

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002357.D
 Acq On : 16 Apr 2020 11:34
 Operator : SY/MD
 Sample : VY0416SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:52:04 AM

Quant Time: Apr 17 07:26:59 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	162718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	290616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	258634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	78849	43.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.14%	
35) Dibromofluoromethane	7.73	113	88094	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.18	98	368237	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.49	95	121468	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31173	18.956	ug/l	96
3) Chloromethane	2.11	50	41345	19.976	ug/l	97
4) Vinyl Chloride	2.26	62	43113	19.570	ug/l	99
5) Bromomethane	2.65	94	28115	20.667	ug/l	98
6) Chloroethane	2.80	64	25465	20.043	ug/l	99
7) Trichlorofluoromethane	3.13	101	57610	20.249	ug/l	95
8) Diethyl Ether	3.54	74	24057	19.890	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	40383	20.896	ug/l	100
10) Methyl Iodide	4.10	142	42740	19.026	ug/l	96
11) Tert butyl alcohol	4.96	59	21242	88.575	ug/l #	86
12) 1,1-Dichloroethene	3.88	96	42553	21.658	ug/l	90
13) Acrolein	3.74	56	17278	74.054	ug/l	94
14) Allyl chloride	4.49	41	59322	18.697	ug/l	95
15) Acrylonitrile	5.17	53	54158	87.563	ug/l	99
16) Acetone	3.96	43	38940	81.703	ug/l #	87
17) Carbon Disulfide	4.20	76	134266	20.577	ug/l	99
18) Methyl Acetate	4.49	43	23947	16.199	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	95477	18.484	ug/l	99
20) Methylene Chloride	4.72	84	50739	21.660	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	45757	20.748	ug/l	98
22) Diisopropyl ether	6.13	45	120630	18.893	ug/l	98
23) Vinyl Acetate	6.07	43	353057	86.769	ug/l	99
24) 1,1-Dichloroethane	6.03	63	73012	20.104	ug/l	99
25) 2-Butanone	7.00	43	60094	79.674	ug/l	99
26) 2,2-Dichloropropane	6.99	77	59909	19.720	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	49808	20.719	ug/l	94
28) Bromochloromethane	7.35	49	29825	19.024	ug/l	96
29) Tetrahydrofuran	7.35	42	38582	77.385	ug/l	95
30) Chloroform	7.52	83	67688	19.772	ug/l	94
31) Cyclohexane	7.79	56	75121	19.705	ug/l	87
32) 1,1,1-Trichloroethane	7.71	97	57937	20.332	ug/l	98
36) 1,1-Dichloropropene	7.92	75	58384	20.396	ug/l	99
37) Ethyl Acetate	7.08	43	26689	16.320	ug/l	98
38) Carbon Tetrachloride	7.91	117	50459	20.608	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	80365	20.639	ug/l	94
40) Benzene	8.17	78	181223	20.866	ug/l	99
41) Methacrylonitrile	7.34	41	18111m	18.774	ug/l	
42) 1,2-Dichloroethane	8.24	62	39147	18.196	ug/l	96
43) Isopropyl Acetate	8.28	43	48070	16.118	ug/l	94
44) Trichloroethene	8.94	130	52363	20.507	ug/l	92
45) 1,2-Dichloropropane	9.22	63	43097	20.000	ug/l	100
46) Dibromomethane	9.31	93	22063	19.582	ug/l	99
47) Bromodichloromethane	9.50	83	51259	19.828	ug/l	97
48) Methyl methacrylate	9.30	41	20759	15.523	ug/l	90
49) 1,4-Dioxane	9.30	88	5720	358.897	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	123914	79.734	ug/l	98
52) Toluene	10.25	92	111090	21.225	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	53405	18.960	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	67702	19.992	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	32329	19.599	ug/l	99
56) Ethyl methacrylate	10.52	69	42878	18.213	ug/l	92
57) 1,3-Dichloropropane	10.80	76	55903	19.281	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	115960	95.114	ug/l	99
59) 2-Hexanone	10.83	43	84163	78.031	ug/l	96
60) Dibromochloromethane	10.99	129	34161	19.422	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30085	19.158	ug/l	99
64) Tetrachloroethene	10.72	164	54979	21.026	ug/l	99
65) Chlorobenzene	11.52	112	112889	20.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	37108	20.906	ug/l	98
67) Ethyl Benzene	11.59	91	205589	20.889	ug/l	99
68) m/p-Xylenes	11.70	106	157567	42.744	ug/l	97
69) o-Xylene	12.03	106	72776	21.028	ug/l	96
70) Styrene	12.05	104	124851	20.793	ug/l	98
71) Bromoform	12.21	173	18398	19.060	ug/l #	100
73) Isopropylbenzene	12.33	105	195857	21.598	ug/l	99
74) N-amyl acetate	12.15	43	42774	16.617	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	21833	19.900	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	24032m	17.929	ug/l	
77) Bromobenzene	12.61	156	41765	20.934	ug/l	96
78) n-propylbenzene	12.67	91	239879	21.269	ug/l	100
79) 2-Chlorotoluene	12.76	91	127061	20.730	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	159210	21.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12924	18.753	ug/l	98
82) 4-Chlorotoluene	12.86	91	134048	20.866	ug/l	100
83) tert-Butylbenzene	13.08	119	131994	21.011	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	157723	21.060	ug/l	100
85) sec-Butylbenzene	13.26	105	199048	21.270	ug/l	99
86) p-Isopropyltoluene	13.38	119	172550	21.423	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	82161	21.249	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	81240	20.699	ug/l	99
89) n-Butylbenzene	13.70	91	173285	20.989	ug/l	99
90) Hexachloroethane	13.97	117	31773	20.702	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	71958	20.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4432	16.702	ug/l	95

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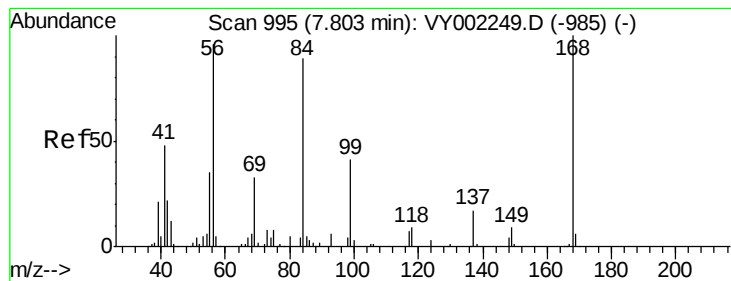
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44553	19.400	ug/l	97
94) Hexachlorobutadiene	15.12	225	23125	19.993	ug/l	98
95) Naphthalene	15.25	128	86984	17.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	36104	18.106	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:168 Resp: 162718

Ion Ratio Lower Upper

168 100

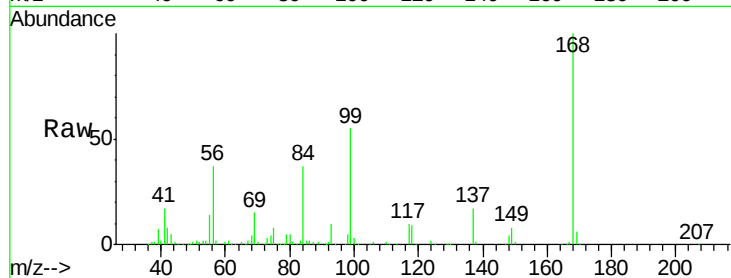
99 54.9 48.0 72.0

Manual Integrations

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4/17/2020 11:52:04 AM



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

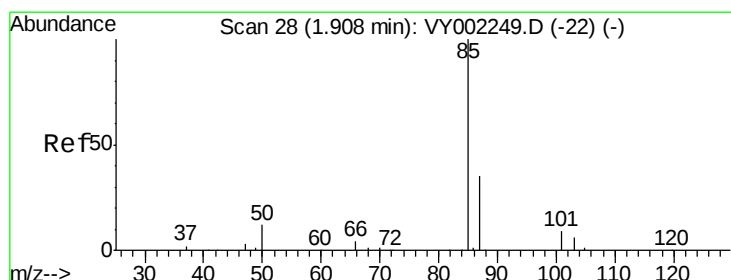
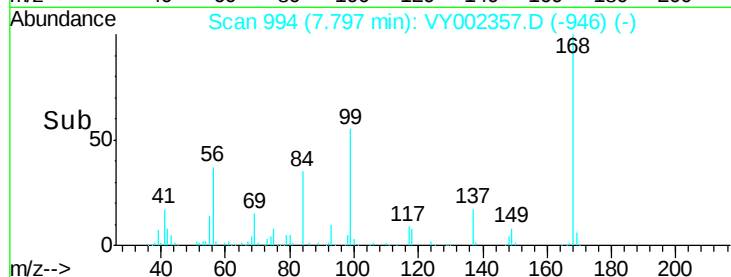
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.956 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002357.D

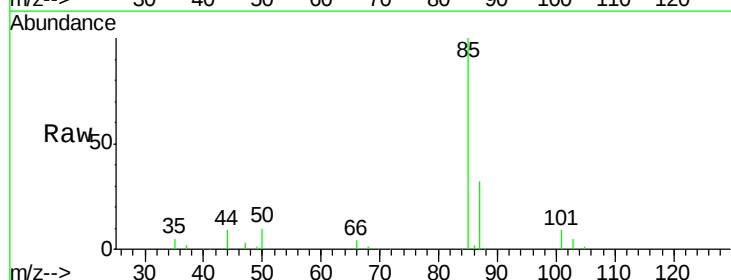
Acq: 16 Apr 2020 11:34

Tgt Ion: 85 Resp: 31173

Ion Ratio Lower Upper

85 100

87 32.1 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

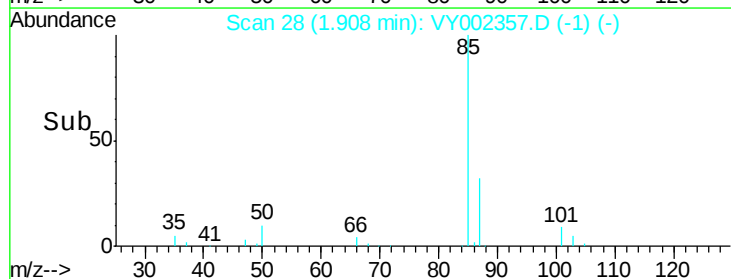
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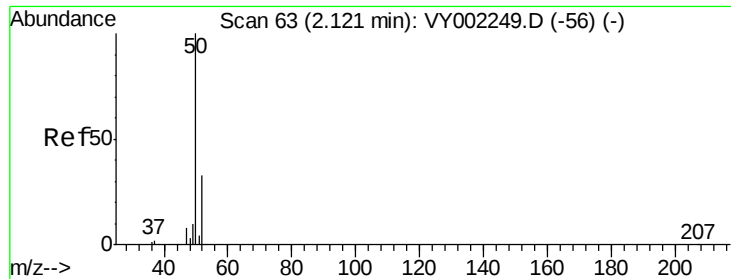
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.976 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 50 Resp: 41345

Ion Ratio Lower Upper

50 100

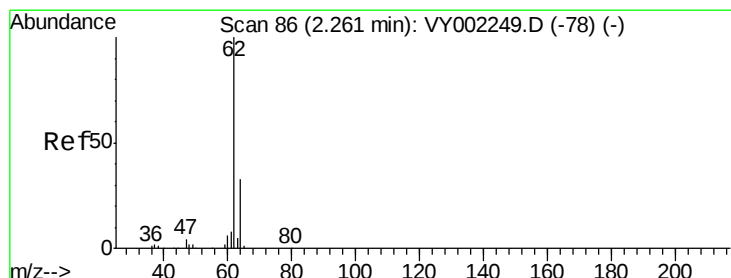
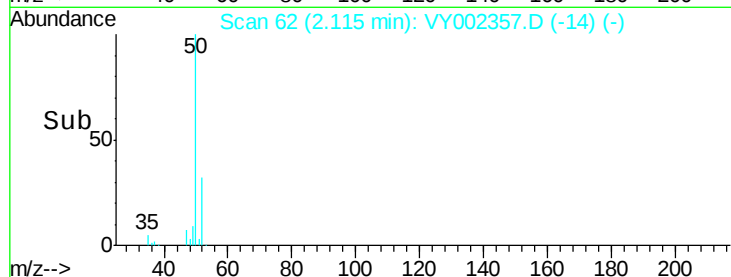
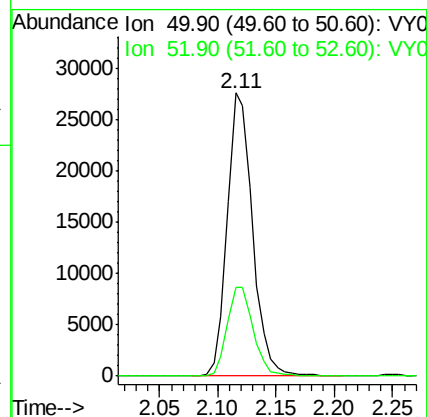
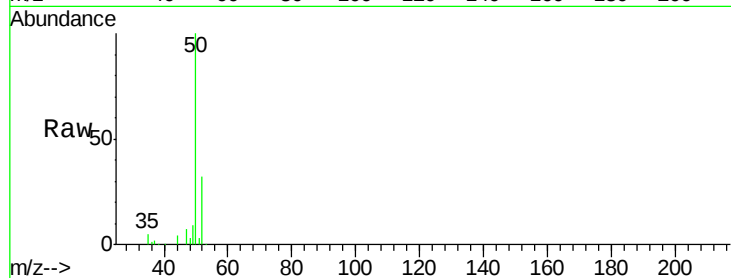
52 31.5 26.6 39.8

Manual Integrations

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4/17/2020 11:52:04 AM



#4

Vinyl Chloride

Concen: 19.570 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002357.D

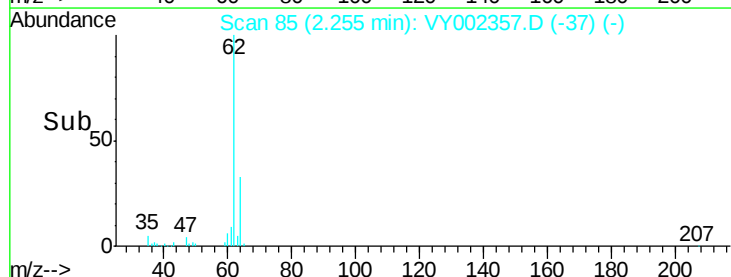
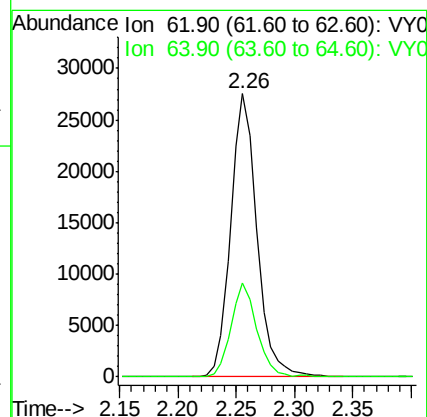
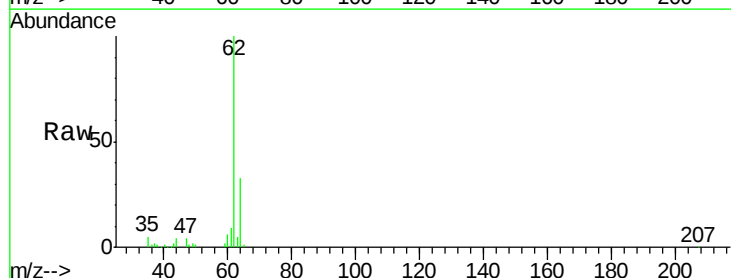
Acq: 16 Apr 2020 11:34

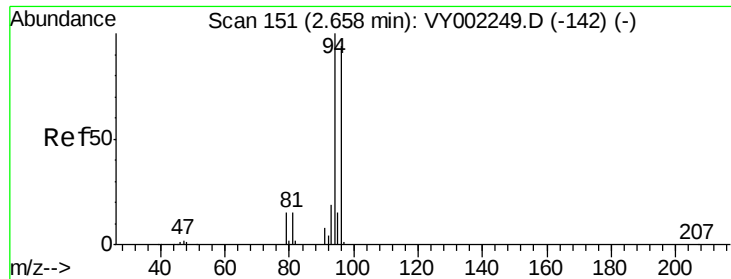
Tgt Ion: 62 Resp: 43113

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.2





#5

Bromomethane

Concen: 20.667 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 94 Resp: 28115

Ion Ratio Lower Upper

94 100

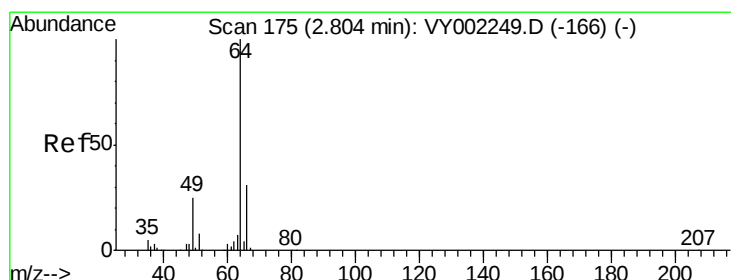
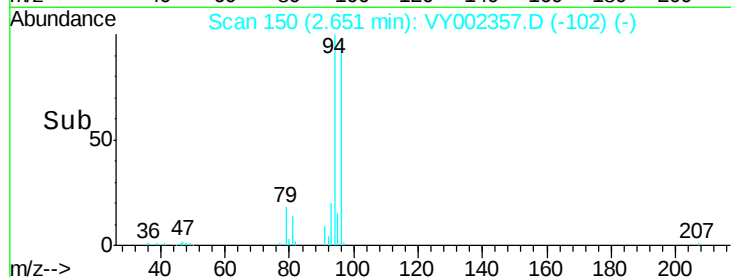
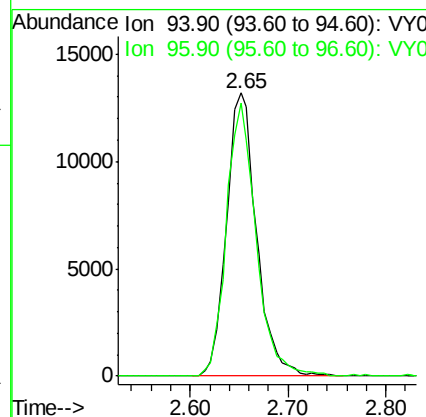
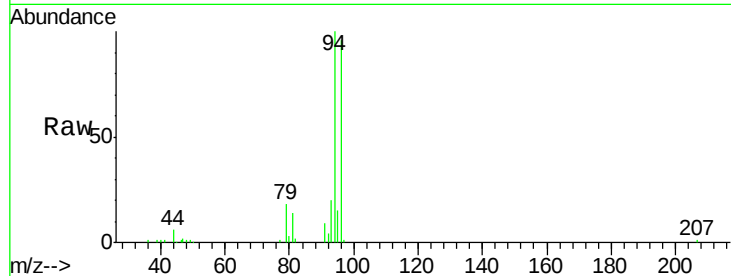
96 96.5 75.6 113.4

Manual Integrations

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4/17/2020 11:52:04 AM



#6

Chloroethane

Concen: 20.043 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002357.D

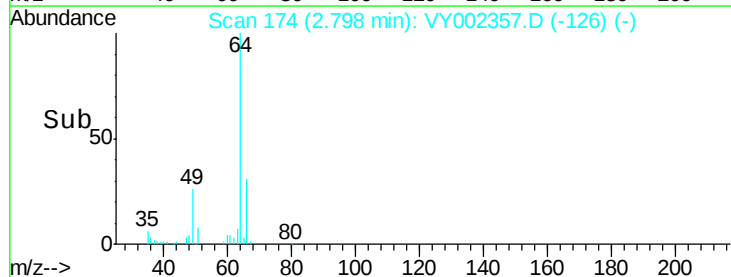
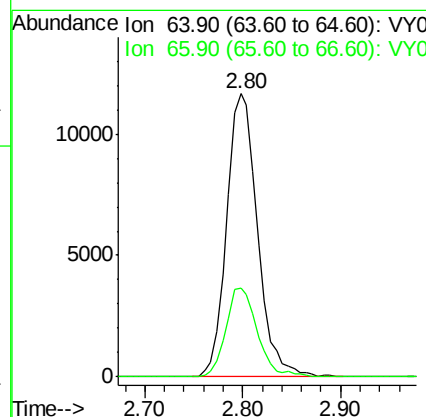
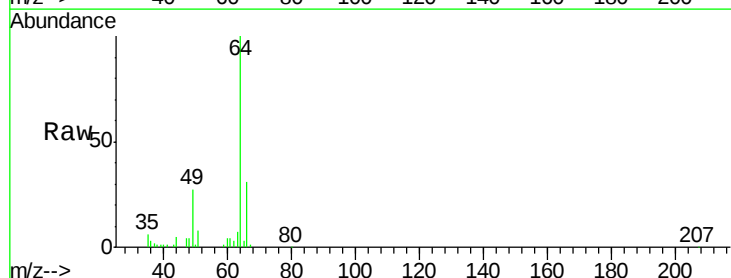
Acq: 16 Apr 2020 11:34

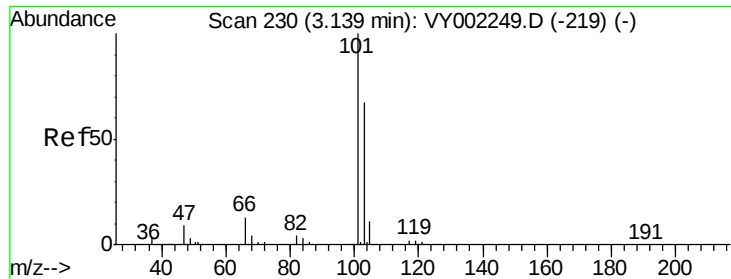
Tgt Ion: 64 Resp: 25465

Ion Ratio Lower Upper

64 100

66 31.2 24.6 37.0





#7

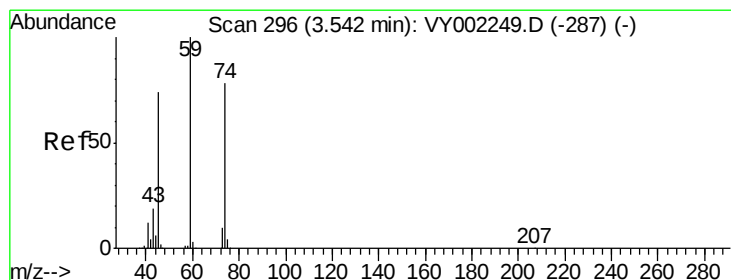
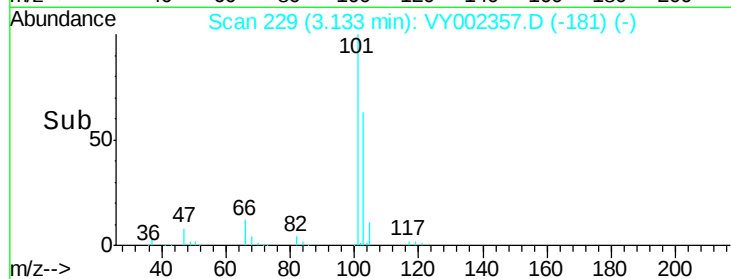
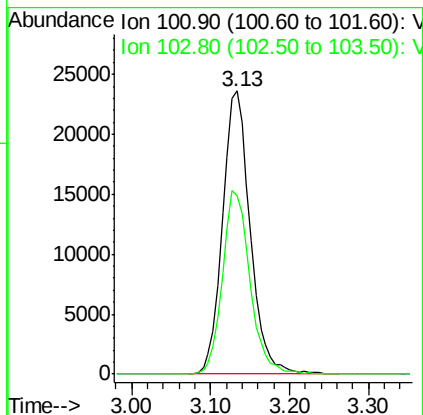
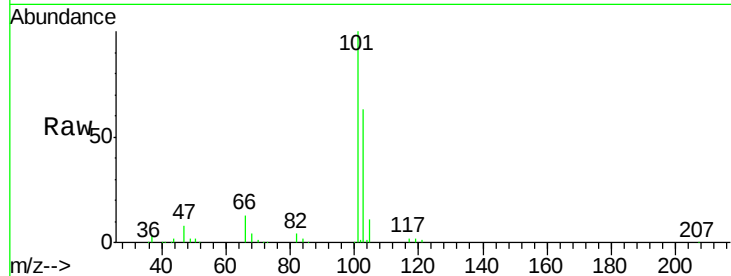
Trichlorofluoromethane
 Concen: 20.249 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

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 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	53.3	79.9

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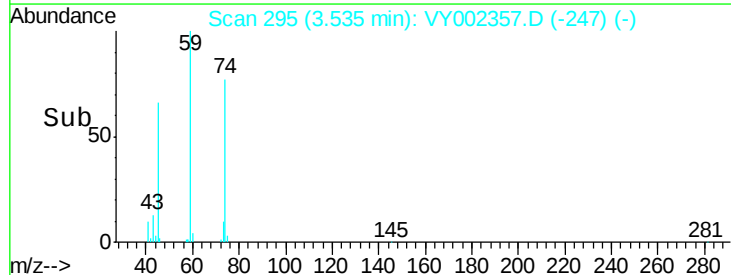
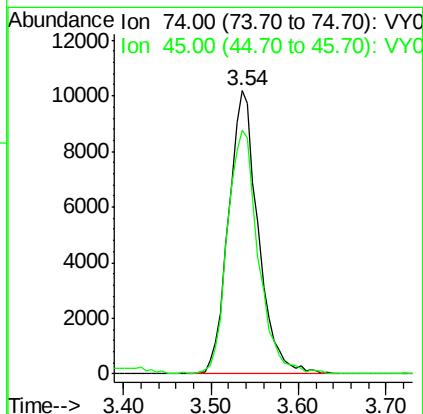
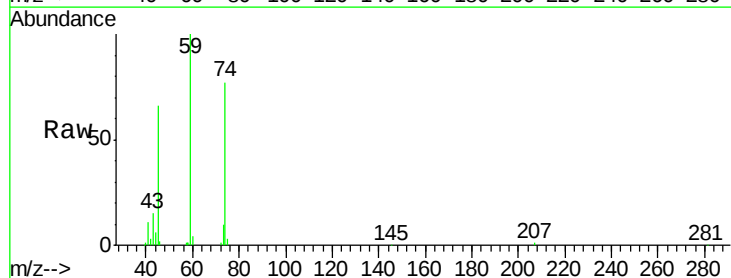
MMDadoda
 4/17/2020 11:52:04 AM

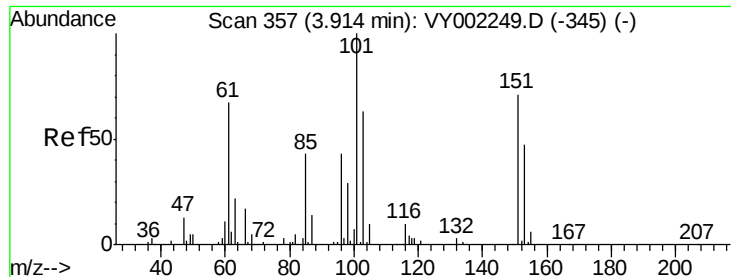


#8

Diethyl Ether
 Concen: 19.890 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.3	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.896 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

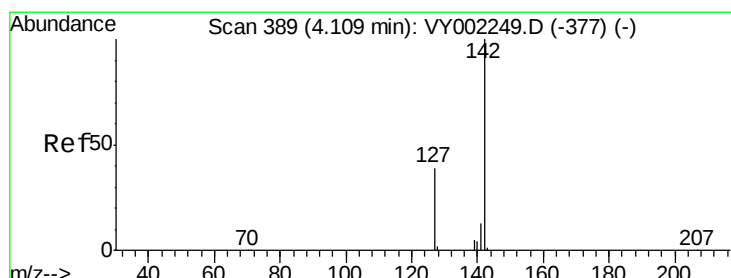
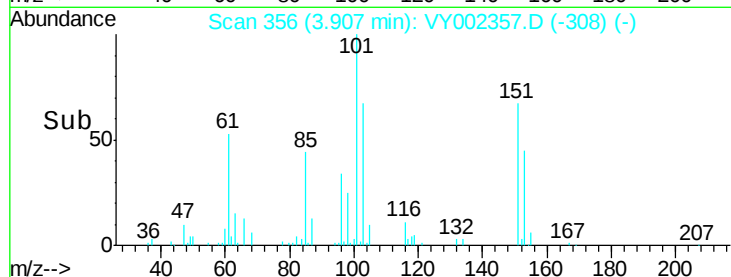
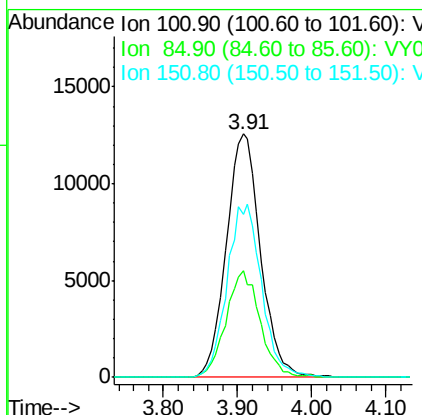
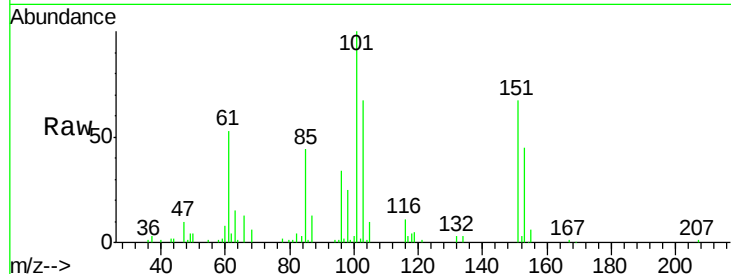
ClientSampleId :

VY0416SBS01

Tot Ion:	101	Resp:	40383
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.6	52.0
151	71.7	57.6	86.4

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#10

Methyl Iodide

Concen: 19.026 ug/l

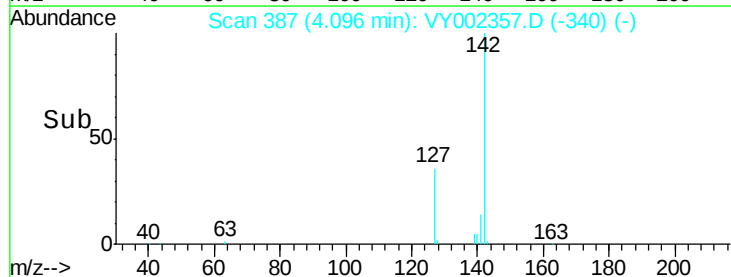
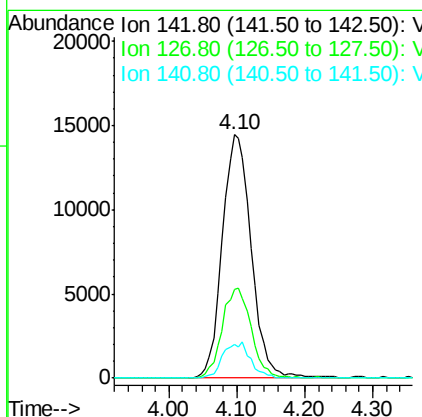
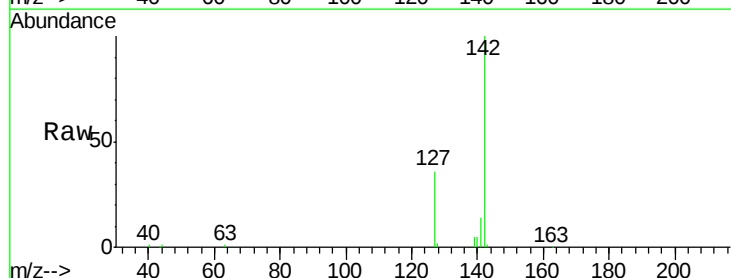
RT: 4.10 min Scan# 387

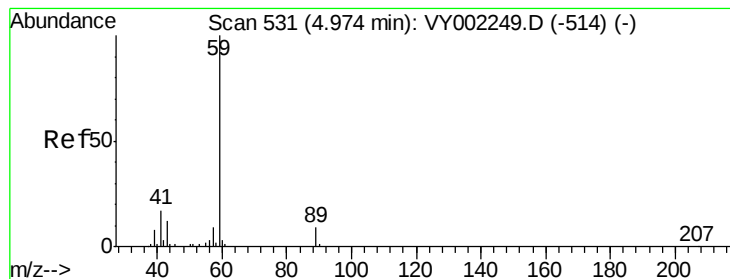
Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	142	Resp:	42740
Ion Ratio	Lower	Upper	
142	100		
127	37.0	32.4	48.6
141	14.0	11.2	16.8





#11

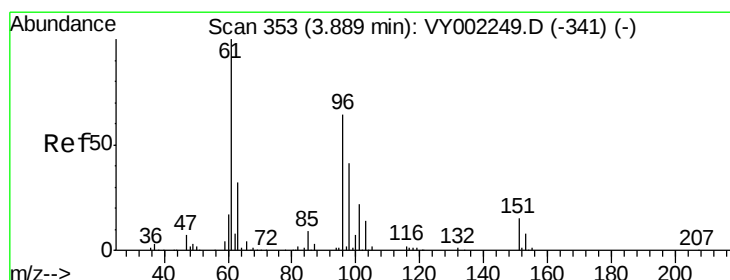
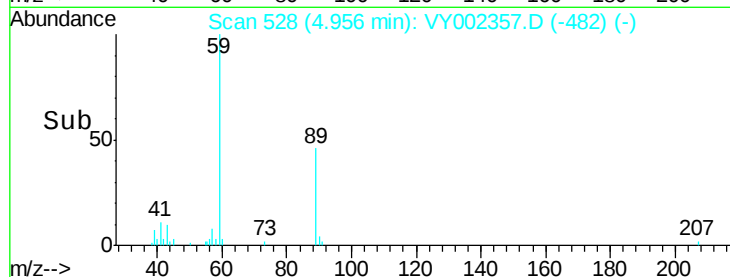
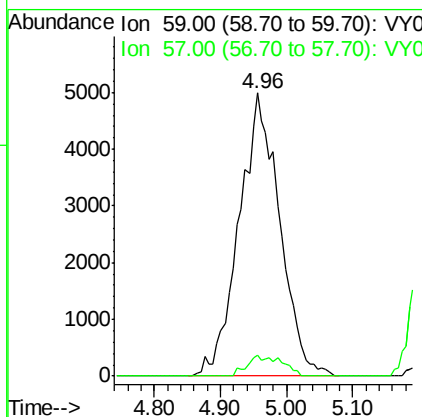
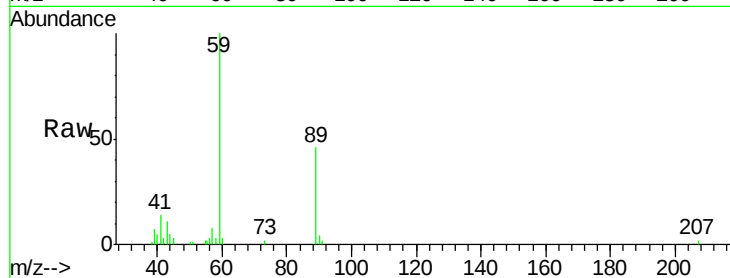
Tert butyl alcohol
 Concen: 88.575 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion: 59 Resp: 21242
 Ion Ratio Lower Upper
 59 100
 57 3.3 6.6 9.8#

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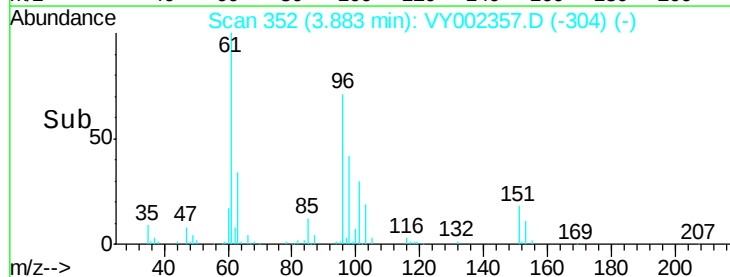
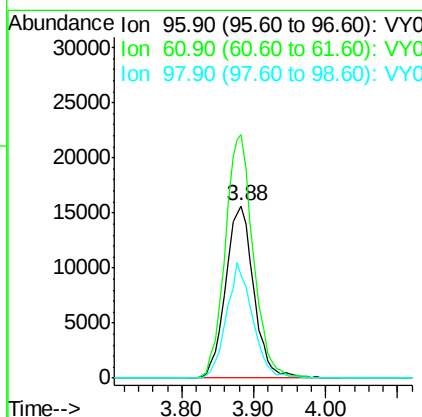
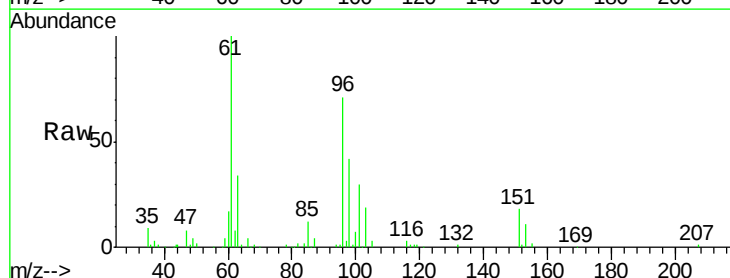
MMDadoda
 4/17/2020 11:52:04 AM

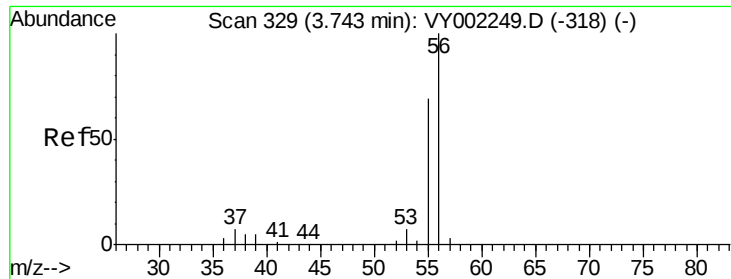


#12

1,1-Dichloroethene
 Concen: 21.658 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion: 96 Resp: 42553
 Ion Ratio Lower Upper
 96 100
 61 141.5 125.9 188.9
 98 60.1 51.1 76.7





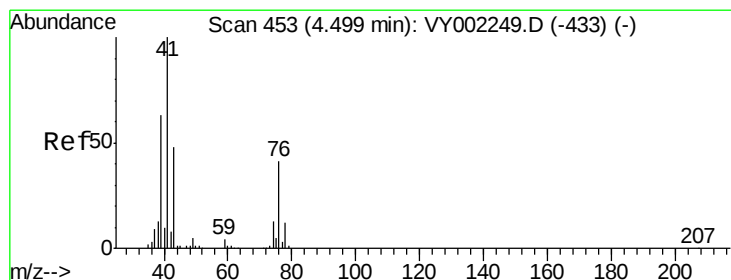
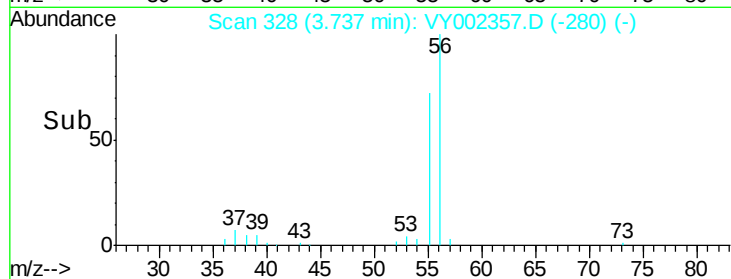
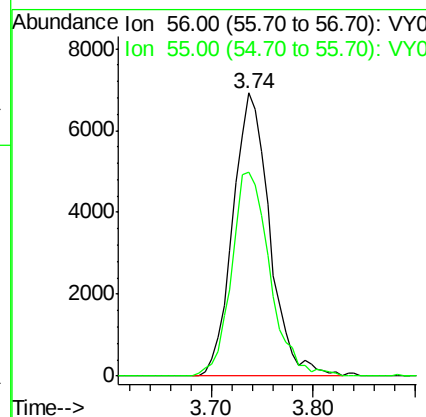
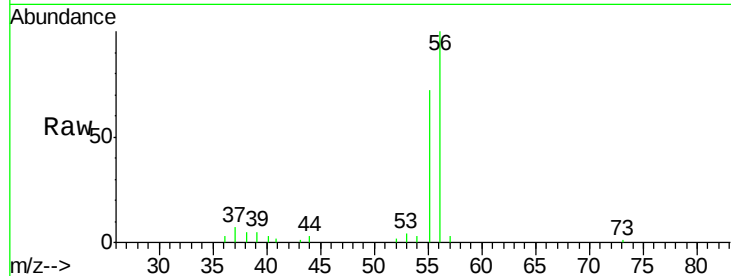
#13
Acrolein
Concen: 74.054 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	56	Resp	17278
Ion Ratio	100	Lower	Upper
56	100		
55	75.1	55.8	83.8

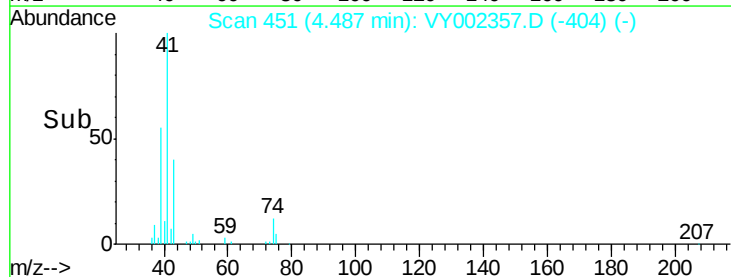
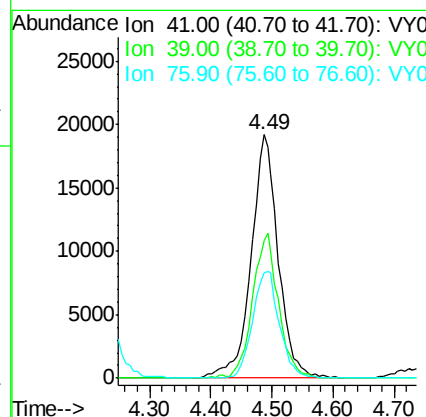
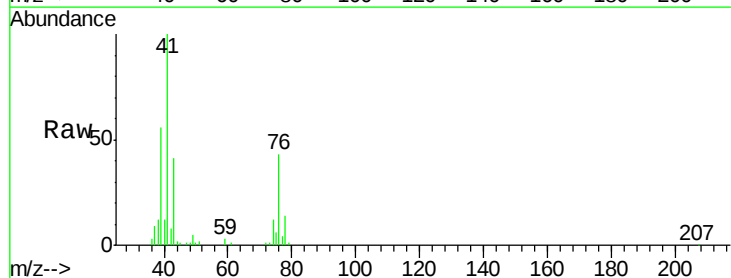
Manual Integrations
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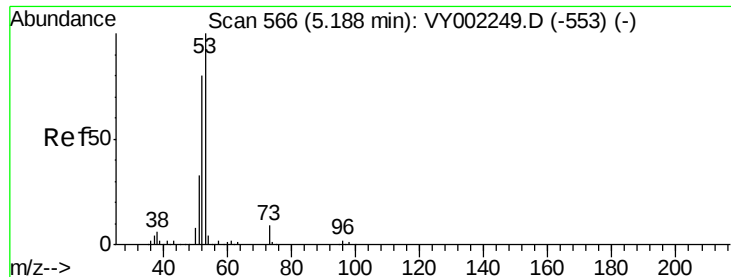
MMDadoda
4/17/2020 11:52:04 AM



#14
Allyl chloride
Concen: 18.697 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	41	Resp	59322
Ion Ratio	100	Lower	Upper
41	100		
39	57.3	48.0	72.0
76	43.5	31.0	46.6





#15

Acrylonitrile

Concen: 87.563 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.02 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

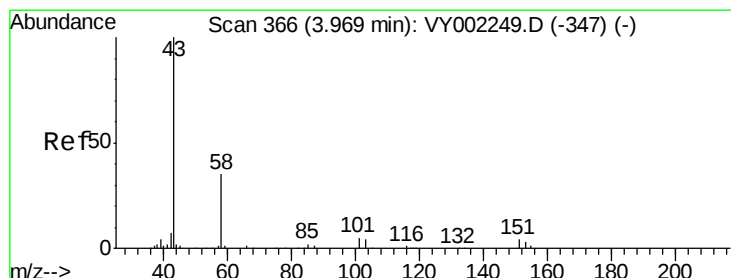
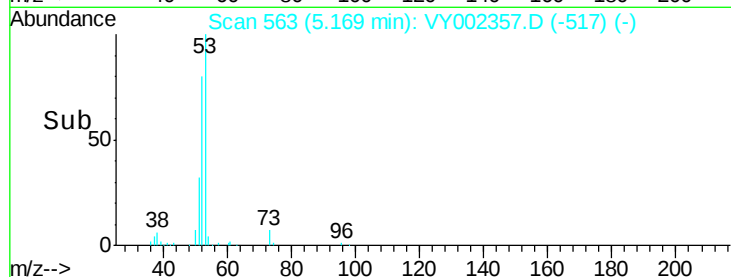
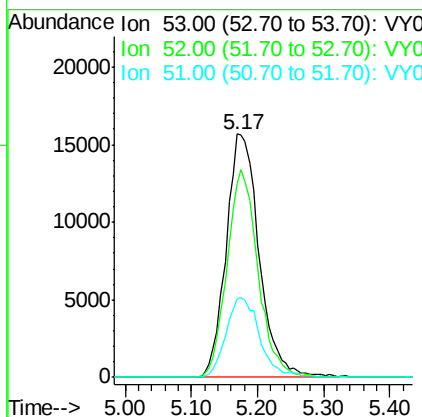
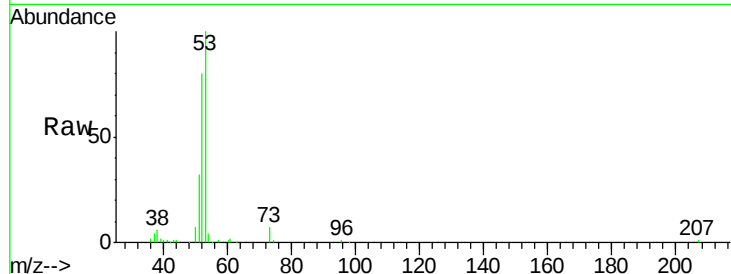
ClientSampleId :

VY0416SBS01

Tot Ion:	53	Resp:	54158
Ion Ratio	Lower	Upper	
53	100		
52	79.9	65.1	97.7
51	33.4	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 81.703 ug/l

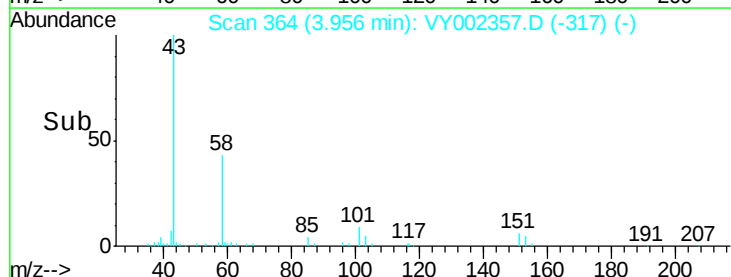
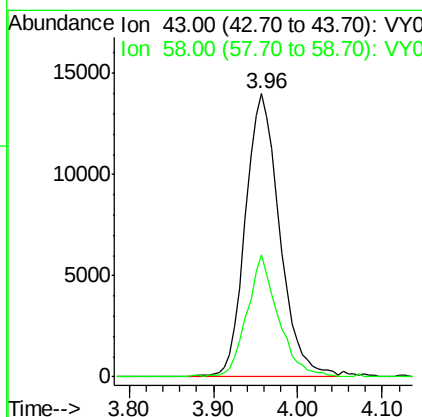
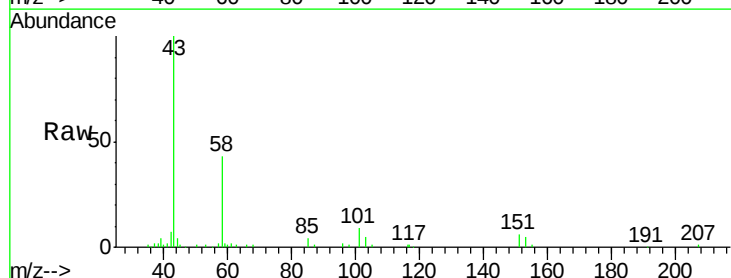
RT: 3.96 min Scan# 364

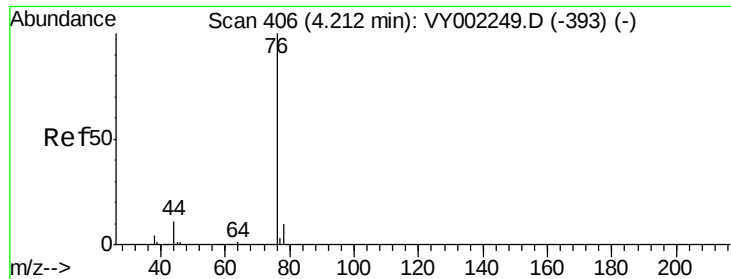
Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	43	Resp:	38940
Ion Ratio	Lower	Upper	
43	100		
58	43.1	28.5	42.7#





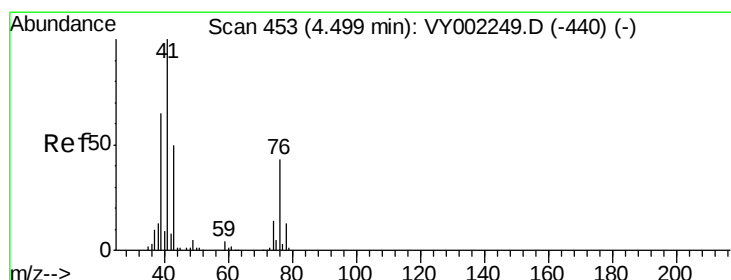
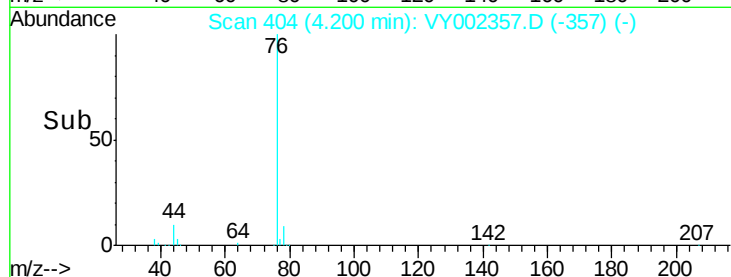
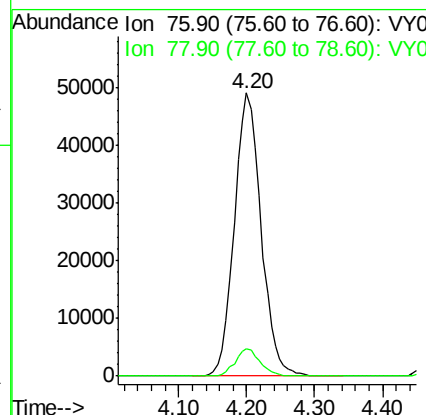
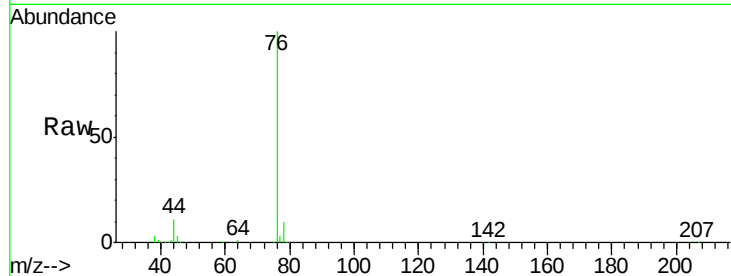
#17
Carbon Disulfide
Concen: 20.577 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.7	11.5

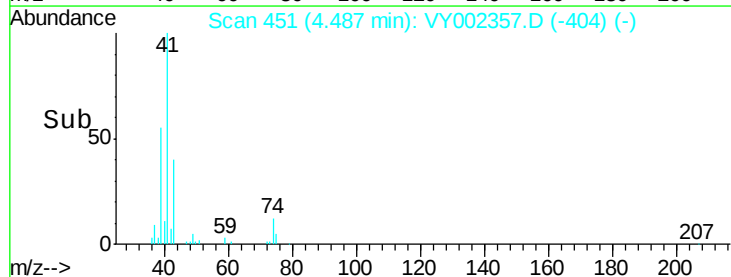
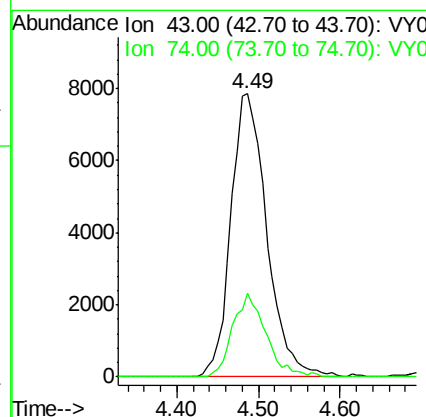
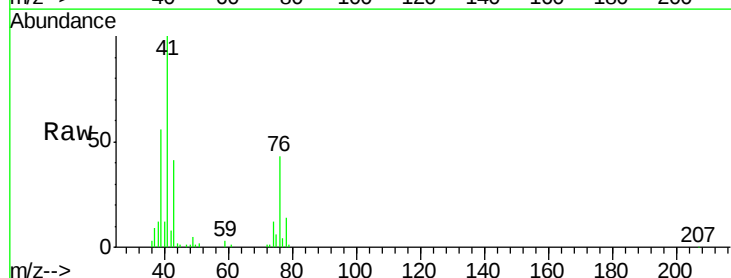
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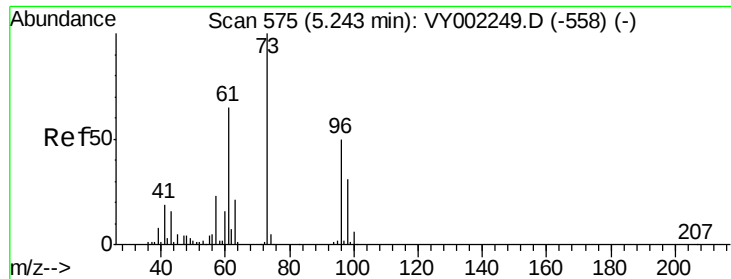
MMDadoda
4/17/2020 11:52:04 AM



#18
Methyl Acetate
Concen: 16.199 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	20.3	30.5





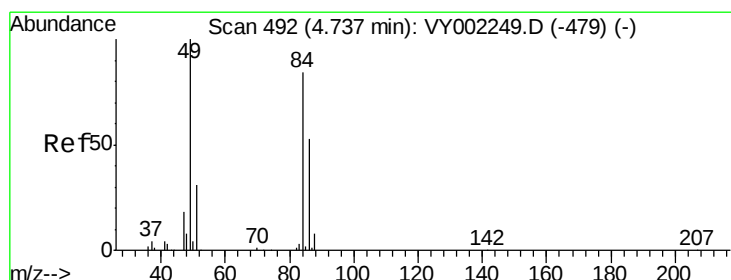
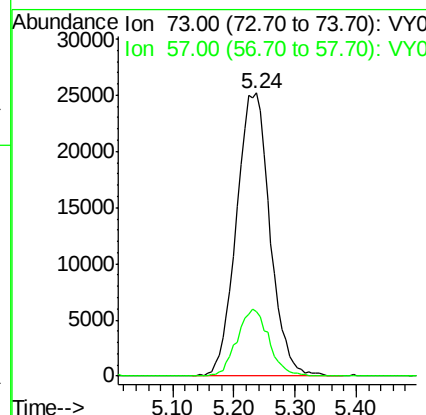
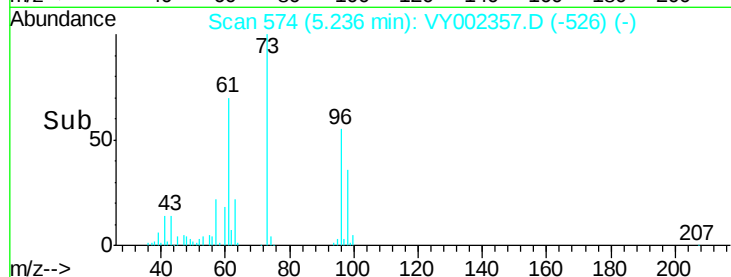
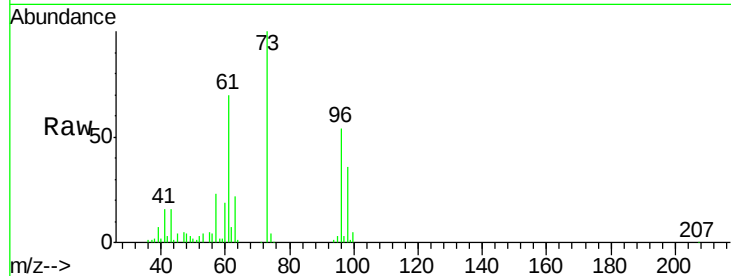
#19
Methyl tert-butyl Ether
Concen: 18.484 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 73 Resp: 95477
Ion Ratio Lower Upper
73 100
57 22.8 18.7 28.1

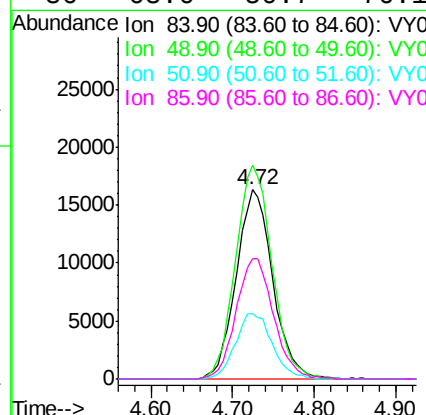
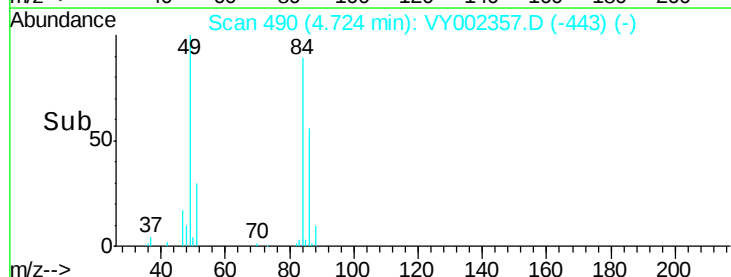
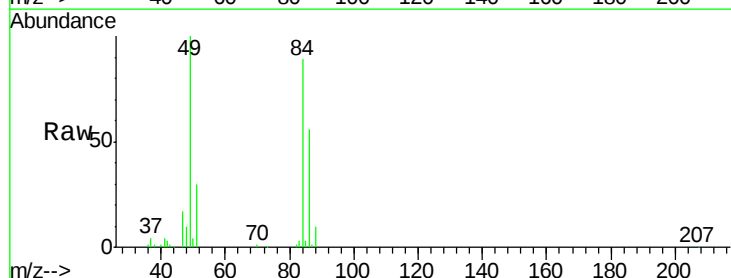
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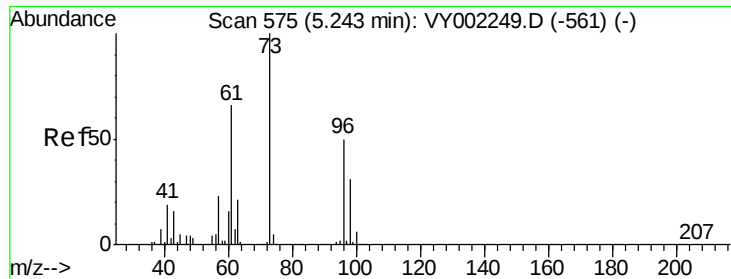
MMDadoda
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#20
Methylene Chloride
Concen: 21.660 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion: 84 Resp: 50739
Ion Ratio Lower Upper
84 100
49 112.9 95.5 143.3
51 34.4 29.5 44.3
86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.748 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

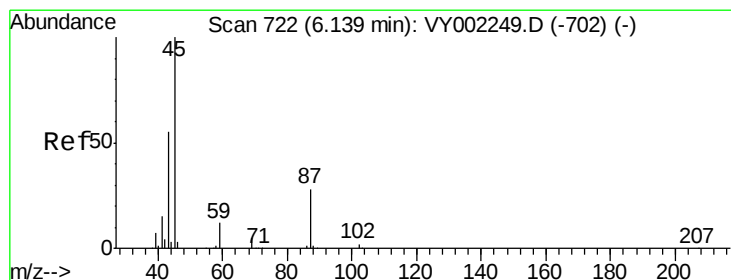
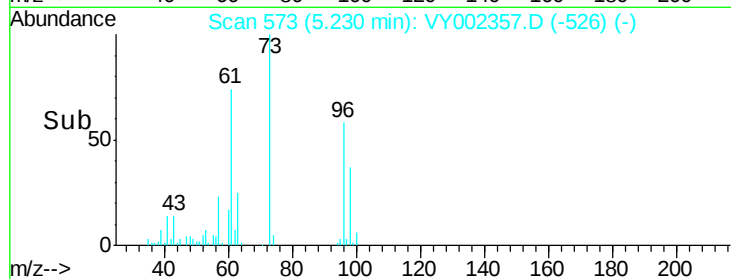
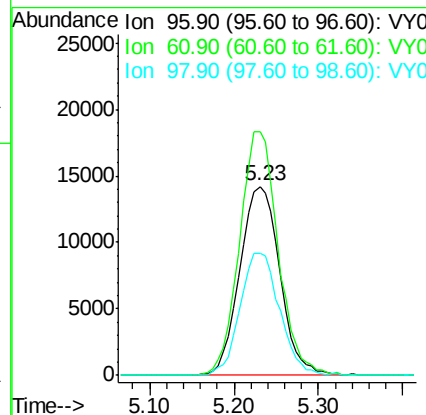
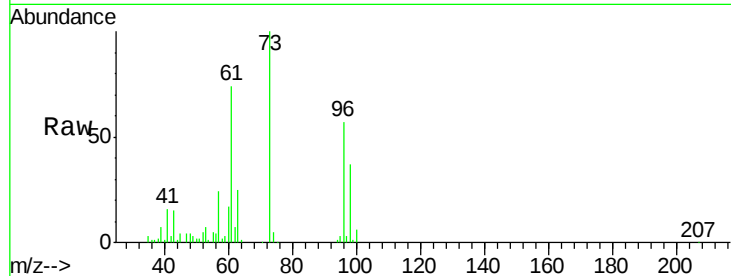
ClientSampleId :

VY0416SBS01

Tot Ion:	96	Resp:	45757
Ion	Ratio	Lower	Upper
96	100		
61	128.6	104.6	157.0
98	64.3	50.1	75.1

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#22

Diisopropyl ether

Concen: 18.893 ug/l

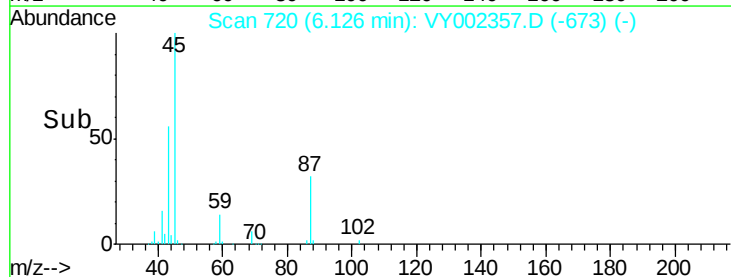
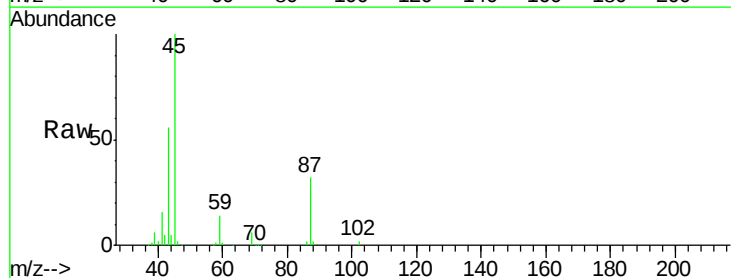
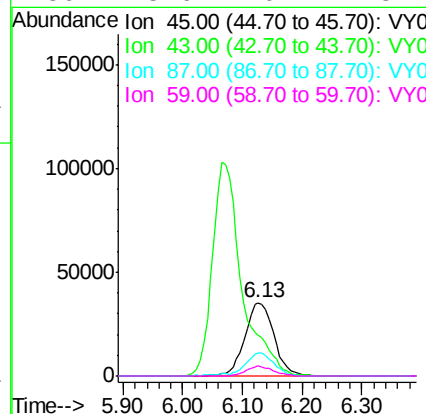
RT: 6.13 min Scan# 720

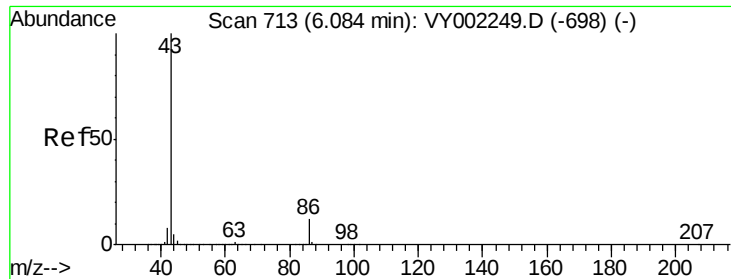
Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	45	Resp:	120630
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.7	67.1
87	32.1	23.0	34.4
59	13.6	10.1	15.1





#23

Vinyl Acetate

Concen: 86.769 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.02 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 43 Resp: 353057

Ion Ratio Lower Upper

43 100

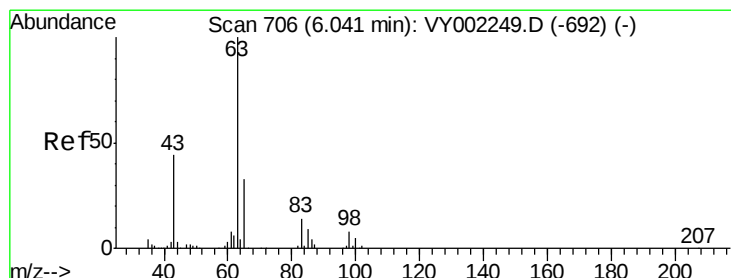
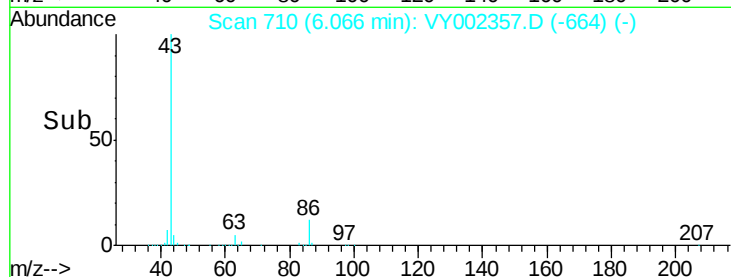
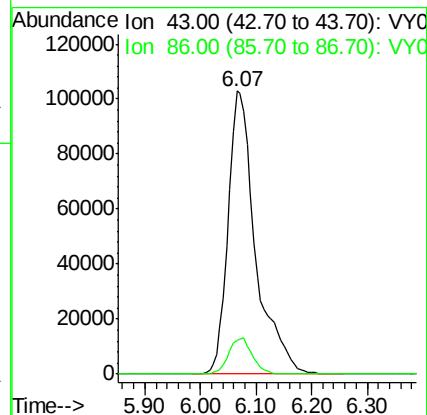
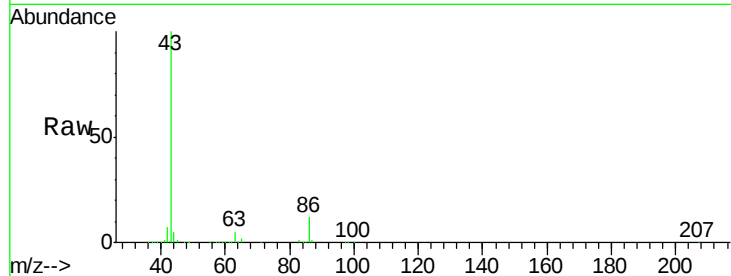
86 12.0 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.104 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

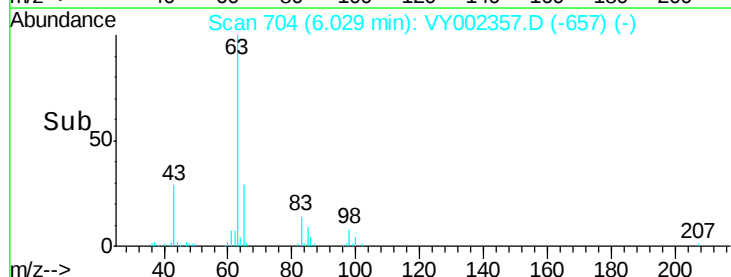
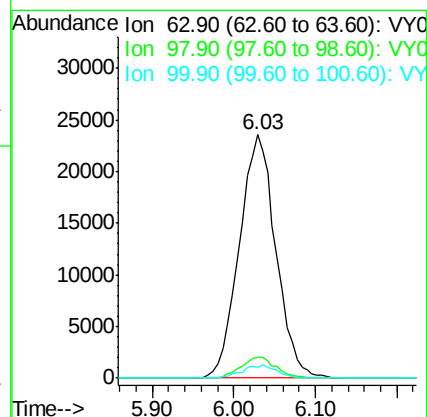
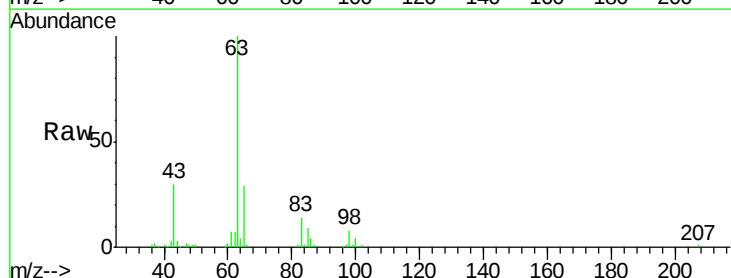
Tgt Ion: 63 Resp: 73012

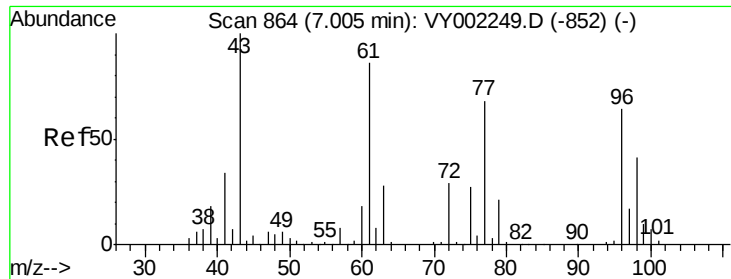
Ion Ratio Lower Upper

63 100

98 8.4 4.0 12.0

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 79.674 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tot Ion: 43 Resp: 60094

Ion Ratio Lower Upper

43 100

72 28.3 23.2 34.8

Instrument :

MSVOA_Y

ClientSampleId :

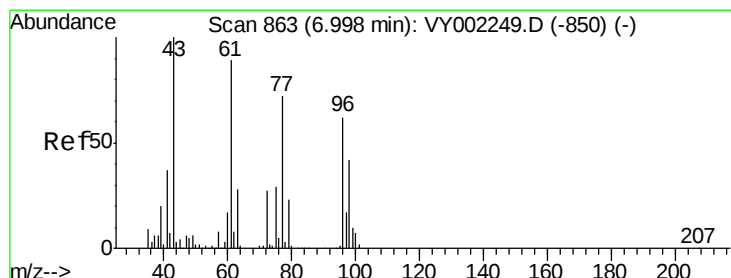
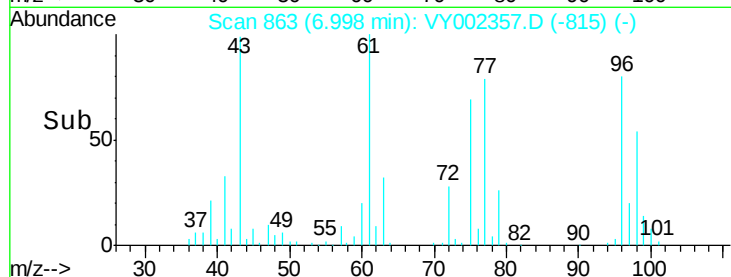
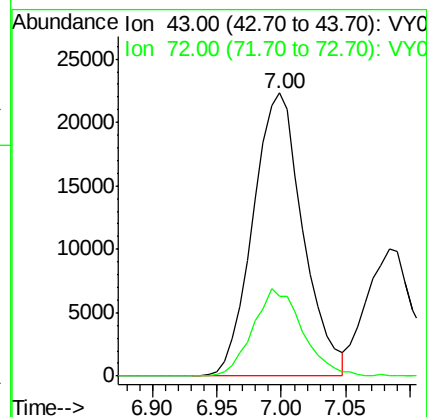
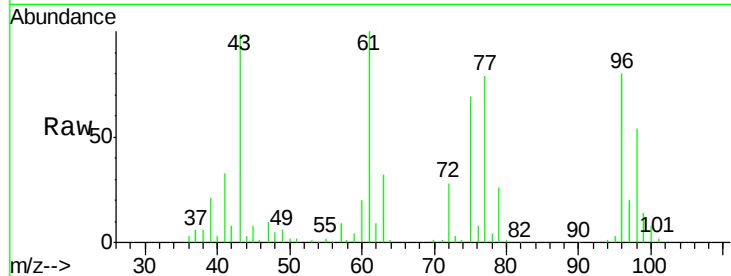
VY0416SBS01

Manual Integrations

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4/17/2020 11:52:04 AM



#26

2,2-Dichloropropane

Concen: 19.720 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002357.D

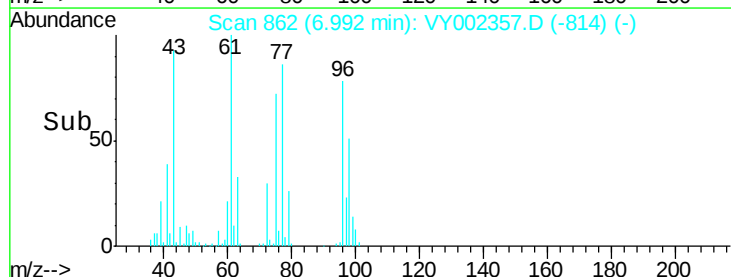
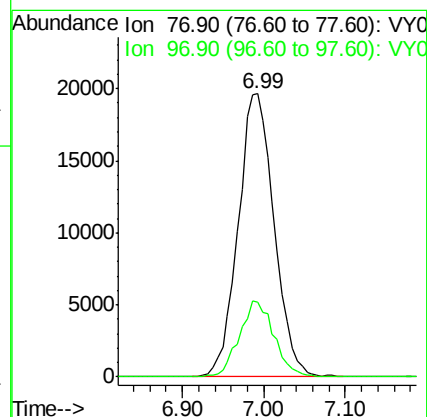
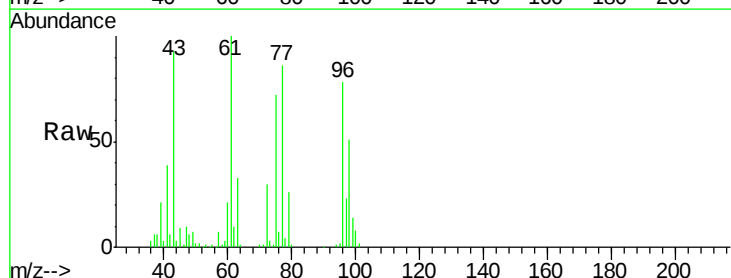
Acq: 16 Apr 2020 11:34

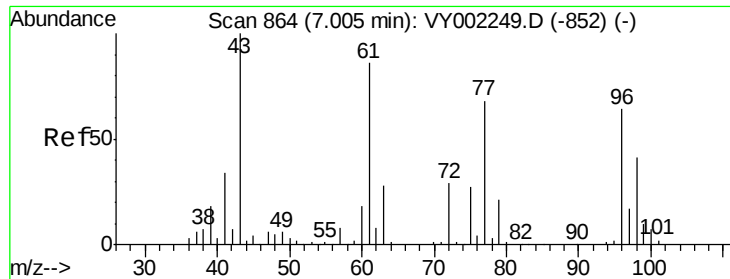
Tgt Ion: 77 Resp: 59909

Ion Ratio Lower Upper

77 100

97 25.8 12.2 36.6





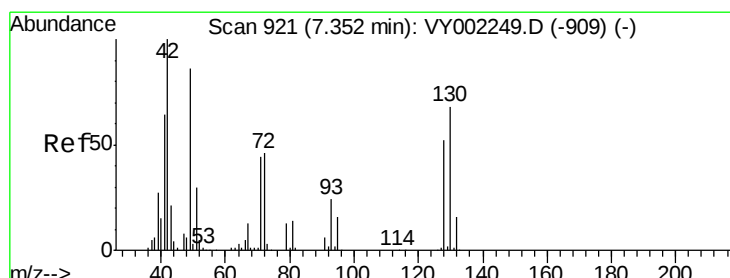
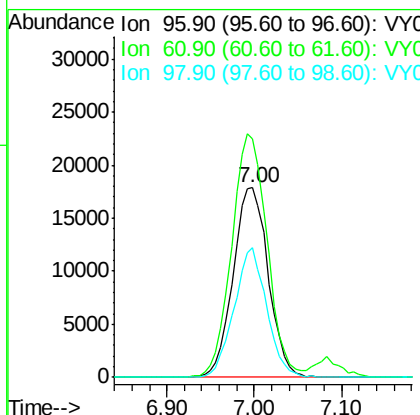
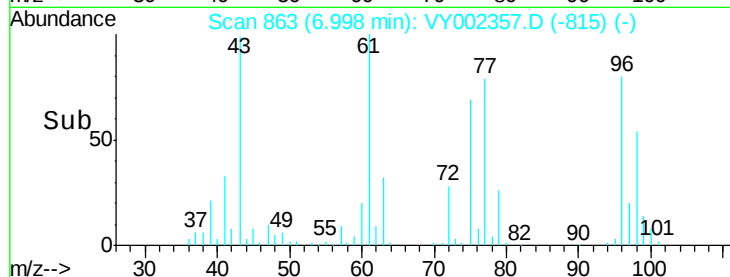
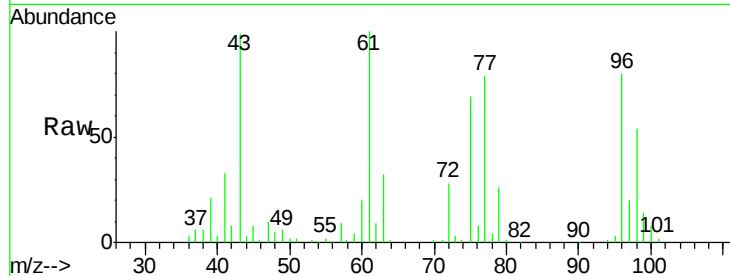
#27
 cis-1,2-Dichloroethene
 Concen: 20.719 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	278.0
98	63.5	0.0	128.6

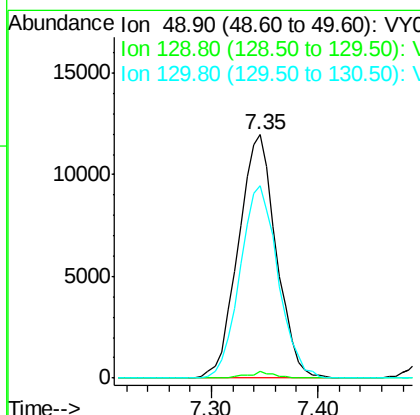
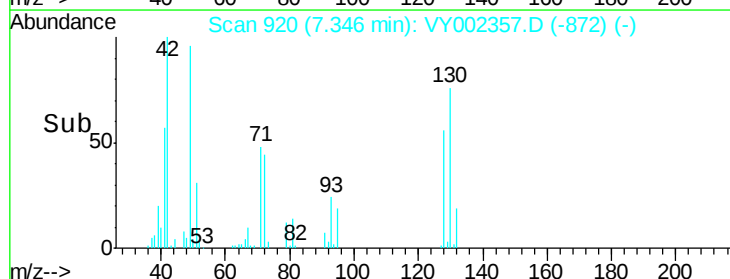
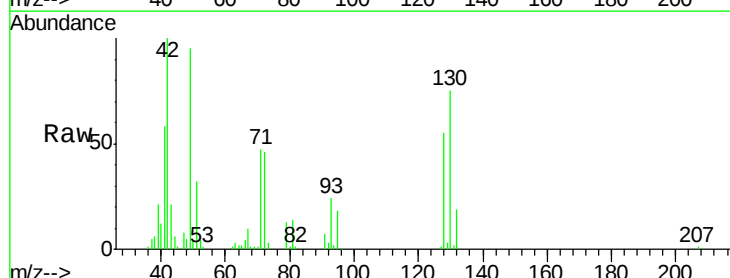
Manual Integrations
 APPROVED

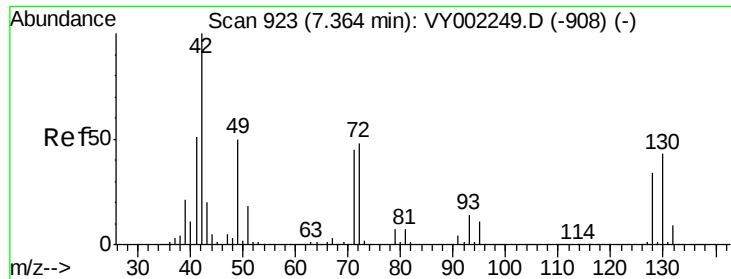
MMDadoda
 4/17/2020 11:52:04 AM



#28
 Bromochloromethane
 Concen: 19.024 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	79.6	60.9	91.3





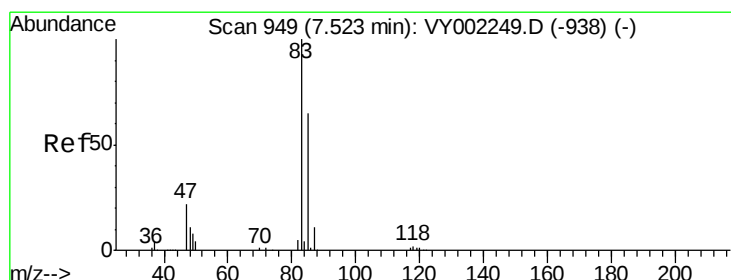
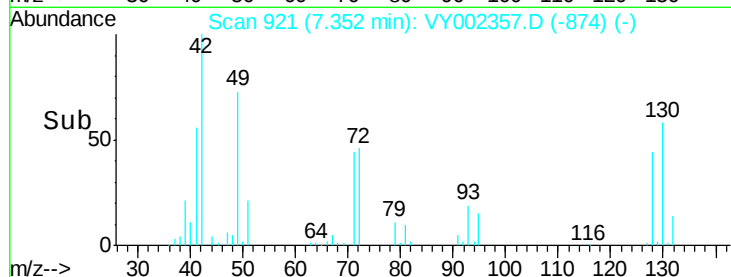
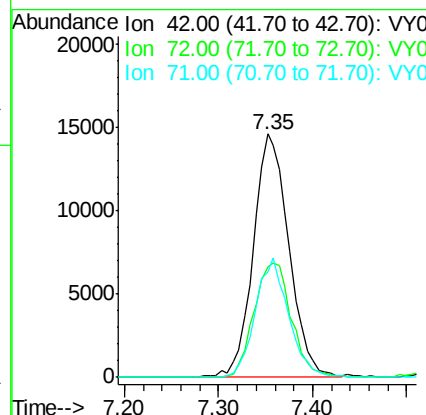
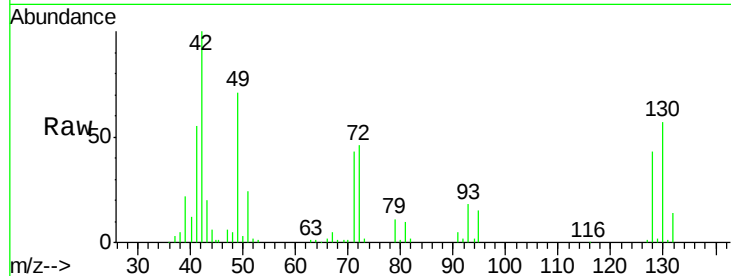
#29
Tetrahydrofuran
Concen: 77.385 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	36.7	55.1
71	45.8	34.7	52.1

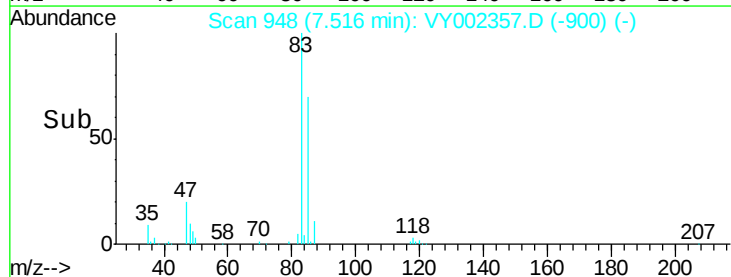
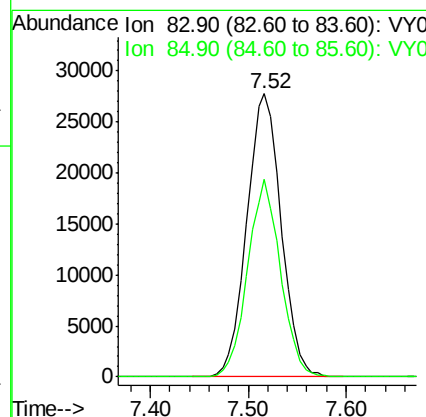
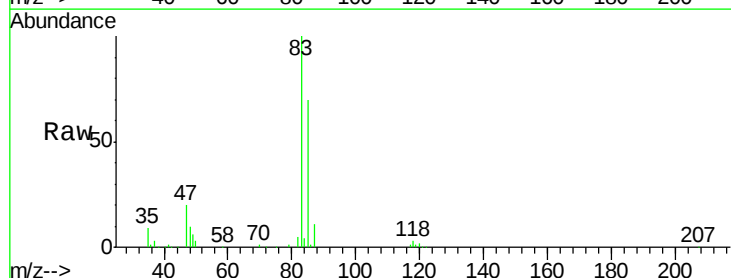
Manual Integrations
APPROVED

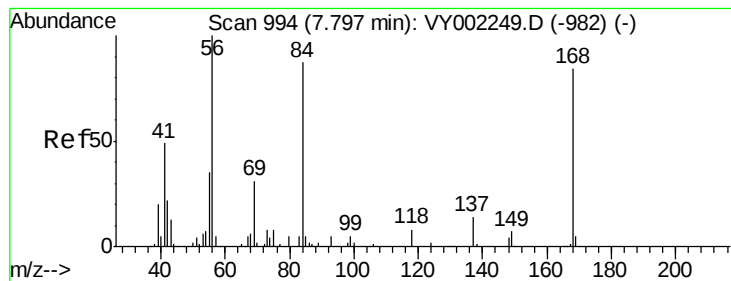
MMDadoda
4/17/2020 11:52:04 AM



#30
Chloroform
Concen: 19.772 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.0	78.0





#31

Cyclohexane

Concen: 19.705 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

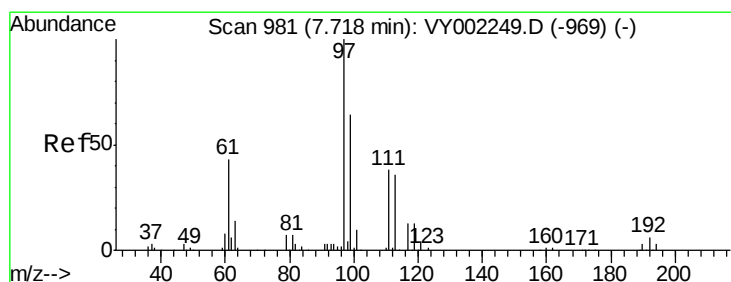
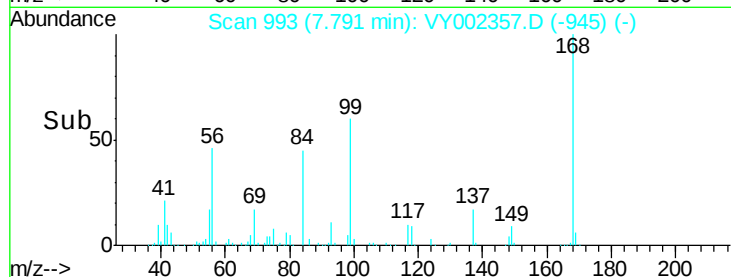
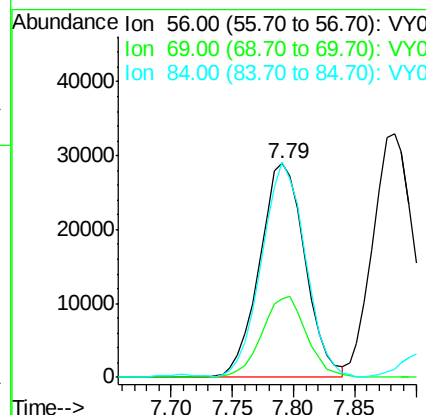
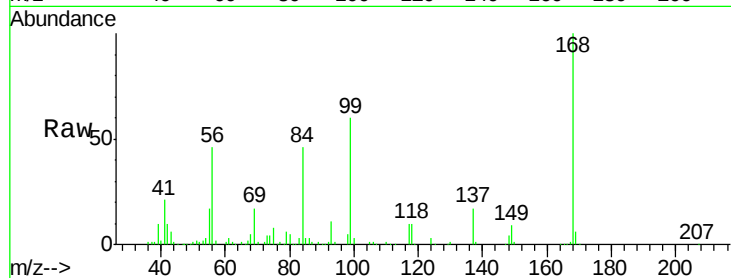
ClientSampleId :

VY0416SBS01

Tot Ion:	56	Resp:	75121
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.0	37.6
84	99.7	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.332 ug/l

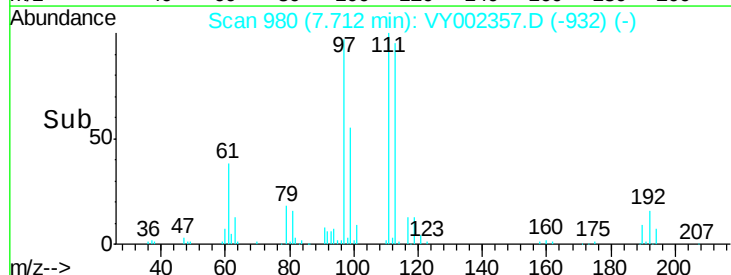
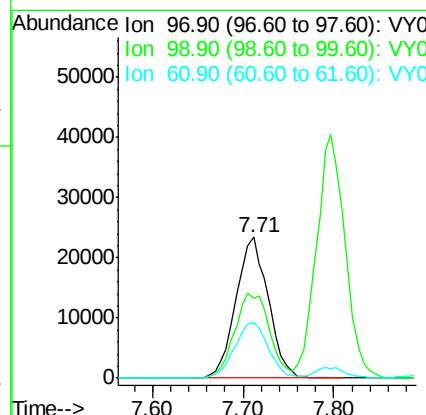
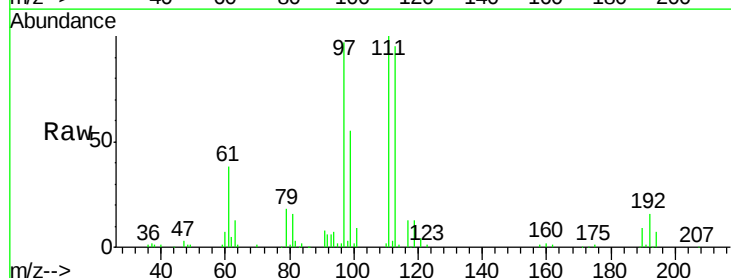
RT: 7.71 min Scan# 980

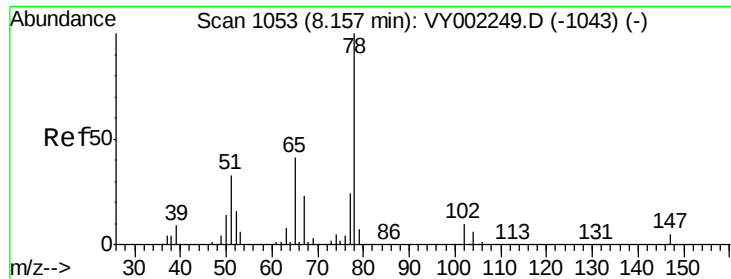
Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	97	Resp:	57937
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.3	76.9
61	41.2	34.3	51.5





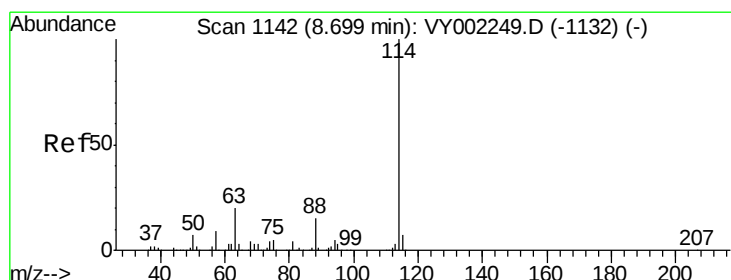
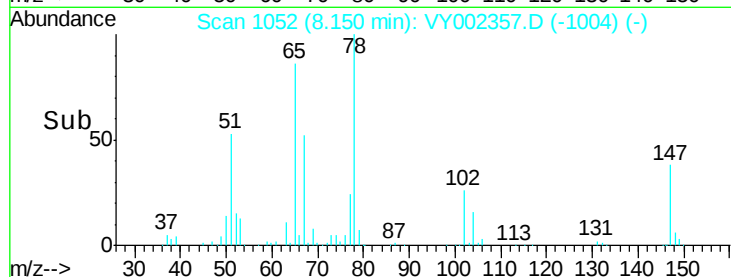
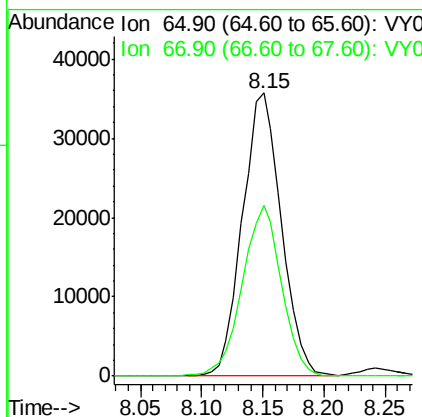
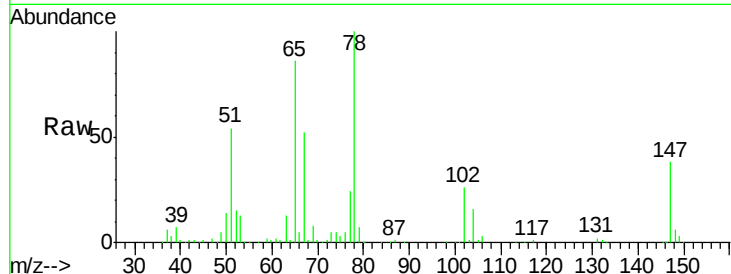
#33
 1,2-Dichloroethane-d4
 Concen: 43.574 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	60.6	0.0	114.0

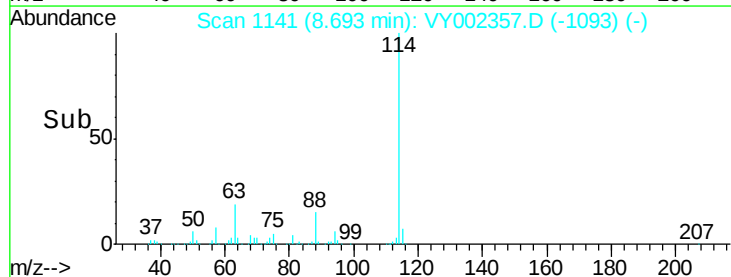
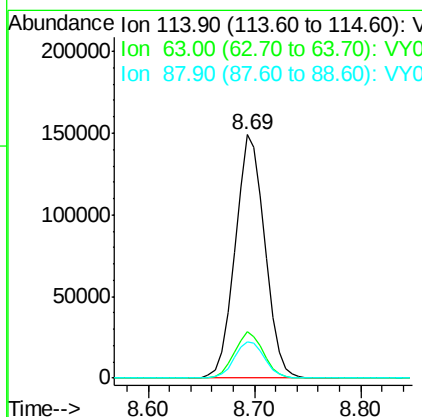
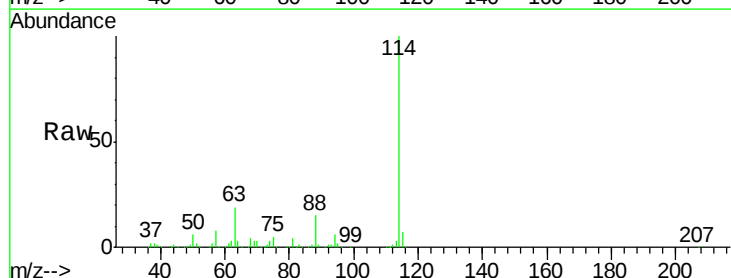
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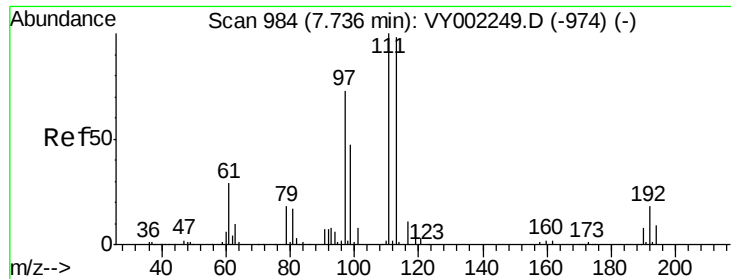
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.0
88	14.9	0.0	31.0





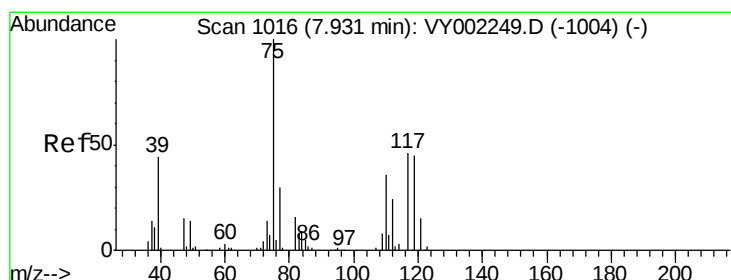
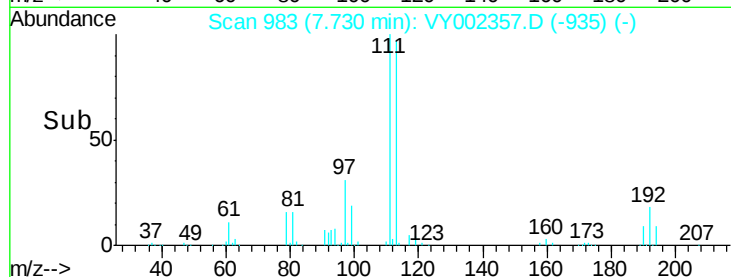
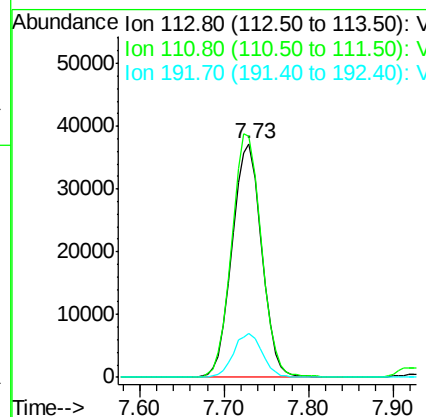
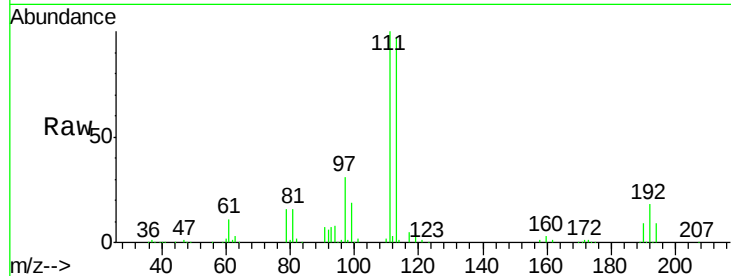
#35
 Dibromofluoromethane
 Concen: 50.943 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88094		
111	104.6	83.5	125.3	
192	18.4	14.7	22.1	

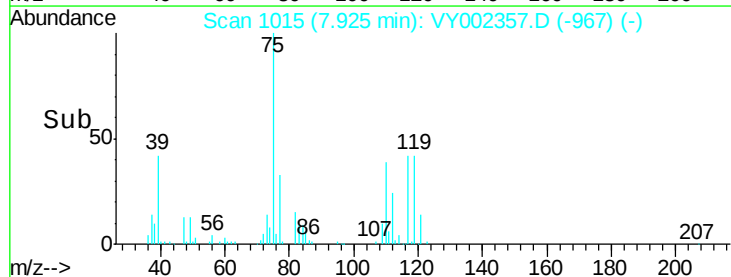
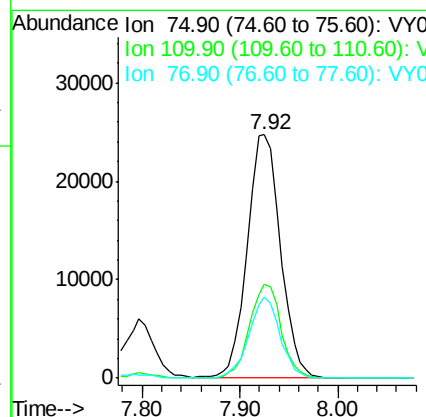
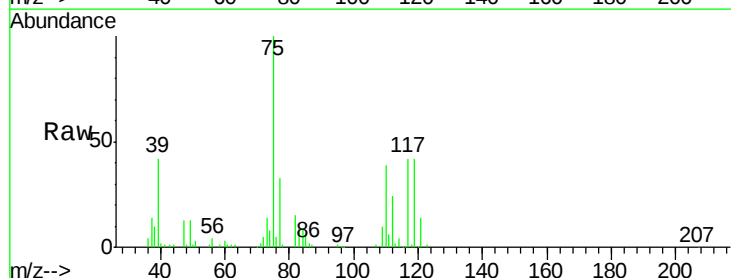
Manual Integrations
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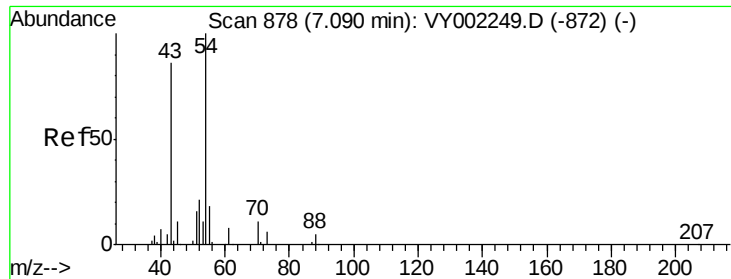
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#36
 1,1-Dichloropropene
 Concen: 20.396 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58384		
110	36.6	17.8	53.3	
77	31.0	24.4	36.6	





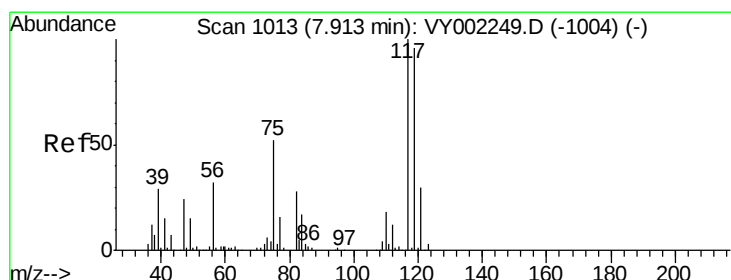
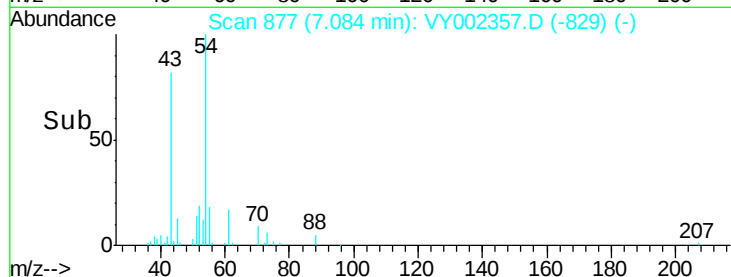
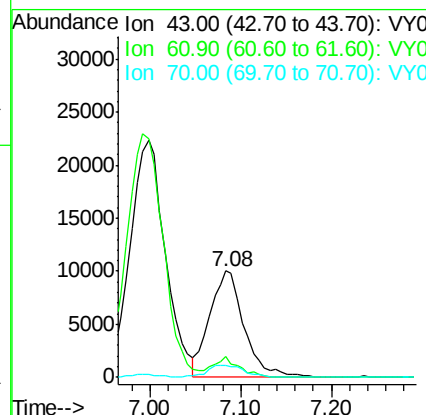
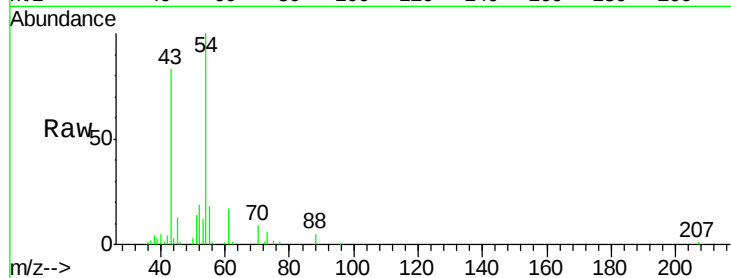
#37
Ethyl Acetate
Concen: 16.320 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	12.3	9.1	13.7

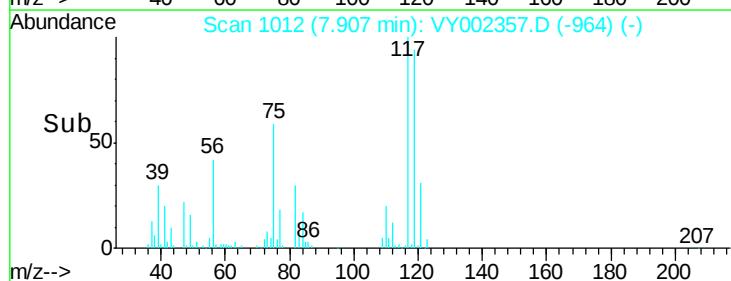
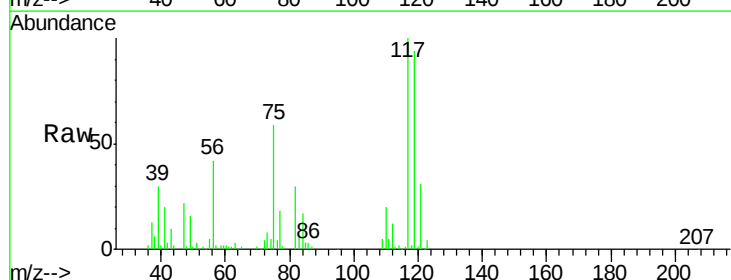
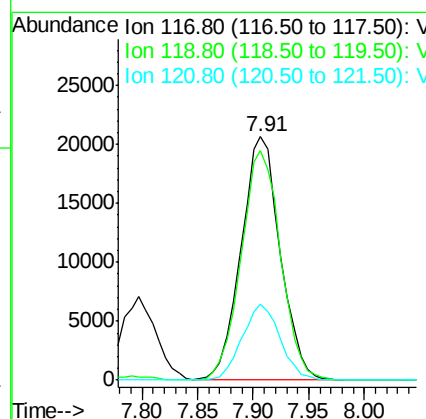
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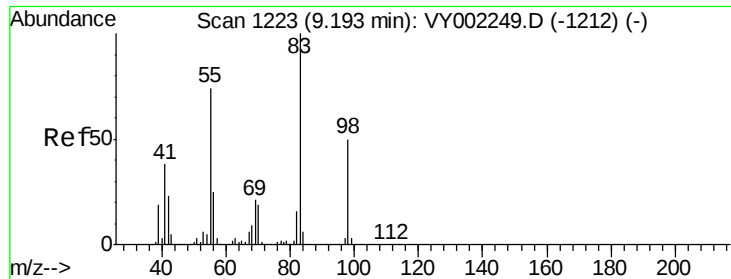
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.608 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.1	115.7
121	31.2	23.9	35.9





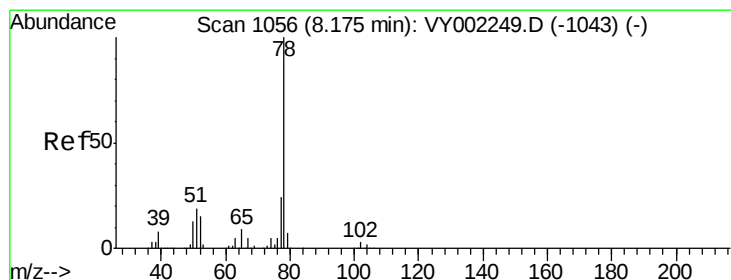
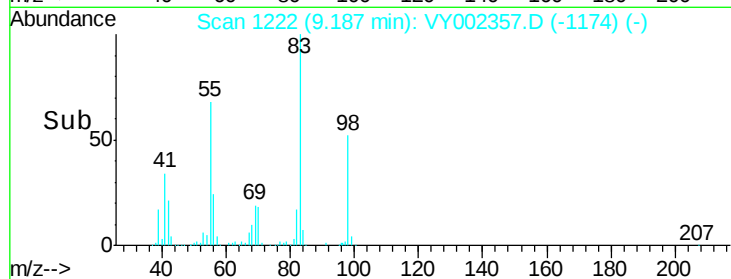
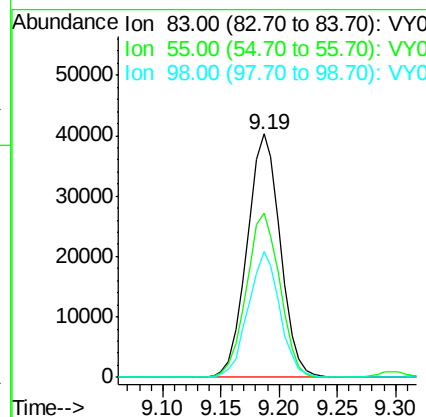
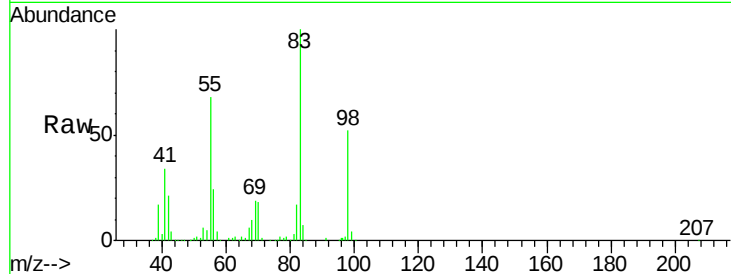
#39
Methvlcvclohexane
Concen: 20.639 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	59.3	88.9
98	51.7	39.6	59.4

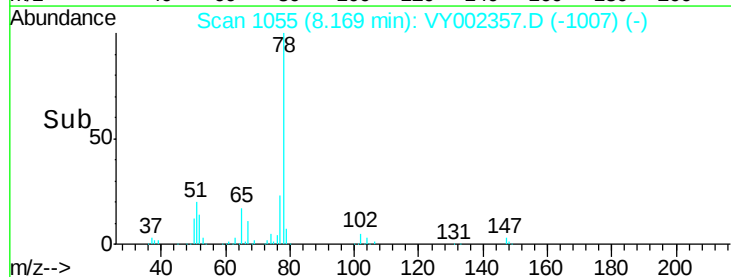
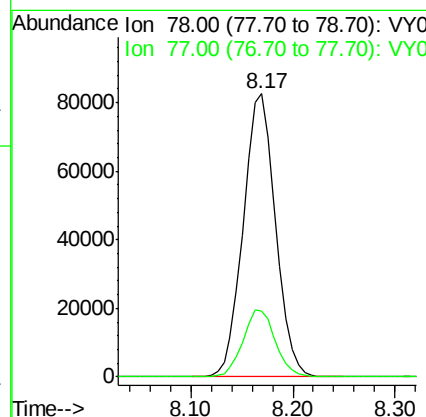
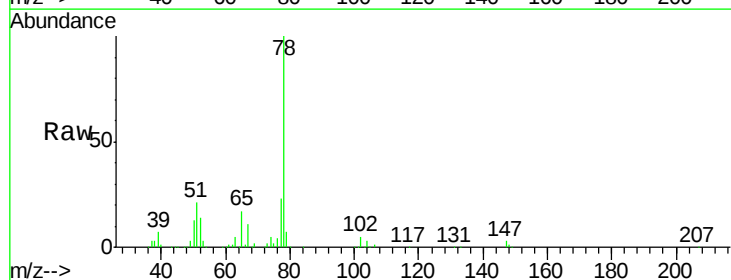
Manual Integrations
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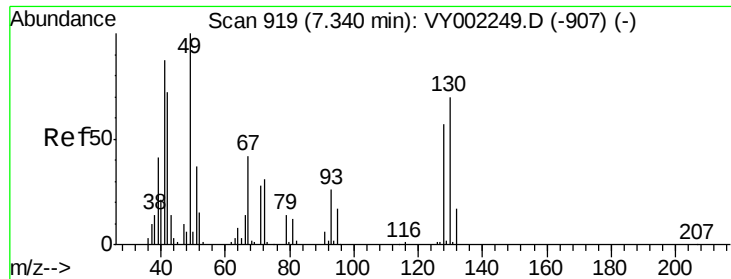
MMDadoda
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#40
Benzene
Concen: 20.866 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





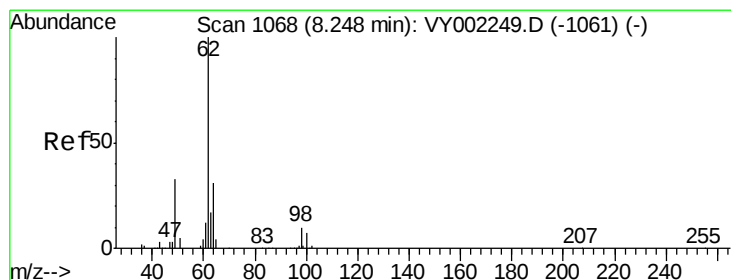
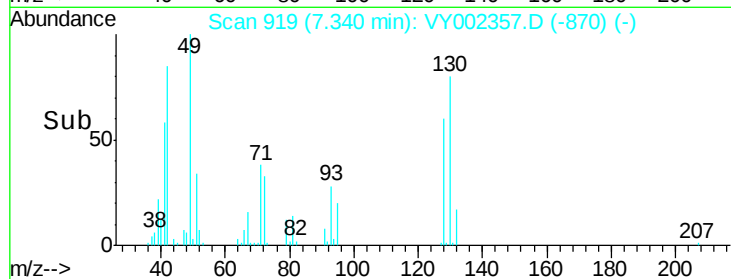
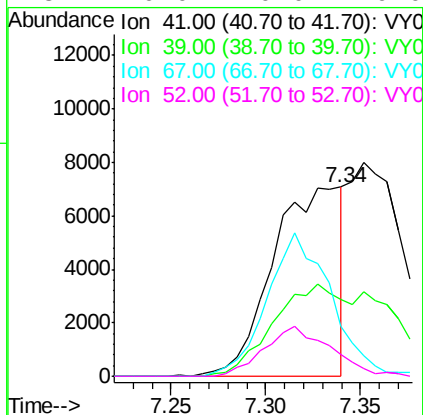
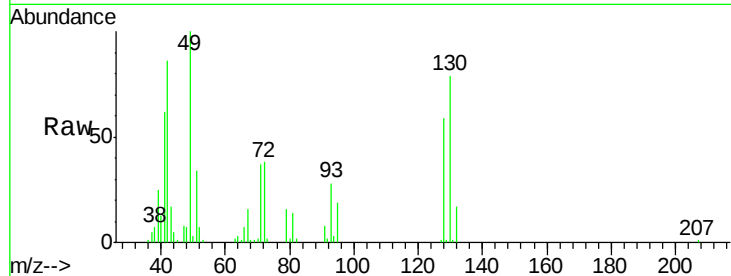
#41
Methacrylonitrile
Concen: 18.774 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	41	Resp	18111
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

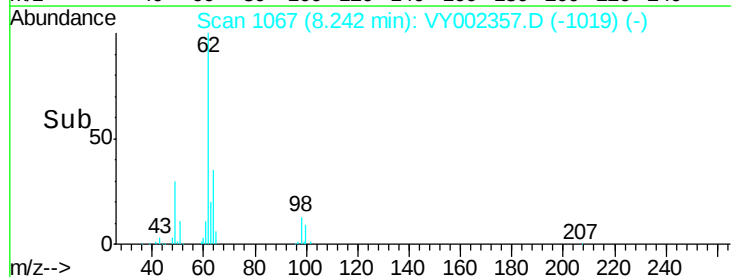
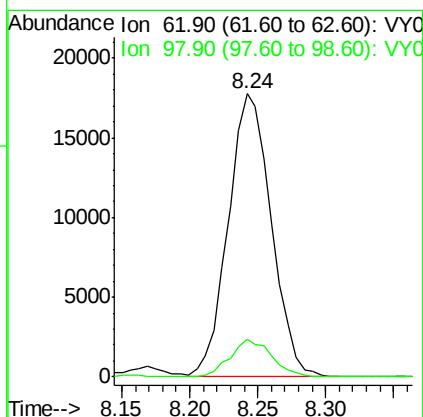
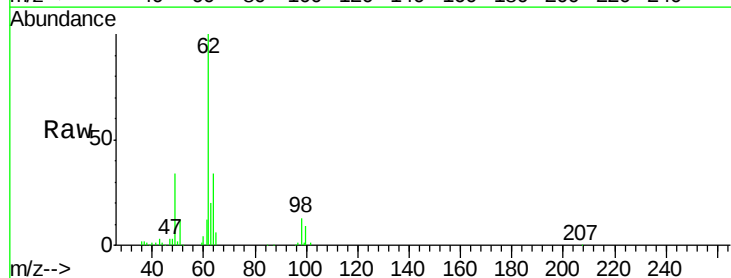
Manual Integrations
APPROVED

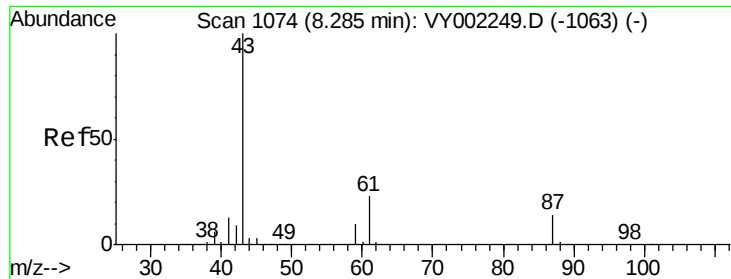
MMDadoda
4/17/2020 11:52:04 AM



#42
1,2-Dichloroethane
Concen: 18.196 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	62	Resp	39147
Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	22.6





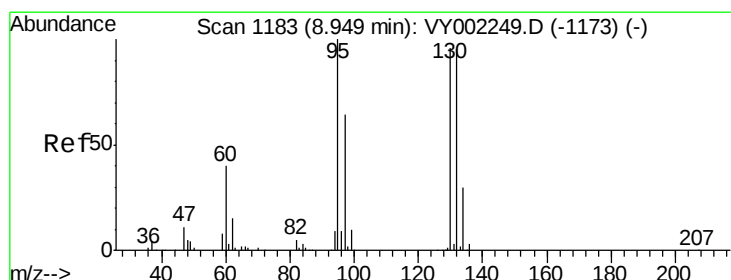
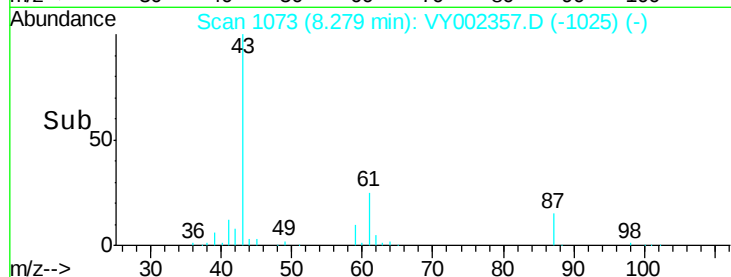
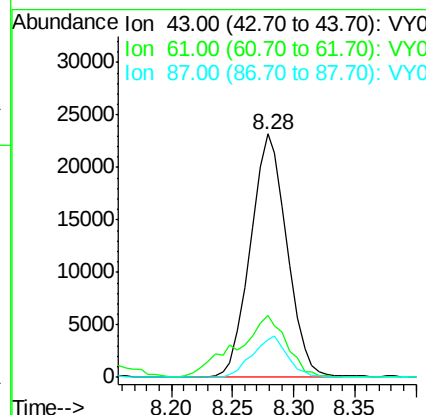
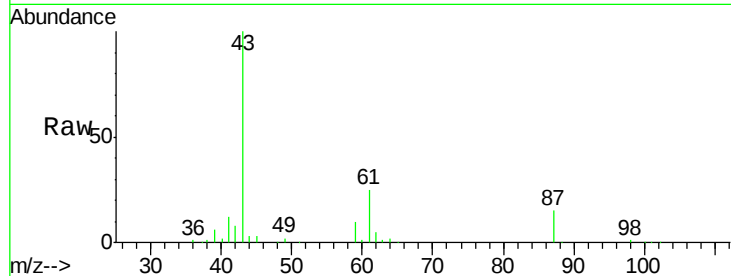
#43
Isopropyl Acetate
Concen: 16.118 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.1	24.9	37.3
87	16.3	11.7	17.5

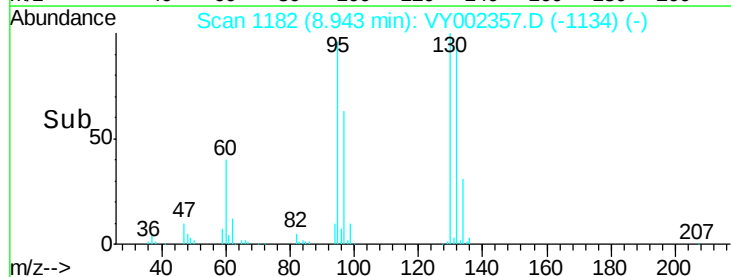
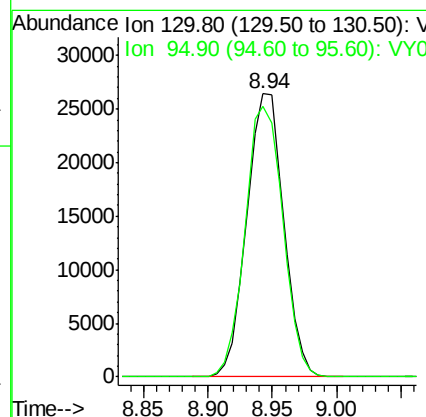
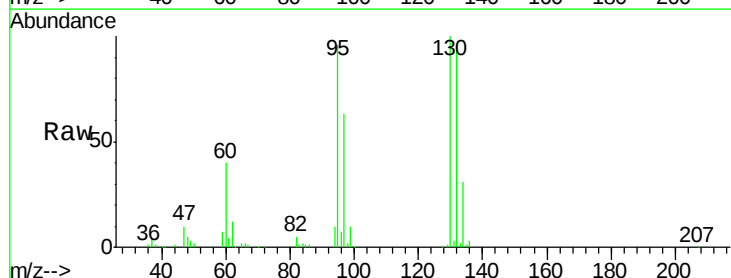
Manual Integrations
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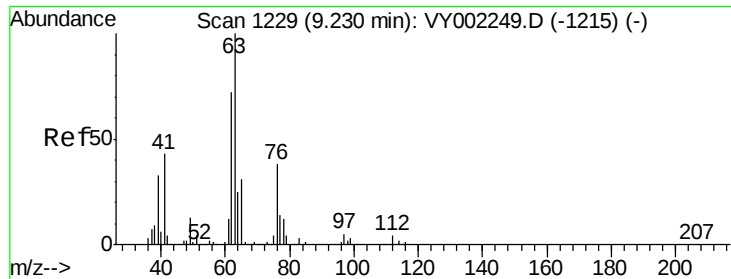
MMDadoda
4/17/2020 11:52:04 AM



#44
Trichloroethene
Concen: 20.507 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	208.2





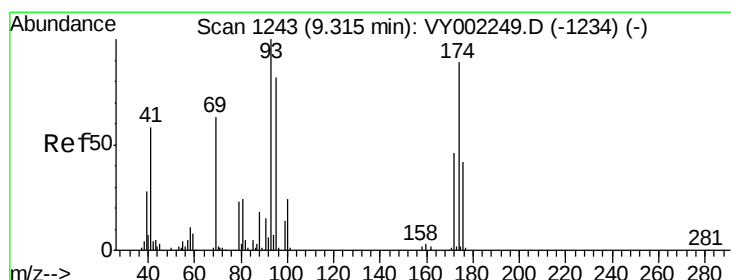
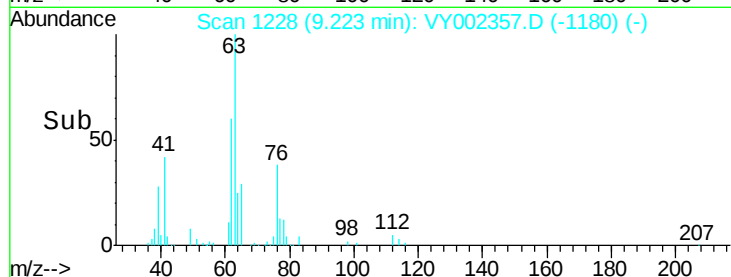
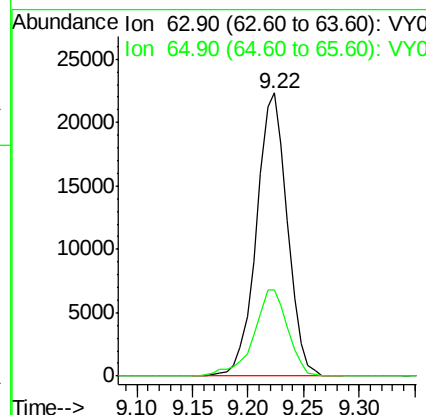
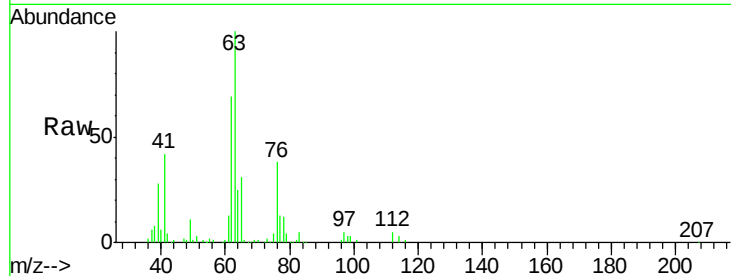
#45
 1,2-Dichloropropane
 Concen: 20.000 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.6	37.0

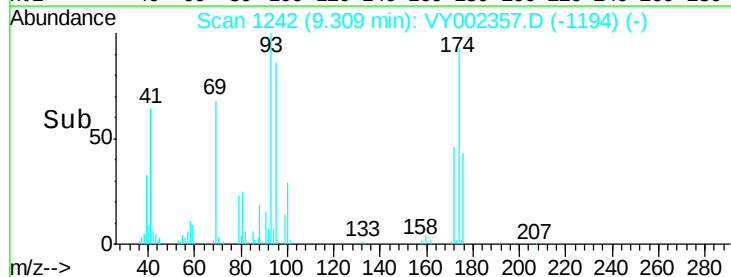
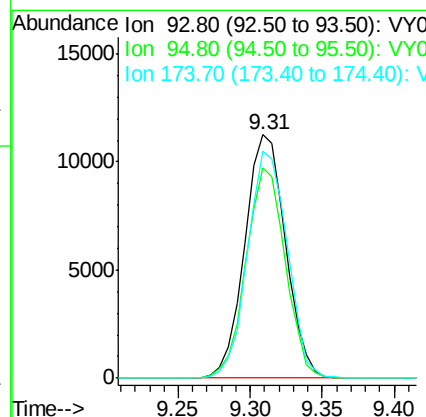
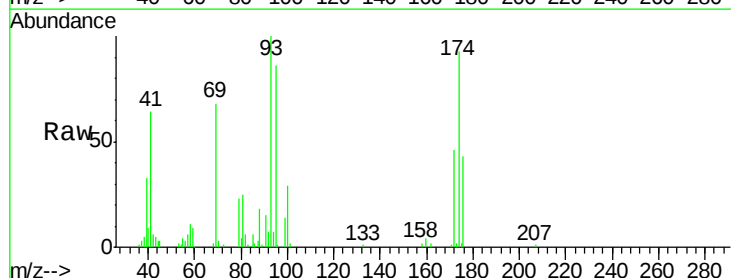
Manual Integrations
 APPROVED

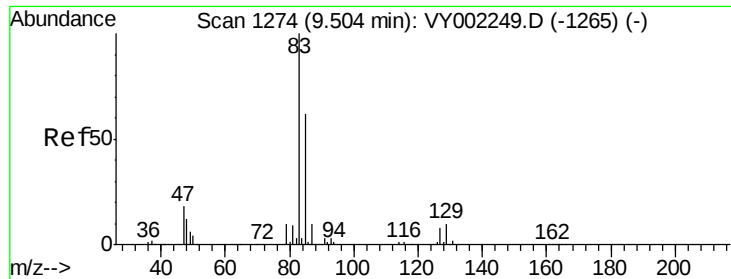
MMDadoda
 4/17/2020 11:52:04 AM



#46
 Dibromomethane
 Concen: 19.582 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	67.3	100.9
174	90.9	72.5	108.7





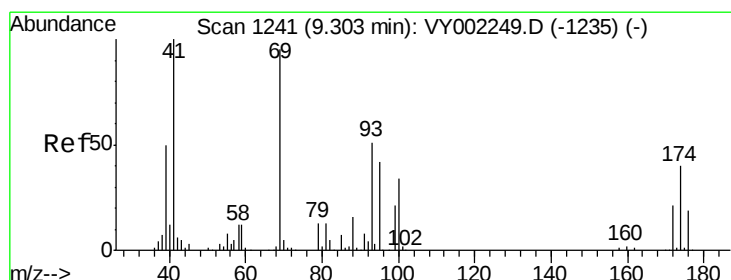
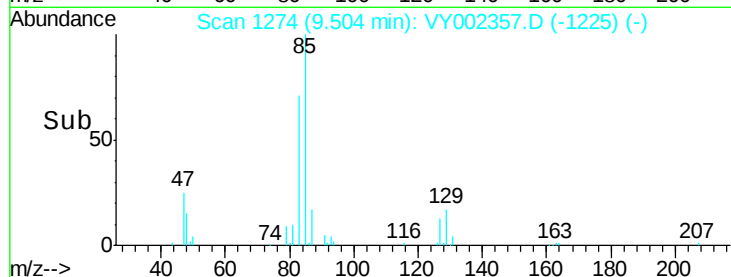
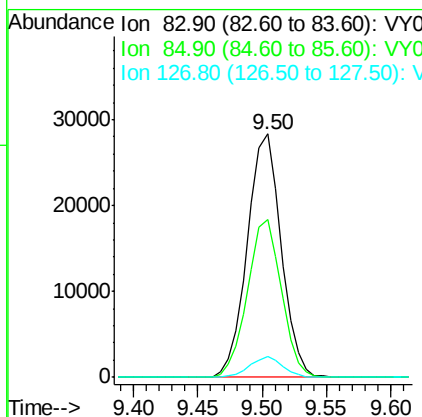
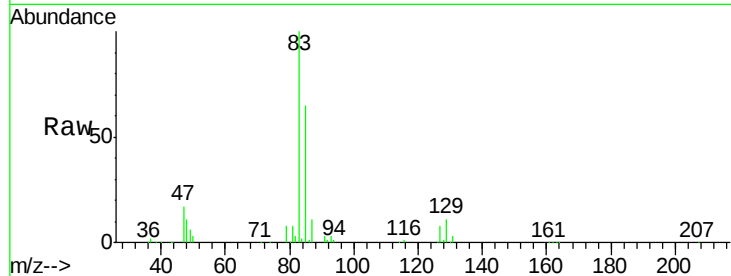
#47
Bromodichloromethane
Concen: 19.828 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	83	Resp	51259
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	49.7	74.5
127	8.3	6.2	9.4

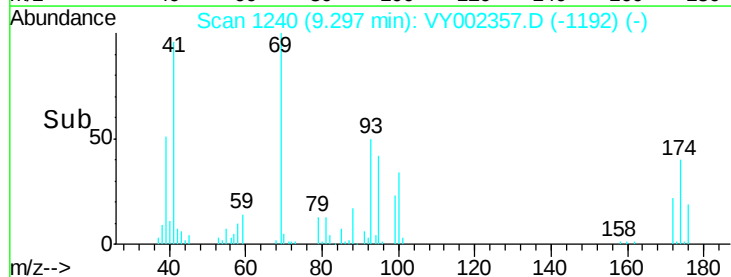
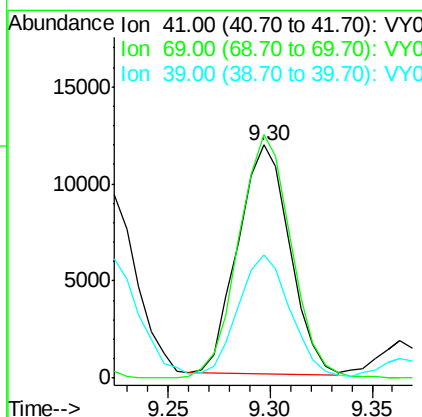
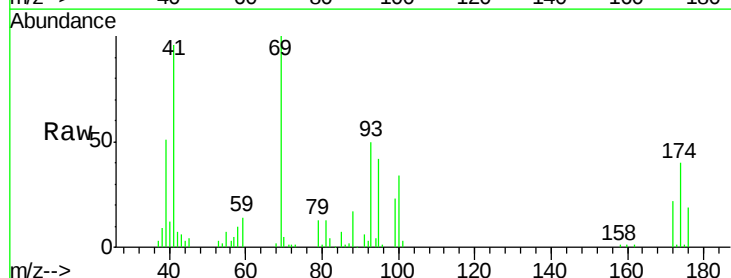
Manual Integrations
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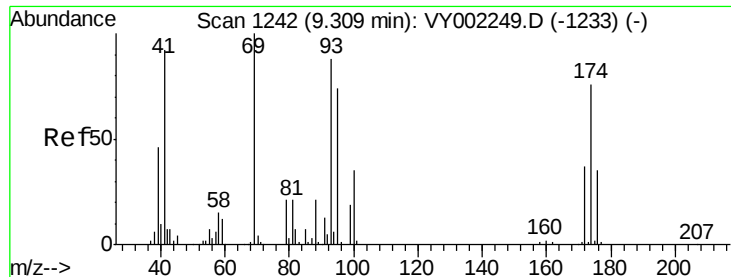
MMDadoda
4/17/2020 11:52:04 AM



#48
Methyl methacrylate
Concen: 15.523 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	41	Resp	20759
Ion Ratio	100	Lower	Upper
41	100		
69	108.5	76.7	115.1
39	53.1	40.5	60.7





#49

1,4-Dioxane

Concen: 358.897 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 88 Resp: 5720

Ion Ratio Lower Upper

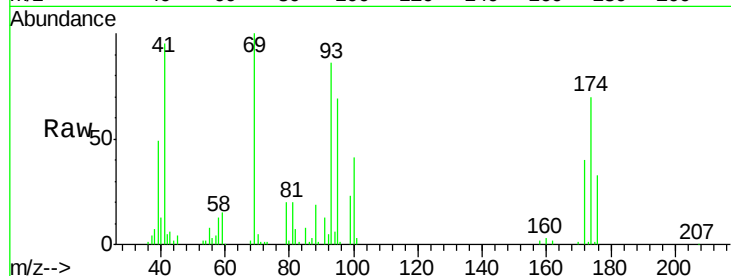
88 100

43 27.2 22.2 33.2

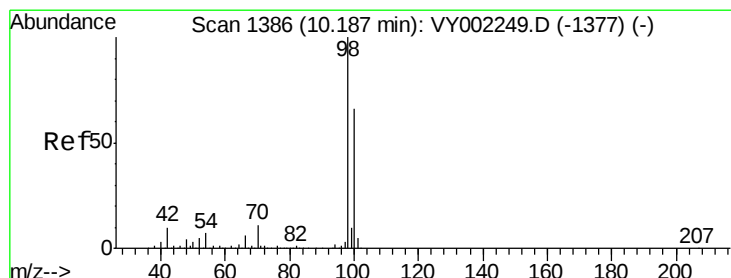
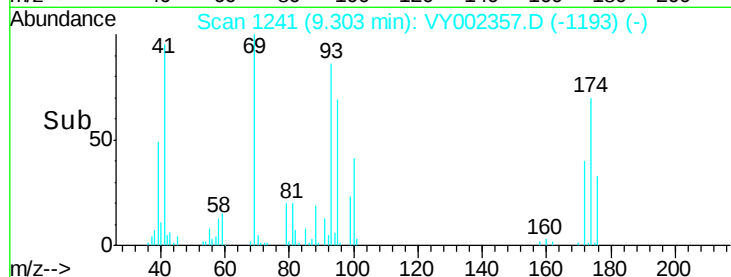
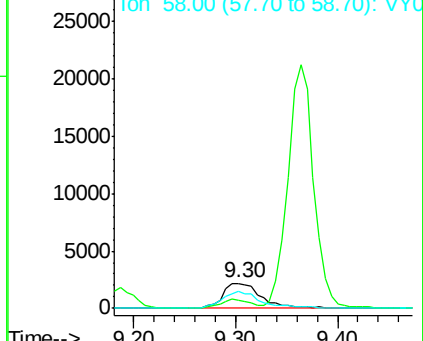
58 68.1 57.6 86.4

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



#50

Toluene-d8

Concen: 50.876 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002357.D

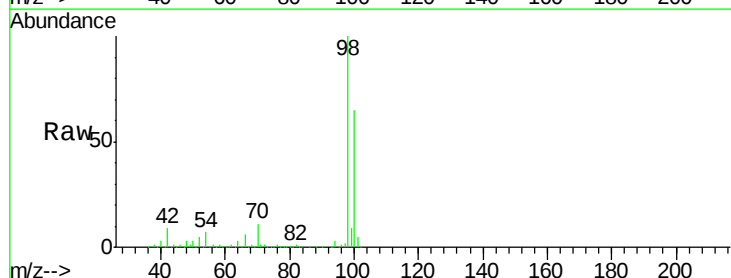
Acq: 16 Apr 2020 11:34

Tgt Ion: 98 Resp: 368237

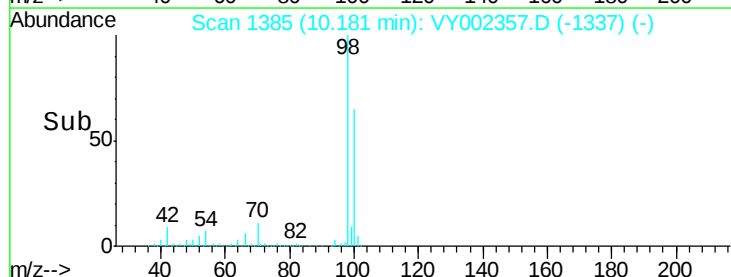
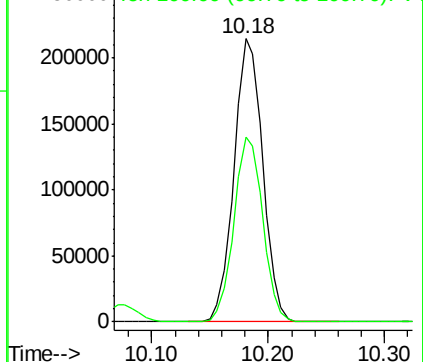
Ion Ratio Lower Upper

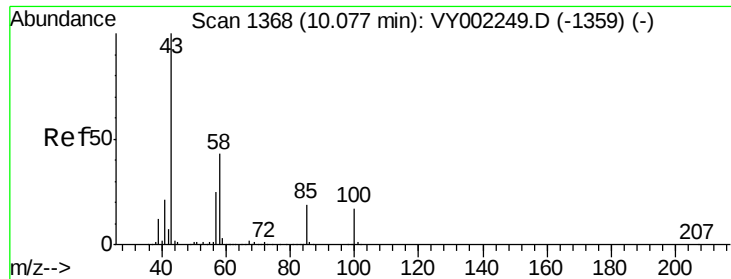
98 100

100 65.8 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 79.734 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion: 43 Resp: 123914

Ion Ratio Lower Upper

43 100

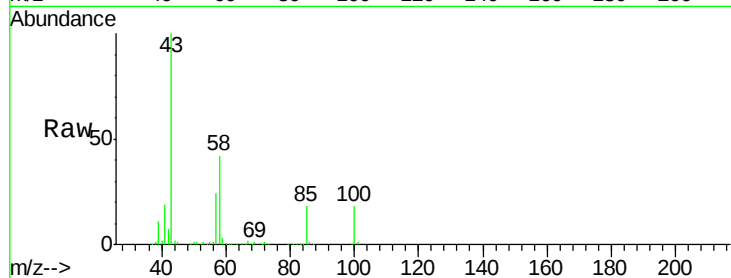
58 43.8 33.8 50.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

80000

60000

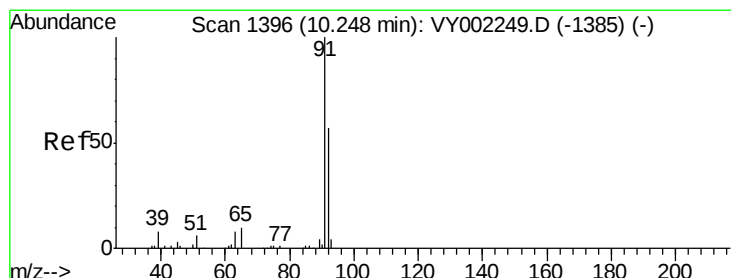
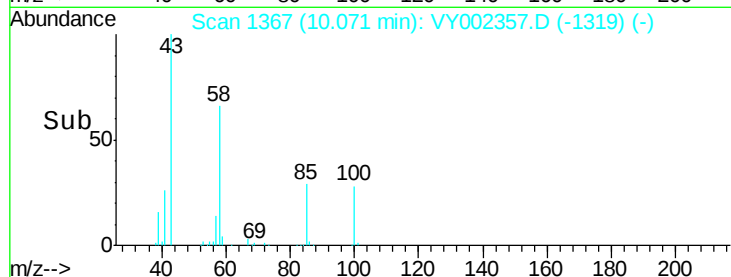
40000

20000

0

10.00 10.10

Time-->



#52

Toluene

Concen: 21.225 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY002357.D

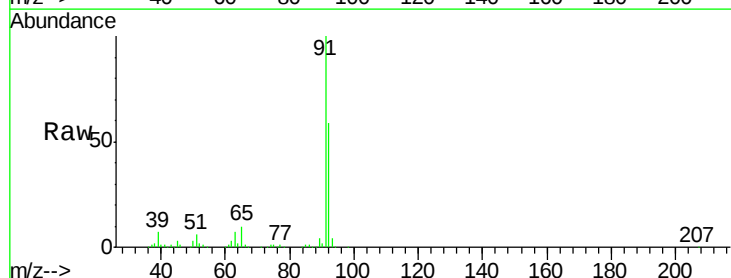
Acq: 16 Apr 2020 11:34

Tgt Ion: 92 Resp: 111090

Ion Ratio Lower Upper

92 100

91 169.7 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

120000

100000

80000

60000

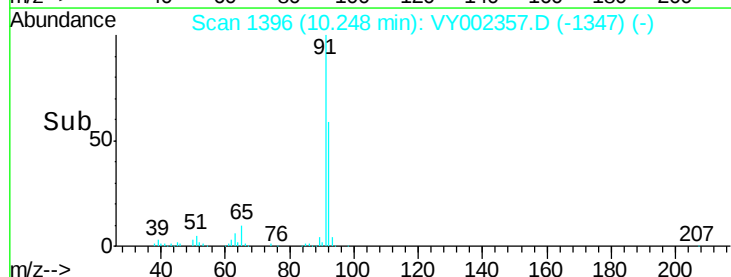
40000

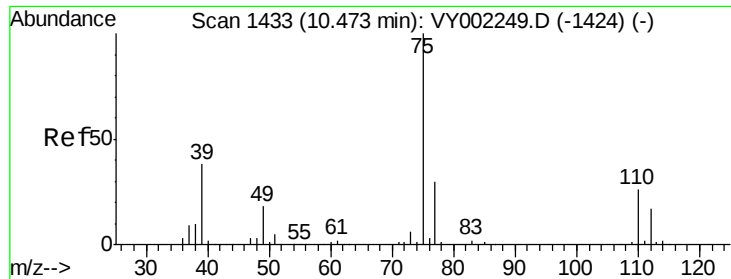
20000

0

10.20 10.30

Time-->





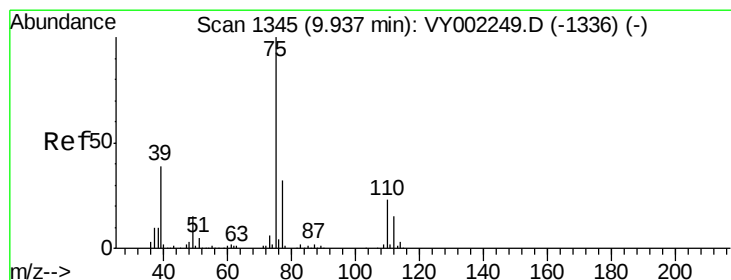
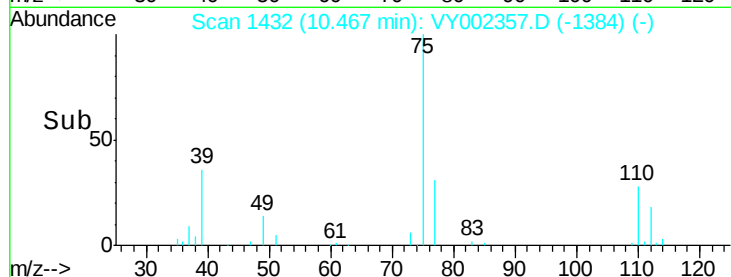
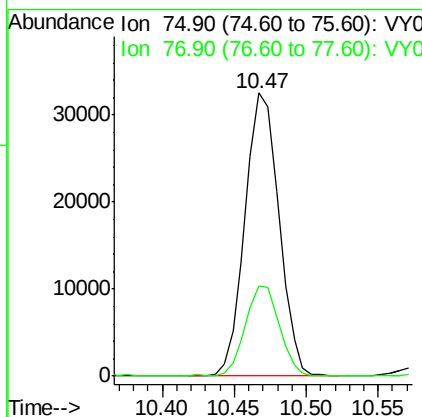
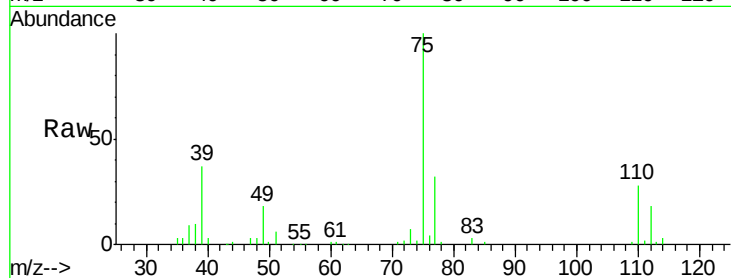
#53
t-1,3-Dichloropropene
Concen: 18.960 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.2	36.2

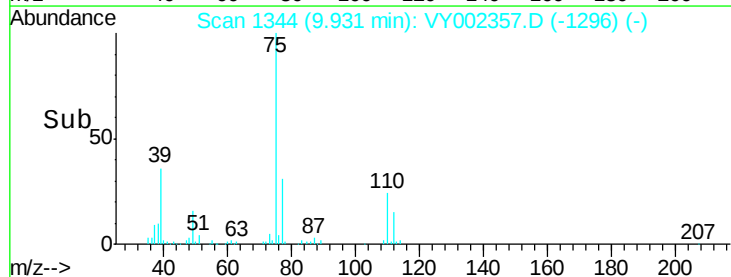
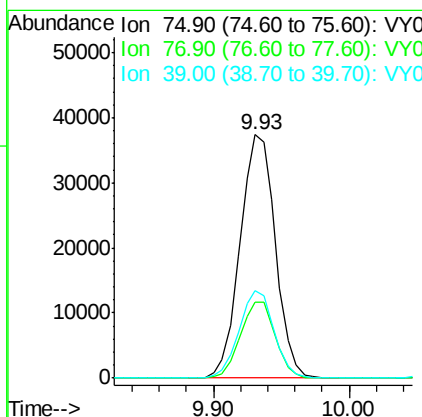
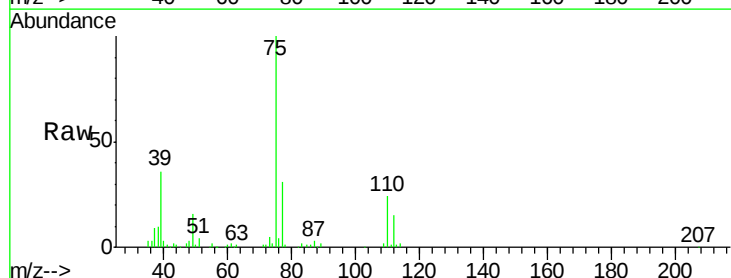
Manual Integrations
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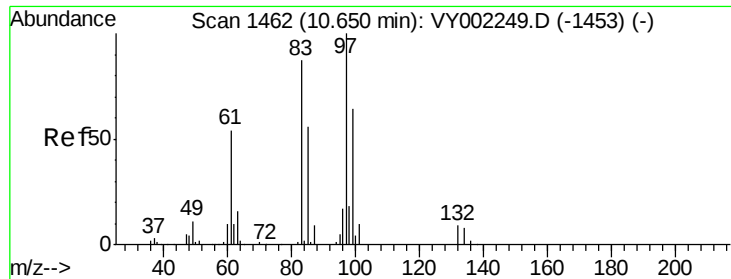
MMDadoda
4/17/2020 11:52:04 AM



#54
cis-1,3-Dichloropropene
Concen: 19.992 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	35.8	30.8	46.2





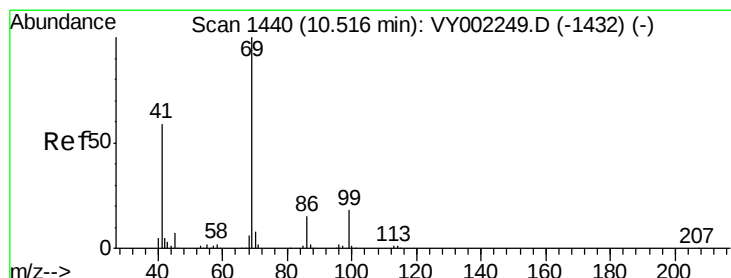
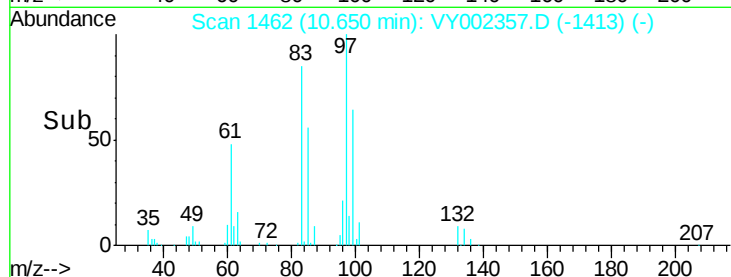
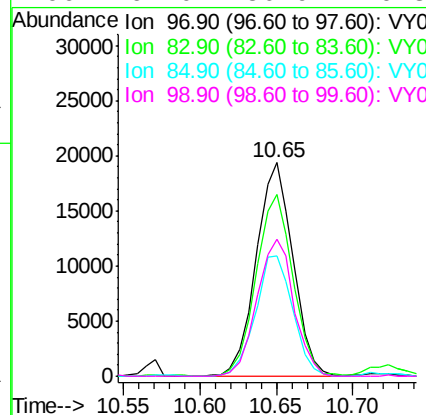
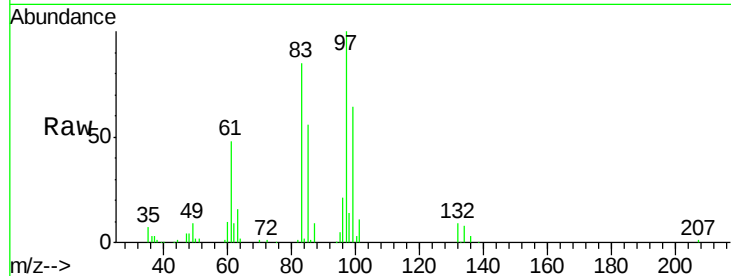
#55
 1,1,2-Trichloroethane
 Concen: 19.599 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion:	97	Resp:	32329
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.5	104.3
85	56.4	45.2	67.8
99	64.0	50.9	76.3

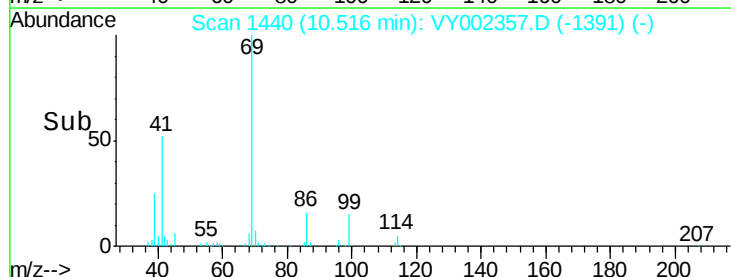
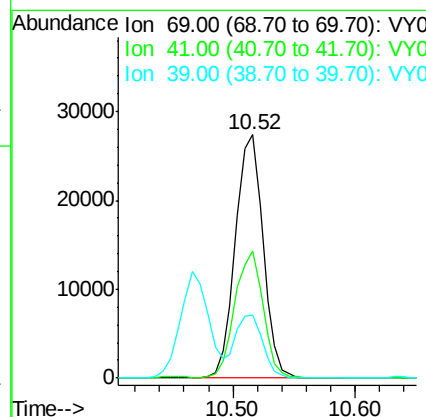
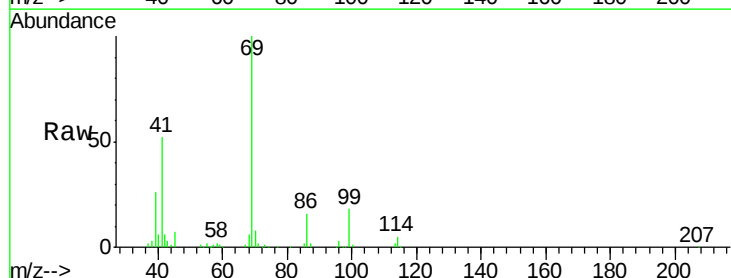
Manual Integrations
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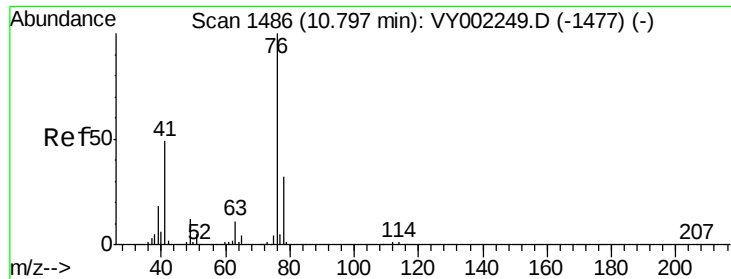
MMDadoda
 4/17/2020 11:52:04 AM



#56
 Ethyl methacrylate
 Concen: 18.213 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion:	69	Resp:	42878
Ion	Ratio	Lower	Upper
69	100		
41	53.4	47.9	71.9
39	26.1	23.8	35.6





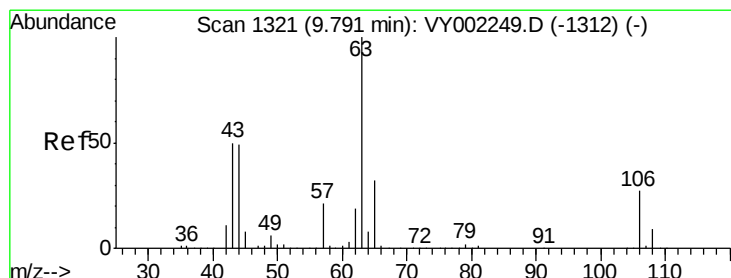
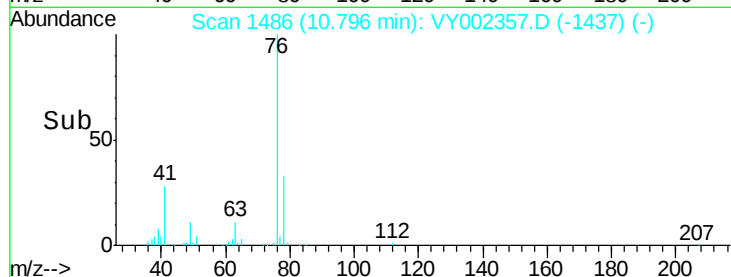
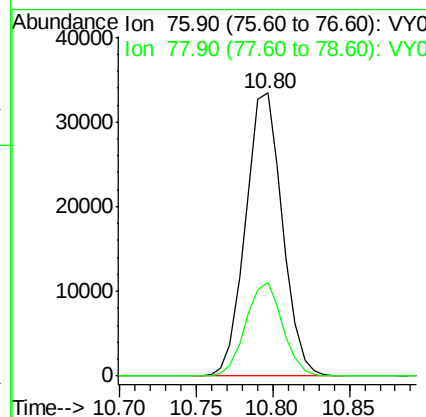
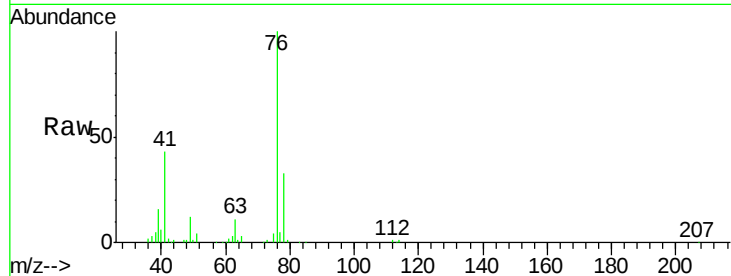
#57
 1,3-Dichloropropane
 Concen: 19.281 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion: 76 Resp: 55903
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.6

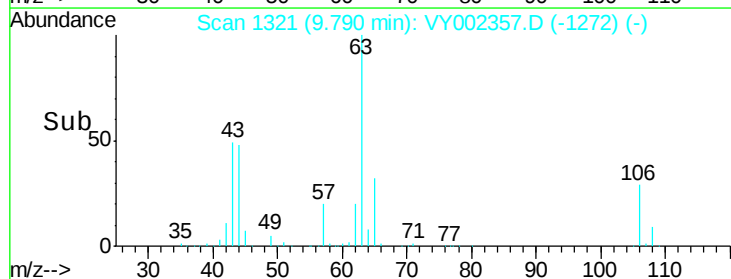
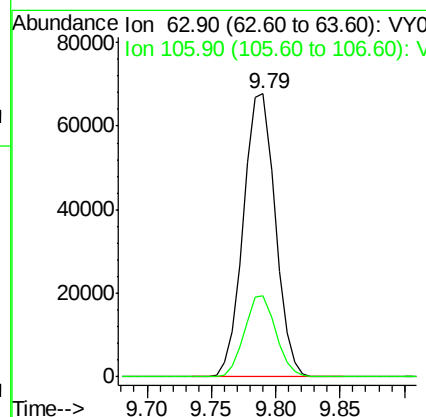
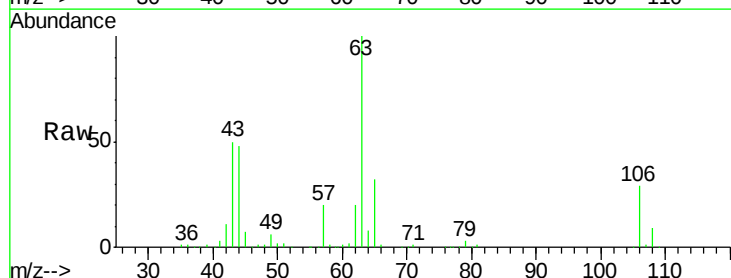
Manual Integrations
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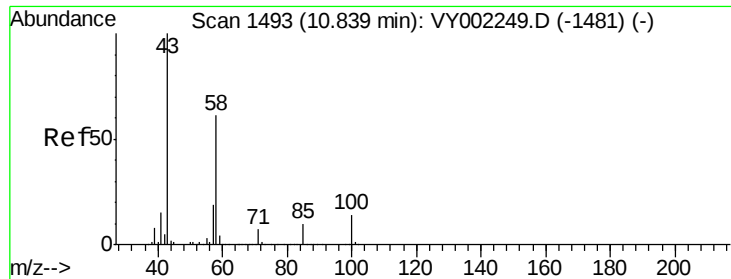
MMDadoda
 4/17/2020 11:52:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.114 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion: 63 Resp: 115960
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2





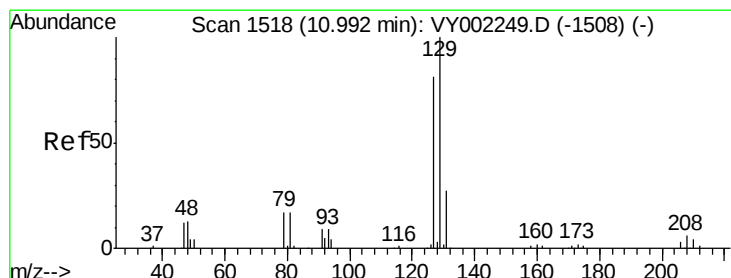
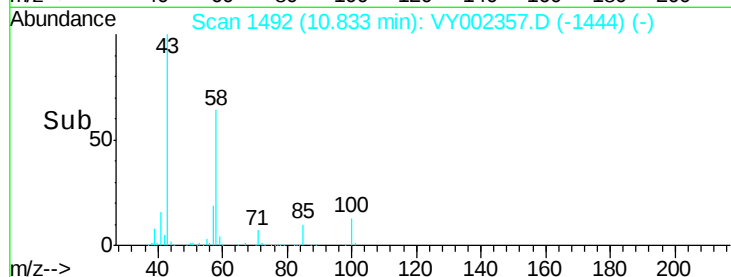
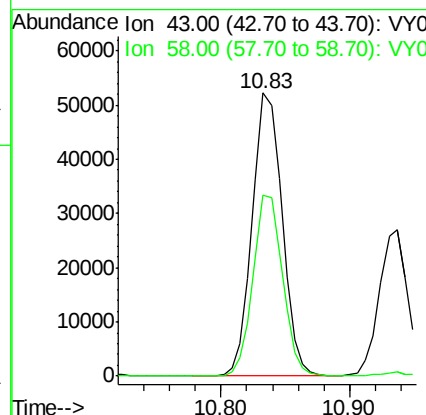
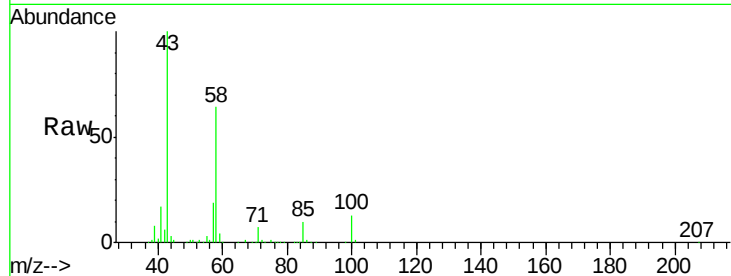
#59
2-Hexanone
Concen: 78.031 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 43 Resp: 84163
Ion Ratio Lower Upper
43 100
58 62.8 29.8 89.3

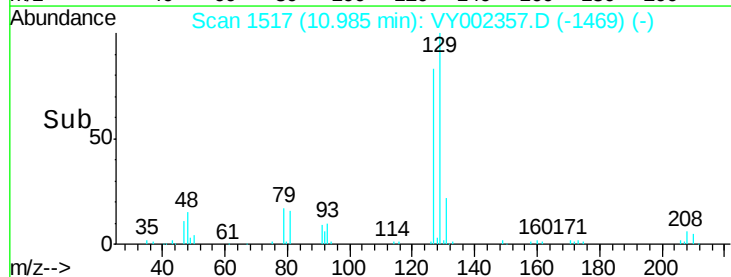
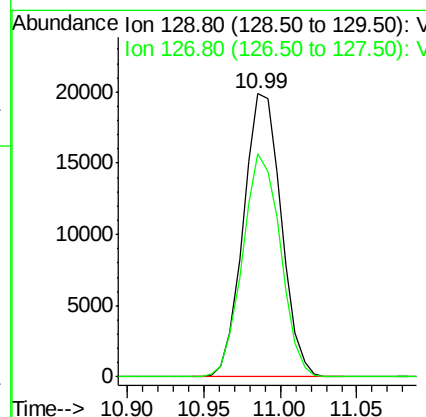
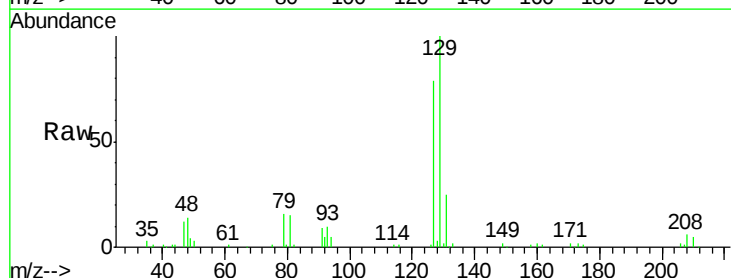
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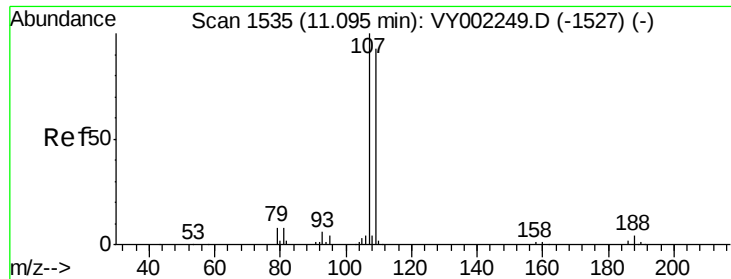
MMDadoda
4/17/2020 11:52:04 AM



#60
Dibromochloromethane
Concen: 19.422 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion: 129 Resp: 34161
Ion Ratio Lower Upper
129 100
127 79.0 39.0 117.0





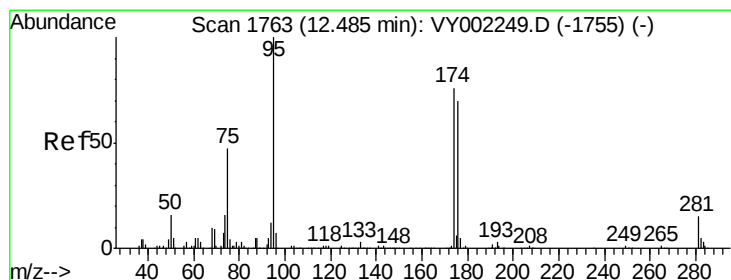
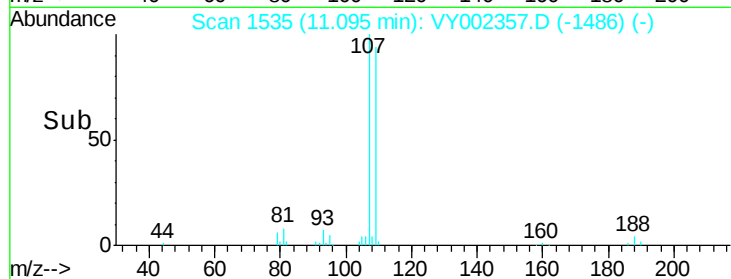
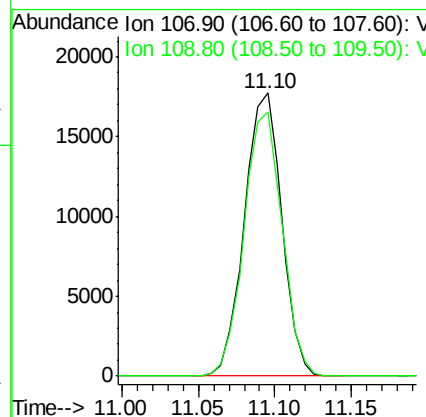
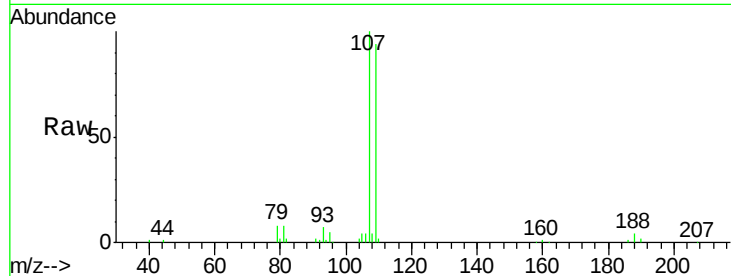
#61
 1,2-Dibromoethane
 Concen: 19.158 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion: 107 Resp: 30085
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.6 113.4

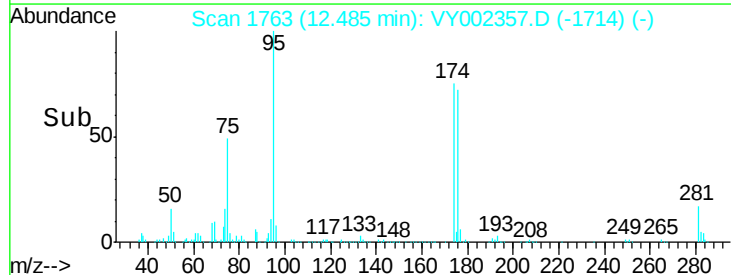
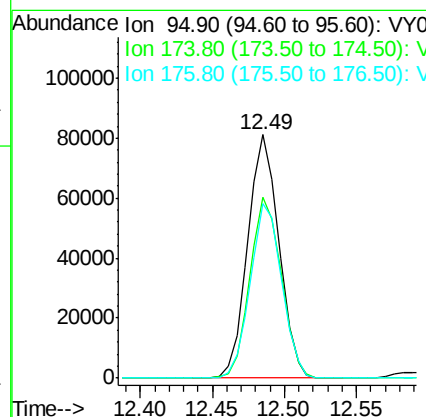
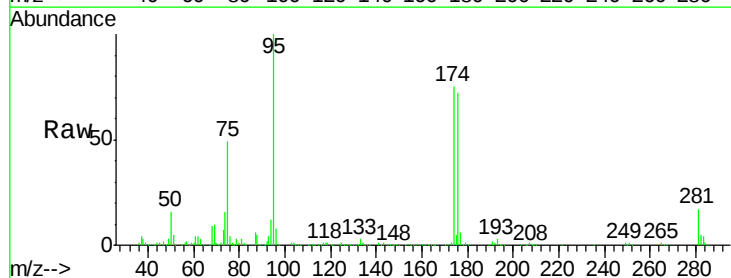
Manual Integrations
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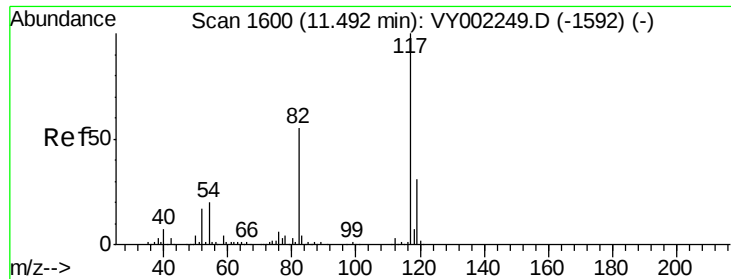
MMDadoda
 4/17/2020 11:52:04 AM



#62
 4-Bromofluorobenzene
 Concen: 50.868 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion: 95 Resp: 121468
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.6
 176 72.1 0.0 141.4





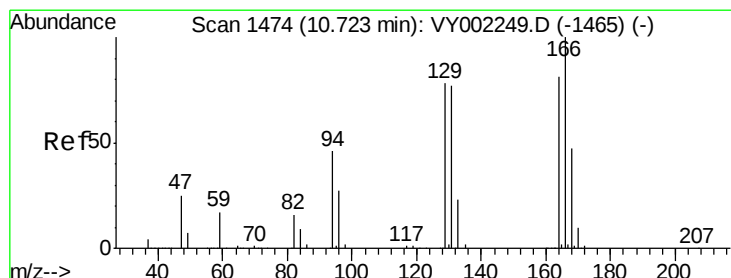
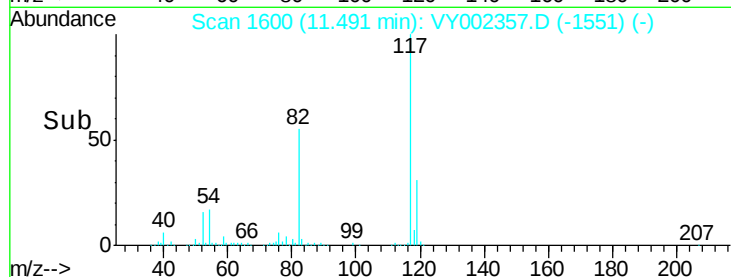
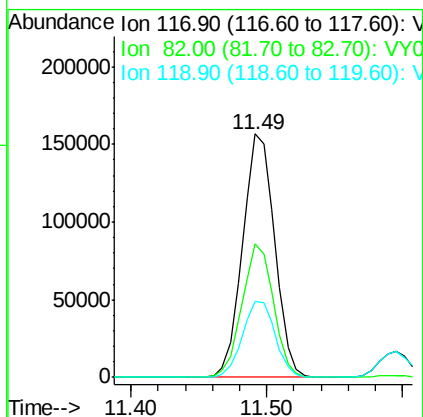
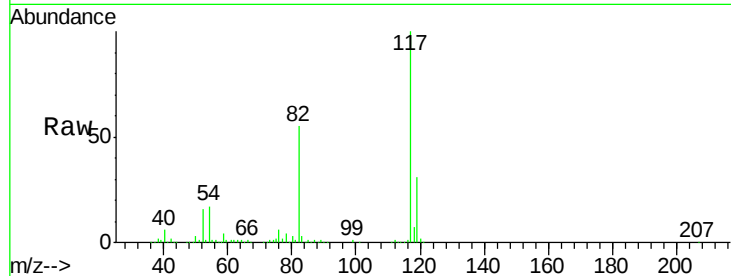
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258634		
82	54.9		44.2	66.4
119	31.1		25.1	37.7

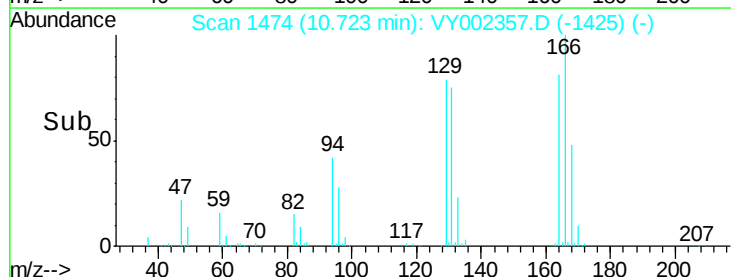
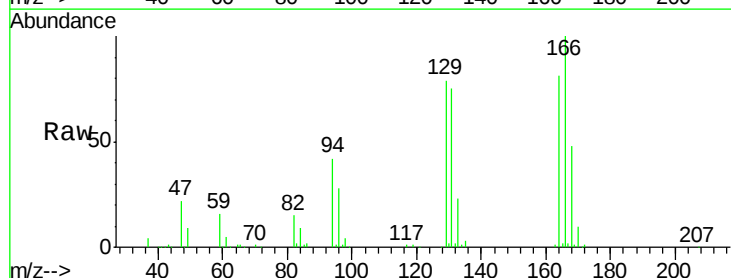
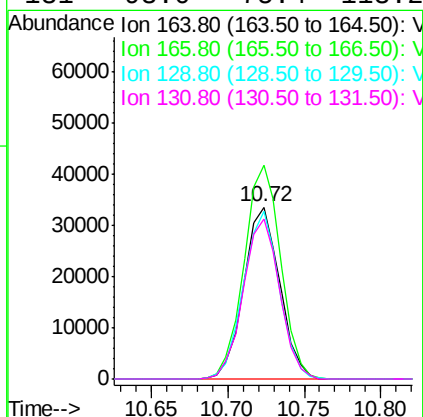
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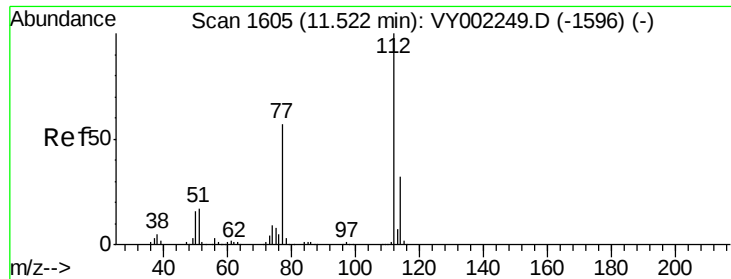
MMDadoda
4/17/2020 11:52:04 AM



#64
Tetrachloroethene
Concen: 21.026 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54979		
166	124.1		98.4	147.6
129	97.5		76.6	115.0
131	93.0		75.4	113.2





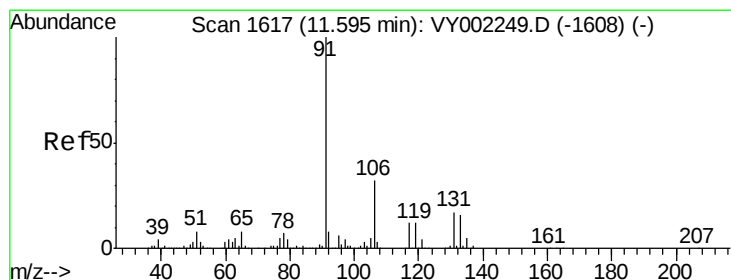
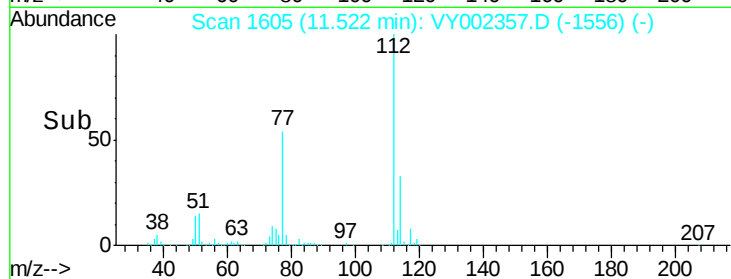
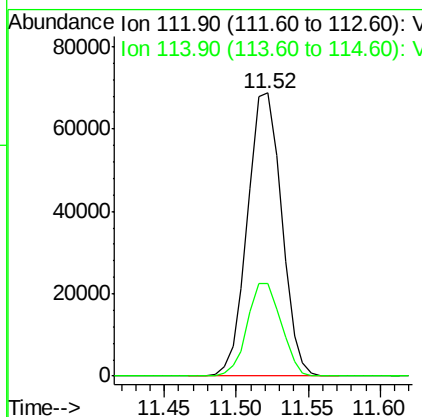
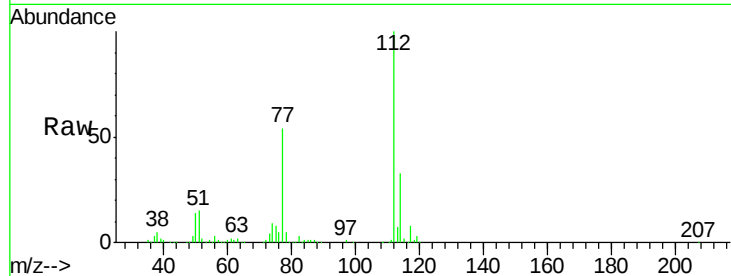
#65
Chlorobenzene
Concen: 20.998 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion:112 Resp: 112889
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4

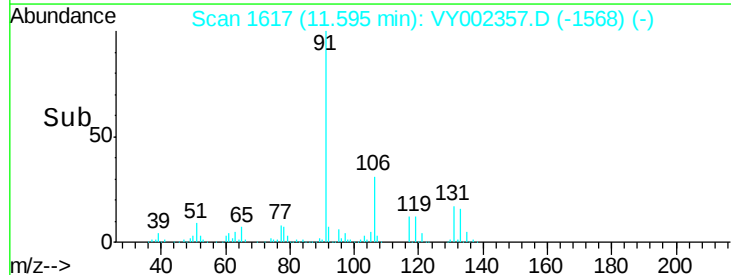
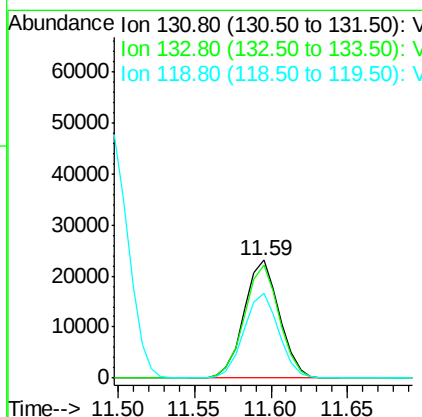
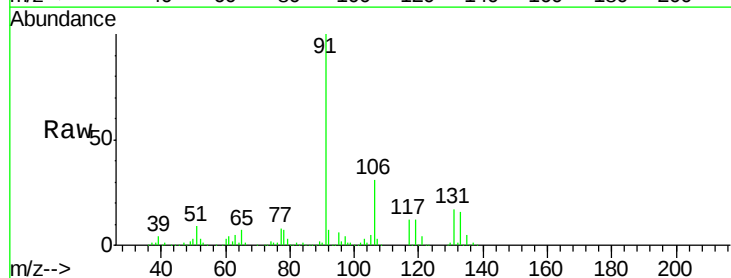
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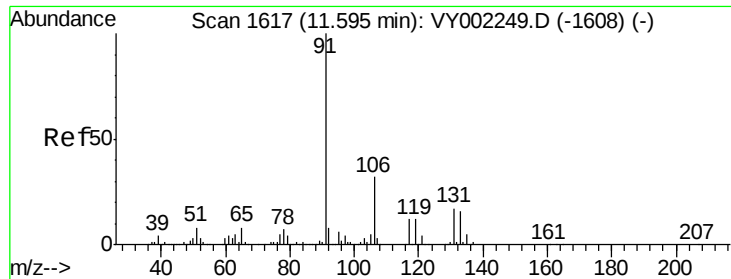
MMDadoda
4/17/2020 11:52:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.906 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion:131 Resp: 37108
Ion Ratio Lower Upper
131 100
133 94.4 46.5 139.3
119 71.2 34.5 103.6





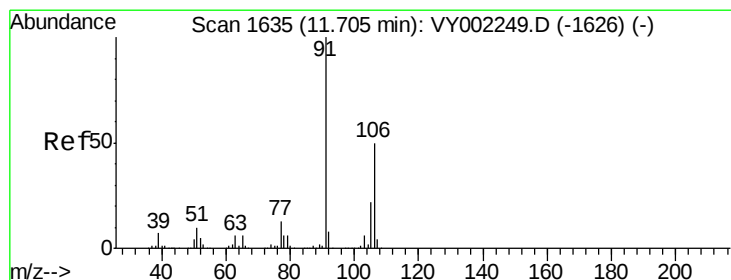
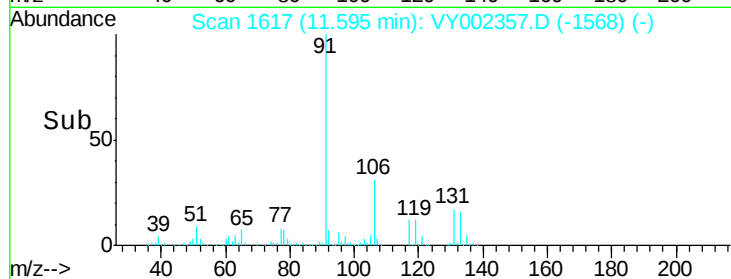
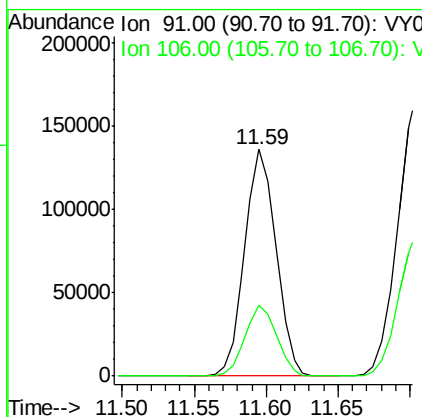
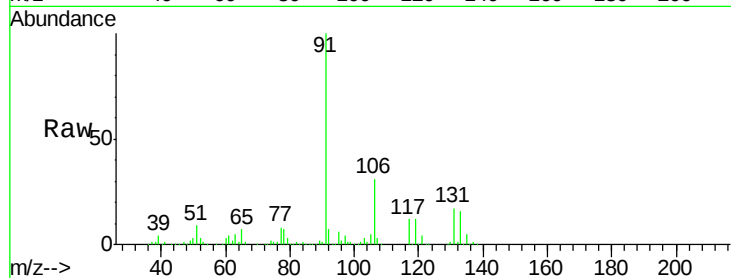
#67
Ethyl Benzene
Concen: 20.889 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion: 91 Resp: 205589
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

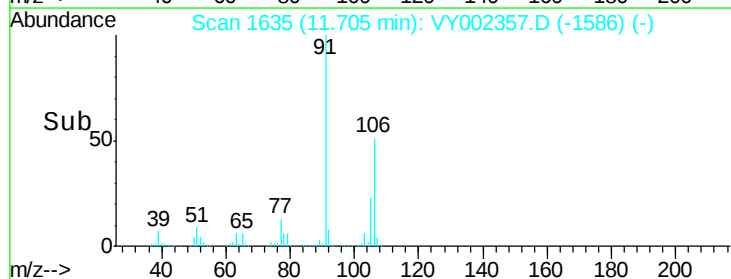
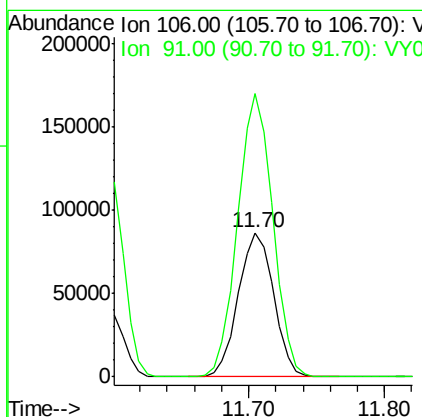
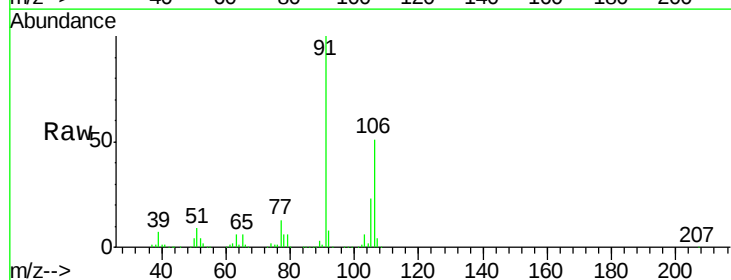
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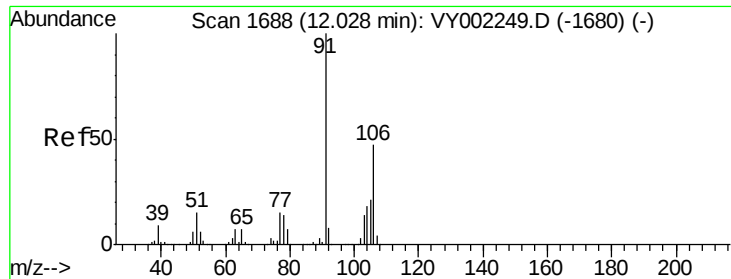
MMDadoda
4/17/2020 11:52:04 AM



#68
m/p-Xylenes
Concen: 42.744 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion: 106 Resp: 157567
Ion Ratio Lower Upper
106 100
91 194.6 159.8 239.6





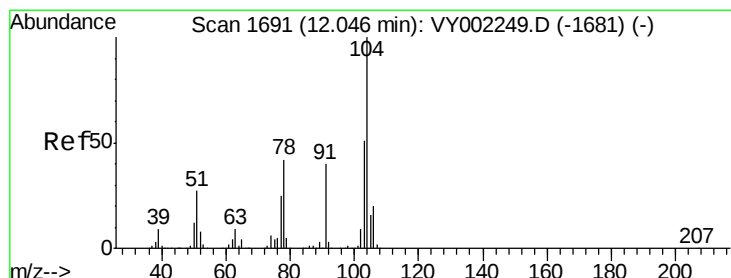
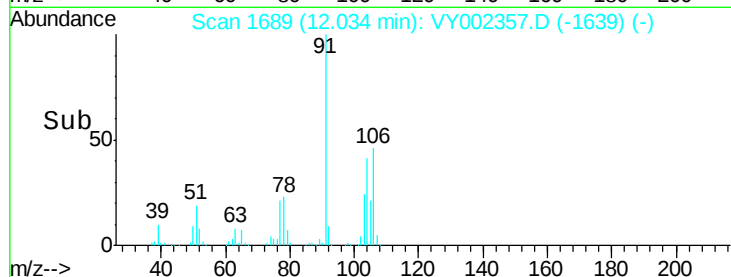
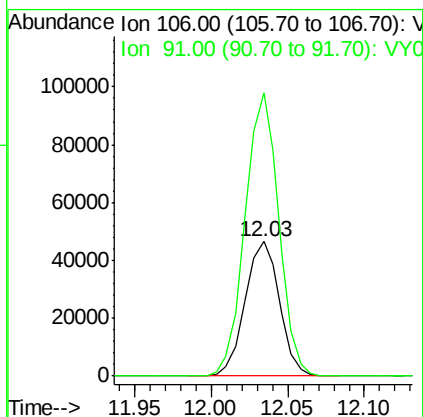
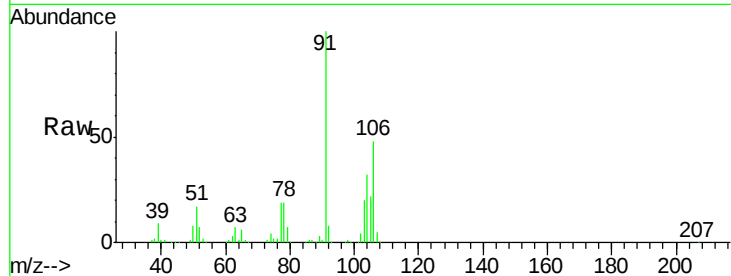
#69
o-Xylene
Concen: 21.028 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion:106 Resp: 72776
Ion Ratio Lower Upper
106 100
91 205.7 105.8 317.3

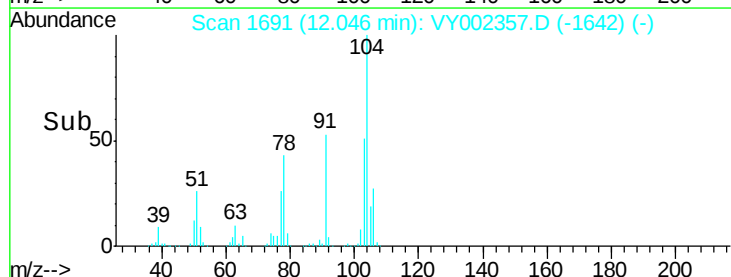
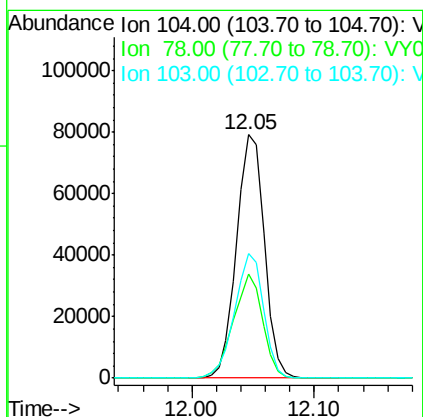
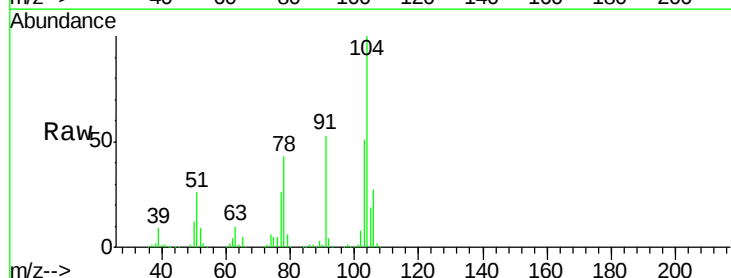
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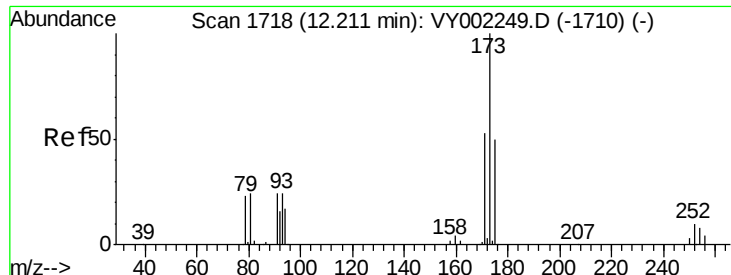
MMDadoda
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#70
Styrene
Concen: 20.793 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion:104 Resp: 124851
Ion Ratio Lower Upper
104 100
78 44.8 37.2 55.8
103 53.2 43.4 65.0





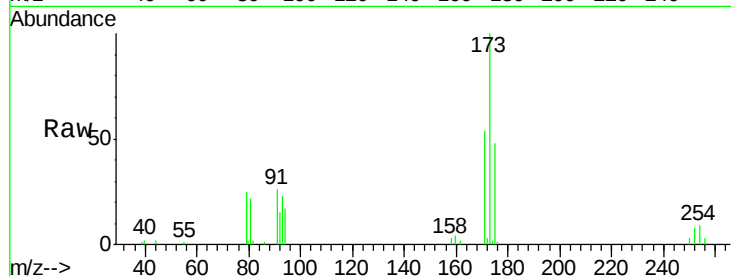
#71
Bromoform
Concen: 19.060 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

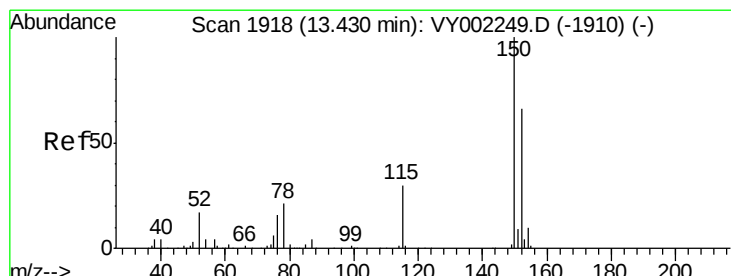
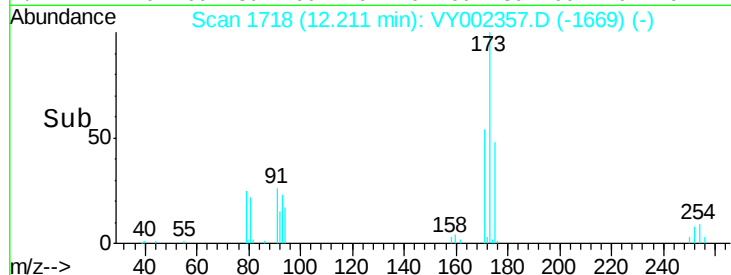
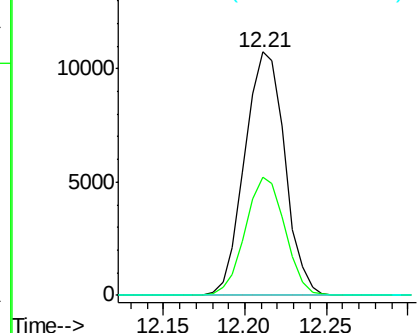
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.0	0.0

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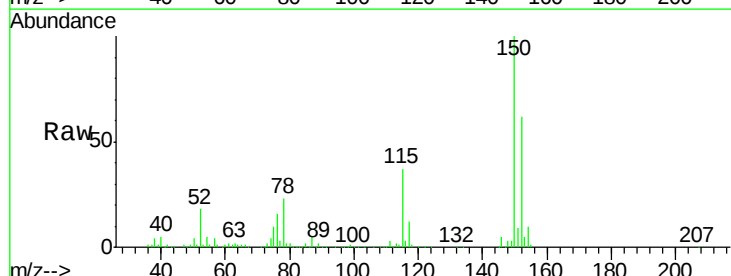


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

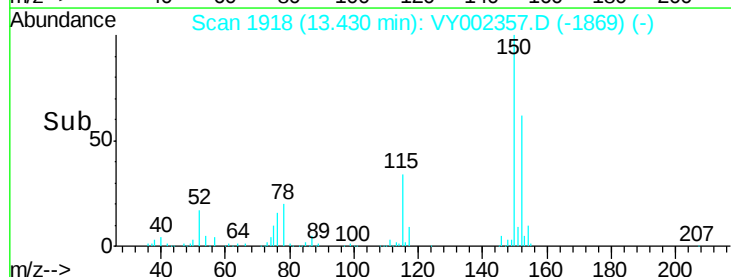
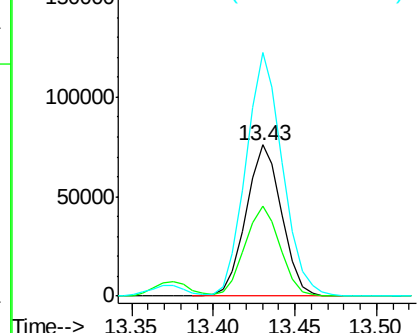


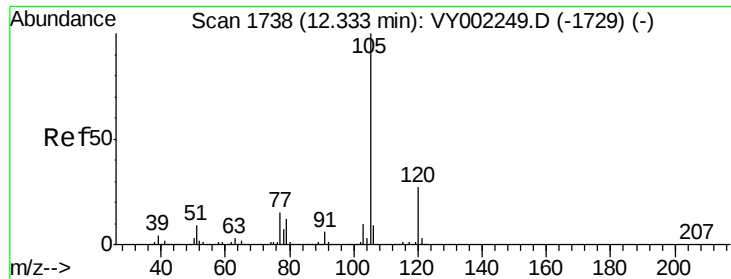
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.7	92.1
150	166.1	0.0	350.6



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





#73

Isopropylbenzene

Concen: 21.598 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:105 Resp: 195857

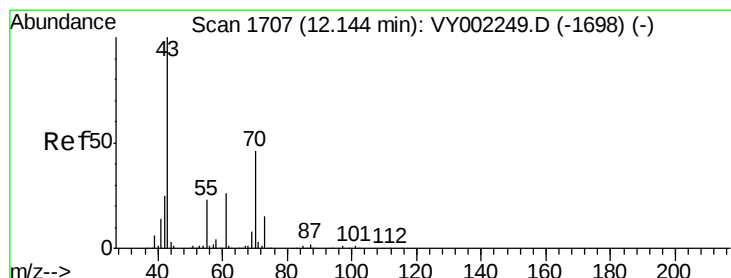
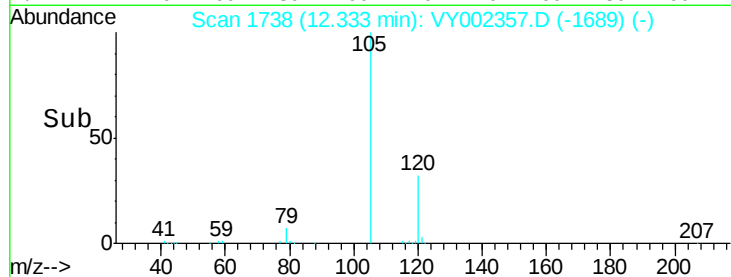
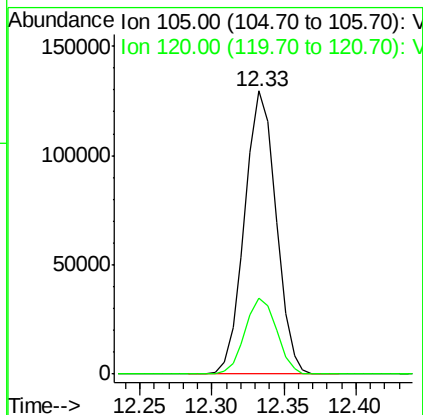
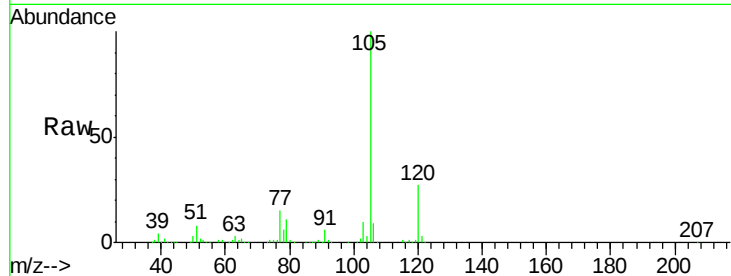
Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8

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#74

N-ethyl acetate

Concen: 16.617 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion: 43 Resp: 42774

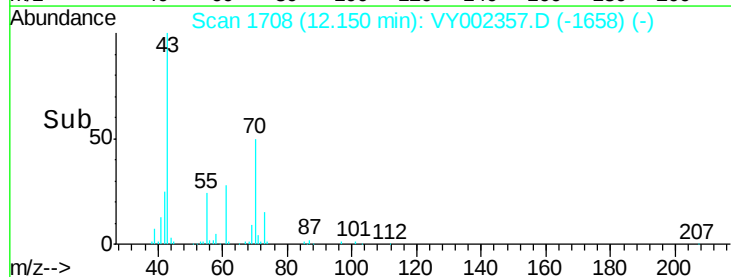
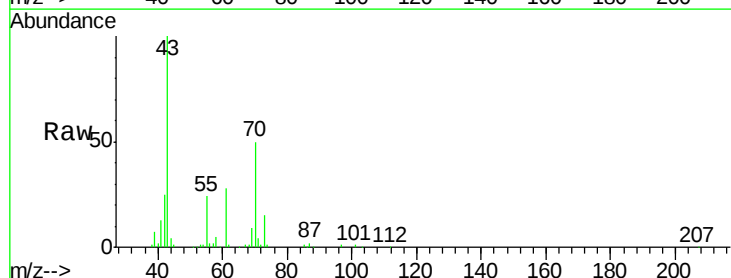
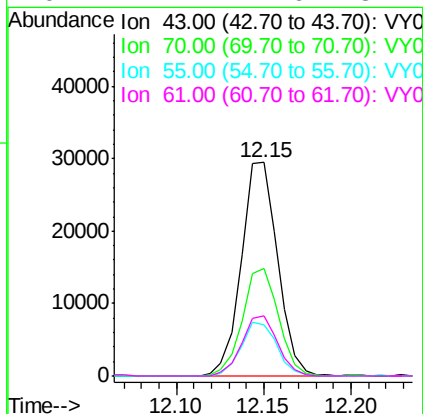
Ion Ratio Lower Upper

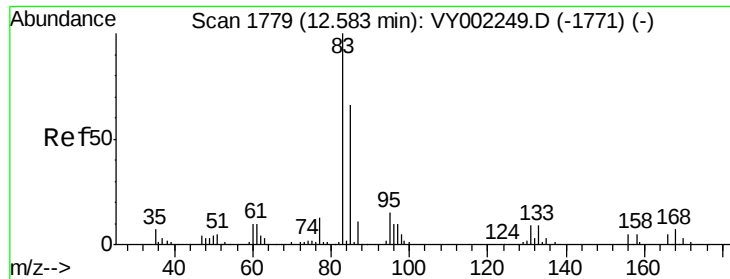
43 100

70 50.1 37.5 56.3

55 24.9 19.0 28.6

61 27.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.900 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

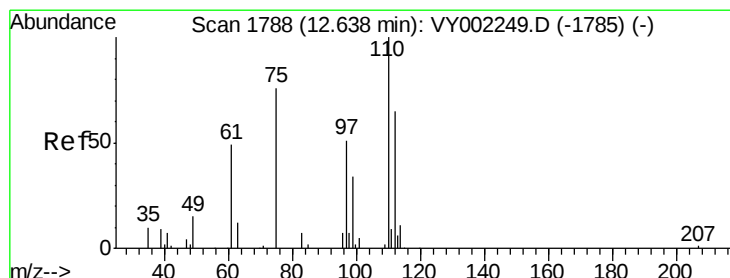
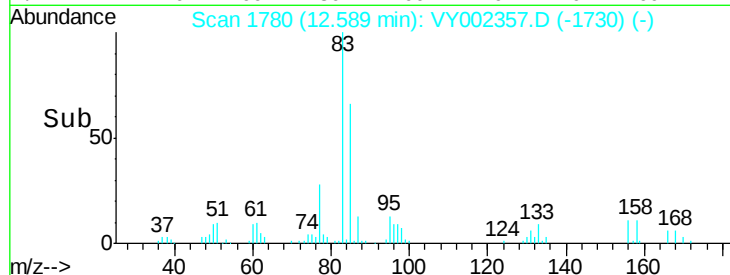
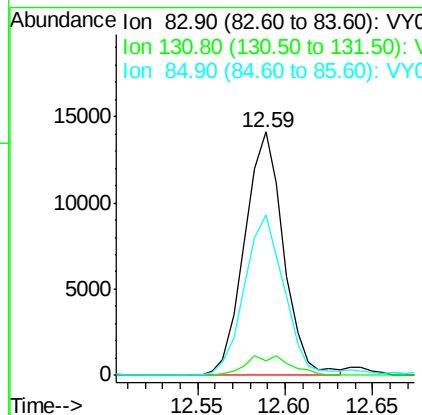
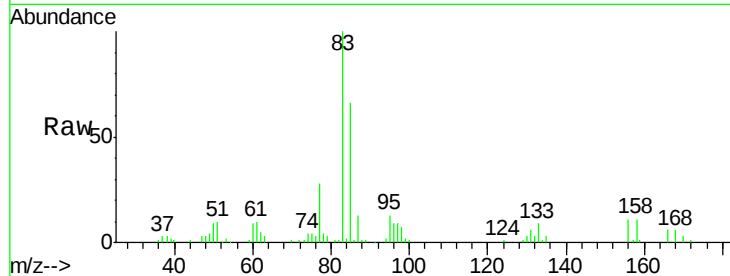
ClientSampleId :

VY0416SBS01

Tot Ion:	83	Resp:	21833
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	66.9	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.929 ug/l m

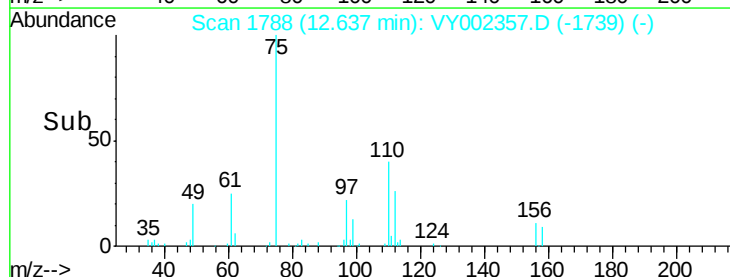
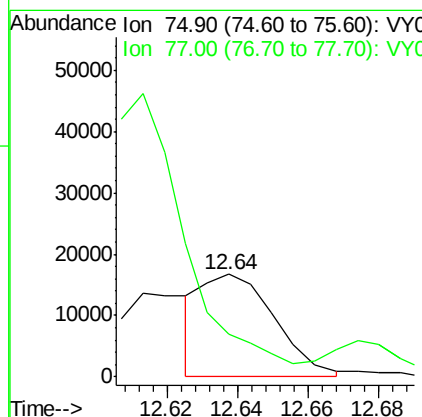
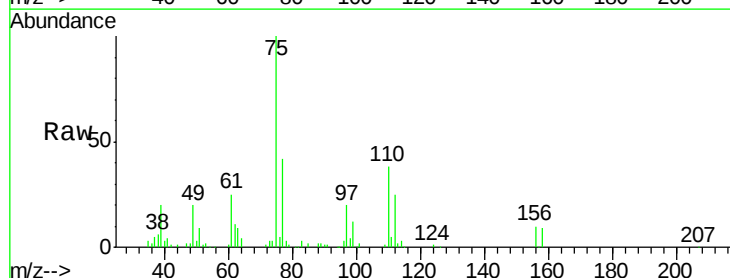
RT: 12.64 min Scan# 1788

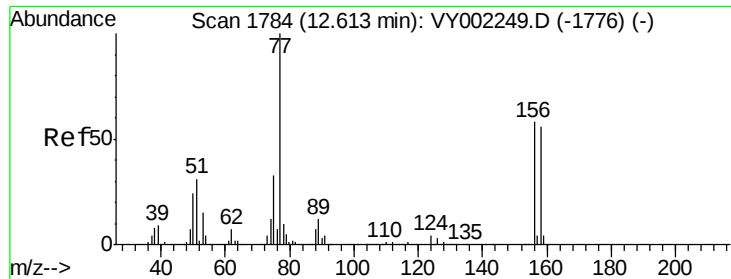
Delta R.T. -0.00 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	75	Resp:	24032
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.934 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:156 Resp: 41765

Ion Ratio Lower Upper

156 100

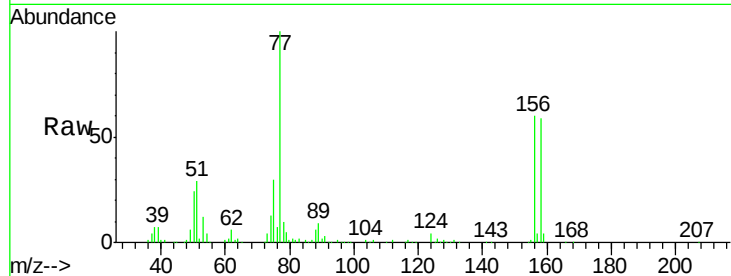
77 194.1 101.3 303.9

158 96.8 48.3 144.8

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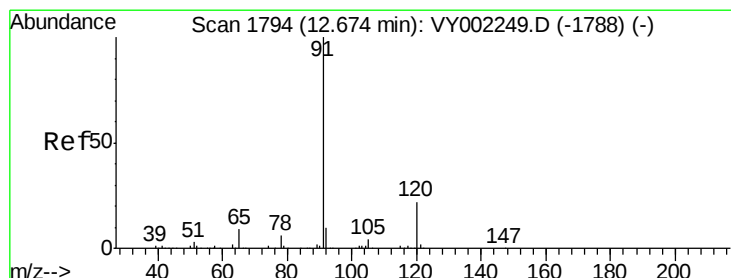
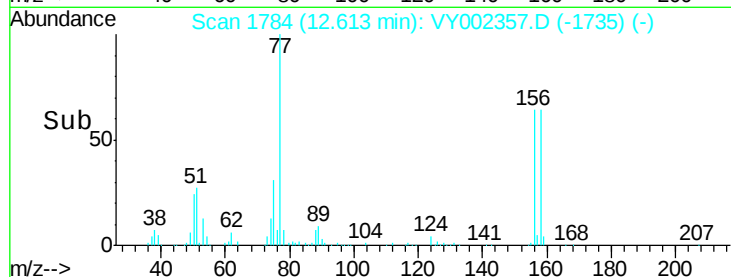
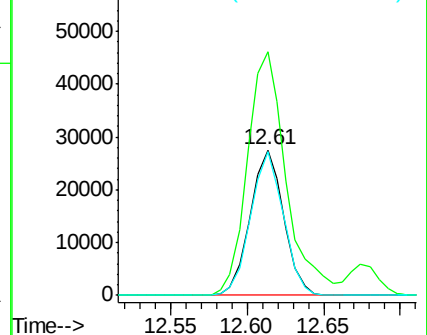
4/17/2020 11:52:04 AM



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: 21.269 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY002357.D

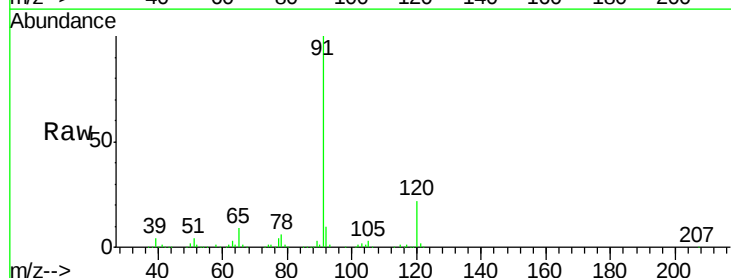
Acq: 16 Apr 2020 11:34

Tgt Ion: 91 Resp: 239879

Ion Ratio Lower Upper

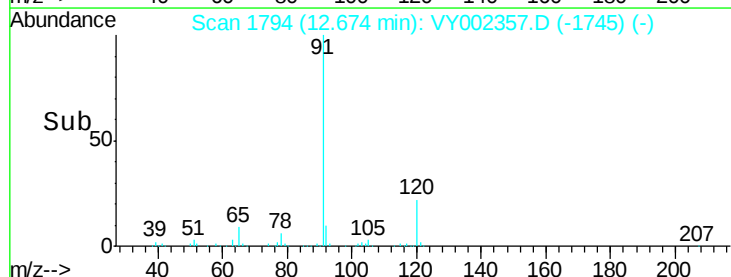
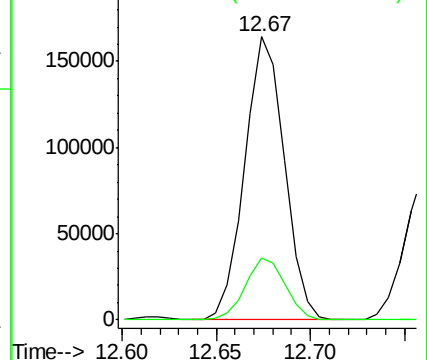
91 100

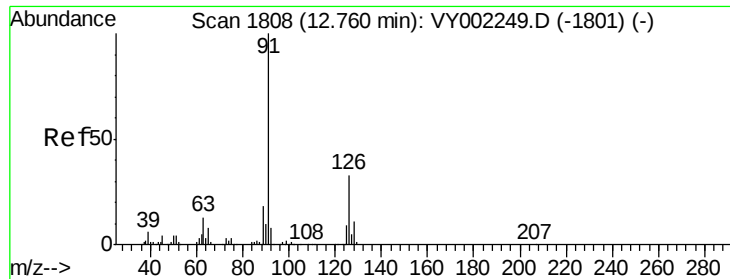
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





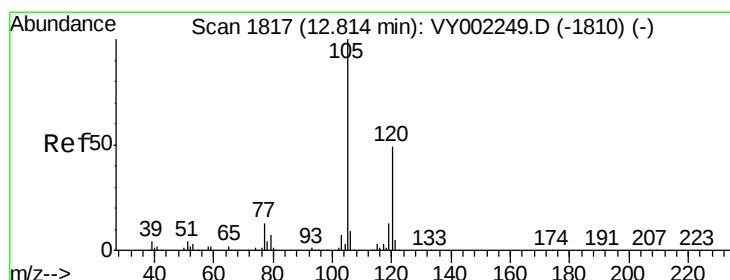
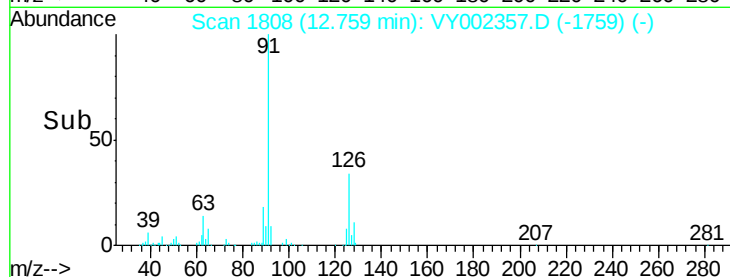
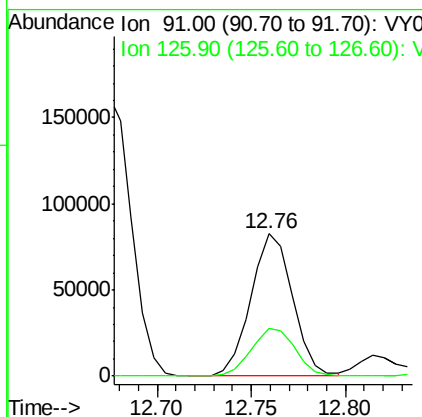
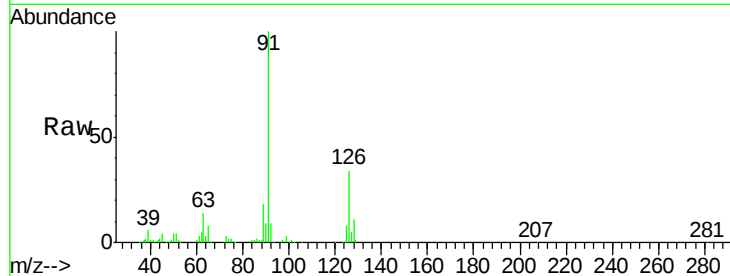
#79
 2-Chlorotoluene
 Concen: 20.730 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion: 91 Resp: 127061
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.9 50.7

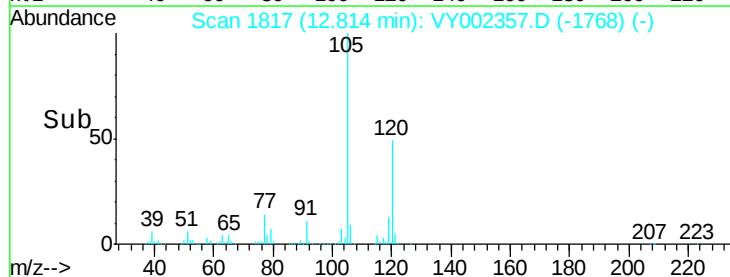
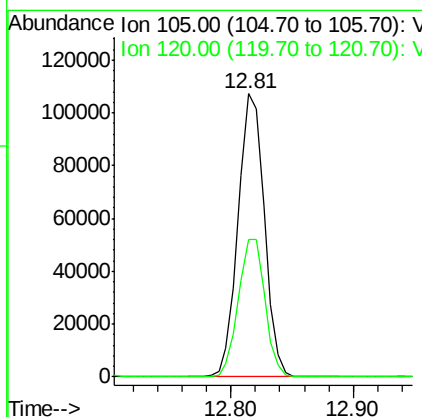
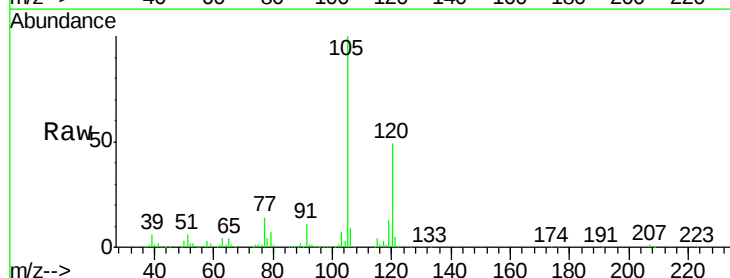
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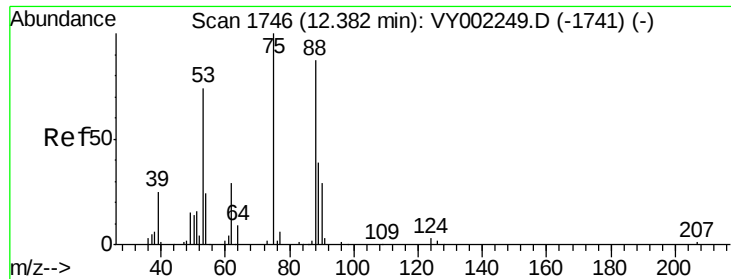
MMDadoda
 4/17/2020 11:52:04 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.229 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion: 105 Resp: 159210
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.753 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

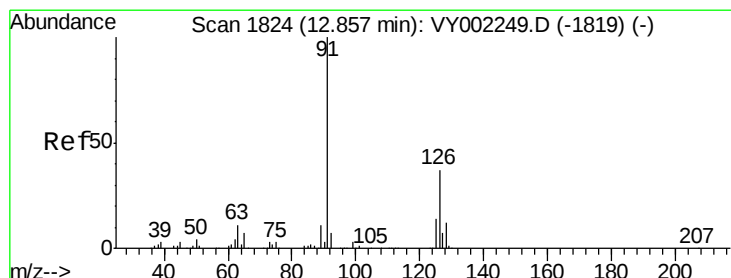
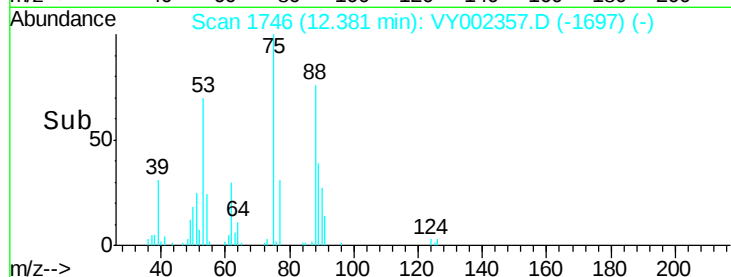
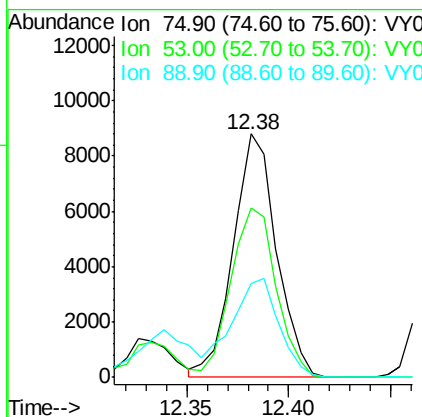
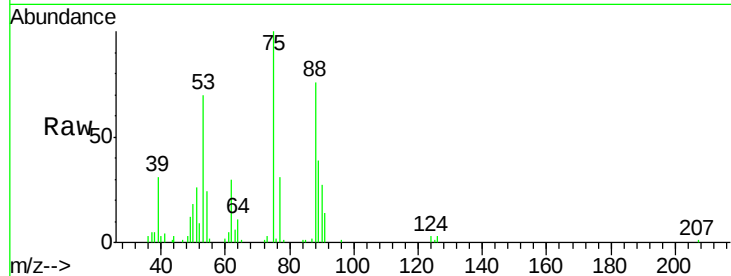
ClientSampleId :

VY0416SBS01

Tot Ion:	75	Resp:	12924
Ion	Ratio	Lower	Upper
75	100		
53	72.4	59.8	89.8
89	45.2	37.0	55.6

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#82

4-Chlorotoluene

Concen: 20.866 ug/l

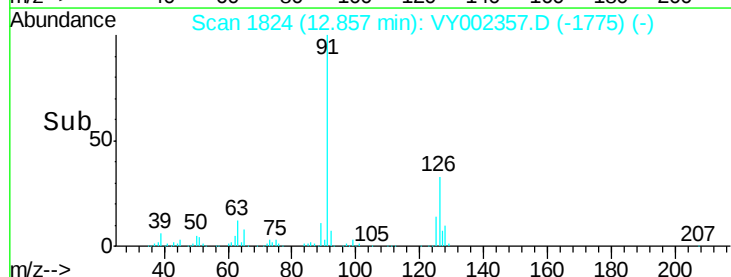
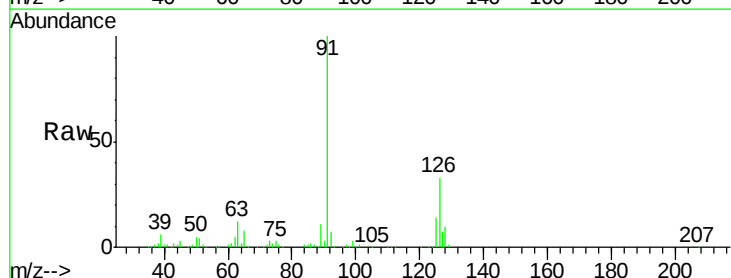
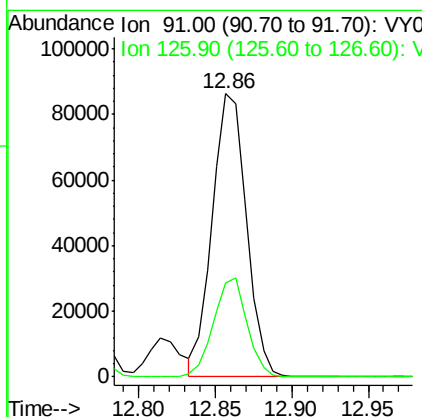
RT: 12.86 min Scan# 1824

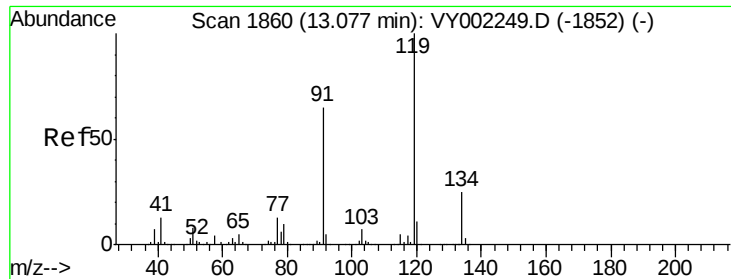
Delta R.T. -0.00 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Tgt Ion:	91	Resp:	134048
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





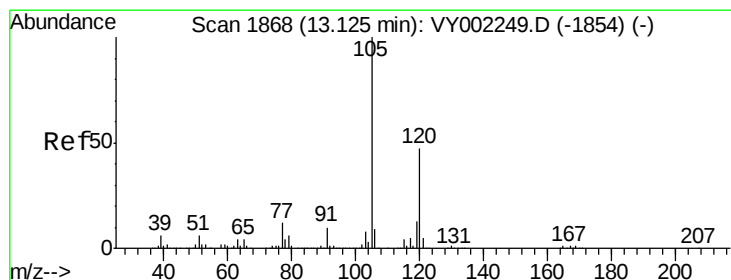
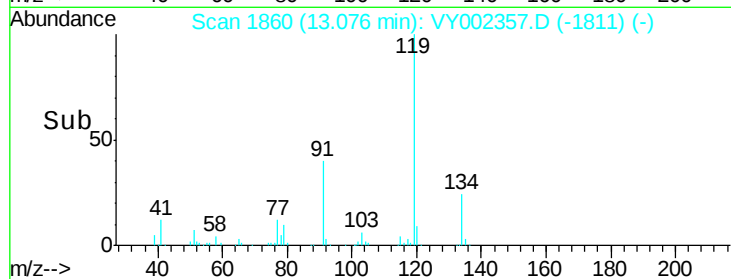
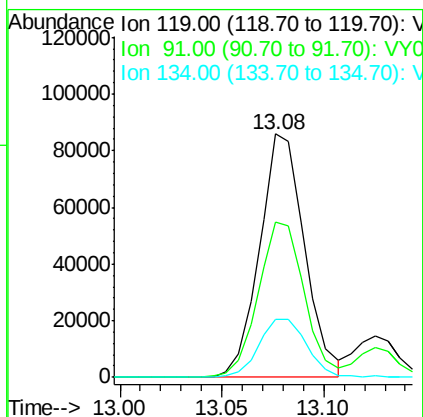
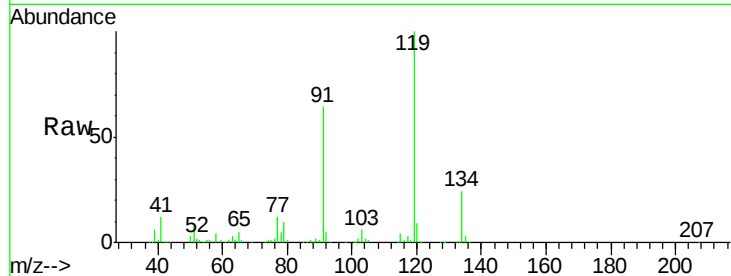
#83
tert-Butylbenzene
Concen: 21.011 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	131994		
91	65.3	32.4	97.0	
134	25.4	12.6	37.6	

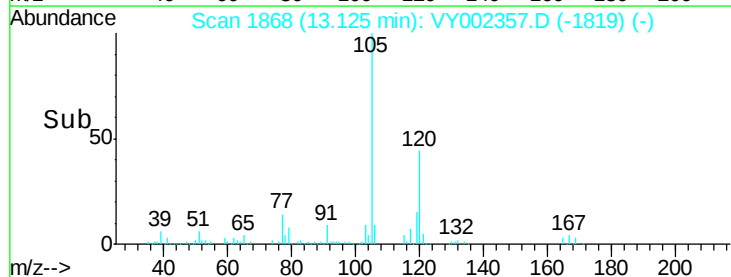
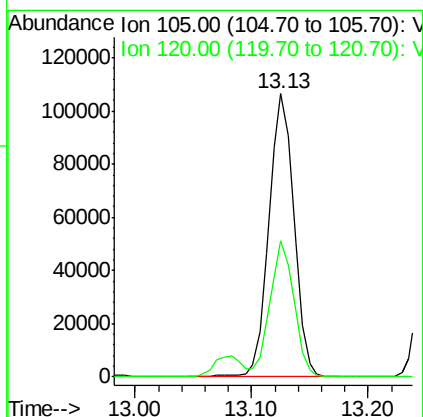
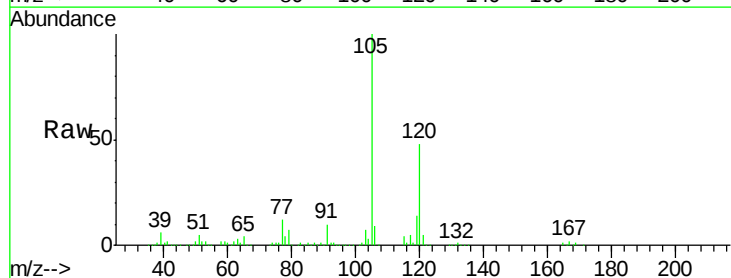
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#84
1,2,4-Trimethylbenzene
Concen: 21.060 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157723		
120	46.4	23.1	69.2	





#85

sec-Butylbenzene

Concen: 21.270 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0416SBS01

Tot Ion:105 Resp: 199048

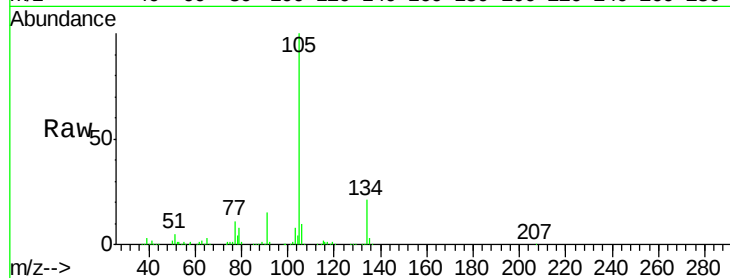
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.26

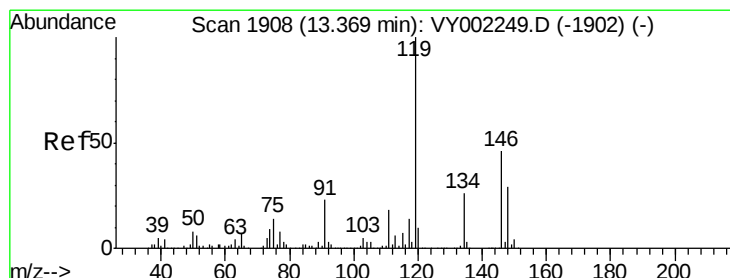
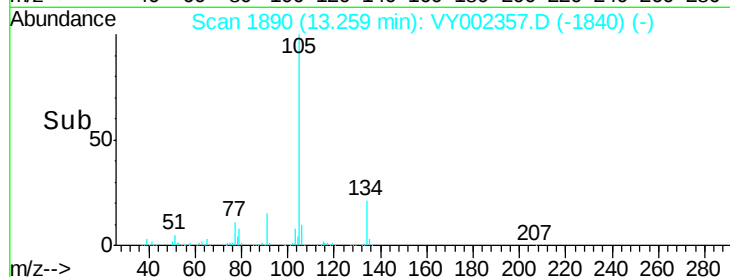
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.423 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002357.D

Acq: 16 Apr 2020 11:34

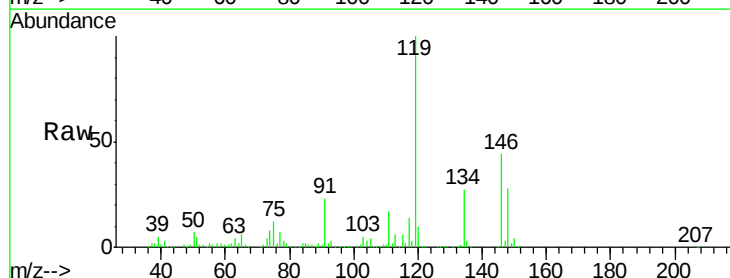
Tgt Ion:119 Resp: 172550

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.6 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

13.38

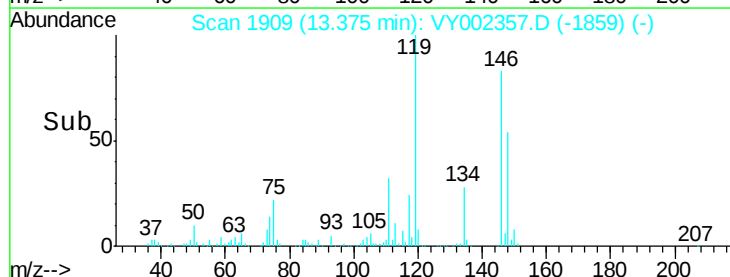
150000

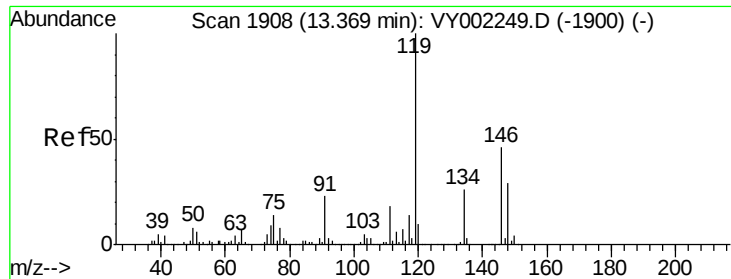
100000

50000

0

Time-->





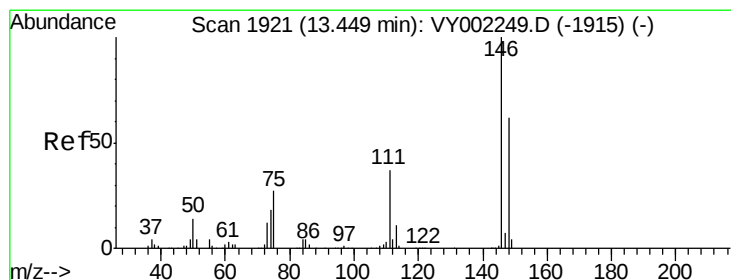
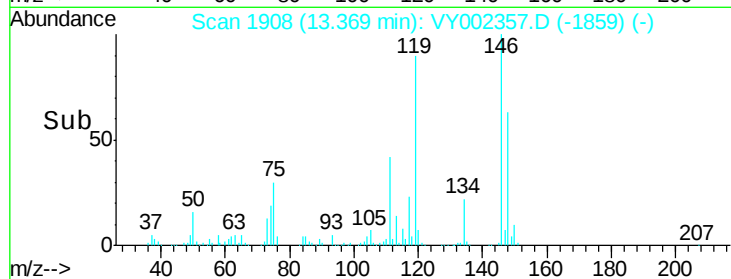
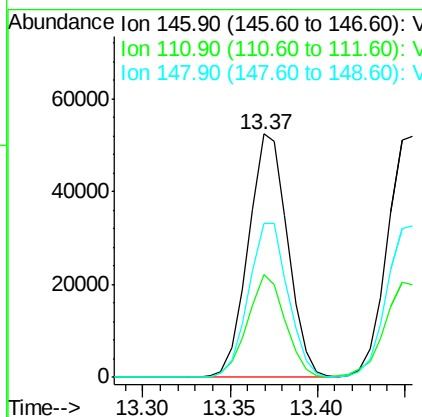
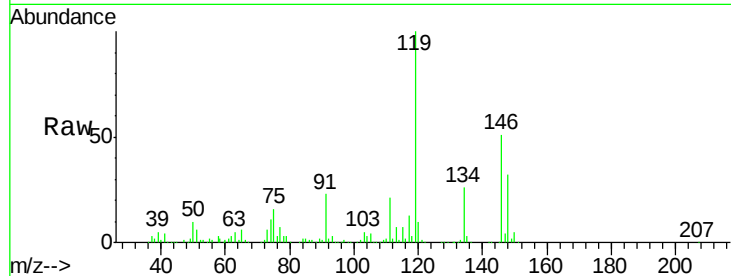
#87
 1,3-Dichlorobenzene
 Concen: 21.249 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	63.3	32.1	96.3

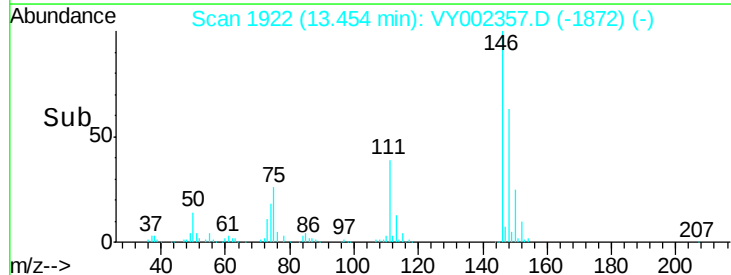
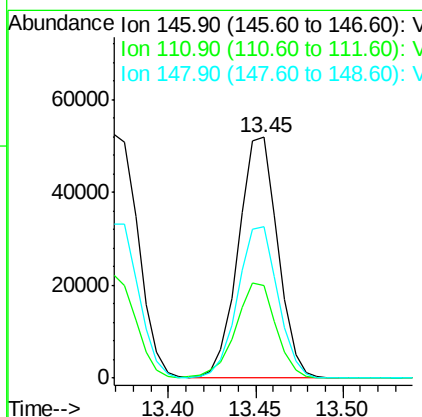
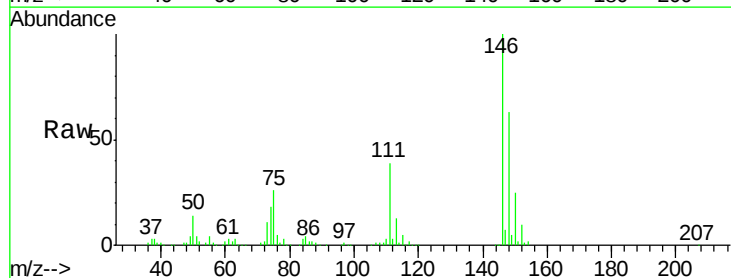
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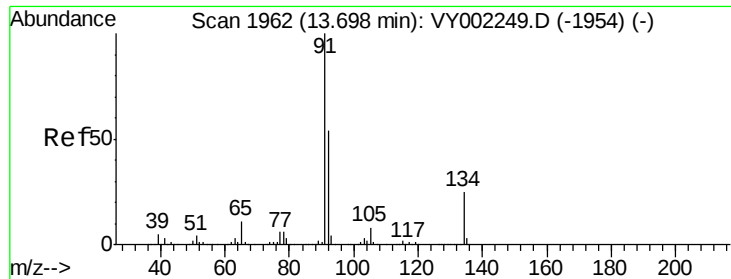
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#88
 1,4-Dichlorobenzene
 Concen: 20.699 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.8
148	64.2	32.0	96.0





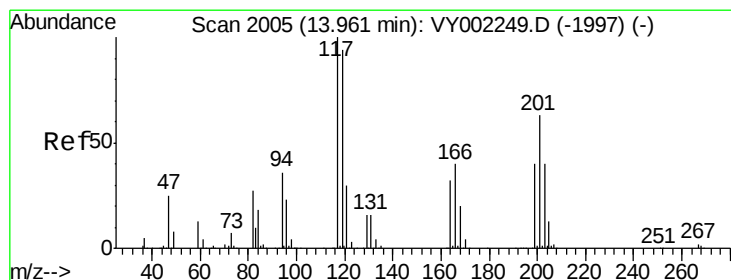
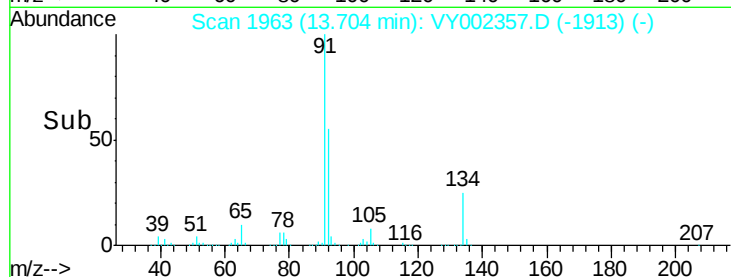
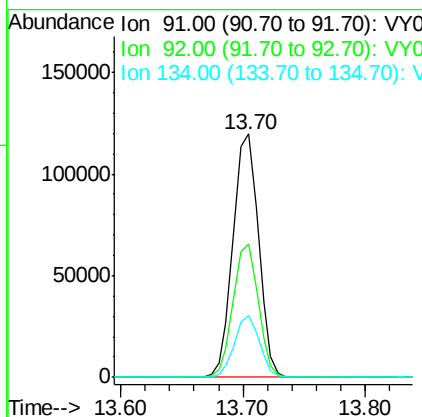
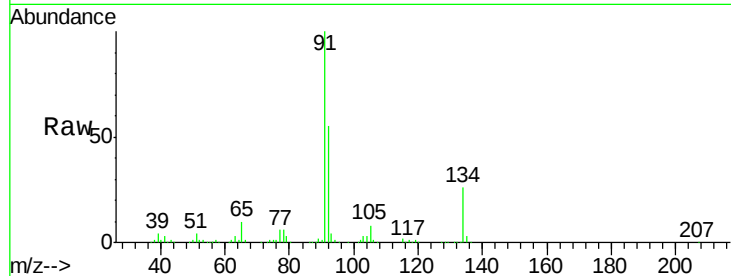
#89
n-Butylbenzene
Concen: 20.989 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	27.2	81.6	
134	24.9	12.7	38.0	

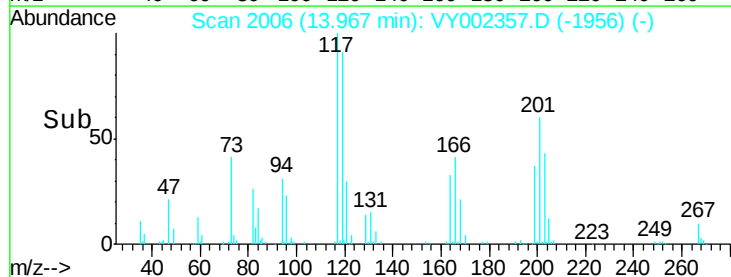
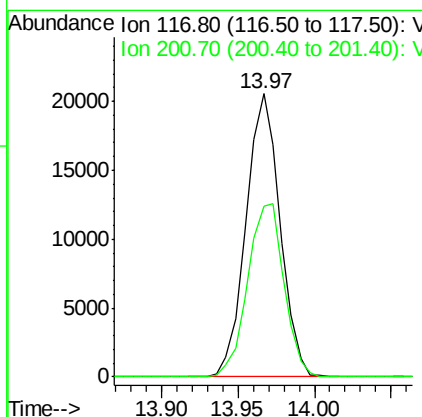
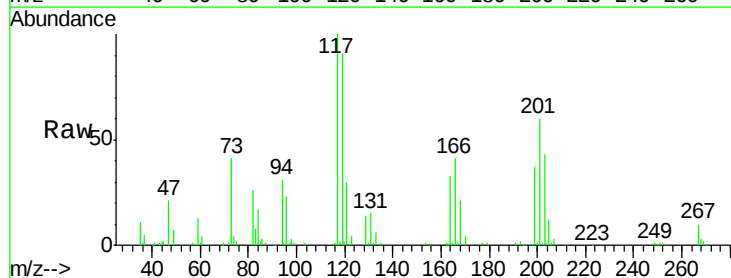
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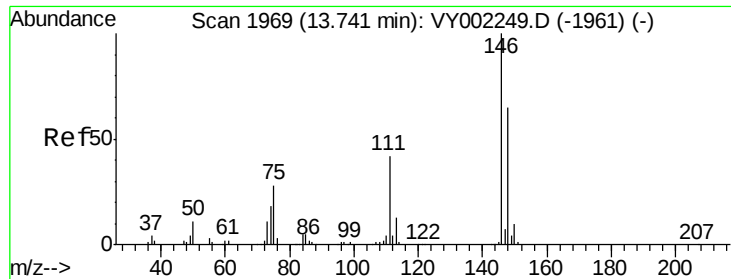
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#90
Hexachloroethane
Concen: 20.702 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.3	33.1	99.2	





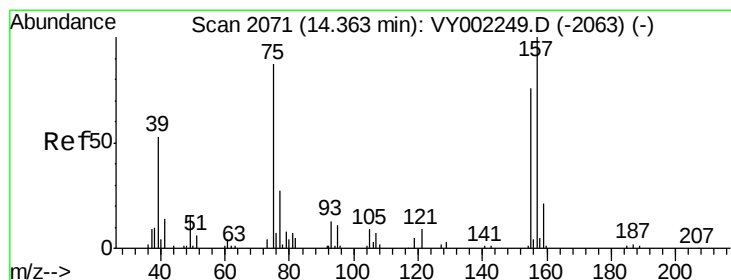
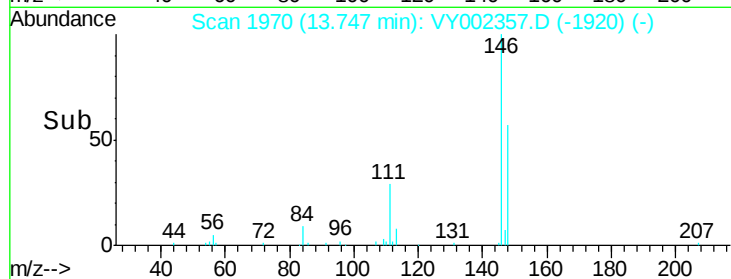
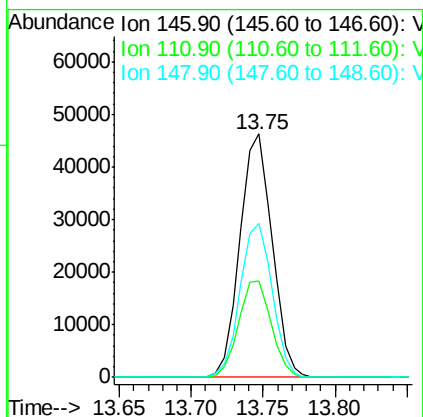
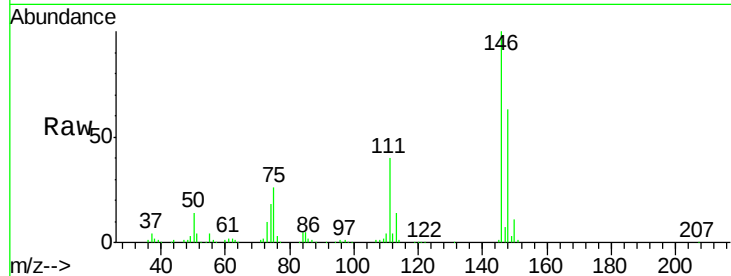
#91
 1,2-Dichlorobenzene
 Concen: 20.481 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.1
148	63.0	31.9	95.9

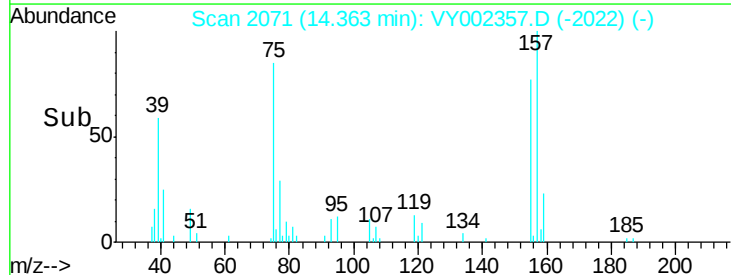
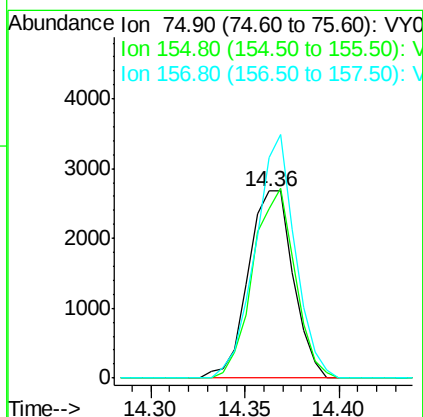
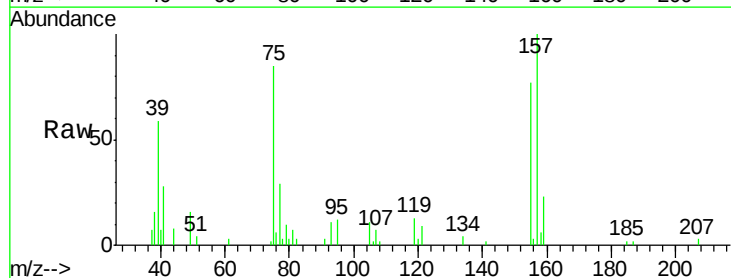
Manual Integrations
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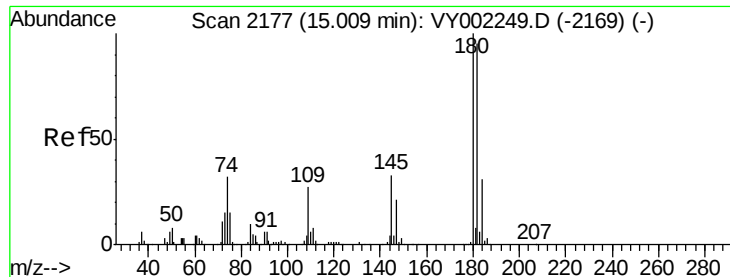
MMDadoda
 4/17/2020 11:52:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.702 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	43.6	130.8
157	115.2	56.0	168.2





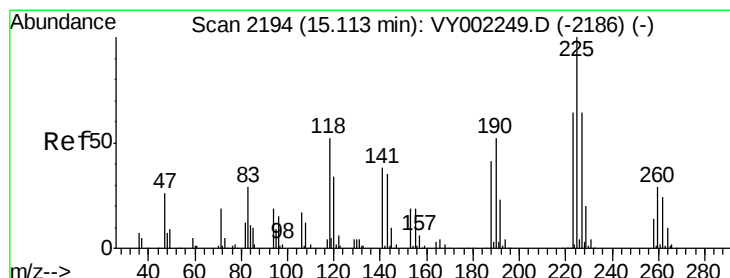
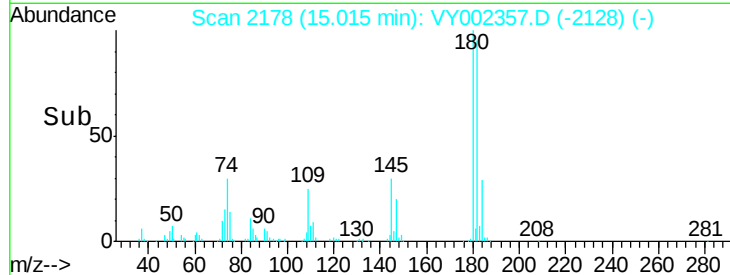
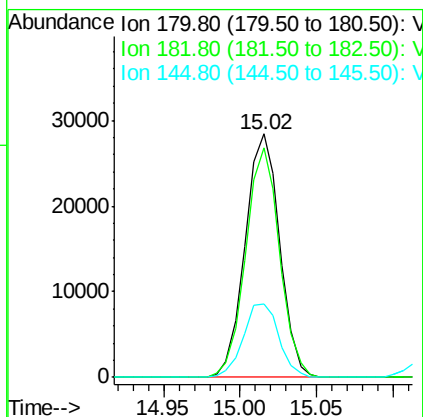
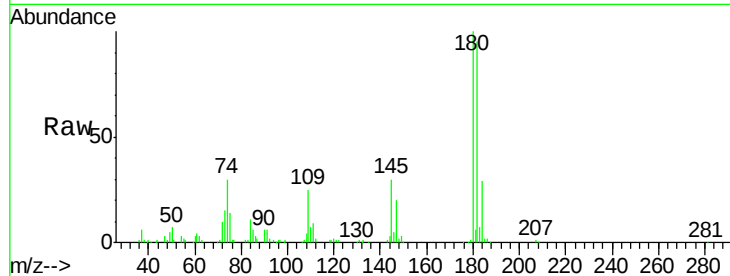
#93
 1,2,4-Trichlorobenzene
 Concen: 19.400 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.5	47.9	143.7	
145	31.2	16.0	48.0	

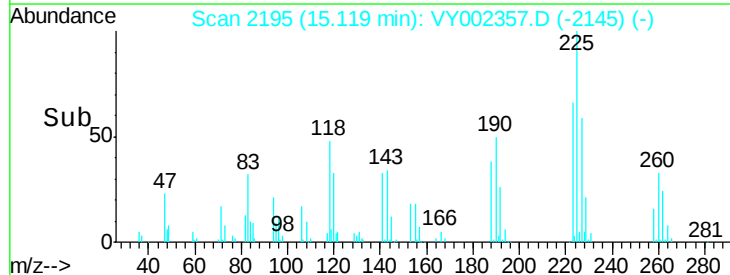
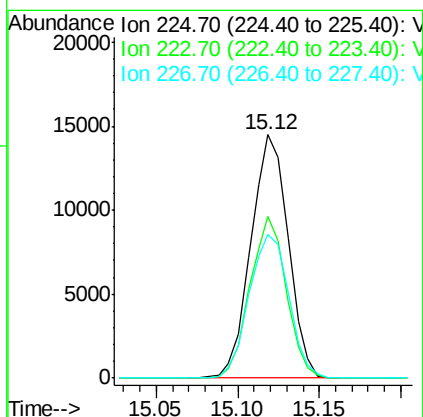
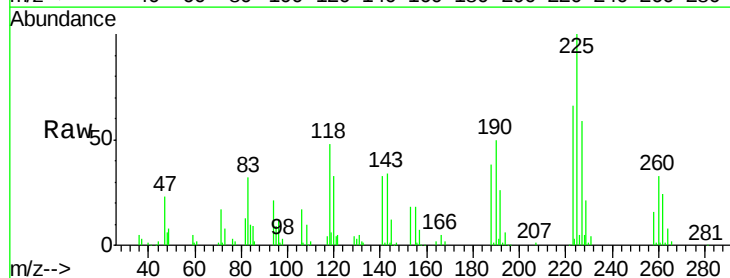
Manual Integrations
 APPROVED

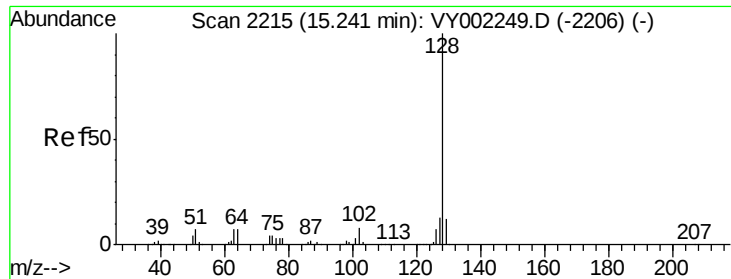
MMDadoda
 4/17/2020 11:52:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.993 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002357.D
 Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	31.0	93.0	
227	62.5	31.3	93.9	





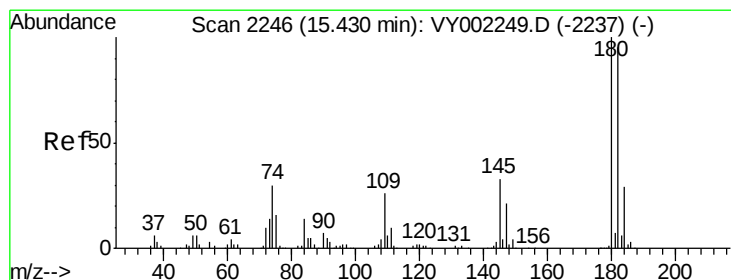
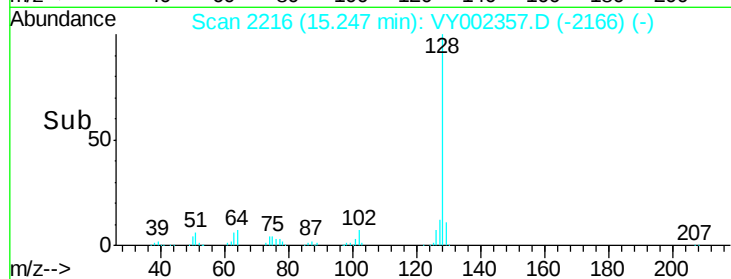
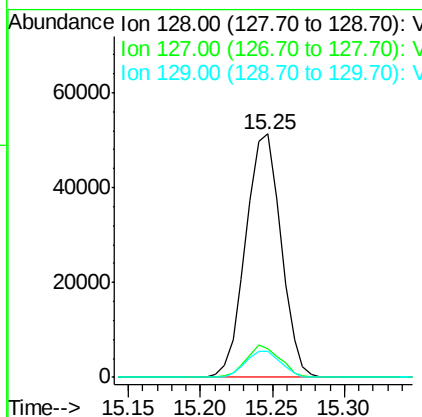
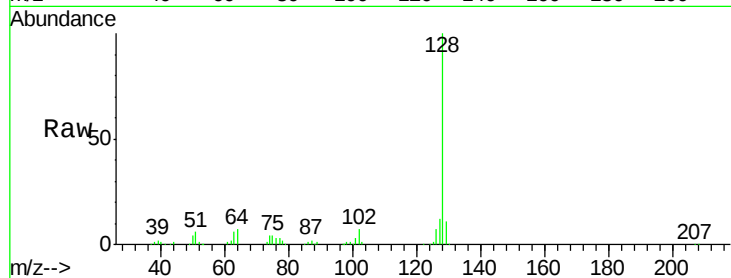
#95
Naphthalene
Concen: 17.299 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0416SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:52:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.106 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002357.D
Acq: 16 Apr 2020 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.3
145	33.7	16.7	50.1

