

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002463.D
 Acq On : 23 Apr 2020 16:40
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:47 PM

Quant Time: Apr 24 02:06:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	311147	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	465566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	420762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	208303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	135498	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	7.74	113	134152	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.19	98	508379	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.49	95	152661	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	44031	19.323	ug/l	96
3) Chloromethane	2.13	50	55759	19.232	ug/l	95
4) Vinyl Chloride	2.26	62	45497	21.844	ug/l	99
5) Bromomethane	2.65	94	28839	24.671	ug/l	86
6) Chloroethane	2.80	64	26866	25.998	ug/l	98
7) Trichlorofluoromethane	3.14	101	96775	25.624	ug/l	100
8) Diethyl Ether	3.55	74	34587	22.218	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	55968	21.528	ug/l	98
10) Methyl Iodide	4.11	142	80183	19.993	ug/l	98
11) Tert butyl alcohol	4.99	59	30792	120.300	ug/l	98
12) 1,1-Dichloroethene	3.89	96	56203	21.101	ug/l	98
13) Acrolein	3.75	56	22039	107.561	ug/l	99
14) Allyl chloride	4.50	41	82562	21.092	ug/l	95
15) Acrylonitrile	5.19	53	83410	111.984	ug/l	99
16) Acetone	3.97	43	63482	111.698	ug/l	97
17) Carbon Disulfide	4.21	76	165911	19.976	ug/l	99
18) Methyl Acetate	4.50	43	40037	21.892	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	153448	21.350	ug/l	100
20) Methylene Chloride	4.74	84	64267	19.806	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	60954	20.326	ug/l	96
22) Diisopropyl ether	6.14	45	167640	21.660	ug/l	94
23) Vinyl Acetate	6.09	43	541145	110.036	ug/l	96
24) 1,1-Dichloroethane	6.05	63	96753	20.648	ug/l	98
25) 2-Butanone	7.01	43	99370	114.127	ug/l	99
26) 2,2-Dichloropropane	7.00	77	90956	20.297	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	67265	20.623	ug/l	99
28) Bromochloromethane	7.36	49	39960	21.859	ug/l	100
29) Tetrahydrofuran	7.37	42	66033	114.388	ug/l	98
30) Chloroform	7.53	83	102357	20.516	ug/l	100
31) Cyclohexane	7.80	56	92495	19.740	ug/l	93
32) 1,1,1-Trichloroethane	7.72	97	95678	20.295	ug/l	99
36) 1,1-Dichloropropene	7.94	75	78629	19.697	ug/l	100
37) Ethyl Acetate	7.10	43	44600	22.239	ug/l	99
38) Carbon Tetrachloride	7.92	117	89830	19.568	ug/l	96

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MMDadoda
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Quant Time: Apr 24 02:06:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	103373	19.851	ug/l	98
40) Benzene	8.18	78	233461	20.234	ug/l	98
41) Methacrylonitrile	7.35	41	23987m	19.413	ug/l	
42) 1,2-Dichloroethane	8.25	62	69206	20.648	ug/l	99
43) Isopropyl Acetate	8.29	43	81783	21.803	ug/l	99
44) Trichloroethene	8.96	130	73660	20.417	ug/l	96
45) 1,2-Dichloropropane	9.23	63	54898	20.644	ug/l	98
46) Dibromomethane	9.32	93	32517	20.900	ug/l	99
47) Bromodichloromethane	9.51	83	80593	20.714	ug/l	97
48) Methyl methacrylate	9.31	41	37195	21.721	ug/l	97
49) 1,4-Dioxane	9.31	88	8675	437.520	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	216845	111.298	ug/l	99
52) Toluene	10.25	92	147635	19.877	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	85357	20.890	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	95267	20.371	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	48589	21.122	ug/l	97
56) Ethyl methacrylate	10.52	69	66365	21.114	ug/l	99
57) 1,3-Dichloropropane	10.80	76	81240	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	165478	108.868	ug/l	100
59) 2-Hexanone	10.85	43	151486	111.547	ug/l	99
60) Dibromochloromethane	11.00	129	62306	20.670	ug/l	100
61) 1,2-Dibromoethane	11.10	107	47912	21.004	ug/l	99
64) Tetrachloroethene	10.73	164	77683	20.145	ug/l	99
65) Chlorobenzene	11.53	112	166032	20.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	63230	20.775	ug/l	98
67) Ethyl Benzene	11.60	91	293717	20.317	ug/l	100
68) m/p-Xylenes	11.71	106	225917	40.594	ug/l	99
69) o-Xylene	12.04	106	107093	20.780	ug/l	99
70) Styrene	12.05	104	185887	20.714	ug/l	100
71) Bromoform	12.22	173	38109	19.876	ug/l #	97
73) Isopropylbenzene	12.34	105	228199	16.387	ug/l	99
74) N-amyl acetate	12.16	43	74582	22.601	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	42754	19.990	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31882m	18.059	ug/l	
77) Bromobenzene	12.62	156	66654	19.084	ug/l	100
78) n-propylbenzene	12.68	91	305584	18.899	ug/l	100
79) 2-Chlorotoluene	12.77	91	164175	18.556	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	229536	19.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18030	18.898	ug/l	96
82) 4-Chlorotoluene	12.86	91	182776	19.988	ug/l	100
83) tert-Butylbenzene	13.08	119	207268	20.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	233391	20.581	ug/l	99
85) sec-Butylbenzene	13.27	105	234387	17.055	ug/l	99
86) p-Isopropyltoluene	13.38	119	259913	19.831	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	128279	19.858	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	134186	20.890	ug/l	99
89) n-Butylbenzene	13.70	91	256183	21.188	ug/l	100
90) Hexachloroethane	13.97	117	49283	20.804	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	127669	22.949	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9548	22.486	ug/l	96

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBSD01

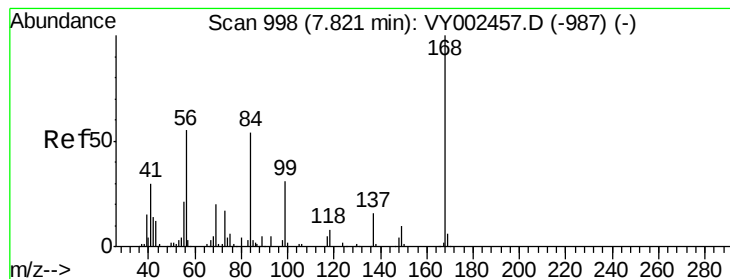
Manual Integrations
APPROVED

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4/24/2020 1:33:47 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	96411	21.958	ug/l	98
94) Hexachlorobutadiene	15.12	225	57547	21.717	ug/l	99
95) Naphthalene	15.25	128	188400	23.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	82874	22.253	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:168 Resp: 311147

Ion Ratio Lower Upper

168 100

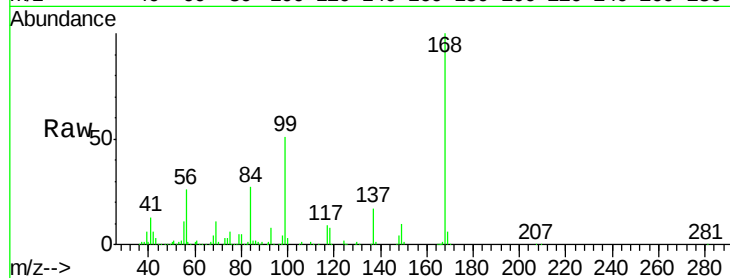
99 51.4 39.7 59.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

150000

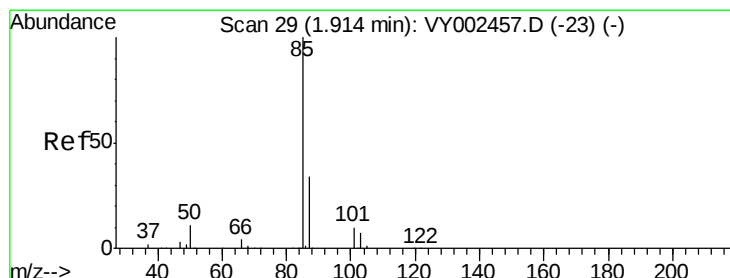
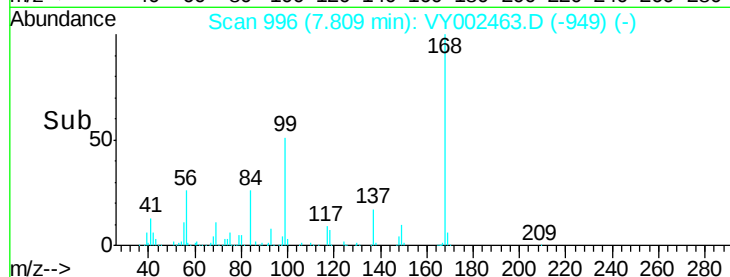
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.323 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY002463.D

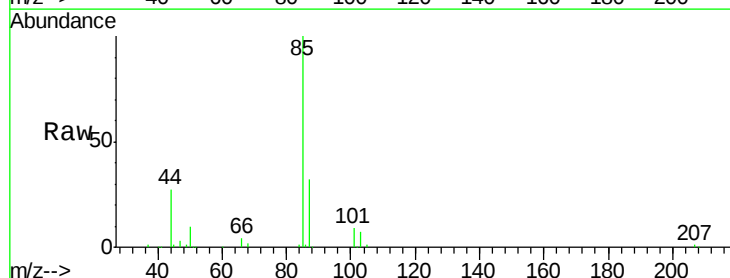
Acq: 23 Apr 2020 16:40

Tgt Ion: 85 Resp: 44031

Ion Ratio Lower Upper

85 100

87 32.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

30000

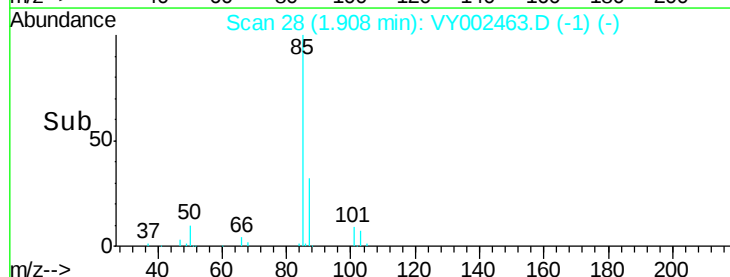
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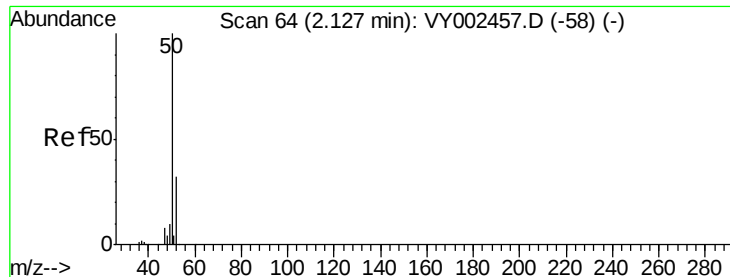
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.232 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 50 Resp: 55759

Ion Ratio Lower Upper

50 100

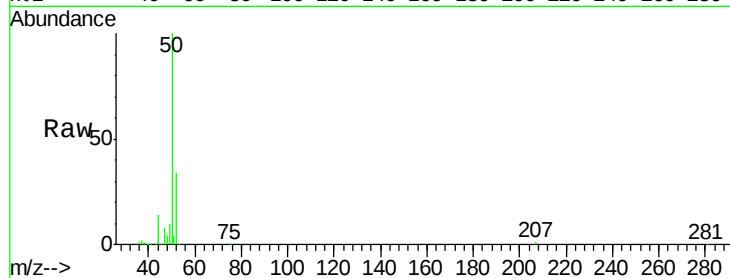
52 34.1 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

40000

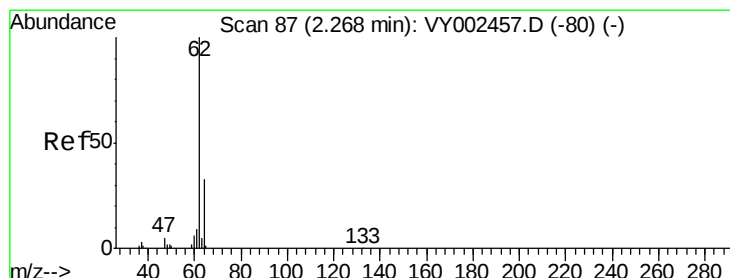
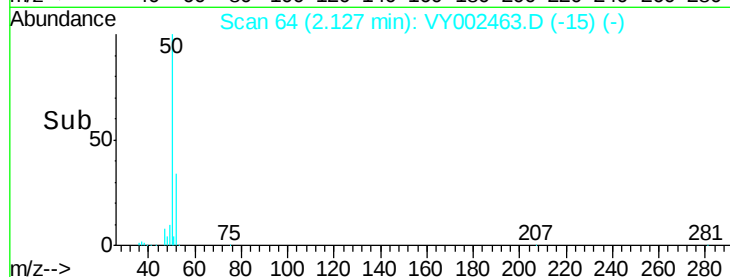
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 21.844 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002463.D

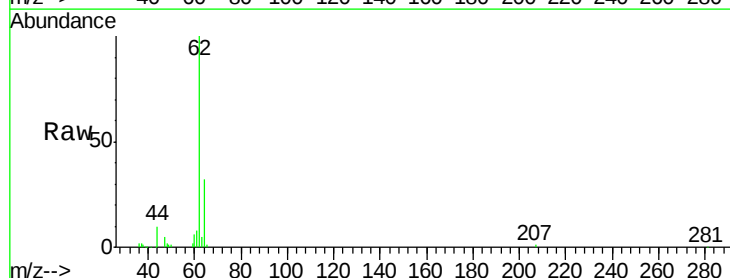
Acq: 23 Apr 2020 16:40

Tgt Ion: 62 Resp: 45497

Ion Ratio Lower Upper

62 100

64 32.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

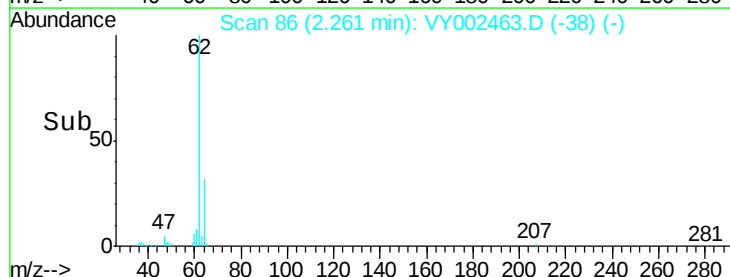
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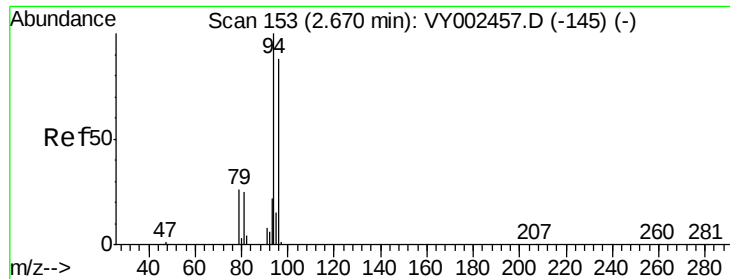
20000

10000

0

Time-->





#5

Bromomethane

Concen: 24.671 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.02 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 94 Resp: 28839

Ion Ratio Lower Upper

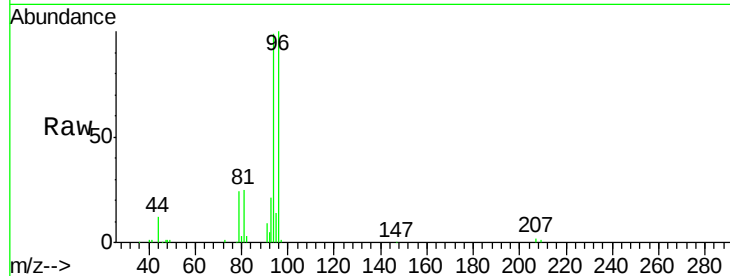
94 100

96 101.3 70.2 105.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

10000

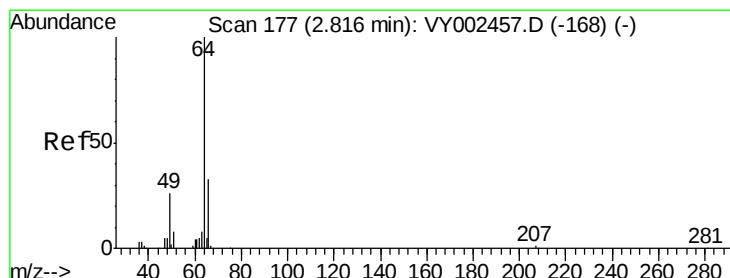
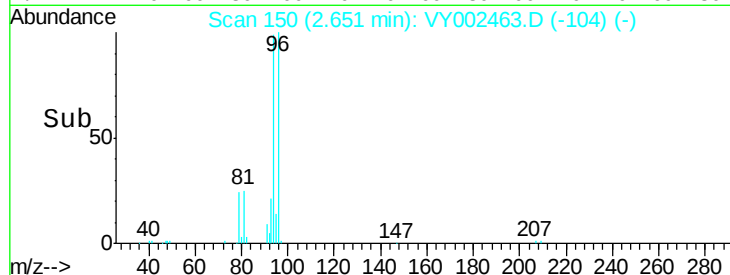
5000

0

2.65

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 25.998 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002463.D

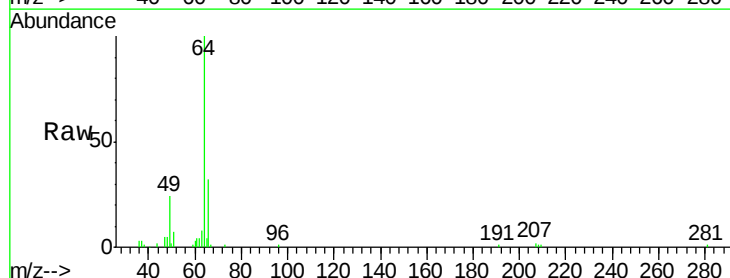
Acq: 23 Apr 2020 16:40

Tgt Ion: 64 Resp: 26866

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

10000

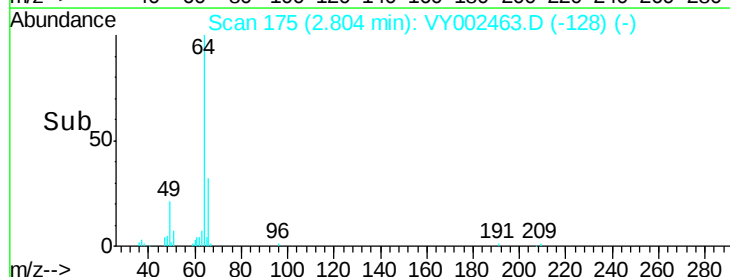
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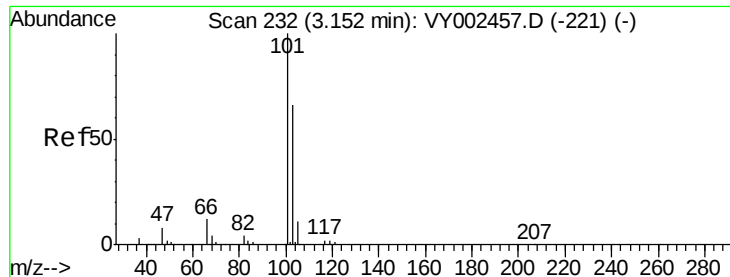
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2.80

2.70 2.80 2.90

Time-->





#7

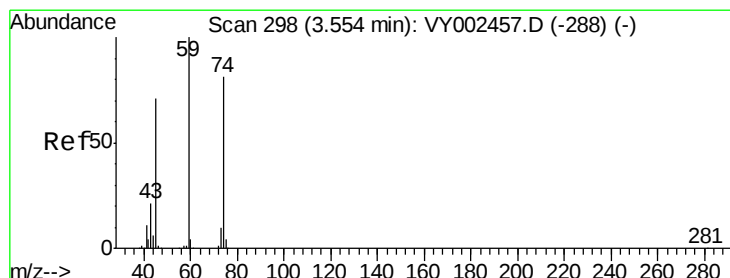
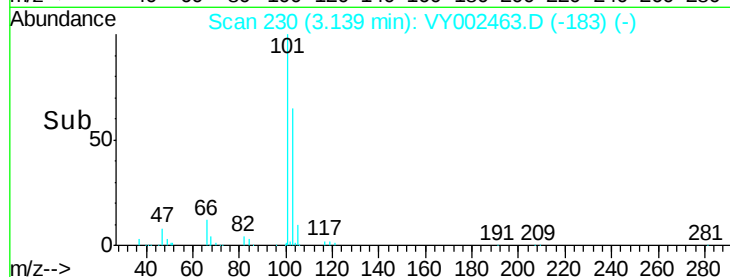
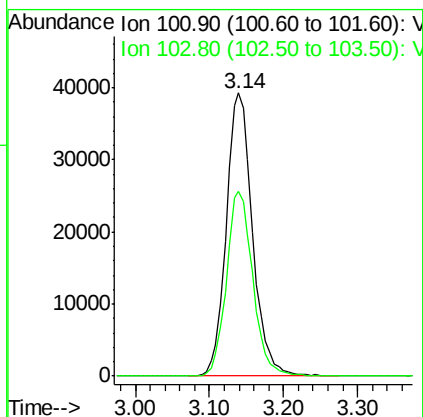
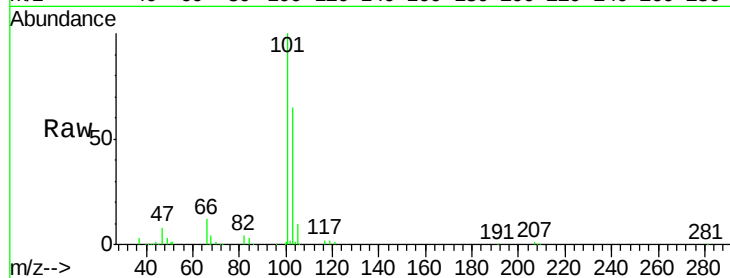
Trichlorofluoromethane
Concen: 25.624 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
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VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	96775		
103	65.4	52.5	78.7	

Manual Integrations
APPROVED

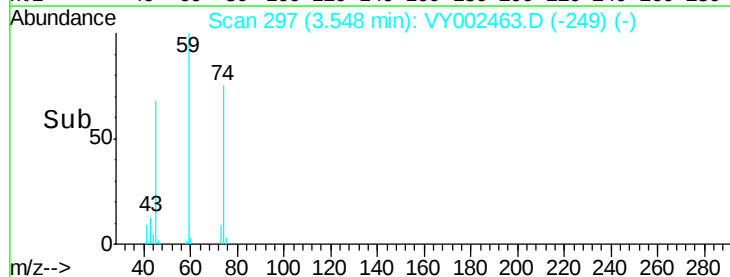
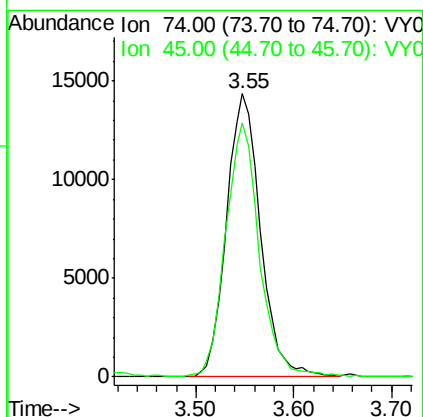
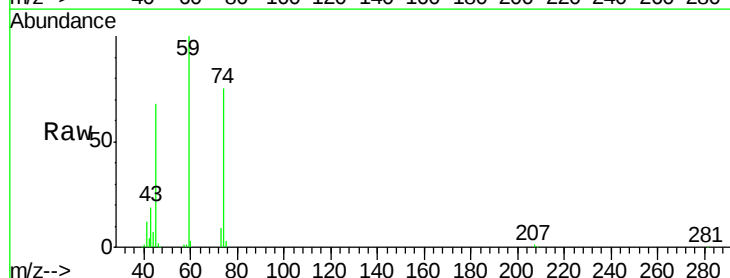
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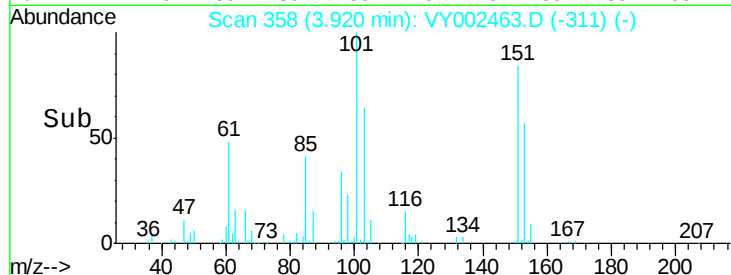
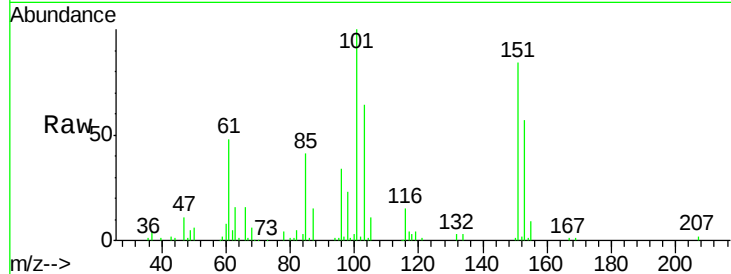
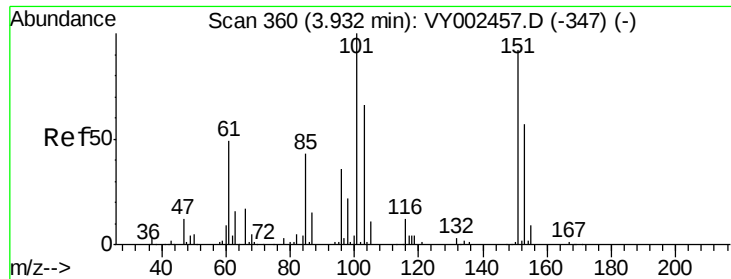


#8

Diethyl Ether
Concen: 22.218 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34587		
45	89.4	44.0	132.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.528 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002463.D

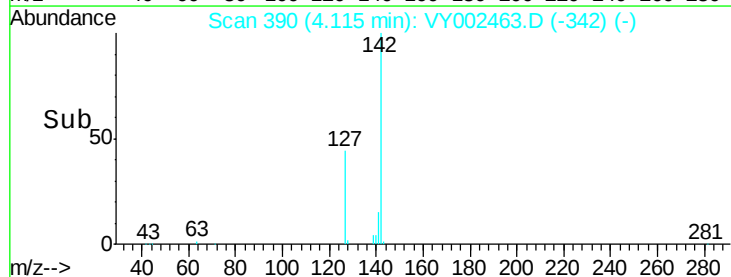
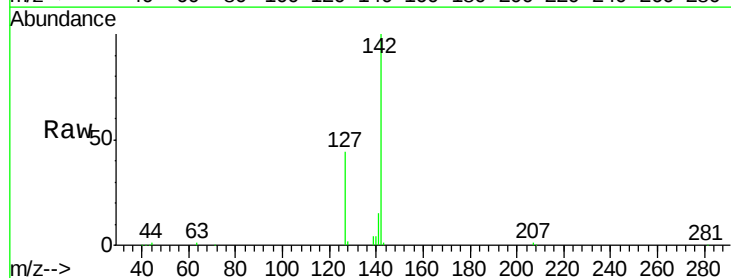
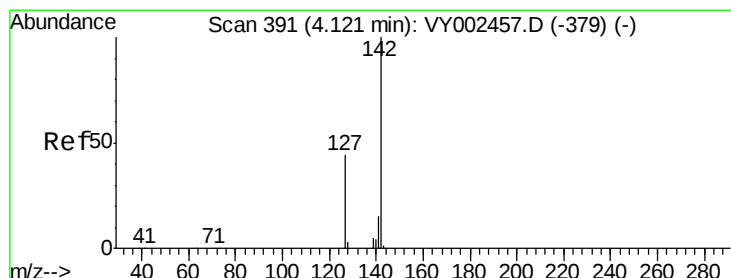
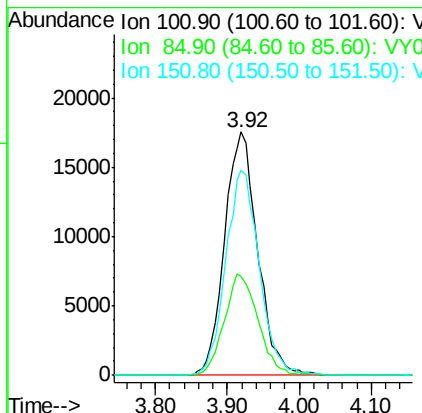
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.1	51.1
151	85.6	70.3	105.5

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#10

Methyl Iodide

Concen: 19.993 ug/l

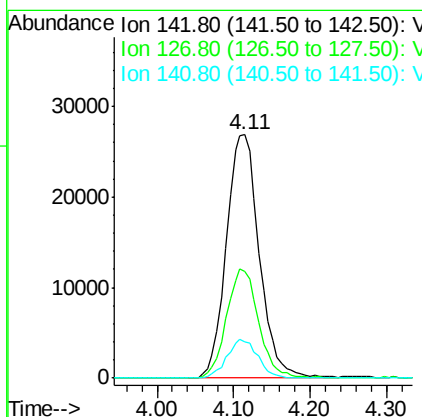
RT: 4.11 min Scan# 390

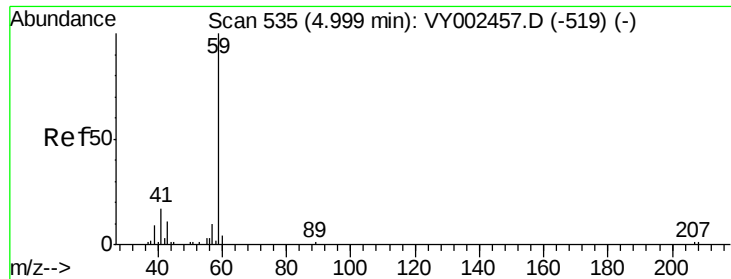
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.8	53.8
141	15.0	11.6	17.4





#11

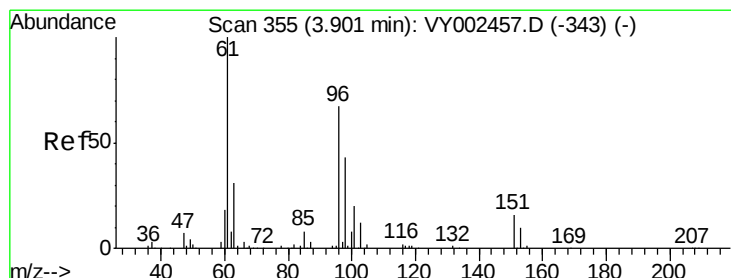
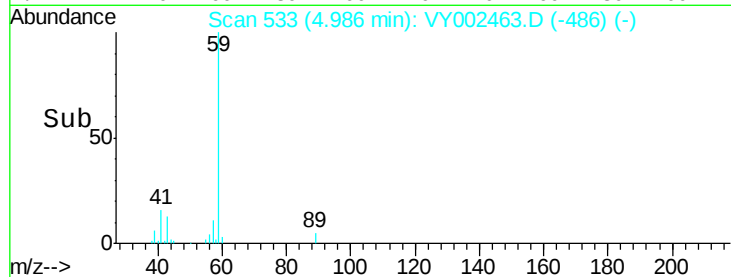
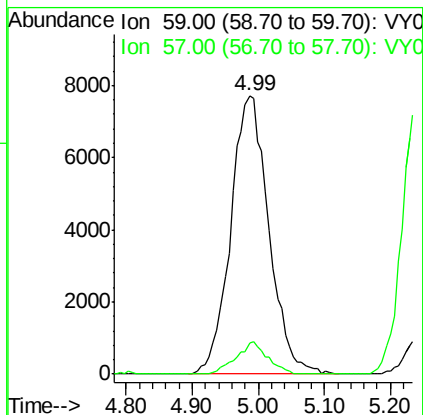
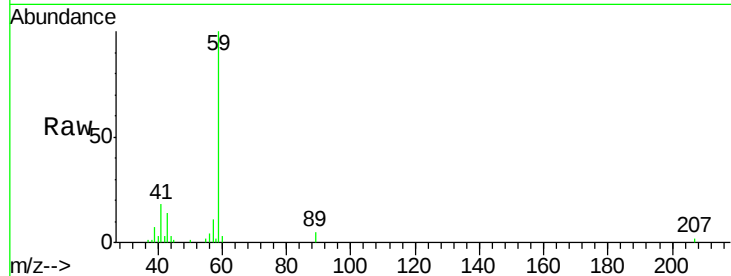
Tert butyl alcohol
Concen: 120.300 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6

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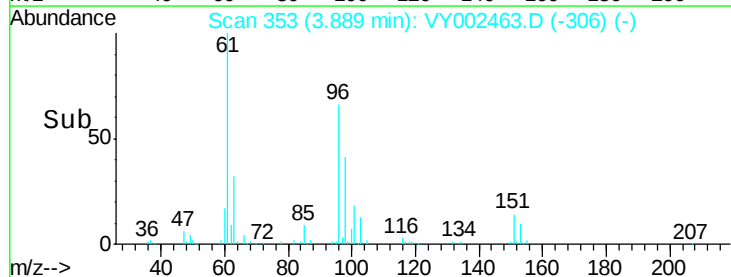
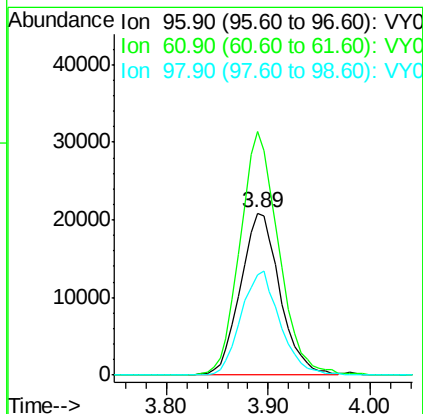
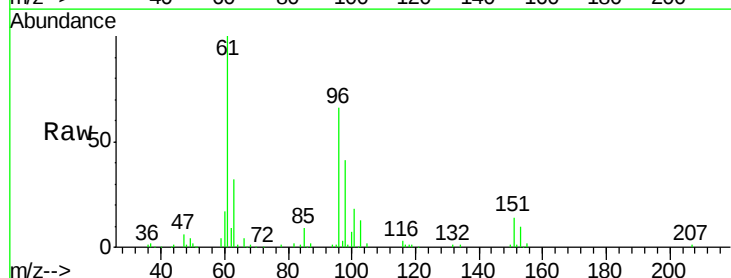
MMDadoda
4/24/2020 1:33:47 PM

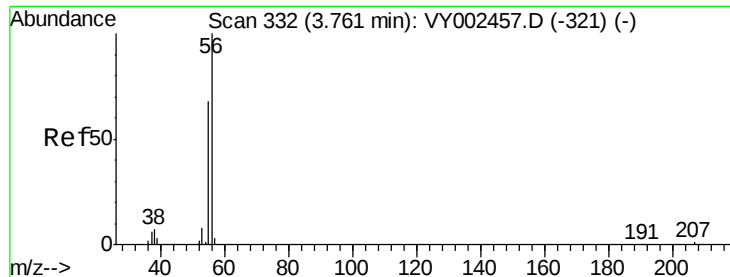


#12

1,1-Dichloroethene
Concen: 21.101 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	119.0	178.6
98	61.7	51.4	77.2





#13

Acrolein

Concen: 107.561 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 56 Resp: 22039

Ion Ratio Lower Upper

56 100

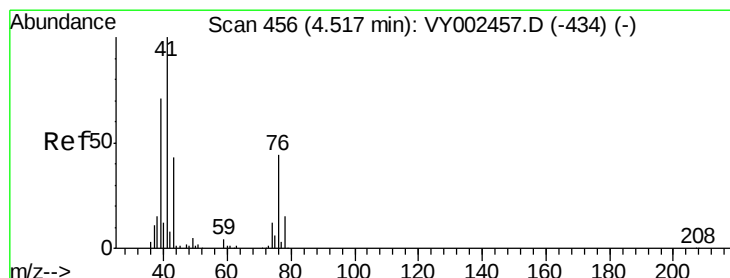
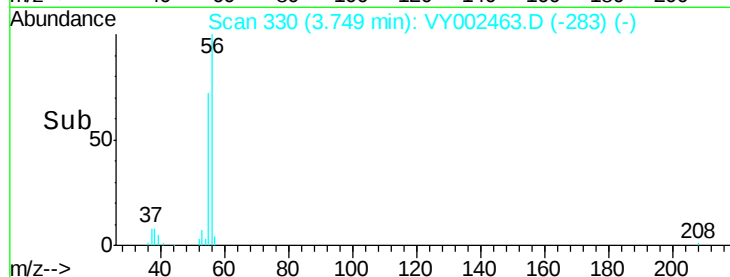
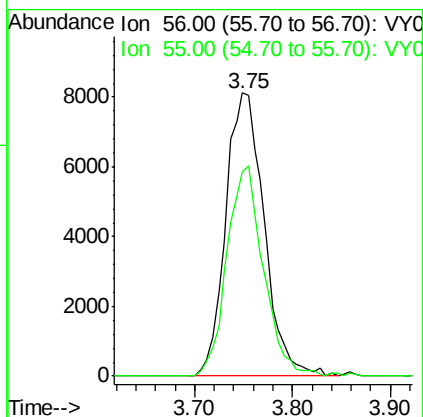
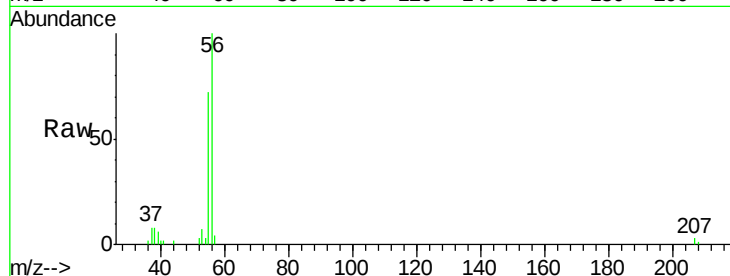
55 70.7 55.8 83.6

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#14

Allyl chloride

Concen: 21.092 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

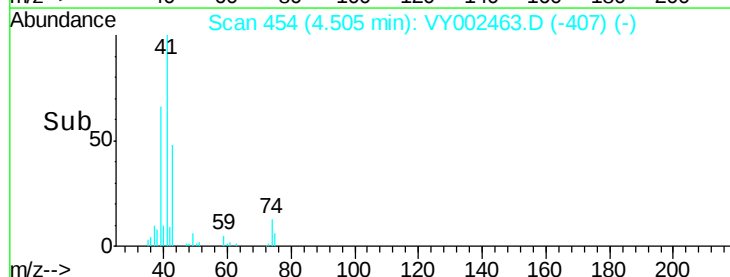
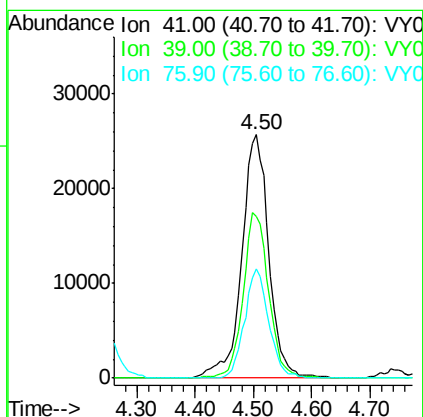
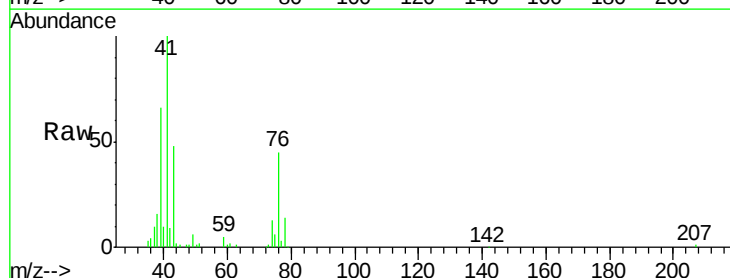
Tgt Ion: 41 Resp: 82562

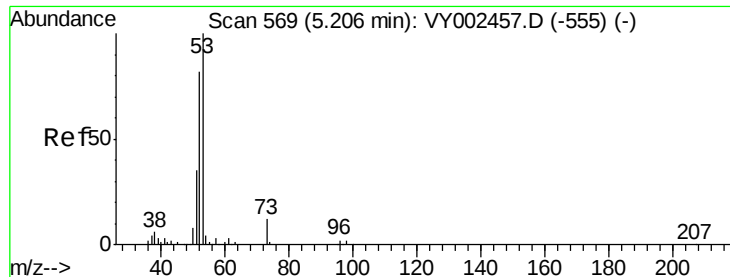
Ion Ratio Lower Upper

41 100

39 64.2 55.1 82.7

76 40.3 34.3 51.5





#15

Acrylonitrile

Concen: 111.984 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

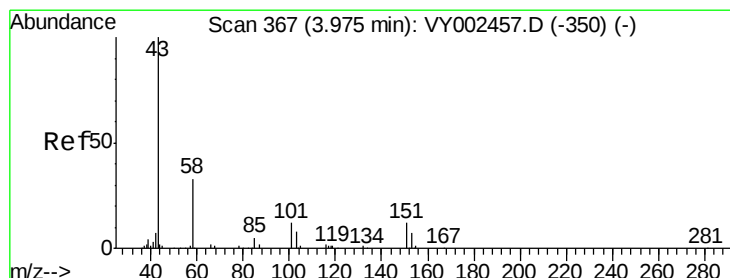
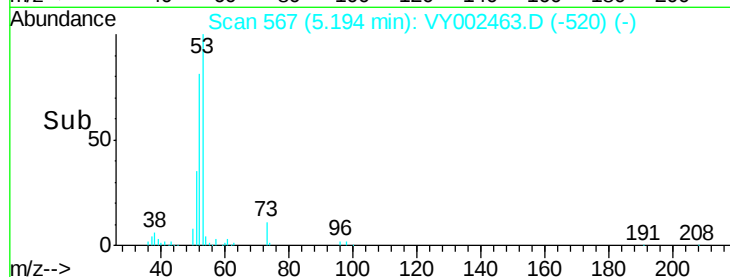
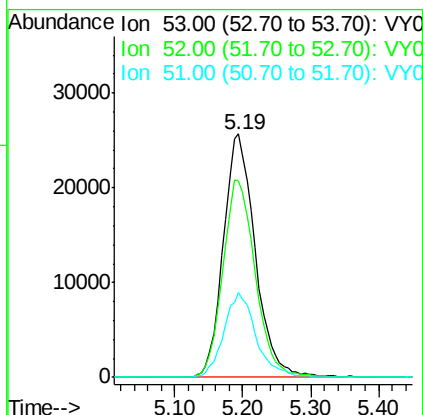
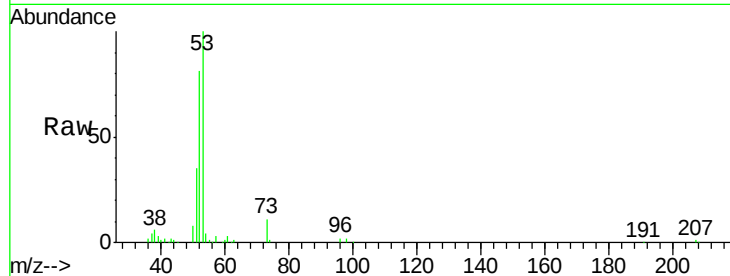
ClientSampleId :

VY0423SBS01

Tot Ion:	53	Resp:	83410
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 111.698 ug/l

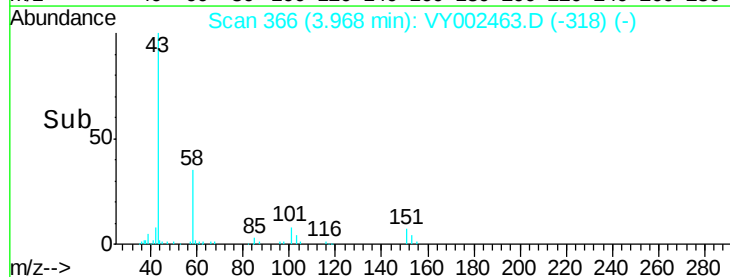
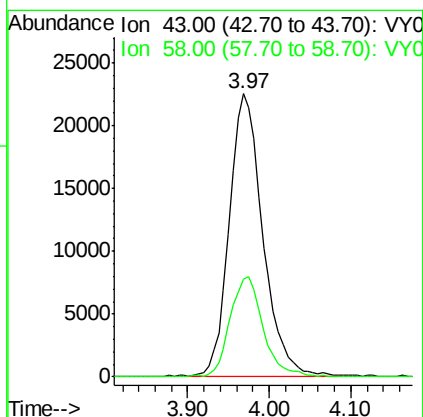
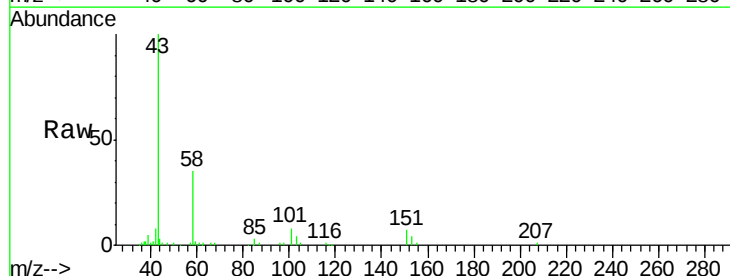
RT: 3.97 min Scan# 366

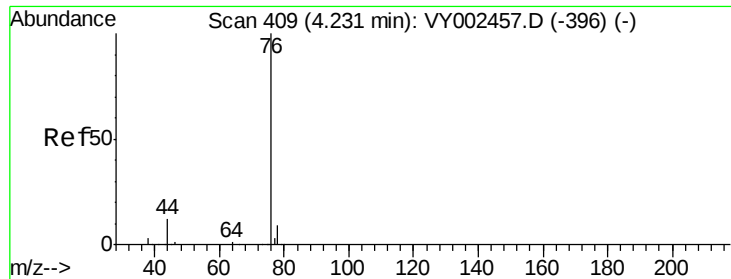
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	43	Resp:	63482
Ion	Ratio	Lower	Upper
43	100		
58	34.7	26.4	39.6





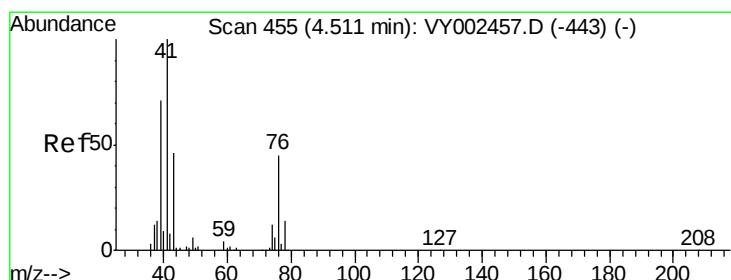
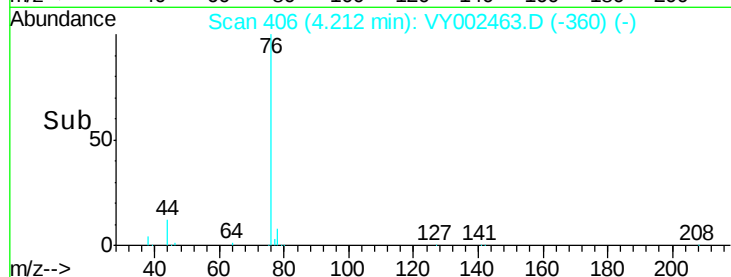
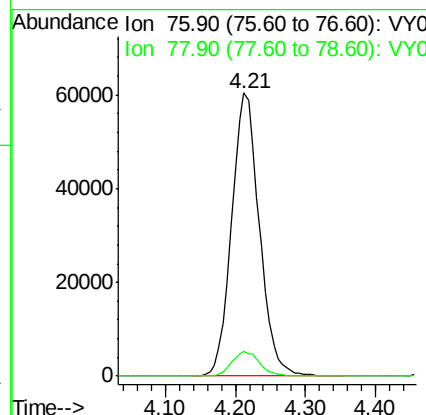
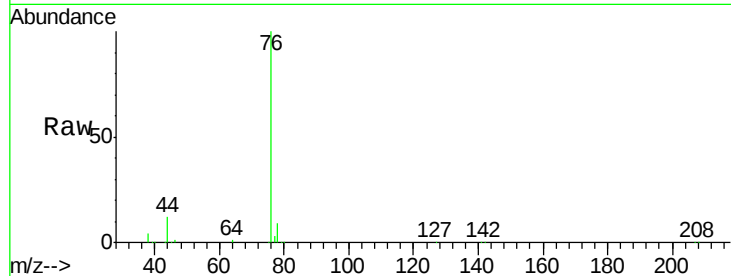
#17
Carbon Disulfide
Concen: 19.976 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.02 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

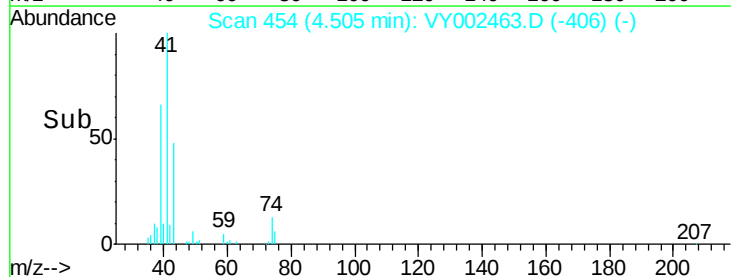
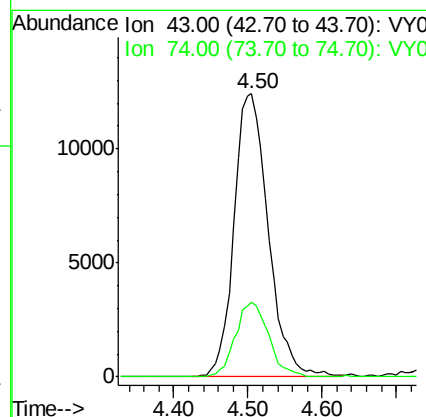
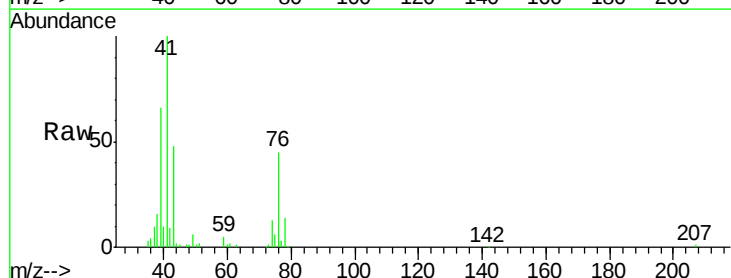
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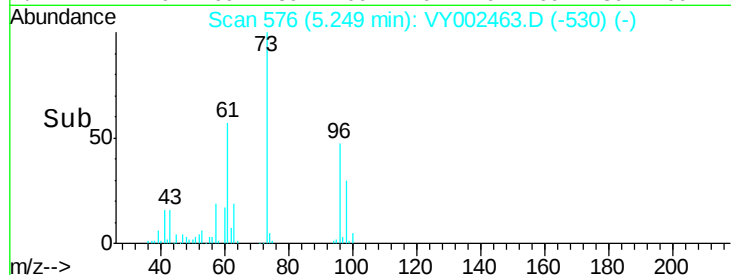
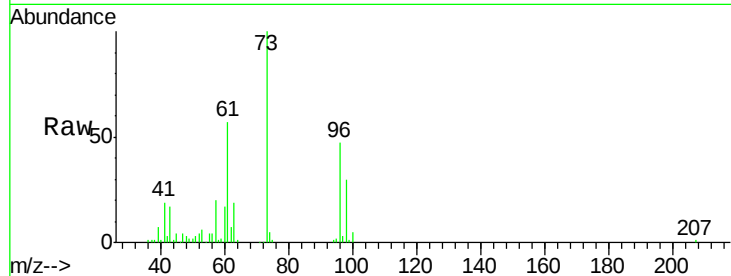
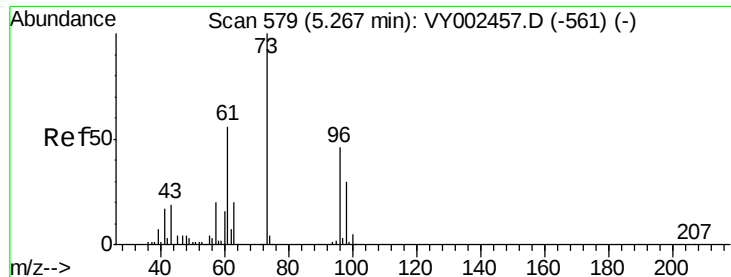
MMDadoda
4/24/2020 1:33:47 PM



#18
Methyl Acetate
Concen: 21.892 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	22.0	33.0





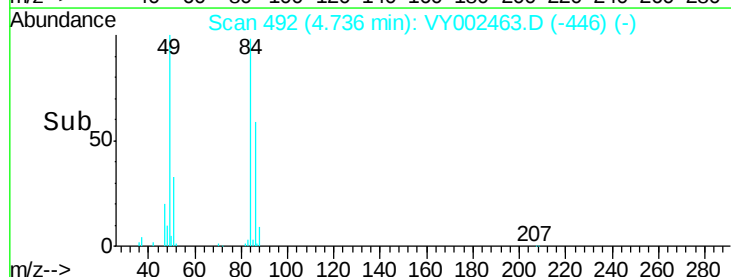
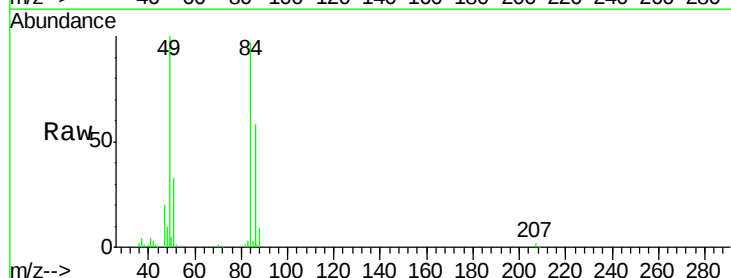
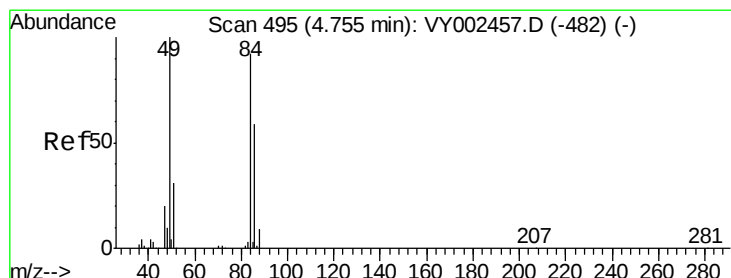
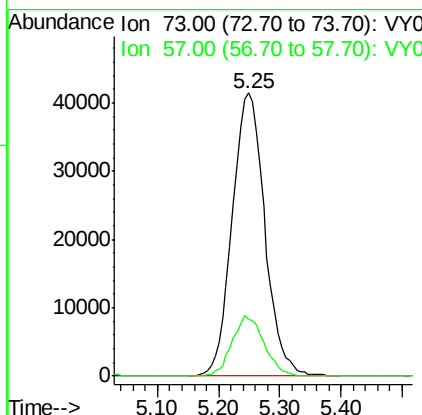
#19
Methvl tert-butvl Ether
Concen: 21.350 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.02 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tot Ion: 73 Resp: 153448
Ion Ratio Lower Upper
73 100
57 20.1 16.0 24.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

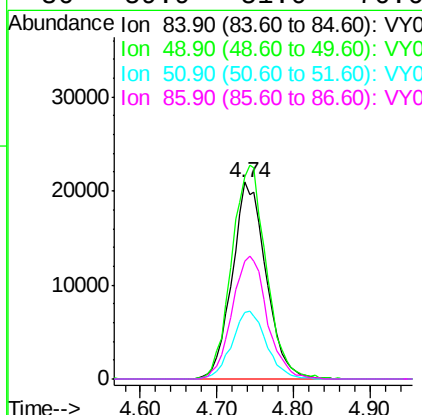
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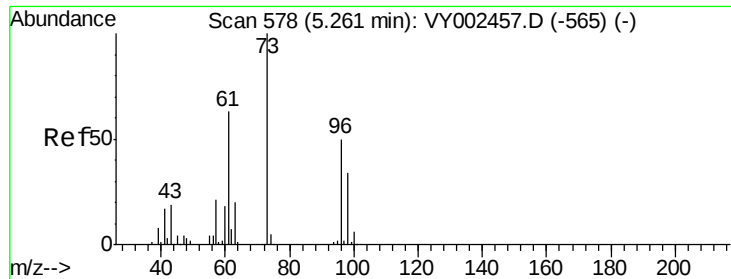
MMDadoda
4/24/2020 1:33:47 PM



#20
Methylene Chloride
Concen: 19.806 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion: 84 Resp: 64267
Ion Ratio Lower Upper
84 100
49 102.6 86.9 130.3
51 33.9 27.3 40.9
86 59.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.326 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

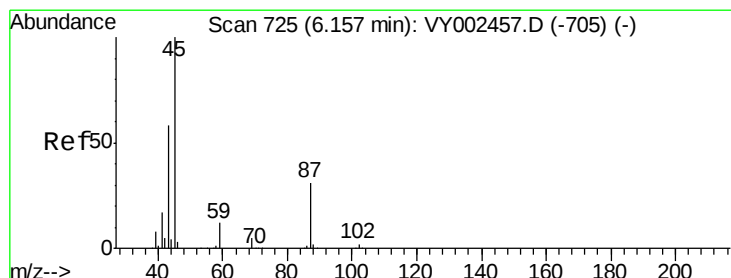
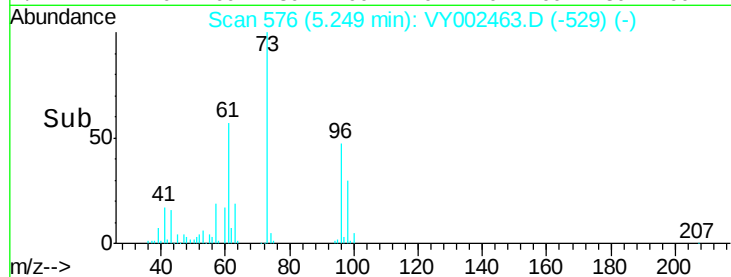
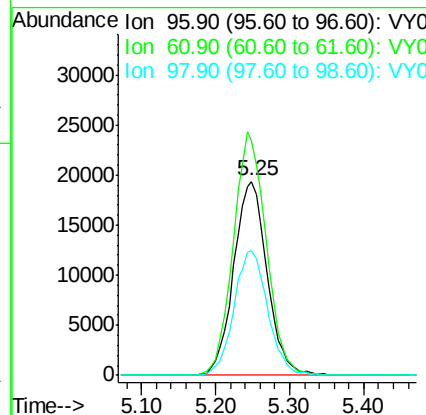
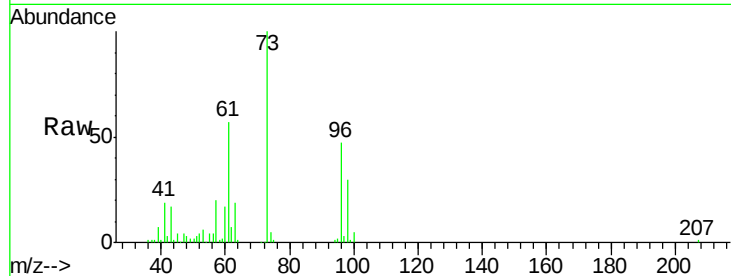
ClientSampleId :

VY0423SBS01

Tot Ion:	96	Resp:	60954
Ion	Ratio	Lower	Upper
96	100		
61	121.3	101.4	152.0
98	64.2	53.6	80.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.660 ug/l

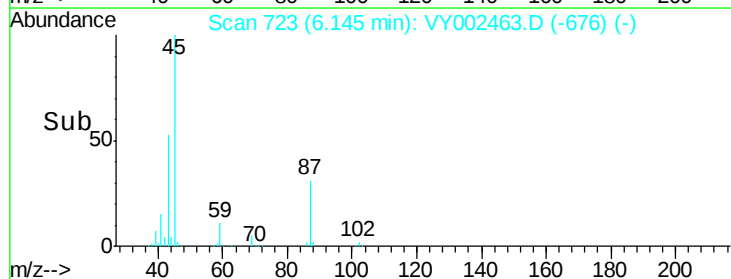
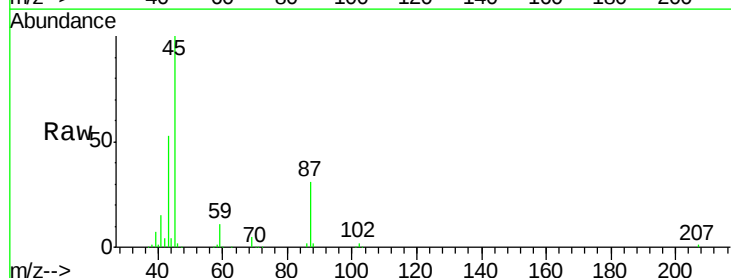
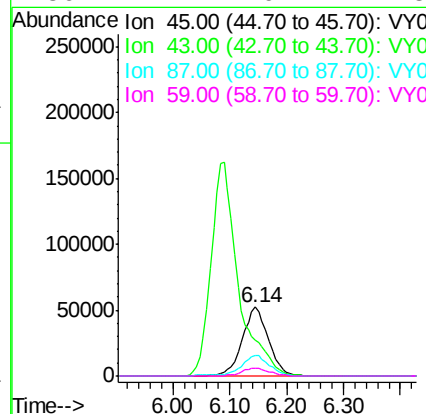
RT: 6.14 min Scan# 723

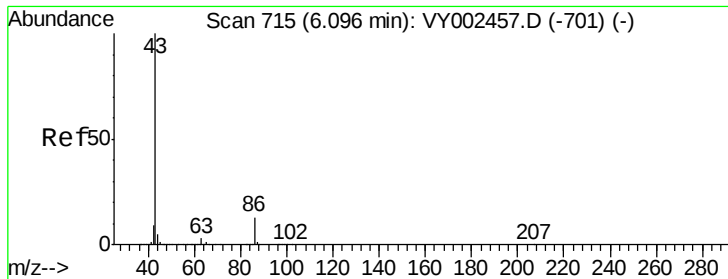
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	45	Resp:	167640
Ion	Ratio	Lower	Upper
45	100		
43	52.5	47.1	70.7
87	30.6	25.0	37.6
59	11.1	9.7	14.5





#23

Vinyl Acetate

Concen: 110.036 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 43 Resp: 541145

Ion Ratio Lower Upper

43 100

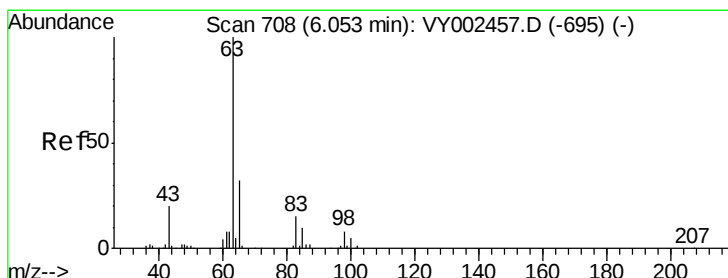
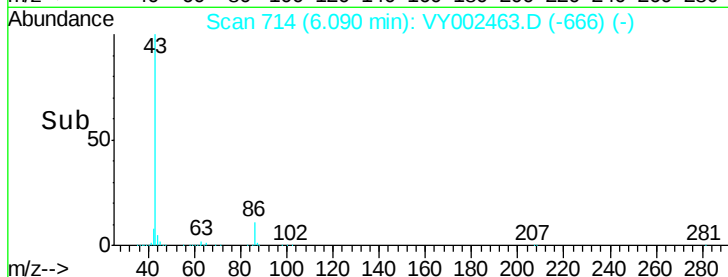
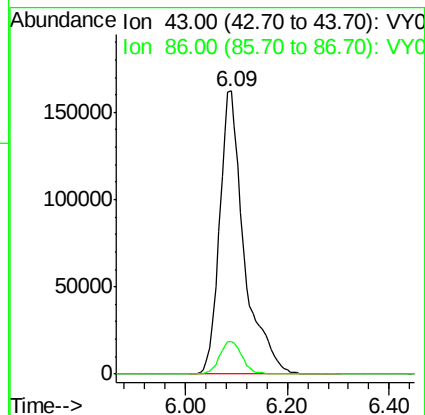
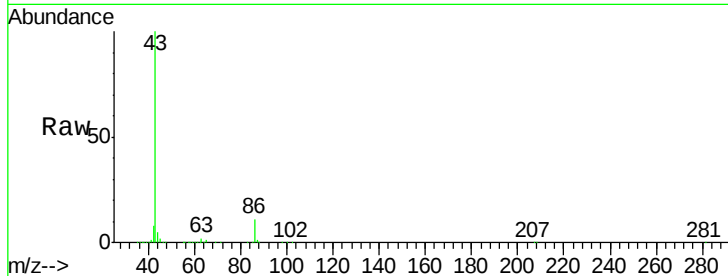
86 11.4 10.2 15.4

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#24

1,1-Dichloroethane

Concen: 20.648 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

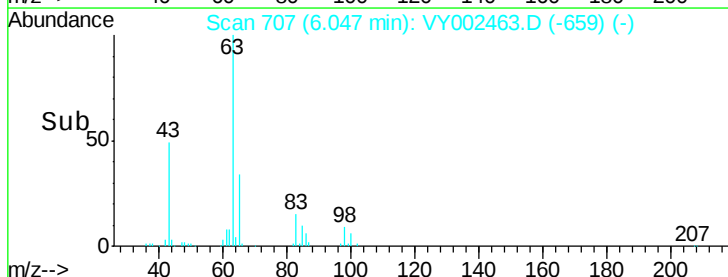
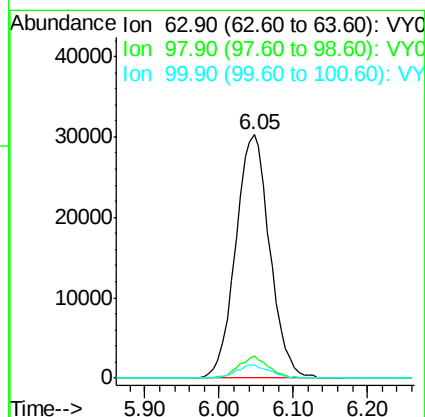
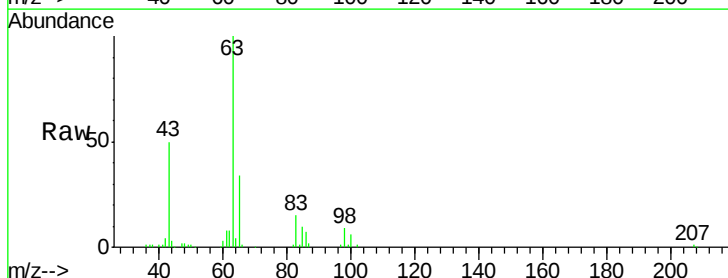
Tgt Ion: 63 Resp: 96753

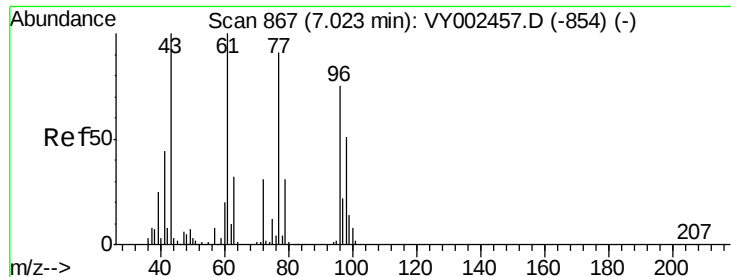
Ion Ratio Lower Upper

63 100

98 9.0 4.1 12.3

100 5.6 2.5 7.4





#25

2-Butanone

Concen: 114.127 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 43 Resp: 99370

Ion Ratio Lower Upper

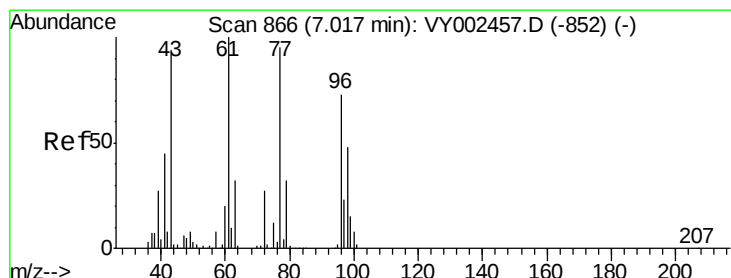
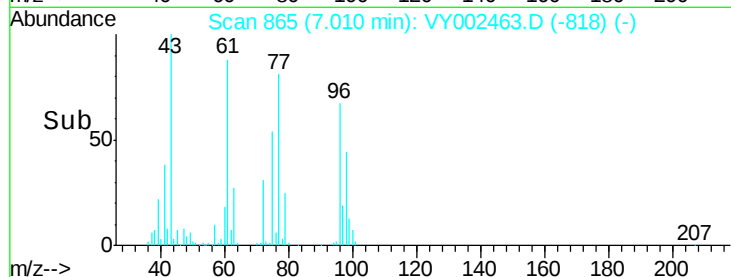
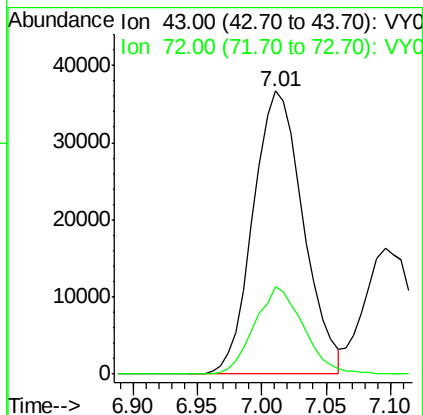
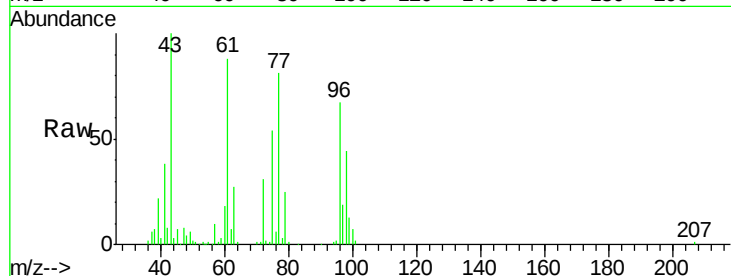
43 100

72 30.7 24.8 37.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.297 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002463.D

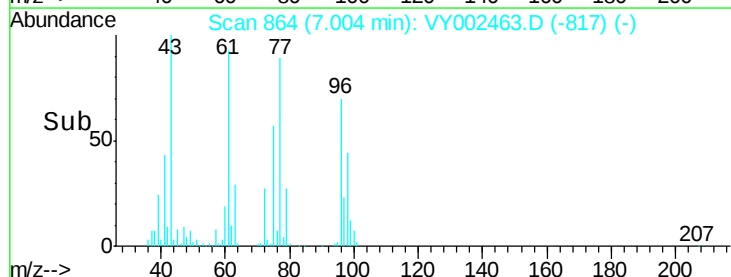
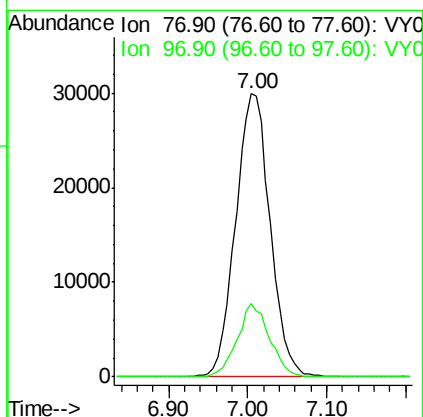
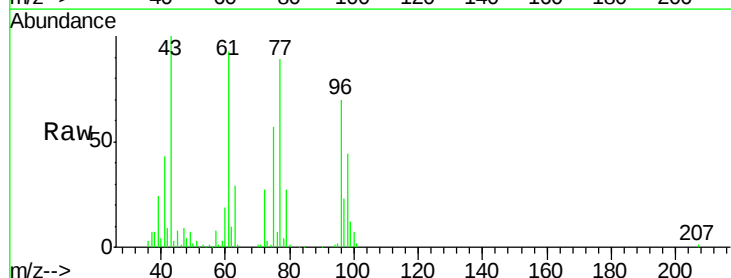
Acq: 23 Apr 2020 16:40

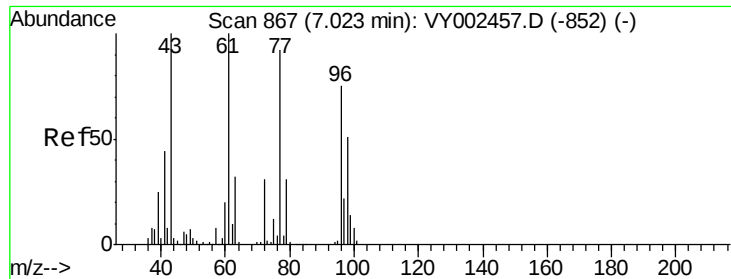
Tgt Ion: 77 Resp: 90956

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0





#27

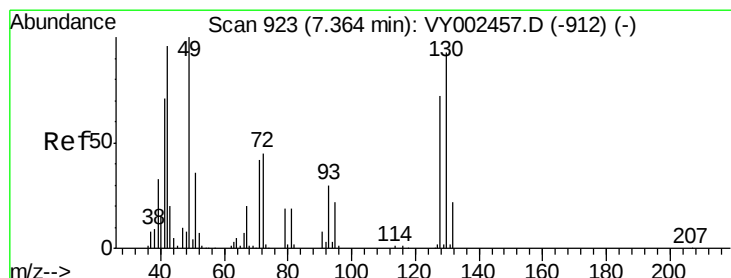
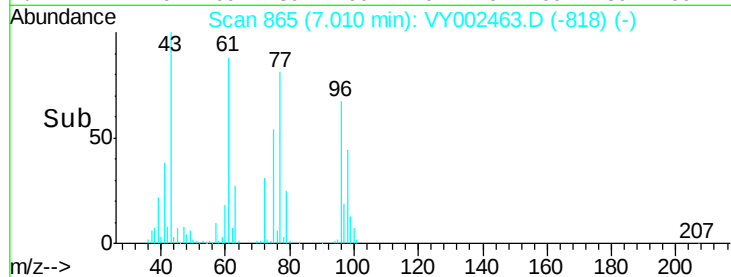
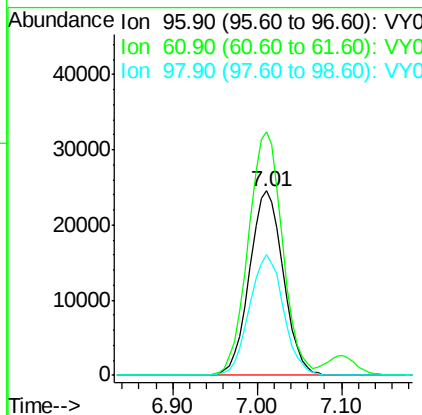
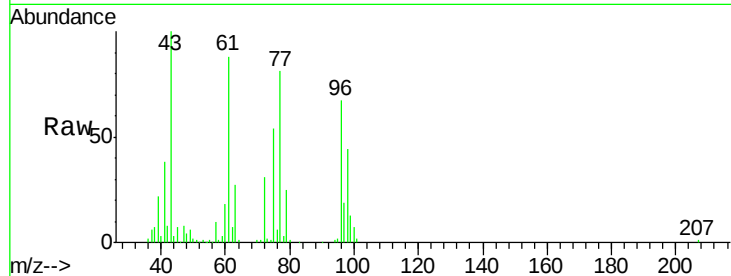
cis-1,2-Dichloroethene
Concen: 20.623 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	262.6
98	65.6	0.0	131.0

Manual Integrations
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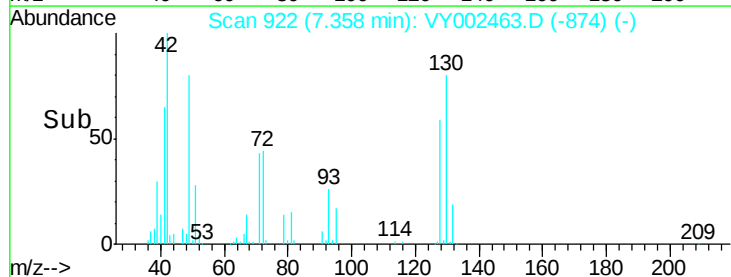
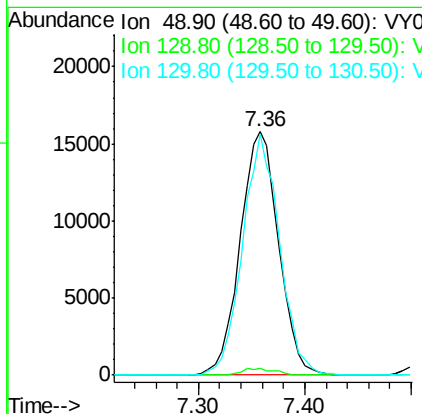
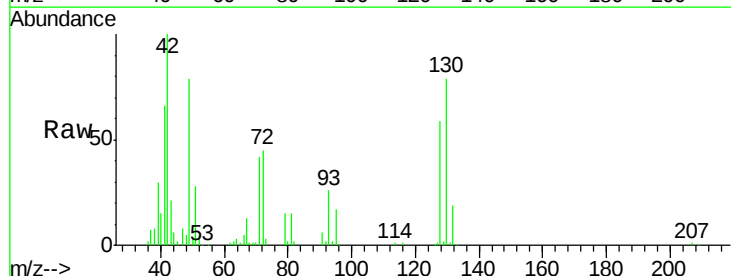
MMDadoda
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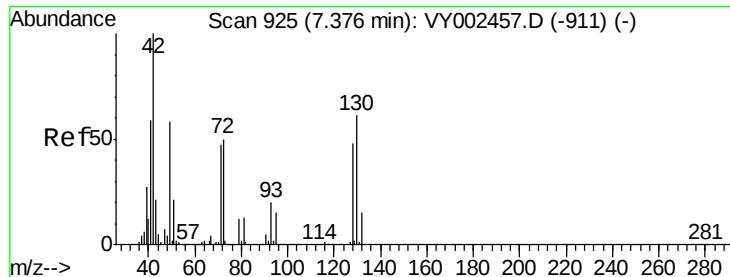


#28

Bromochloromethane
Concen: 21.859 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	95.1	76.3	114.5





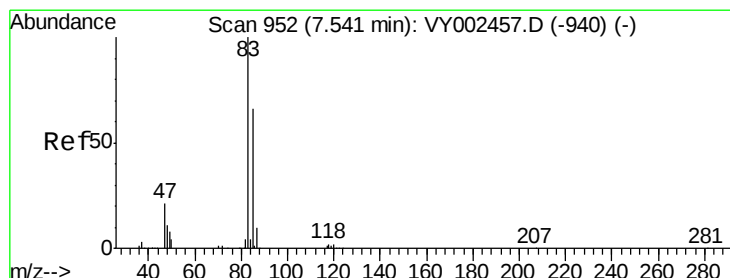
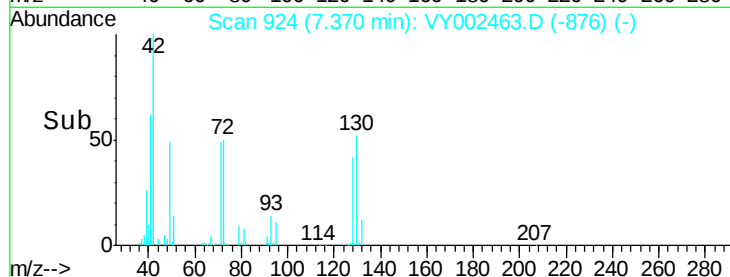
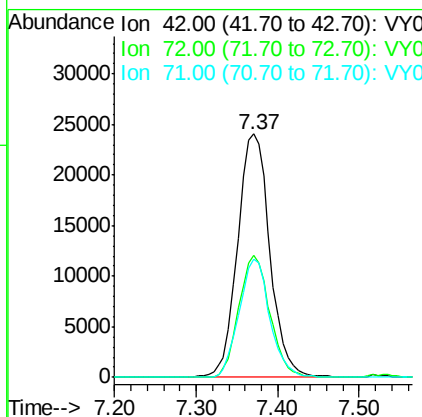
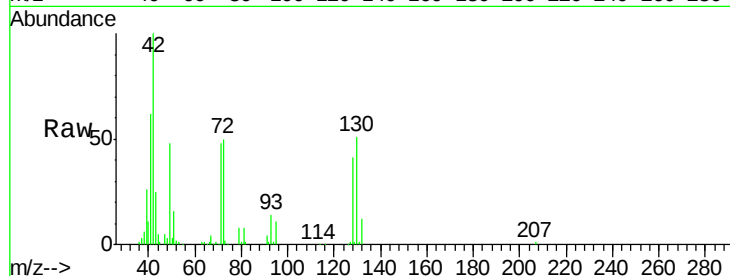
#29
Tetrahydrofuran
Concen: 114.388 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion:	42	Resp:	66033
Ion	Ratio	Lower	Upper
42	100		
72	47.9	39.5	59.3
71	46.0	37.6	56.4

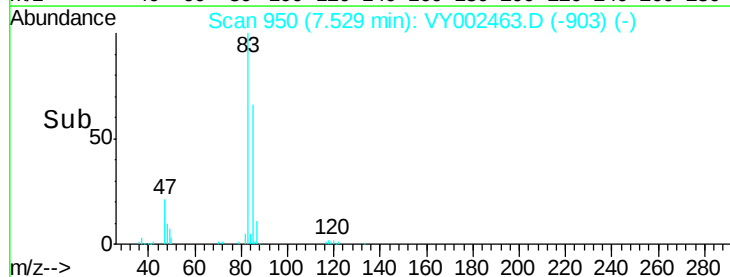
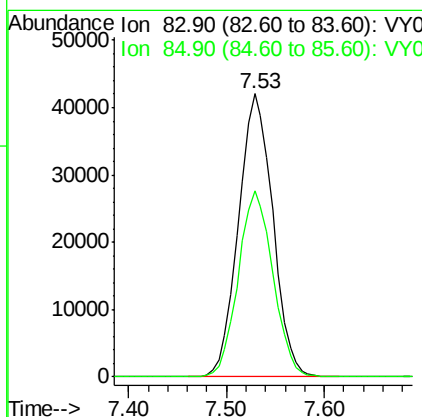
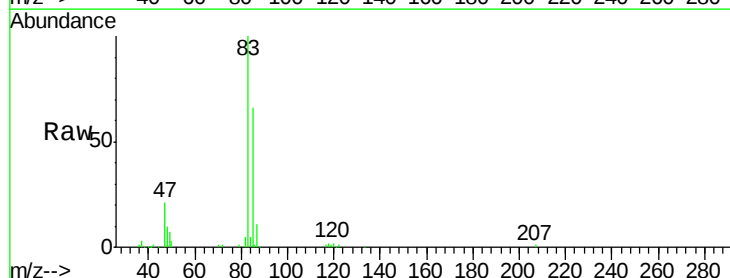
Manual Integrations
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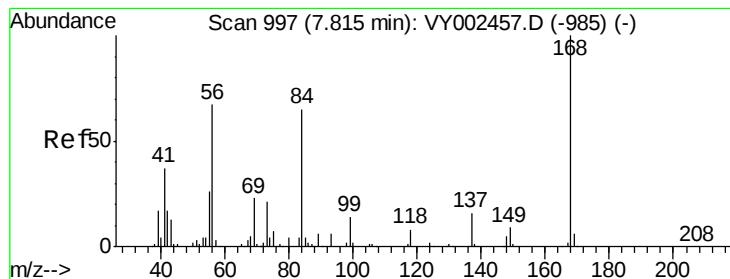
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#30
Chloroform
Concen: 20.516 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion:	83	Resp:	102357
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





#31

Cyclohexane

Concen: 19.740 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

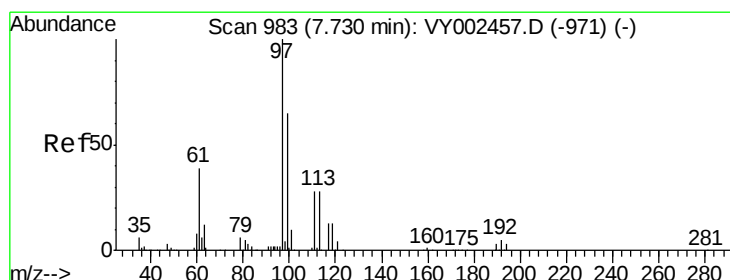
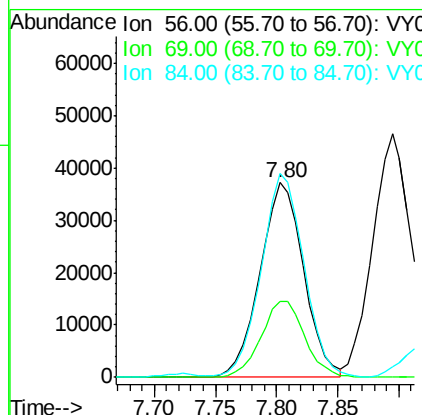
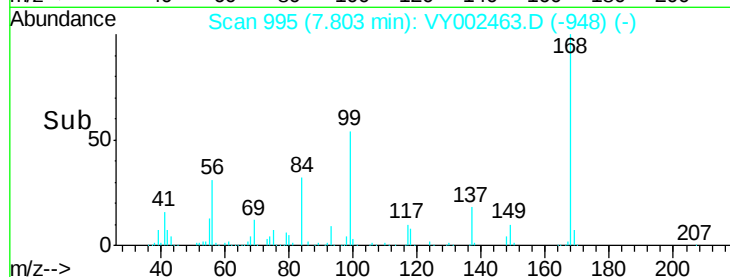
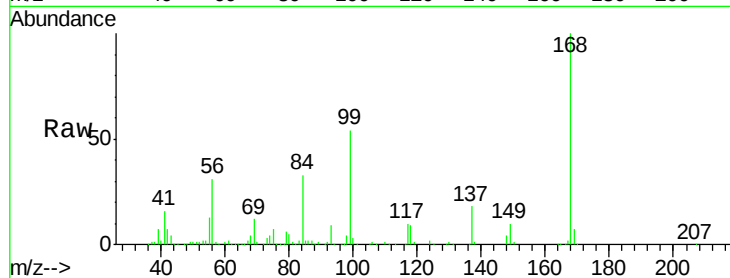
ClientSampleId :

VY0423SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	39.1	27.0	40.6	
84	103.3	77.4	116.2	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.295 ug/l

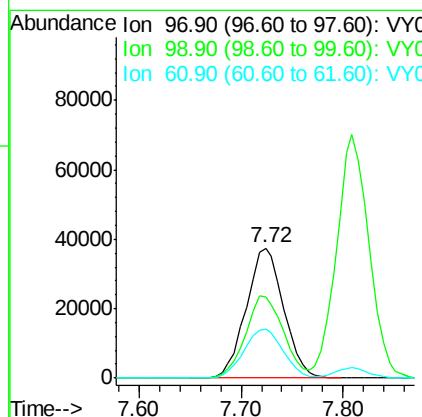
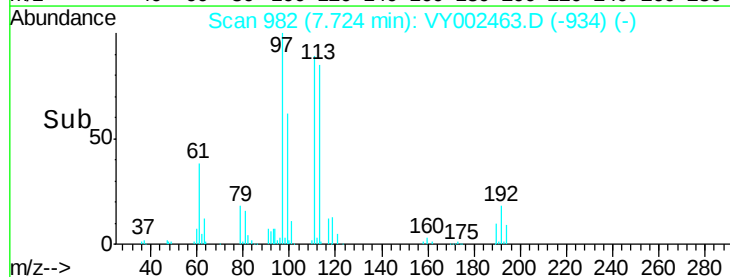
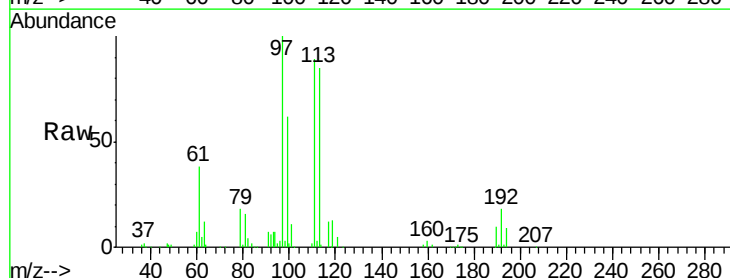
RT: 7.72 min Scan# 982

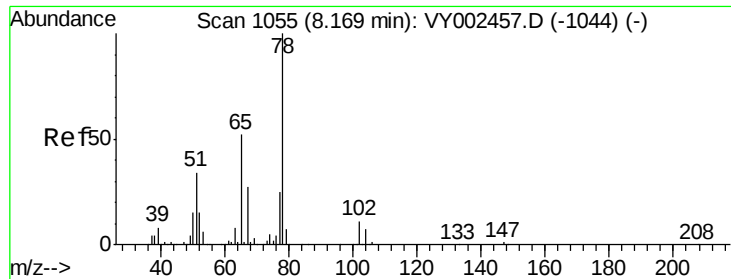
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.6	77.4	
61	39.5	30.6	45.8	





#33

1,2-Dichloroethane-d4

Concen: 49.824 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 65 Resp: 135498

Ion Ratio Lower Upper

65 100

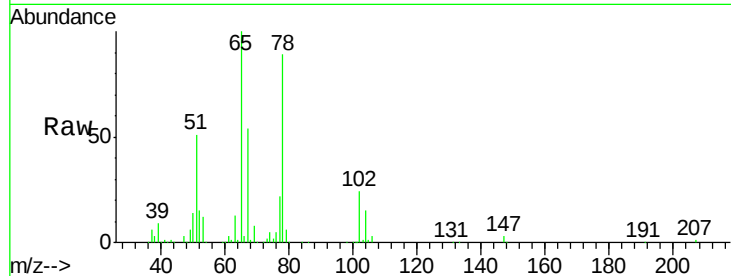
67 52.9 0.0 104.2

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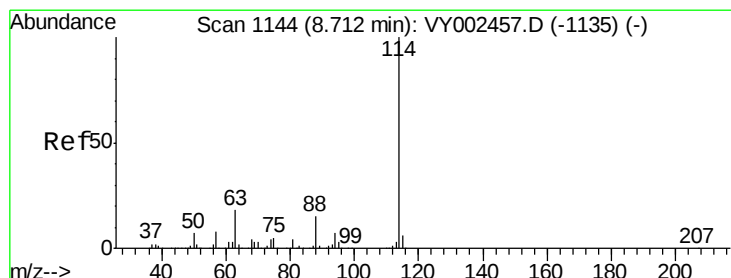
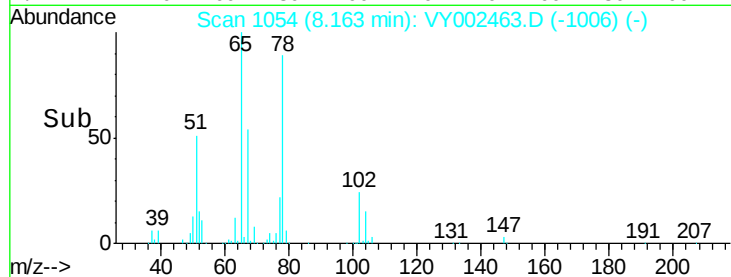
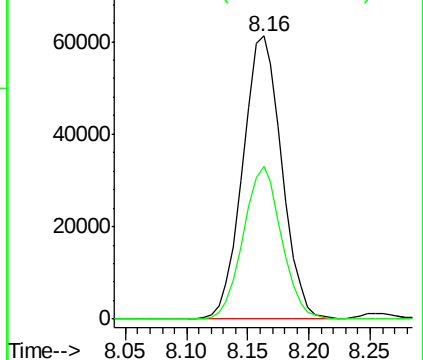
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

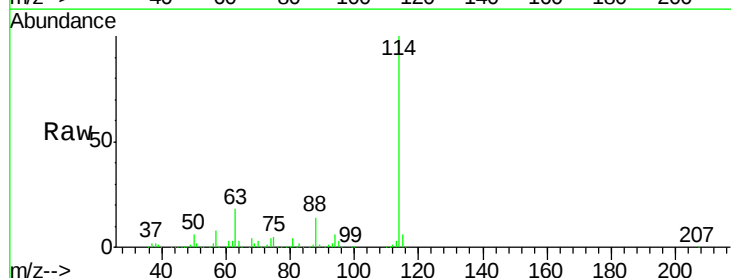
Tgt Ion: 114 Resp: 465566

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

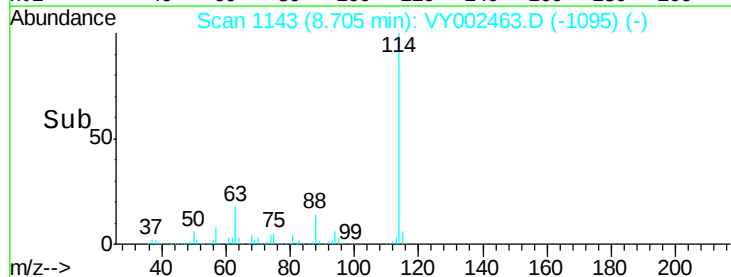
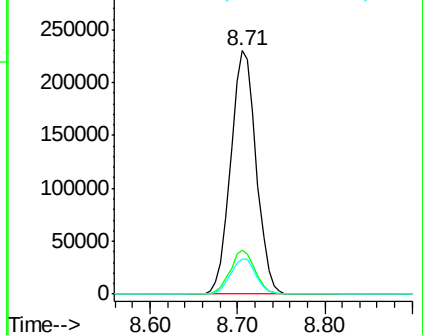
88 14.1 0.0 29.4

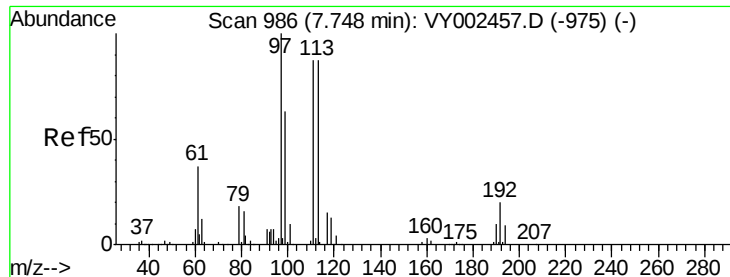


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 51.085 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

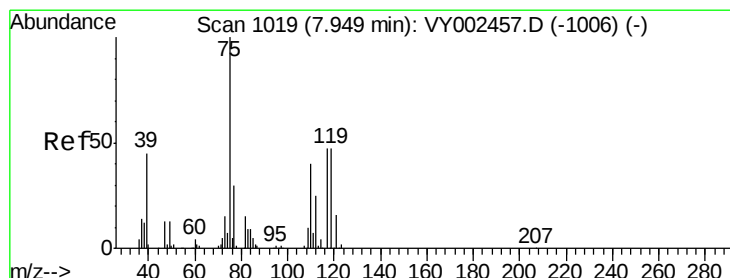
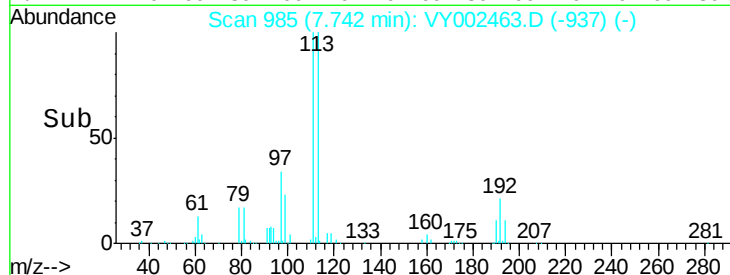
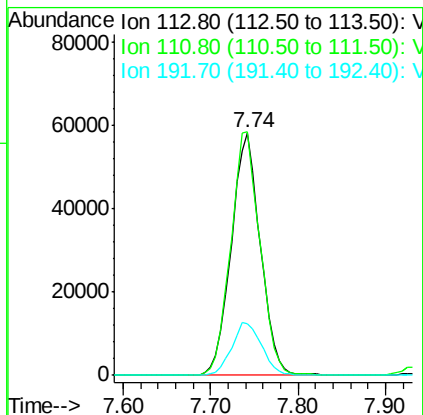
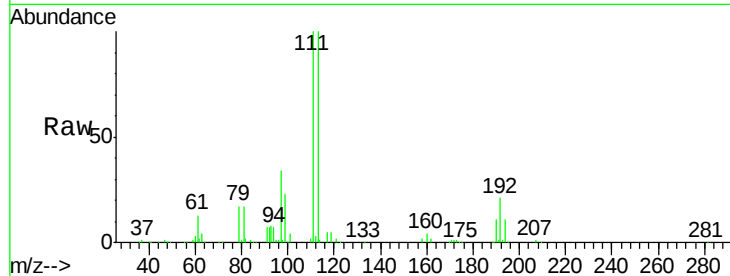
ClientSampleId :

VY0423SBS01

Tot Ion:	113	Resp:	134152
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.0	121.4
192	22.5	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.697 ug/l

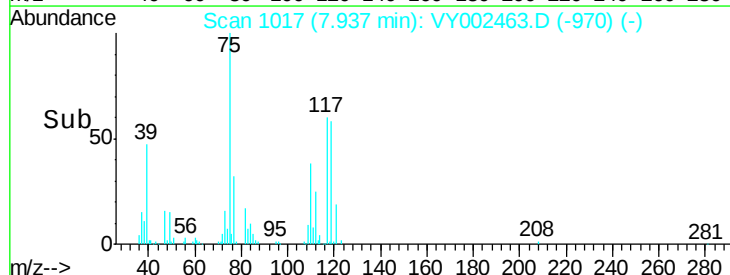
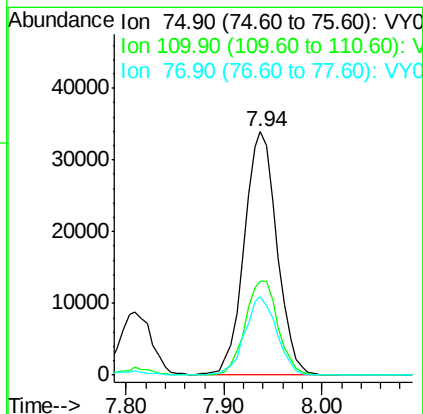
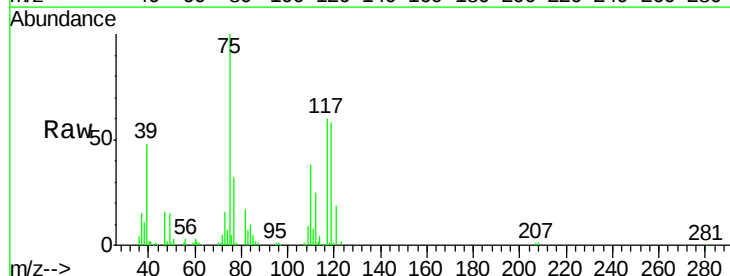
RT: 7.94 min Scan# 1017

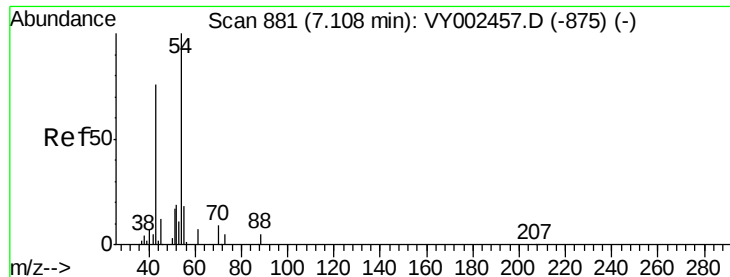
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	75	Resp:	78629
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.4	58.4
77	31.3	24.7	37.1





#37

Ethyl Acetate

Concen: 22.239 ug/l

RT: 7.10 min Scan# 879

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

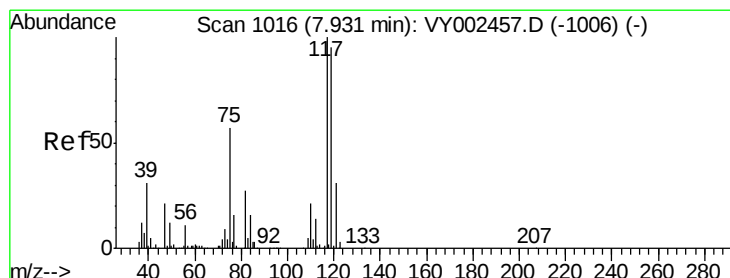
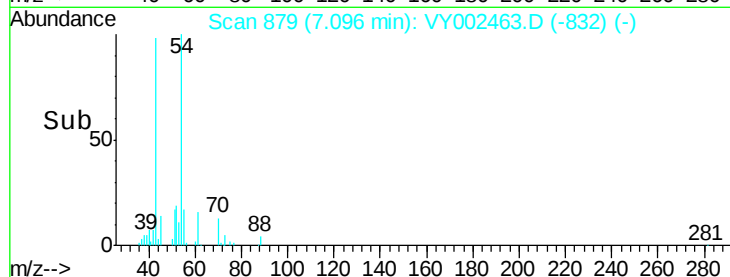
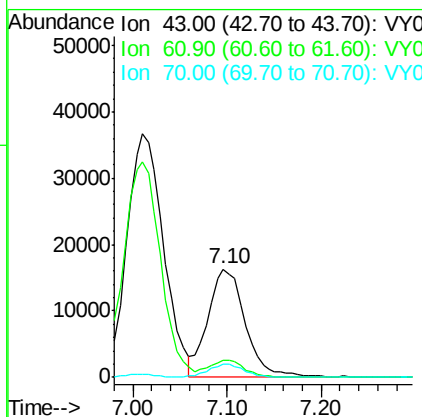
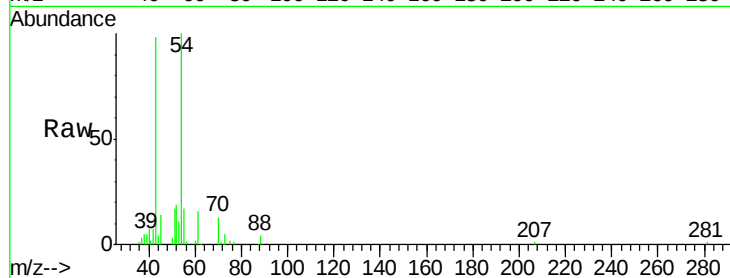
ClientSampleId :

VY0423SBS01

Tot Ion:	43	Resp:	44600
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	11.8	9.3	13.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.568 ug/l

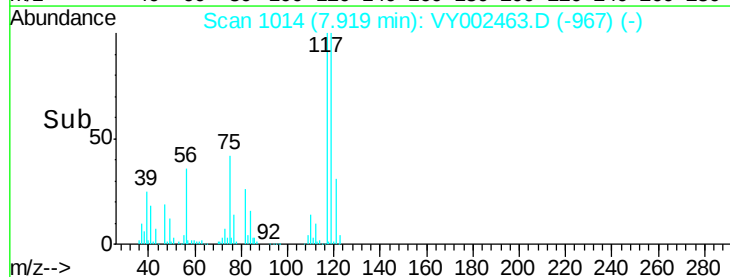
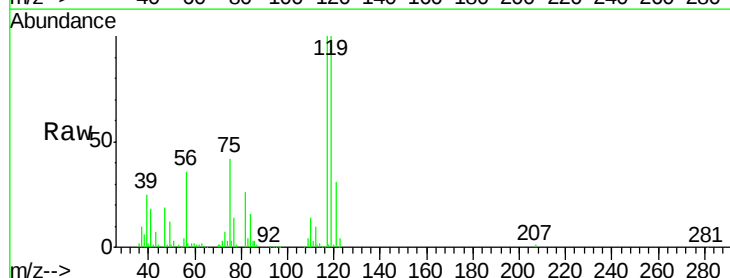
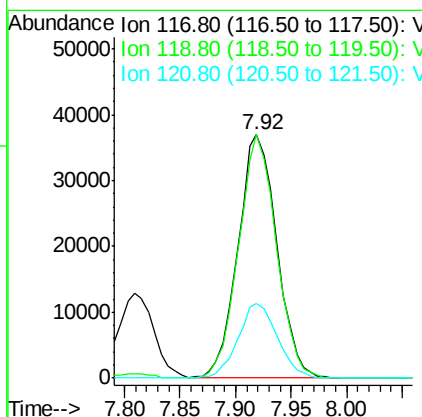
RT: 7.92 min Scan# 1014

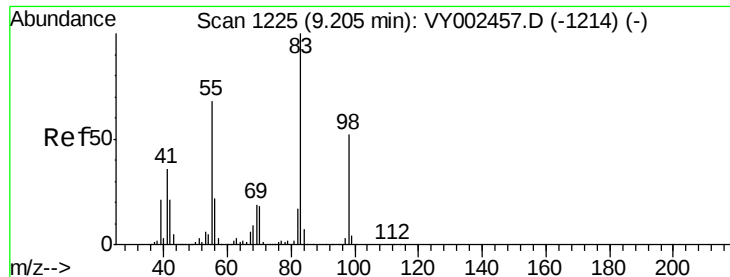
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	117	Resp:	89830
Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.9	113.9
121	30.9	24.5	36.7





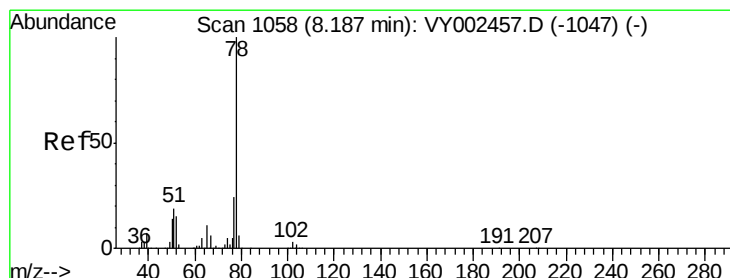
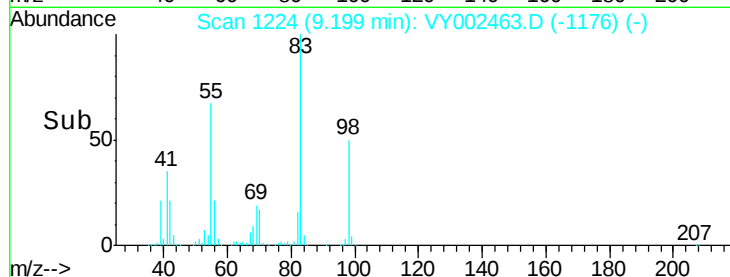
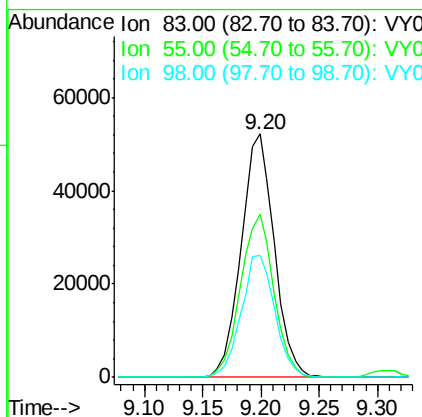
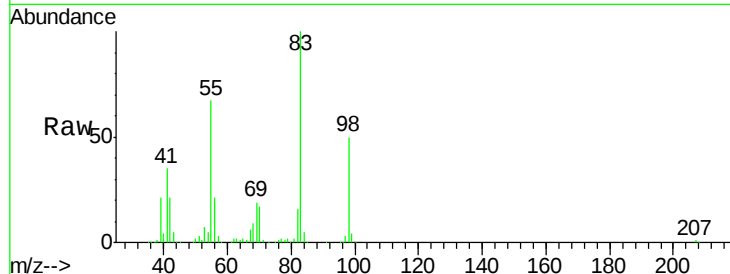
#39
Methvlcvclohexane
Concen: 19.851 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.9	54.2	81.2
98	50.3	41.9	62.9

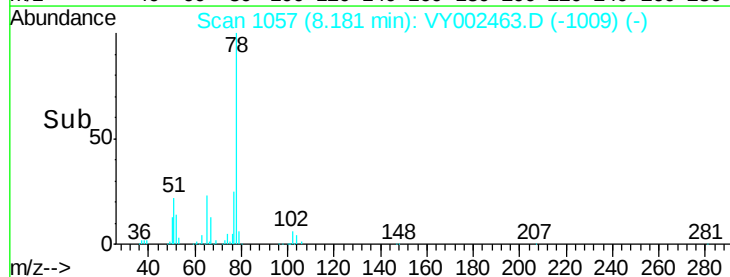
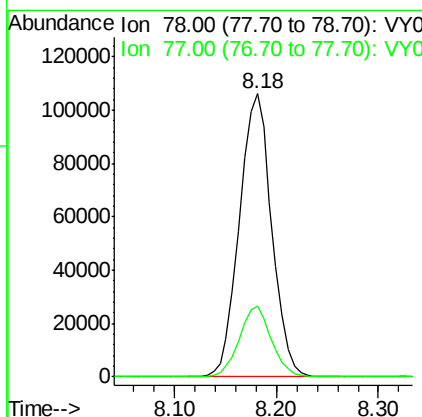
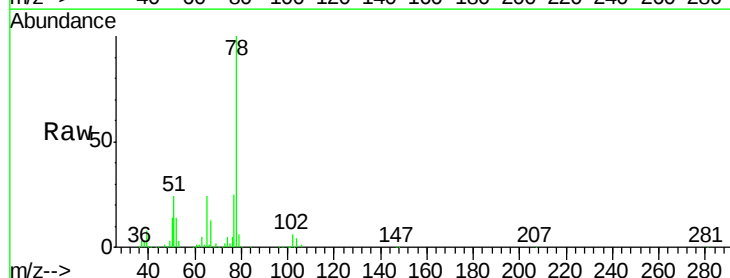
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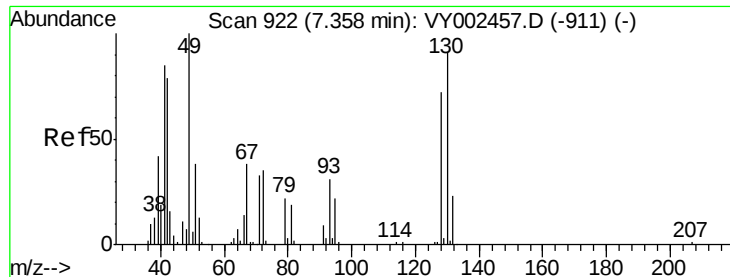
MMDadoda
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#40
Benzene
Concen: 20.234 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.4	29.0





#41

Methacrylonitrile

Concen: 19.413 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 41 Resp: 23987

Ion Ratio Lower Upper

41 100

39 117.3 85.7 128.5

67 0.0 0.0 0.0

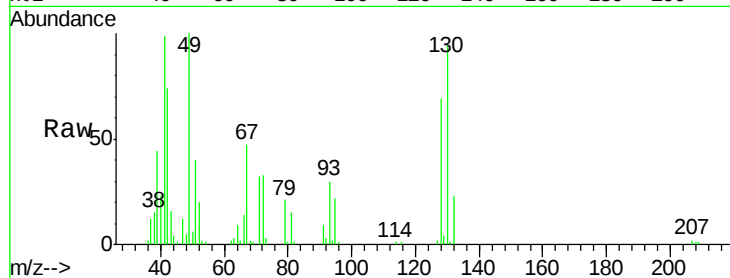
52 0.0 0.0 0.0

Manual Integrations

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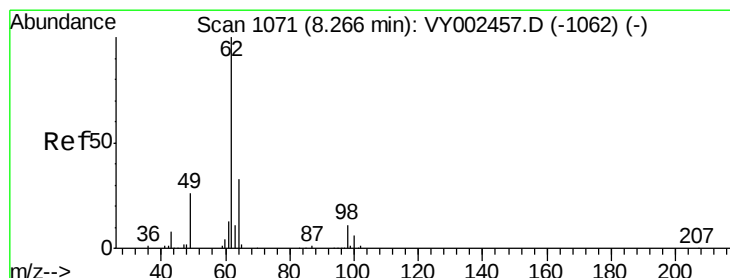
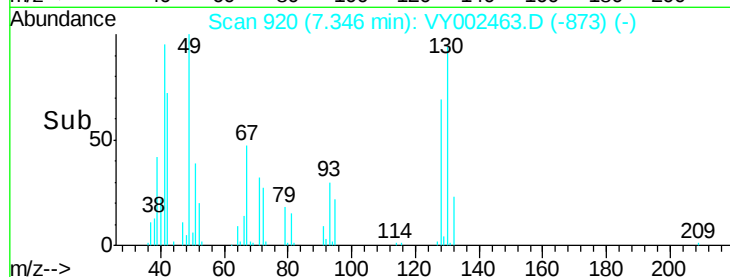
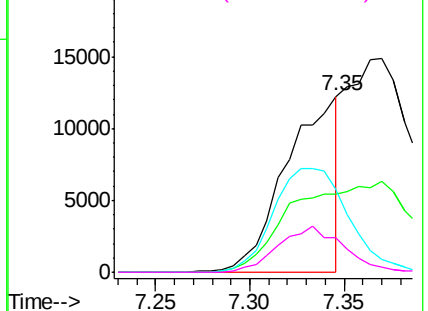


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.648 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY002463.D

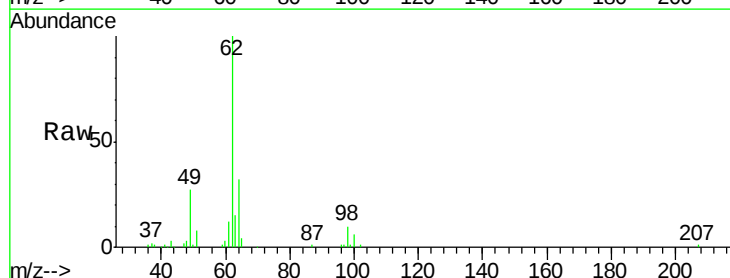
Acq: 23 Apr 2020 16:40

Tgt Ion: 62 Resp: 69206

Ion Ratio Lower Upper

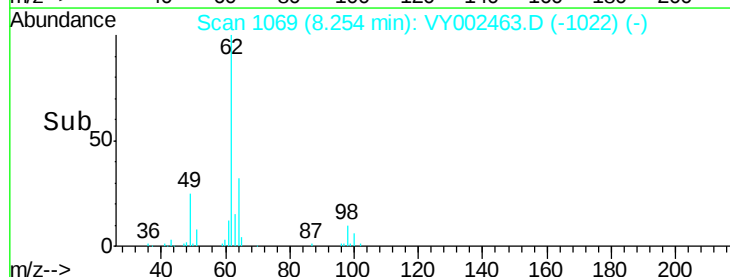
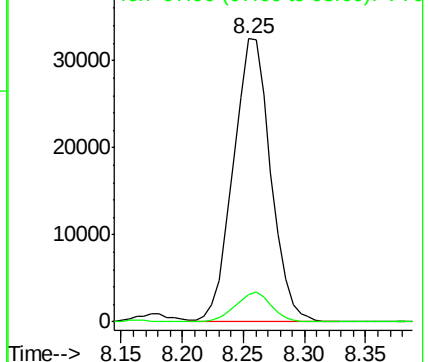
62 100

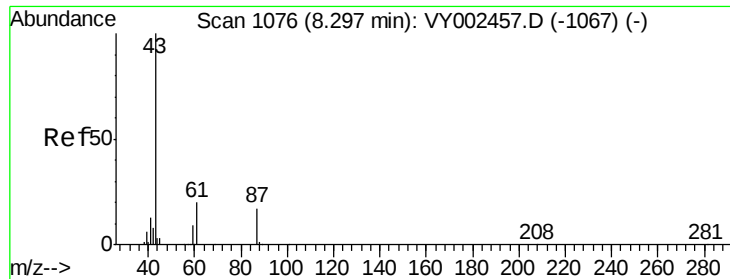
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 21.803 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

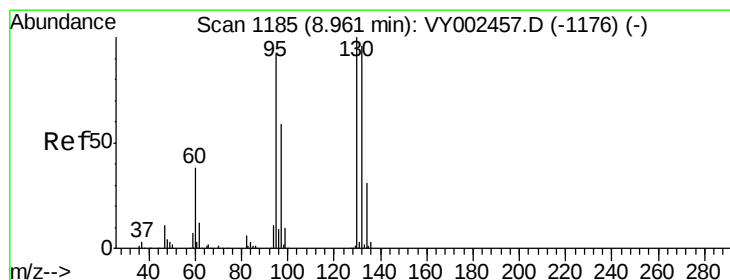
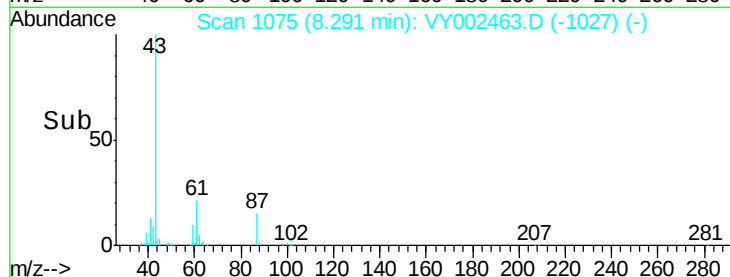
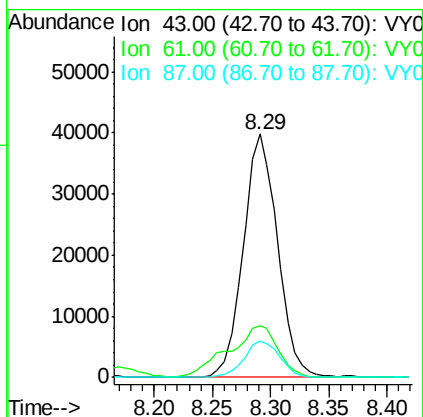
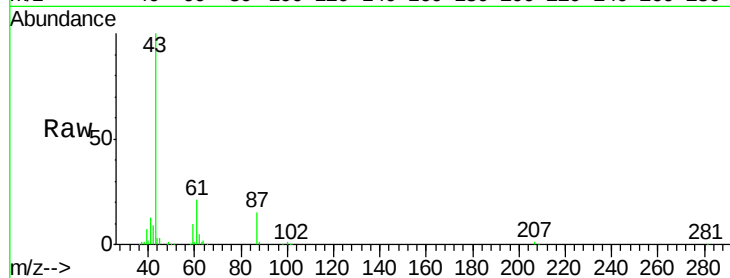
ClientSampleId :

VY0423SBS01

Tot Ion:	43	Resp:	81783
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.0	37.4
87	15.6	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.417 ug/l

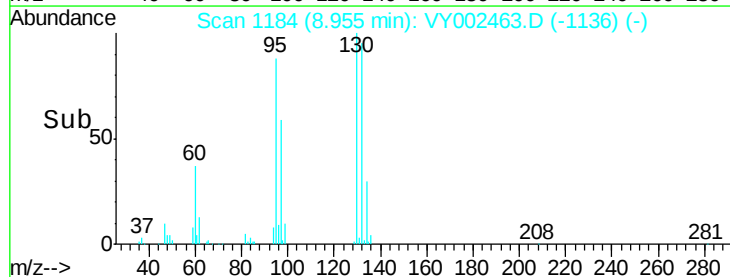
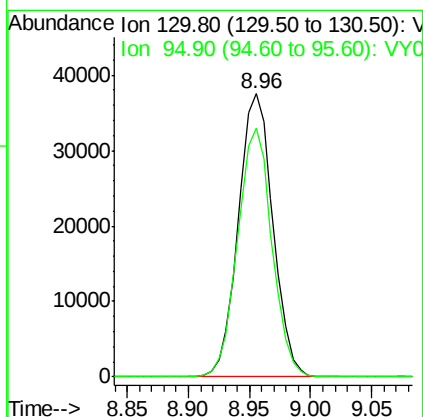
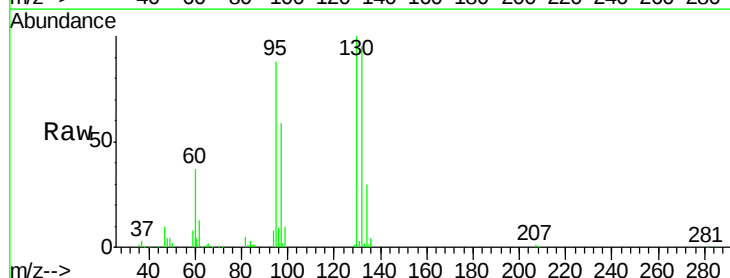
RT: 8.96 min Scan# 1184

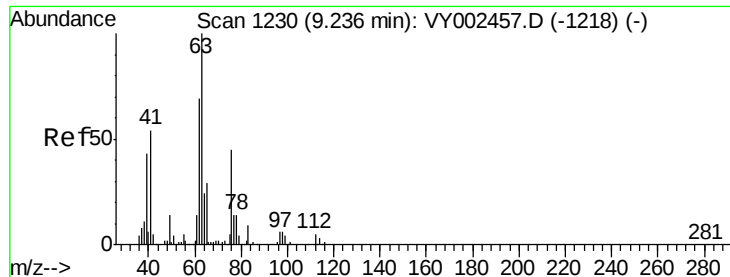
Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	130	Resp:	73660
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	184.2





#45

1,2-Dichloropropane

Concen: 20.644 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 63 Resp: 54898

Ion Ratio Lower Upper

63 100

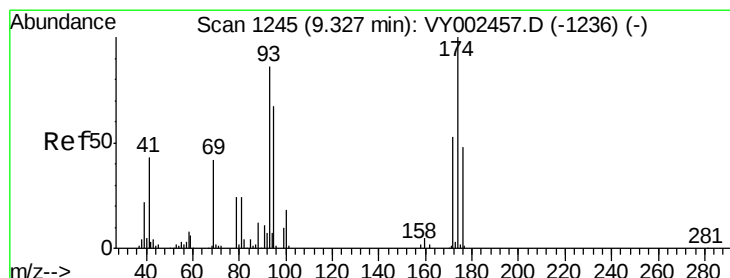
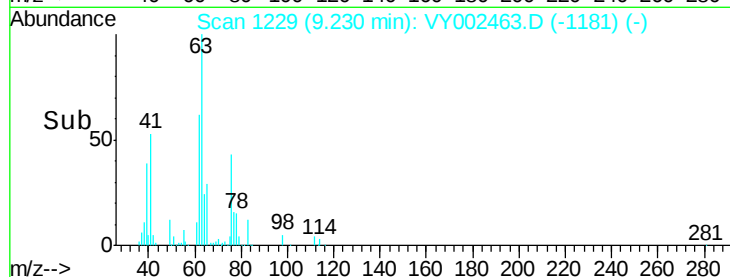
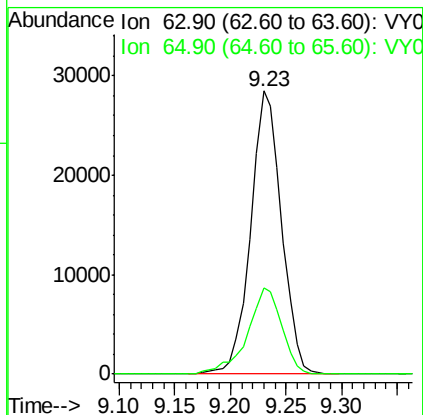
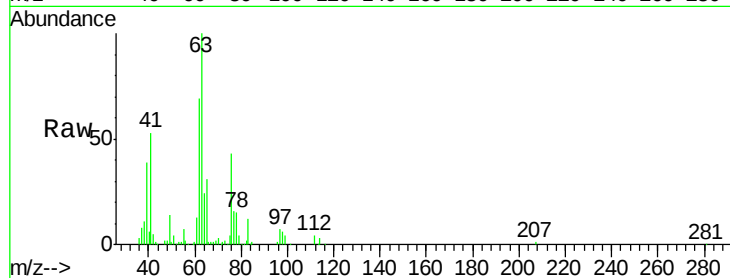
65 30.5 23.4 35.0

Manual Integrations

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#46

Dibromomethane

Concen: 20.900 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

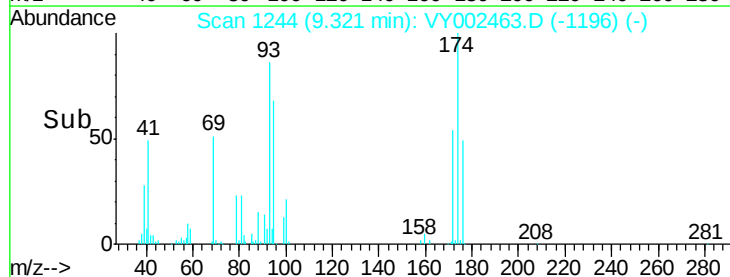
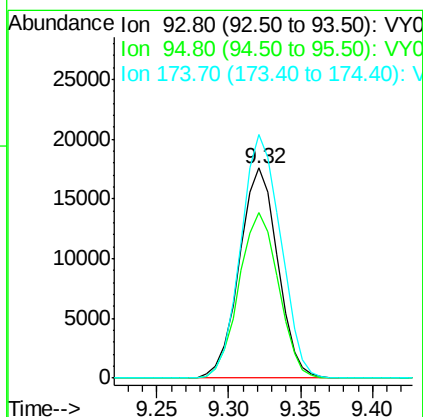
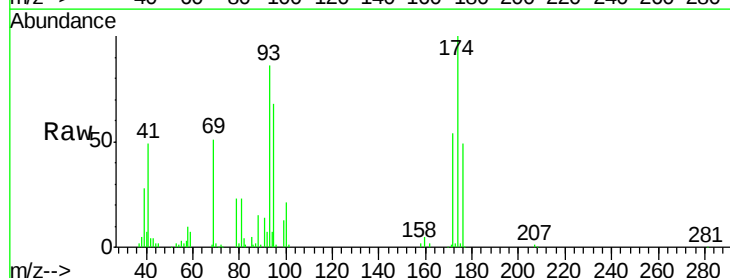
Tgt Ion: 93 Resp: 32517

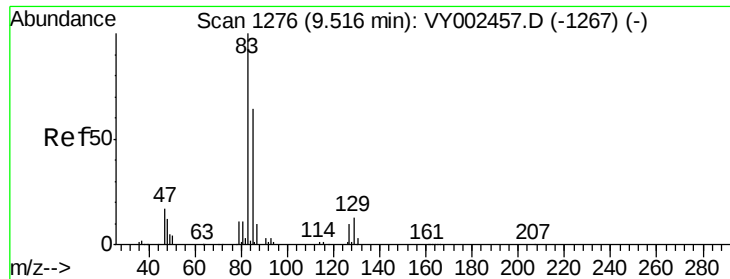
Ion Ratio Lower Upper

93 100

95 81.1 65.4 98.0

174 120.0 94.8 142.2





#47

Bromodichloromethane

Concen: 20.714 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

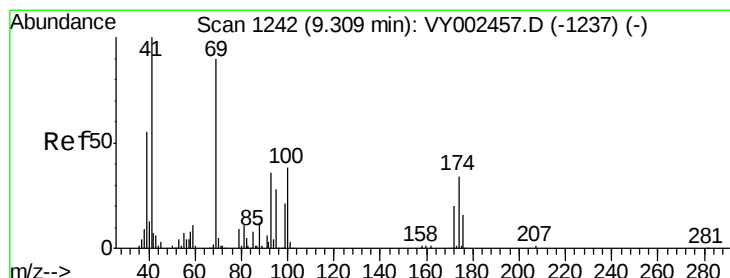
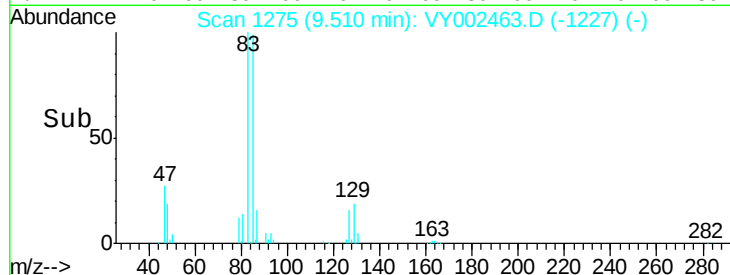
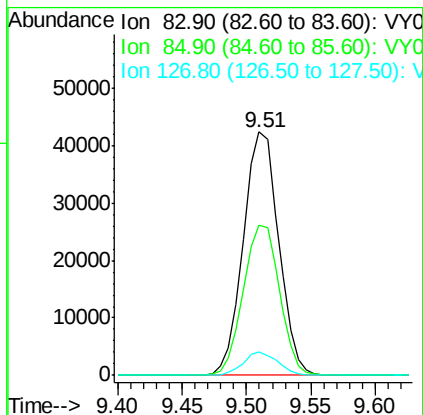
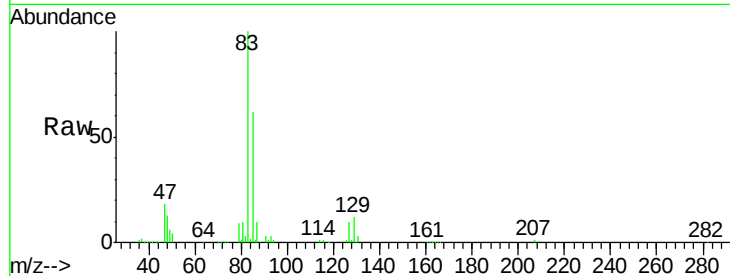
ClientSampleId :

VY0423SBS01

Tot Ion:	83	Resp:	80593
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.2	76.8
127	9.8	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.721 ug/l

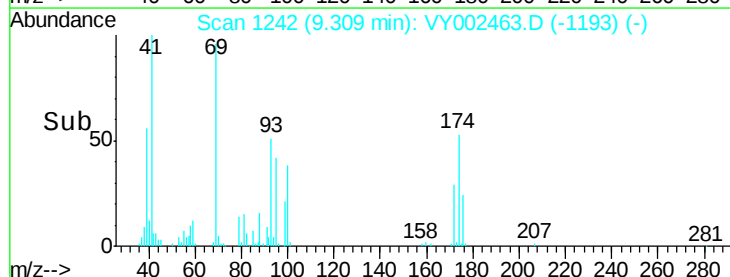
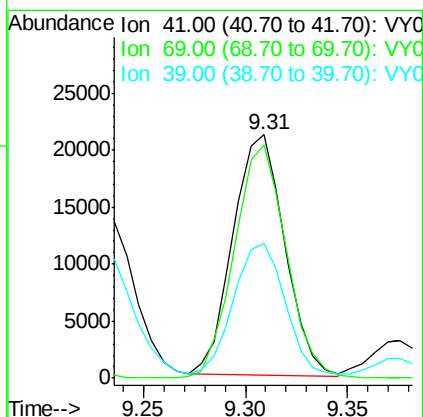
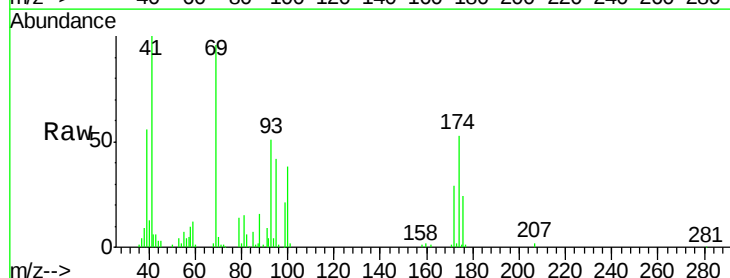
RT: 9.31 min Scan# 1242

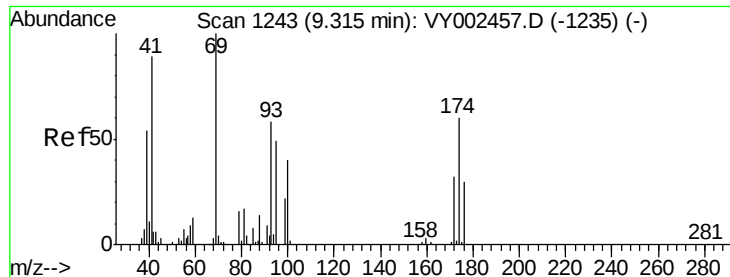
Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	41	Resp:	37195
Ion	Ratio	Lower	Upper
41	100		
69	97.6	77.9	116.9
39	54.2	47.9	71.9





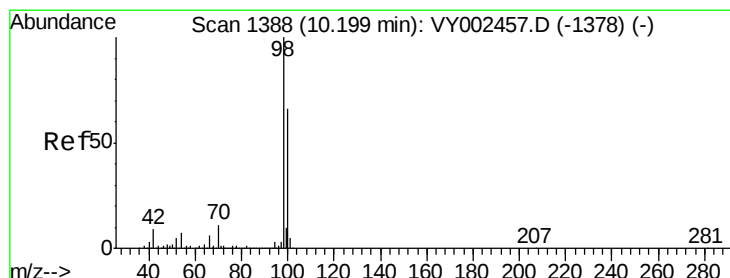
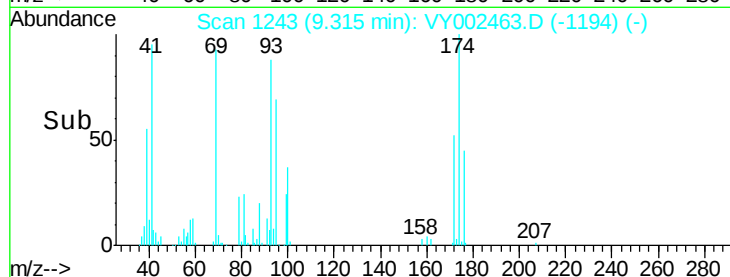
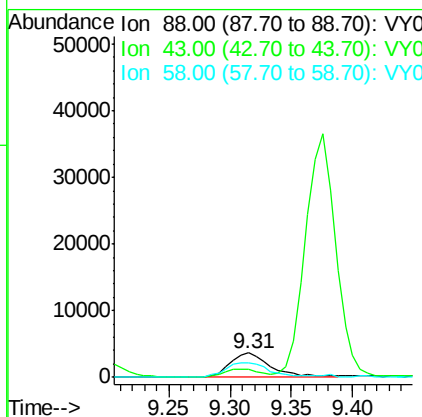
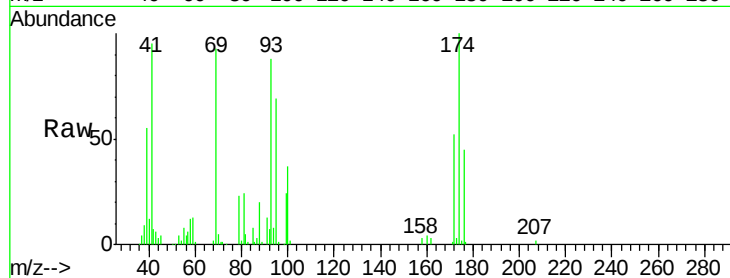
#49
1,4-Dioxane
Concen: 437.520 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	88	Resp	8675
Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.9	34.3
58	61.8	49.5	74.3

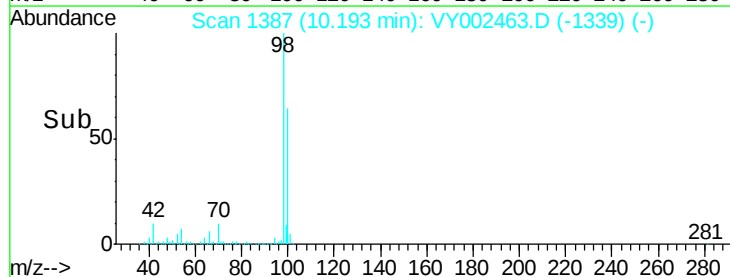
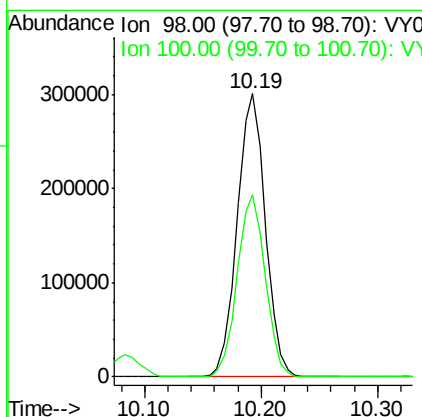
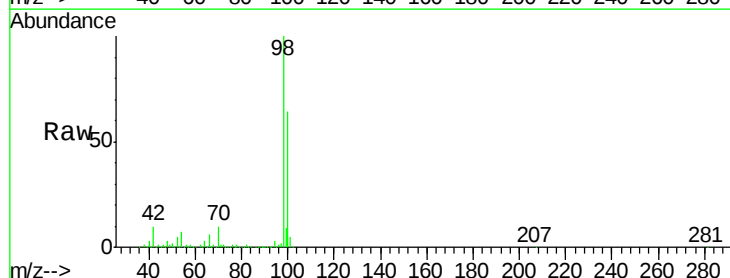
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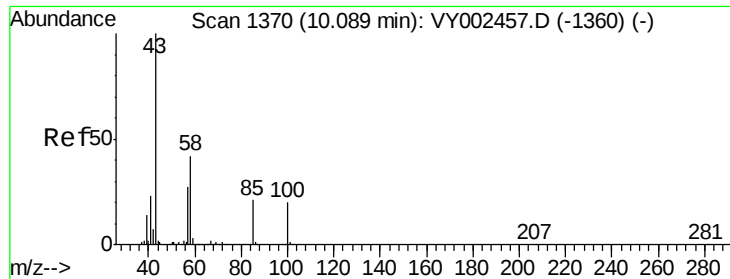
MMDadoda
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#50
Toluene-d8
Concen: 48.166 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	98	Resp	508379
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





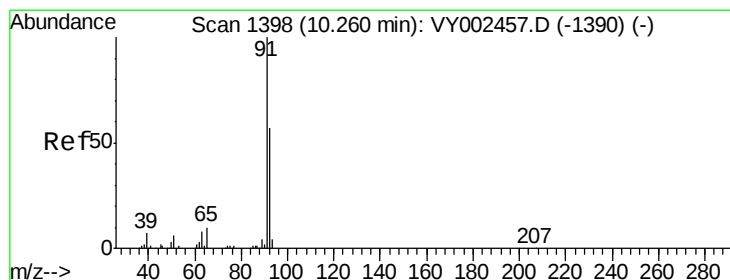
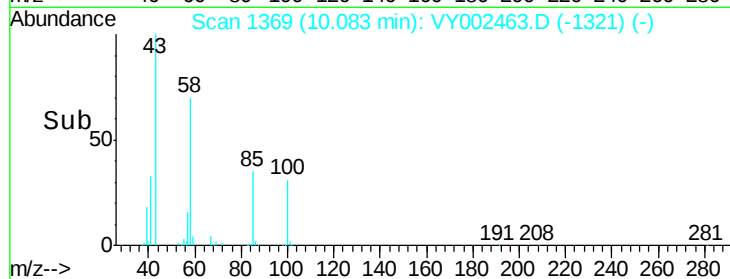
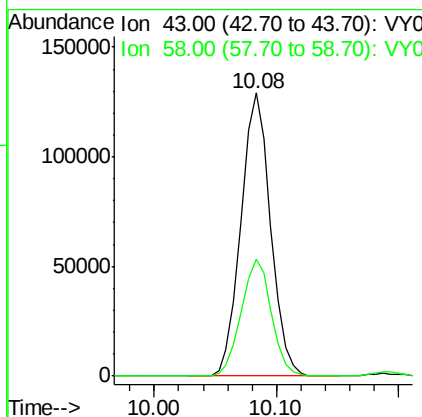
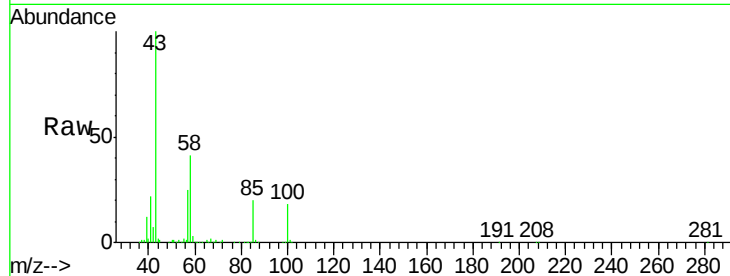
#51
4-Methyl-2-Pentanone
Concen: 111.298 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	33.2	49.8

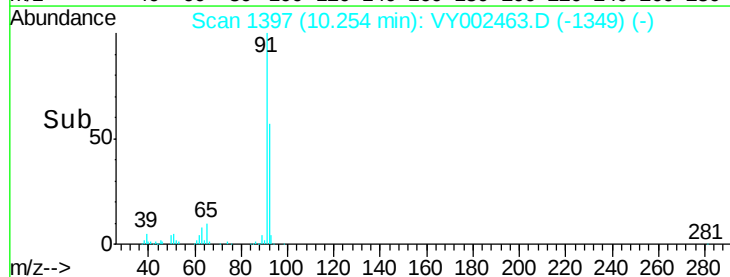
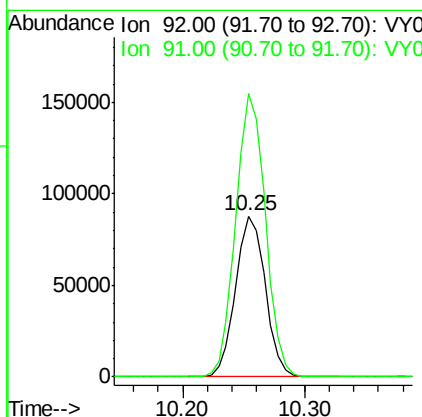
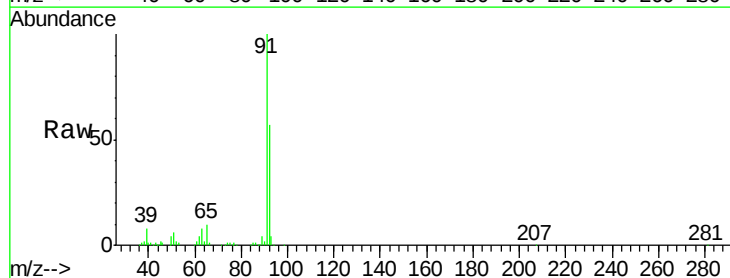
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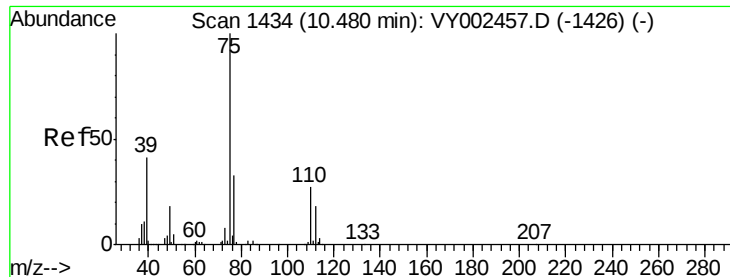
MMDadoda
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#52
Toluene
Concen: 19.877 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.2	140.2	210.2





#53

t-1,3-Dichloropropene

Concen: 20.890 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 75 Resp: 85357

Ion Ratio Lower Upper

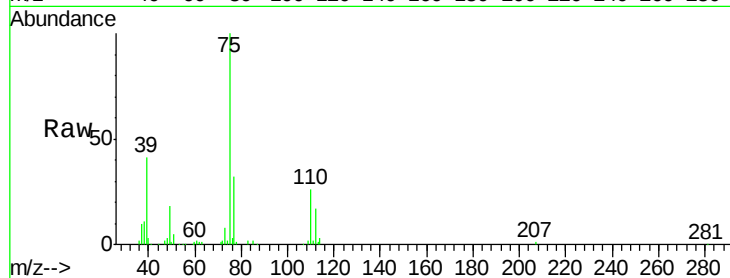
75 100

77 32.3 26.4 39.6

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

60000

50000

40000

30000

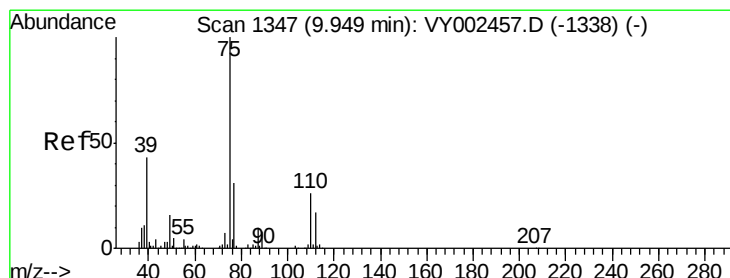
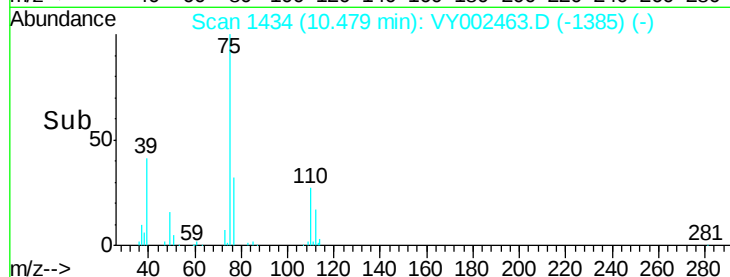
20000

10000

0

10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.371 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

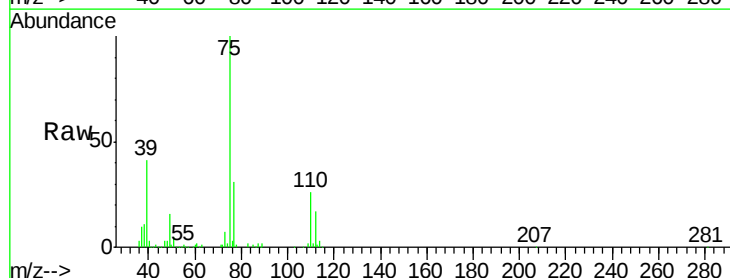
Tgt Ion: 75 Resp: 95267

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 41.0 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

60000

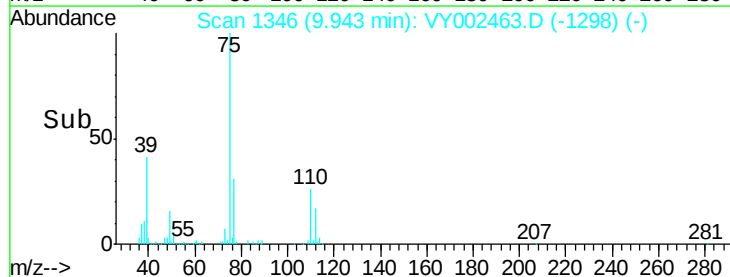
40000

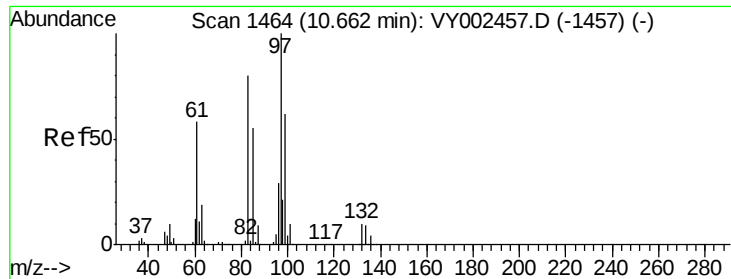
20000

0

9.85 9.90 9.95 10.00

Time-->





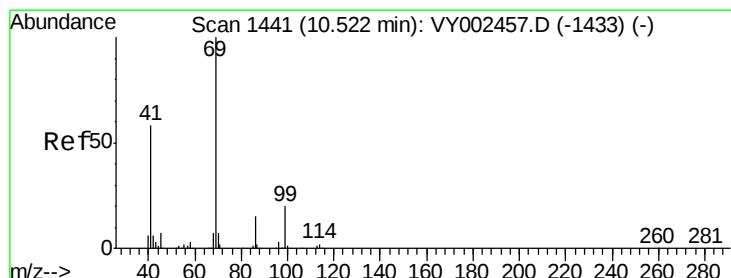
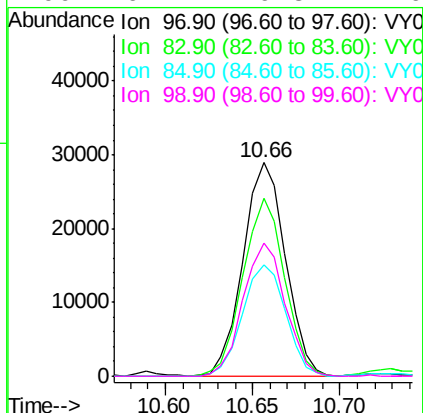
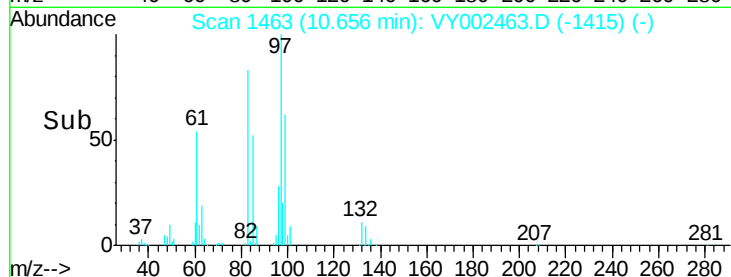
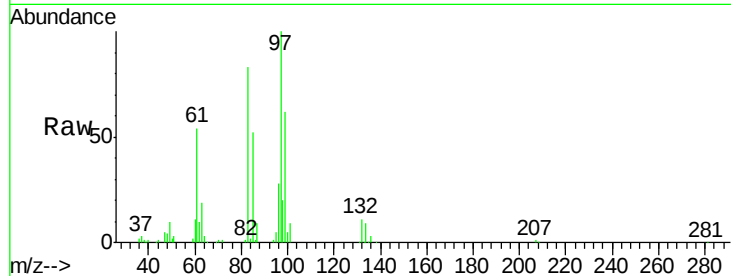
#55
 1,1,2-Trichloroethane
 Concen: 21.122 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion:	97	Resp:	48589
Ion	Ratio	Lower	Upper
97	100		
83	83.5	63.8	95.8
85	52.0	43.9	65.9
99	62.2	49.8	74.6

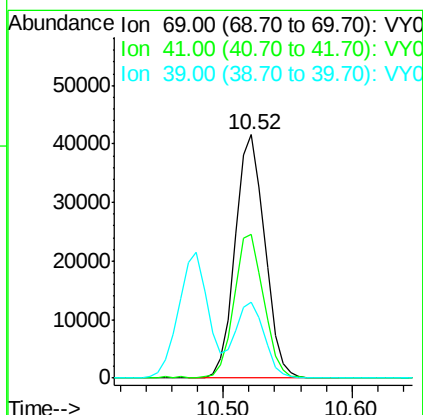
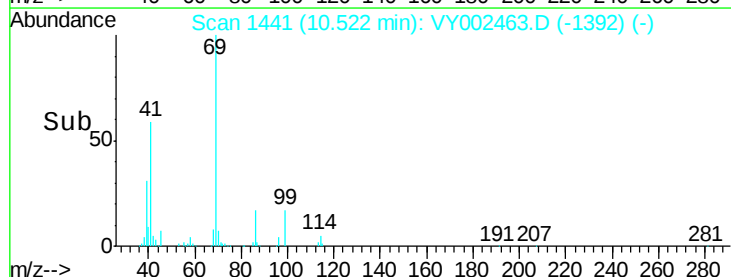
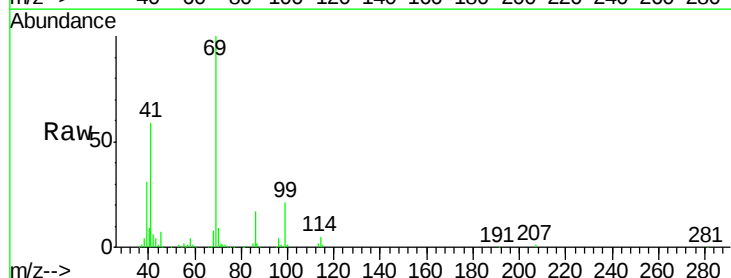
Manual Integrations
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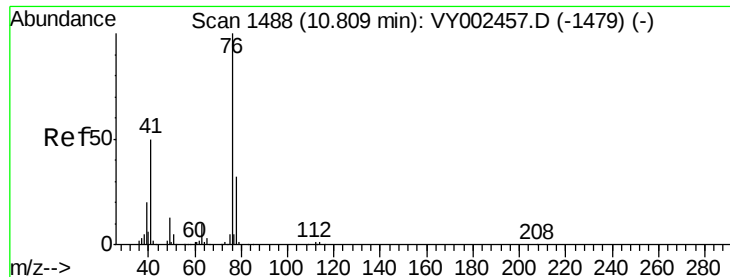
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 4/24/2020 1:33:47 PM



#56
 Ethyl methacrylate
 Concen: 21.114 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Tgt Ion:	69	Resp:	66365
Ion	Ratio	Lower	Upper
69	100		
41	59.0	47.5	71.3
39	31.7	25.7	38.5





#57

1,3-Dichloropropane

Concen: 20.918 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 76 Resp: 81240

Ion Ratio Lower Upper

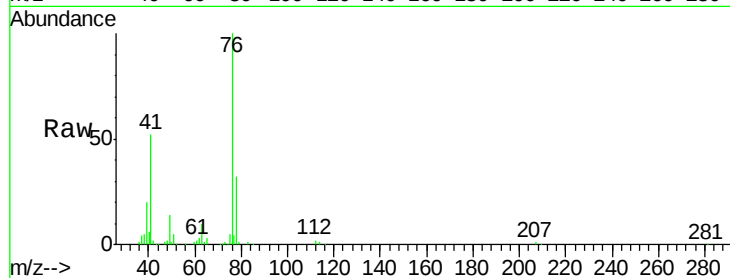
76 100

78 32.3 26.2 39.4

Manual Integrations
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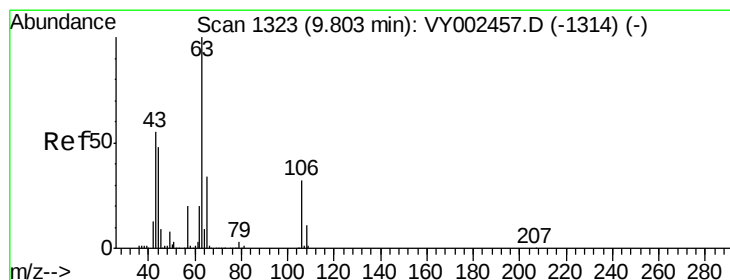
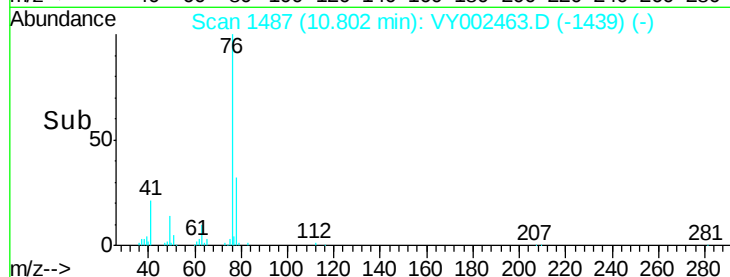
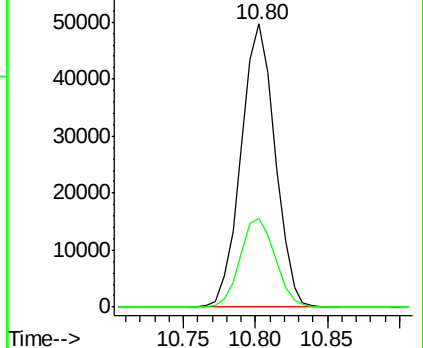
MMDadoda

4/24/2020 1:33:47 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 108.868 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VY002463.D

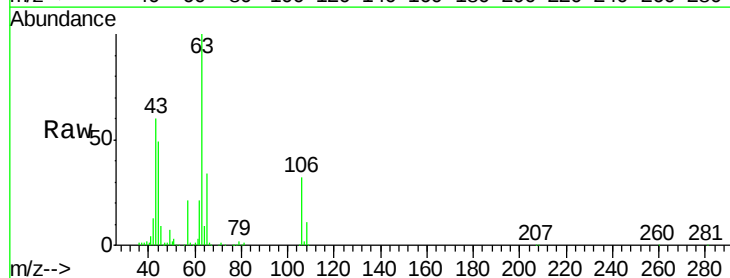
Acq: 23 Apr 2020 16:40

Tgt Ion: 63 Resp: 165478

Ion Ratio Lower Upper

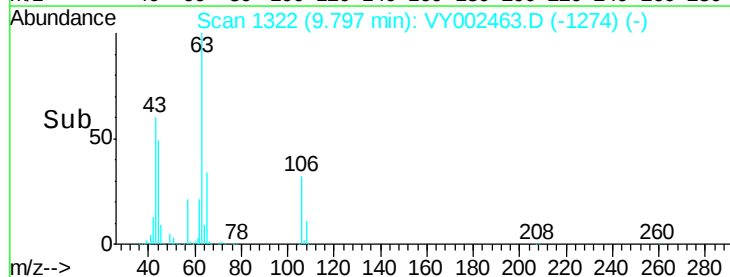
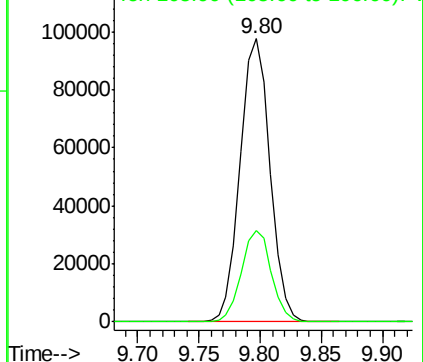
63 100

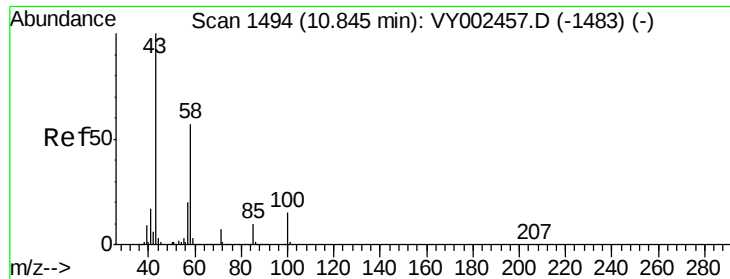
106 32.3 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





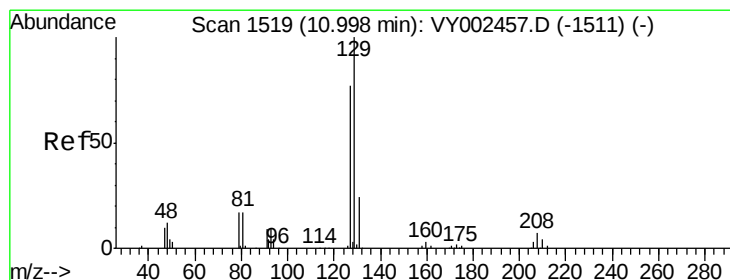
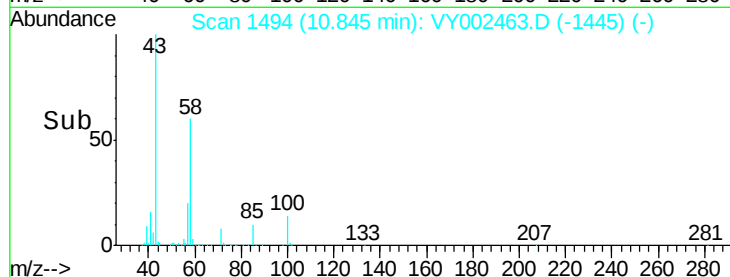
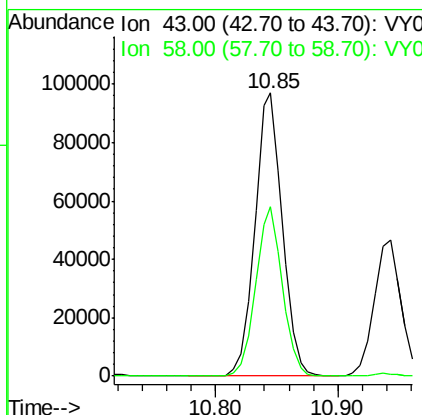
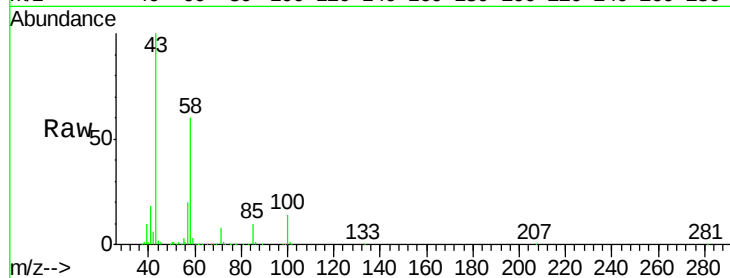
#59
2-Hexanone
Concen: 111.547 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion: 43 Resp: 151486
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.4

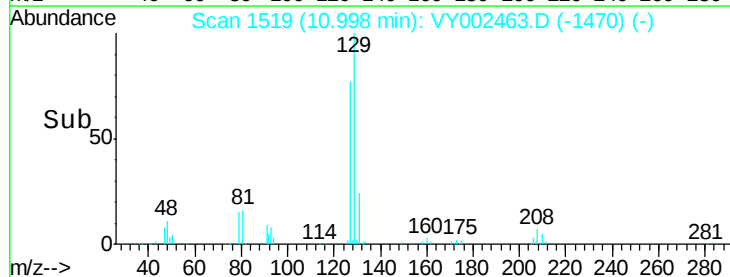
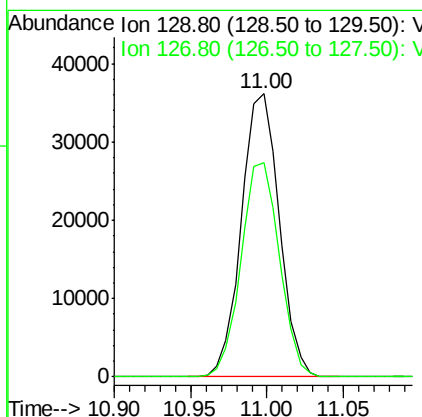
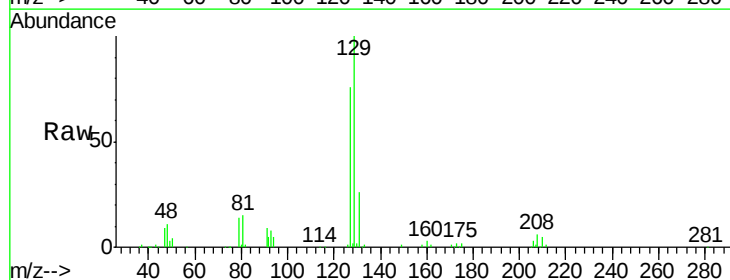
Manual Integrations
APPROVED

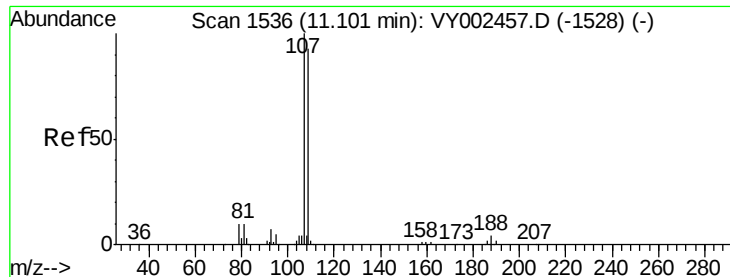
MMDadoda
4/24/2020 1:33:47 PM



#60
Dibromochloromethane
Concen: 20.670 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion: 129 Resp: 62306
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





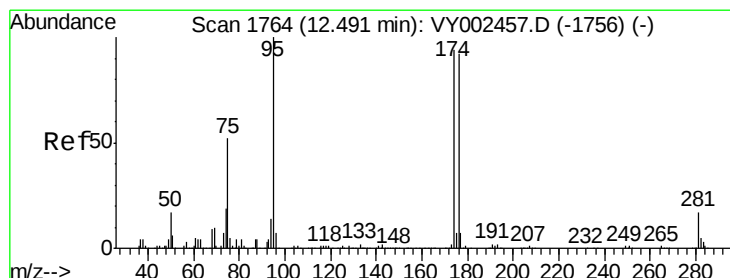
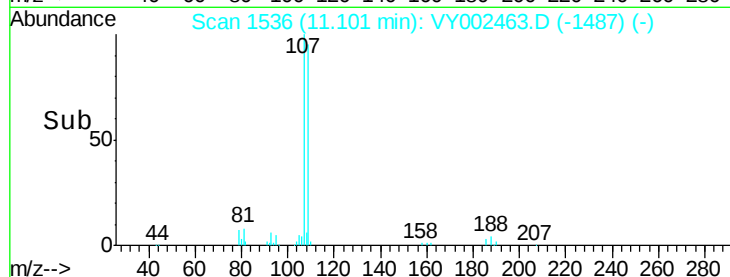
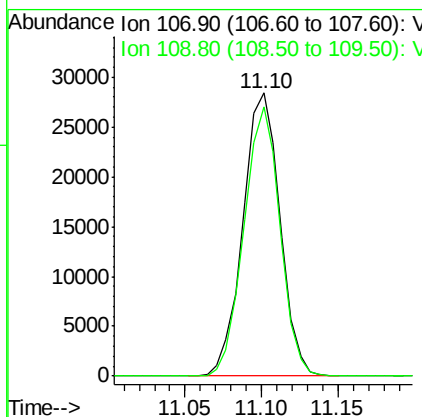
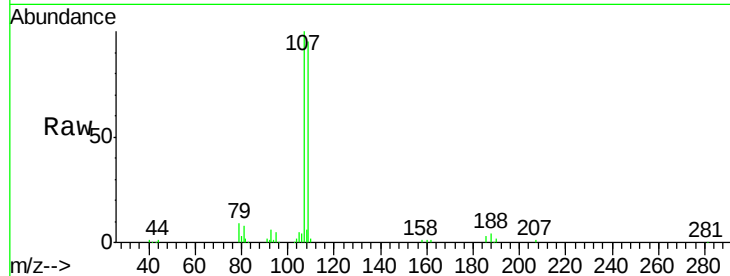
#61
 1,2-Dibromoethane
 Concen: 21.004 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.9	112.3

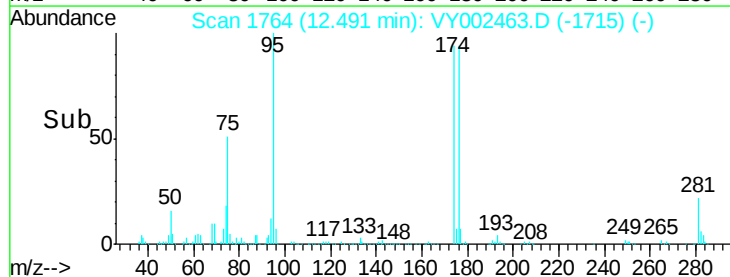
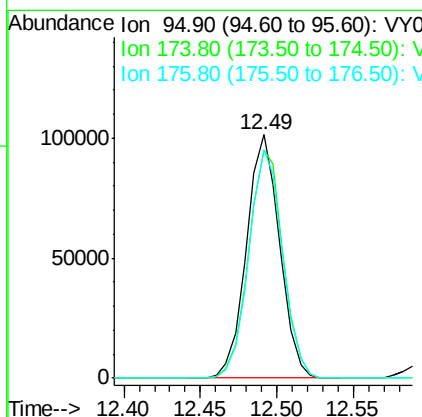
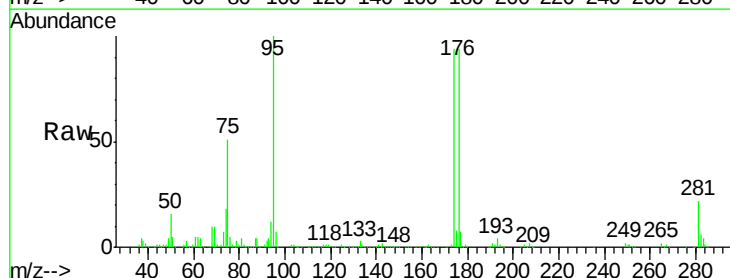
Manual Integrations
 APPROVED

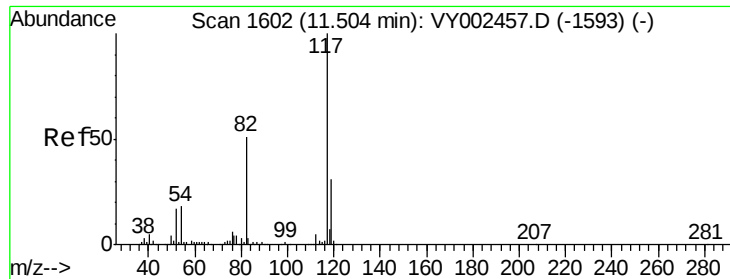
MMDadoda
 4/24/2020 1:33:47 PM



#62
 4-Bromofluorobenzene
 Concen: 43.106 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	193.0
176	94.6	0.0	190.4





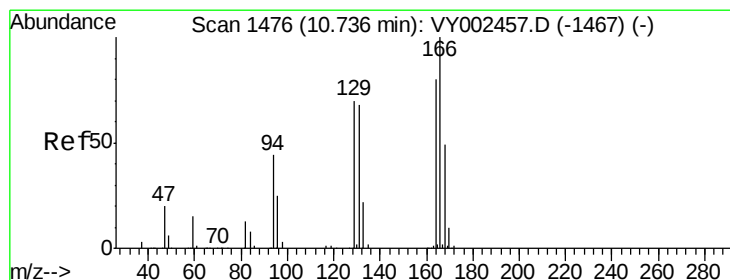
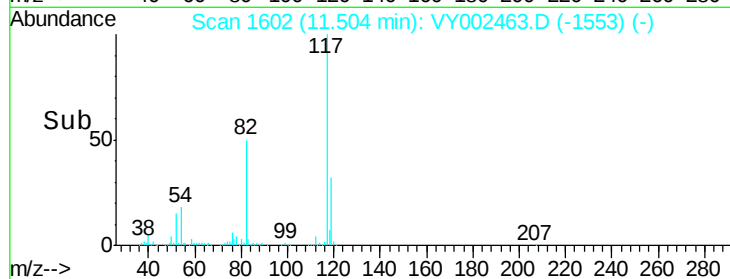
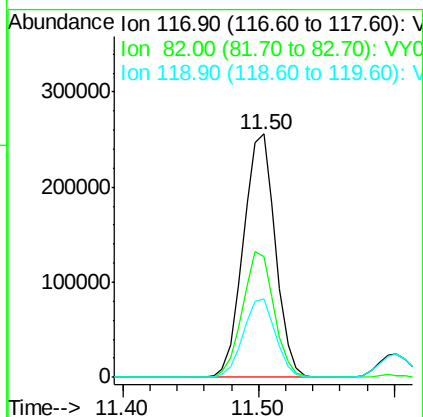
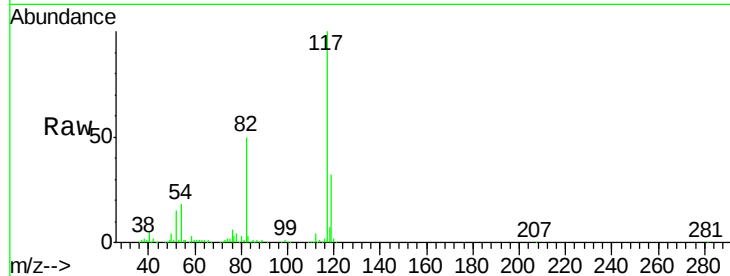
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	40.8	61.2
119	32.0	25.2	37.8

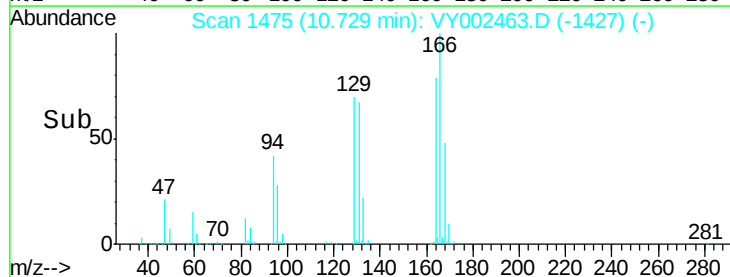
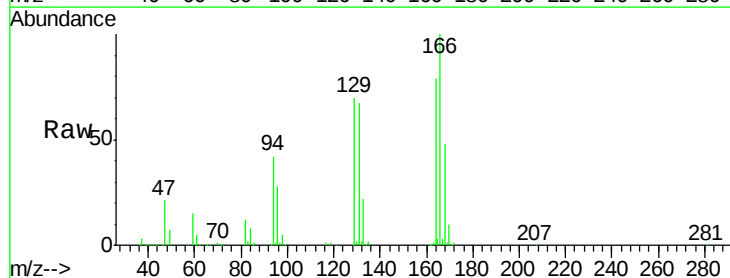
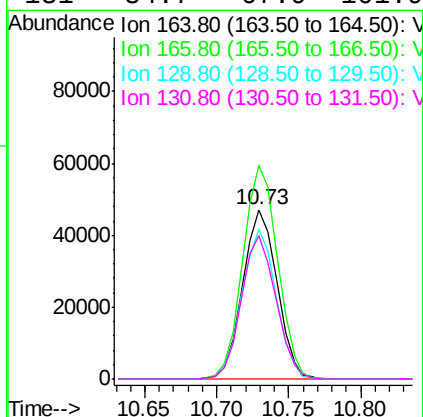
Manual Integrations
APPROVED

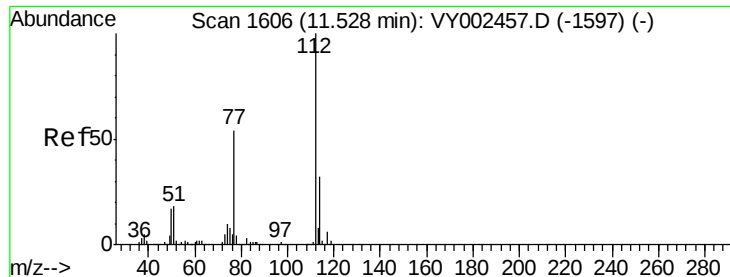
MMDadoda
4/24/2020 1:33:47 PM



#64
Tetrachloroethene
Concen: 20.145 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.0	150.0
129	88.8	69.8	104.8
131	84.7	67.9	101.9





#65

Chlorobenzene

Concen: 20.468 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:112 Resp: 166032

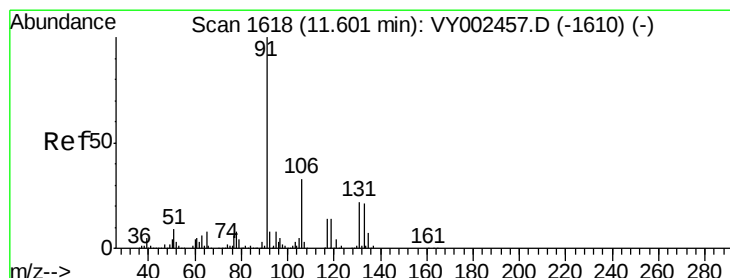
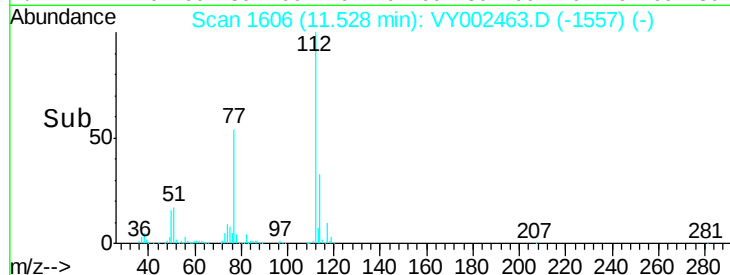
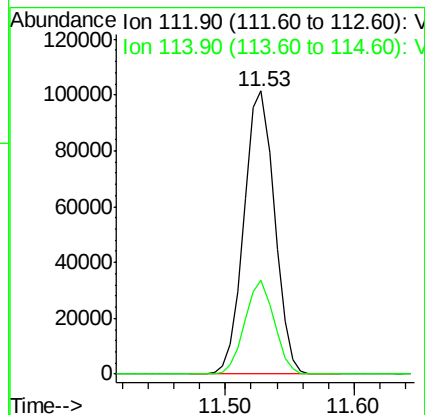
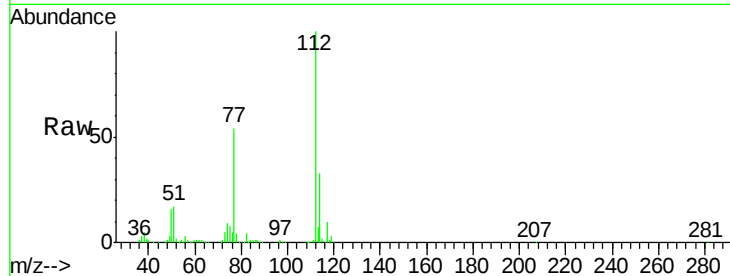
Ion Ratio Lower Upper

112 100

114 33.3 25.7 38.5

Manual Integrations
APPROVED

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4/24/2020 1:33:47 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.775 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

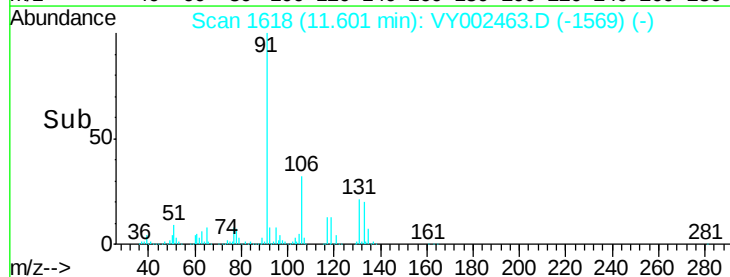
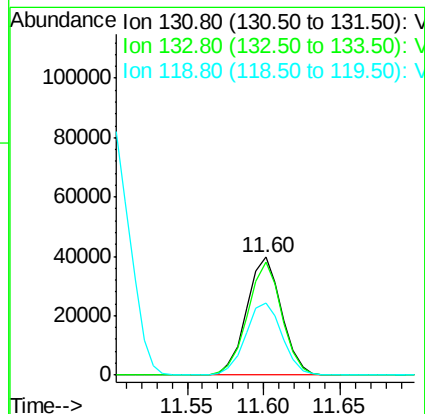
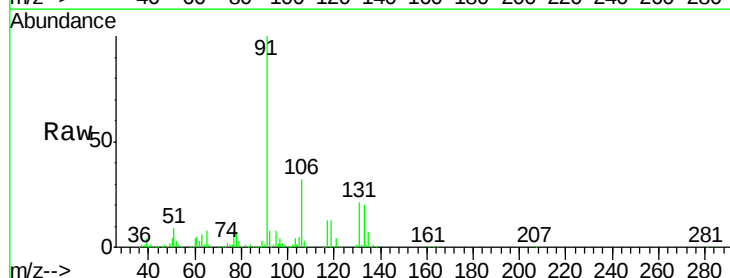
Tgt Ion:131 Resp: 63230

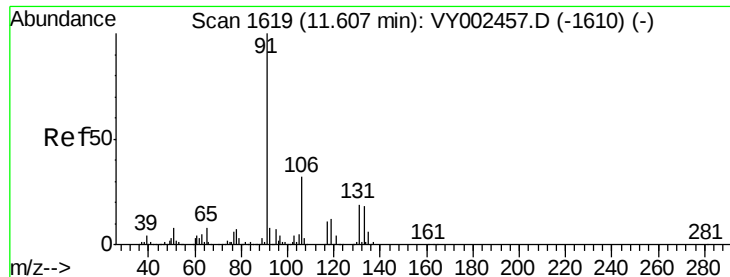
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.4

119 63.5 31.1 93.3





#67

Ethyl Benzene

Concen: 20.317 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 91 Resp: 293717

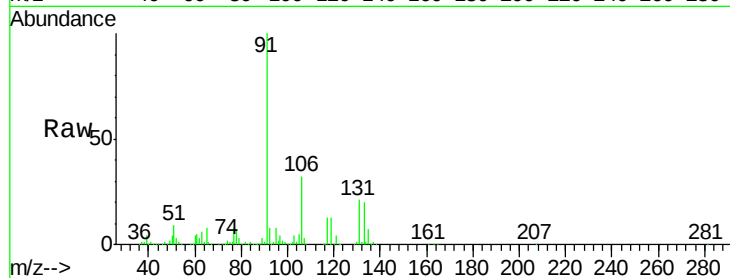
Ion Ratio Lower Upper

91 100

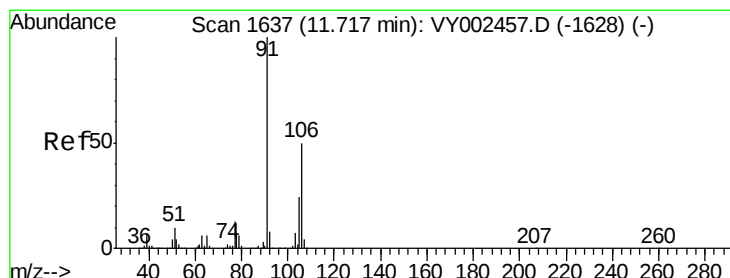
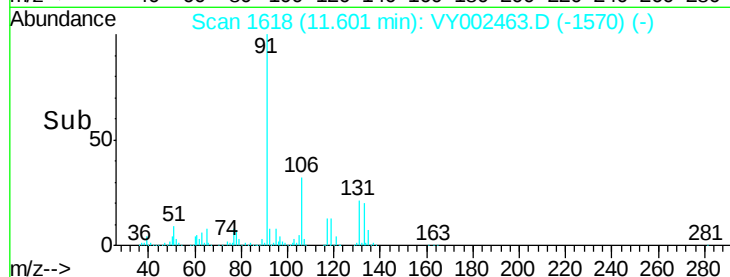
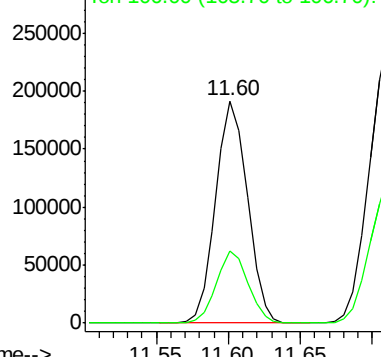
106 32.3 25.8 38.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1610) (-)



#68

m/p-Xylenes

Concen: 40.594 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.01 min

Lab File: VY002463.D

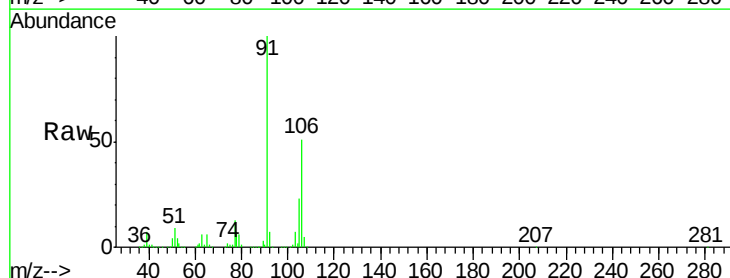
Acq: 23 Apr 2020 16:40

Tgt Ion: 106 Resp: 225917

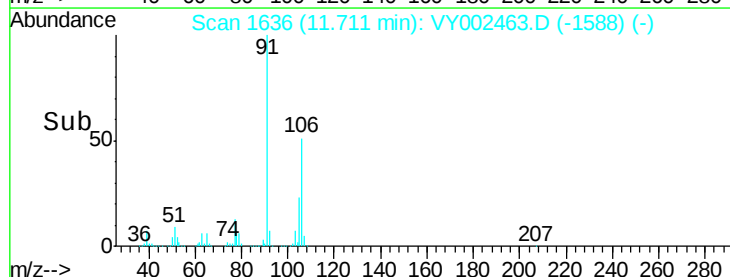
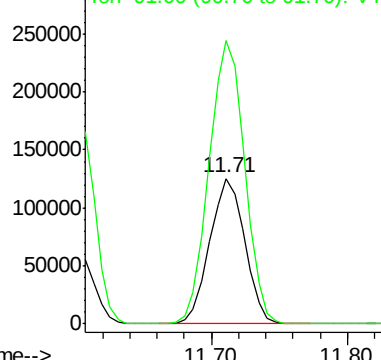
Ion Ratio Lower Upper

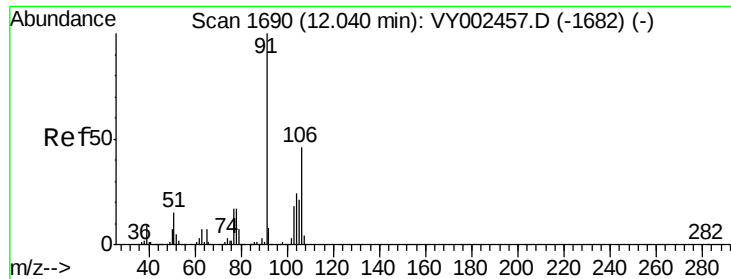
106 100

91 197.6 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VY002457.D (-1628) (-)





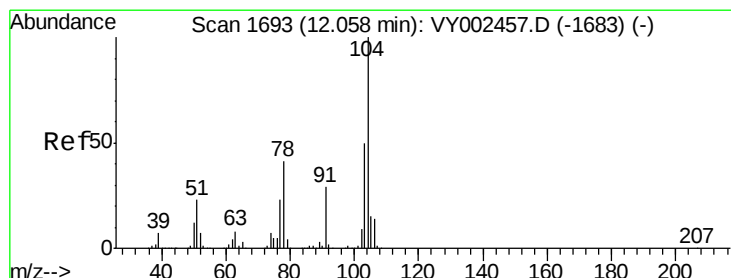
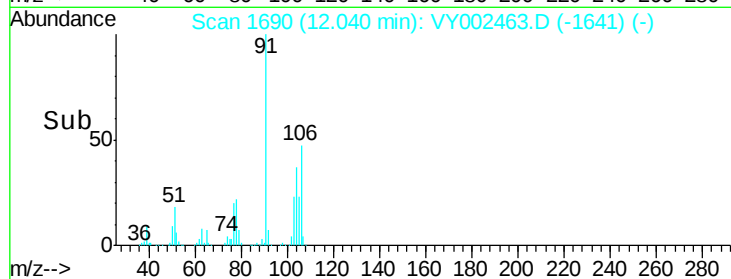
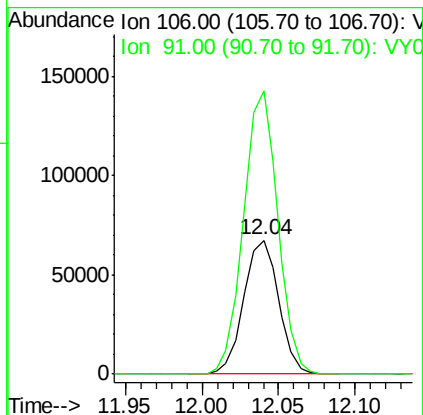
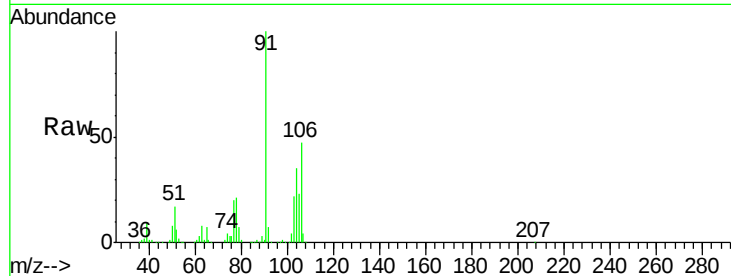
#69
o-Xylene
Concen: 20.780 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		107093		
91	207.7	104.5	313.3		

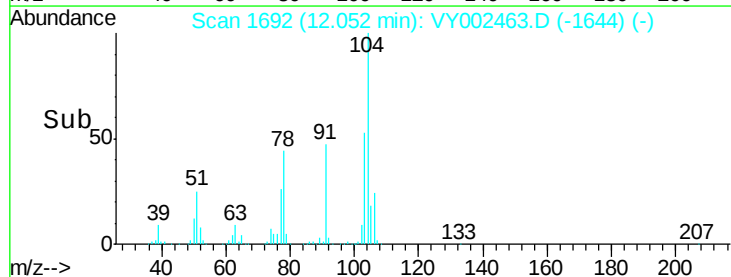
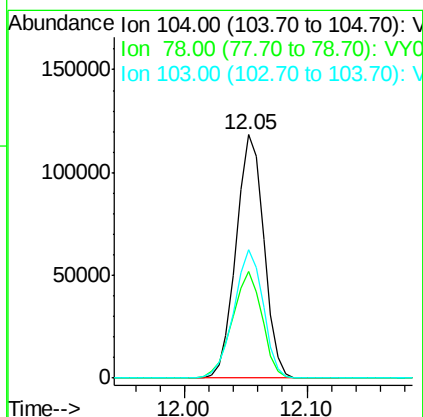
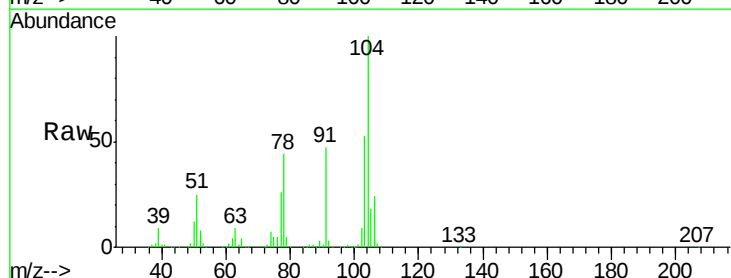
Manual Integrations
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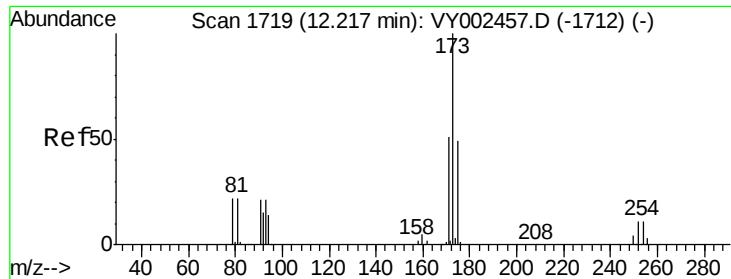
MMDadoda
4/24/2020 1:33:47 PM



#70
Styrene
Concen: 20.714 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		185887		
78	47.0	38.0	57.0		
103	55.6	44.4	66.6		





#71

Bromoform

Concen: 19.876 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

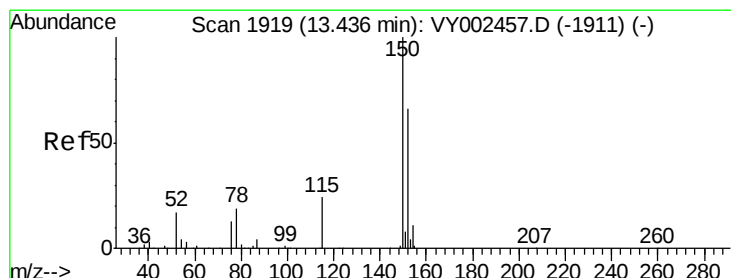
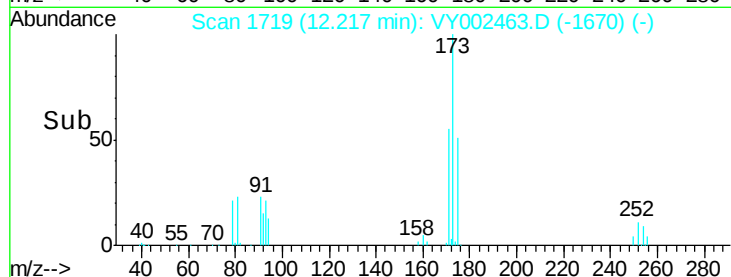
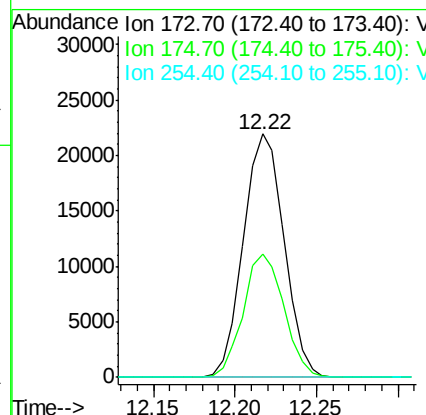
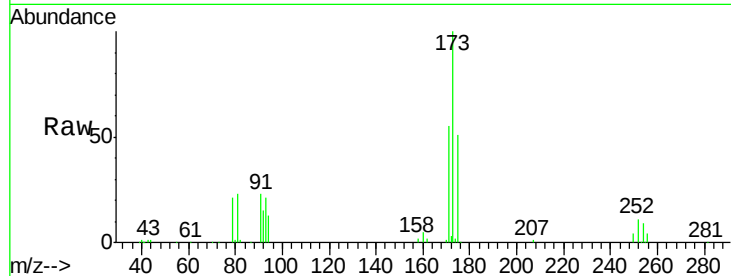
ClientSampleId :

VY0423SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.3	73.0
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

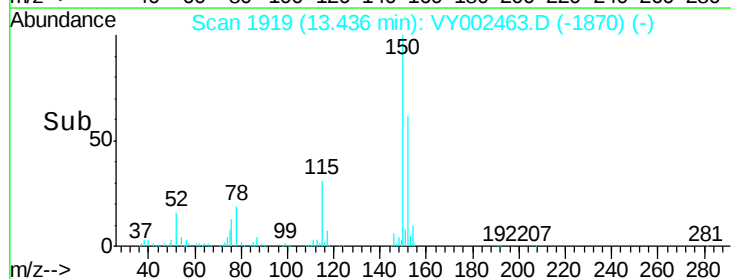
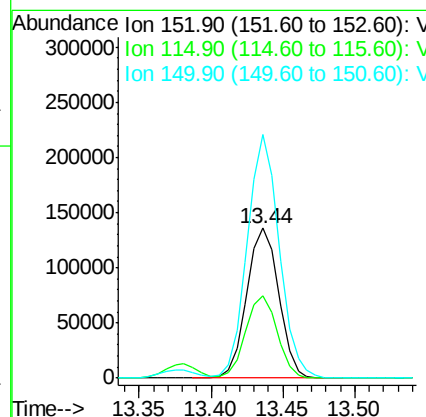
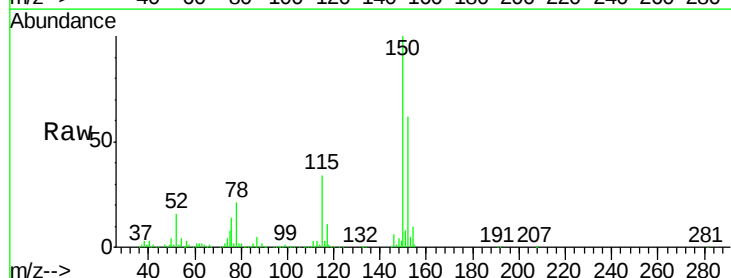
RT: 13.44 min Scan# 1919

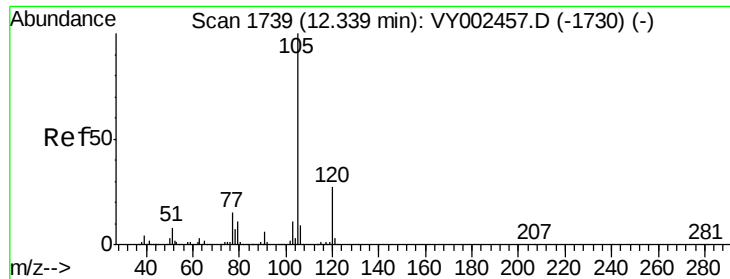
Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.8
150	162.5	0.0	346.8





#73

Isopropylbenzene

Concen: 16.387 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 105 Resp: 228199

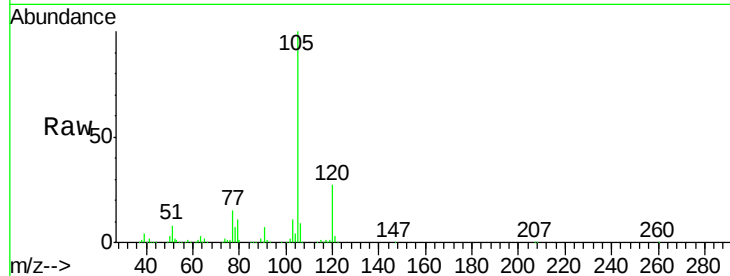
Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

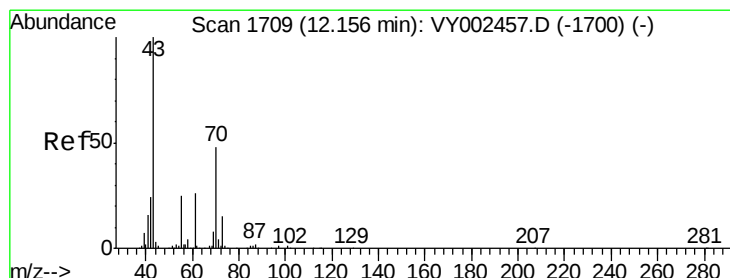
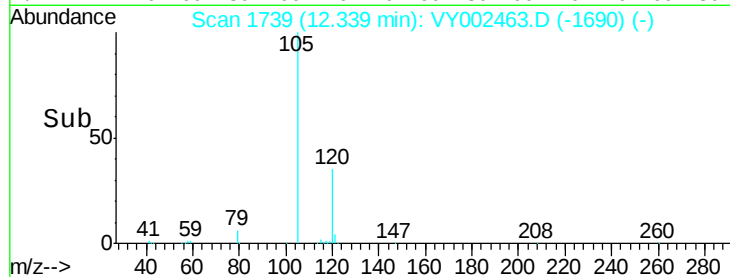
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.601 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion: 43 Resp: 74582

Ion Ratio Lower Upper

43 100

70 46.8 37.2 55.8

55 24.5 19.6 29.4

61 25.6 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

80000

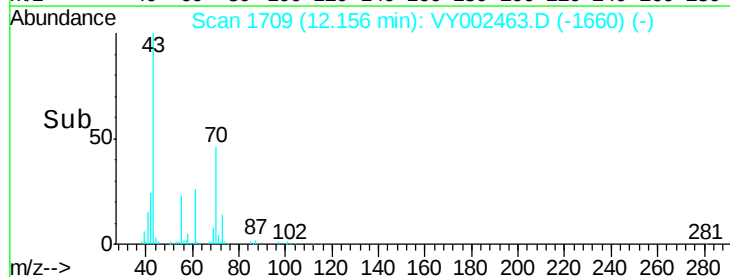
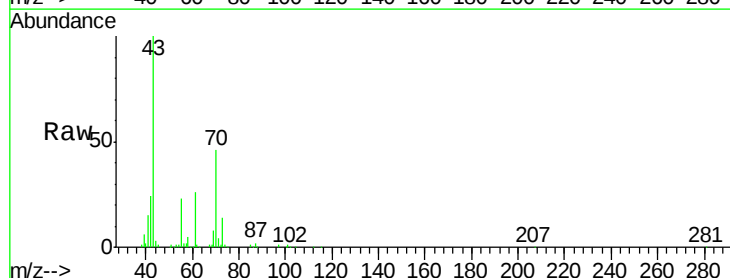
60000

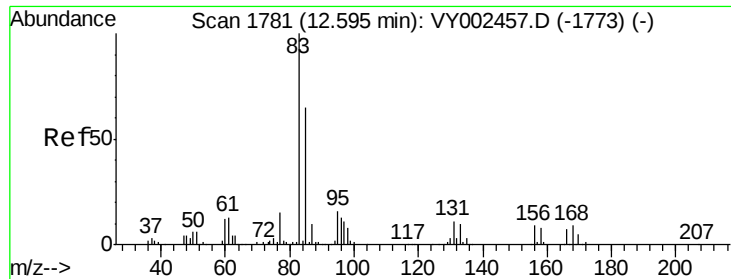
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.990 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

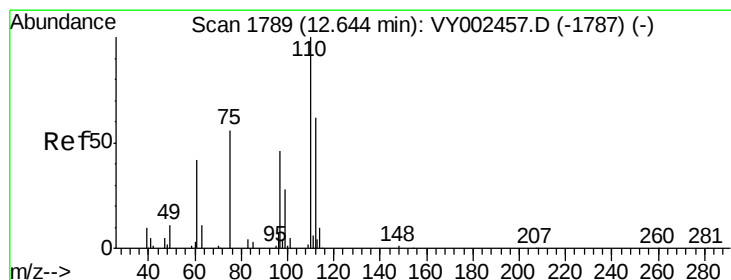
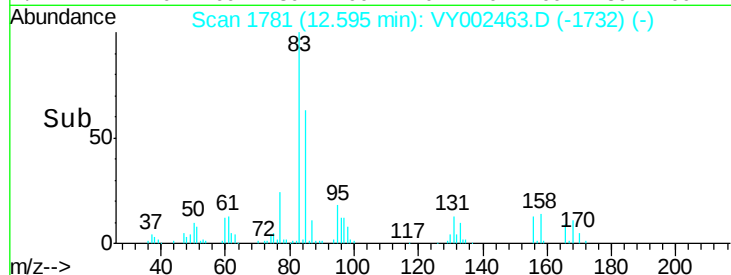
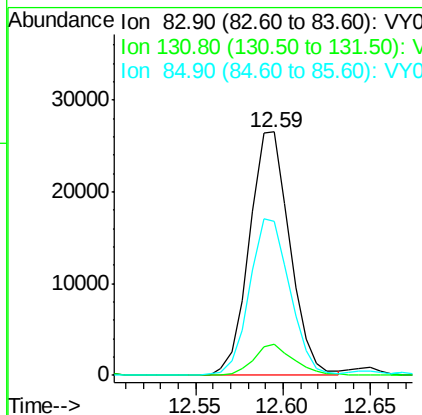
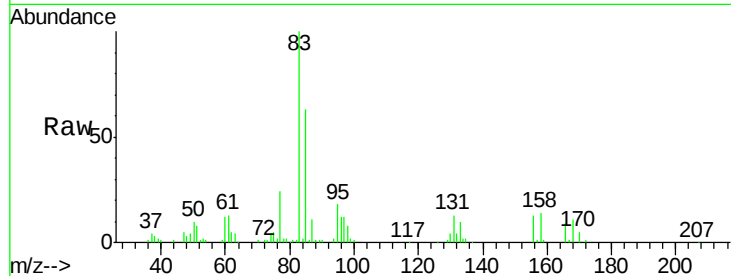
ClientSampleId :

VY0423SBS01

Tot Ion:	83	Resp:	42754
Ion	Ratio	Lower	Upper
83	100		
131	12.5	6.2	18.6
85	64.0	32.5	97.5

Manual Integrations
APPROVED

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4/24/2020 1:33:47 PM



#76

1,2,3-Trichloropropane

Concen: 18.059 ug/l m

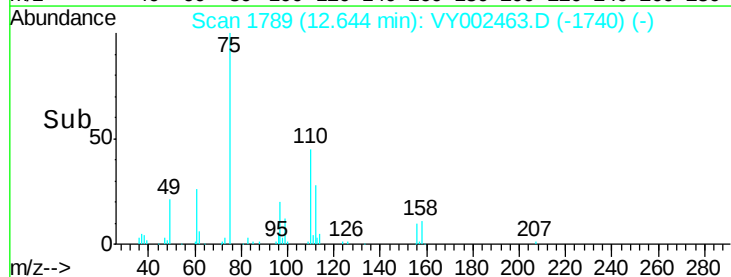
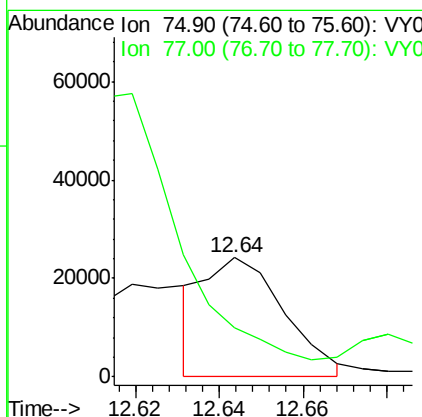
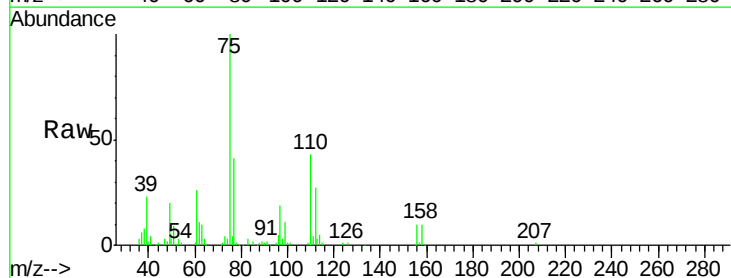
RT: 12.64 min Scan# 1789

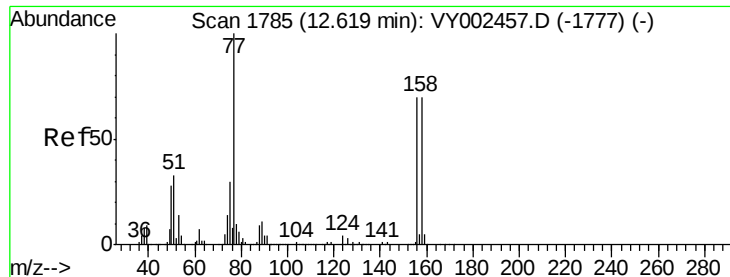
Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	75	Resp:	31882
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.084 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

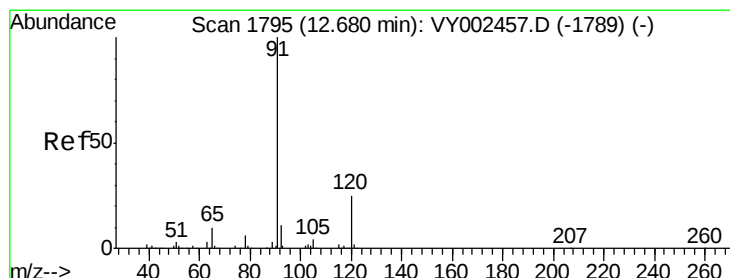
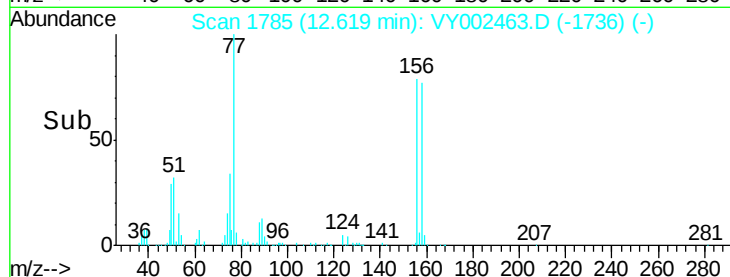
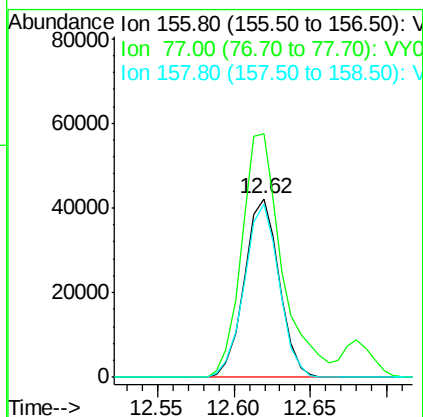
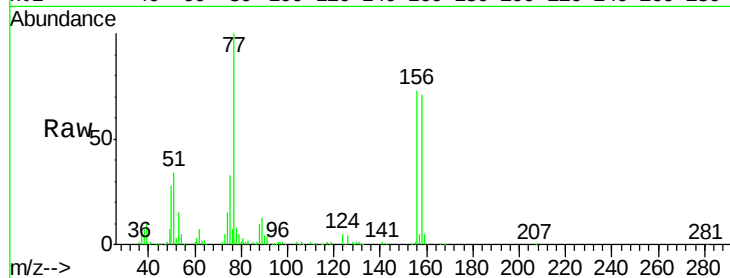
ClientSampleId :

VY0423SBS01

Tot Ion:	156	Resp:	66654
Ion	Ratio	Lower	Upper
156	100		
77	157.7	78.5	235.7
158	96.9	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.899 ug/l

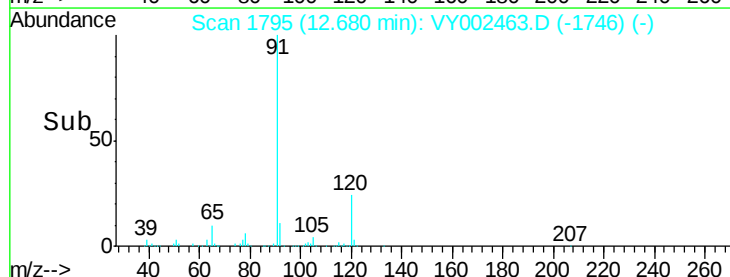
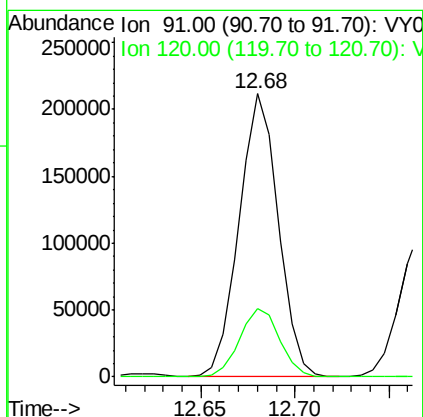
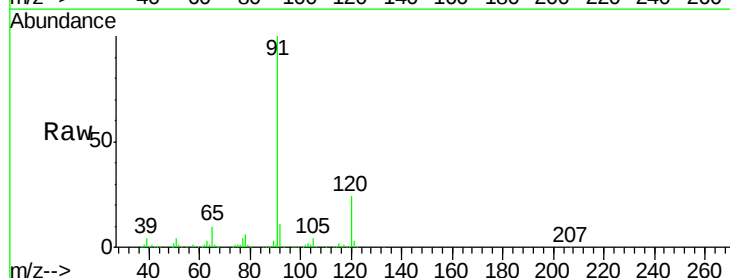
RT: 12.68 min Scan# 1795

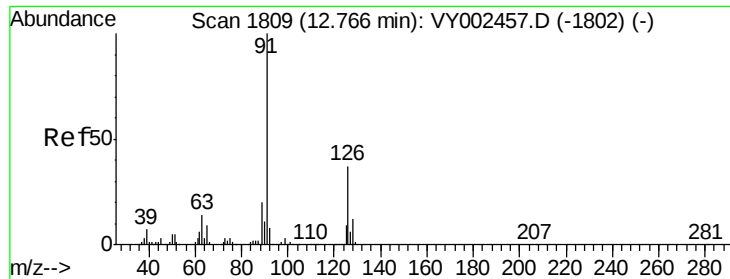
Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	91	Resp:	305584
Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.8





#79

2-Chlorotoluene

Concen: 18.556 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 91 Resp: 164175

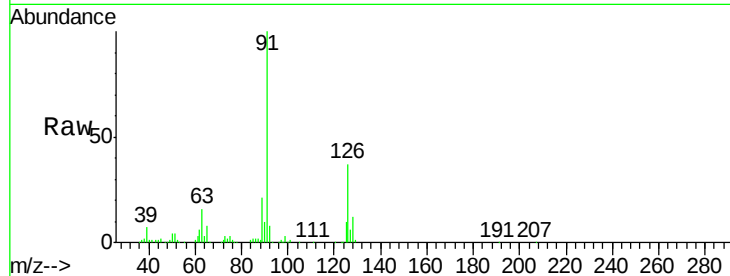
Ion Ratio Lower Upper

91 100

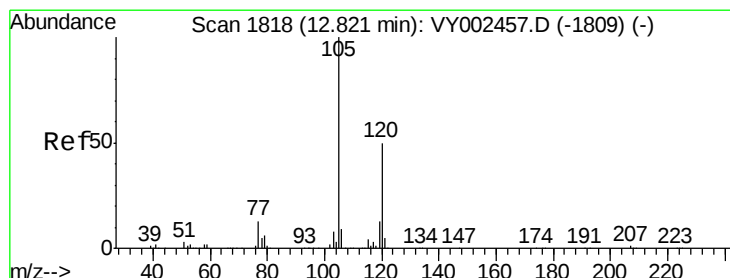
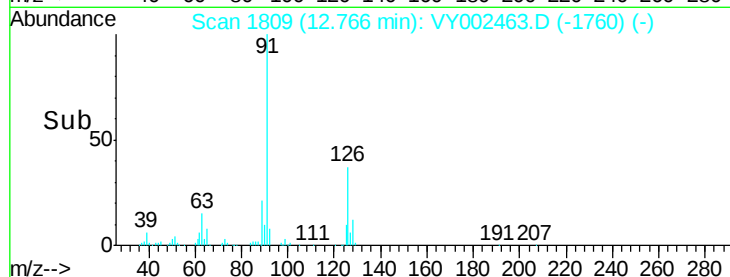
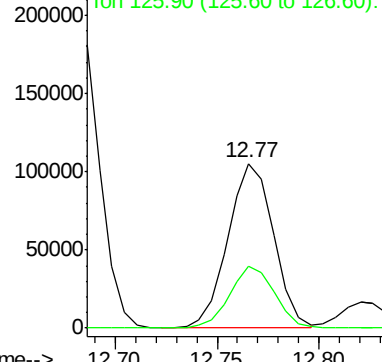
126 36.9 18.5 55.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.420 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002463.D

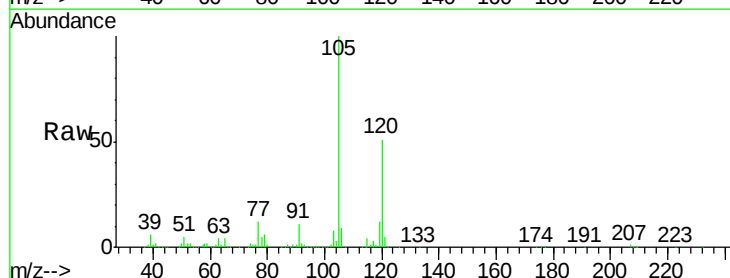
Acq: 23 Apr 2020 16:40

Tgt Ion: 105 Resp: 229536

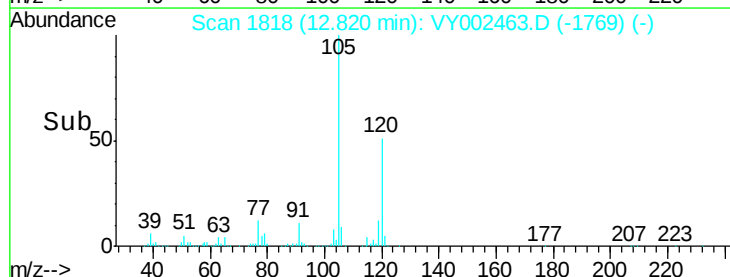
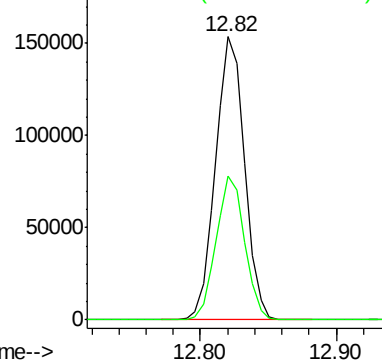
Ion Ratio Lower Upper

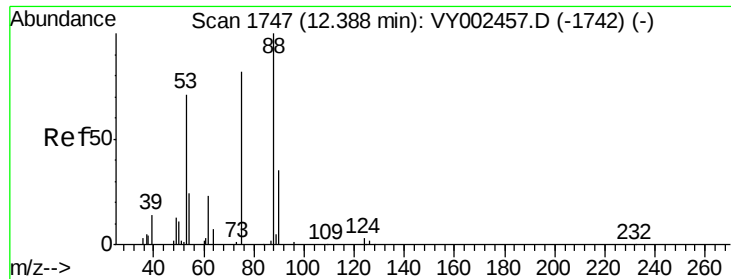
105 100

120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY002457.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.898 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

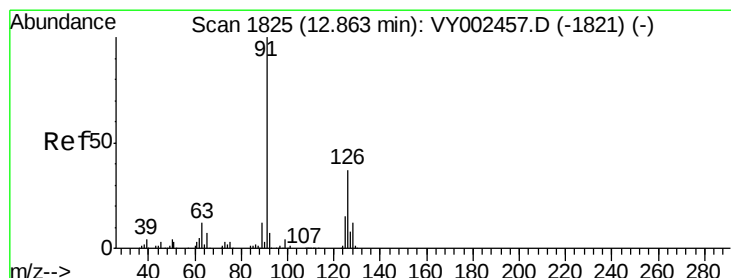
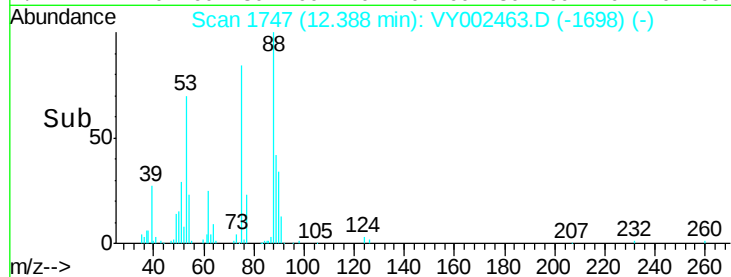
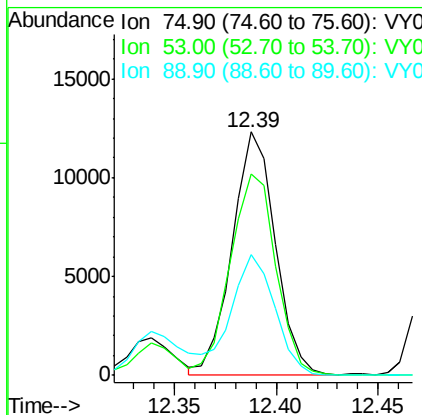
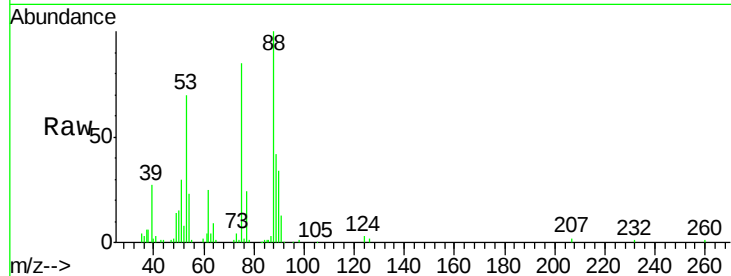
ClientSampleId :

VY0423SBS01

Tot Ion:	75	Resp:	18030
Ion	Ratio	Lower	Upper
75	100		
53	87.9	70.0	105.0
89	50.1	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.988 ug/l

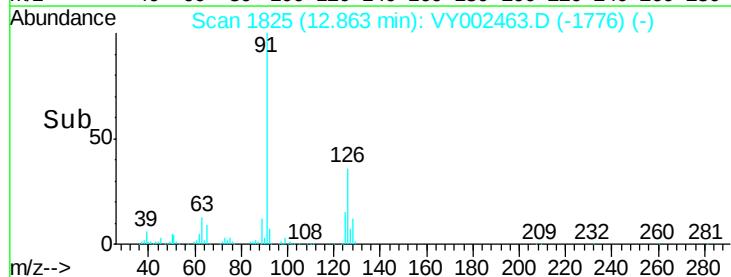
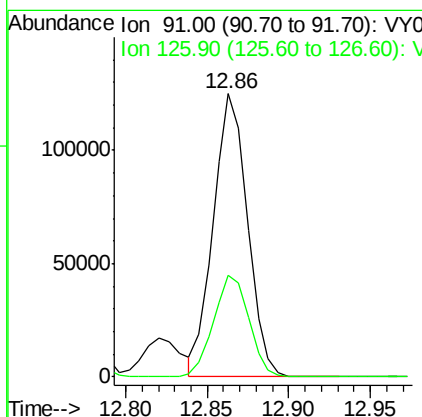
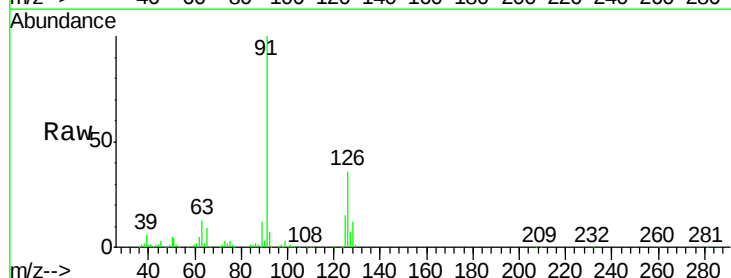
RT: 12.86 min Scan# 1825

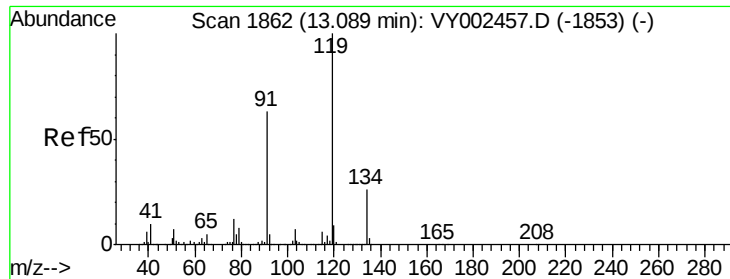
Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	91	Resp:	182776
Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5





#83

tert-Butylbenzene

Concen: 20.194 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

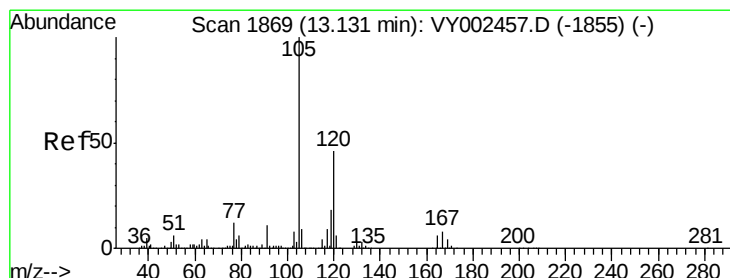
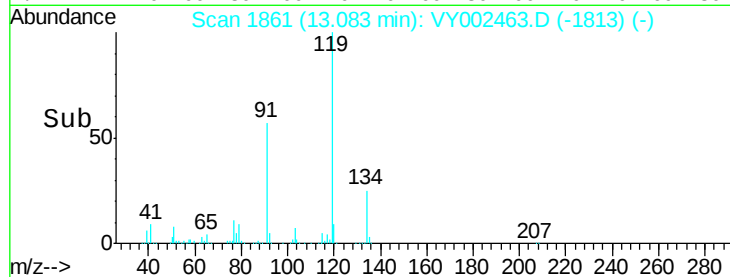
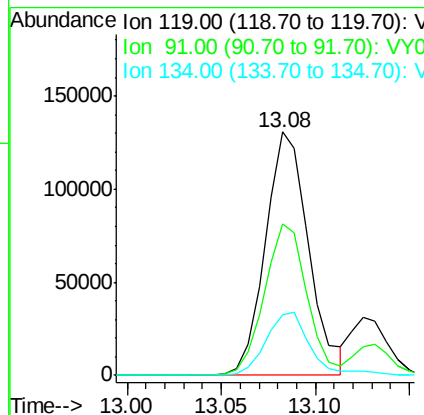
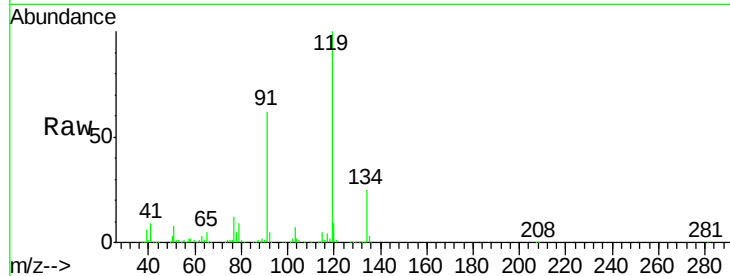
ClientSampleId :

VY0423SBS01

Tot Ion:	119	Resp:	207268
Ion Ratio	Lower	Upper	
119	100		
91	61.3	30.8	92.3
134	26.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 20.581 ug/l

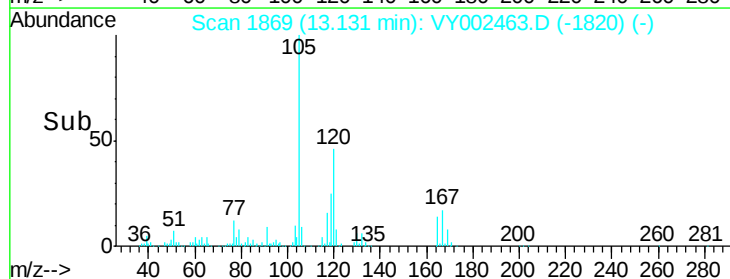
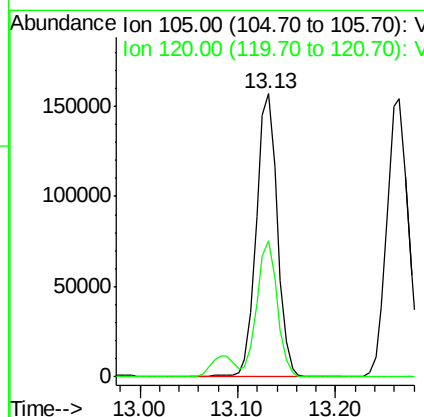
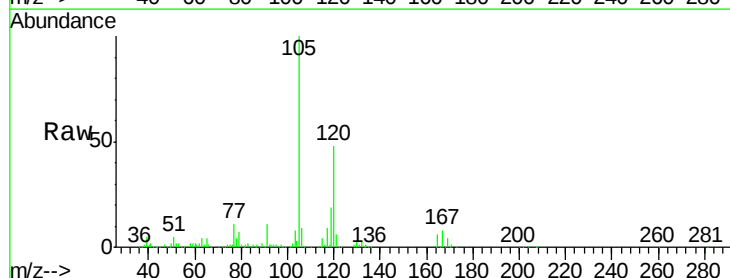
RT: 13.13 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Tgt Ion:	105	Resp:	233391
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 17.055 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:105 Resp: 234387

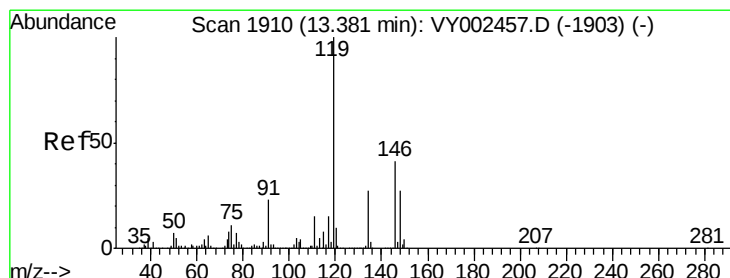
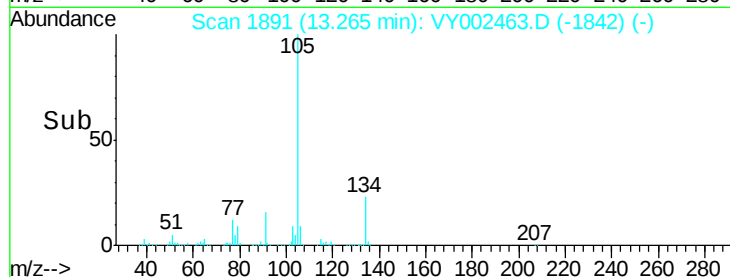
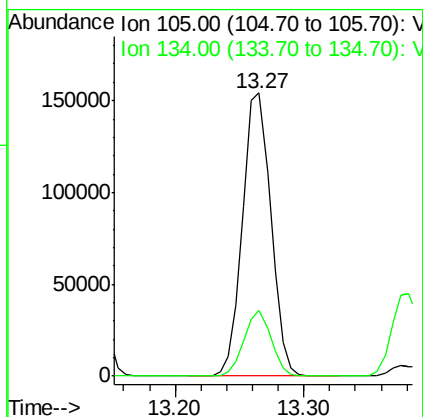
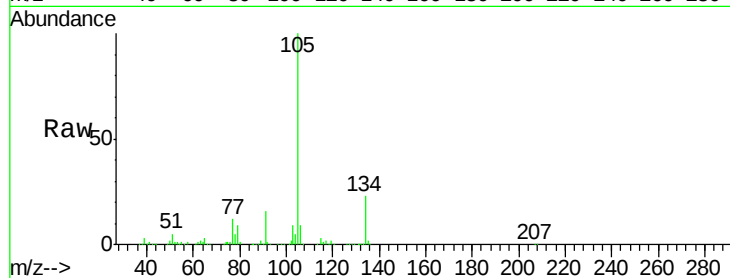
Ion Ratio Lower Upper

105 100

134 22.1 10.8 32.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.831 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002463.D

Acq: 23 Apr 2020 16:40

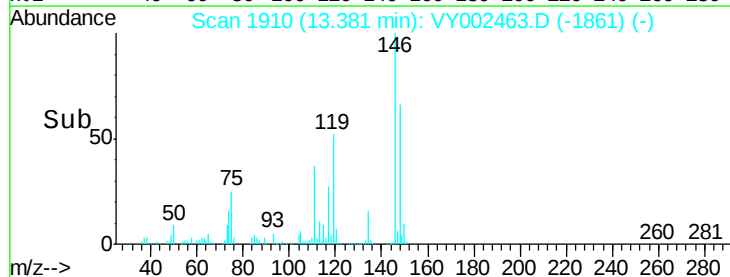
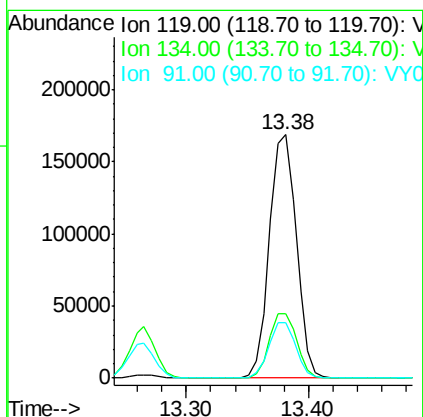
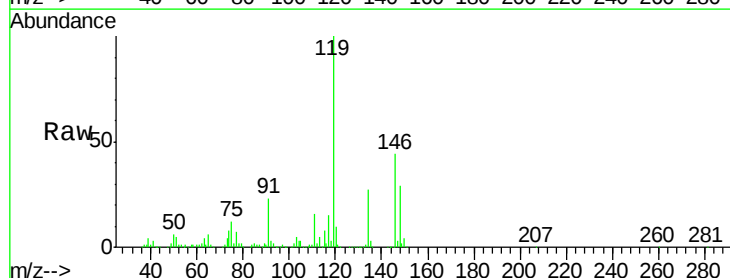
Tgt Ion:119 Resp: 259913

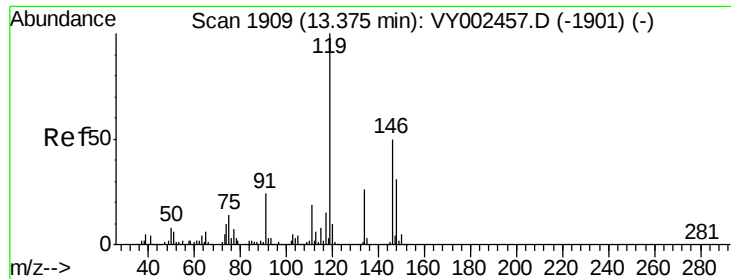
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.6 11.5 34.4





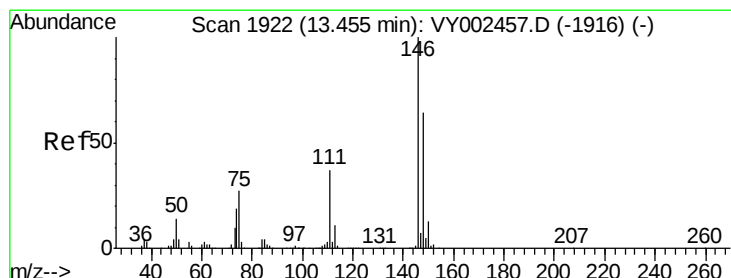
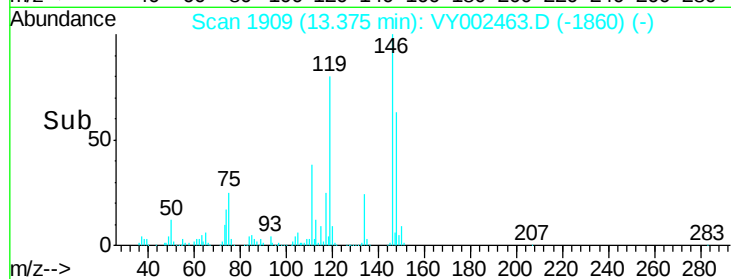
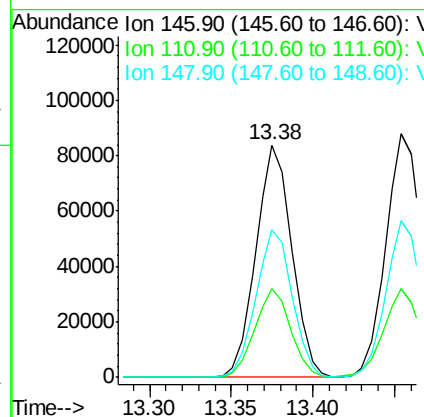
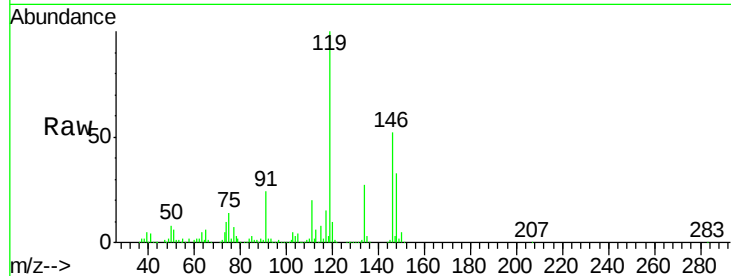
#87
 1,3-Dichlorobenzene
 Concen: 19.858 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128279		
111	37.7	18.8	56.3	
148	64.3	32.0	96.0	

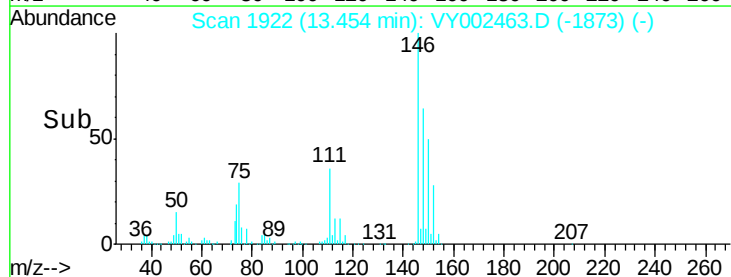
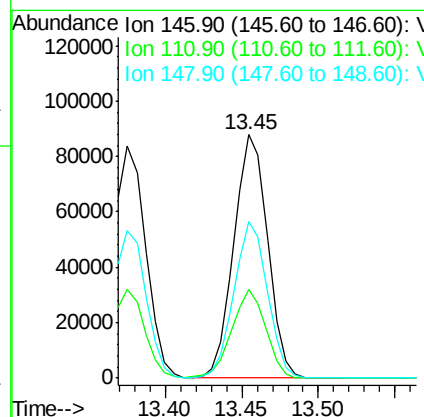
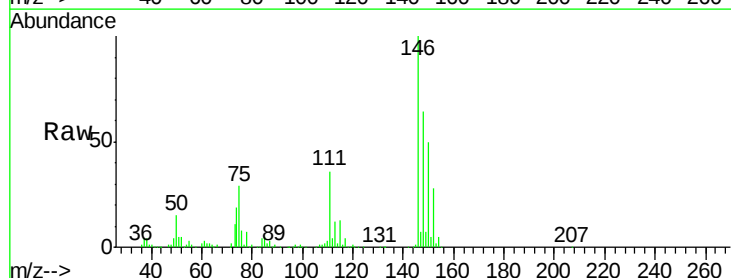
Manual Integrations
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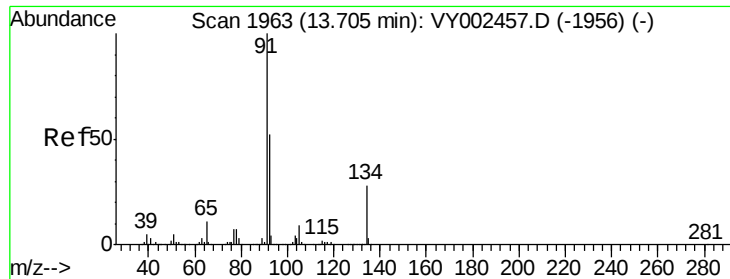
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.890 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134186		
111	36.8	18.1	54.1	
148	63.8	32.1	96.5	





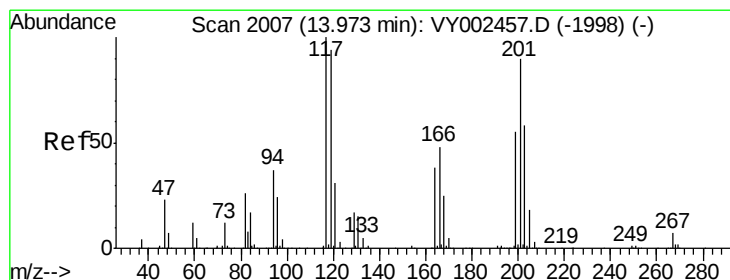
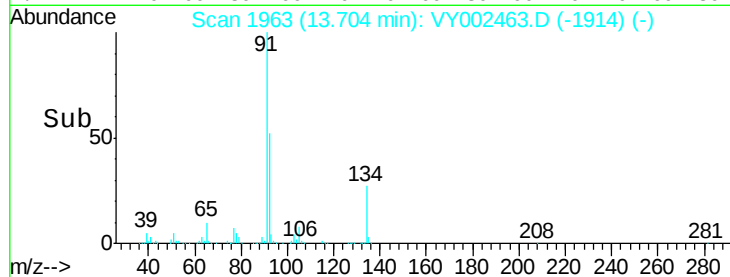
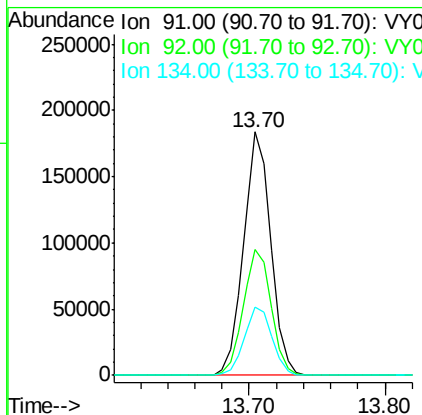
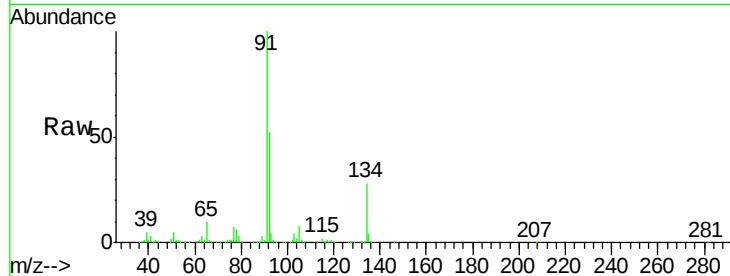
#89
n-Butylbenzene
Concen: 21.188 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.4
134	28.6	14.3	42.9

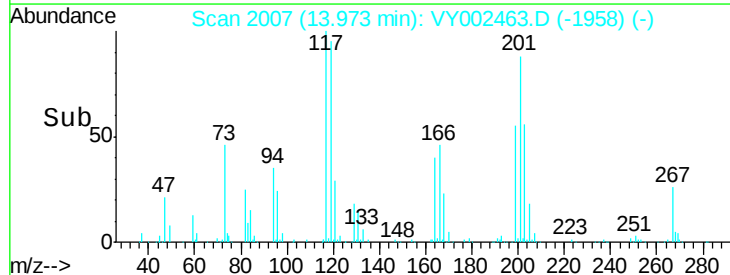
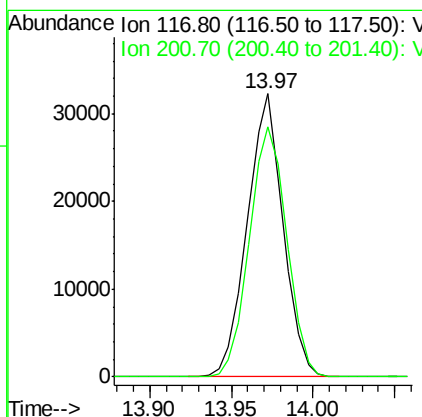
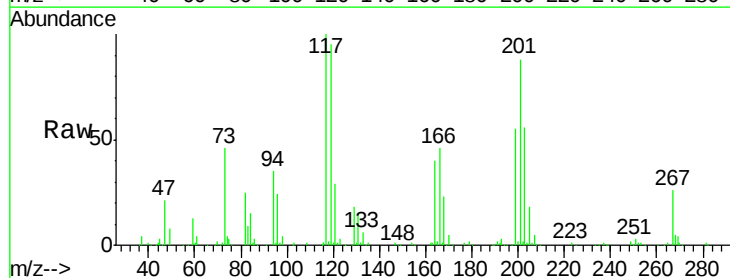
Manual Integrations
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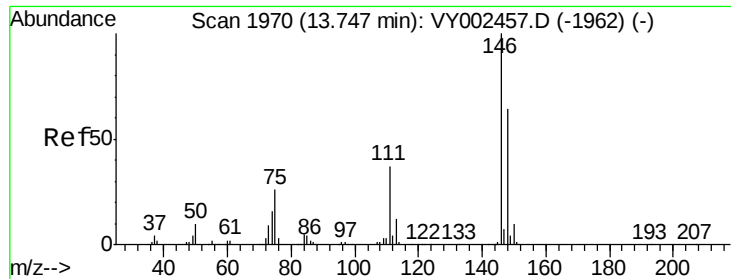
MMDadoda
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#90
Hexachloroethane
Concen: 20.804 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	44.4	133.1





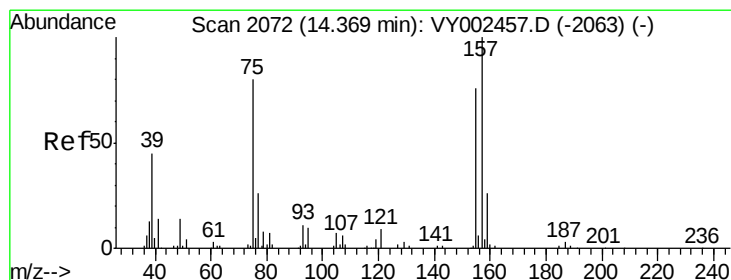
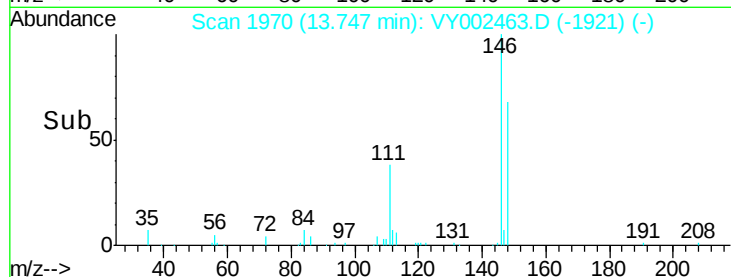
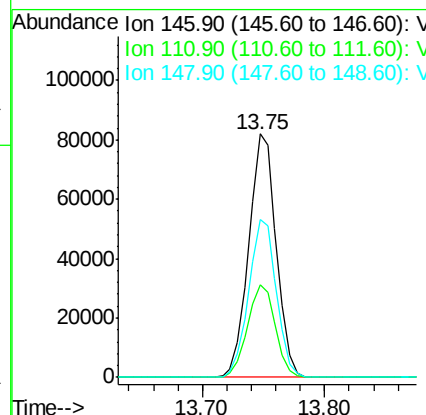
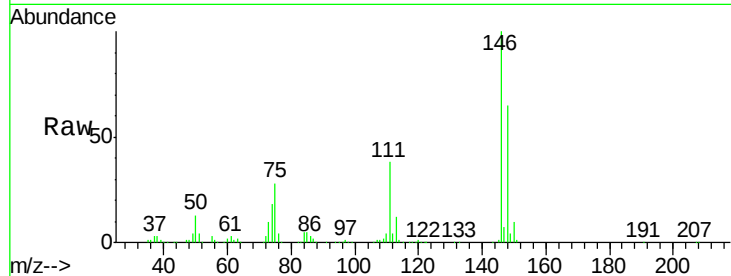
#91
 1,2-Dichlorobenzene
 Concen: 22.949 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	65.5	31.6	94.7

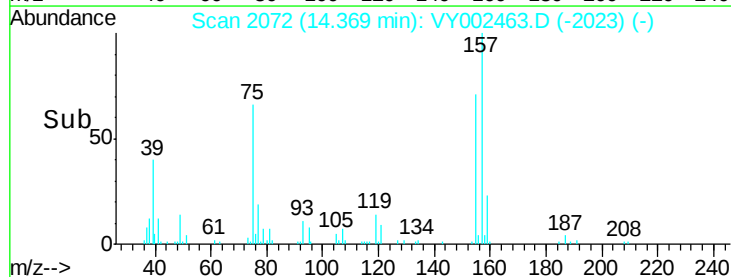
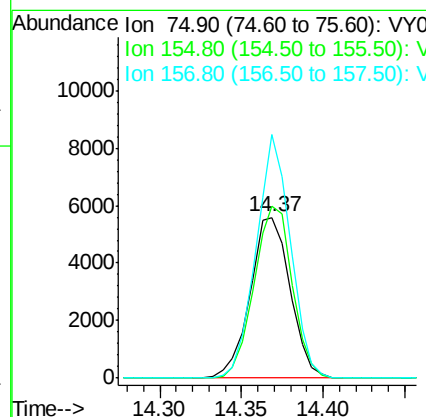
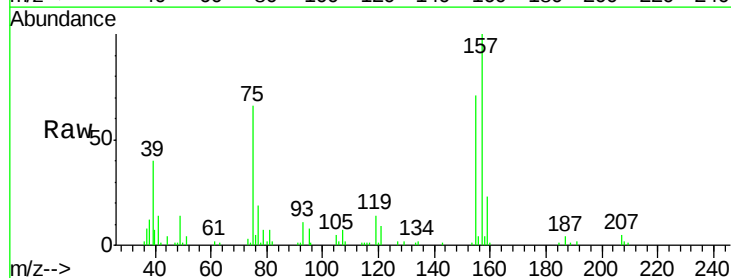
Manual Integrations
 APPROVED

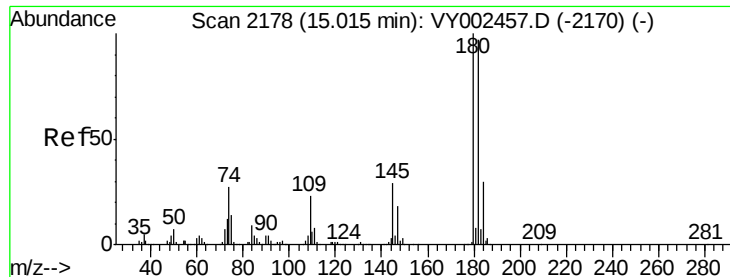
MMDadoda
 4/24/2020 1:33:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.486 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	49.6	149.0
157	130.0	62.6	187.9





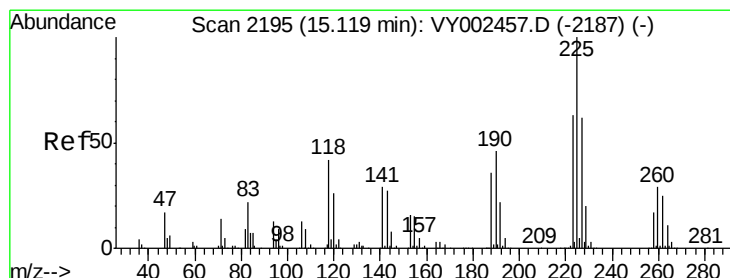
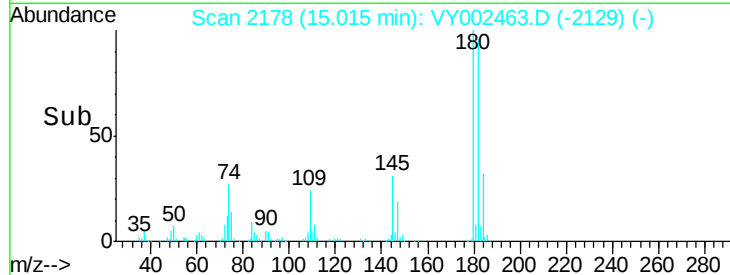
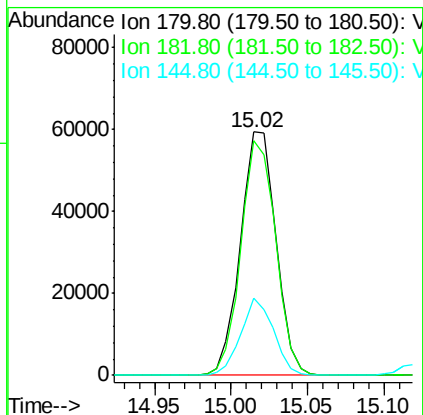
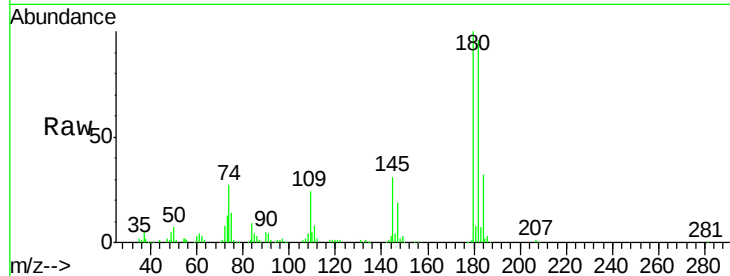
#93
 1,2,4-Trichlorobenzene
 Concen: 21.958 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96411		
182	94.3	47.9	143.7	
145	29.3	14.2	42.6	

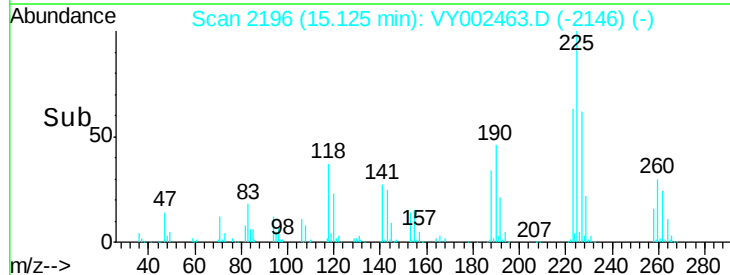
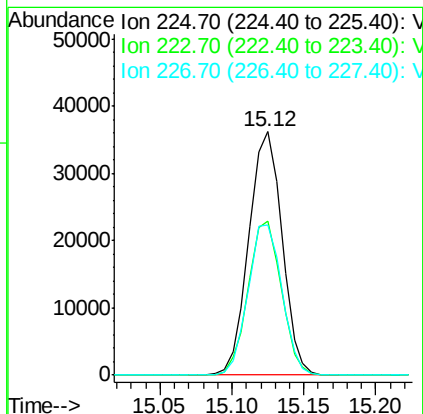
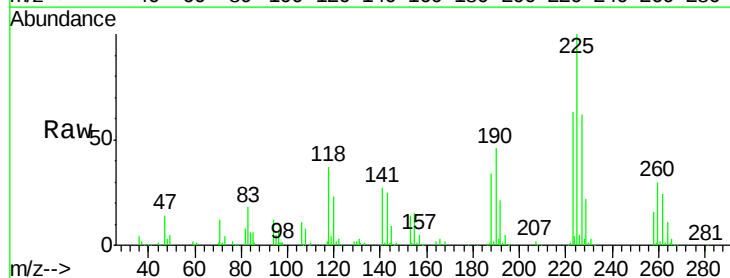
Manual Integrations
 APPROVED

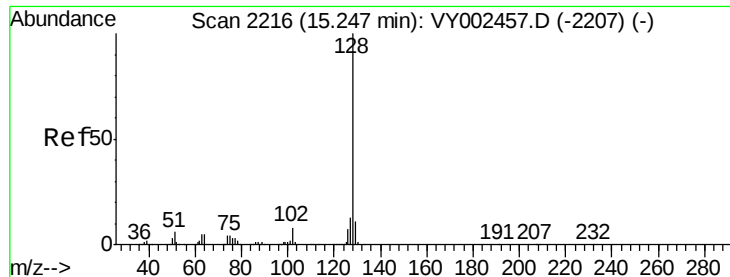
MMDadoda
 4/24/2020 1:33:47 PM



#94
 Hexachlorobutadiene
 Concen: 21.717 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002463.D
 Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57547		
223	63.3	31.1	93.3	
227	63.3	31.5	94.5	





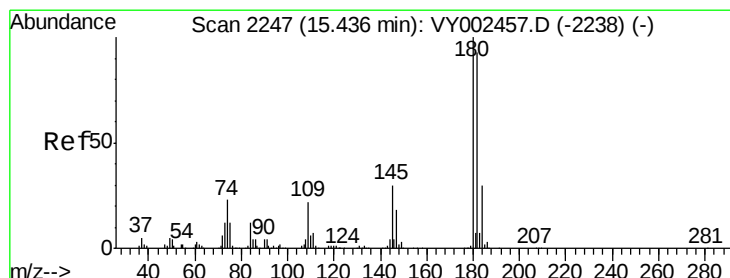
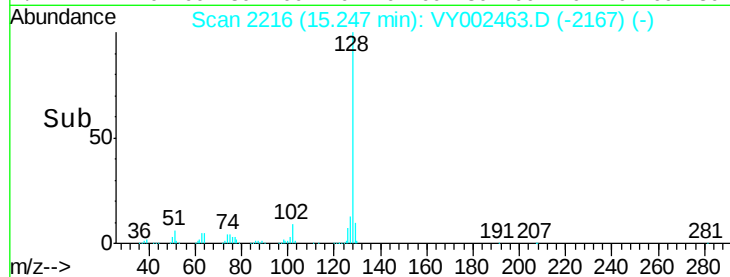
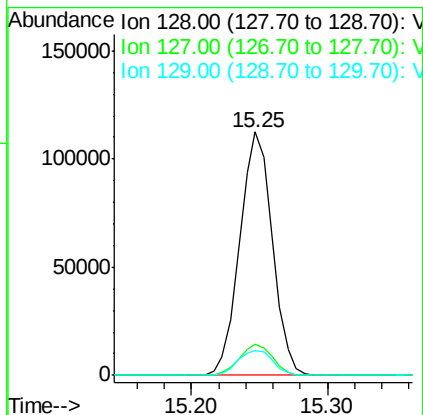
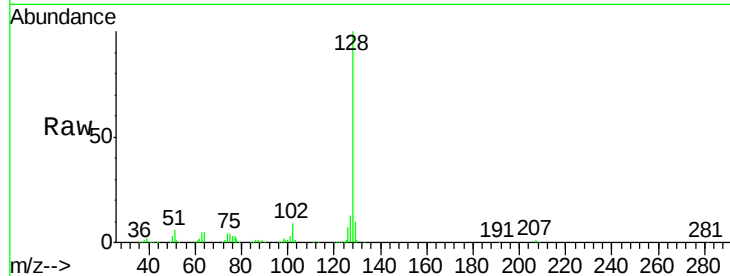
#95
Naphthalene
Concen: 23.136 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	188400		
127	13.0		10.5	15.7
129	11.1		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.253 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002463.D
Acq: 23 Apr 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82874		
182	96.9		47.5	142.6
145	31.4		15.3	45.9

