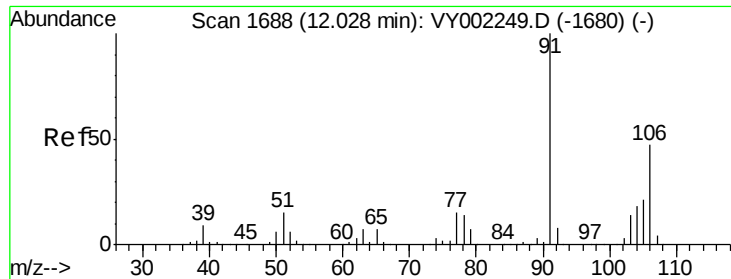
MMDadoda
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#68
m/p-Xylenes
Concen: 41.766 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 106 Resp: 155028
Ion Ratio Lower Upper
106 100
91 197.1 159.8 239.6





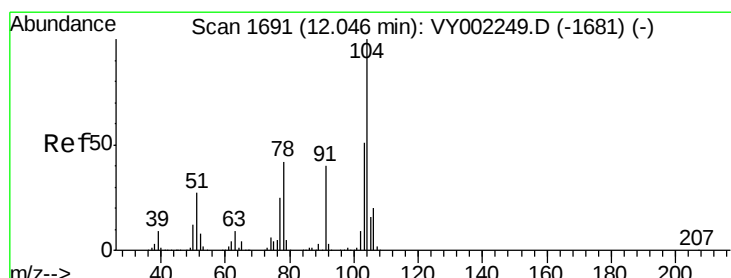
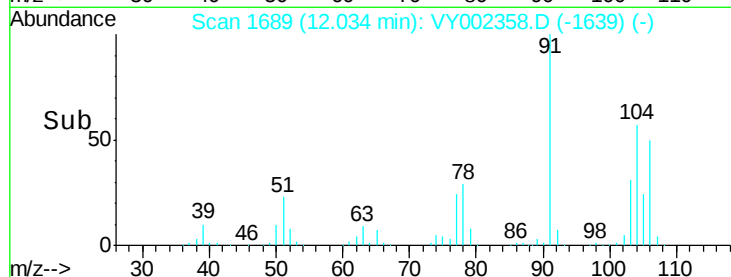
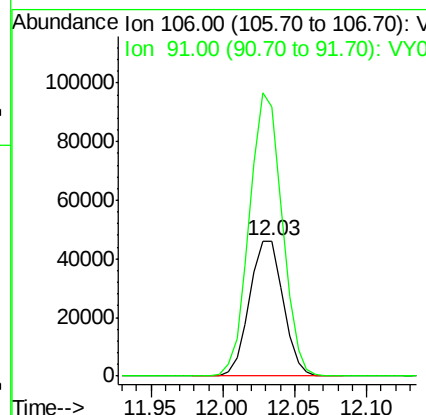
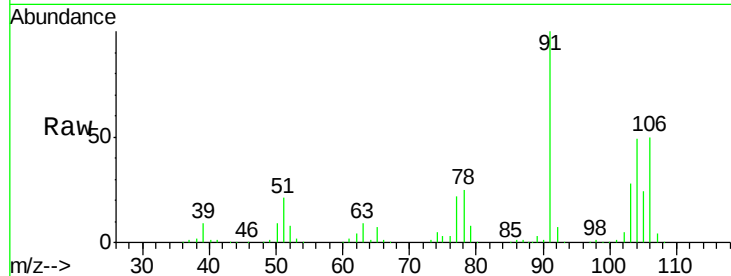
#69
o-Xylene
Concen: 21.358 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion:106 Resp: 74427
Ion Ratio Lower Upper
106 100
91 203.4 105.8 317.3

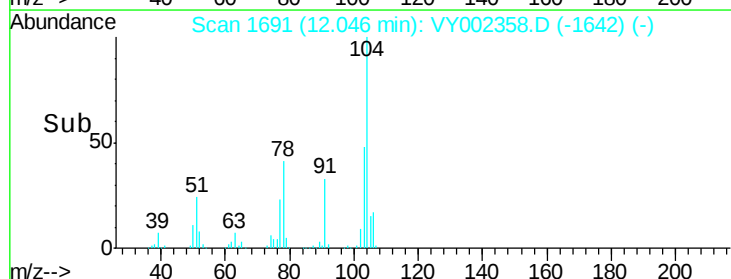
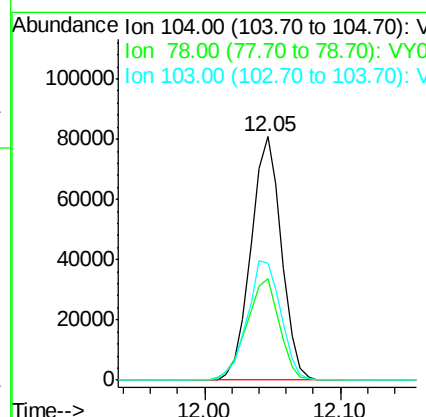
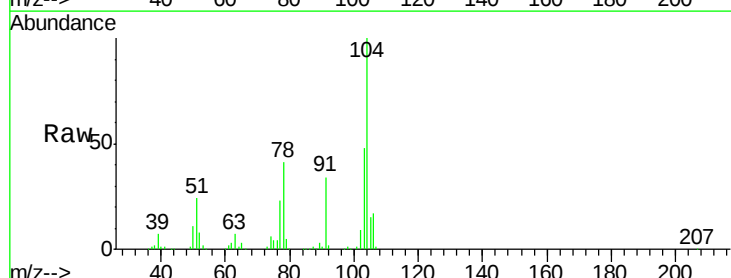
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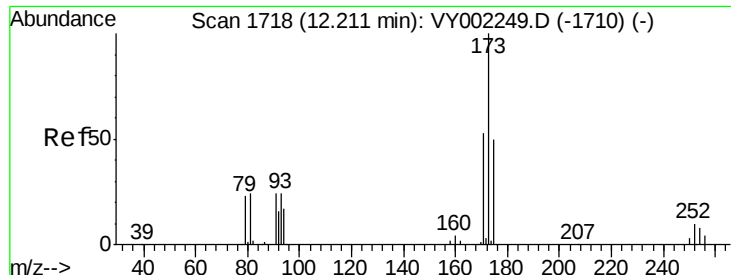
MMDadoda
4/17/2020 11:52:10 AM



#70
Styrene
Concen: 21.043 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion:104 Resp: 127227
Ion Ratio Lower Upper
104 100
78 44.8 37.2 55.8
103 54.0 43.4 65.0





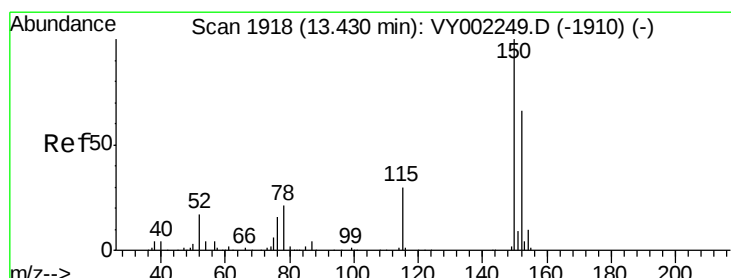
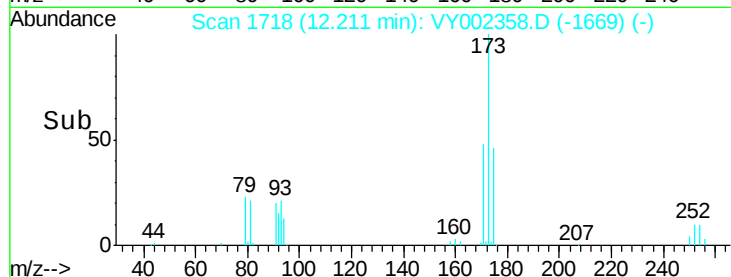
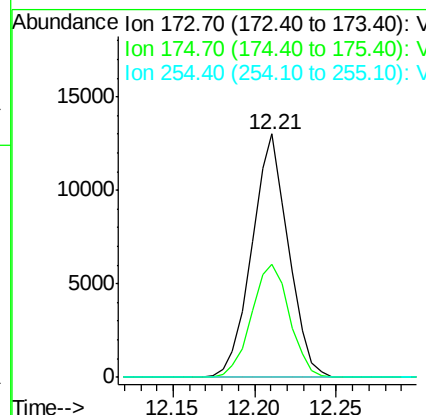
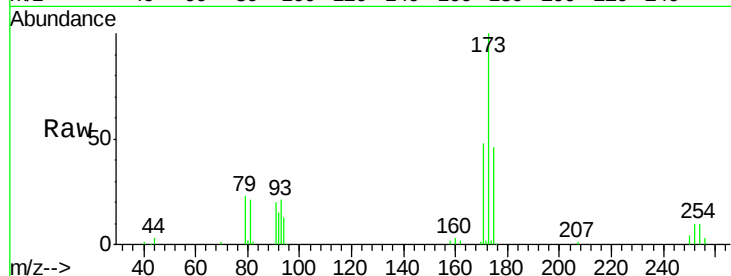
#71
Bromoform
Concen: 20.825 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.0	0.0	0.0

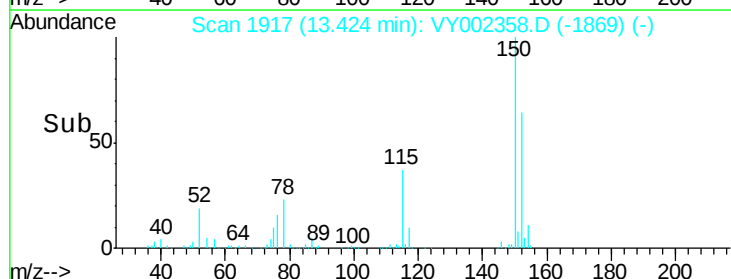
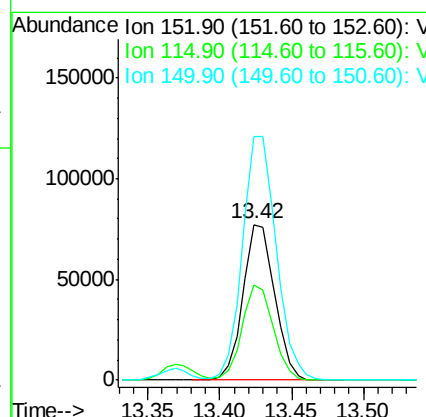
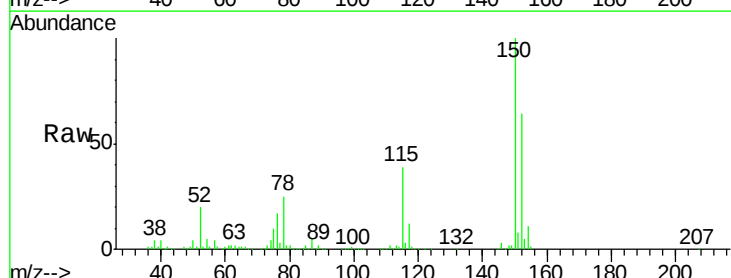
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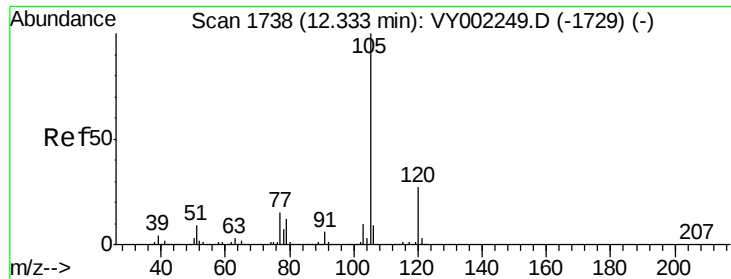
MMDadoda
4/17/2020 11:52:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.7	92.1
150	166.4	0.0	350.6





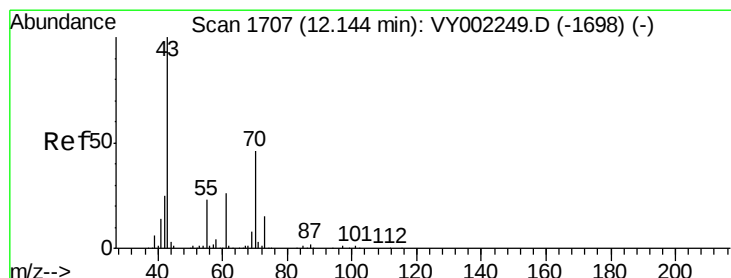
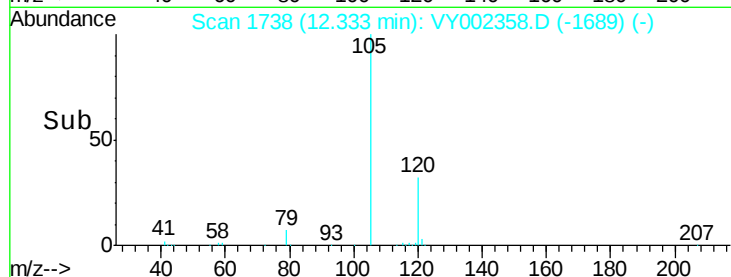
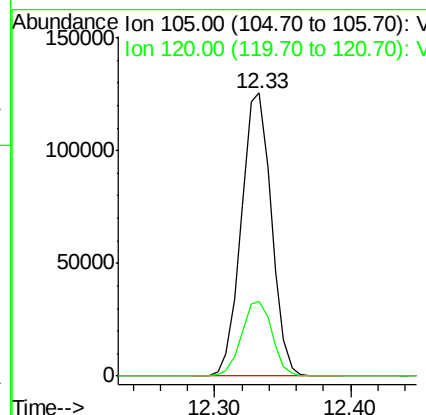
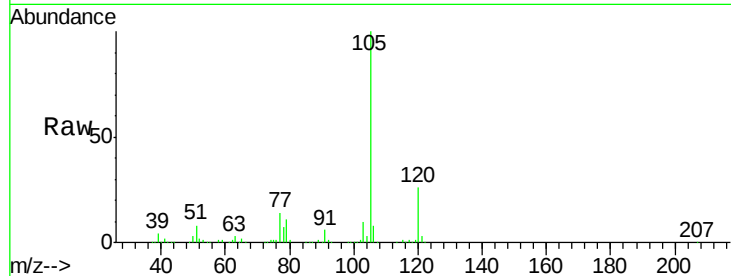
#73
Isopropylbenzene
Concen: 20.866 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

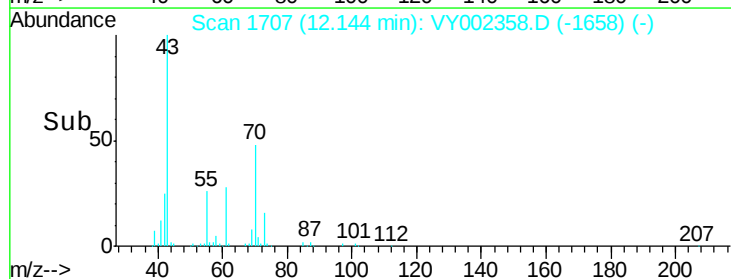
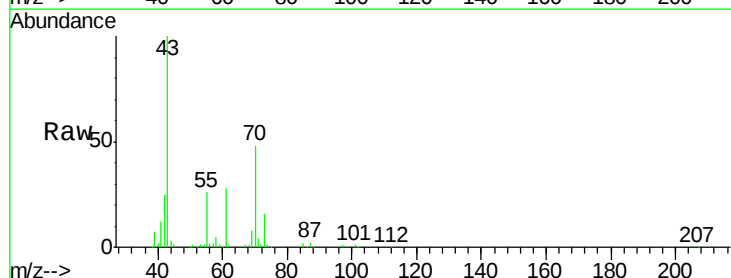
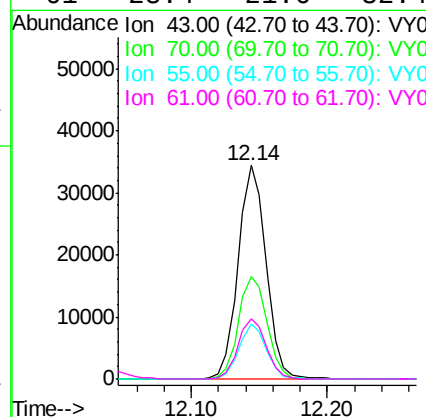
Manual Integrations
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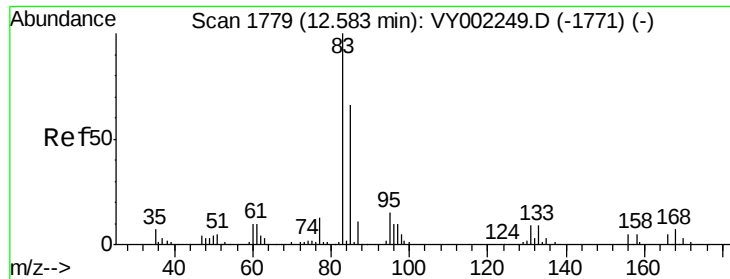
MMDadoda
4/17/2020 11:52:10 AM



#74
N-ethyl acetate
Concen: 18.637 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.0	37.5	56.3
55	25.3	19.0	28.6
61	28.4	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.819 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

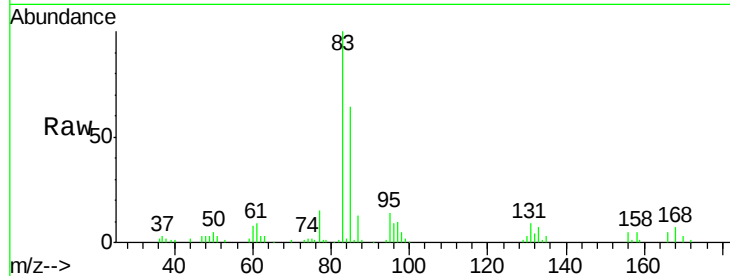
ClientSampleId :

VY0416SBS01

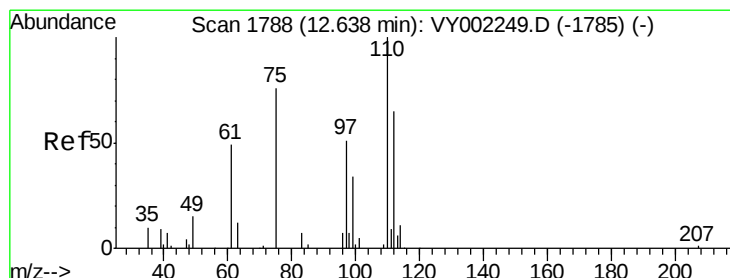
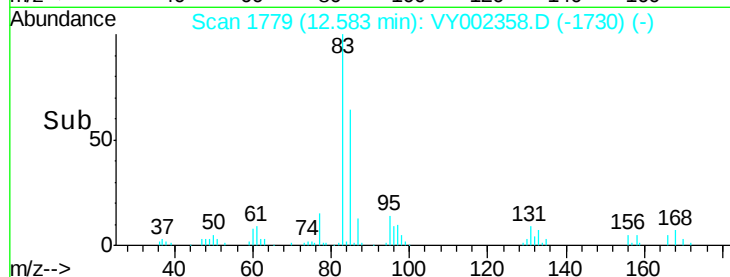
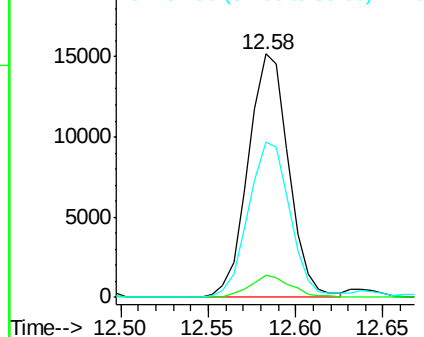
Tot Ion:	83	Resp:	24493
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	65.1	32.6	97.8

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4/17/2020 11:52:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 20.688 ug/l m

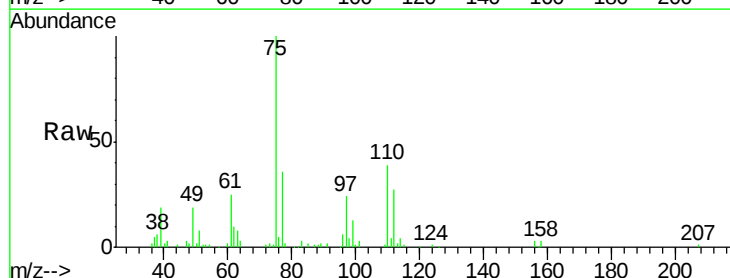
RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

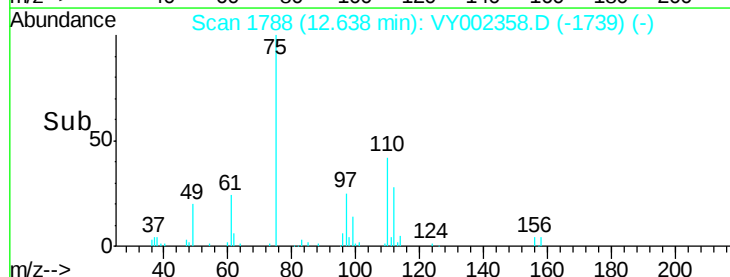
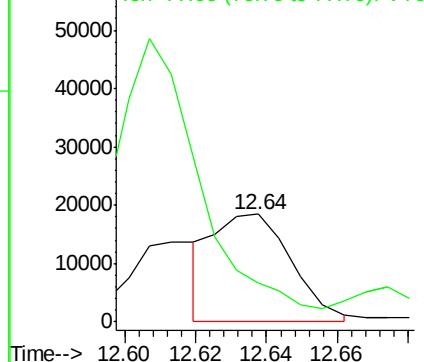
Lab File: VY002358.D

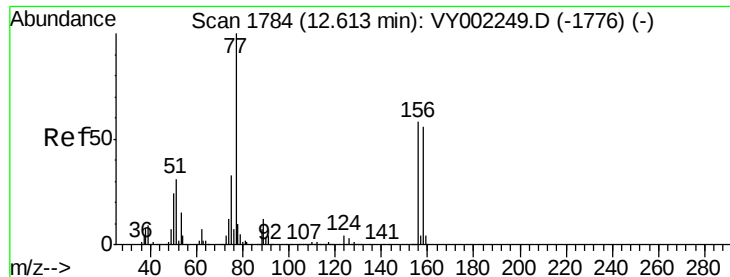
Acq: 16 Apr 2020 11:56

Tgt Ion:	75	Resp:	28372
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.336 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:156 Resp: 43553

Ion Ratio Lower Upper

156 100

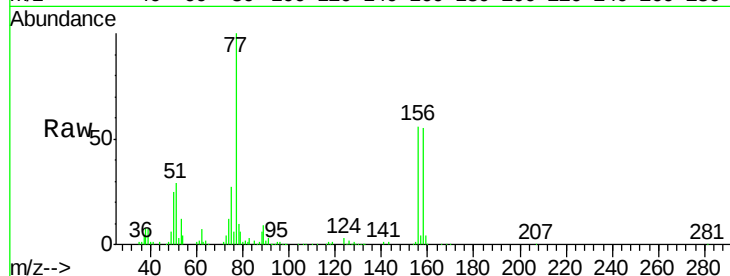
77 193.1 101.3 303.9

158 95.3 48.3 144.8

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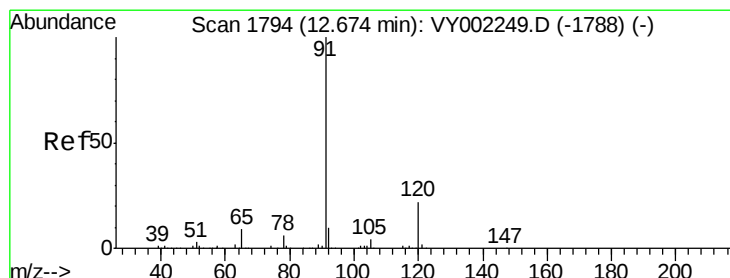
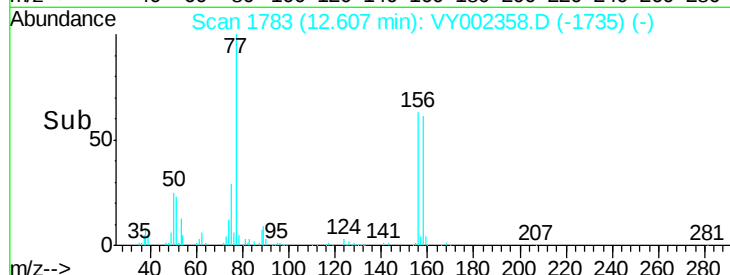
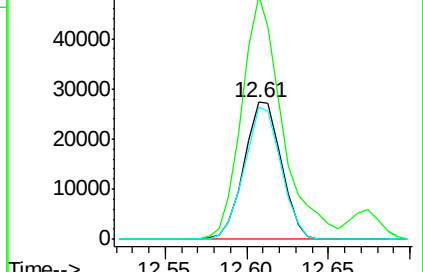
4/17/2020 11:52:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.573 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002358.D

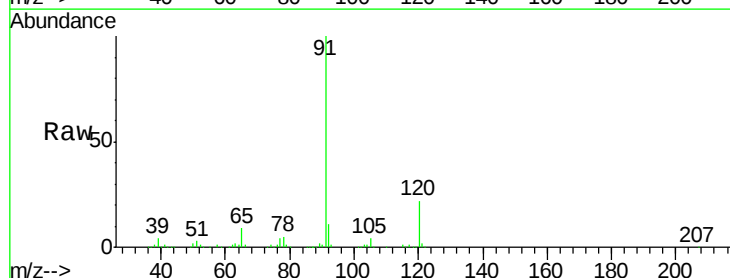
Acq: 16 Apr 2020 11:56

Tgt Ion: 91 Resp: 237409

Ion Ratio Lower Upper

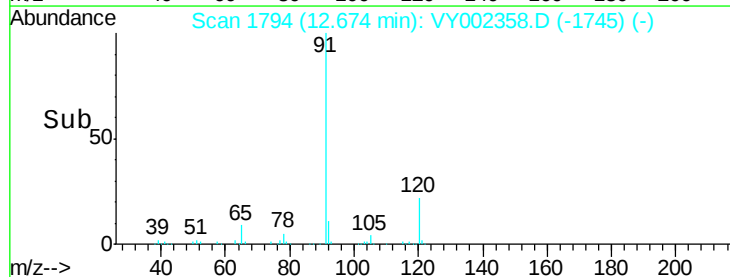
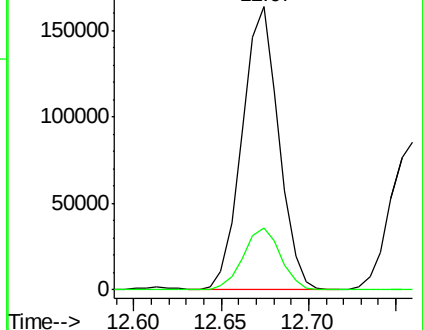
91 100

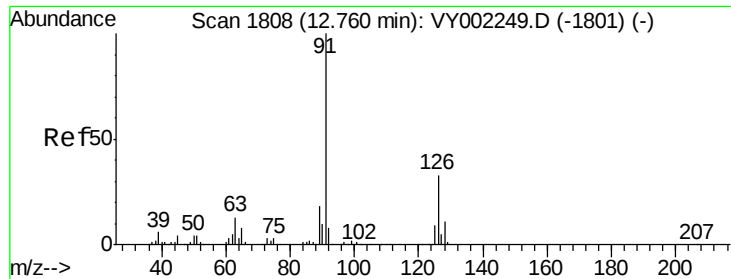
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.767 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 91 Resp: 130230

Ion Ratio Lower Upper

91 100

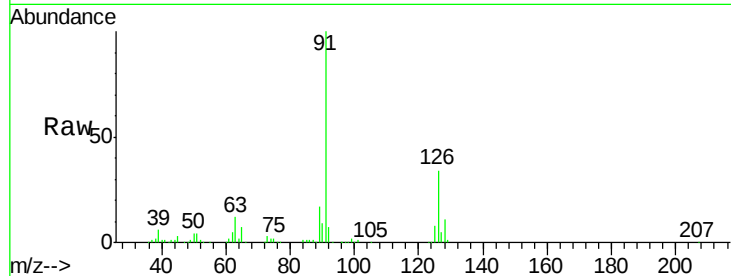
126 34.0 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY002249.D (-1801) (-)

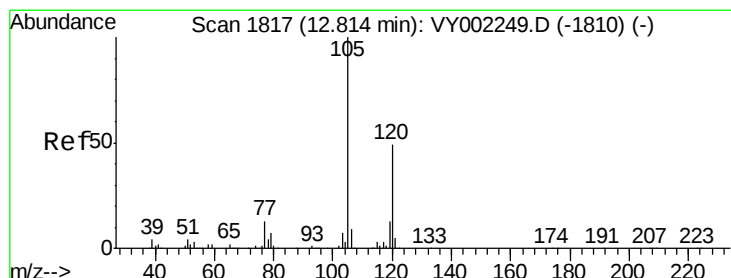
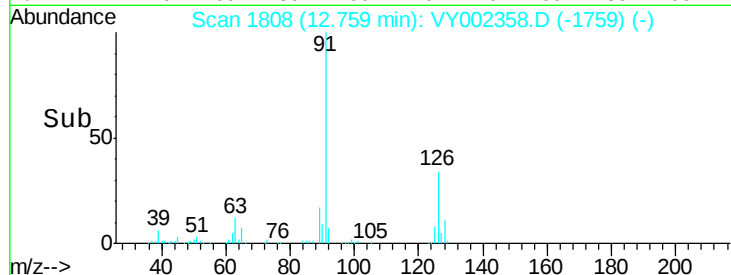
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.052 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002358.D

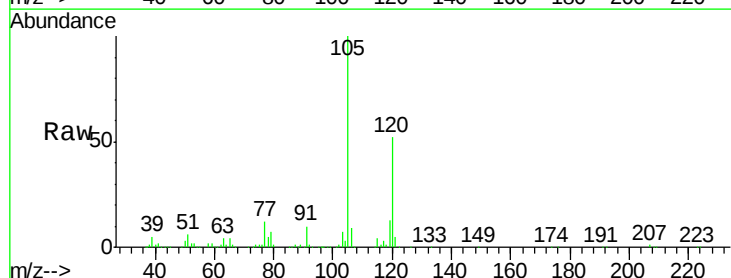
Acq: 16 Apr 2020 11:56

Tgt Ion: 105 Resp: 161543

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1810) (-)

120000

100000

80000

60000

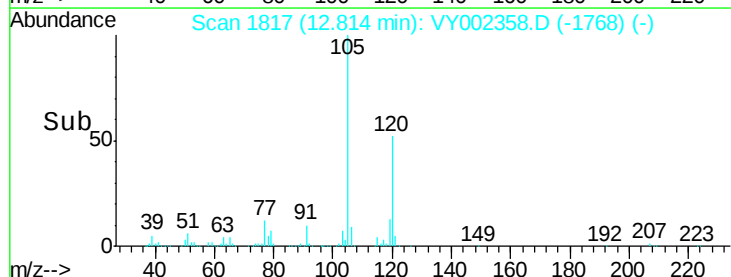
40000

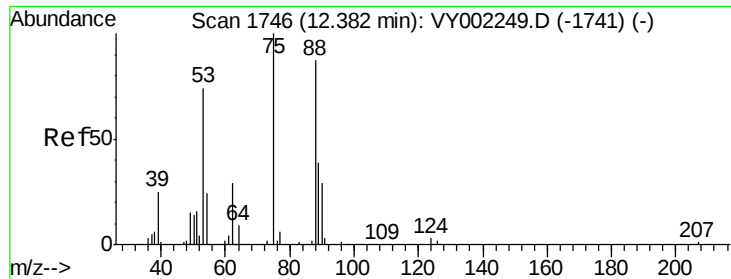
20000

0

12.80 12.81 12.90

Time-->





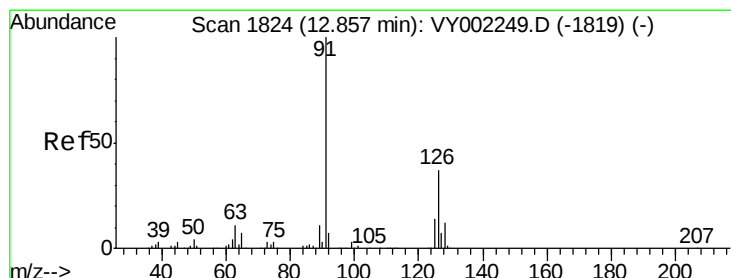
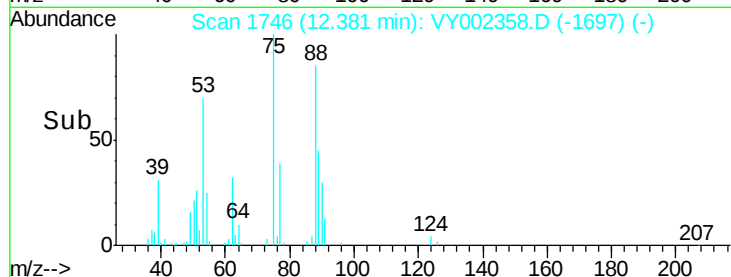
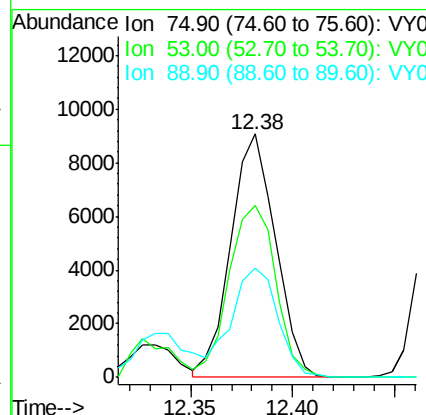
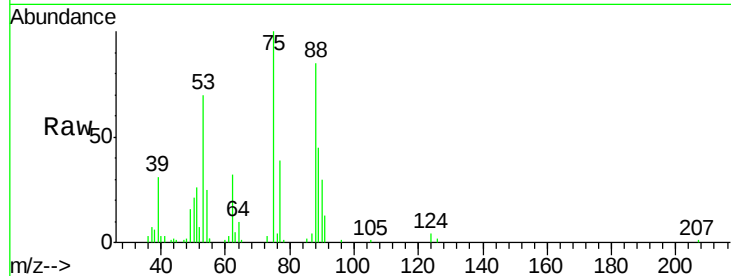
#81
trans-1,4-Dichloro-2-butene
Concen: 19.574 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.0	59.8	89.8
89	46.5	37.0	55.6

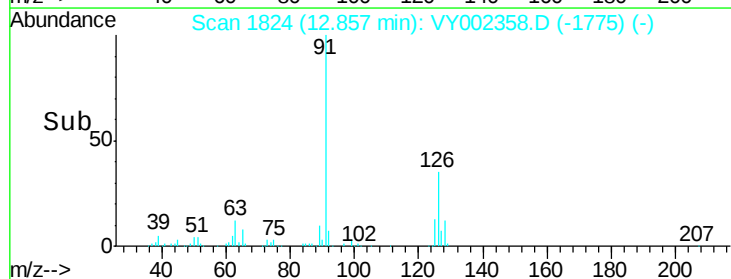
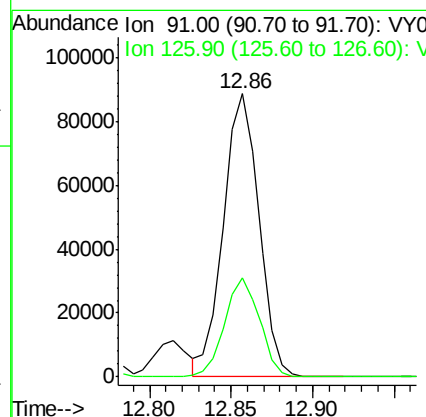
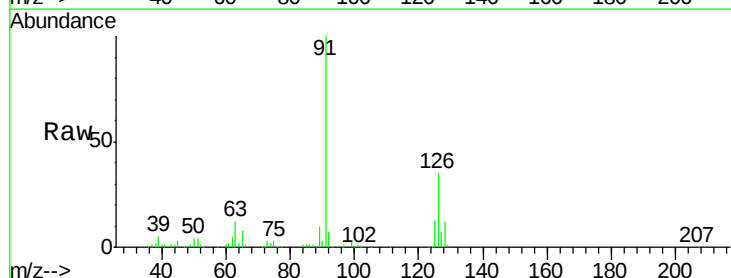
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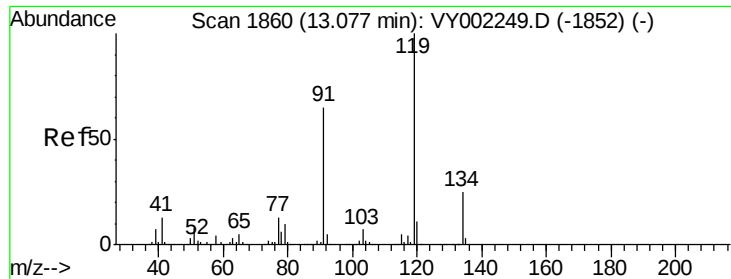
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#82
4-Chlorotoluene
Concen: 20.517 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.7





#83

tert-Butylbenzene

Concen: 21.061 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

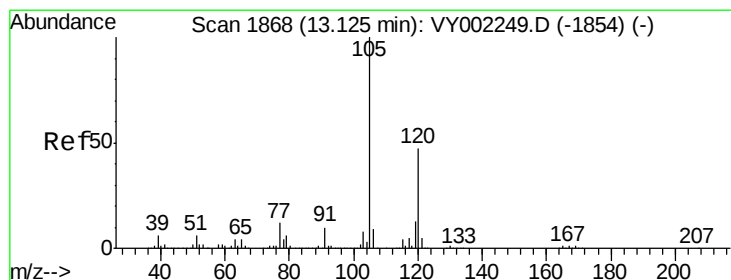
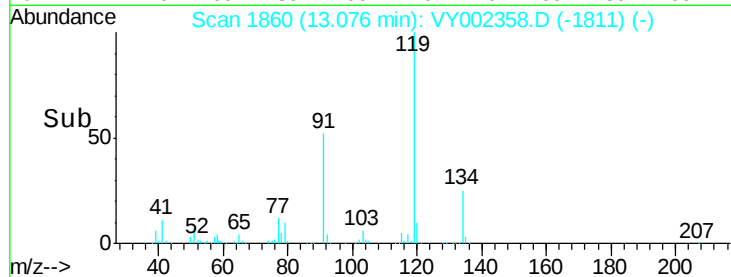
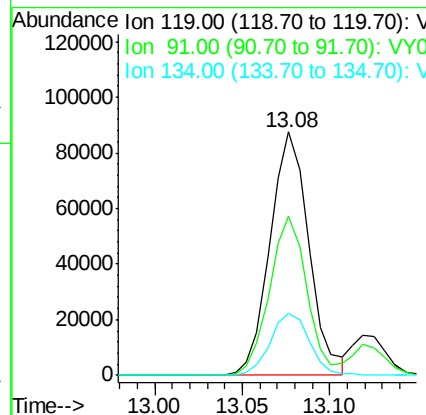
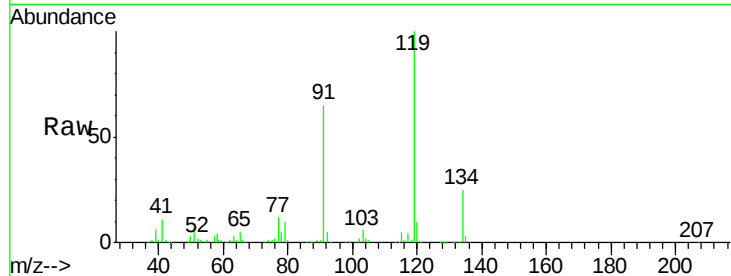
ClientSampleId :

VY0416SBS01

Tot Ion:	119	Resp:	135370
Ion Ratio	Lower	Upper	
119	100		
91	62.4	32.4	97.0
134	25.8	12.6	37.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.878 ug/l

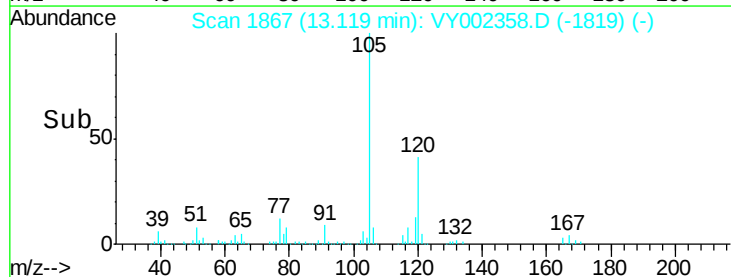
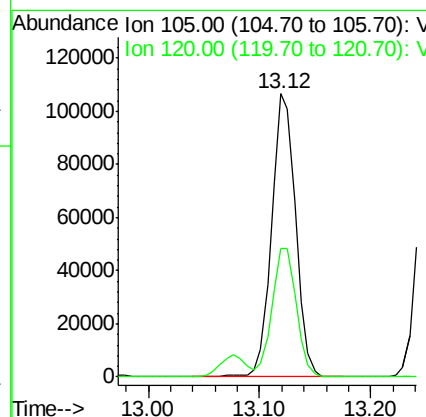
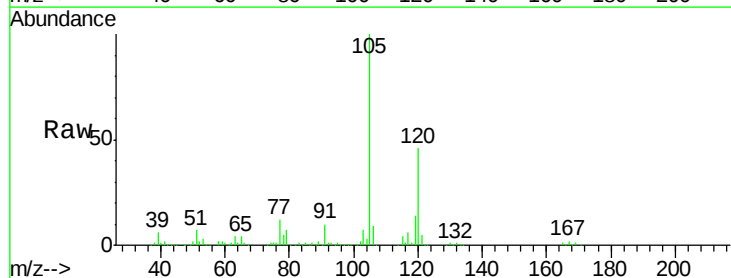
RT: 13.12 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Tgt Ion:	105	Resp:	159980
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.038 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:105 Resp: 201441

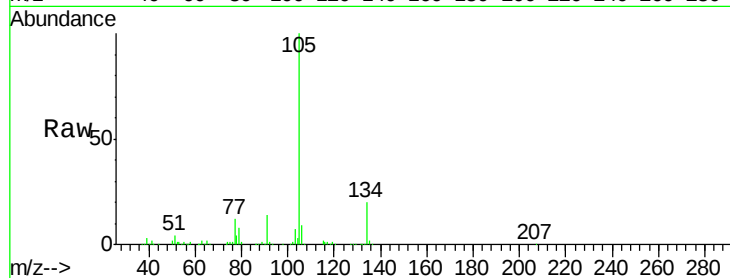
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

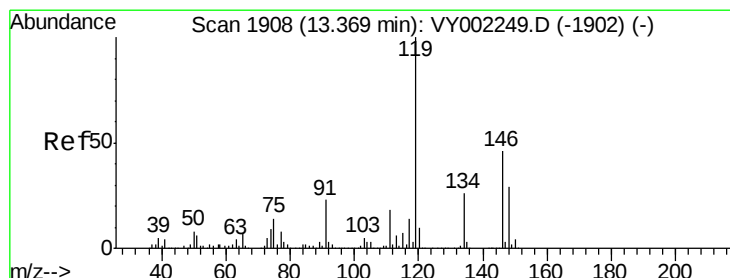
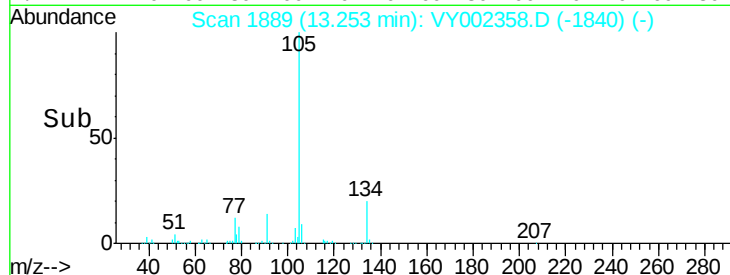
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.181 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002358.D

Acq: 16 Apr 2020 11:56

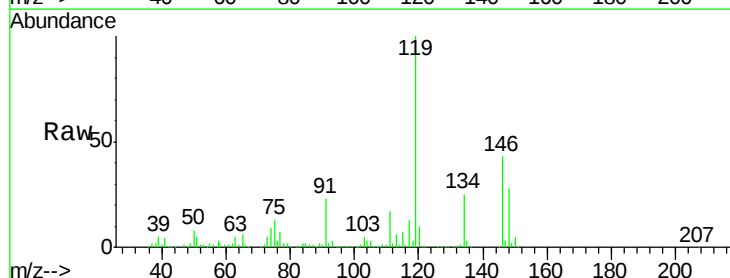
Tgt Ion:119 Resp: 174552

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

91 22.5 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

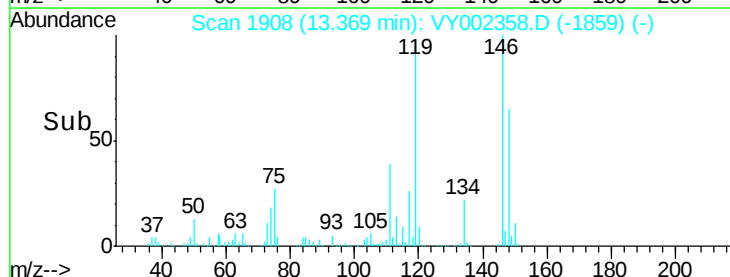
150000

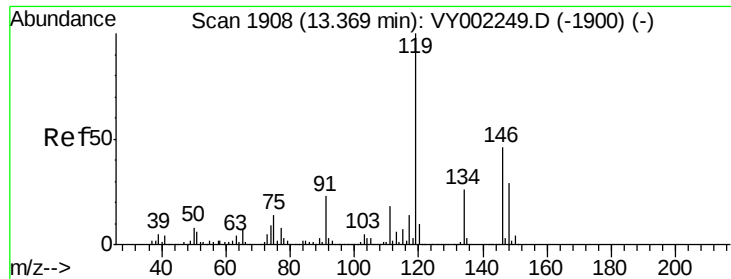
100000

50000

0

Time-->





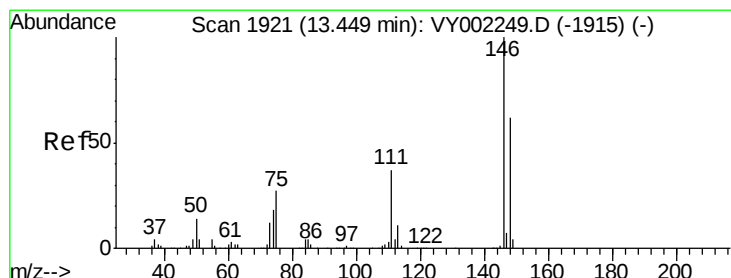
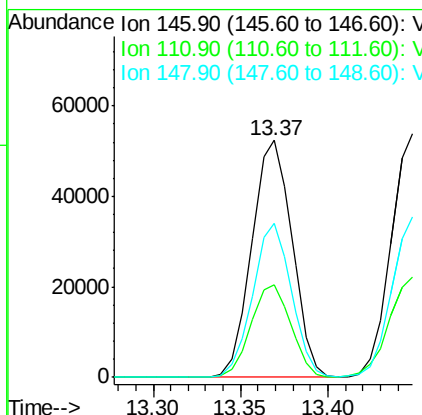
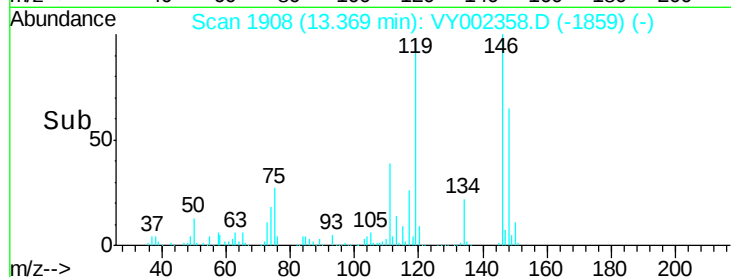
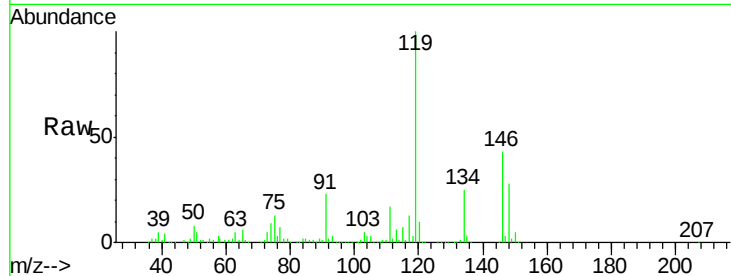
#87
 1,3-Dichlorobenzene
 Concen: 21.228 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	62.4	32.1	96.3

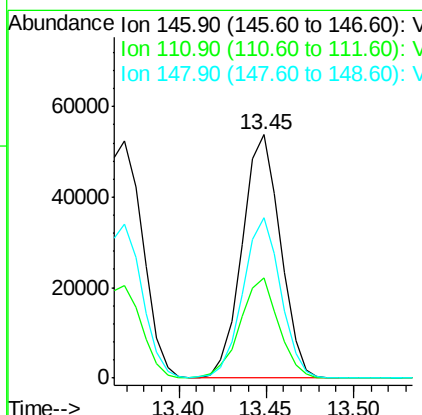
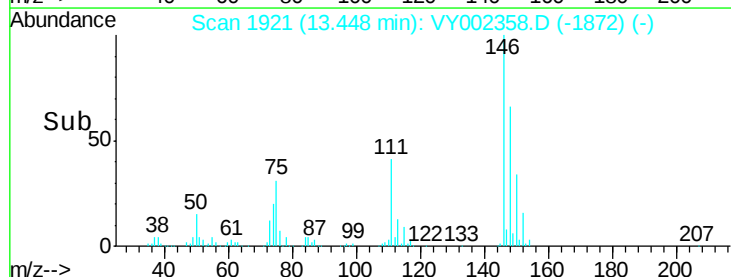
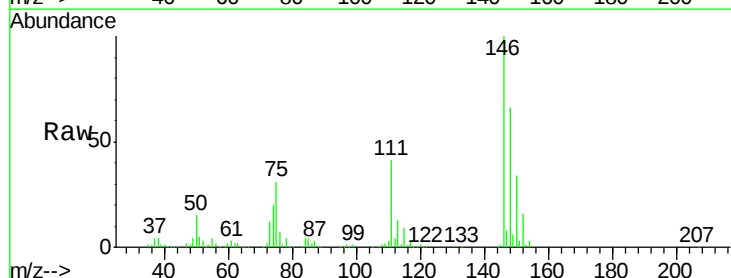
Manual Integrations
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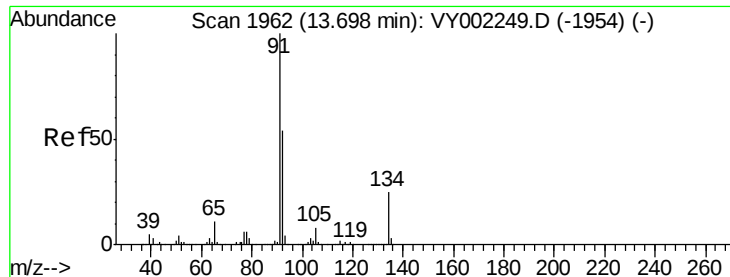
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#88
 1,4-Dichlorobenzene
 Concen: 20.377 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.8
148	65.0	32.0	96.0





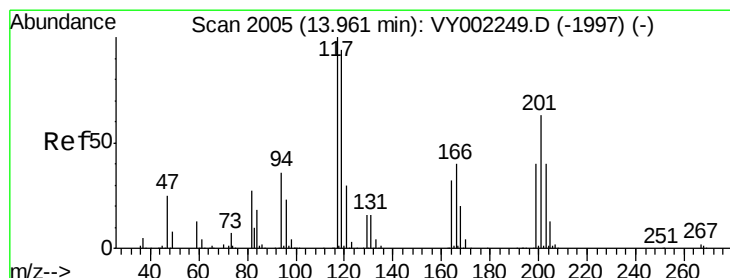
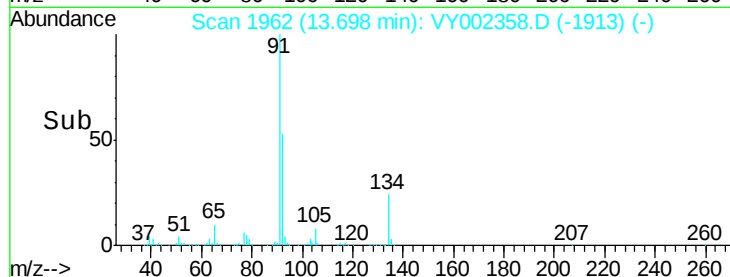
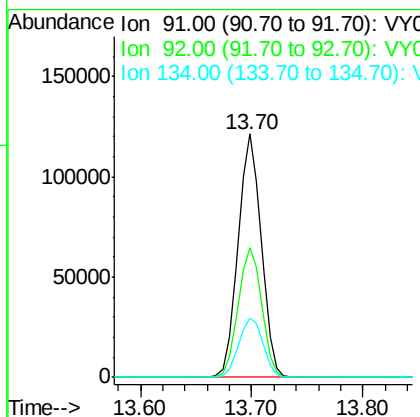
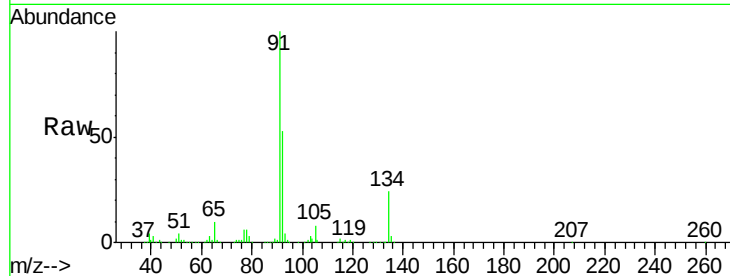
#89
n-Butylbenzene
Concen: 20.639 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.2	81.6
134	25.4	12.7	38.0

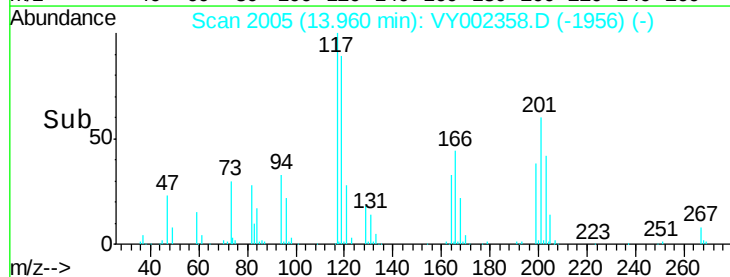
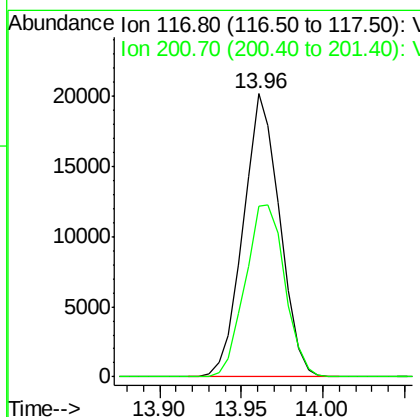
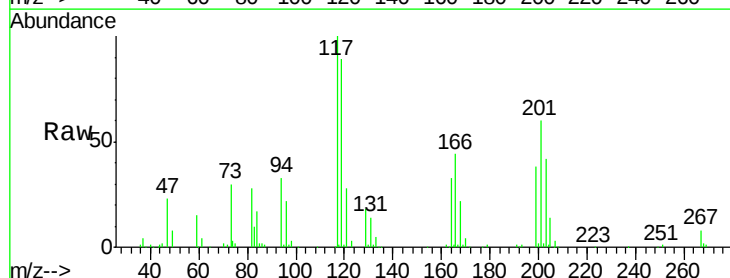
Manual Integrations
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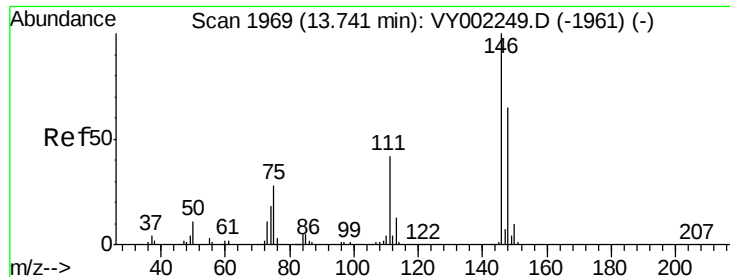
MMDadoda
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#90
Hexachloroethane
Concen: 20.020 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	33.1	99.2





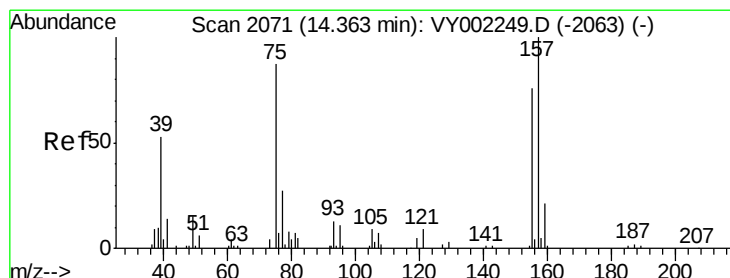
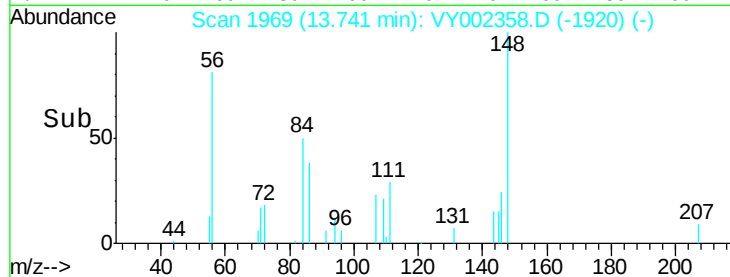
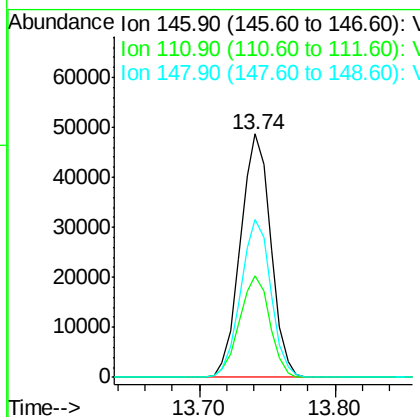
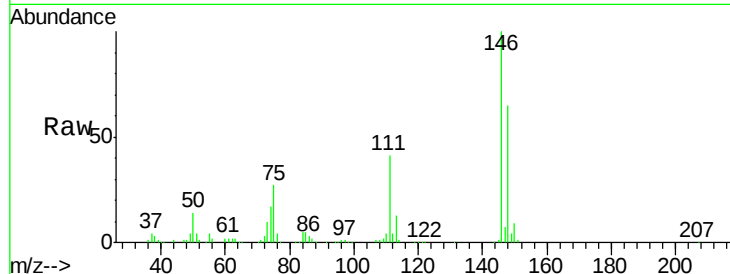
#91
 1,2-Dichlorobenzene
 Concen: 21.105 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	64.5	31.9	95.9

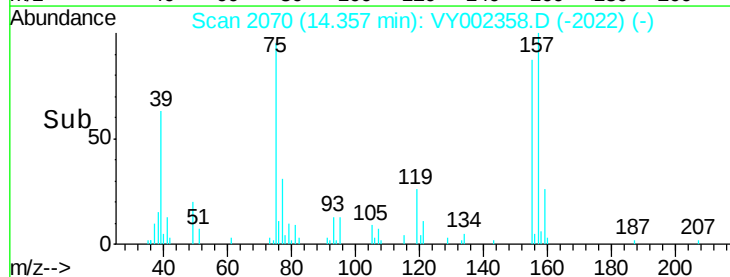
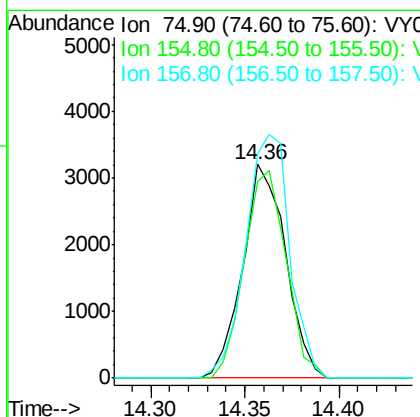
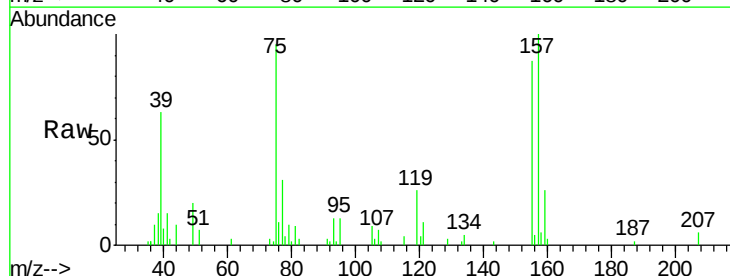
Manual Integrations
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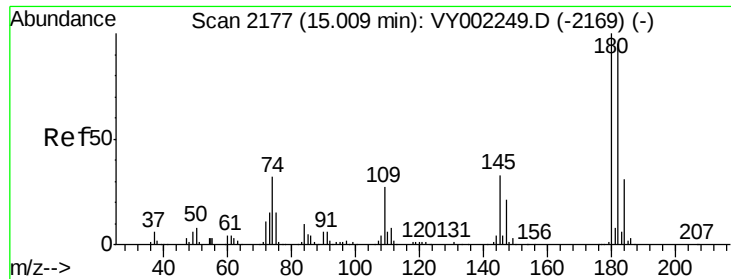
MMDadoda
 4/17/2020 11:52:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.667 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	43.6	130.8
157	117.1	56.0	168.2





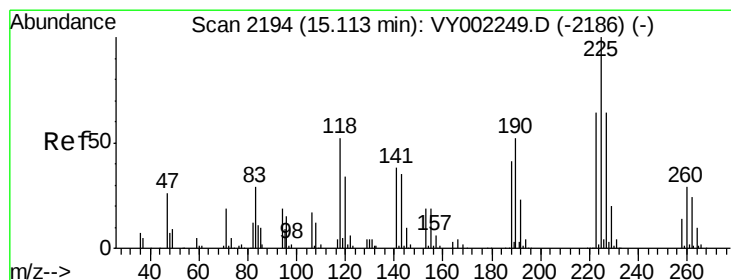
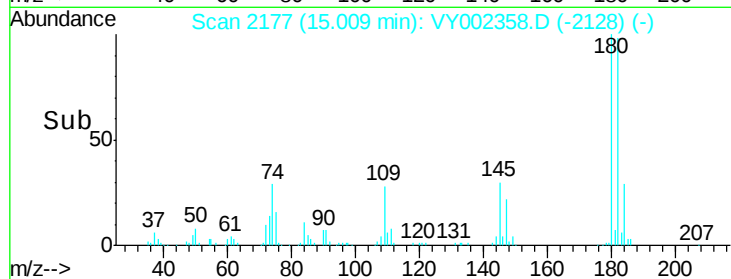
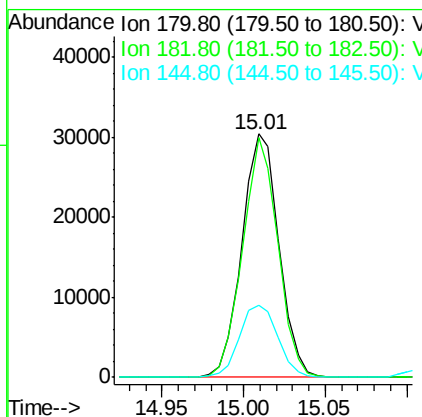
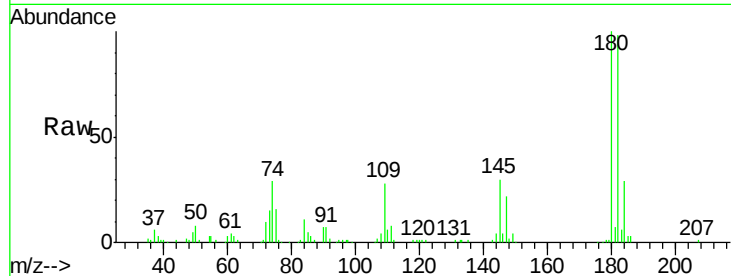
#93
 1,2,4-Trichlorobenzene
 Concen: 20.486 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	30.6	16.0	48.0

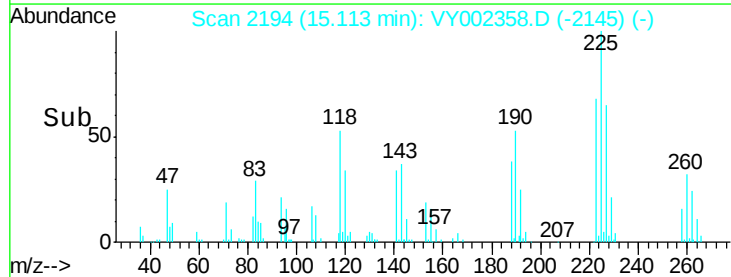
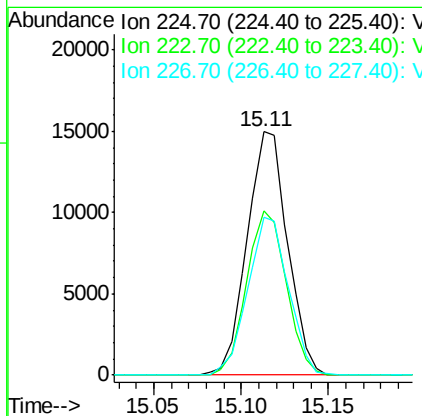
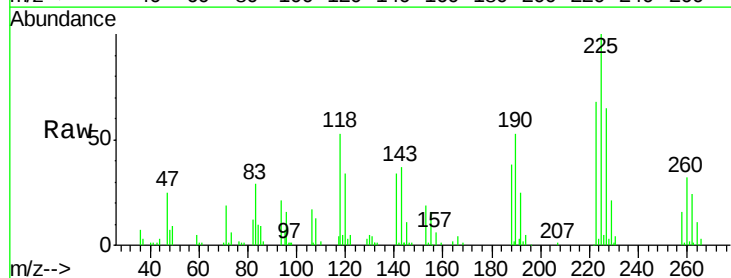
Manual Integrations
 APPROVED

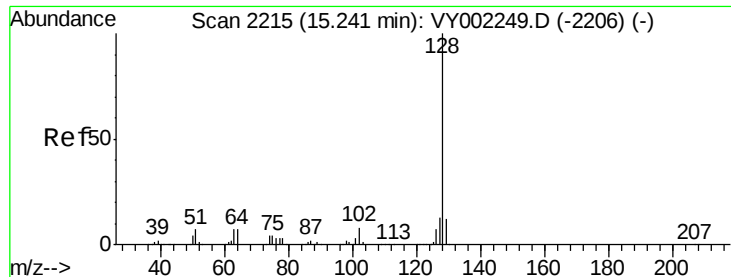
MMDadoda
 4/17/2020 11:52:10 AM



#94
 Hexachlorobutadiene
 Concen: 20.376 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002358.D
 Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	31.0	93.0
227	65.1	31.3	93.9





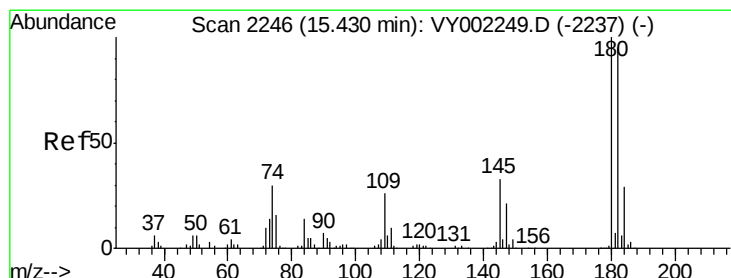
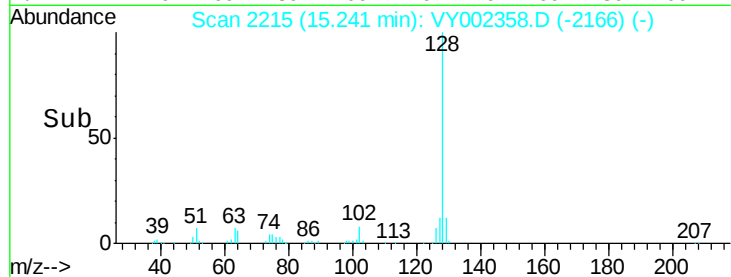
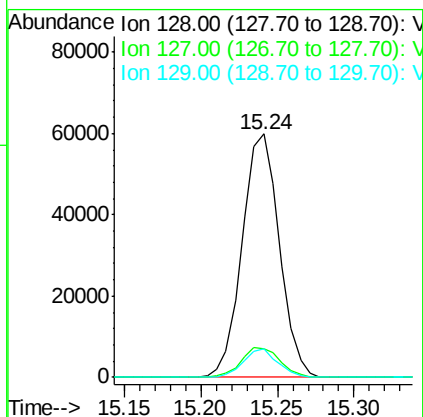
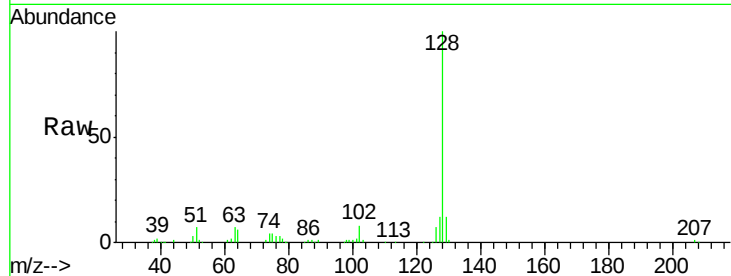
#95
Naphthalene
Concen: 19.653 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	101109		
127	12.7	10.1	15.1	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:52:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.312 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002358.D
Acq: 16 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41441		
182	93.1	47.1	141.3	
145	32.4	16.7	50.1	

