

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002462.D
 Acq On : 23 Apr 2020 16:18
 Operator : SY/MD
 Sample : VY0423SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:44 PM

Quant Time: Apr 24 02:02:55 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	316582	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	471719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	430973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	219577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	126624	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.74	113	125170	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	10.19	98	478653	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
62) 4-Bromofluorobenzene	12.49	95	163142	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	48660	20.988	ug/l	96
3) Chloromethane	2.12	50	62104	21.053	ug/l	98
4) Vinyl Chloride	2.26	62	54666	25.796	ug/l	98
5) Bromomethane	2.65	94	26651	22.408	ug/l	92
6) Chloroethane	2.80	64	22788	22.148	ug/l	97
7) Trichlorofluoromethane	3.14	101	88432	23.013	ug/l	99
8) Diethyl Ether	3.55	74	35836	22.625	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	58221	22.011	ug/l	100
10) Methyl Iodide	4.11	142	83005	20.341	ug/l	98
11) Tert butyl alcohol	4.99	59	31020	119.110	ug/l	99
12) 1,1-Dichloroethene	3.89	96	58469	21.574	ug/l	96
13) Acrolein	3.75	56	21521	103.230	ug/l	98
14) Allyl chloride	4.50	41	85934	21.577	ug/l	97
15) Acrylonitrile	5.20	53	84438	111.418	ug/l	98
16) Acetone	3.97	43	66593	115.160	ug/l	99
17) Carbon Disulfide	4.22	76	172605	20.425	ug/l	99
18) Methyl Acetate	4.50	43	41213	22.148	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	159289	21.782	ug/l	99
20) Methylene Chloride	4.74	84	67790	20.533	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	63736	20.889	ug/l	96
22) Diisopropyl ether	6.14	45	171819	21.819	ug/l	95
23) Vinyl Acetate	6.09	43	555534	111.022	ug/l	100
24) 1,1-Dichloroethane	6.05	63	101494	21.288	ug/l	100
25) 2-Butanone	7.01	43	101924	115.050	ug/l	96
26) 2,2-Dichloropropane	7.00	77	93738	20.559	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	69990	21.090	ug/l	97
28) Bromochloromethane	7.36	49	40346	21.692	ug/l	100
29) Tetrahydrofuran	7.37	42	67695	115.254	ug/l	97
30) Chloroform	7.53	83	105978	20.877	ug/l	94
31) Cyclohexane	7.80	56	95582	20.049	ug/l #	93
32) 1,1,1-Trichloroethane	7.72	97	99510	20.746	ug/l	99
36) 1,1-Dichloropropene	7.94	75	82460	20.387	ug/l	98
37) Ethyl Acetate	7.10	43	45351	22.318	ug/l	99
38) Carbon Tetrachloride	7.92	117	93286	20.056	ug/l	100

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 APPROVED

MMDadoda
 4/24/2020 1:33:44 PM

Quant Time: Apr 24 02:02:55 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	105157	19.930	ug/l	99
40) Benzene	8.17	78	243516	20.830	ug/l	98
41) Methacrylonitrile	7.35	41	28799m	23.004	ug/l	
42) 1,2-Dichloroethane	8.25	62	69908	20.585	ug/l	99
43) Isopropyl Acetate	8.29	43	83772	22.042	ug/l	99
44) Trichloroethene	8.96	130	74842	20.474	ug/l	99
45) 1,2-Dichloropropane	9.23	63	56321	20.903	ug/l	100
46) Dibromomethane	9.32	93	34278	21.745	ug/l	100
47) Bromodichloromethane	9.51	83	82225	20.858	ug/l	97
48) Methyl methacrylate	9.31	41	38045	21.928	ug/l	97
49) 1,4-Dioxane	9.31	88	8391	417.676	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	218466	110.668	ug/l	100
52) Toluene	10.25	92	154404	20.518	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	88016	21.260	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	99190	20.933	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	48636	20.867	ug/l	97
56) Ethyl methacrylate	10.52	69	68203	21.415	ug/l	100
57) 1,3-Dichloropropane	10.80	76	84434	21.457	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	166928	108.389	ug/l	99
59) 2-Hexanone	10.85	43	151873	110.373	ug/l	100
60) Dibromochloromethane	11.00	129	64831	21.228	ug/l	99
61) 1,2-Dibromoethane	11.10	107	49037	21.217	ug/l	99
64) Tetrachloroethene	10.73	164	79656	20.167	ug/l	98
65) Chlorobenzene	11.53	112	171661	20.661	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	64361	20.645	ug/l	100
67) Ethyl Benzene	11.60	91	301679	20.373	ug/l	99
68) m/p-Xylenes	11.71	106	228663	40.114	ug/l	100
69) o-Xylene	12.04	106	111075	21.042	ug/l	99
70) Styrene	12.05	104	189277	20.592	ug/l	99
71) Bromoform	12.22	173	41177	20.967	ug/l #	98
73) Isopropylbenzene	12.34	105	300150	20.447	ug/l	99
74) N-amyl acetate	12.15	43	75694	21.760	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48575	21.545	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	38288m	20.573	ug/l	
77) Bromobenzene	12.62	156	76163	20.687	ug/l	99
78) n-propylbenzene	12.68	91	344554	20.215	ug/l	100
79) 2-Chlorotoluene	12.77	91	189279	20.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	252804	20.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21385	21.264	ug/l	95
82) 4-Chlorotoluene	12.86	91	198558	20.599	ug/l	99
83) tert-Butylbenzene	13.08	119	223867	20.691	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	251966	21.079	ug/l	99
85) sec-Butylbenzene	13.27	105	301860	20.836	ug/l	99
86) p-Isopropyltoluene	13.38	119	284315	20.579	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	143231	21.034	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	140857	20.803	ug/l	99
89) n-Butylbenzene	13.70	91	257009	20.165	ug/l	99
90) Hexachloroethane	13.97	117	50645	20.281	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	127979	21.824	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9555	21.347	ug/l	96

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Instrument :
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ClientSampleId :
VY0423SBS01

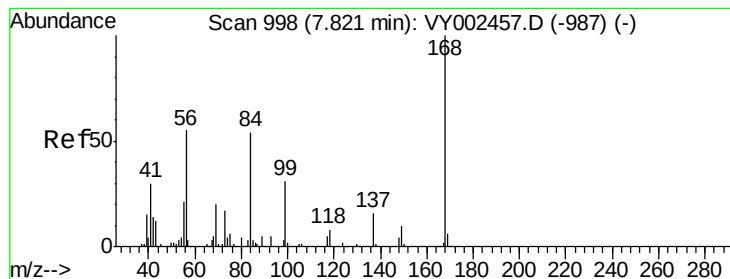
Manual Integrations
APPROVED

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4/24/2020 1:33:44 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
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	96359	20.820	ug/l	98
94) Hexachlorobutadiene	15.12	225	57452	20.568	ug/l	100
95) Naphthalene	15.25	128	182245	21.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	82511	21.018	ug/l	100

(#) = 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: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:168 Resp: 316582

Ion Ratio Lower Upper

168 100

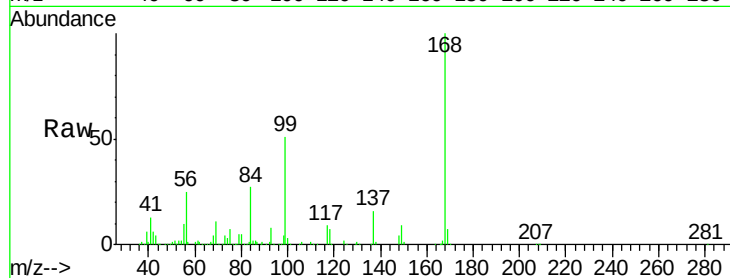
99 51.1 39.7 59.5

Manual Integrations

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4/24/2020 1:33:44 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

150000

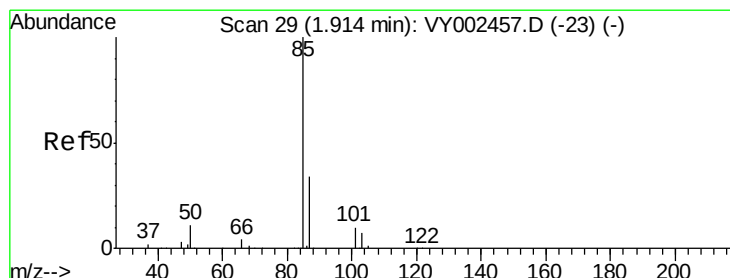
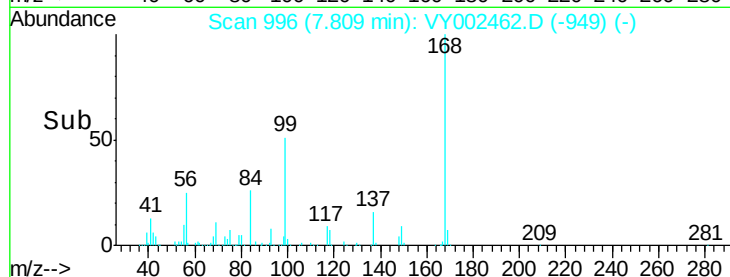
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.988 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002462.D

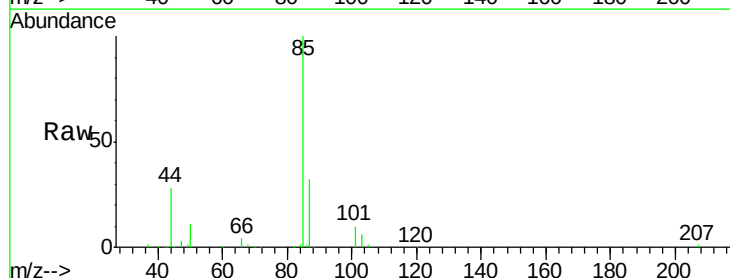
Acq: 23 Apr 2020 16:18

Tgt Ion: 85 Resp: 48660

Ion Ratio Lower Upper

85 100

87 31.9 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002457.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY002457.D (-23) (-)

1.91

30000

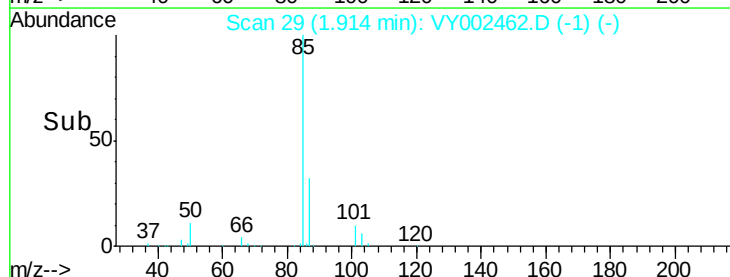
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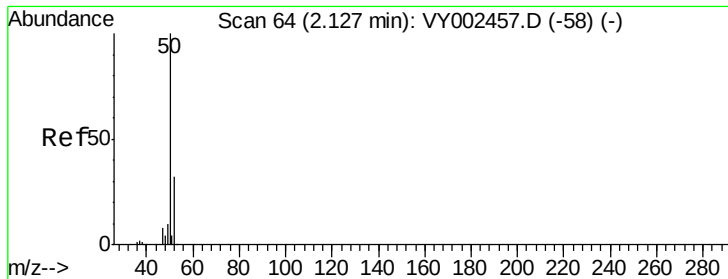
10000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.053 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 50 Resp: 62104

Ion Ratio Lower Upper

50 100

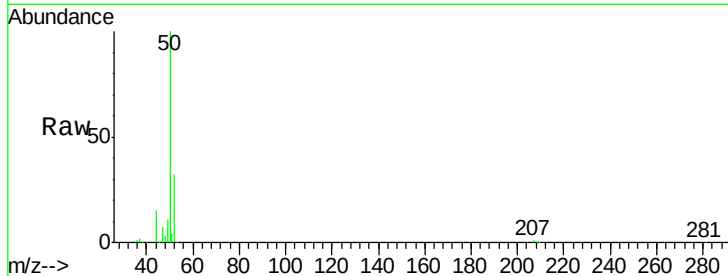
52 32.3 25.2 37.8

Manual Integrations

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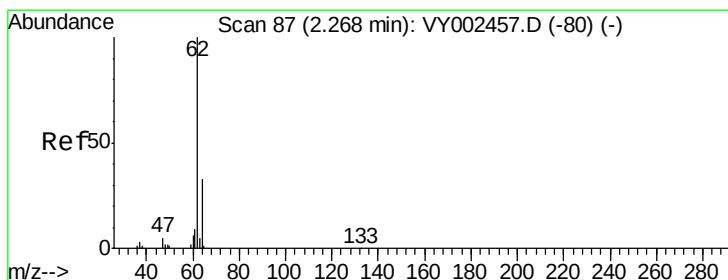
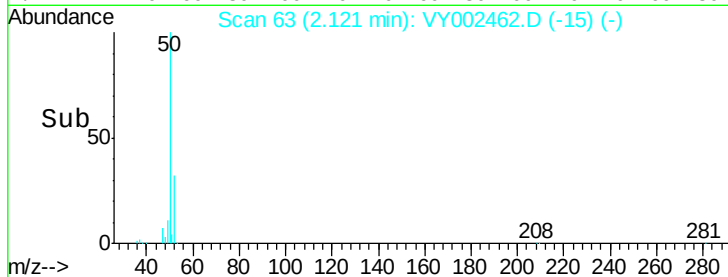
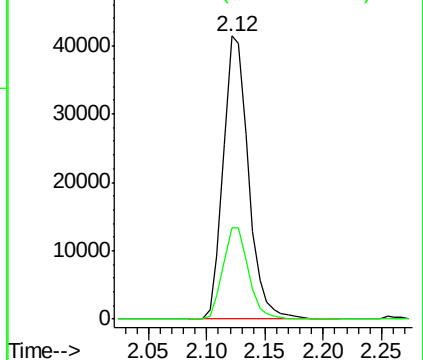
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 25.796 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002462.D

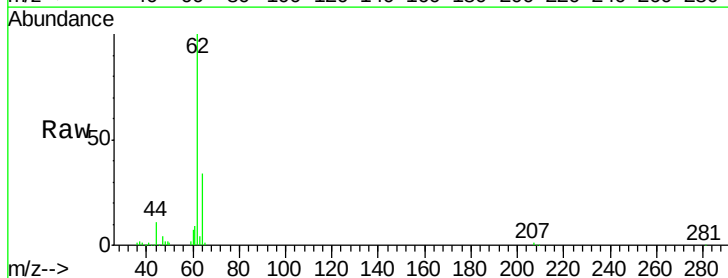
Acq: 23 Apr 2020 16:18

Tgt Ion: 62 Resp: 54666

Ion Ratio Lower Upper

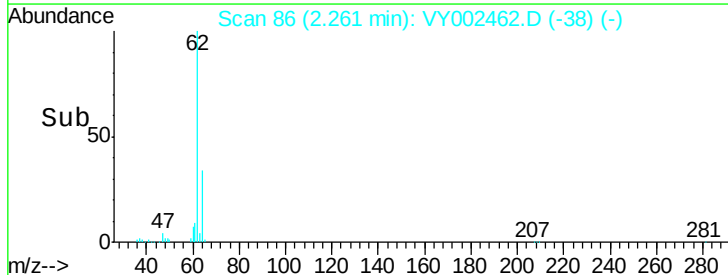
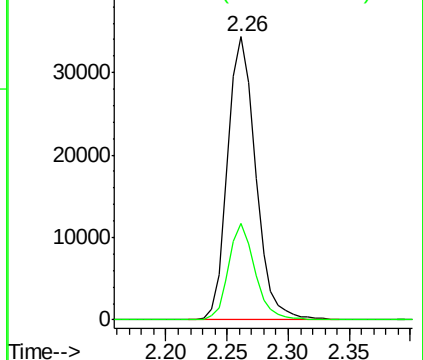
62 100

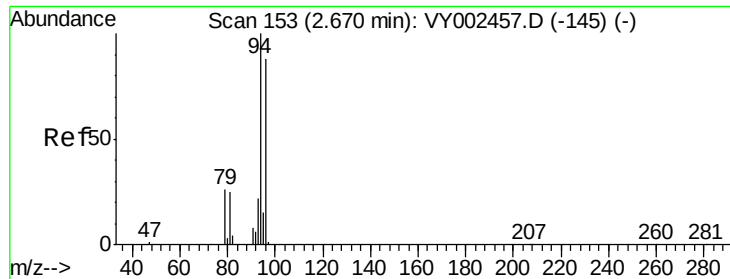
64 34.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.408 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.02 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 94 Resp: 26651

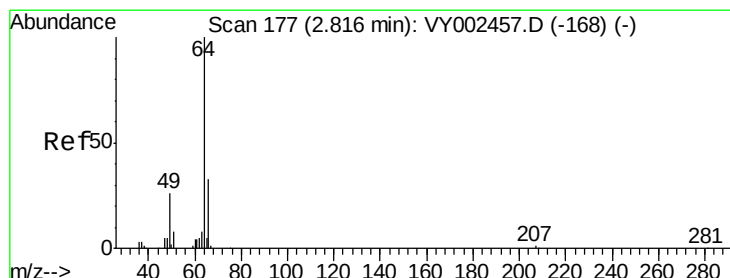
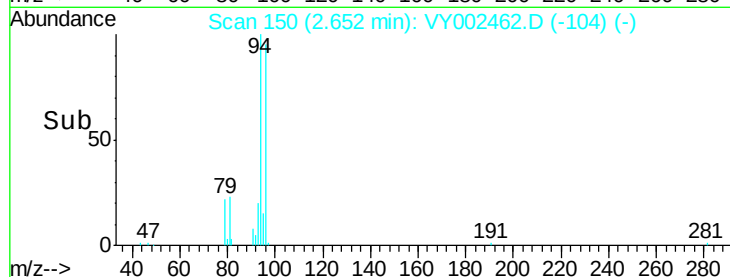
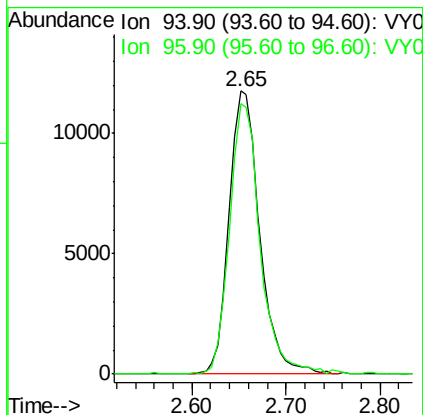
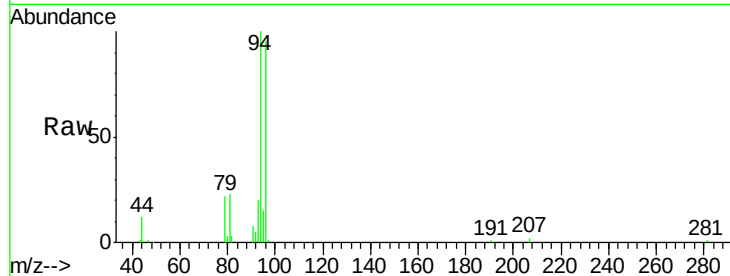
Ion Ratio Lower Upper

94 100

96 95.5 70.2 105.4

Manual Integrations
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#6

Chloroethane

Concen: 22.148 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002462.D

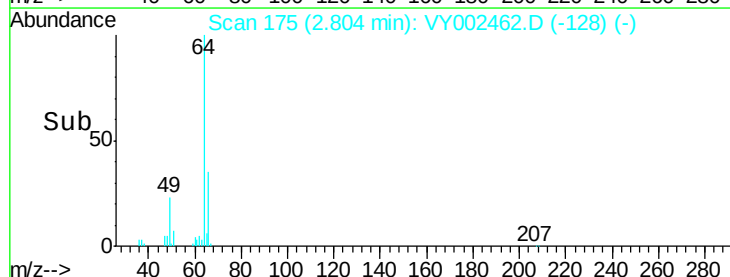
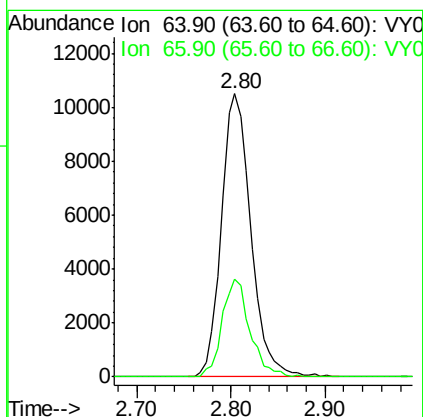
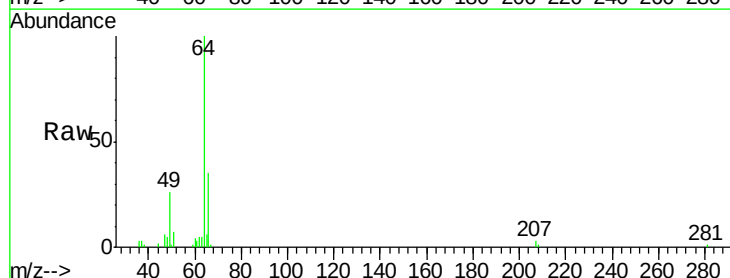
Acq: 23 Apr 2020 16:18

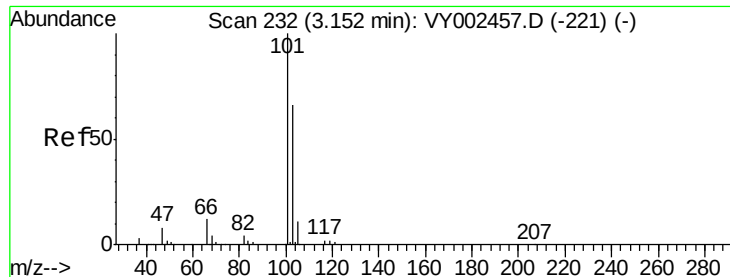
Tgt Ion: 64 Resp: 22788

Ion Ratio Lower Upper

64 100

66 34.7 26.6 40.0





#7

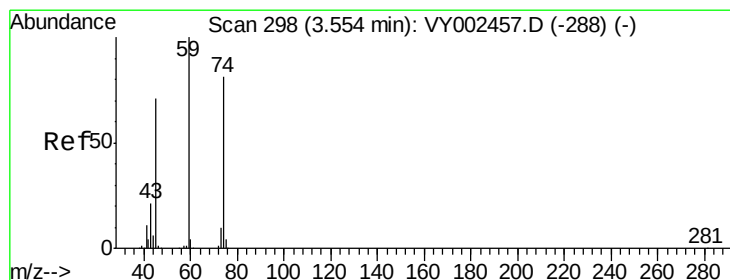
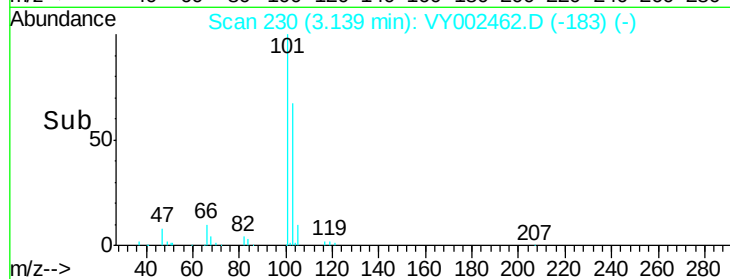
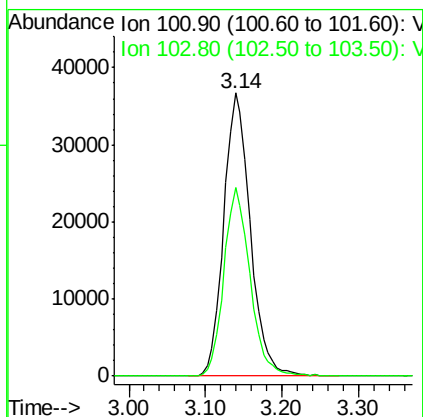
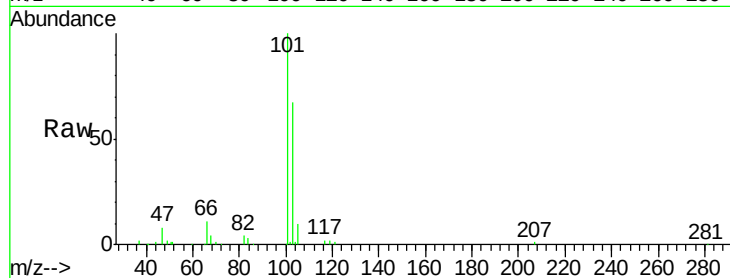
Trichlorofluoromethane
Concen: 23.013 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
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ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.5	78.7

Manual Integrations
APPROVED

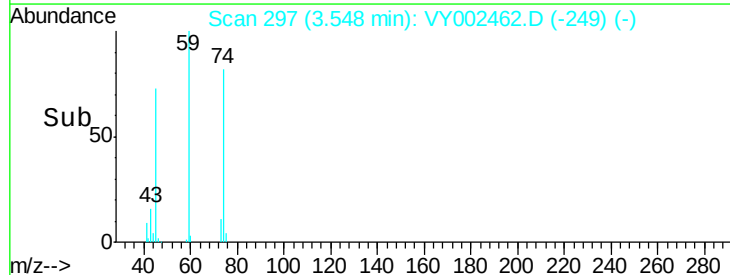
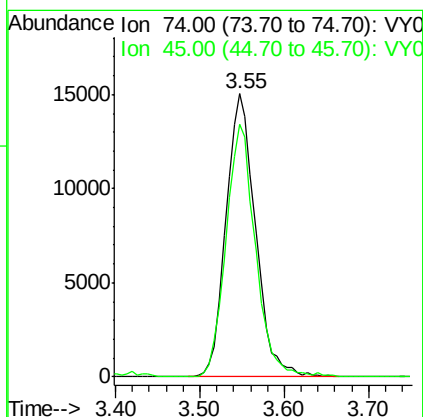
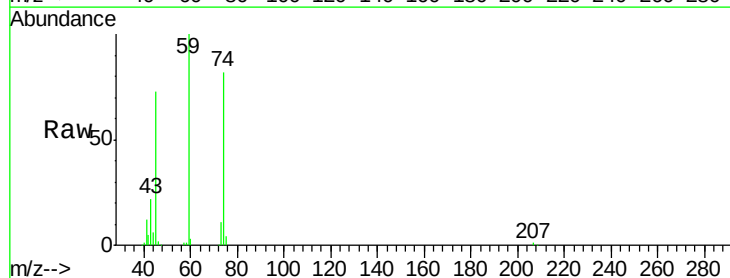
MMDadoda
4/24/2020 1:33:44 PM

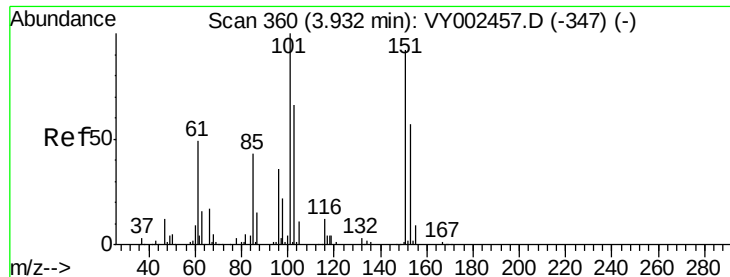


#8

Diethyl Ether
Concen: 22.625 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	44.0	132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.011 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

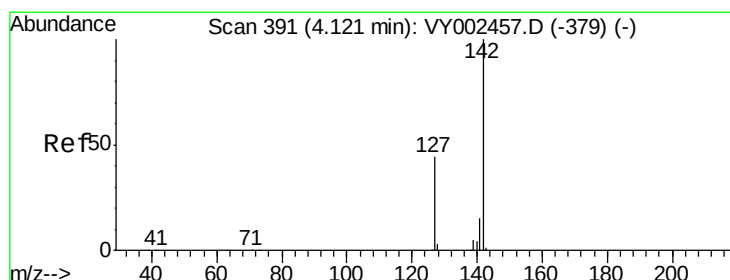
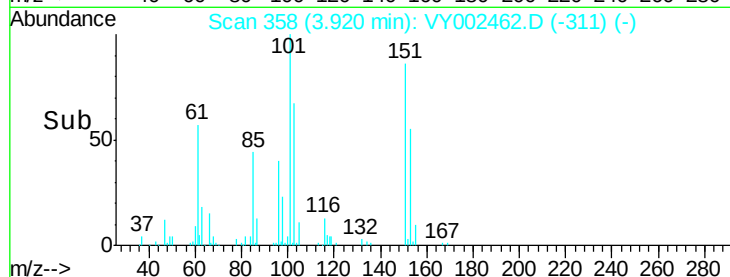
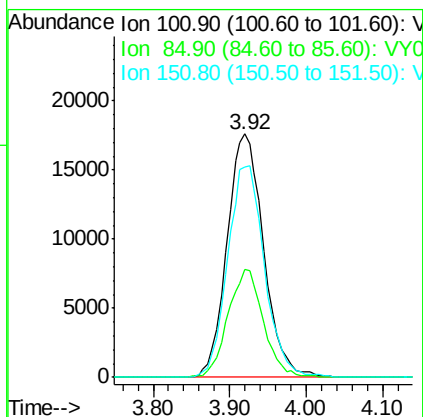
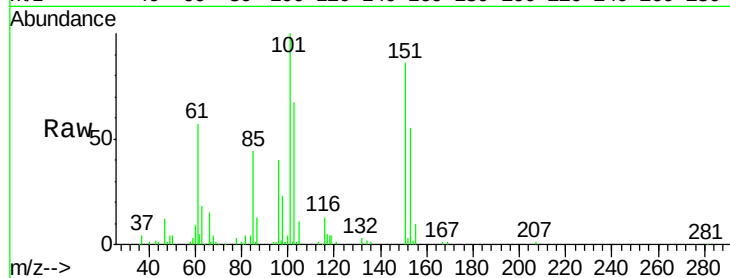
ClientSampleId :

VY0423SBS01

Tot Ion:	101	Resp:	58221
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	87.8	70.3	105.5

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 20.341 ug/l

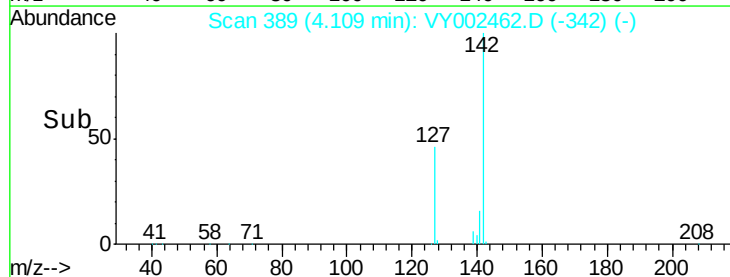
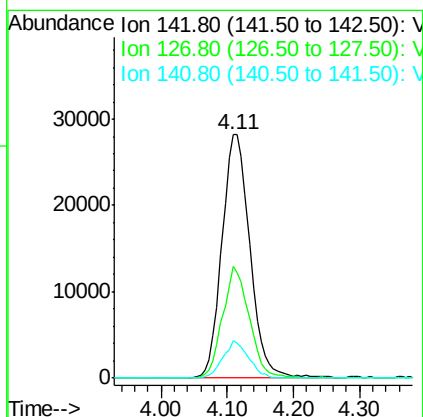
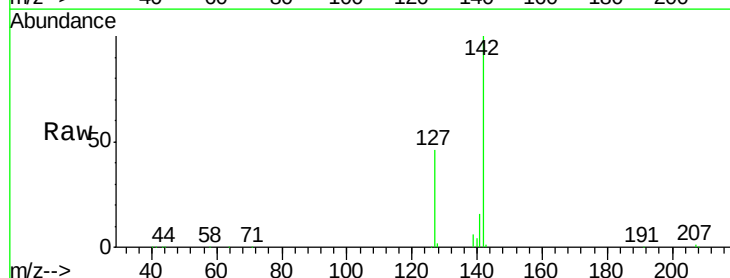
RT: 4.11 min Scan# 389

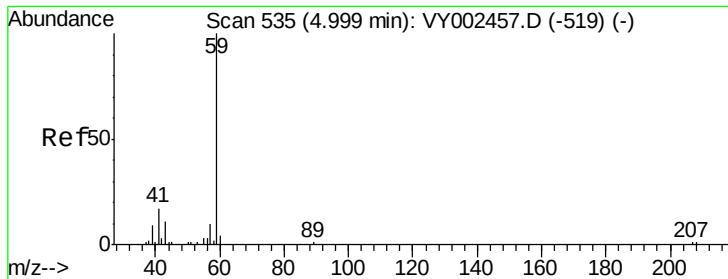
Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	142	Resp:	83005
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.8	53.8
141	14.1	11.6	17.4





#11

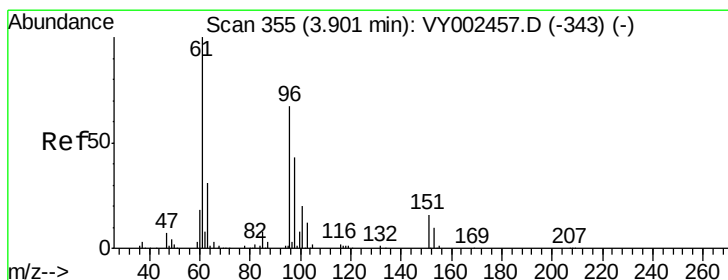
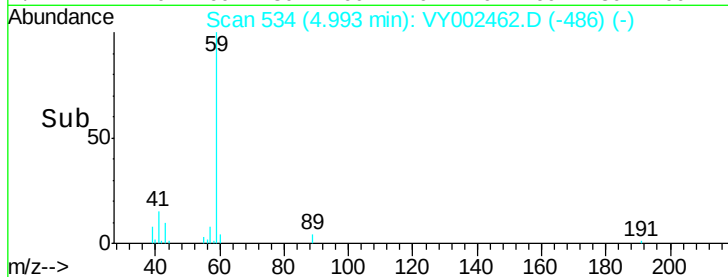
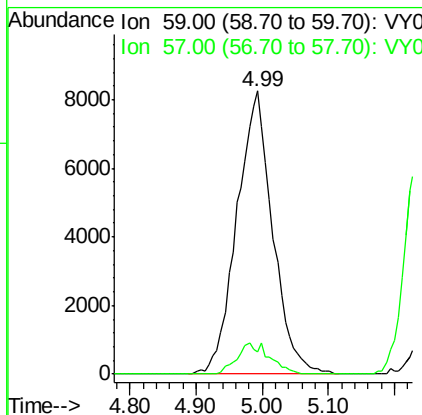
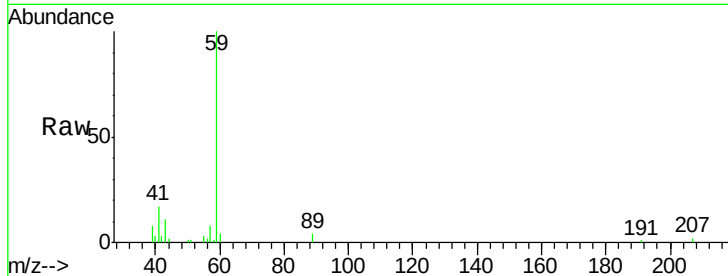
Tert butyl alcohol
Concen: 119.110 ug/l
RT: 4.99 min Scan# 534
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	59	Resp	31020
Ion Ratio	100	Lower	Upper
57	10.0	8.4	12.6

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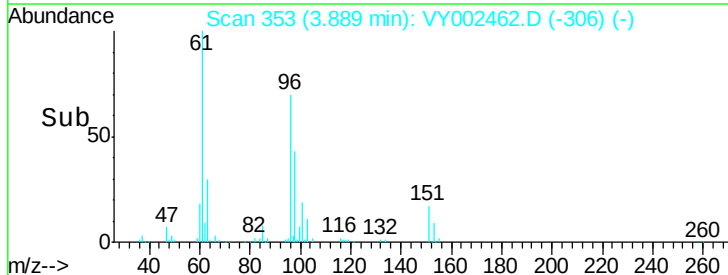
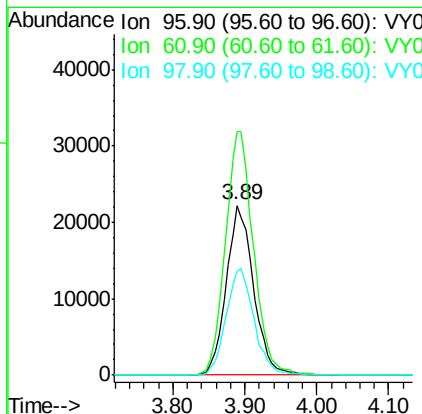
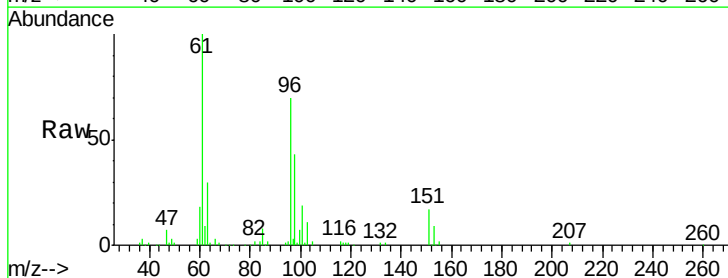
MMDadoda
4/24/2020 1:33:44 PM

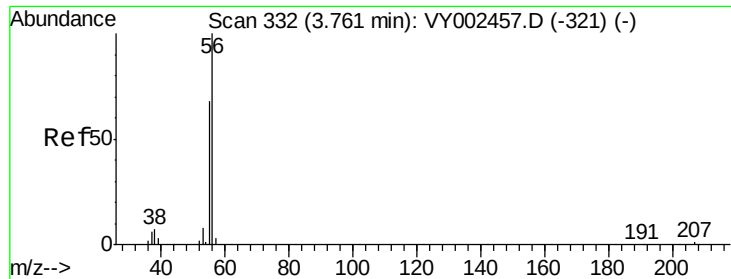


#12

1,1-Dichloroethene
Concen: 21.574 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	96	Resp	58469
Ion Ratio	100	Lower	Upper
61	143.7	119.0	178.6
98	61.5	51.4	77.2





#13

Acrolein

Concen: 103.230 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 56 Resp: 21521

Ion Ratio Lower Upper

56 100

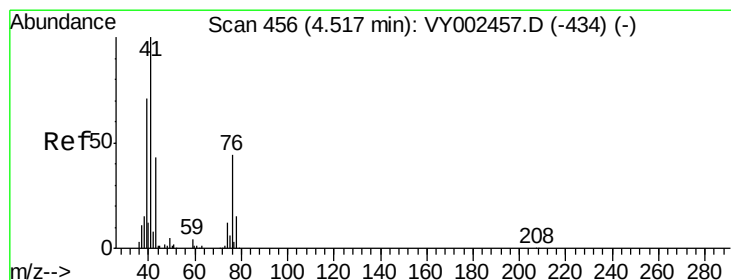
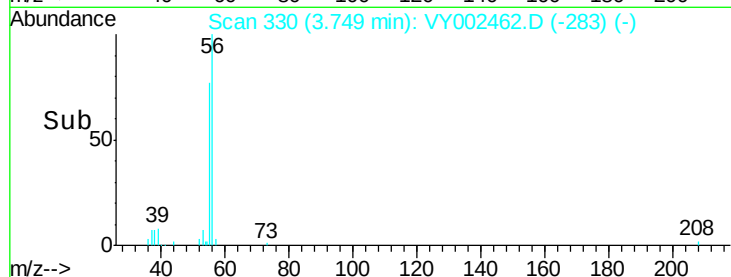
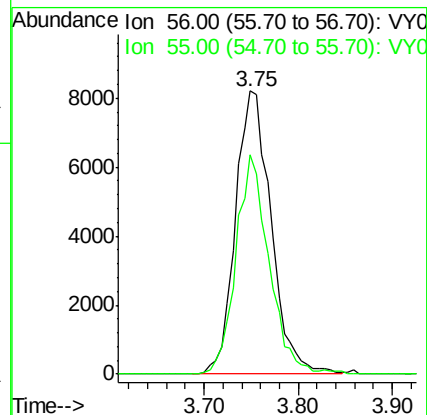
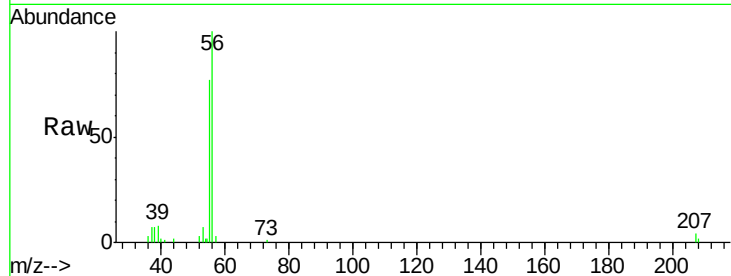
55 71.5 55.8 83.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 21.577 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

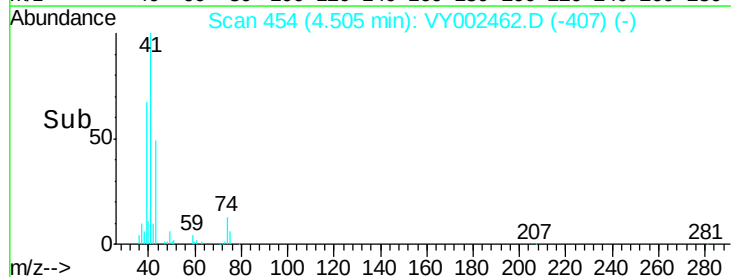
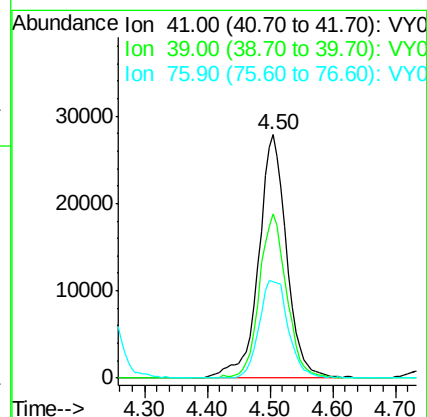
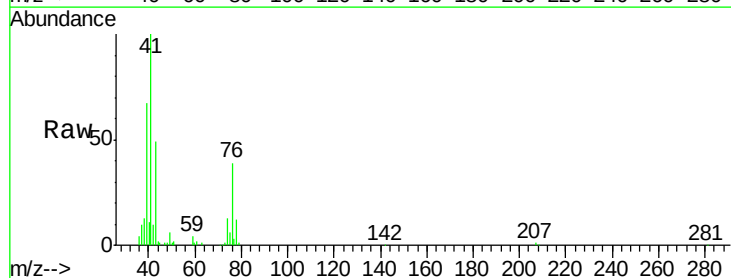
Tgt Ion: 41 Resp: 85934

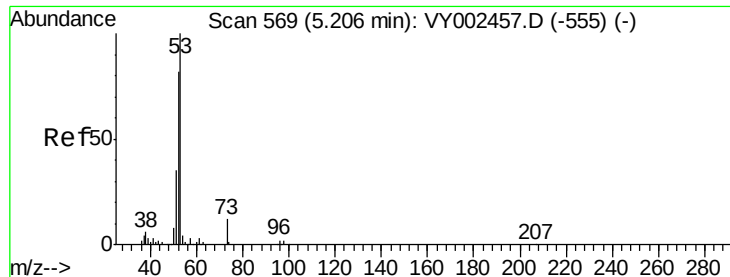
Ion Ratio Lower Upper

41 100

39 65.6 55.1 82.7

76 41.5 34.3 51.5





#15

Acrylonitrile

Concen: 111.418 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

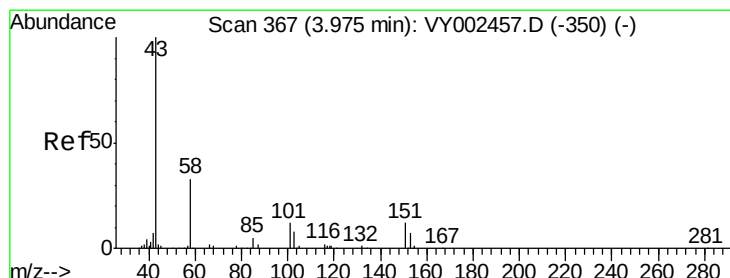
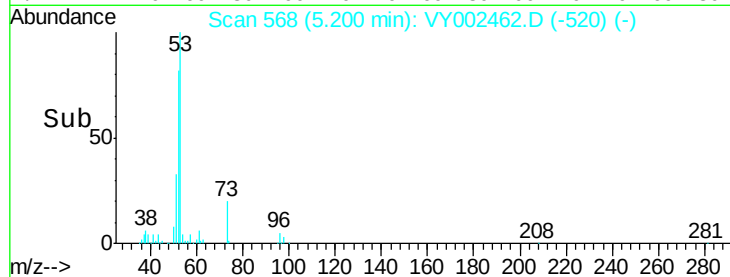
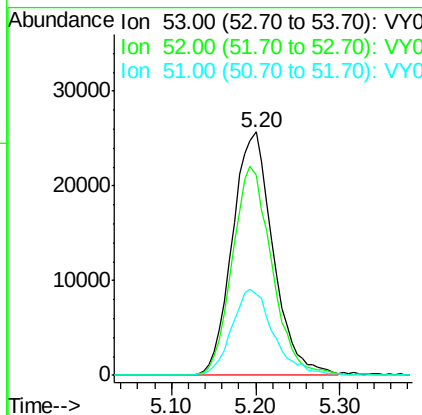
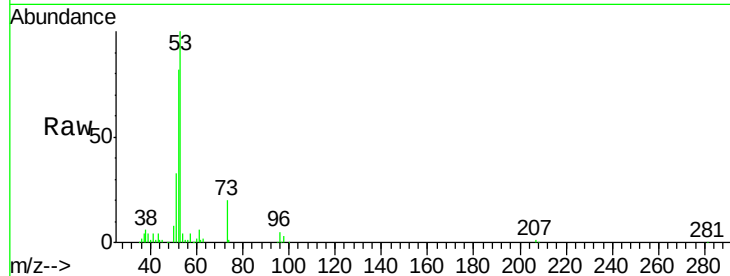
ClientSampleId :

VY0423SBS01

Tot Ion:	53	Resp:	84438
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.2
51	36.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 115.160 ug/l

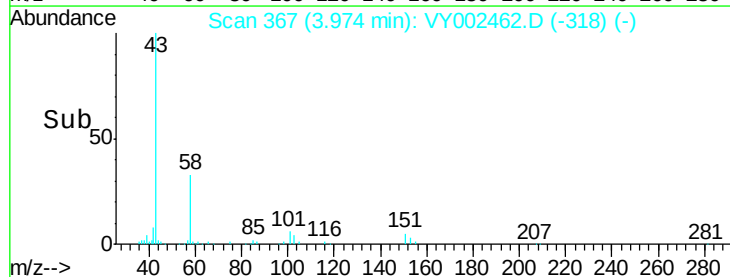
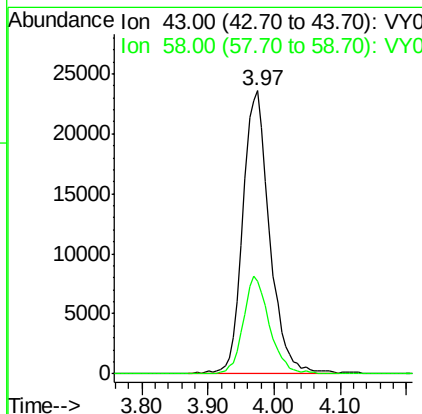
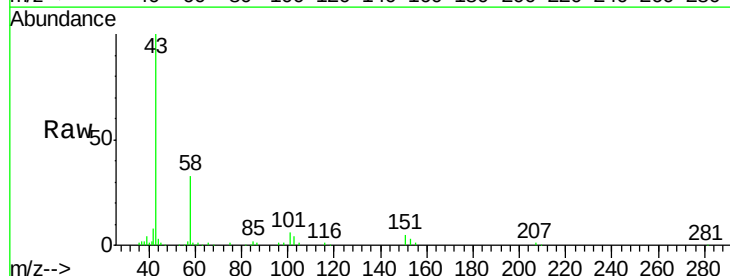
RT: 3.97 min Scan# 367

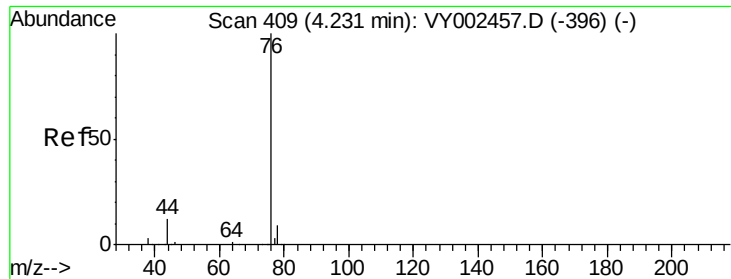
Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	43	Resp:	66593
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.4	39.6





#17

Carbon Disulfide

Concen: 20.425 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 76 Resp: 172605

Ion Ratio Lower Upper

76 100

78 8.6

7.3

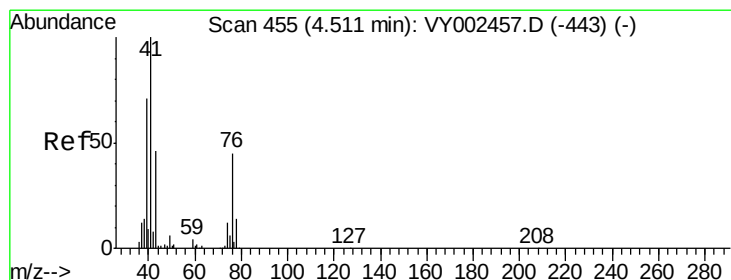
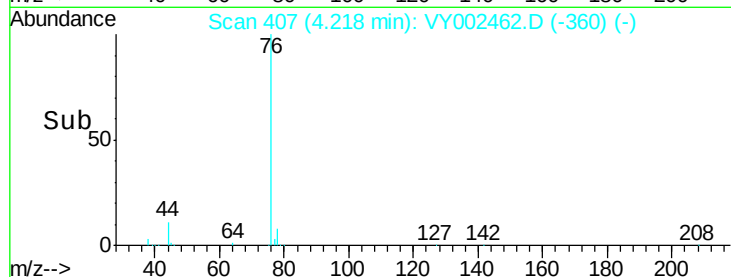
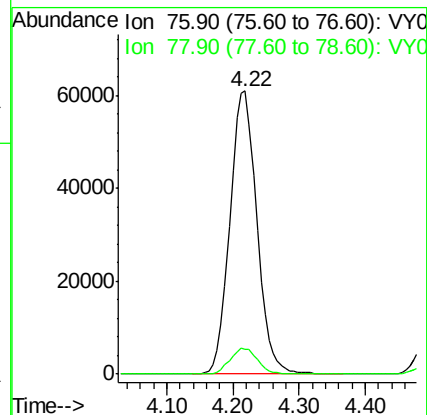
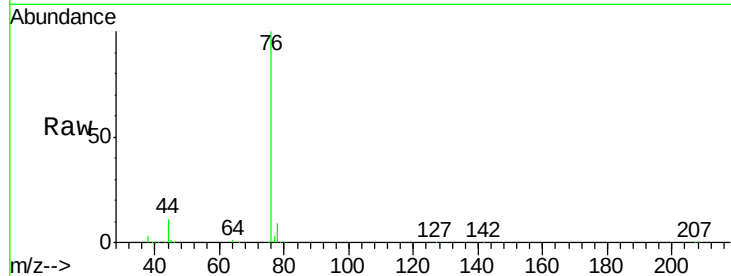
10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 22.148 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion: 43 Resp: 41213

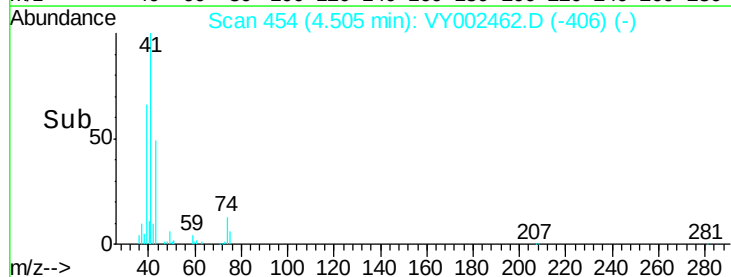
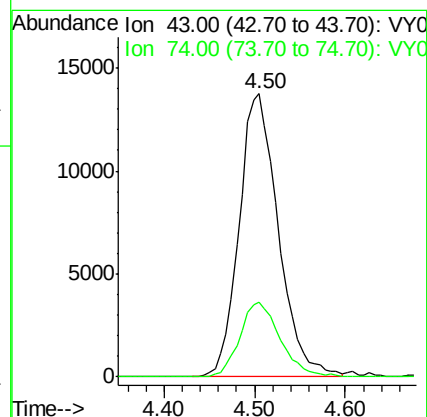
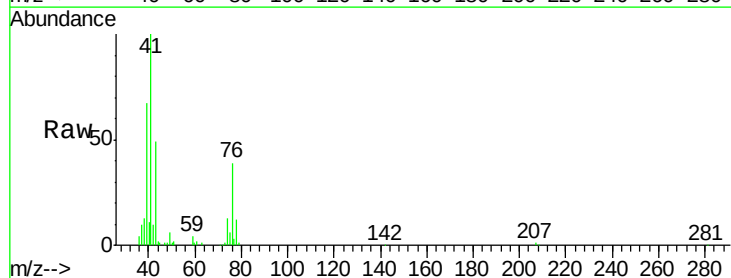
Ion Ratio Lower Upper

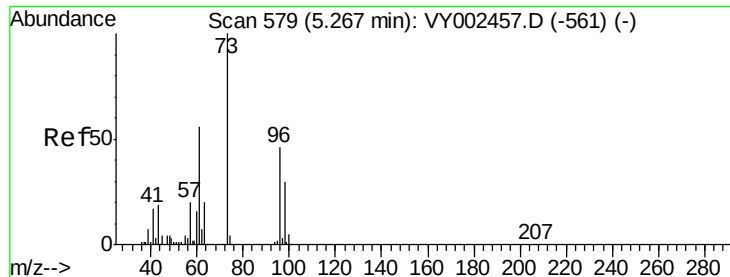
43 100

74 27.1

22.0

33.0





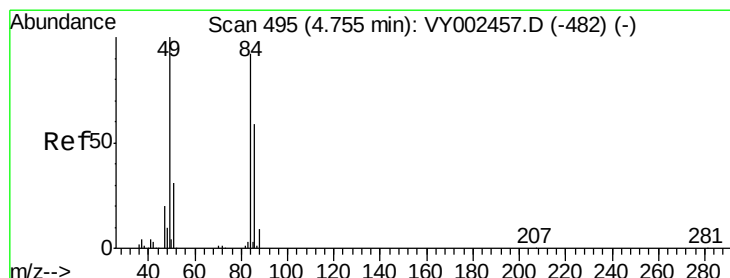
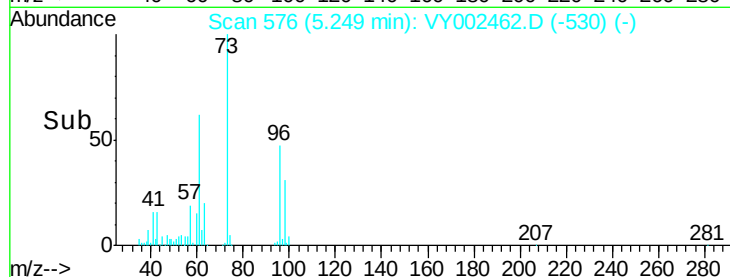
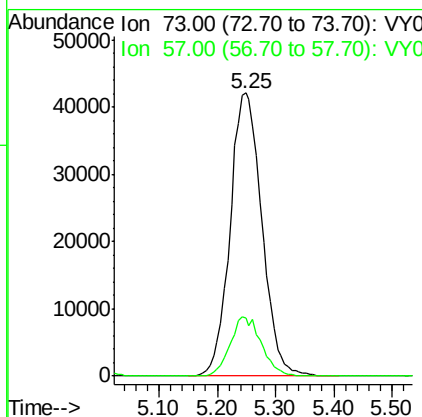
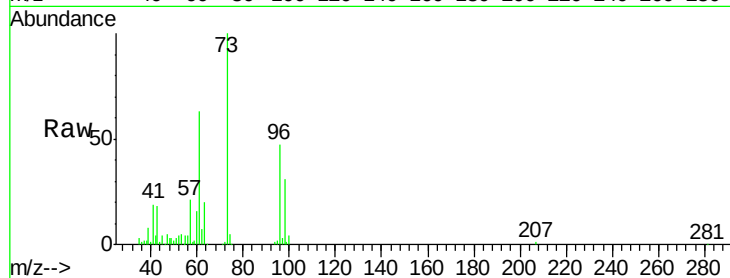
#19
Methyl tert-butyl Ether
Concen: 21.782 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.02 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.0	24.0

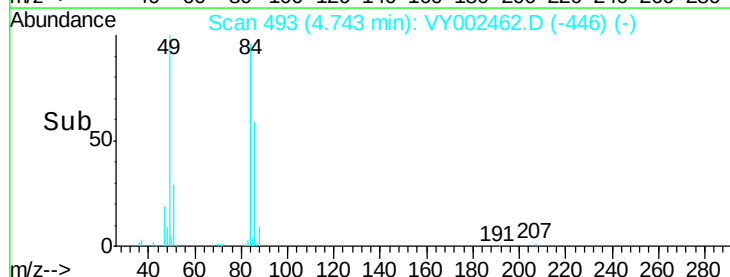
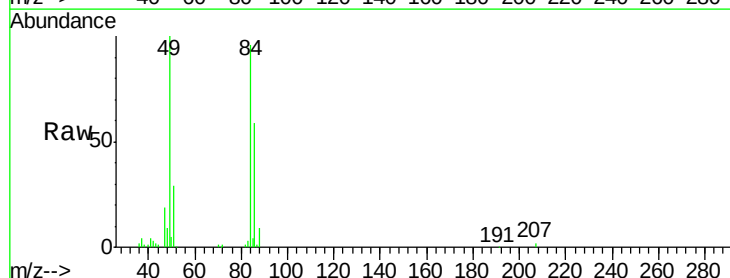
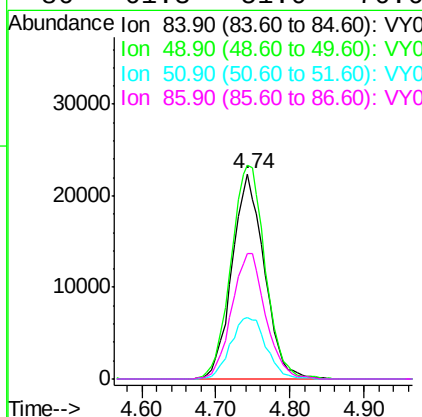
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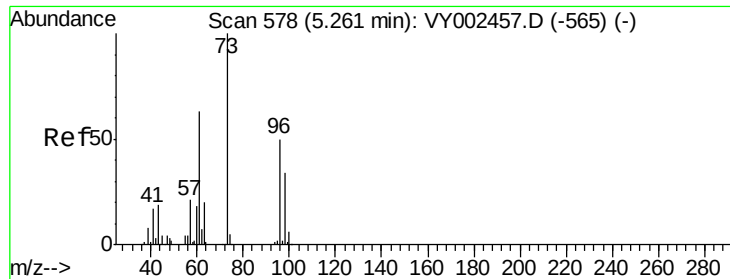
MMDadoda
4/24/2020 1:33:44 PM



#20
Methylene Chloride
Concen: 20.533 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.2	86.9	130.3
51	29.9	27.3	40.9
86	61.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.889 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

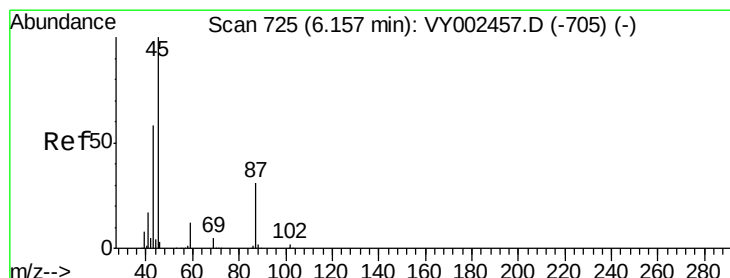
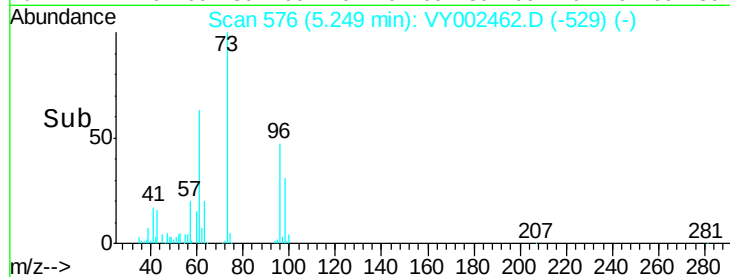
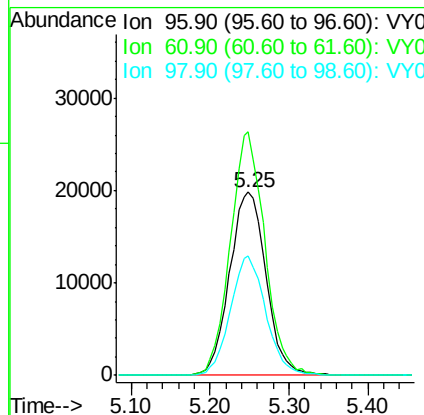
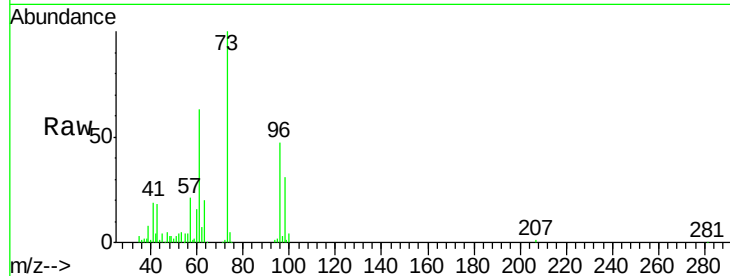
ClientSampleId :

VY0423SBS01

Tot Ion:	96	Resp:	63736
Ion	Ratio	Lower	Upper
96	100		
61	133.1	101.4	152.0
98	65.5	53.6	80.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.819 ug/l

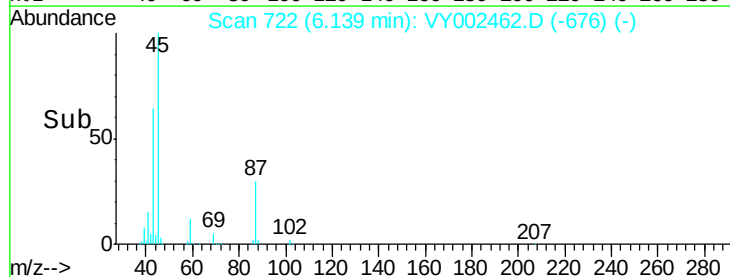
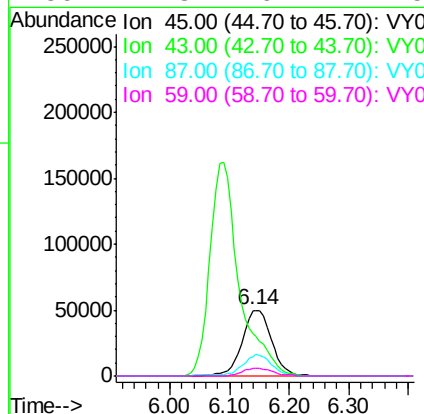
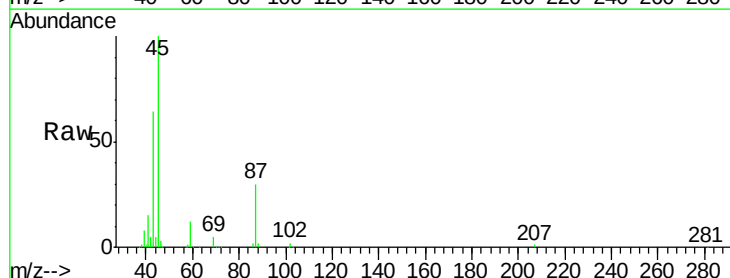
RT: 6.14 min Scan# 722

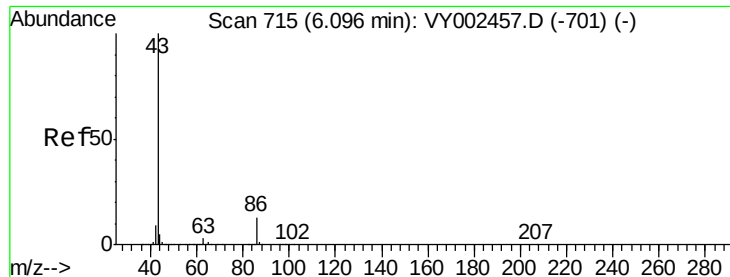
Delta R.T. -0.02 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	45	Resp:	171819
Ion	Ratio	Lower	Upper
45	100		
43	63.6	47.1	70.7
87	29.6	25.0	37.6
59	11.8	9.7	14.5





#23

Vinyl Acetate

Concen: 111.022 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 43 Resp: 55534

Ion Ratio Lower Upper

43 100

86 12.8

10.2

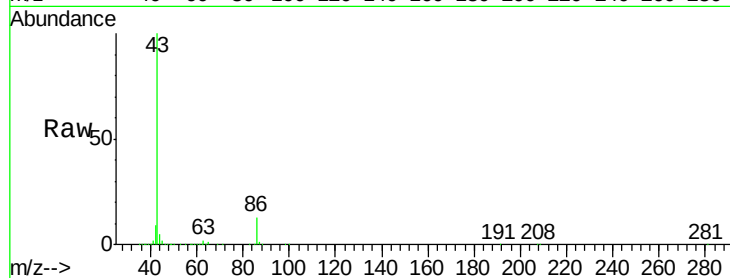
15.4

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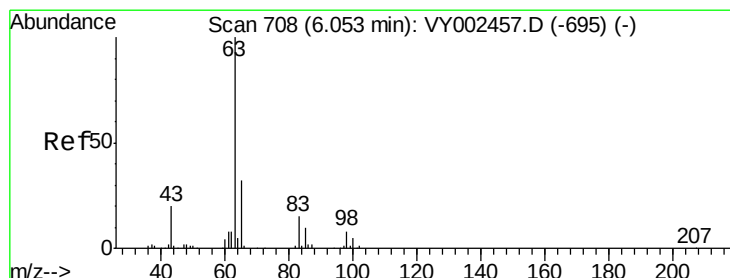
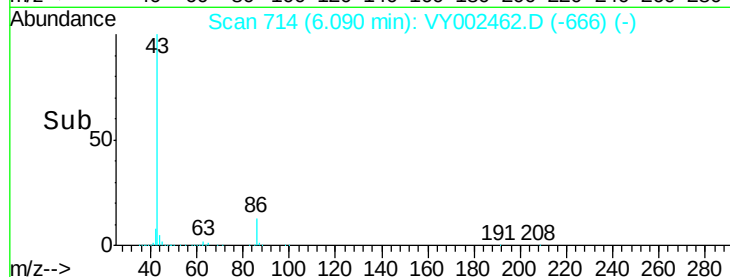
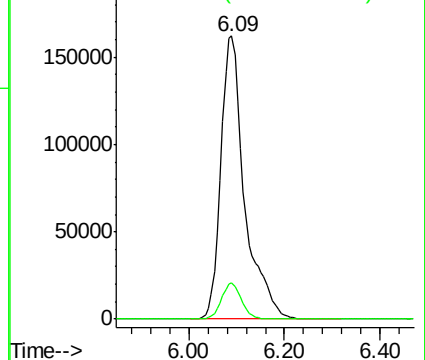
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.288 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion: 63 Resp: 101494

Ion Ratio Lower Upper

63 100

98 8.2

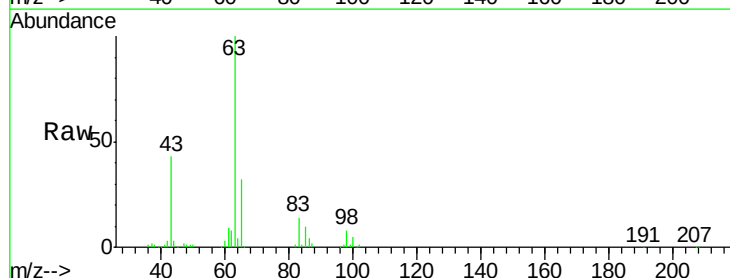
4.1

12.3

100 5.0

2.5

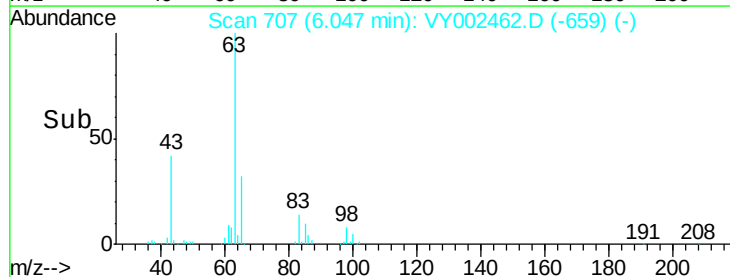
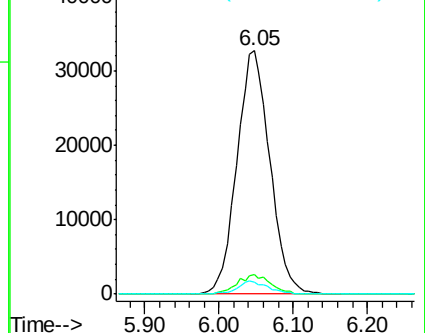
7.4

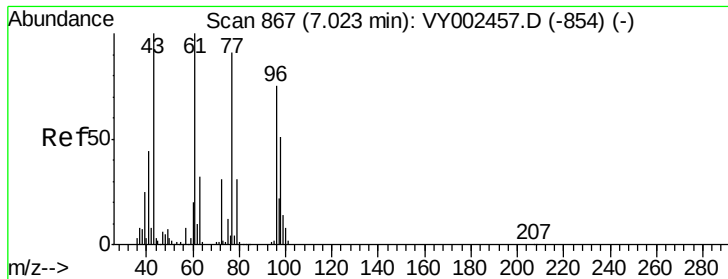


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 115.050 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 43 Resp: 101924

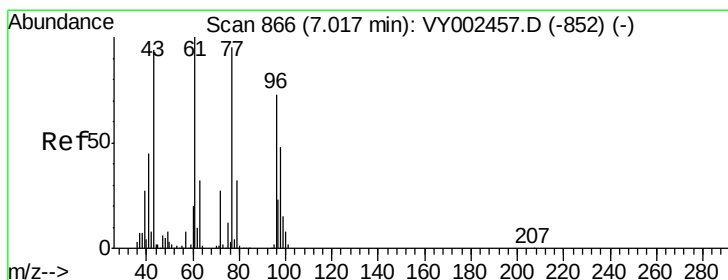
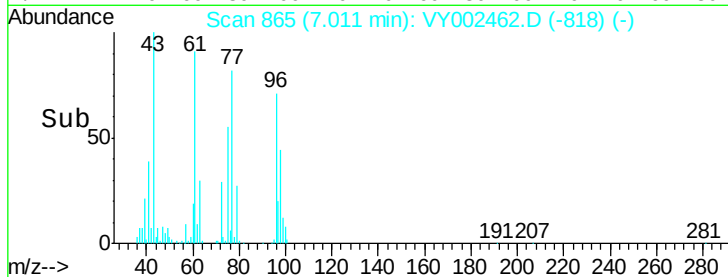
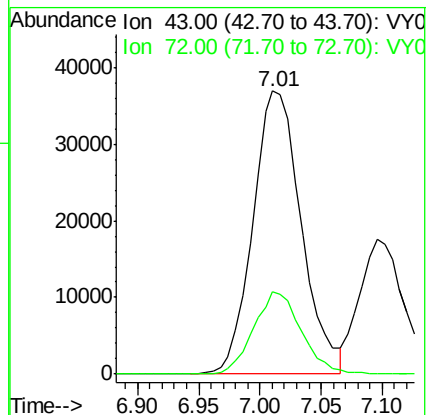
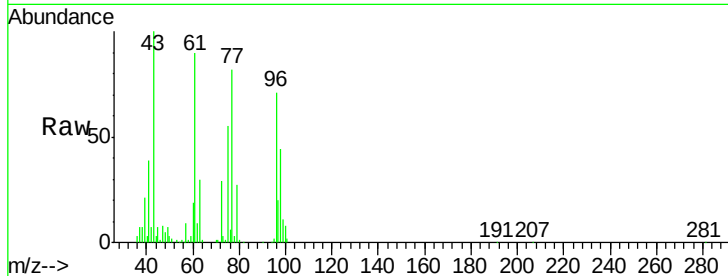
Ion Ratio Lower Upper

43 100

72 28.9 24.8 37.2

Manual Integrations
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MMDadoda
4/24/2020 1:33:44 PM



#26

2,2-Dichloropropane

Concen: 20.559 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002462.D

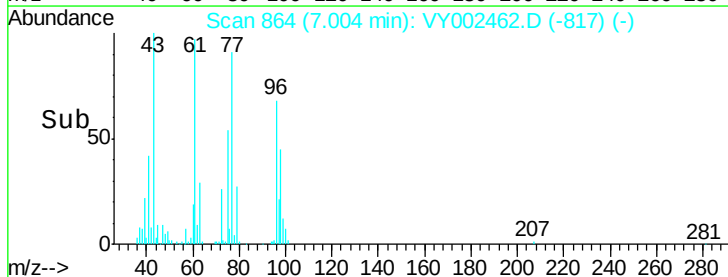
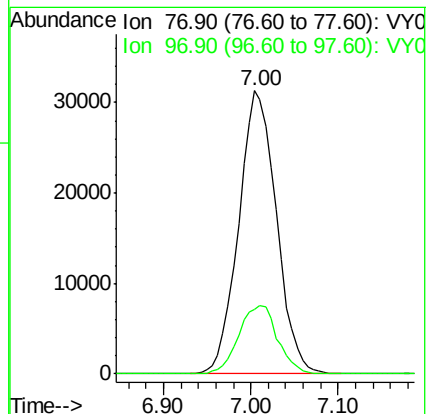
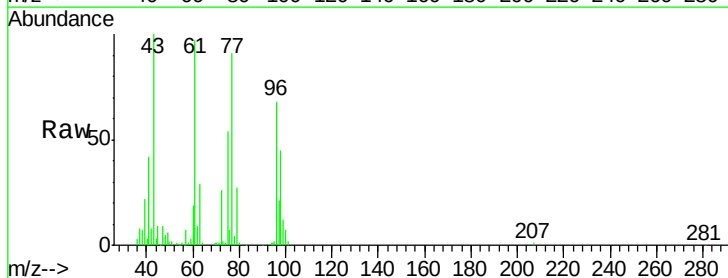
Acq: 23 Apr 2020 16:18

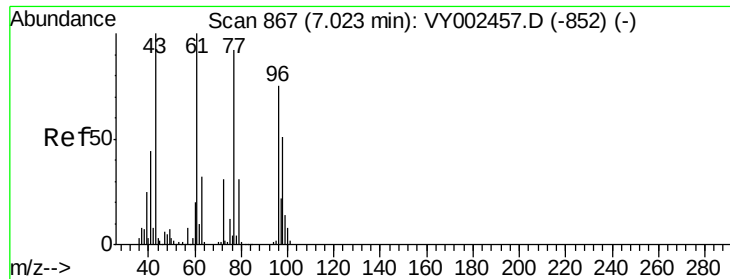
Tgt Ion: 77 Resp: 93738

Ion Ratio Lower Upper

77 100

97 24.8 12.0 36.0





#27

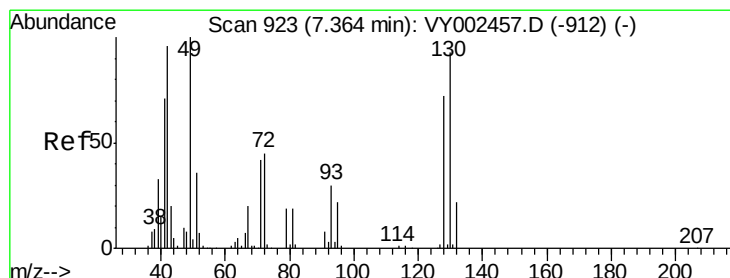
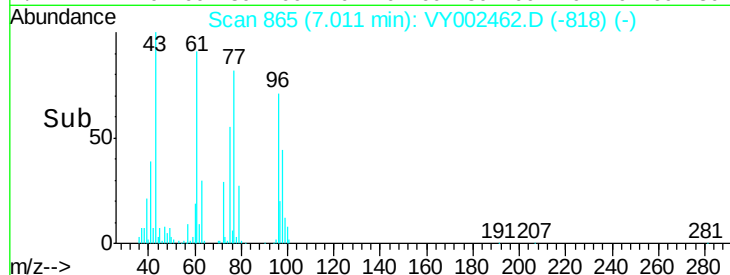
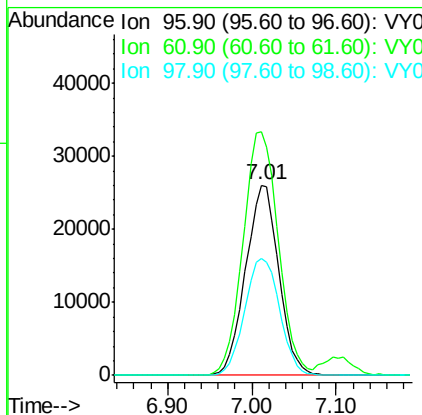
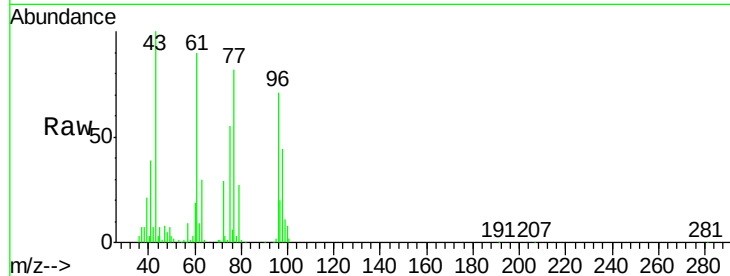
cis-1,2-Dichloroethene
 Concen: 21.090 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69990		
61	135.9		0.0	262.6
98	64.8		0.0	131.0

Manual Integrations
 APPROVED

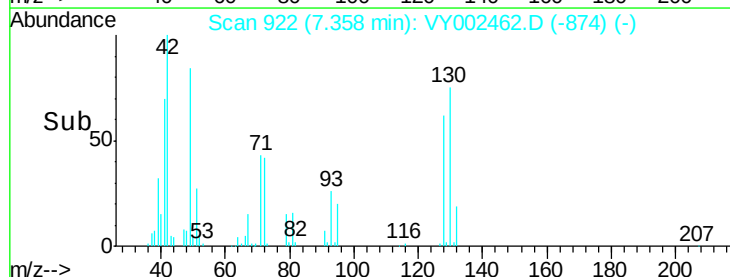
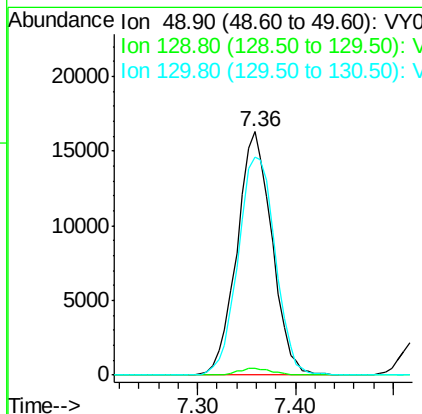
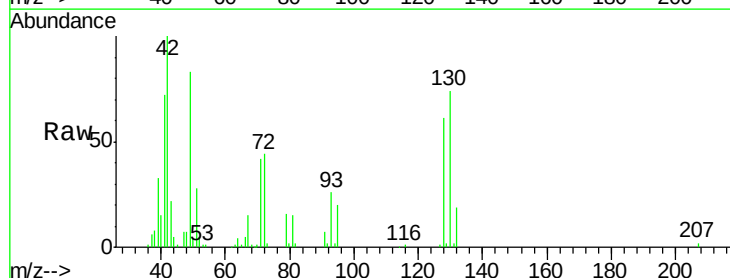
MMDadoda
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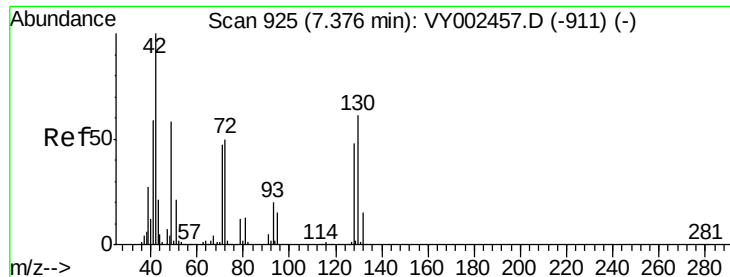


#28

Bromochloromethane
 Concen: 21.692 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40346		
129	2.6		0.0	5.6
130	95.6		76.3	114.5





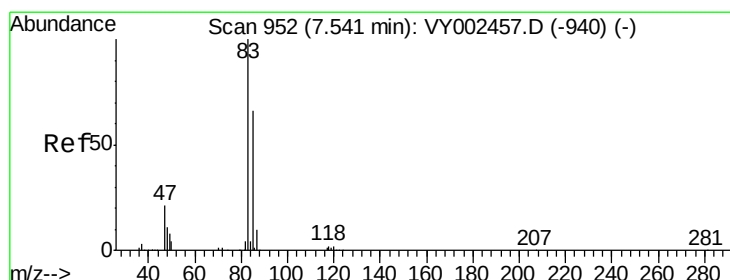
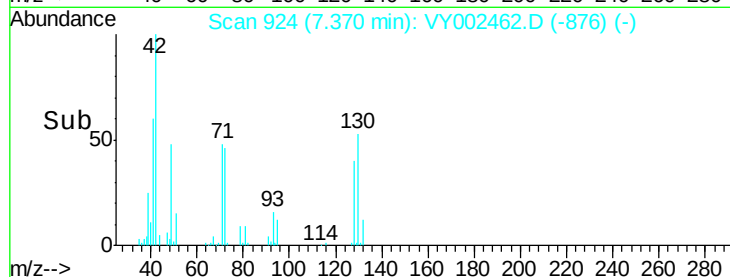
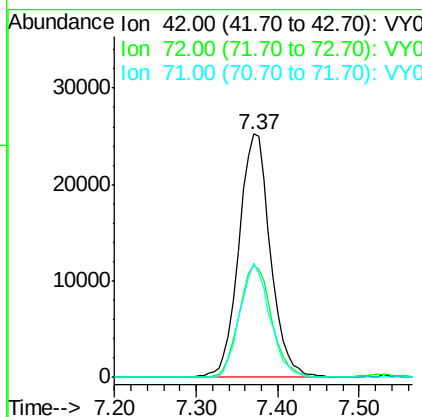
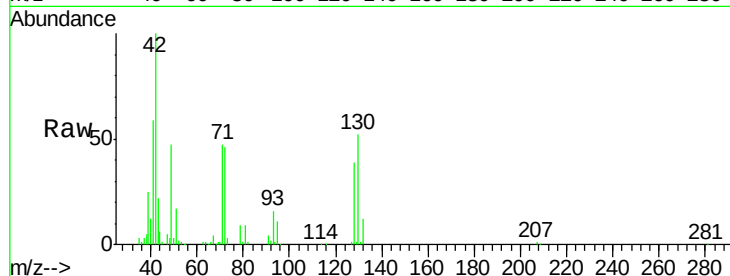
#29
Tetrahydrofuran
Concen: 115.254 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion:	42	Resp:	67695
Ion	Ratio	Lower	Upper
42	100		
72	47.4	39.5	59.3
71	44.4	37.6	56.4

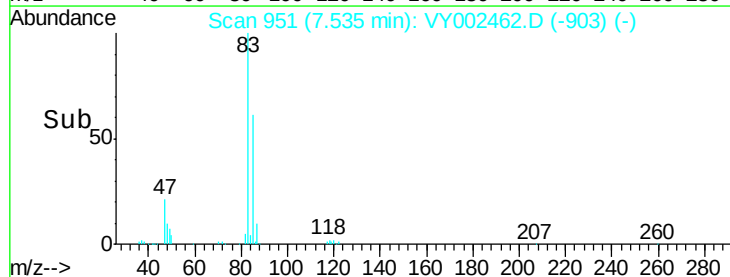
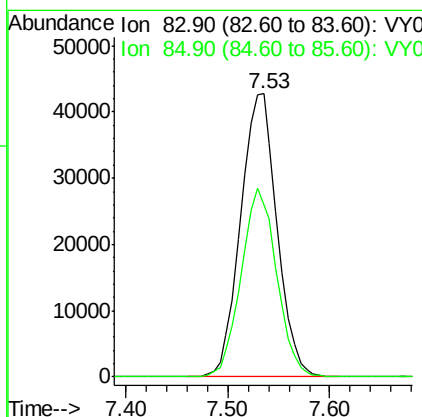
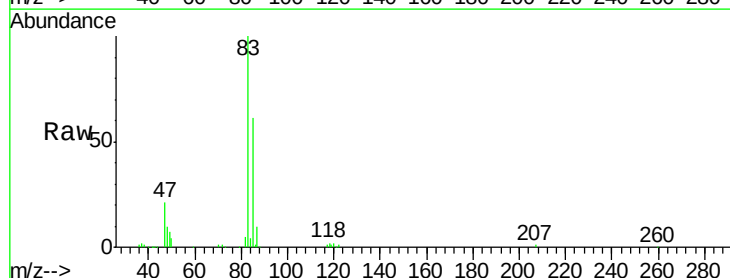
Manual Integrations
APPROVED

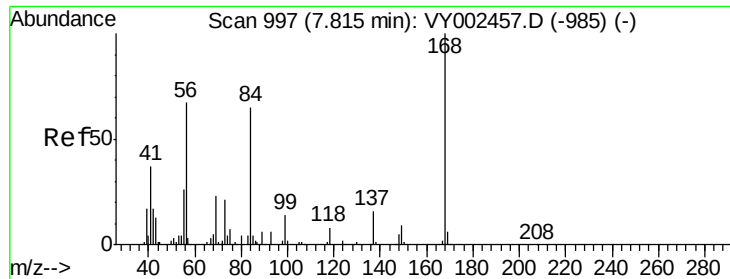
MMDadoda
4/24/2020 1:33:44 PM



#30
Chloroform
Concen: 20.877 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion:	83	Resp:	105978
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.4	78.6





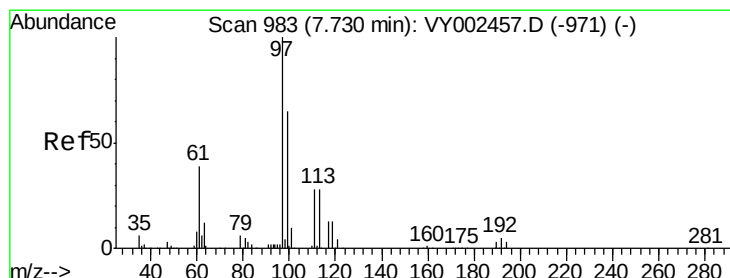
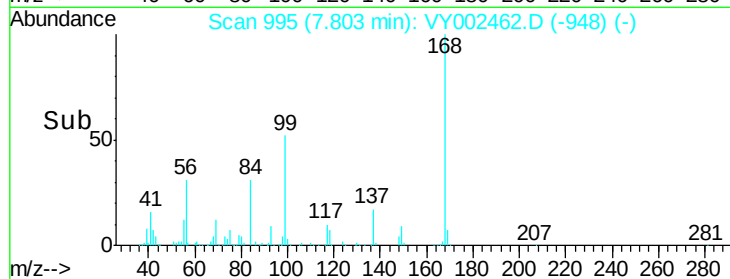
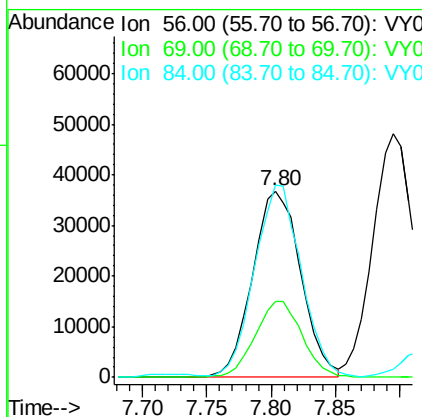
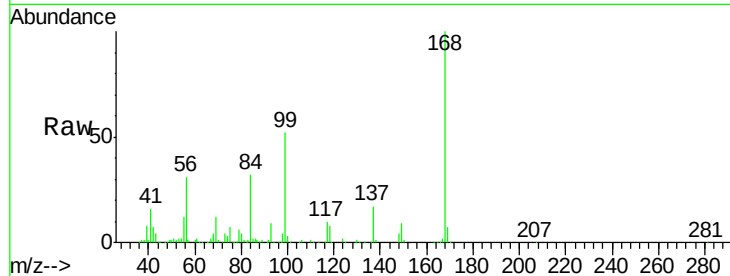
#31
Cyclohexane
Concen: 20.049 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	40.7	27.0	40.6#	
84	102.0	77.4	116.2	

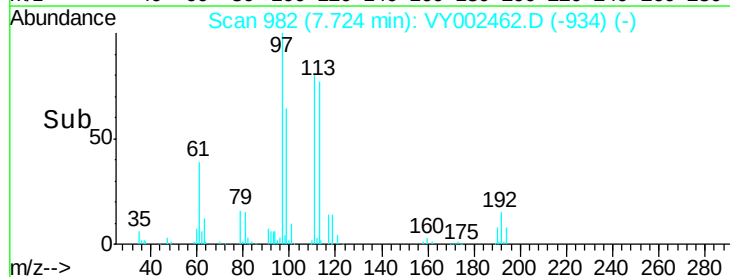
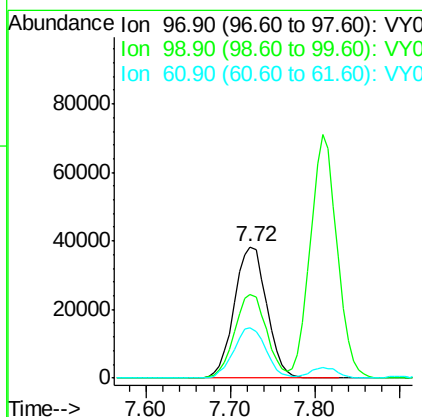
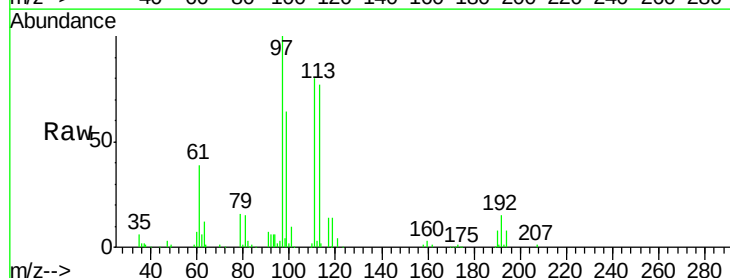
Manual Integrations
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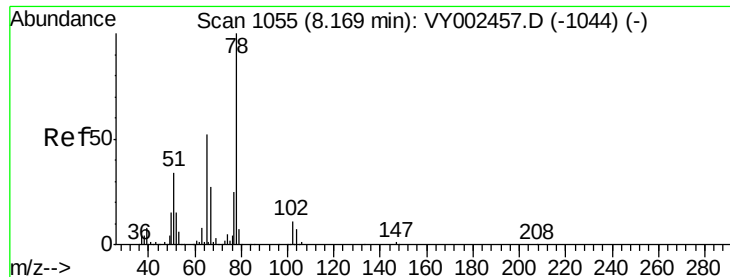
MMDadoda
4/24/2020 1:33:44 PM



#32
1,1,1-Trichloroethane
Concen: 20.746 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.1	51.6	77.4	
61	38.5	30.6	45.8	





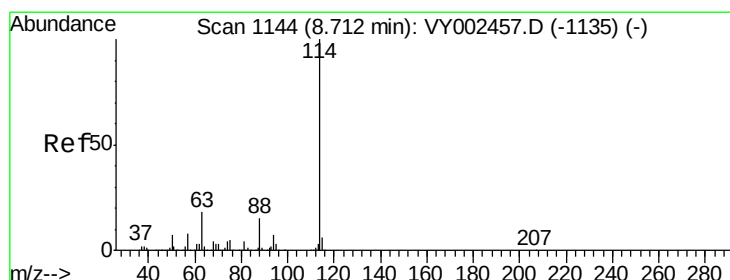
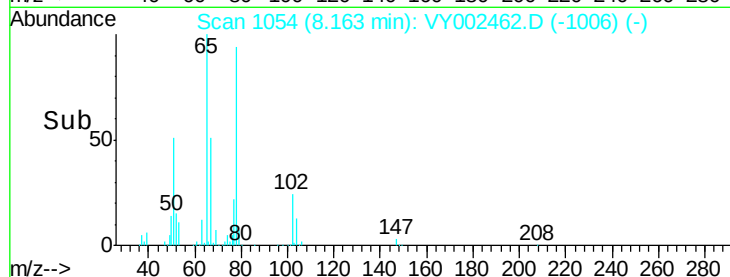
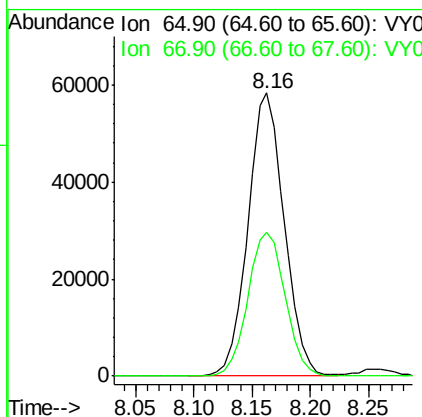
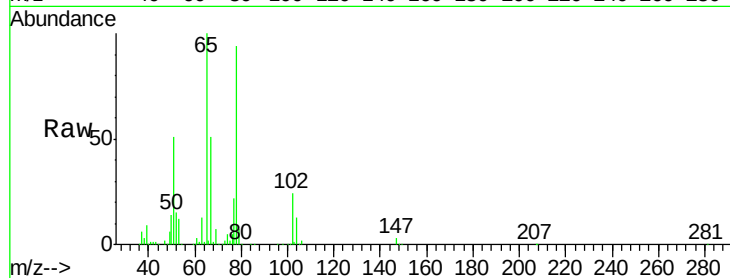
#33
 1,2-Dichloroethane-d4
 Concen: 45.762 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	104.2	

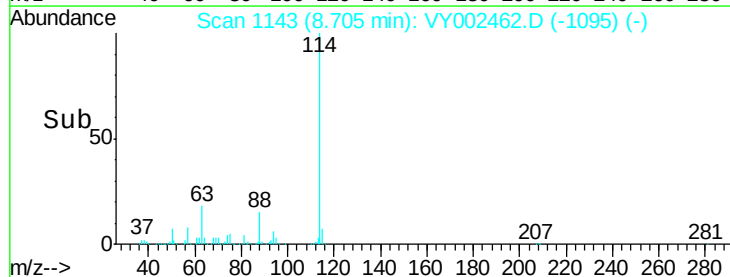
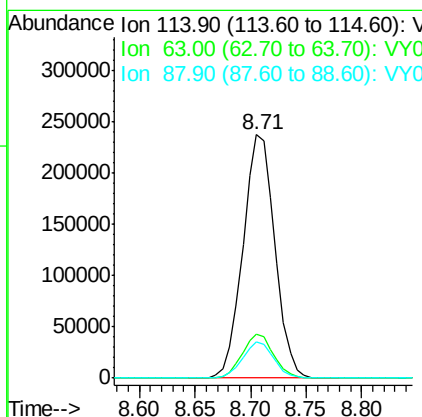
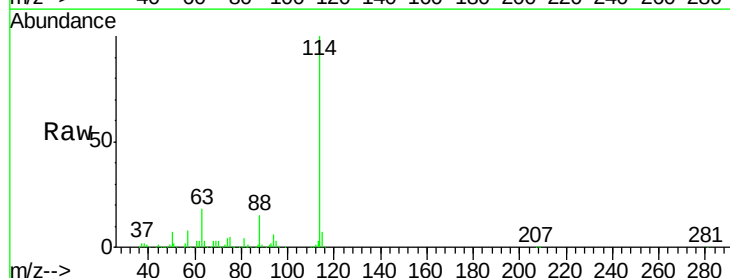
Manual Integrations
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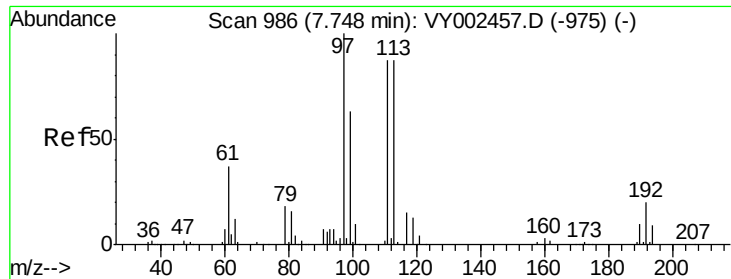
MMDadoda
 4/24/2020 1:33:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.6	
88	14.8	0.0	29.4	





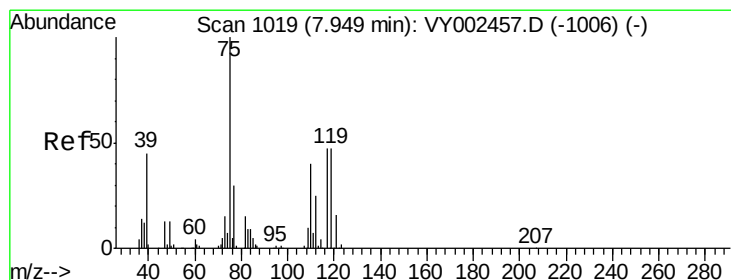
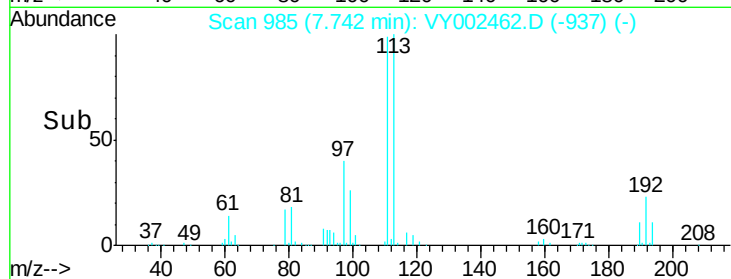
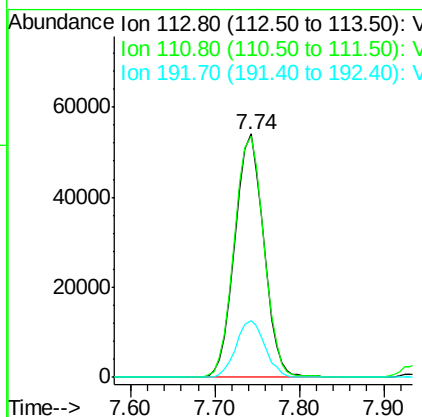
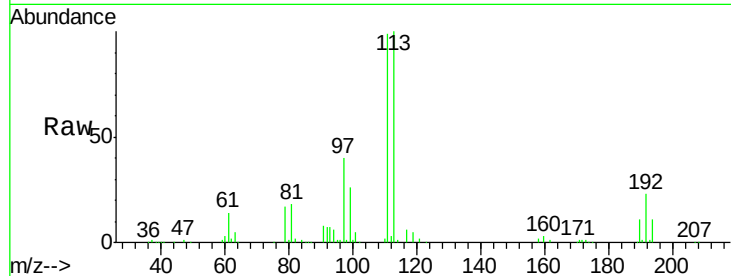
#35
 Dibromofluoromethane
 Concen: 47.043 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125170		
111	101.7	81.0	121.4	
192	23.3	18.6	27.8	

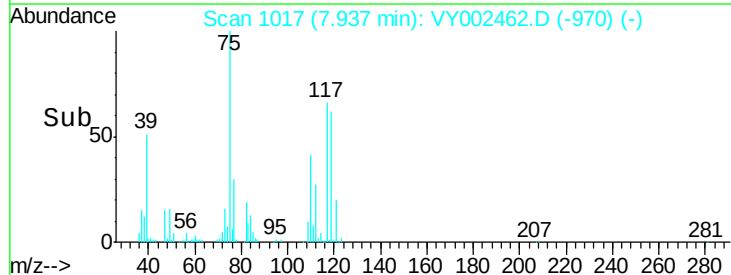
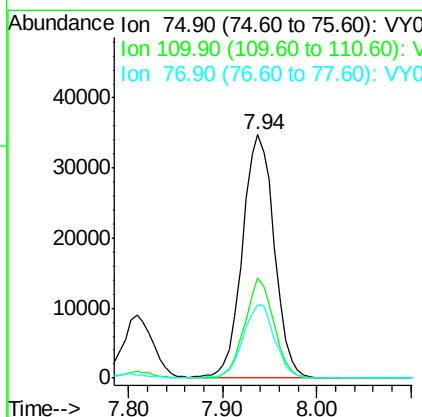
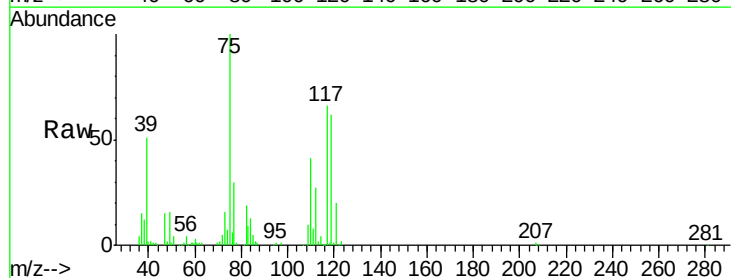
Manual Integrations
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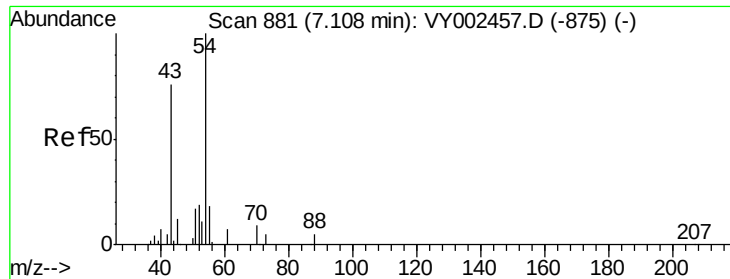
MMDadoda
 4/24/2020 1:33:44 PM



#36
 1,1-Dichloropropene
 Concen: 20.387 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82460		
110	37.6	19.4	58.4	
77	30.1	24.7	37.1	





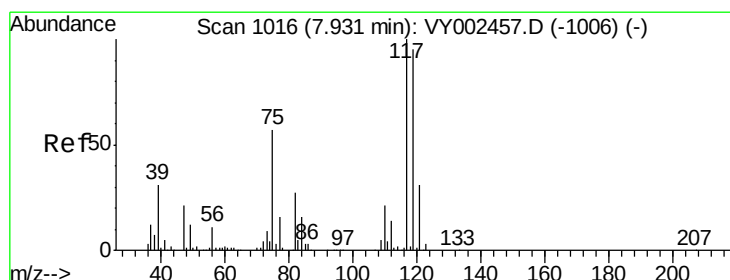
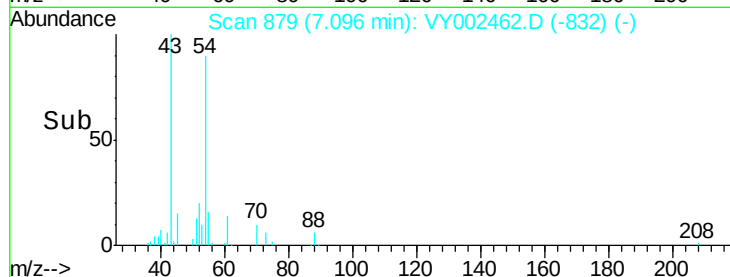
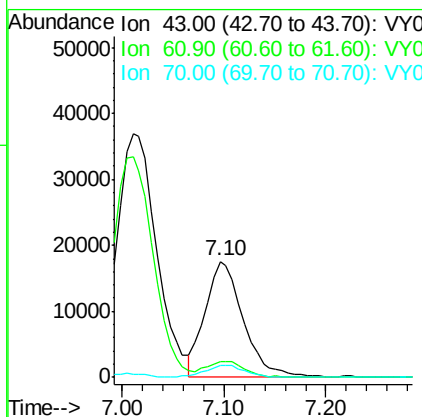
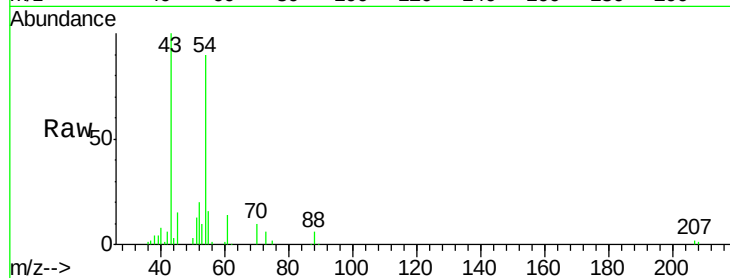
#37
Ethyl Acetate
Concen: 22.318 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	10.9	9.3	13.9

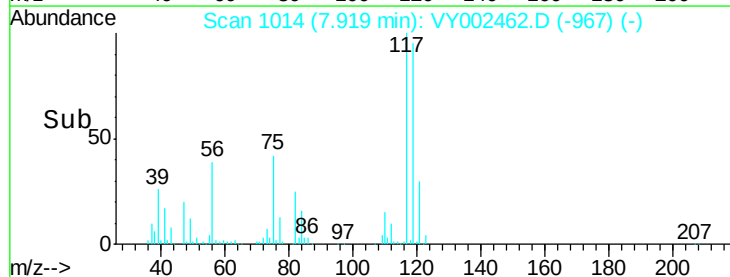
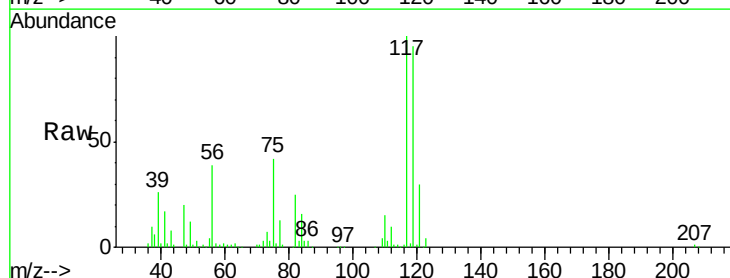
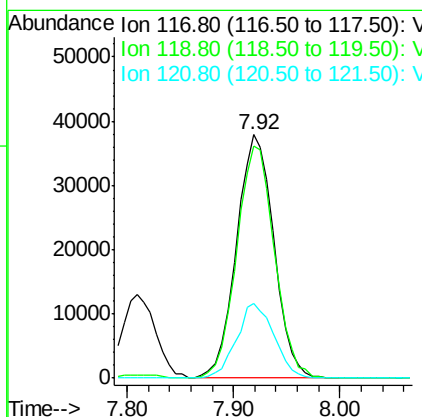
Manual Integrations
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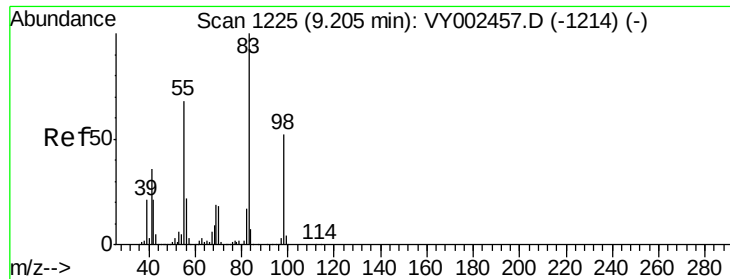
MMDadoda
4/24/2020 1:33:44 PM



#38
Carbon Tetrachloride
Concen: 20.056 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.9	113.9
121	30.5	24.5	36.7





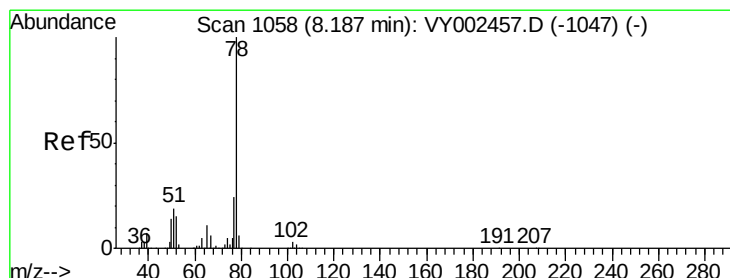
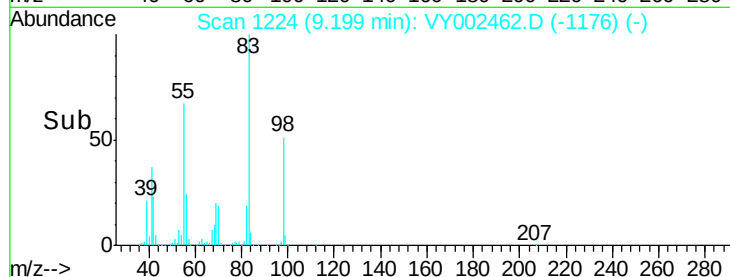
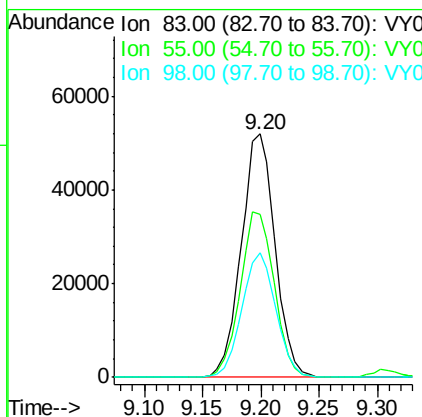
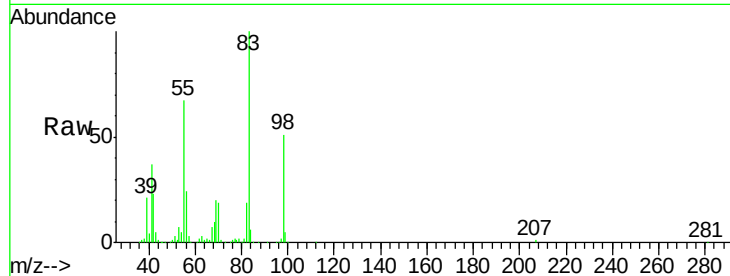
#39
Methylvlcyclohexane
Concen: 19.930 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	54.2	81.2
98	51.4	41.9	62.9

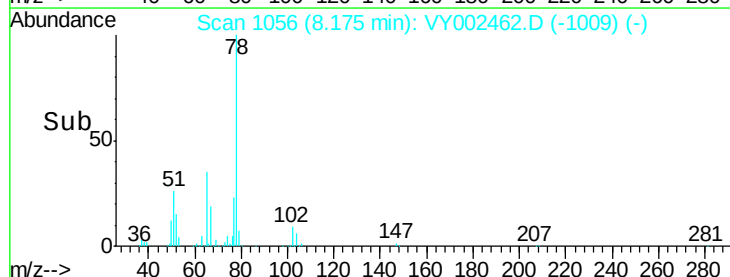
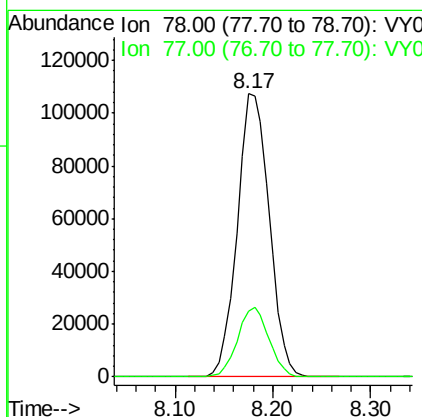
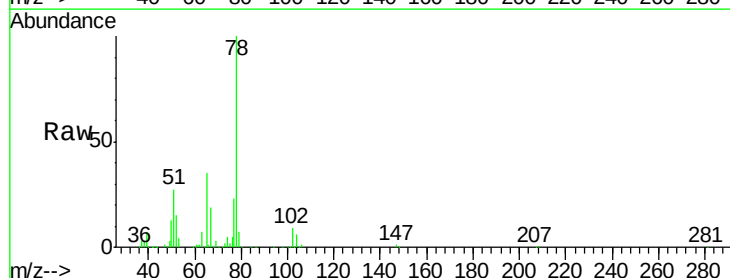
Manual Integrations
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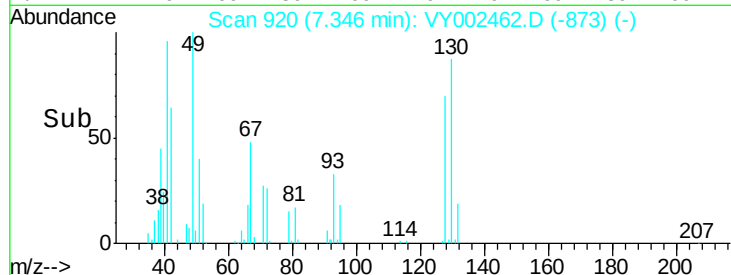
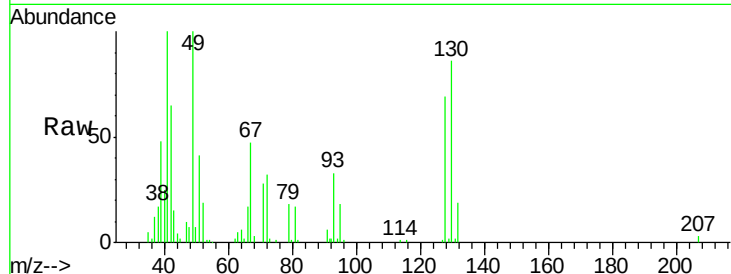
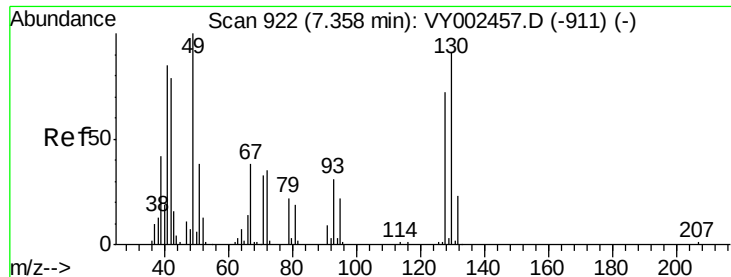
MMDadoda
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#40
Benzene
Concen: 20.830 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





#41

Methacrylonitrile

Concen: 23.004 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tot Ion	41	Resp	28799
Ion	Ratio	Lower	Upper
41	100		
39	101.5	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

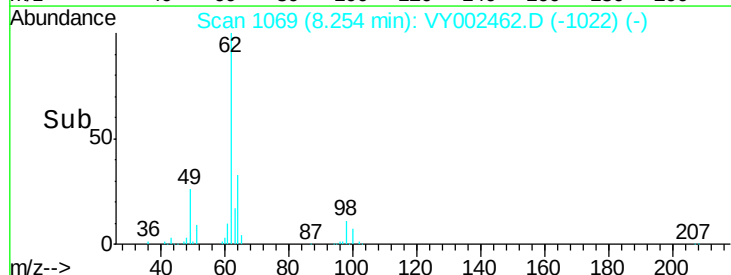
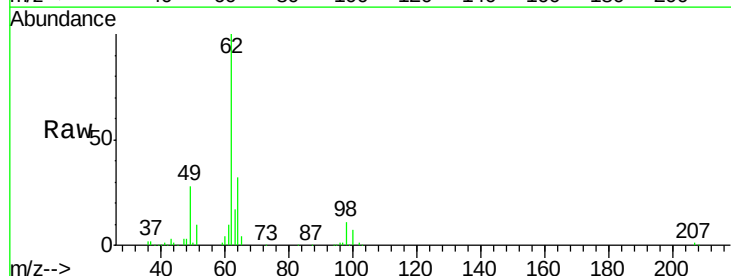
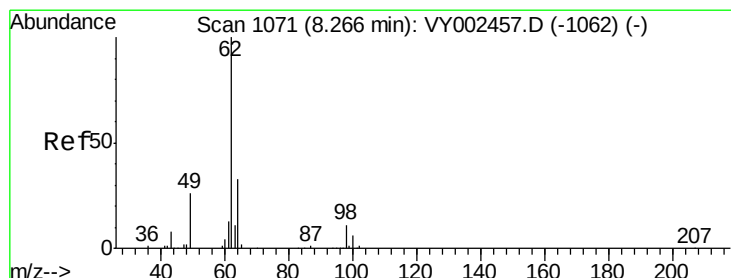
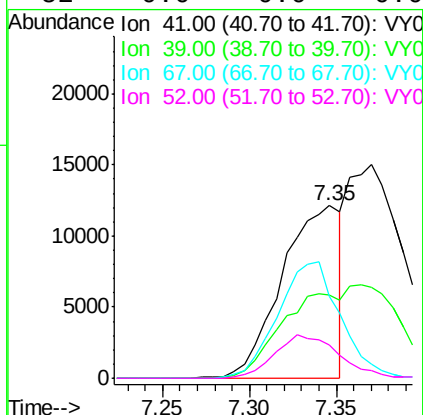
MSVOA_Y

ClientSampleId :

VY0423SBS01

Manual Integrations
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4/24/2020 1:33:44 PM



#42

1,2-Dichloroethane

Concen: 20.585 ug/l

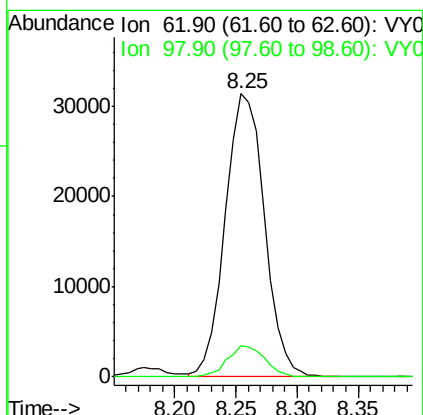
RT: 8.25 min Scan# 1069

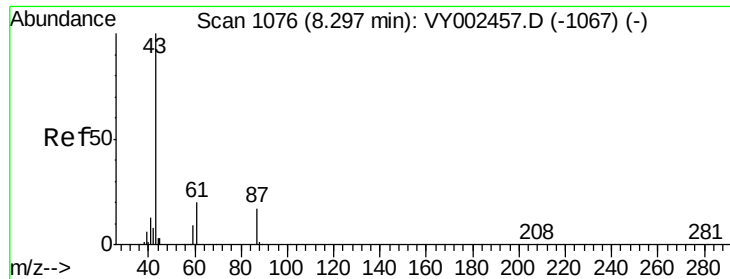
Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion	62	Resp	69908
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

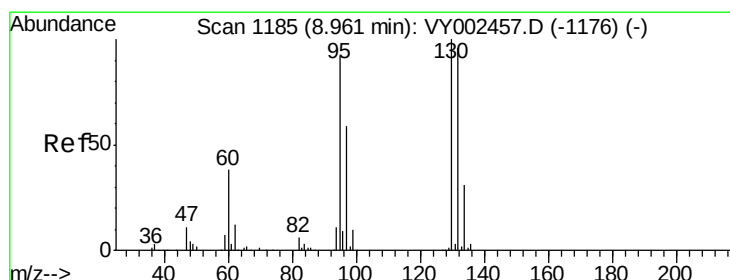
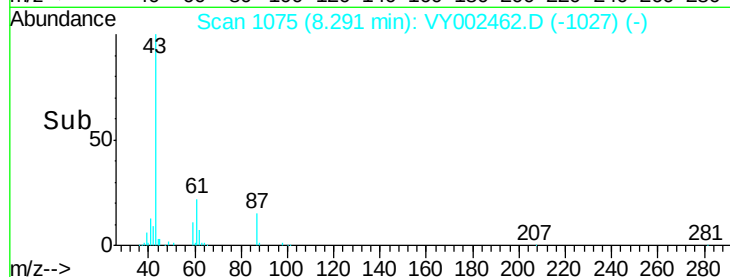
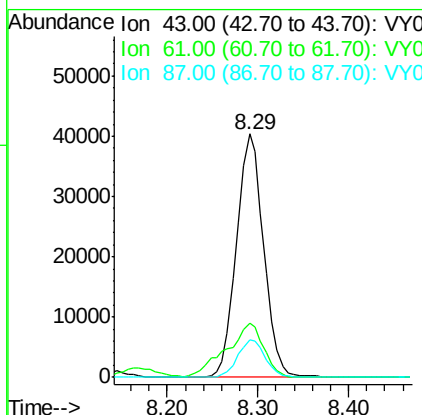
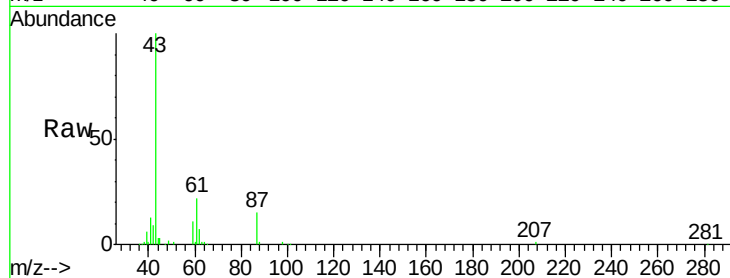
Isopropyl Acetate
 Concen: 22.042 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.0	37.4
87	15.4	13.0	19.4

Manual Integrations
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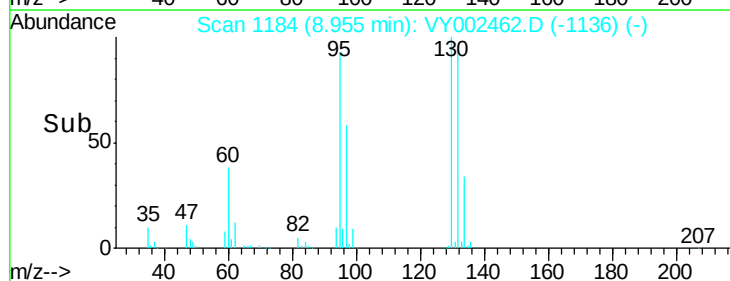
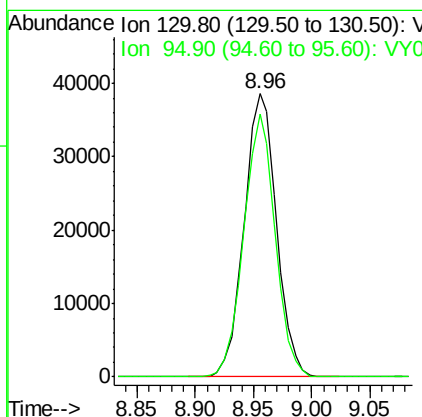
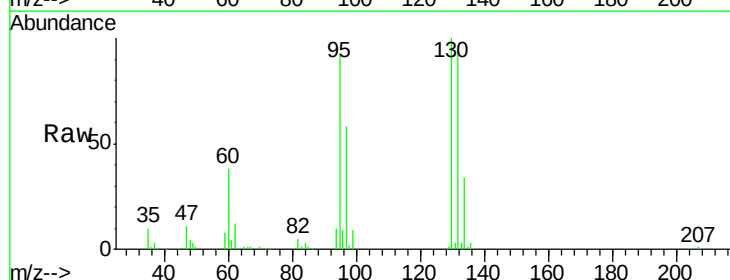
MMDadoda
 4/24/2020 1:33:44 PM

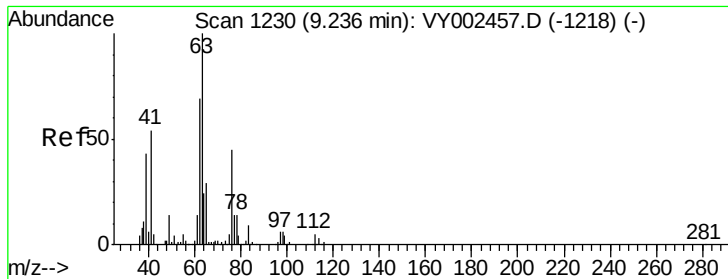


#44

Trichloroethene
 Concen: 20.474 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	184.2





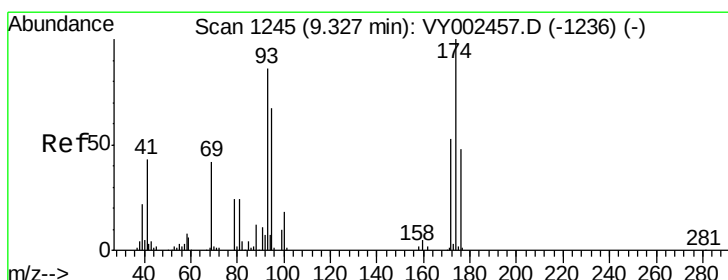
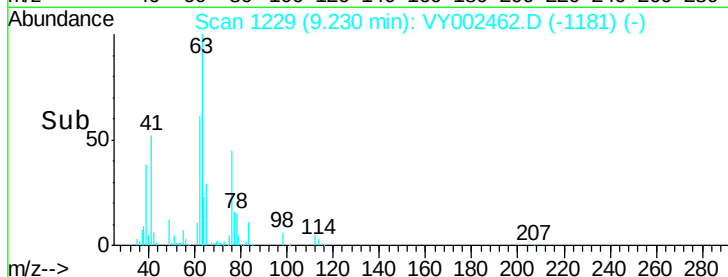
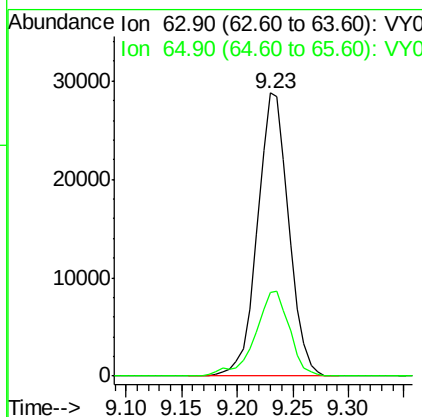
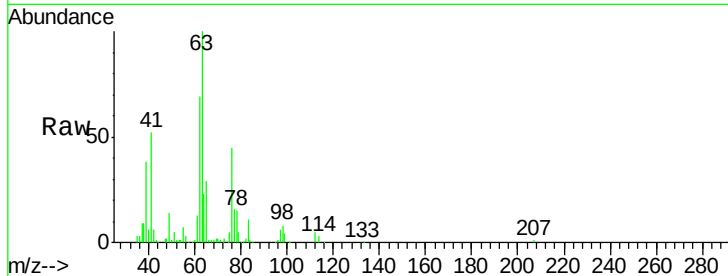
#45
 1,2-Dichloropropane
 Concen: 20.903 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	63	Resp	56321
Ion Ratio	Lower	Upper	
63	100		
65	29.4	23.4	35.0

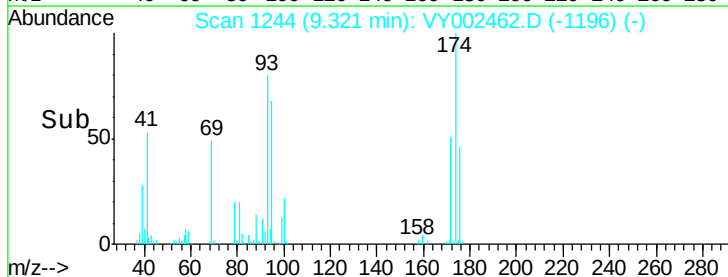
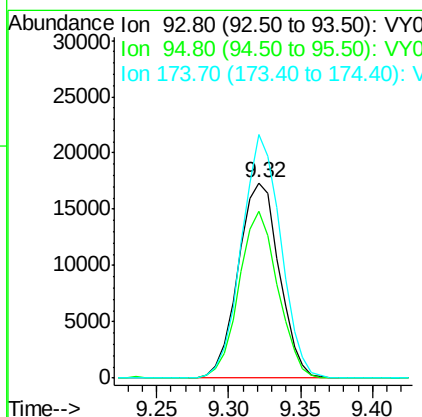
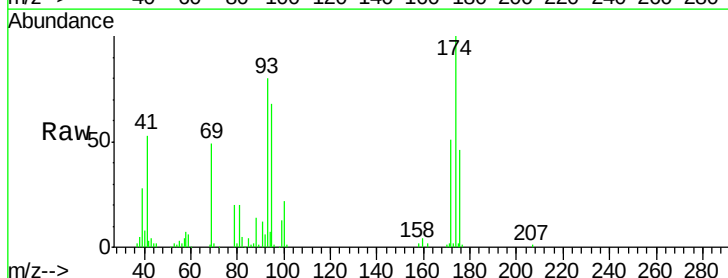
Manual Integrations
 APPROVED

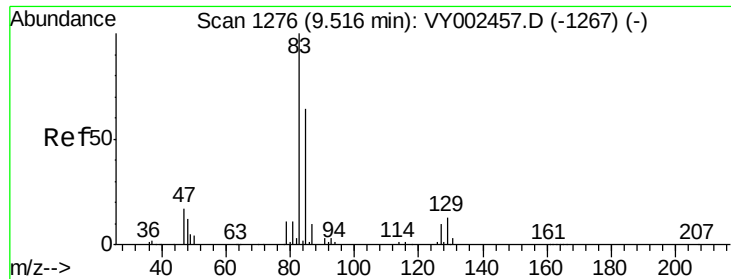
MMDadoda
 4/24/2020 1:33:44 PM



#46
 Dibromomethane
 Concen: 21.745 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	93	Resp	34278
Ion Ratio	Lower	Upper	
93	100		
95	80.8	65.4	98.0
174	118.7	94.8	142.2





#47

Bromodichloromethane

Concen: 20.858 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

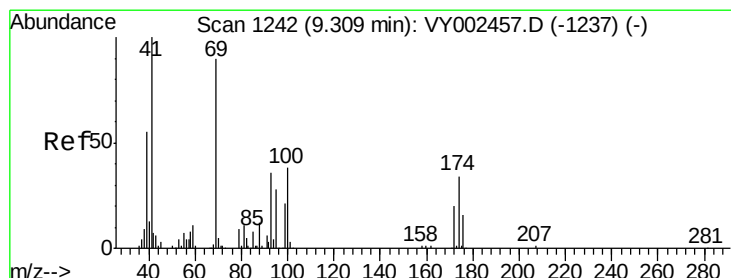
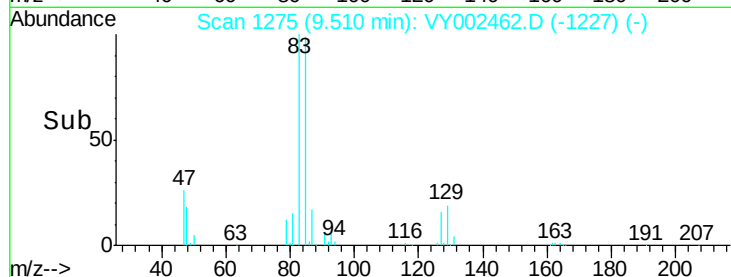
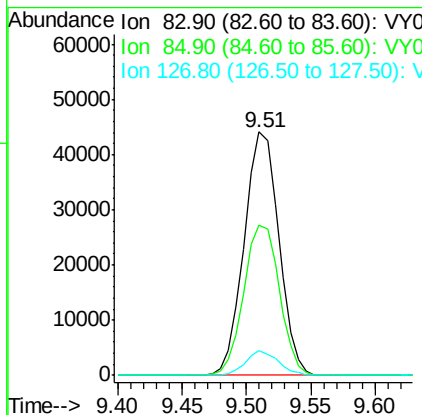
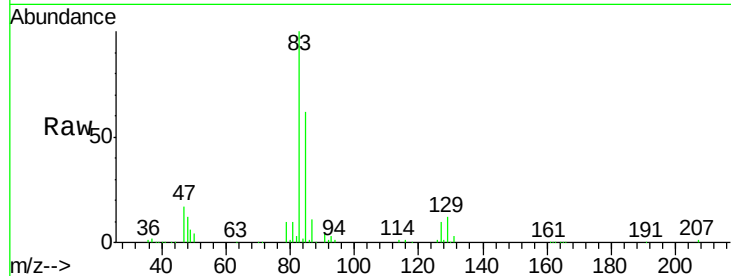
ClientSampleId :

VY0423SBS01

Tot Ion:	83	Resp:	82225
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.2	76.8
127	10.1	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:44 PM



#48

Methyl methacrylate

Concen: 21.928 ug/l

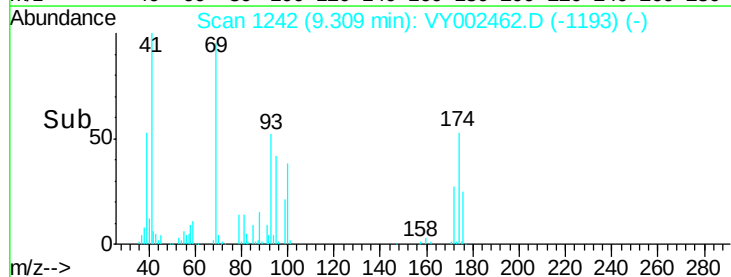
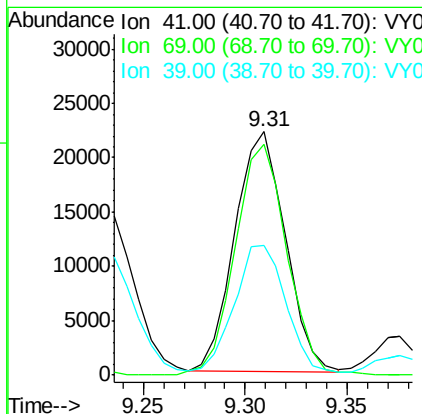
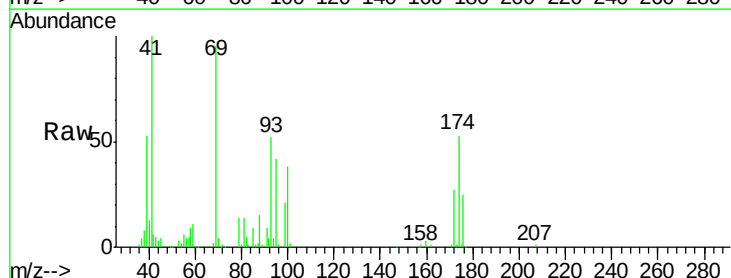
RT: 9.31 min Scan# 1242

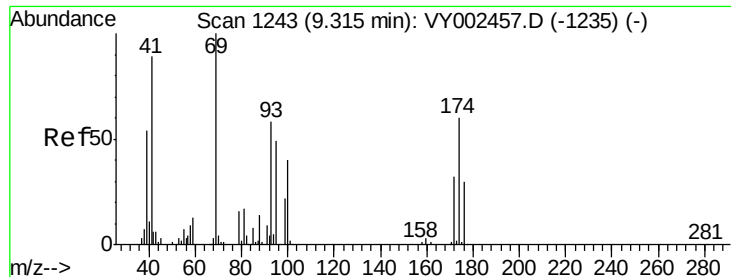
Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	41	Resp:	38045
Ion	Ratio	Lower	Upper
41	100		
69	97.9	77.9	116.9
39	53.7	47.9	71.9





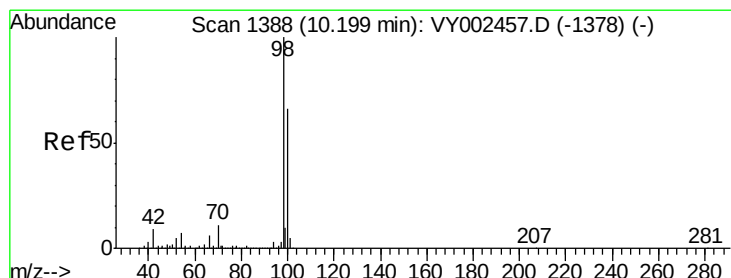
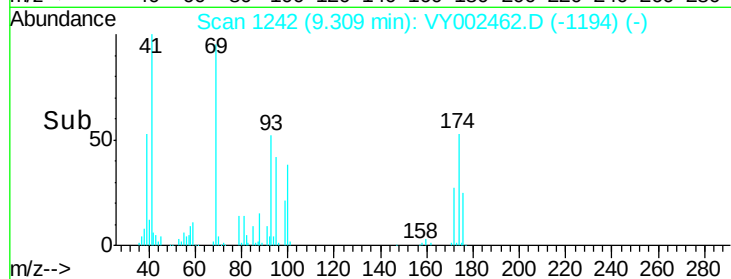
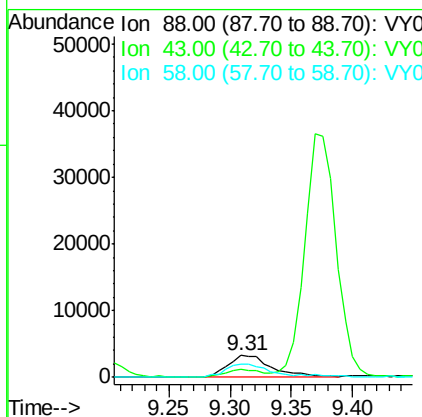
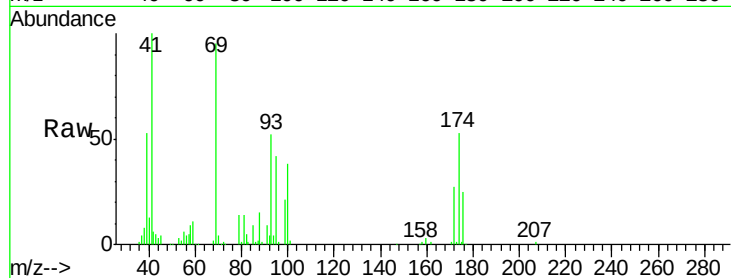
#49
1,4-Dioxane
Concen: 417.676 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.9	34.3
58	68.6	49.5	74.3

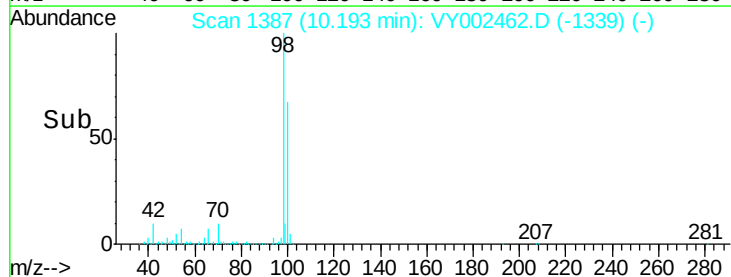
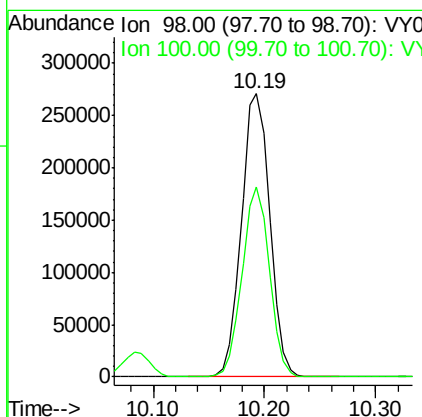
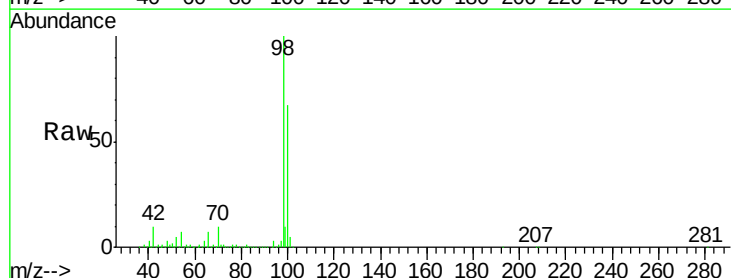
Manual Integrations
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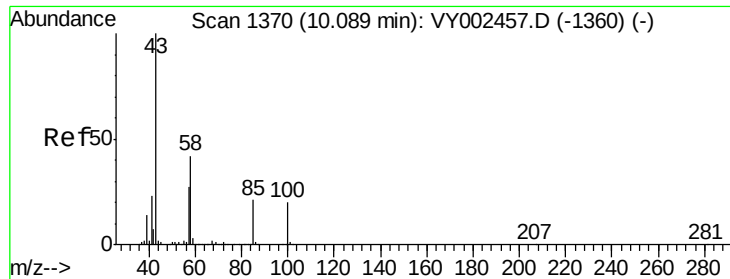
MMDadoda
4/24/2020 1:33:44 PM



#50
Toluene-d8
Concen: 44.758 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 110.668 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 43 Resp: 218466

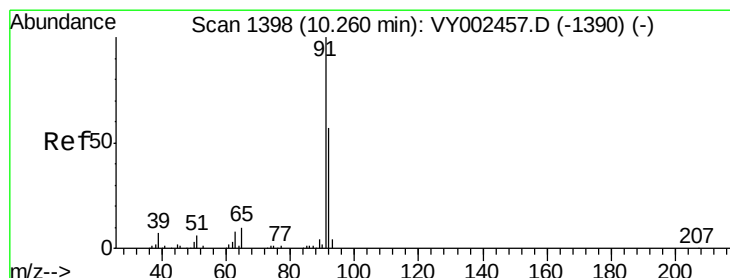
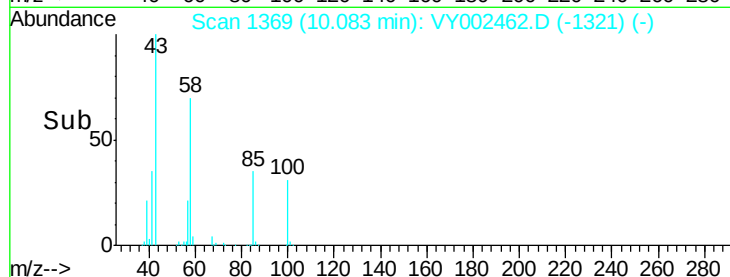
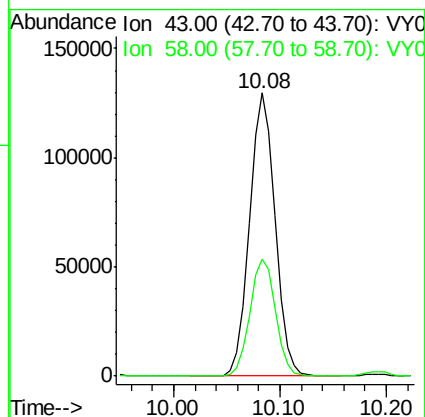
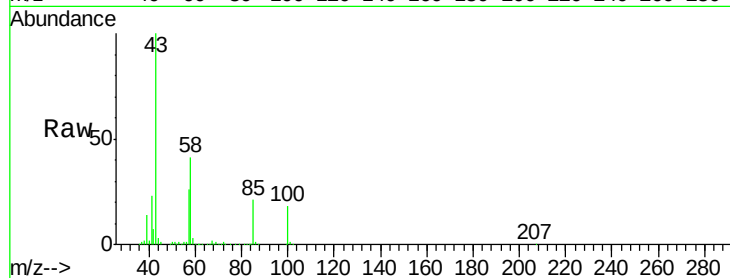
Ion Ratio Lower Upper

43 100

58 41.6 33.2 49.8

Manual Integrations
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#52

Toluene

Concen: 20.518 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002462.D

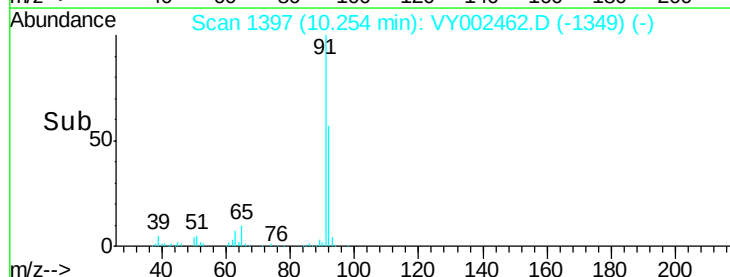
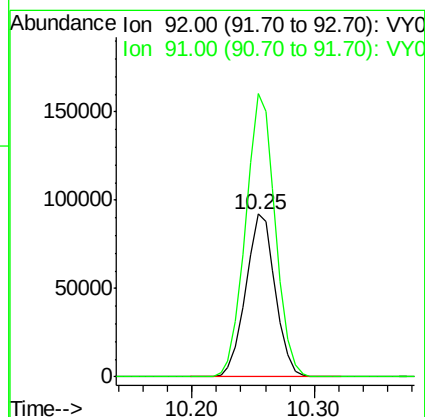
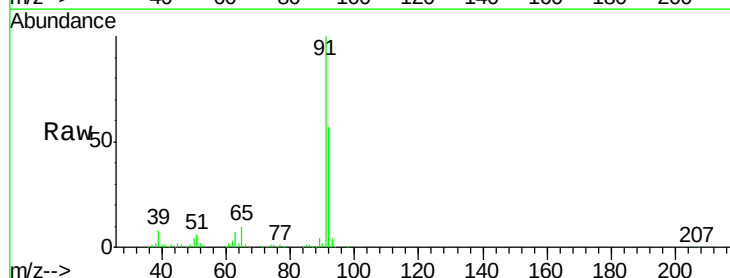
Acq: 23 Apr 2020 16:18

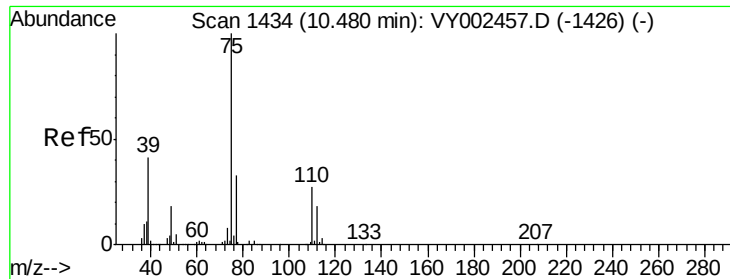
Tgt Ion: 92 Resp: 154404

Ion Ratio Lower Upper

92 100

91 174.2 140.2 210.2





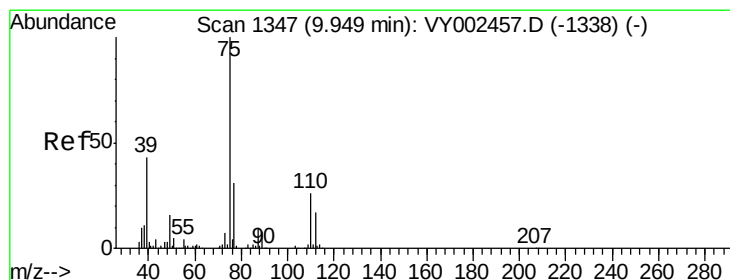
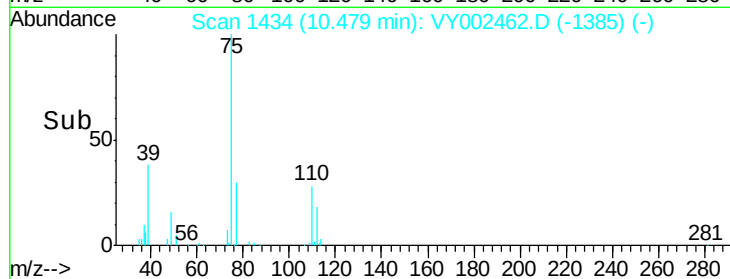
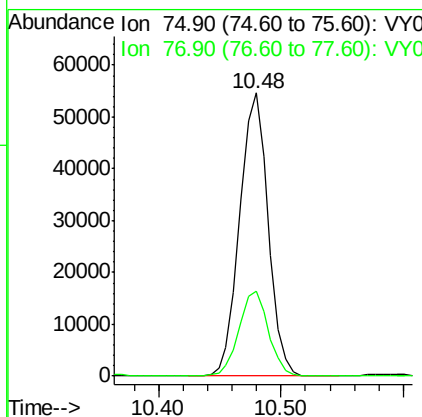
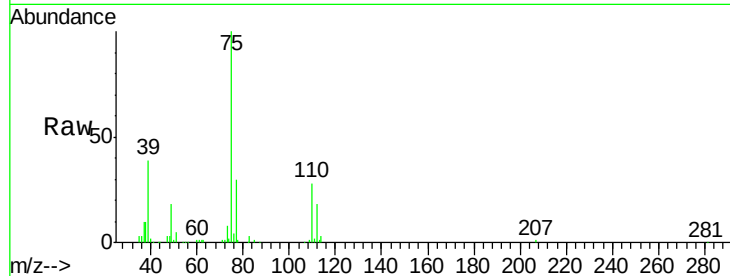
#53
t-1,3-Dichloropropene
Concen: 21.260 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	26.4	39.6

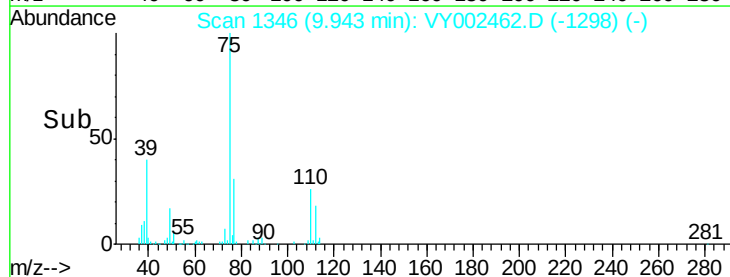
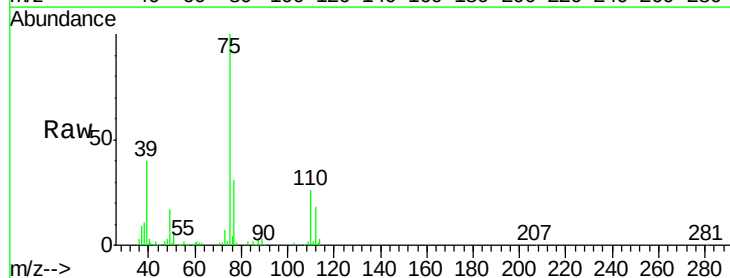
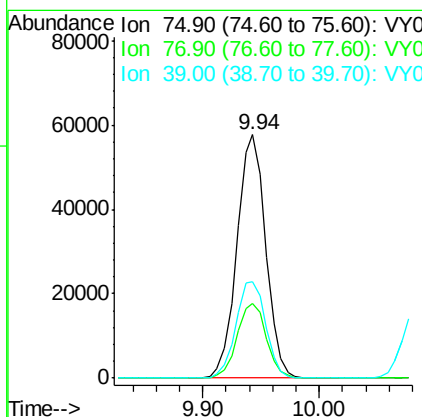
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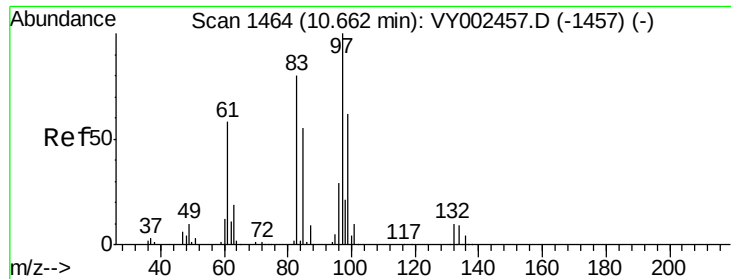
MMDadoda
4/24/2020 1:33:44 PM



#54
cis-1,3-Dichloropropene
Concen: 20.933 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	39.8	34.2	51.2





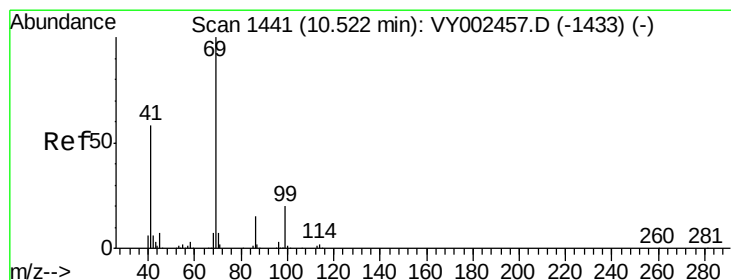
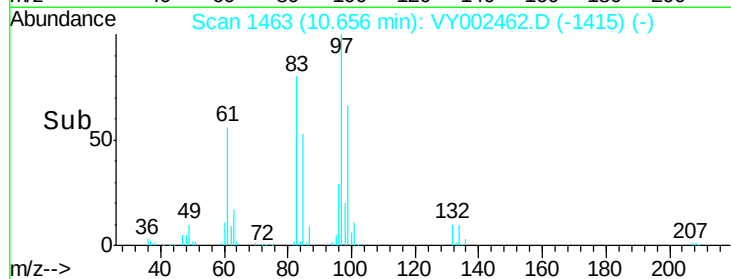
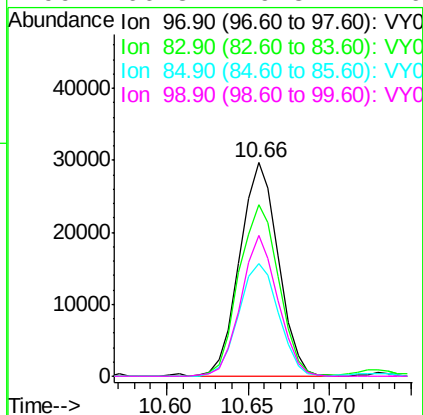
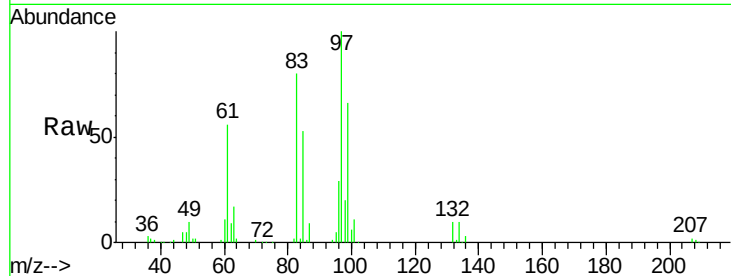
#55
 1,1,2-Trichloroethane
 Concen: 20.867 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	97	Resp	48636
Ion	Ratio	Lower	Upper
97	100		
83	80.2	63.8	95.8
85	52.9	43.9	65.9
99	66.3	49.8	74.6

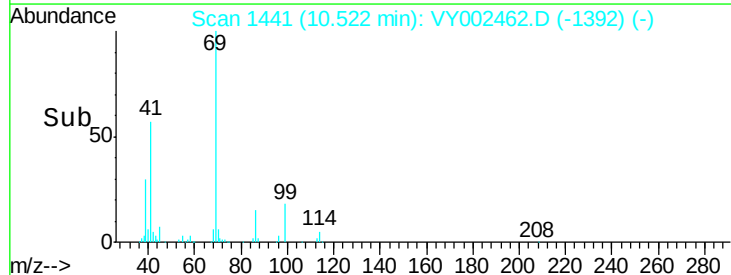
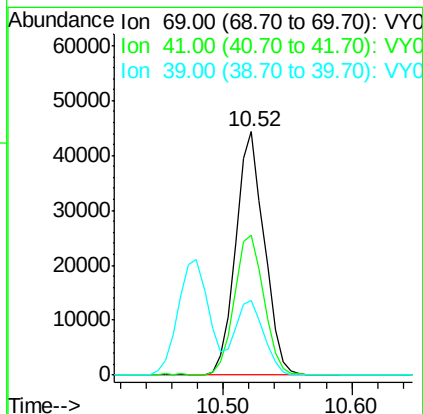
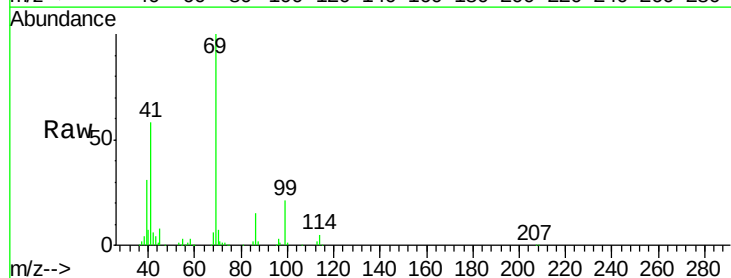
Manual Integrations
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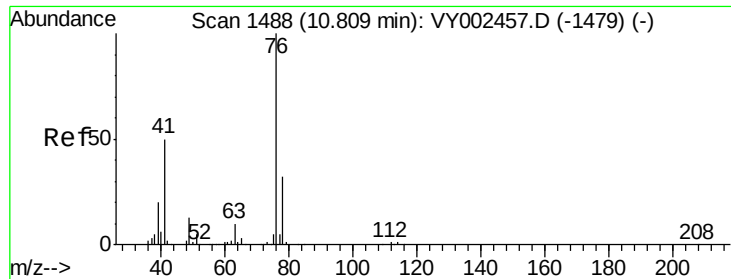
MMDadoda
 4/24/2020 1:33:44 PM



#56
 Ethyl methacrylate
 Concen: 21.415 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	69	Resp	68203
Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.5	71.3
39	31.7	25.7	38.5





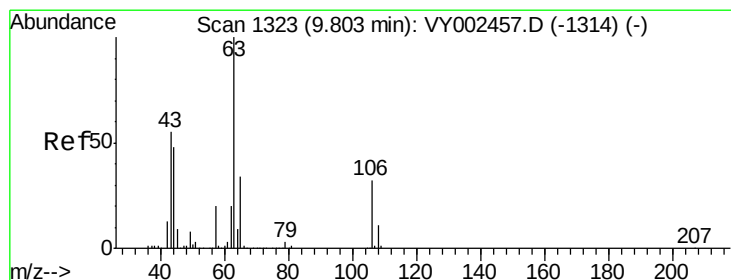
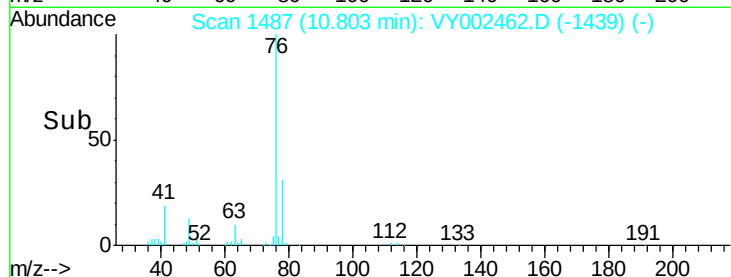
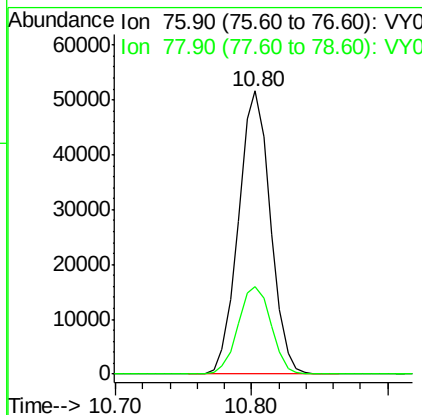
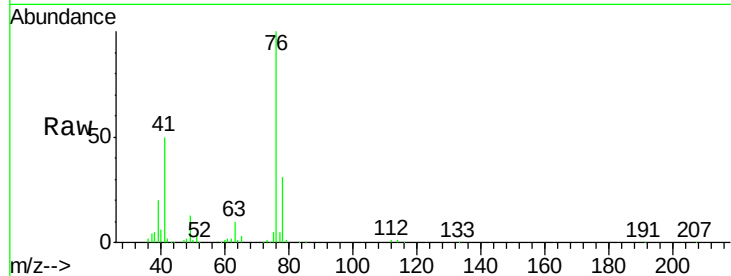
#57
 1,3-Dichloropropane
 Concen: 21.457 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion: 76 Resp: 84434
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.4

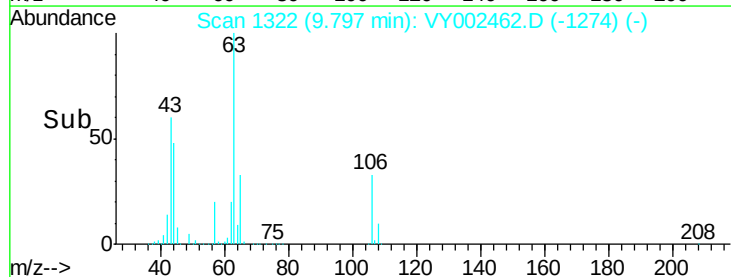
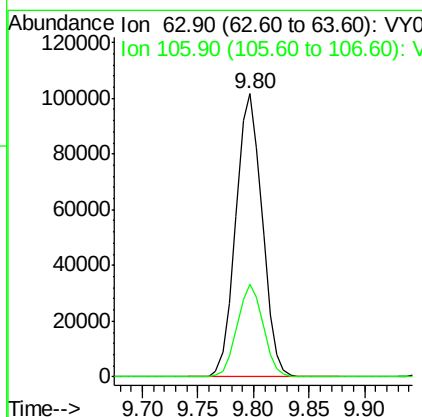
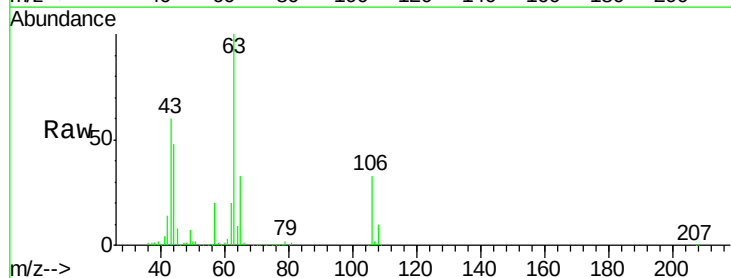
Manual Integrations
 APPROVED

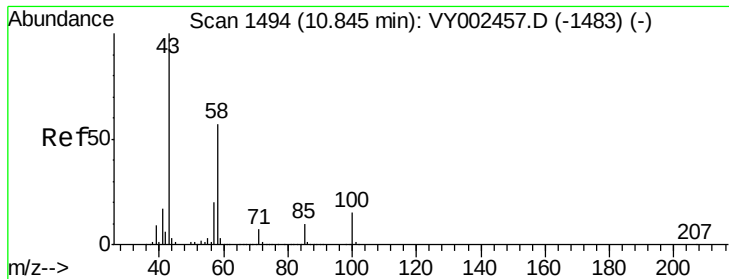
MMDadoda
 4/24/2020 1:33:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.389 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion: 63 Resp: 166928
 Ion Ratio Lower Upper
 63 100
 106 32.2 26.0 39.0





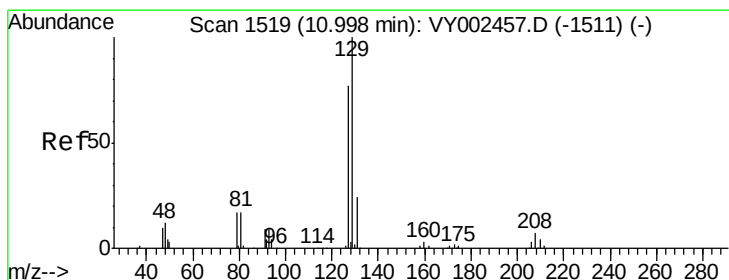
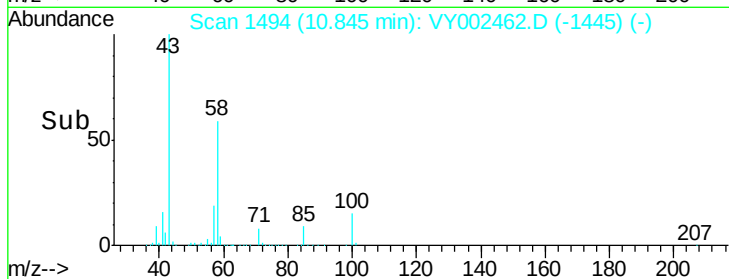
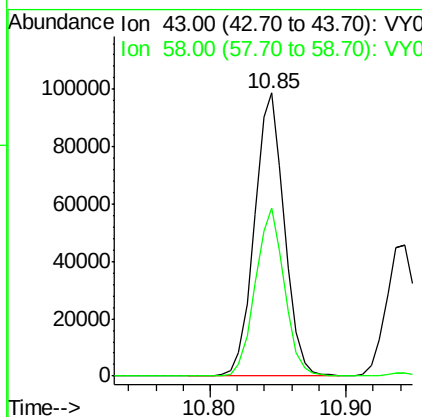
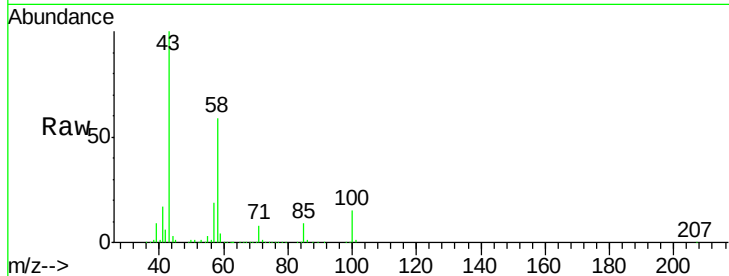
#59
2-Hexanone
Concen: 110.373 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion: 43 Resp: 151873
Ion Ratio Lower Upper
43 100
58 57.9 28.8 86.4

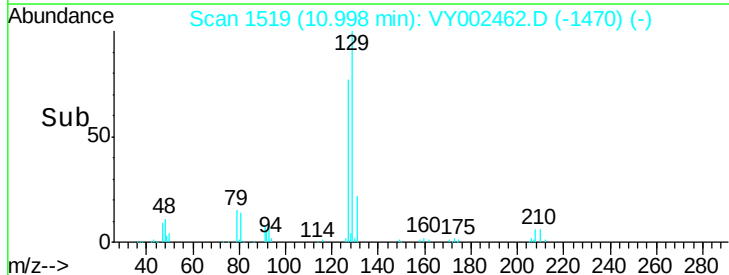
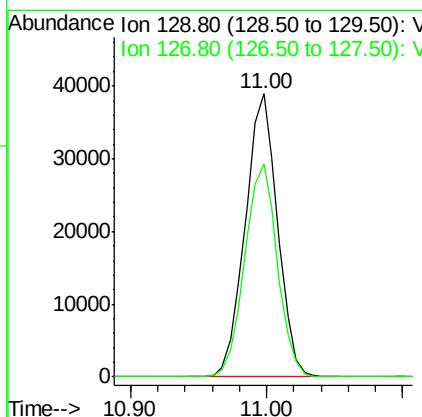
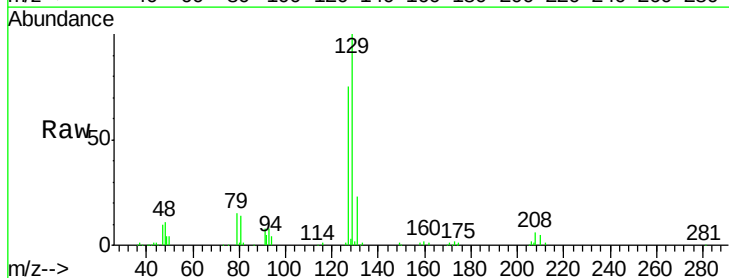
Manual Integrations
APPROVED

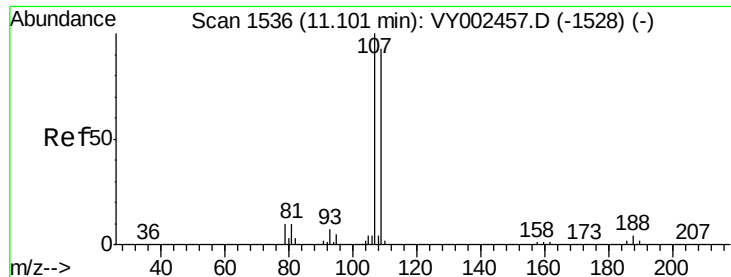
MMDadoda
4/24/2020 1:33:44 PM



#60
Dibromochloromethane
Concen: 21.228 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion: 129 Resp: 64831
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 21.217 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 107 Resp: 49037

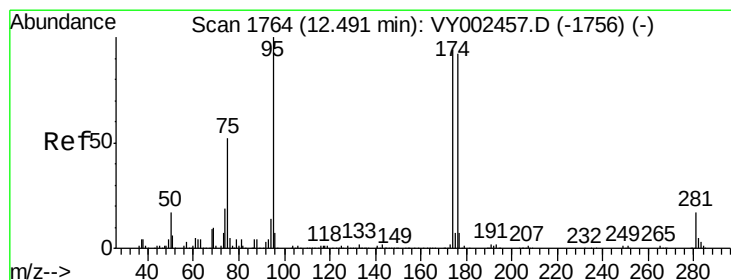
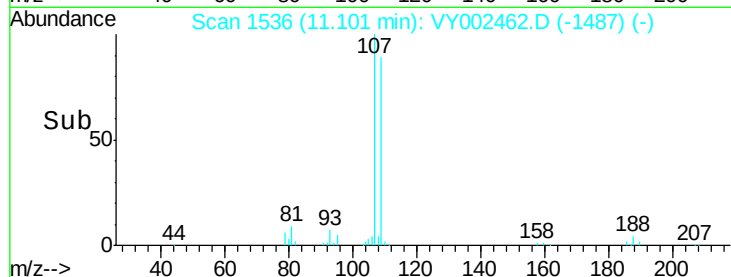
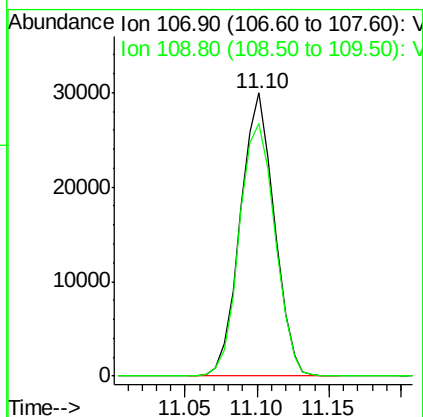
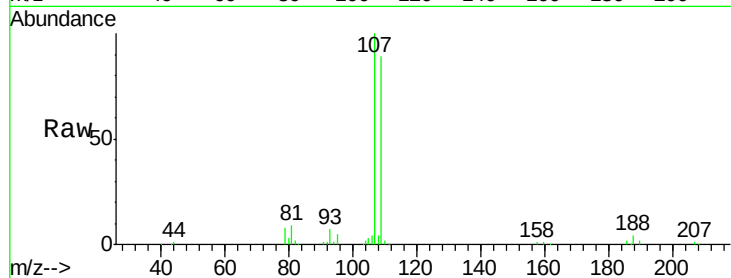
Ion Ratio Lower Upper

107 100

109 94.1 74.9 112.3

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:44 PM



#62

4-Bromofluorobenzene

Concen: 45.465 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

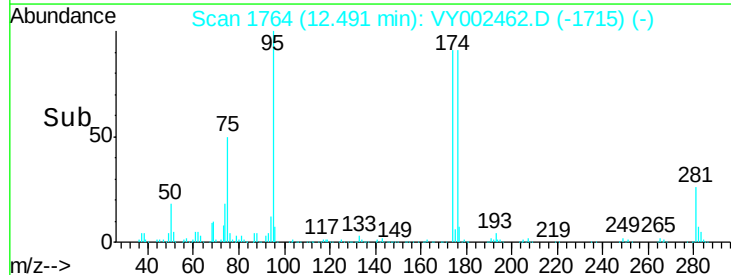
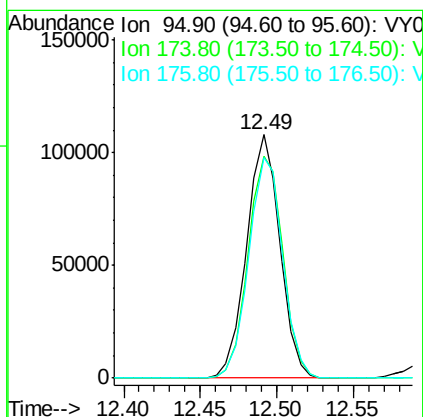
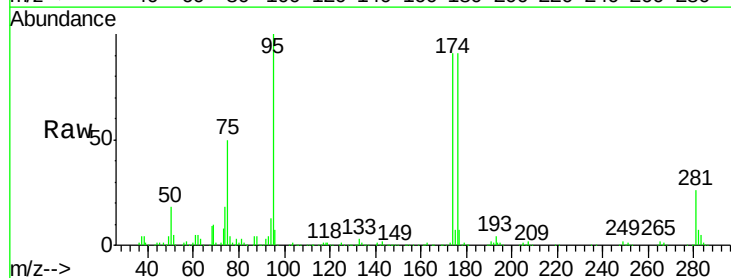
Tgt Ion: 95 Resp: 163142

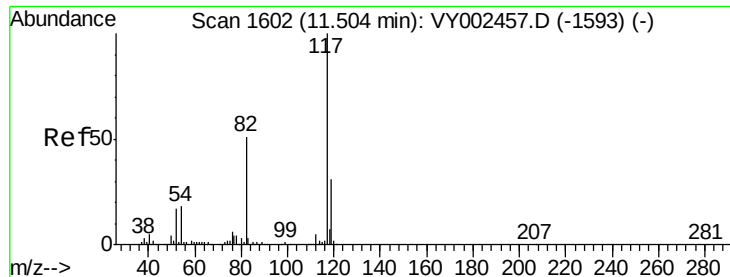
Ion Ratio Lower Upper

95 100

174 95.0 0.0 193.0

176 92.5 0.0 190.4





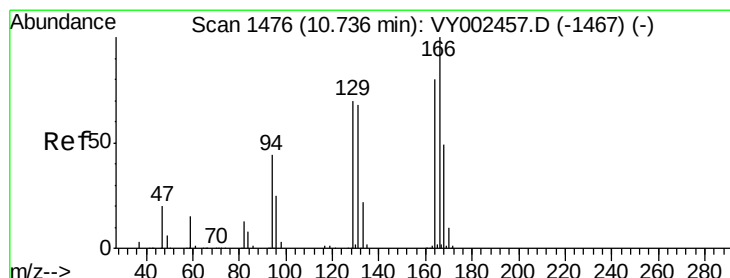
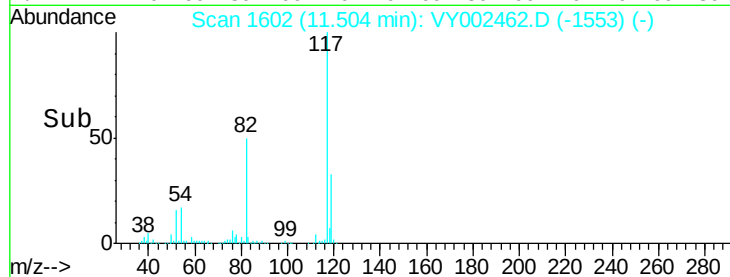
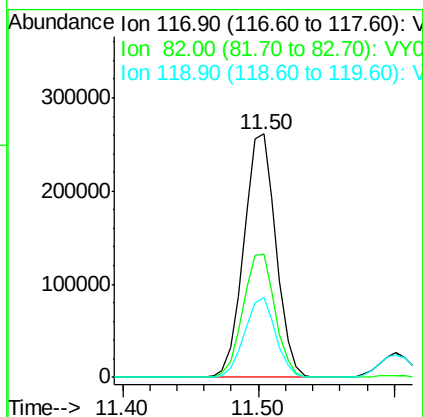
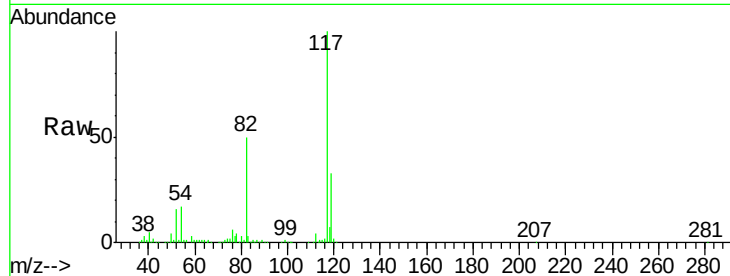
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.8	61.2
119	32.8	25.2	37.8

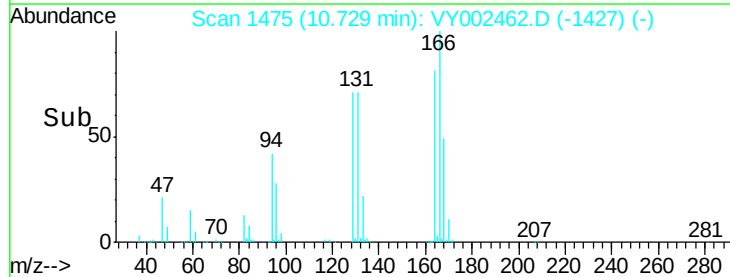
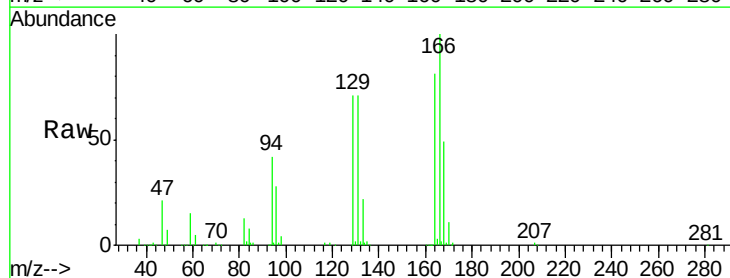
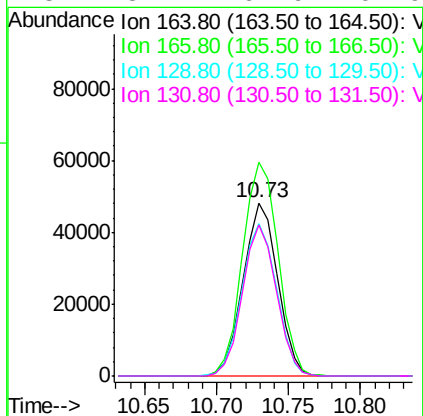
Manual Integrations
APPROVED

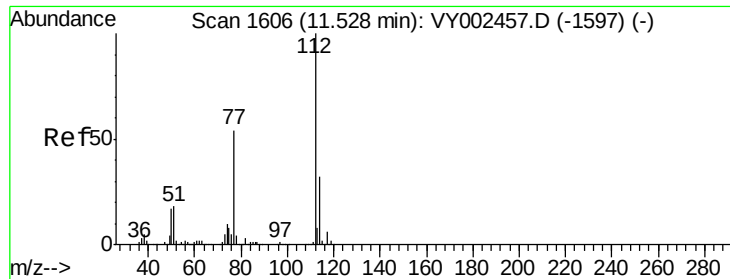
MMDadoda
4/24/2020 1:33:44 PM



#64
Tetrachloroethene
Concen: 20.167 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.0	150.0
129	88.1	69.8	104.8
131	87.4	67.9	101.9





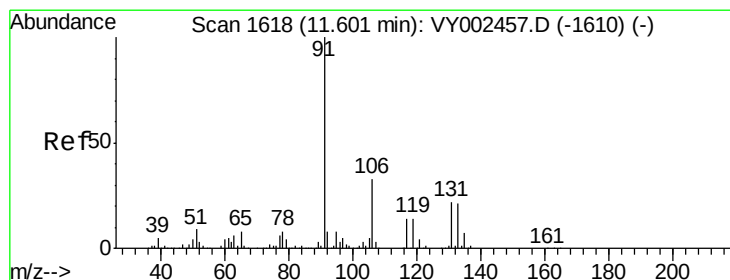
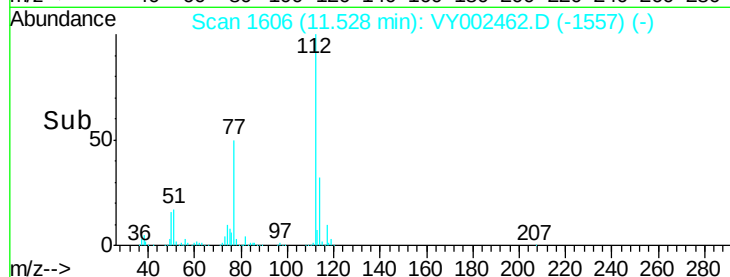
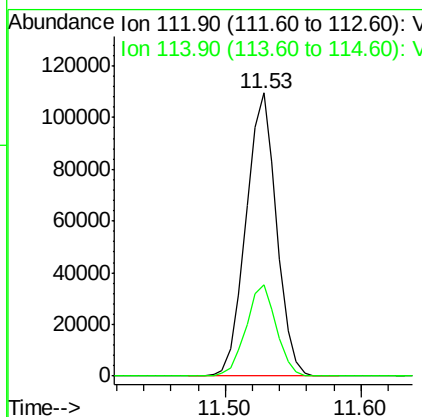
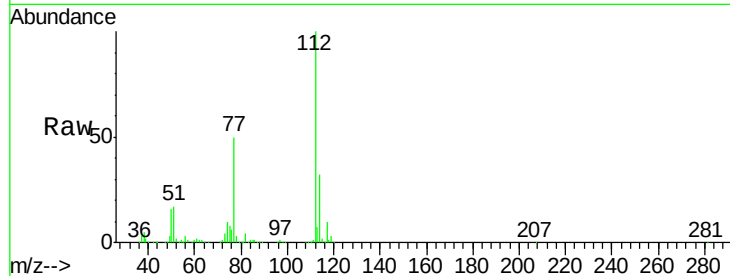
#65
Chlorobenzene
Concen: 20.661 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion:112 Resp: 171661
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

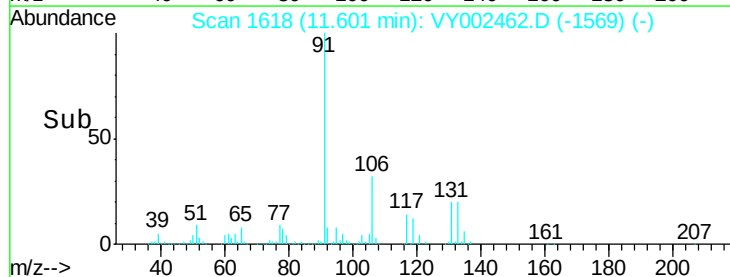
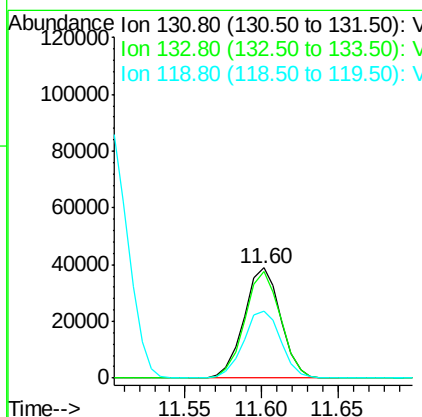
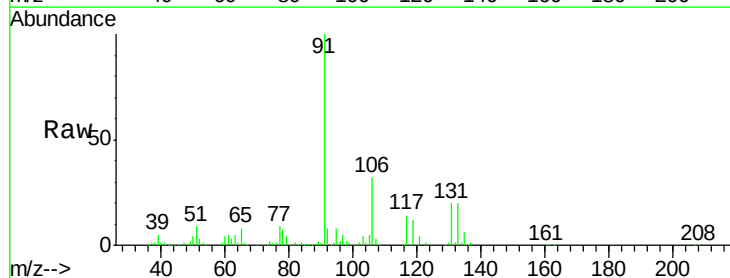
Manual Integrations
APPROVED

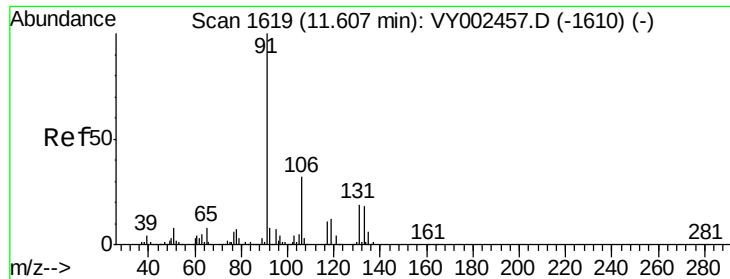
MMDadoda
4/24/2020 1:33:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.645 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion:131 Resp: 64361
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.4
119 62.3 31.1 93.3





#67

Ethyl Benzene

Concen: 20.373 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 91 Resp: 301679

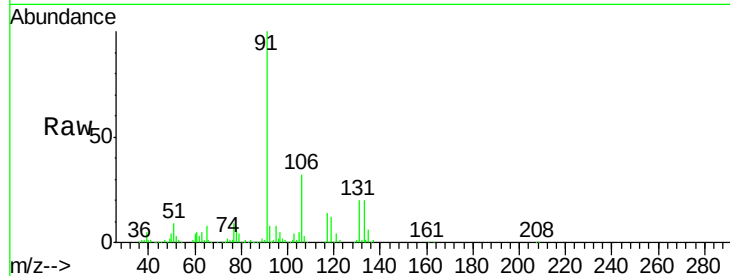
Ion Ratio Lower Upper

91 100

106 31.9 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:44 PM



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

Ion 106.00 (105.70 to 106.70): VY002457.D (-1610) (-)

11.60

200000

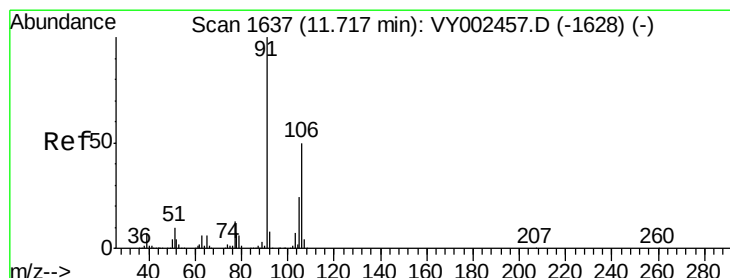
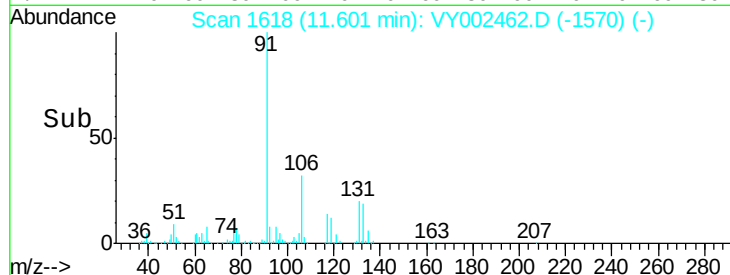
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 40.114 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.01 min

Lab File: VY002462.D

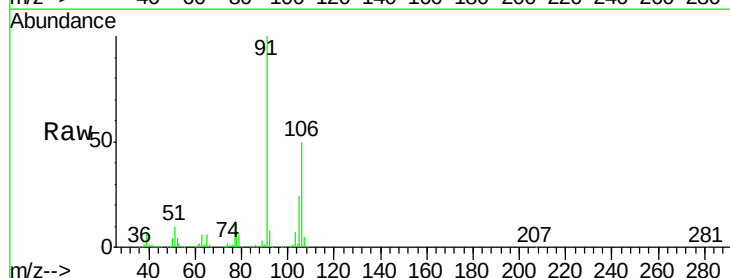
Acq: 23 Apr 2020 16:18

Tgt Ion: 106 Resp: 228663

Ion Ratio Lower Upper

106 100

91 199.6 159.8 239.6



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

Ion 91.00 (90.70 to 91.70): VY002457.D (-1628) (-)

11.71

300000

250000

200000

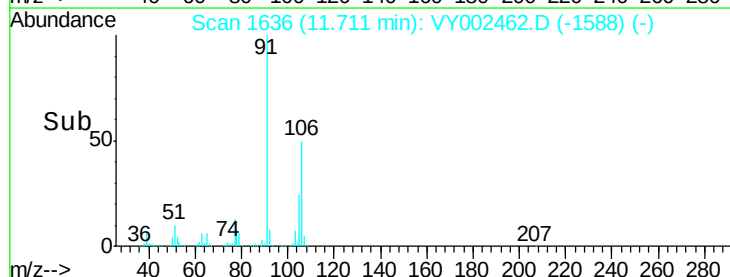
150000

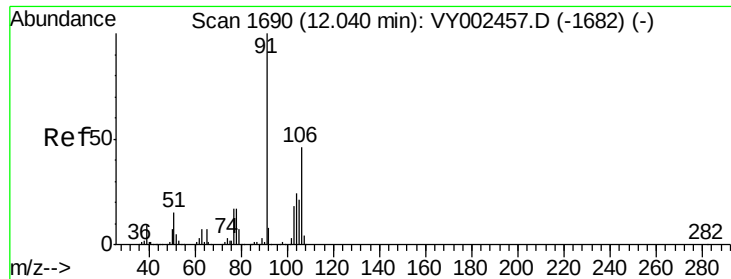
100000

50000

0

Time-->





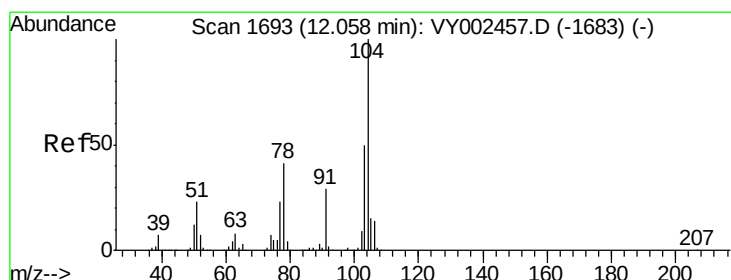
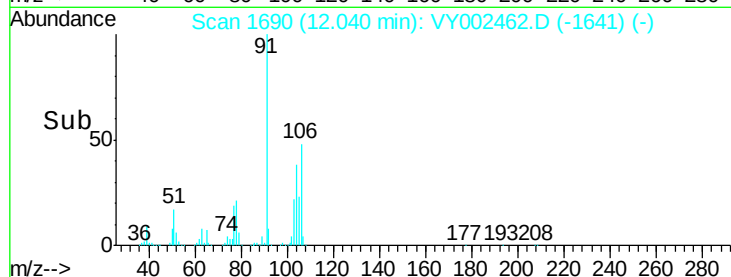
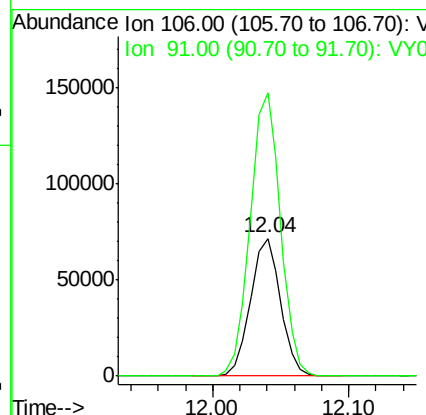
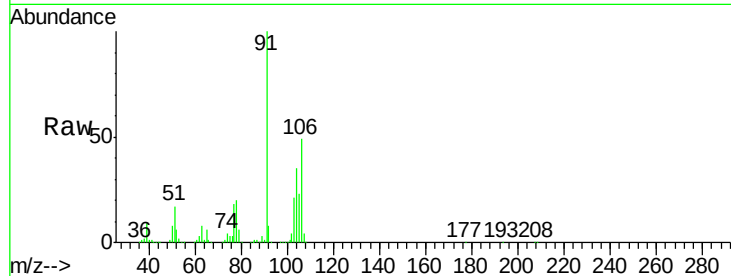
#69
o-Xylene
Concen: 21.042 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		111075		
91	206.8	104.5	313.3		

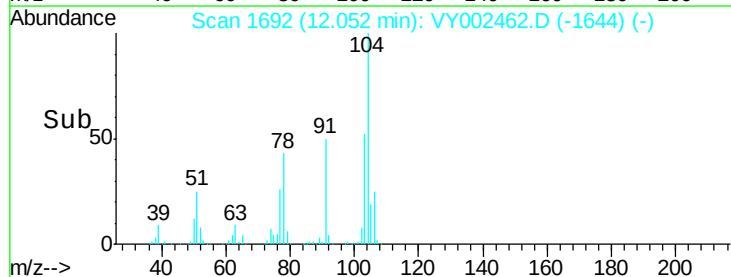
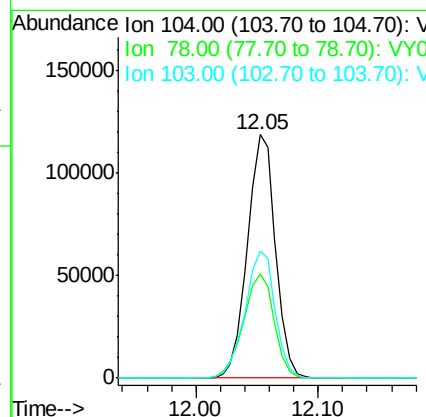
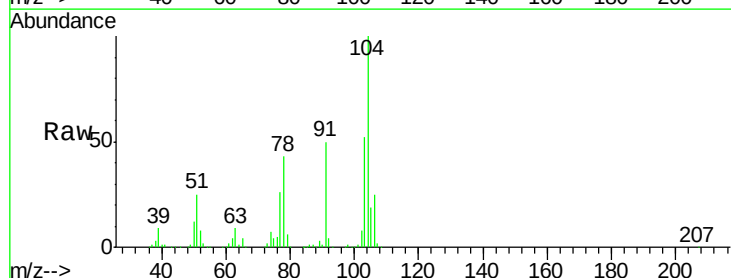
Manual Integrations
APPROVED

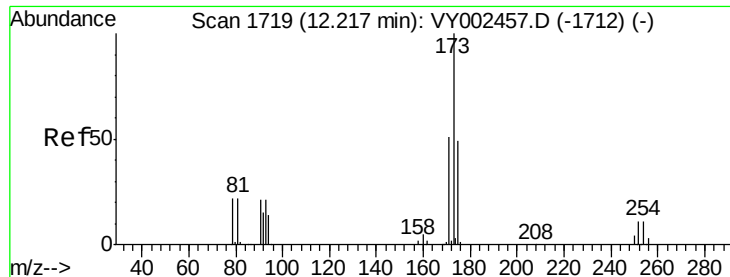
MMDadoda
4/24/2020 1:33:44 PM



#70
Styrene
Concen: 20.592 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		189277		
78	46.5	38.0	57.0		
103	55.7	44.4	66.6		





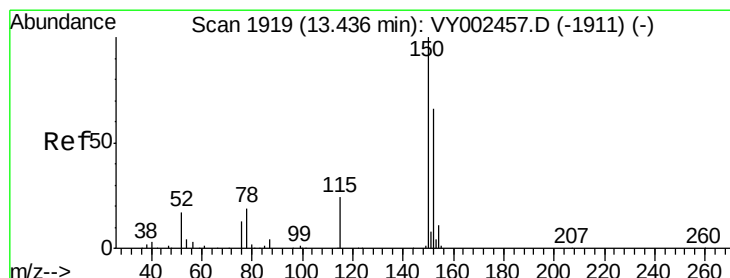
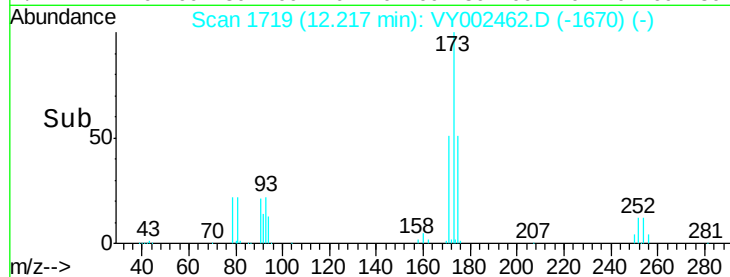
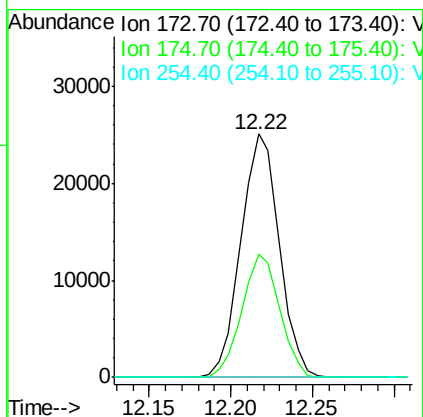
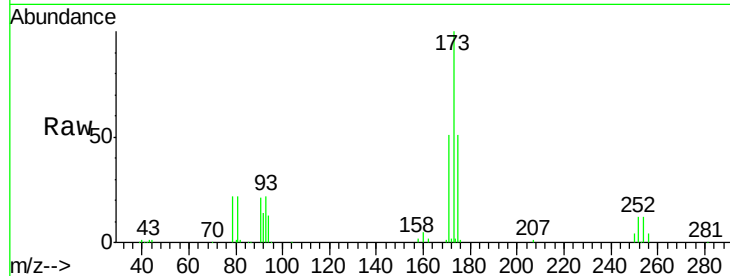
#71
Bromoform
Concen: 20.967 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	73.0
254	0.0	0.1	0.1#

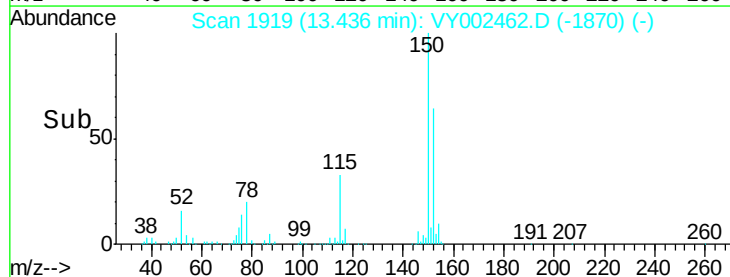
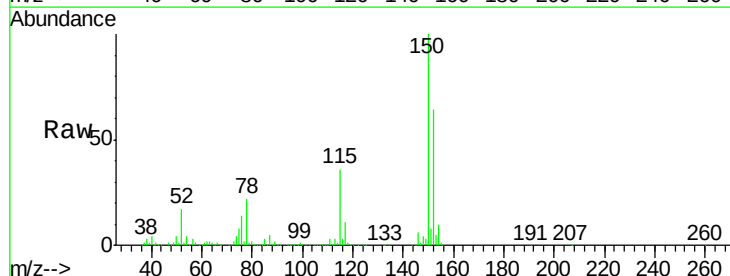
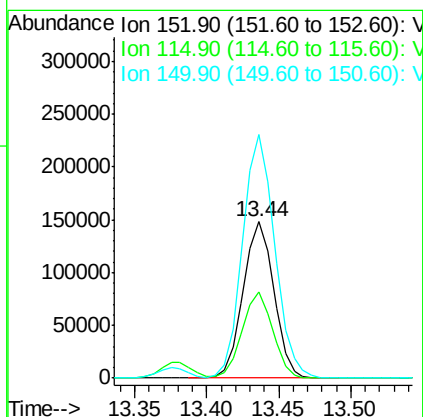
Manual Integrations
APPROVED

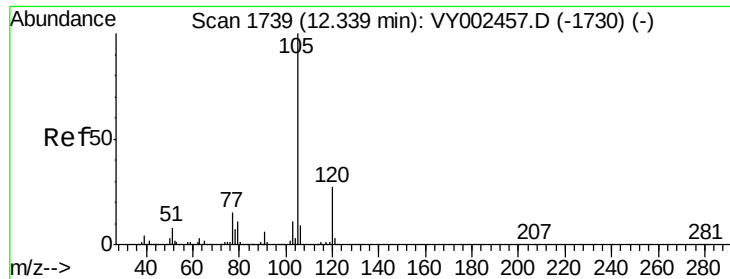
MMDadoda
4/24/2020 1:33:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.8
150	162.4	0.0	346.8





#73

Isopropylbenzene

Concen: 20.447 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 105 Resp: 300150

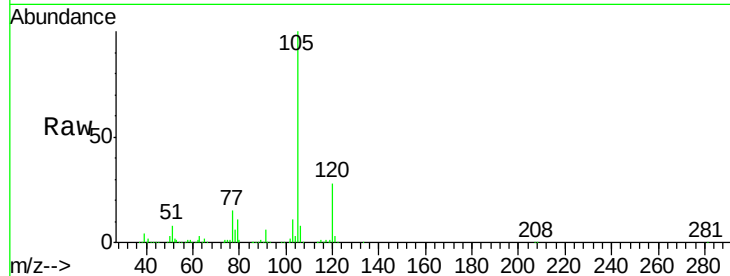
Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7

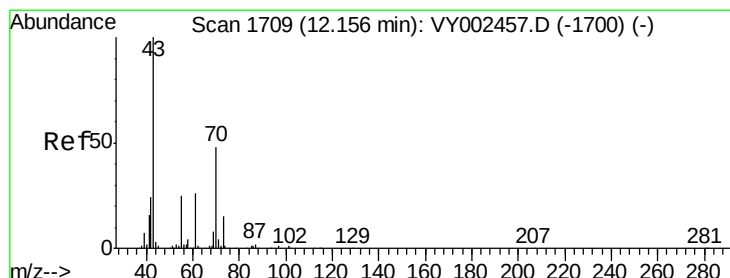
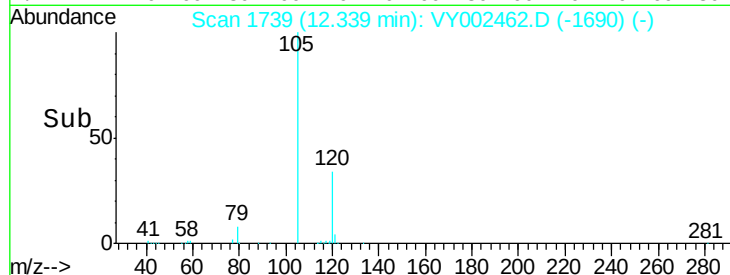
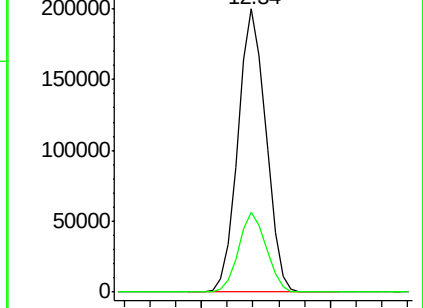
Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:44 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.760 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion: 43 Resp: 75694

Ion Ratio Lower Upper

43 100

70 46.7 37.2 55.8

55 24.0 19.6 29.4

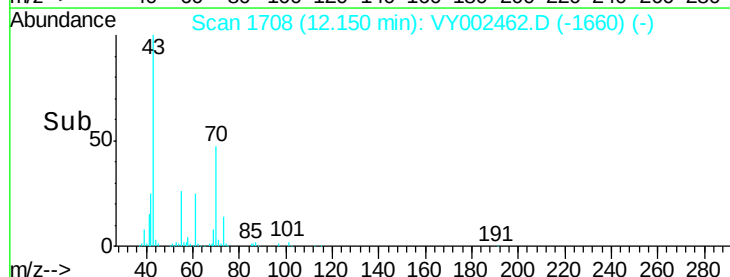
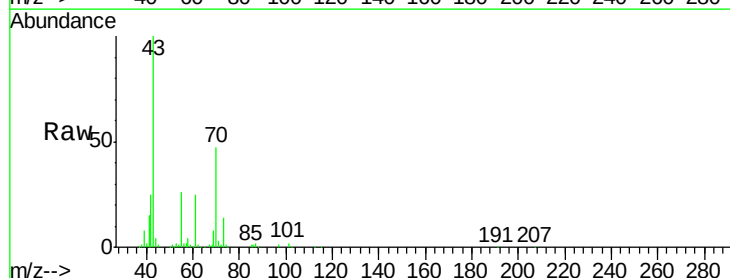
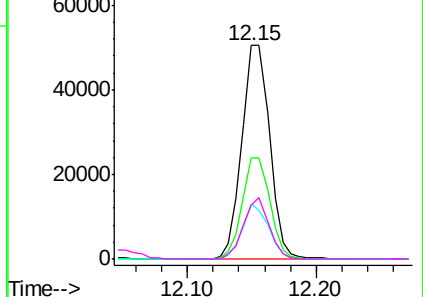
61 26.2 20.7 31.1

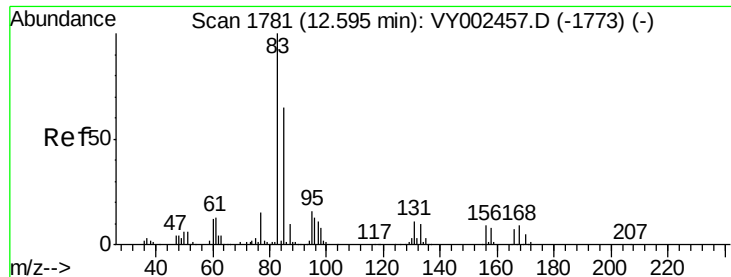
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.545 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

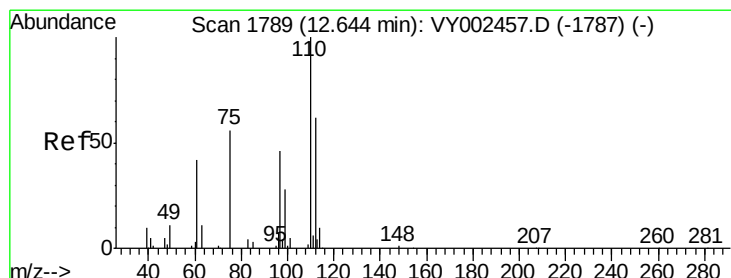
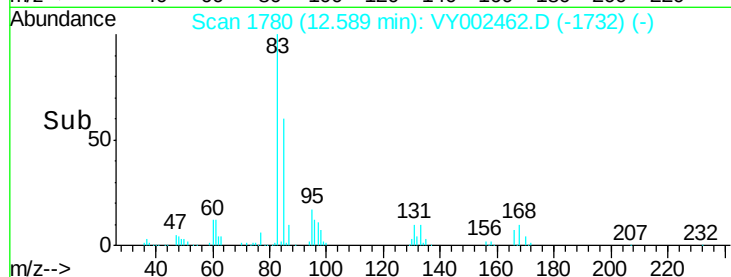
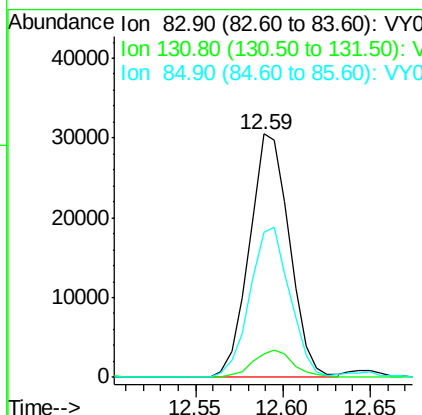
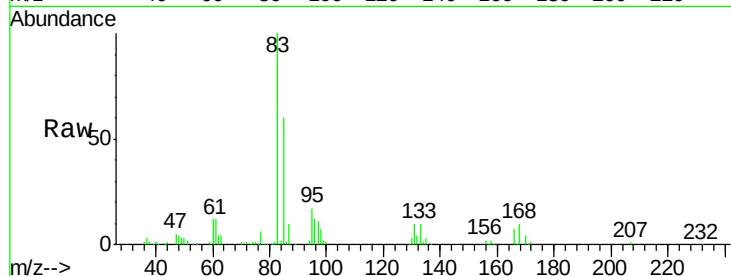
ClientSampleId :

VY0423SBS01

Tot Ion:	83	Resp:	48575
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.2	18.6
85	62.0	32.5	97.5

Manual Integrations
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4/24/2020 1:33:44 PM



#76

1,2,3-Trichloropropane

Concen: 20.573 ug/l m

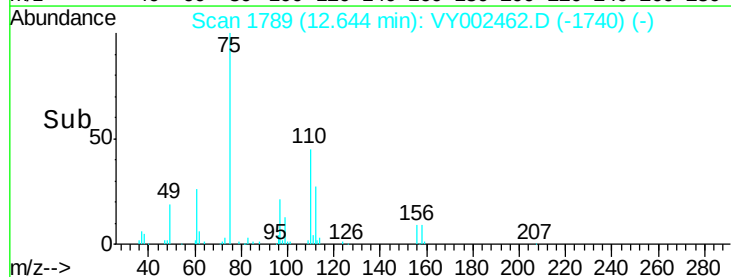
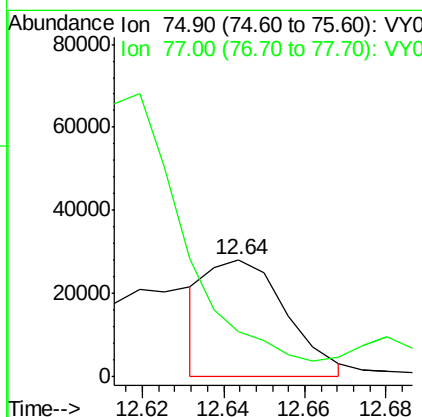
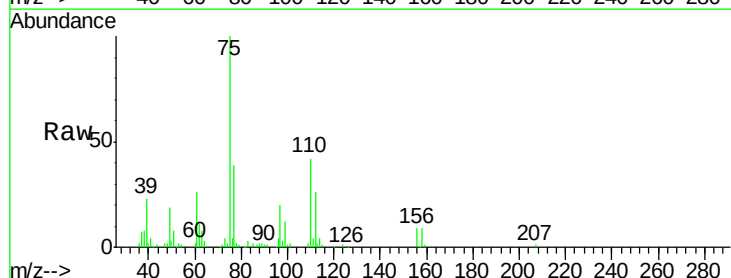
RT: 12.64 min Scan# 1789

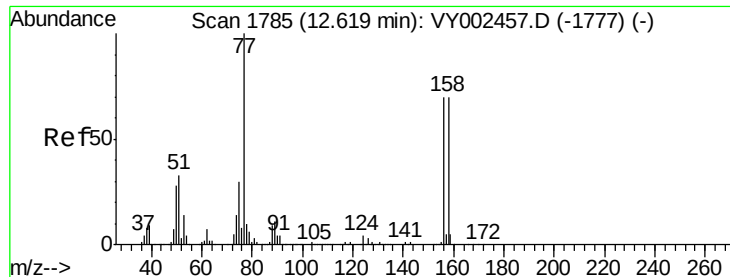
Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	75	Resp:	38288
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.687 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:156 Resp: 76163

Ion Ratio Lower Upper

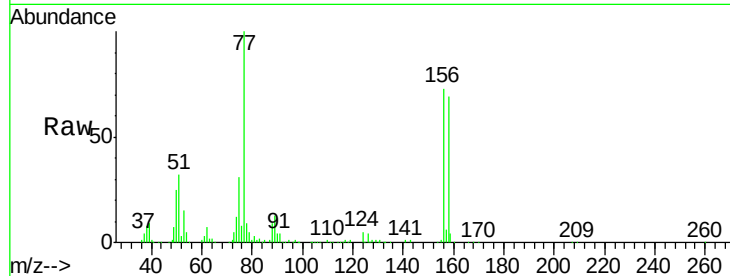
156 100

77 158.8 78.5 235.7

158 96.2 48.4 145.3

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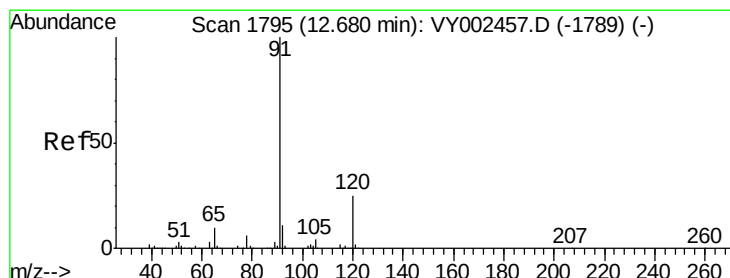
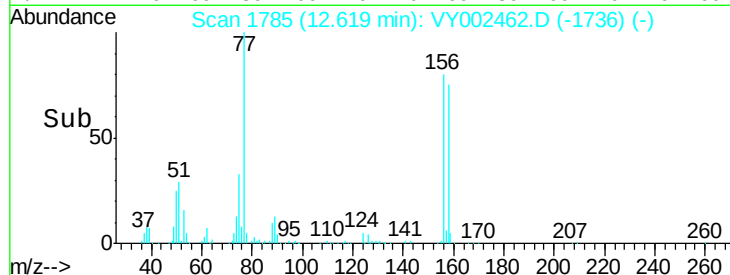
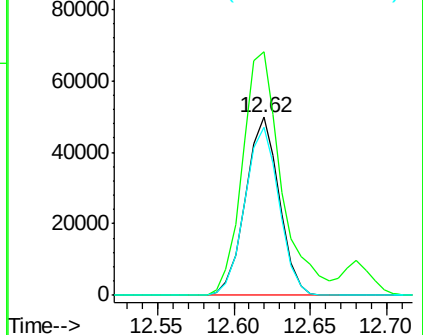
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.215 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002462.D

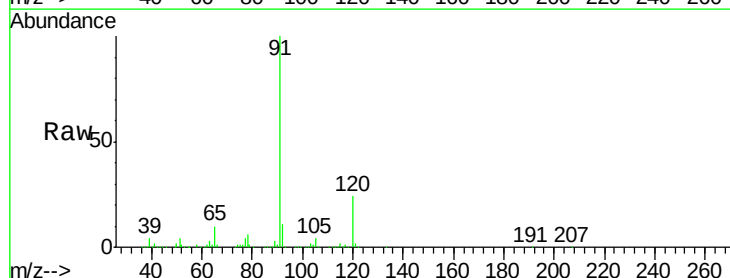
Acq: 23 Apr 2020 16:18

Tgt Ion: 91 Resp: 344554

Ion Ratio Lower Upper

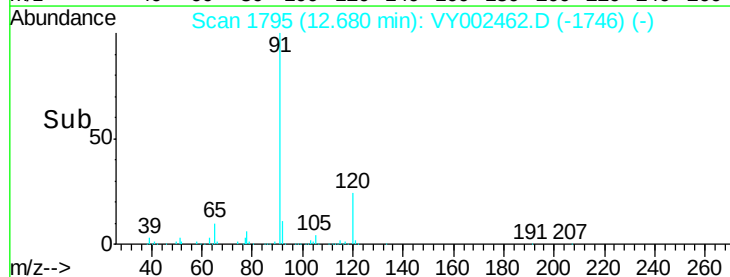
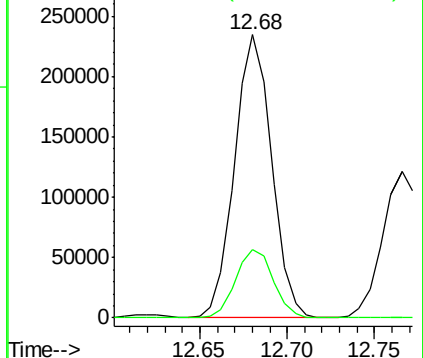
91 100

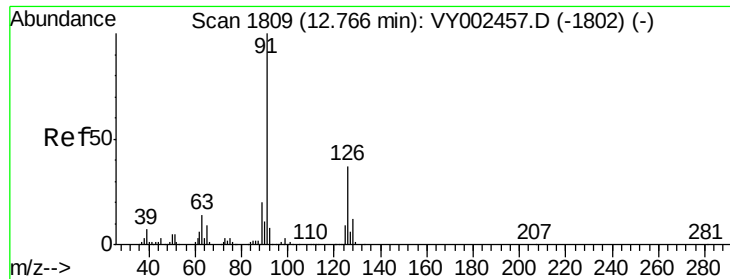
120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.295 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion: 91 Resp: 189279

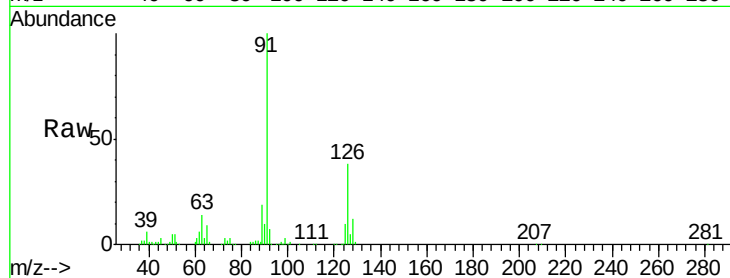
Ion Ratio Lower Upper

91 100

126 37.4 18.5 55.5

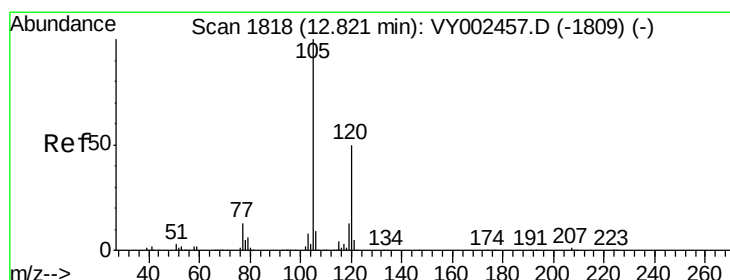
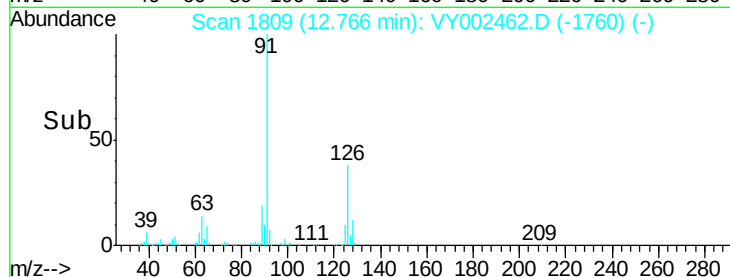
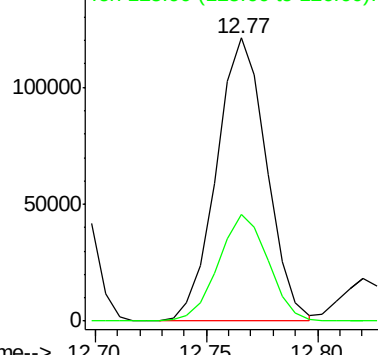
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.291 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002462.D

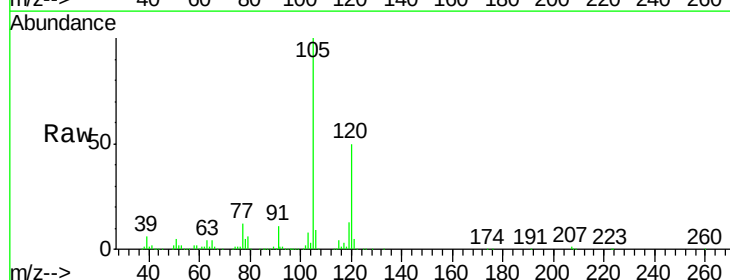
Acq: 23 Apr 2020 16:18

Tgt Ion:105 Resp: 252804

Ion Ratio Lower Upper

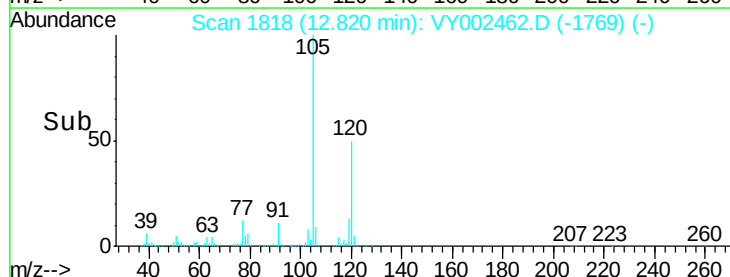
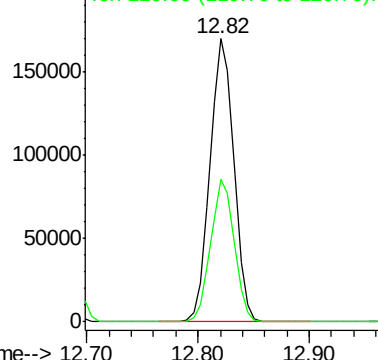
105 100

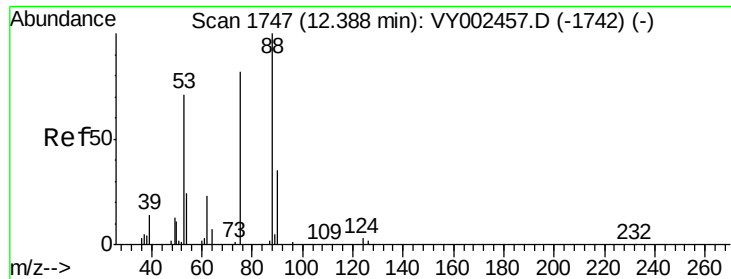
120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.264 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

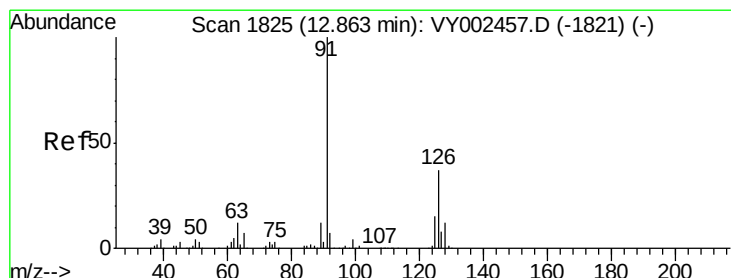
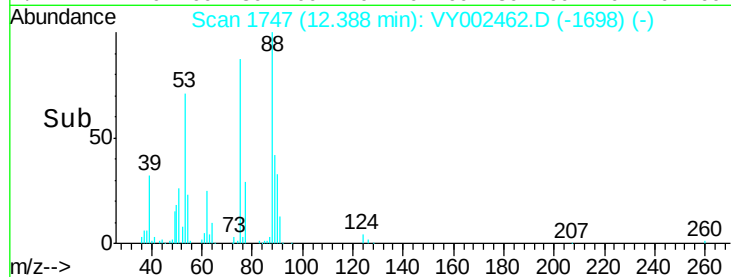
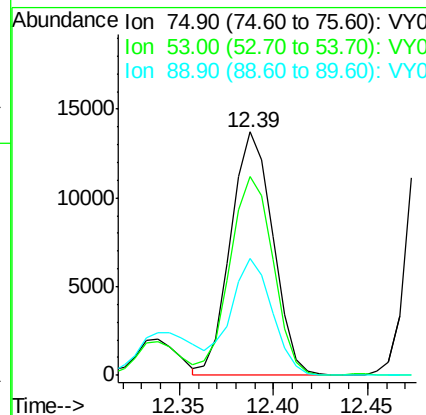
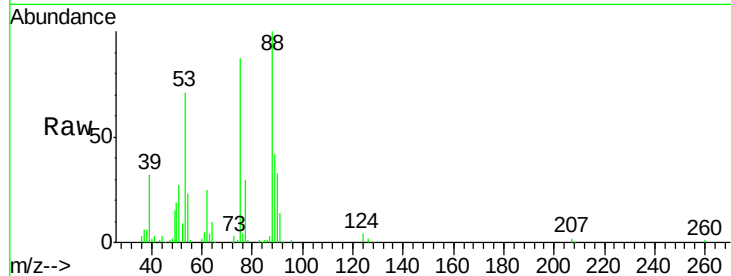
ClientSampleId :

VY0423SBS01

Tot Ion:	75	Resp:	21385
Ion	Ratio	Lower	Upper
75	100		
53	83.4	70.0	105.0
89	47.7	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.599 ug/l

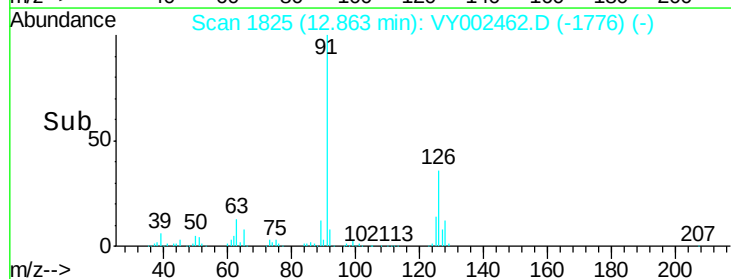
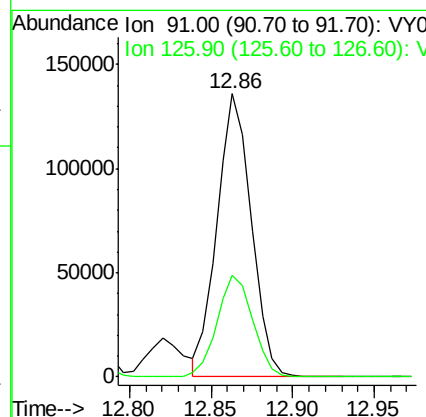
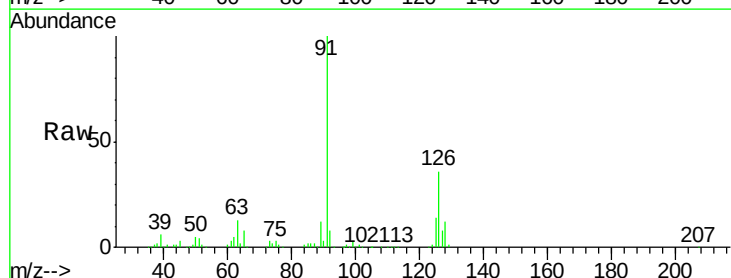
RT: 12.86 min Scan# 1825

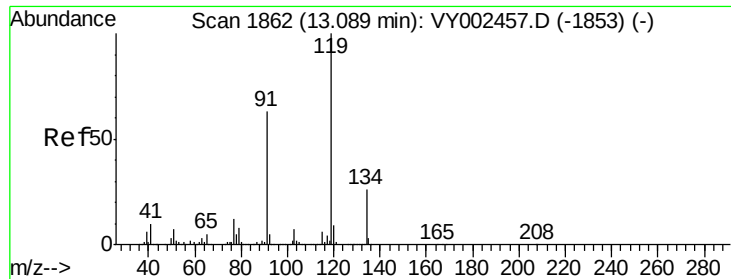
Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion:	91	Resp:	198558
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.5	55.5





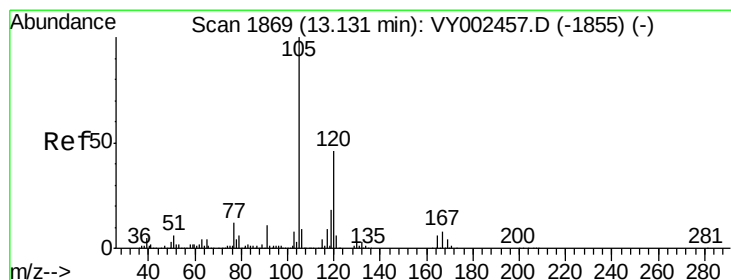
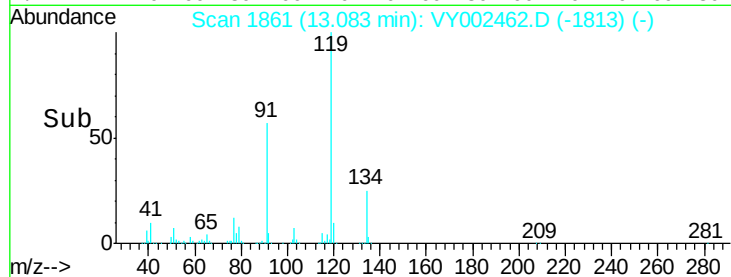
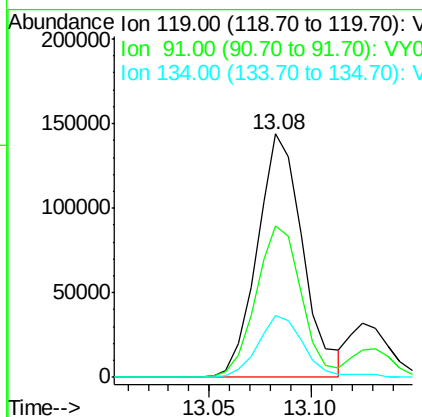
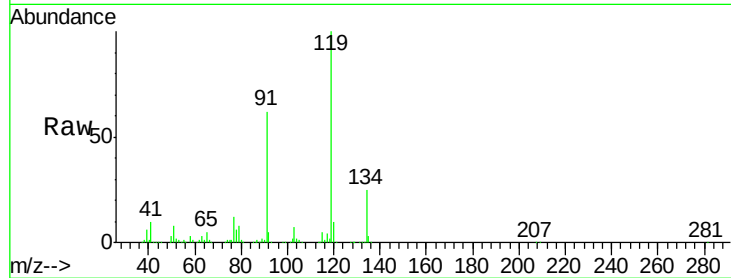
#83
 tert-Butylbenzene
 Concen: 20.691 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion:	119	Resp:	223867
Ion Ratio	Lower	Upper	
119	100		
91	62.2	30.8	92.3
134	26.1	13.2	39.6

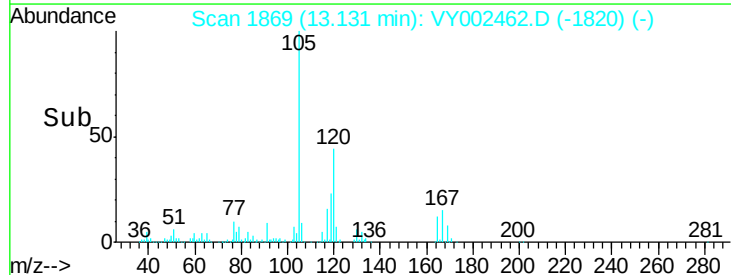
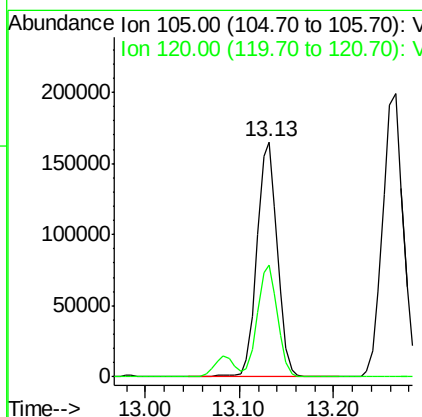
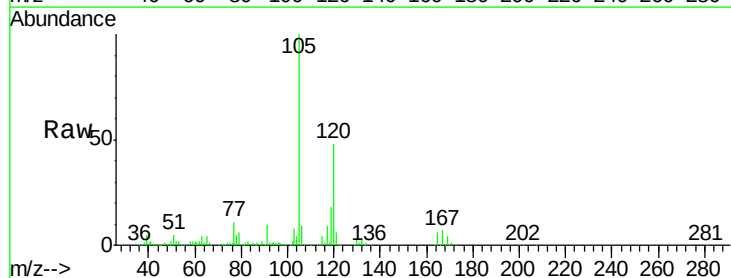
Manual Integrations
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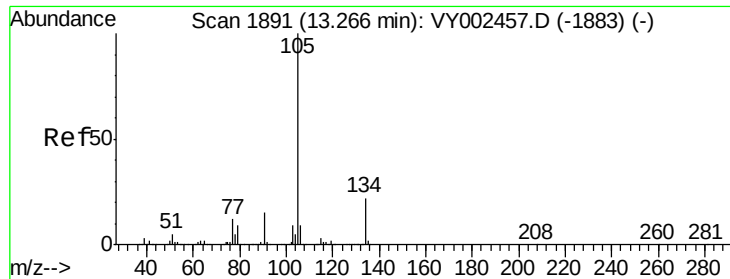
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.079 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion:	105	Resp:	251966
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

ClientSampleId :

VY0423SBS01

Tot Ion:105 Resp: 301860

Ion Ratio Lower Upper

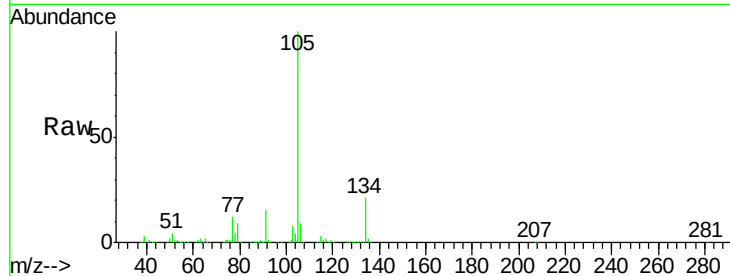
105 100

134 21.7 10.8 32.3

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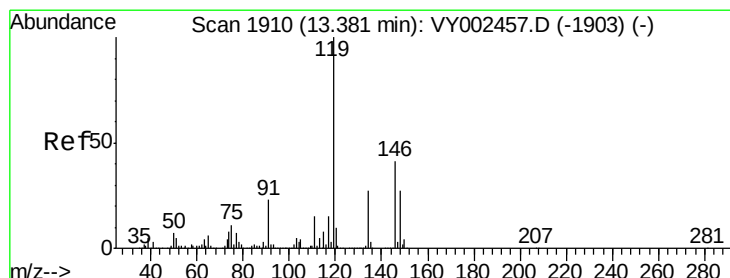
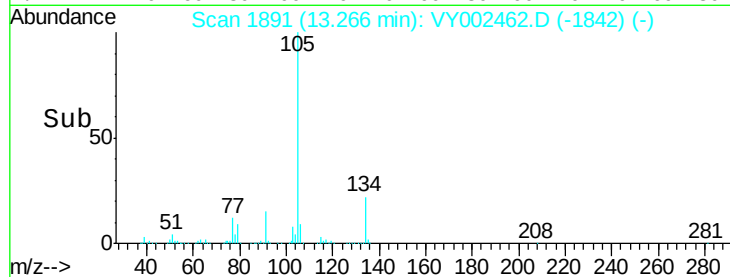
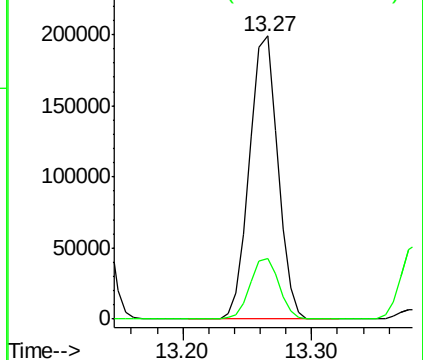
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.579 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

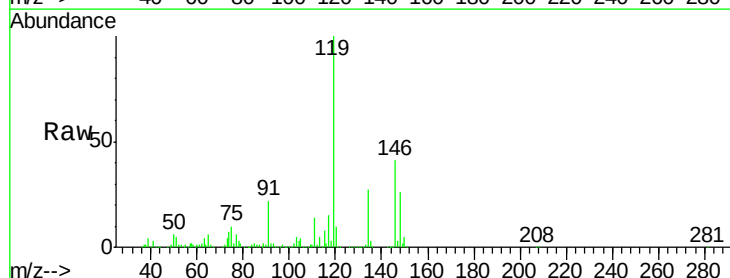
Tgt Ion:119 Resp: 284315

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

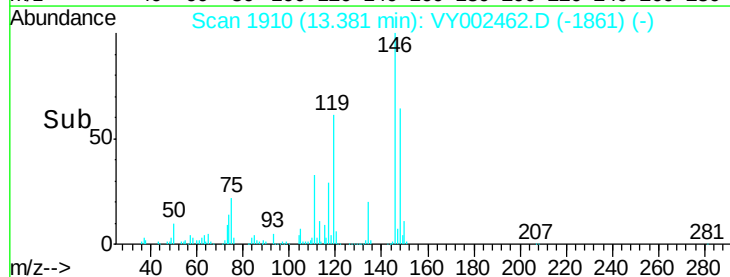
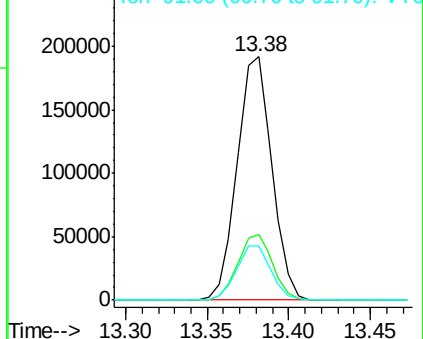
91 22.5 11.5 34.4

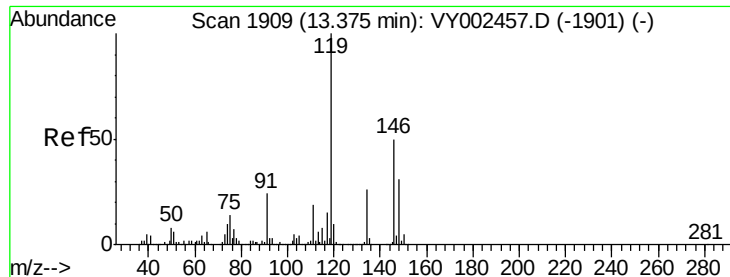


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 21.034 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

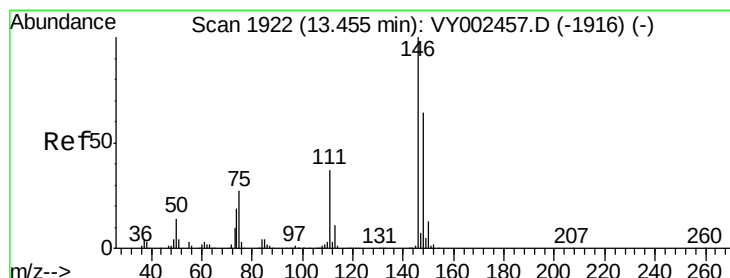
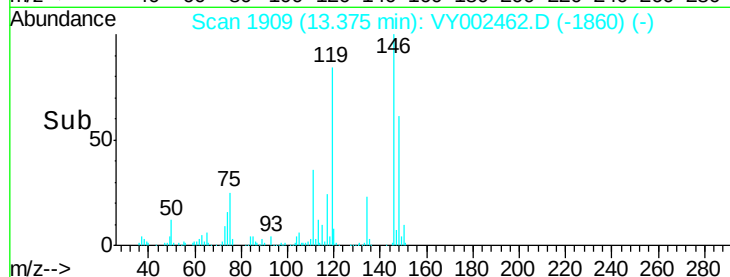
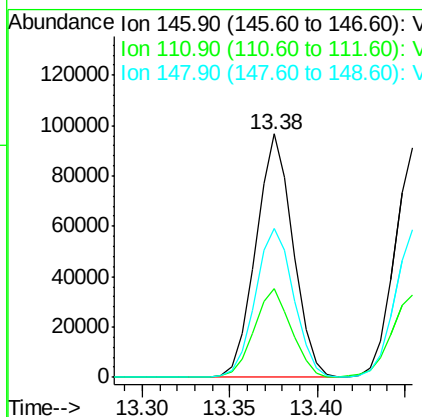
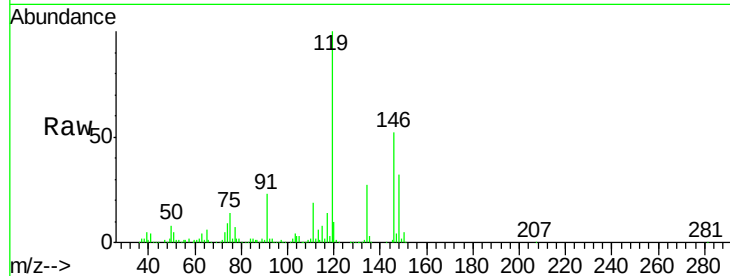
Instrument :
MSVOA_Y

ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.3	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.803 ug/l

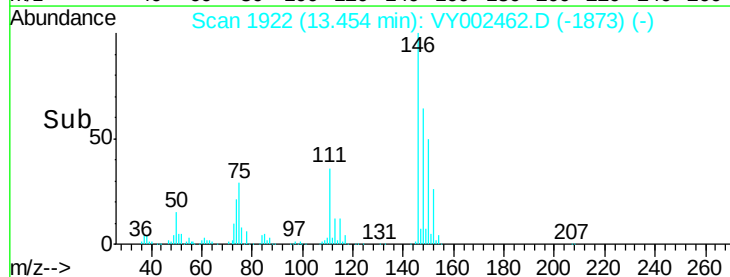
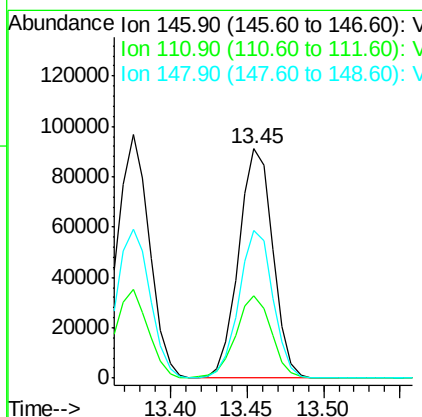
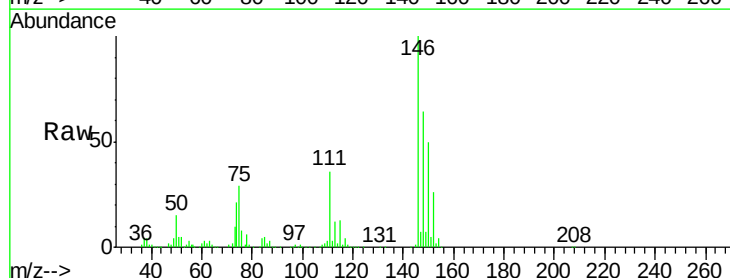
RT: 13.45 min Scan# 1922

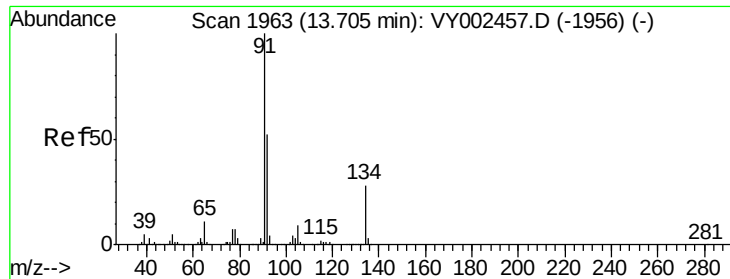
Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.3	32.1	96.5





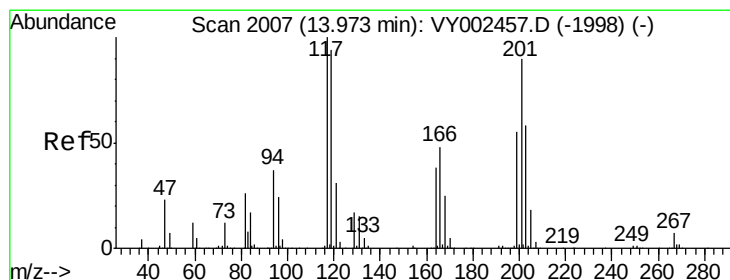
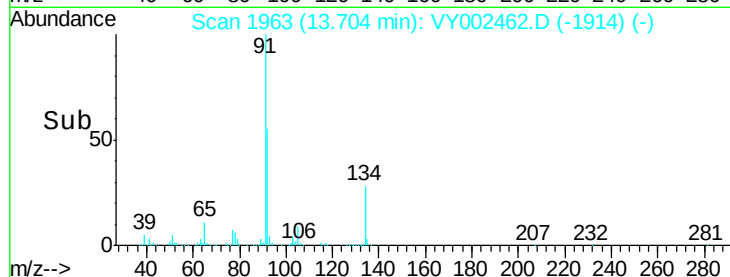
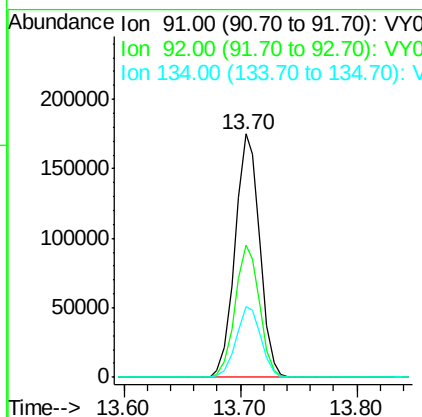
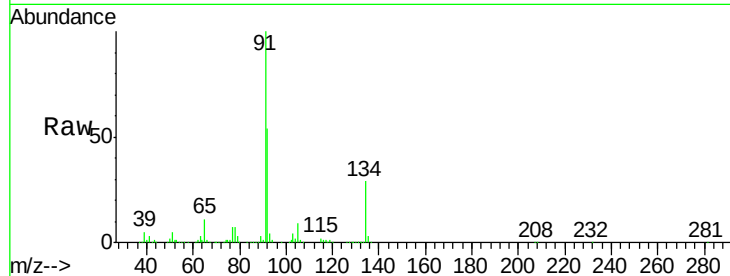
#89
n-Butylbenzene
Concen: 20.165 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	29.2	14.3	42.9

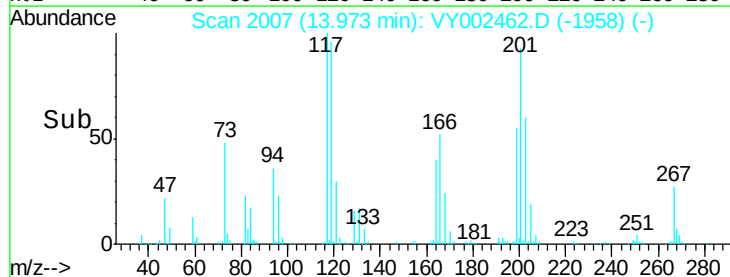
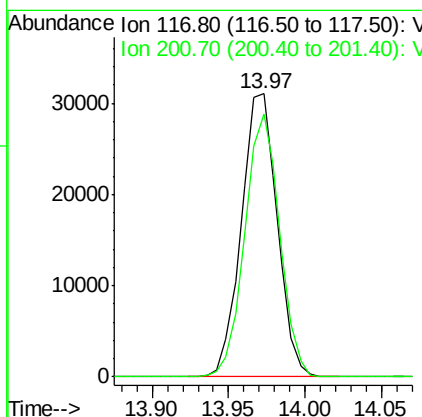
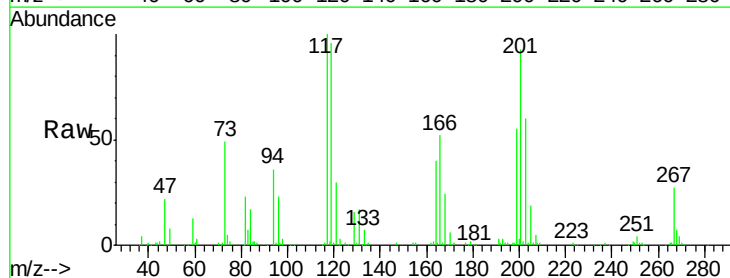
Manual Integrations
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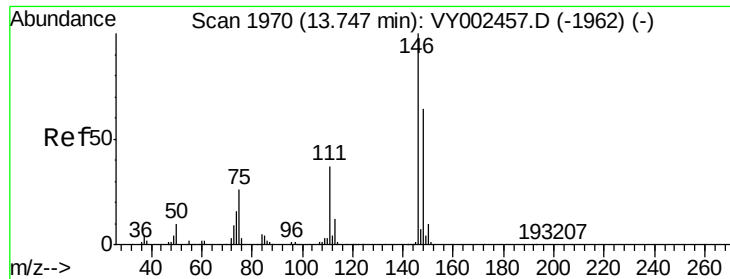
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#90
Hexachloroethane
Concen: 20.281 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 21.824 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002462.D

Acq: 23 Apr 2020 16:18

Instrument :

MSVOA_Y

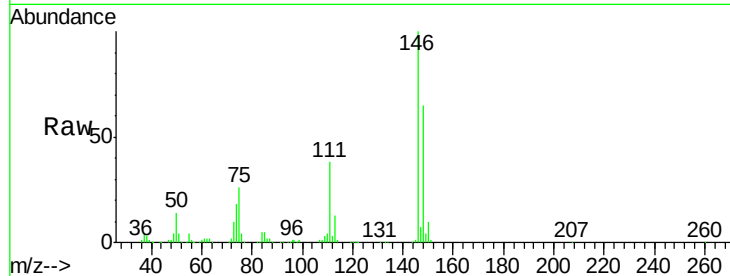
ClientSampleId :

VY0423SBS01

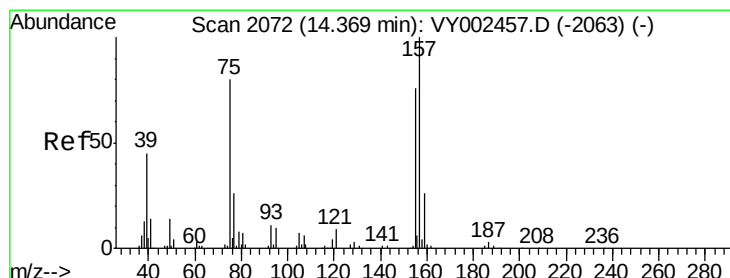
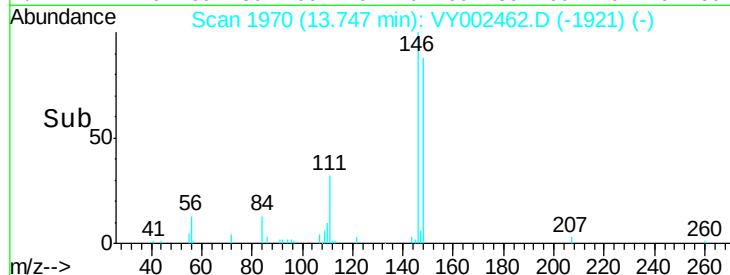
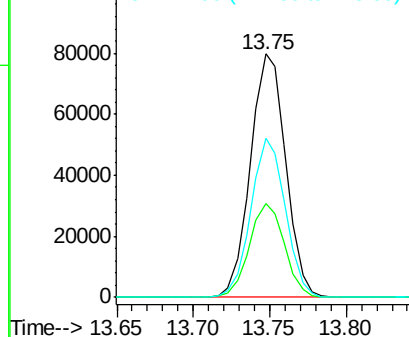
Tot Ion:	146	Resp:	127979
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.9	56.9
148	63.8	31.6	94.7

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.347 ug/l

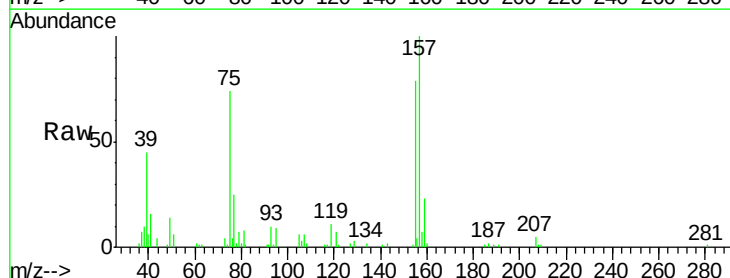
RT: 14.37 min Scan# 2072

Delta R.T. -0.00 min

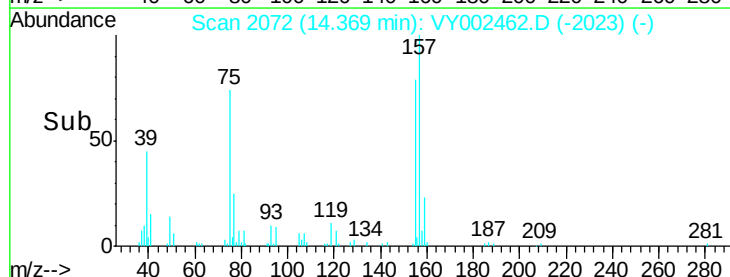
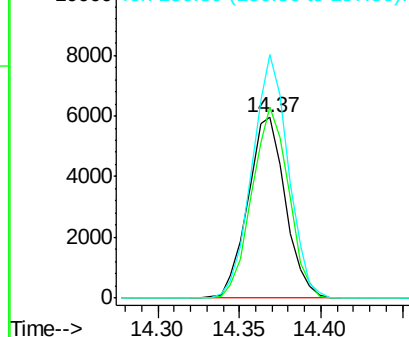
Lab File: VY002462.D

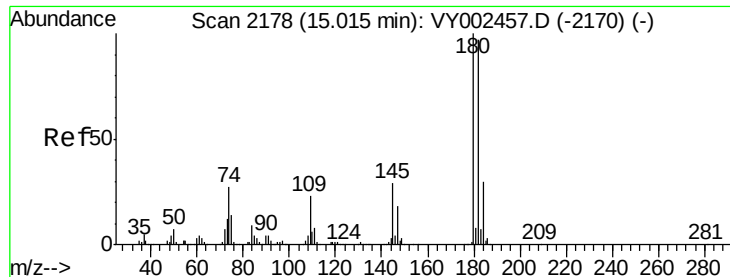
Acq: 23 Apr 2020 16:18

Tgt Ion:	75	Resp:	9555
Ion Ratio	Lower	Upper	
75	100		
155	102.7	49.6	149.0
157	129.5	62.6	187.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





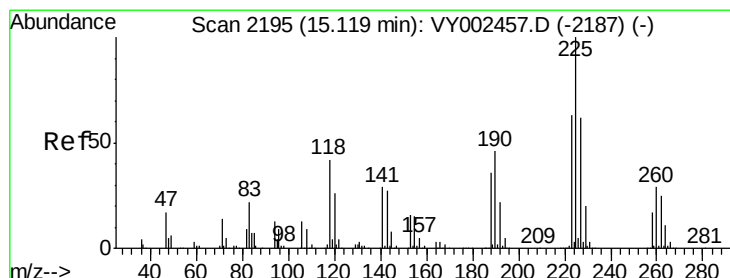
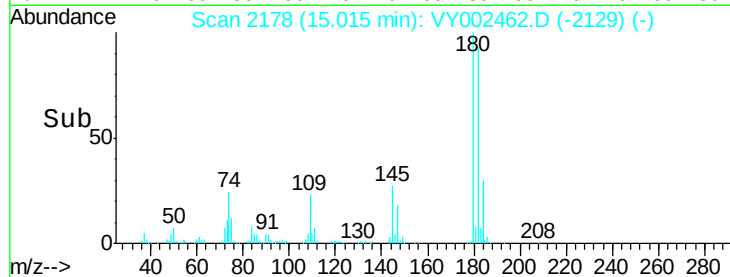
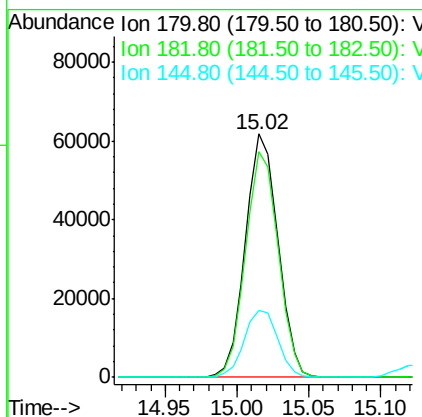
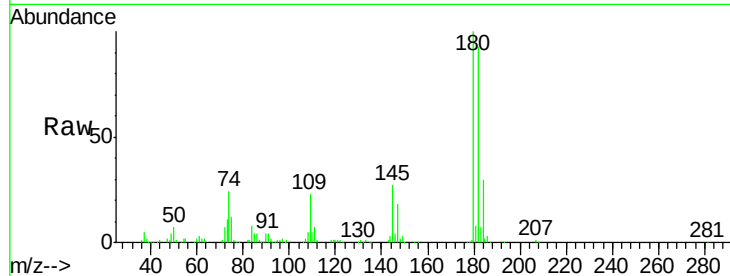
#93
 1,2,4-Trichlorobenzene
 Concen: 20.820 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96359		
182	93.2	47.9	143.7	
145	28.4	14.2	42.6	

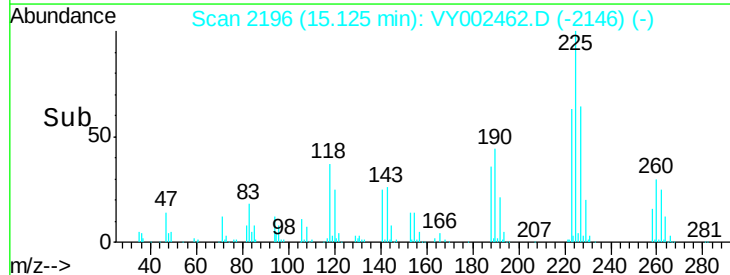
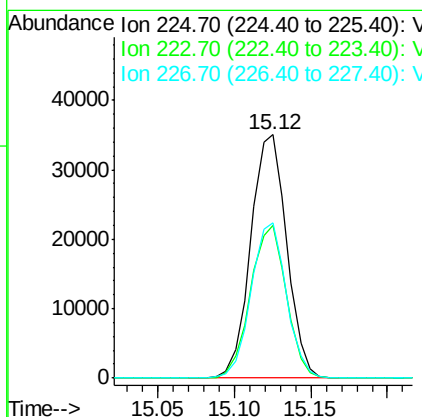
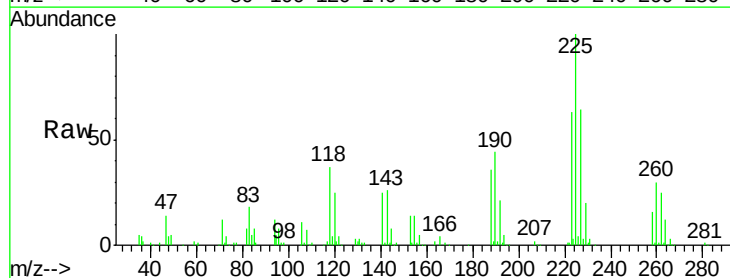
Manual Integrations
 APPROVED

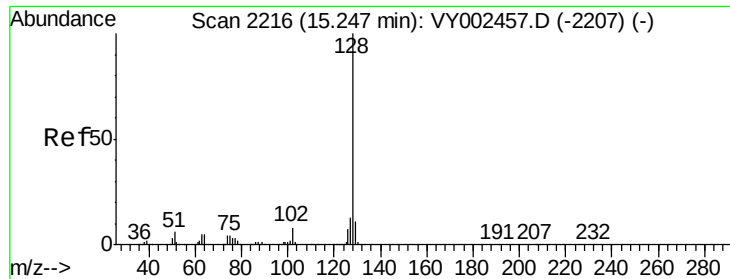
MMDadoda
 4/24/2020 1:33:44 PM



#94
 Hexachlorobutadiene
 Concen: 20.568 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002462.D
 Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57452		
223	62.3	31.1	93.3	
227	62.4	31.5	94.5	





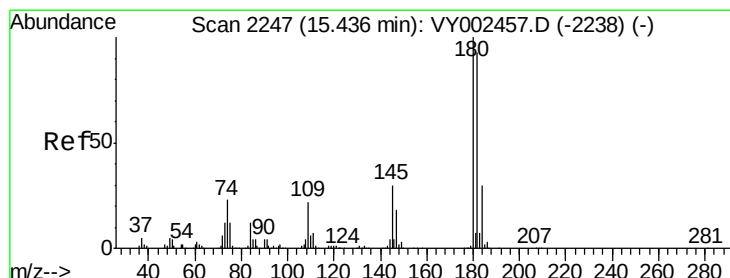
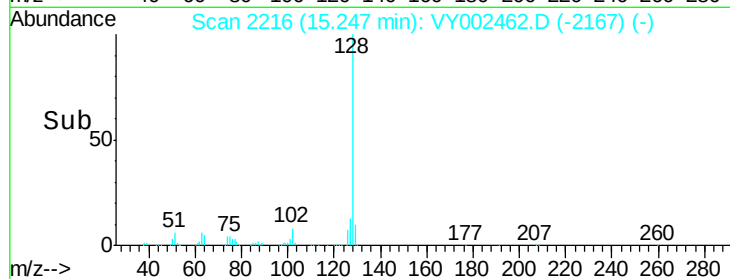
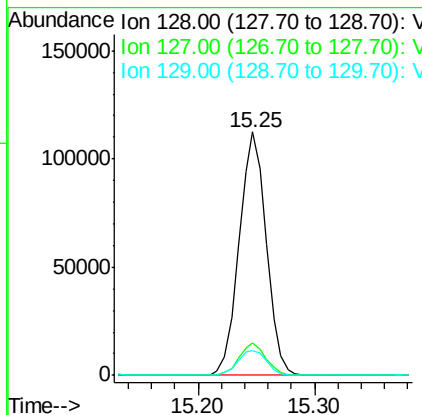
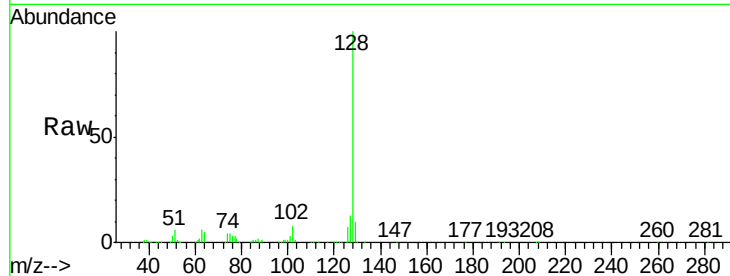
#95
Naphthalene
Concen: 21.231 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Instrument :
MSVOA_Y
ClientSampleId :
VY0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182245		
127	13.0		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:33:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.018 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002462.D
Acq: 23 Apr 2020 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82511		
182	94.8		47.5	142.6
145	30.3		15.3	45.9

