

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003560.D
 Acq On : 20 Nov 2020 11:19
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:39:26 PM

Quant Time: Nov 21 00:52:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	231206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	209610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	79580	48.99	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.98%
35) Dibromofluoromethane	7.72	113	76582	50.39	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.78%
50) Toluene-d8	10.18	98	296903	50.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.48%
62) 4-Bromofluorobenzene	12.48	95	95648	51.00	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	22379	48.534	ug/l	100
3) Chloromethane	2.12	50	51339	47.302	ug/l	100
4) Vinyl Chloride	2.26	62	70522	50.226	ug/l	100
5) Bromomethane	2.66	94	56850	48.404	ug/l	100
6) Chloroethane	2.80	64	48901	49.662	ug/l	100
7) Trichlorofluoromethane	3.13	101	63757	51.475	ug/l	100
8) Diethyl Ether	3.53	74	44870	49.944	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	71294	50.146	ug/l	100
10) Methyl Iodide	4.10	142	119384	48.665	ug/l	100
11) Tert butyl alcohol	5.01	59	32871	212.393	ug/l #	100
12) 1,1-Dichloroethene	3.88	96	77262	50.155	ug/l	100
13) Acrolein	3.74	56	38732	249.882	ug/l	100
14) Allyl chloride	4.49	41	129497	50.146	ug/l	100
15) Acrylonitrile	5.18	53	109539	259.156	ug/l	100
16) Acetone	3.97	43	163122	300.732	ug/l	100
17) Carbon Disulfide	4.20	76	218944	49.373	ug/l	100
18) Methyl Acetate	4.49	43	58128	49.261	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	116987	51.164	ug/l	100
20) Methylene Chloride	4.72	84	89115	43.261	ug/l	100
21) trans-1,2-Dichloroethene	5.23	96	85600	49.698	ug/l	100
22) Diisopropyl ether	6.13	45	228242	51.563	ug/l	100
23) Vinyl Acetate	6.07	43	913411	265.477	ug/l	100
24) 1,1-Dichloroethane	6.03	63	146875	49.851	ug/l	100
25) 2-Butanone	7.00	43	198704	282.317	ug/l	100
26) 2,2-Dichloropropane	6.99	77	92656	48.092	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	93386	50.011	ug/l	100
28) Bromochloromethane	7.35	49	74213	51.457	ug/l	100
29) Tetrahydrofuran	7.36	42	96340	261.282	ug/l	100
30) Chloroform	7.52	83	148700	50.577	ug/l	100
31) Cyclohexane	7.79	56	113133	48.171	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	115081	50.653	ug/l	100
36) 1,1-Dichloropropene	7.93	75	115111	50.571	ug/l	100
37) Ethyl Acetate	7.08	43	73657	53.699	ug/l	100
38) Carbon Tetrachloride	7.91	117	109220	51.798	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121198	52.394	ug/l	100
40) Benzene	8.16	78	342188	50.713	ug/l	100
41) Methacrylonitrile	7.32	41	40352	59.829	ug/l	100
42) 1,2-Dichloroethane	8.24	62	96476	50.260	ug/l	100
43) Isopropyl Acetate	8.28	43	131176	52.082	ug/l	100
44) Trichloroethene	8.94	130	92261	50.180	ug/l	100
45) 1,2-Dichloropropane	9.22	63	85427	51.074	ug/l	100
46) Dibromomethane	9.31	93	48626	51.049	ug/l	100
47) Bromodichloromethane	9.50	83	114578	50.642	ug/l	100
48) Methyl methacrylate	9.30	41	61874	51.321	ug/l	100
49) 1,4-Dioxane	9.32	88	12548	1149.726	ug/l #	100
51) 4-Methyl-2-Pentanone	10.07	43	329598	273.047	ug/l	100
52) Toluene	10.24	92	213490	51.675	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	123315	52.076	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	139946	51.925	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	69334	51.319	ug/l	100
56) Ethyl methacrylate	10.51	69	89188	54.322	ug/l	100
57) 1,3-Dichloropropane	10.79	76	118121	51.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	211785	251.356	ug/l	100
59) 2-Hexanone	10.83	43	291295	292.732	ug/l	100
60) Dibromochloromethane	10.99	129	83146	50.899	ug/l	100
61) 1,2-Dibromoethane	11.09	107	66654	51.195	ug/l	100
64) Tetrachloroethene	10.72	164	79742	50.931	ug/l	100
65) Chlorobenzene	11.52	112	227223	50.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	66289	50.941	ug/l	100
67) Ethyl Benzene	11.59	91	380961	51.266	ug/l	100
68) m/p-Xylenes	11.70	106	294323	103.434	ug/l	100
69) o-Xylene	12.03	106	116976	51.393	ug/l	100
70) Styrene	12.04	104	239913	52.297	ug/l	100
71) Bromoform	12.20	173	54071	51.454	ug/l	100
73) Isopropylbenzene	12.33	105	259210	50.841	ug/l	100
74) N-amyl acetate	12.14	43	107758	53.369	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	72074	50.802	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	48634m	46.603	ug/l	
77) Bromobenzene	12.61	156	96302	51.339	ug/l	100
78) n-propylbenzene	12.67	91	367344	51.286	ug/l	100
79) 2-Chlorotoluene	12.75	91	209911	50.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	193807	50.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	33078	52.991	ug/l	100
82) 4-Chlorotoluene	12.85	91	260896	51.504	ug/l	100
83) tert-Butylbenzene	13.07	119	198755	51.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	212231	52.016	ug/l	100
85) sec-Butylbenzene	13.25	105	223150	50.826	ug/l	100
86) p-Isopropyltoluene	13.37	119	202237	51.337	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	174661	51.152	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	180147	51.483	ug/l	100
89) n-Butylbenzene	13.69	91	223616	53.049	ug/l	100
90) Hexachloroethane	13.95	117	53164	51.038	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	137617	50.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9661	52.282	ug/l	100

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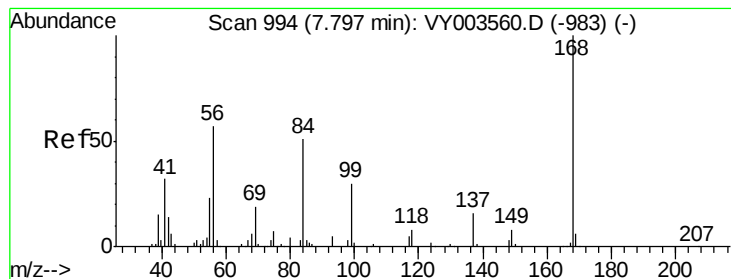
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	79210	51.821	ug/l	100
94) Hexachlorobutadiene	15.11	225	43036	49.532	ug/l	100
95) Naphthalene	15.23	128	141306	54.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	57169	50.879	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 156456

Ion Ratio Lower Upper

168 100

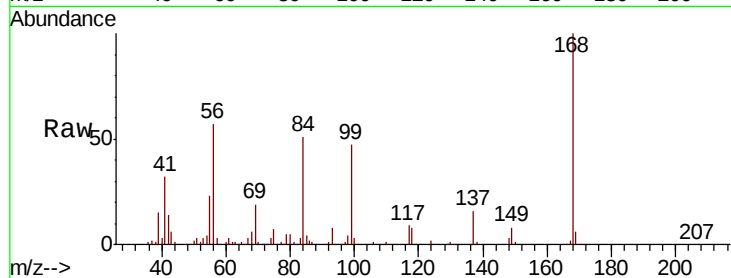
99 47.0 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY003560.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003560.D (-983) (-)

7.80

80000

60000

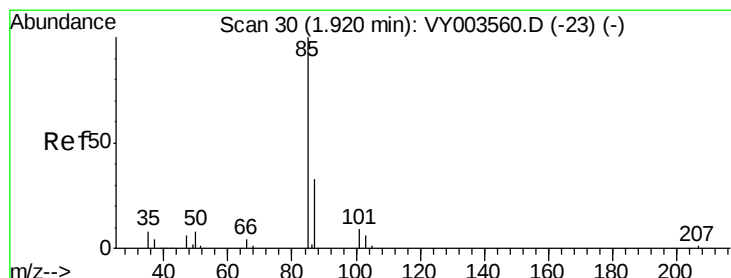
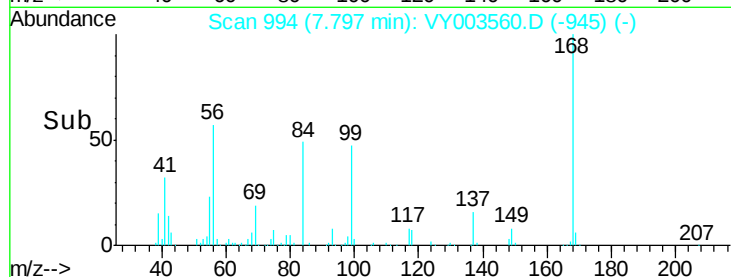
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.534 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.00 min

Lab File: VY003560.D

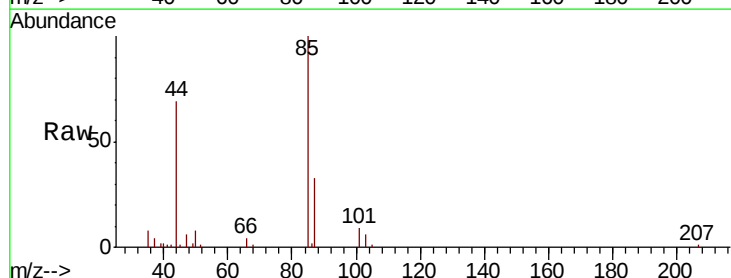
Acq: 20 Nov 2020 11:19

Tgt Ion: 85 Resp: 22379

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VY003560.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY003560.D (-23) (-)

1.92

8000

6000

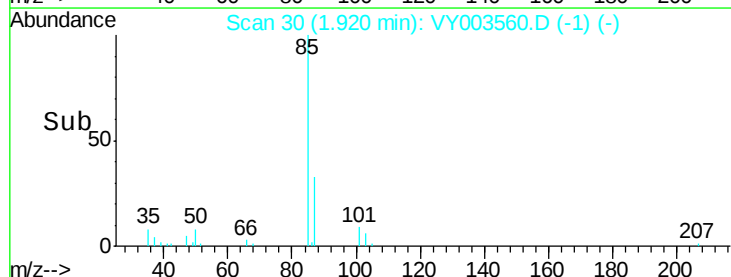
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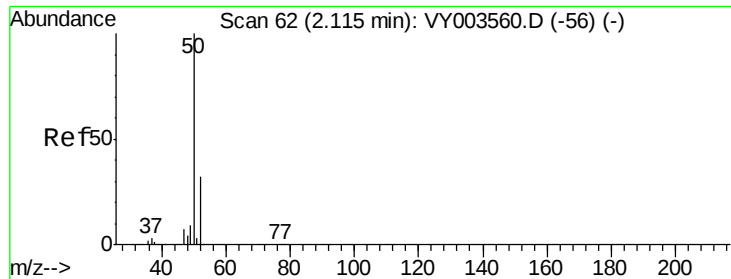
2000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.302 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 51339

Ion Ratio Lower Upper

50 100

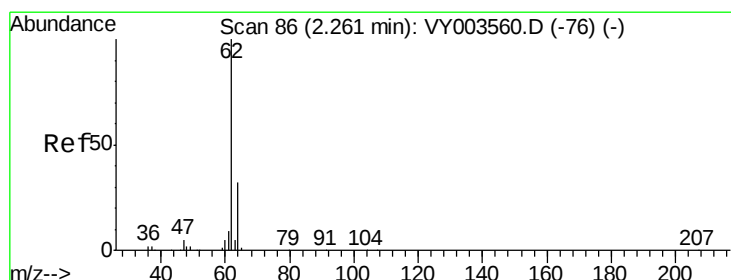
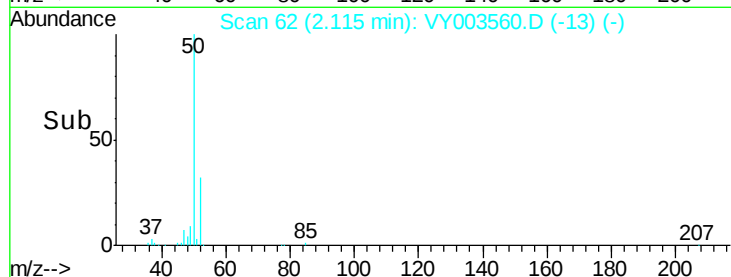
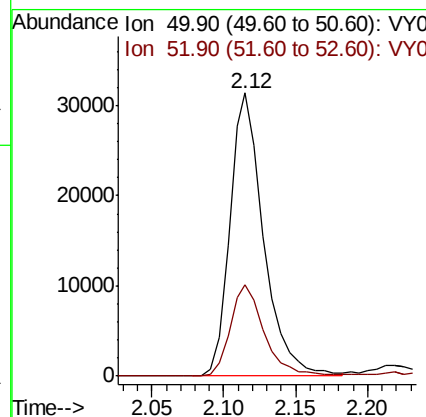
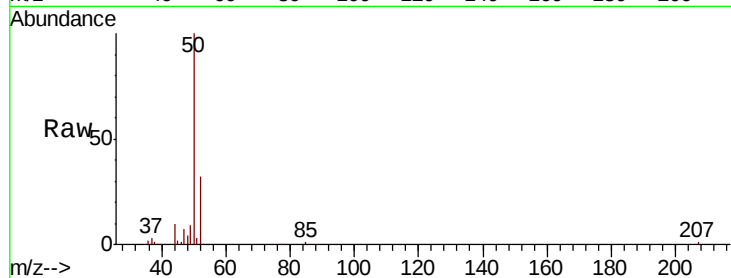
52 32.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.226 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003560.D

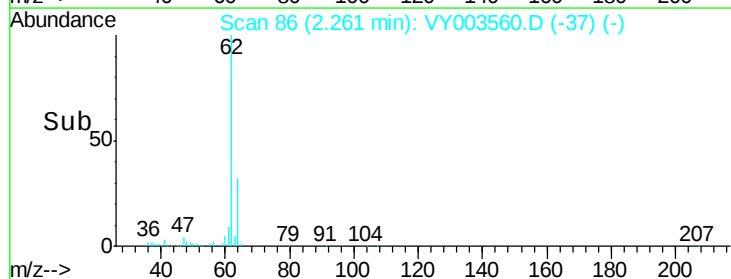
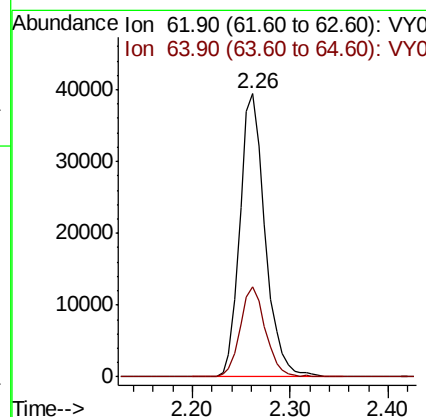
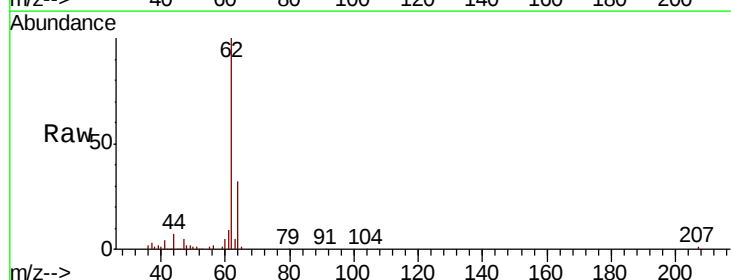
Acq: 20 Nov 2020 11:19

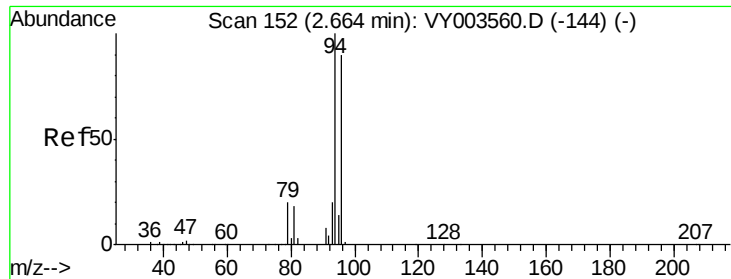
Tgt Ion: 62 Resp: 70522

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 48.404 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 56850

Ion Ratio Lower Upper

94 100

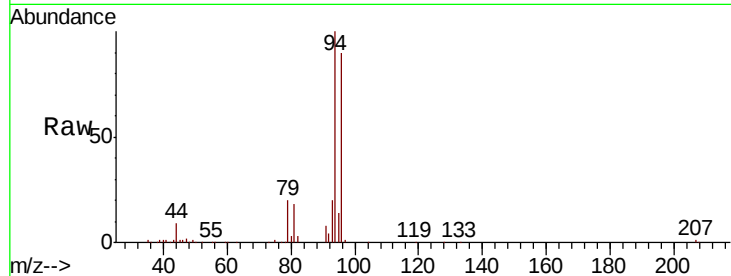
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Manual Integrations

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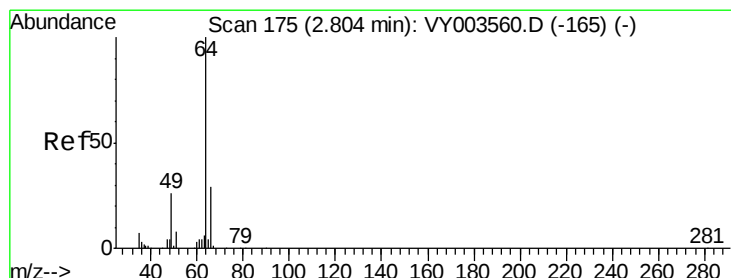
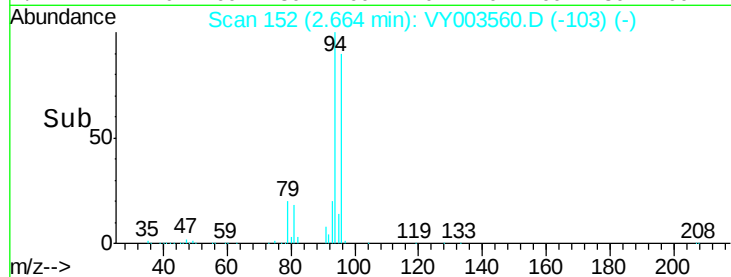
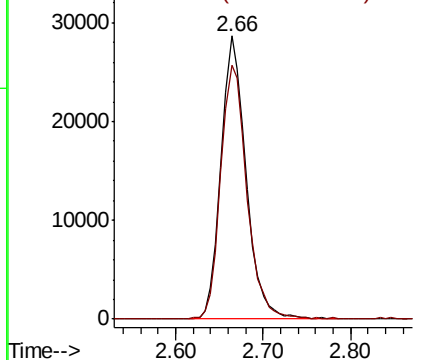
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 49.662 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY003560.D

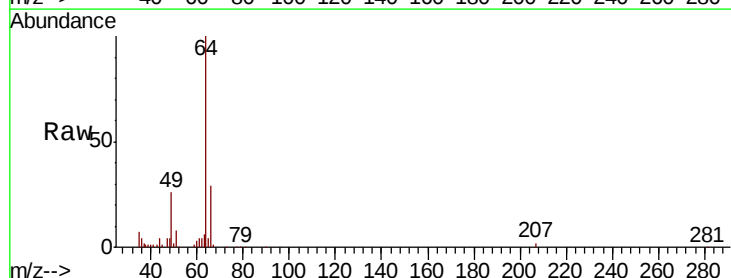
Acq: 20 Nov 2020 11:19

Tgt Ion: 64 Resp: 48901

Ion Ratio Lower Upper

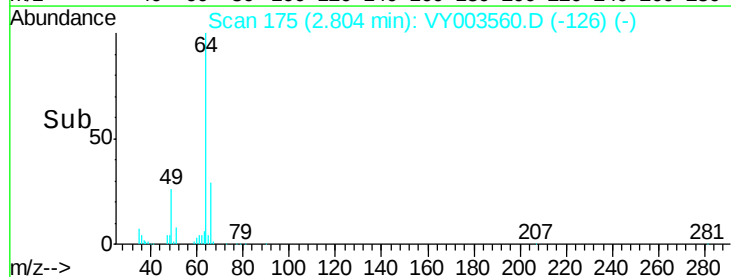
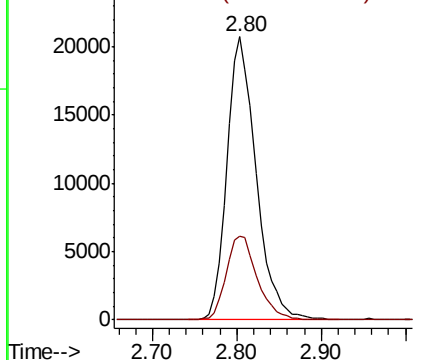
64 100

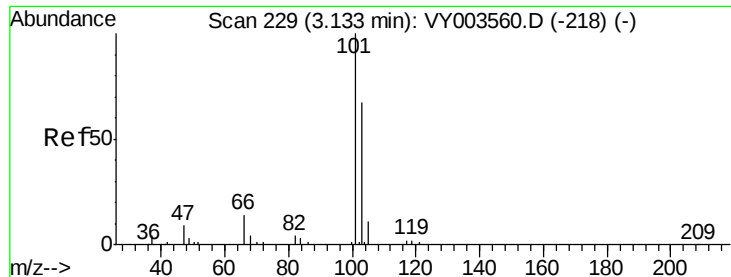
66 29.5 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

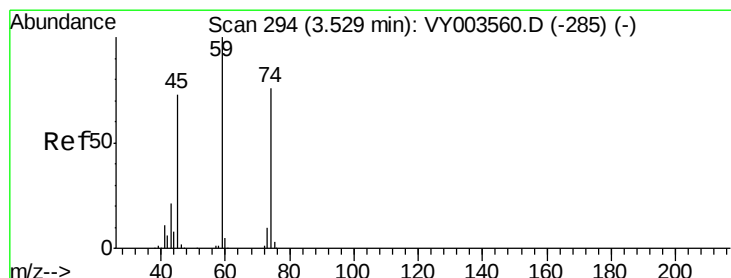
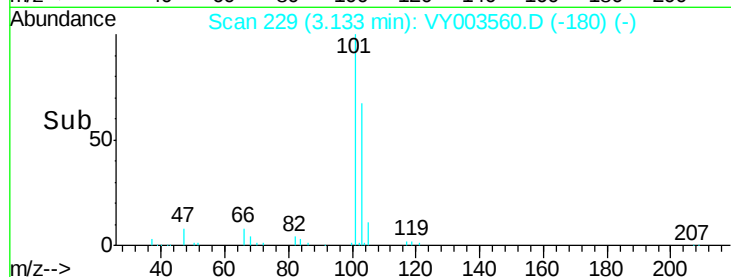
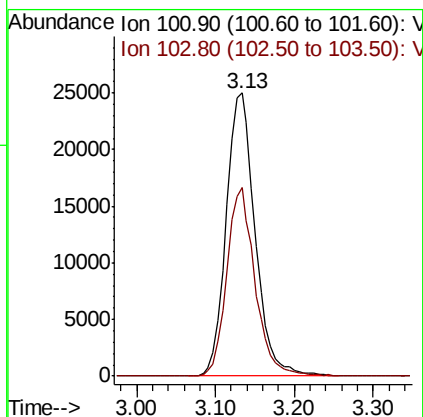
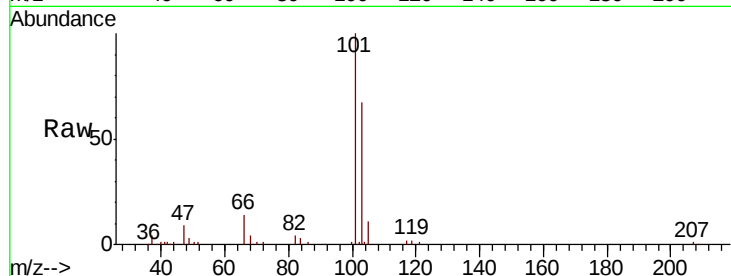
Trichlorofluoromethane
 Concen: 51.475 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.6	53.3	79.9	

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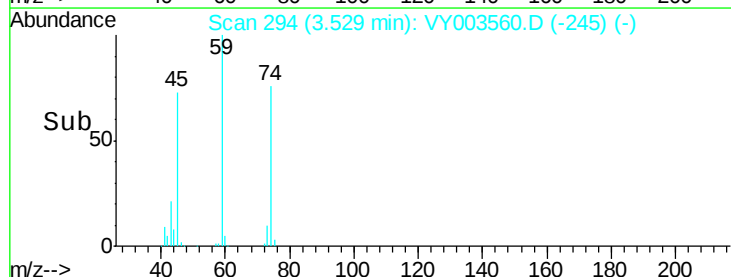
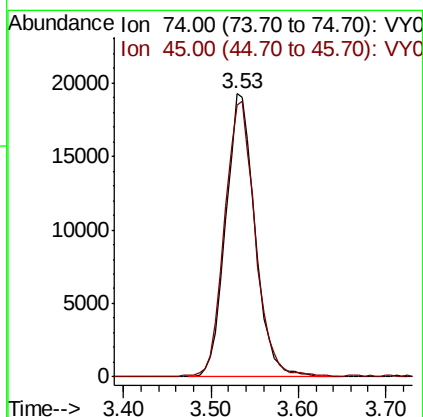
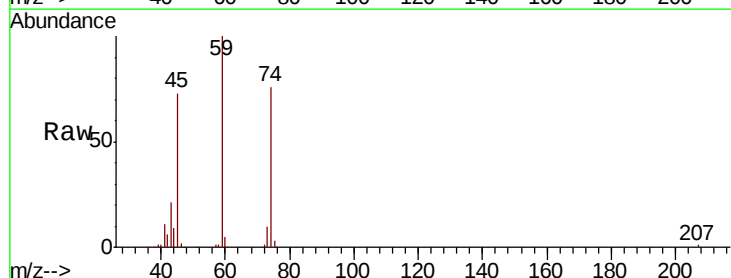
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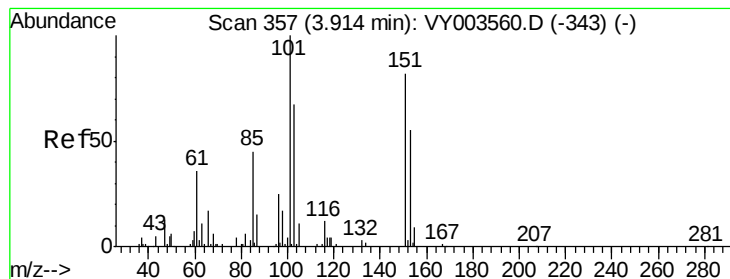


#8

Diethyl Ether
 Concen: 49.944 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	102.0	51.0	153.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.146 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

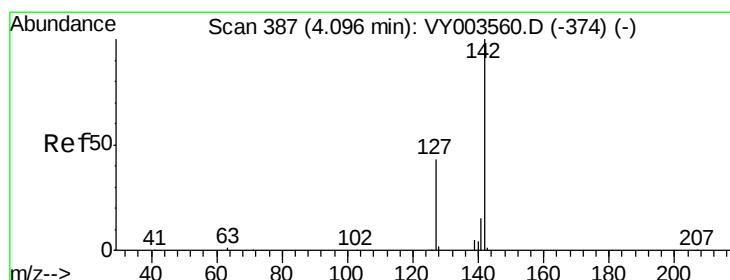
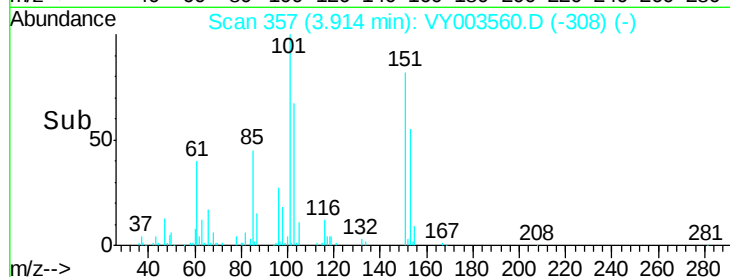
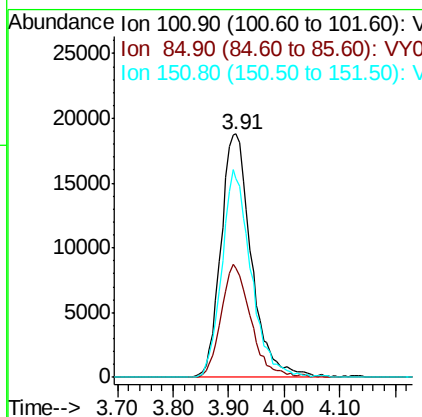
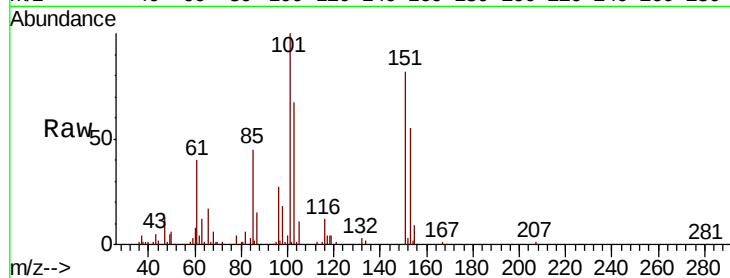
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	71294
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.9	53.9
151	81.7	65.4	98.0

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#10

Methyl Iodide

Concen: 48.665 ug/l

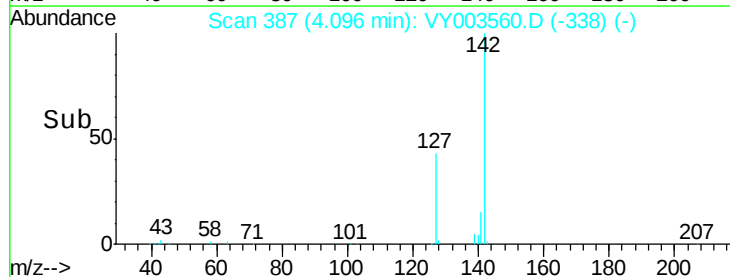
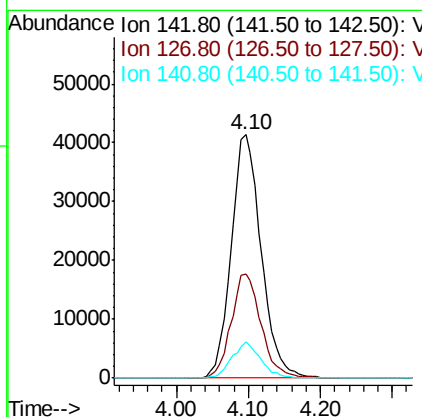
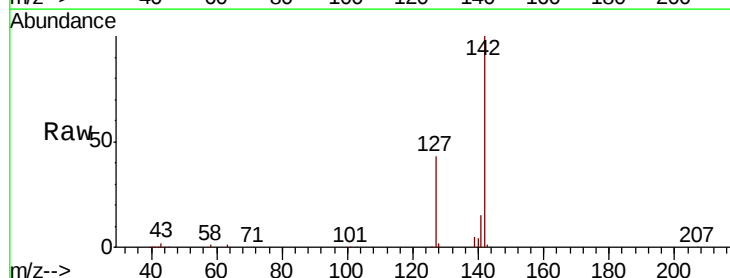
RT: 4.10 min Scan# 387

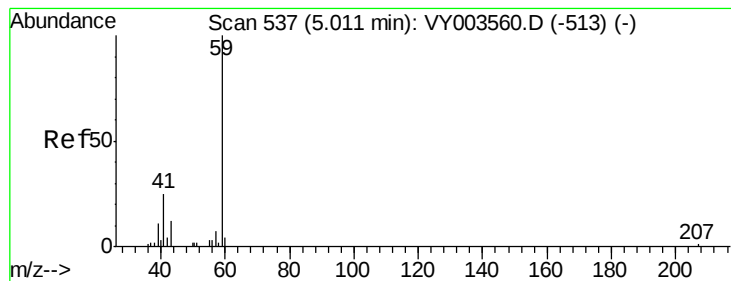
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion:	142	Resp:	119384
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	14.4	11.5	17.3





#11

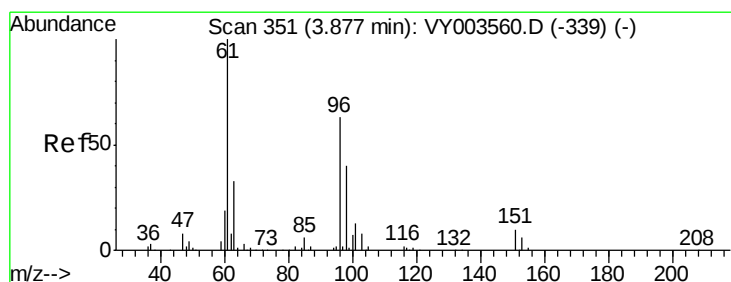
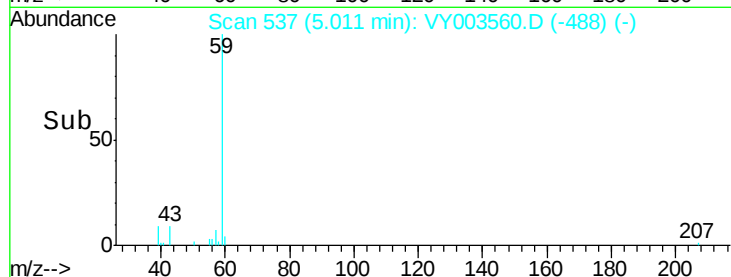
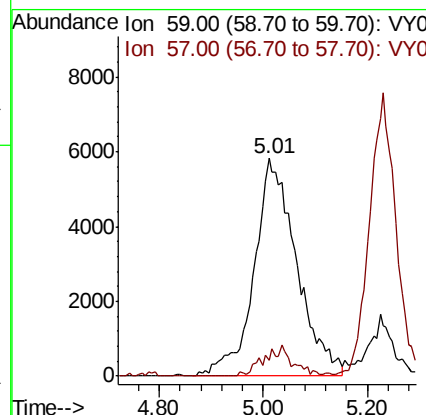
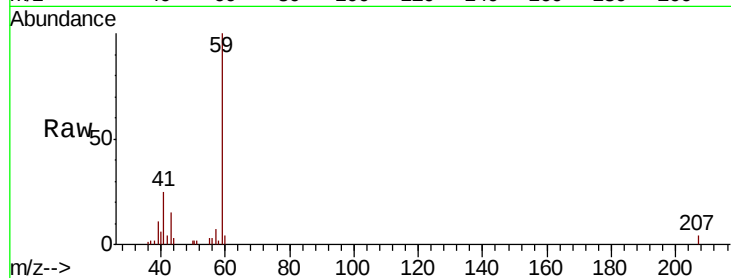
Tert butyl alcohol
Concen: 212.393 ug/l
RT: 5.01 min Scan# 537
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	59.00 (58.70 to 59.70): VY0	Resp	32871
Ion Ratio	59	100	
Lower	57	0.0	0.0
Upper			0.0

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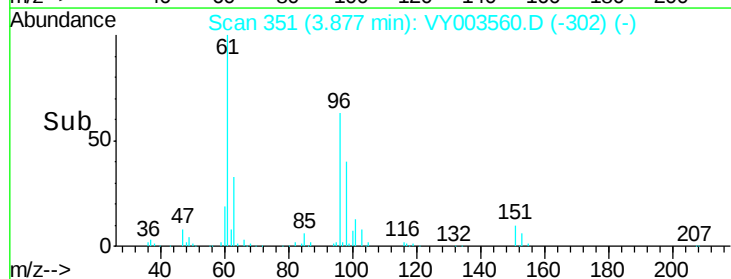
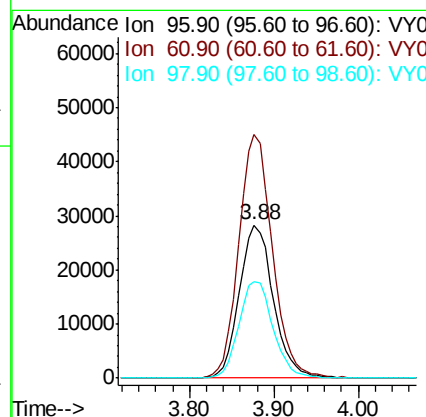
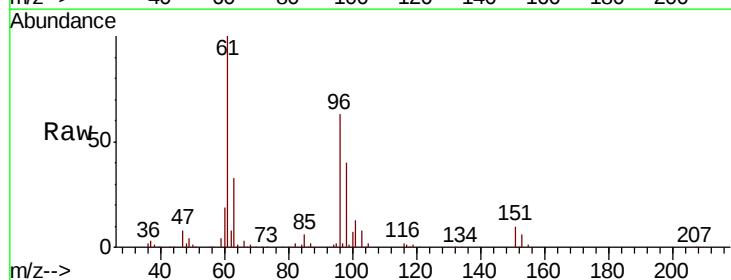
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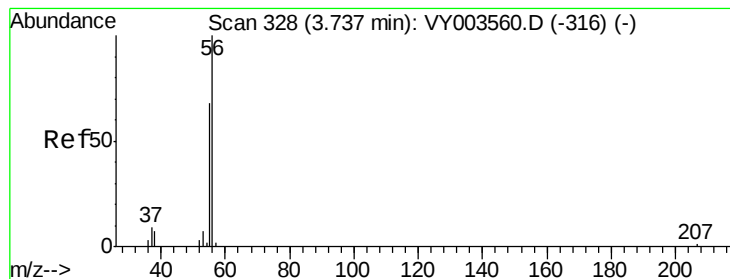


#12

1,1-Dichloroethene
Concen: 50.155 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	96	Resp	77262
Ion Ratio	96	100	
Lower	61	159.1	127.3
Upper	98	63.3	50.6





#13

Acrolein

Concen: 249.882 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 38732

Ion Ratio Lower Upper

56 100

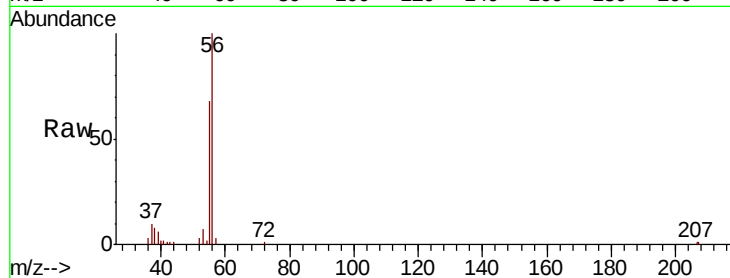
55 68.2 54.6 81.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

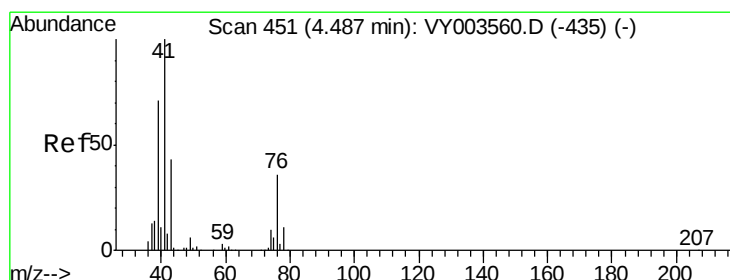
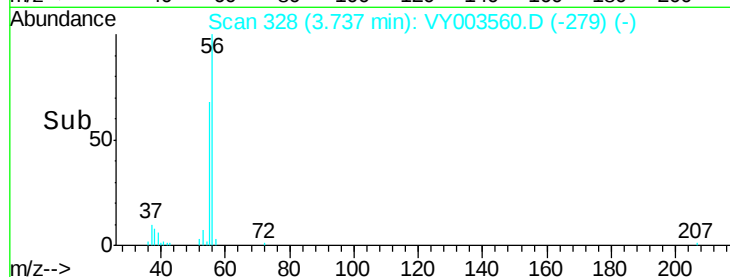
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 50.146 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

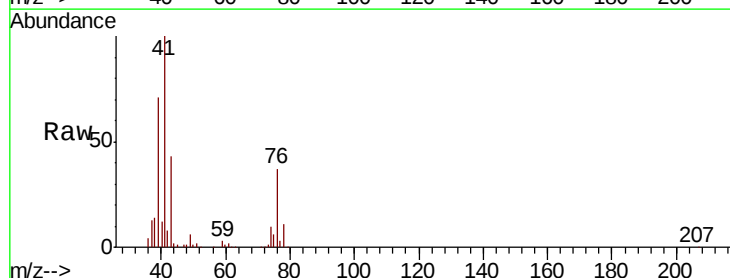
Tgt Ion: 41 Resp: 129497

Ion Ratio Lower Upper

41 100

39 67.7 54.2 81.2

76 36.1 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

60000

50000

40000

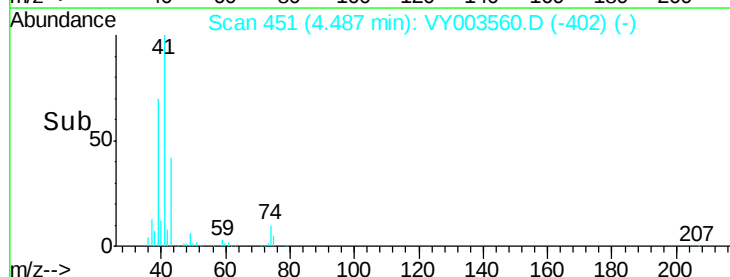
30000

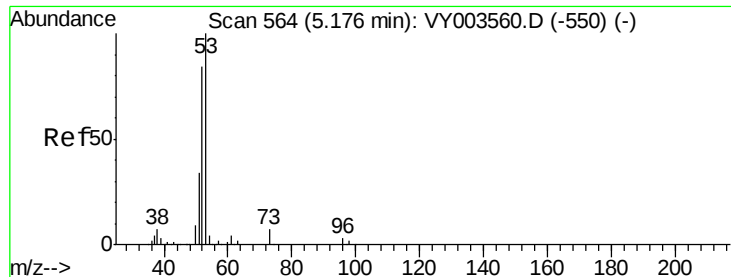
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 259.156 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

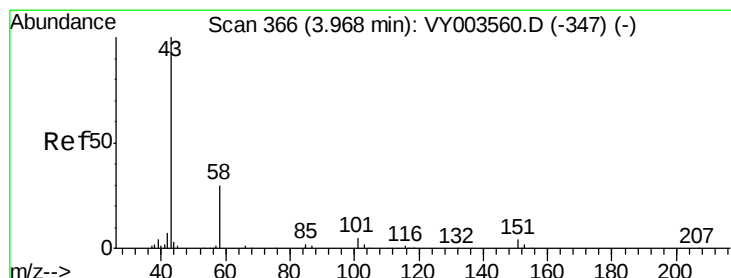
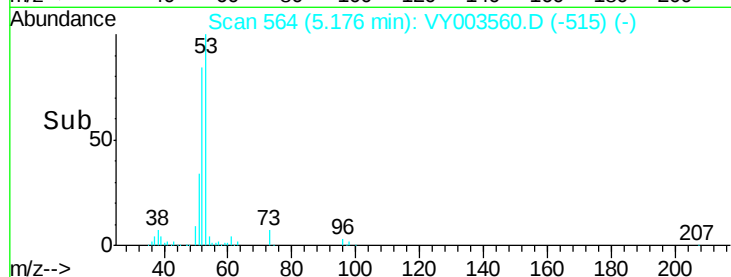
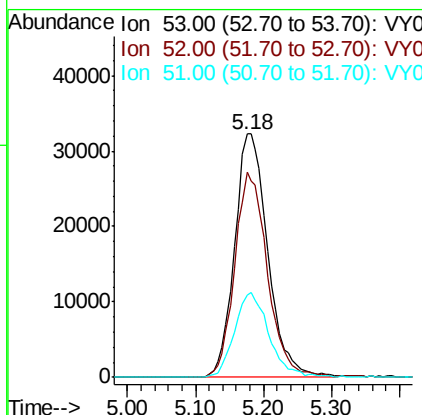
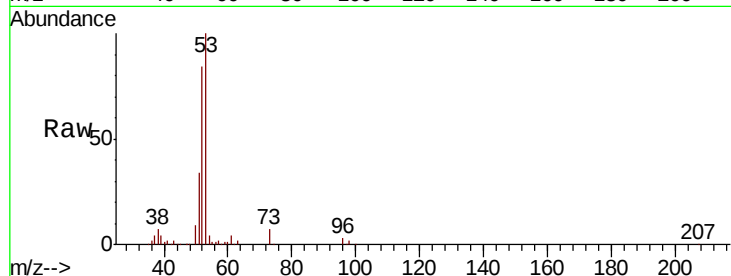
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	109539
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 300.732 ug/l

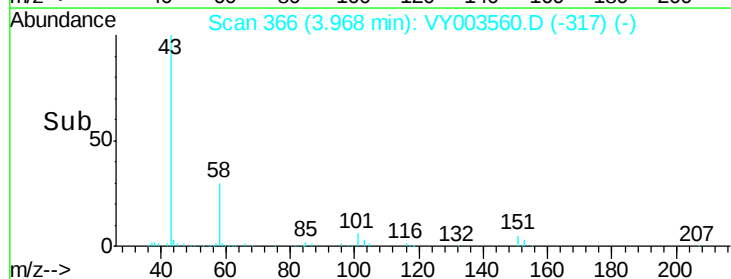
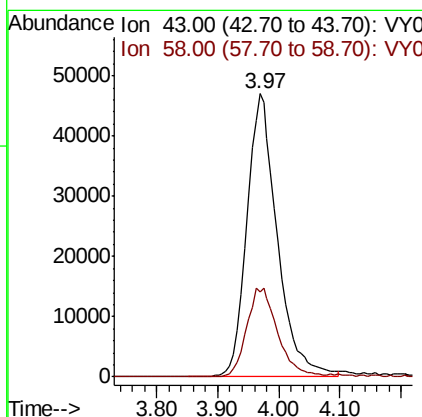
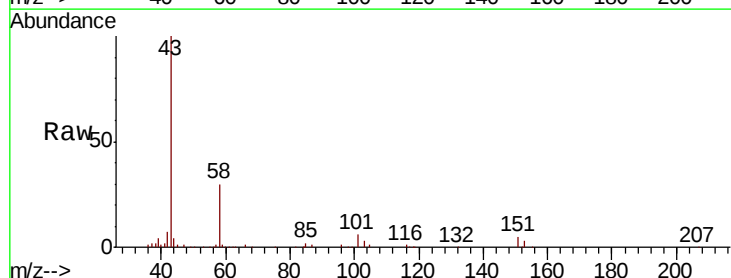
RT: 3.97 min Scan# 366

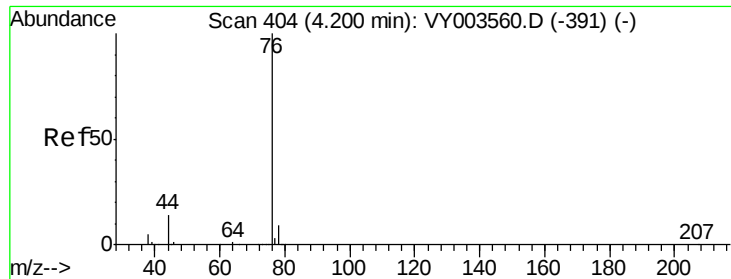
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion:	43	Resp:	163122
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





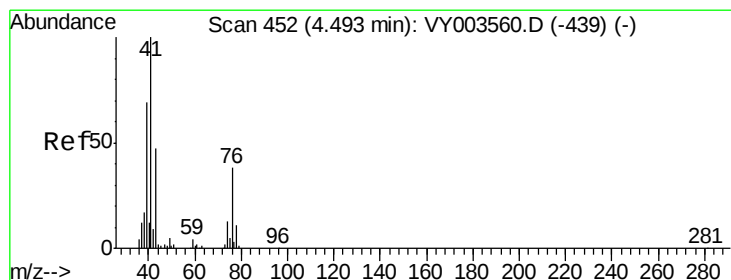
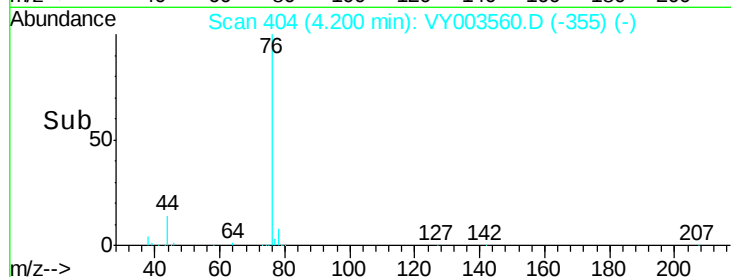
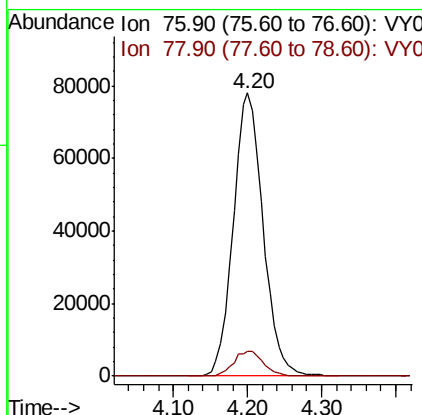
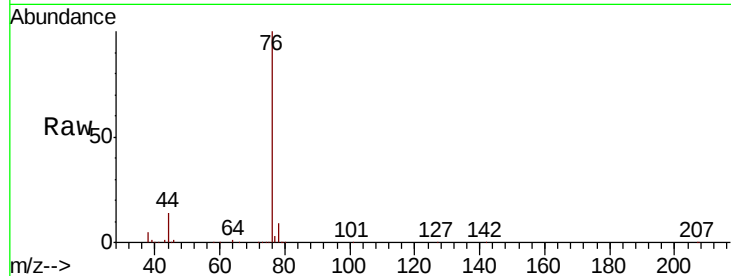
#17
Carbon Disulfide
Concen: 49.373 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

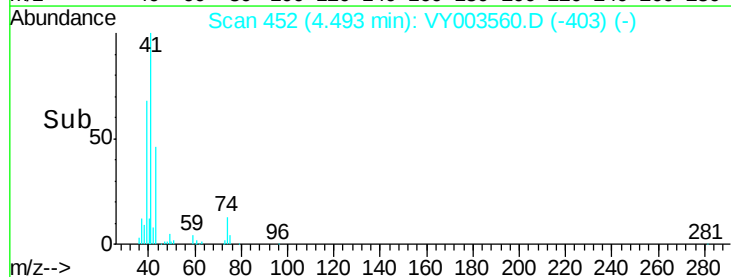
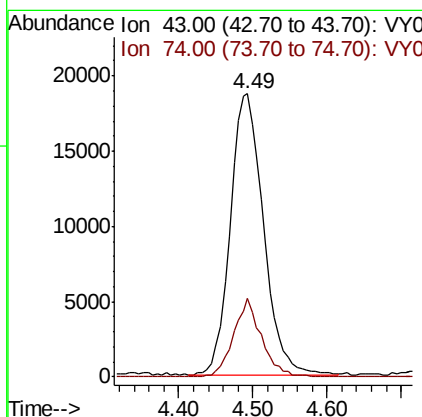
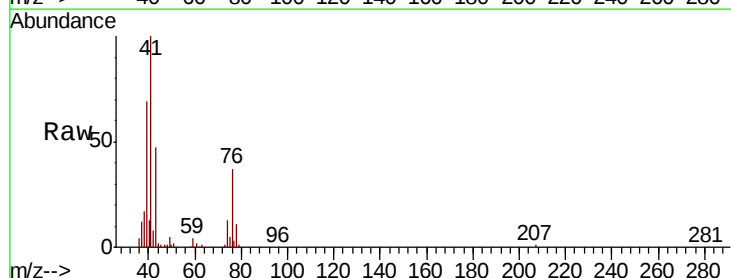
Manual Integrations
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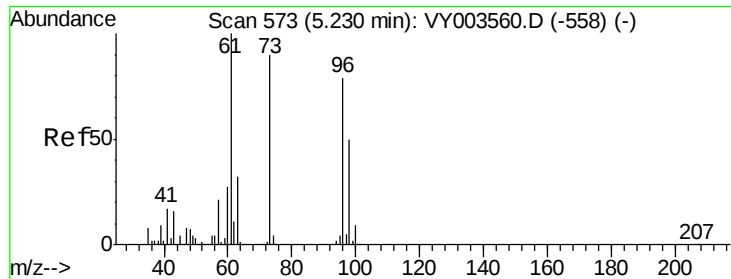
MMDadoda
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#18
Methyl Acetate
Concen: 49.261 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.9	28.3





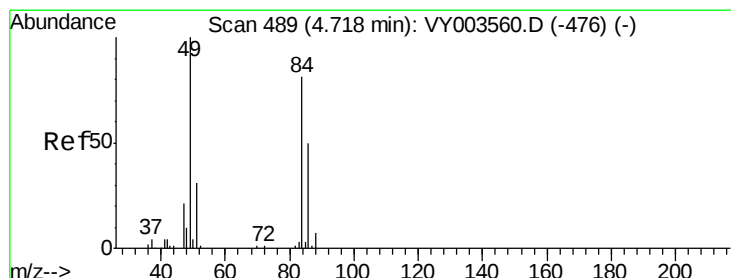
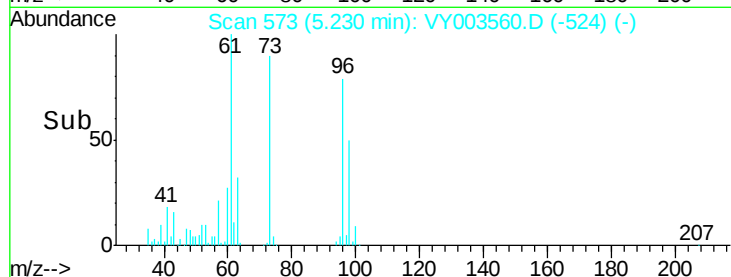
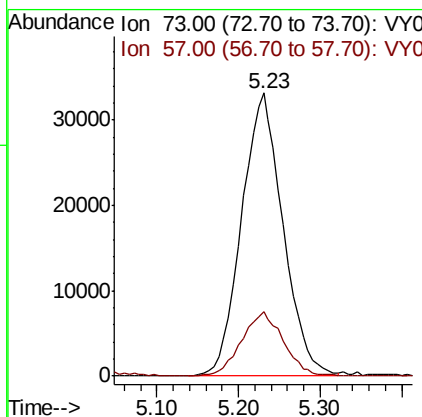
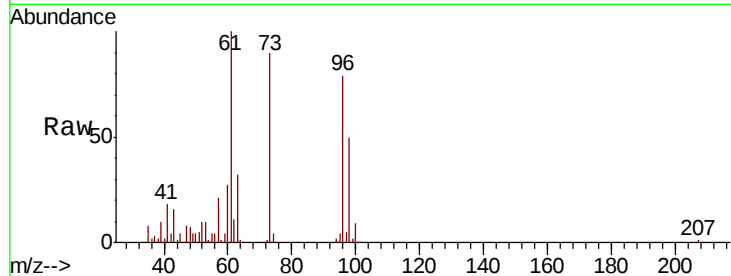
#19
Methyl tert-butyl Ether
Concen: 51.164 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.2

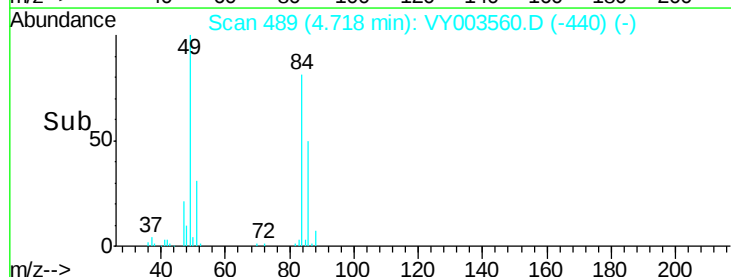
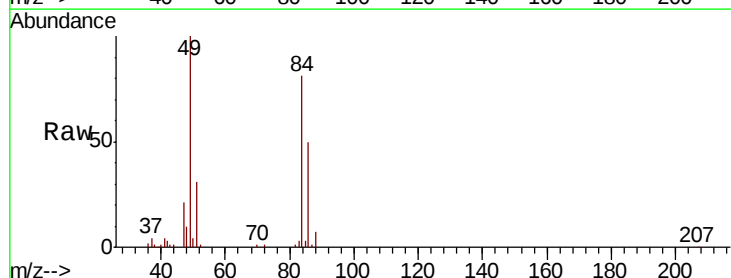
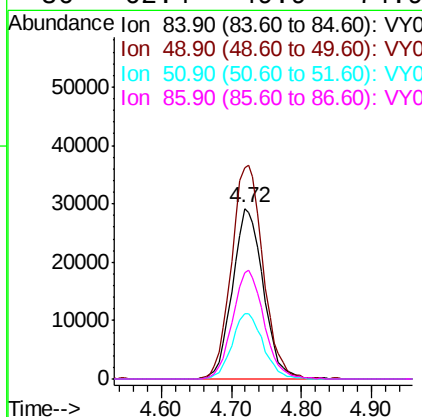
Manual Integrations
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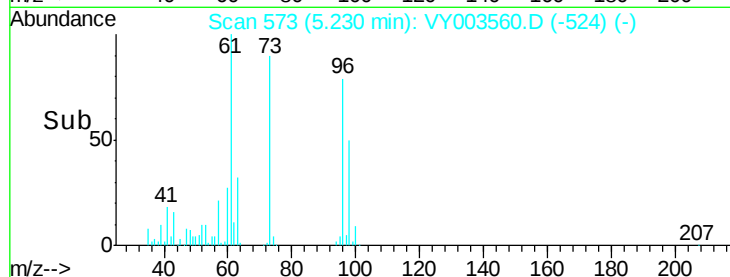
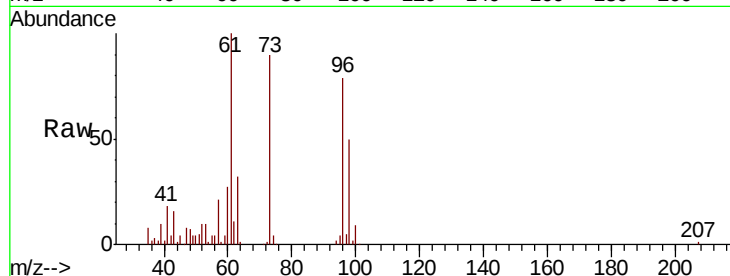
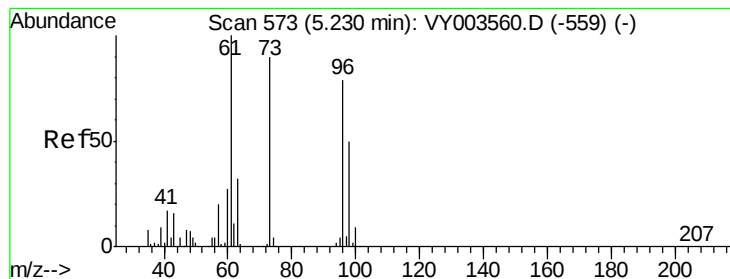
MMDadoda
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#20
Methylene Chloride
Concen: 43.261 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	99.0	148.6
51	38.1	30.5	45.7
86	62.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.698 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tot Ion:	96	Resp:	85600
Ion	Ratio	Lower	Upper
96	100		
61	126.2	101.0	151.4
98	62.7	50.2	75.2

Instrument :

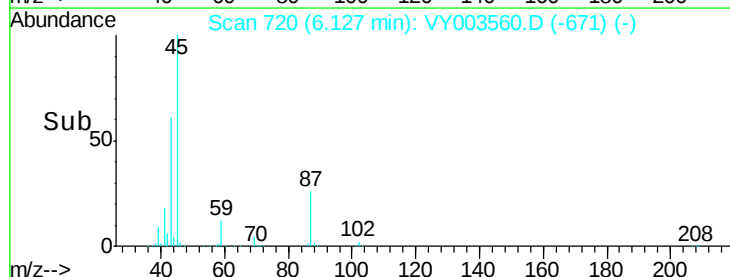
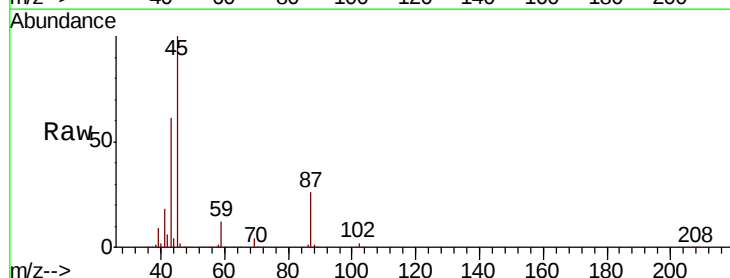
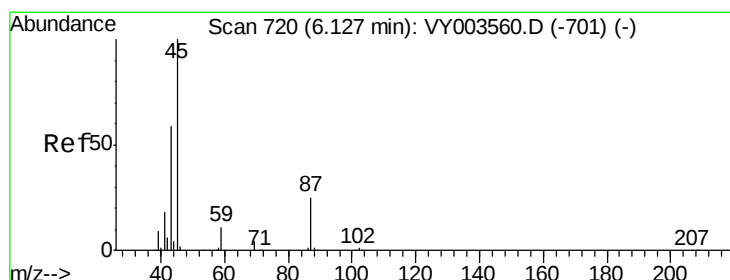
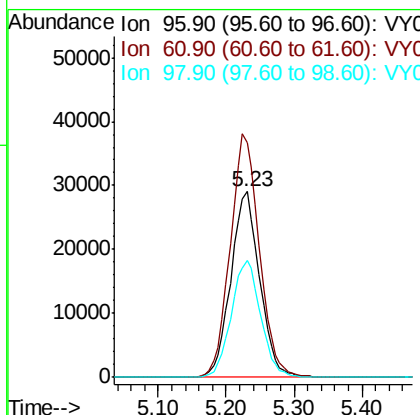
MSVOA_Y

ClientSampleId :

VSTDICCC050

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#22

Diisopropyl ether

Concen: 51.563 ug/l

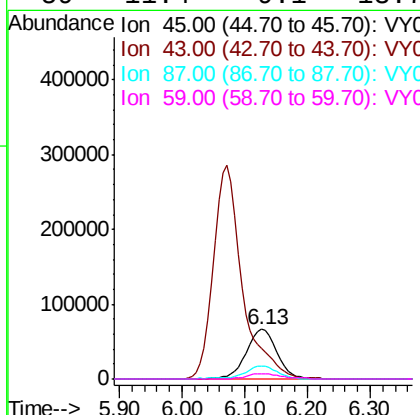
RT: 6.13 min Scan# 720

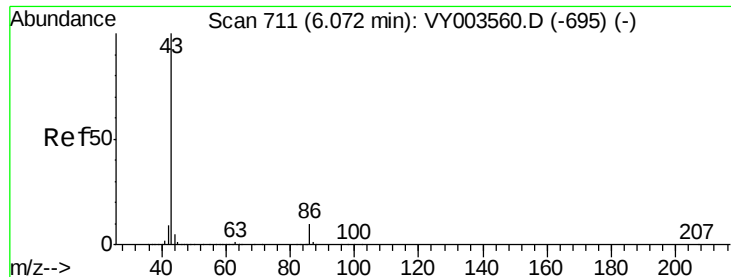
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion:	45	Resp:	228242
Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.1	72.1
87	25.4	20.3	30.5
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 265.477 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 913411

Ion Ratio Lower Upper

43 100

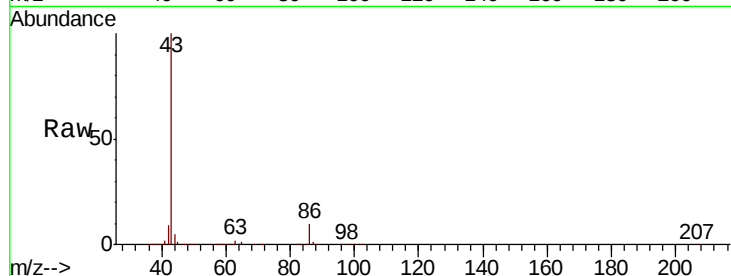
86 10.0 8.0 12.0

Manual Integrations

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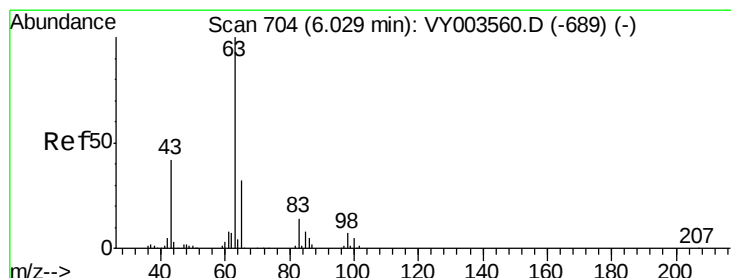
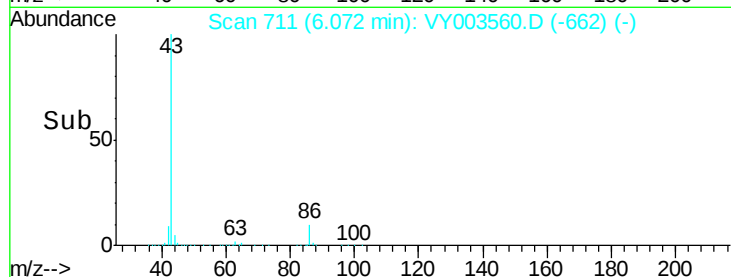
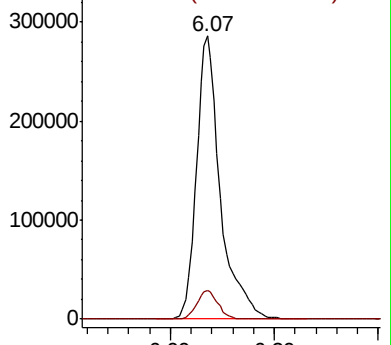
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.851 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

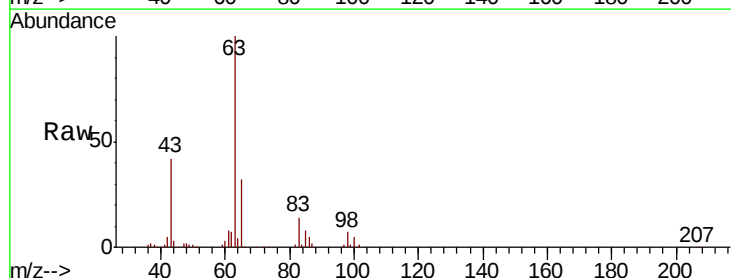
Tgt Ion: 63 Resp: 146875

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

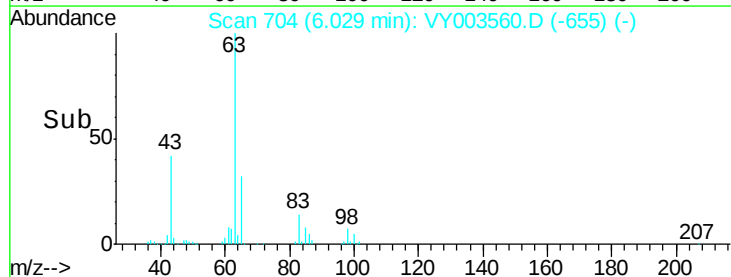
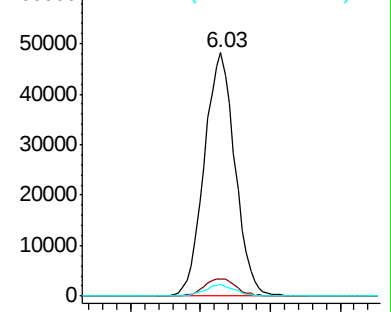
100 4.9 2.5 7.4

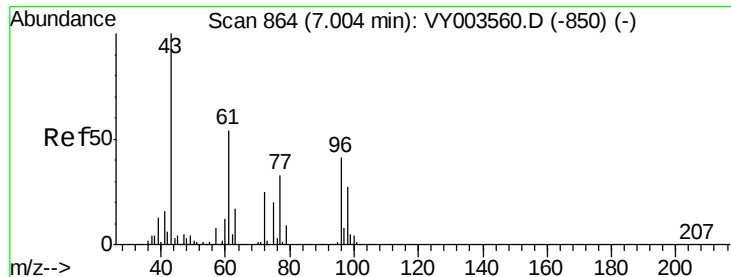


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 282.317 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 198704

Ion Ratio Lower Upper

43 100

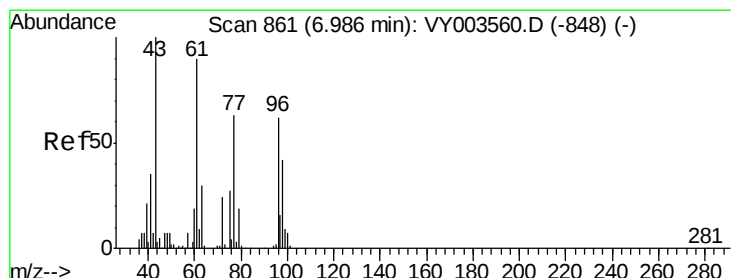
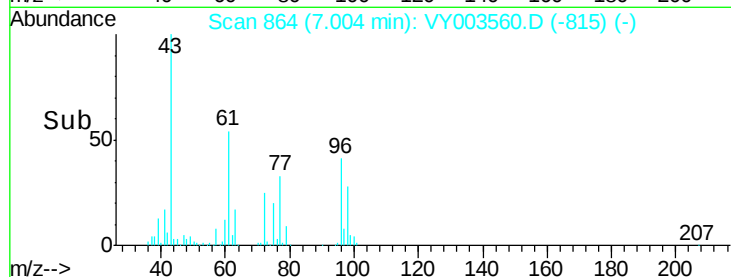
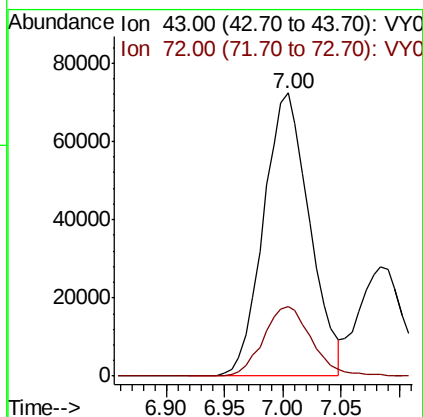
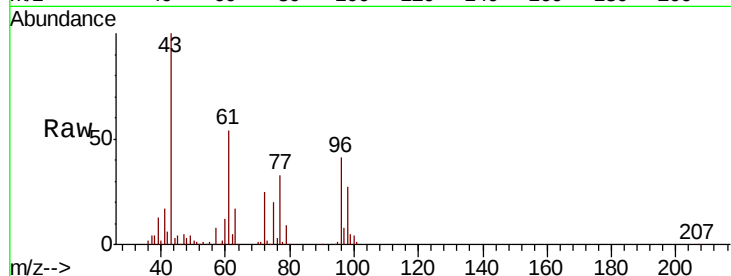
72 24.8 19.8 29.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.092 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY003560.D

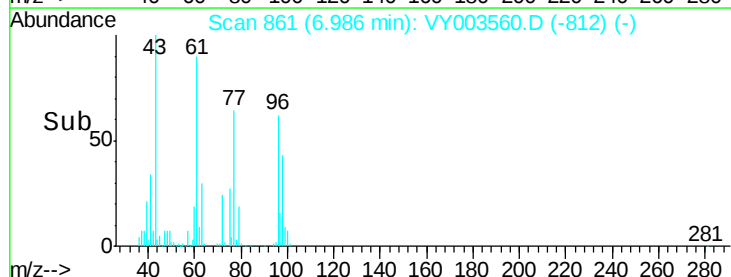
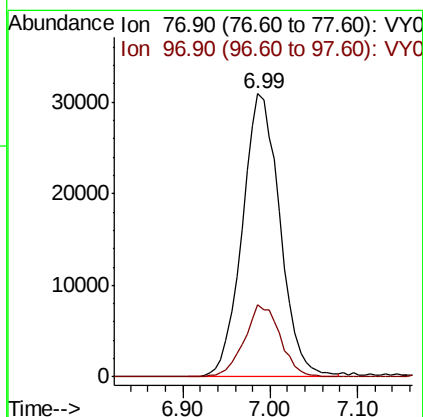
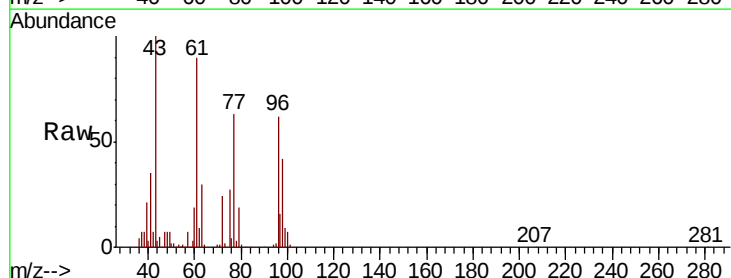
Acq: 20 Nov 2020 11:19

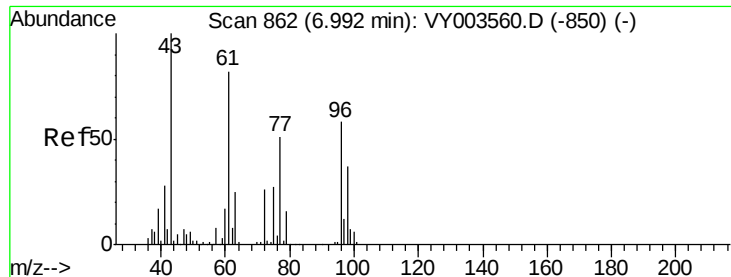
Tgt Ion: 77 Resp: 92656

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





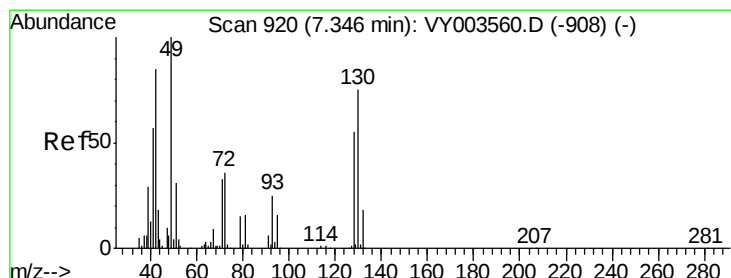
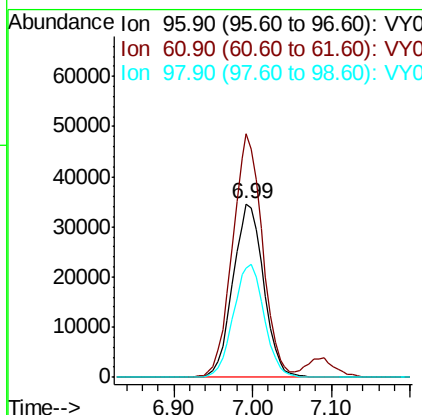
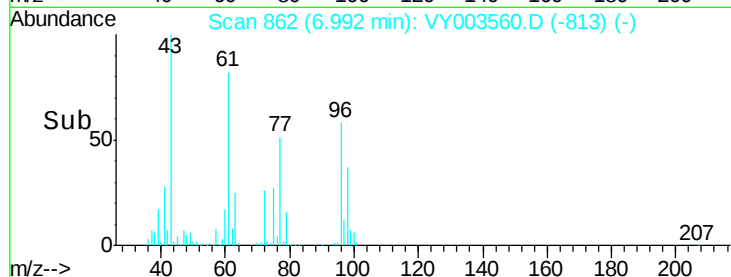
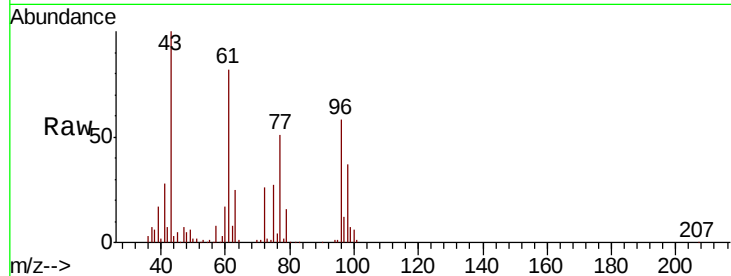
#27
 cis-1,2-Dichloroethene
 Concen: 50.011 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	274.6
98	65.3	0.0	130.6

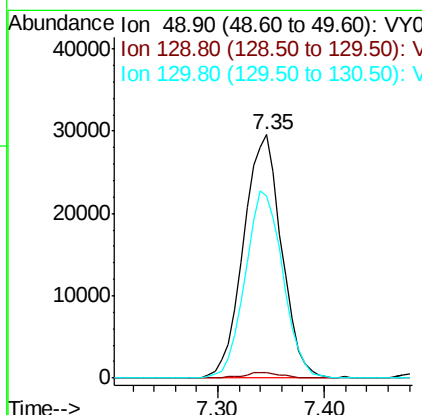
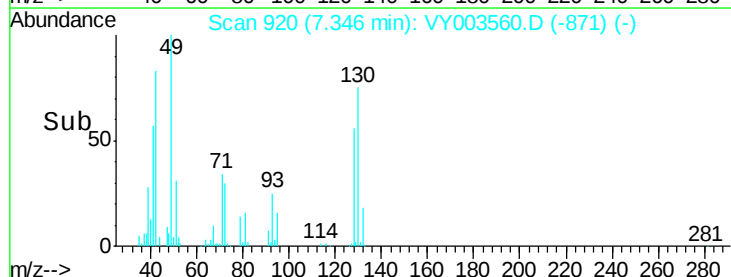
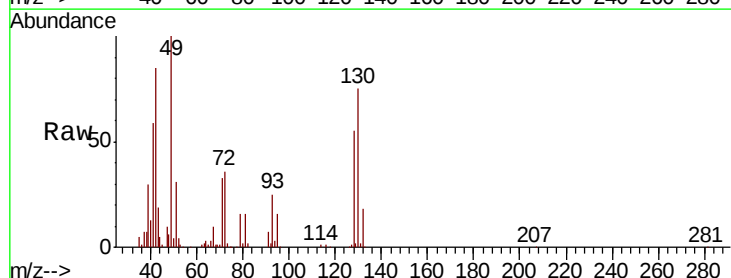
Manual Integrations
 APPROVED

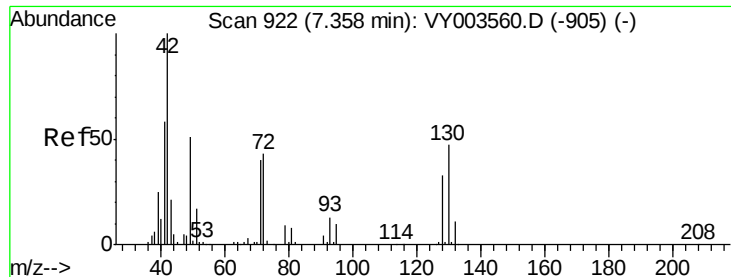
MMDadoda
 11/23/2020 1:39:26 PM



#28
 Bromochloromethane
 Concen: 51.457 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	76.3	61.0	91.6





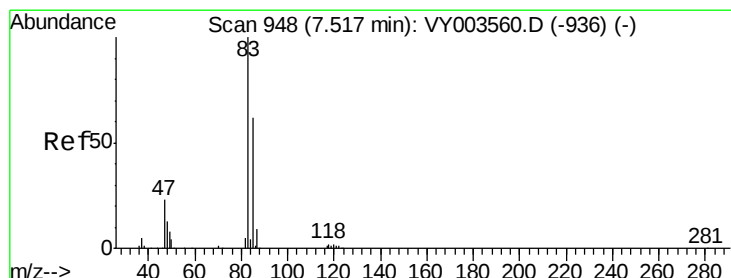
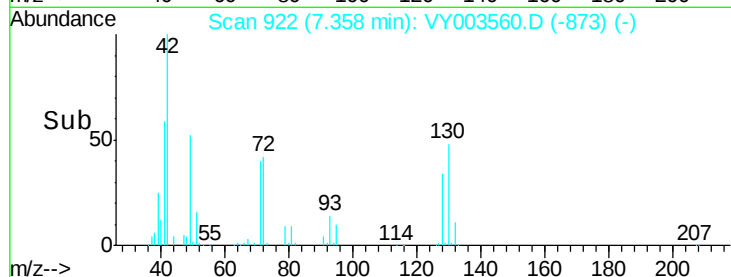
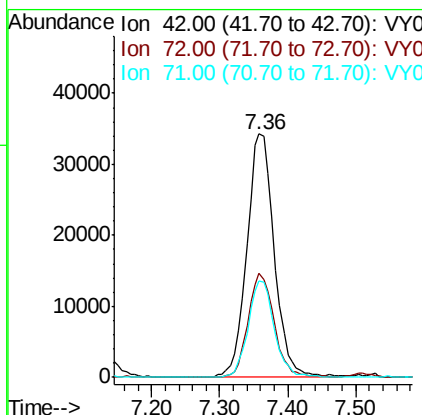
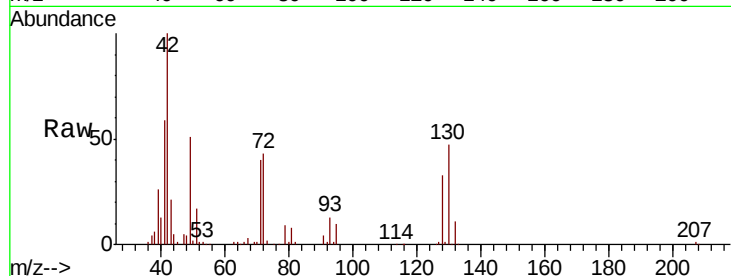
#29
Tetrahydrofuran
Concen: 261.282 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.6	49.0
71	37.7	30.2	45.2

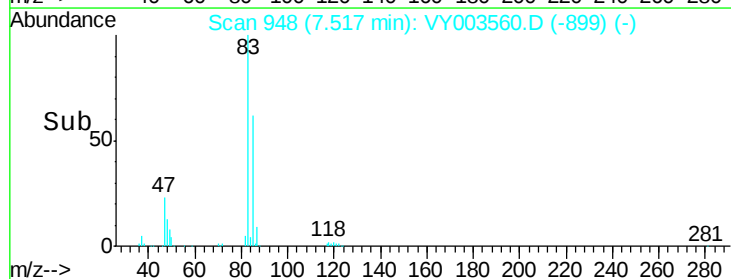
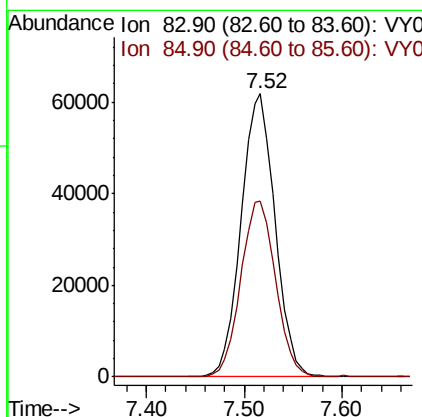
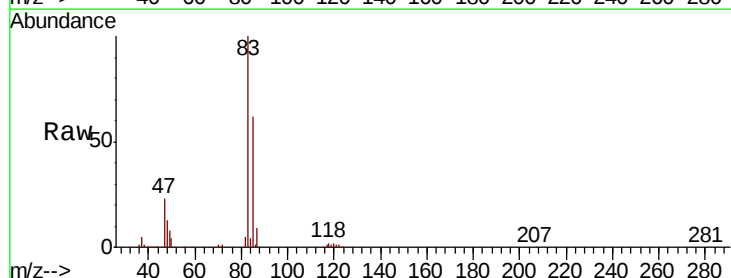
Manual Integrations
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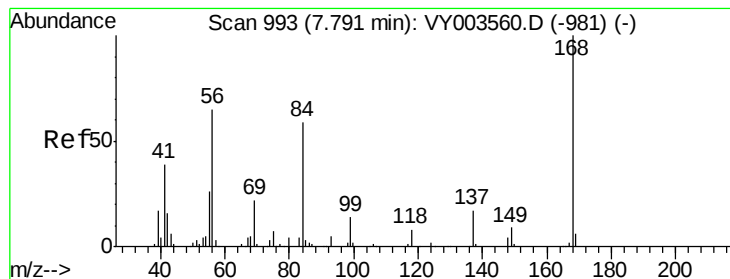
MMDadoda
11/23/2020 1:39:26 PM



#30
Chloroform
Concen: 50.577 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.6	74.4





#31

Cyclohexane

Concen: 48.171 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 113133

Ion Ratio Lower Upper

56 100

69 33.8 27.0 40.6

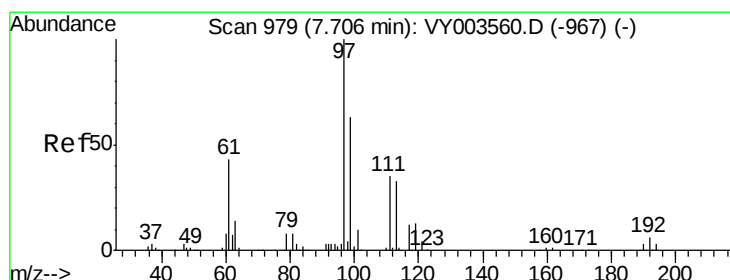
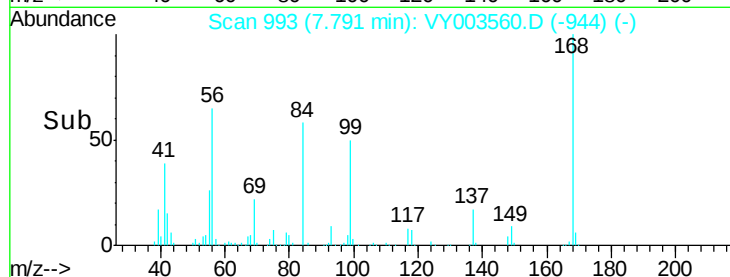
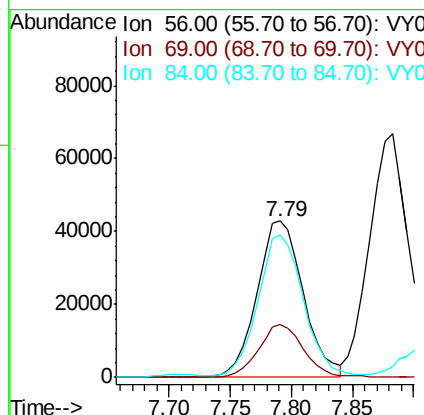
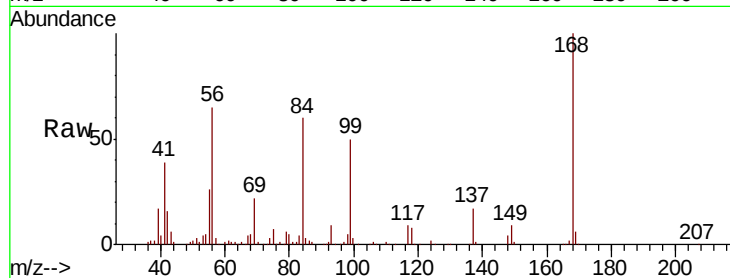
84 89.7 71.8 107.6

Manual Integrations

APPROVED

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11/23/2020 1:39:26 PM



#32

1,1,1-Trichloroethane

Concen: 50.653 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

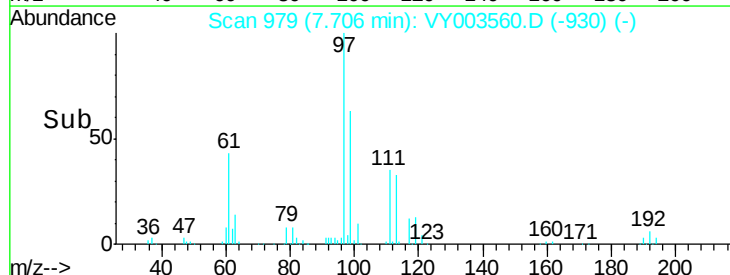
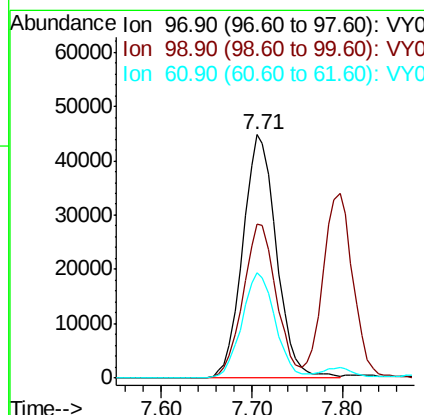
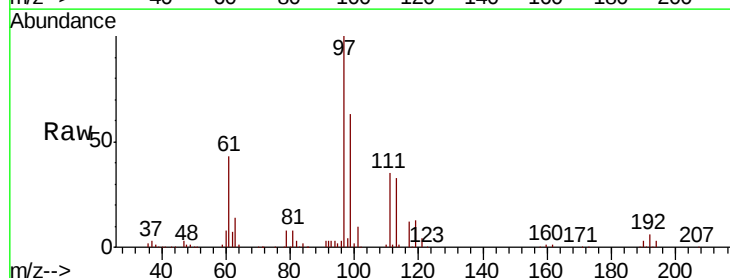
Tgt Ion: 97 Resp: 115081

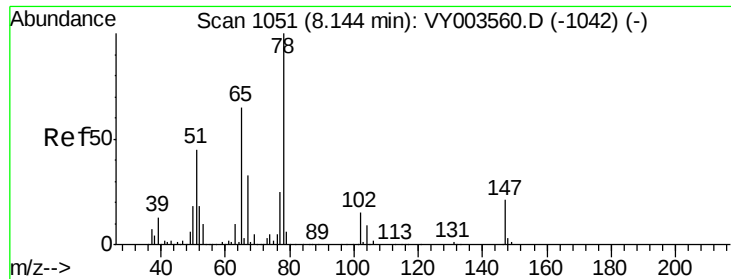
Ion Ratio Lower Upper

97 100

99 62.7 50.2 75.2

61 42.6 34.1 51.1





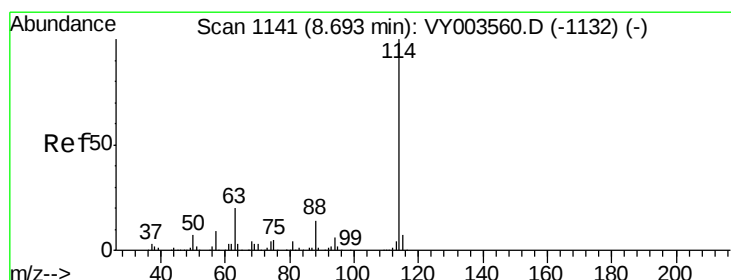
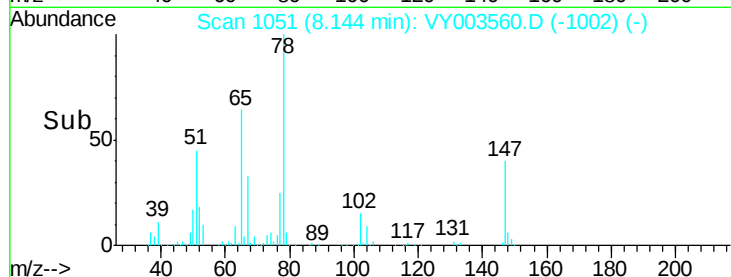
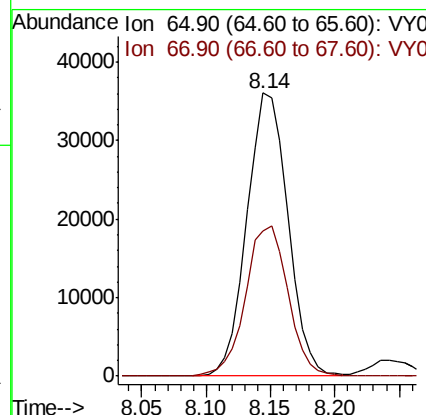
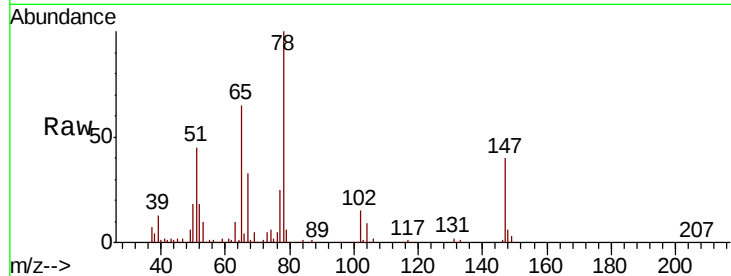
#33
 1,2-Dichloroethane-d4
 Concen: 48.987 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	110.2	

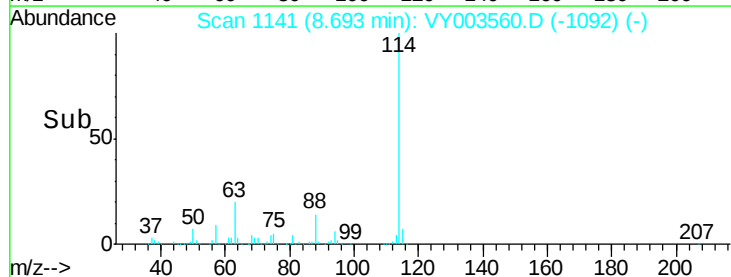
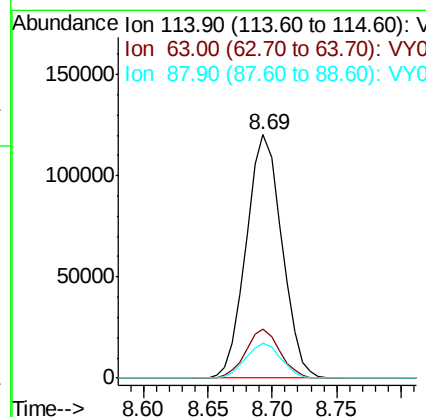
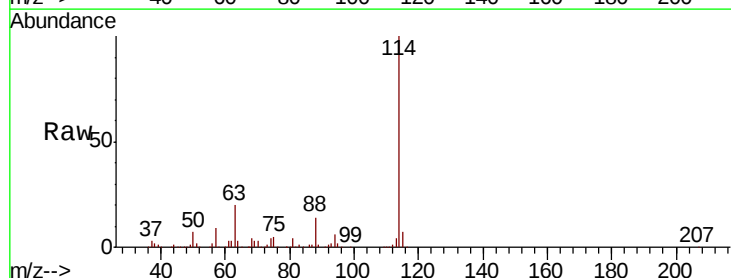
Manual Integrations
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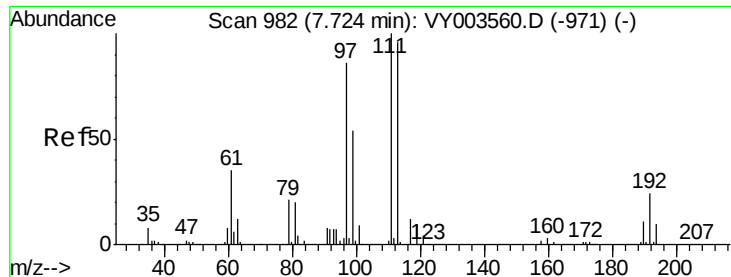
MMDadoda
 11/23/2020 1:39:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	14.5	0.0	29.0	





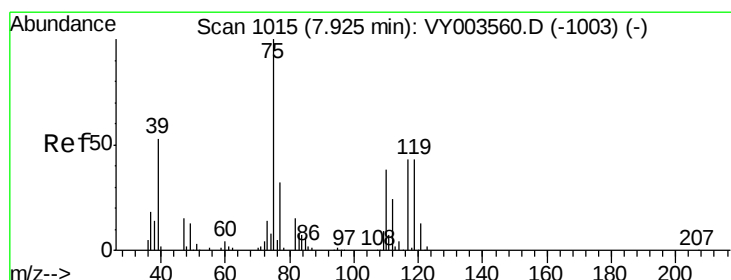
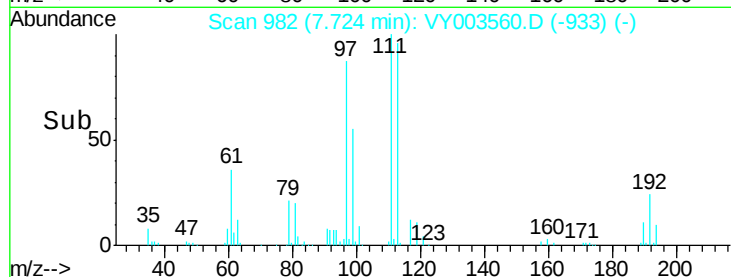
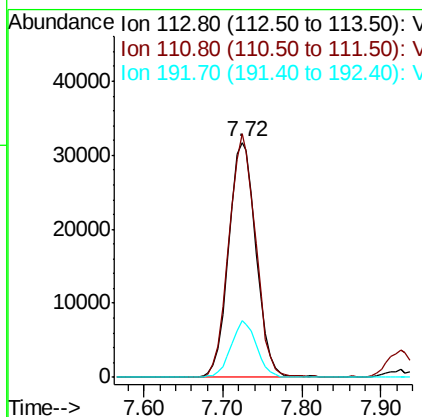
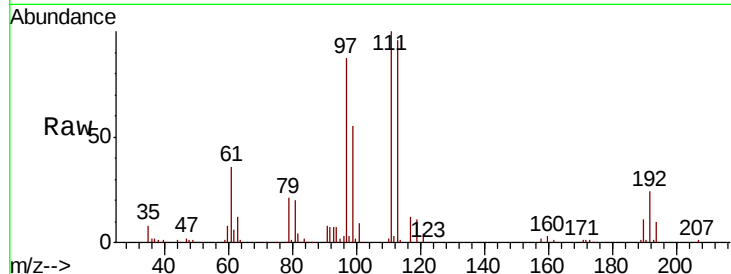
#35
Dibromofluoromethane
Concen: 50.390 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	22.6	18.1	27.1

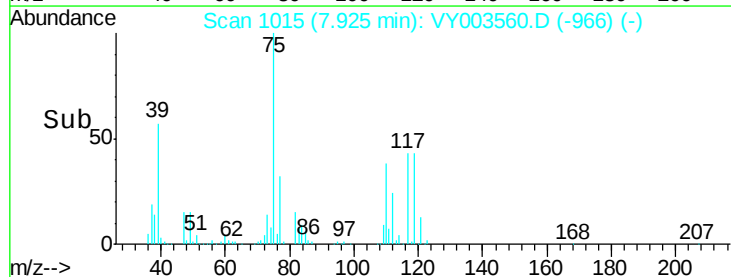
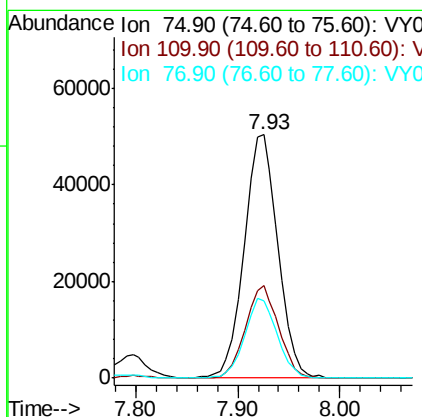
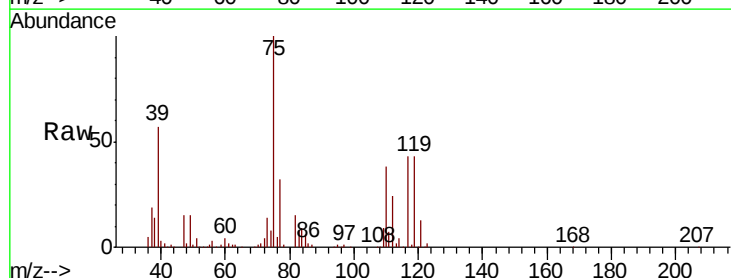
Manual Integrations
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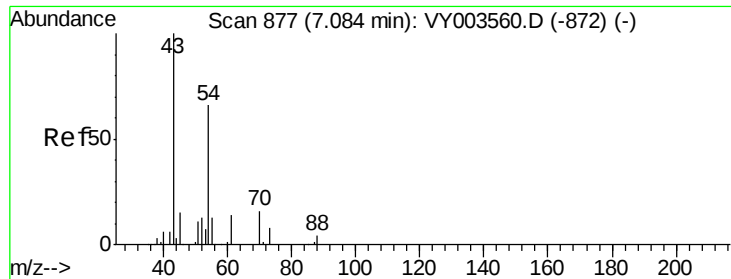
MMDadoda
11/23/2020 1:39:26 PM



#36
1,1-Dichloropropene
Concen: 50.571 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.7	56.1
77	31.8	25.4	38.2





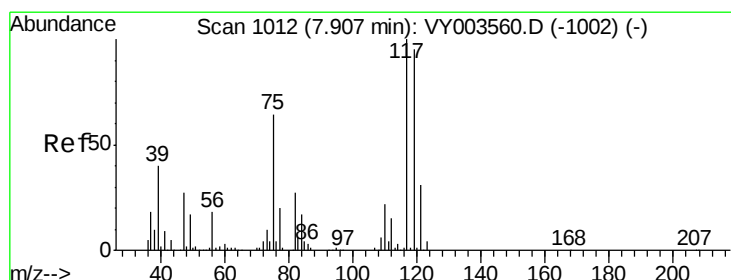
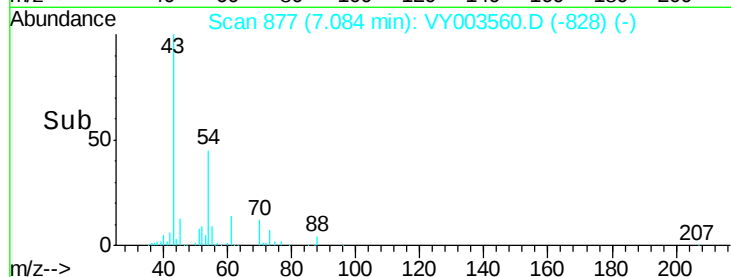
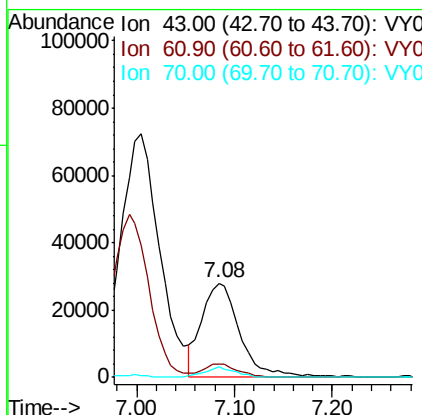
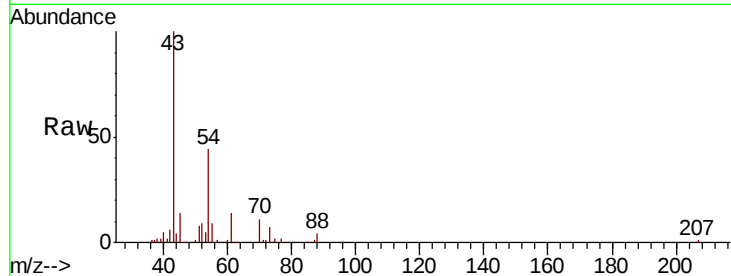
#37
Ethyl Acetate
Concen: 53.699 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.4	7.5	11.3

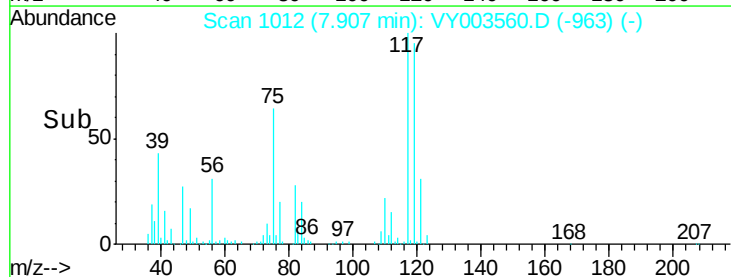
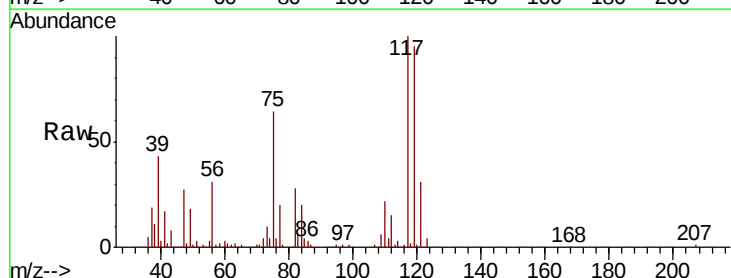
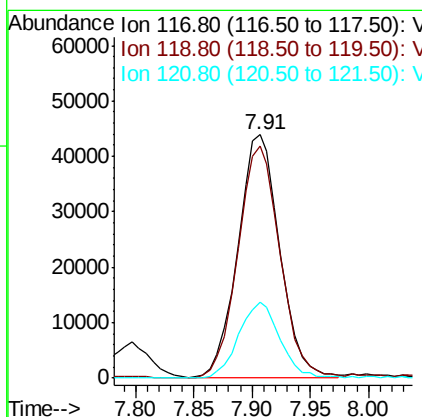
Manual Integrations
APPROVED

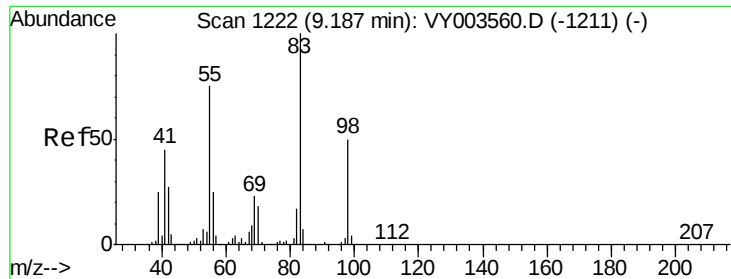
MMDadoda
11/23/2020 1:39:26 PM



#38
Carbon Tetrachloride
Concen: 51.798 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	31.4	25.1	37.7





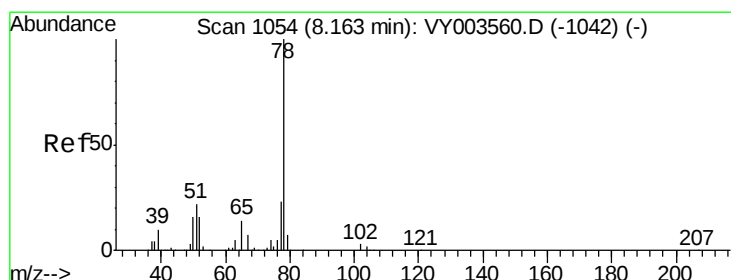
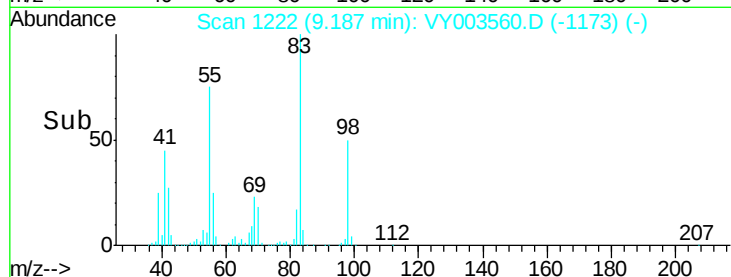
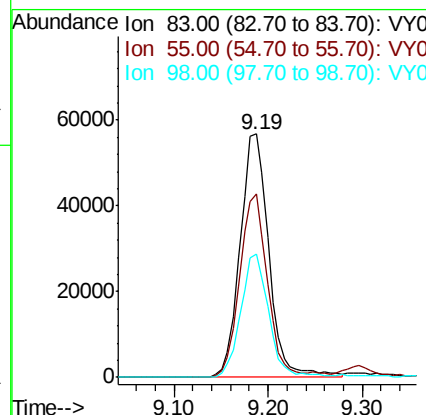
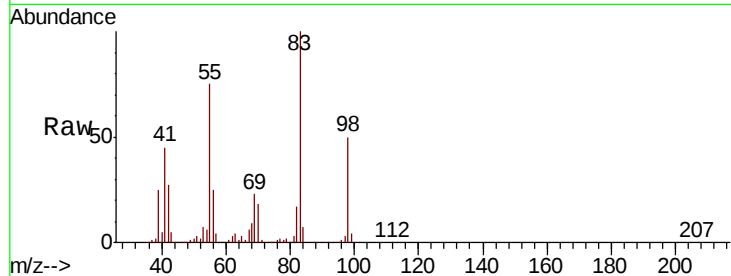
#39
Methvlcvclohexane
Concen: 52.394 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.2	90.4
98	50.4	40.3	60.5

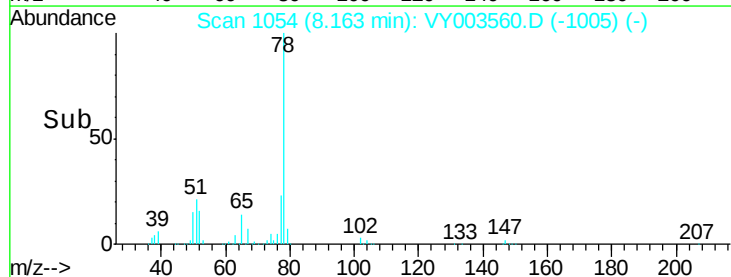
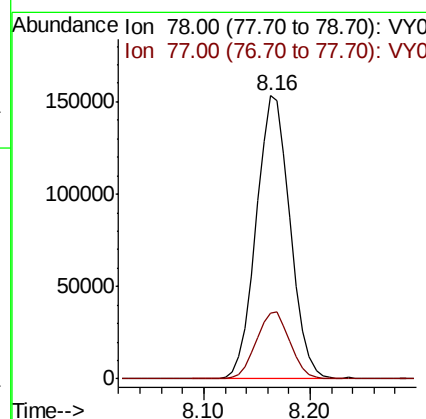
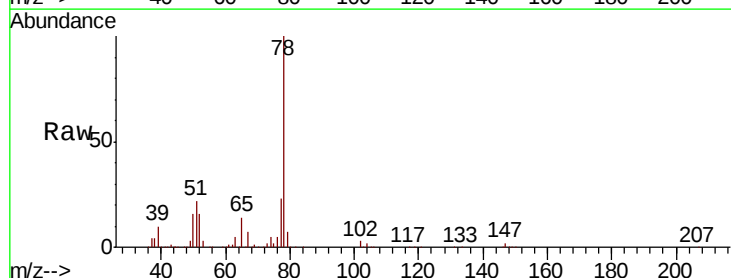
Manual Integrations
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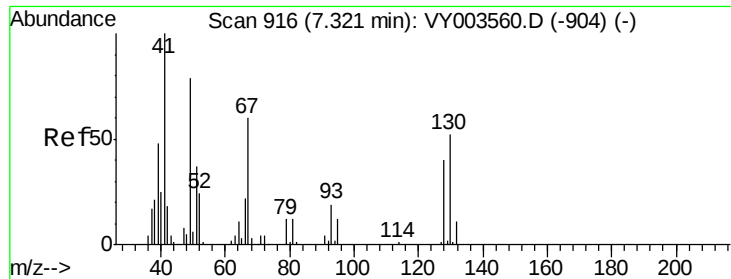
MMDadoda
11/23/2020 1:39:26 PM



#40
Benzene
Concen: 50.713 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





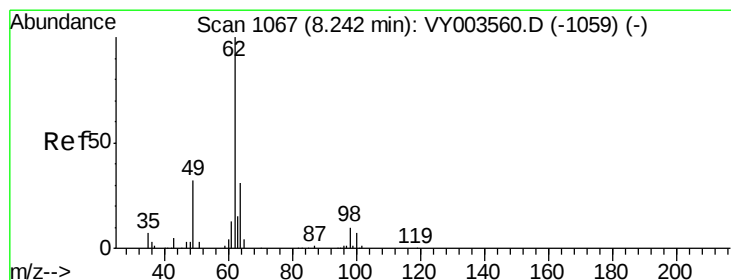
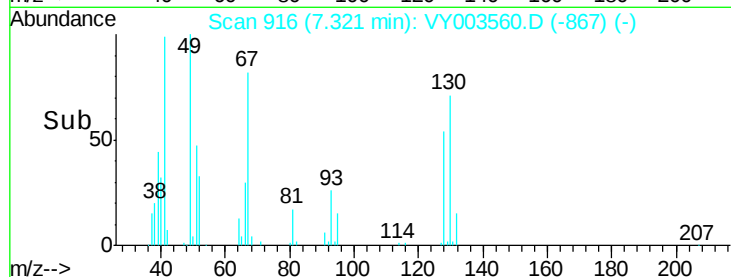
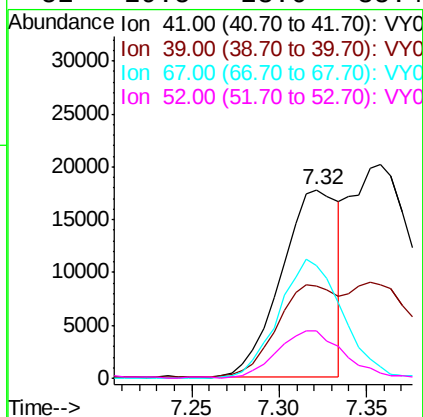
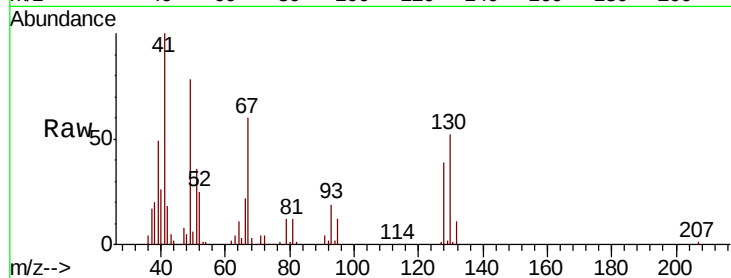
#41
Methacrylonitrile
Concen: 59.829 ug/l
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	41.4	62.0	
67	71.5	57.2	85.8	
52	29.5	23.6	35.4	

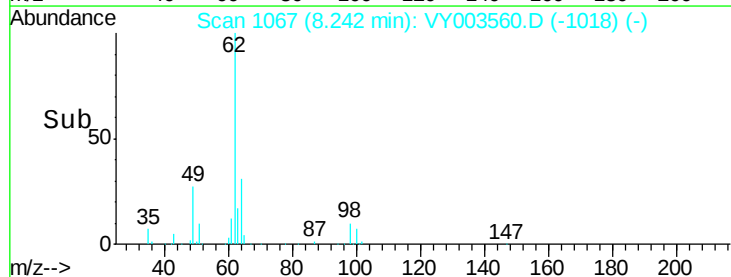
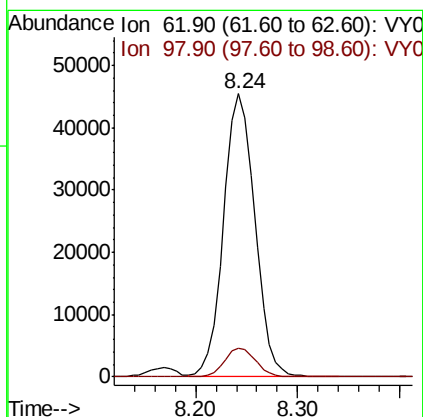
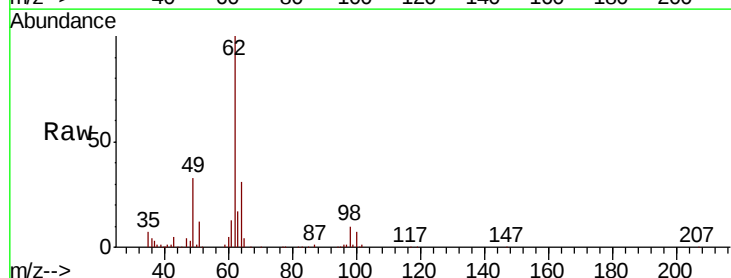
Manual Integrations
APPROVED

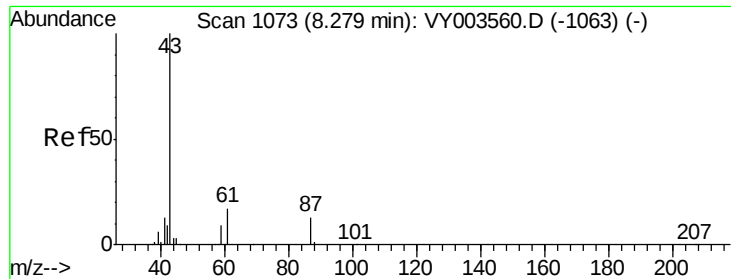
MMDadoda
11/23/2020 1:39:26 PM



#42
1,2-Dichloroethane
Concen: 50.260 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





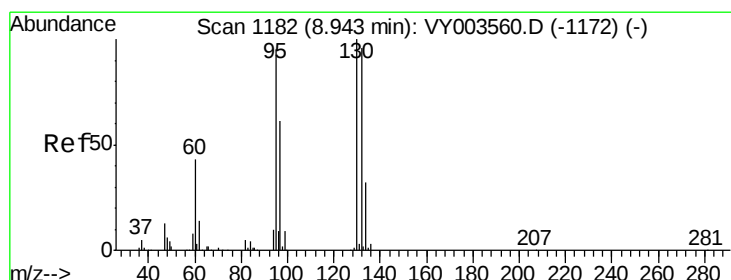
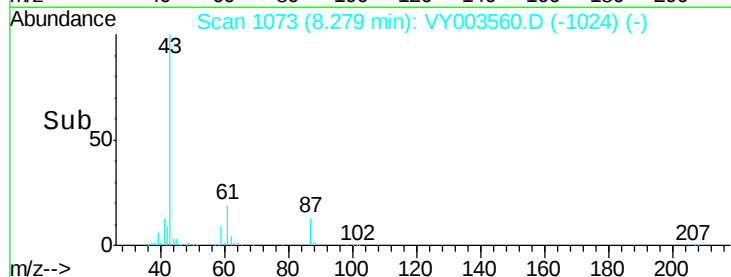
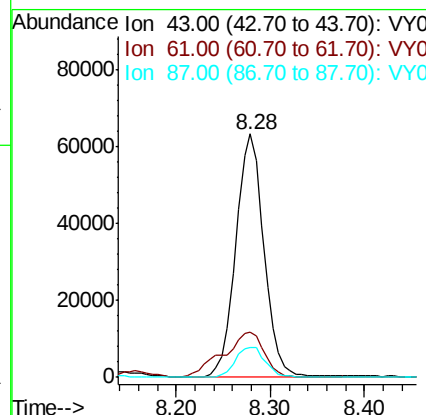
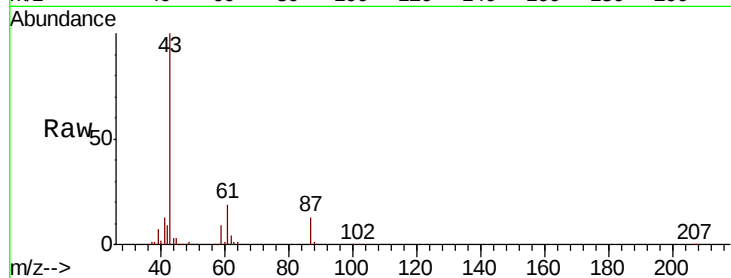
#43
Isopropyl Acetate
Concen: 52.082 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	131176
Ion Ratio	100	Lower	Upper
43	100		
61	26.7	21.4	32.0
87	13.4	10.7	16.1

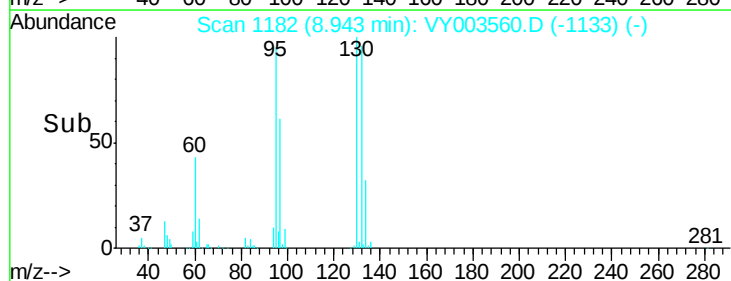
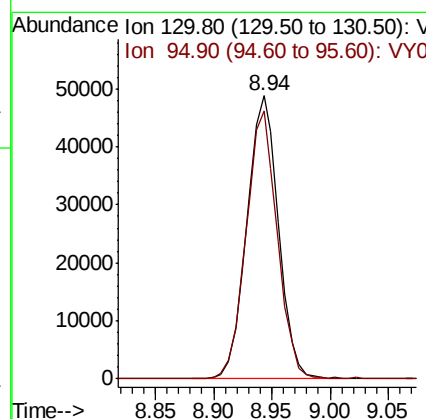
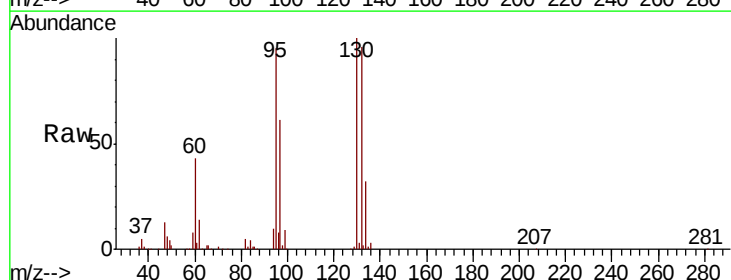
Manual Integrations
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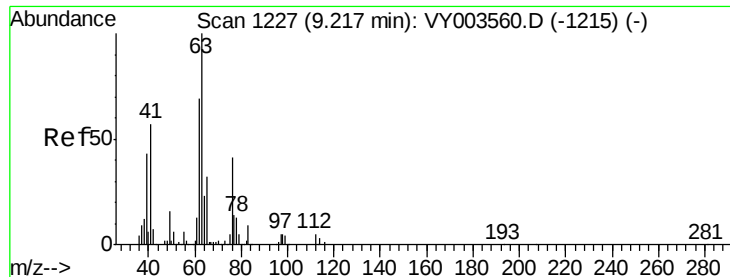
MMDadoda
11/23/2020 1:39:26 PM



#44
Trichloroethene
Concen: 50.180 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	130	Resp	92261
Ion Ratio	100	Lower	Upper
130	100		
95	94.6	0.0	189.2





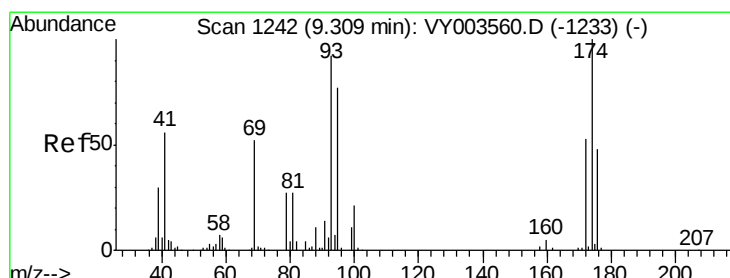
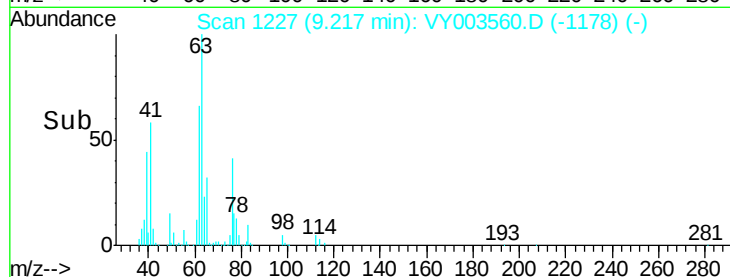
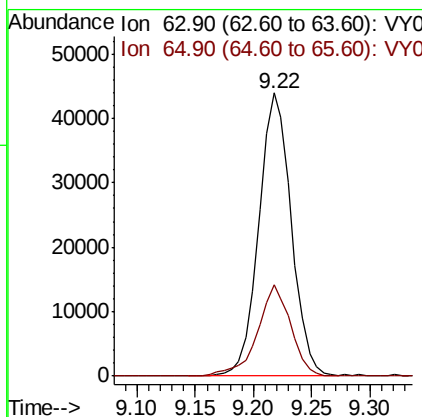
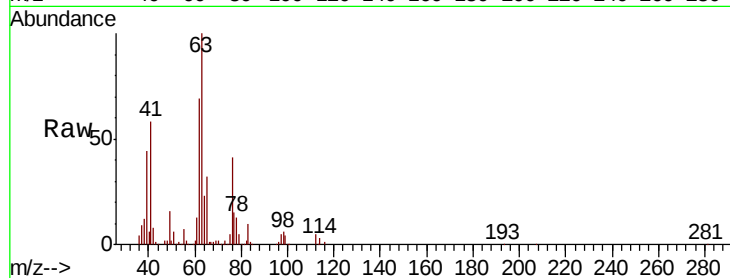
#45
 1,2-Dichloropropane
 Concen: 51.074 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

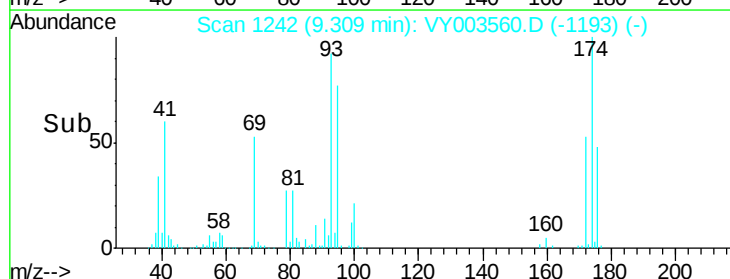
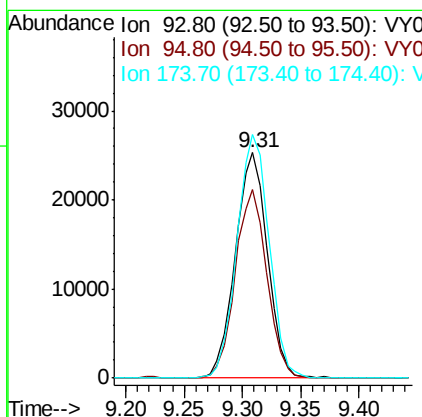
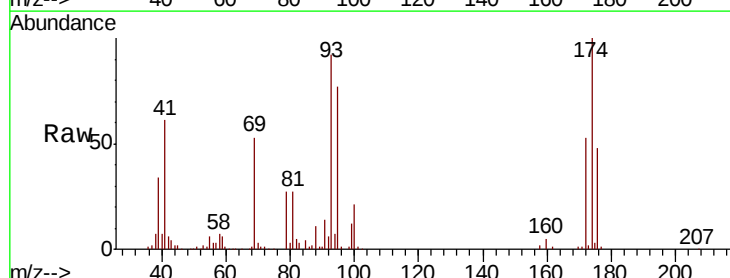
Manual Integrations
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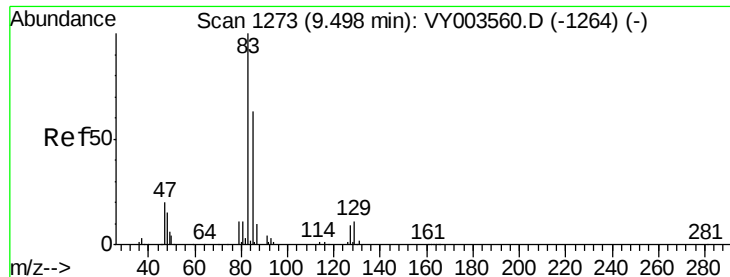
MMDadoda
 11/23/2020 1:39:26 PM



#46
 Dibromomethane
 Concen: 51.049 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	108.5	86.8	130.2





#47

Bromodichloromethane

Concen: 50.642 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

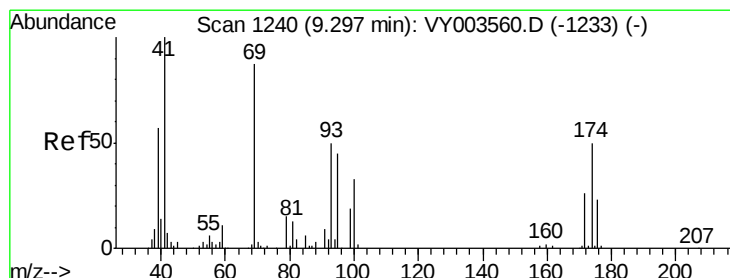
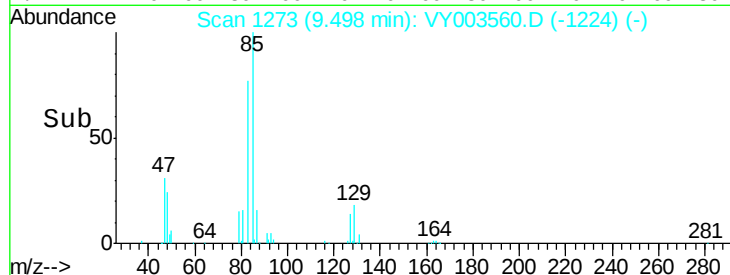
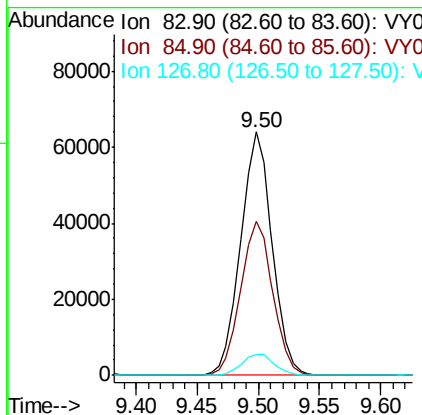
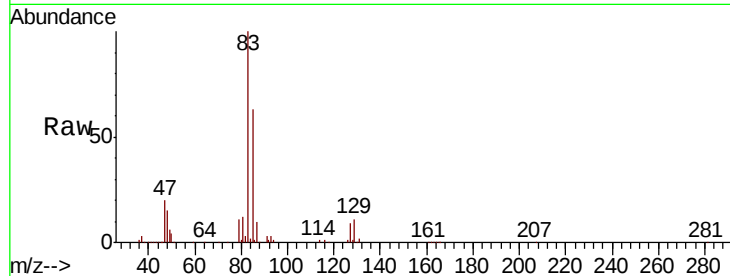
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	114578
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.321 ug/l

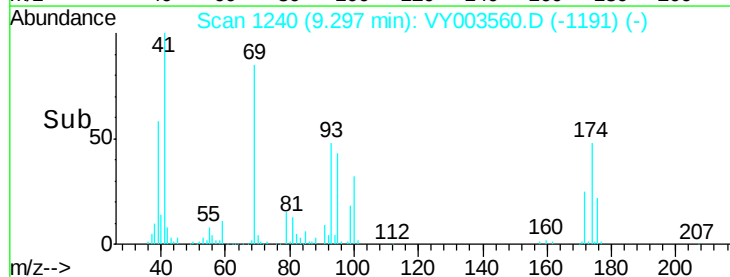
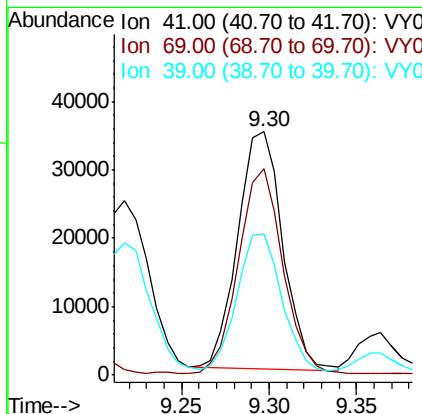
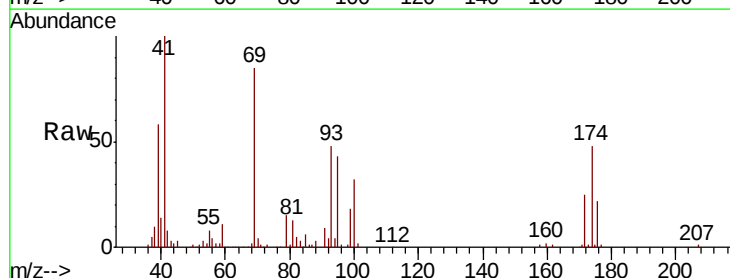
RT: 9.30 min Scan# 1240

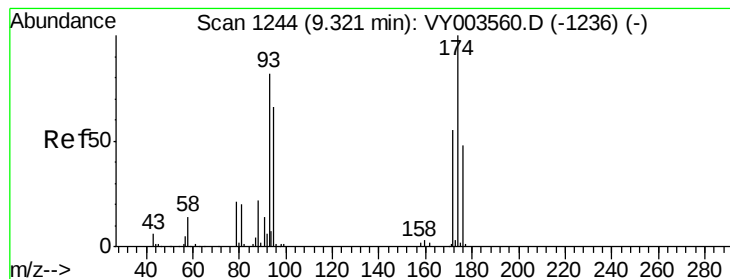
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion:	41	Resp:	61874
Ion	Ratio	Lower	Upper
41	100		
69	85.7	68.6	102.8
39	61.0	48.8	73.2





#49

1,4-Dioxane

Concen: 1149.726 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 12548

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

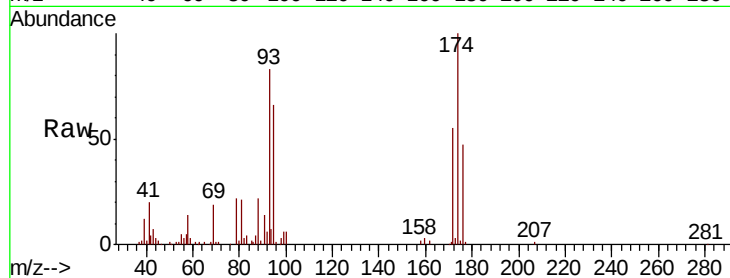
58 63.6 50.9 76.3

Manual Integrations

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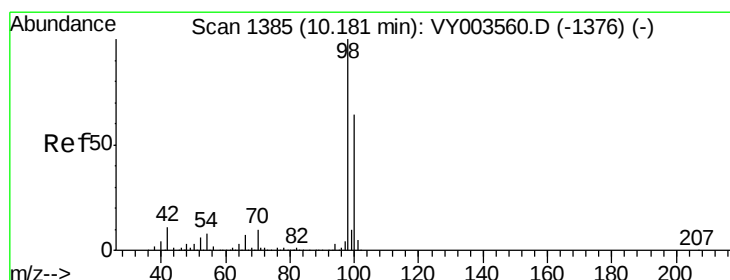
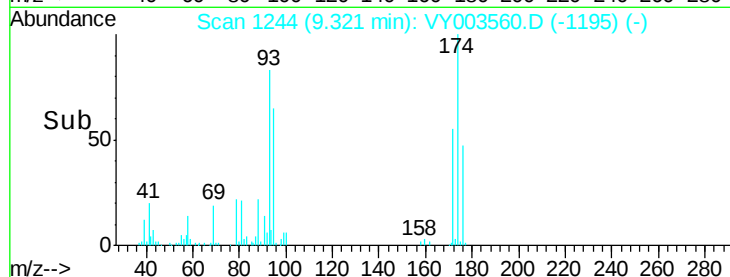
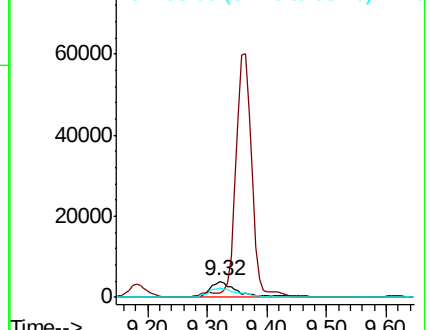


Abundance

Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 50.239 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003560.D

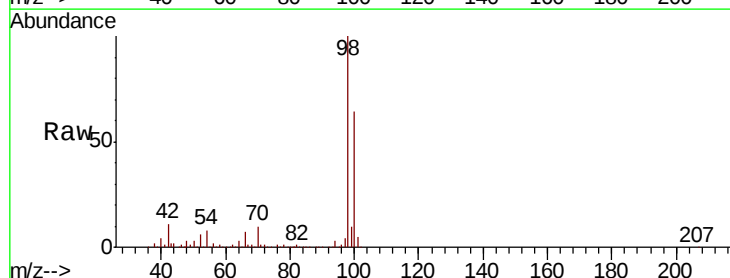
Acq: 20 Nov 2020 11:19

Tgt Ion: 98 Resp: 296903

Ion Ratio Lower Upper

98 100

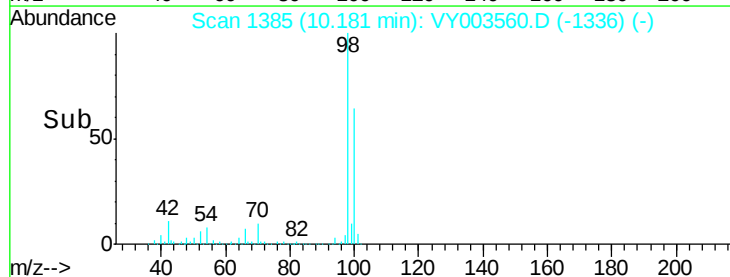
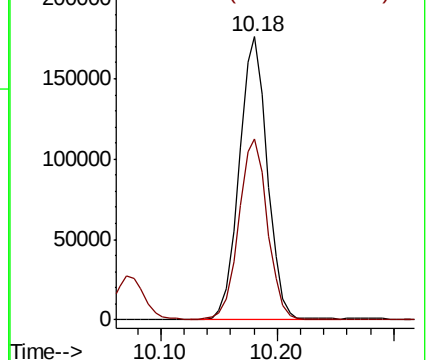
100 64.3 51.4 77.2

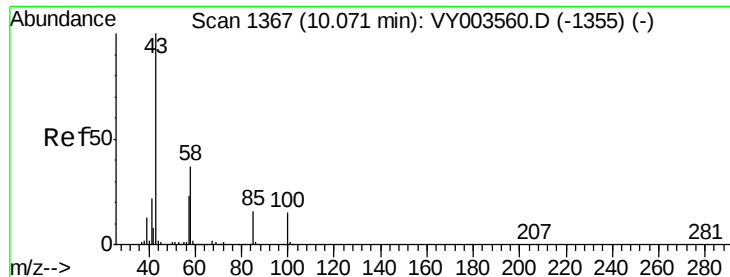


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





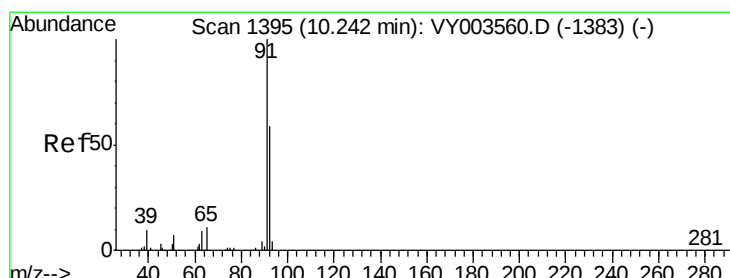
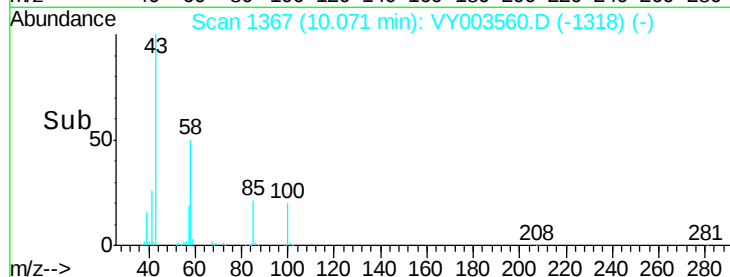
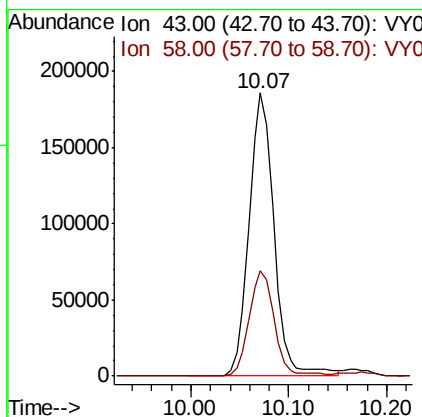
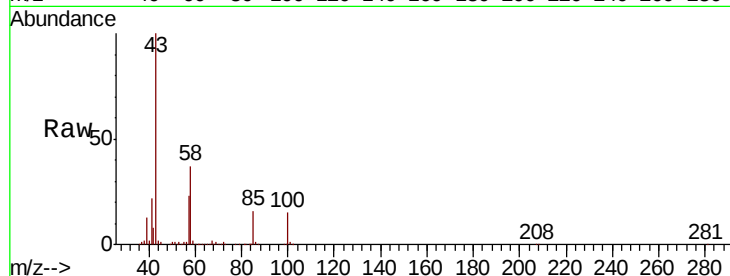
#51
4-Methyl-2-Pentanone
Concen: 273.047 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.8	44.8

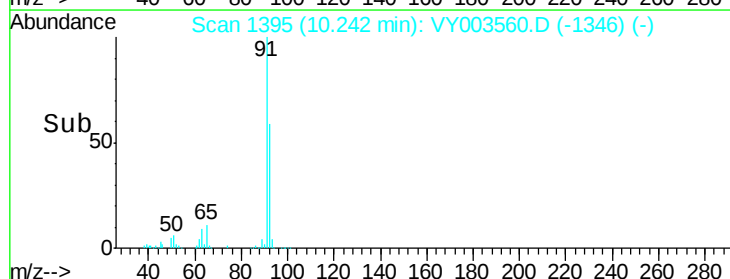
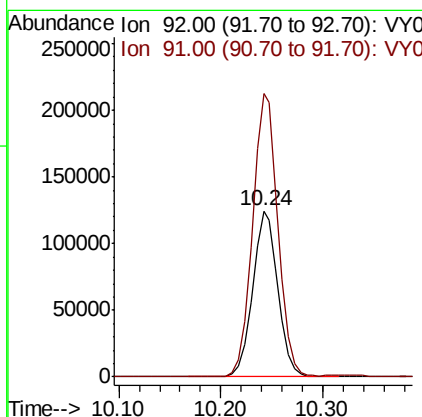
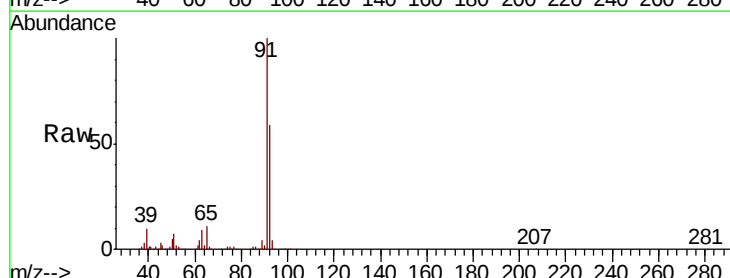
Manual Integrations
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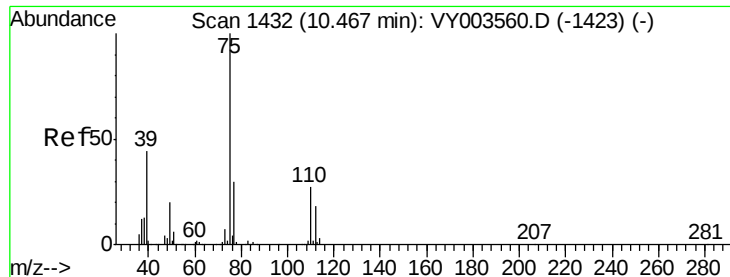
MMDadoda
11/23/2020 1:39:26 PM



#52
Toluene
Concen: 51.675 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 52.076 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 123315

Ion Ratio Lower Upper

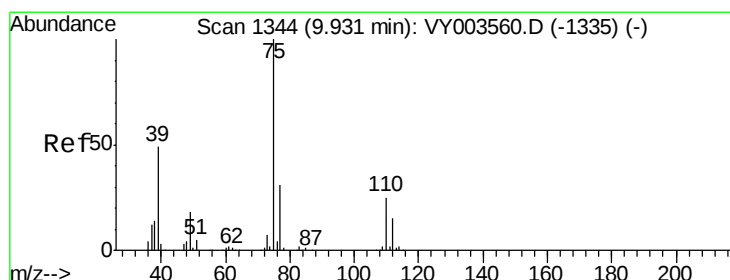
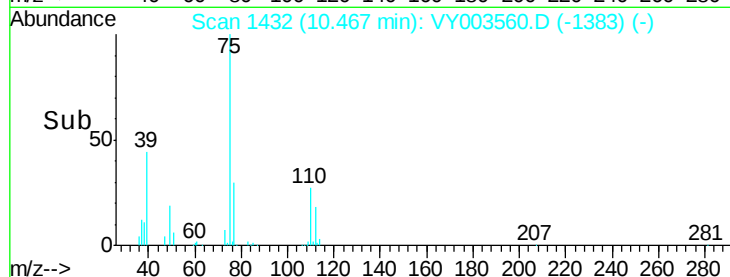
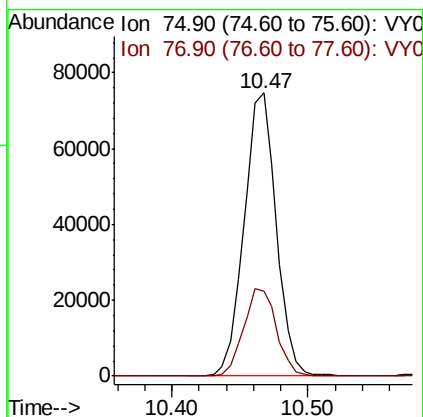
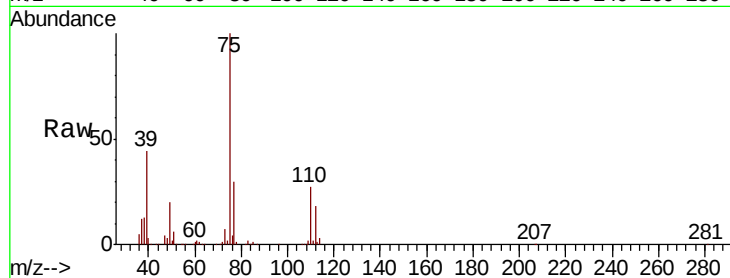
75 100

77 30.0 24.0 36.0

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#54

cis-1,3-Dichloropropene

Concen: 51.925 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

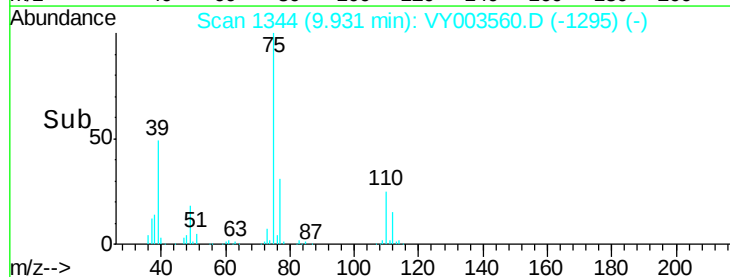
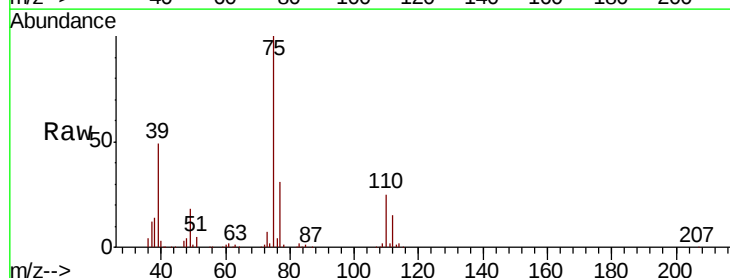
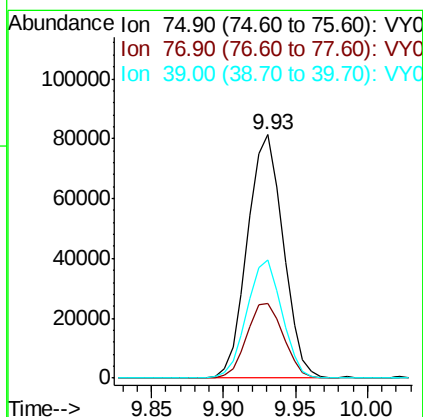
Tgt Ion: 75 Resp: 139946

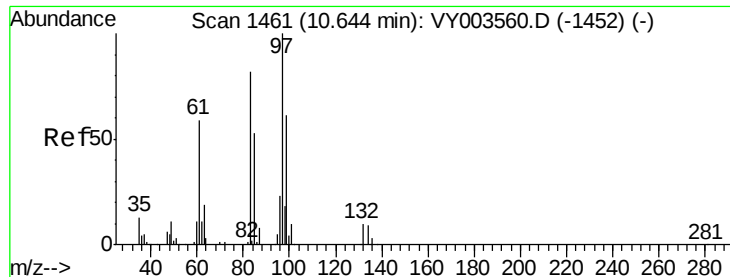
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 48.6 38.9 58.3





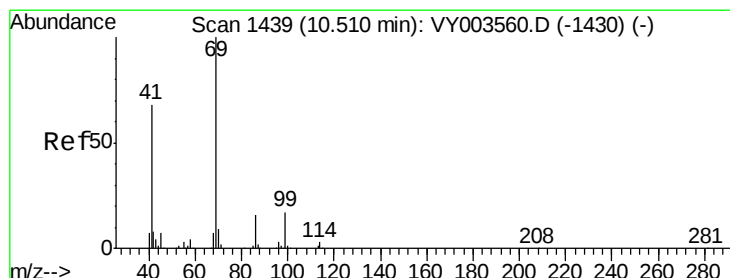
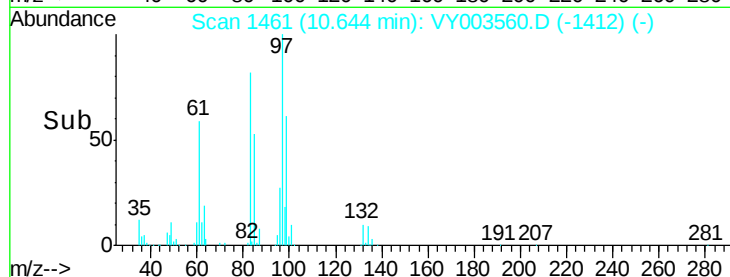
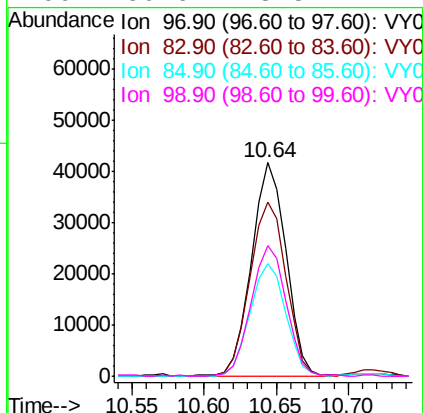
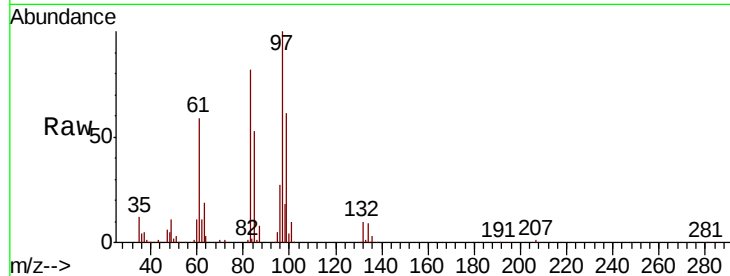
#55
 1,1,2-Trichloroethane
 Concen: 51.319 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	69334
Ion	Ratio	Lower	Upper
97	100		
83	81.5	65.2	97.8
85	53.0	42.4	63.6
99	60.6	48.5	72.7

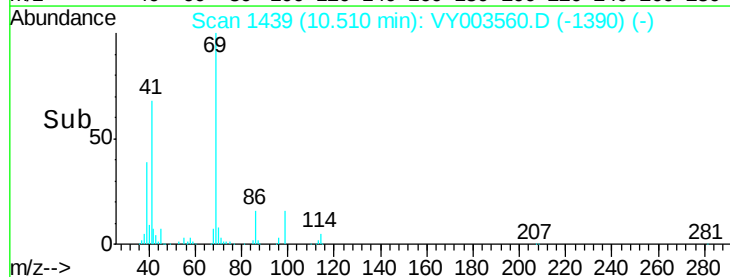
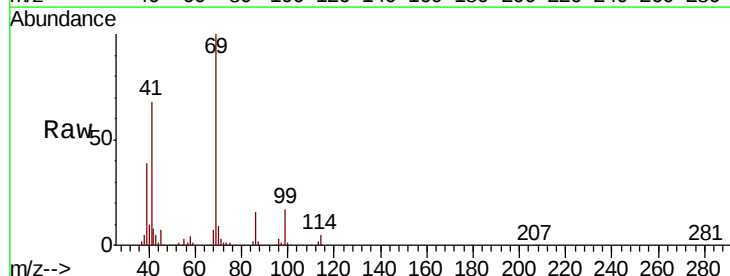
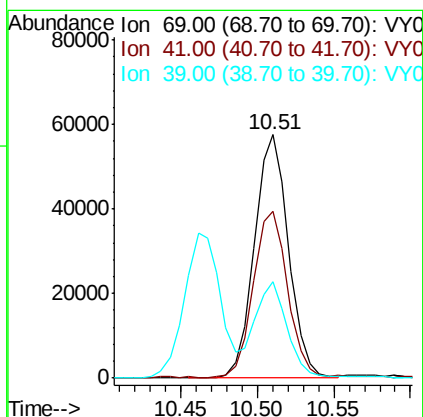
Manual Integrations
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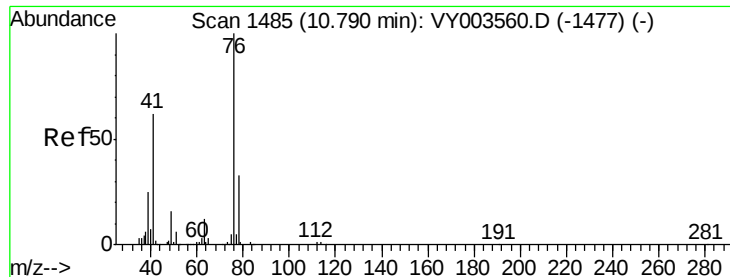
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#56
 Ethyl methacrylate
 Concen: 54.322 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion:	69	Resp:	89188
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.4	83.0
39	37.7	30.2	45.2





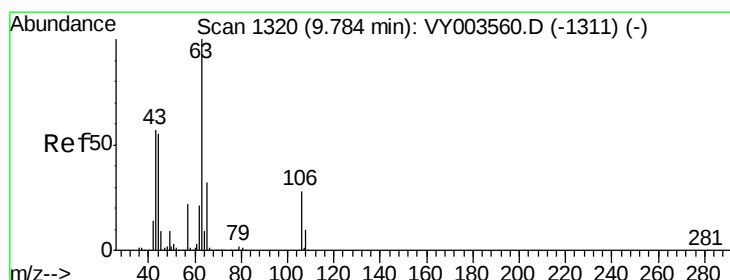
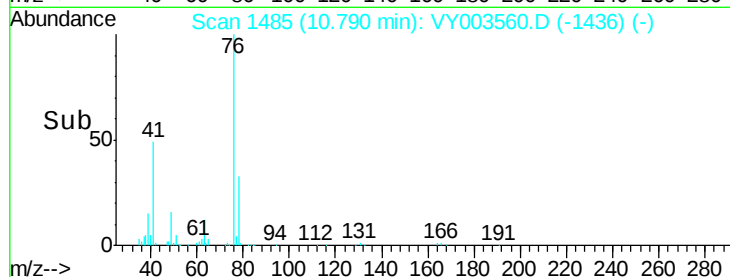
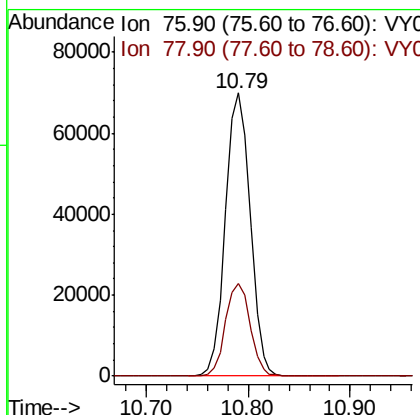
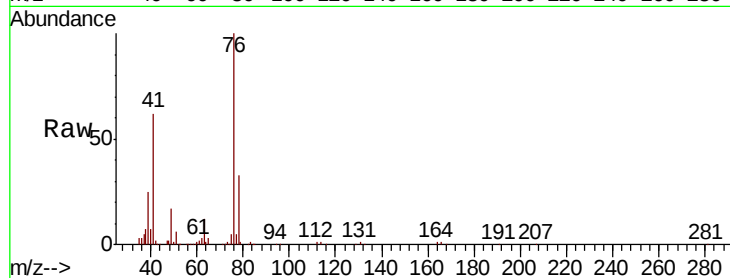
#57
 1,3-Dichloropropane
 Concen: 51.655 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

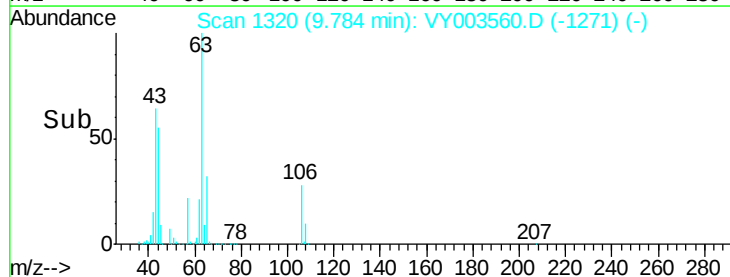
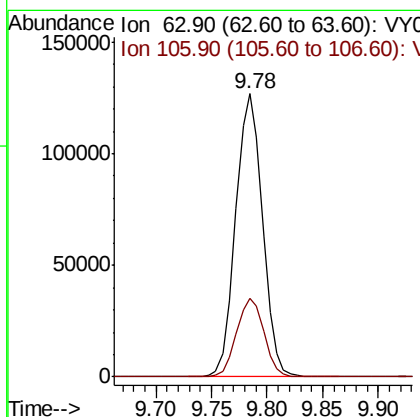
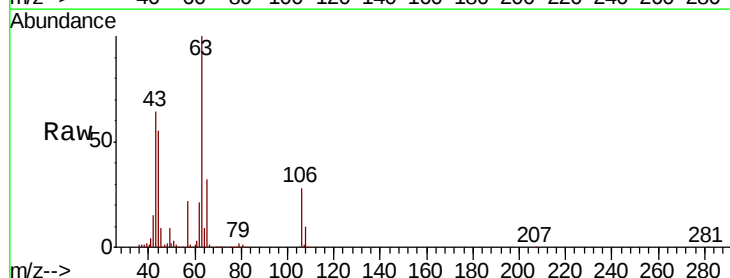
Manual Integrations
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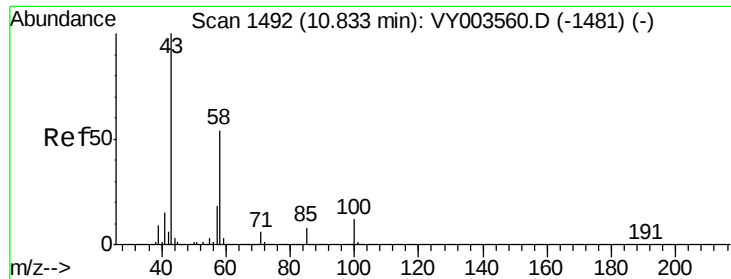
MMDadoda
 11/23/2020 1:39:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.356 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.6	34.0





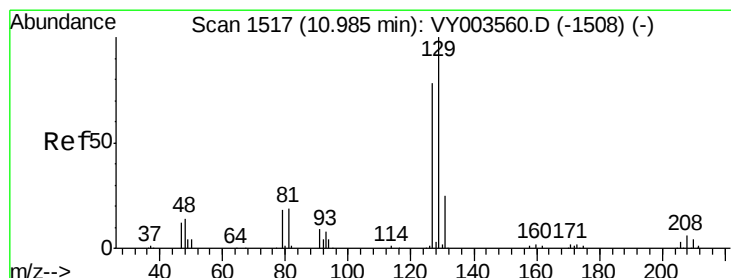
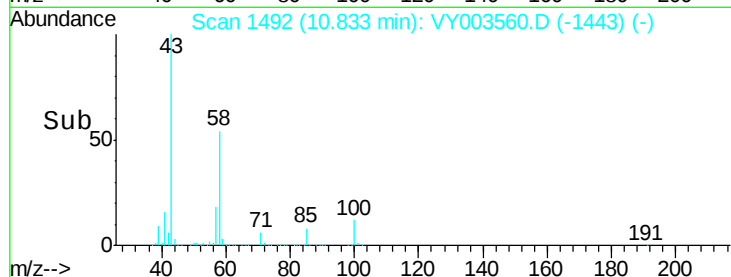
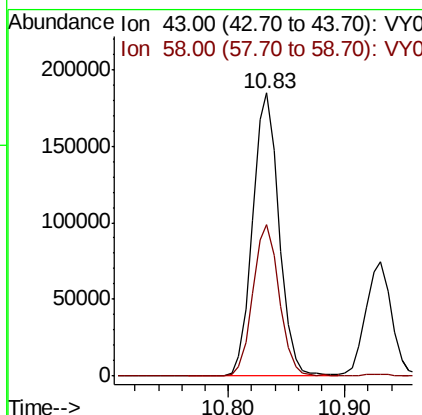
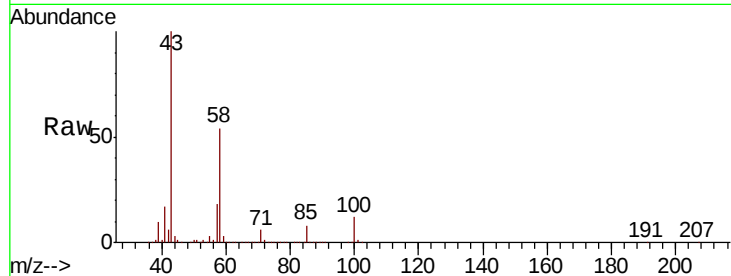
#59
2-Hexanone
Concen: 292.732 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 291295
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

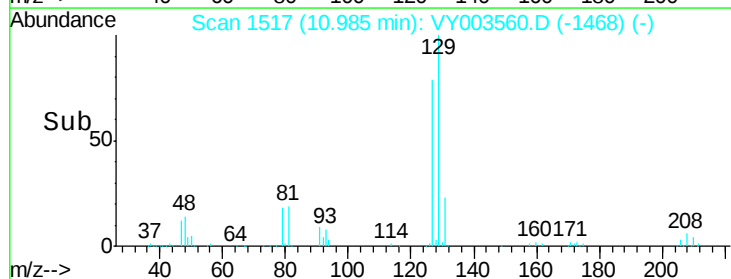
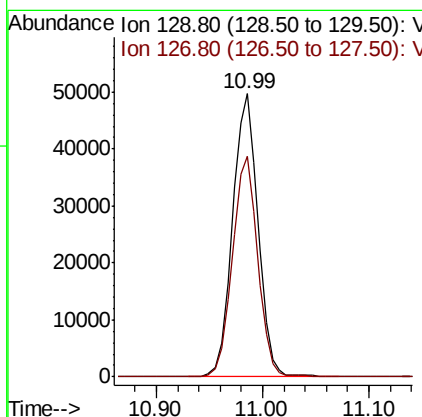
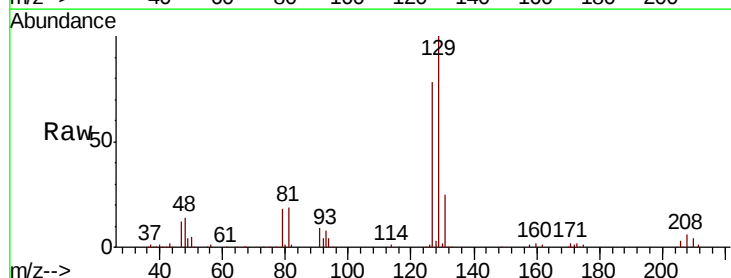
Manual Integrations
APPROVED

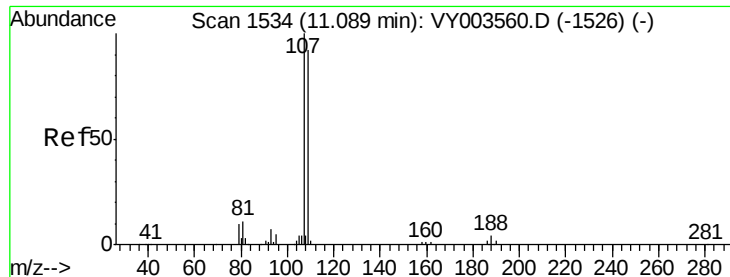
MMDadoda
11/23/2020 1:39:26 PM



#60
Dibromochloromethane
Concen: 50.899 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion: 129 Resp: 83146
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





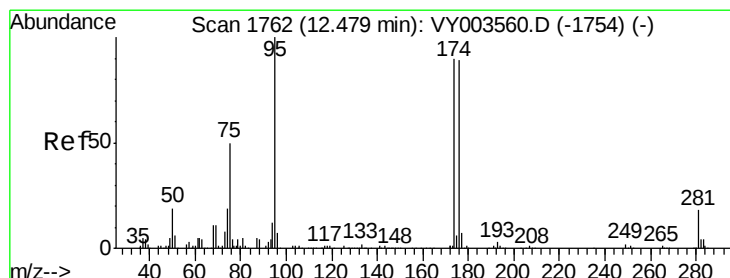
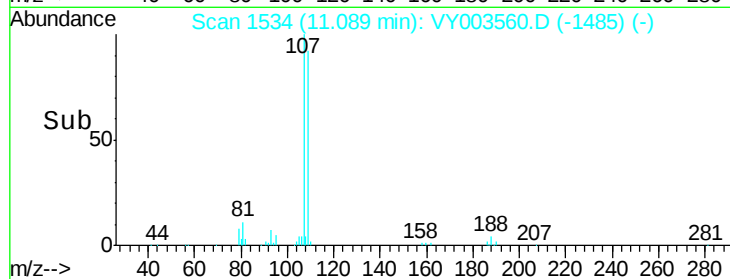
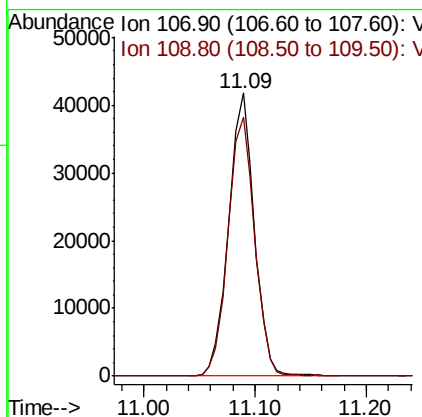
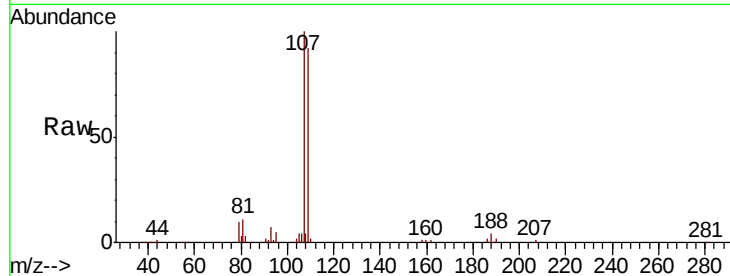
#61
 1,2-Dibromoethane
 Concen: 51.195 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 66654
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.9 113.9

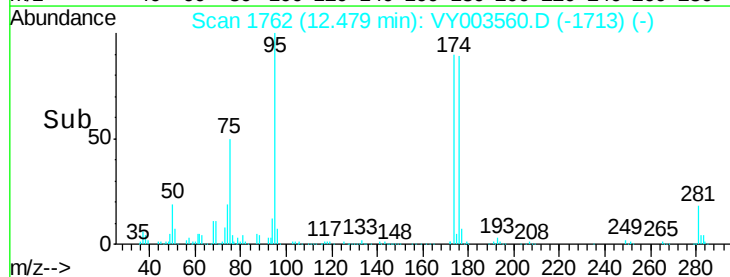
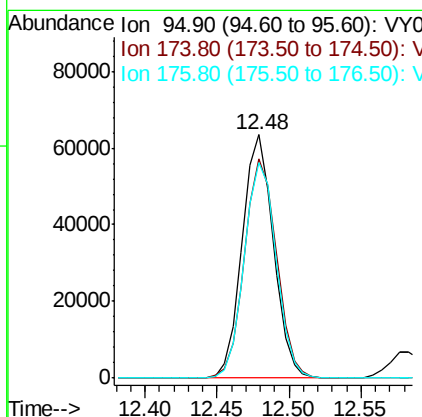
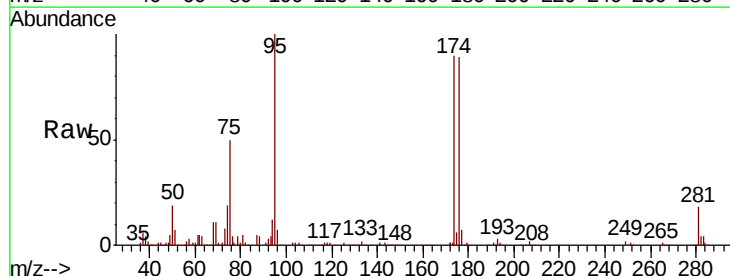
Manual Integrations
 APPROVED

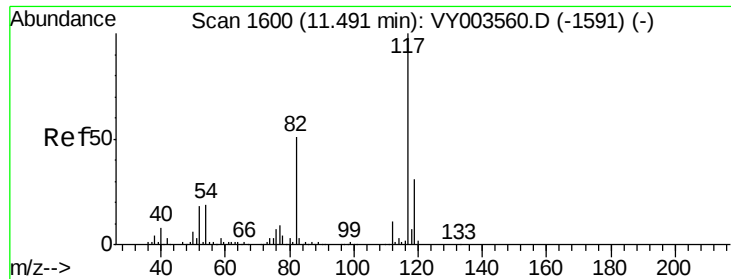
MMDadoda
 11/23/2020 1:39:26 PM



#62
 4-Bromofluorobenzene
 Concen: 50.999 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion: 95 Resp: 95648
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 184.0
 176 90.2 0.0 180.4





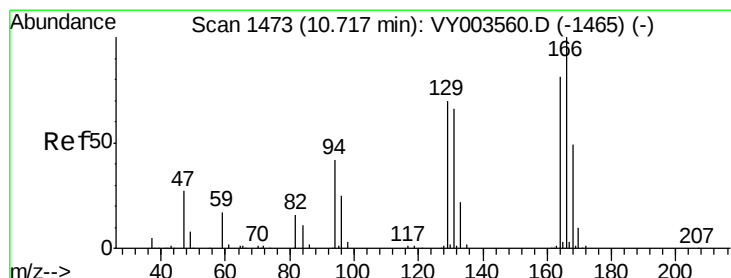
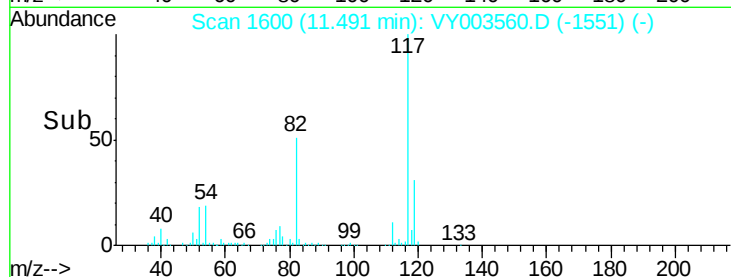
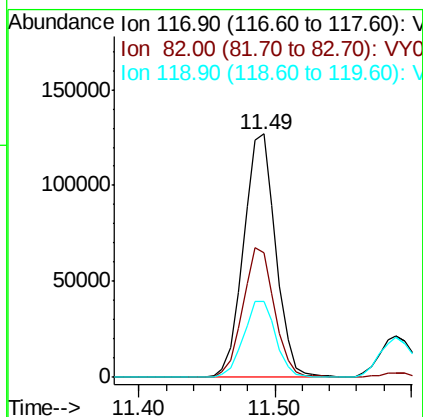
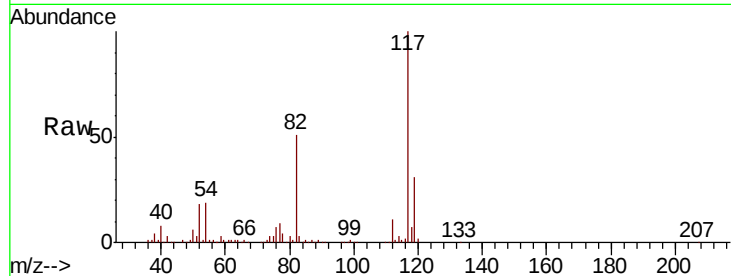
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	209610		
82	51.3		41.0	61.6
119	31.3		25.0	37.6

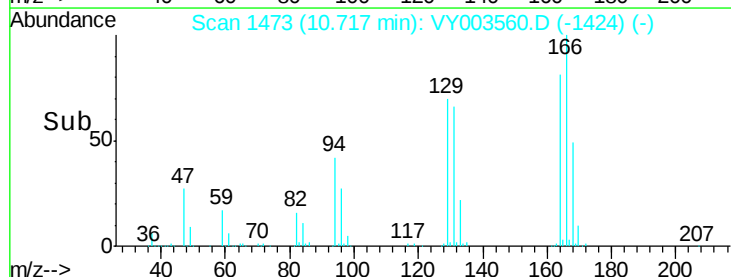
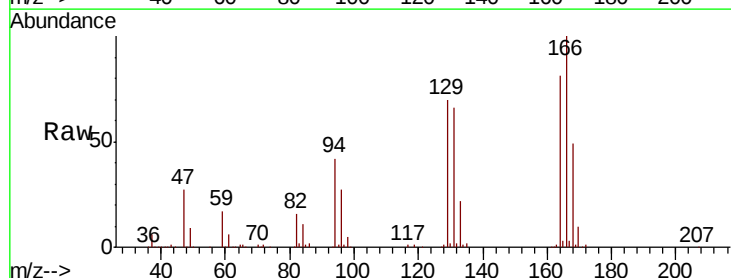
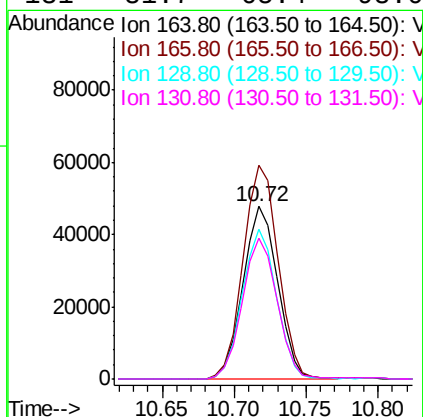
Manual Integrations
APPROVED

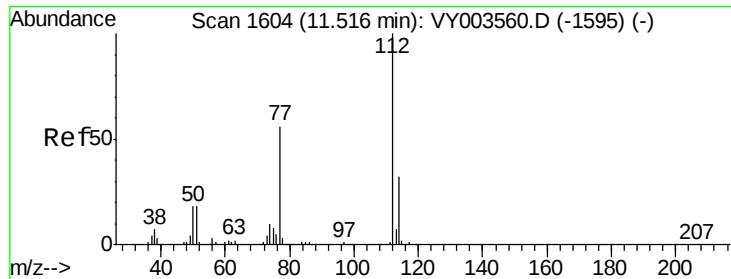
MMDadoda
11/23/2020 1:39:26 PM



#64
Tetrachloroethene
Concen: 50.931 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79742		
166	123.7		99.0	148.4
129	86.4		69.1	103.7
131	81.7		65.4	98.0





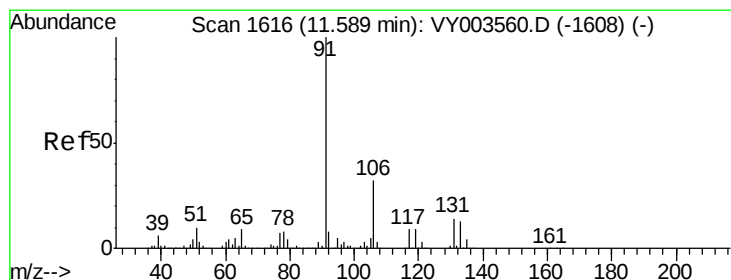
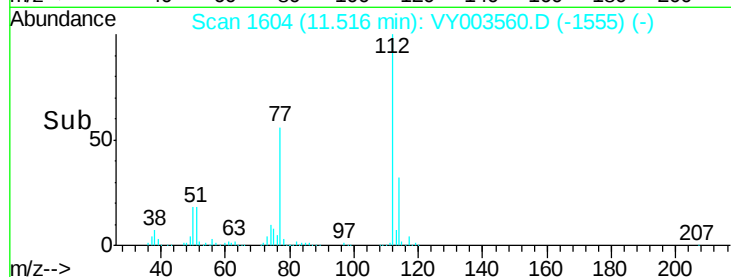
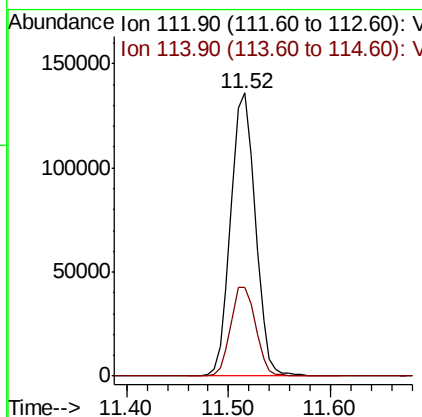
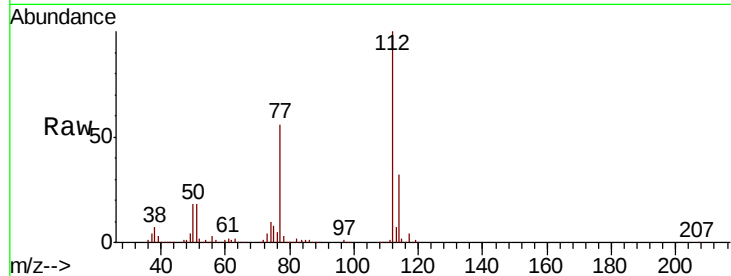
#65
Chlorobenzene
Concen: 50.105 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 227223
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

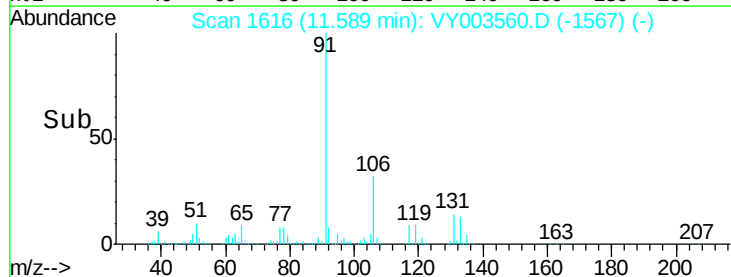
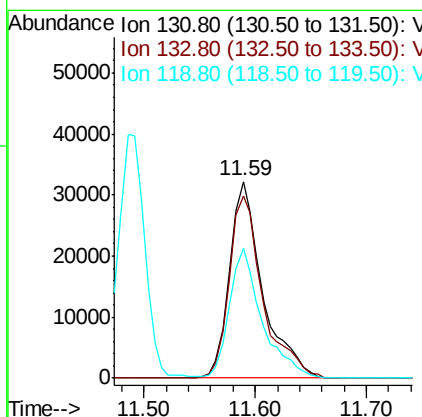
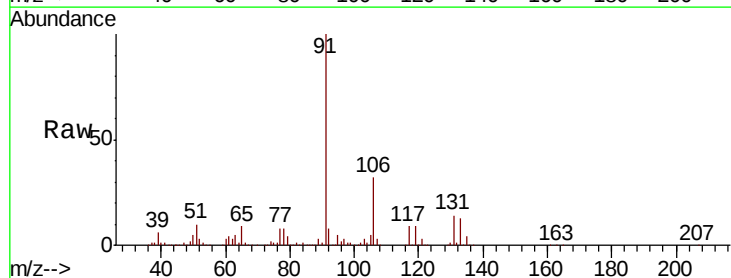
Manual Integrations
APPROVED

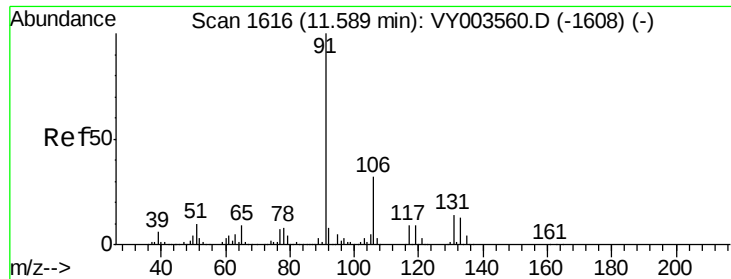
MMDadoda
11/23/2020 1:39:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.941 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion:131 Resp: 66289
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 65.1 32.6 97.7





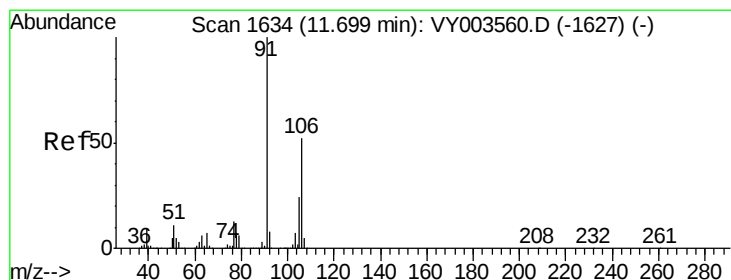
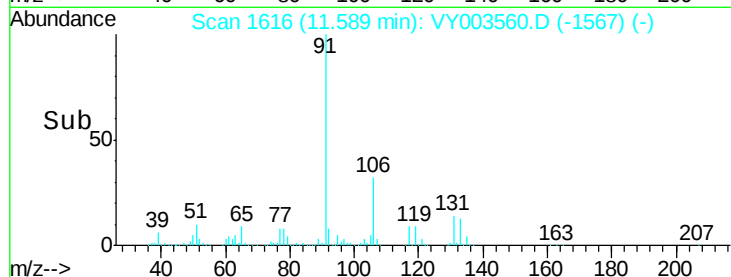
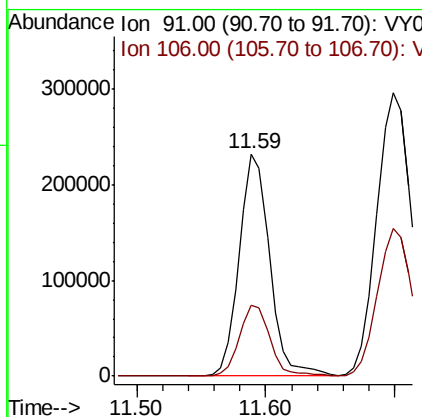
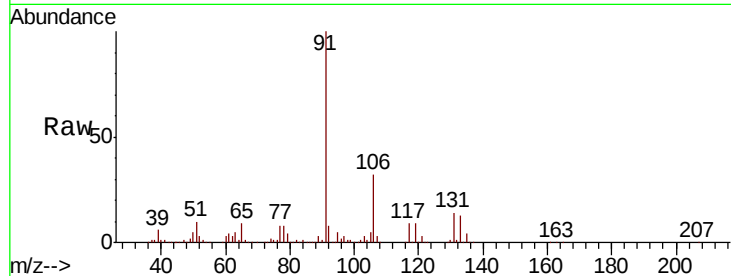
#67
Ethyl Benzene
Concen: 51.266 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 380961
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

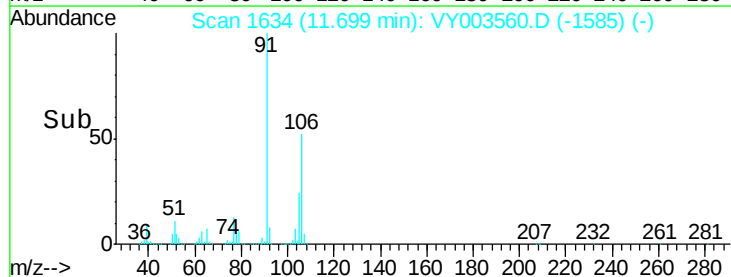
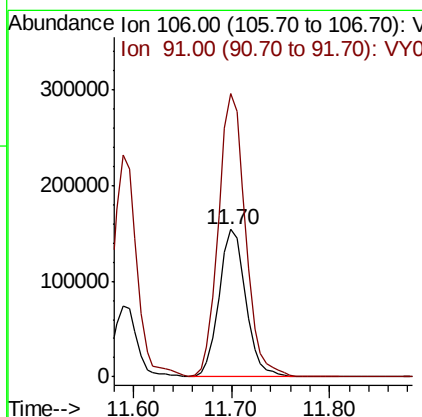
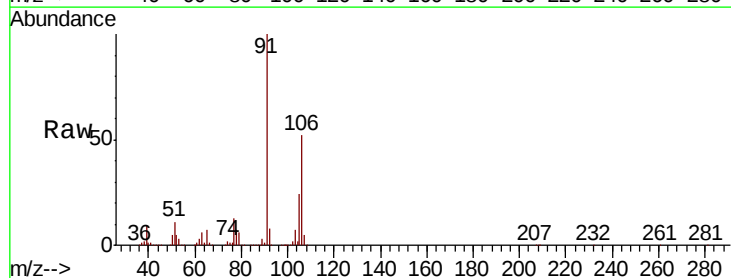
Manual Integrations
APPROVED

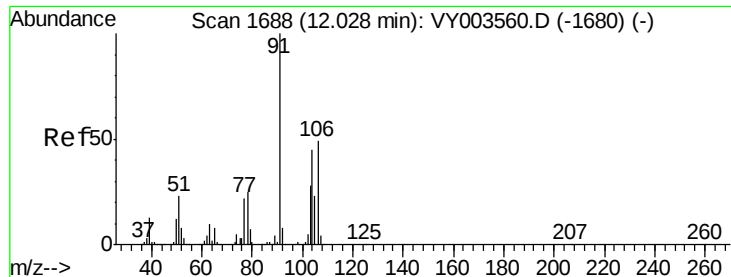
MMDadoda
11/23/2020 1:39:26 PM



#68
m/p-Xylenes
Concen: 103.434 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion: 106 Resp: 294323
Ion Ratio Lower Upper
106 100
91 192.8 154.2 231.4





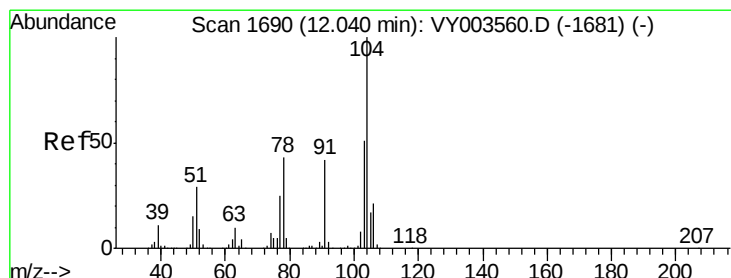
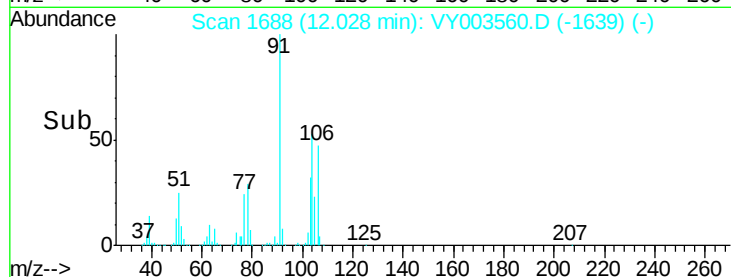
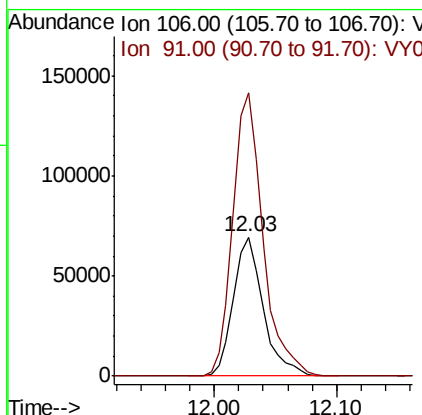
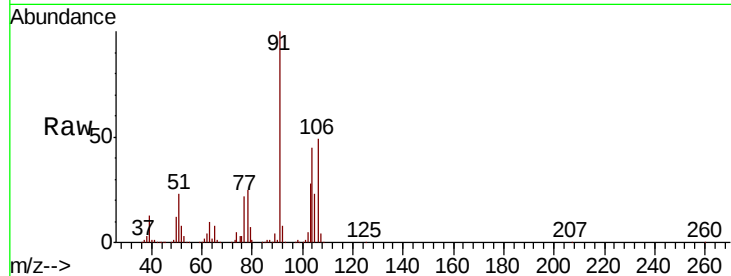
#69
o-Xylene
Concen: 51.393 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 116976
Ion Ratio Lower Upper
106 100
91 206.1 103.1 309.1

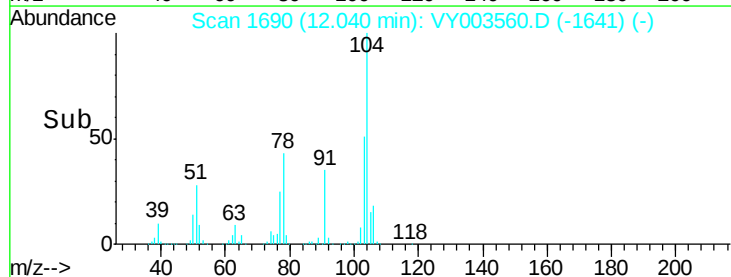
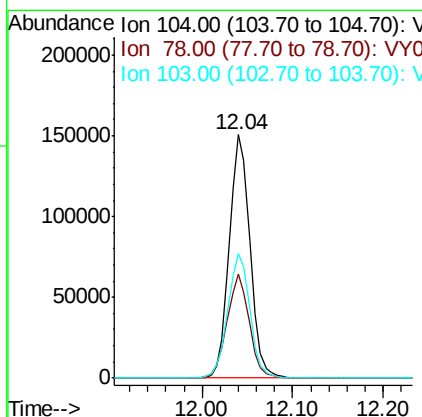
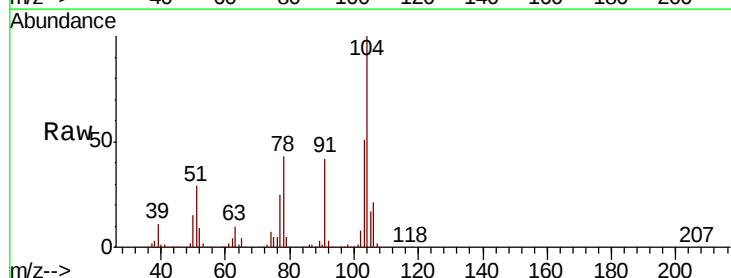
Manual Integrations
APPROVED

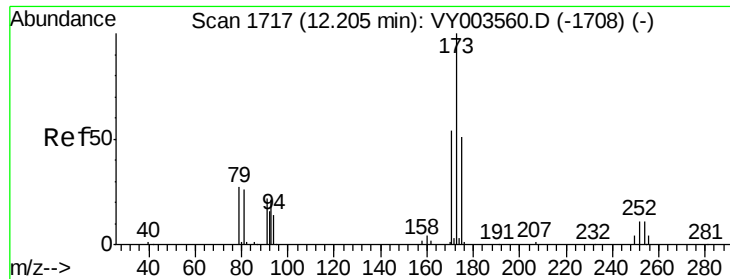
MMDadoda
11/23/2020 1:39:26 PM



#70
Styrene
Concen: 52.297 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion:104 Resp: 239913
Ion Ratio Lower Upper
104 100
78 45.7 36.6 54.8
103 54.5 43.6 65.4





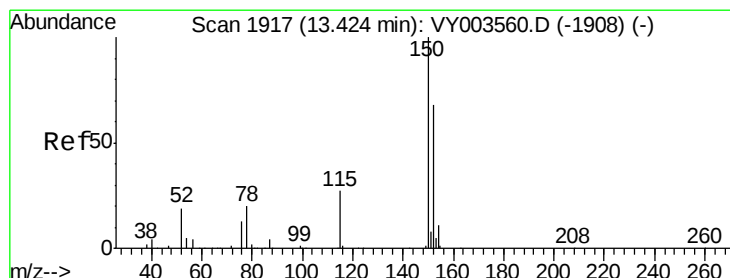
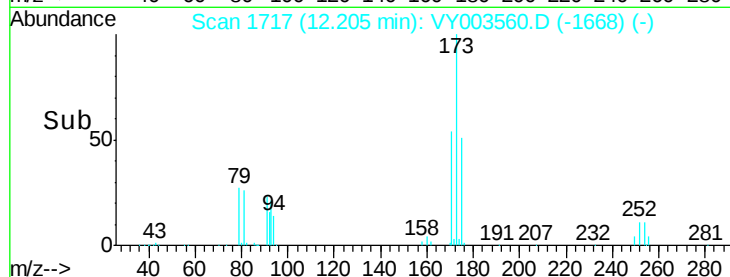
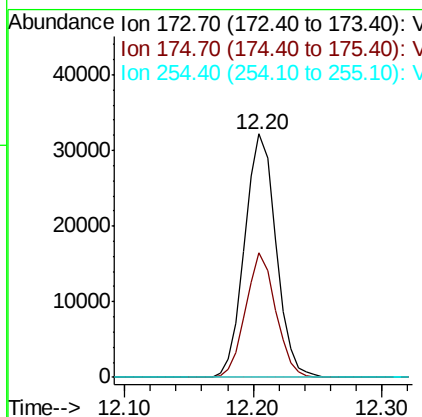
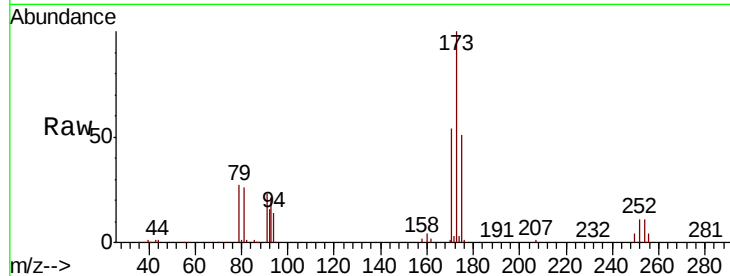
#71
Bromoform
Concen: 51.454 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.1	0.1	0.1

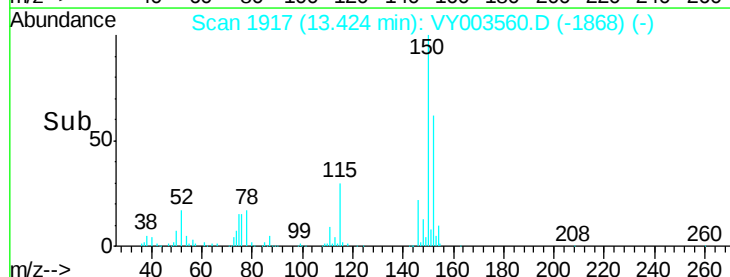
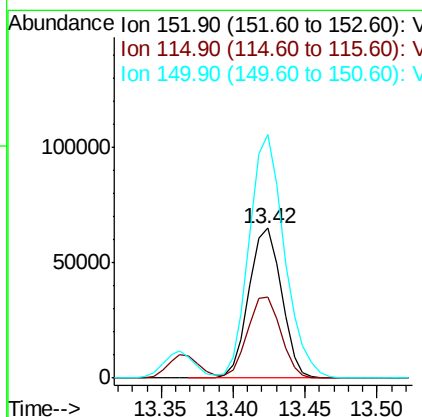
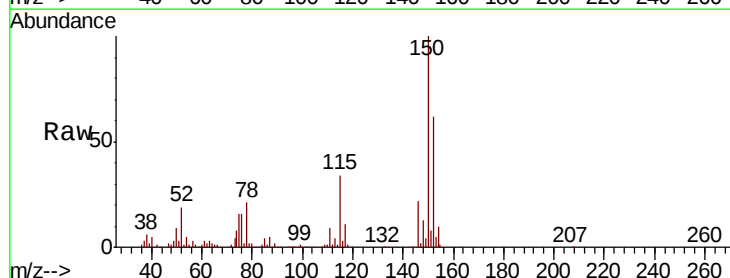
Manual Integrations
APPROVED

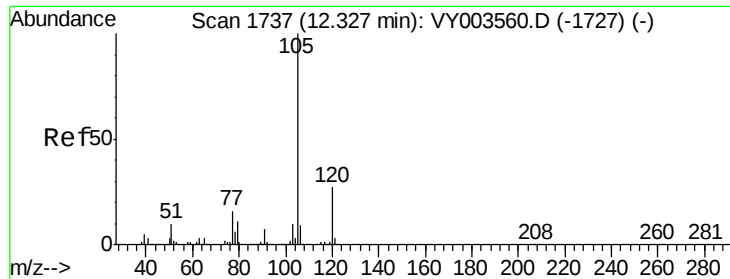
MMDadoda
11/23/2020 1:39:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.4	82.0
150	174.8	0.0	349.6





#73

Isopropylbenzene

Concen: 50.841 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 259210

Ion Ratio Lower Upper

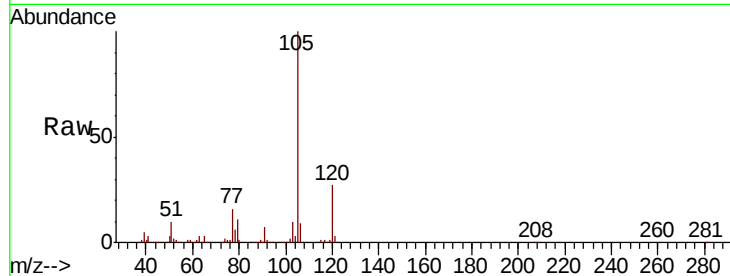
105 100

120 27.6 13.8 41.4

Manual Integrations
APPROVED

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11/23/2020 1:39:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

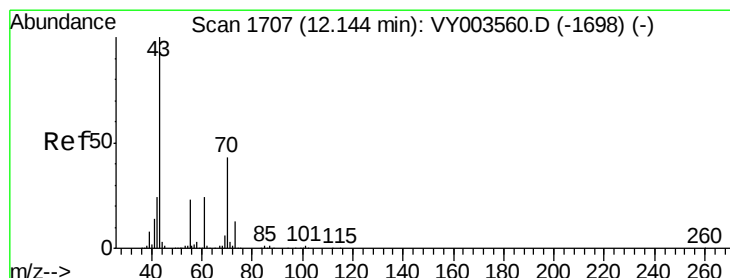
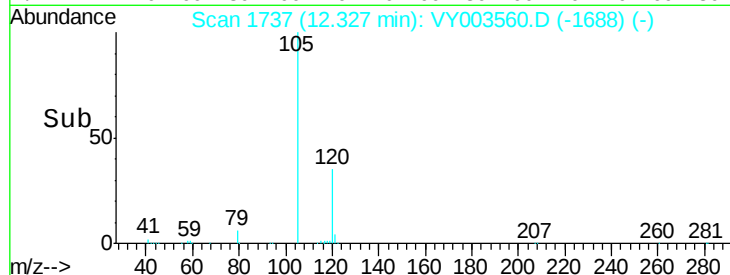
150000

100000

50000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 53.369 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion: 43 Resp: 107758

Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 23.3 18.6 28.0

61 23.3 18.6 28.0

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

100000

80000

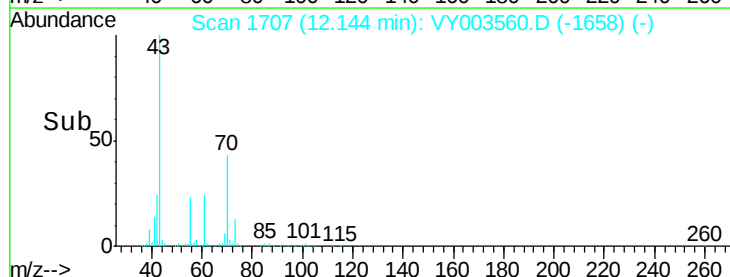
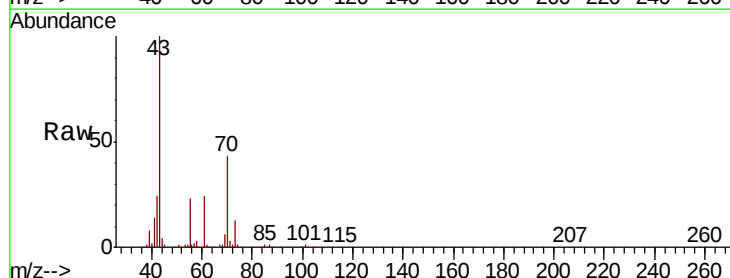
60000

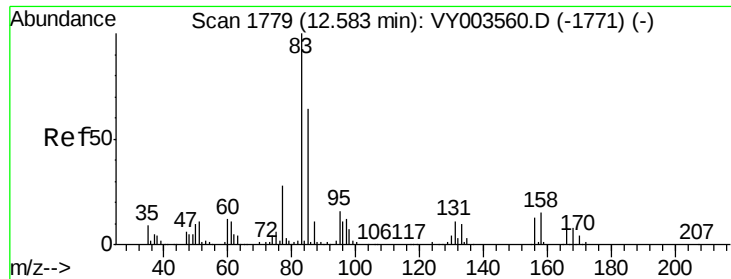
40000

20000

0

Time--> 12.10 12.20





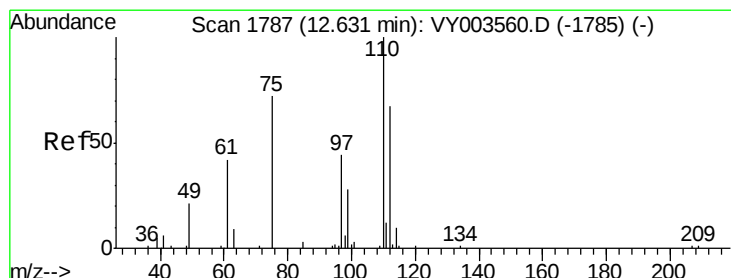
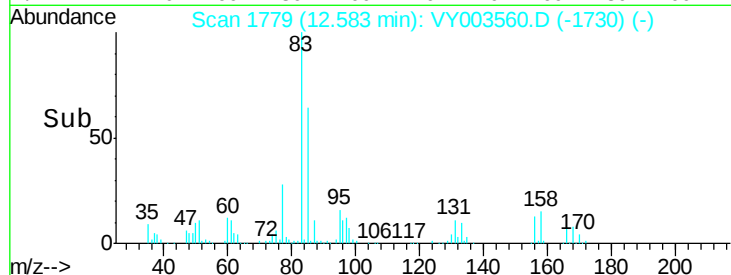
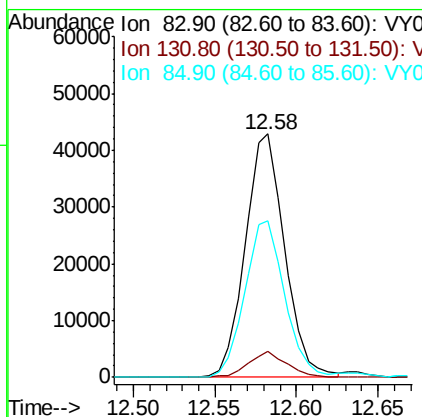
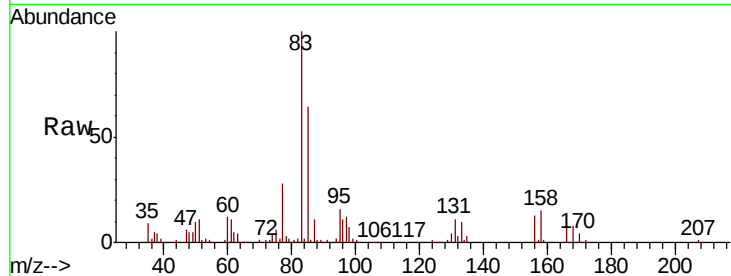
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.802 ug/l
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	64.9	32.5	97.4

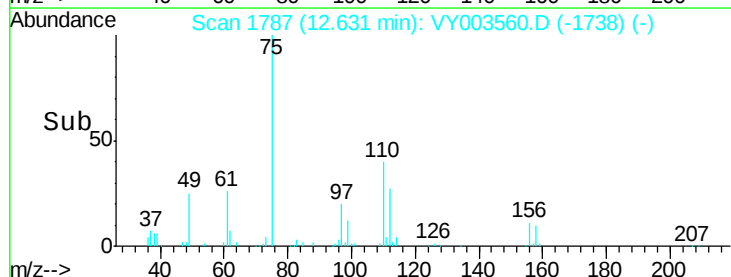
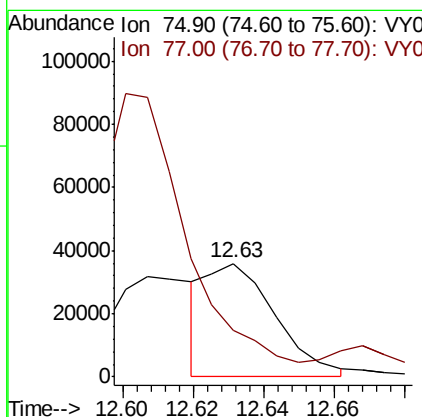
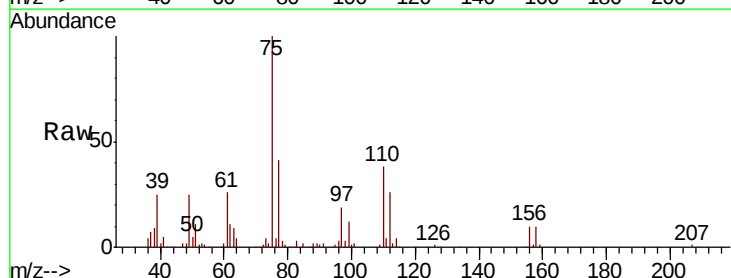
Manual Integrations
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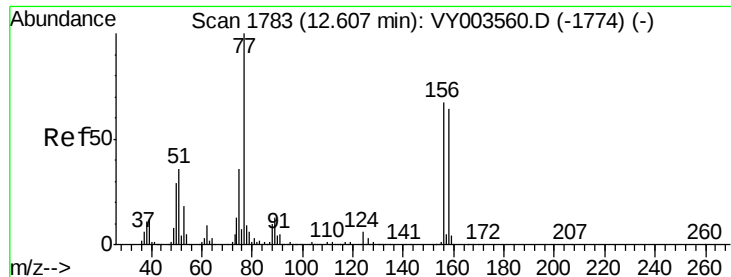
MMDadoda
 11/23/2020 1:39:26 PM



#76
 1,2,3-Trichloropropane
 Concen: 46.603 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.339 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 96302

Ion Ratio Lower Upper

156 100

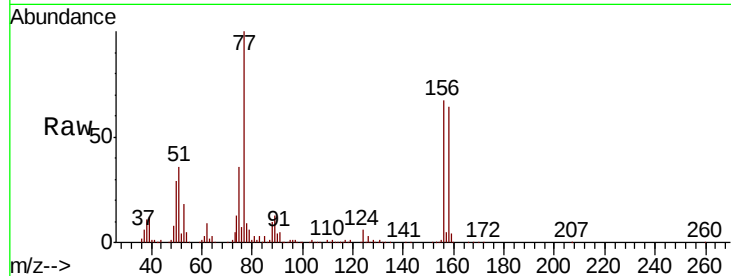
77 171.4 85.7 257.1

158 97.6 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

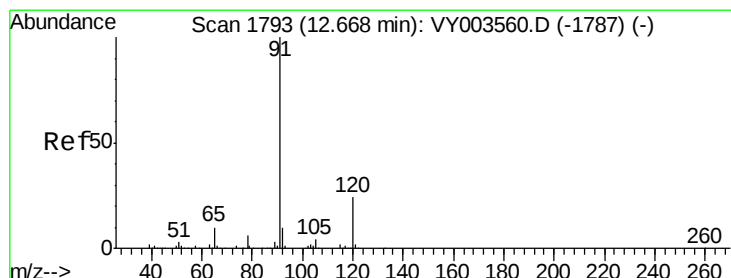
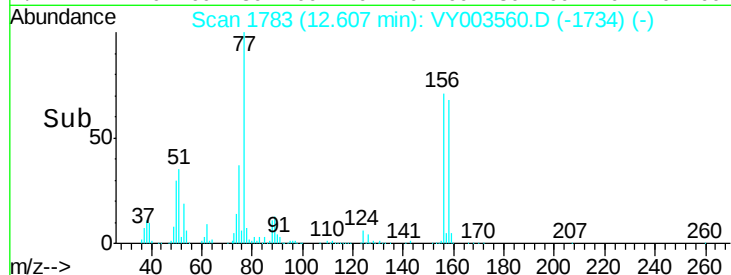
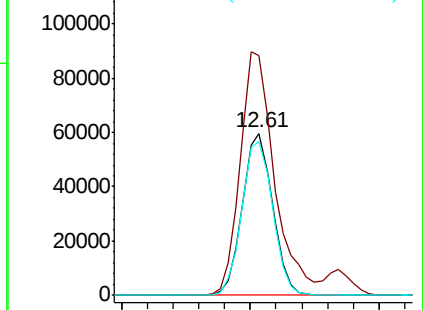
11/23/2020 1:39:26 PM



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: 51.286 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003560.D

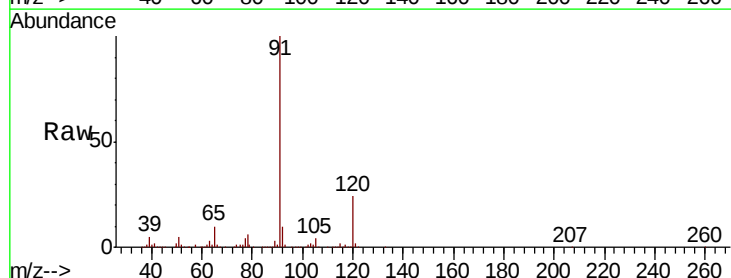
Acq: 20 Nov 2020 11:19

Tgt Ion: 91 Resp: 367344

Ion Ratio Lower Upper

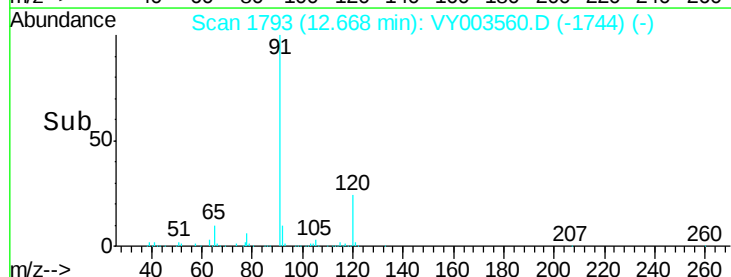
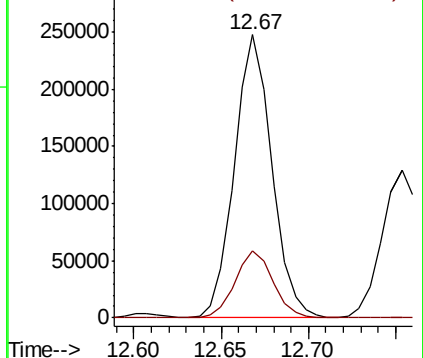
91 100

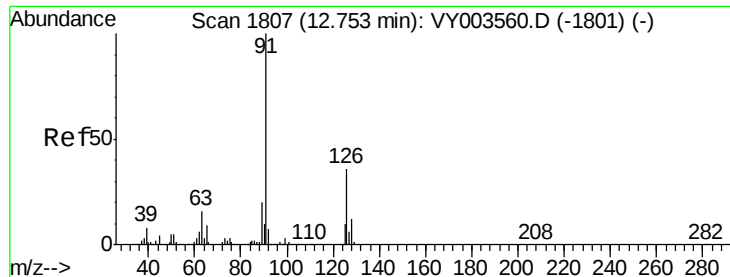
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





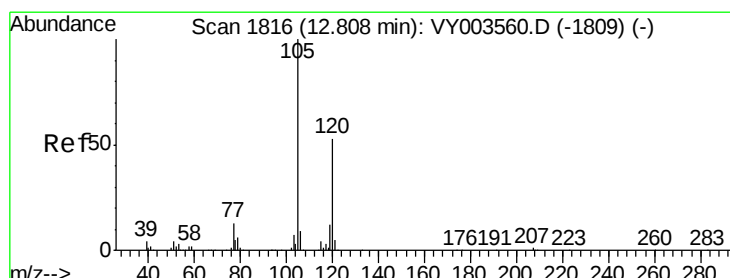
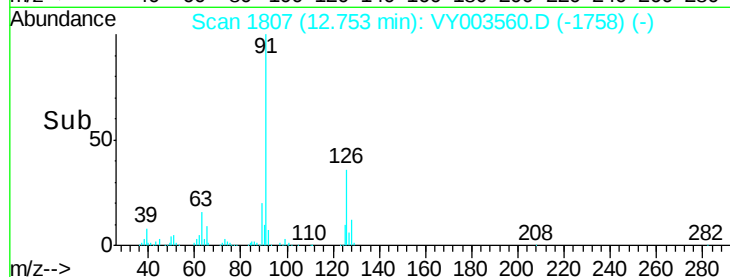
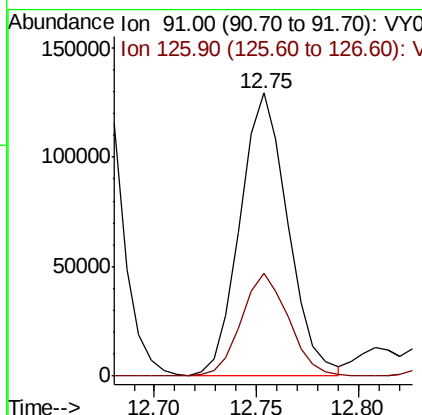
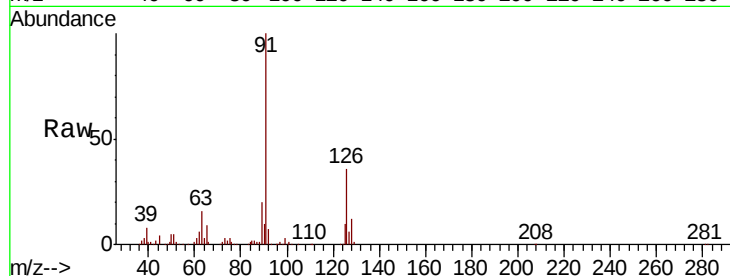
#79
2-Chlorotoluene
Concen: 50.771 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.3

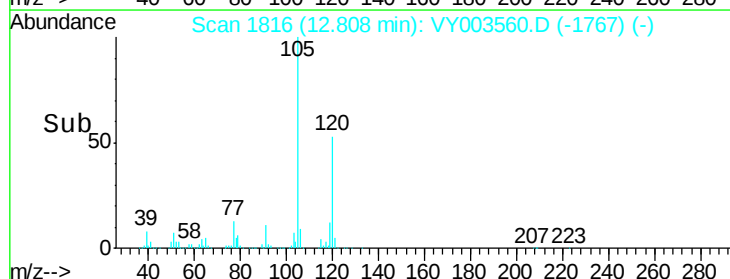
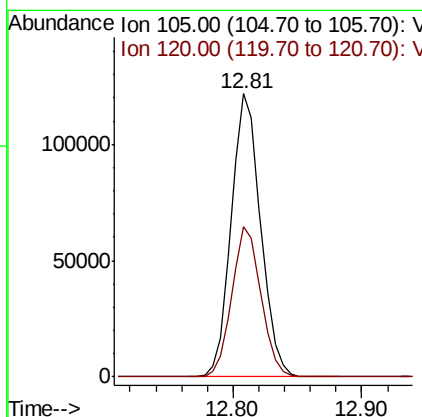
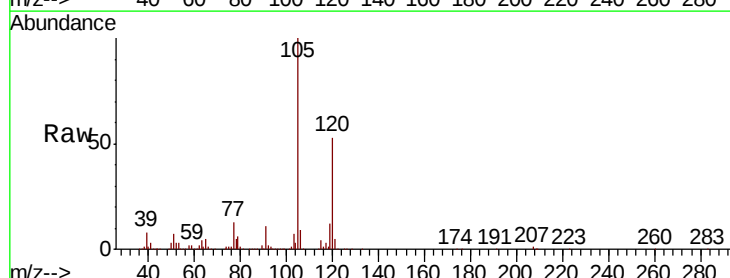
Manual Integrations
APPROVED

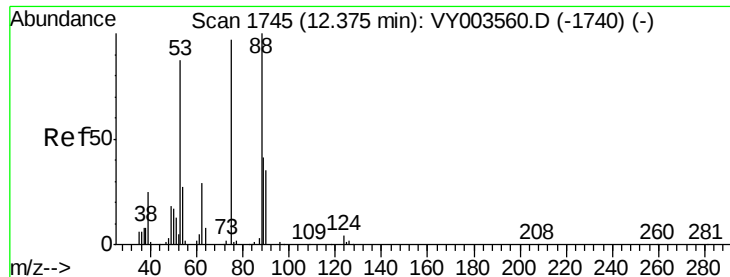
MMDadoda
11/23/2020 1:39:26 PM



#80
1,3,5-Trimethylbenzene
Concen: 50.576 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.5	26.3	78.8





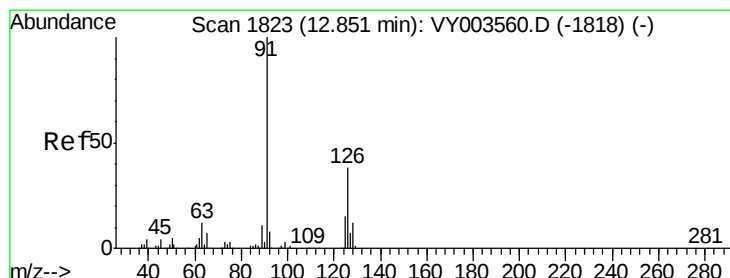
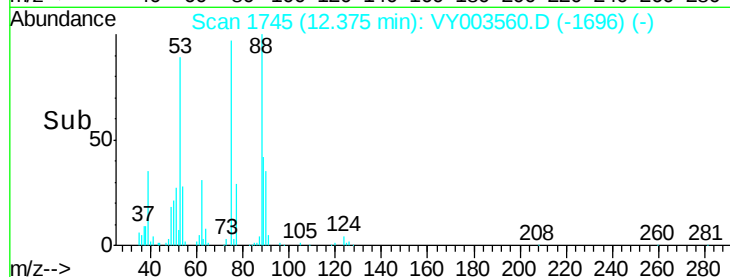
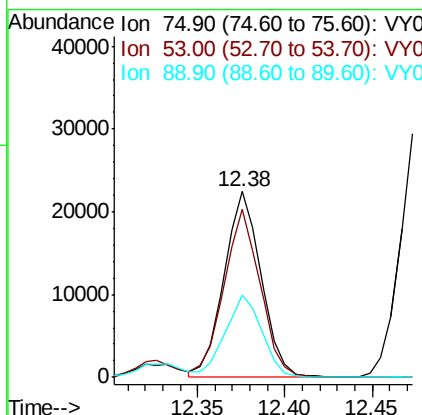
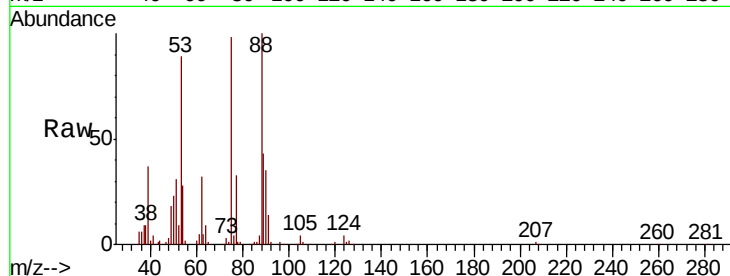
#81
trans-1,4-Dichloro-2-butene
Concen: 52.991 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	71.4	107.2
89	43.4	34.7	52.1

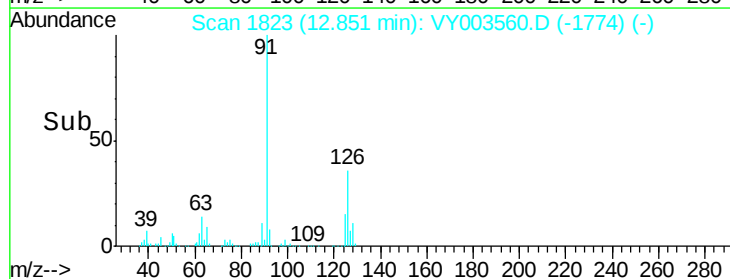
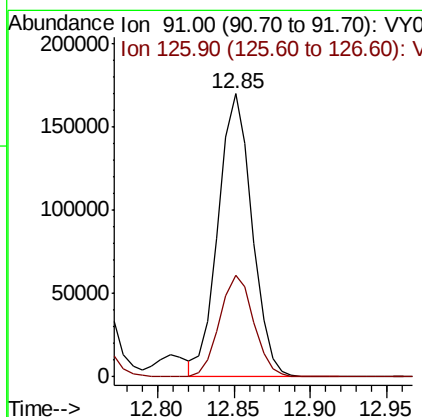
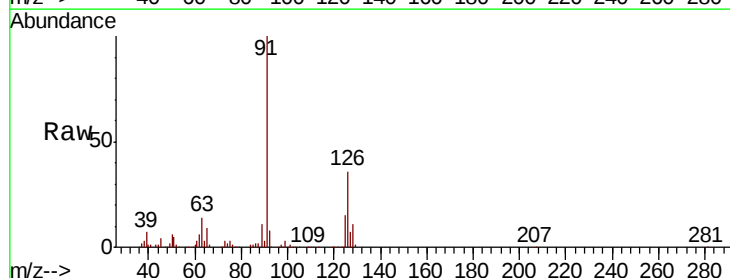
Manual Integrations
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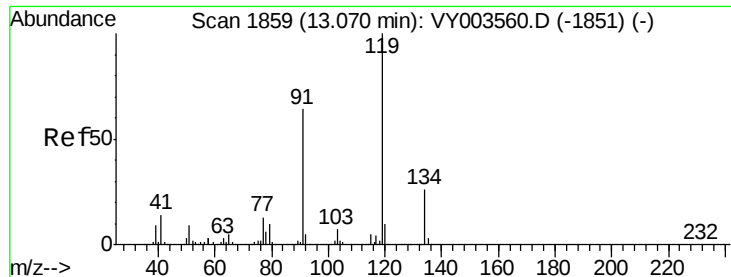
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#82
4-Chlorotoluene
Concen: 51.504 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.3





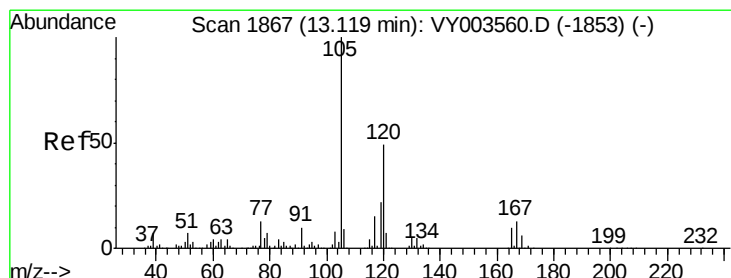
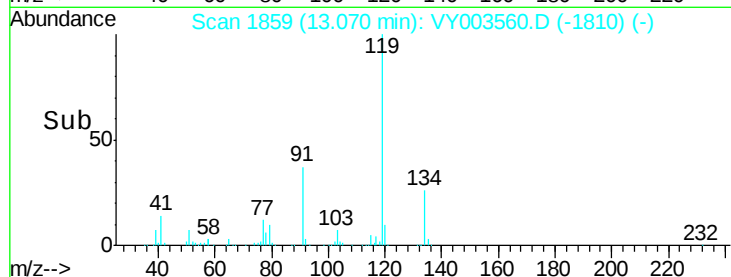
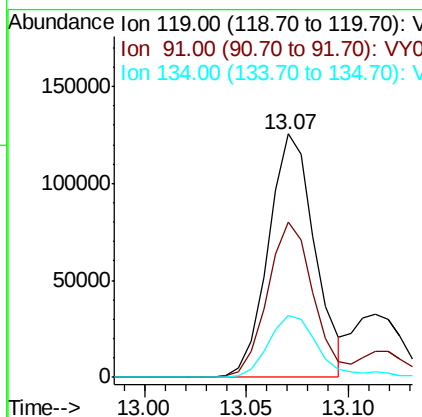
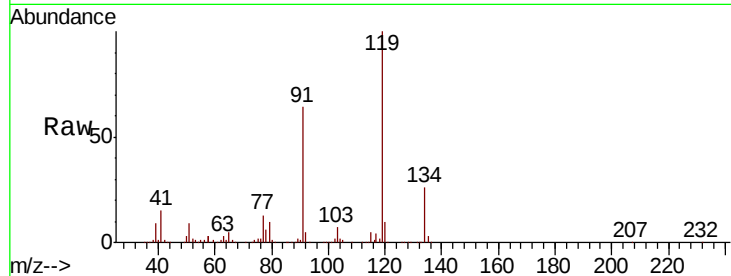
#83
tert-Butylbenzene
Concen: 51.241 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198755		
91	63.5		31.8	95.3
134	28.1		14.1	42.2

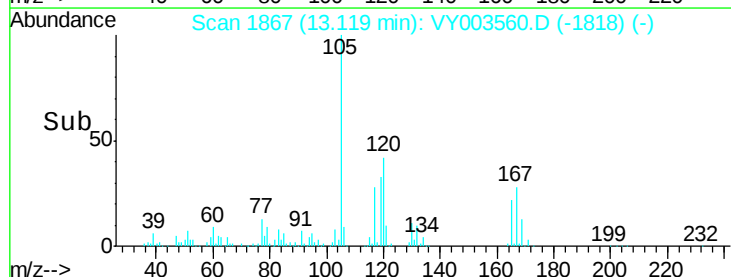
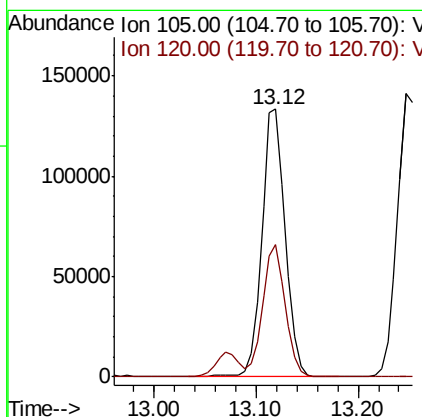
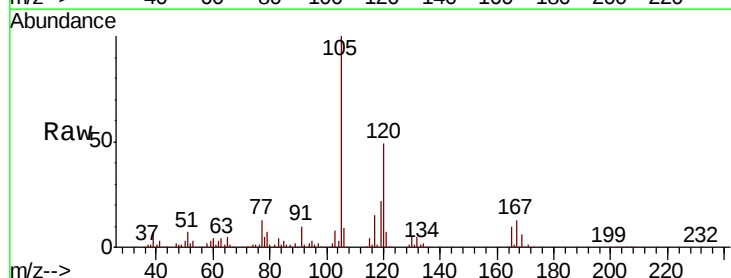
Manual Integrations
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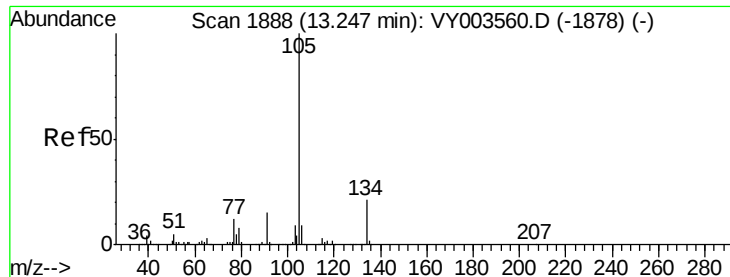
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.016 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212231		
120	47.6		23.8	71.4





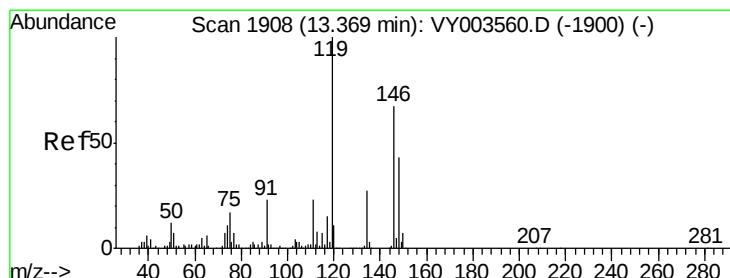
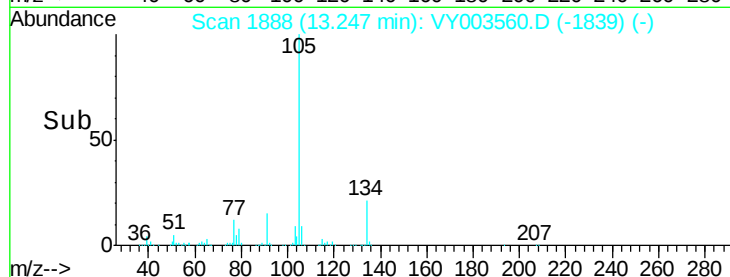
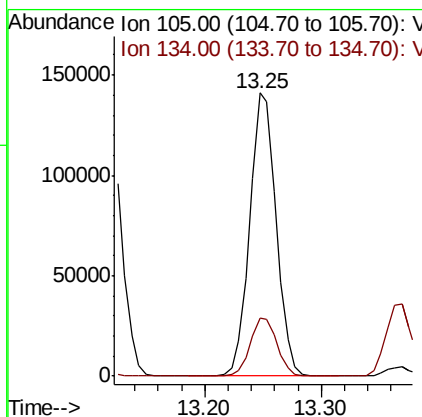
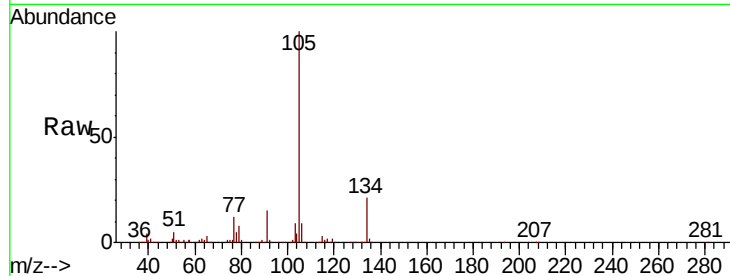
#85
 sec-Butylbenzene
 Concen: 50.826 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

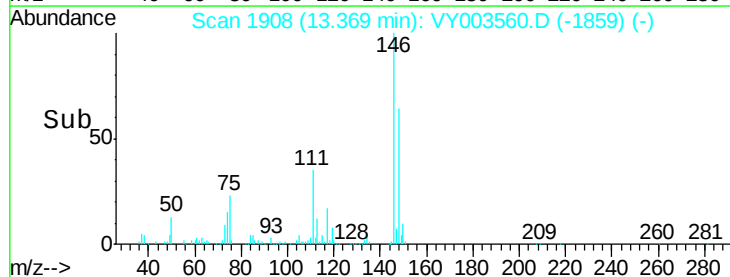
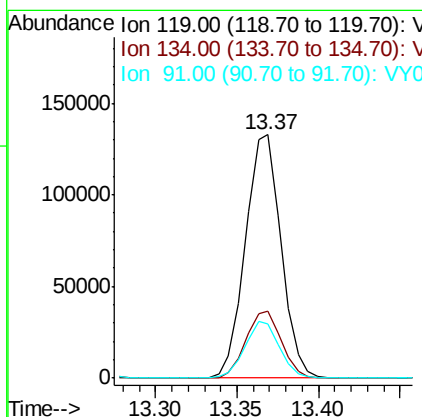
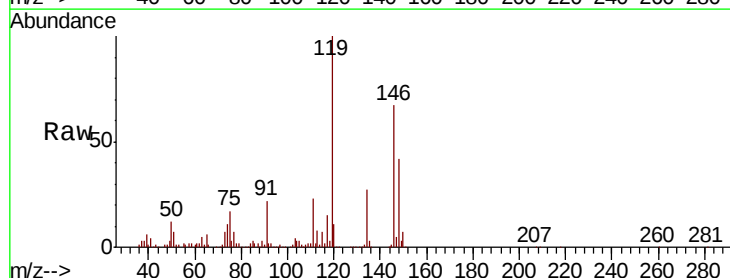
Manual Integrations
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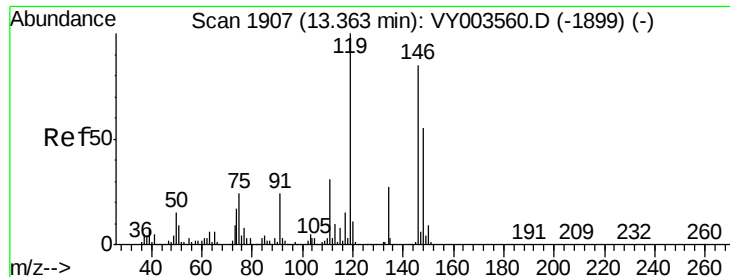
MMDadoda
 11/23/2020 1:39:26 PM



#86
 p-Isopropyltoluene
 Concen: 51.337 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.8	41.4
91	22.8	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 51.152 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

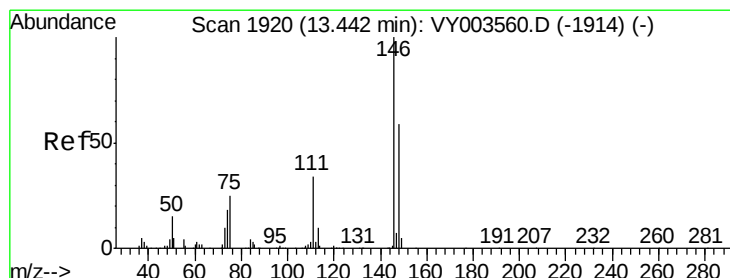
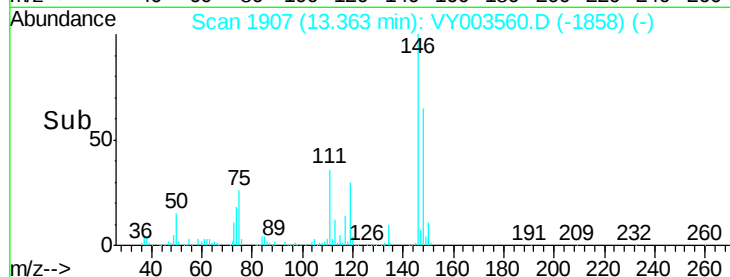
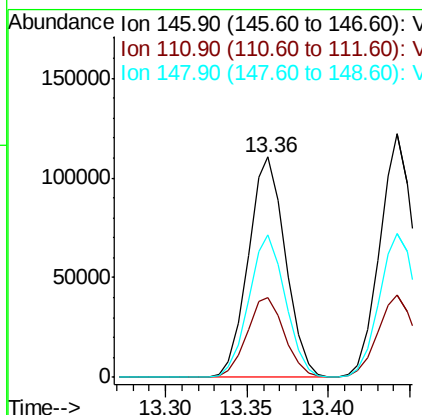
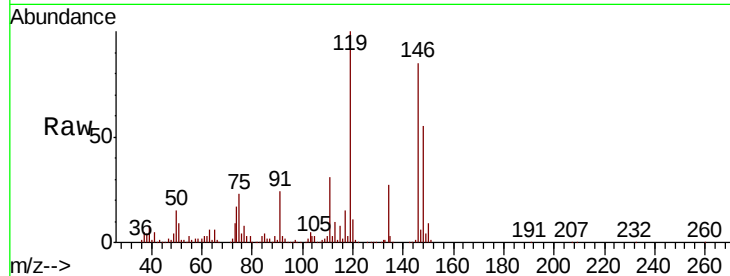
Instrument :
MSVOA_Y

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.483 ug/l

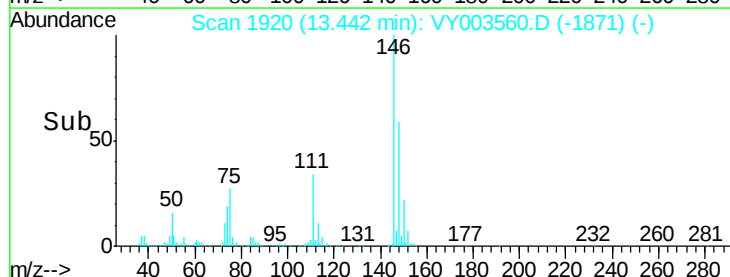
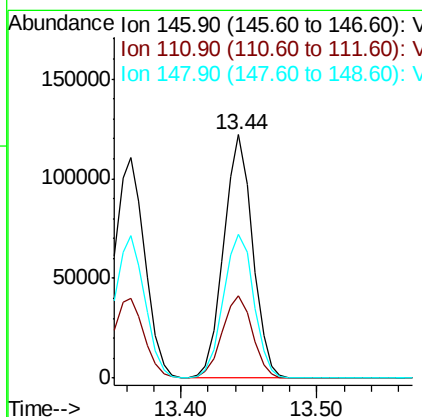
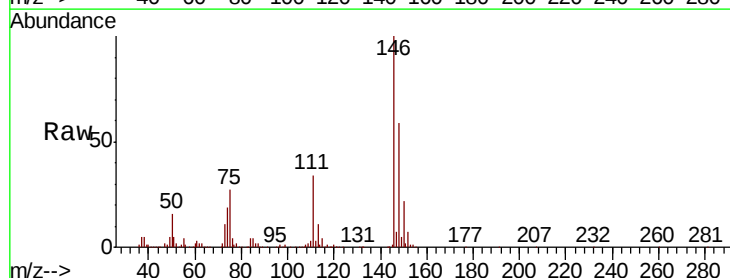
RT: 13.44 min Scan# 1920

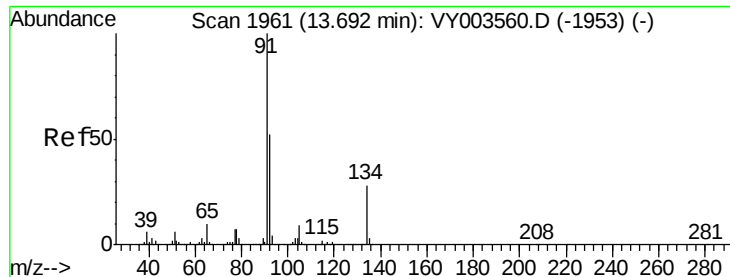
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	62.1	31.1	93.2





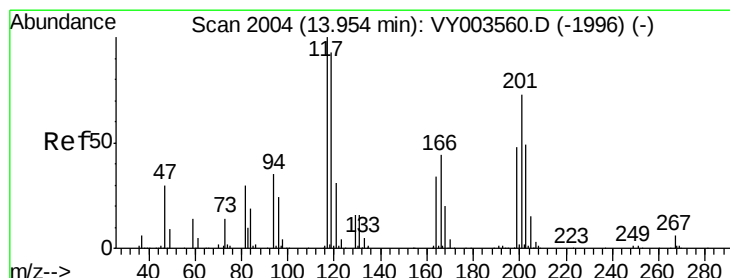
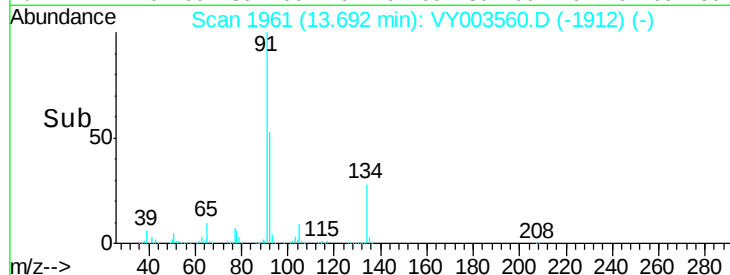
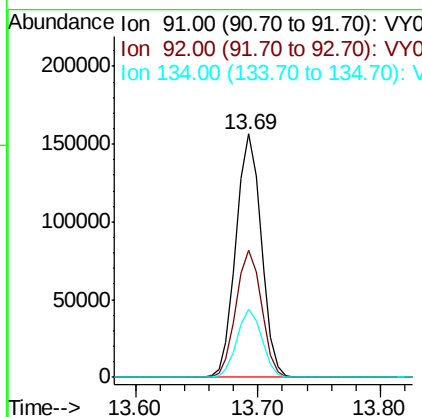
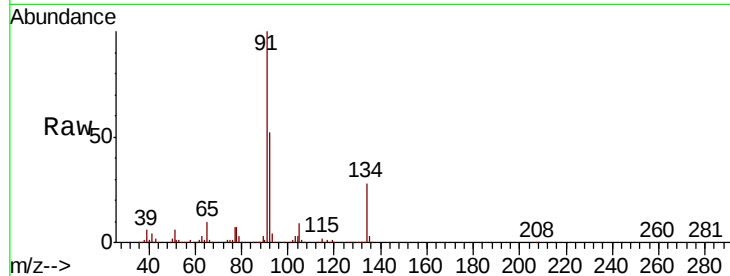
#89
n-Butylbenzene
Concen: 53.049 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.8	13.9	41.7

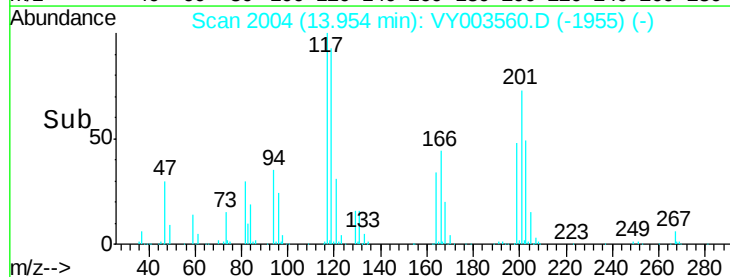
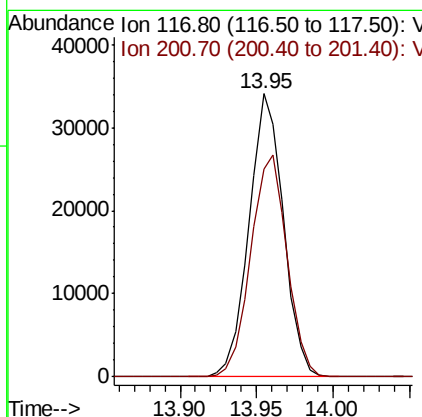
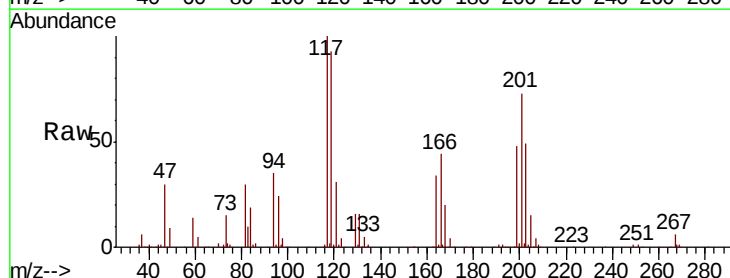
Manual Integrations
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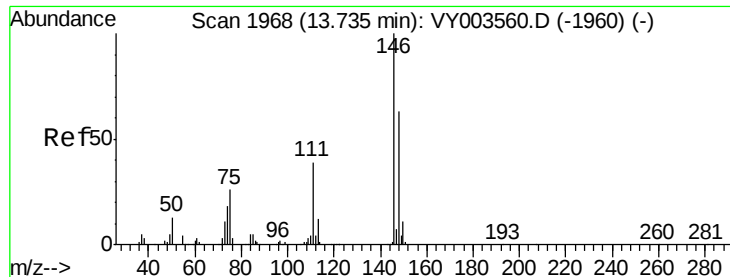
MMDadoda
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#90
Hexachloroethane
Concen: 51.038 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	41.3	123.9





#91

1,2-Dichlorobenzene

Concen: 50.493 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Instrument :

MSVOA_Y

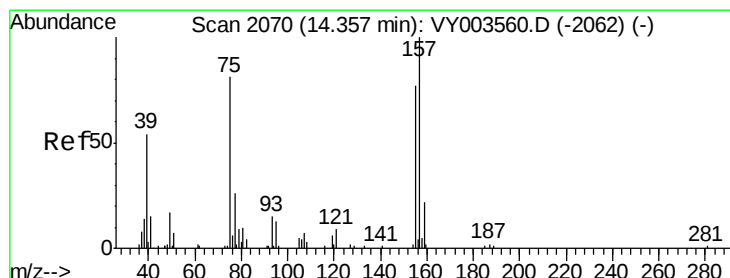
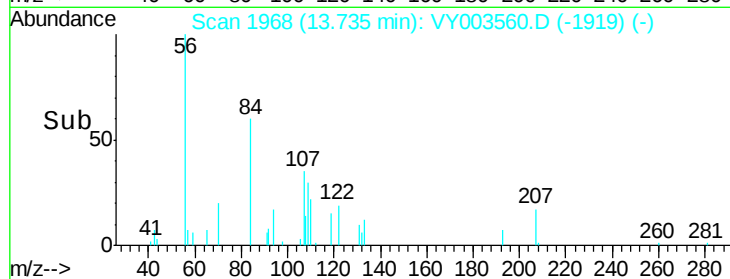
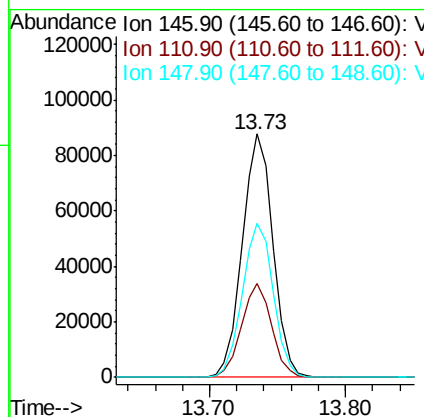
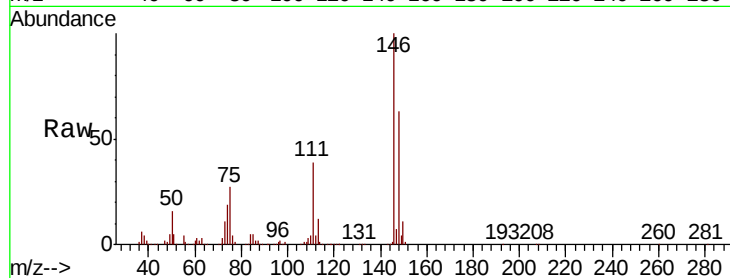
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	137617
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.5
148	63.8	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.282 ug/l

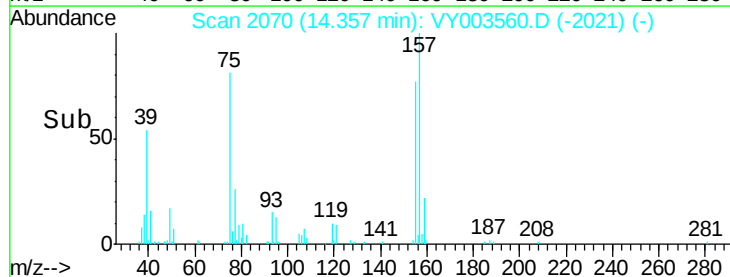
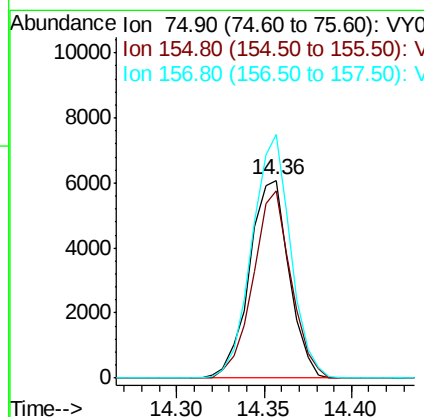
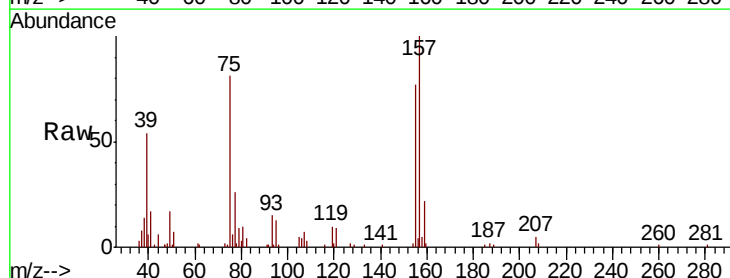
RT: 14.36 min Scan# 2070

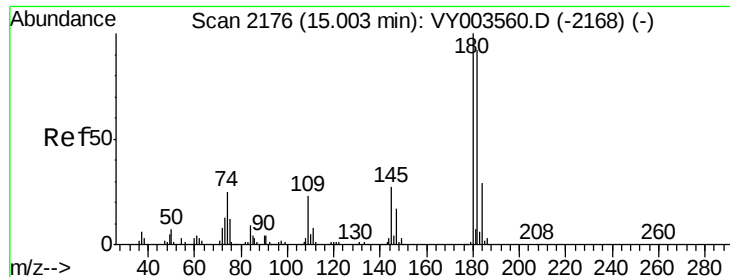
Delta R.T. 0.00 min

Lab File: VY003560.D

Acq: 20 Nov 2020 11:19

Tgt Ion:	75	Resp:	9661
Ion Ratio	Lower	Upper	
75	100		
155	90.8	45.4	136.2
157	119.4	59.7	179.1





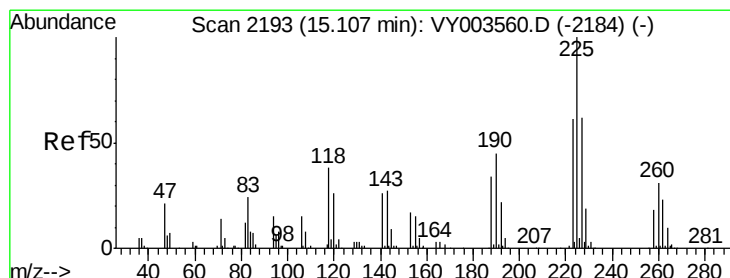
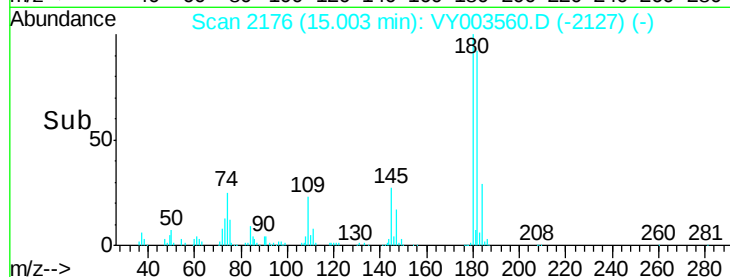
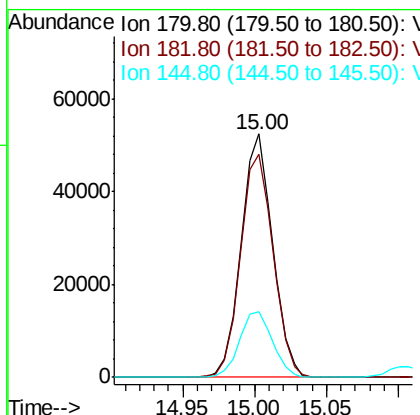
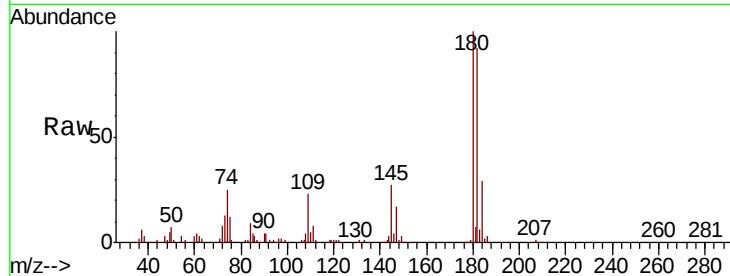
#93
 1,2,4-Trichlorobenzene
 Concen: 51.821 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79210		
182	94.9		47.4	142.3
145	28.3		14.1	42.4

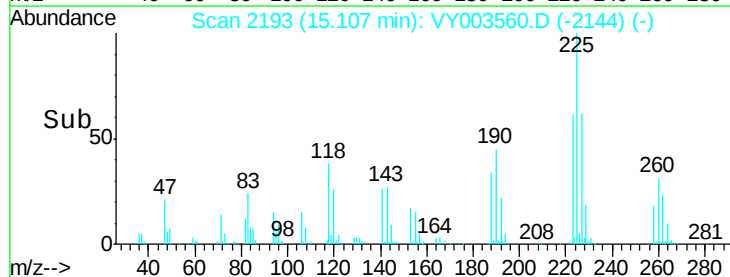
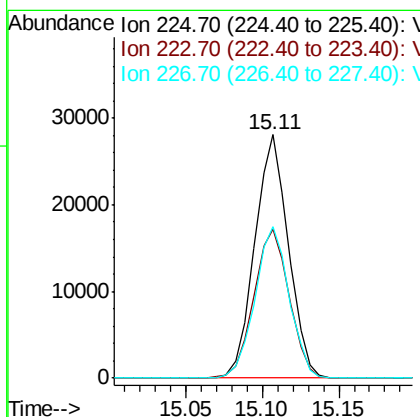
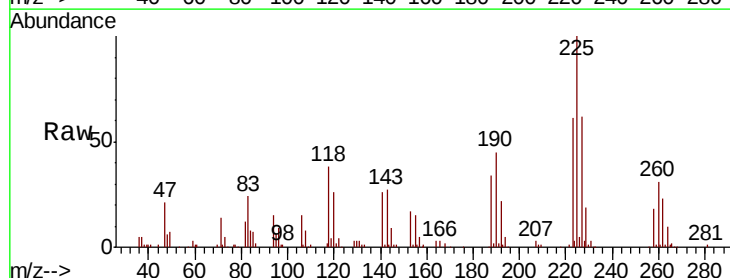
Manual Integrations
 APPROVED

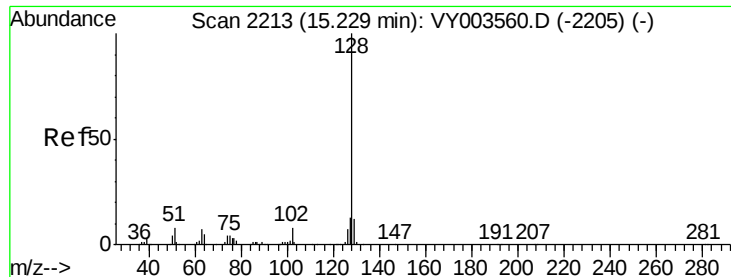
MMDadoda
 11/23/2020 1:39:26 PM



#94
 Hexachlorobutadiene
 Concen: 49.532 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY003560.D
 Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43036		
223	64.0		32.0	96.0
227	63.1		31.6	94.7





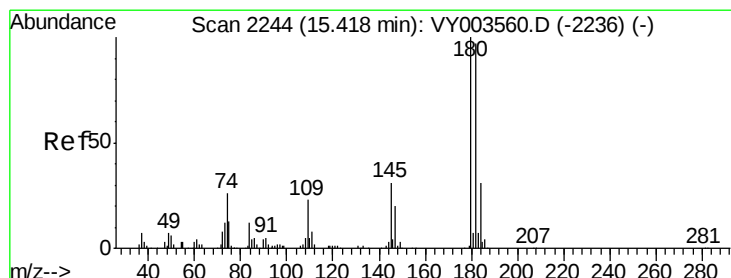
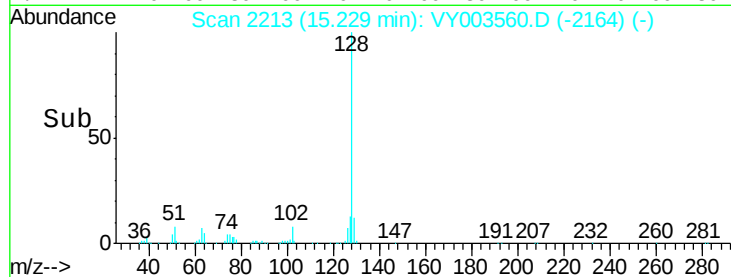
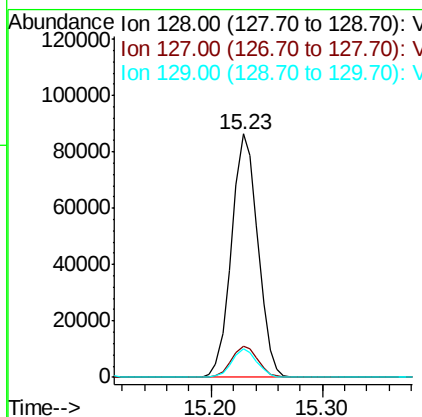
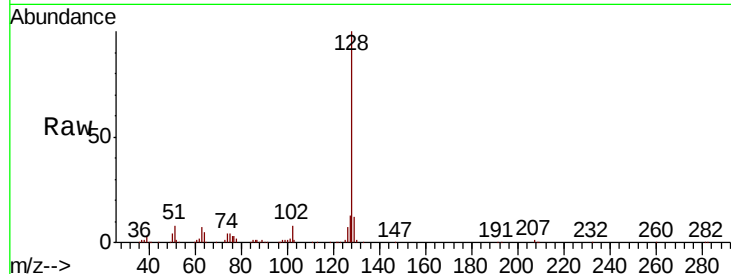
#95
Naphthalene
Concen: 54.175 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	141306		
127	12.9	10.3	15.5	
129	11.2	9.0	13.4	

Manual Integrations
APPROVED

MMDadoda
11/23/2020 1:39:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.879 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY003560.D
Acq: 20 Nov 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57169		
182	94.8	47.4	142.2	
145	31.0	15.5	46.5	

