

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002455.D
 Acq On : 23 Apr 2020 11:43
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Apr 23 13:03:39 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	315876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	471546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	424344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	224884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	28705	10.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.74%	
35) Dibromofluoromethane	7.75	113	27356	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
50) Toluene-d8	10.19	98	111752	10.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.78%	
62) 4-Bromofluorobenzene	12.49	95	37467	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	22130	9.473	ug/l	98
3) Chloromethane	2.13	50	27891	9.345	ug/l	99
4) Vinyl Chloride	2.27	62	18577	8.911	ug/l	95
5) Bromomethane	2.67	94	11417	10.142	ug/l	94
6) Chloroethane	2.81	64	10622	9.702	ug/l	95
7) Trichlorofluoromethane	3.15	101	41596	11.000	ug/l	98
8) Diethyl Ether	3.55	74	16318	10.550	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.94	101	26822	10.267	ug/l	98
10) Methyl Iodide	4.12	142	39752	9.820	ug/l	98
11) Tert butyl alcohol	4.99	59	12770	49.638	ug/l	95
12) 1,1-Dichloroethene	3.90	96	27633	10.338	ug/l	99
13) Acrolein	3.76	56	10832	54.695	ug/l	97
14) Allyl chloride	4.52	41	39306	9.883	ug/l	96
15) Acrylonitrile	5.21	53	36817	49.299	ug/l	99
16) Acetone	3.98	43	29654	53.380	ug/l	95
17) Carbon Disulfide	4.22	76	82082	9.748	ug/l	99
18) Methyl Acetate	4.52	43	18069	9.775	ug/l	100
19) Methyl tert-butyl Ether	5.27	73	71497	9.889	ug/l	92
20) Methylene Chloride	4.75	84	35934	10.587	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	30880	10.092	ug/l #	86
22) Diisopropyl ether	6.16	45	81134	10.267	ug/l	94
23) Vinyl Acetate	6.10	43	252042	50.851	ug/l	97
24) 1,1-Dichloroethane	6.06	63	48145	10.049	ug/l	98
25) 2-Butanone	7.02	43	44844	51.658	ug/l	99
26) 2,2-Dichloropropane	7.02	77	46235	10.144	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	33439	10.053	ug/l	99
28) Bromochloromethane	7.36	49	19057	10.119	ug/l	99
29) Tetrahydrofuran	7.38	42	29112	50.357	ug/l	99
30) Chloroform	7.53	83	50661	9.952	ug/l	96
31) Cyclohexane	7.82	56	48469	9.988	ug/l #	91
32) 1,1,1-Trichloroethane	7.73	97	45837	9.591	ug/l	97
36) 1,1-Dichloropropene	7.94	75	40237	9.942	ug/l	99
37) Ethyl Acetate	7.10	43	18696	9.367	ug/l	99
38) Carbon Tetrachloride	7.93	117	44592	9.639	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	49640	9.440	ug/l	98
40) Benzene	8.19	78	115107	9.856	ug/l	98
41) Methacrylonitrile	7.35	41	11947m	4.972	ug/l	
42) 1,2-Dichloroethane	8.27	62	32719	9.679	ug/l	98
43) Isopropyl Acetate	8.30	43	37837	10.160	ug/l	98
44) Trichloroethene	8.96	130	35940	9.818	ug/l	92
45) 1,2-Dichloropropane	9.24	63	26582	9.864	ug/l	96
46) Dibromomethane	9.33	93	15510	9.918	ug/l	98
47) Bromodichloromethane	9.52	83	39677	10.122	ug/l	94
48) Methyl methacrylate	9.31	41	17083	10.068	ug/l	97
49) 1,4-Dioxane	9.32	88	3624	184.200	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	96156	49.822	ug/l	99
52) Toluene	10.26	92	73939	9.874	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	40012	9.814	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	46579	9.903	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	23529	10.159	ug/l	96
56) Ethyl methacrylate	10.52	69	30819	9.842	ug/l	98
57) 1,3-Dichloropropane	10.80	76	39485	10.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	75600	49.427	ug/l	99
59) 2-Hexanone	10.85	43	66589	49.868	ug/l	100
60) Dibromochloromethane	11.00	129	29432	9.752	ug/l	99
61) 1,2-Dibromoethane	11.10	107	22718	9.914	ug/l	99
64) Tetrachloroethene	10.74	164	38344	9.826	ug/l	99
65) Chlorobenzene	11.53	112	81361	9.951	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	30618	10.038	ug/l	99
67) Ethyl Benzene	11.60	91	144688	9.975	ug/l	100
68) m/p-Xylenes	11.71	106	110590	19.791	ug/l	99
69) o-Xylene	12.04	106	51991	9.934	ug/l	100
70) Styrene	12.05	104	88946	9.795	ug/l	99
71) Bromoform	12.22	173	18862	9.877	ug/l #	99
73) Isopropylbenzene	12.34	105	144617	9.921	ug/l	100
74) N-amyl acetate	12.15	43	34210	10.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	22663	10.203	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	17501m	5.636	ug/l	
77) Bromobenzene	12.62	156	36448	9.964	ug/l	98
78) n-propylbenzene	12.68	91	167690	9.882	ug/l	100
79) 2-Chlorotoluene	12.77	91	91574	9.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	122295	9.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	9975	10.093	ug/l	97
82) 4-Chlorotoluene	12.86	91	96917	9.920	ug/l	100
83) tert-Butylbenzene	13.08	119	107163	9.806	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	122223	9.878	ug/l	100
85) sec-Butylbenzene	13.26	105	146833	9.840	ug/l	99
86) p-Isopropyltoluene	13.38	119	136987	9.699	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	69556	9.959	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	68569	9.914	ug/l	97
89) n-Butylbenzene	13.70	91	126580	9.797	ug/l	99
90) Hexachloroethane	13.97	117	24565	9.733	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	62709	10.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4143	9.407	ug/l	97

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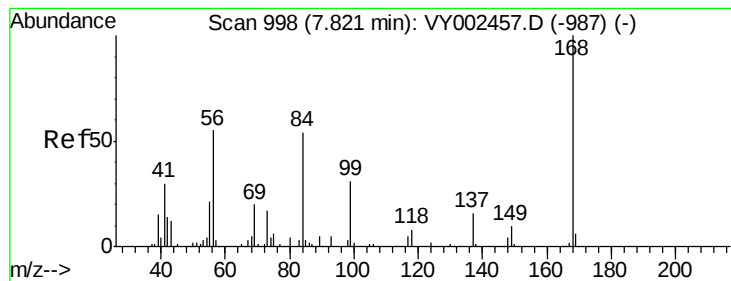
Manual Integrations
APPROVED

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4/24/2020 1:33:24 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	45753	9.885	ug/l	99
94) Hexachlorobutadiene	15.13	225	28118	9.993	ug/l	98
95) Naphthalene	15.25	128	83753	9.956	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	38995	10.000	ug/l	99

(#) = 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: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 315876

Ion Ratio Lower Upper

168 100

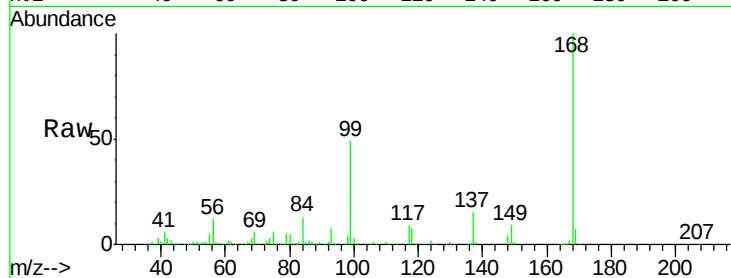
99 48.9 39.7 59.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

150000

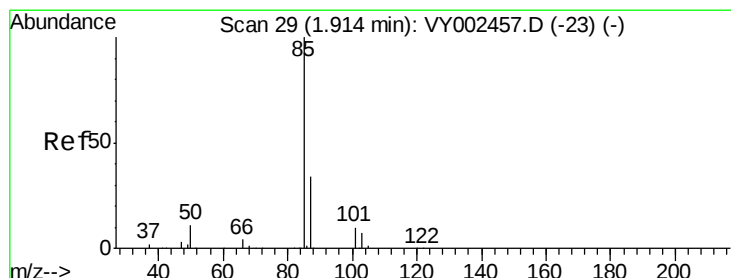
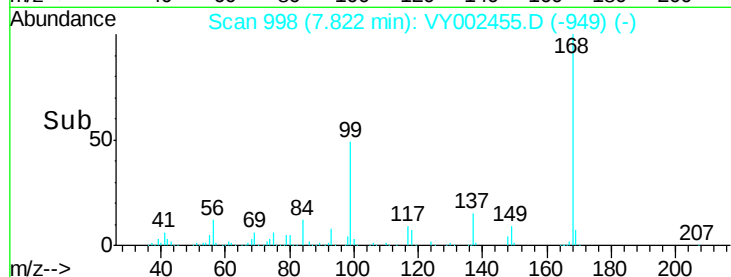
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 9.473 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002455.D

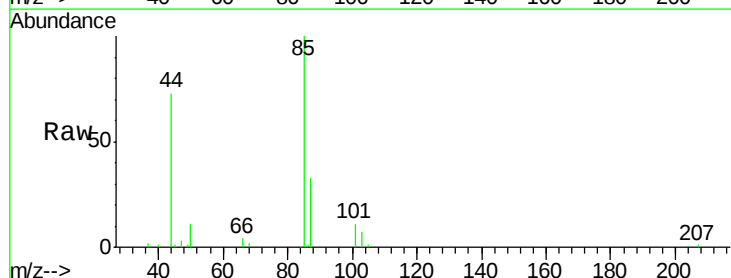
Acq: 23 Apr 2020 11:43

Tgt Ion: 85 Resp: 22130

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.92

15000

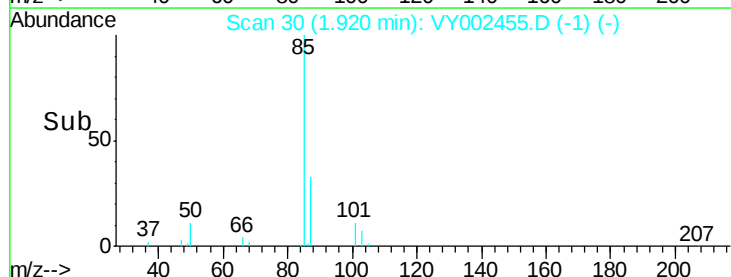
10000

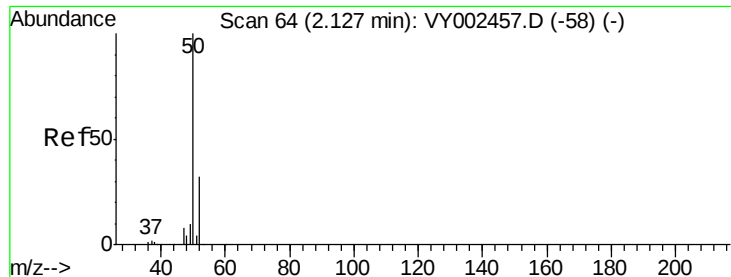
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 9.345 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 27891

Ion Ratio Lower Upper

50 100

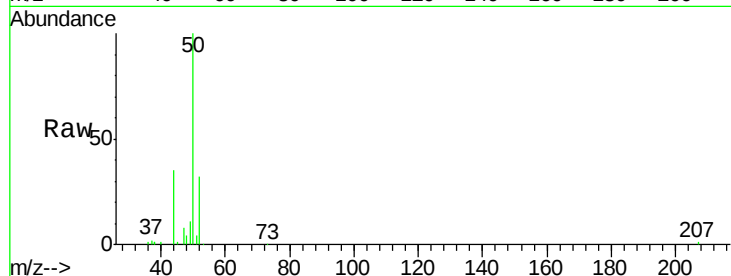
52 31.9 25.2 37.8

Manual Integrations

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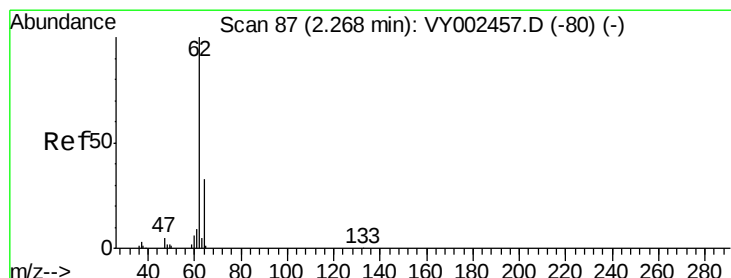
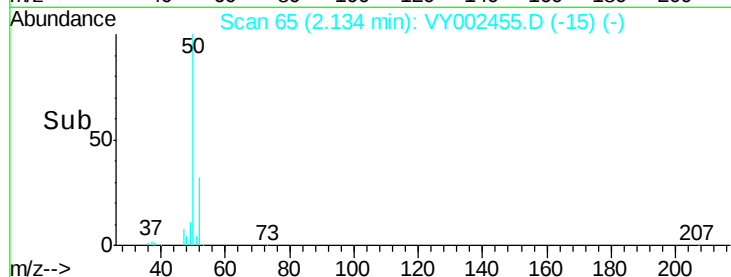
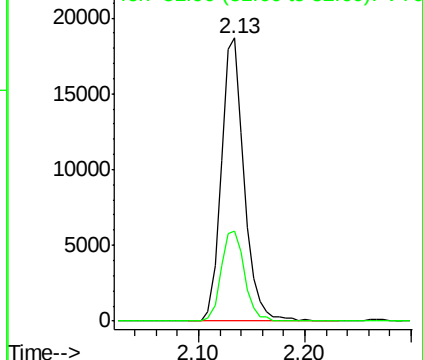
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 8.911 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002455.D

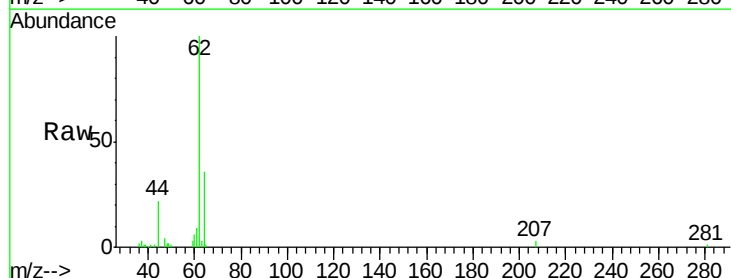
Acq: 23 Apr 2020 11:43

Tgt Ion: 62 Resp: 18577

Ion Ratio Lower Upper

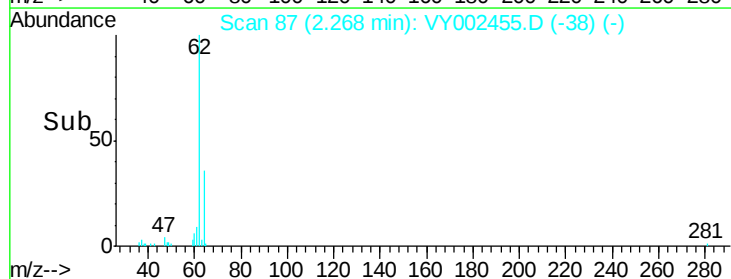
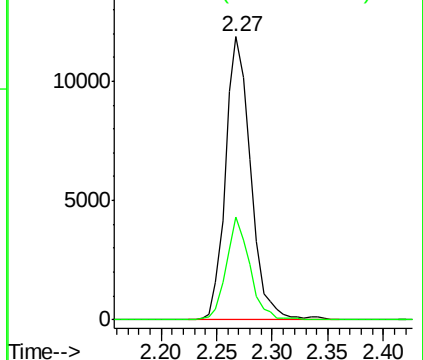
62 100

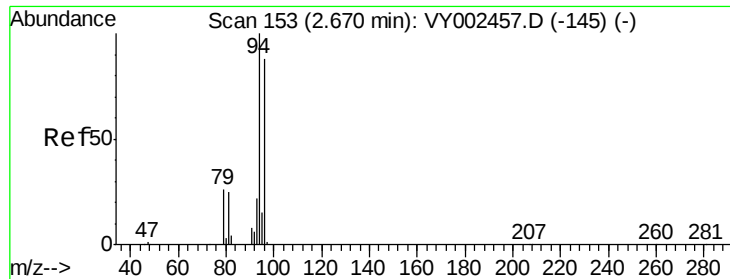
64 36.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 10.142 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 11417

Ion Ratio Lower Upper

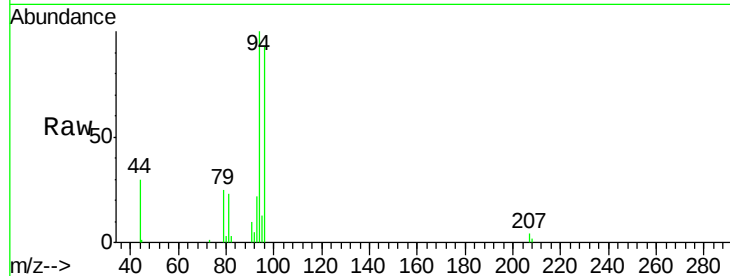
94 100

96 93.1 70.2 105.4

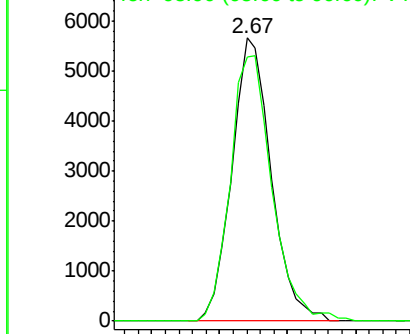
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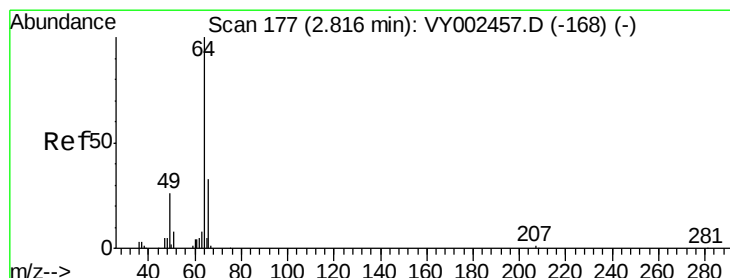
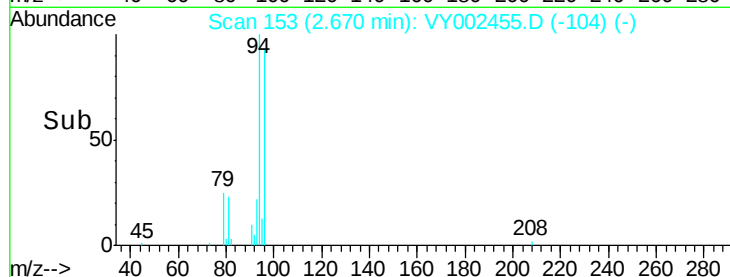
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Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 9.702 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY002455.D

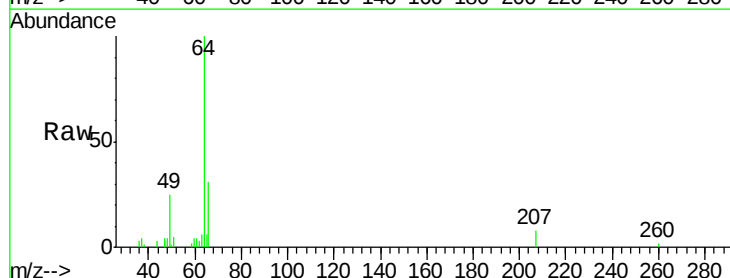
Acq: 23 Apr 2020 11:43

Tgt Ion: 64 Resp: 10622

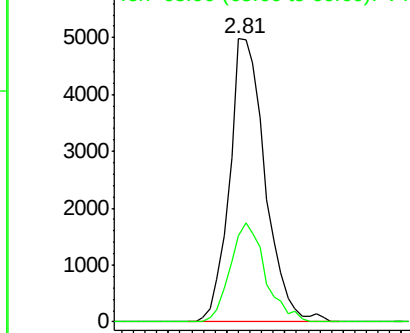
Ion Ratio Lower Upper

64 100

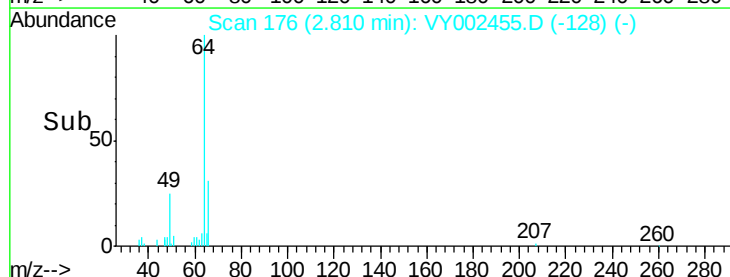
66 30.6 26.6 40.0

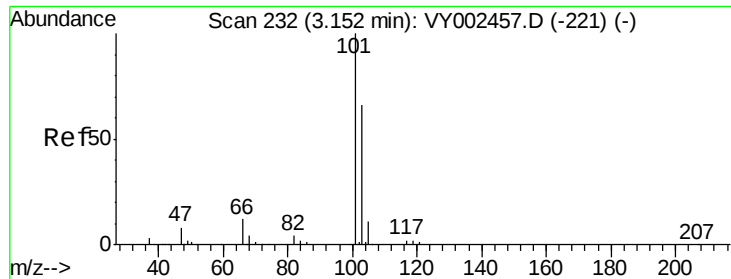


Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

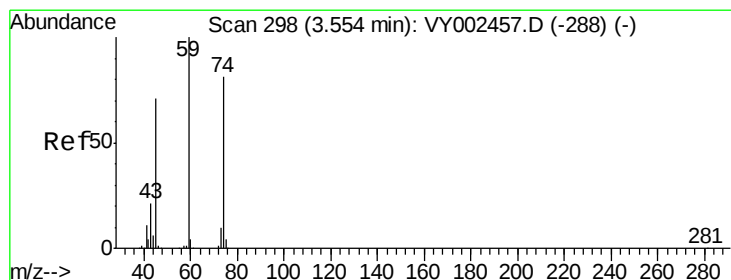
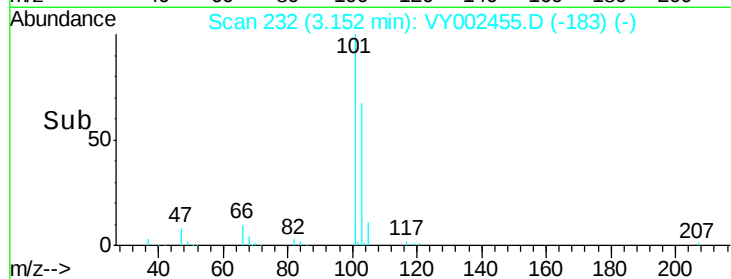
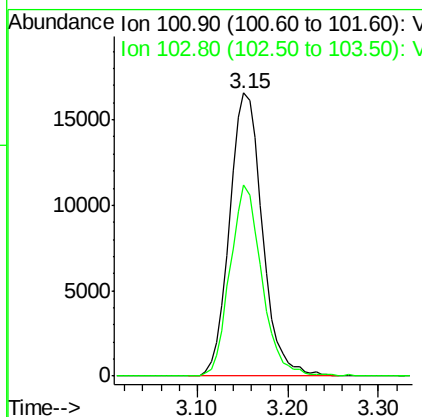
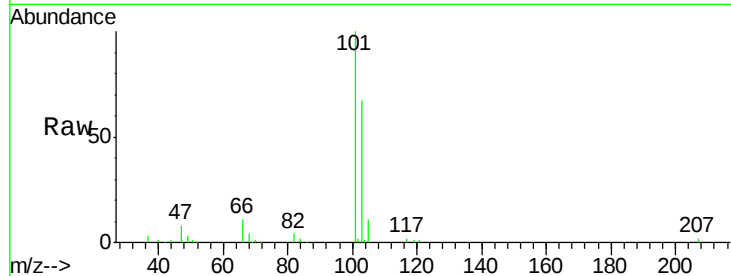
Trichlorofluoromethane
Concen: 11.000 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.5	78.7

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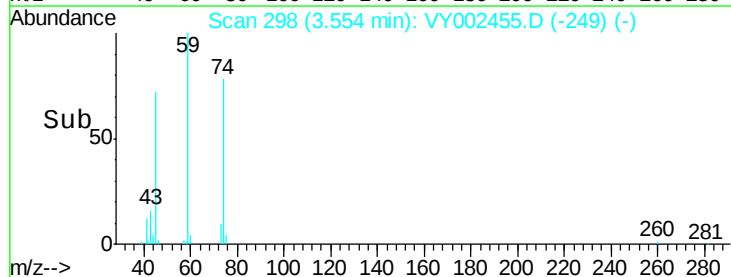
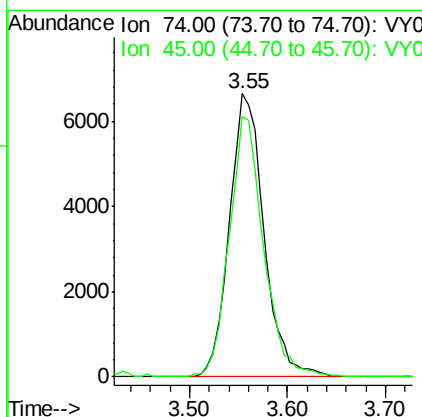
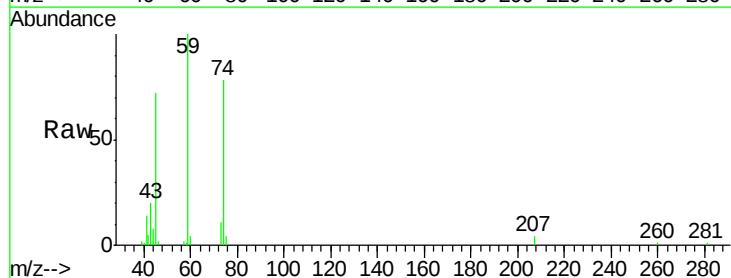
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4/24/2020 1:33:24 PM

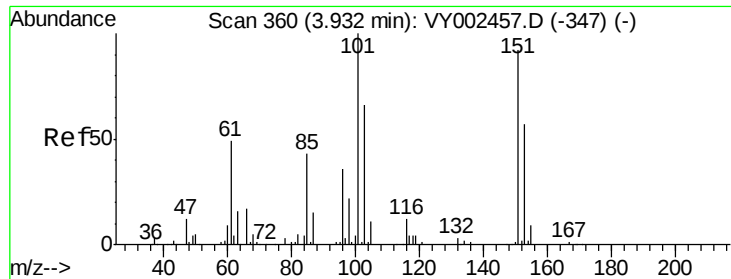


#8

Diethyl Ether
Concen: 10.550 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	44.0	132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.267 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

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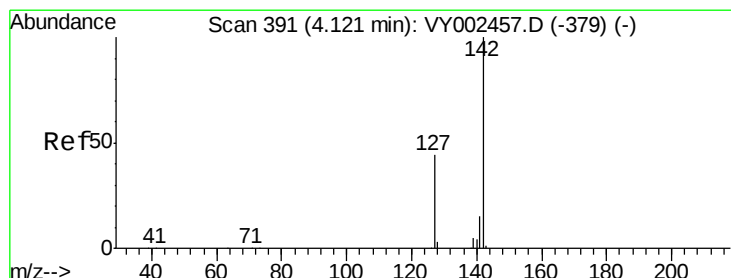
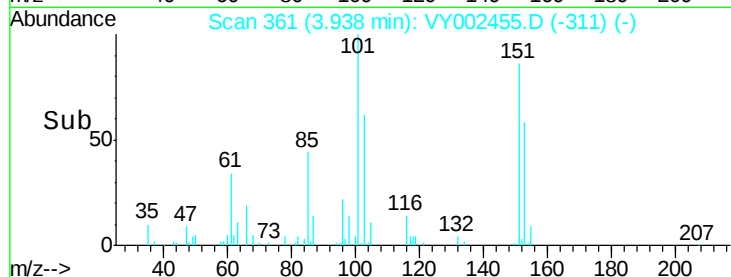
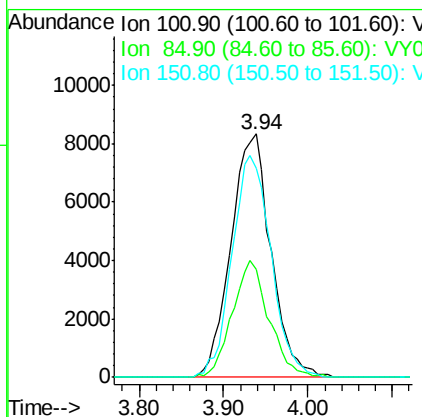
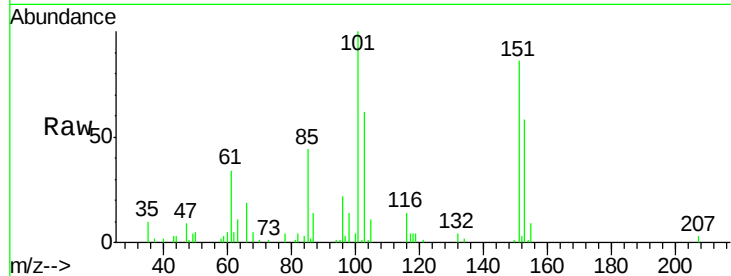
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	26822
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.1	51.1
151	89.2	70.3	105.5

Manual Integrations
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#10

Methyl Iodide

Concen: 9.820 ug/l

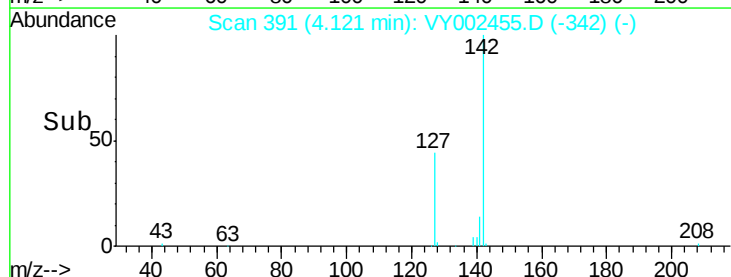
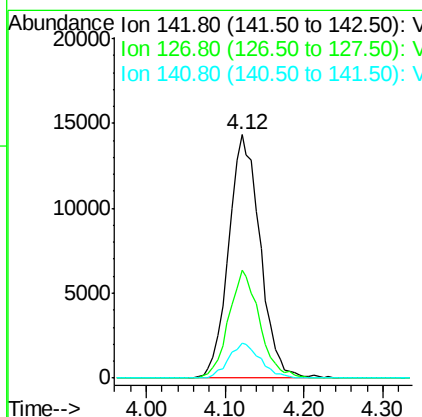
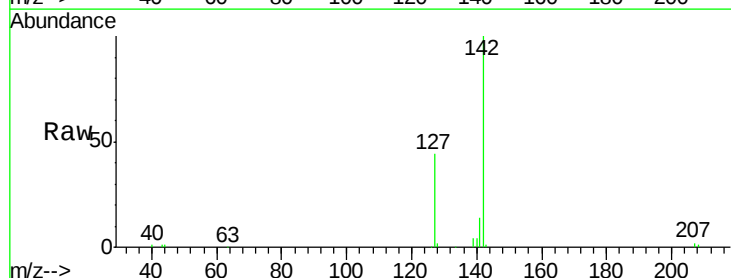
RT: 4.12 min Scan# 391

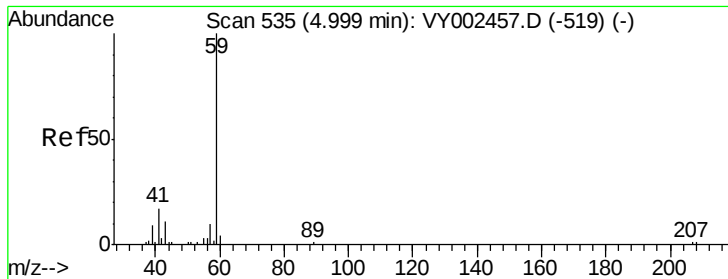
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	142	Resp:	39752
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.8	53.8
141	14.5	11.6	17.4





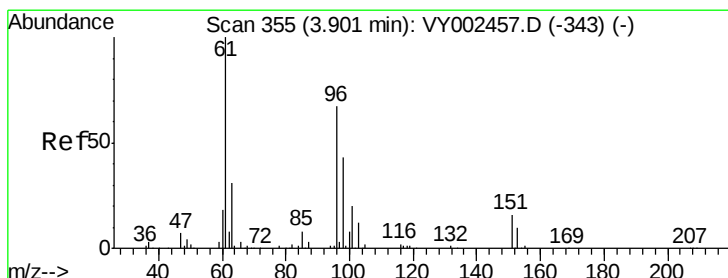
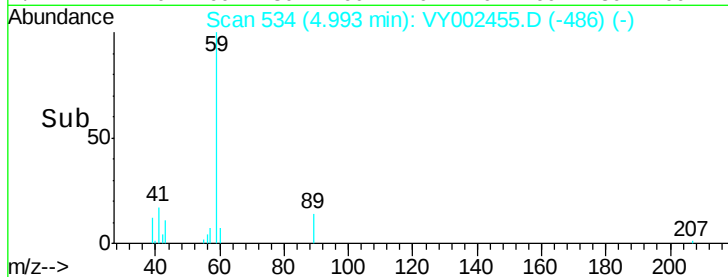
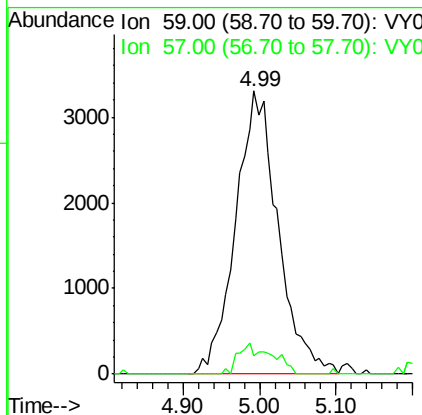
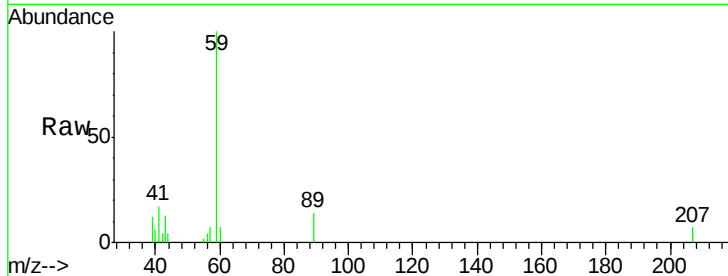
#11
Tert butyl alcohol
Concen: 49.638 ug/l
RT: 4.99 min Scan# 534
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	12770
Ion Ratio	100	Lower	Upper
57	8.6	8.4	12.6

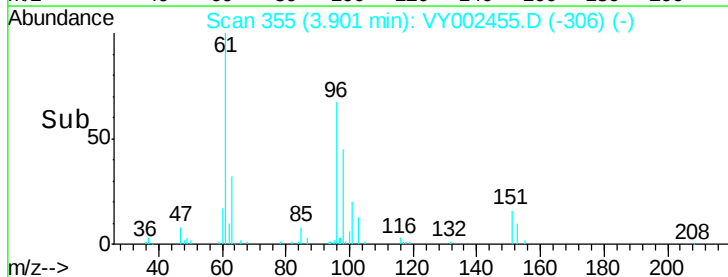
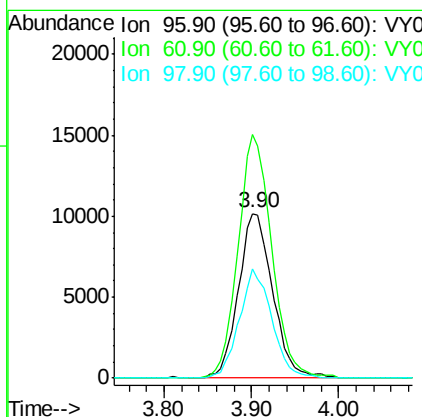
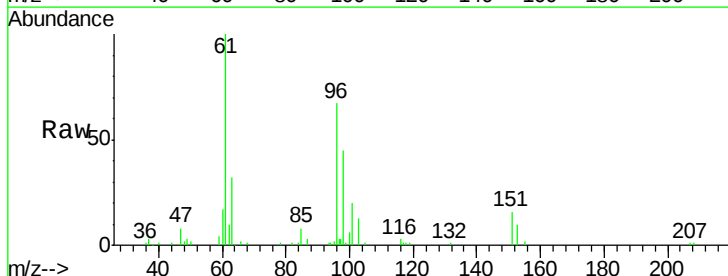
Manual Integrations
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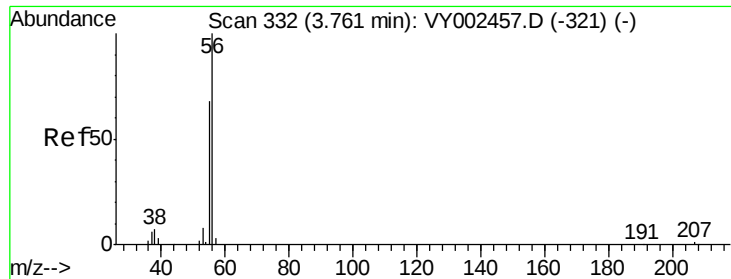
MMDadoda
4/24/2020 1:33:24 PM



#12
1,1-Dichloroethene
Concen: 10.338 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	96	Resp	27633
Ion Ratio	100	Lower	Upper
61	148.2	119.0	178.6
98	66.6	51.4	77.2





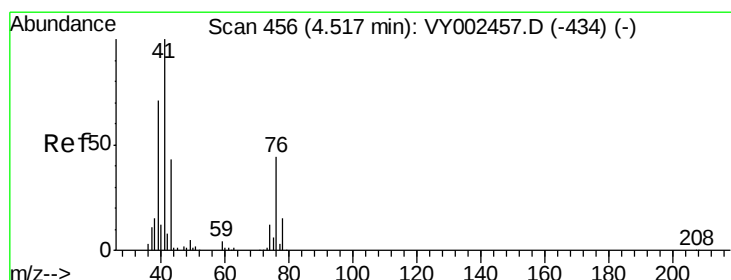
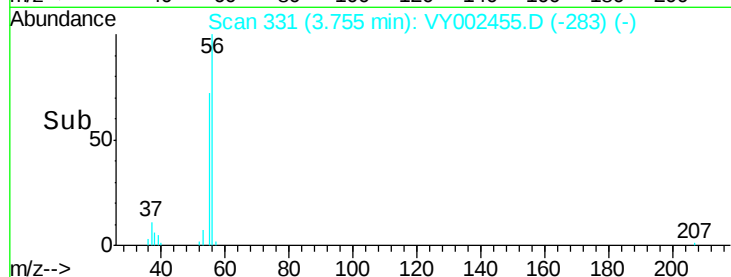
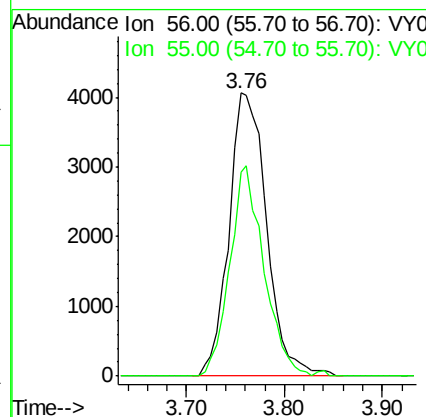
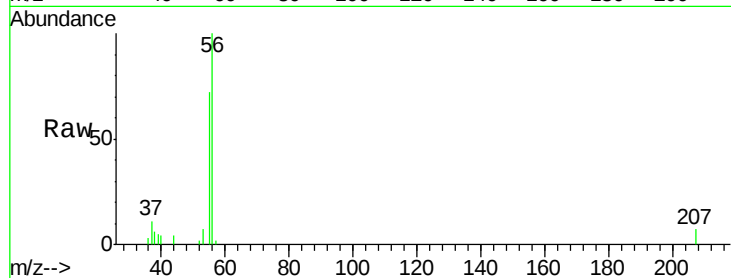
#13
Acrolein
Concen: 54.695 ug/l
RT: 3.76 min Scan# 331
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	56	Resp	10832
Ion Ratio	100	Lower	Upper
55	67.3	55.8	83.6

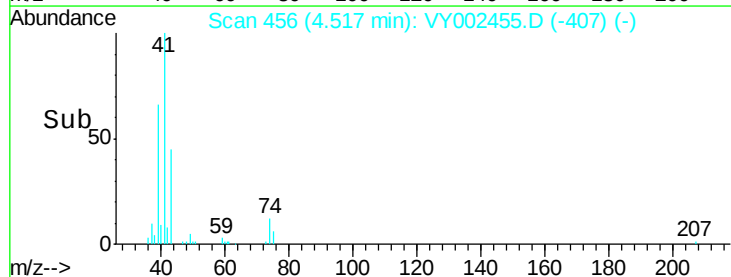
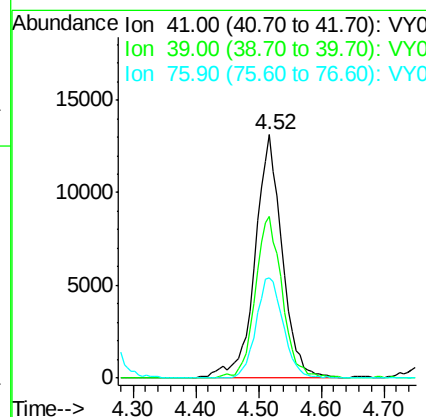
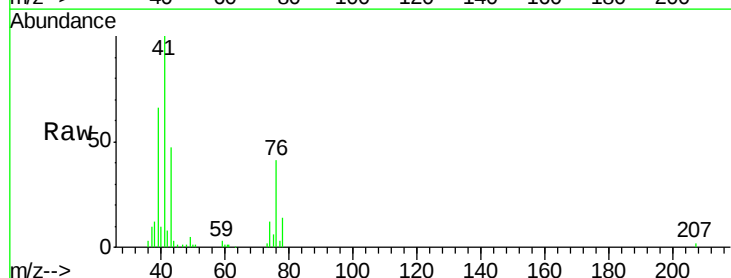
Manual Integrations
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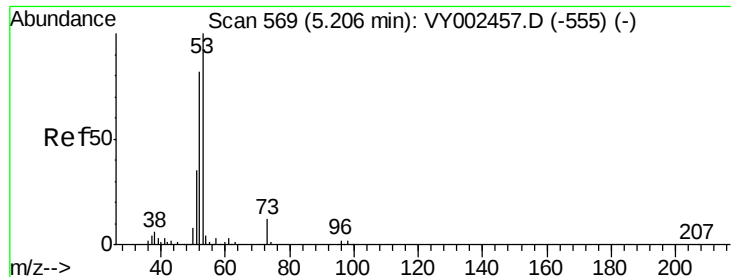
MMDadoda
4/24/2020 1:33:24 PM



#14
Allyl chloride
Concen: 9.883 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	41	Resp	39306
Ion Ratio	100	Lower	Upper
39	65.8	55.1	82.7
76	41.0	34.3	51.5





#15

Acrylonitrile

Concen: 49.299 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

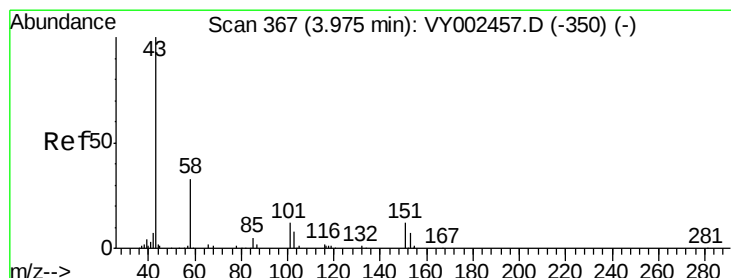
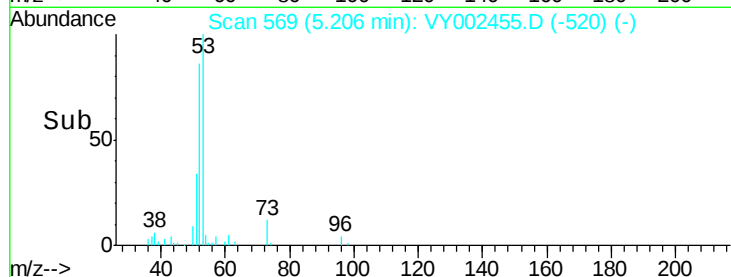
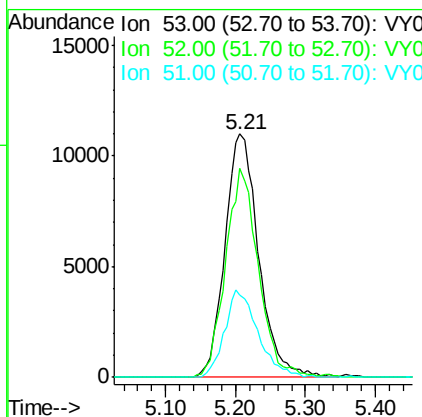
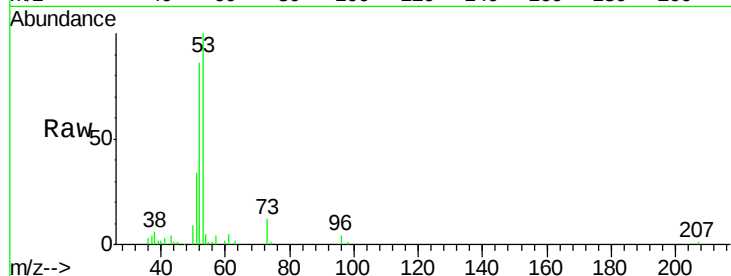
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	36817
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.4	98.2
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 53.380 ug/l

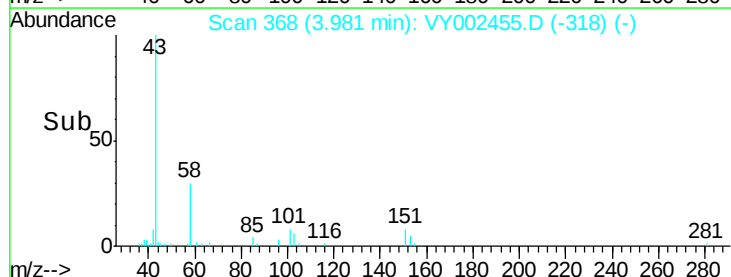
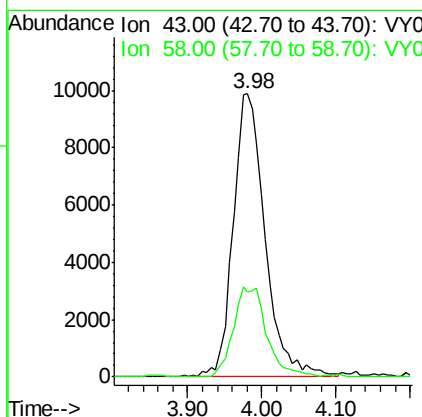
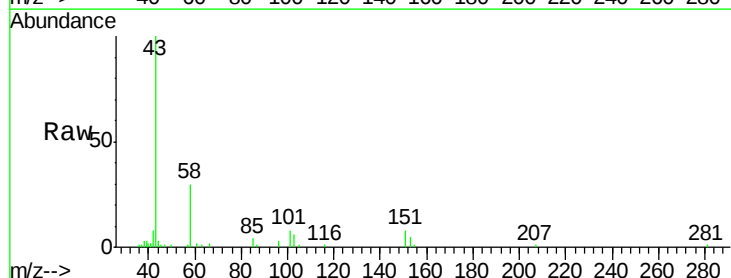
RT: 3.98 min Scan# 368

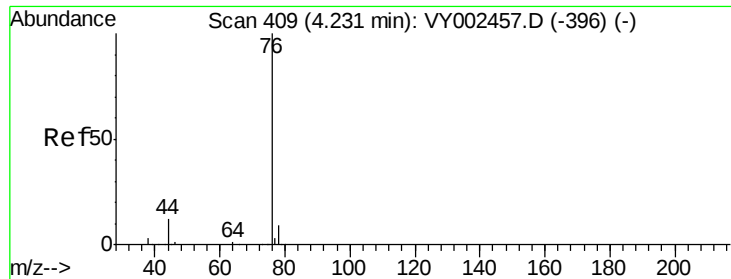
Delta R.T. 0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	43	Resp:	29654
Ion	Ratio	Lower	Upper
43	100		
58	30.0	26.4	39.6





#17

Carbon Disulfide

Concen: 9.748 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 82082

Ion Ratio Lower Upper

76 100

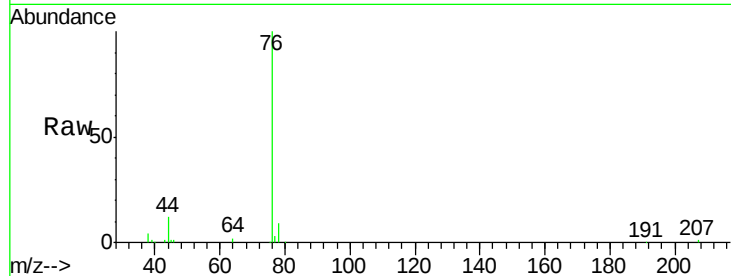
78 8.7 7.3 10.9

Manual Integrations

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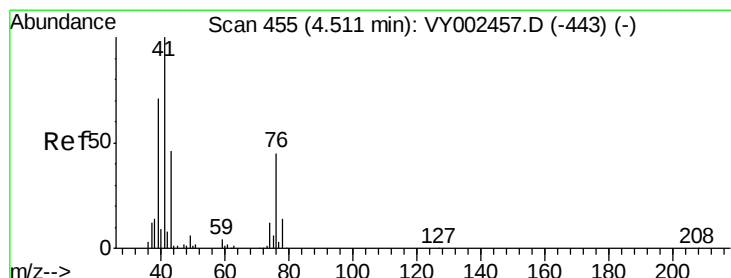
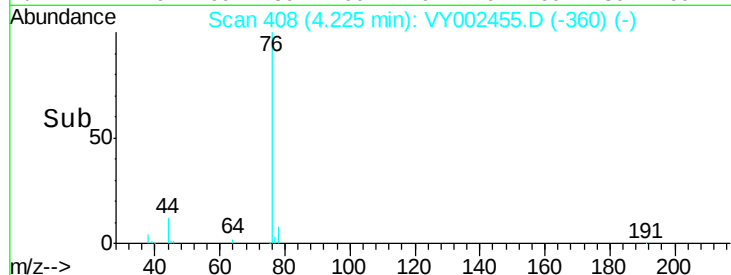
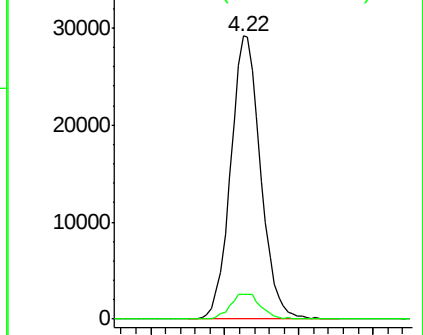
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 9.775 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002455.D

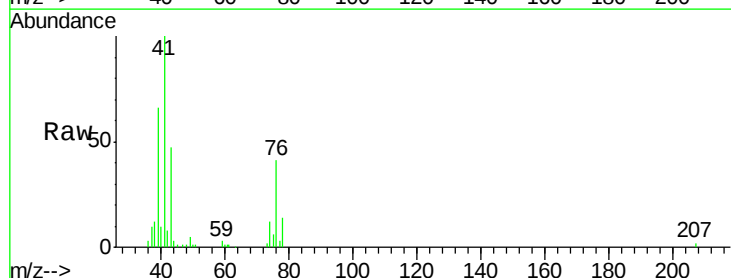
Acq: 23 Apr 2020 11:43

Tgt Ion: 43 Resp: 18069

Ion Ratio Lower Upper

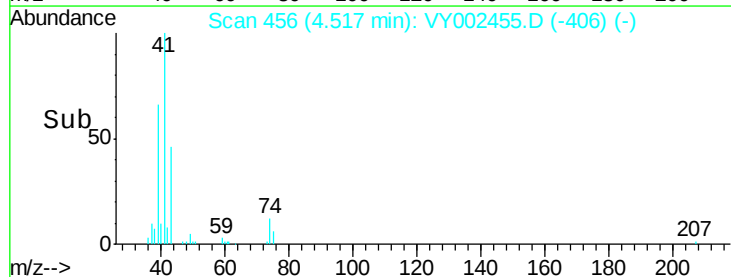
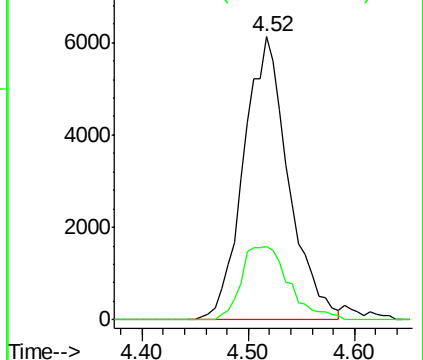
43 100

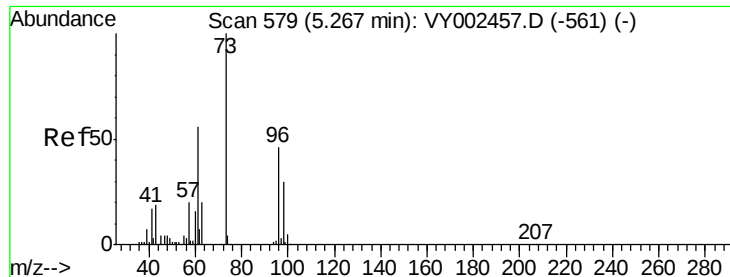
74 27.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





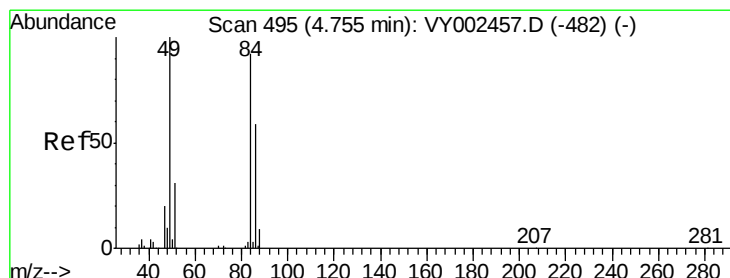
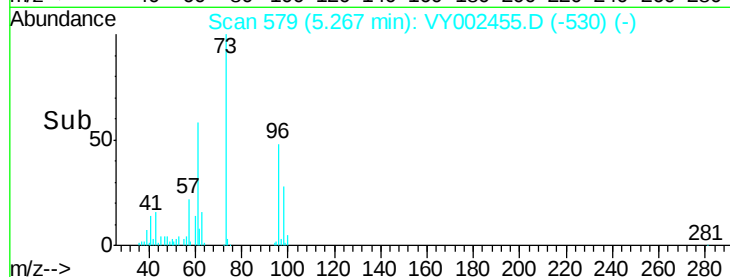
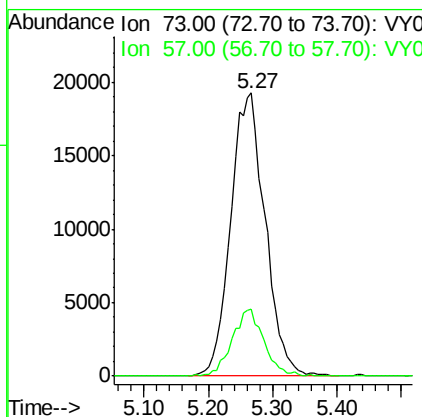
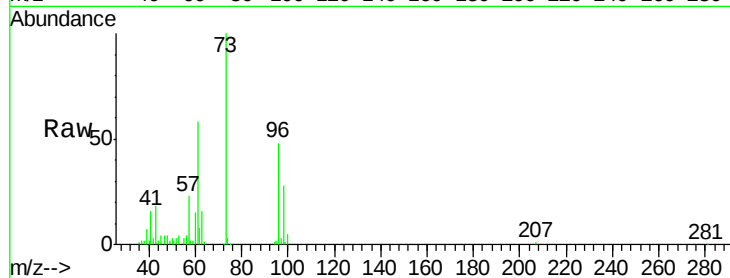
#19
Methvl tert-butvl Ether
Concen: 9.889 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 71497
Ion Ratio Lower Upper
73 100
57 23.5 16.0 24.0

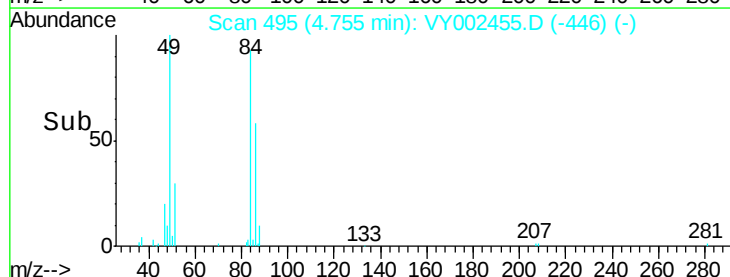
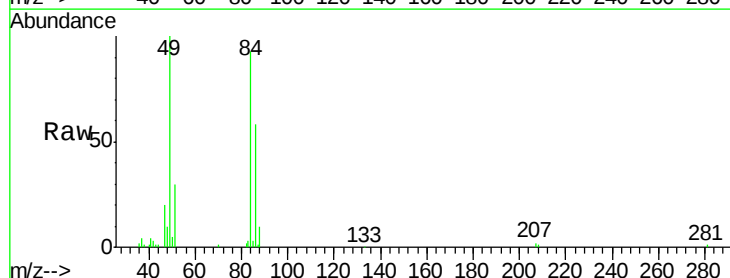
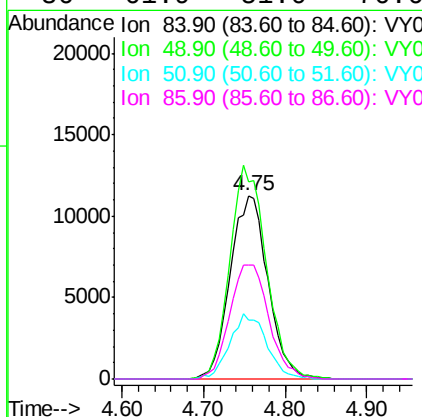
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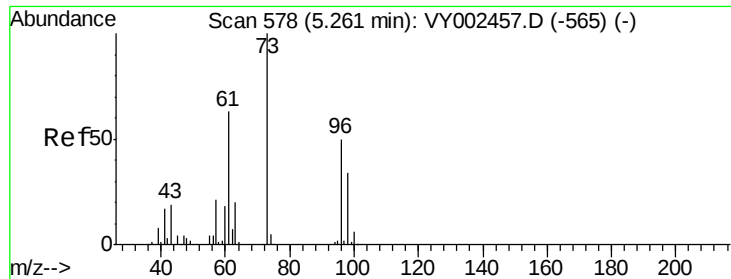
MMDadoda
4/24/2020 1:33:24 PM



#20
Methylene Chloride
Concen: 10.587 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion: 84 Resp: 35934
Ion Ratio Lower Upper
84 100
49 107.6 86.9 130.3
51 32.4 27.3 40.9
86 61.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 10.092 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

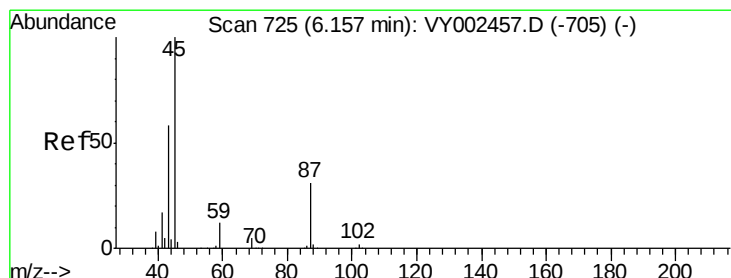
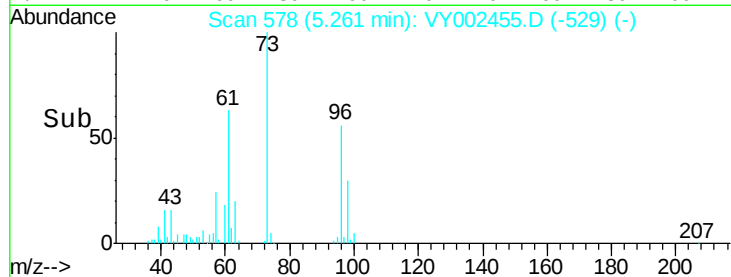
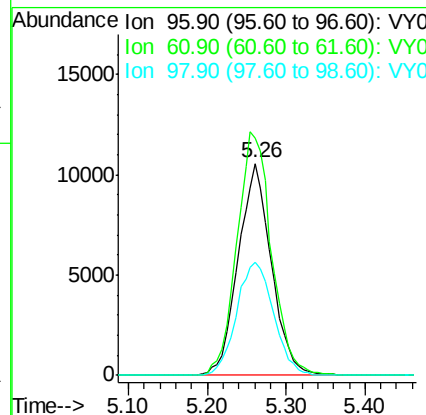
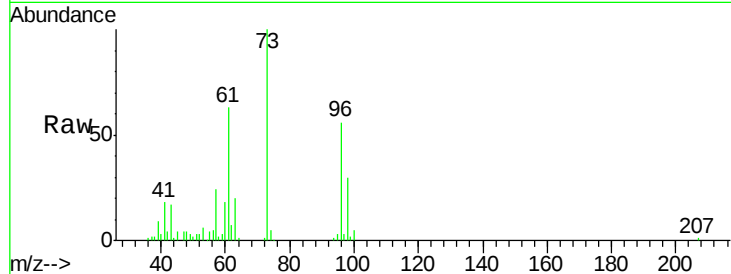
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	30880
Ion	Ratio	Lower	Upper
96	100		
61	112.1	101.4	152.0
98	53.3	53.6	80.4#

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



#22

Diisopropyl ether

Concen: 10.267 ug/l

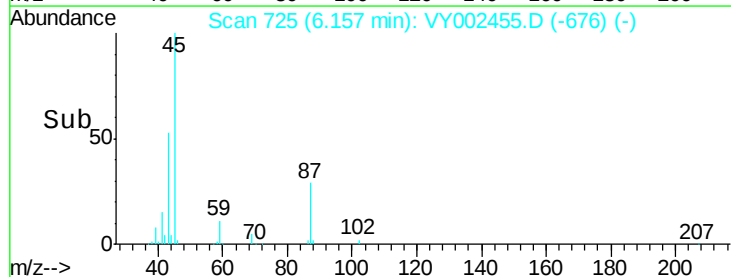
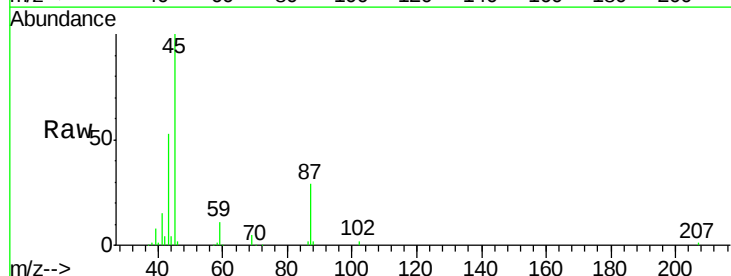
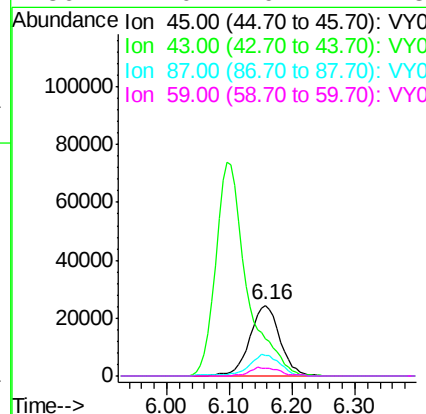
RT: 6.16 min Scan# 725

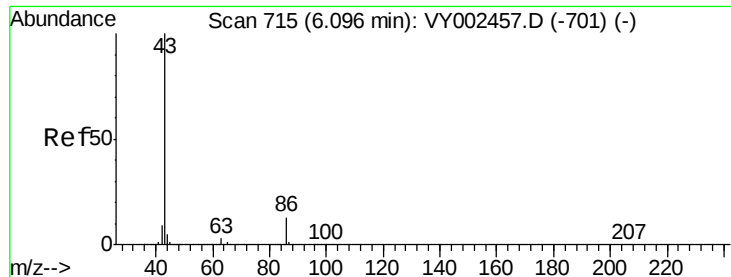
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	45	Resp:	81134
Ion	Ratio	Lower	Upper
45	100		
43	52.7	47.1	70.7
87	28.9	25.0	37.6
59	11.0	9.7	14.5





#23

Vinyl Acetate

Concen: 50.851 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tot Ion: 43 Resp: 252042

Ion Ratio Lower Upper

43 100

86 11.6 10.2 15.4

Instrument :

MSVOA_Y

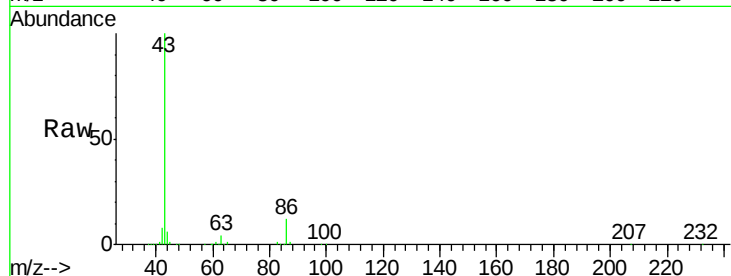
ClientSampleId :

VSTDIC010

Manual Integrations
APPROVED

MMDadoda

4/24/2020 1:33:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

80000

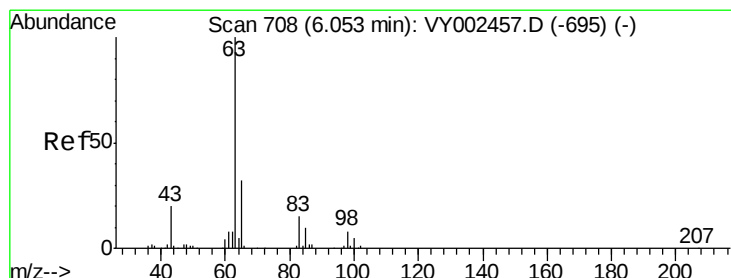
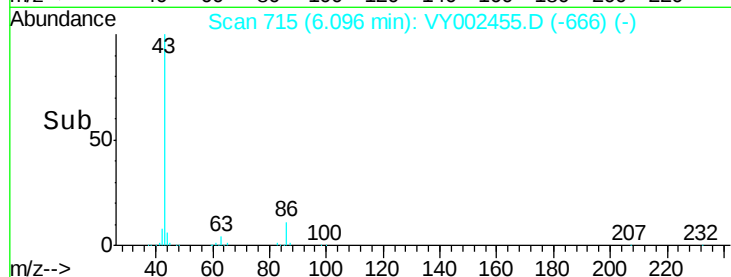
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 10.049 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

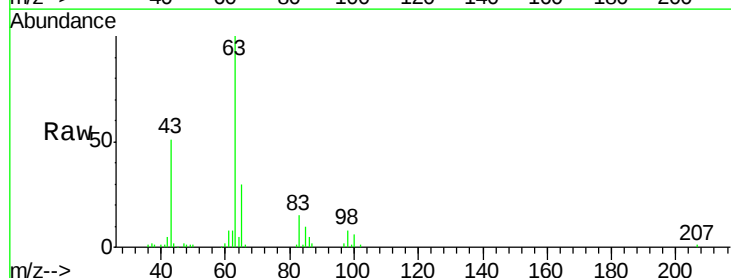
Tgt Ion: 63 Resp: 48145

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

100 6.1 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

20000

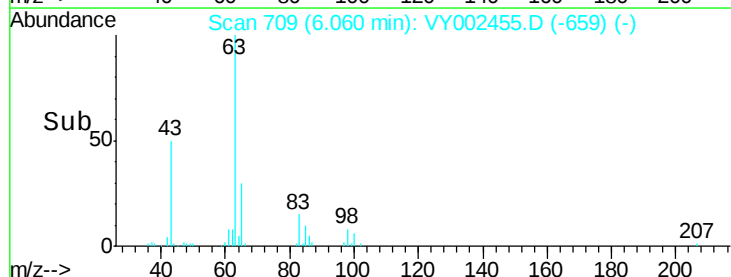
15000

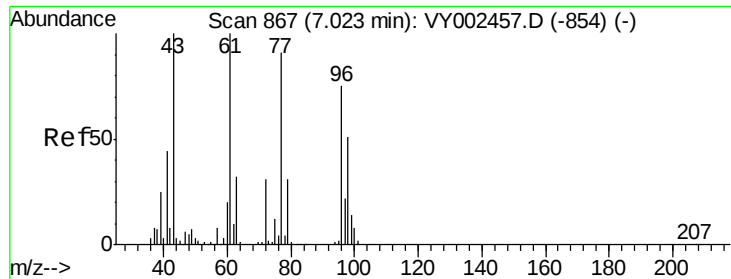
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 51.658 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 44844

Ion Ratio Lower Upper

43 100

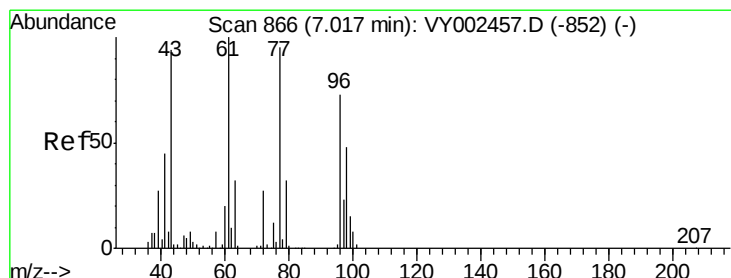
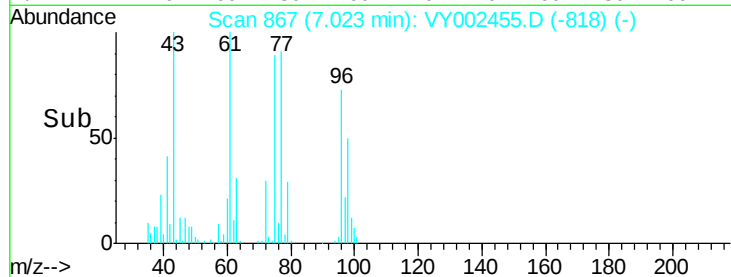
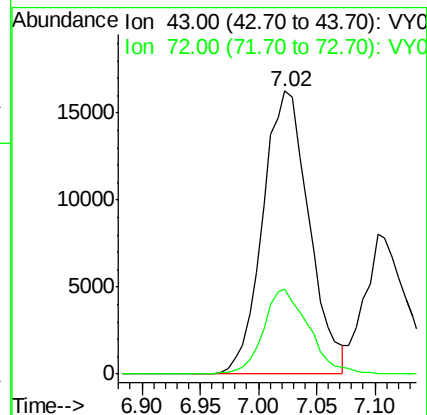
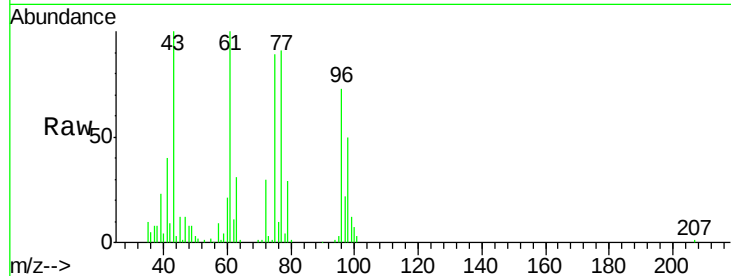
72 30.2 24.8 37.2

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#26

2,2-Dichloropropane

Concen: 10.144 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002455.D

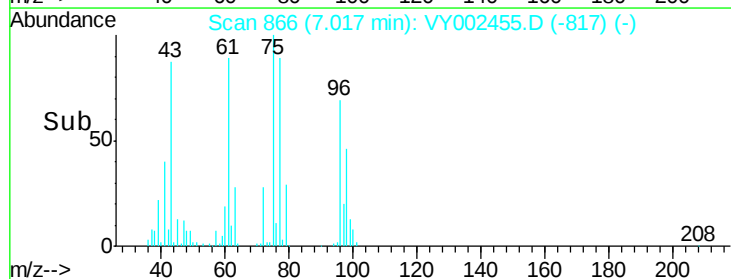
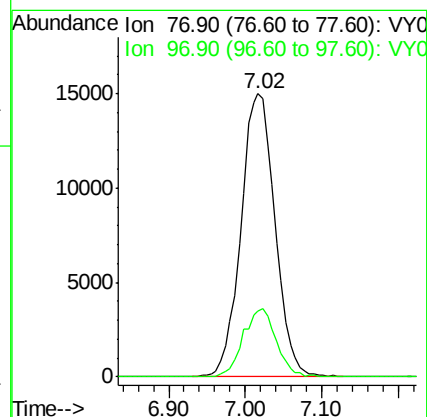
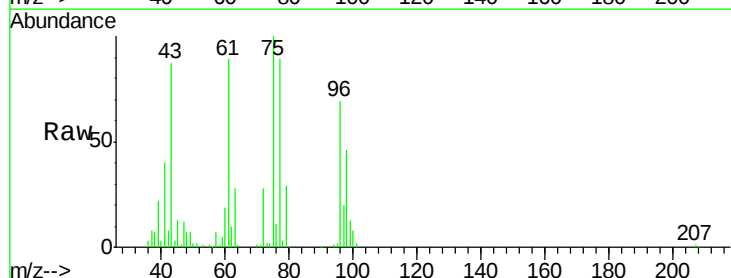
Acq: 23 Apr 2020 11:43

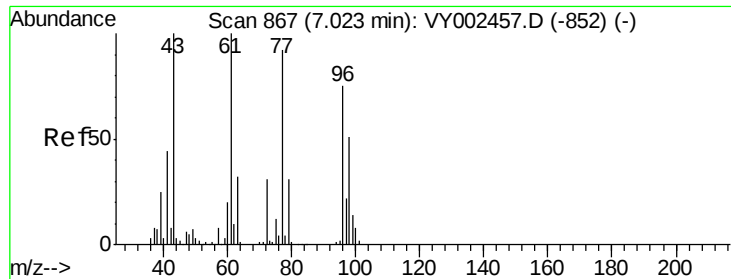
Tgt Ion: 77 Resp: 46235

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.0





#27

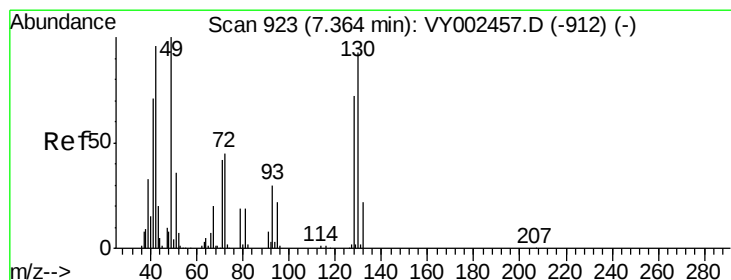
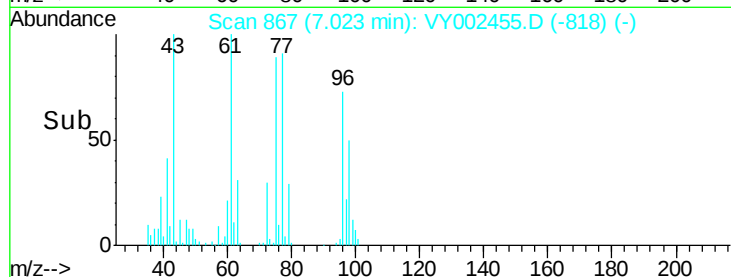
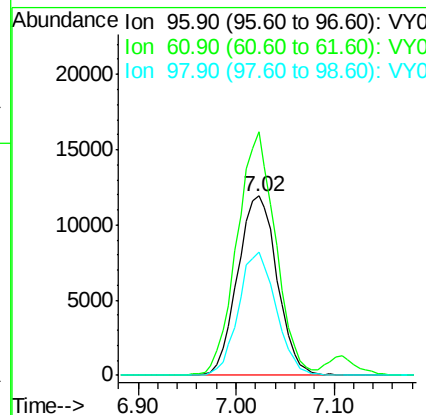
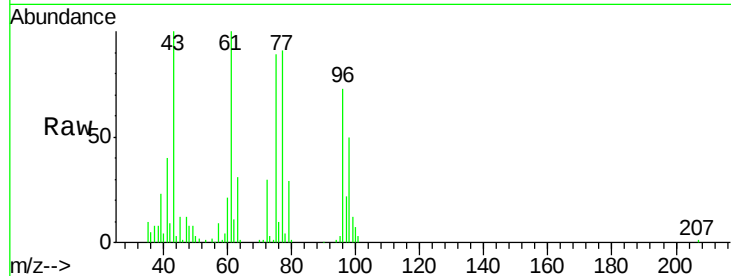
cis-1,2-Dichloroethene
Concen: 10.053 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	262.6
98	65.2	0.0	131.0

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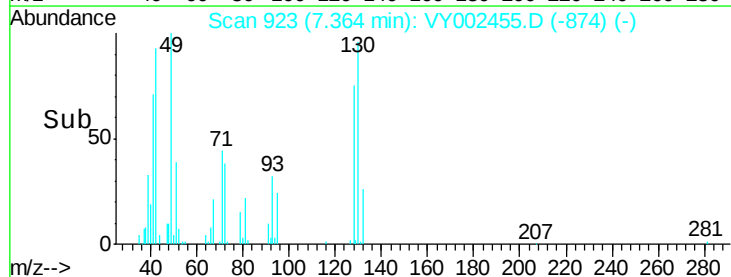
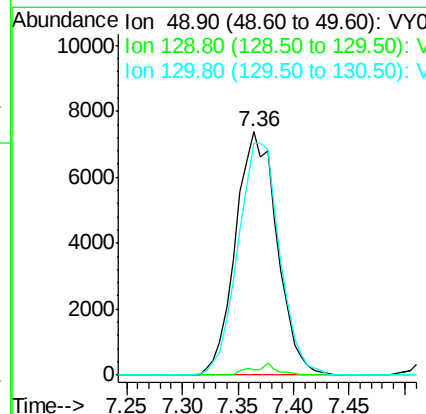
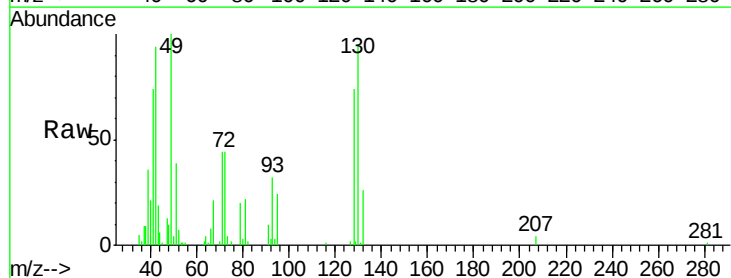
MMDadoda
4/24/2020 1:33:24 PM

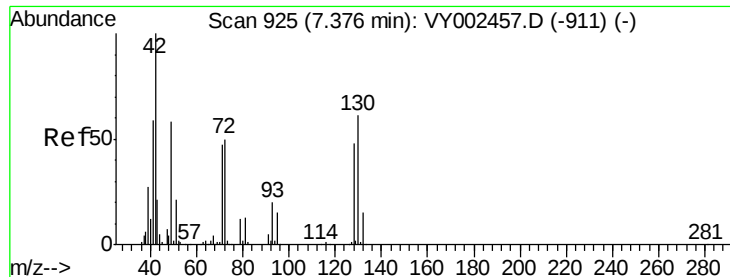


#28

Bromochloromethane
Concen: 10.119 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	96.2	76.3	114.5





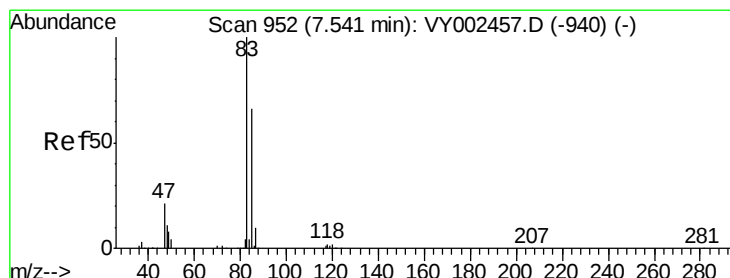
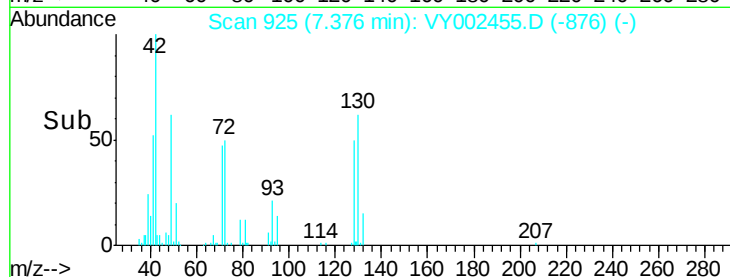
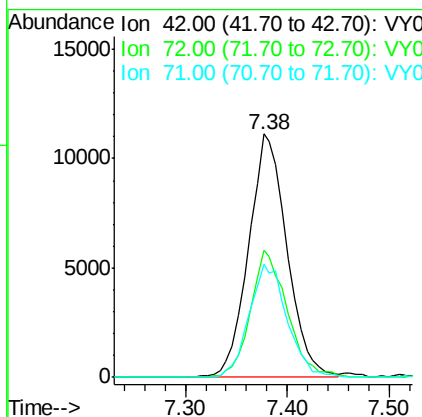
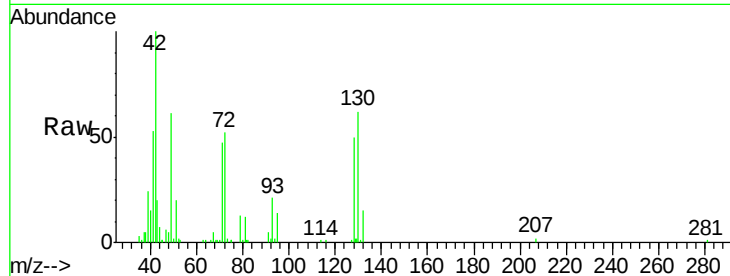
#29
Tetrahydrofuran
Concen: 50.357 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	29112
Ion Ratio	Lower	Upper	
42	100		
72	50.0	39.5	59.3
71	45.8	37.6	56.4

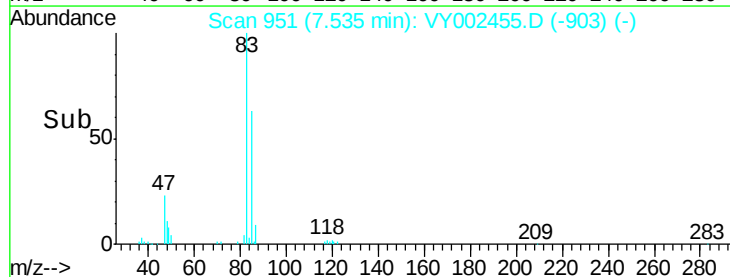
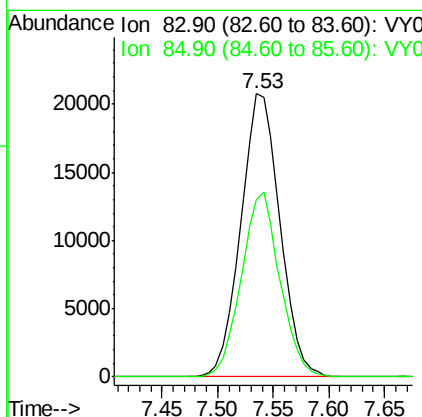
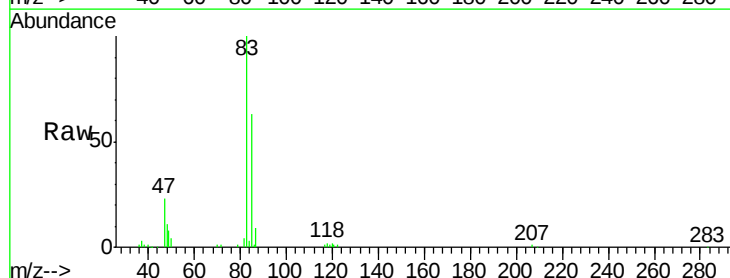
Manual Integrations
APPROVED

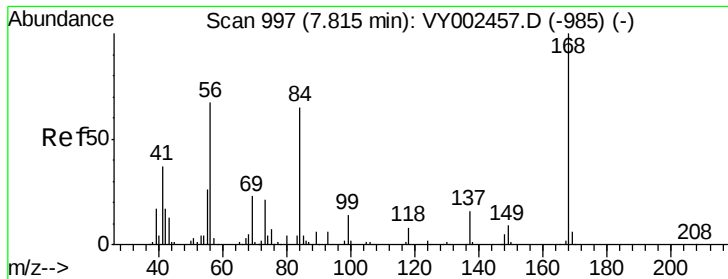
MMDadoda
4/24/2020 1:33:24 PM



#30
Chloroform
Concen: 9.952 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion:	83	Resp:	50661
Ion Ratio	Lower	Upper	
83	100		
85	62.5	52.4	78.6





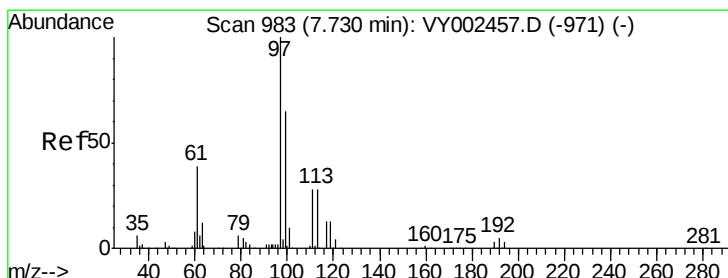
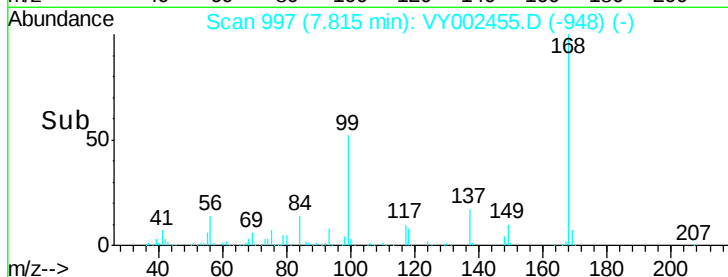
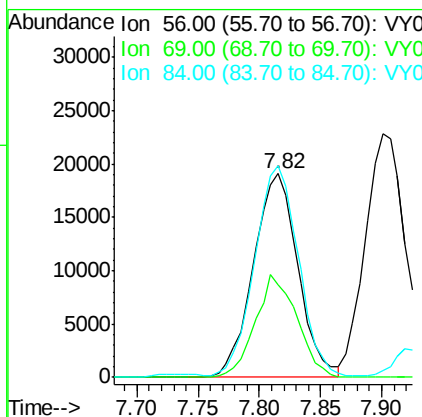
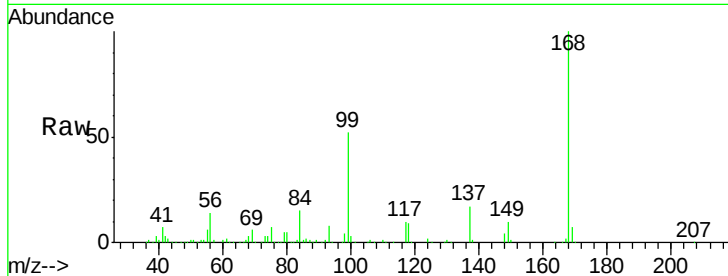
#31
Cyclohexane
Concen: 9.988 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	45.3	27.0	40.6#	
84	102.3	77.4	116.2	

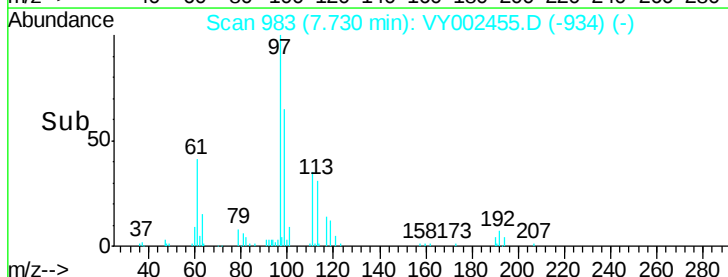
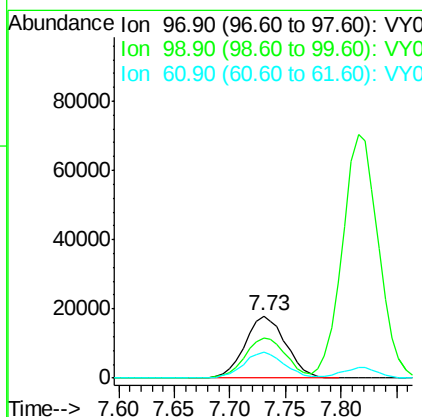
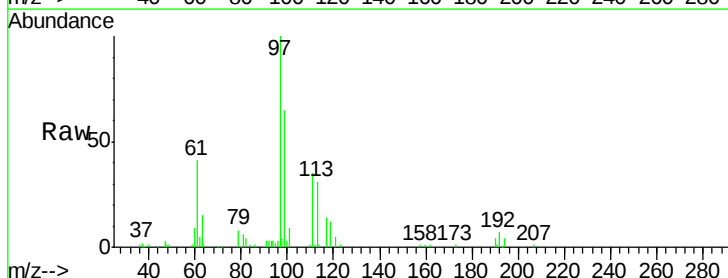
Manual Integrations
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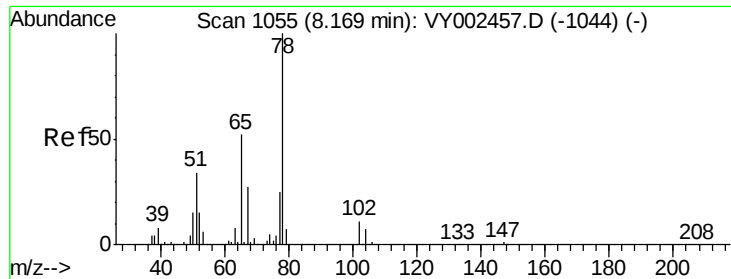
MMDadoda
4/24/2020 1:33:24 PM



#32
1,1,1-Trichloroethane
Concen: 9.591 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.6	51.6	77.4	
61	41.0	30.6	45.8	





#33

1,2-Dichloroethane-d4

Concen: 10.374 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 28705

Ion Ratio Lower Upper

65 100

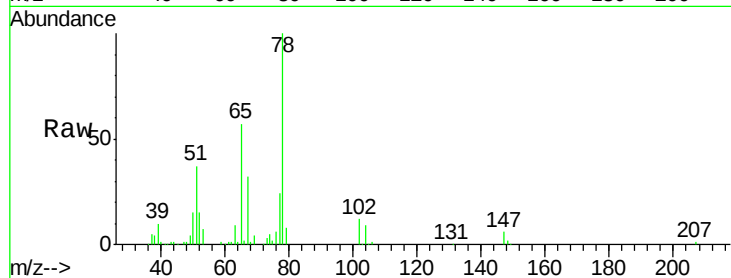
67 52.0 0.0 104.2

Manual Integrations

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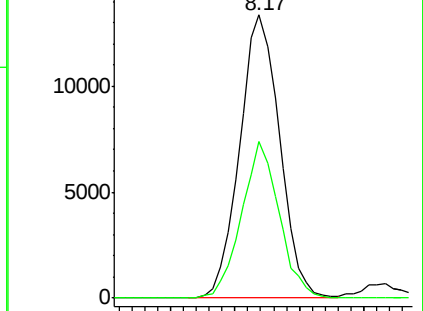
MMDadoda

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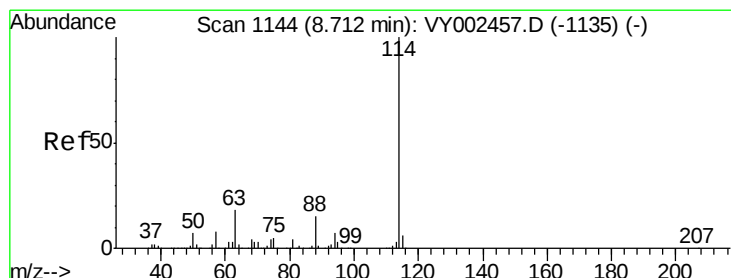
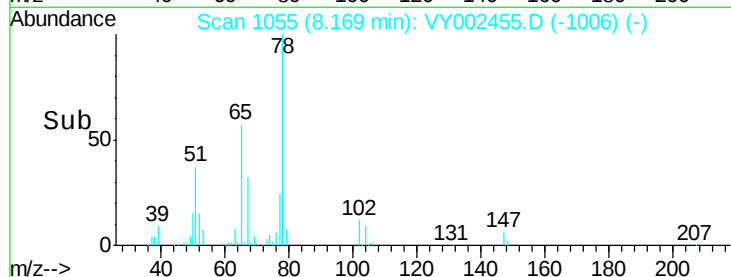


Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

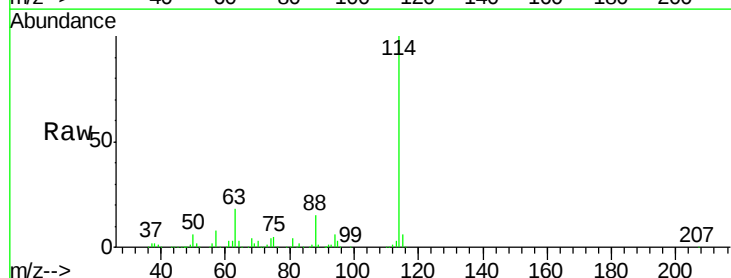
Tgt Ion: 114 Resp: 471546

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

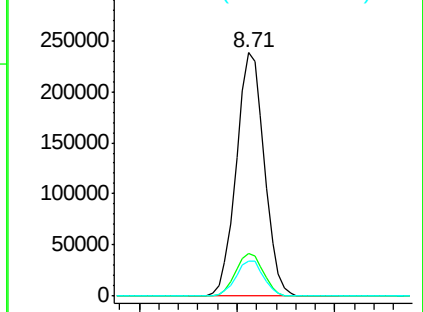
88 14.6 0.0 29.4



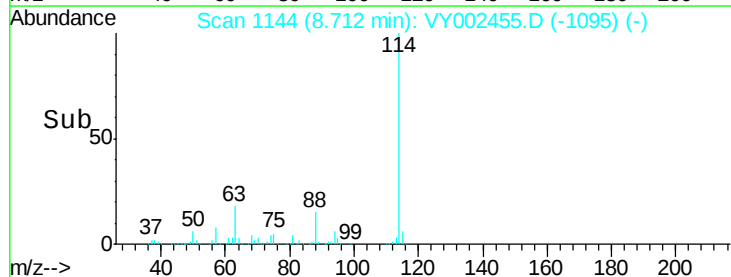
Abundance Ion 113.90 (113.60 to 114.60): V

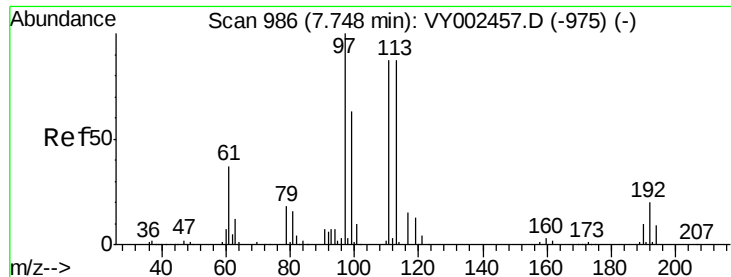
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



Time-->





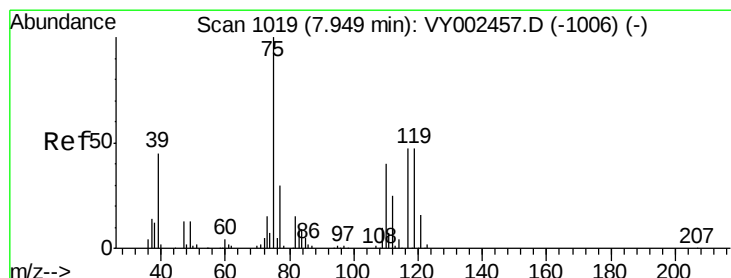
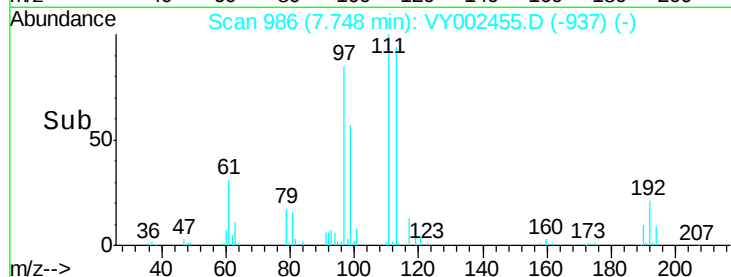
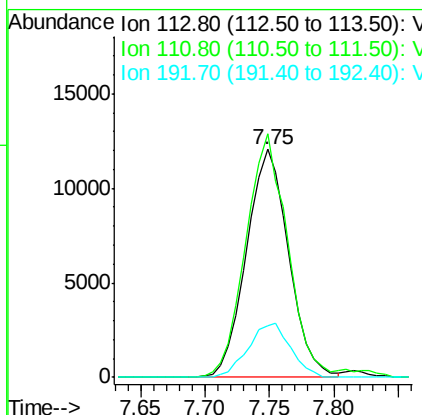
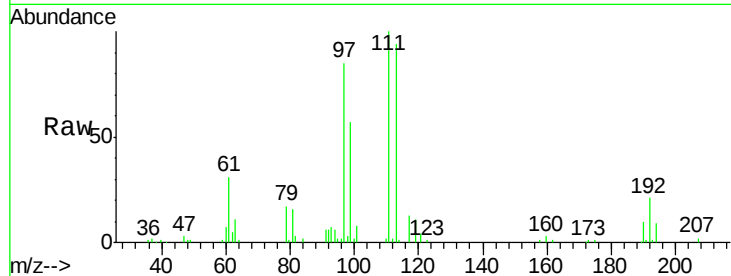
#35
 Dibromofluoromethane
 Concen: 10.250 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.9	81.0	121.4
192	23.7	18.6	27.8

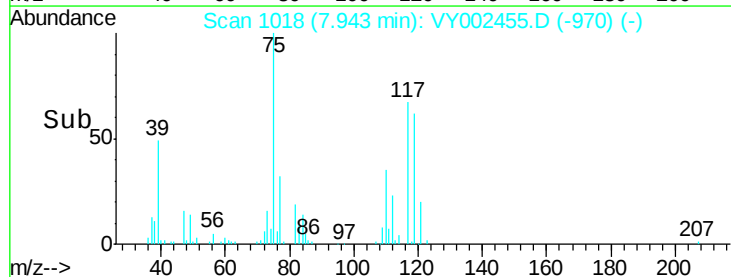
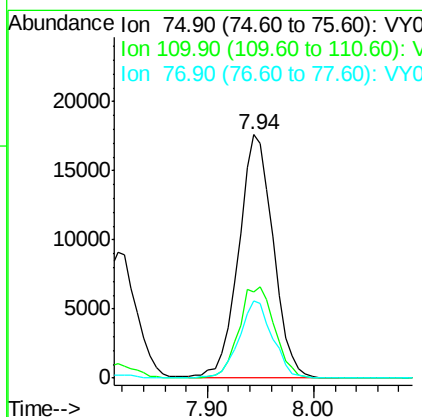
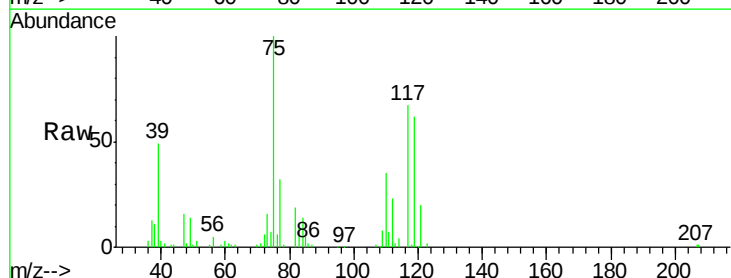
Manual Integrations
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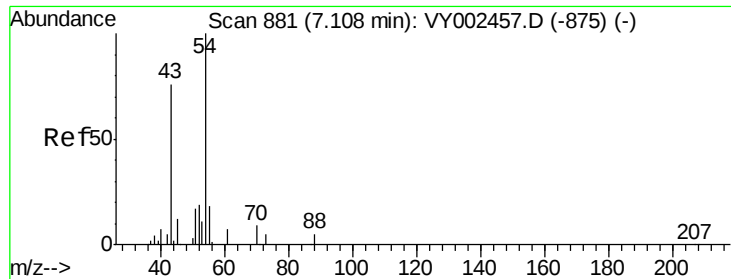
MMDadoda
 4/24/2020 1:33:24 PM



#36
 1,1-Dichloropropene
 Concen: 9.942 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.4	58.4
77	30.5	24.7	37.1





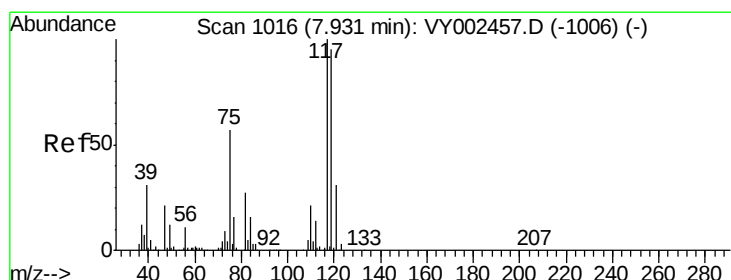
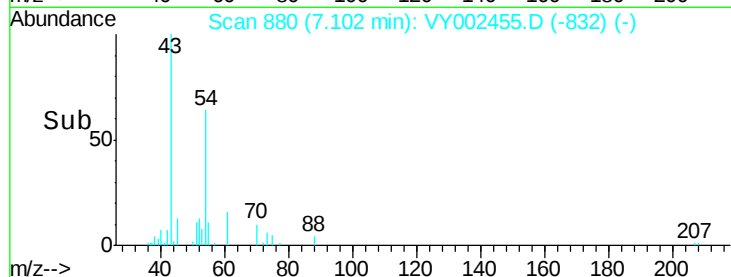
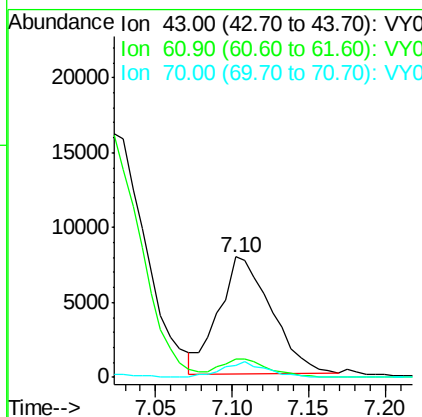
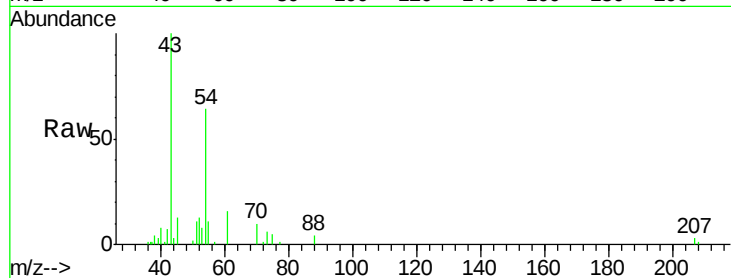
#37
Ethyl Acetate
Concen: 9.367 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	11.5	9.3	13.9

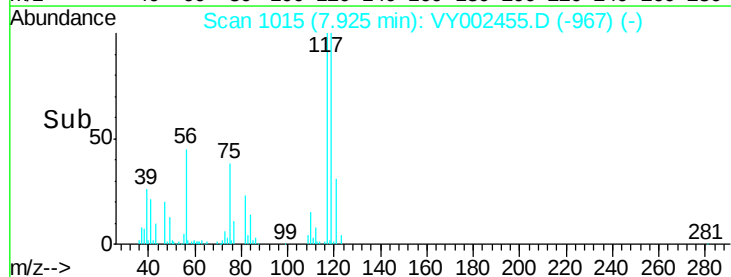
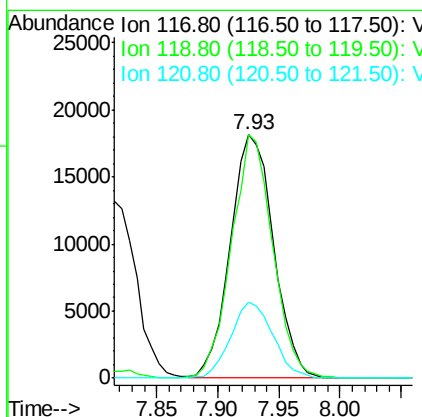
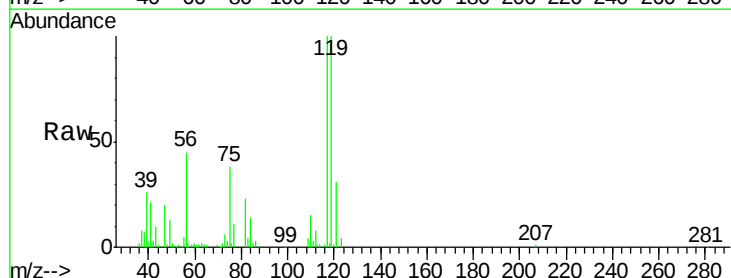
Manual Integrations
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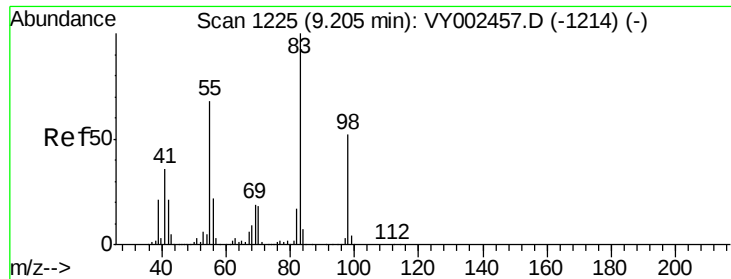
MMDadoda
4/24/2020 1:33:24 PM



#38
Carbon Tetrachloride
Concen: 9.639 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.9	113.9
121	31.4	24.5	36.7





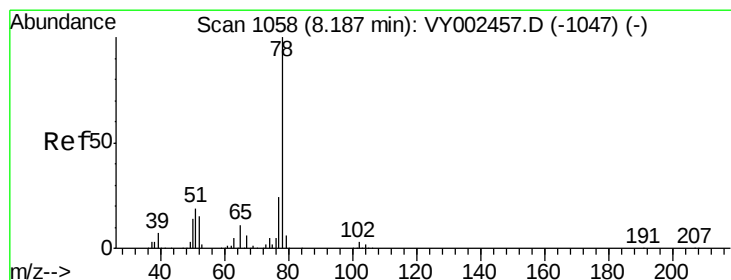
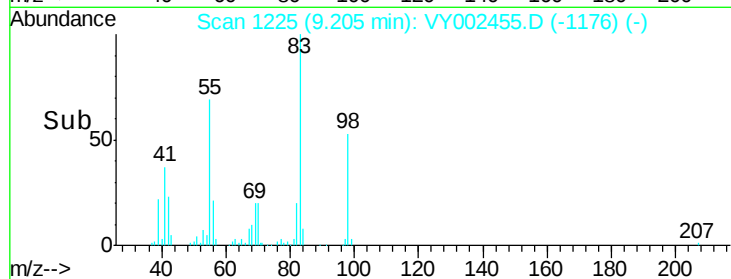
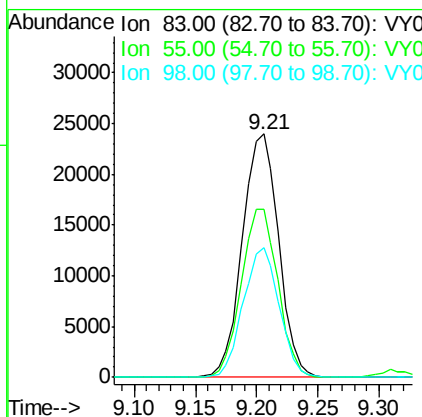
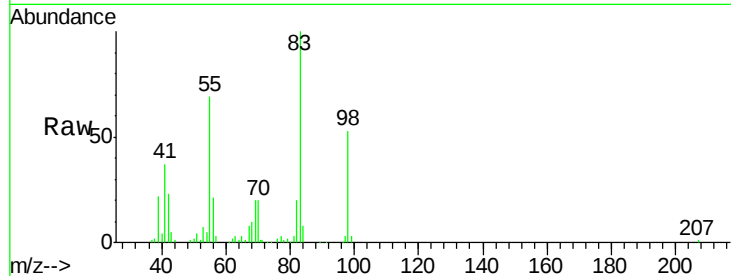
#39
Methvlcvclohexane
Concen: 9.440 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	49640
Ion Ratio	Lower	Upper	
83	100		
55	69.1	54.2	81.2
98	53.3	41.9	62.9

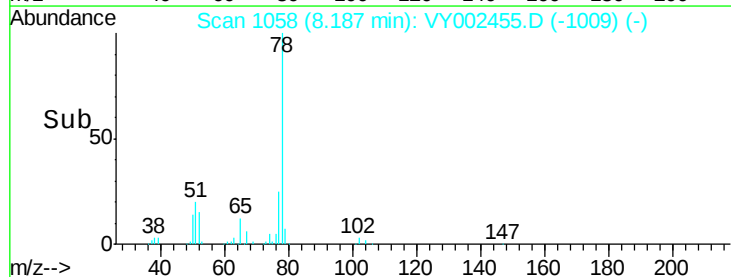
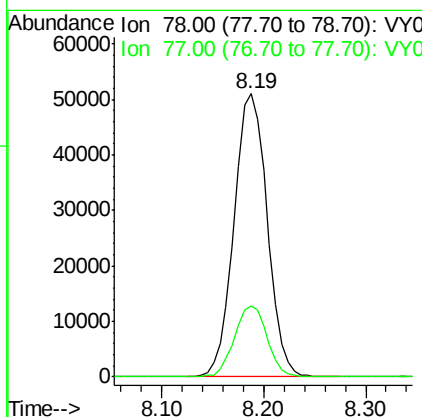
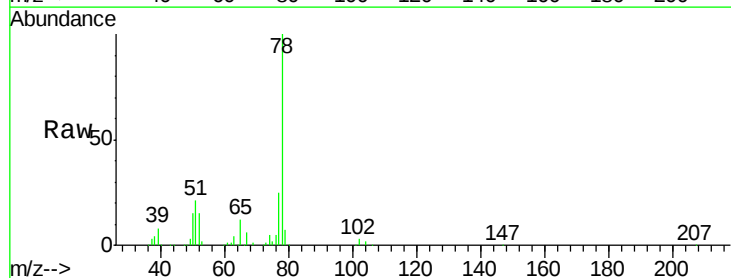
Manual Integrations
APPROVED

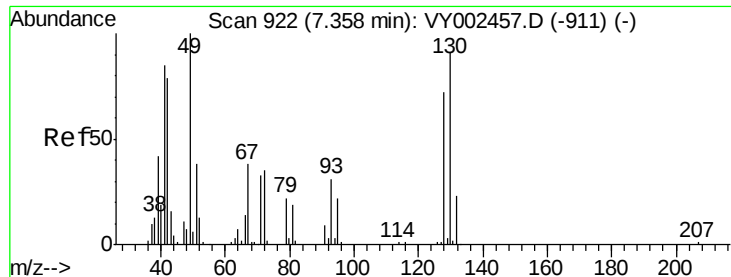
MMDadoda
4/24/2020 1:33:24 PM



#40
Benzene
Concen: 9.856 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	78	Resp	115107
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.4	29.0





#41

Methacrylonitrile

Concen: 4.972 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 11947

Ion Ratio Lower Upper

41 100

39 66.0 85.7 128.5#

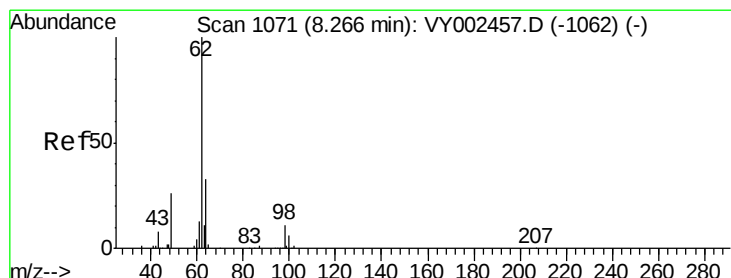
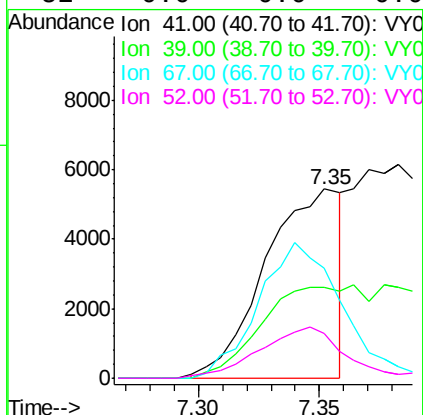
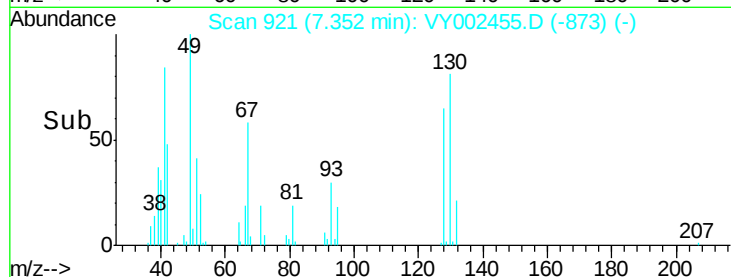
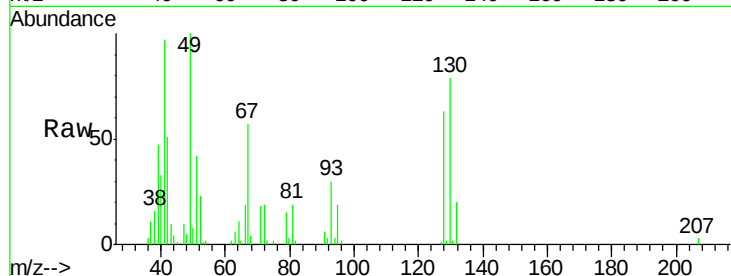
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 9.679 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VY002455.D

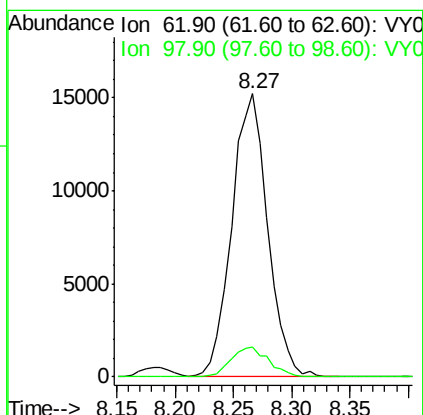
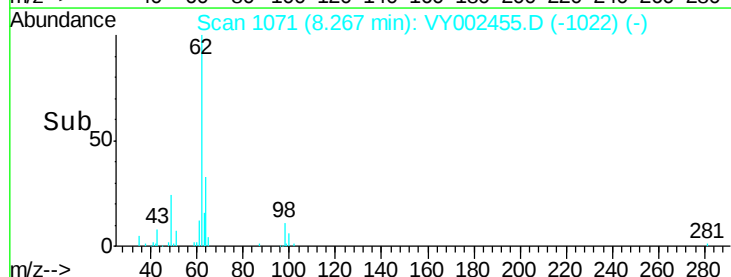
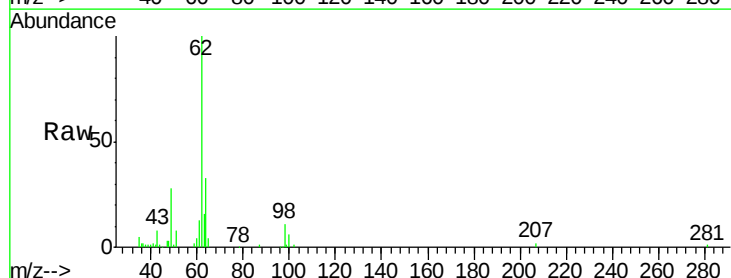
Acq: 23 Apr 2020 11:43

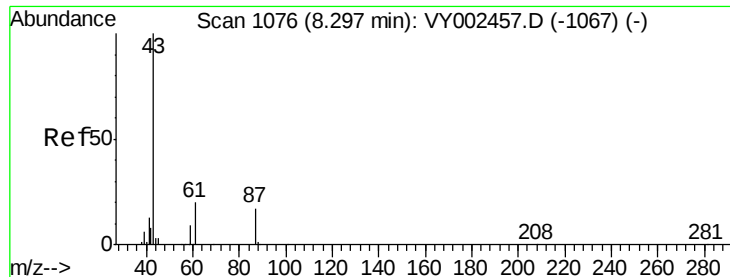
Tgt Ion: 62 Resp: 32719

Ion Ratio Lower Upper

62 100

98 11.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 10.160 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

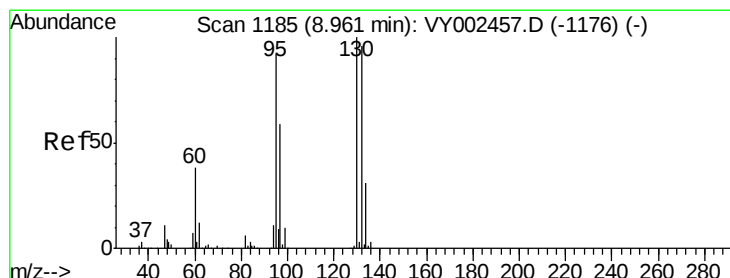
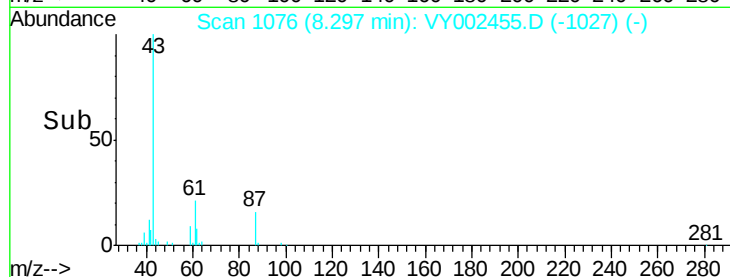
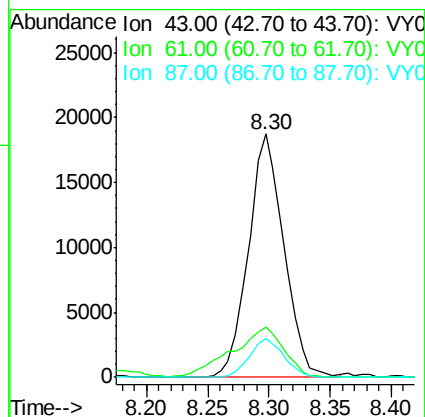
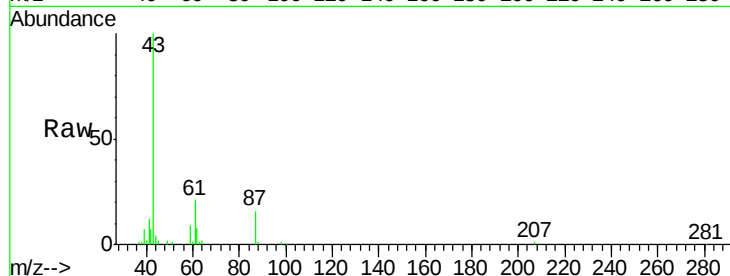
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	37837
Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.0	37.4
87	15.5	13.0	19.4

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#44

Trichloroethene

Concen: 9.818 ug/l

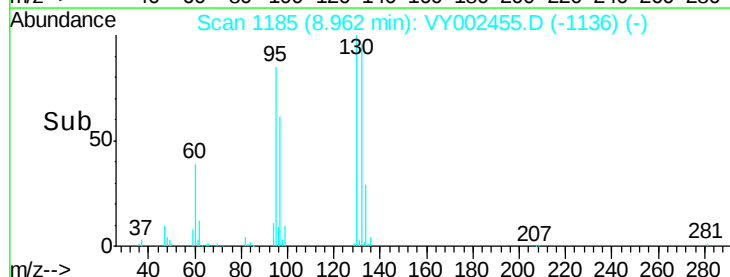
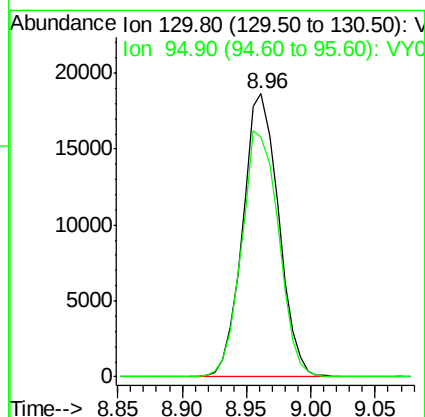
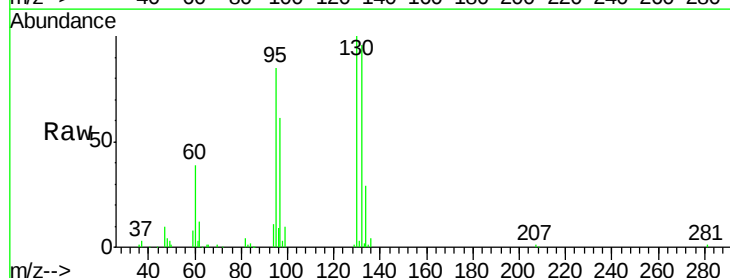
RT: 8.96 min Scan# 1185

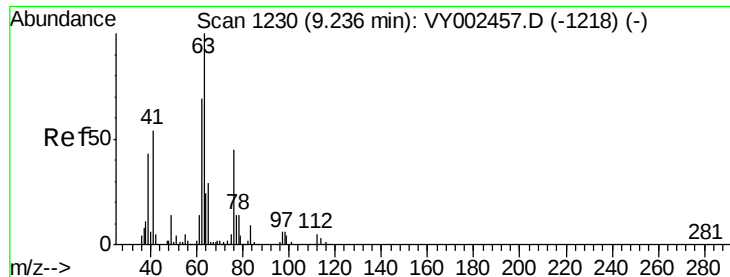
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	130	Resp:	35940
Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	184.2





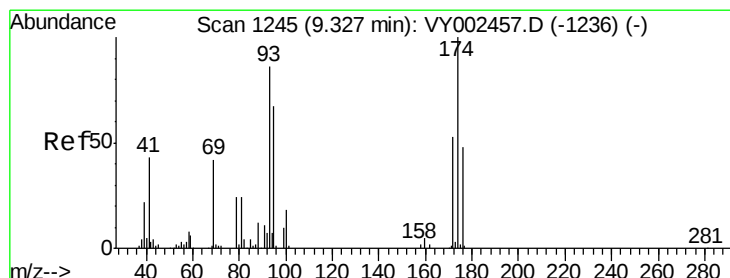
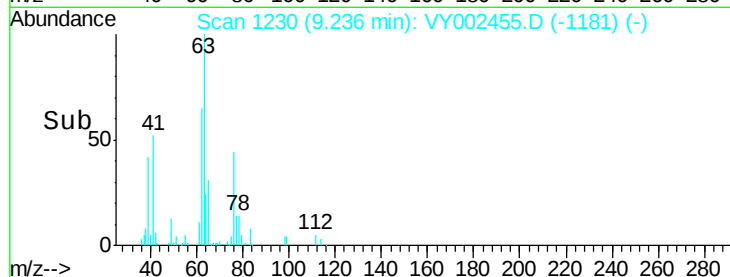
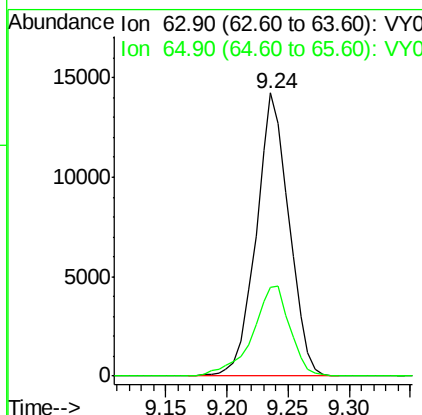
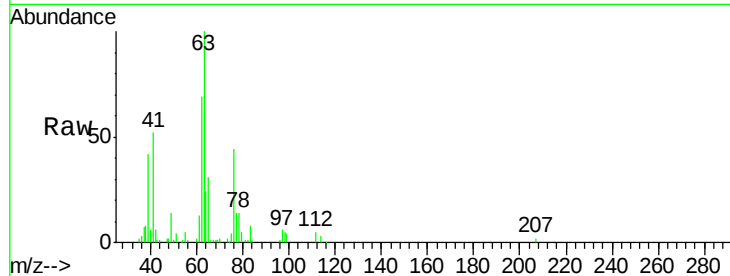
#45
 1,2-Dichloropropane
 Concen: 9.864 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.4	35.0

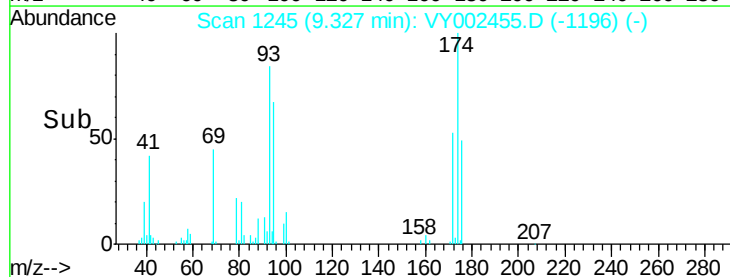
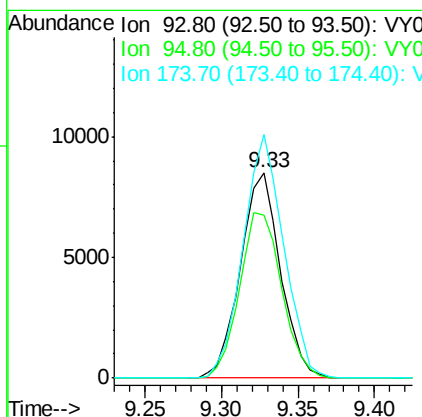
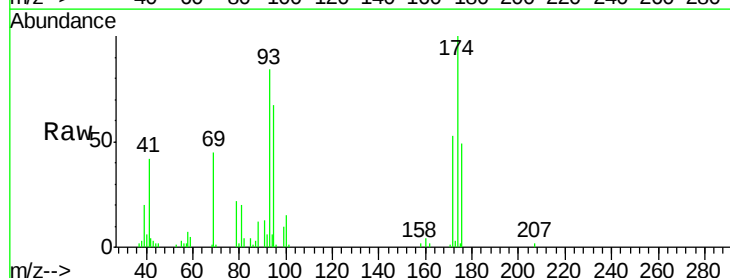
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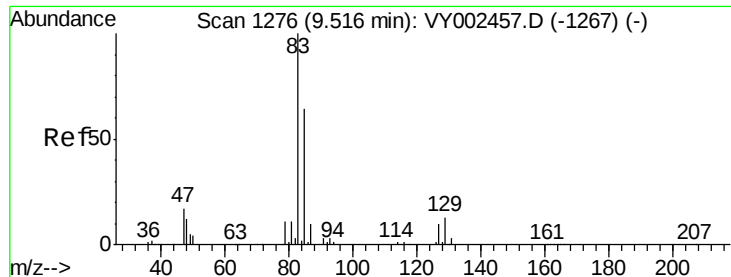
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#46
 Dibromomethane
 Concen: 9.918 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.4	98.0
174	119.6	94.8	142.2





#47

Bromodichloromethane

Concen: 10.122 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

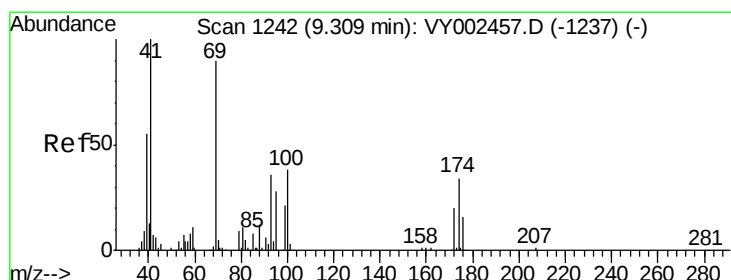
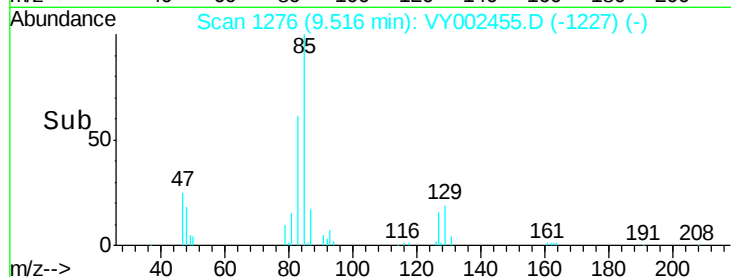
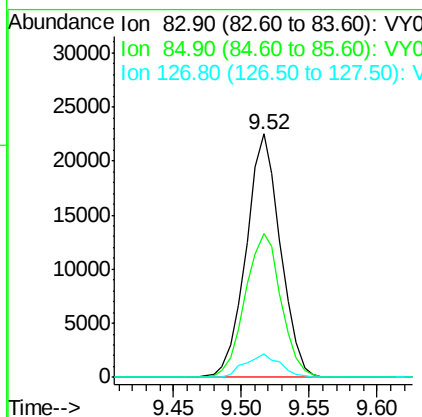
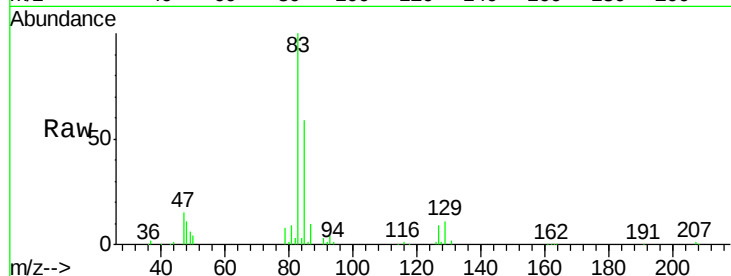
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	39677
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.2	76.8
127	9.5	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.068 ug/l

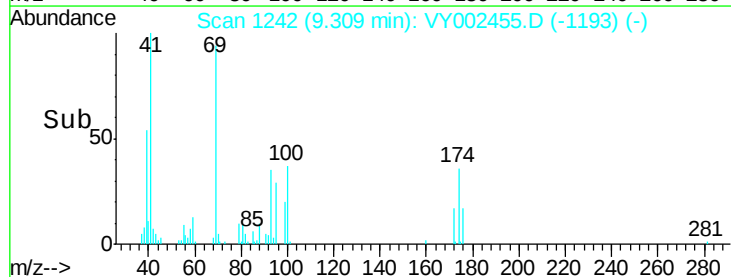
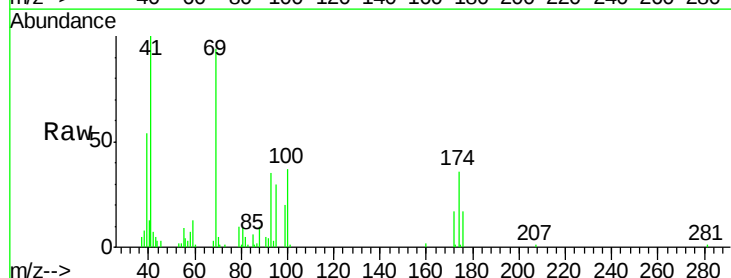
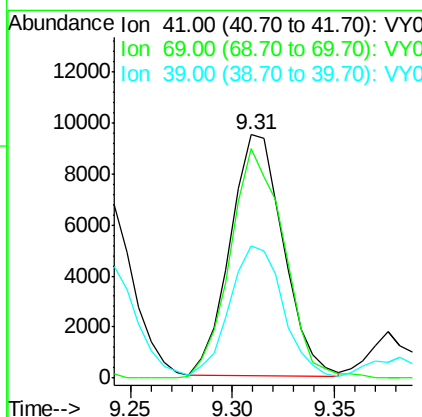
RT: 9.31 min Scan# 1242

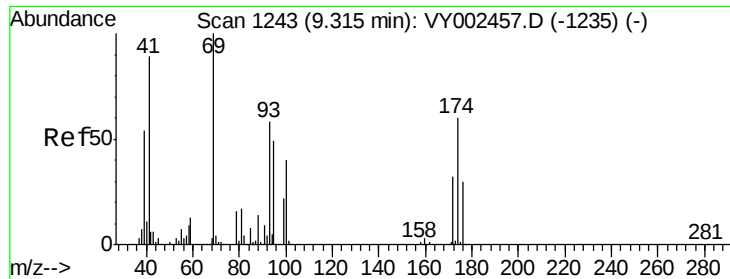
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	41	Resp:	17083
Ion	Ratio	Lower	Upper
41	100		
69	96.5	77.9	116.9
39	55.7	47.9	71.9





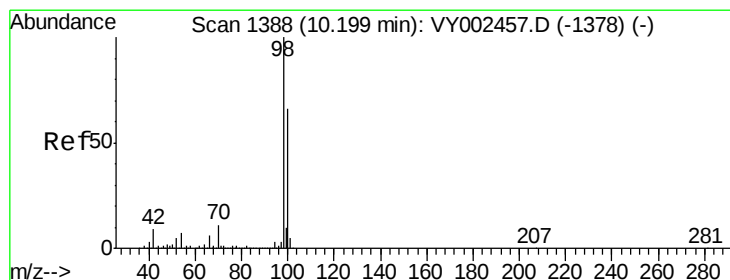
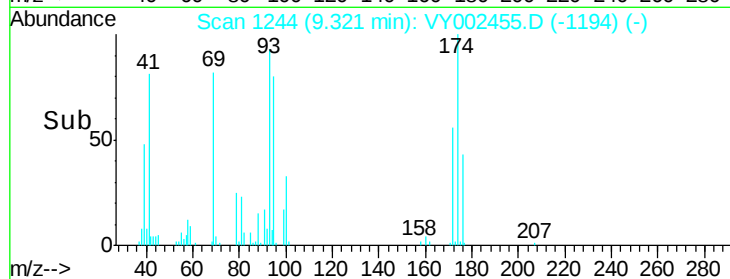
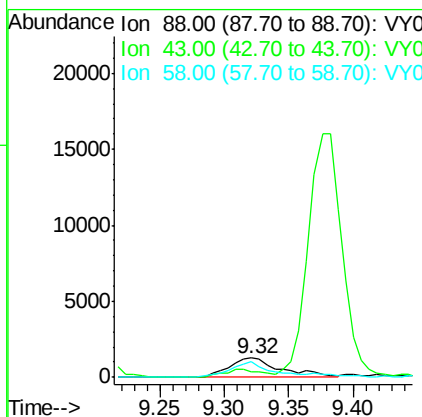
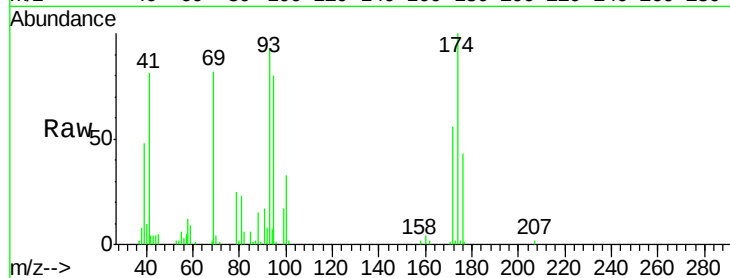
#49
1,4-Dioxane
Concen: 184.200 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.9	34.3
58	60.0	49.5	74.3

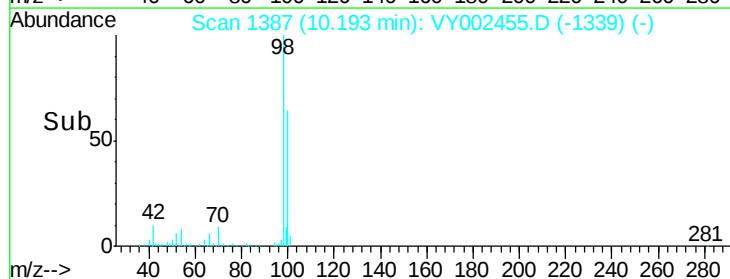
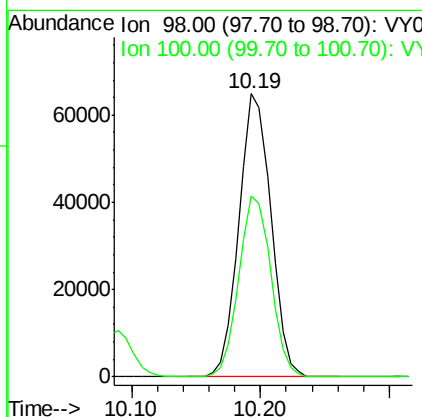
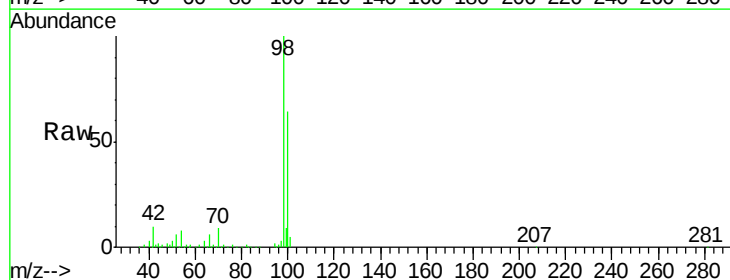
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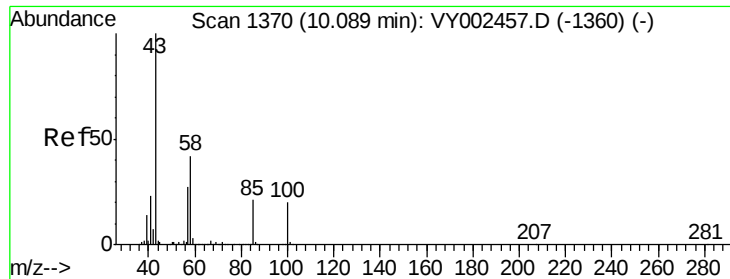
MMDadoda
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#50
Toluene-d8
Concen: 10.391 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





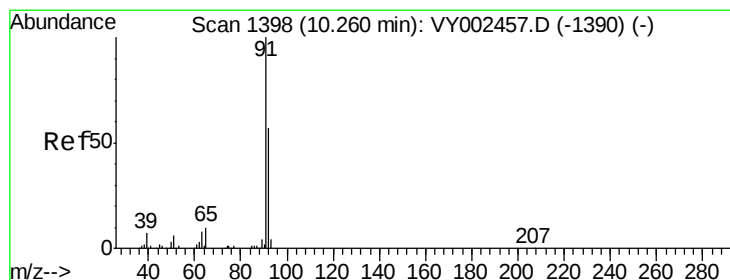
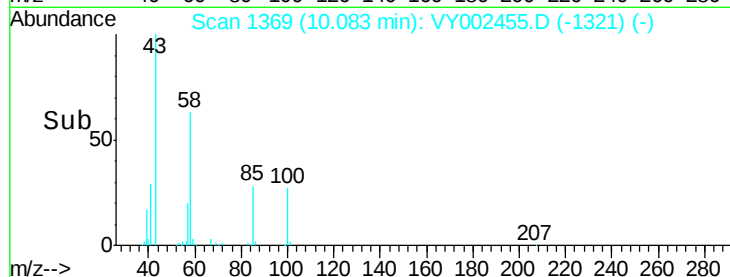
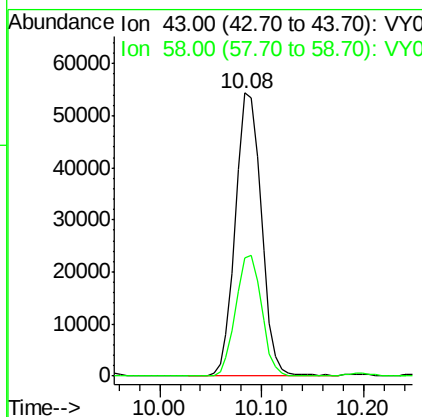
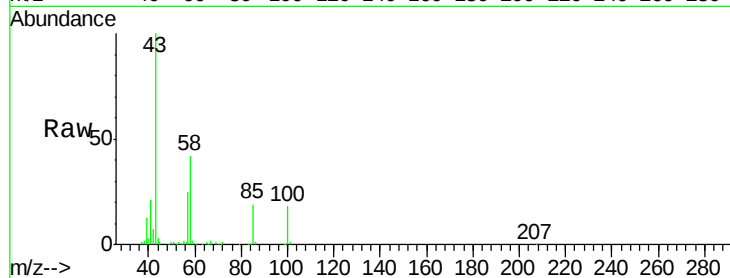
#51
4-Methyl-2-Pentanone
Concen: 49.822 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	33.2	49.8

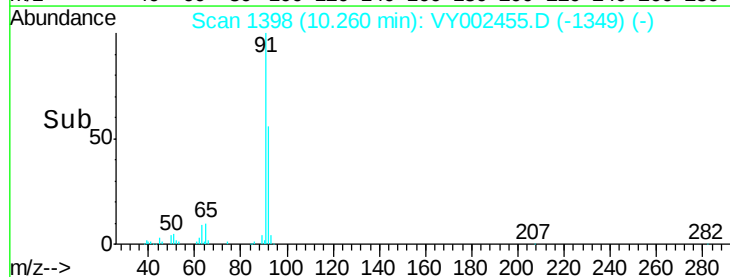
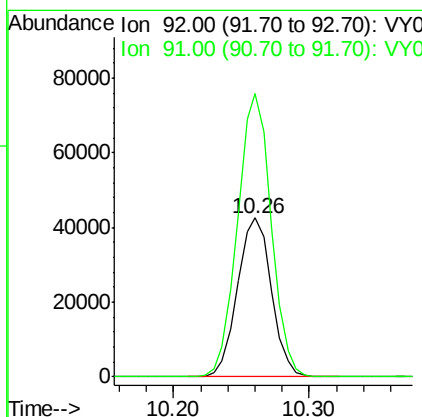
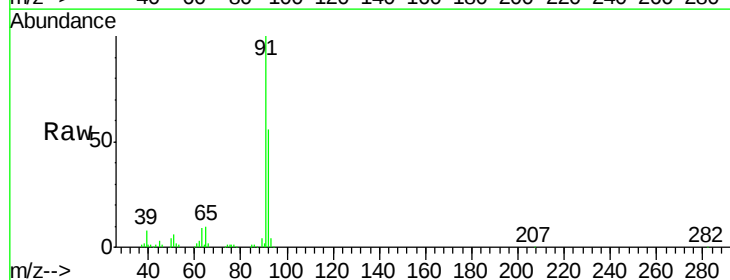
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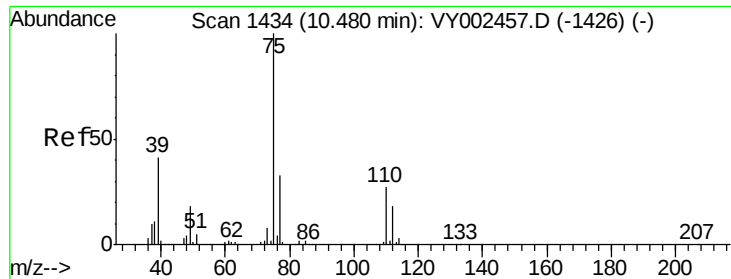
MMDadoda
4/24/2020 1:33:24 PM



#52
Toluene
Concen: 9.874 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.3	140.2	210.2





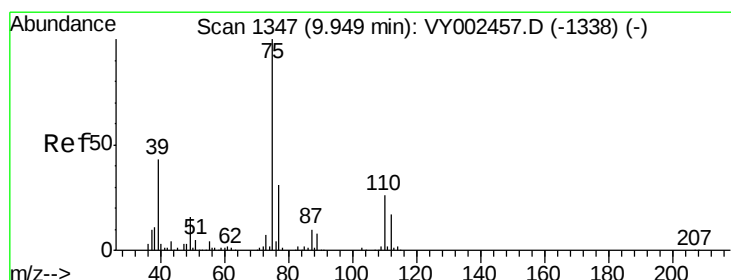
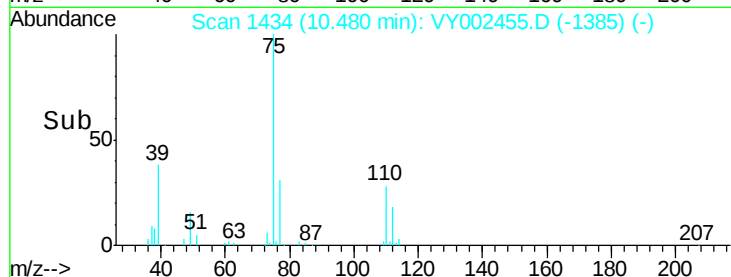
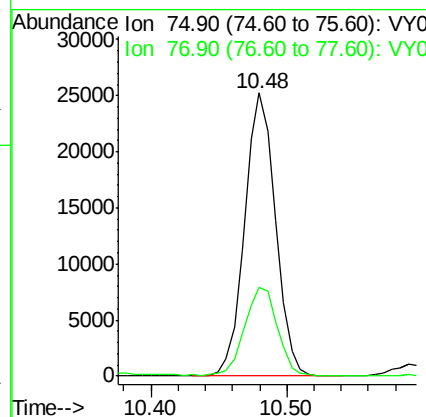
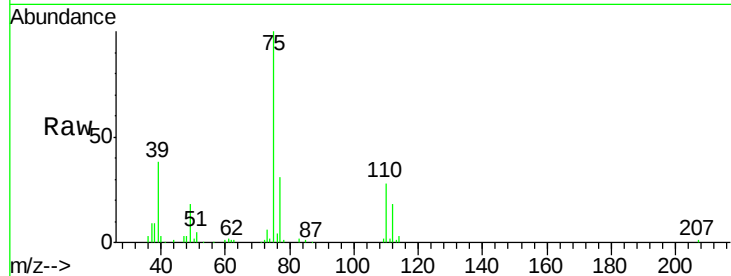
#53
t-1,3-Dichloropropene
Concen: 9.814 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.4	39.6

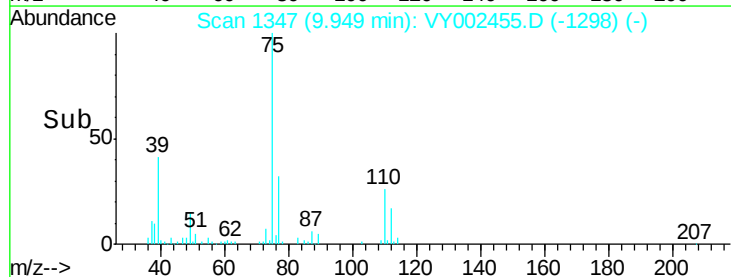
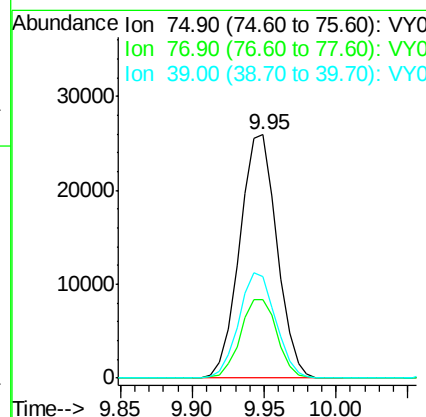
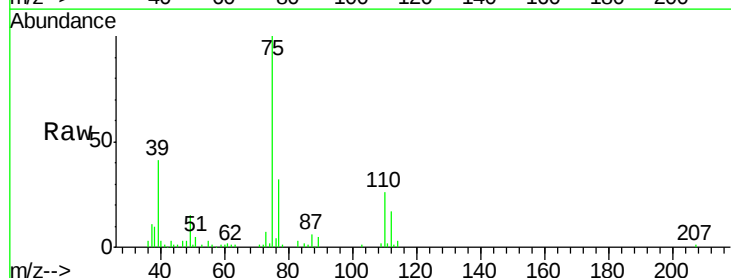
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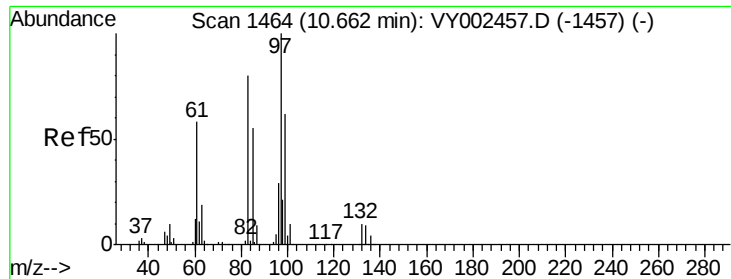
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4/24/2020 1:33:24 PM



#54
cis-1,3-Dichloropropene
Concen: 9.903 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.2	37.8
39	41.5	34.2	51.2





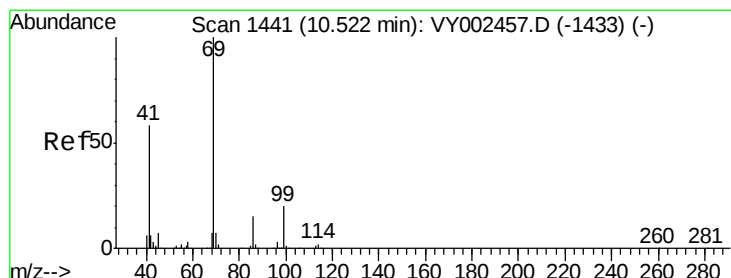
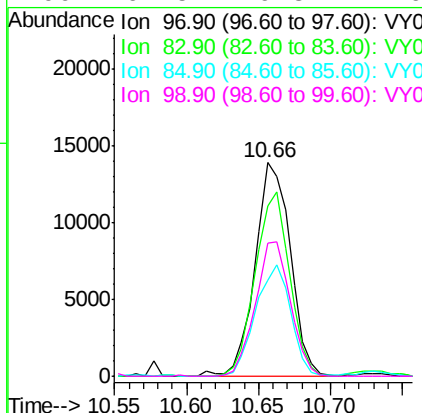
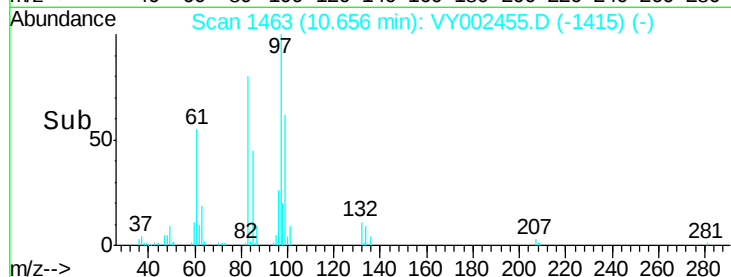
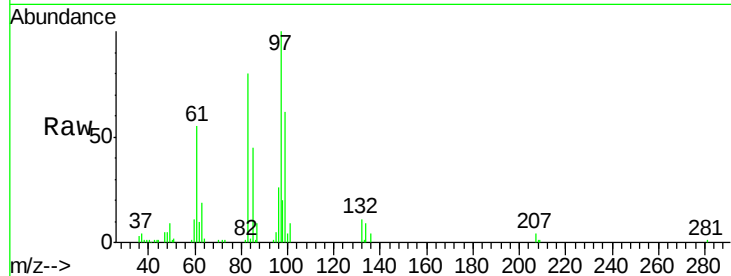
#55
 1,1,2-Trichloroethane
 Concen: 10.159 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	23529
Ion	Ratio	Lower	Upper
97	100		
83	79.8	63.8	95.8
85	44.8	43.9	65.9
99	62.5	49.8	74.6

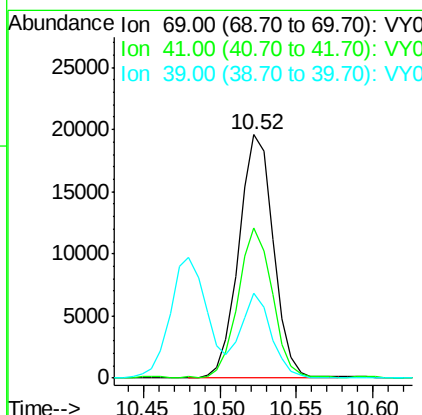
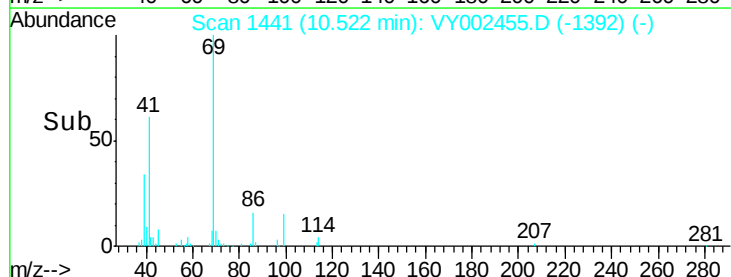
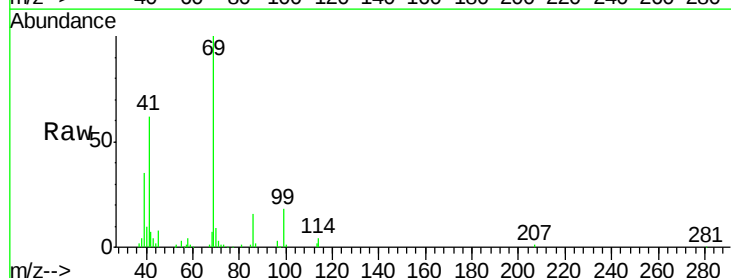
Manual Integrations
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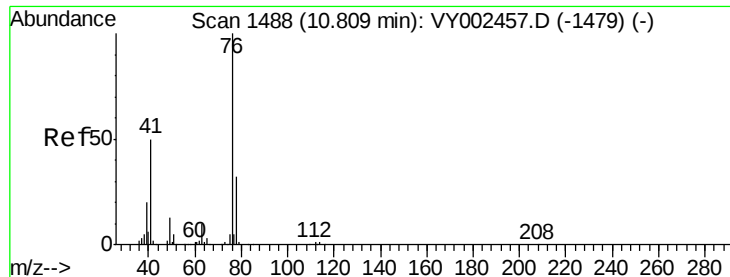
MMDadoda
 4/24/2020 1:33:24 PM



#56
 Ethyl methacrylate
 Concen: 9.842 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion:	69	Resp:	30819
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.5	71.3
39	30.7	25.7	38.5





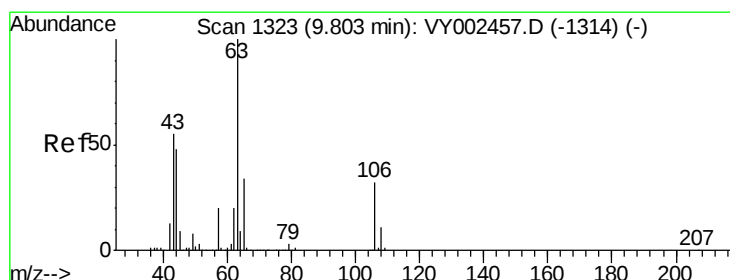
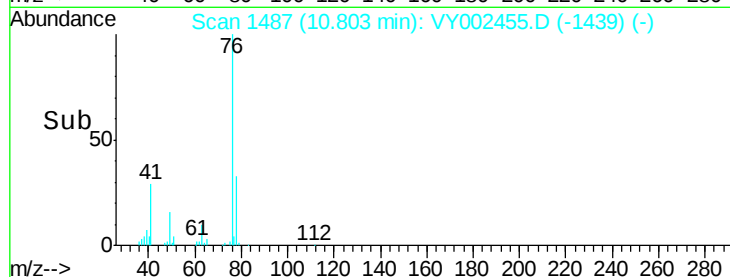
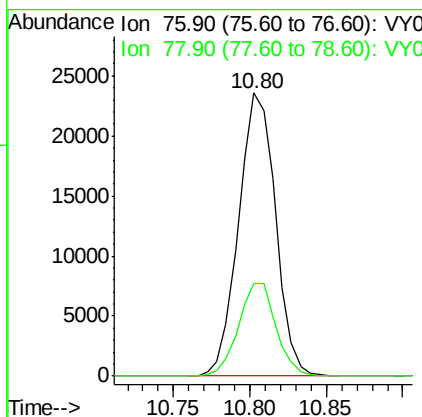
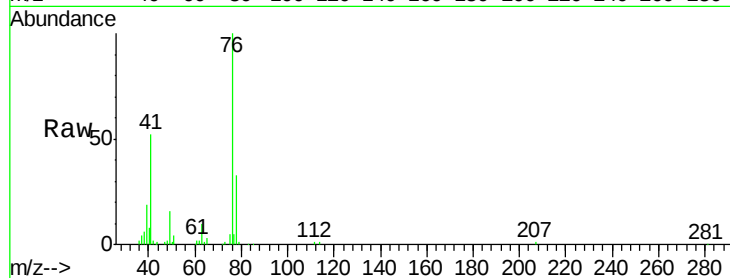
#57
 1,3-Dichloropropane
 Concen: 10.105 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

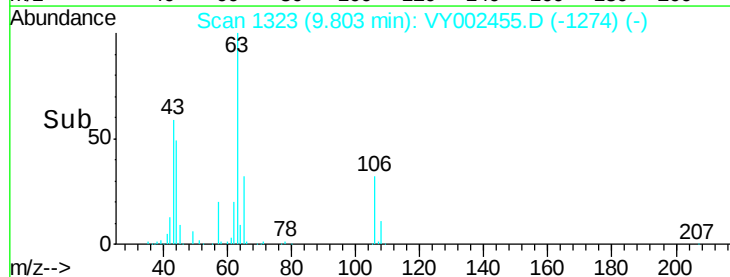
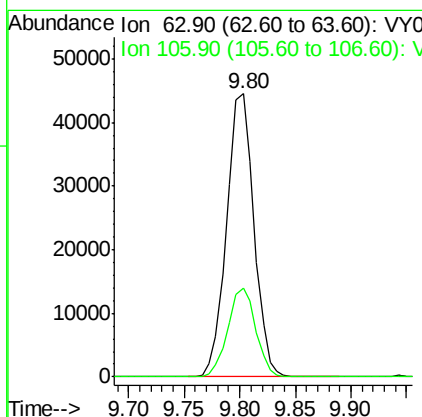
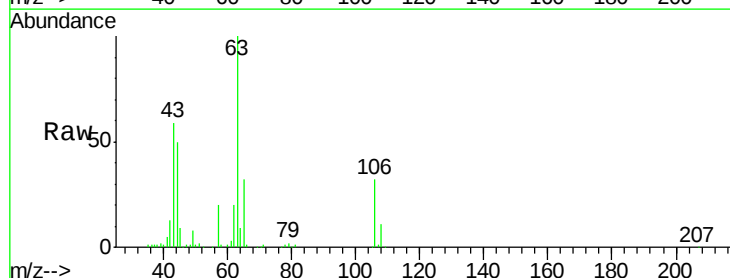
Manual Integrations
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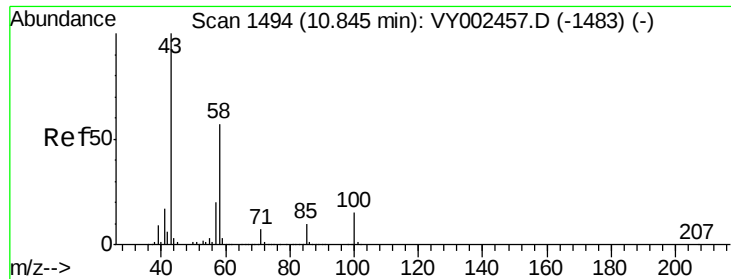
MMDadoda
 4/24/2020 1:33:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.427 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	26.0	39.0





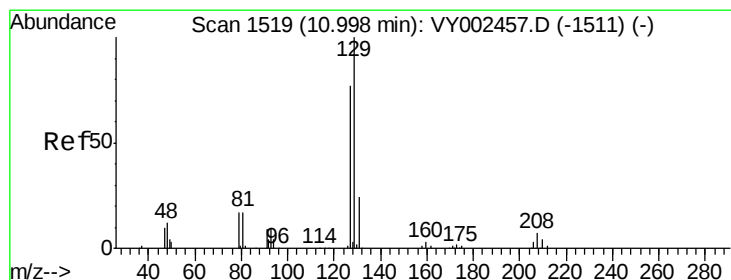
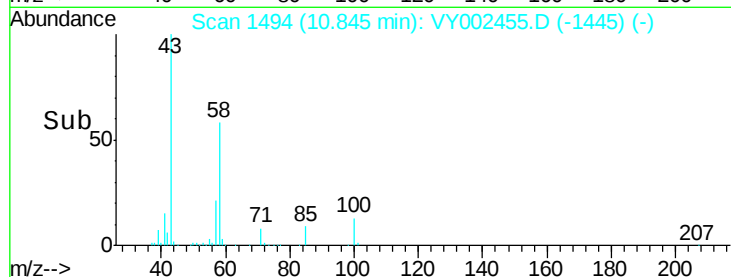
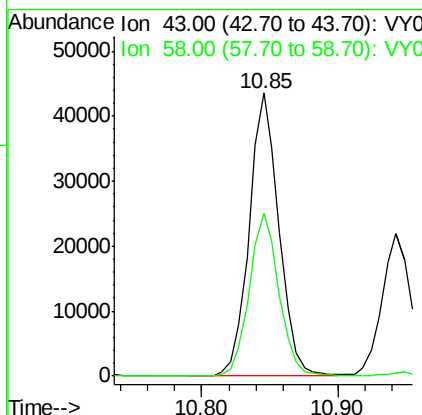
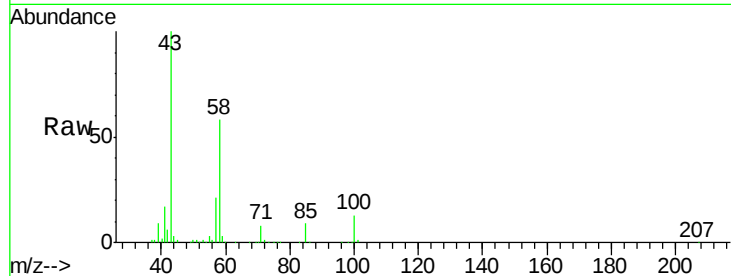
#59
2-Hexanone
Concen: 49.868 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 66589
Ion Ratio Lower Upper
43 100
58 57.6 28.8 86.4

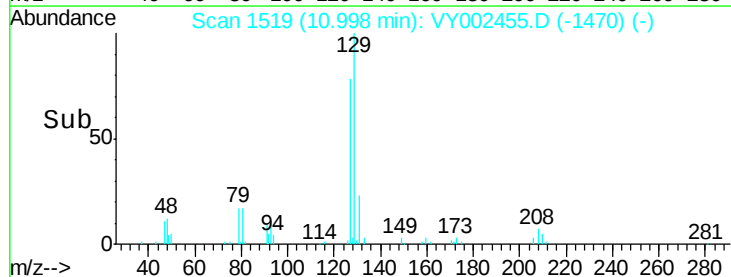
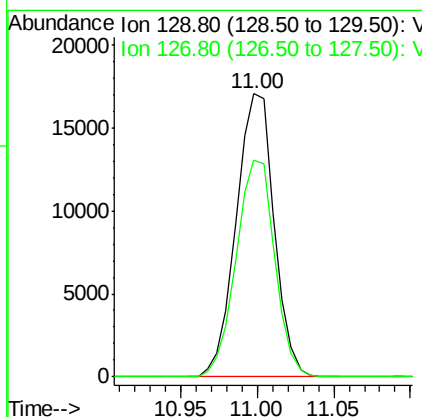
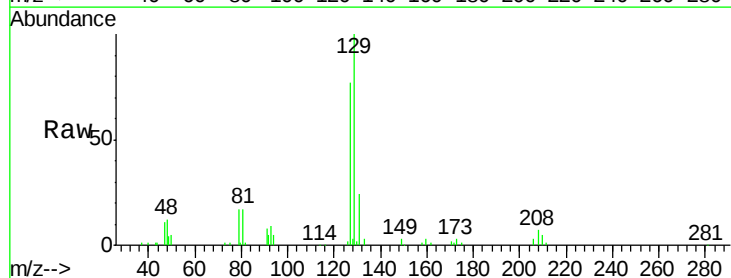
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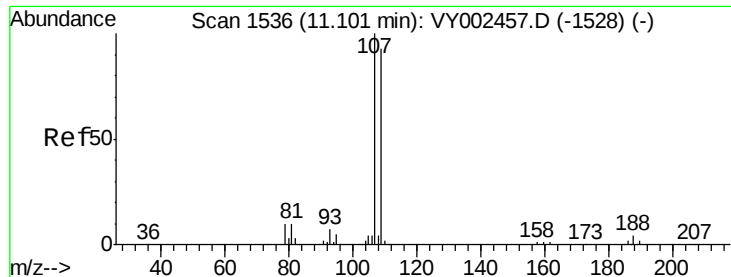
MMDadoda
4/24/2020 1:33:24 PM



#60
Dibromochloromethane
Concen: 9.752 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion: 129 Resp: 29432
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 9.914 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 22718

Ion Ratio Lower Upper

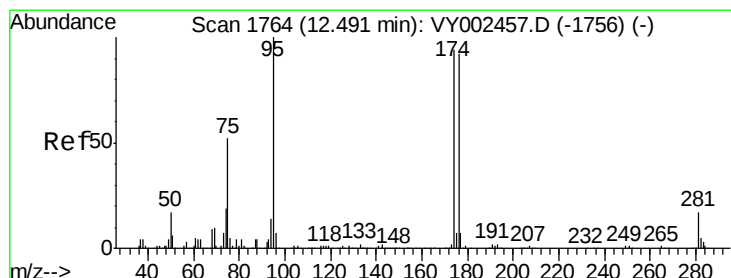
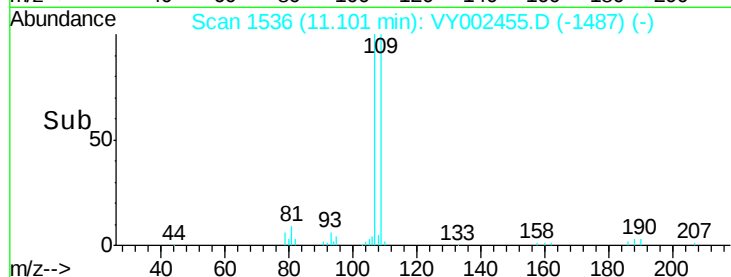
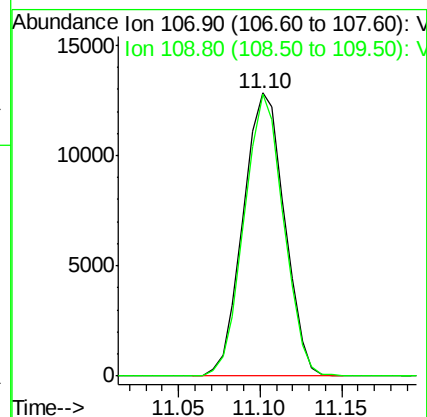
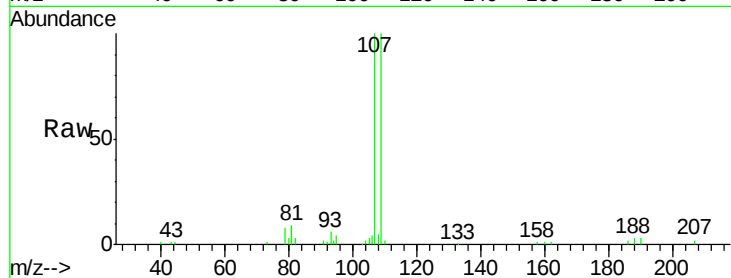
107 100

109 94.8 74.9 112.3

Manual Integrations
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MMDadoda

4/24/2020 1:33:24 PM



#62

4-Bromofluorobenzene

Concen: 10.399 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

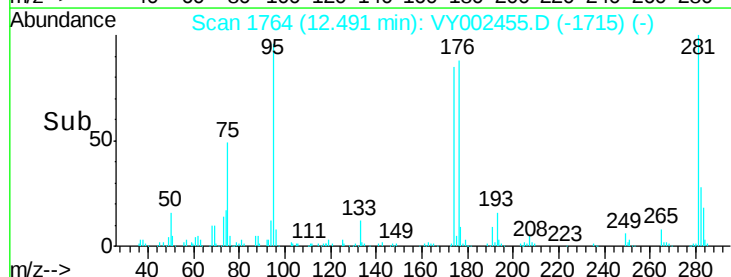
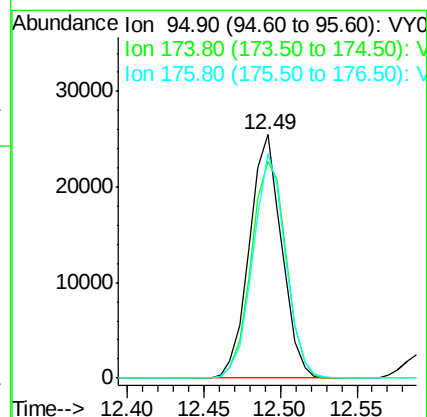
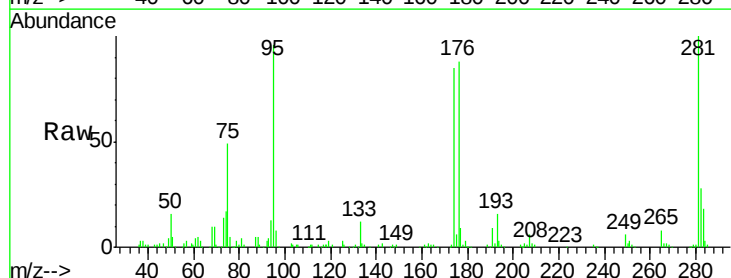
Tgt Ion: 95 Resp: 37467

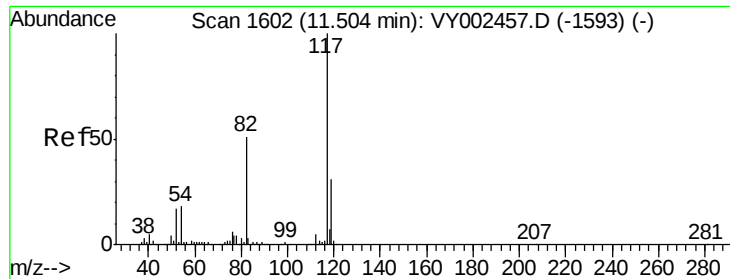
Ion Ratio Lower Upper

95 100

174 96.1 0.0 193.0

176 92.6 0.0 190.4





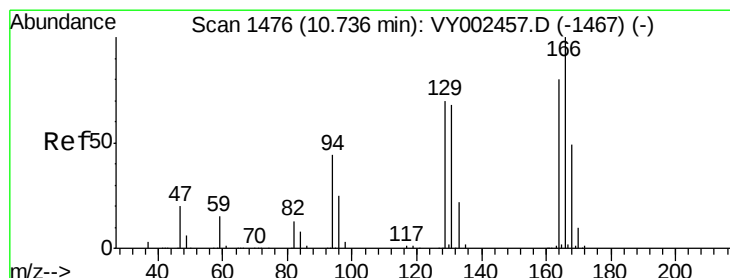
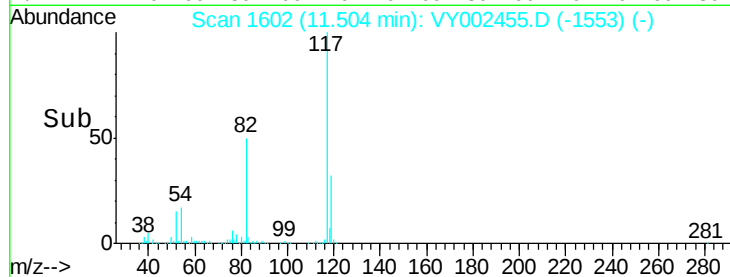
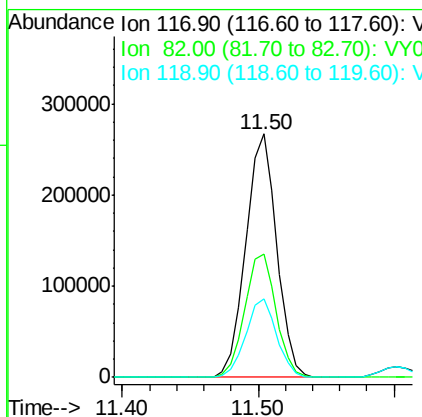
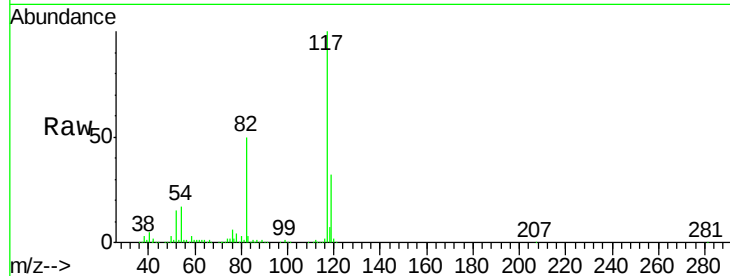
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	40.8	61.2
119	32.2	25.2	37.8

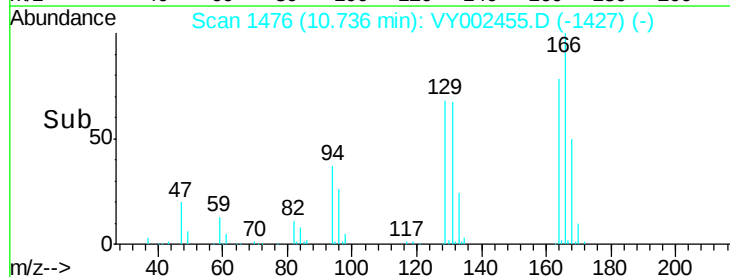
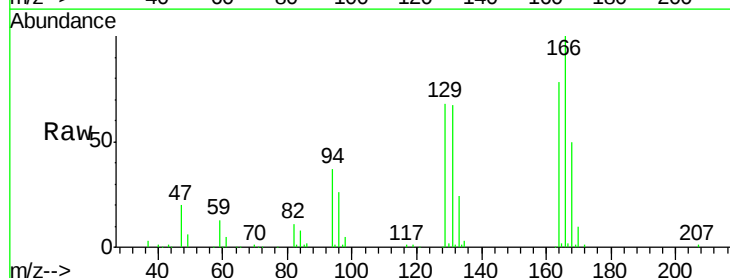
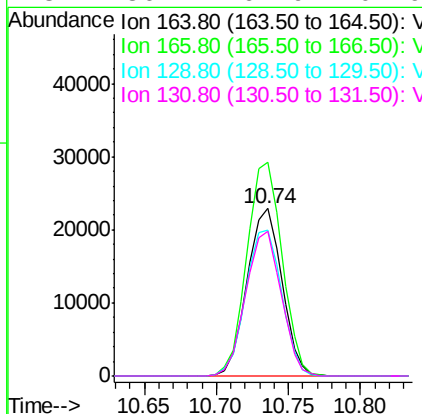
Manual Integrations
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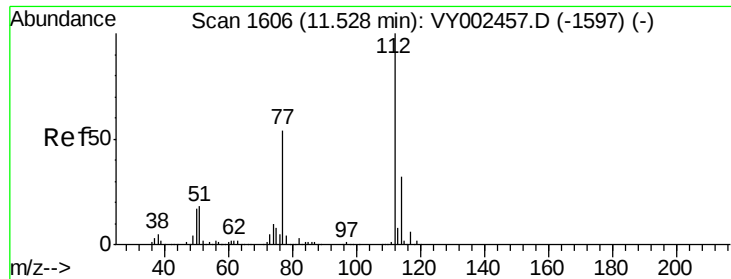
MMDadoda
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#64
Tetrachloroethene
Concen: 9.826 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	100.0	150.0
129	87.4	69.8	104.8
131	86.1	67.9	101.9





#65

Chlorobenzene

Concen: 9.951 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 81361

Ion Ratio Lower Upper

112 100

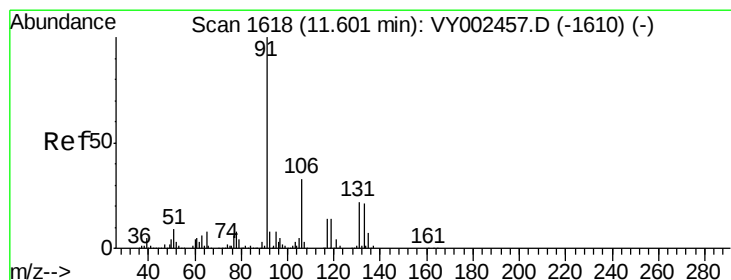
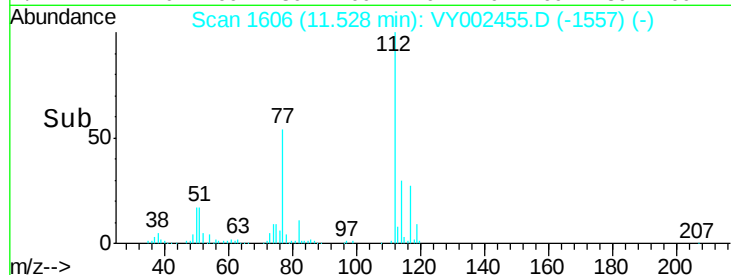
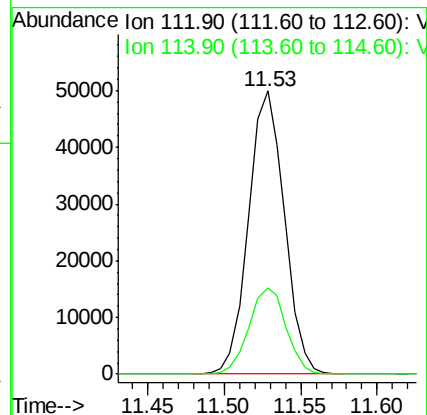
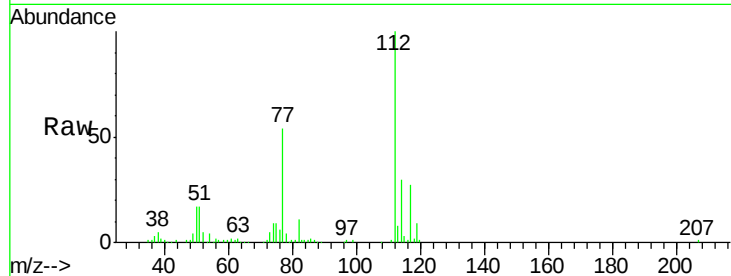
114 30.5 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 10.038 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

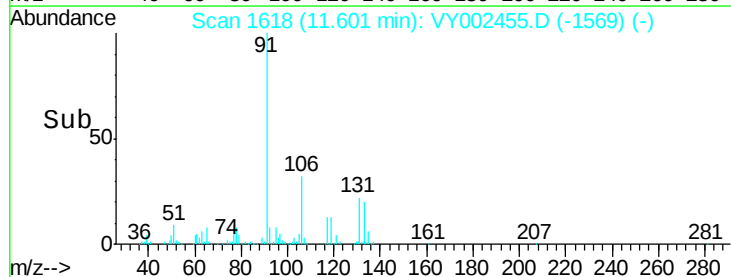
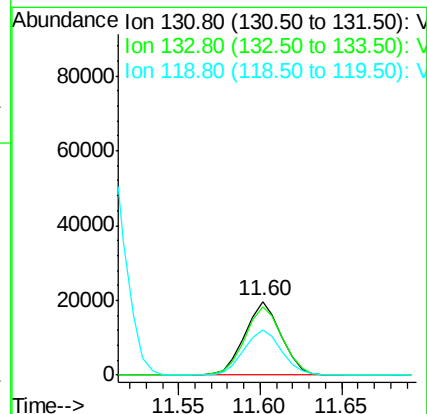
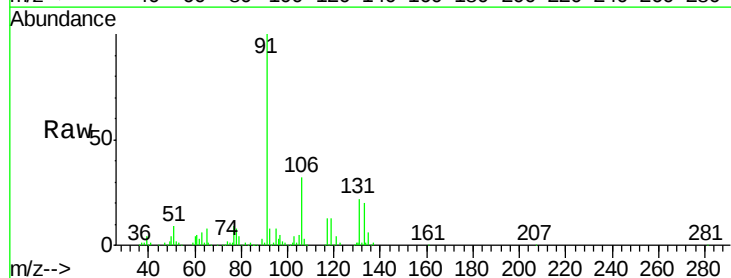
Tgt Ion:131 Resp: 30618

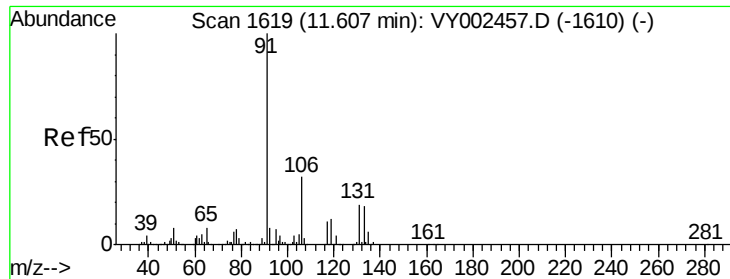
Ion Ratio Lower Upper

131 100

133 96.2 47.8 143.4

119 64.1 31.1 93.3





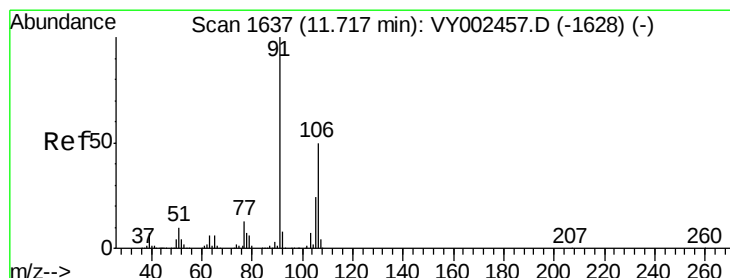
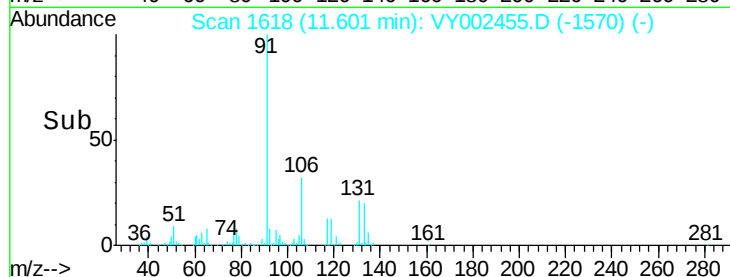
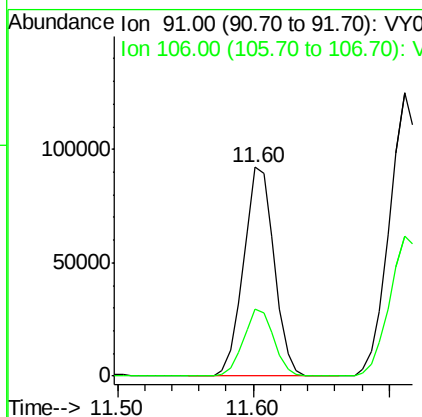
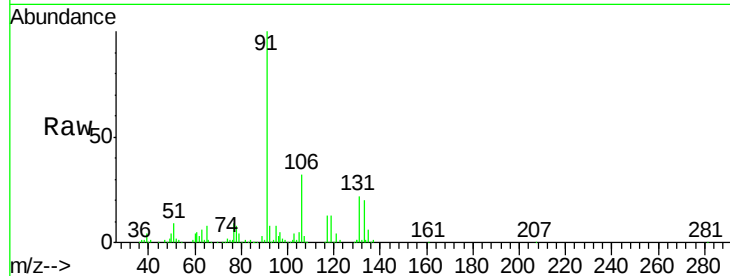
#67
Ethyl Benzene
Concen: 9.975 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 144688
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.6

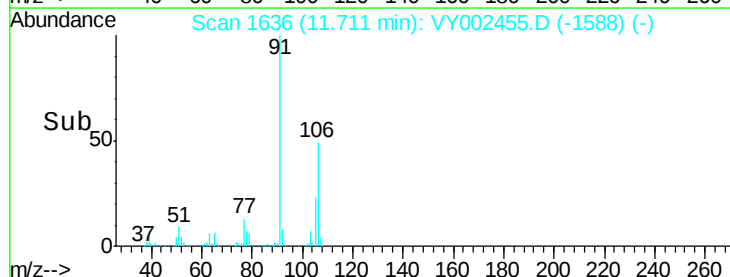
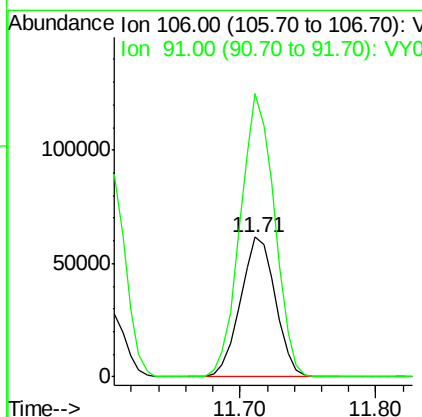
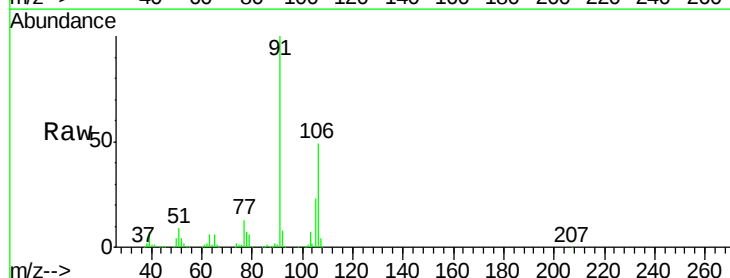
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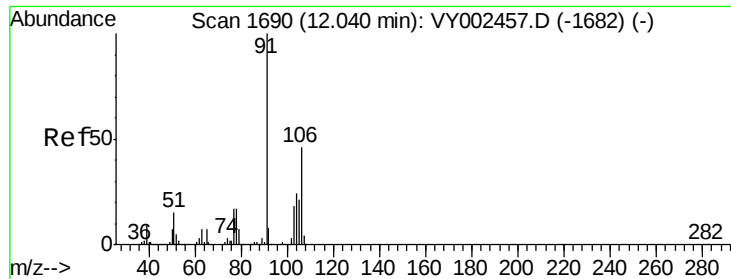
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#68
m/p-Xylenes
Concen: 19.791 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion: 106 Resp: 110590
Ion Ratio Lower Upper
106 100
91 198.8 159.8 239.6





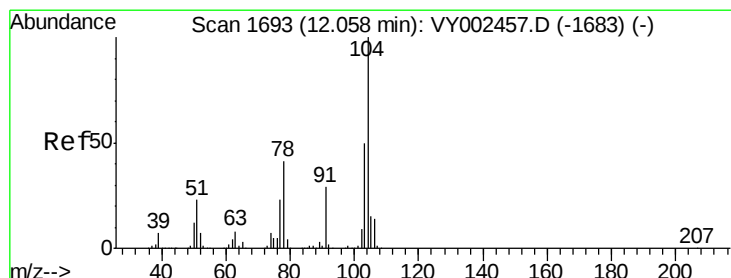
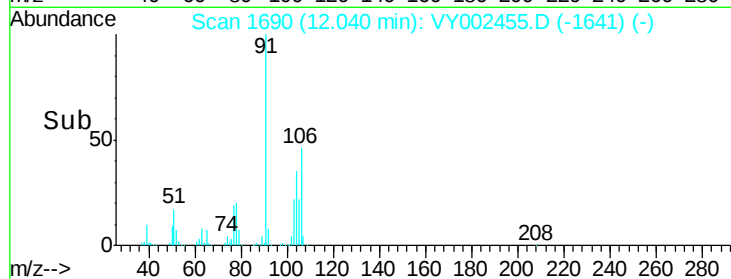
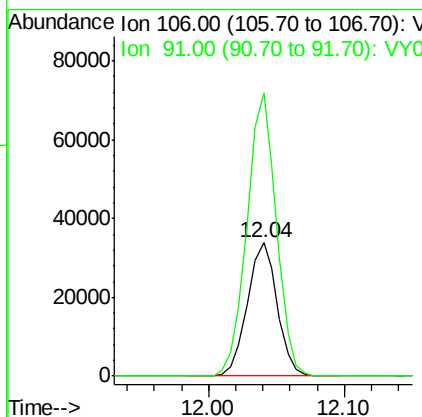
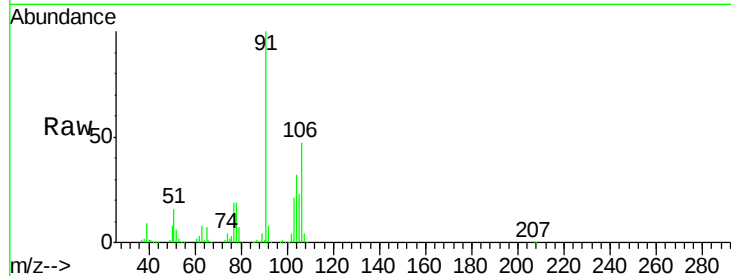
#69
o-Xylene
Concen: 9.934 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	209.0	104.5	313.3

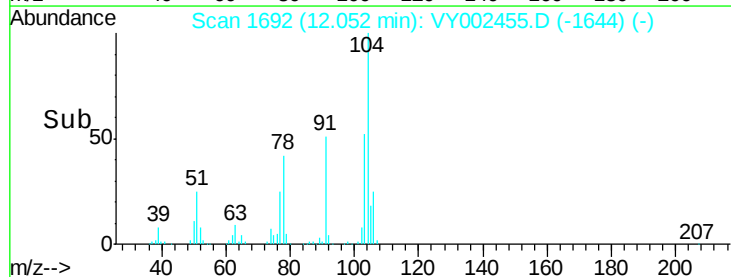
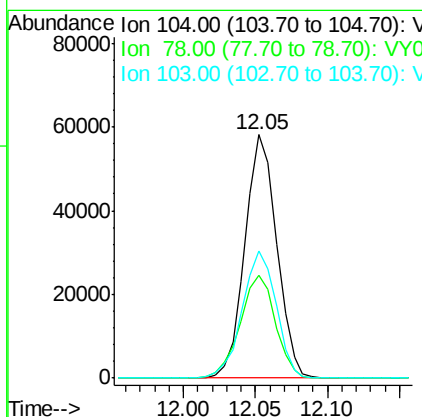
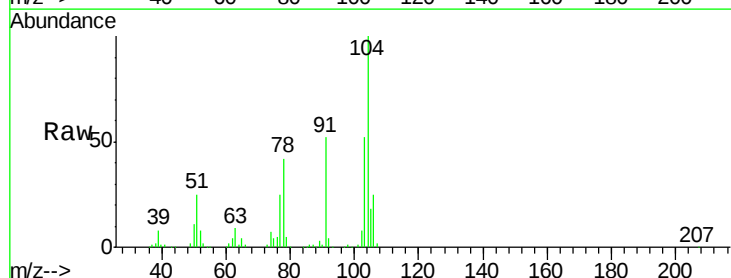
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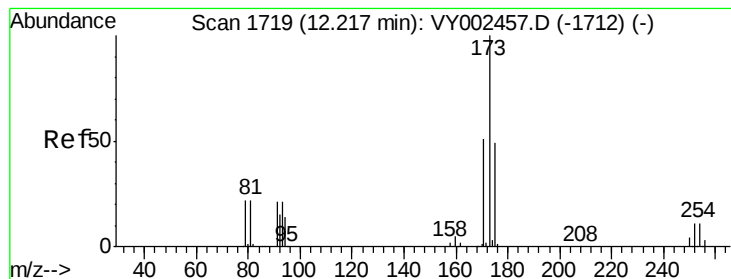
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#70
Styrene
Concen: 9.795 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	46.9	38.0	57.0
103	103	55.6	44.4	66.6





#71

Bromoform

Concen: 9.877 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

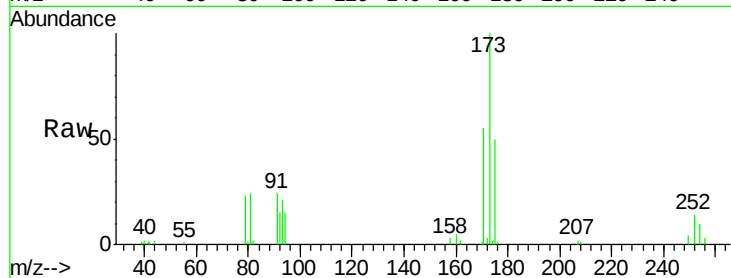
ClientSampleId :

VSTDIC010

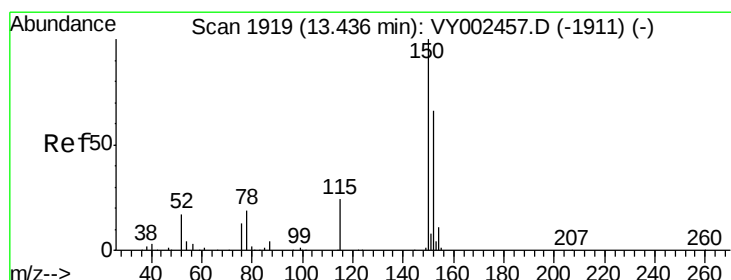
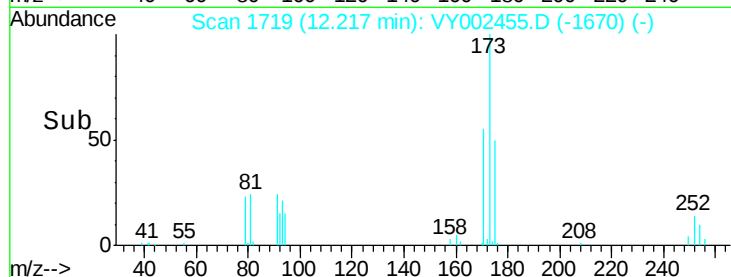
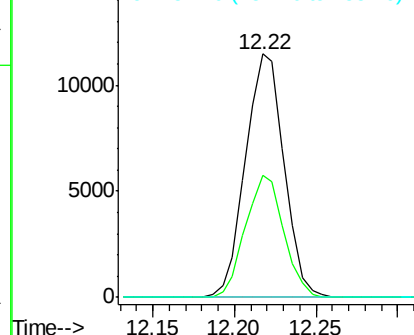
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.0	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

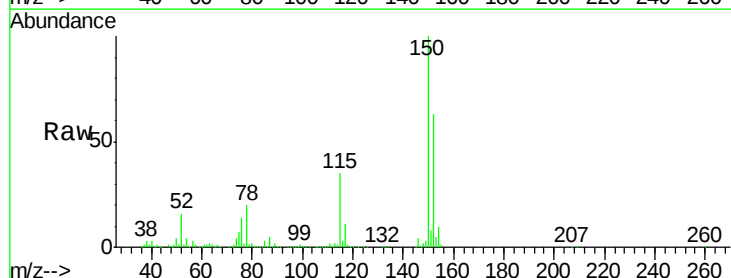
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

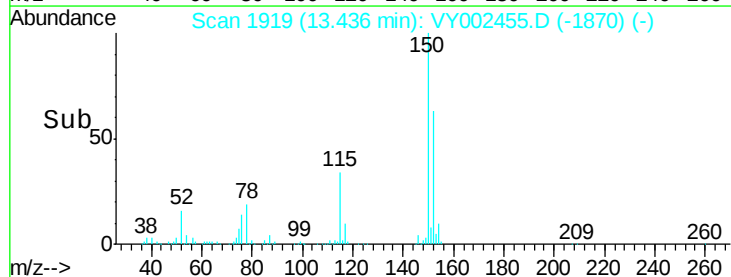
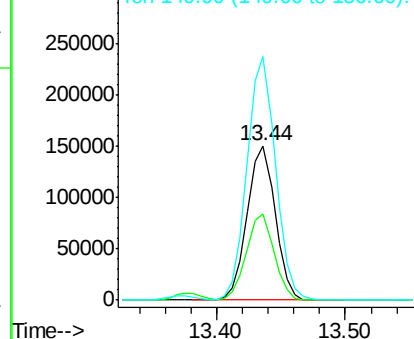
Lab File: VY002455.D

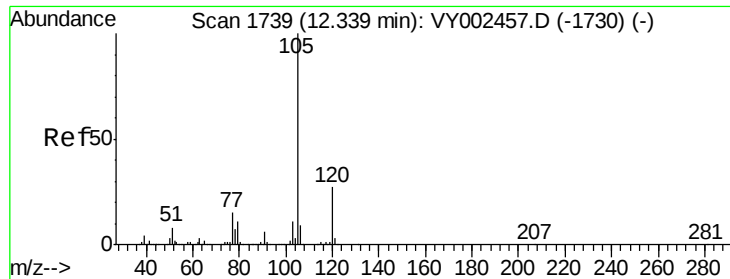
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.8
150	160.1	0.0	346.8



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





#73

Isopropylbenzene

Concen: 9.921 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 144617

Ion Ratio Lower Upper

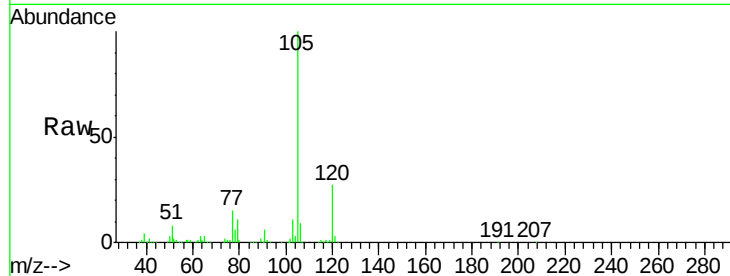
105 100

120 27.3 13.6 40.7

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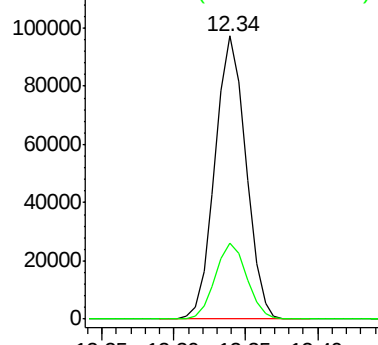
MMDadoda

4/24/2020 1:33:24 PM

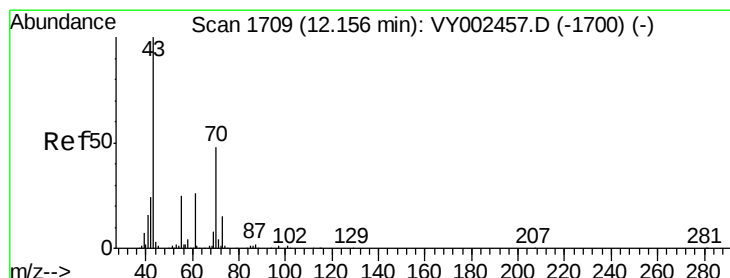
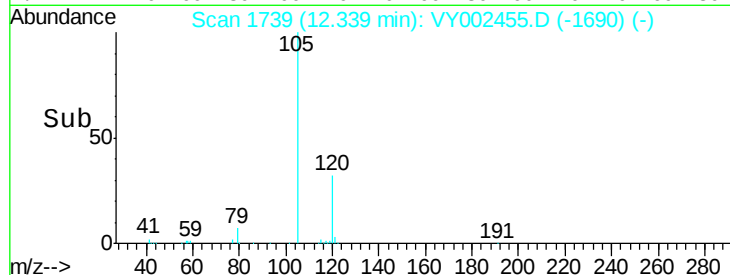


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 10.065 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion: 43 Resp: 34210

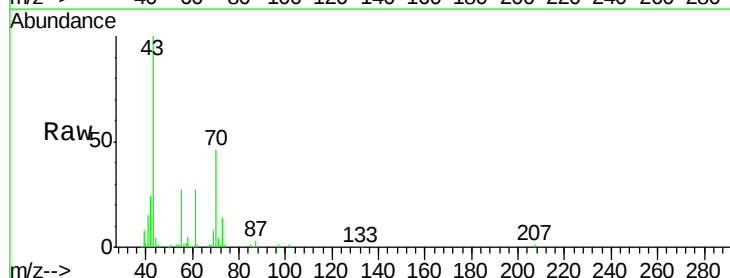
Ion Ratio Lower Upper

43 100

70 47.2 37.2 55.8

55 25.6 19.6 29.4

61 25.9 20.7 31.1

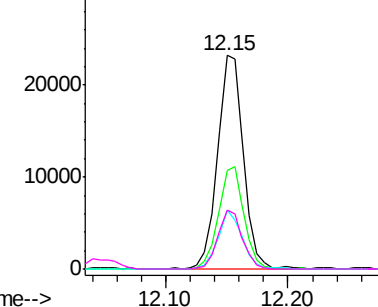


Abundance Ion 43.00 (42.70 to 43.70): VY0

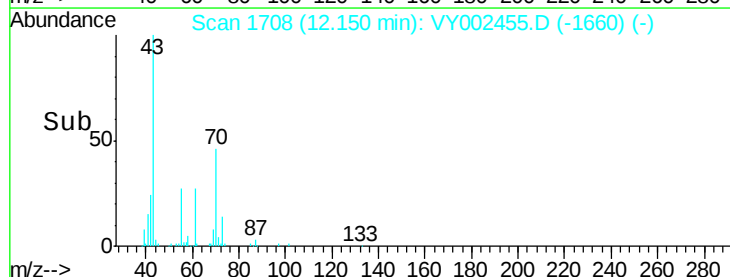
Ion 70.00 (69.70 to 70.70): VY0

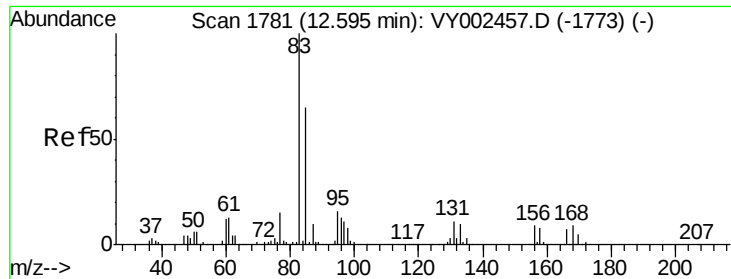
Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 10.203 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

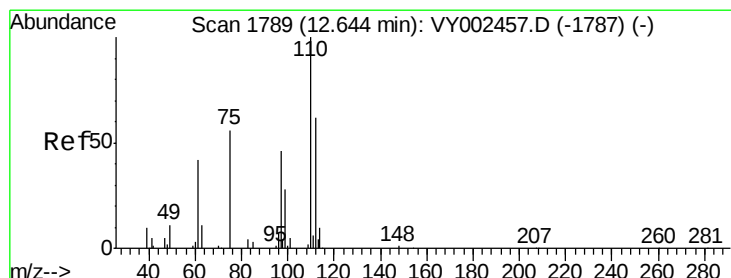
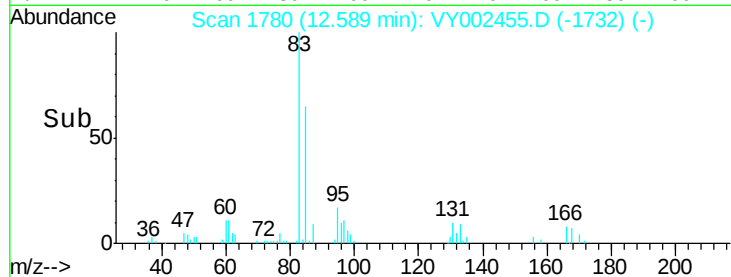
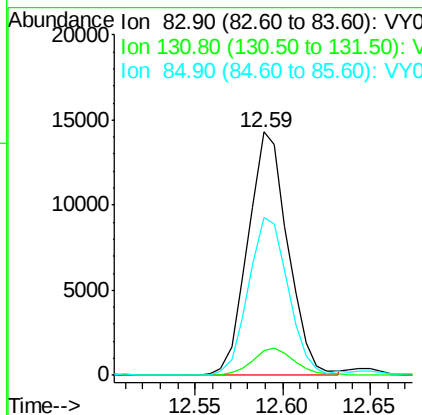
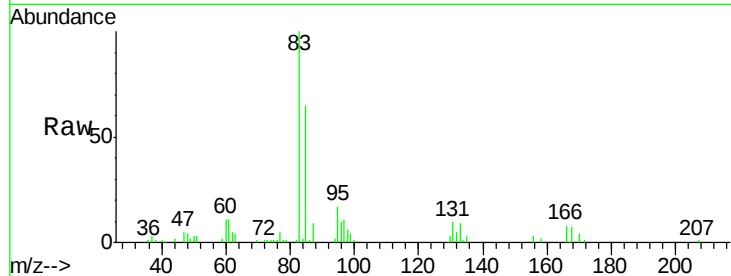
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	22663
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.2	18.6
85	65.6	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.636 ug/l m

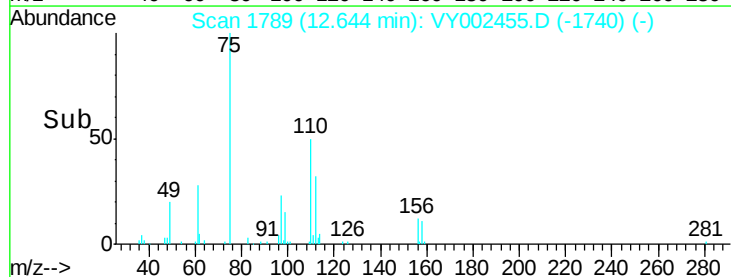
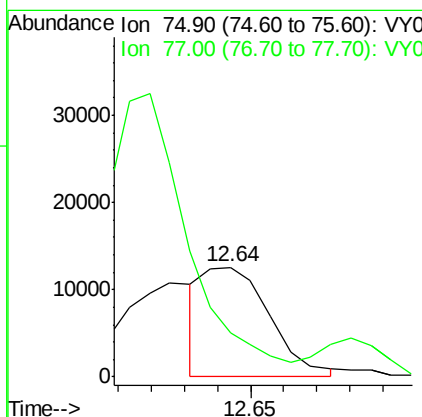
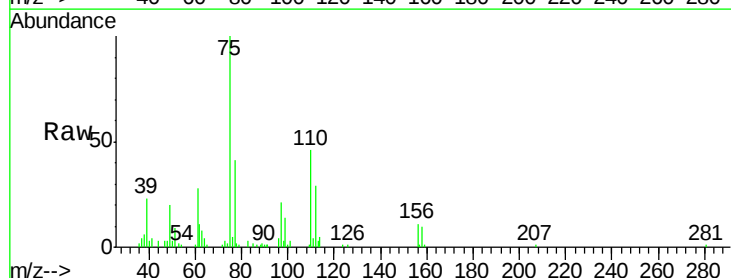
RT: 12.64 min Scan# 1789

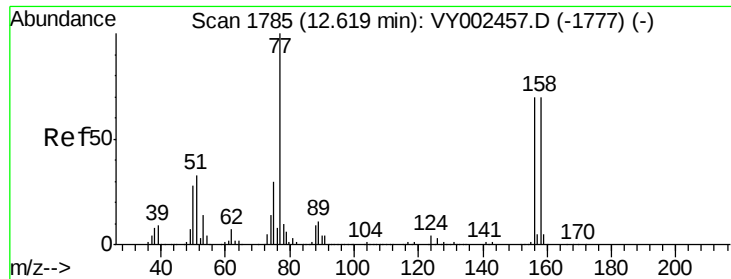
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	75	Resp:	17501
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.964 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 36448

Ion Ratio Lower Upper

156 100

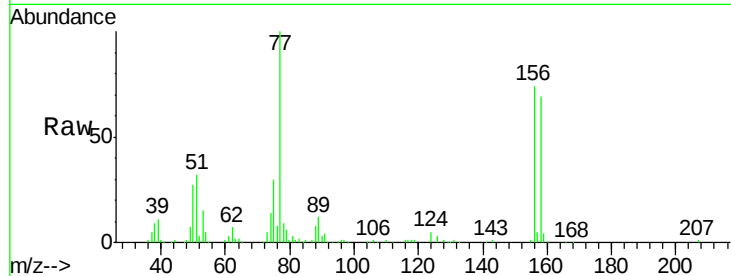
77 160.6 78.5 235.7

158 96.0 48.4 145.3

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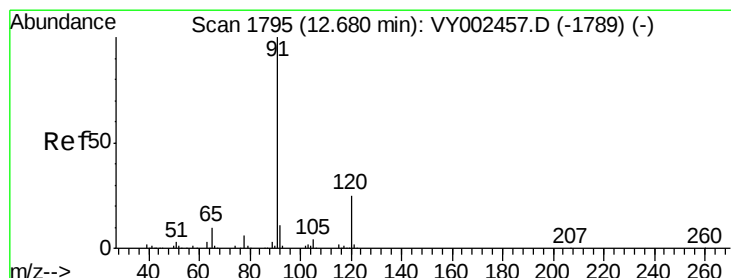
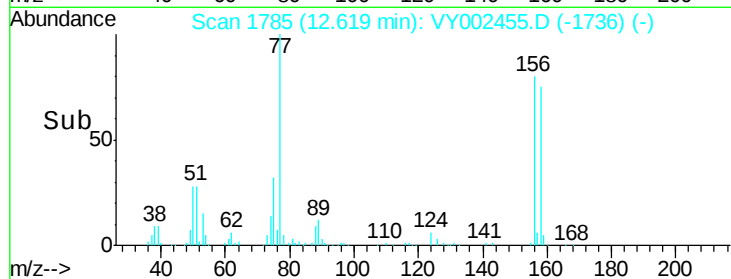
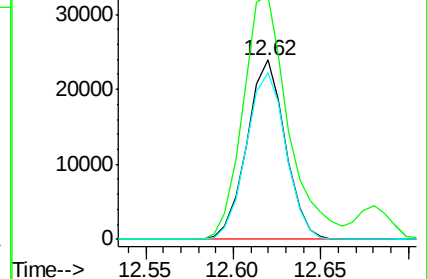
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.882 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002455.D

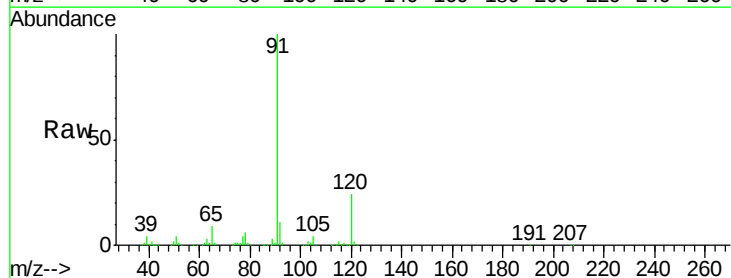
Acq: 23 Apr 2020 11:43

Tgt Ion: 91 Resp: 167690

Ion Ratio Lower Upper

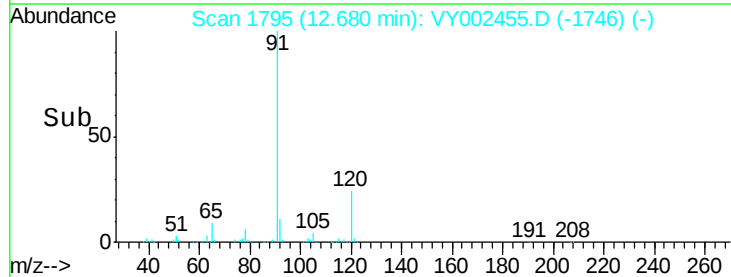
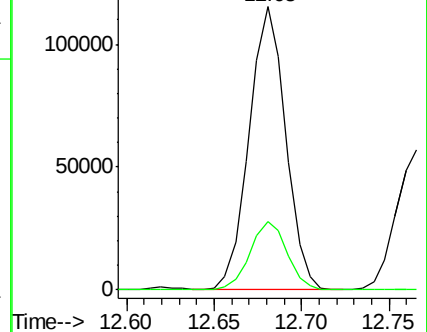
91 100

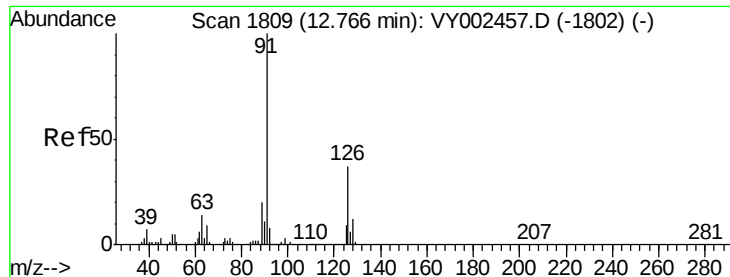
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.890 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 91574

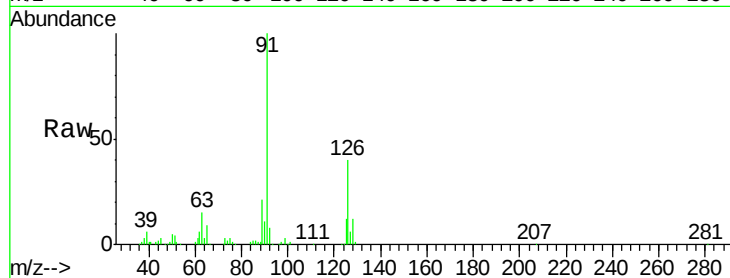
Ion Ratio Lower Upper

91 100

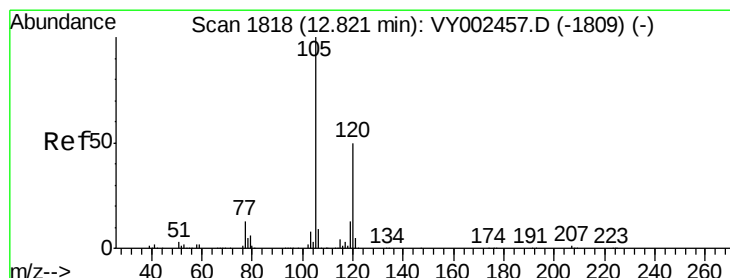
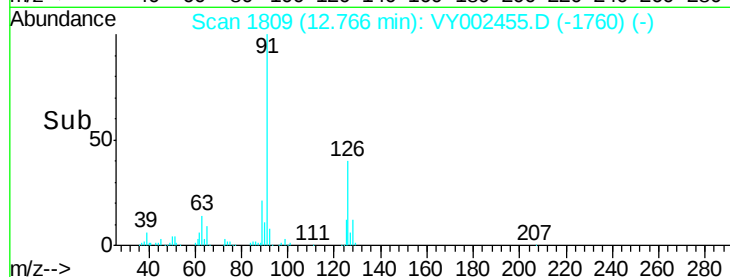
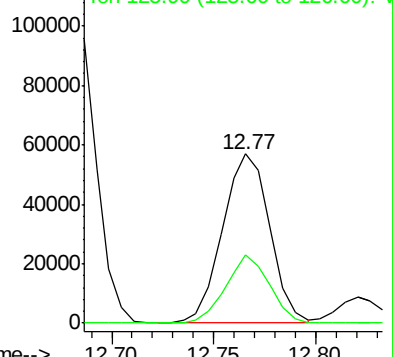
126 37.4 18.5 55.5

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



#80

1,3,5-Trimethylbenzene

Concen: 9.851 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002455.D

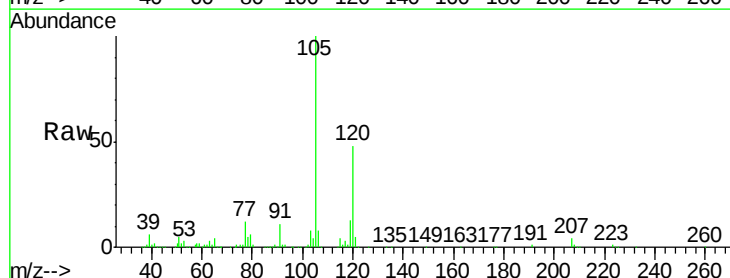
Acq: 23 Apr 2020 11:43

Tgt Ion: 105 Resp: 122295

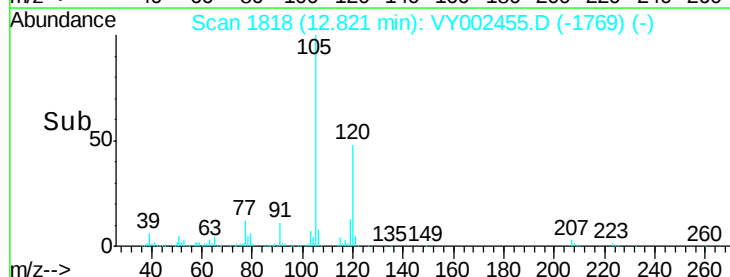
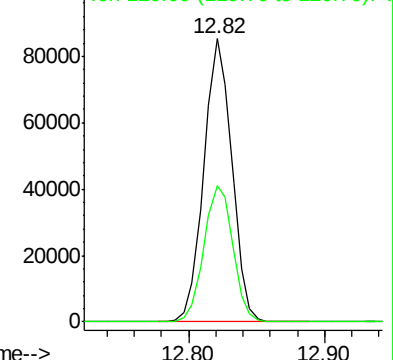
Ion Ratio Lower Upper

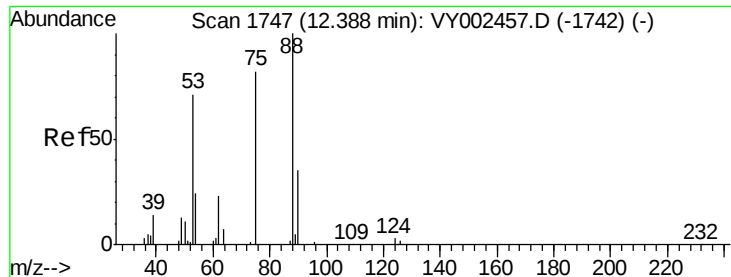
105 100

120 49.7 24.9 74.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 10.093 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

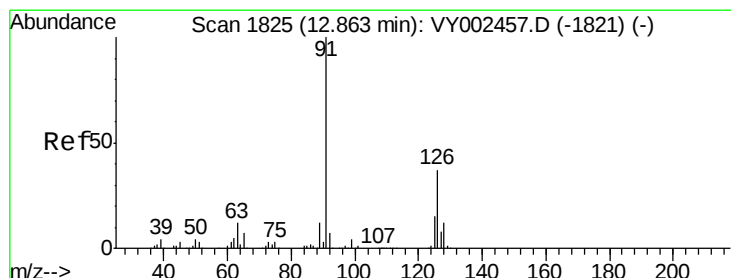
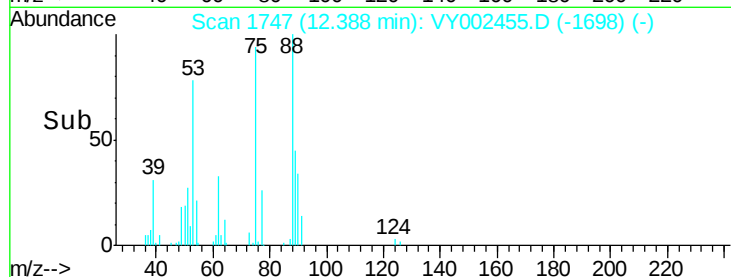
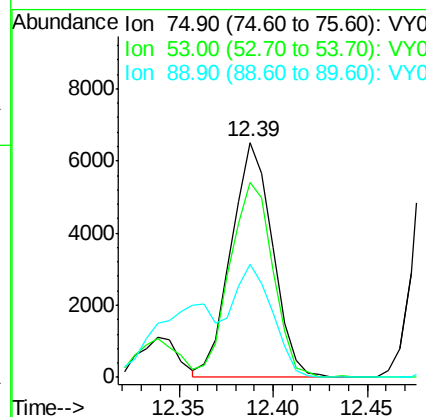
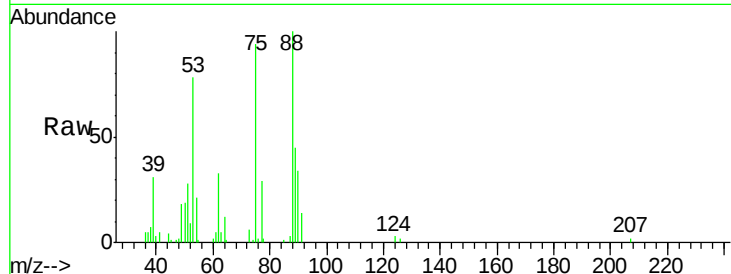
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	9975
Ion	Ratio	Lower	Upper
75	100		
53	85.8	70.0	105.0
89	46.8	34.9	52.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.920 ug/l

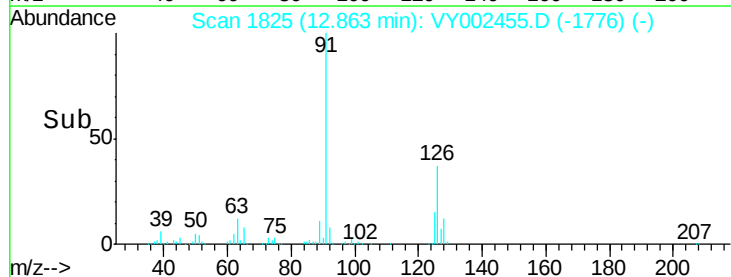
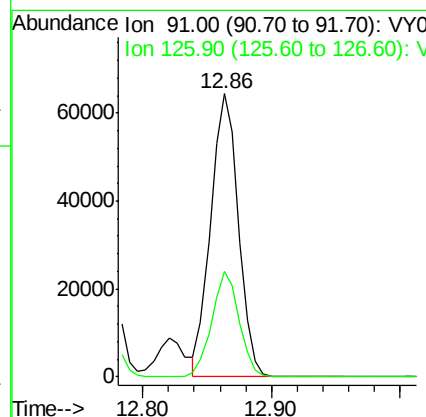
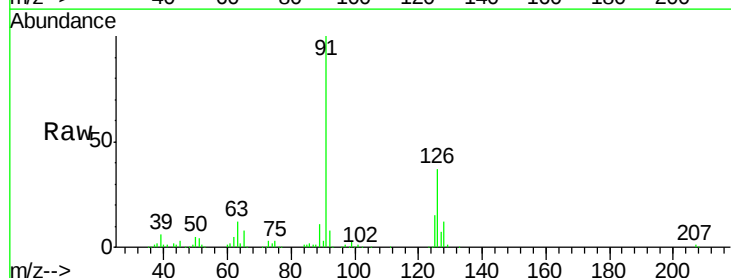
RT: 12.86 min Scan# 1825

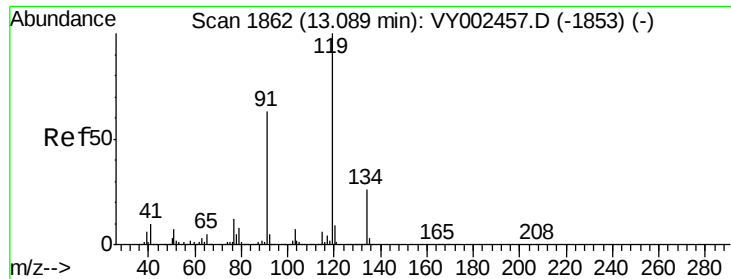
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	91	Resp:	96917
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.5	55.5





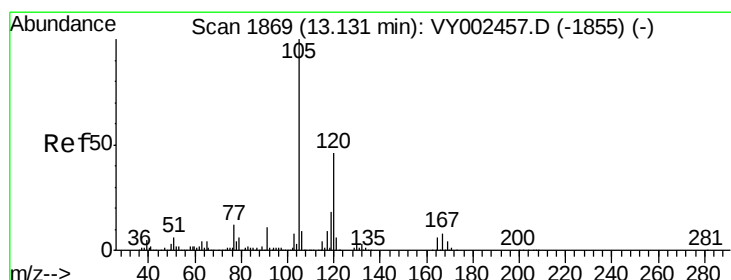
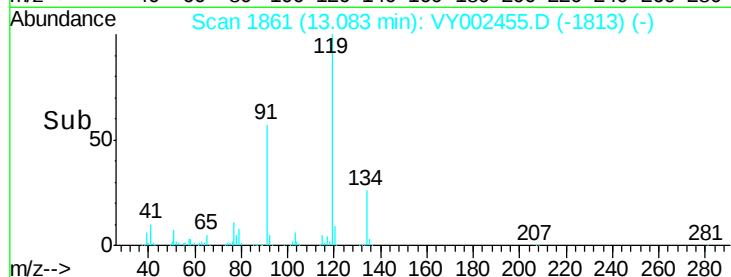
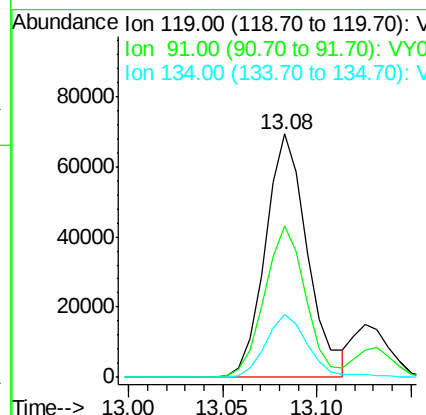
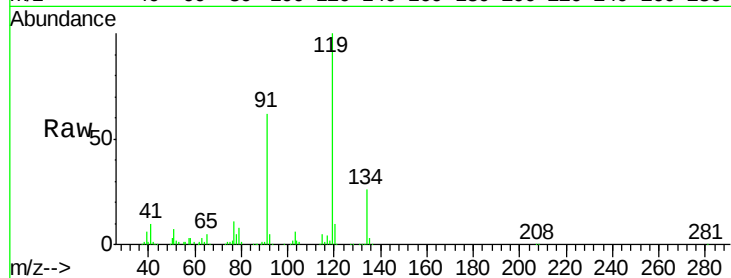
#83
 tert-Butylbenzene
 Concen: 9.806 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.8	92.3
134	26.3	13.2	39.6

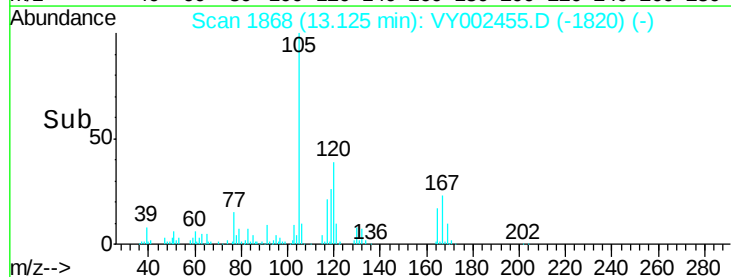
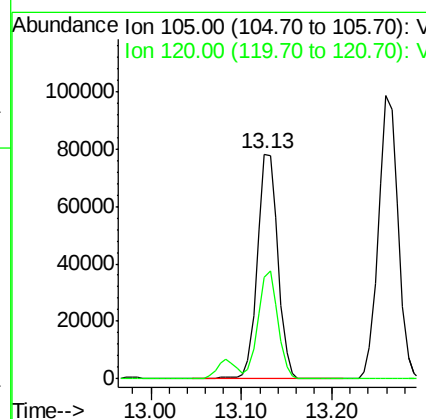
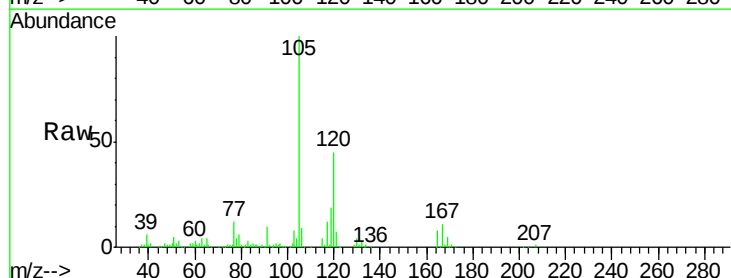
Manual Integrations
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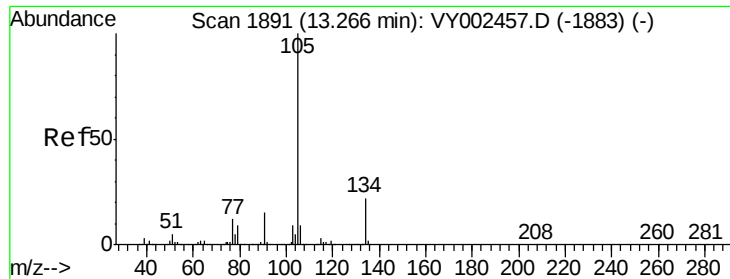
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 4/24/2020 1:33:24 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 9.878 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





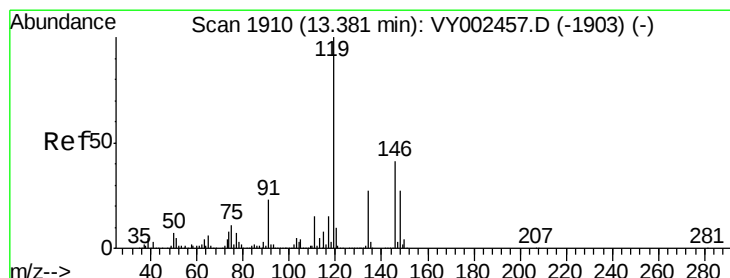
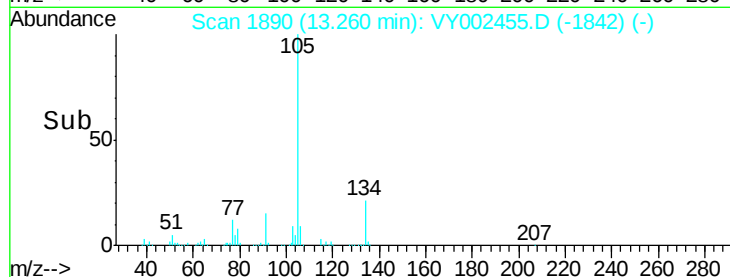
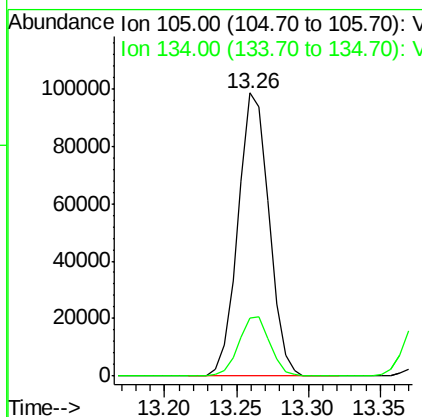
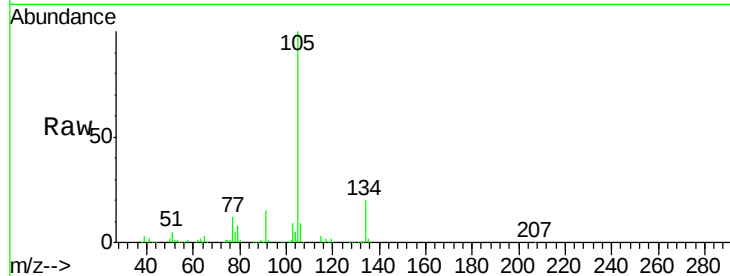
#85
 sec-Butylbenzene
 Concen: 9.840 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	146833		
134	21.1	10.8	32.3	

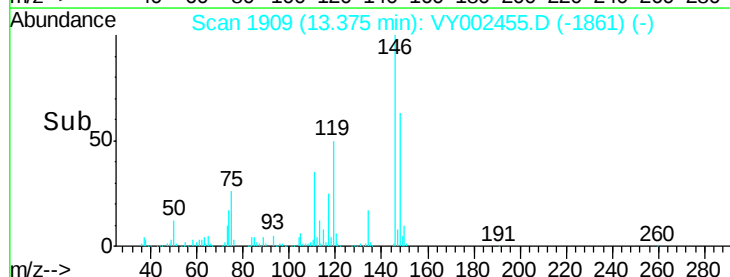
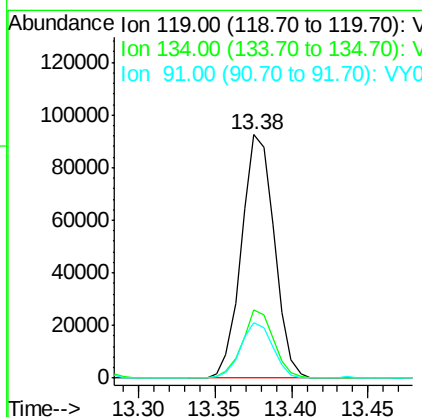
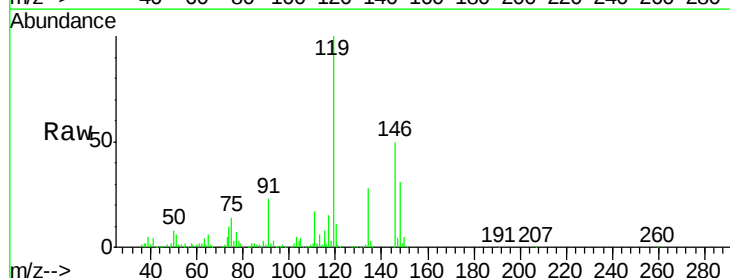
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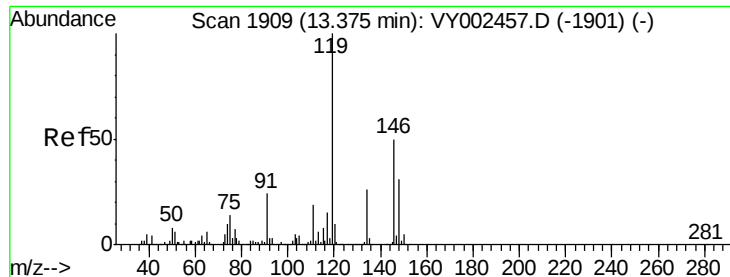
MMDadoda
 4/24/2020 1:33:24 PM



#86
 p-Isopropyltoluene
 Concen: 9.699 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	136987		
134	27.0	13.5	40.5	
91	22.4	11.5	34.4	





#87

1,3-Dichlorobenzene

Concen: 9.959 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

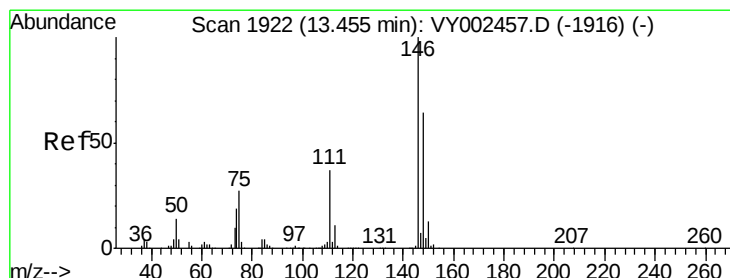
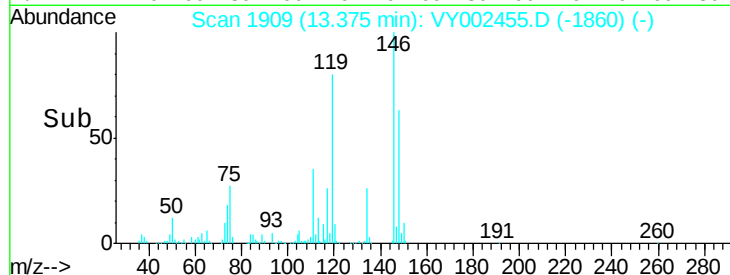
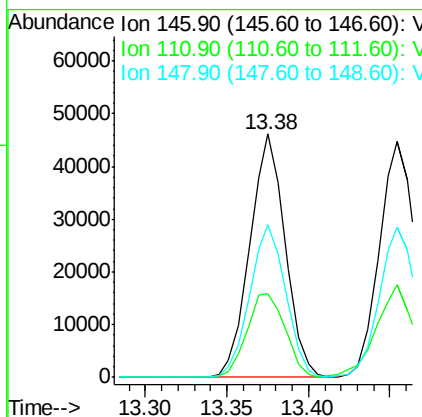
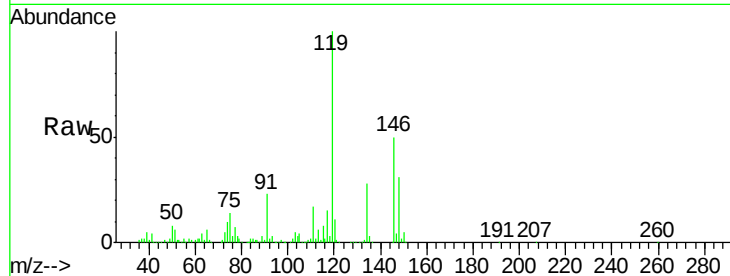
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	69556
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.8	56.3
148	63.5	32.0	96.0

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



#88

1,4-Dichlorobenzene

Concen: 9.914 ug/l

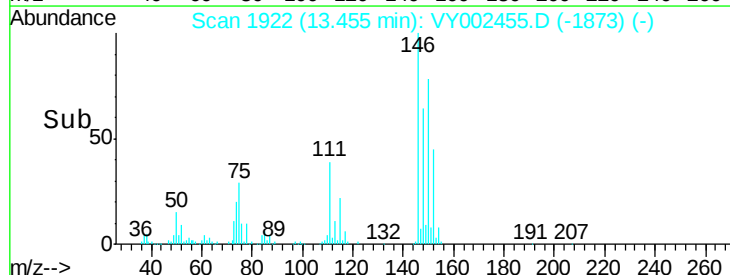
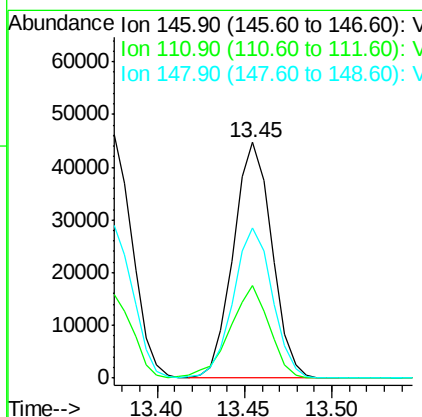
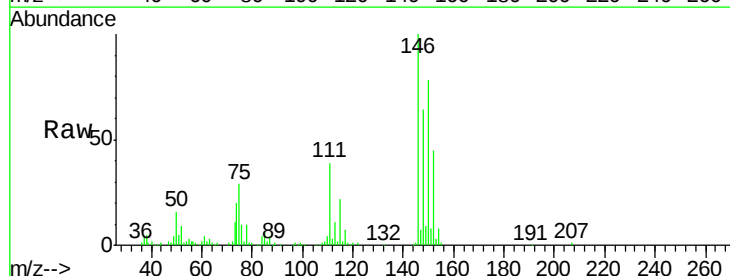
RT: 13.45 min Scan# 1922

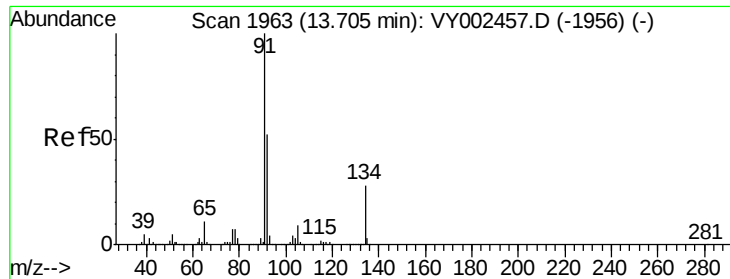
Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	146	Resp:	68569
Ion Ratio	Lower	Upper	
146	100		
111	40.0	18.1	54.1
148	64.6	32.1	96.5





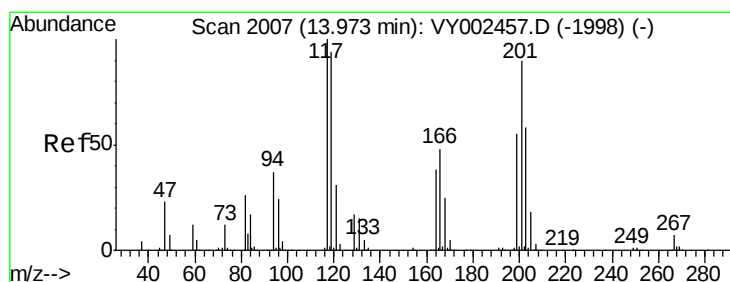
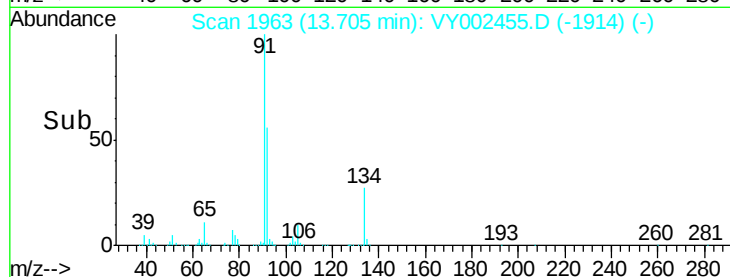
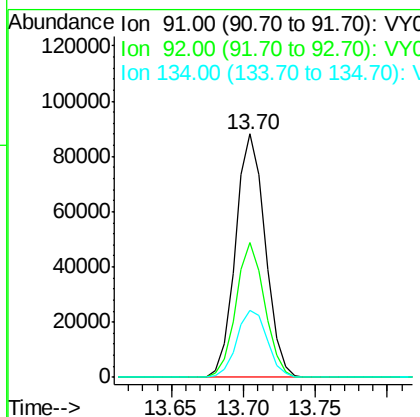
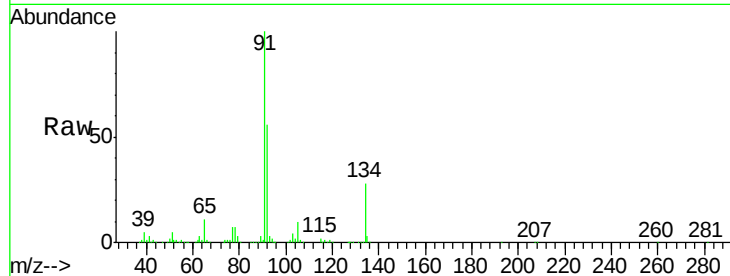
#89
n-Butylbenzene
Concen: 9.797 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	28.2	14.3	42.9

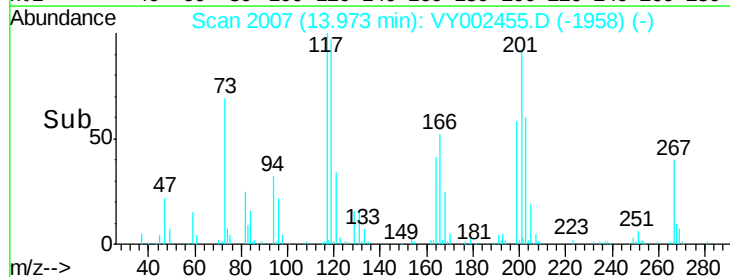
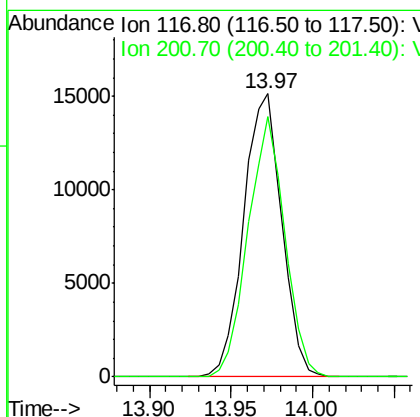
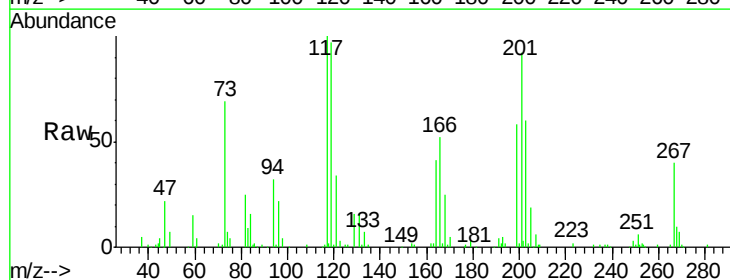
Manual Integrations
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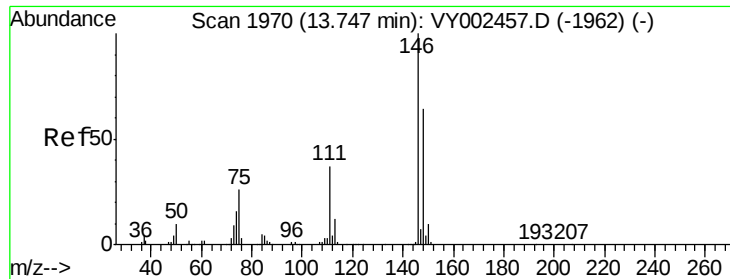
MMDadoda
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#90
Hexachloroethane
Concen: 9.733 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002455.D
Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	44.4	133.1





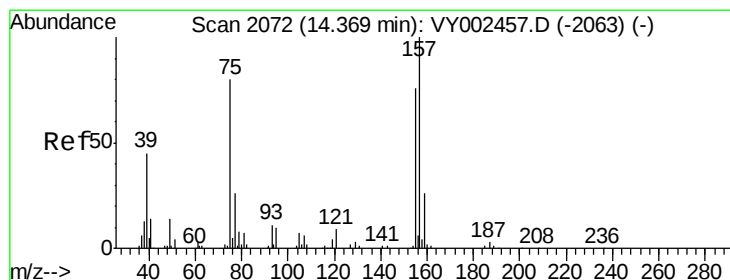
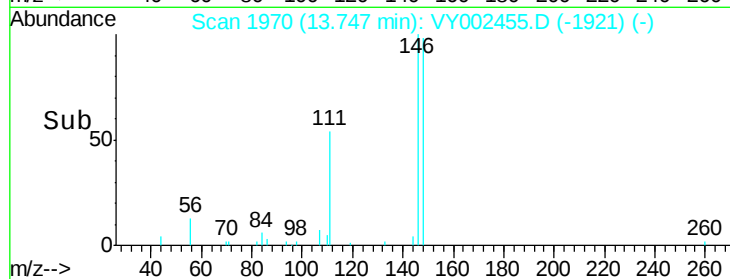
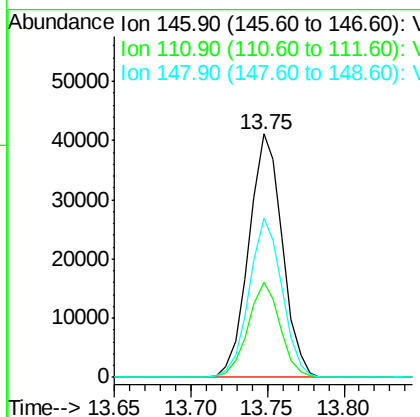
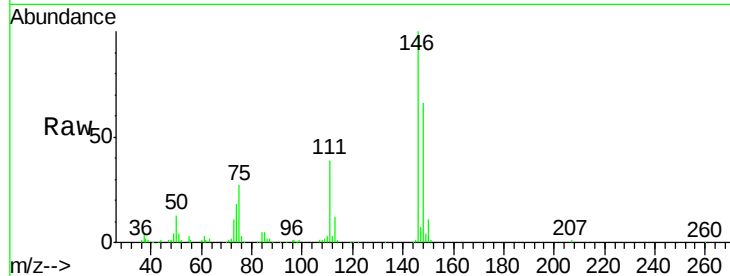
#91
 1,2-Dichlorobenzene
 Concen: 10.031 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.1	31.6	94.7

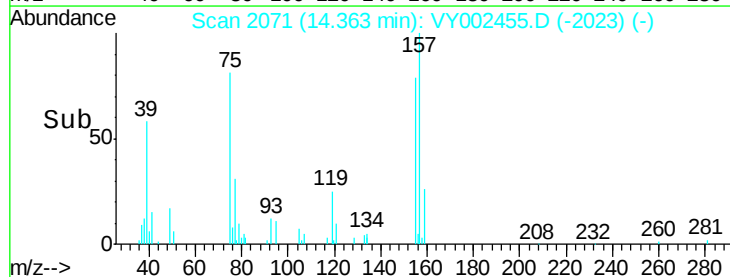
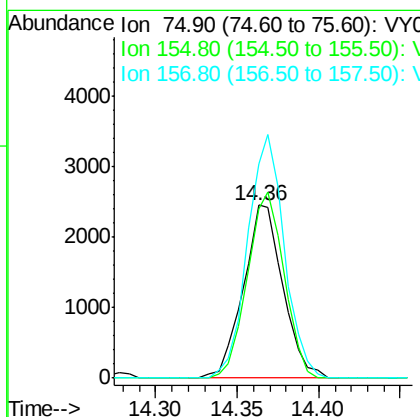
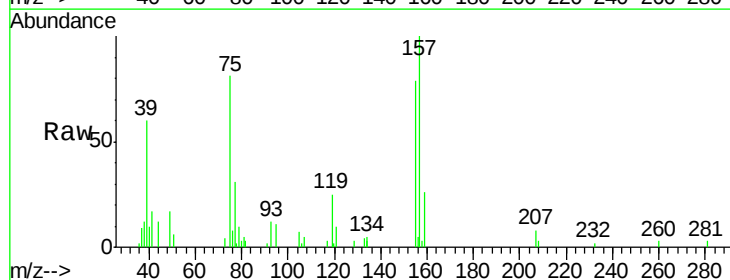
Manual Integrations
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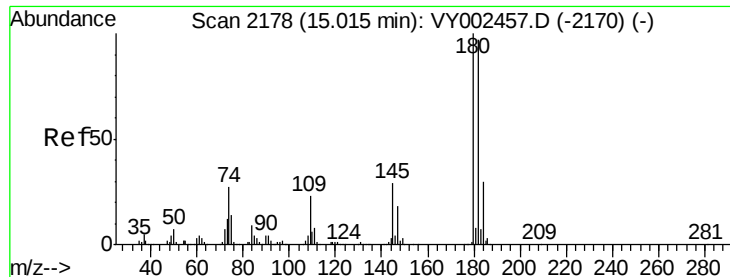
MMDadoda
 4/24/2020 1:33:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.407 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	49.6	149.0
157	130.6	62.6	187.9





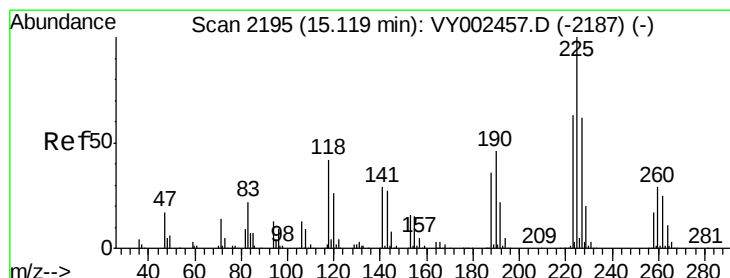
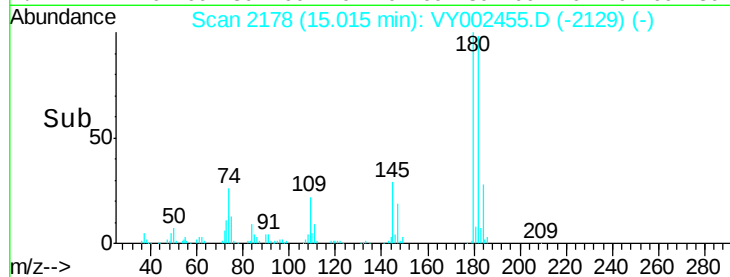
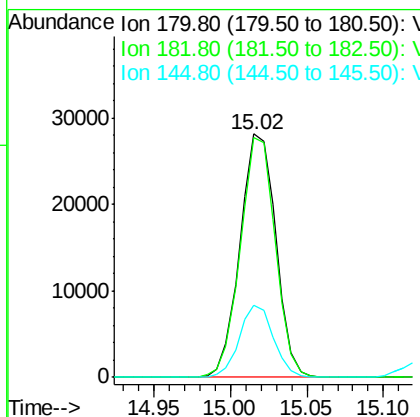
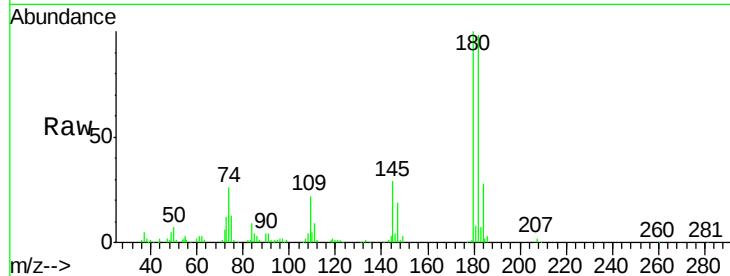
#93
 1,2,4-Trichlorobenzene
 Concen: 9.885 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45753		
182	96.4	47.9	143.7	
145	28.3	14.2	42.6	

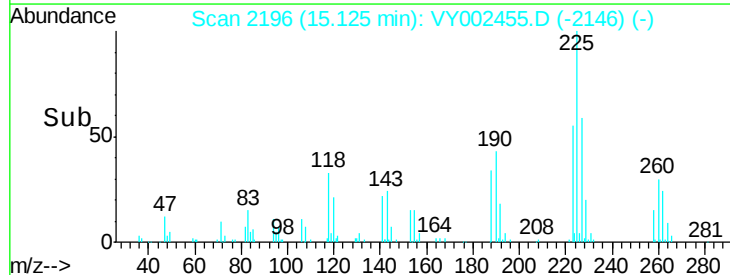
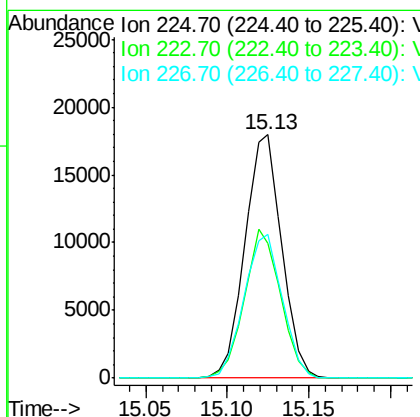
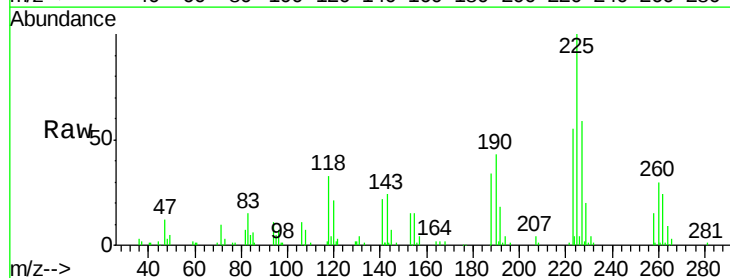
Manual Integrations
 APPROVED

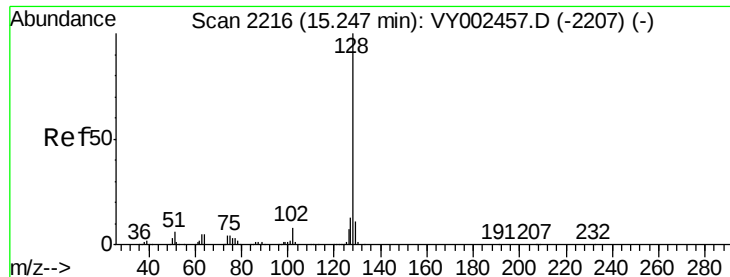
MMDadoda
 4/24/2020 1:33:24 PM



#94
 Hexachlorobutadiene
 Concen: 9.993 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002455.D
 Acq: 23 Apr 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28118		
223	60.4	31.1	93.3	
227	61.8	31.5	94.5	





#95

Naphthalene

Concen: 9.956 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Instrument :

MSVOA_Y

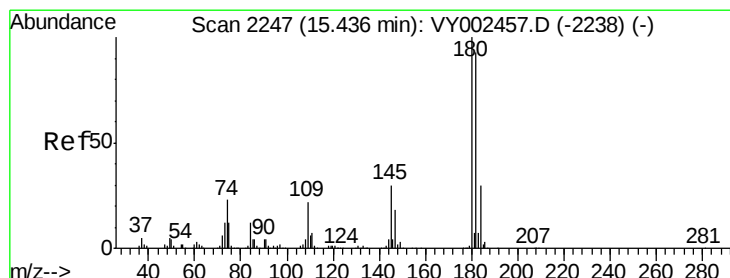
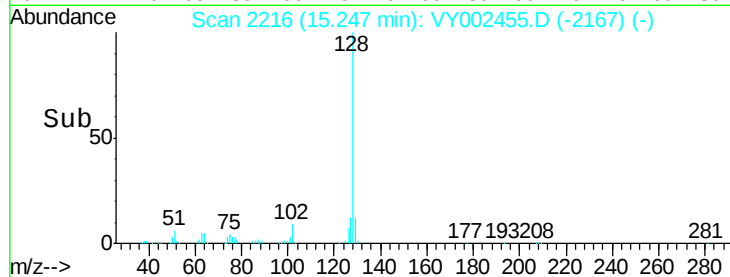
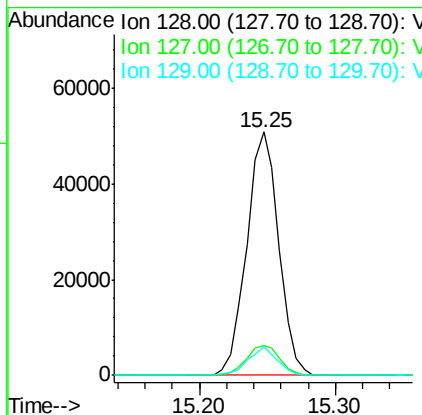
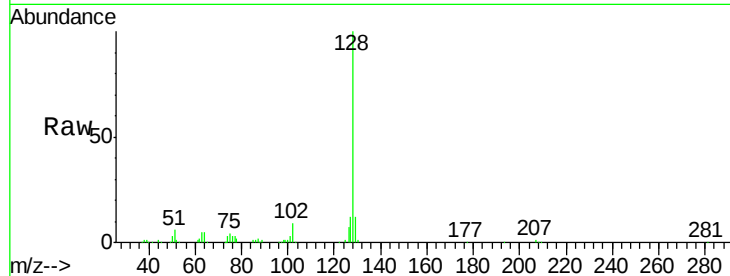
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	83753
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 10.000 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002455.D

Acq: 23 Apr 2020 11:43

Tgt Ion:	180	Resp:	38995
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.5	142.6
145	31.5	15.3	45.9

