

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002458.D
 Acq On : 23 Apr 2020 12:47
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:35 PM

Quant Time: Apr 23 13:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 12:46:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	302794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	444498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	406172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	211303	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	237785	89.65	ug/l	0.00
Spiked Amount			Recovery	=	179.30%	
35) Dibromofluoromethane	7.75	113	225629	89.69	ug/l	0.00
Spiked Amount			Recovery	=	179.38%	
50) Toluene-d8	10.20	98	886831	87.48	ug/l	0.00
Spiked Amount			Recovery	=	174.96%	
62) 4-Bromofluorobenzene	12.50	95	296471	87.29	ug/l	0.00
Spiked Amount			Recovery	=	174.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	212188	94.757	ug/l	98
3) Chloromethane	2.13	50	264674	92.508	ug/l	98
4) Vinyl Chloride	2.27	62	215981	108.073	ug/l	97
5) Bromomethane	2.66	94	160702	148.923	ug/l	93
6) Chloroethane	2.81	64	130989	124.815	ug/l	96
7) Trichlorofluoromethane	3.15	101	312641	86.253	ug/l	100
8) Diethyl Ether	3.55	74	85213	57.471	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.93	101	227659	90.909	ug/l	99
10) Methyl Iodide	4.12	142	387272	99.801	ug/l	100
11) Tert butyl alcohol	5.00	59	108205	438.773	ug/l	99
12) 1,1-Dichloroethene	3.90	96	222981	87.023	ug/l	95
13) Acrolein	3.76	56	72297	380.825	ug/l	99
14) Allyl chloride	4.51	41	365183	95.790	ug/l	99
15) Acrylonitrile	5.21	53	343561	479.918	ug/l	99
16) Acetone	3.97	43	272912	512.494	ug/l	99
17) Carbon Disulfide	4.22	76	793404	98.296	ug/l	100
18) Methyl Acetate	4.51	43	162577	91.750	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	678752	97.934	ug/l	99
20) Methylene Chloride	4.75	84	268702	82.586	ug/l	99
21) trans-1,2-Dichloroethene	5.26	96	278317	94.889	ug/l	93
22) Diisopropyl ether	6.16	45	681733	89.998	ug/l	99
23) Vinyl Acetate	6.10	43	2258604	475.375	ug/l	100
24) 1,1-Dichloroethane	6.05	63	431548	93.965	ug/l	99
25) 2-Butanone	7.02	43	393632	473.035	ug/l	99
26) 2,2-Dichloropropane	7.02	77	419787	96.080	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	303514	95.188	ug/l	99
28) Bromochloromethane	7.36	49	159178	88.176	ug/l	98
29) Tetrahydrofuran	7.38	42	263125	474.813	ug/l	99
30) Chloroform	7.54	83	454984	93.236	ug/l	99
31) Cyclohexane	7.81	56	403590	86.761	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	449610	98.139	ug/l	100
36) 1,1-Dichloropropene	7.94	75	362036	94.901	ug/l	100
37) Ethyl Acetate	7.11	43	181455	96.445	ug/l	100
38) Carbon Tetrachloride	7.92	117	428433	98.247	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	475969	96.021	ug/l	98
40) Benzene	8.19	78	1047163	95.121	ug/l	99
41) Methacrylonitrile	7.36	41	114073m	50.363	ug/l	
42) 1,2-Dichloroethane	8.27	62	307973	96.650	ug/l	99
43) Isopropyl Acetate	8.30	43	344658	98.177	ug/l	99
44) Trichloroethene	8.96	130	327941	95.033	ug/l	97
45) 1,2-Dichloropropane	9.24	63	236470	93.084	ug/l	95
46) Dibromomethane	9.33	93	143722	97.494	ug/l	99
47) Bromodichloromethane	9.52	83	355690	96.262	ug/l	97
48) Methyl methacrylate	9.31	41	156725	97.986	ug/l	98
49) 1,4-Dioxane	9.31	88	34691	1870.567	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	880460	483.958	ug/l	100
52) Toluene	10.26	92	675381	95.682	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	388759	101.161	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	429094	96.783	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	208699	95.596	ug/l	97
56) Ethyl methacrylate	10.52	69	283270	95.963	ug/l	98
57) 1,3-Dichloropropane	10.81	76	353119	95.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	670557	465.084	ug/l	99
59) 2-Hexanone	10.84	43	622959	494.914	ug/l	99
60) Dibromochloromethane	11.00	129	278019	97.725	ug/l	99
61) 1,2-Dibromoethane	11.10	107	206616	95.652	ug/l	100
64) Tetrachloroethene	10.74	164	352092	94.267	ug/l	97
65) Chlorobenzene	11.53	112	756119	96.619	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	288046	98.657	ug/l	100
67) Ethyl Benzene	11.61	91	1360984	98.022	ug/l	100
68) m/p-Xylenes	11.72	106	1045801	195.532	ug/l	99
69) o-Xylene	12.04	106	483181	96.456	ug/l	100
70) Styrene	12.06	104	843949	97.091	ug/l	99
71) Bromoform	12.22	173	180961	99.003	ug/l #	100
73) Isopropylbenzene	12.34	105	1345422	98.233	ug/l	99
74) N-amyl acetate	12.16	43	311329	97.486	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	198523	95.118	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	174600m	59.845	ug/l	
77) Bromobenzene	12.62	156	332112	96.625	ug/l	99
78) n-propylbenzene	12.69	91	1552307	97.352	ug/l	100
79) 2-Chlorotoluene	12.77	91	845304	97.158	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	1130926	96.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	91184	98.196	ug/l	97
82) 4-Chlorotoluene	12.87	91	879714	95.832	ug/l	99
83) tert-Butylbenzene	13.09	119	986299	96.049	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	1135649	97.681	ug/l	99
85) sec-Butylbenzene	13.27	105	1342171	95.725	ug/l	100
86) p-Isopropyltoluene	13.38	119	1282770	96.660	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	631128	96.175	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	620869	95.542	ug/l	100
89) n-Butylbenzene	13.71	91	1121098	92.349	ug/l	99
90) Hexachloroethane	13.97	117	226618	95.559	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	554863	94.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	39551	95.581	ug/l	98

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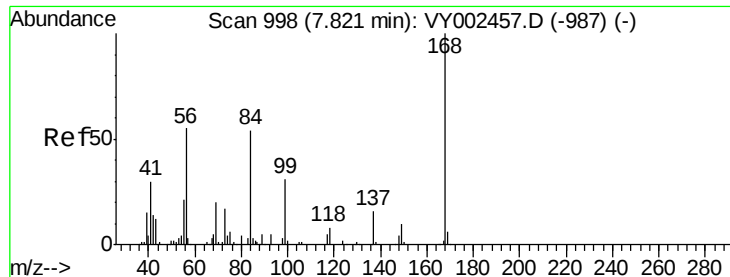
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	405397	93.214	ug/l	99
94) Hexachlorobutadiene	15.12	225	239744	90.676	ug/l	99
95) Naphthalene	15.25	128	777507	98.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	347831	94.935	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 302794

Ion Ratio Lower Upper

168 100

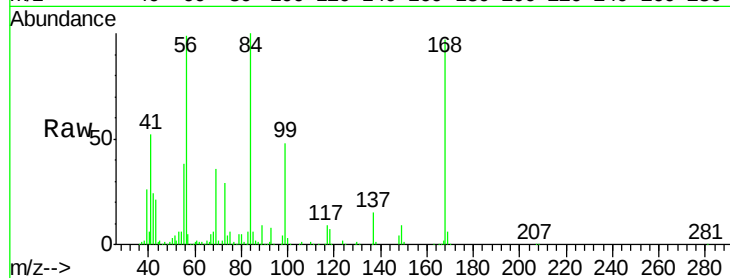
99 49.7 39.7 59.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002458.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY002458.D (-949) (-)

7.82

150000

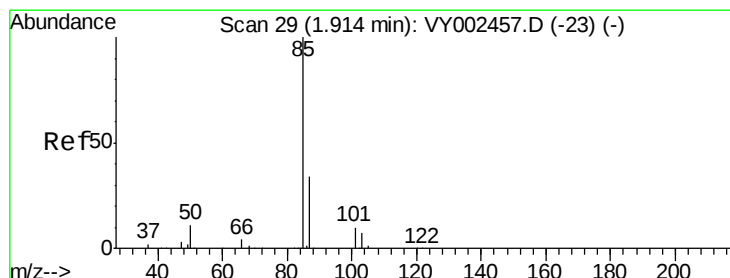
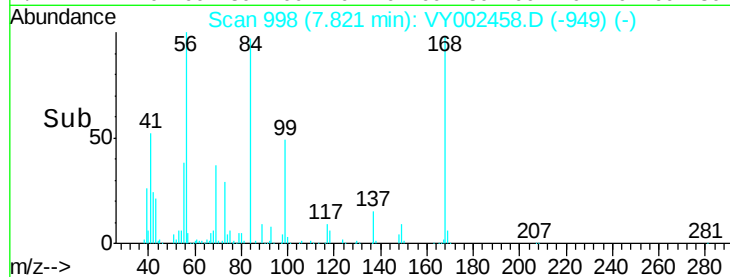
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 94.757 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002458.D

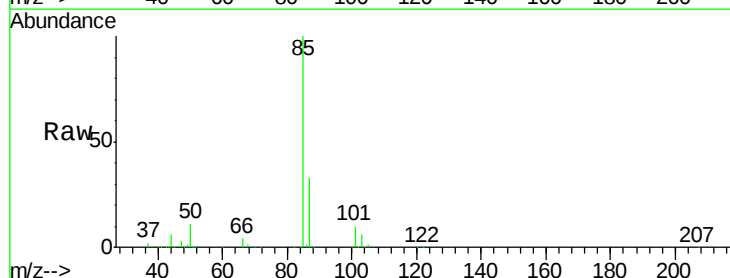
Acq: 23 Apr 2020 12:47

Tgt Ion: 85 Resp: 212188

Ion Ratio Lower Upper

85 100

87 33.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002458.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002458.D (-1) (-)

1.91

150000

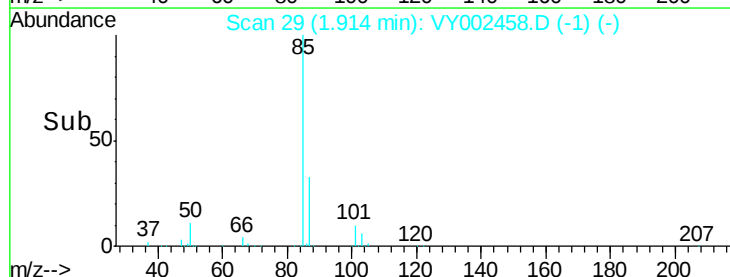
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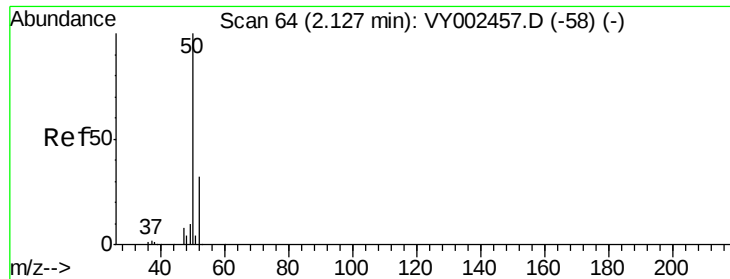
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 92.508 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 264674

Ion Ratio Lower Upper

50 100

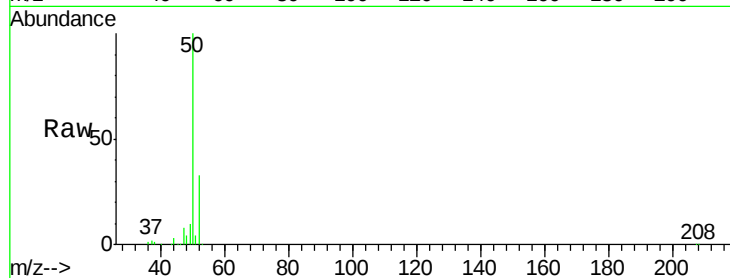
52 32.6 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

200000

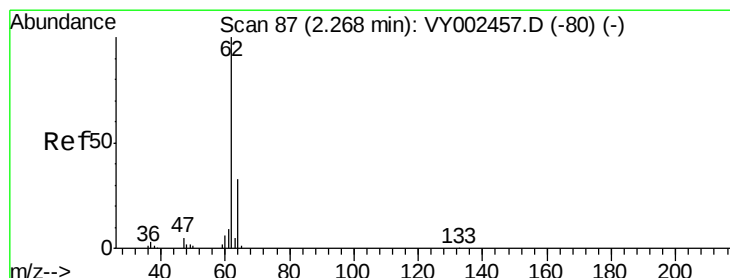
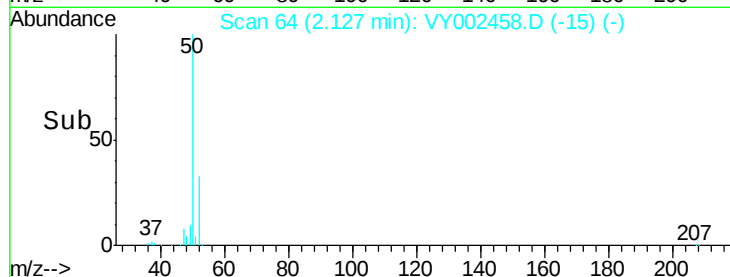
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 108.073 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002458.D

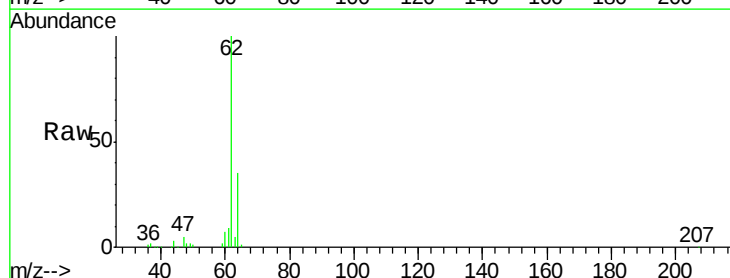
Acq: 23 Apr 2020 12:47

Tgt Ion: 62 Resp: 215981

Ion Ratio Lower Upper

62 100

64 34.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

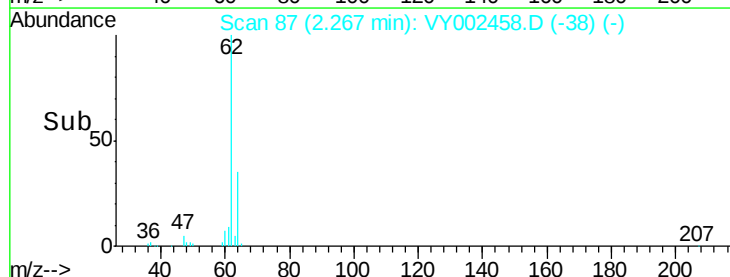
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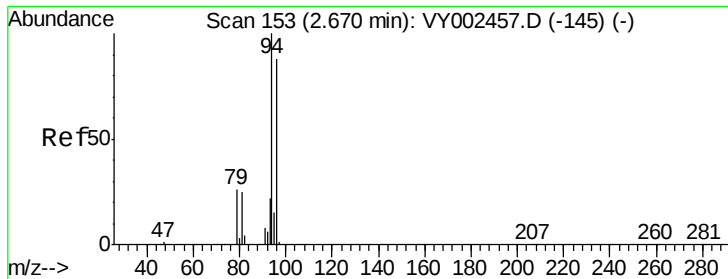
100000

50000

0

Time-->





#5

Bromomethane

Concen: 148.923 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 160702

Ion Ratio Lower Upper

94 100

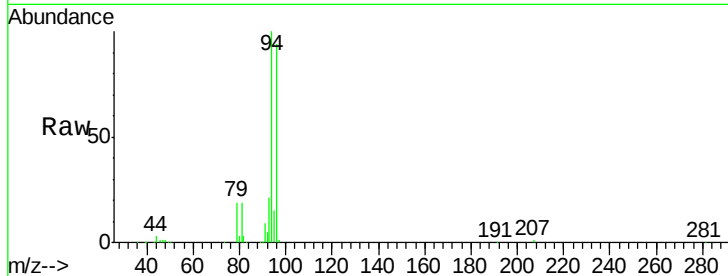
96 94.0 70.2 105.4

Manual Integrations

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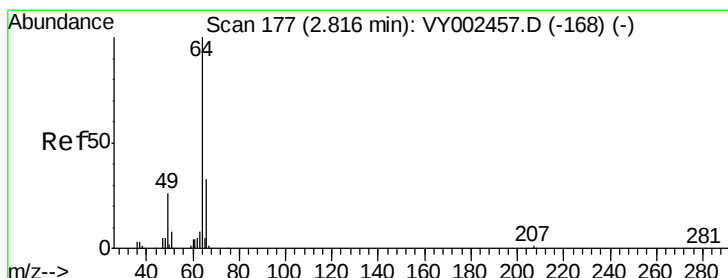
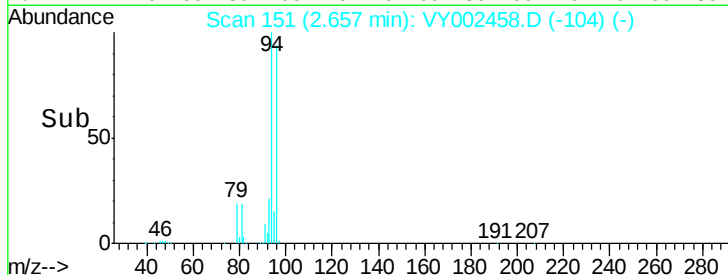
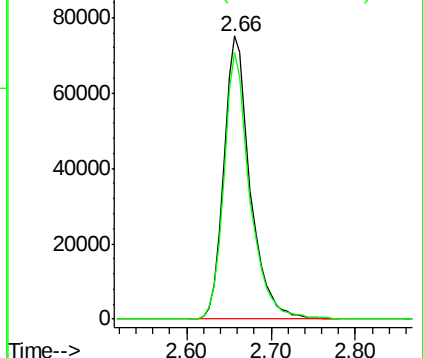
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 124.815 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY002458.D

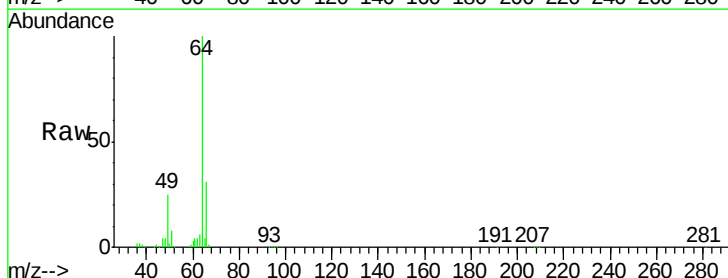
Acq: 23 Apr 2020 12:47

Tgt Ion: 64 Resp: 130989

Ion Ratio Lower Upper

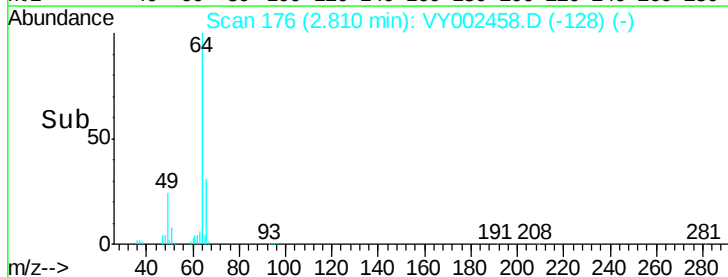
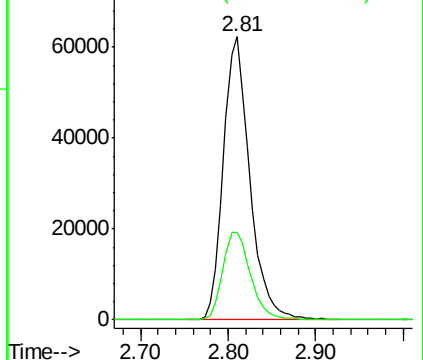
64 100

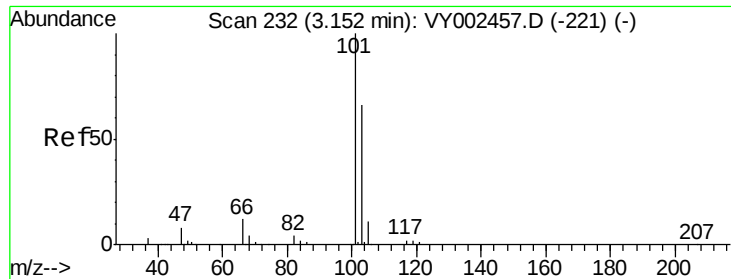
66 30.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

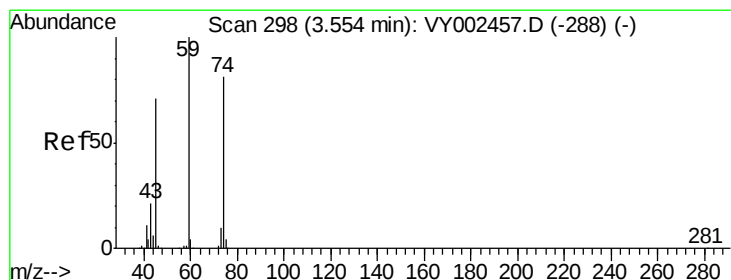
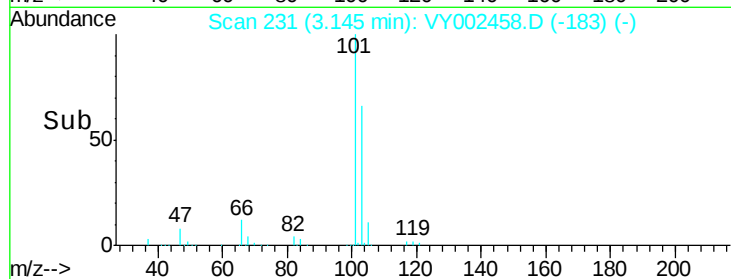
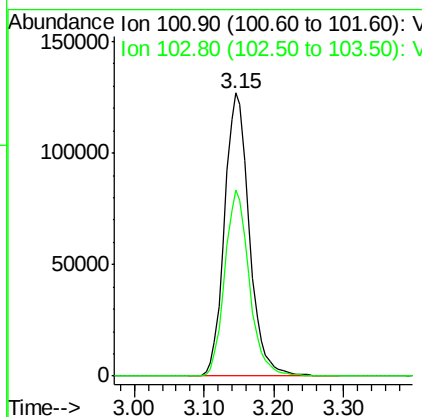
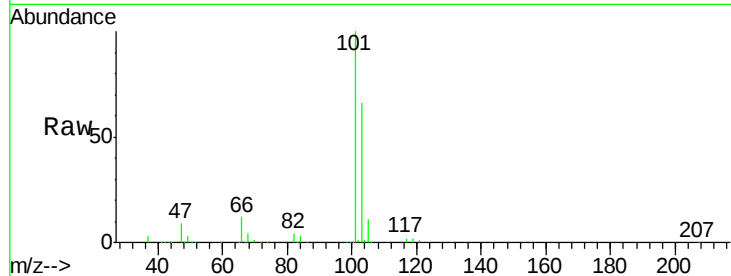
Trichlorofluoromethane
Concen: 86.253 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	312641		
103	65.8	52.5	78.7	

Manual Integrations
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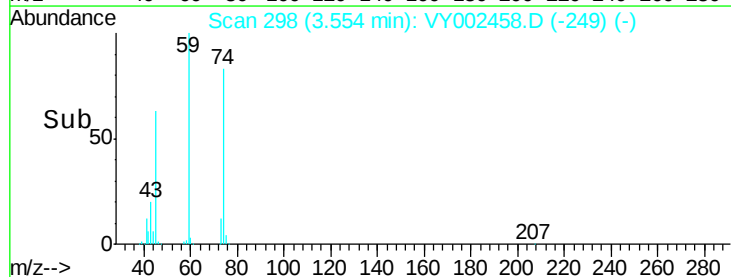
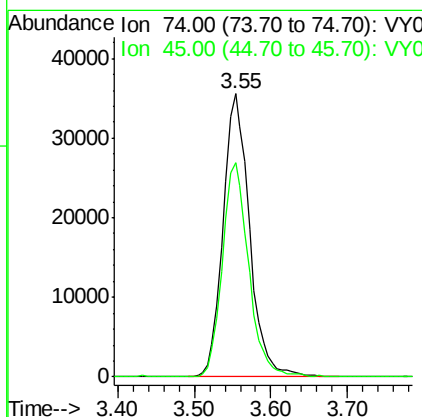
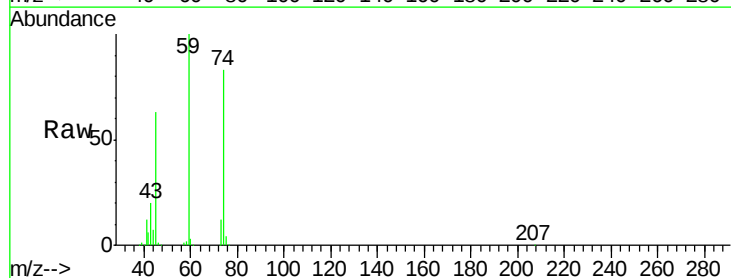
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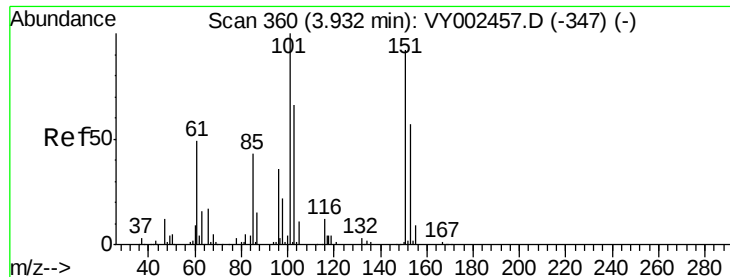


#8

Diethyl Ether
Concen: 57.471 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85213		
45	75.4	44.0	132.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.909 ug/l

RT: 3.93 min Scan# 360

Delta R.T. -0.00 min

Lab File: VY002458.D

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Instrument :

MSVOA_Y

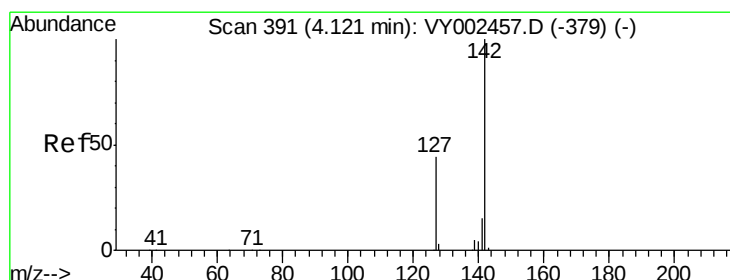
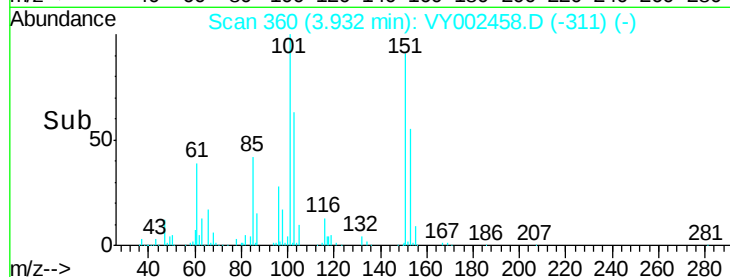
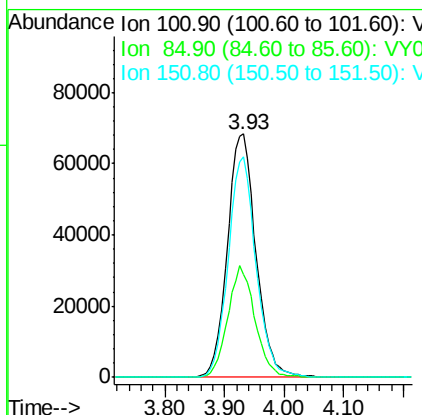
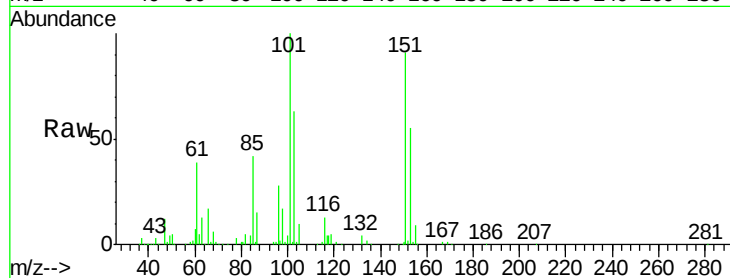
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	227659
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	88.6	70.3	105.5

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 99.801 ug/l

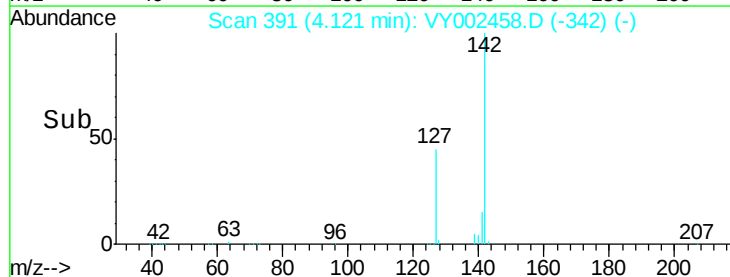
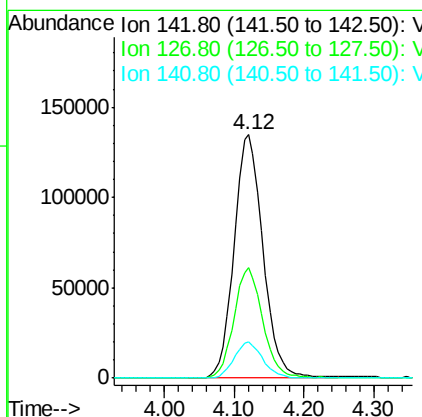
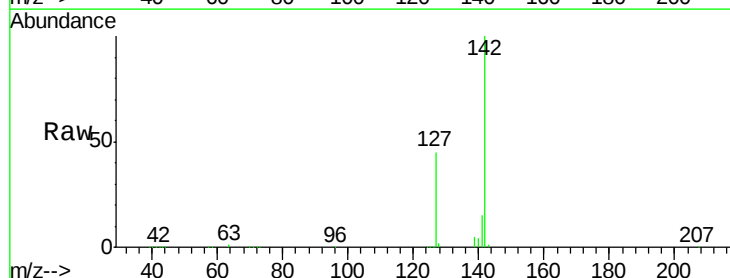
RT: 4.12 min Scan# 391

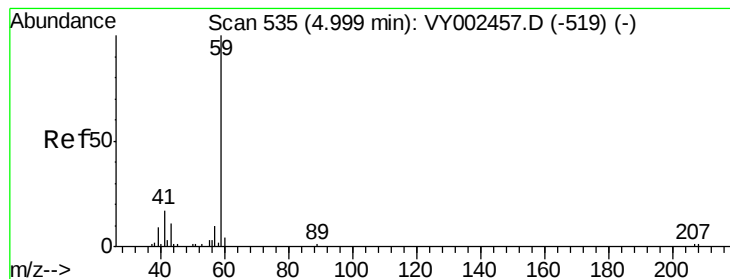
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	142	Resp:	387272
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.8	53.8
141	14.6	11.6	17.4





#11

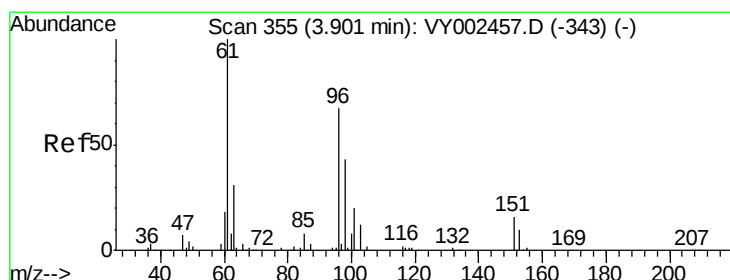
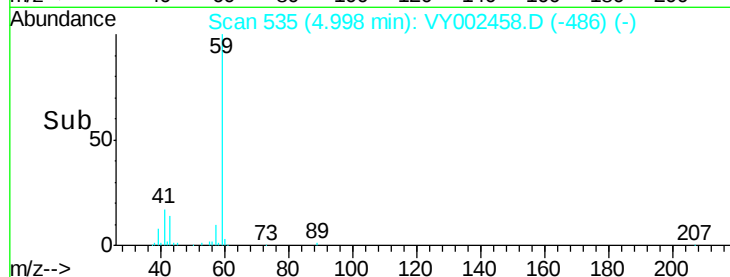
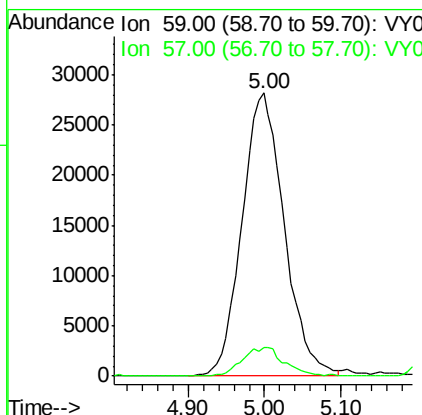
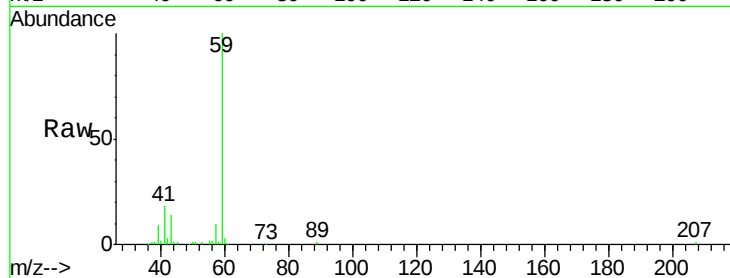
Tert butyl alcohol
 Concen: 438.773 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

Manual Integrations
 APPROVED

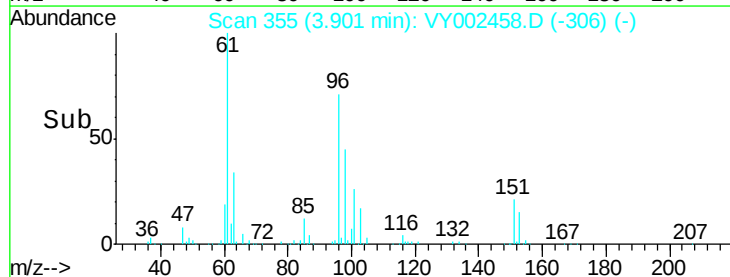
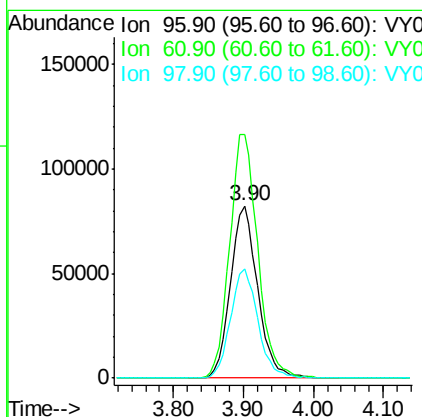
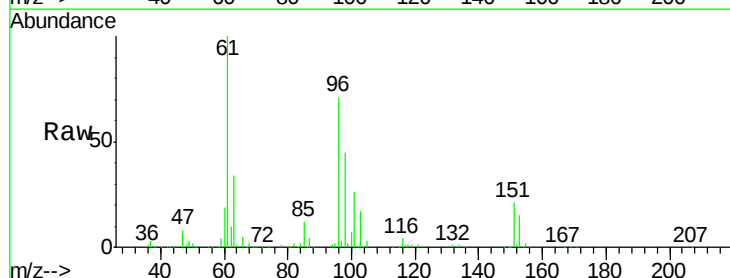
MMDadoda
 4/24/2020 1:33:35 PM

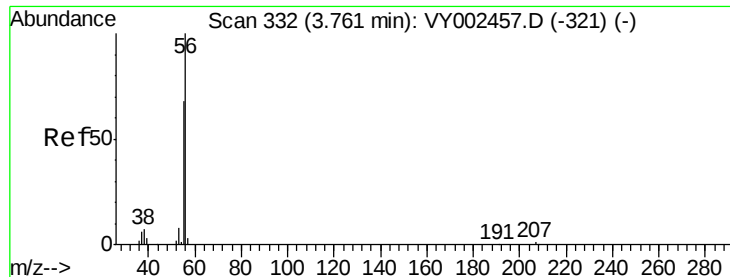


#12

1,1-Dichloroethene
 Concen: 87.023 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	119.0	178.6
98	63.3	51.4	77.2





#13

Acrolein

Concen: 380.825 ug/l

RT: 3.76 min Scan# 332

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 72297

Ion Ratio Lower Upper

56 100

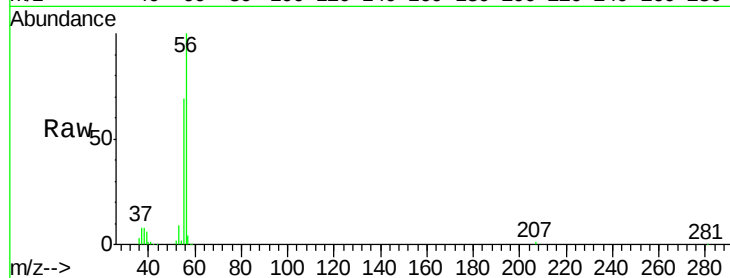
55 70.9 55.8 83.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

30000

25000

20000

15000

10000

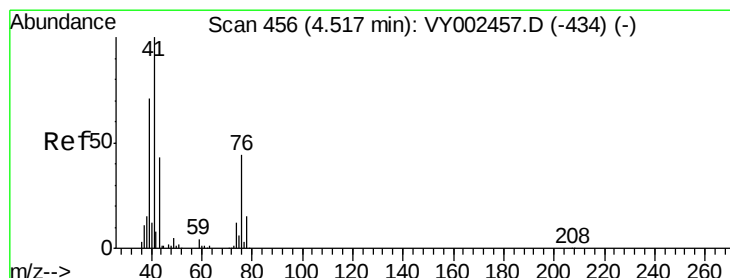
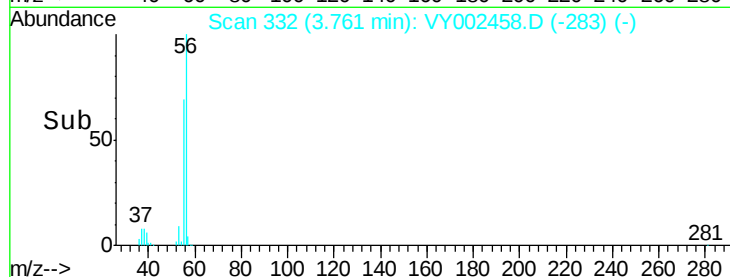
5000

0

Time-->

3.60 3.70 3.80 3.90

3.76



#14

Allyl chloride

Concen: 95.790 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.01 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

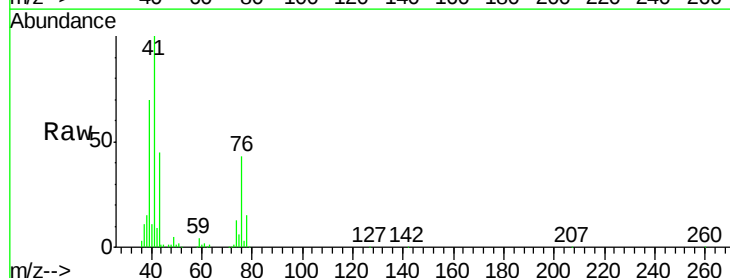
Tgt Ion: 41 Resp: 365183

Ion Ratio Lower Upper

41 100

39 69.1 55.1 82.7

76 42.2 34.3 51.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

150000

100000

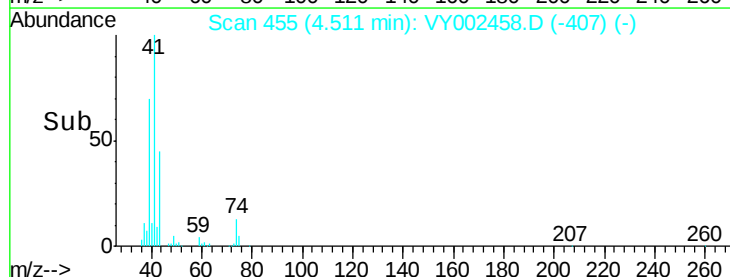
50000

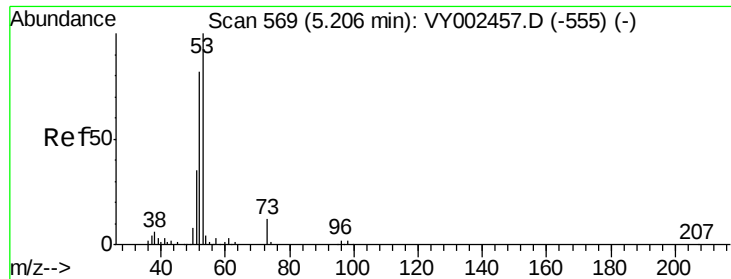
0

Time-->

4.30 4.40 4.50 4.60 4.70

4.51





#15

Acrylonitrile

Concen: 479.918 ug/l

RT: 5.21 min Scan# 569

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

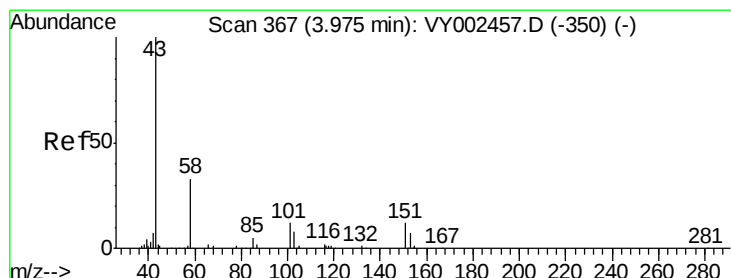
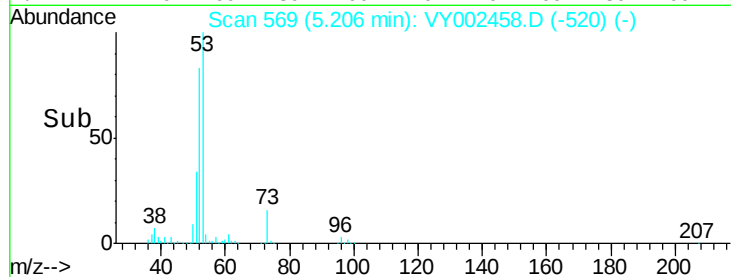
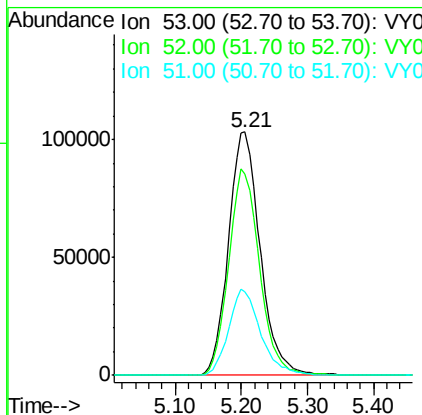
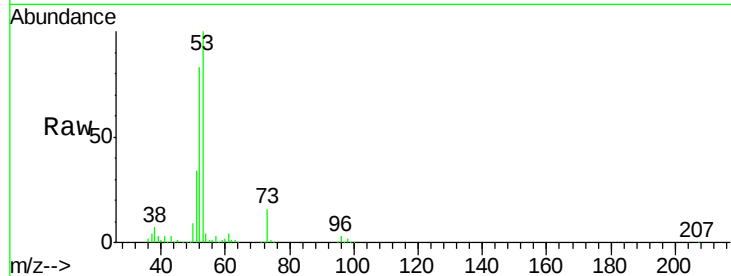
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	343561
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.4	98.2
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 512.494 ug/l

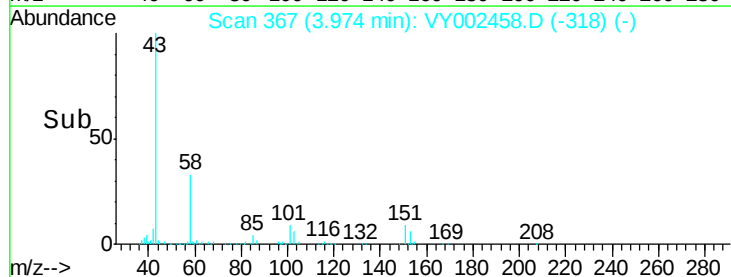
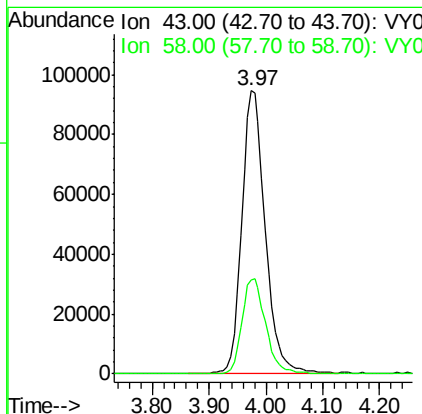
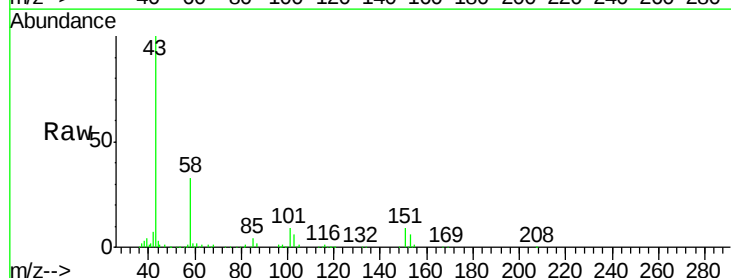
RT: 3.97 min Scan# 367

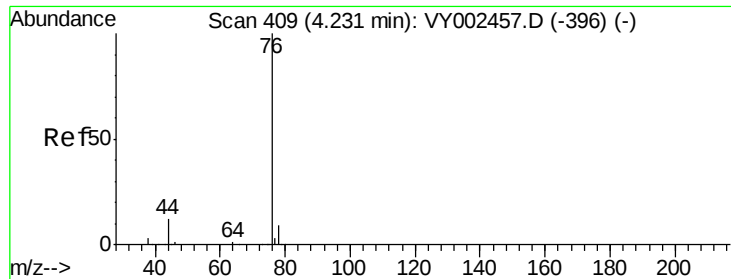
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	43	Resp:	272912
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.4	39.6





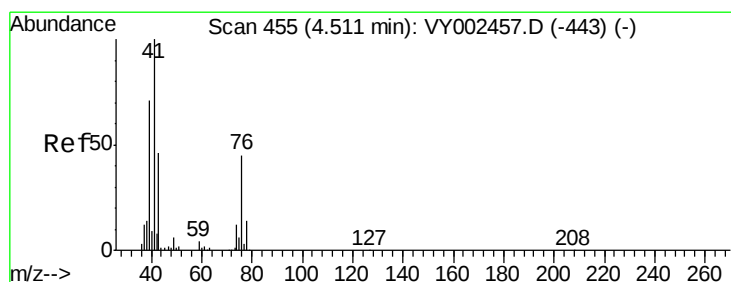
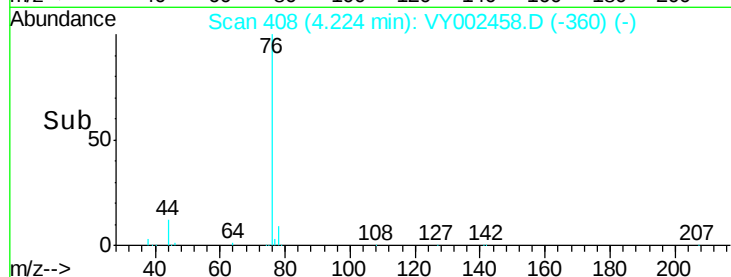
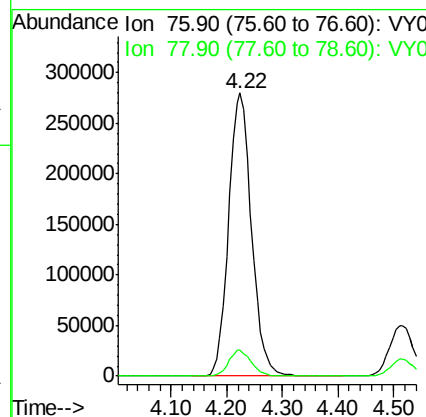
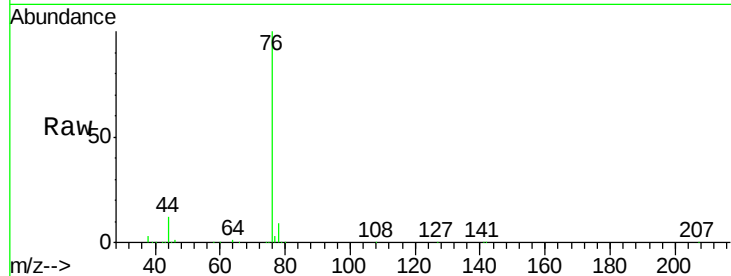
#17
Carbon Disulfide
Concen: 98.296 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.2	7.3	10.9

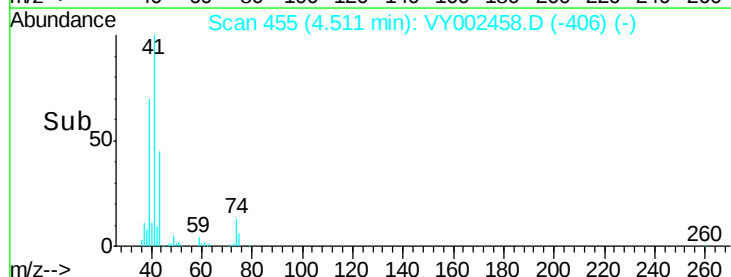
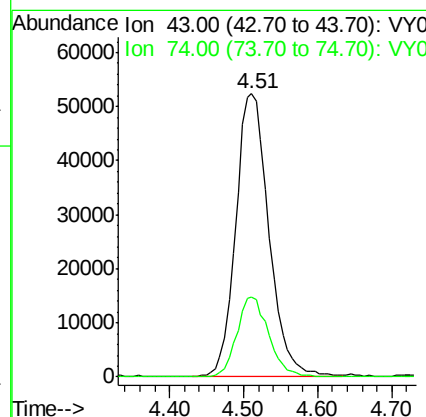
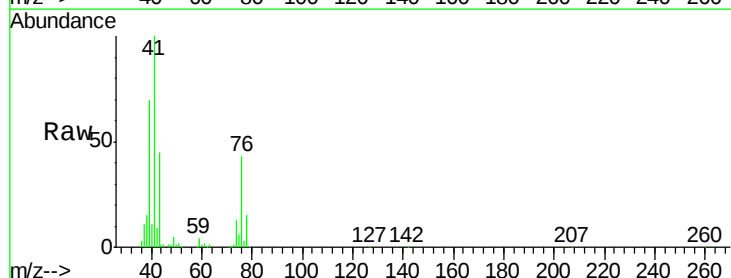
Manual Integrations
APPROVED

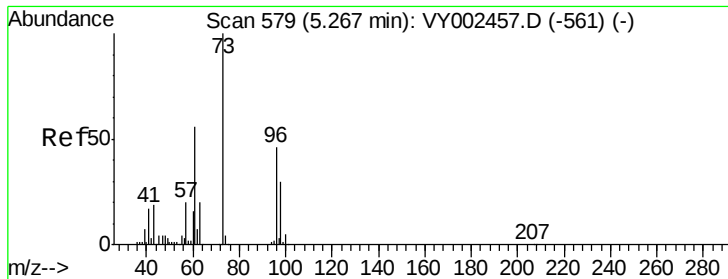
MMDadoda
4/24/2020 1:33:35 PM



#18
Methyl Acetate
Concen: 91.750 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	27.3	22.0	33.0





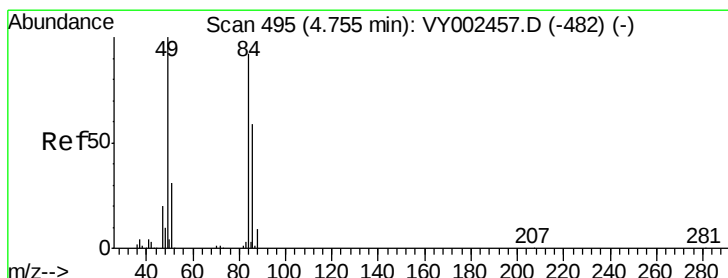
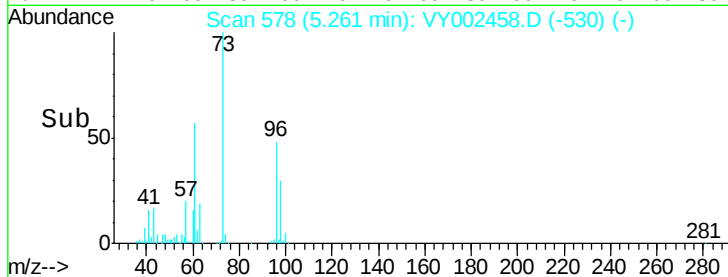
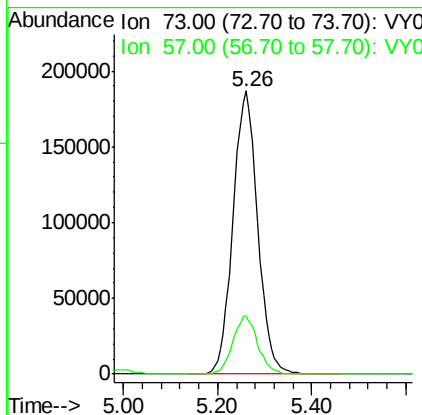
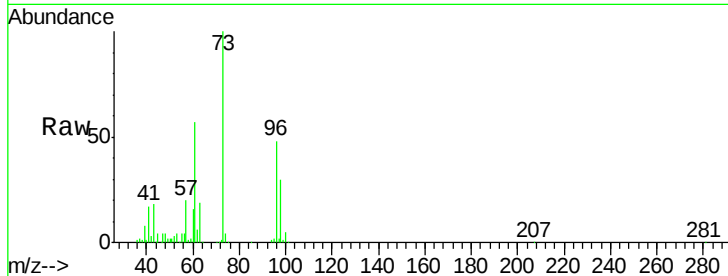
#19
Methvl tert-butvl Ether
Concen: 97.934 ug/l
RT: 5.26 min Scan# 578
Delta R.T. -0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.0	24.0

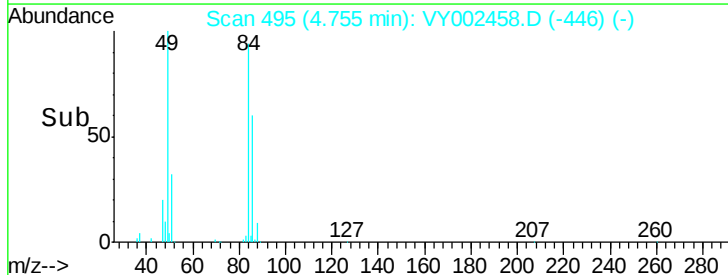
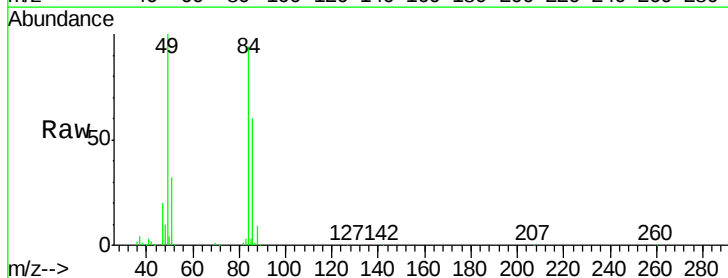
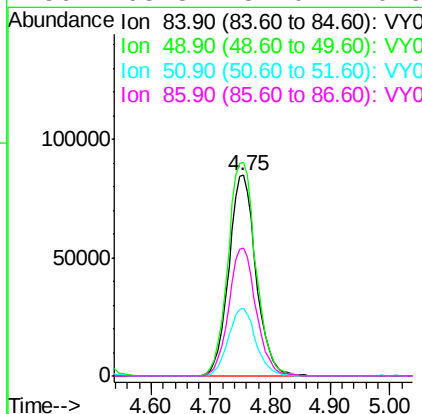
Manual Integrations
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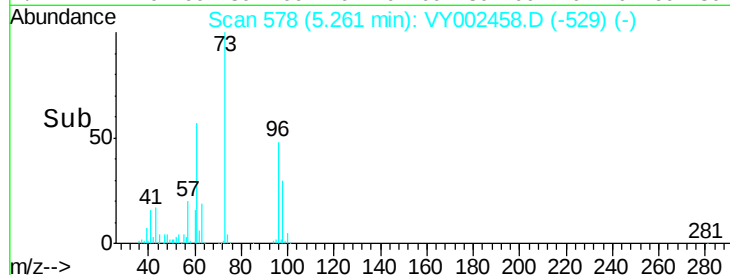
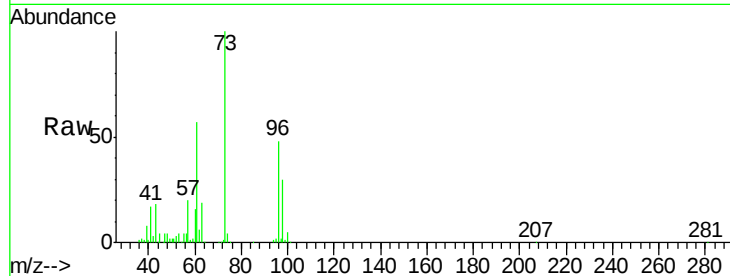
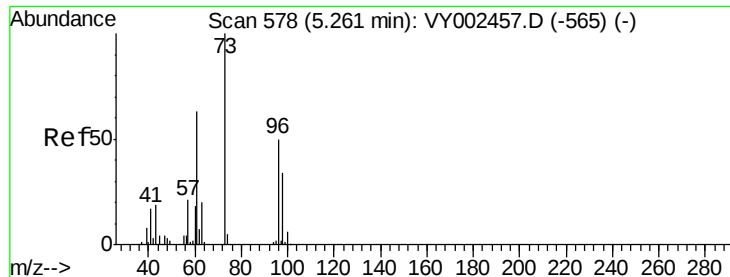
MMDadoda
4/24/2020 1:33:35 PM



#20
Methylene Chloride
Concen: 82.586 ug/l
RT: 4.75 min Scan# 495
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.6	86.9	130.3
51	33.6	27.3	40.9
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 94.889 ug/l

RT: 5.26 min Scan# 578

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tot Ion:	96	Resp:	278317
Ion	Ratio	Lower	Upper
96	100		
61	119.0	101.4	152.0
98	61.7	53.6	80.4

Instrument :

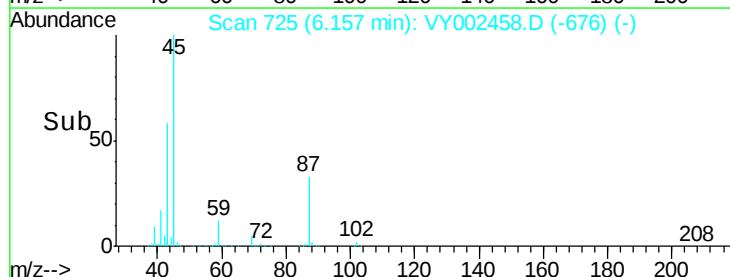
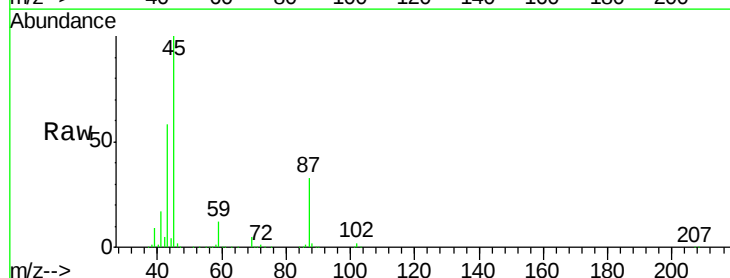
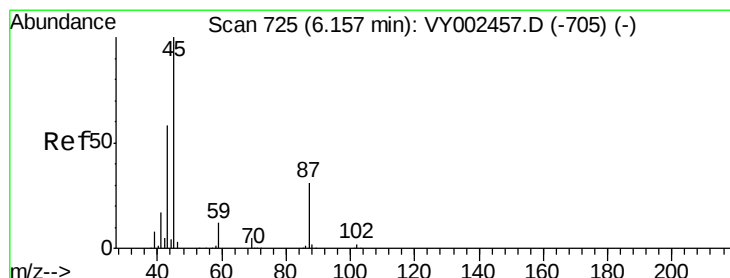
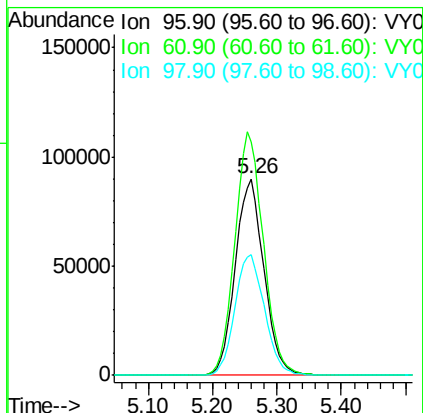
MSVOA_Y

ClientSampleId :

VSTDIC100

Manual Integrations
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#22

Diisopropyl ether

Concen: 89.998 ug/l

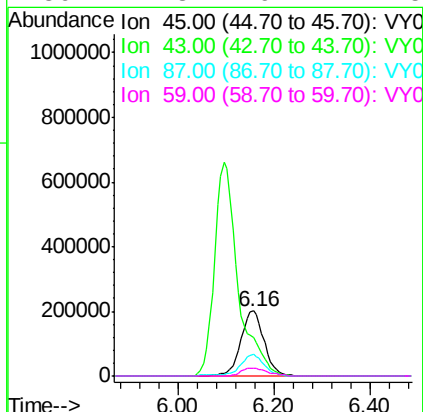
RT: 6.16 min Scan# 725

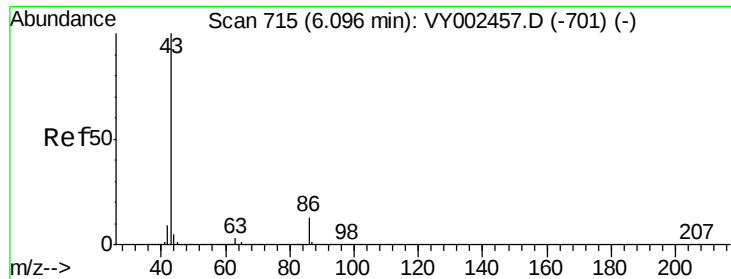
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	45	Resp:	681733
Ion	Ratio	Lower	Upper
45	100		
43	58.2	47.1	70.7
87	32.8	25.0	37.6
59	12.3	9.7	14.5





#23

Vinyl Acetate

Concen: 475.375 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2258604

Ion Ratio Lower Upper

43 100

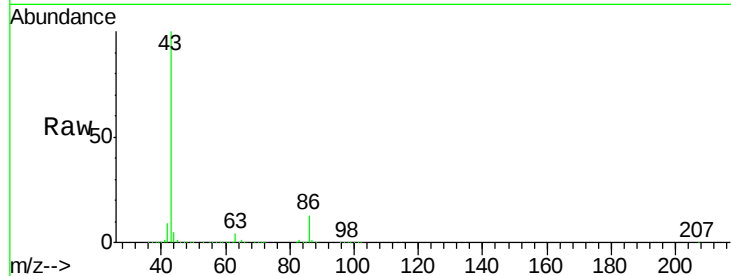
86 12.7 10.2 15.4

Manual Integrations

APPROVED

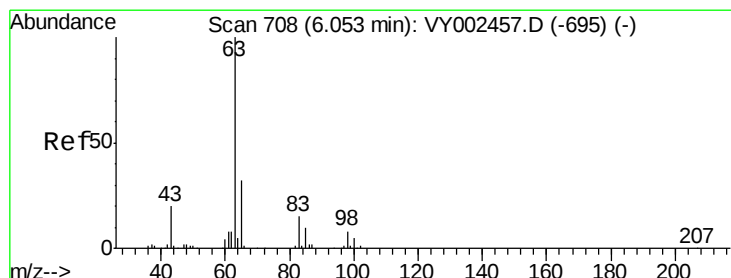
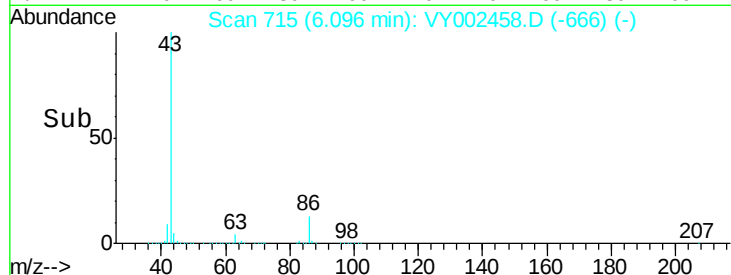
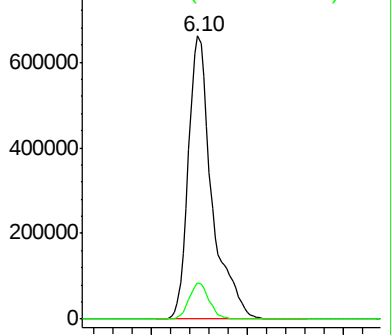
MMDadoda

4/24/2020 1:33:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 93.965 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

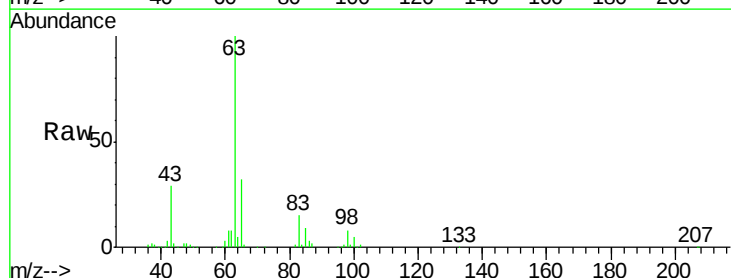
Tgt Ion: 63 Resp: 431548

Ion Ratio Lower Upper

63 100

98 8.3 4.1 12.3

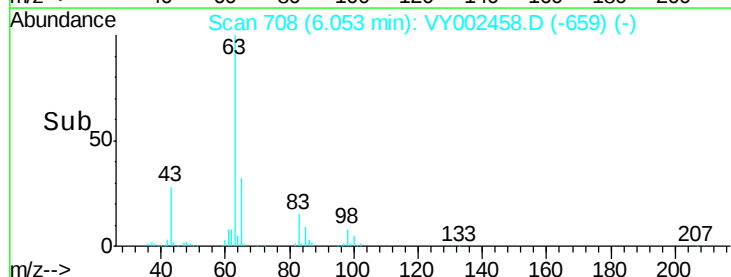
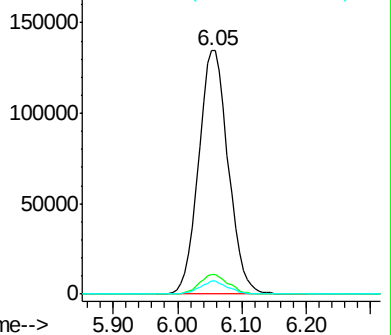
100 5.4 2.5 7.4

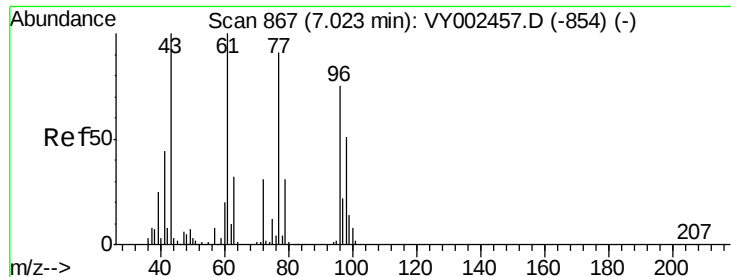


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





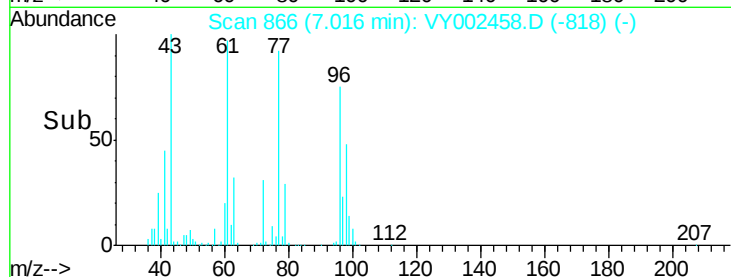
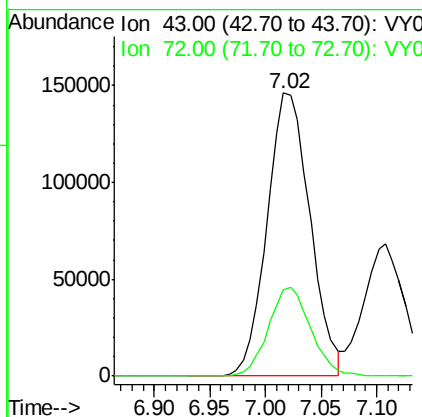
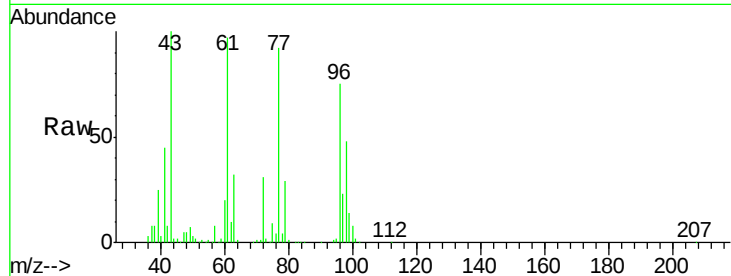
#25
2-Butanone
Concen: 473.035 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 393632
Ion Ratio Lower Upper
43 100
72 30.6 24.8 37.2

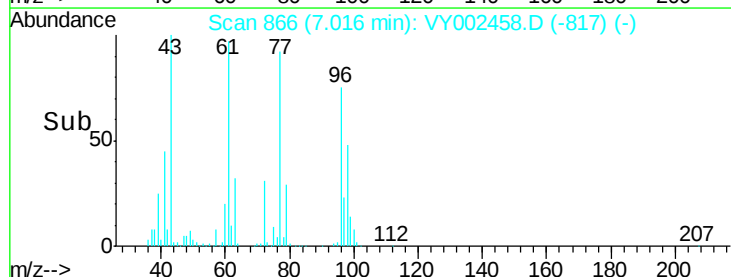
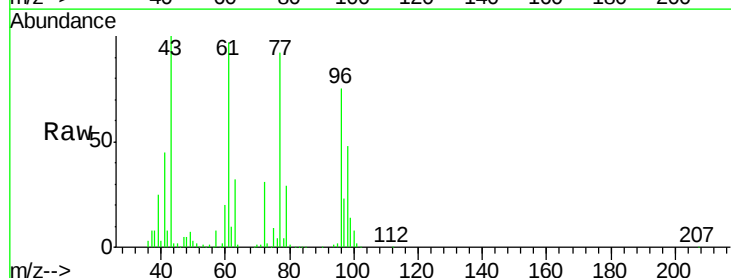
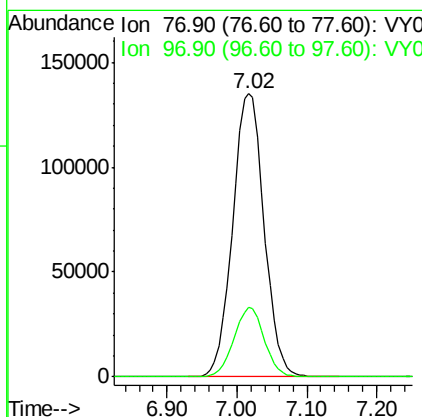
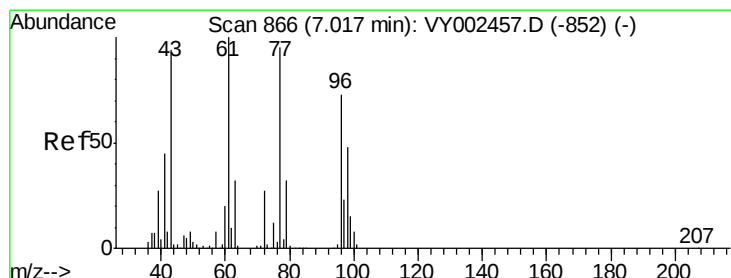
Manual Integrations
APPROVED

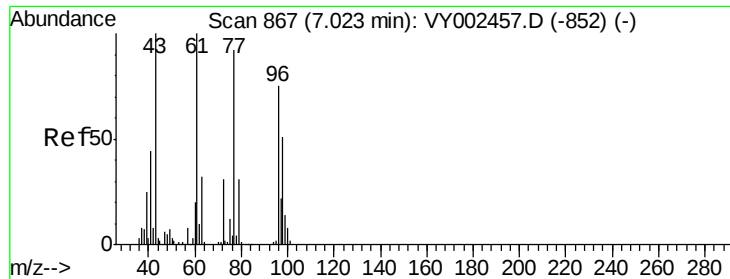
MMDadoda
4/24/2020 1:33:35 PM



#26
2,2-Dichloropropane
Concen: 96.080 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion: 77 Resp: 419787
Ion Ratio Lower Upper
77 100
97 23.6 12.0 36.0





#27

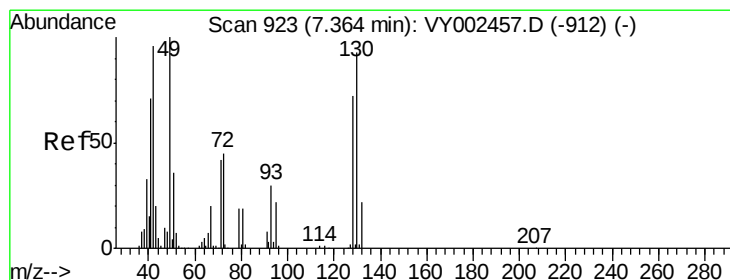
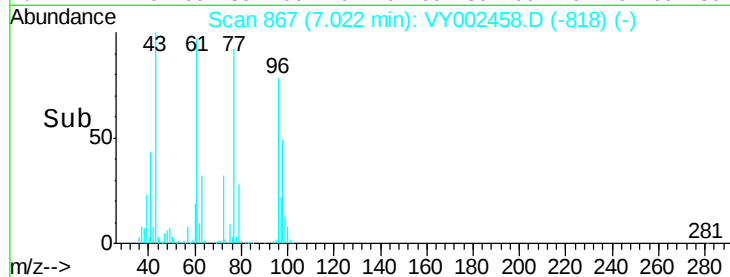
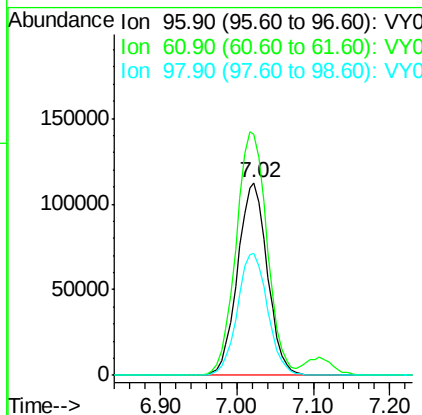
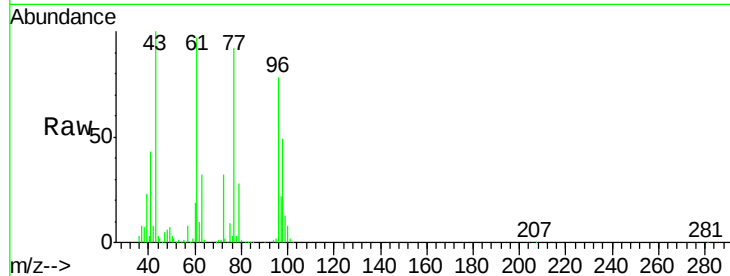
cis-1,2-Dichloroethene
 Concen: 95.188 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	303514		
61	131.7		0.0	262.6
98	64.4		0.0	131.0

Manual Integrations
 APPROVED

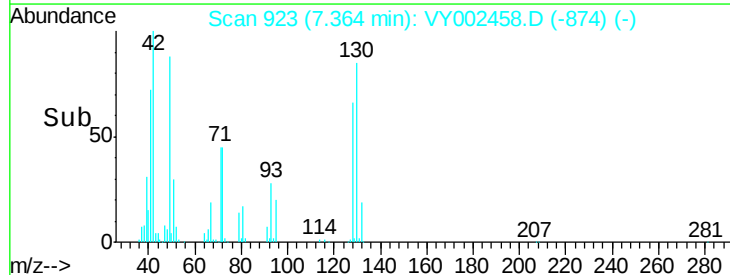
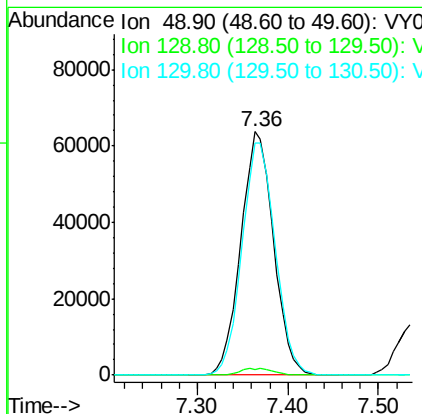
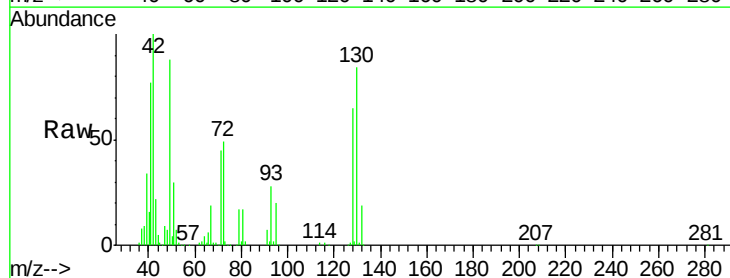
MMDadoda
 4/24/2020 1:33:35 PM

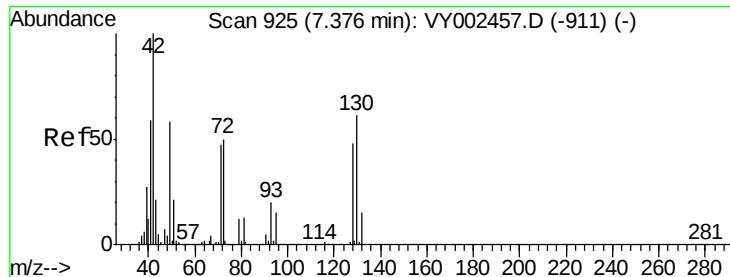


#28

Bromochloromethane
 Concen: 88.176 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159178		
129	2.8		0.0	5.6
130	97.0		76.3	114.5





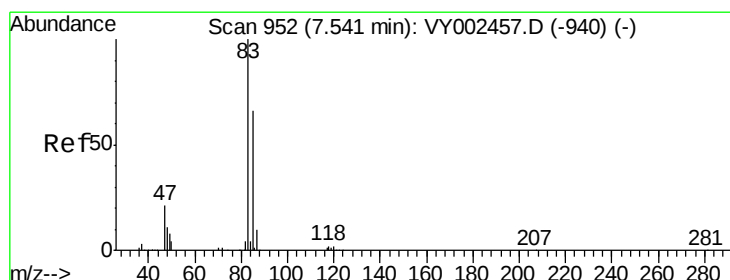
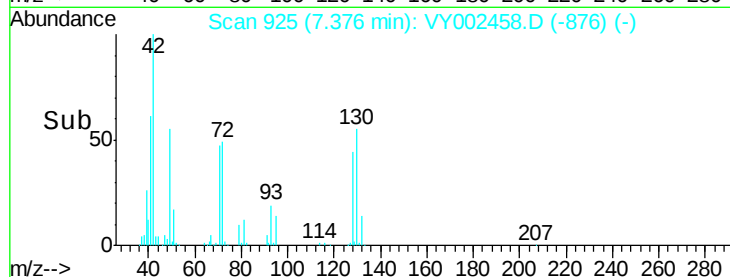
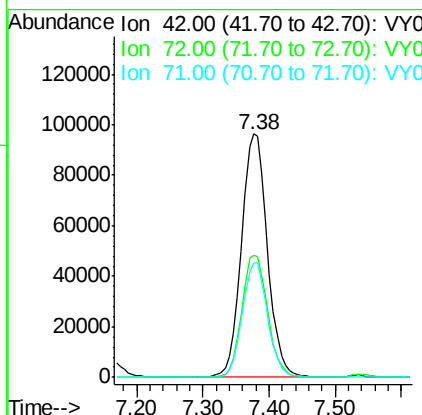
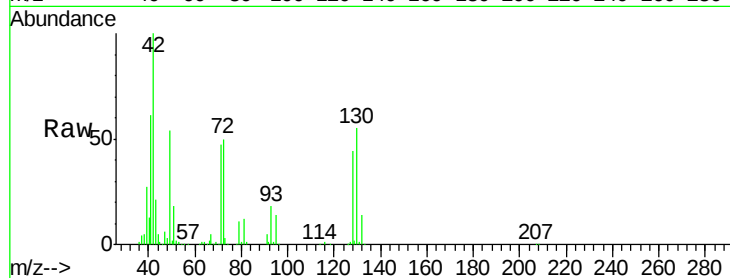
#29
Tetrahydrofuran
Concen: 474.813 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	39.5	59.3
71	45.8	37.6	56.4

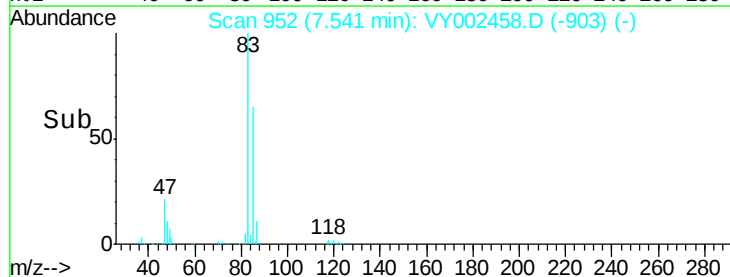
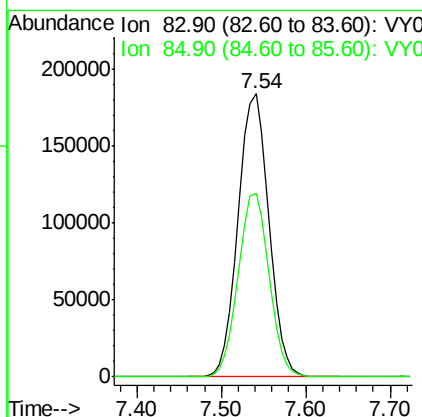
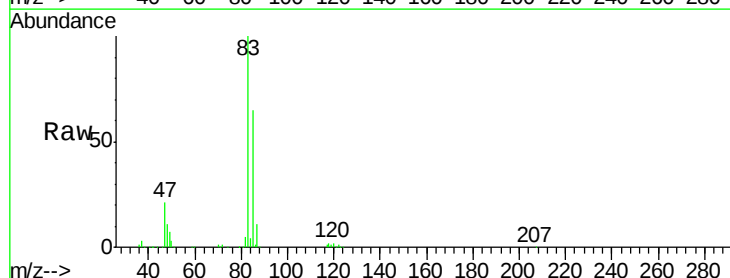
Manual Integrations
APPROVED

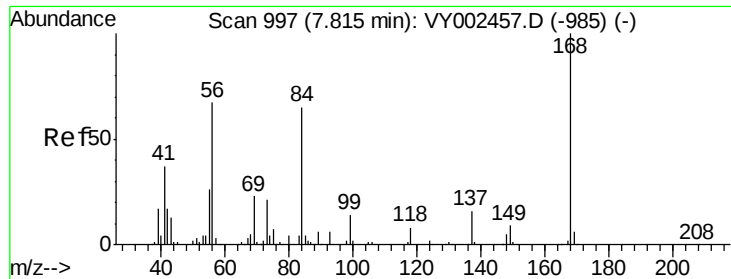
MMDadoda
4/24/2020 1:33:35 PM



#30
Chloroform
Concen: 93.236 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





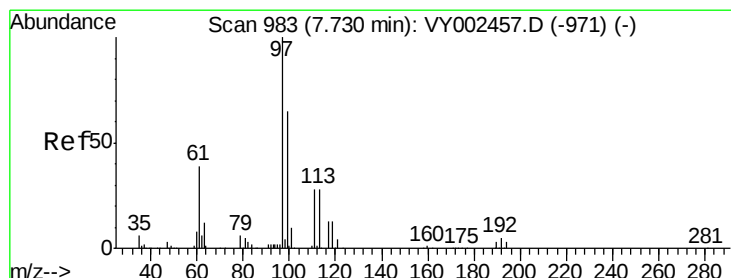
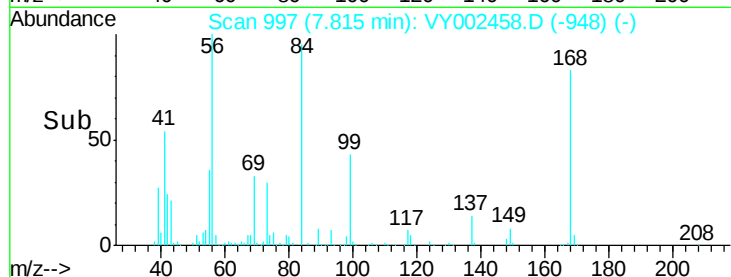
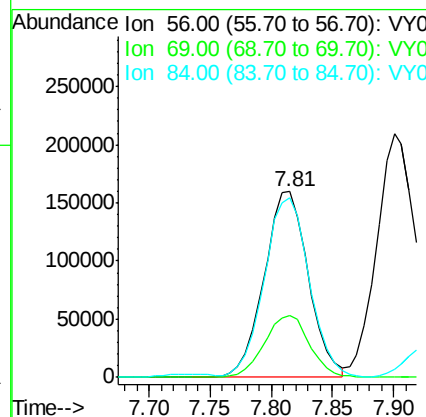
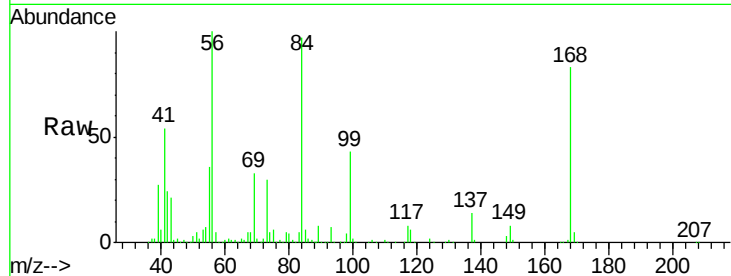
#31
Cyclohexane
Concen: 86.761 ug/l
RT: 7.81 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.0	40.6
84	95.3	77.4	116.2

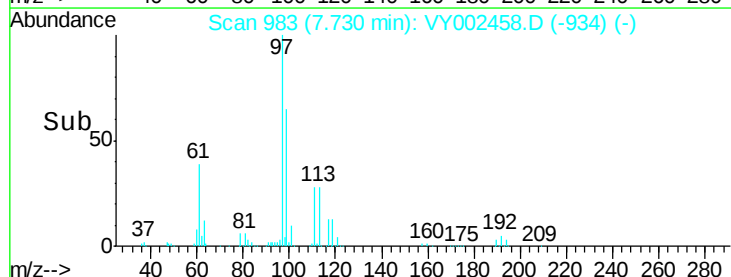
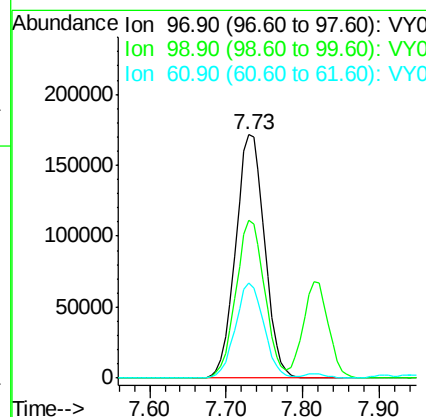
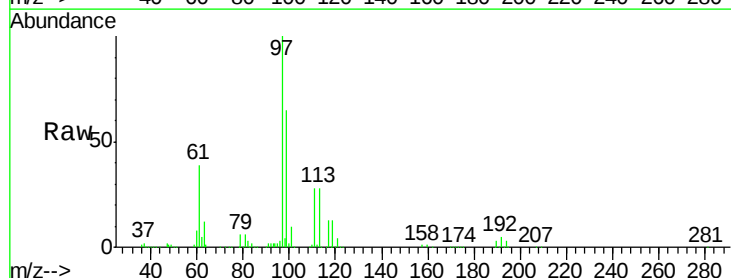
Manual Integrations
APPROVED

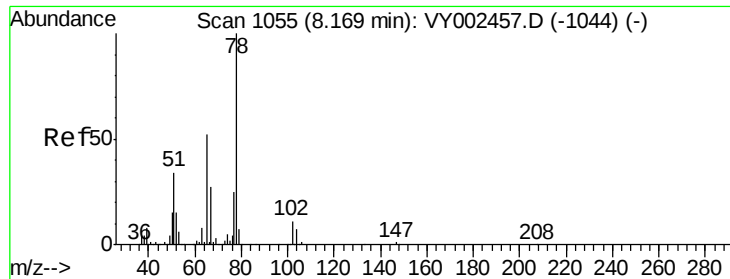
MMDadoda
4/24/2020 1:33:35 PM



#32
1,1,1-Trichloroethane
Concen: 98.139 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	38.4	30.6	45.8





#33

1,2-Dichloroethane-d4

Concen: 89.651 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 237785

Ion Ratio Lower Upper

65 100

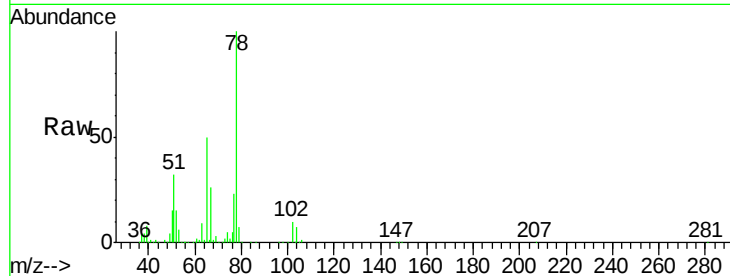
67 51.7 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.17

120000

100000

80000

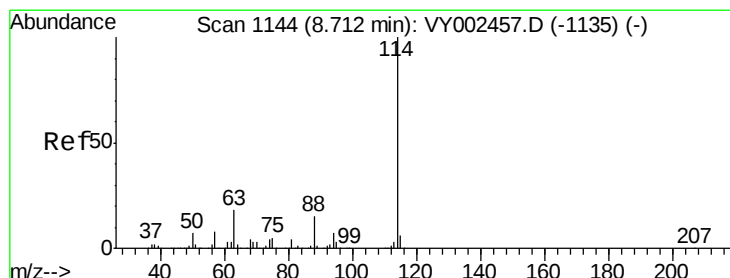
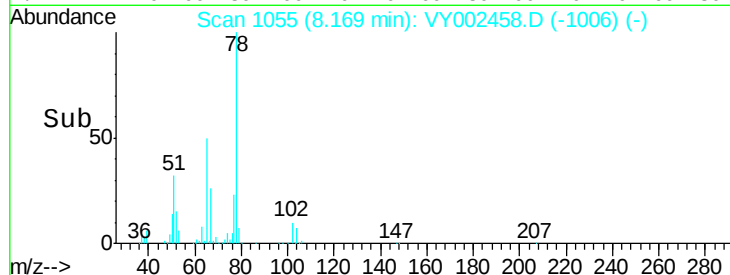
60000

40000

20000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

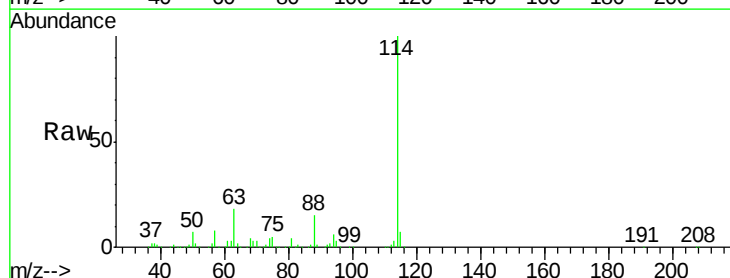
Tgt Ion: 114 Resp: 444498

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.6 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

300000

250000

200000

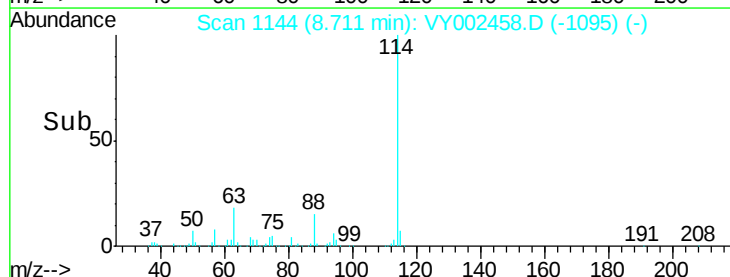
150000

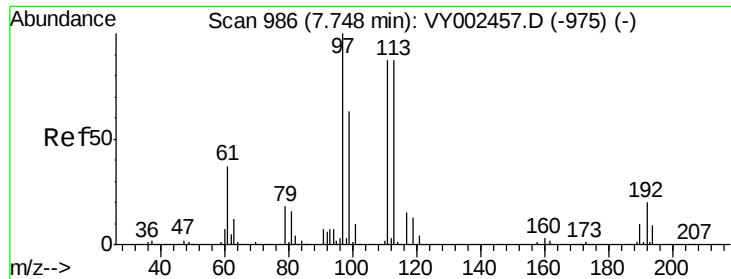
100000

50000

0

Time--> 8.60 8.70 8.80





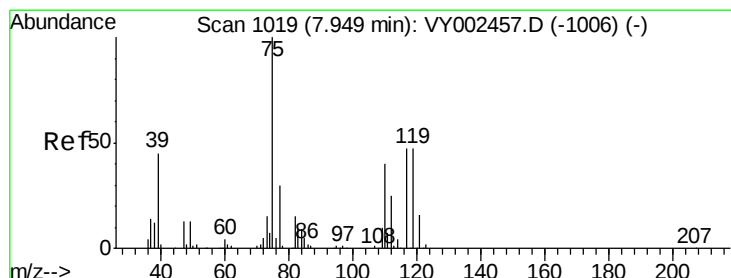
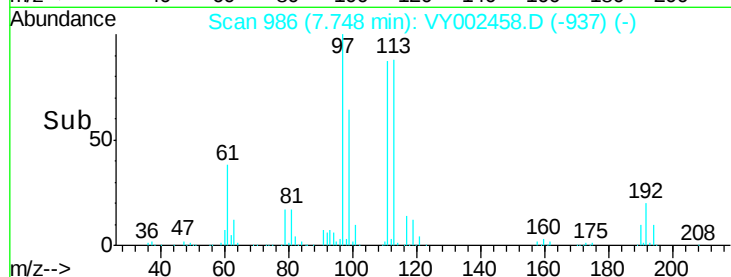
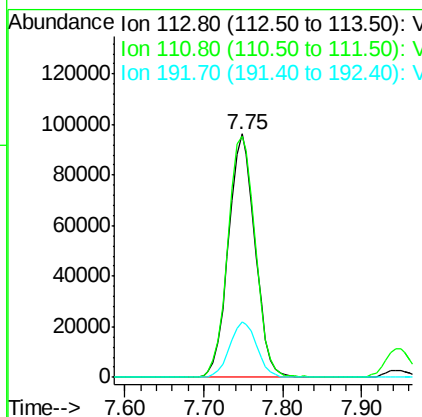
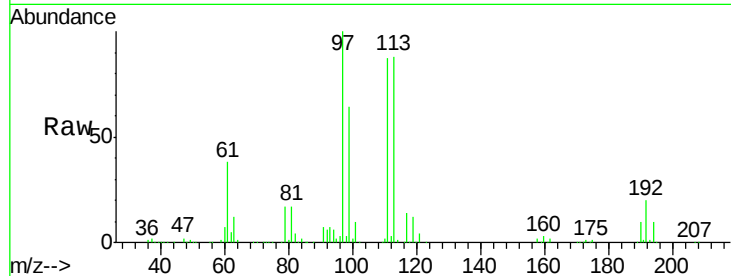
#35
 Dibromofluoromethane
 Concen: 89.685 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225629		
111	102.6		81.0	121.4
192	23.1		18.6	27.8

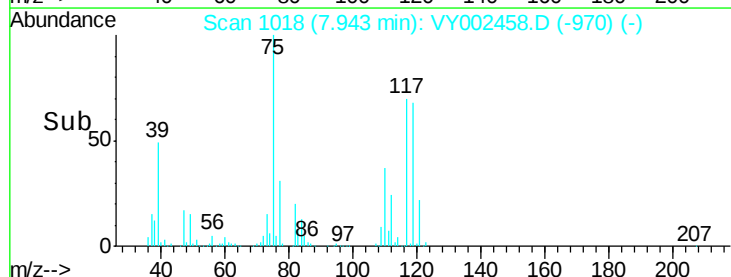
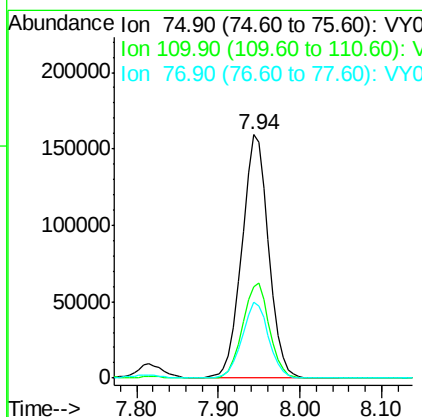
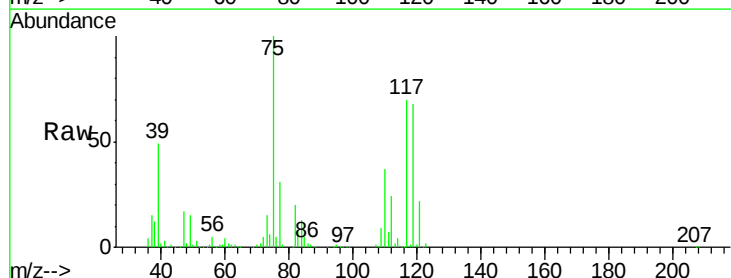
Manual Integrations
 APPROVED

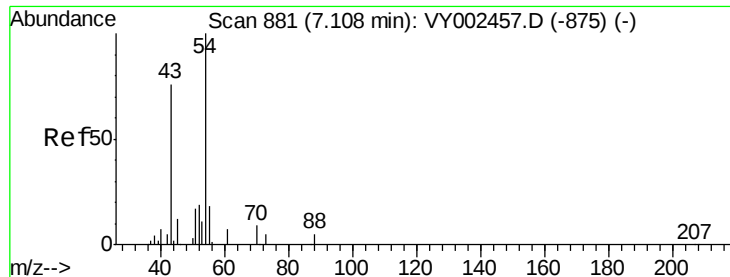
MMDadoda
 4/24/2020 1:33:35 PM



#36
 1,1-Dichloropropene
 Concen: 94.901 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	362036		
110	38.8		19.4	58.4
77	31.0		24.7	37.1





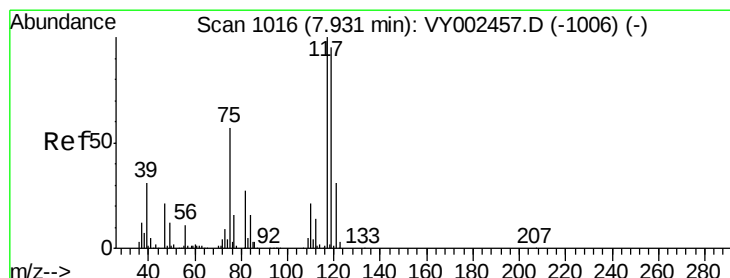
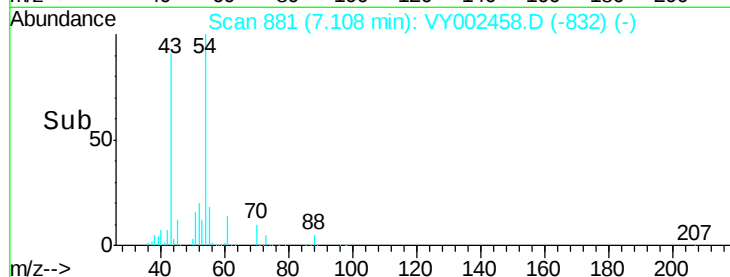
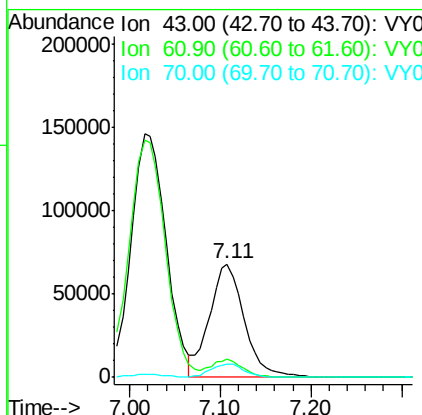
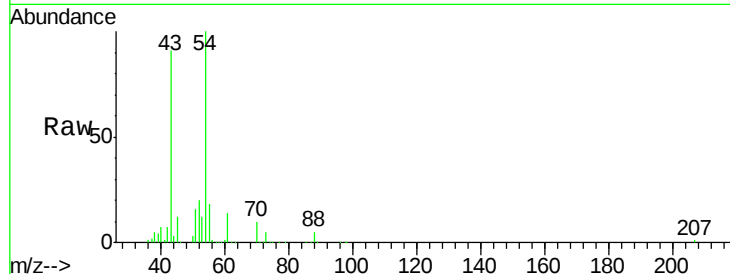
#37
Ethyl Acetate
Concen: 96.445 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	11.5	9.3	13.9

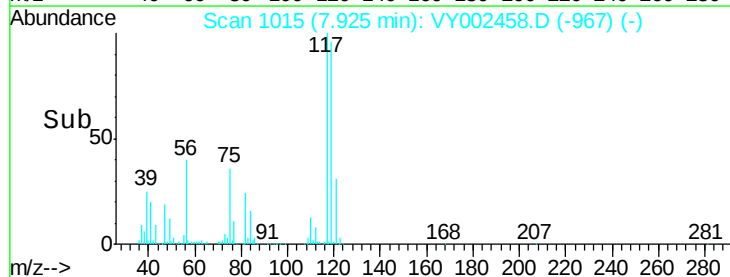
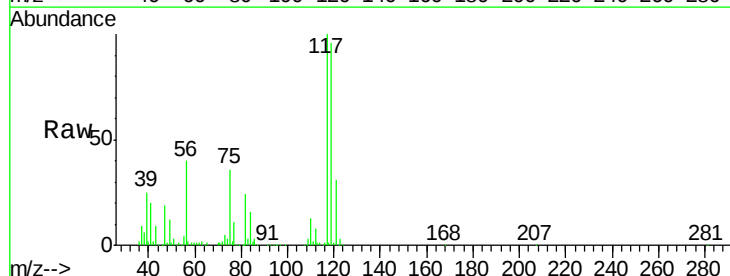
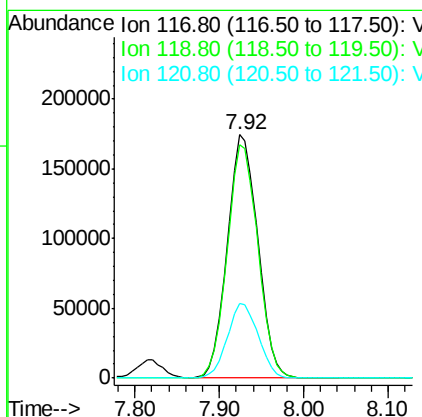
Manual Integrations
APPROVED

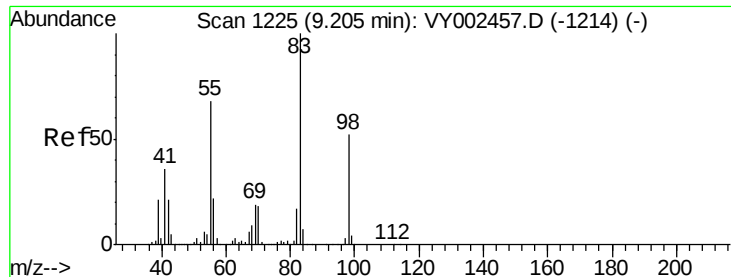
MMDadoda
4/24/2020 1:33:35 PM



#38
Carbon Tetrachloride
Concen: 98.247 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.9	113.9
121	30.6	24.5	36.7





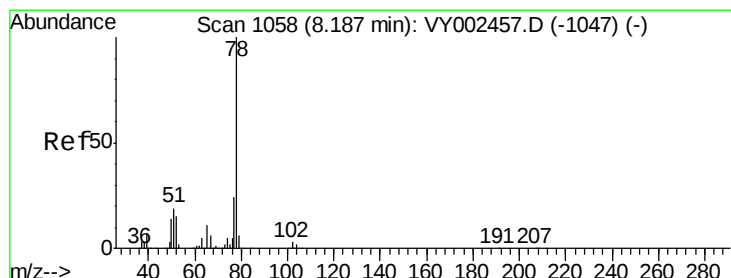
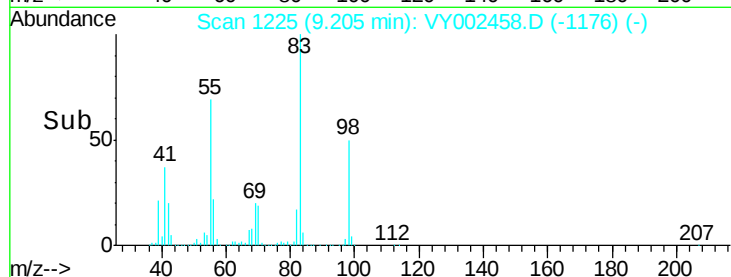
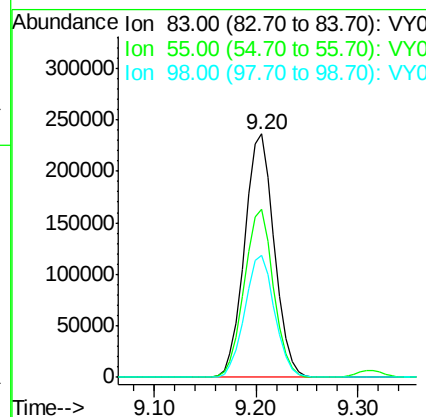
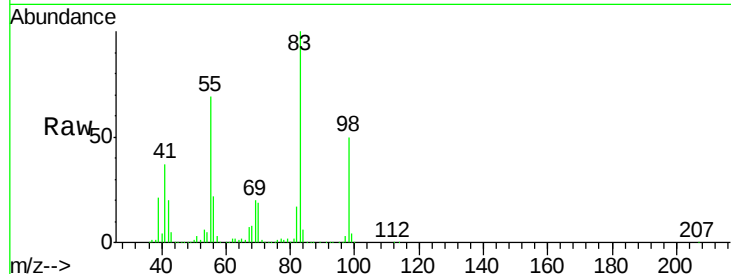
#39
Methvlcvclohexane
Concen: 96.021 ug/l
RT: 9.20 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	475969
Ion Ratio	Lower	Upper	
83	100		
55	69.3	54.2	81.2
98	50.3	41.9	62.9

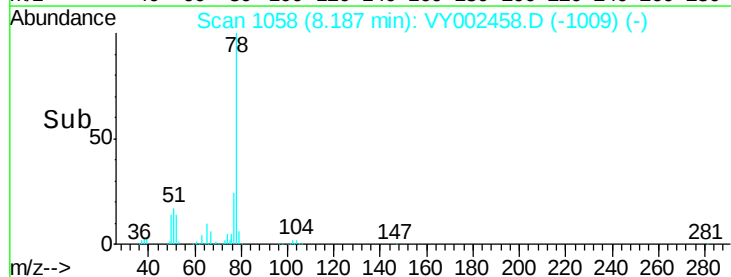
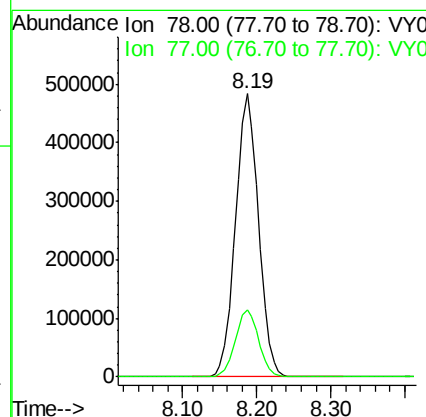
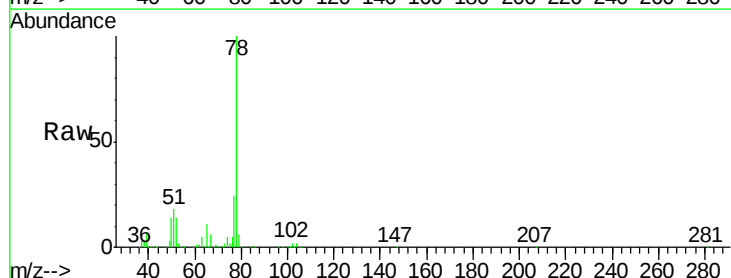
Manual Integrations
APPROVED

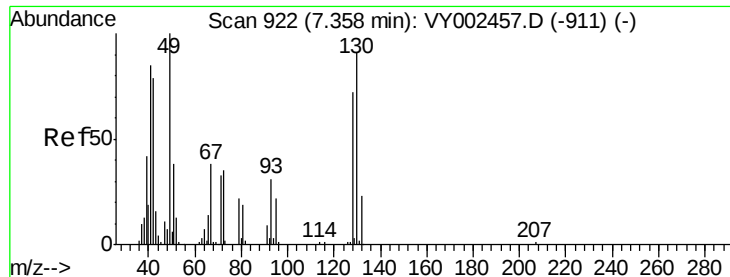
MMDadoda
4/24/2020 1:33:35 PM



#40
Benzene
Concen: 95.121 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	78	Resp	1047163
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.4	29.0





#41

Methacrylonitrile

Concen: 50.363 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 114073

Ion Ratio Lower Upper

41 100

39 104.4 85.7 128.5

67 0.0 0.0 0.0

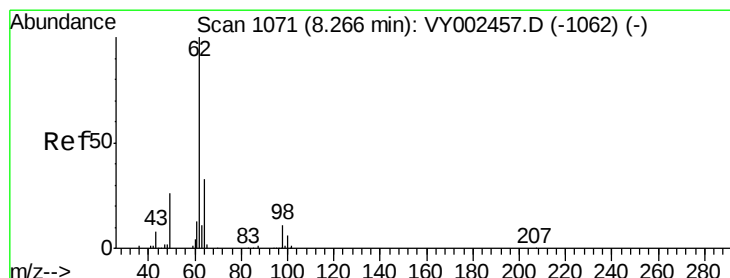
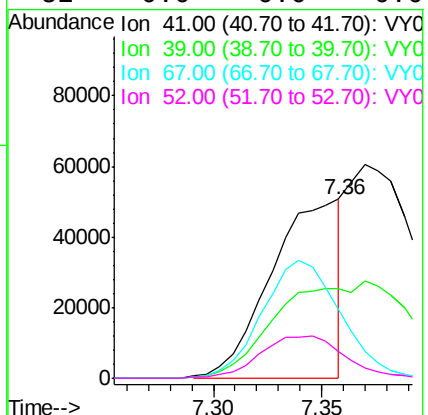
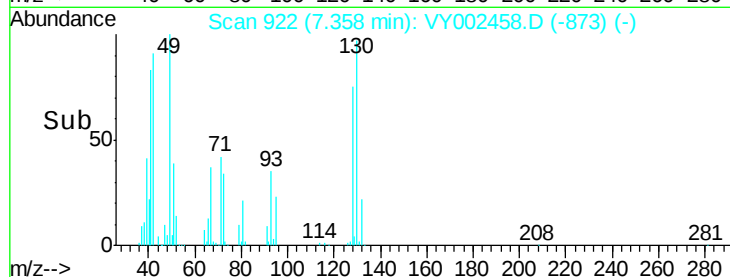
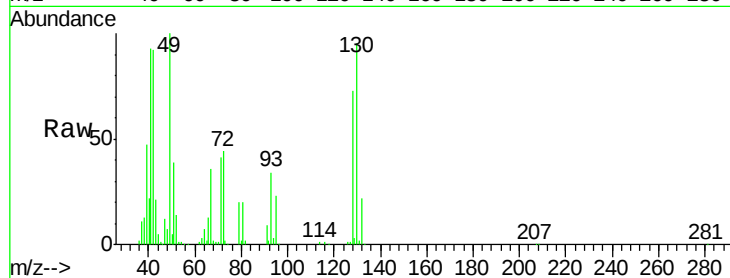
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

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#42

1,2-Dichloroethane

Concen: 96.650 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VY002458.D

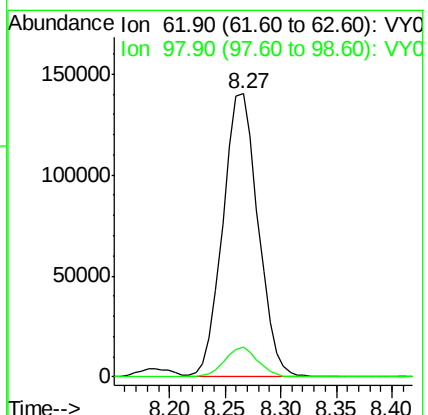
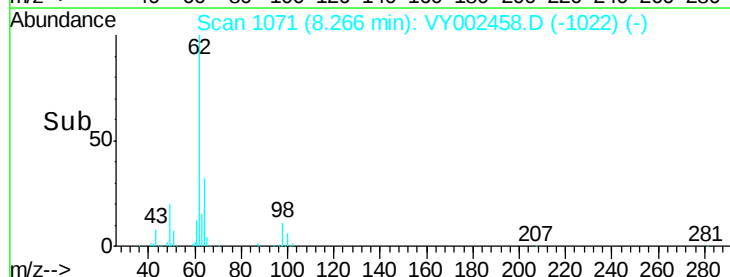
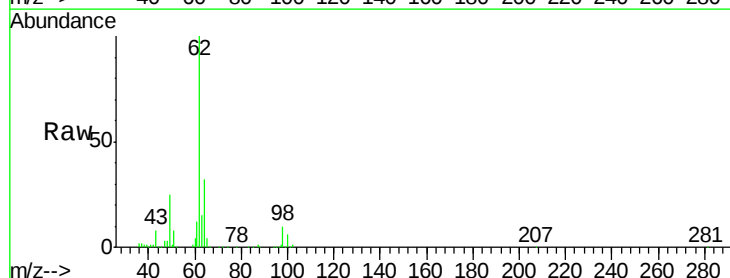
Acq: 23 Apr 2020 12:47

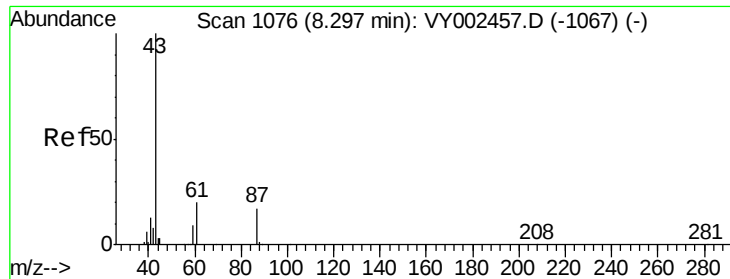
Tgt Ion: 62 Resp: 307973

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

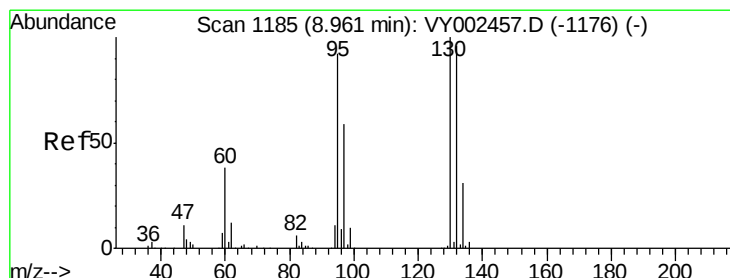
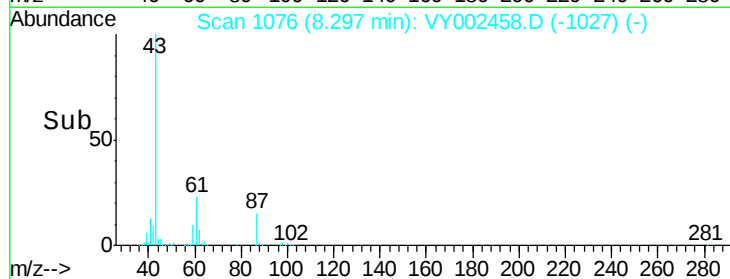
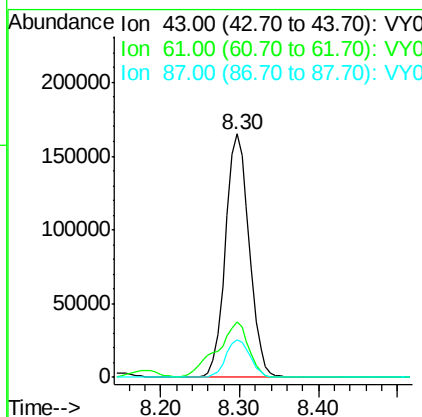
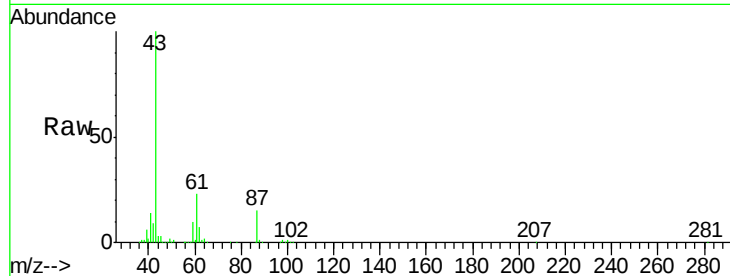
Isopropyl Acetate
 Concen: 98.177 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.0	37.4
87	15.8	13.0	19.4

Manual Integrations
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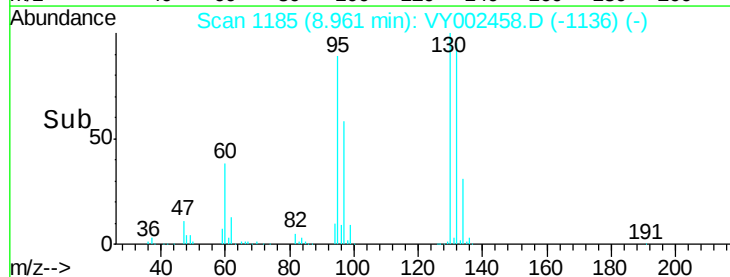
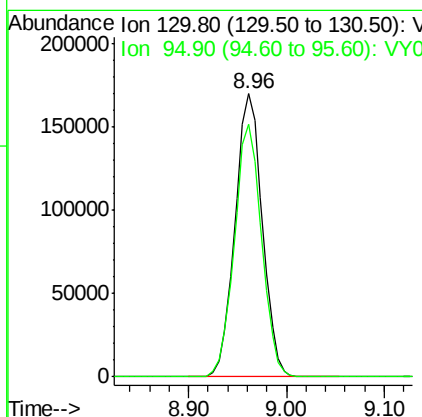
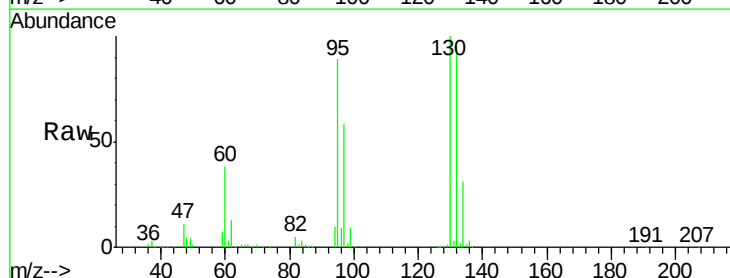
MMDadoda
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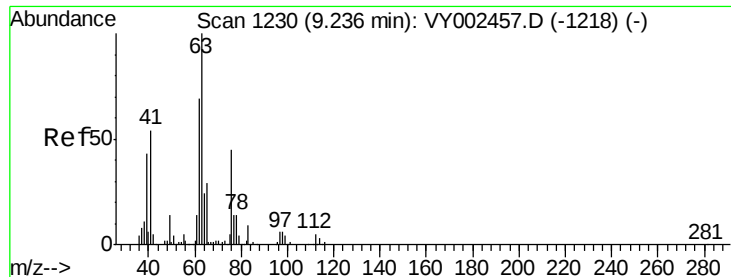


#44

Trichloroethene
 Concen: 95.033 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	184.2





#45

1,2-Dichloropropane

Concen: 93.084 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 236470

Ion Ratio Lower Upper

63 100

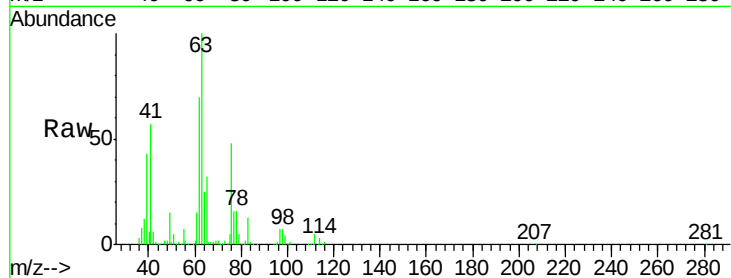
65 32.1 23.4 35.0

Manual Integrations

APPROVED

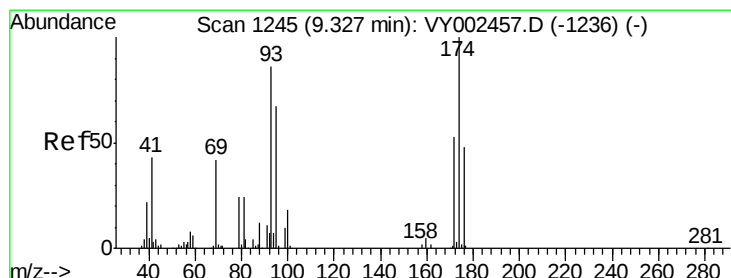
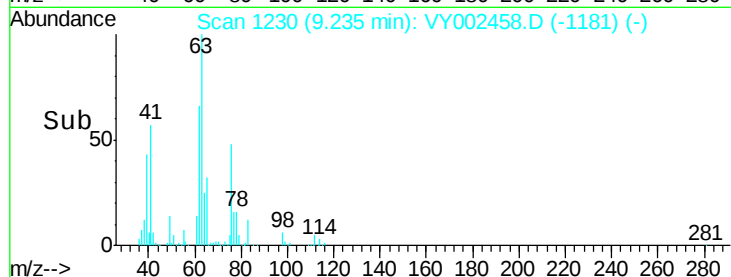
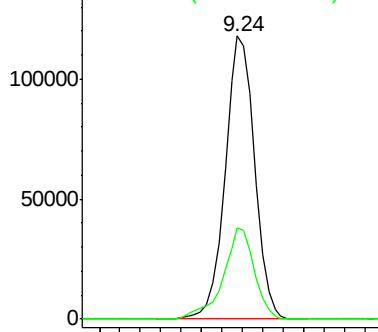
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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 97.494 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

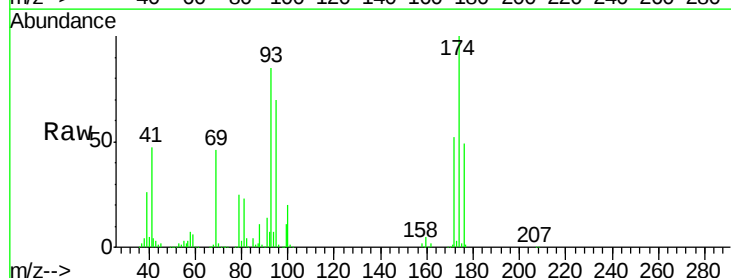
Tgt Ion: 93 Resp: 143722

Ion Ratio Lower Upper

93 100

95 82.0 65.4 98.0

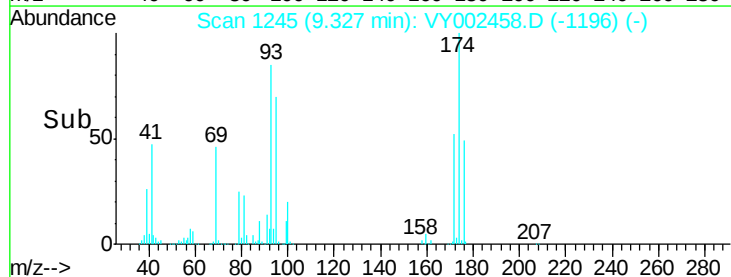
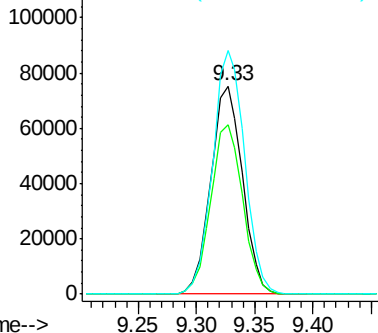
174 117.7 94.8 142.2

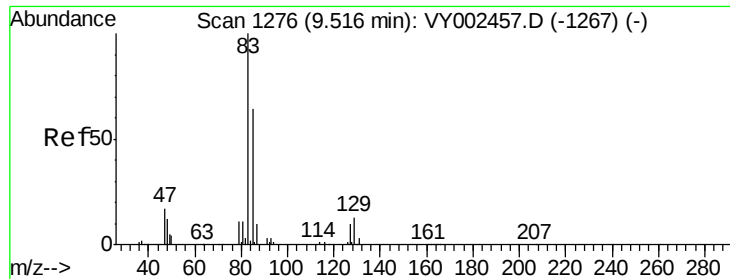


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 96.262 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

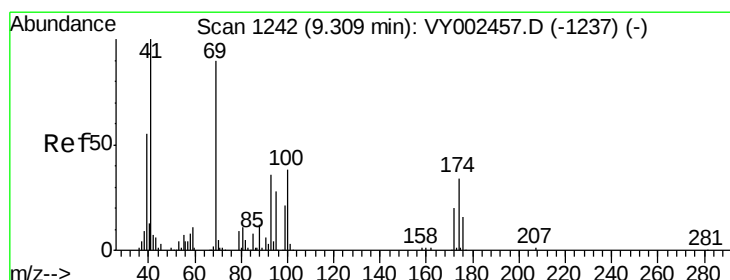
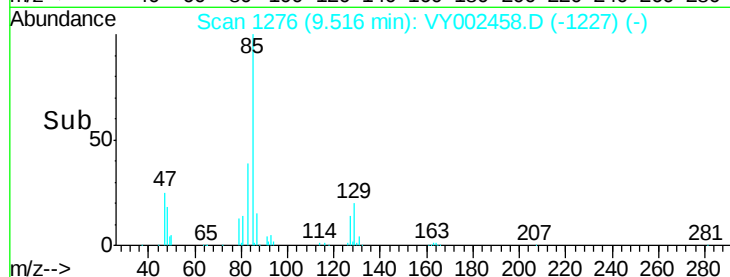
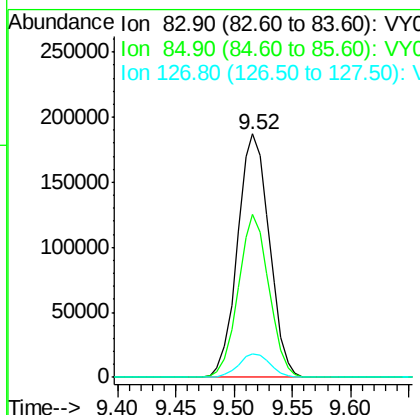
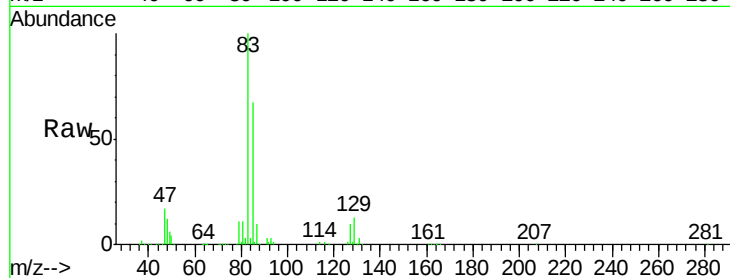
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	355690
Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.2	76.8
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 97.986 ug/l

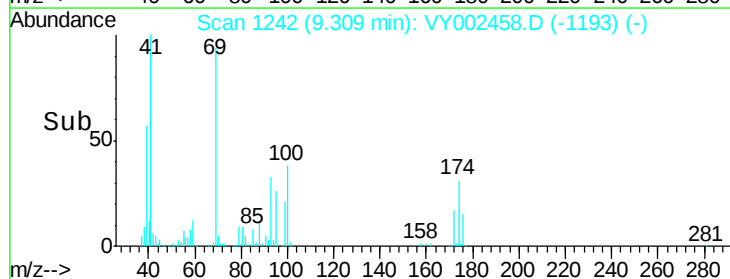
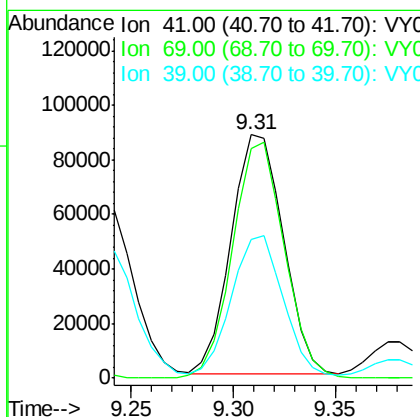
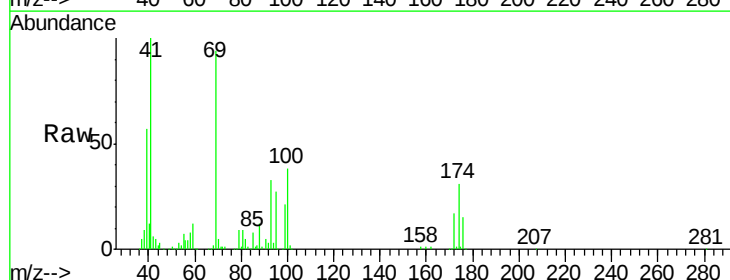
RT: 9.31 min Scan# 1242

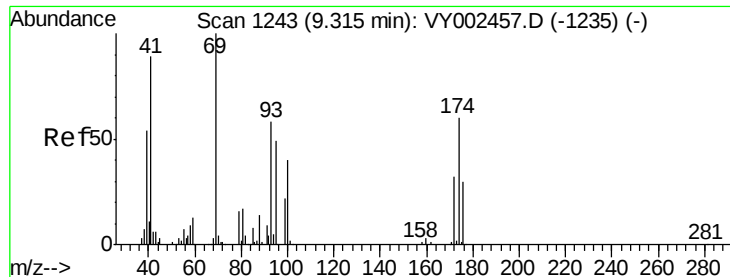
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	41	Resp:	156725
Ion	Ratio	Lower	Upper
41	100		
69	97.6	77.9	116.9
39	57.0	47.9	71.9





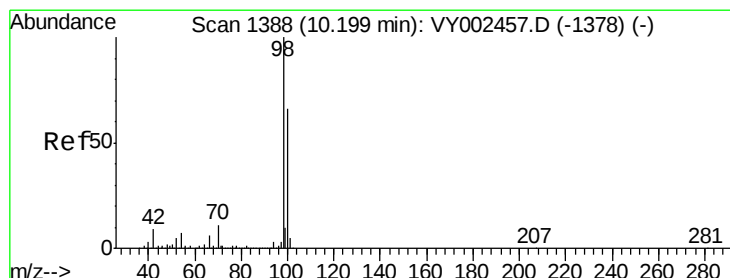
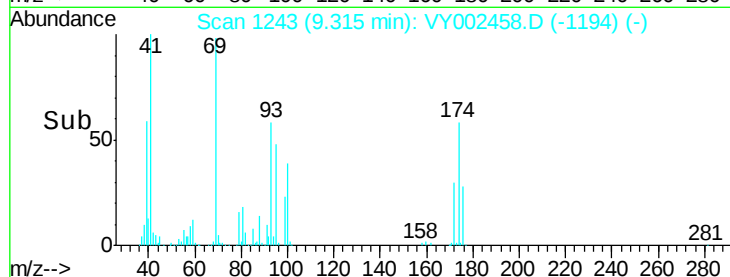
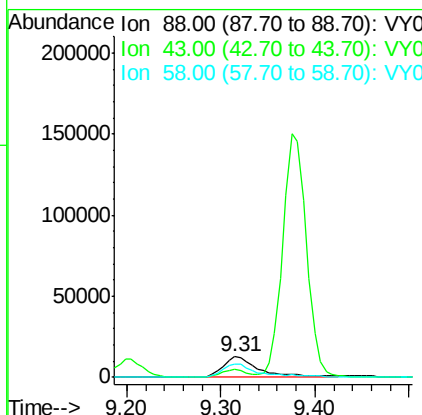
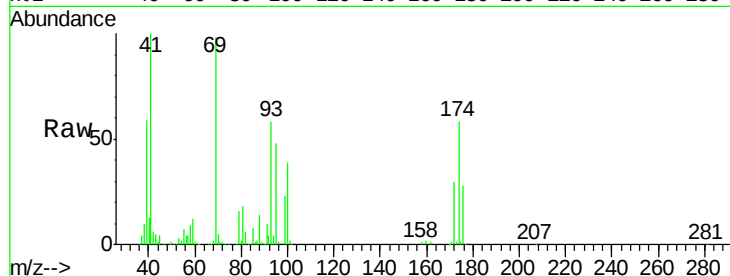
#49
1,4-Dioxane
Concen: 1870.567 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	22.9	34.3
58	67.4	49.5	74.3

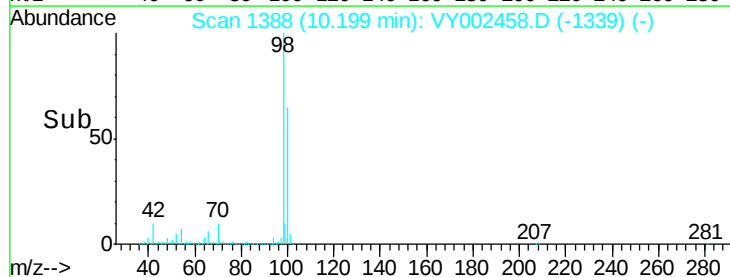
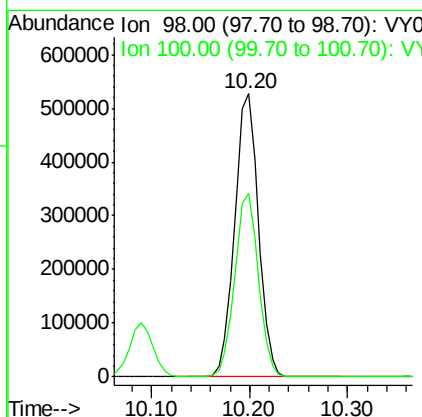
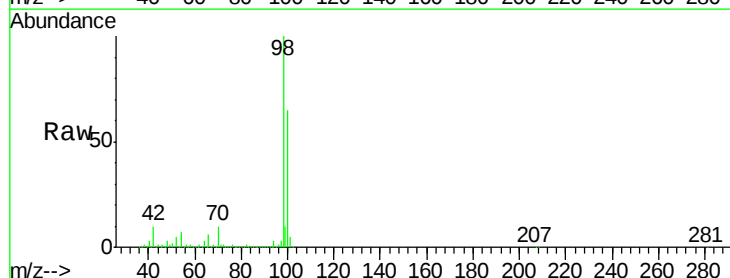
Manual Integrations
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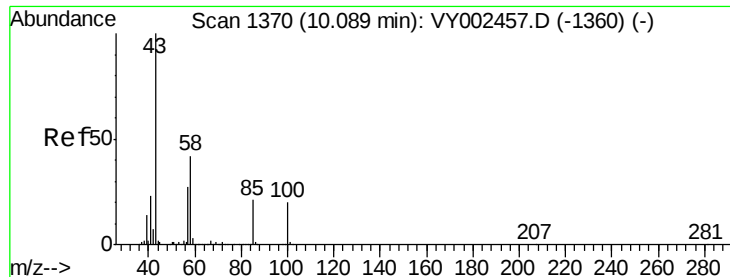
MMDadoda
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#50
Toluene-d8
Concen: 87.478 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.1	76.7





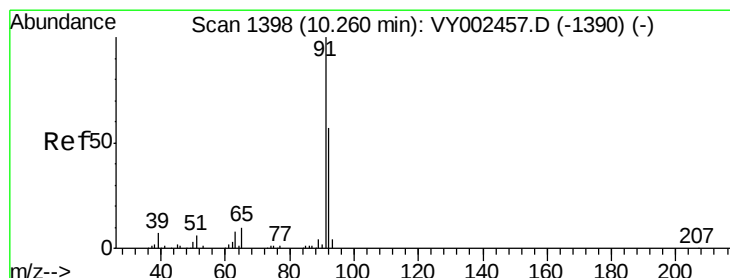
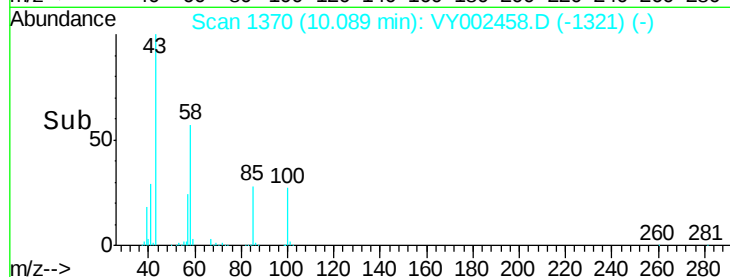
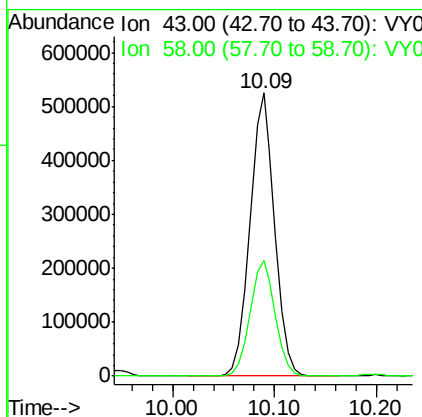
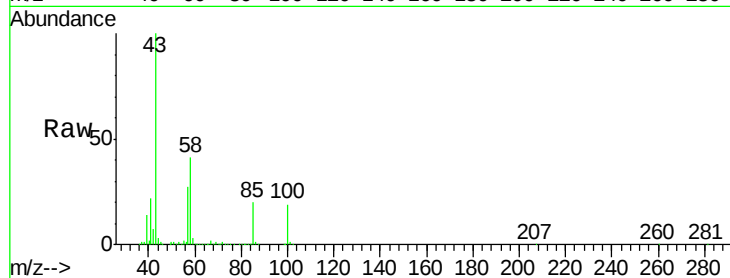
#51
4-Methyl-2-Pentanone
Concen: 483.958 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	33.2	49.8

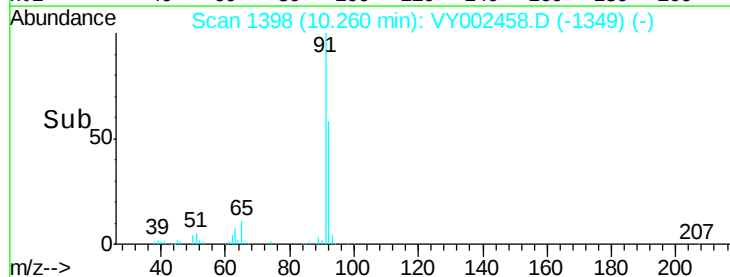
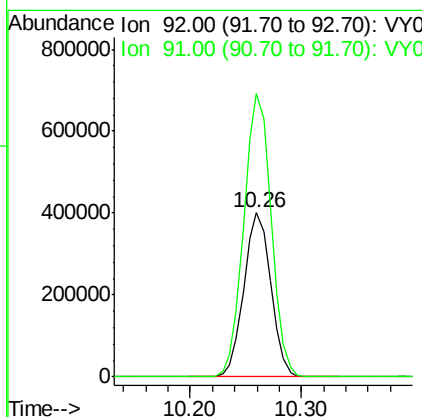
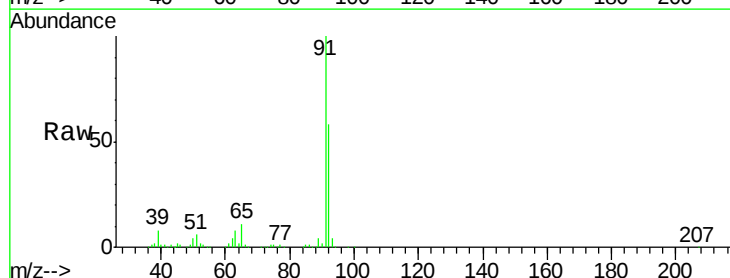
Manual Integrations
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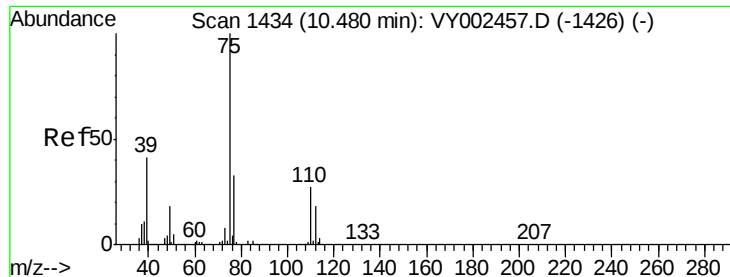
MMDadoda
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#52
Toluene
Concen: 95.682 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	140.2	210.2





#53

t-1,3-Dichloropropene

Concen: 101.161 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 388759

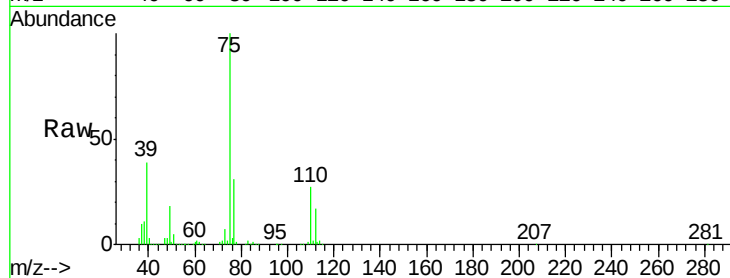
Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6

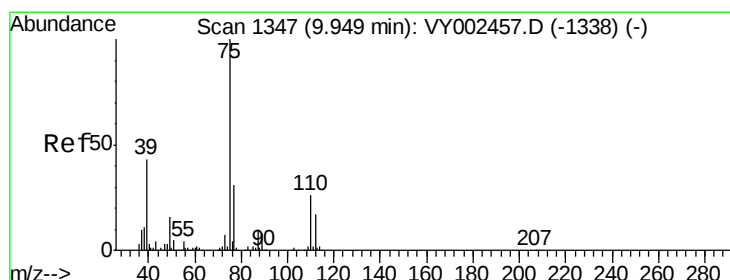
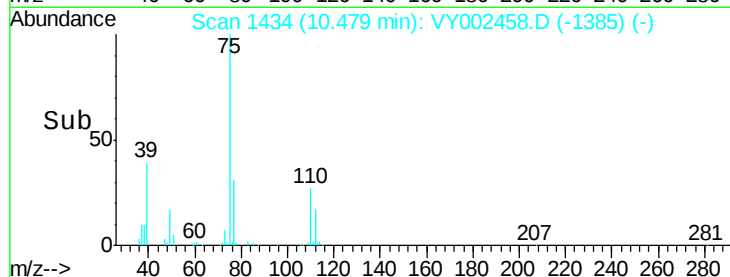
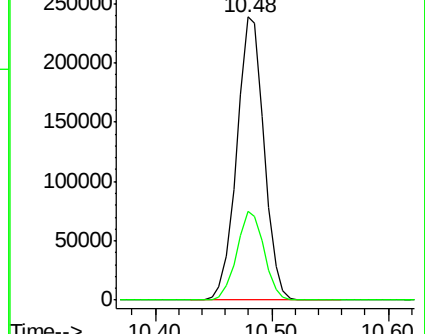
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 96.783 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

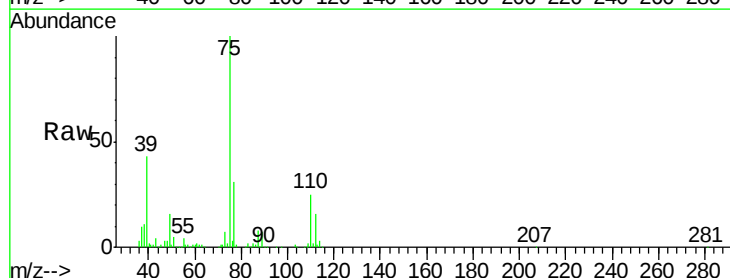
Tgt Ion: 75 Resp: 429094

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

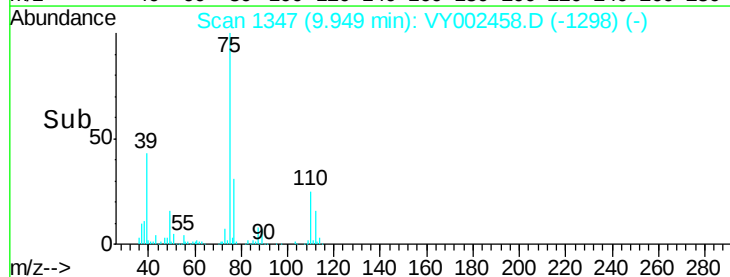
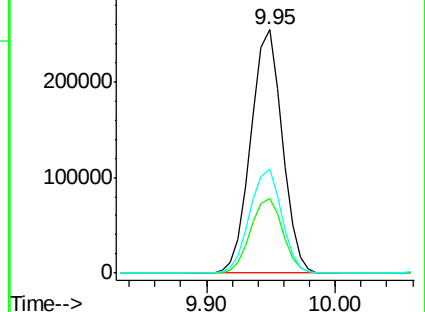
39 43.0 34.2 51.2

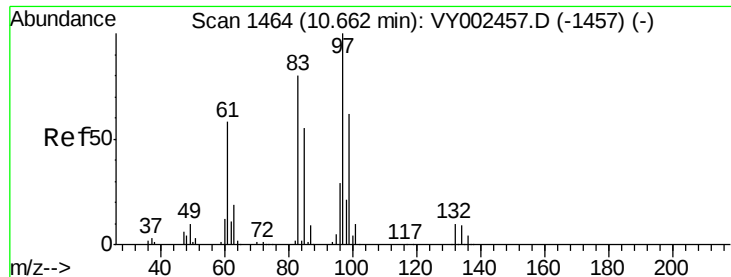


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





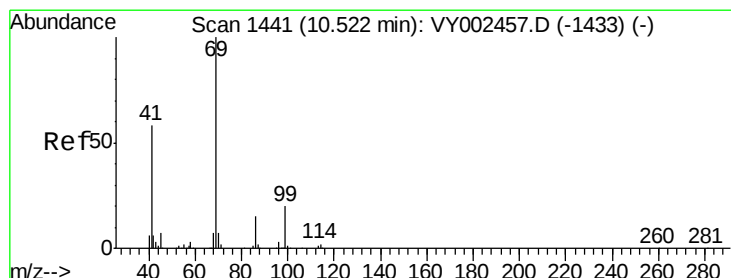
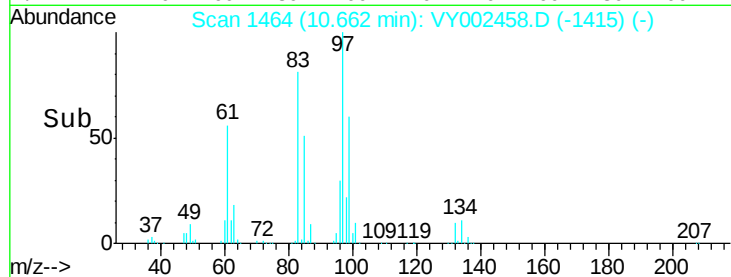
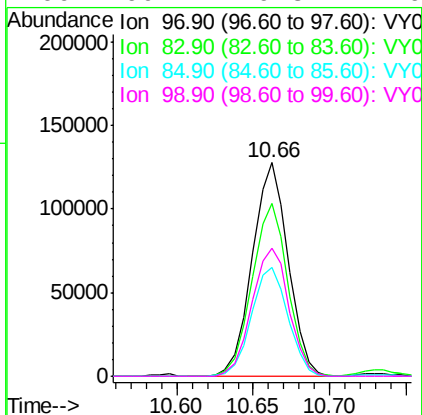
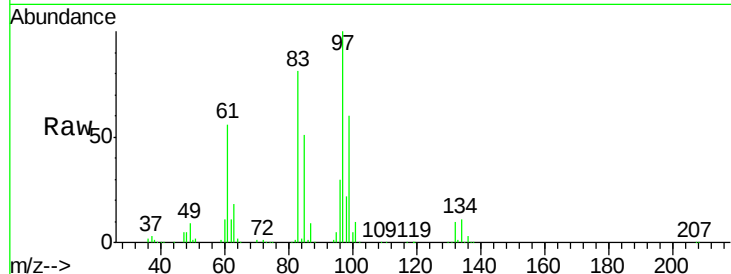
#55
 1,1,2-Trichloroethane
 Concen: 95.596 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		208699		
83	80.7	63.8	95.8		
85	51.1	43.9	65.9		
99	60.2	49.8	74.6		

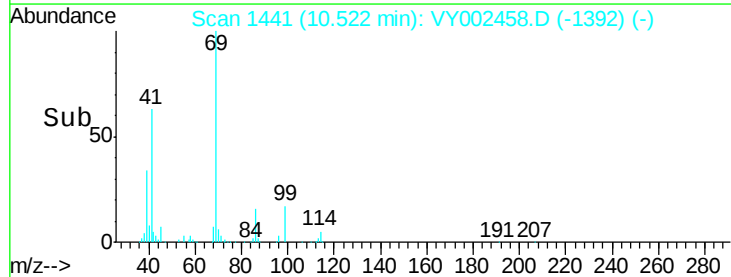
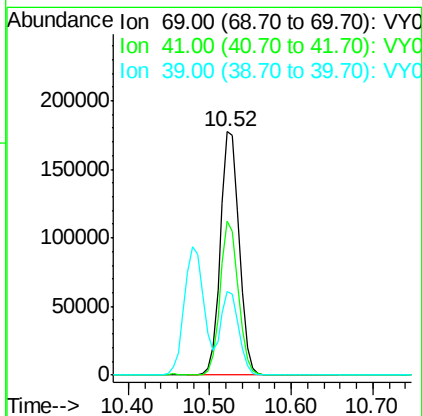
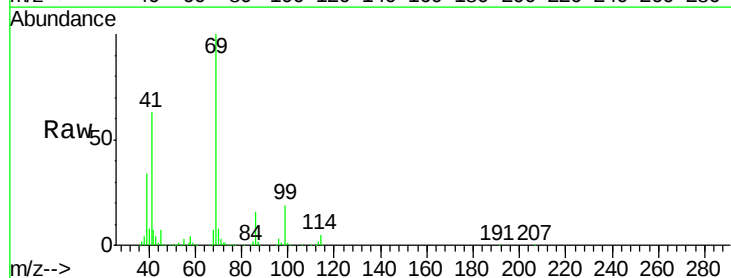
Manual Integrations
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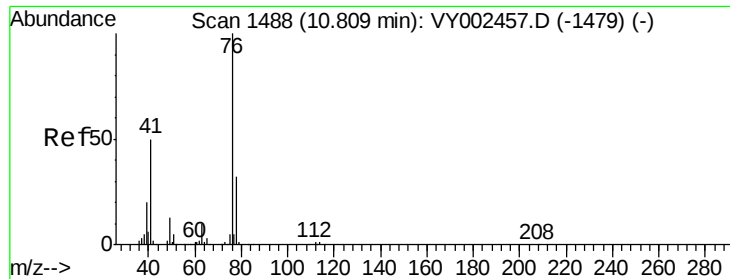
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#56
 Ethyl methacrylate
 Concen: 95.963 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		283270		
41	60.9	47.5	71.3		
39	33.2	25.7	38.5		





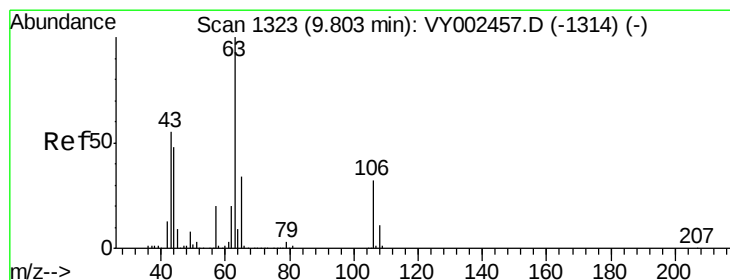
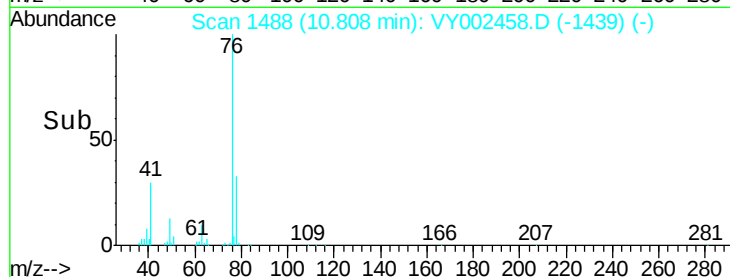
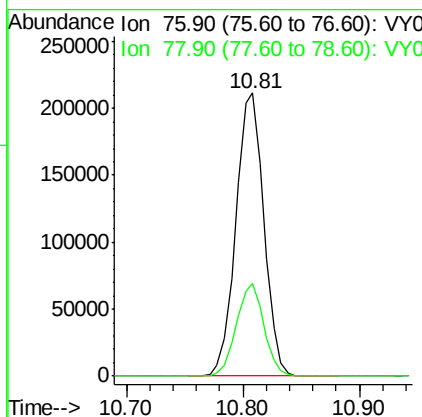
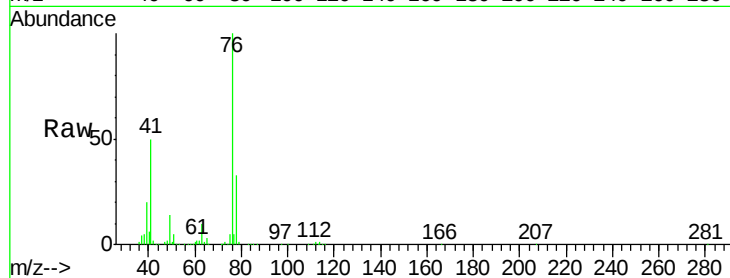
#57
 1,3-Dichloropropane
 Concen: 95.872 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 353119
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

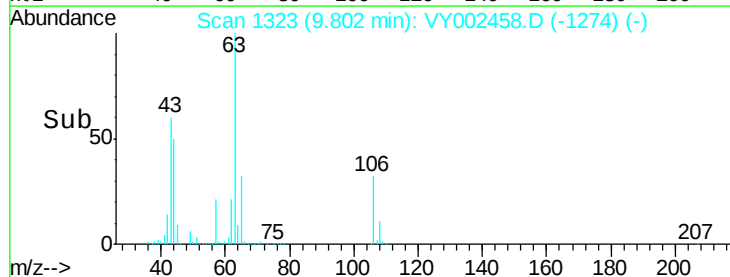
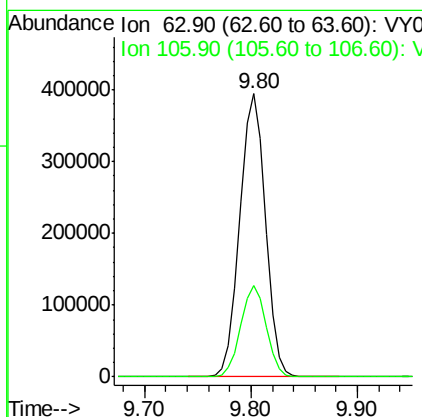
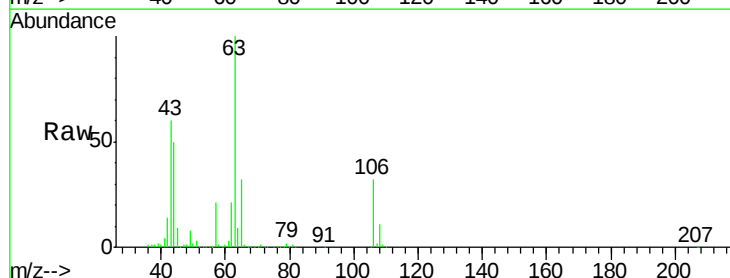
Manual Integrations
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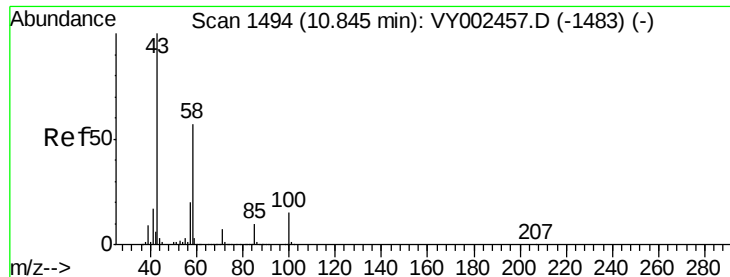
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 465.084 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion: 63 Resp: 670557
 Ion Ratio Lower Upper
 63 100
 106 32.0 26.0 39.0





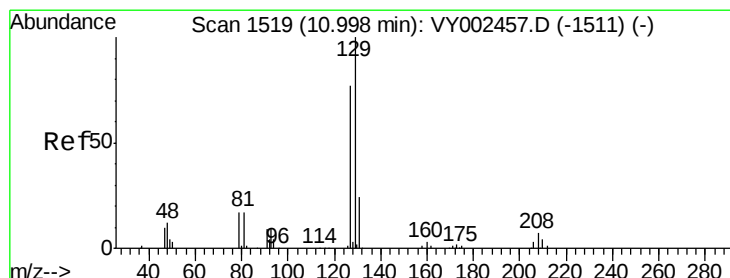
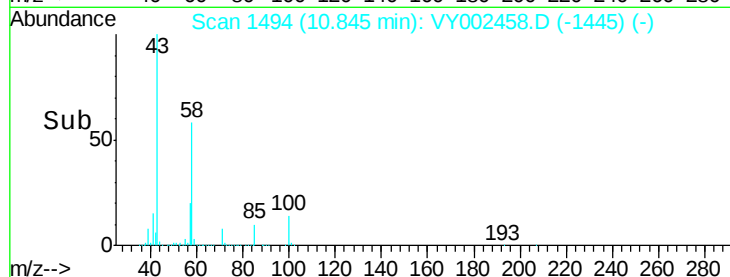
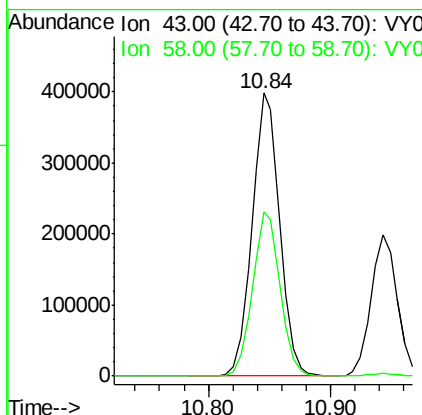
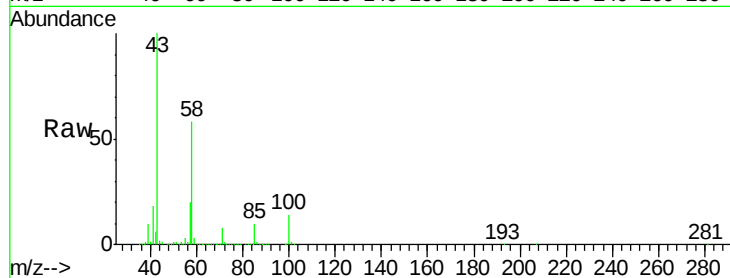
#59
2-Hexanone
Concen: 494.914 ug/l
RT: 10.84 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 622959
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.4

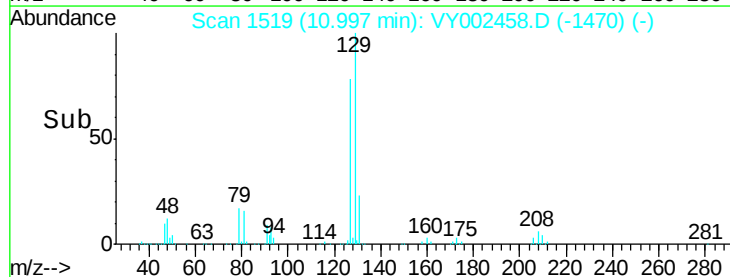
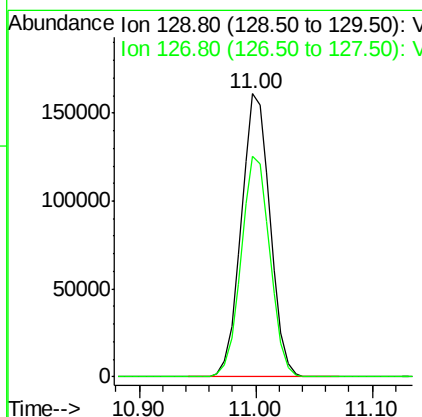
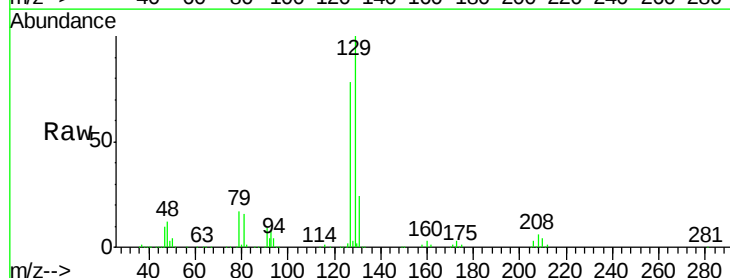
Manual Integrations
APPROVED

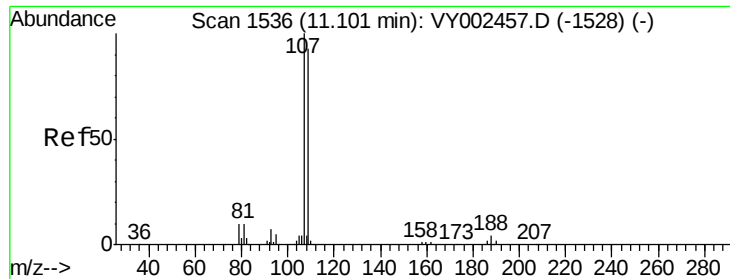
MMDadoda
4/24/2020 1:33:35 PM



#60
Dibromochloromethane
Concen: 97.725 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion: 129 Resp: 278019
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9





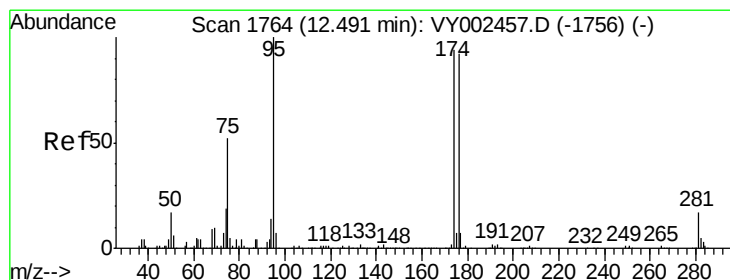
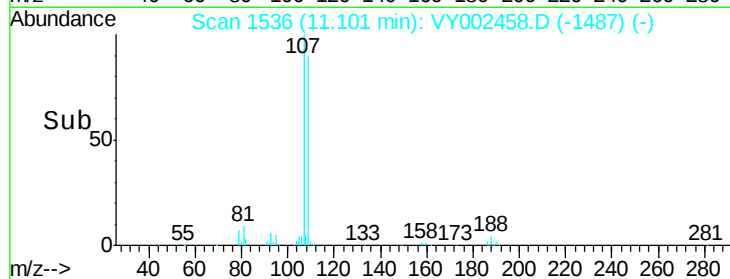
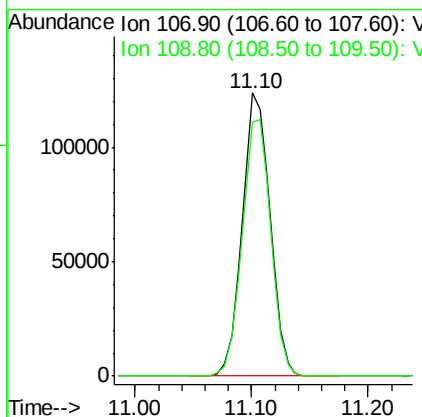
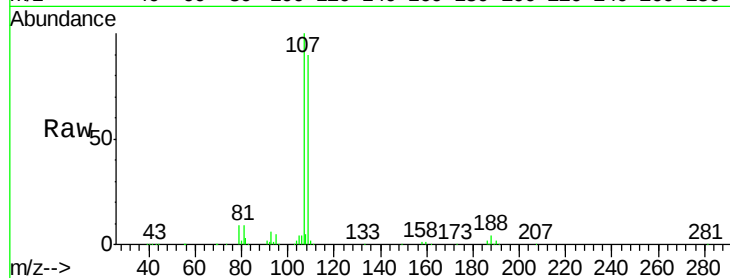
#61
 1,2-Dibromoethane
 Concen: 95.652 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	206616		
109	93.6	74.9	112.3	

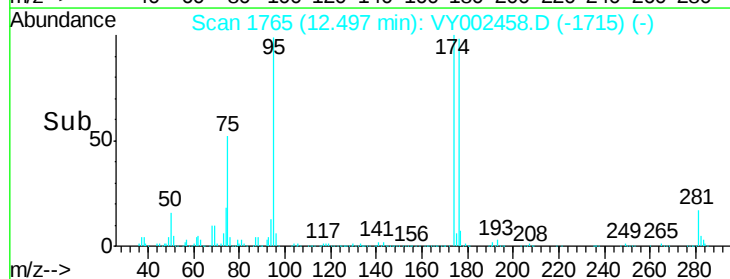
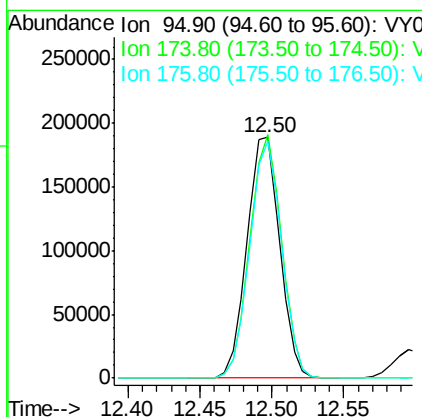
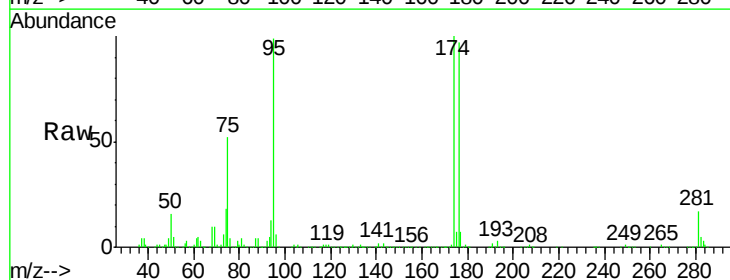
Manual Integrations
 APPROVED

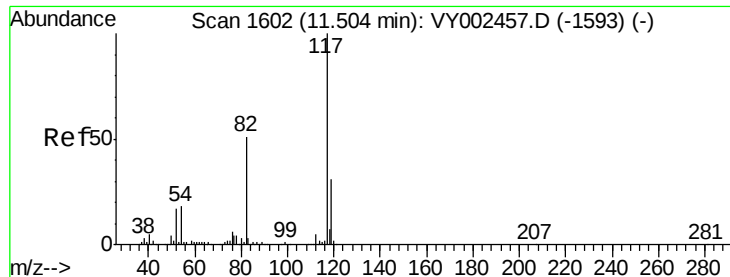
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 4/24/2020 1:33:35 PM



#62
 4-Bromofluorobenzene
 Concen: 87.291 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	296471		
174	98.0	0.0	193.0	
176	95.2	0.0	190.4	





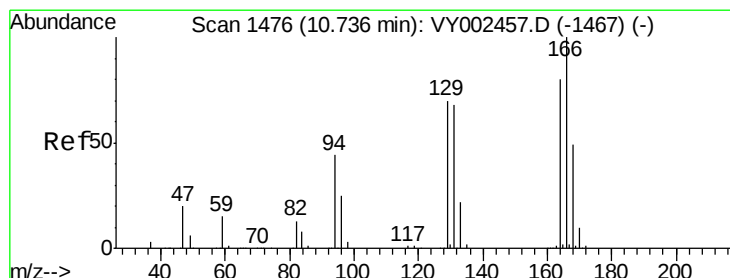
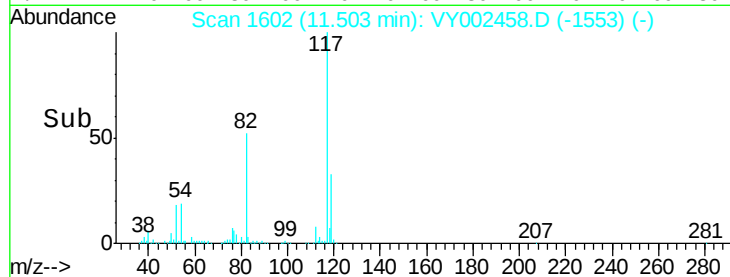
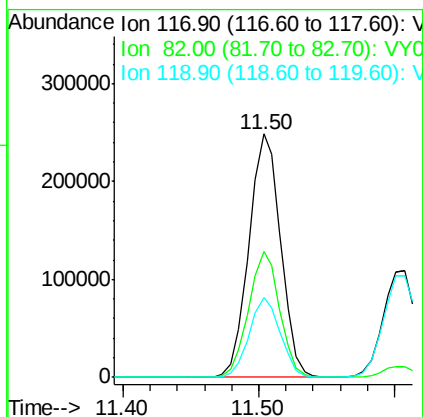
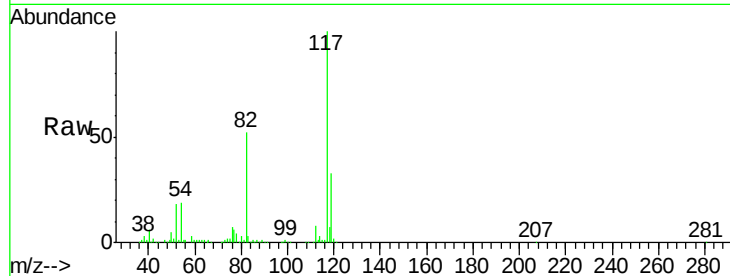
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406172		
82	51.7		40.8	61.2
119	32.7		25.2	37.8

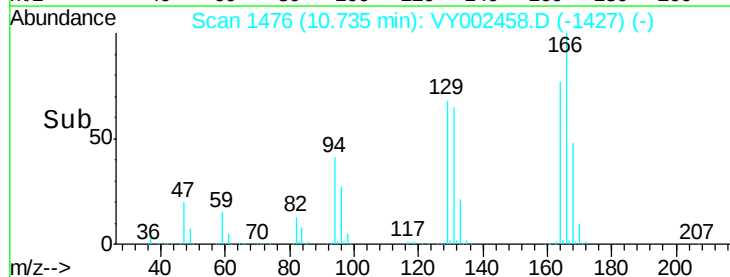
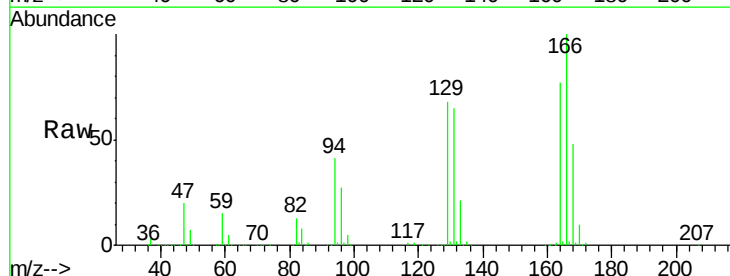
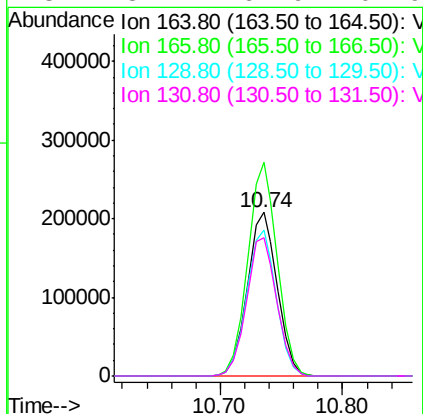
Manual Integrations
APPROVED

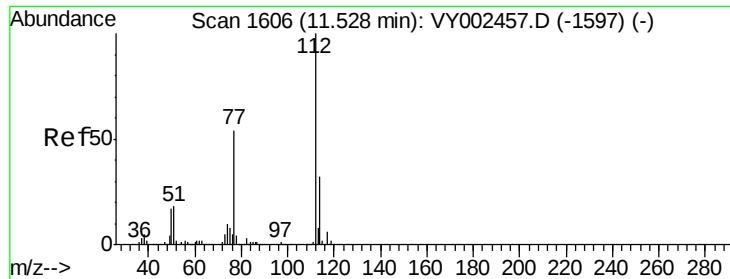
MMDadoda
4/24/2020 1:33:35 PM



#64
Tetrachloroethene
Concen: 94.267 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	352092		
166	130.5		100.0	150.0
129	89.1		69.8	104.8
131	84.7		67.9	101.9





#65

Chlorobenzene

Concen: 96.619 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 756119

Ion Ratio Lower Upper

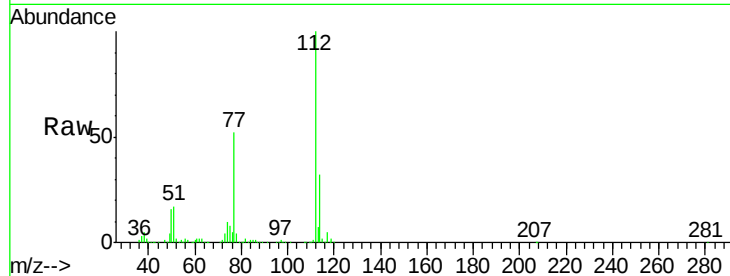
112 100

114 31.6 25.7 38.5

Manual Integrations
APPROVED

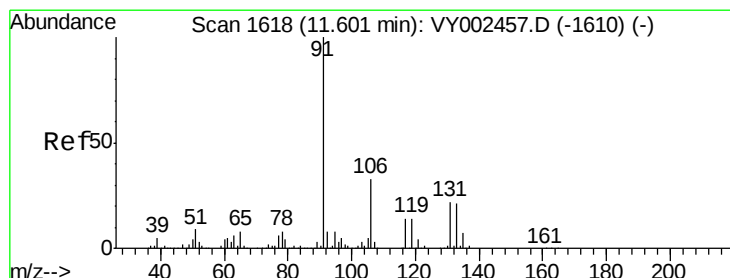
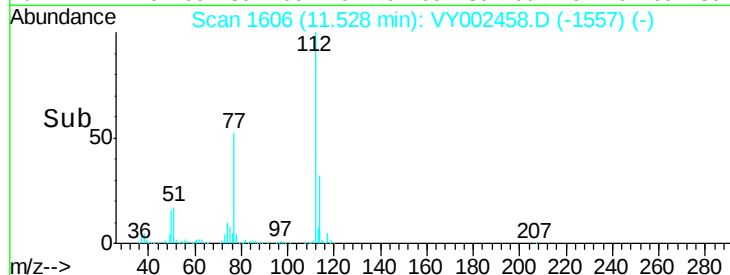
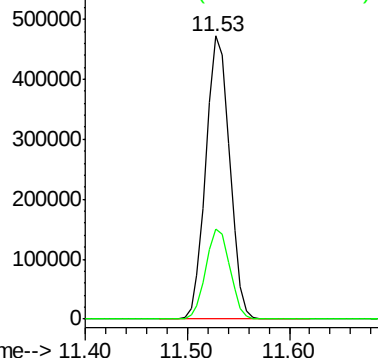
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 98.657 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

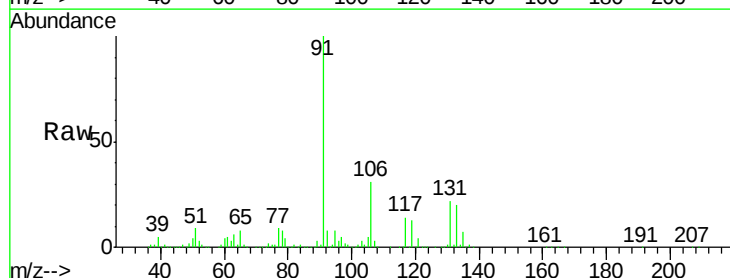
Tgt Ion:131 Resp: 288046

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.4

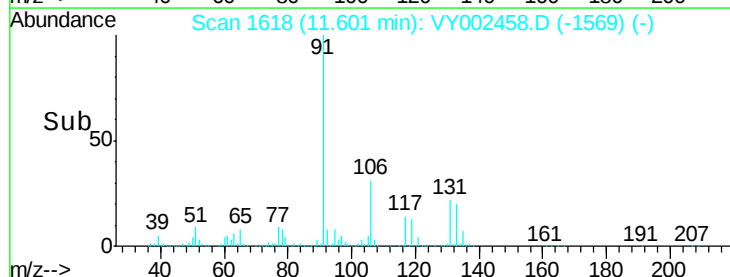
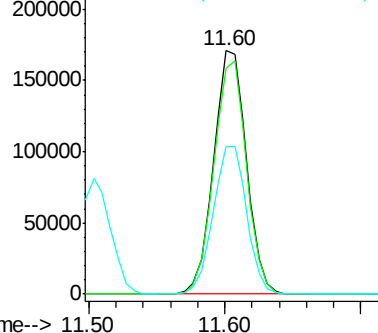
119 61.8 31.1 93.3

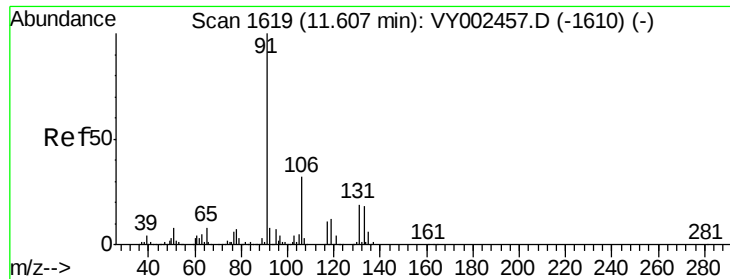


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





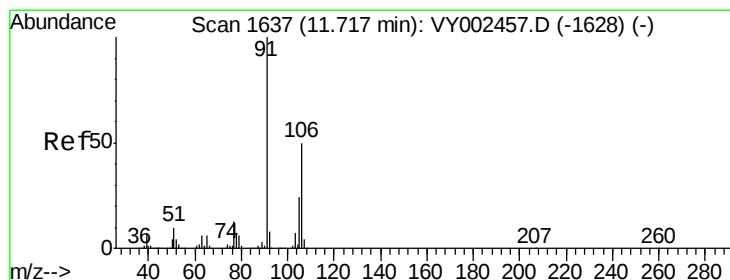
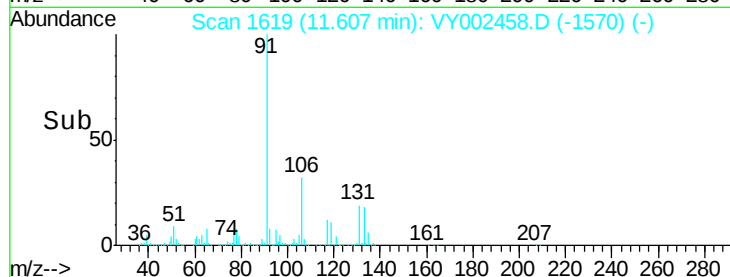
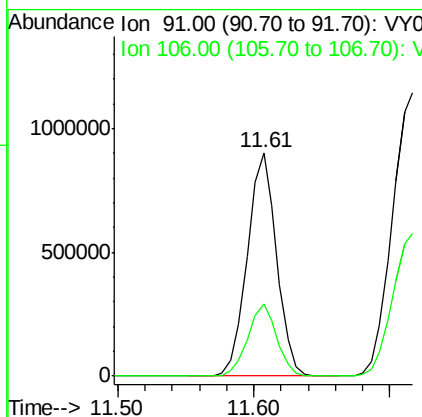
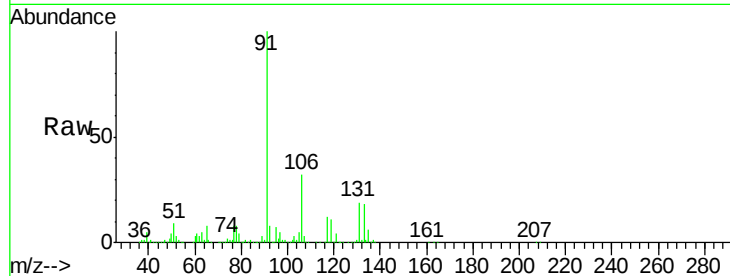
#67
Ethyl Benzene
Concen: 98.022 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1360984
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.6

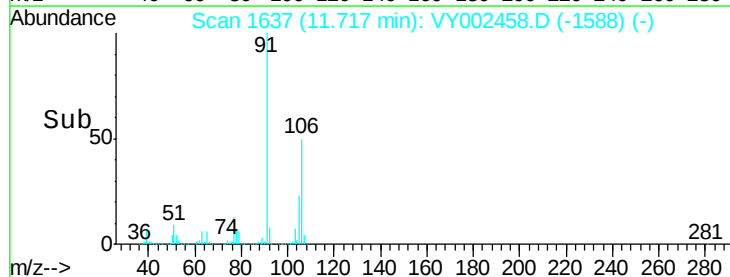
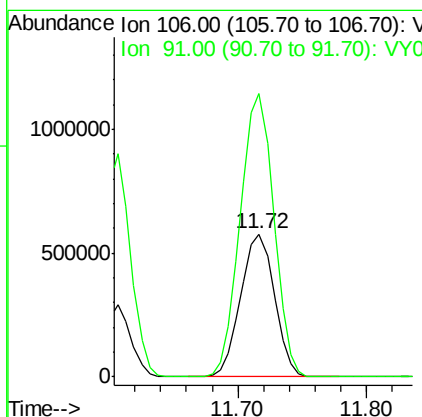
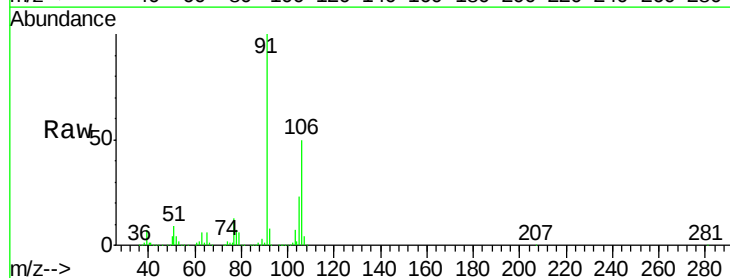
Manual Integrations
APPROVED

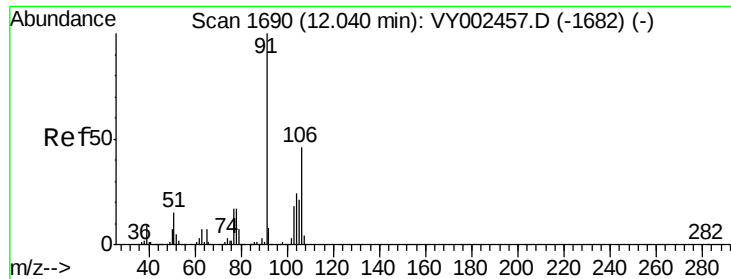
MMDadoda
4/24/2020 1:33:35 PM



#68
m/p-Xylenes
Concen: 195.532 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion: 106 Resp: 1045801
Ion Ratio Lower Upper
106 100
91 198.3 159.8 239.6





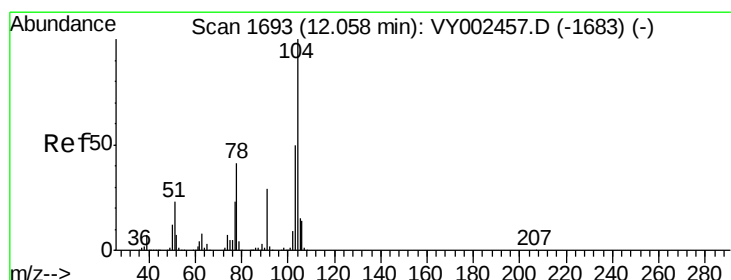
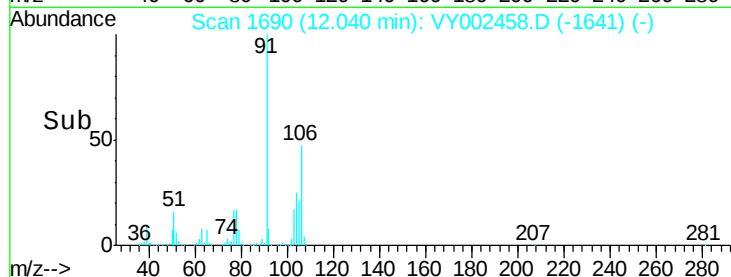
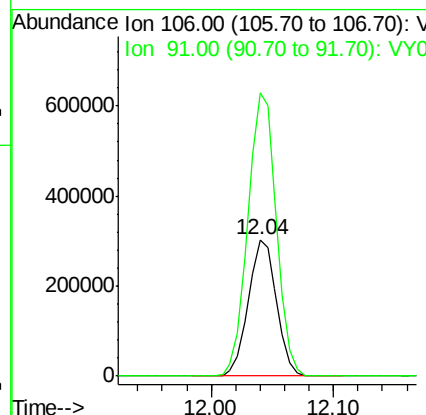
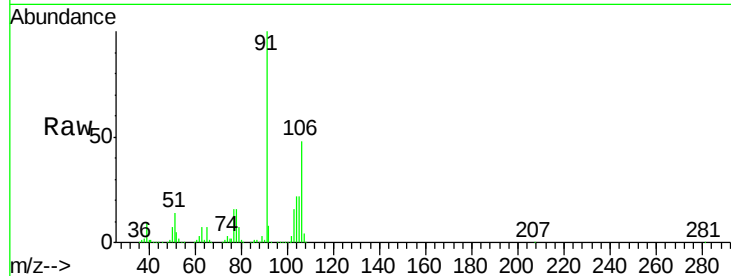
#69
o-Xylene
Concen: 96.456 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	209.5	104.5	313.3	

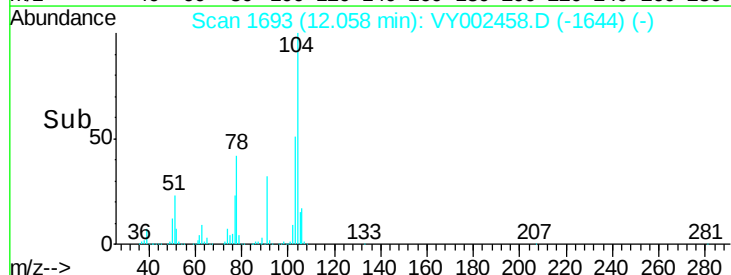
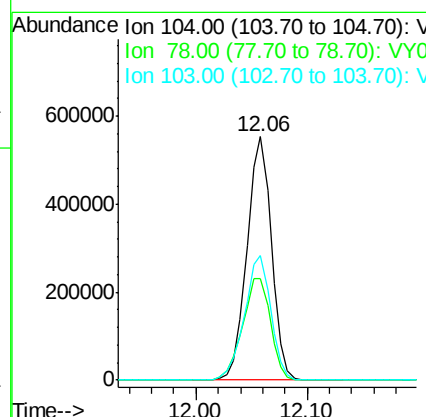
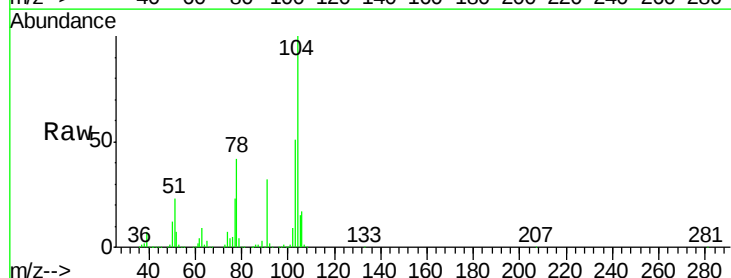
Manual Integrations
APPROVED

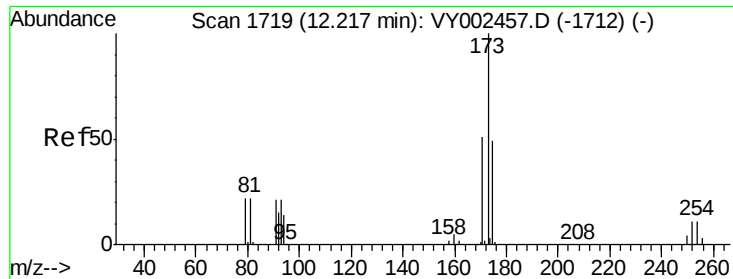
MMDadoda
4/24/2020 1:33:35 PM



#70
Styrene
Concen: 97.091 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.9	38.0	57.0	
103	55.0	44.4	66.6	





#71

Bromoform

Concen: 99.003 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

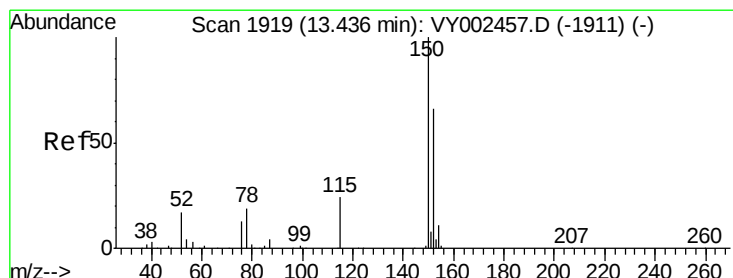
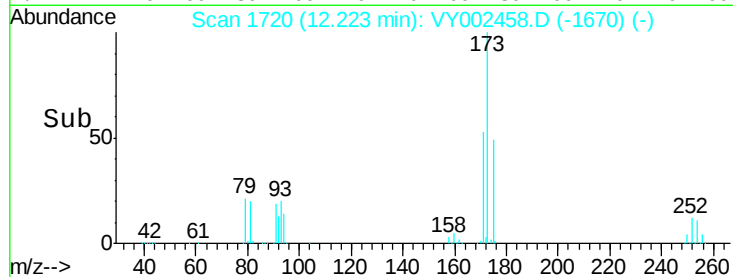
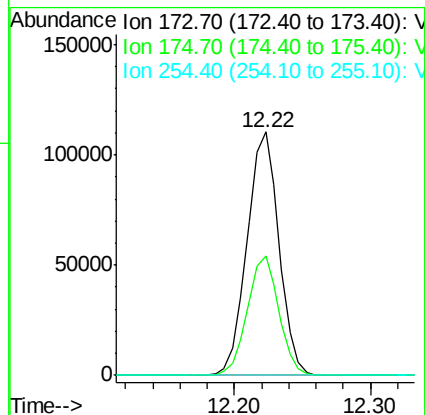
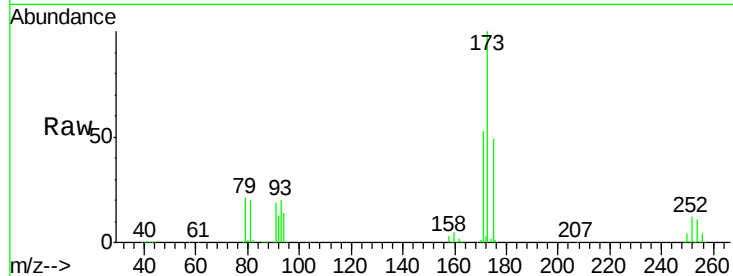
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

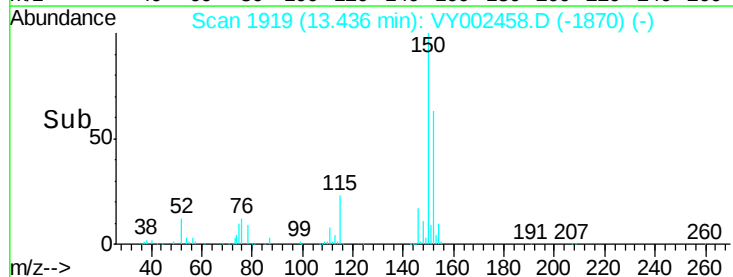
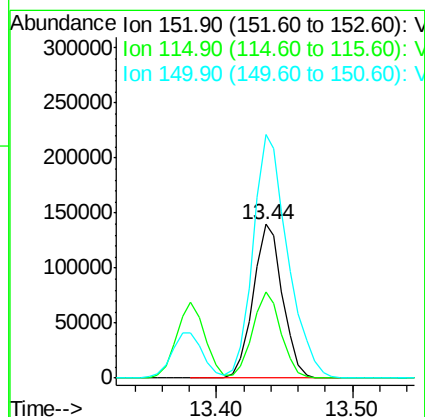
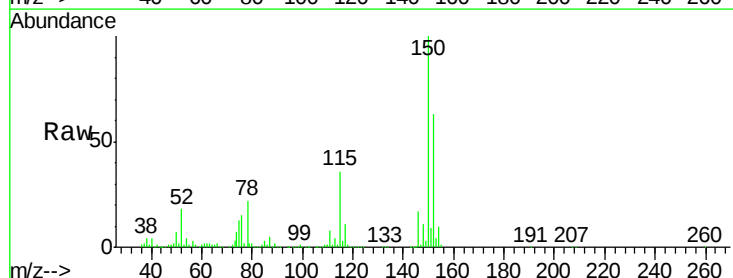
RT: 13.44 min Scan# 1919

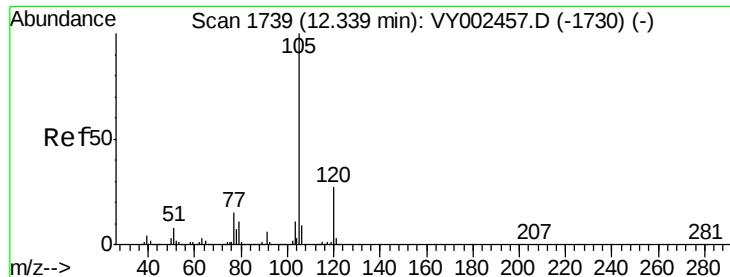
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.8
150	186.2	0.0	346.8





#73

Isopropylbenzene

Concen: 98.233 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1345422

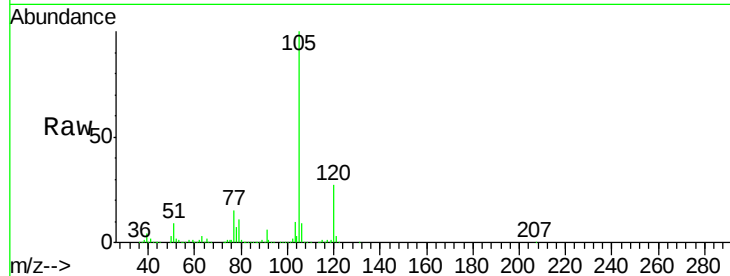
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

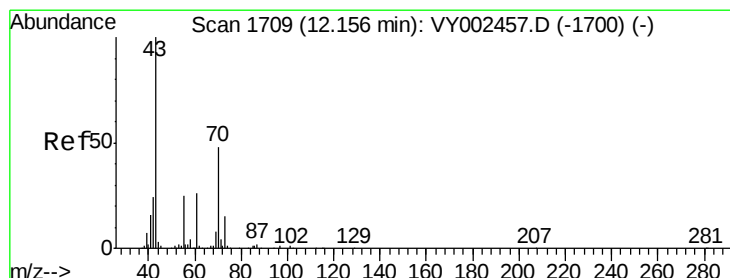
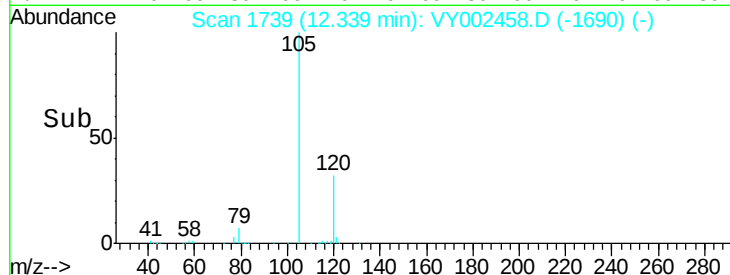
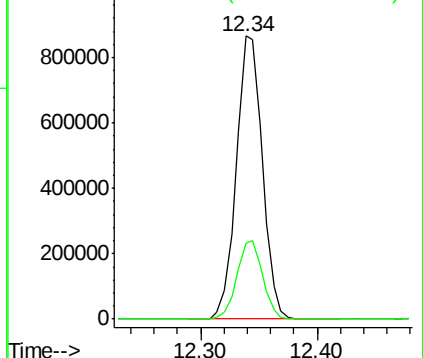
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 97.486 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion: 43 Resp: 311329

Ion Ratio Lower Upper

43 100

70 46.4 37.2 55.8

55 24.4 19.6 29.4

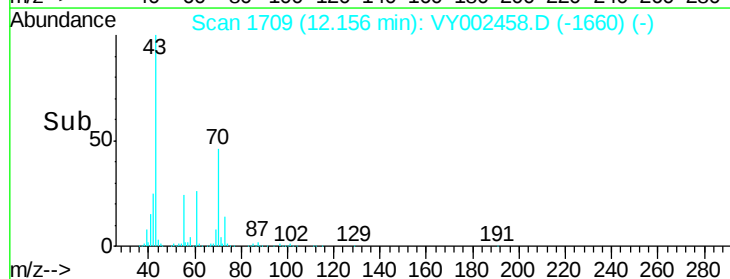
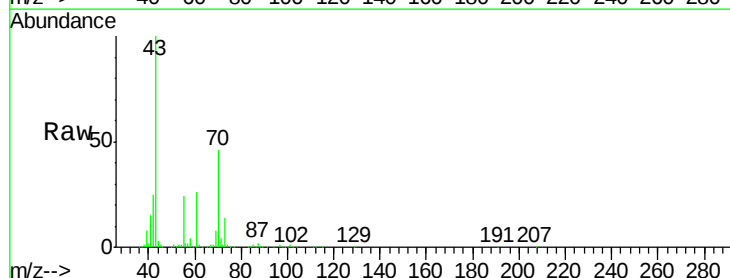
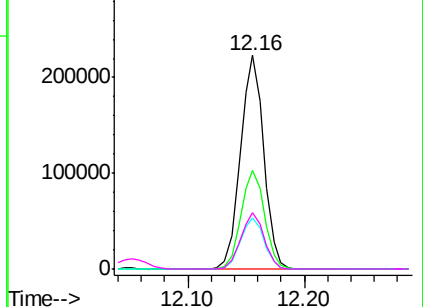
61 26.3 20.7 31.1

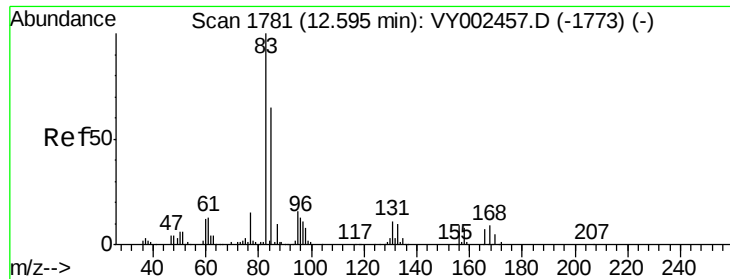
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 95.118 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 198523
Ion Ratio Lower Upper

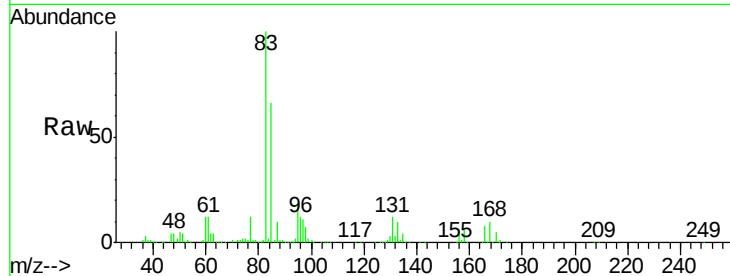
83 100

131 12.4 6.2 18.6

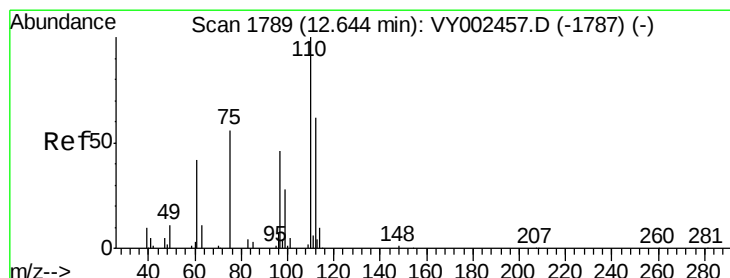
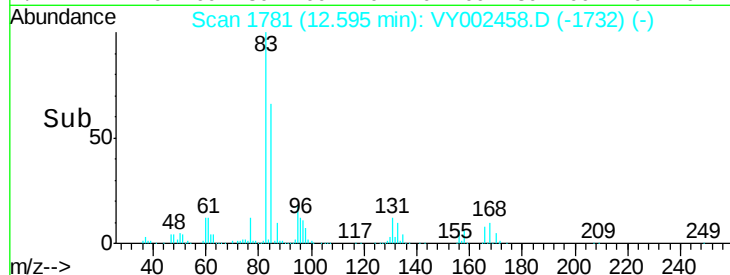
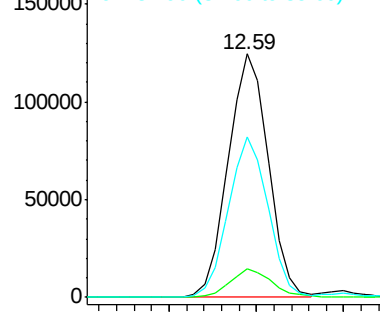
85 64.9 32.5 97.5

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



#76

1,2,3-Trichloropropane

Concen: 59.845 ug/l m

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

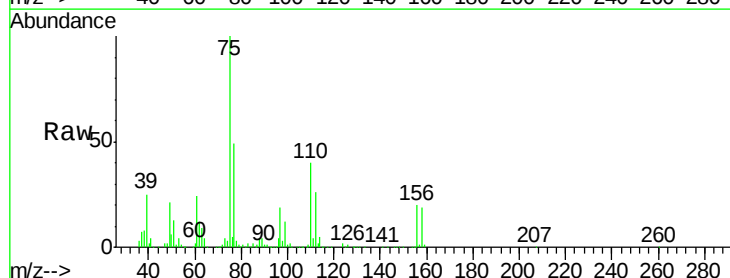
Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

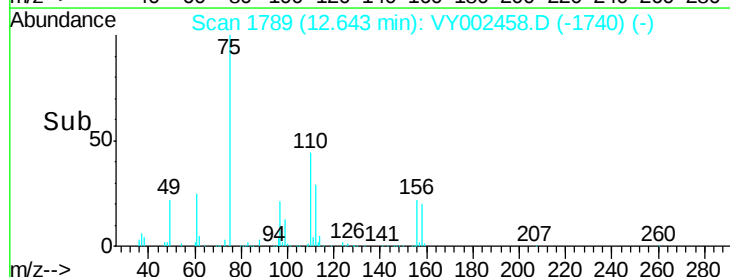
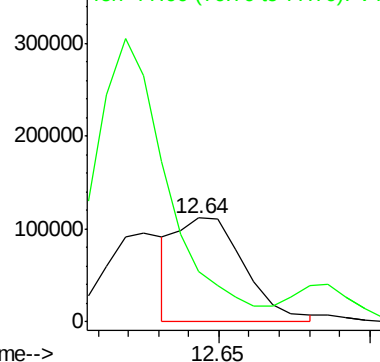
Tgt Ion: 75 Resp: 174600
Ion Ratio Lower Upper

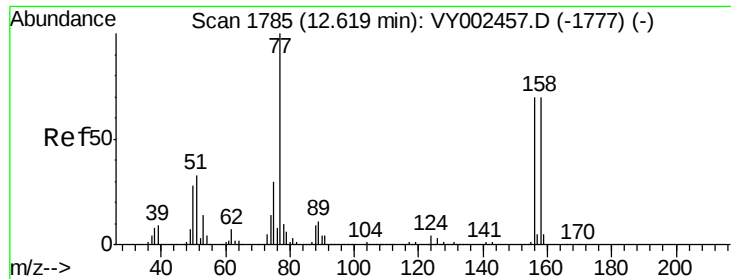
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 96.625 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

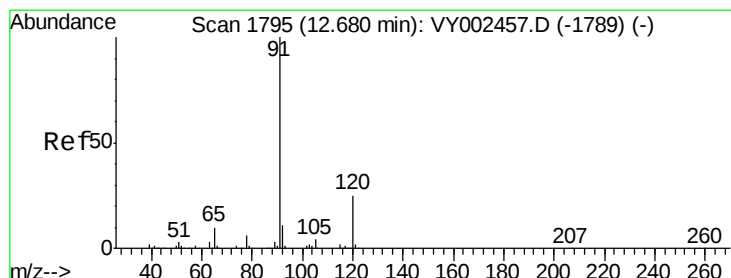
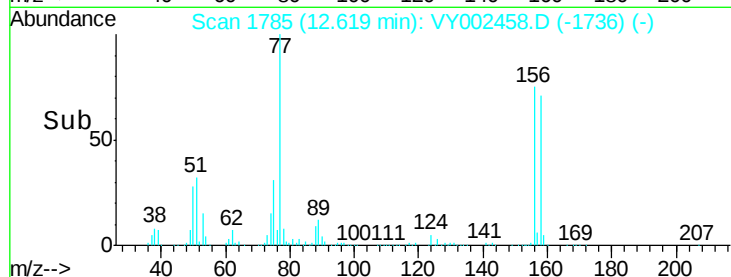
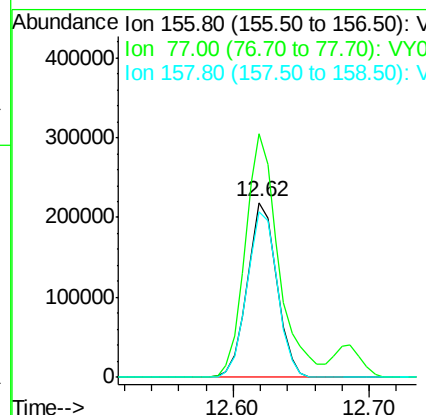
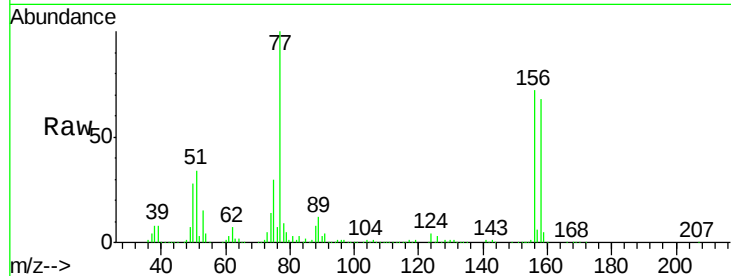
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	332112		
77	158.0	78.5	235.7	
158	97.4	48.4	145.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 97.352 ug/l

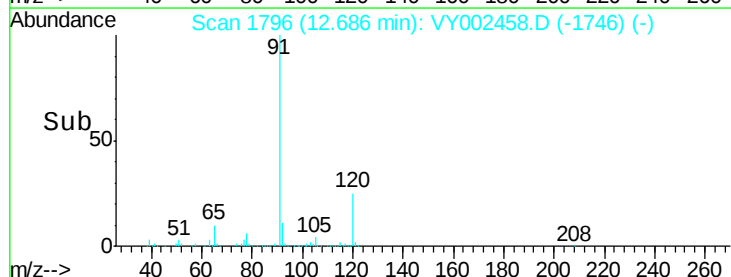
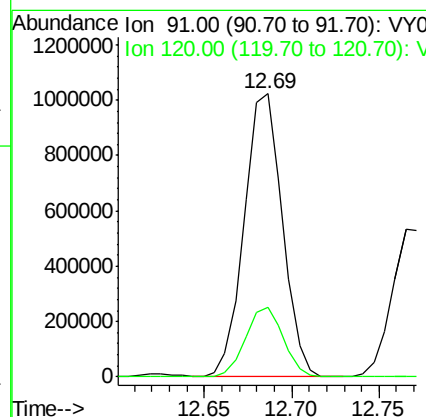
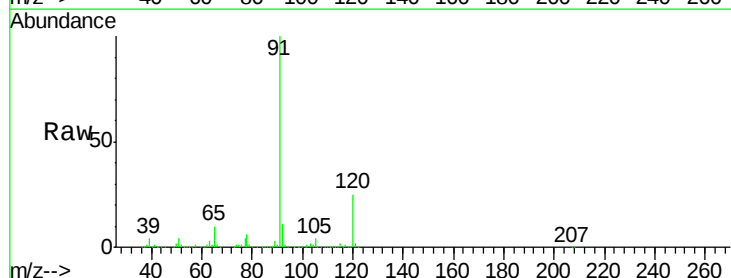
RT: 12.69 min Scan# 1796

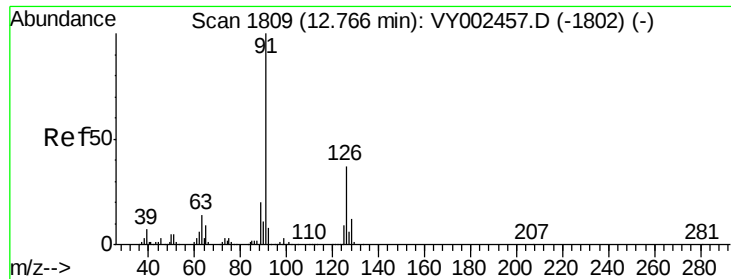
Delta R.T. 0.01 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1552307		
120	24.4	12.3	36.8	





#79

2-Chlorotoluene

Concen: 97.158 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 845304

Ion Ratio Lower Upper

91 100

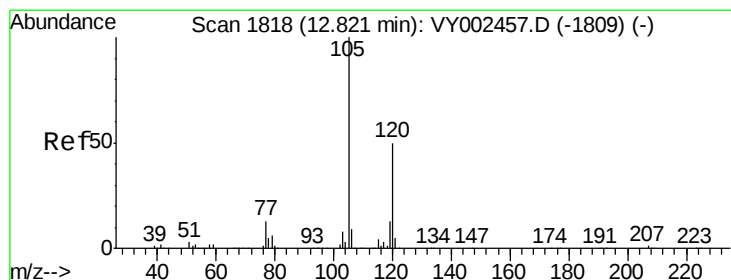
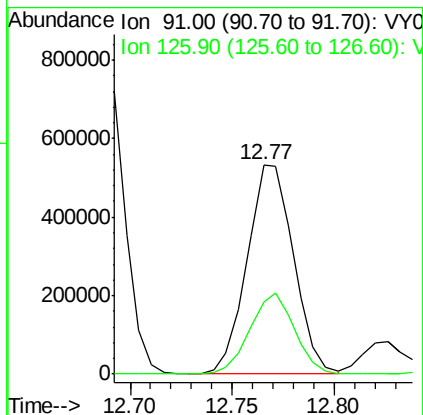
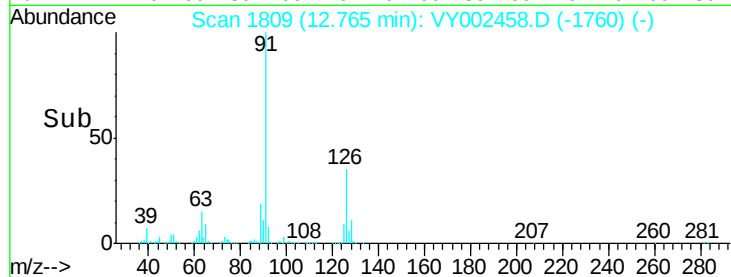
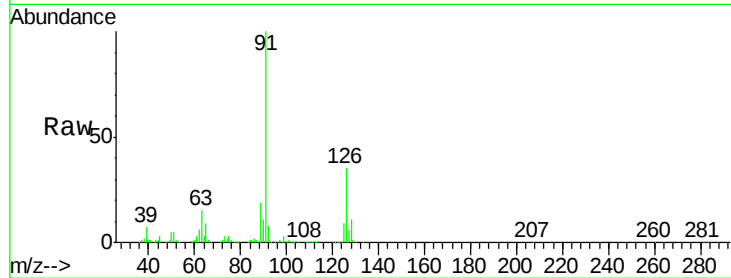
126 37.0 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 96.956 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002458.D

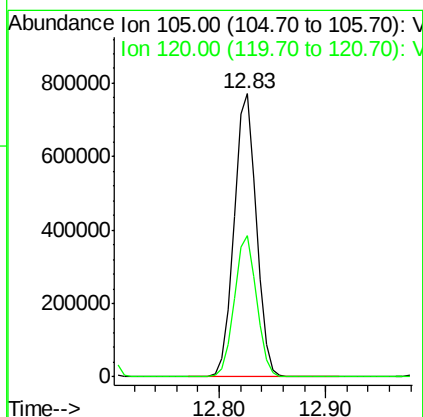
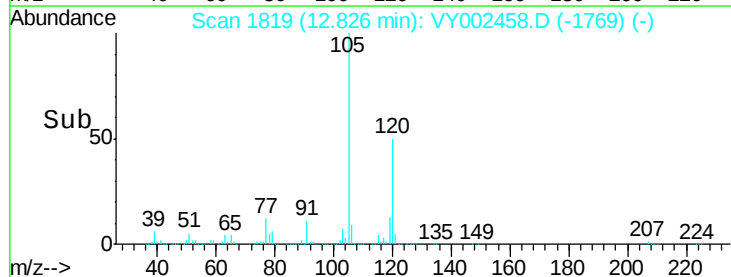
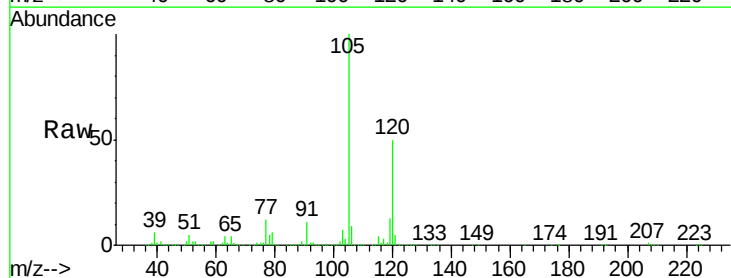
Acq: 23 Apr 2020 12:47

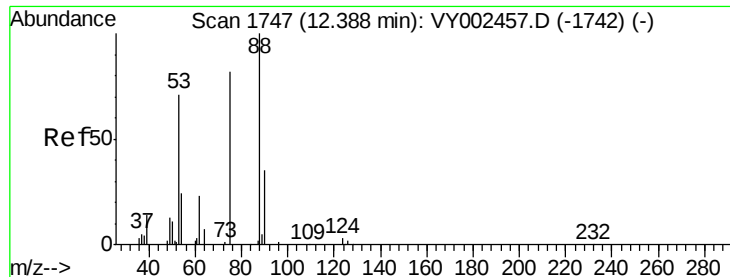
Tgt Ion: 105 Resp: 1130926

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





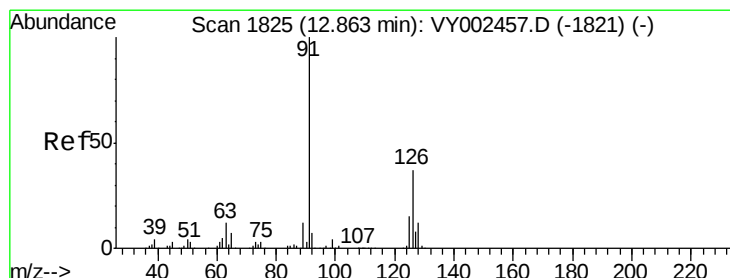
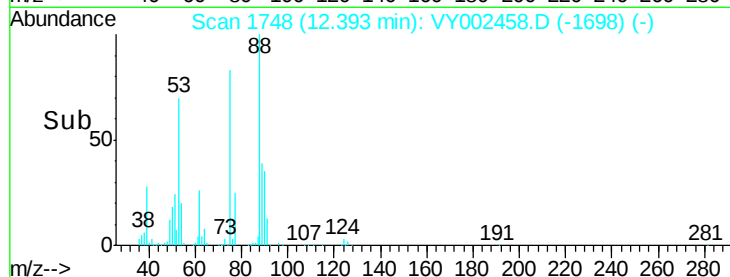
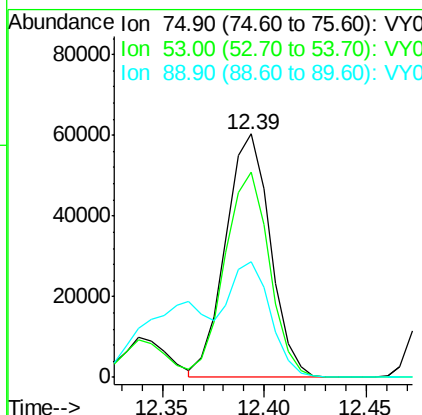
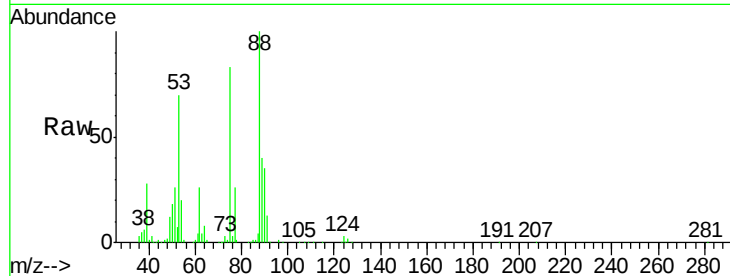
#81
trans-1,4-Dichloro-2-butene
Concen: 98.196 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	70.0	105.0
89	45.2	34.9	52.3

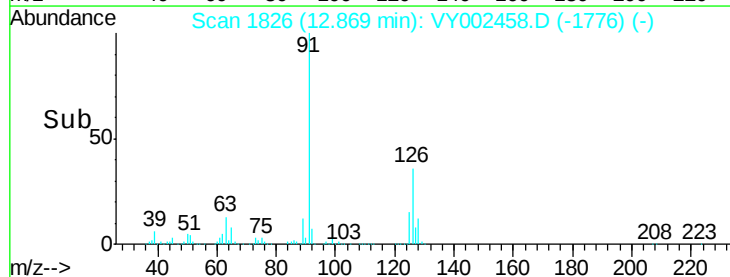
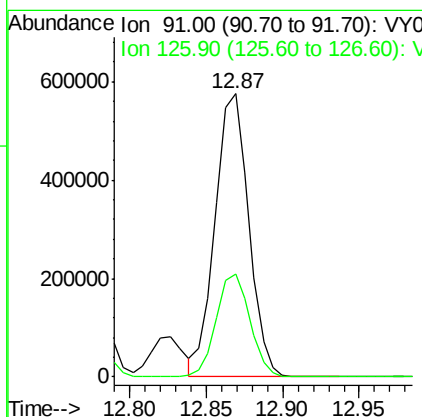
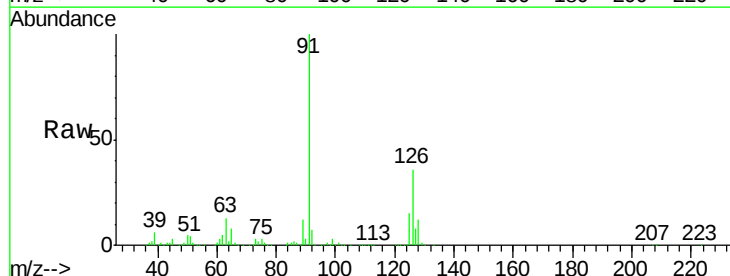
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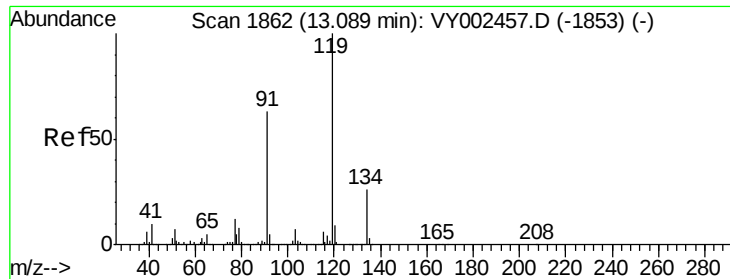
MMDadoda
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#82
4-Chlorotoluene
Concen: 95.832 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.5	55.5





#83

tert-Butylbenzene

Concen: 96.049 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

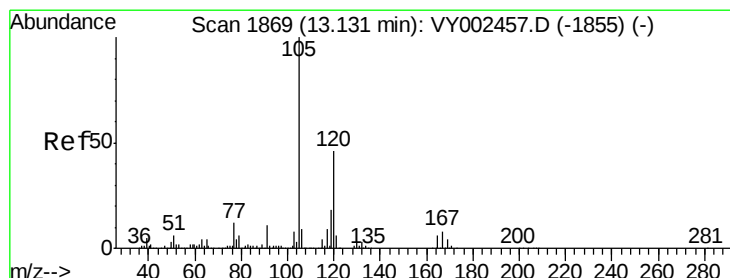
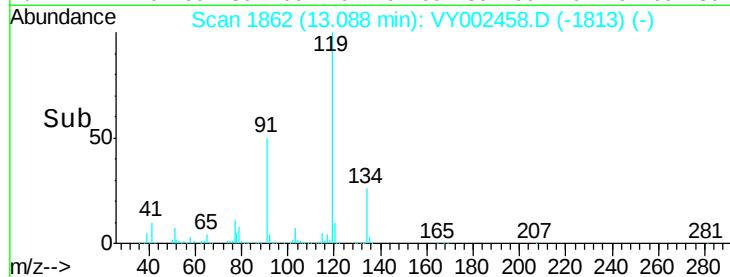
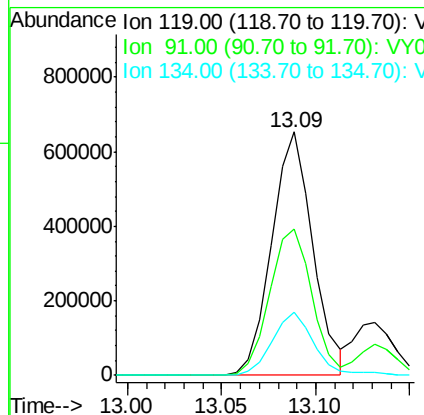
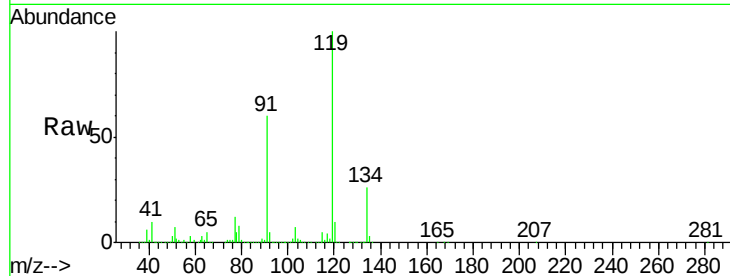
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	986299
Ion Ratio	Lower	Upper	
119	100		
91	61.7	30.8	92.3
134	26.5	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 97.681 ug/l

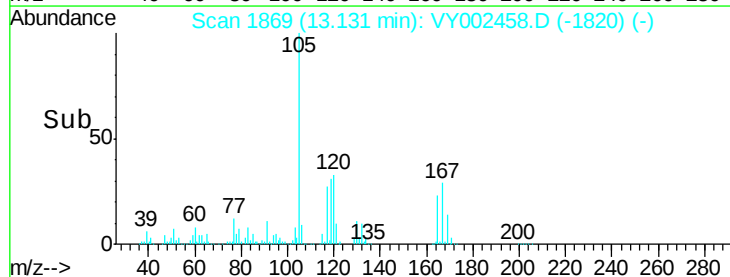
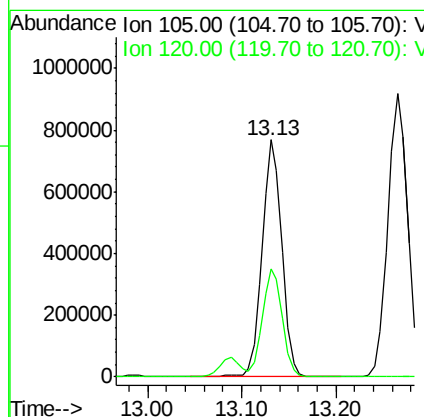
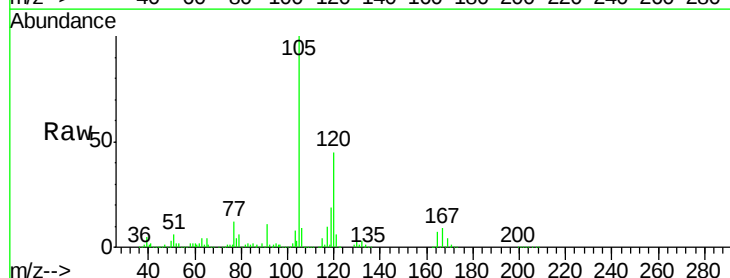
RT: 13.13 min Scan# 1869

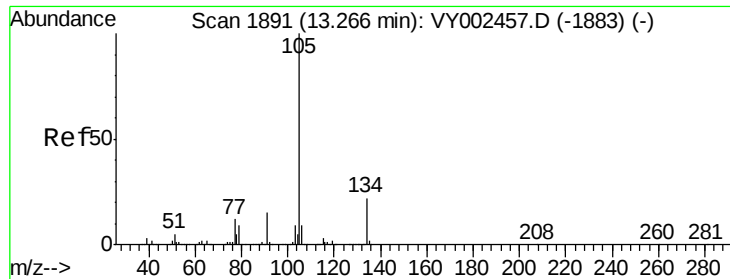
Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	105	Resp:	1135649
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.1	69.2





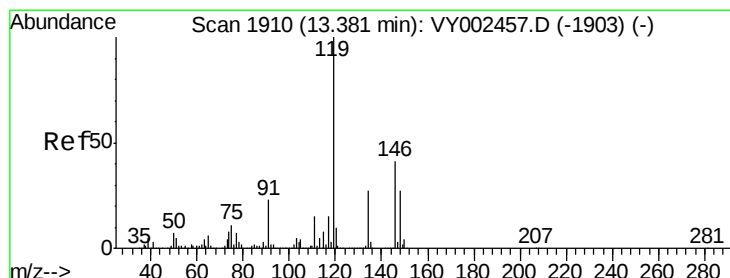
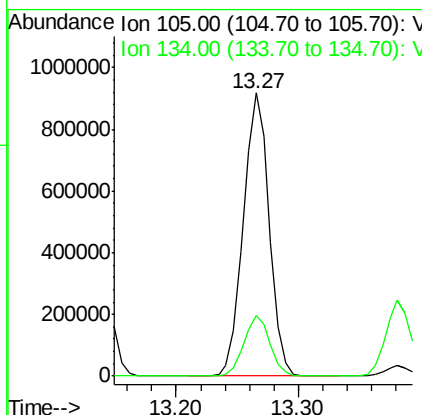
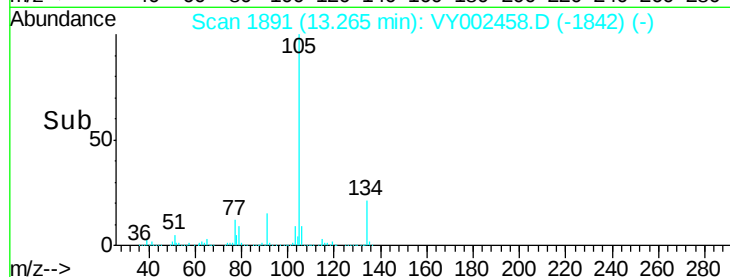
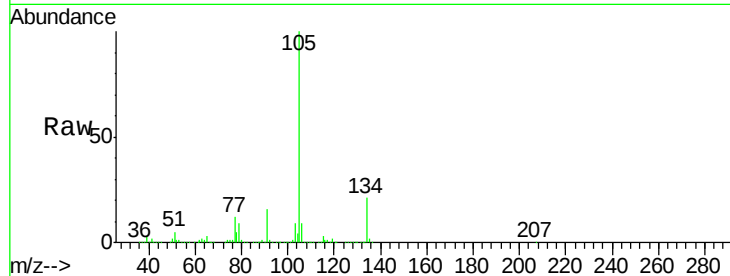
#85
 sec-Butylbenzene
 Concen: 95.725 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1342171
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.3

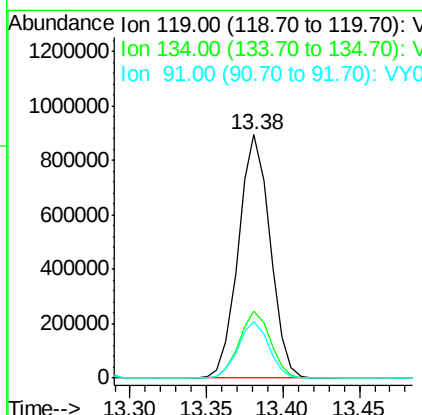
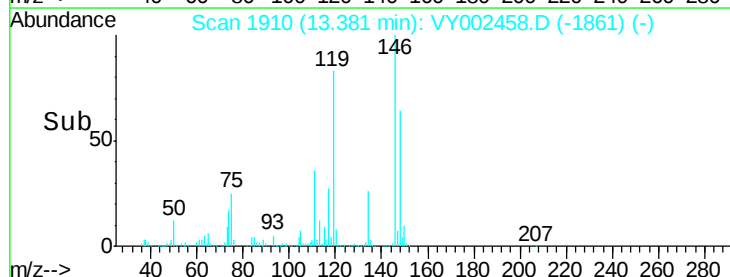
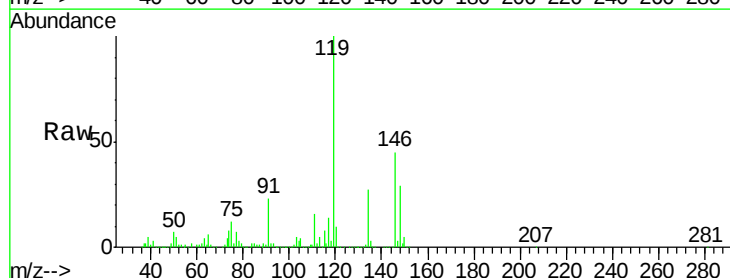
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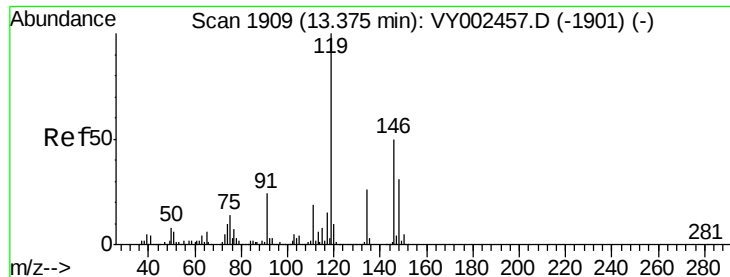
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#86
 p-Isopropyltoluene
 Concen: 96.660 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion:119 Resp: 1282770
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 22.8 11.5 34.4





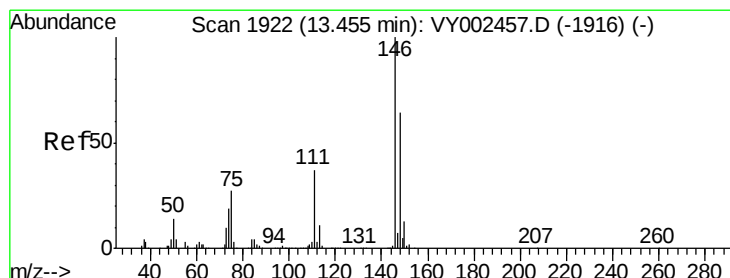
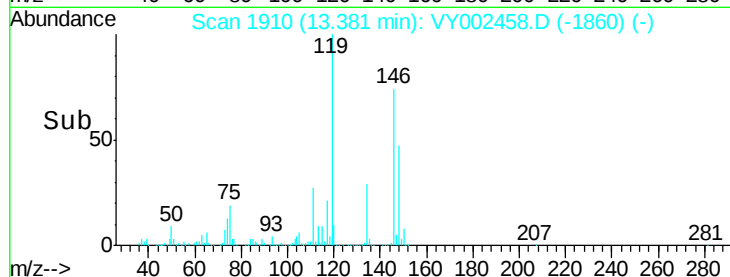
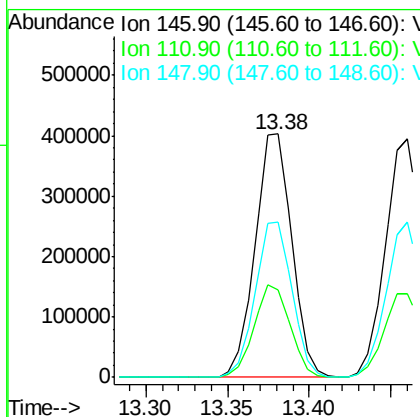
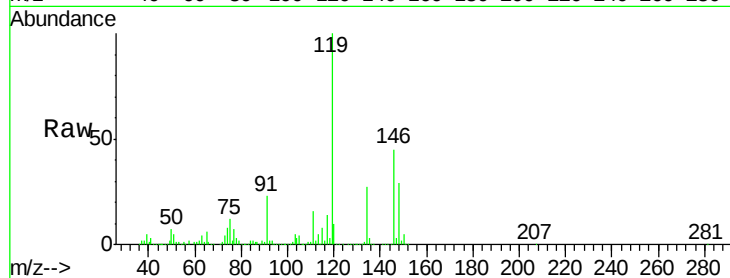
#87
1,3-Dichlorobenzene
Concen: 96.175 ug/l
RT: 13.38 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	63.9	32.0	96.0

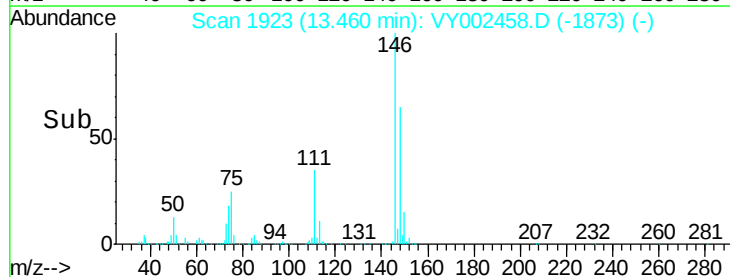
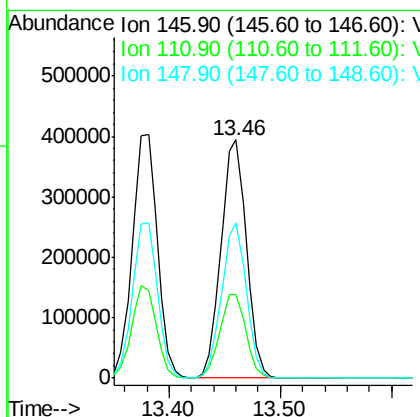
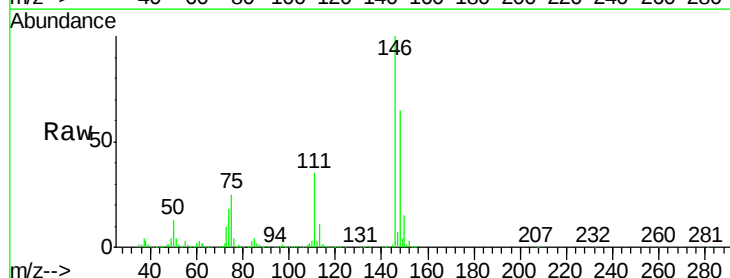
Manual Integrations
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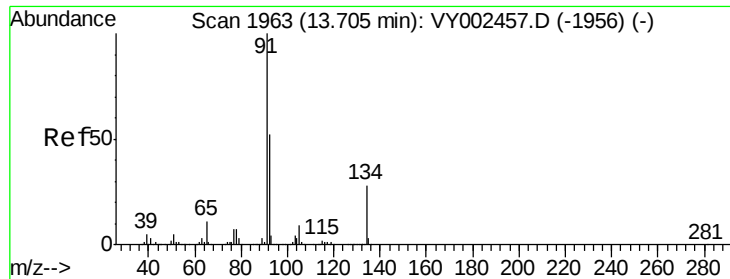
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#88
1,4-Dichlorobenzene
Concen: 95.542 ug/l
RT: 13.46 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.8	32.1	96.5





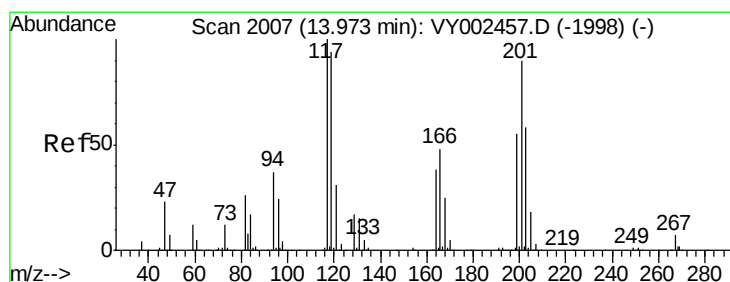
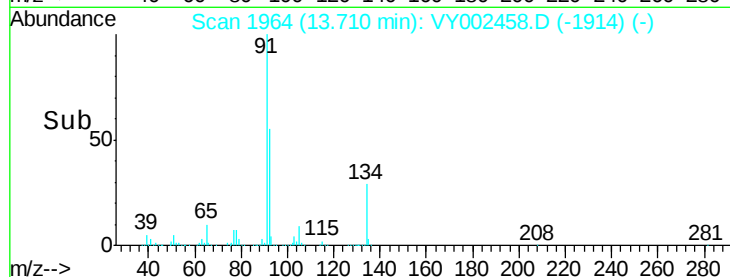
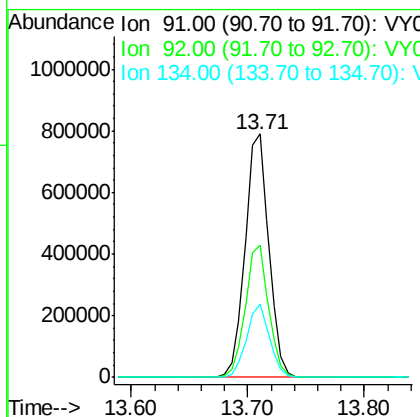
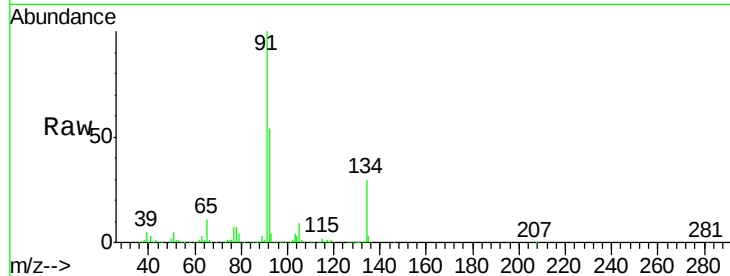
#89
n-Butylbenzene
Concen: 92.349 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1121098
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 29.1 14.3 42.9

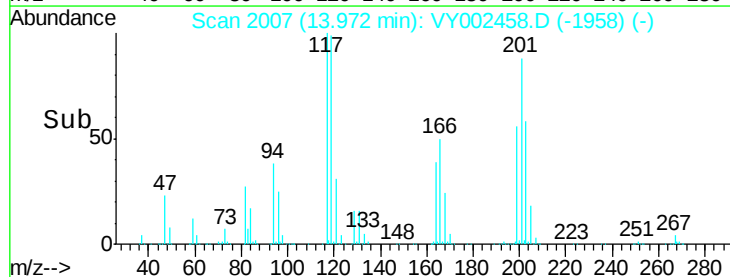
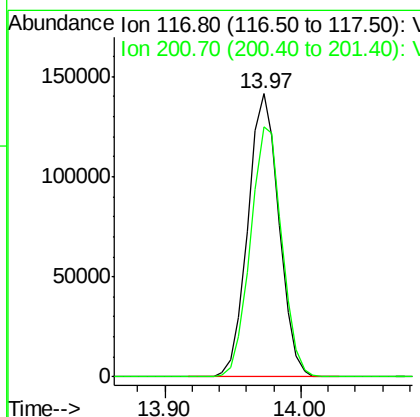
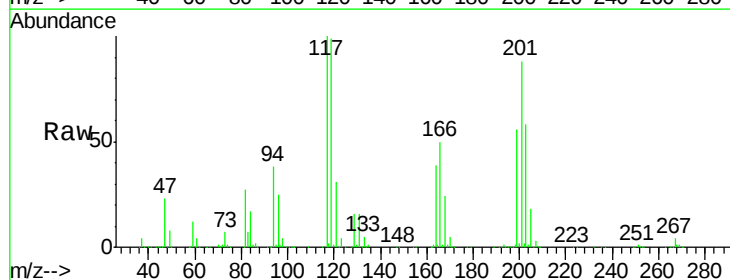
Manual Integrations
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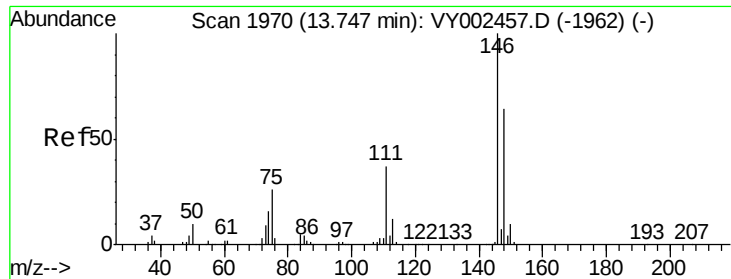
MMDadoda
4/24/2020 1:33:35 PM



#90
Hexachloroethane
Concen: 95.559 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002458.D
Acq: 23 Apr 2020 12:47

Tgt Ion: 117 Resp: 226618
Ion Ratio Lower Upper
117 100
201 89.4 44.4 133.1





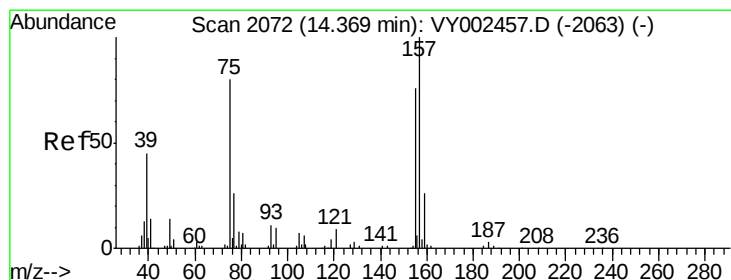
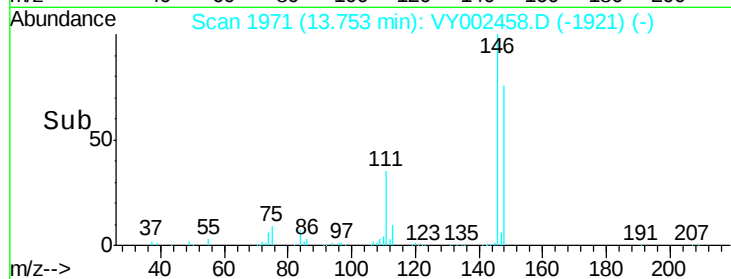
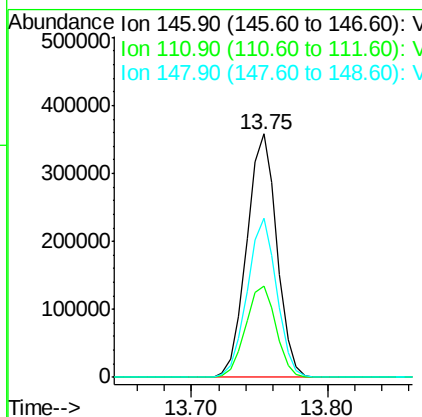
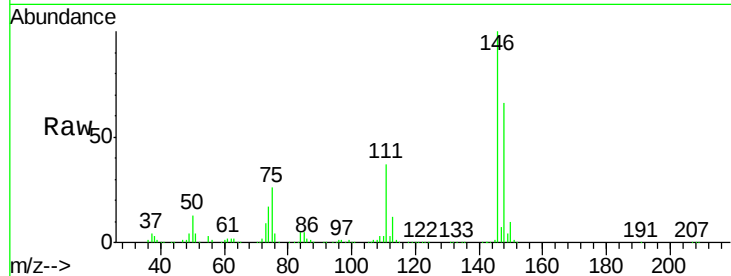
#91
 1,2-Dichlorobenzene
 Concen: 94.461 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.4	31.6	94.7

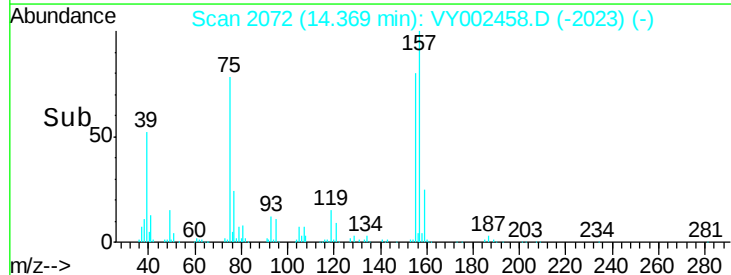
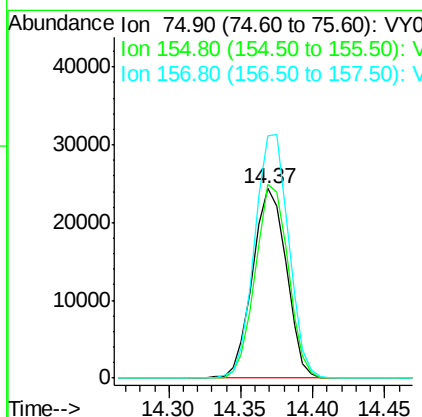
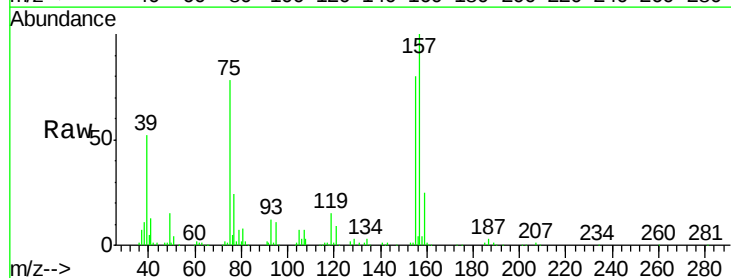
Manual Integrations
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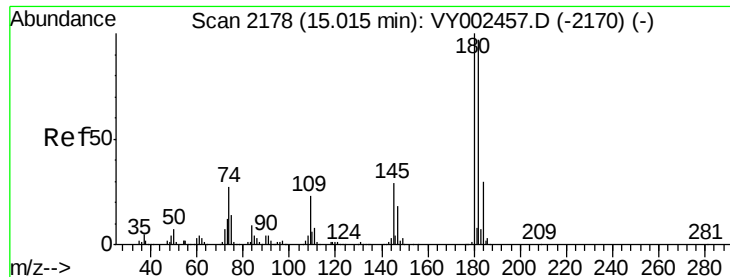
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.581 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	49.6	149.0
157	128.8	62.6	187.9





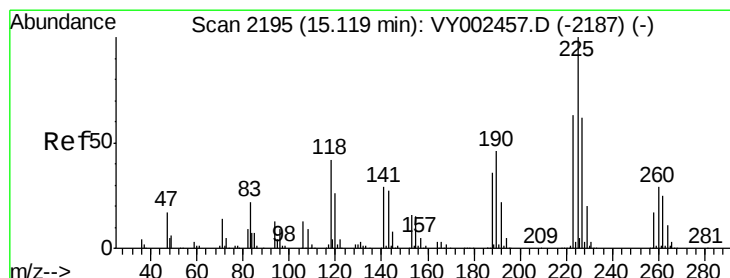
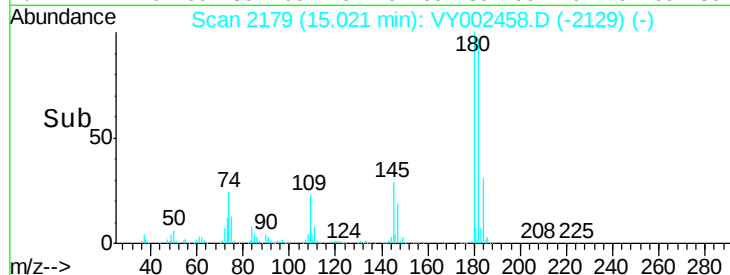
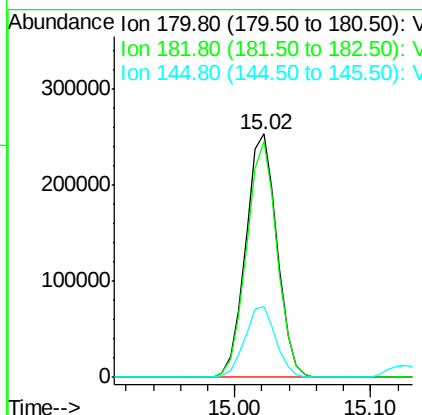
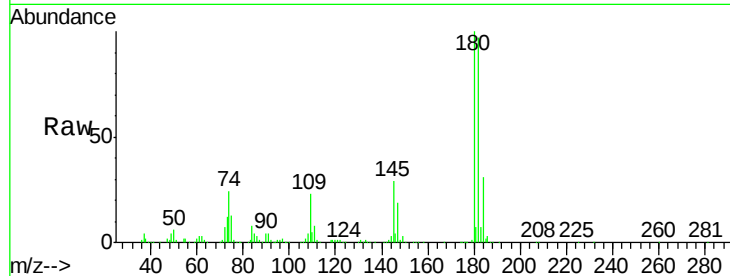
#93
 1,2,4-Trichlorobenzene
 Concen: 93.214 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	405397		
182	94.7	47.9	143.7	
145	29.0	14.2	42.6	

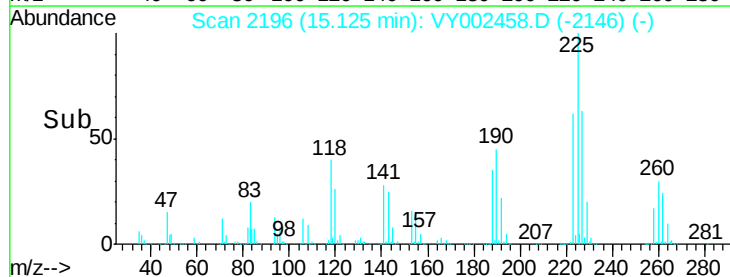
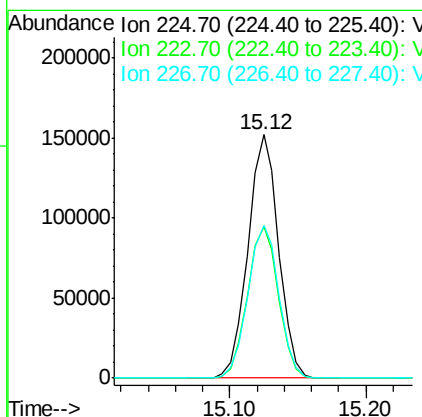
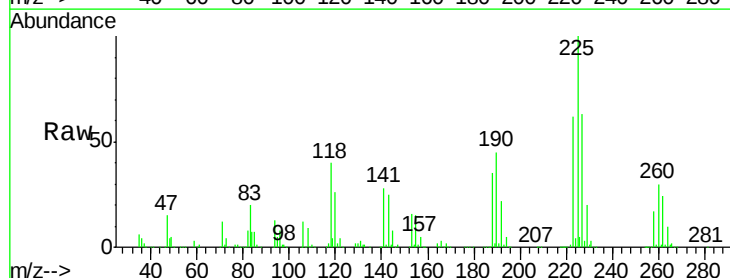
Manual Integrations
 APPROVED

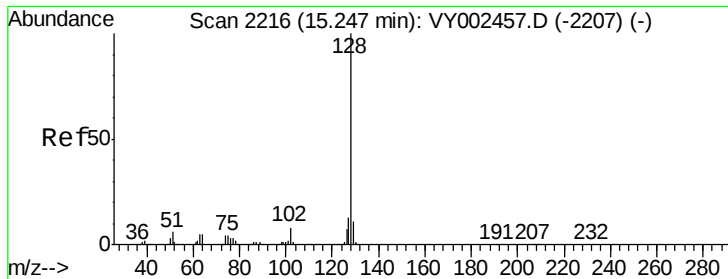
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 90.676 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002458.D
 Acq: 23 Apr 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	239744		
223	62.9	31.1	93.3	
227	63.8	31.5	94.5	





#95

Naphthalene

Concen: 98.366 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Instrument :

MSVOA_Y

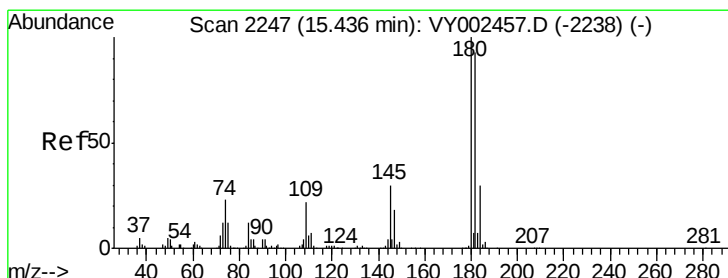
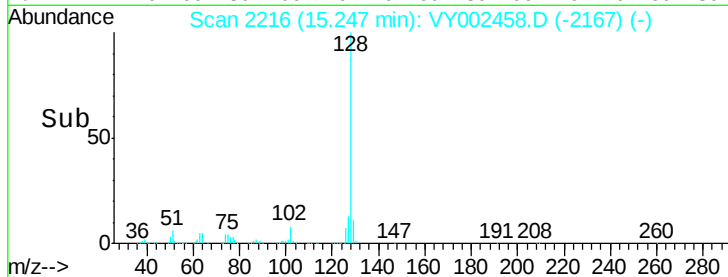
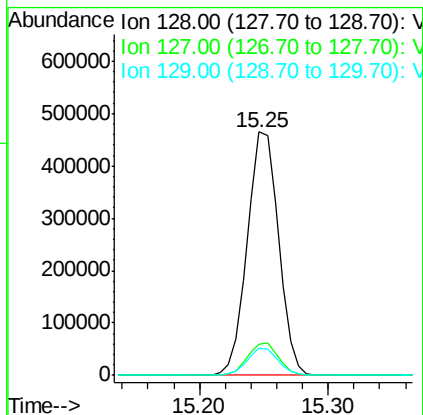
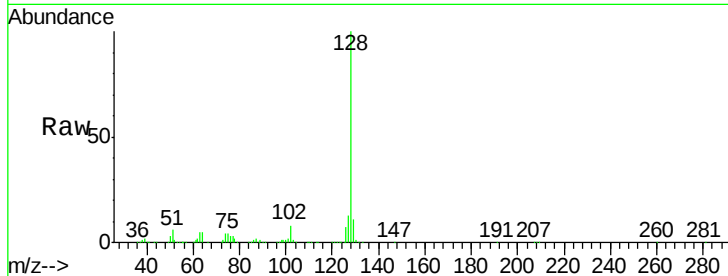
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	777507
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 94.935 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY002458.D

Acq: 23 Apr 2020 12:47

Tgt Ion:	180	Resp:	347831
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	30.4	15.3	45.9

