

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110420\
 Data File : VY003504.D
 Acq On : 04 Nov 2020 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:49 PM

Quant Time: Nov 05 00:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	234969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	334978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	312042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	113587	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.73	113	99282	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.18	98	404278	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	12.48	95	135565	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	87453	47.040	ug/l	99
3) Chloromethane	2.12	50	119270	48.732	ug/l	98
4) Vinyl Chloride	2.26	62	131136	47.733	ug/l	100
5) Bromomethane	2.66	94	93544	40.754	ug/l	98
6) Chloroethane	2.80	64	78373	47.863	ug/l	98
7) Trichlorofluoromethane	3.14	101	166723	47.810	ug/l	99
8) Diethyl Ether	3.54	74	55324	51.735	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	93865	48.701	ug/l	99
10) Methyl Iodide	4.10	142	100470	50.715	ug/l	99
11) Tert butyl alcohol	4.97	59	49871	204.575	ug/l	100
12) 1,1-Dichloroethene	3.89	96	93678	48.851	ug/l	95
13) Acrolein	3.74	56	49442	247.321	ug/l	100
14) Allyl chloride	4.49	41	172270	49.240	ug/l	99
15) Acrylonitrile	5.18	53	127199	222.837	ug/l	99
16) Acetone	3.96	43	231852	291.768	ug/l	98
17) Carbon Disulfide	4.21	76	296786	47.774	ug/l	99
18) Methyl Acetate	4.49	43	67375	44.866	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	243438	51.254	ug/l	96
20) Methylene Chloride	4.73	84	104866	46.859	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	108513	48.870	ug/l	97
22) Diisopropyl ether	6.13	45	326867	53.267	ug/l	98
23) Vinyl Acetate	6.08	43	1154904	250.454	ug/l	99
24) 1,1-Dichloroethane	6.03	63	197500	50.649	ug/l	99
25) 2-Butanone	7.00	43	262733	264.353	ug/l	98
26) 2,2-Dichloropropane	6.99	77	182173	50.147	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	121847	50.642	ug/l	98
28) Bromochloromethane	7.35	49	99399	50.670	ug/l	97
29) Tetrahydrofuran	7.36	42	115676	222.740	ug/l	99
30) Chloroform	7.52	83	196268	51.245	ug/l	100
31) Cyclohexane	7.79	56	166026	45.984	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	178720	50.019	ug/l	99
36) 1,1-Dichloropropene	7.93	75	156806	49.649	ug/l	100
37) Ethyl Acetate	7.08	43	89847	45.813	ug/l	98
38) Carbon Tetrachloride	7.91	117	163409	49.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	171392	48.736	ug/l	99
40) Benzene	8.17	78	445592	50.697	ug/l	98
41) Methacrylonitrile	7.33	41	56537m	53.984	ug/l	
42) 1,2-Dichloroethane	8.25	62	138761	50.385	ug/l	100
43) Isopropyl Acetate	8.28	43	167905	47.638	ug/l	99
44) Trichloroethene	8.94	130	122688	49.723	ug/l	100
45) 1,2-Dichloropropane	9.22	63	114725	51.687	ug/l	98
46) Dibromomethane	9.31	93	60633	49.653	ug/l	98
47) Bromodichloromethane	9.50	83	156171	52.251	ug/l	97
48) Methyl methacrylate	9.30	41	80143	48.270	ug/l	98
49) 1,4-Dioxane	9.30	88	13410	880.105	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	447223	238.152	ug/l	99
52) Toluene	10.25	92	280451	51.015	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	162457	51.075	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	186450	52.092	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	87512	50.484	ug/l	99
56) Ethyl methacrylate	10.51	69	118344	50.969	ug/l	99
57) 1,3-Dichloropropane	10.79	76	153887	51.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	283616	240.955	ug/l	100
59) 2-Hexanone	10.83	43	364580	262.212	ug/l	99
60) Dibromochloromethane	10.99	129	111935	52.538	ug/l	100
61) 1,2-Dibromoethane	11.09	107	82268	49.159	ug/l	98
64) Tetrachloroethene	10.72	164	114288	49.043	ug/l	97
65) Chlorobenzene	11.52	112	306124	50.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	117606	51.441	ug/l	100
67) Ethyl Benzene	11.59	91	557715	50.736	ug/l	100
68) m/p-Xylenes	11.70	106	425335	102.105	ug/l	99
69) o-Xylene	12.03	106	196194	51.200	ug/l	99
70) Styrene	12.05	104	336591	51.733	ug/l	100
71) Bromoform	12.21	173	73753	48.398	ug/l #	100
73) Isopropylbenzene	12.33	105	540397	49.707	ug/l	100
74) N-amyl acetate	12.14	43	146801	47.670	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	108145	46.570	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	79291m	45.027	ug/l	
77) Bromobenzene	12.61	156	137093	49.631	ug/l	99
78) n-propylbenzene	12.67	91	647993	50.602	ug/l	100
79) 2-Chlorotoluene	12.76	91	358052	50.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	460368	51.108	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	38121	45.183	ug/l	97
82) 4-Chlorotoluene	12.86	91	376490	50.356	ug/l	99
83) tert-Butylbenzene	13.08	119	403659	50.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	464578	51.604	ug/l	100
85) sec-Butylbenzene	13.25	105	552738	51.098	ug/l	100
86) p-Isopropyltoluene	13.37	119	513801	51.216	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	264464	51.396	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	256466	50.123	ug/l	99
89) n-Butylbenzene	13.70	91	473902	51.719	ug/l	100
90) Hexachloroethane	13.96	117	86663	51.330	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	231343	50.610	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17958	42.720	ug/l	98

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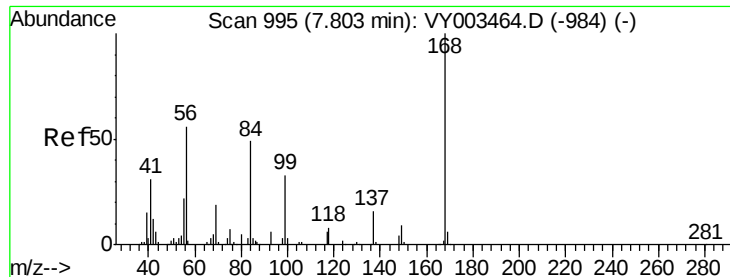
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	166494	51.493	ug/l	99
94) Hexachlorobutadiene	15.11	225	104947	50.455	ug/l	98
95) Naphthalene	15.23	128	303051	46.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	145461	50.012	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 234969

Ion Ratio Lower Upper

168 100

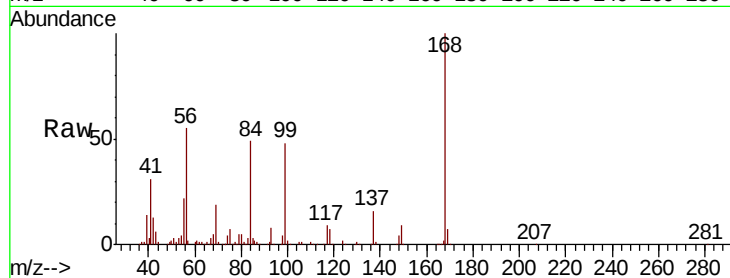
99 47.8 39.7 59.5

Manual Integrations

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11/5/2020 7:01:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)

7.80

120000

100000

80000

60000

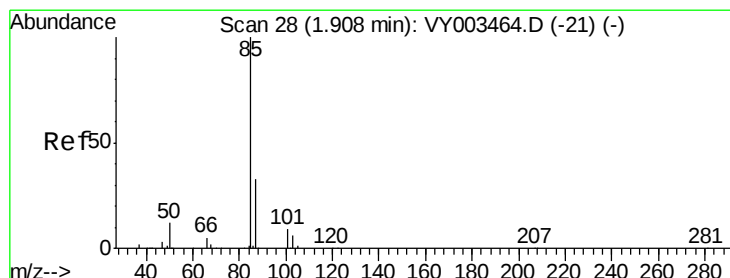
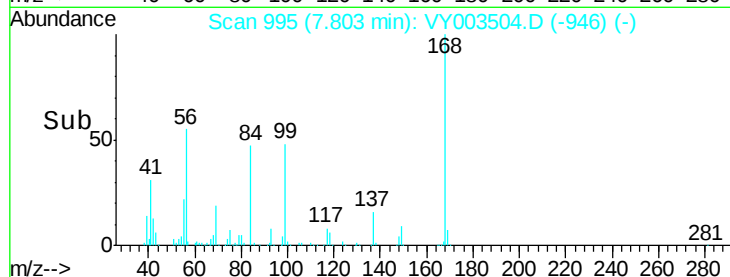
40000

20000

0

7.70 7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 47.040 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY003504.D

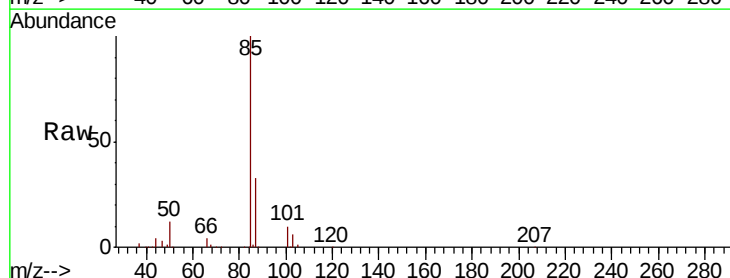
Acq: 04 Nov 2020 10:03

Tgt Ion: 85 Resp: 87453

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003464.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003464.D (-21) (-)

1.91

60000

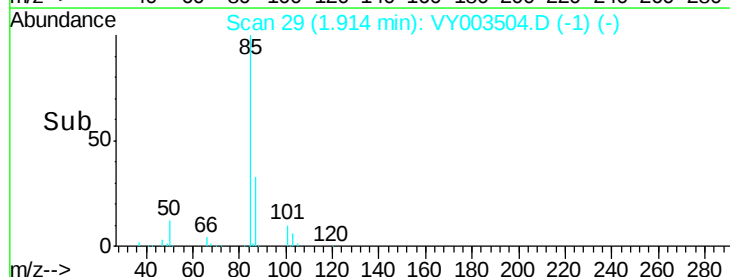
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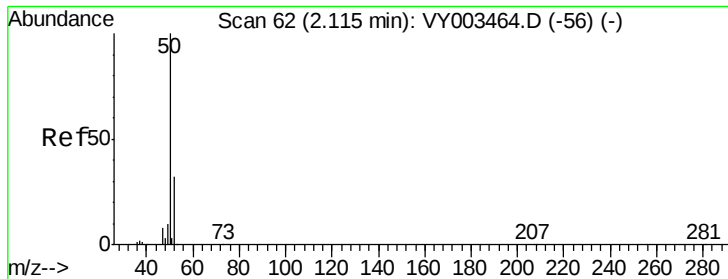
20000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 48.732 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 119270

Ion Ratio Lower Upper

50 100

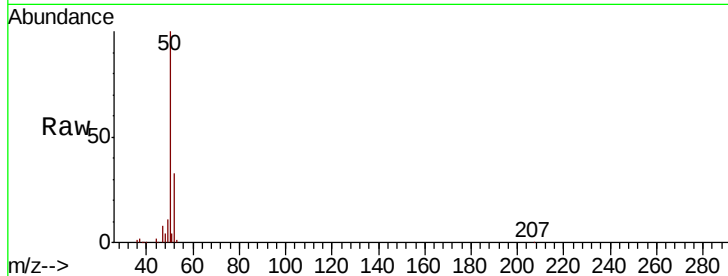
52 33.3 25.6 38.4

Manual Integrations

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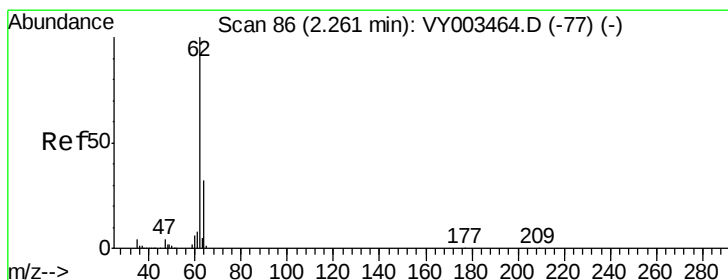
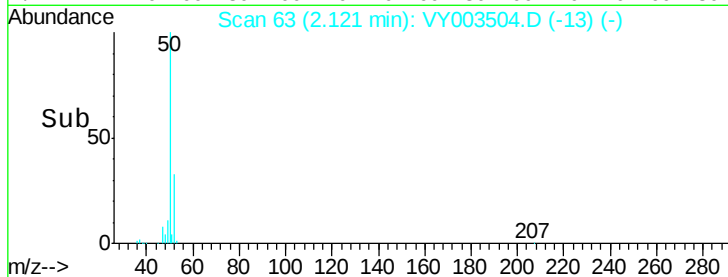
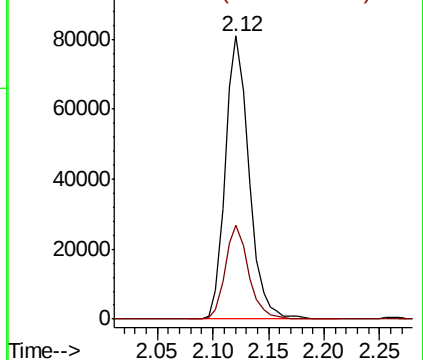
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 47.733 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003504.D

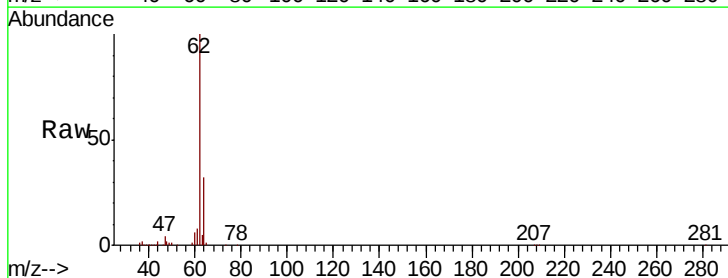
Acq: 04 Nov 2020 10:03

Tgt Ion: 62 Resp: 131136

Ion Ratio Lower Upper

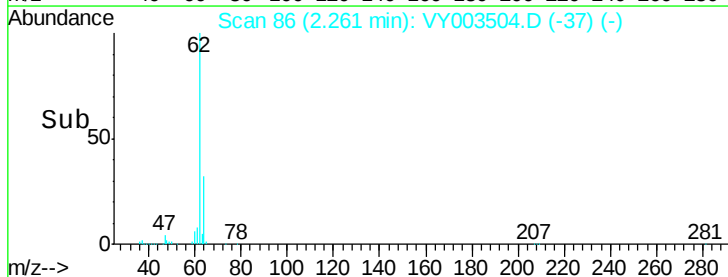
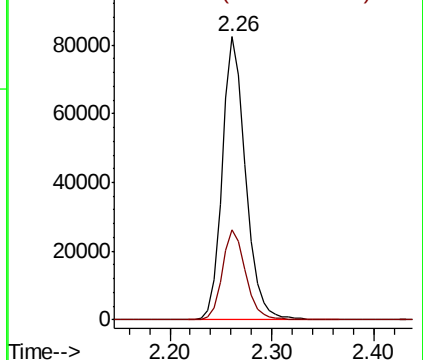
62 100

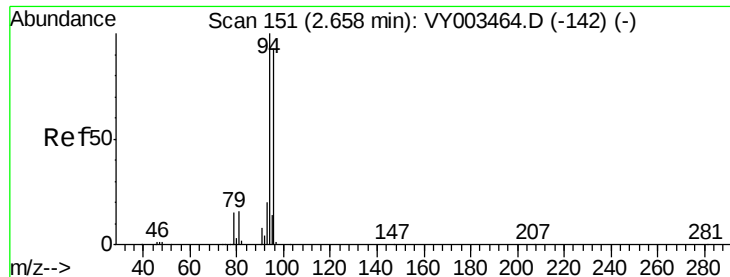
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 40.754 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 93544

Ion Ratio Lower Upper

94 100

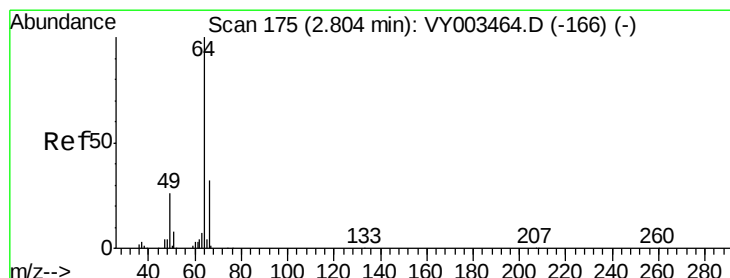
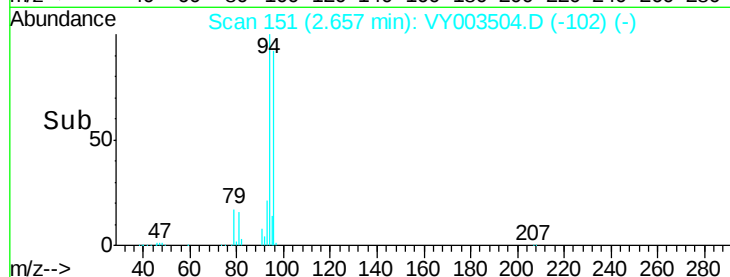
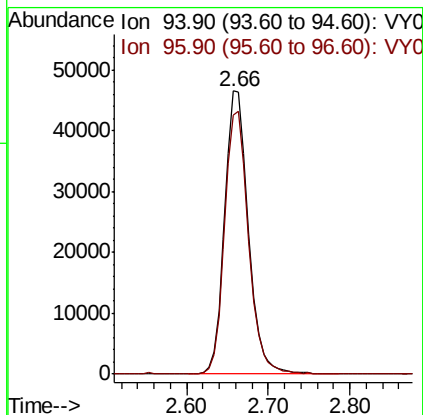
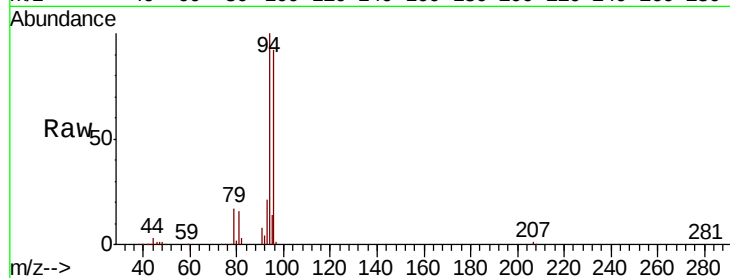
96 91.4 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 47.863 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY003504.D

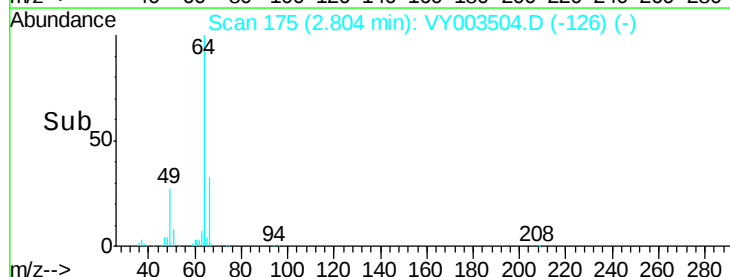
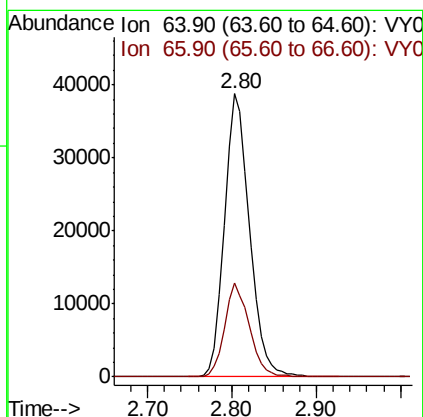
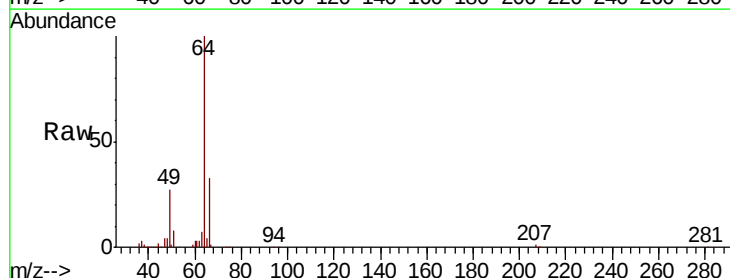
Acq: 04 Nov 2020 10:03

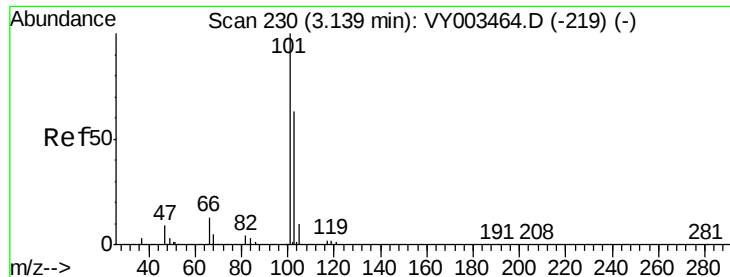
Tgt Ion: 64 Resp: 78373

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4





#7

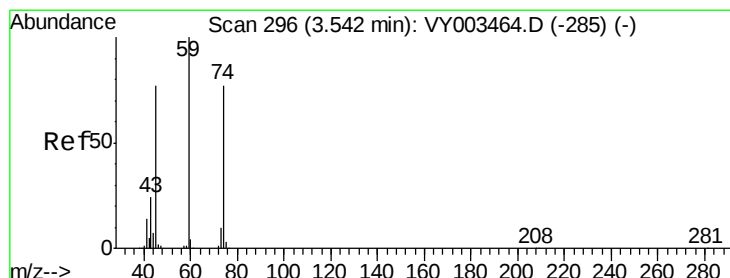
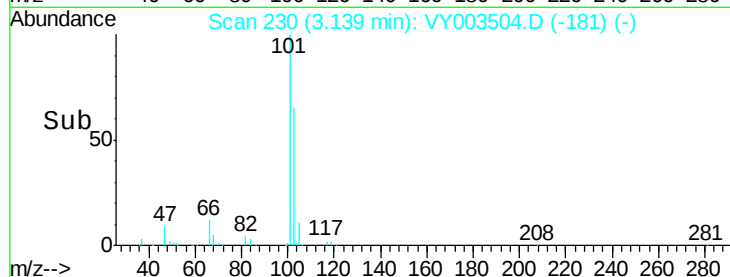
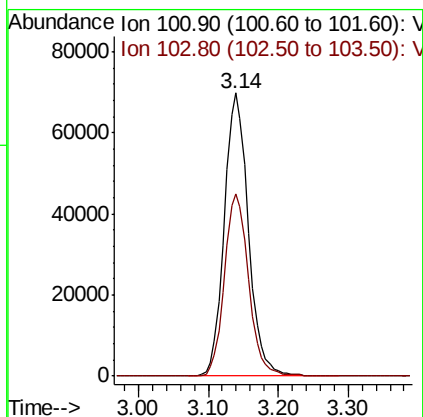
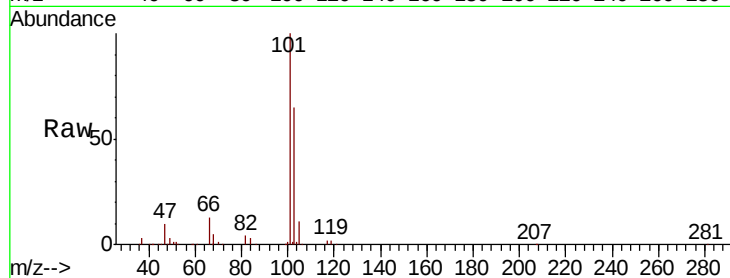
Trichlorofluoromethane
Concen: 47.810 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.7	76.1

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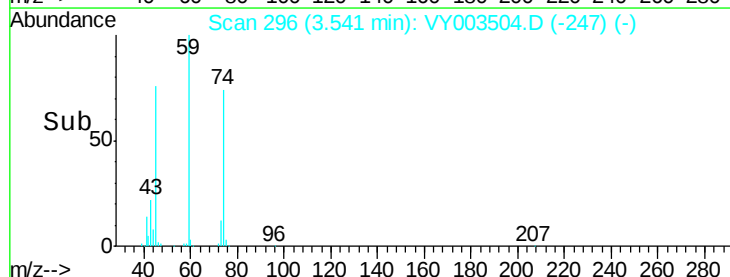
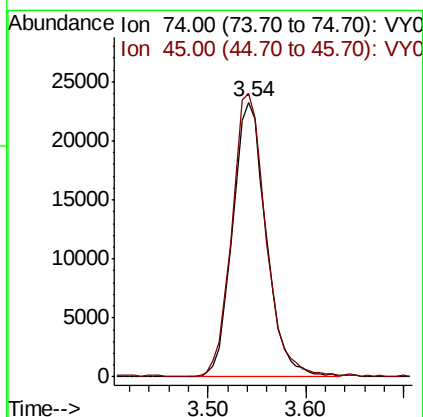
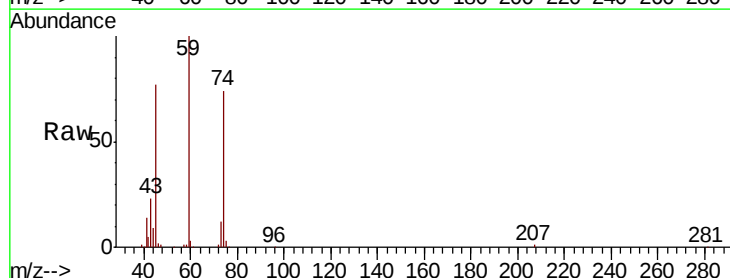
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11/5/2020 7:01:49 PM

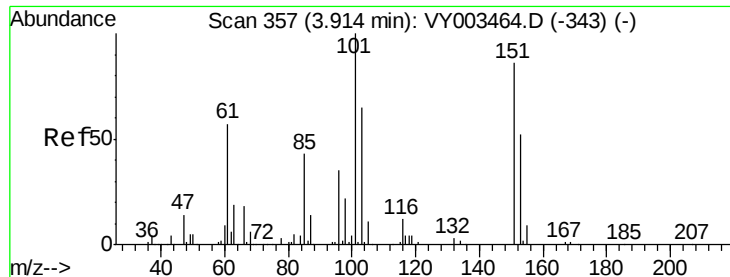


#8

Diethyl Ether
Concen: 51.735 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	50.7	152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.701 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

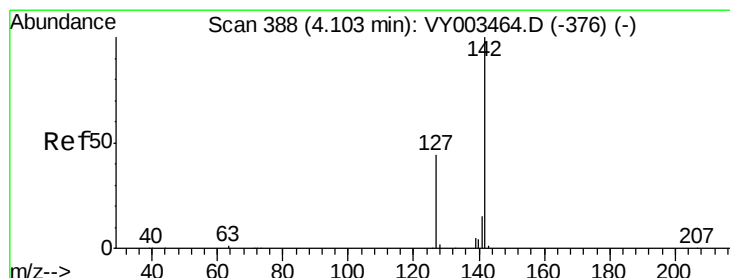
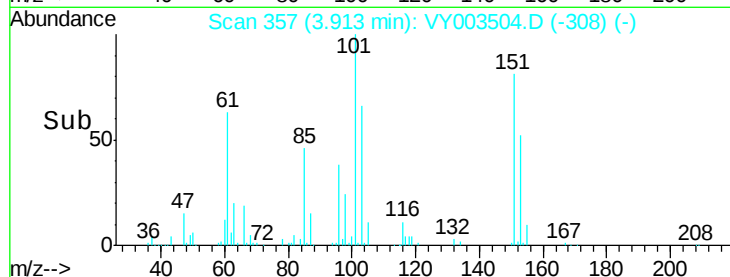
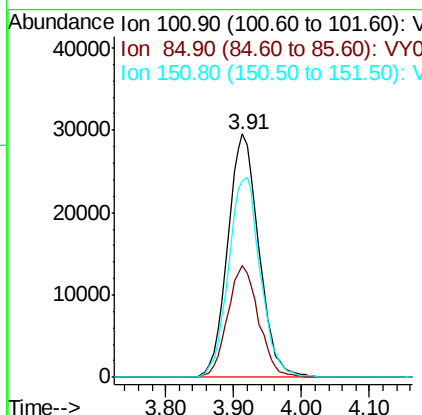
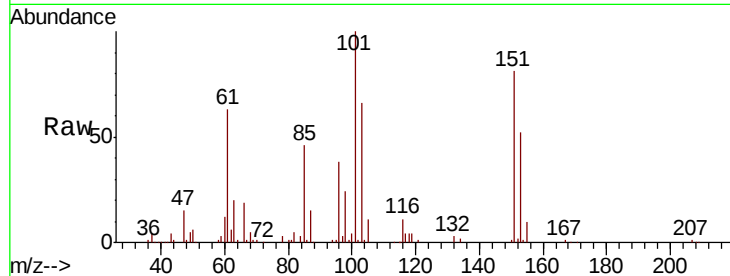
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93865
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.8
151	84.2	67.6	101.4

Manual Integrations
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11/5/2020 7:01:49 PM



#10

Methyl Iodide

Concen: 50.715 ug/l

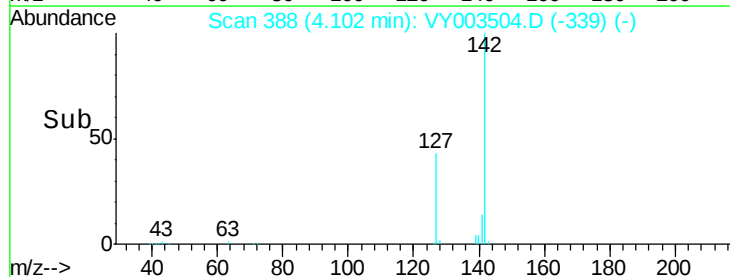
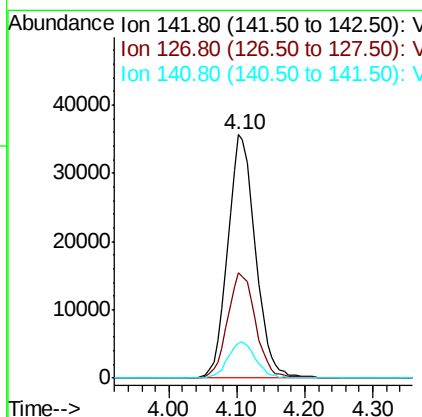
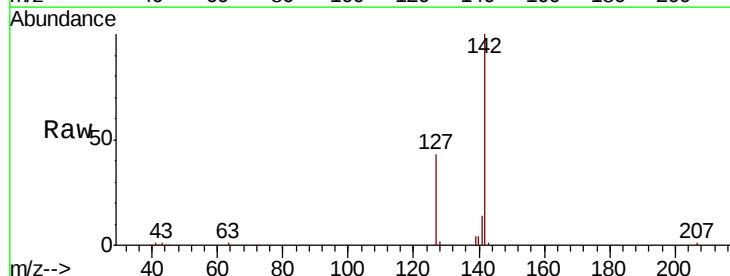
RT: 4.10 min Scan# 388

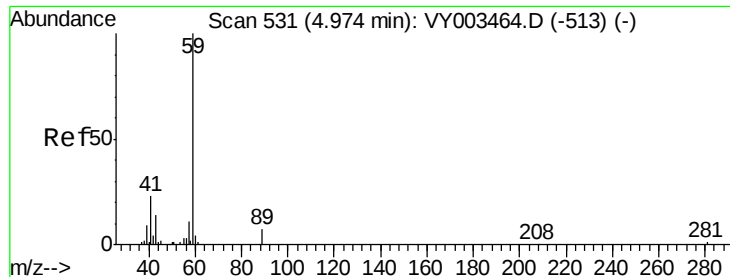
Delta R.T. 0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion:	142	Resp:	100470
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.5	51.7
141	14.9	11.8	17.8





#11

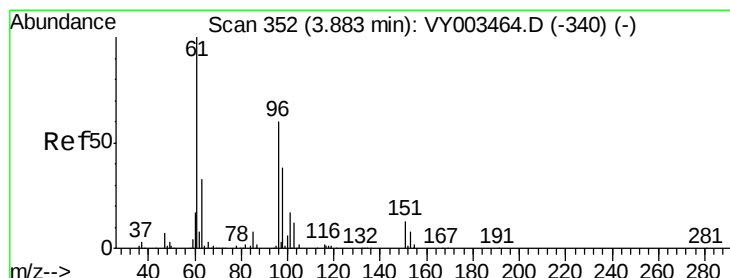
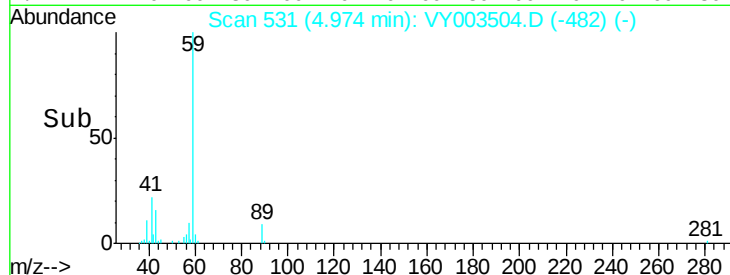
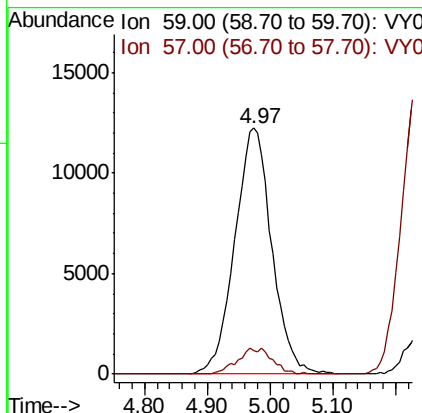
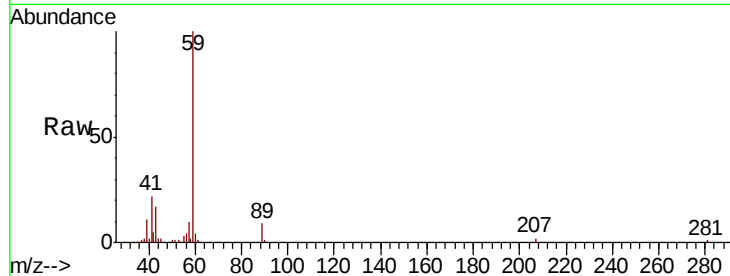
Tert butyl alcohol
Concen: 204.575 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	49871
Ion Ratio	100	Lower	Upper
57	9.8	7.9	11.9

Manual Integrations
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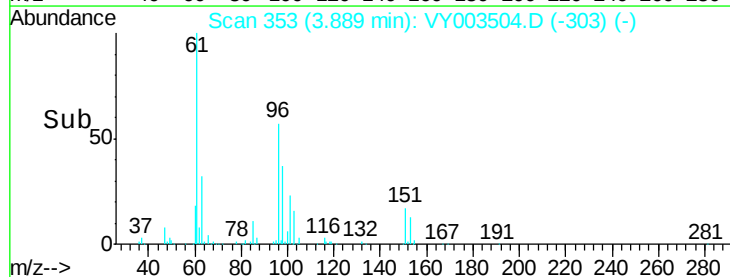
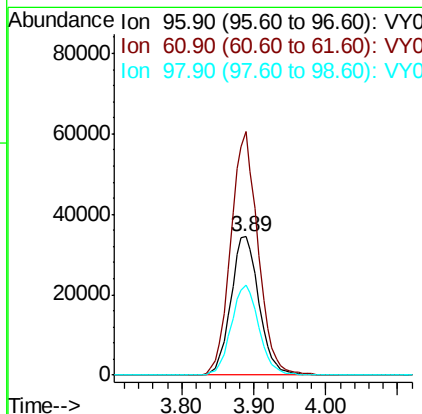
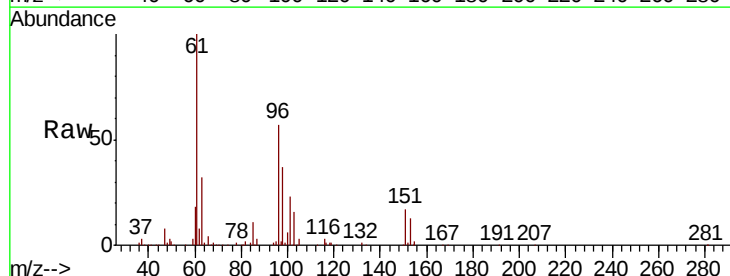
MMDadoda
11/5/2020 7:01:49 PM

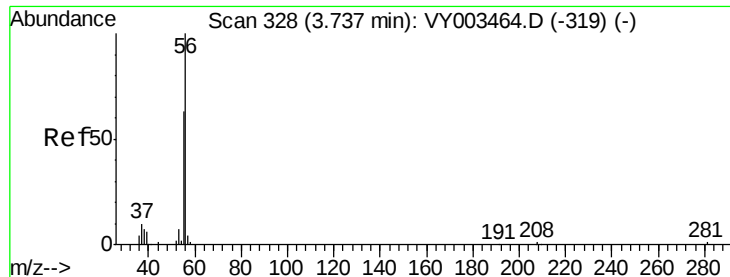


#12

1,1-Dichloroethene
Concen: 48.851 ug/l
RT: 3.89 min Scan# 353
Delta R.T. 0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	96	Resp	93678
Ion Ratio	100	Lower	Upper
61	175.8	133.6	200.4
98	64.9	50.2	75.2





#13

Acrolein

Concen: 247.321 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49442

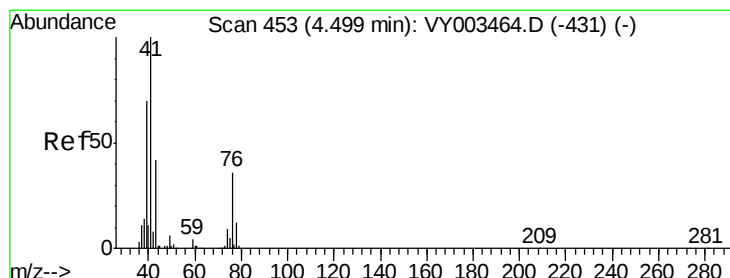
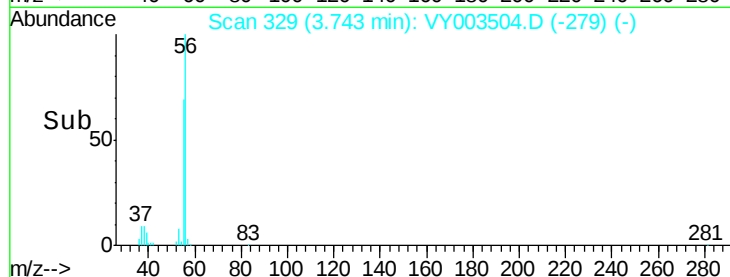
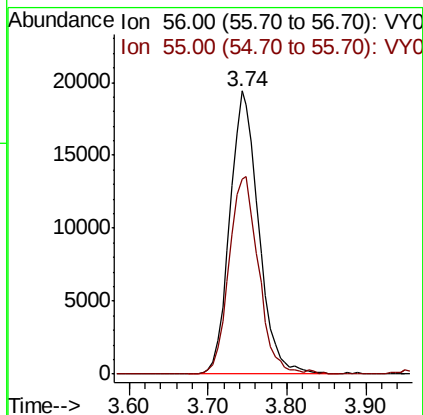
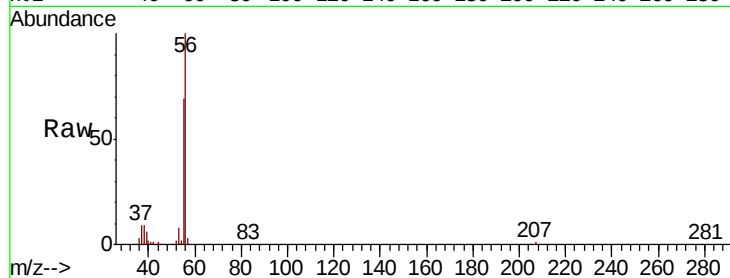
Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 49.240 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

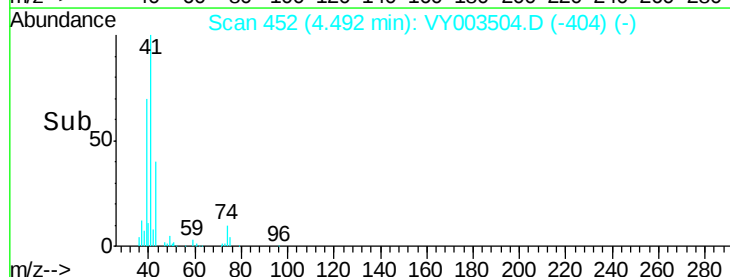
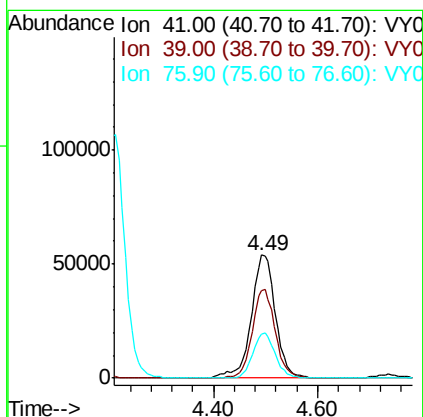
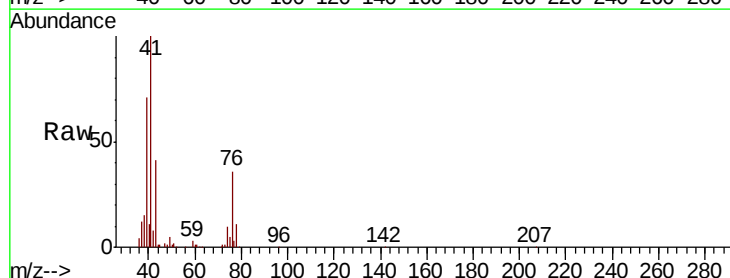
Tgt Ion: 41 Resp: 172270

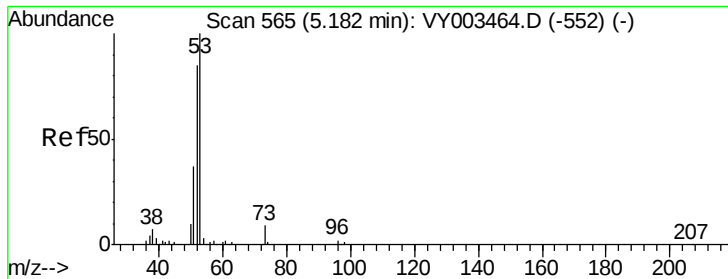
Ion Ratio Lower Upper

41 100

39 68.9 54.4 81.6

76 34.0 27.6 41.4





#15

Acrylonitrile

Concen: 222.837 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

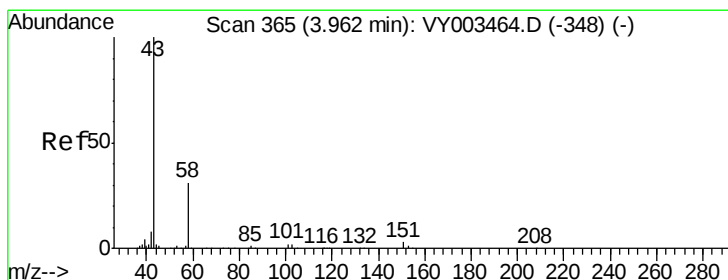
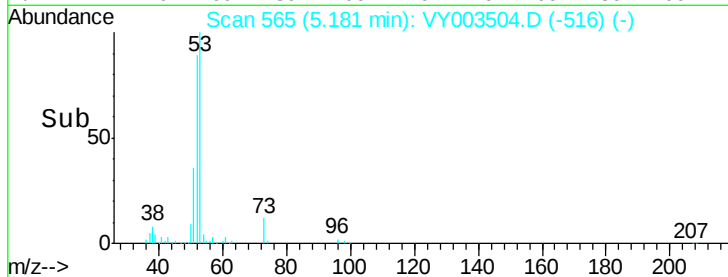
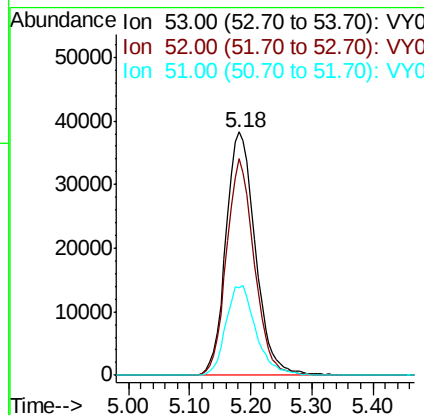
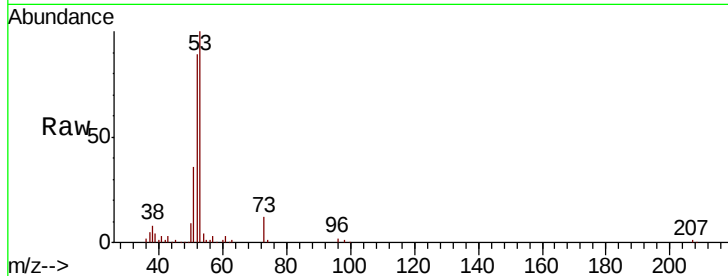
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	127199
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.9	100.3
51	37.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 291.768 ug/l

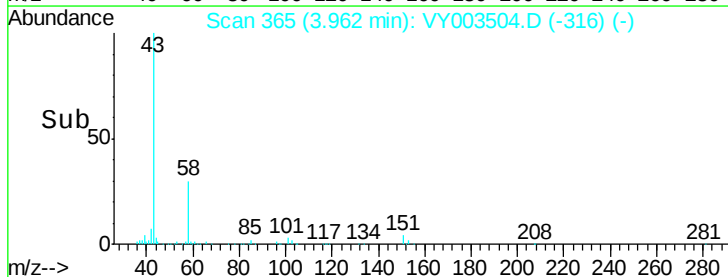
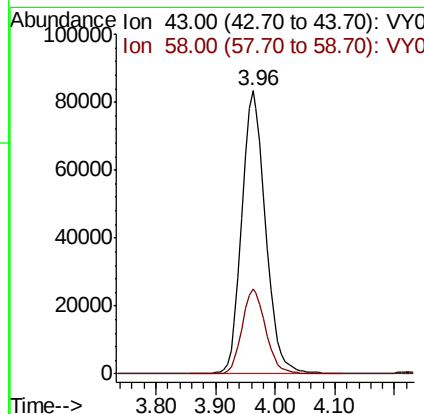
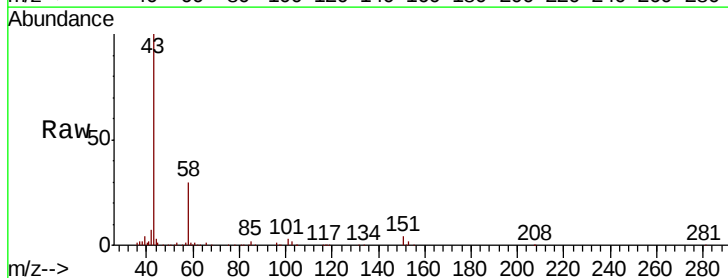
RT: 3.96 min Scan# 365

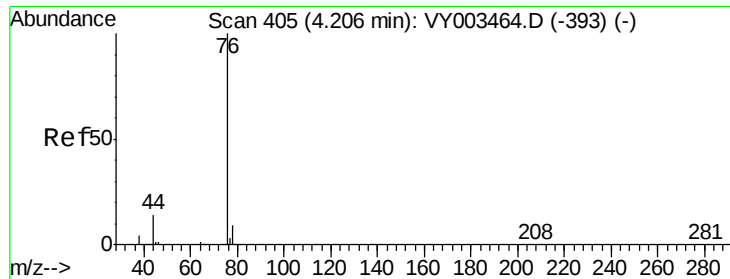
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion:	43	Resp:	231852
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.0	37.4





#17

Carbon Disulfide

Concen: 47.774 ug/l

RT: 4.21 min Scan# 406

Delta R.T. 0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 296786

Ion Ratio Lower Upper

76 100

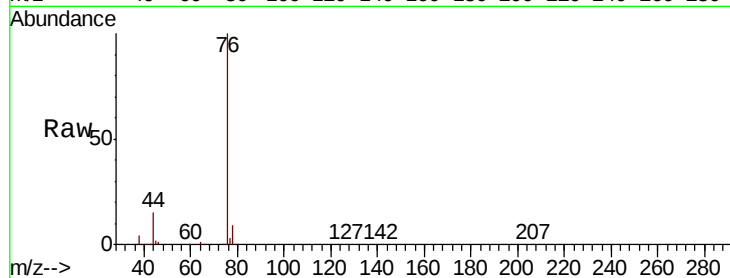
78 8.8 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

120000

100000

80000

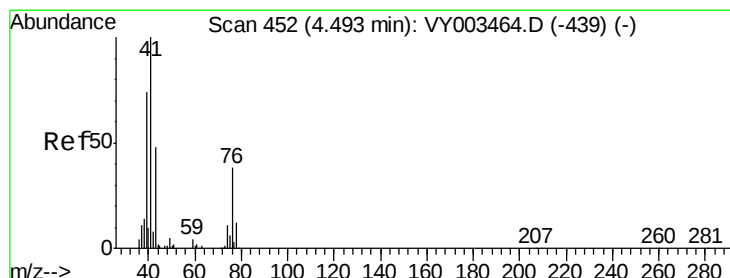
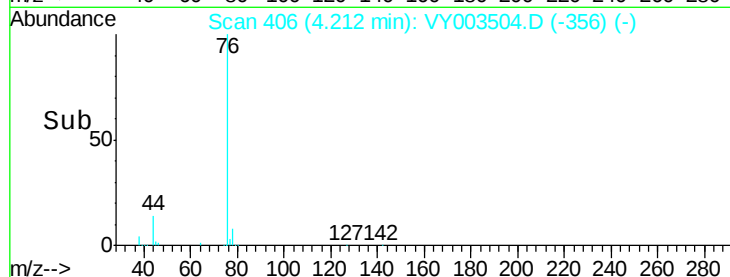
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 44.866 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003504.D

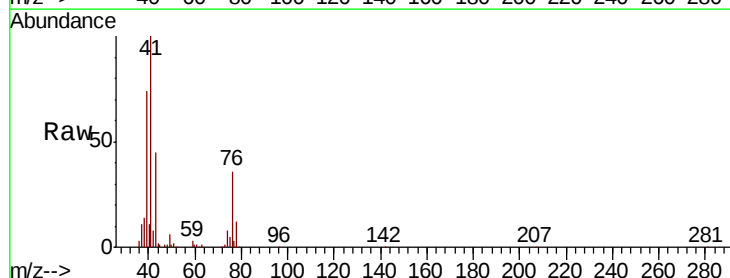
Acq: 04 Nov 2020 10:03

Tgt Ion: 43 Resp: 67375

Ion Ratio Lower Upper

43 100

74 22.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

25000

20000

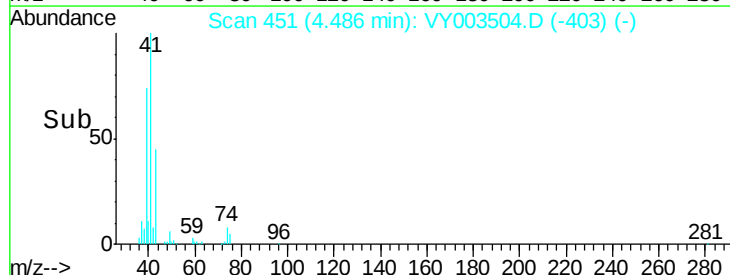
15000

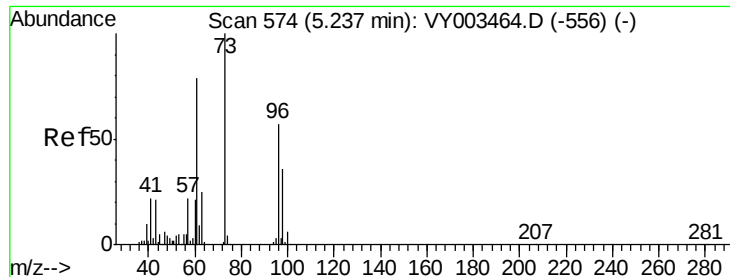
10000

5000

0

Time-->





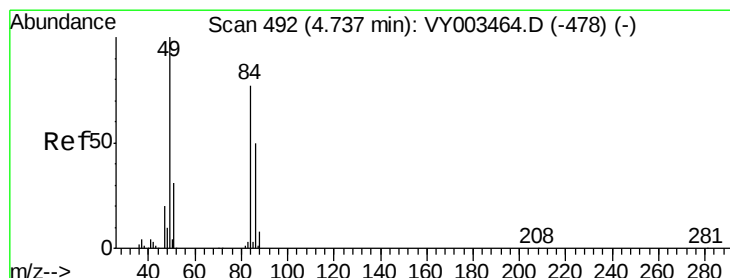
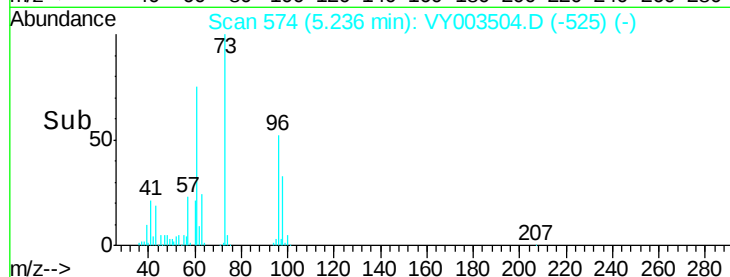
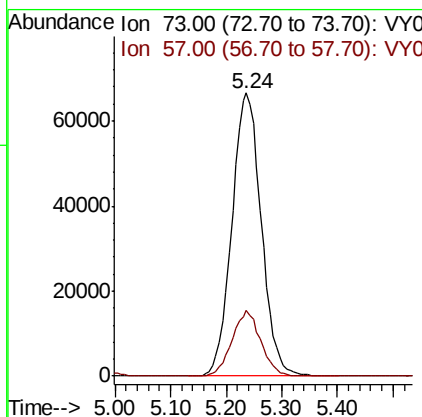
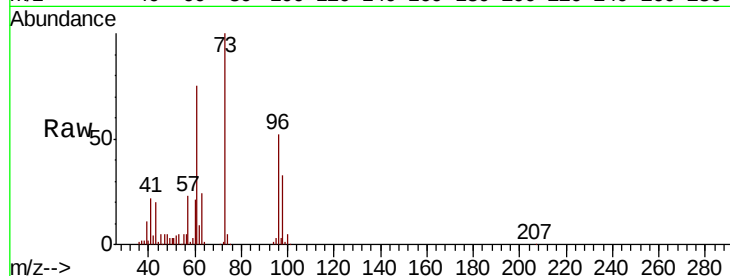
#19
Methvl tert-butvl Ether
Concen: 51.254 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.2	25.8

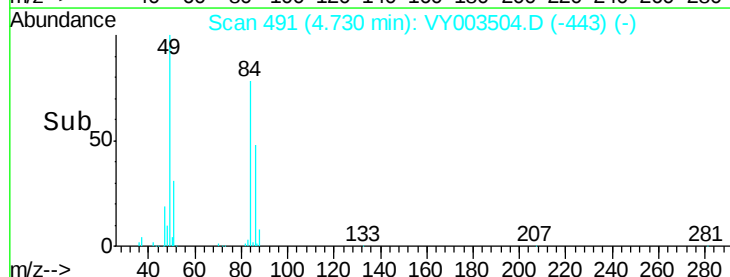
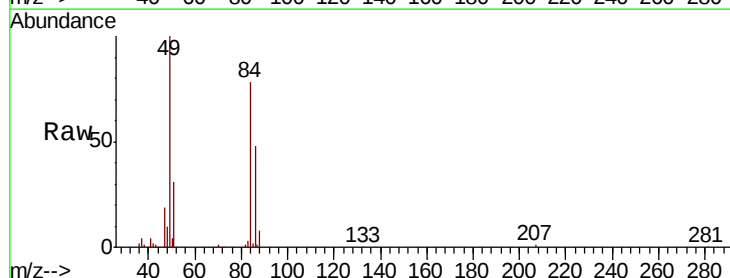
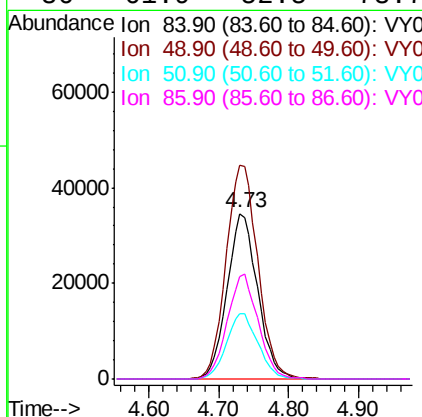
Manual Integrations
APPROVED

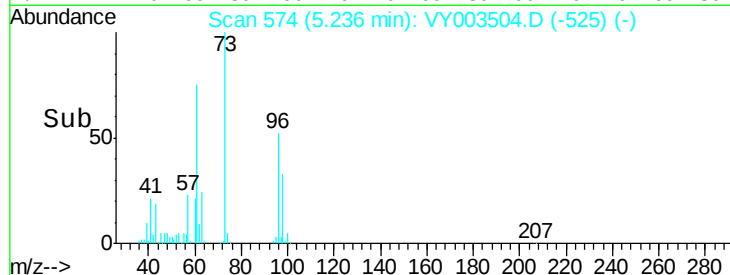
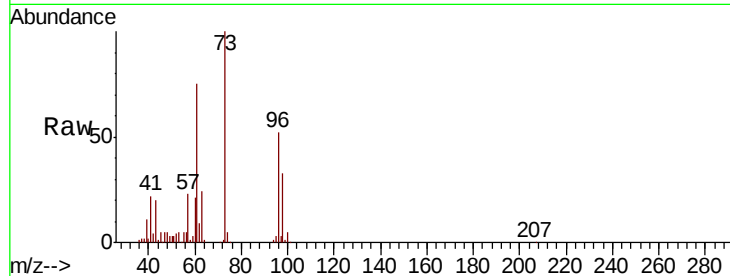
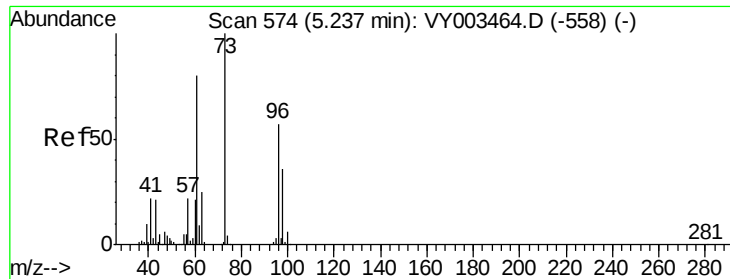
MMDadoda
11/5/2020 7:01:49 PM



#20
Methylene Chloride
Concen: 46.859 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	104.3	156.5
51	39.7	32.5	48.7
86	61.9	52.5	78.7





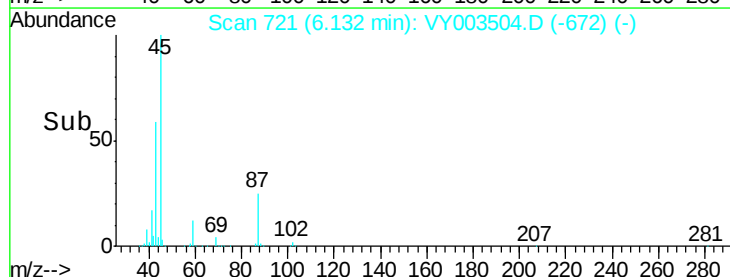
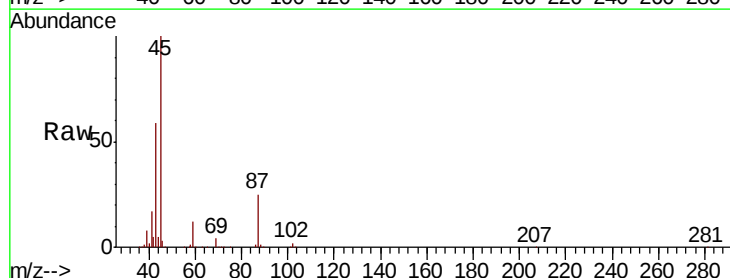
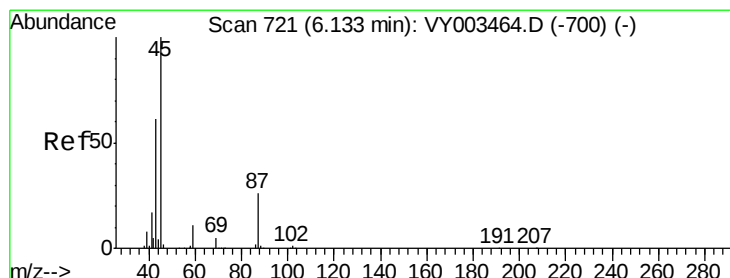
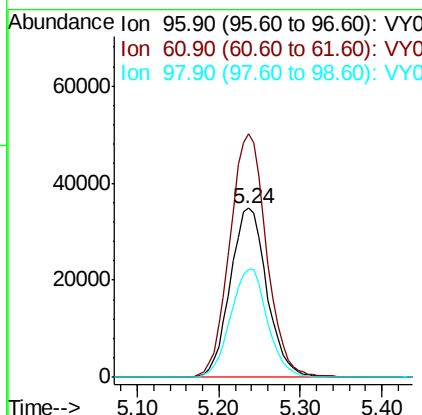
#21
trans-1,2-Dichloroethene
Concen: 48.870 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	111.3	166.9
98	63.6	50.3	75.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

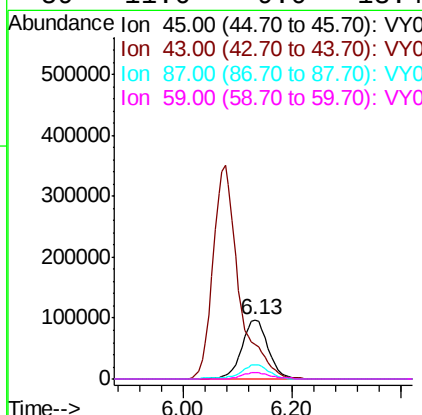
Manual Integrations
APPROVED

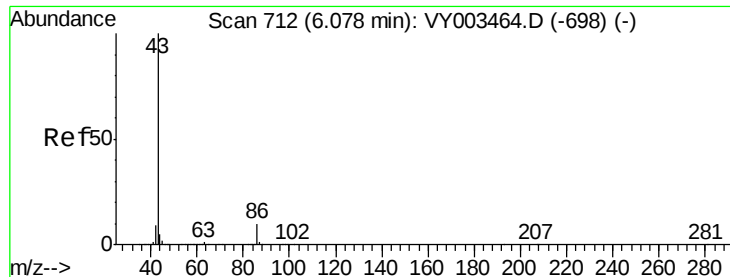
MMDadoda
11/5/2020 7:01:49 PM



#22
Diisopropyl ether
Concen: 53.267 ug/l
RT: 6.13 min Scan# 721
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.8	73.2
87	24.8	20.6	31.0
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 250.454 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1154904

Ion Ratio Lower Upper

43 100

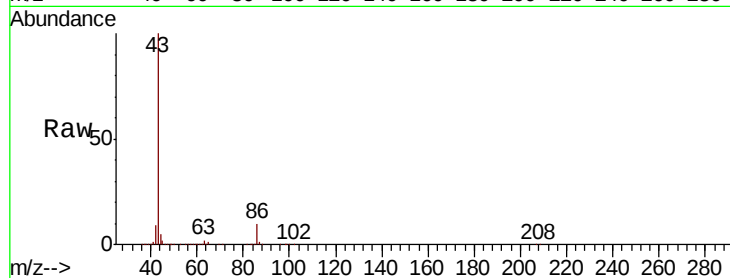
86 9.9 8.2 12.2

Manual Integrations

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11/5/2020 7:01:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

400000

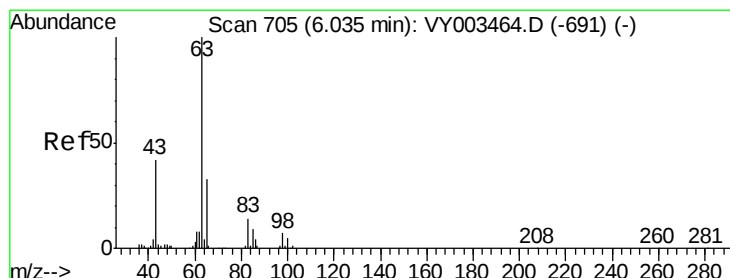
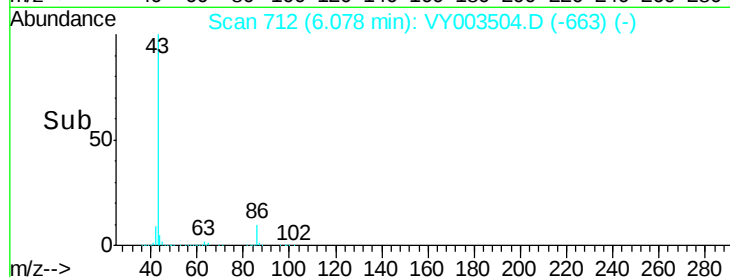
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.649 ug/l

RT: 6.03 min Scan# 705

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

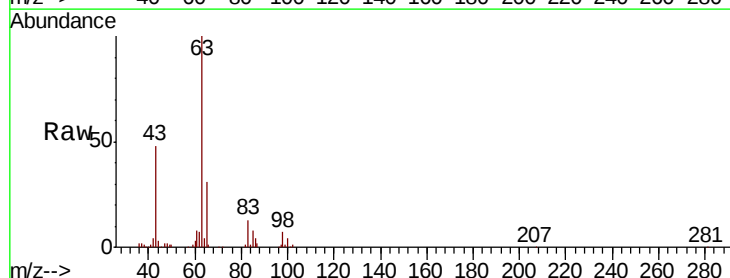
Tgt Ion: 63 Resp: 197500

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.4 2.3 6.9



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

6.03

80000

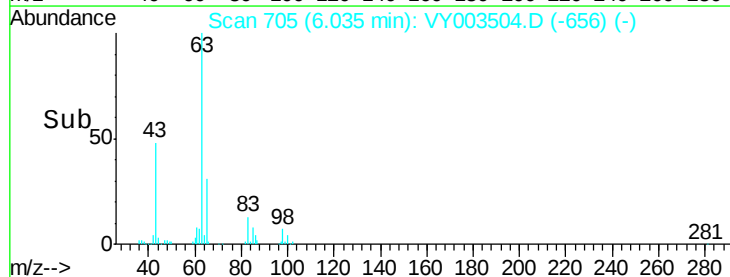
60000

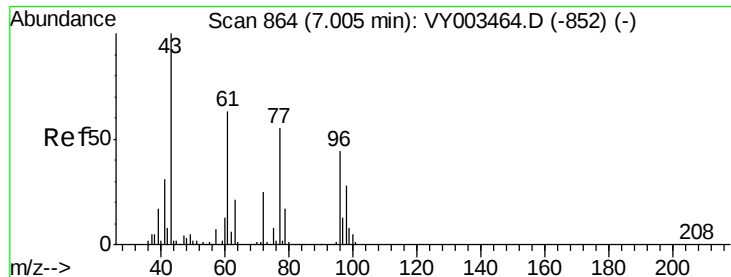
40000

20000

0

Time-->





#25

2-Butanone

Concen: 264.353 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 262733

Ion Ratio Lower Upper

43 100

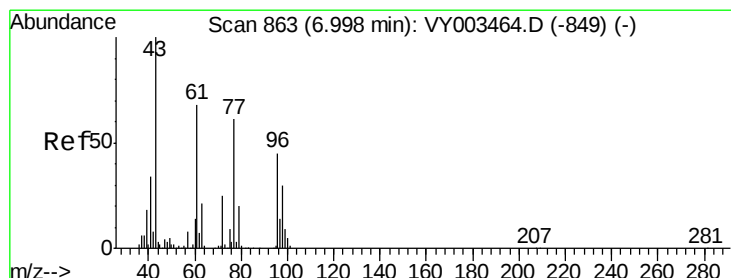
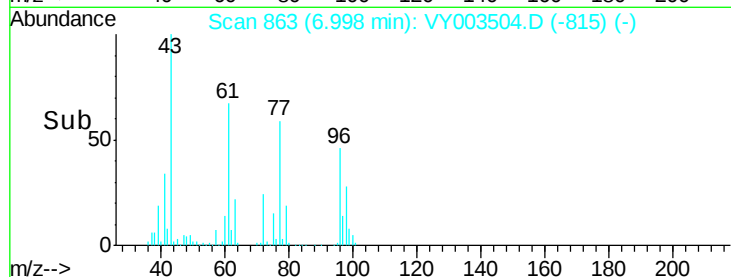
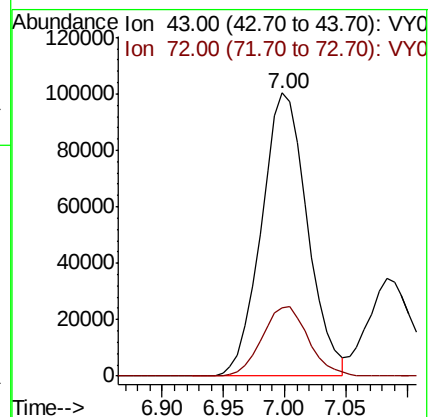
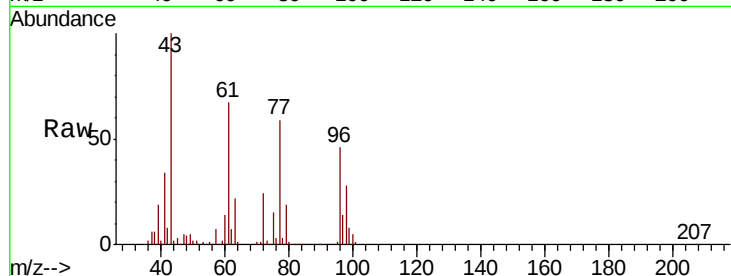
72 24.1 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

11/5/2020 7:01:49 PM



#26

2,2-Dichloropropane

Concen: 50.147 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003504.D

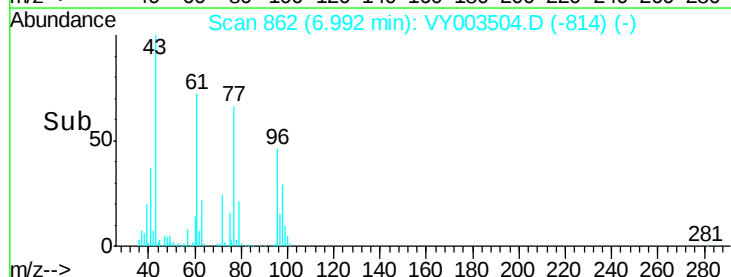
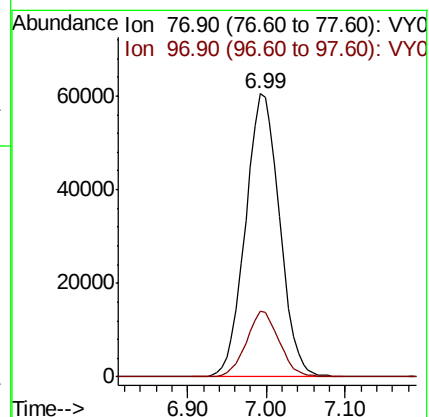
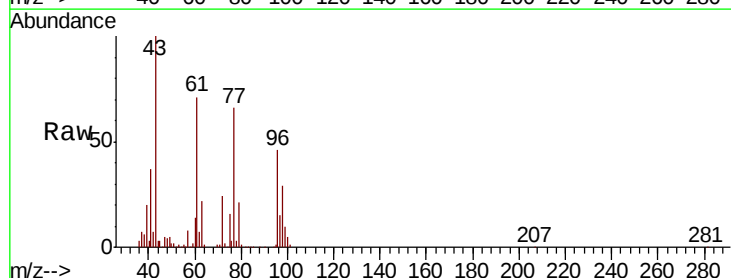
Acq: 04 Nov 2020 10:03

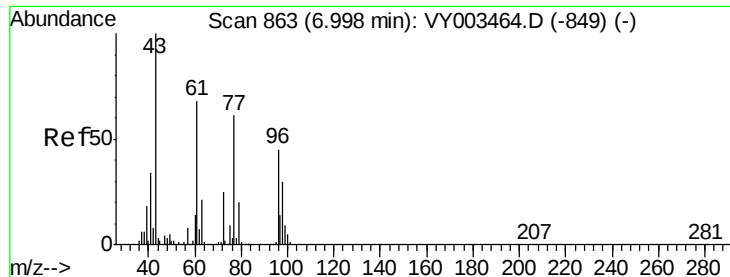
Tgt Ion: 77 Resp: 182173

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

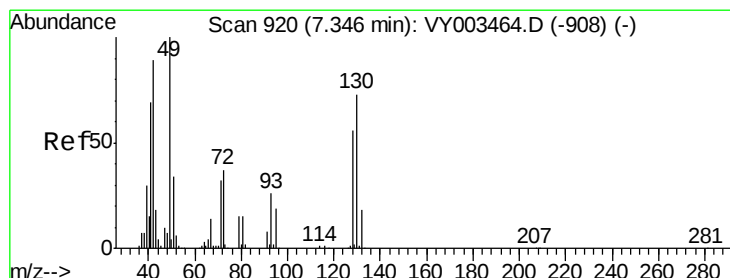
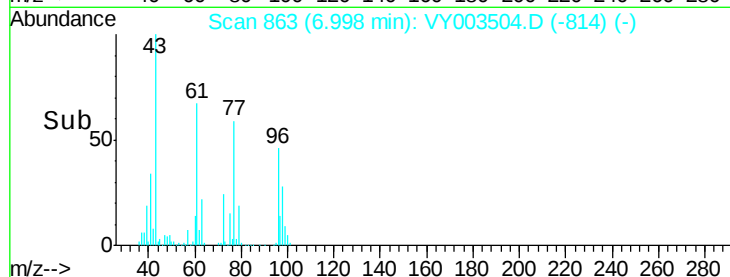
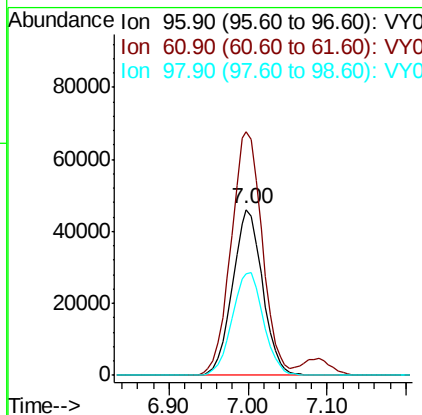
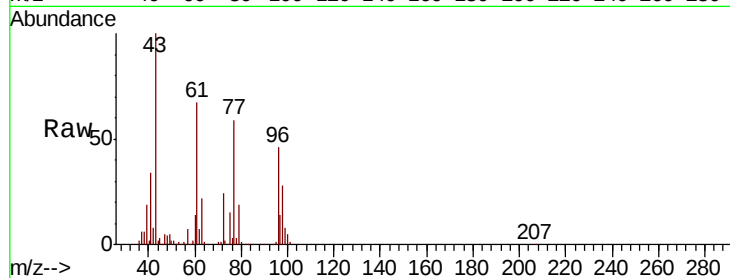
cis-1,2-Dichloroethene
 Concen: 50.642 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	299.2
98	64.6	0.0	128.6

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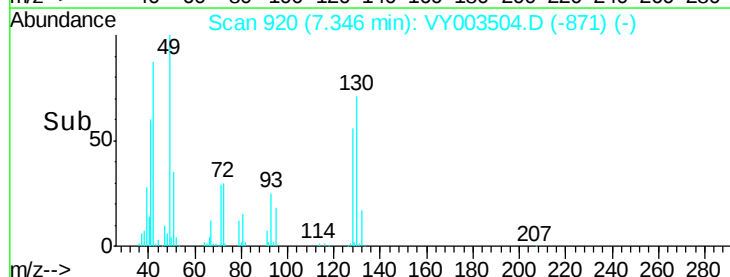
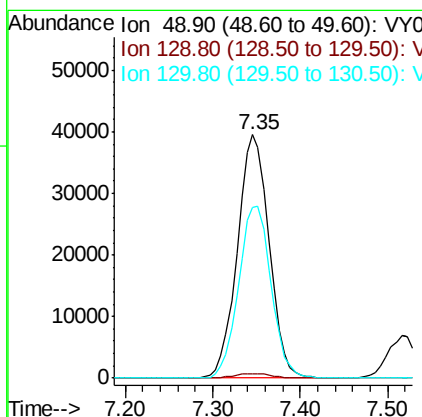
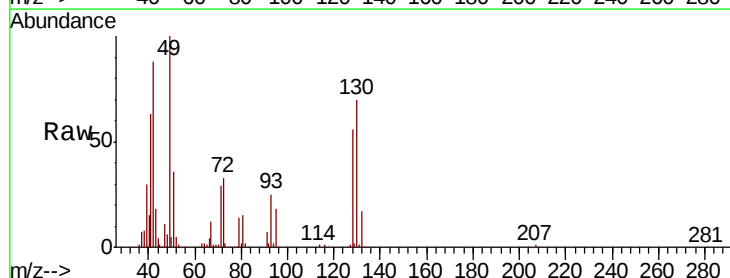
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 11/5/2020 7:01:49 PM

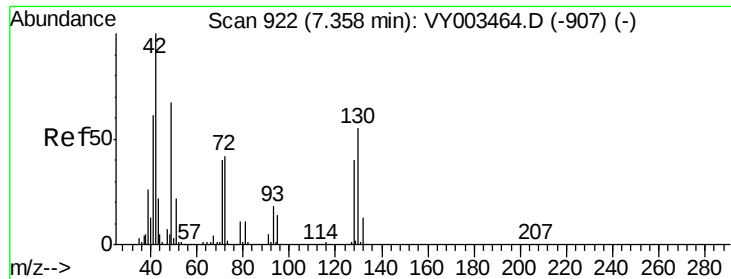


#28

Bromochloromethane
 Concen: 50.670 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	72.4	60.0	90.0





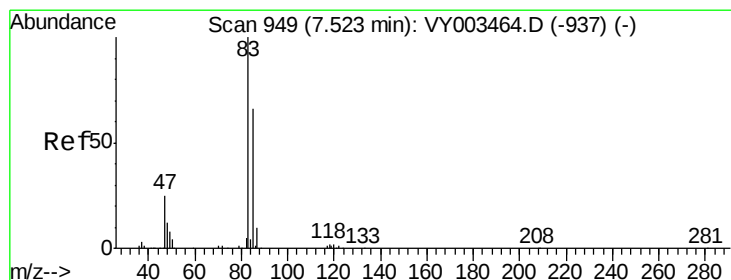
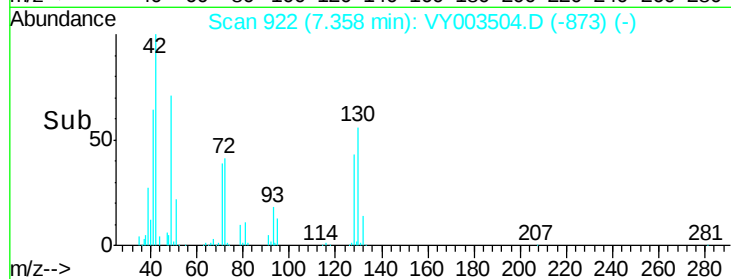
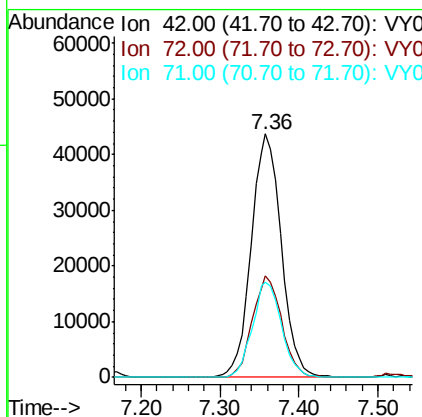
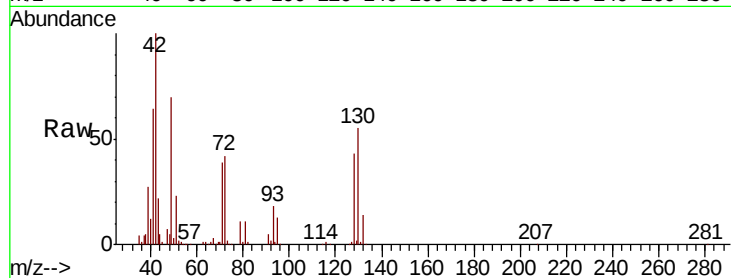
#29
Tetrahydrofuran
Concen: 222.740 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.8	49.2
71	38.0	30.7	46.1

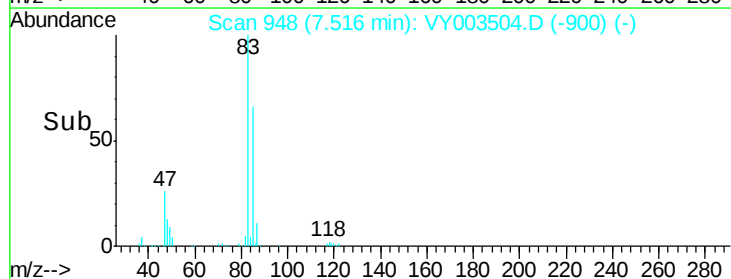
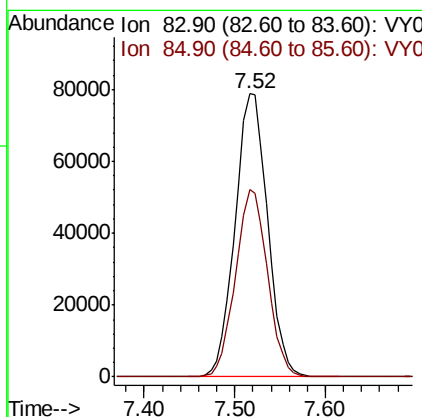
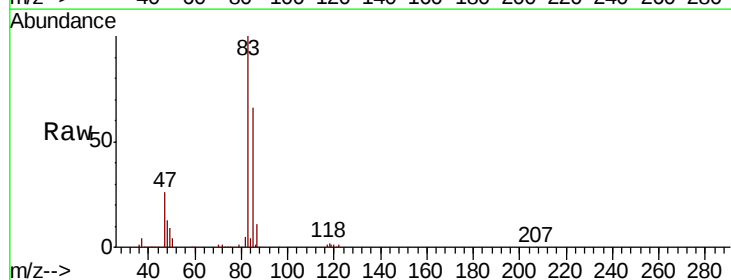
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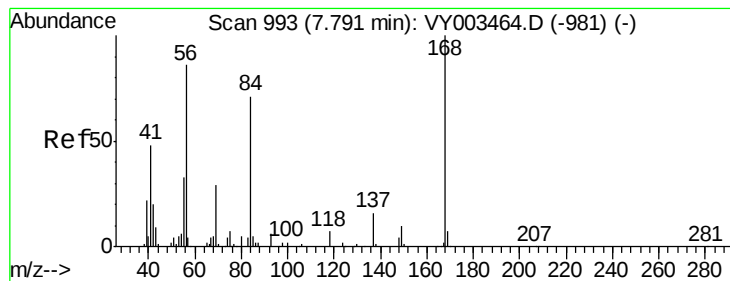
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#30
Chloroform
Concen: 51.245 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	79.0





#31

Cyclohexane

Concen: 45.984 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

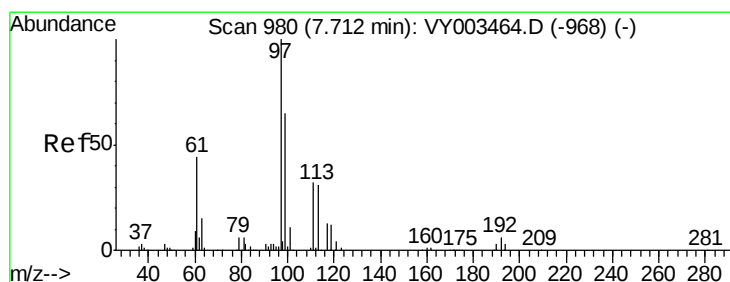
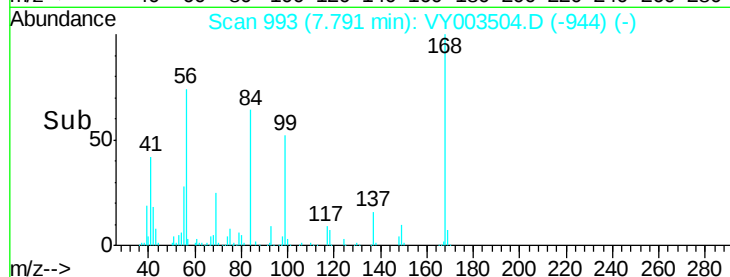
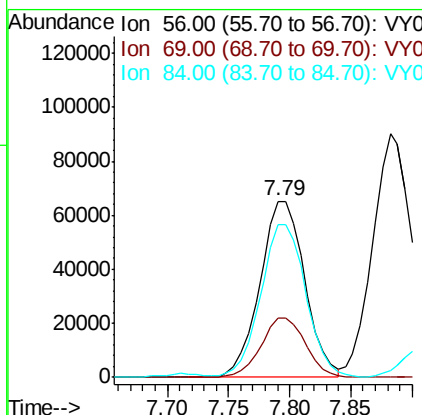
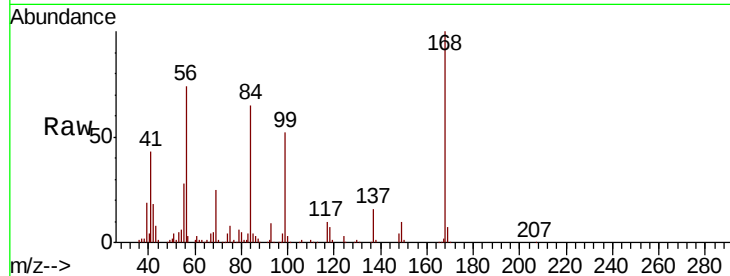
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		166026		
69	33.4	26.6	39.8		
84	85.3	65.9	98.9		

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#32

1,1,1-Trichloroethane

Concen: 50.019 ug/l

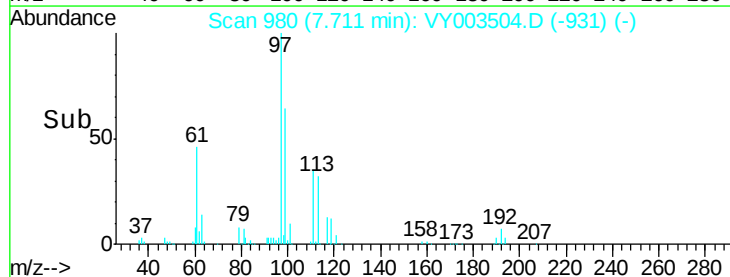
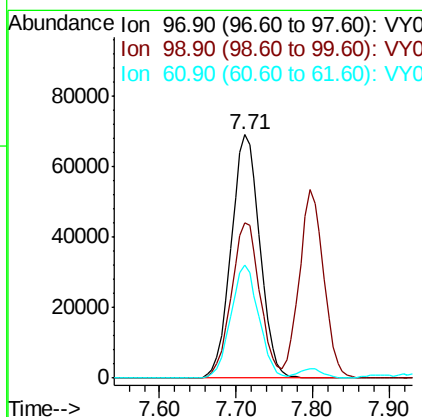
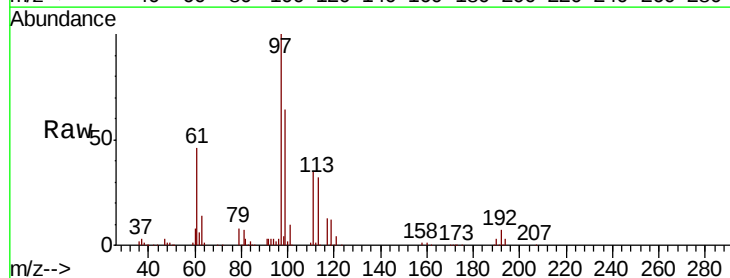
RT: 7.71 min Scan# 980

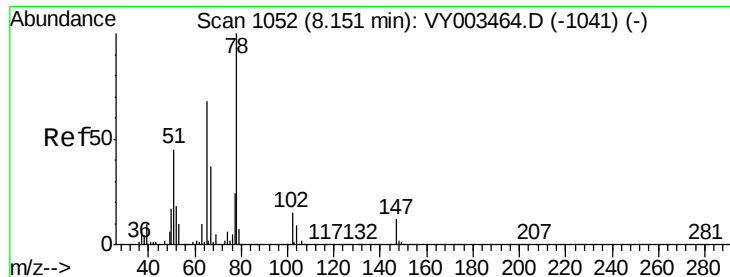
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		178720		
99	63.9	51.6	77.4		
61	45.4	35.1	52.7		





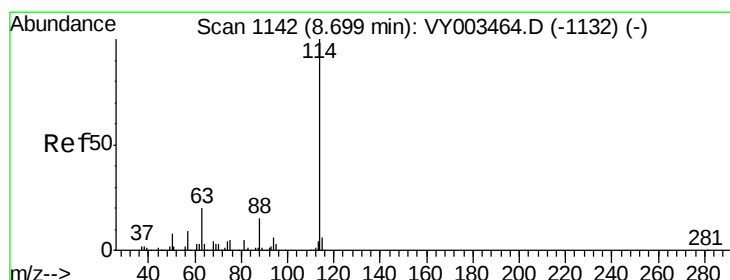
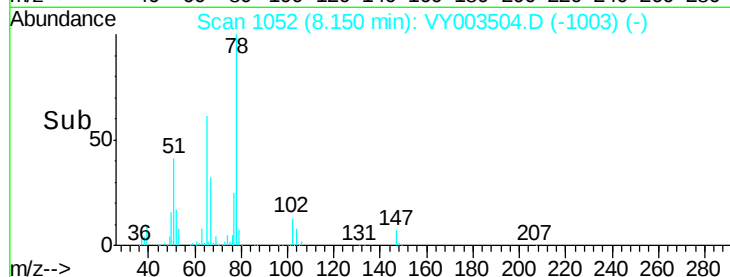
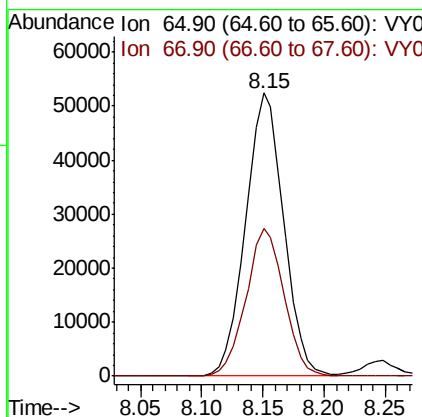
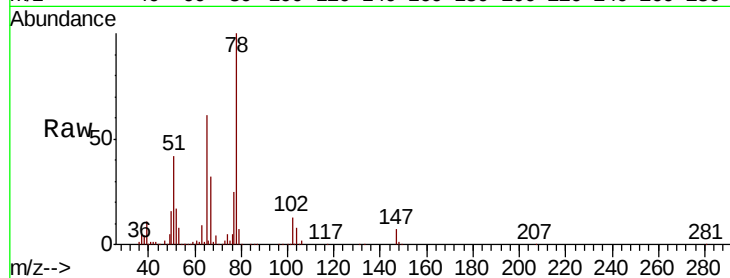
#33
 1,2-Dichloroethane-d4
 Concen: 47.154 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	106.0	

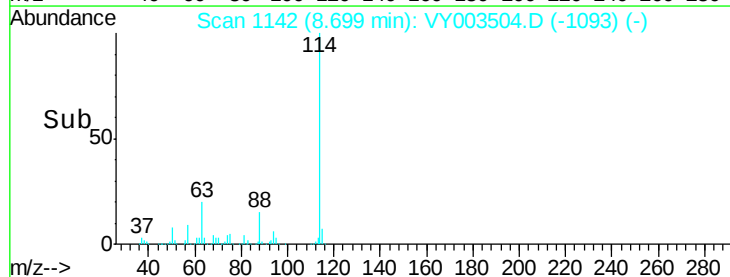
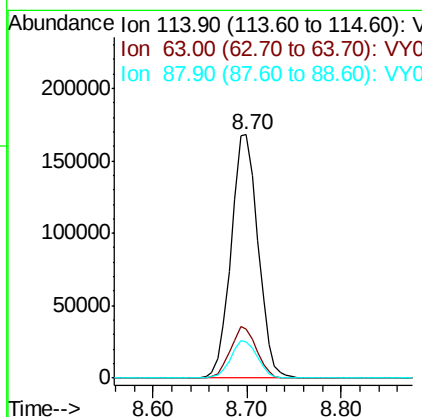
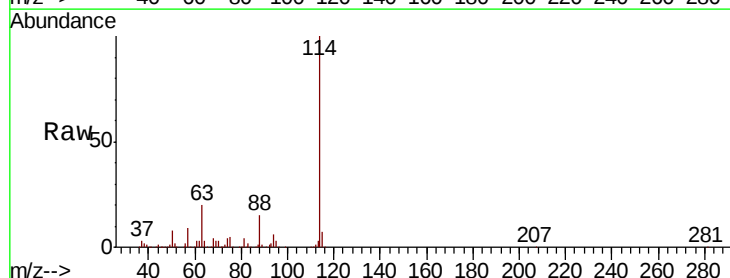
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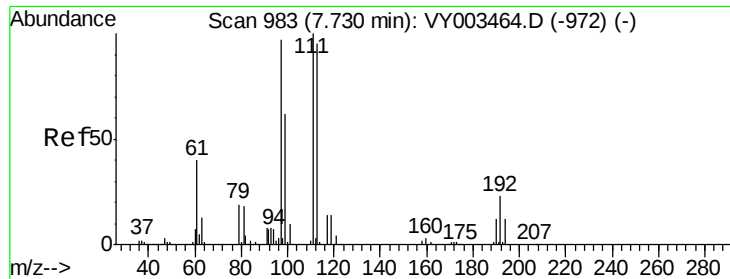
MMDadoda
 11/5/2020 7:01:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	40.6	
88	14.8	0.0	29.4	





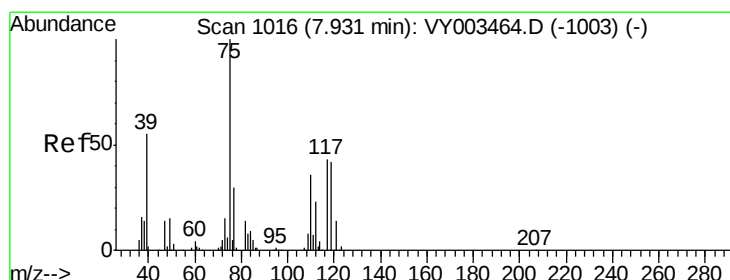
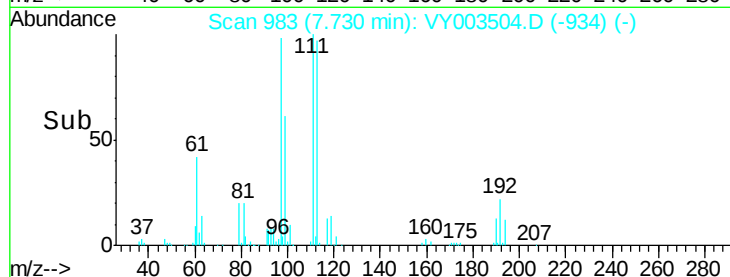
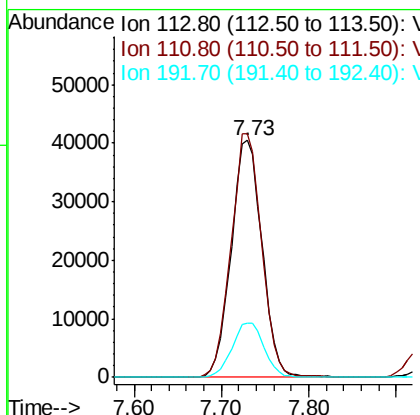
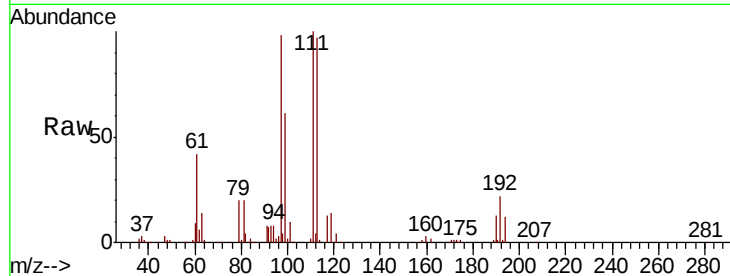
#35
 Dibromofluoromethane
 Concen: 48.705 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	23.7	18.8	28.2

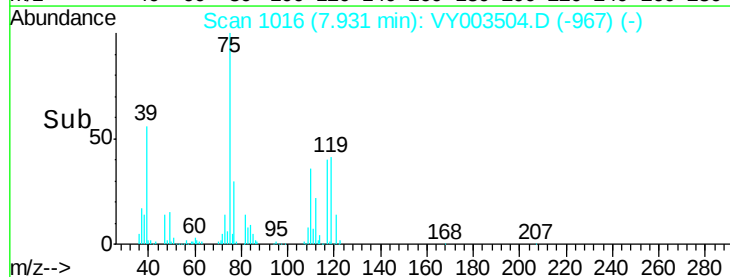
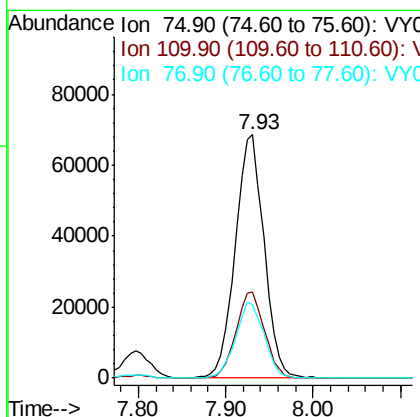
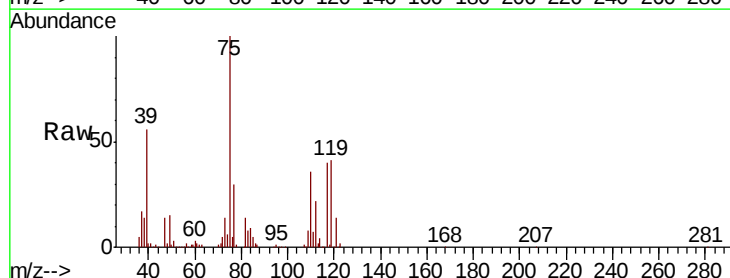
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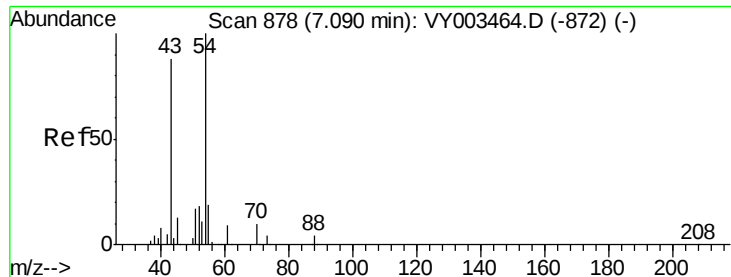
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#36
 1,1-Dichloropropene
 Concen: 49.649 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.6	52.9
77	30.8	24.7	37.1





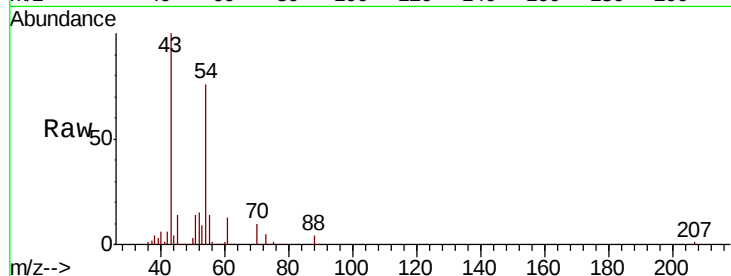
#37
Ethyl Acetate
Concen: 45.813 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

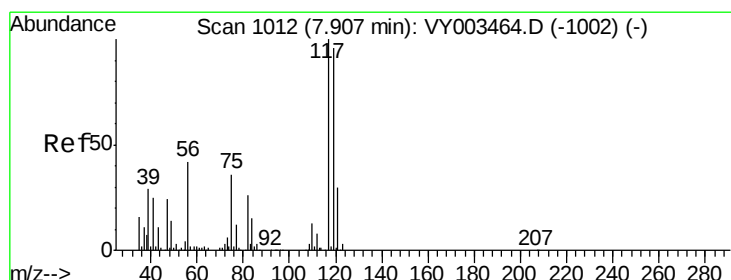
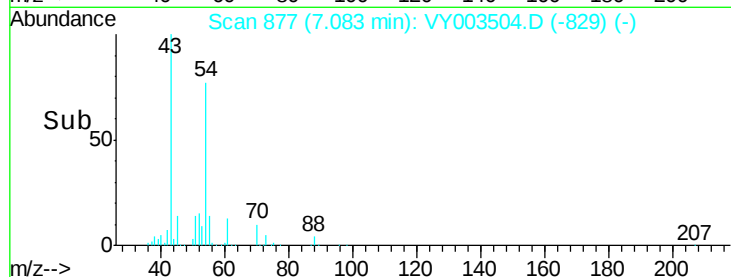
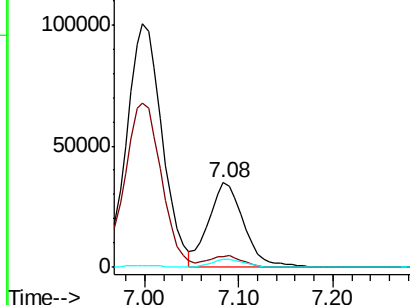
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.6
70	9.3	7.9	11.9

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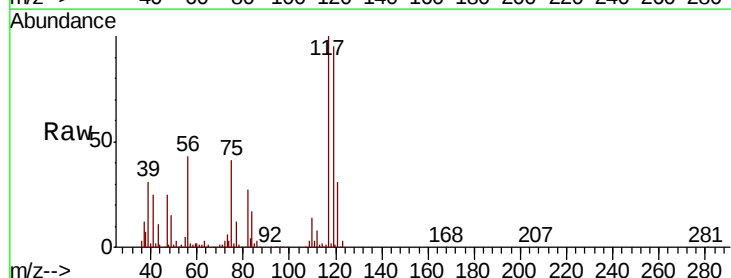


Abundance Ion 43.00 (42.70 to 43.70): VY003504.D (-829) (-)
Ion 60.90 (60.60 to 61.60): VY003504.D (-829) (-)
Ion 70.00 (69.70 to 70.70): VY003504.D (-829) (-)

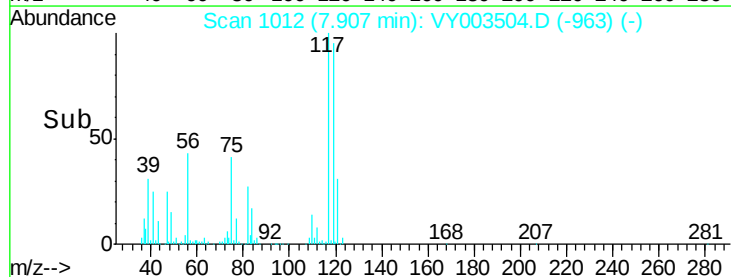
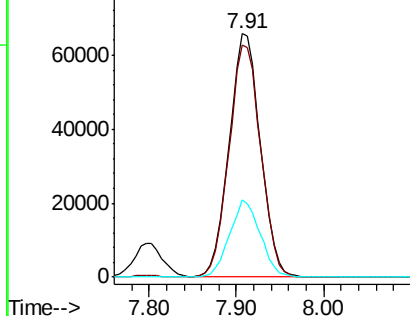


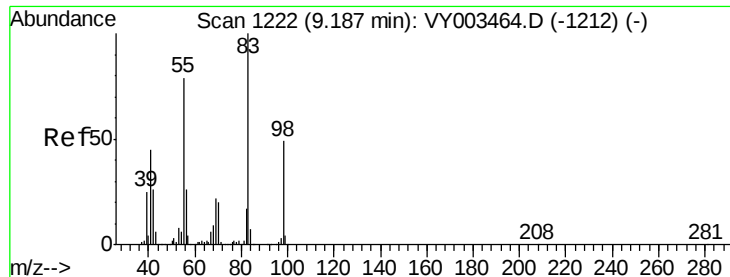
#38
Carbon Tetrachloride
Concen: 49.873 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.4
121	31.5	24.2	36.4



Abundance Ion 116.80 (116.50 to 117.50): VY003504.D (-963) (-)
Ion 118.80 (118.50 to 119.50): VY003504.D (-963) (-)
Ion 120.80 (120.50 to 121.50): VY003504.D (-963) (-)





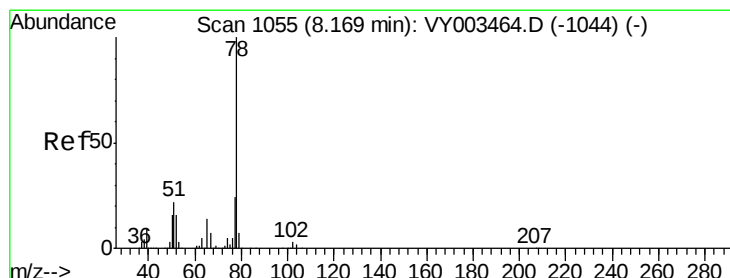
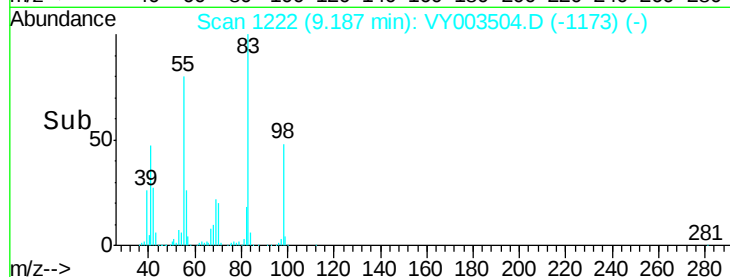
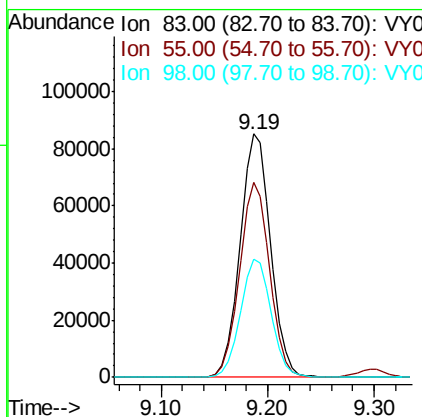
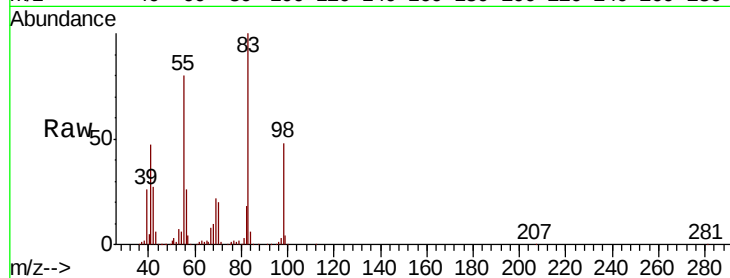
#39
Methvlcvclohexane
Concen: 48.736 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	171392
Ion Ratio	Lower	Upper	
83	100		
55	80.2	63.5	95.3
98	48.4	39.4	59.2

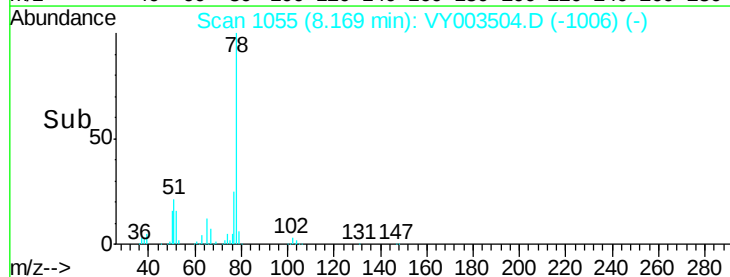
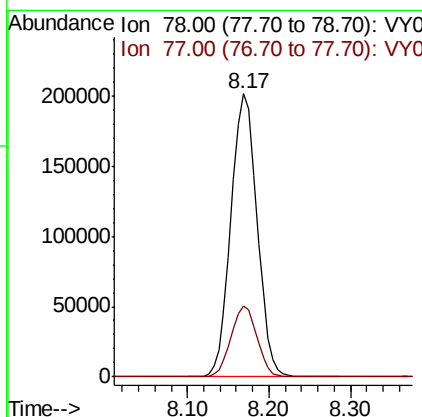
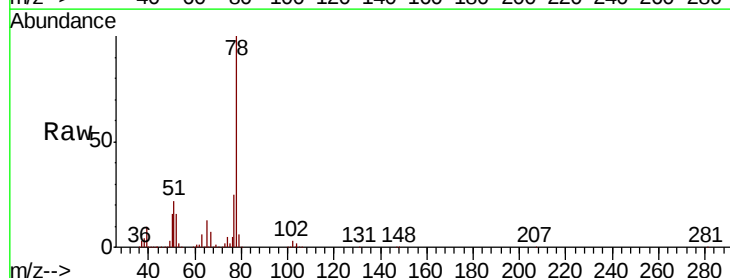
Manual Integrations
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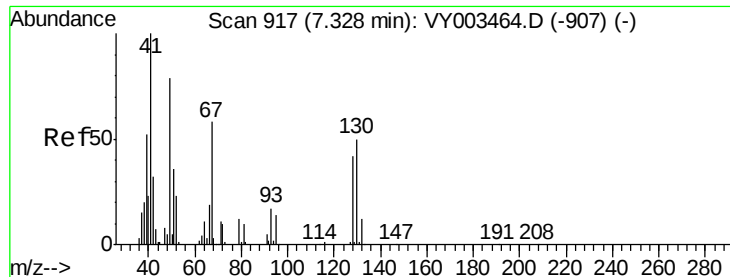
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#40
Benzene
Concen: 50.697 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	78	Resp	445592
Ion Ratio	Lower	Upper	
78	100		
77	25.0	19.4	29.0





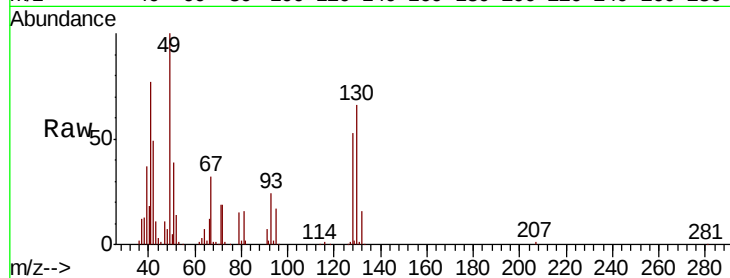
#41
Methacrylonitrile
Concen: 53.984 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

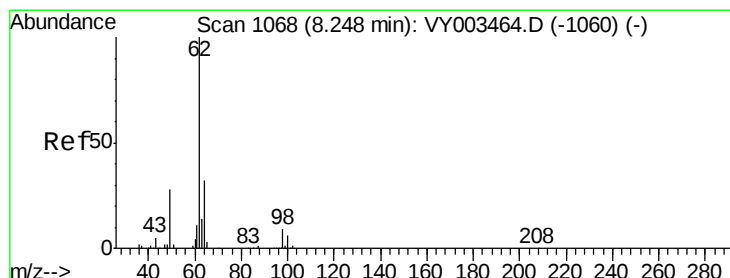
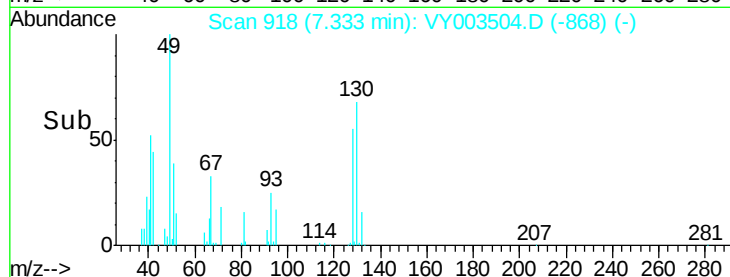
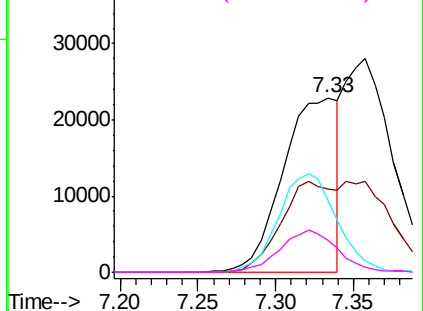
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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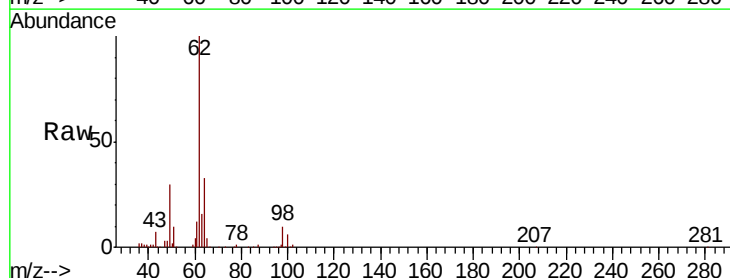


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

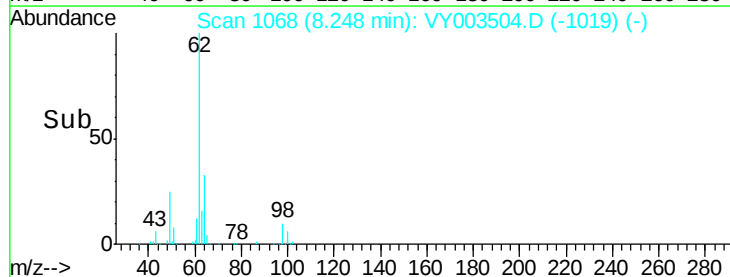
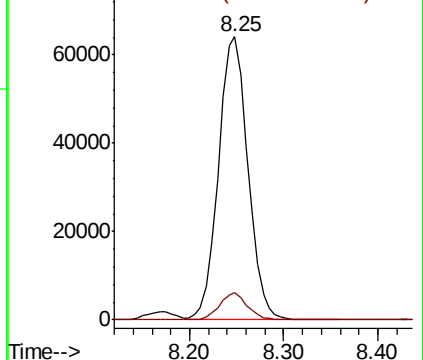


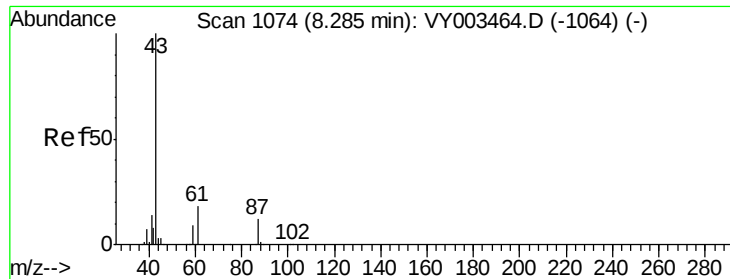
#42
1,2-Dichloroethane
Concen: 50.385 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

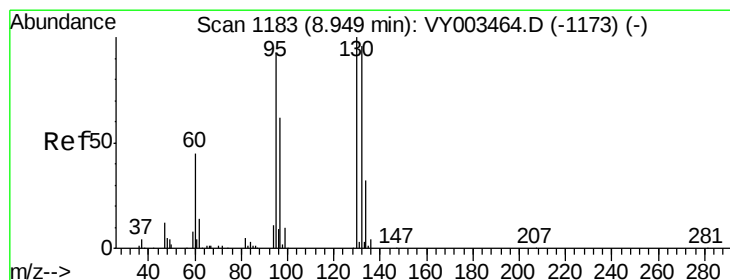
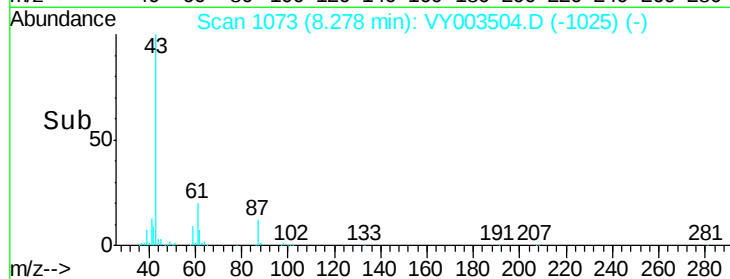
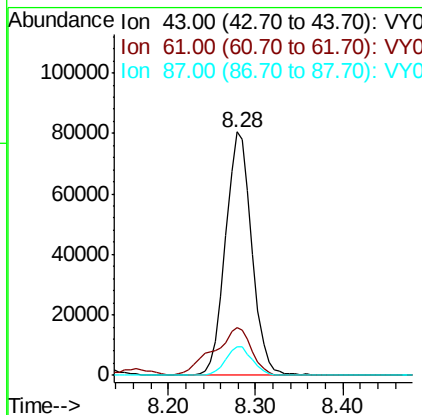
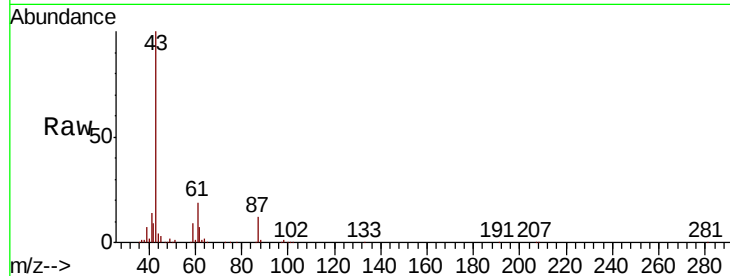
Isopropyl Acetate
 Concen: 47.638 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.9	32.9
87	12.0	10.0	15.0

Manual Integrations
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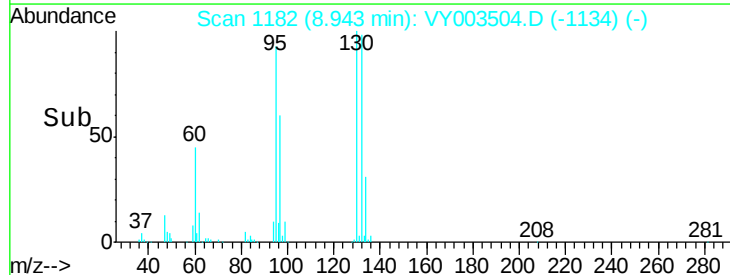
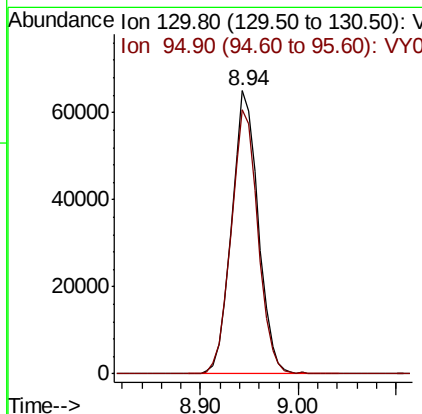
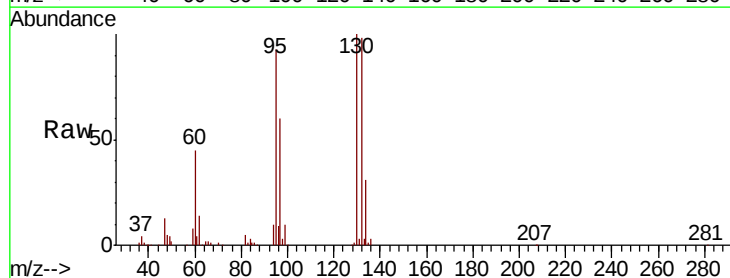
MMDadoda
 11/5/2020 7:01:49 PM

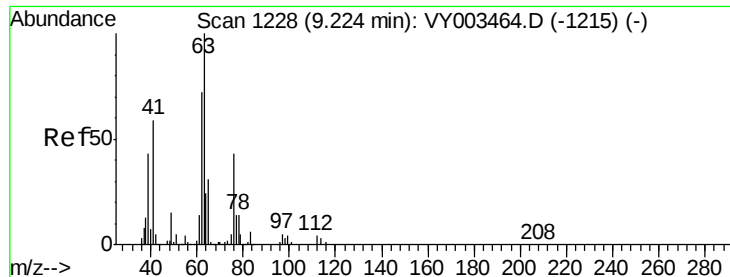


#44

Trichloroethene
 Concen: 49.723 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	186.6





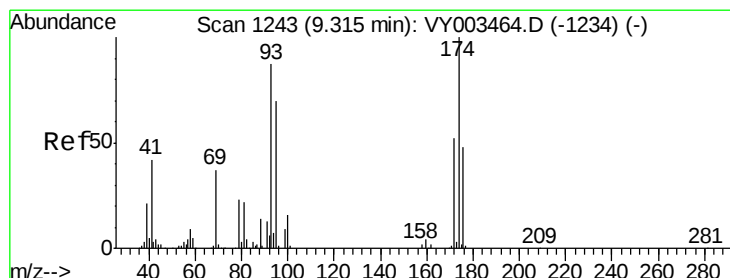
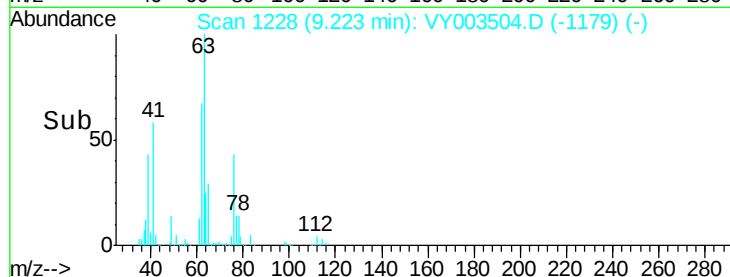
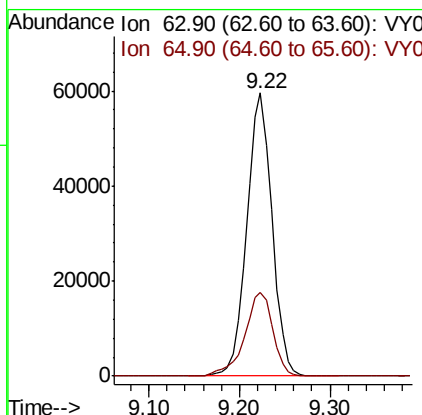
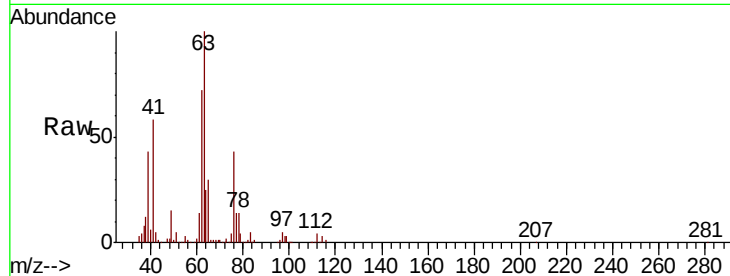
#45
 1,2-Dichloropropane
 Concen: 51.687 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.6	36.8

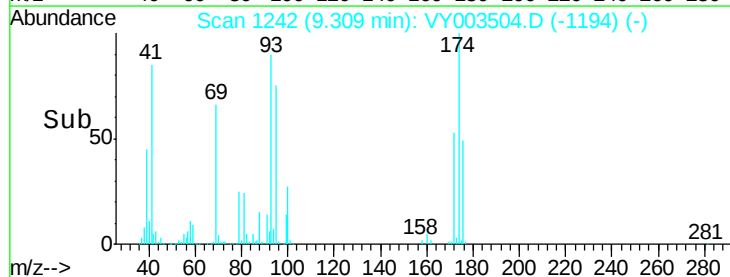
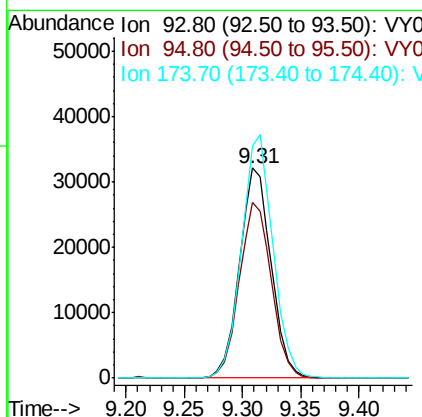
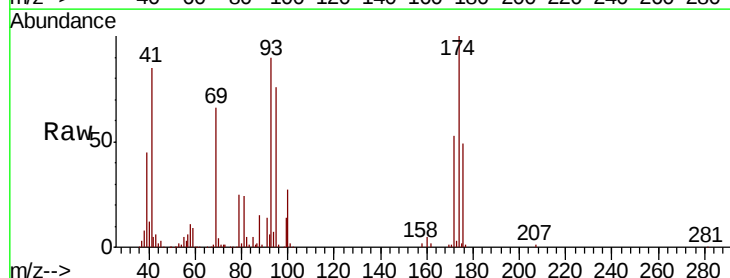
Manual Integrations
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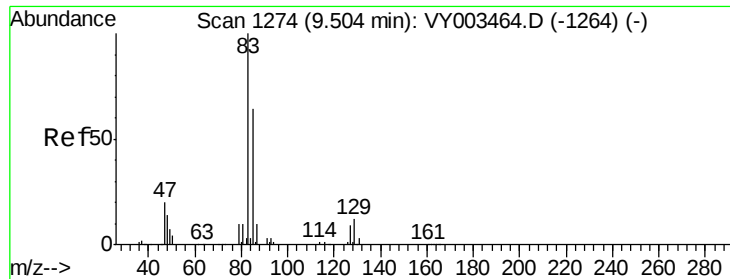
MMDadoda
 11/5/2020 7:01:49 PM



#46
 Dibromomethane
 Concen: 49.653 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	65.0	97.6
174	115.4	91.8	137.6





#47

Bromodichloromethane

Concen: 52.251 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

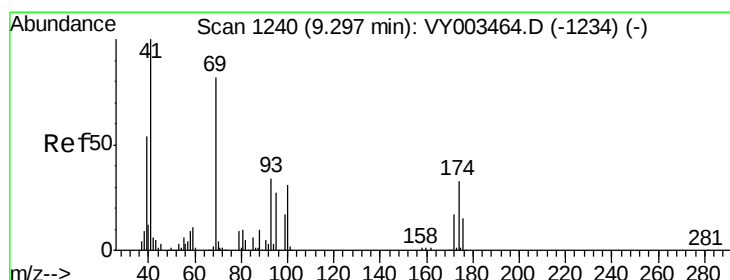
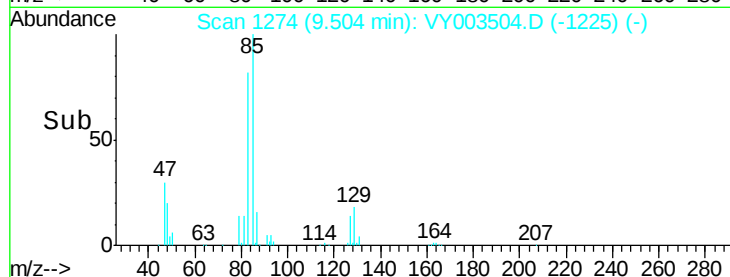
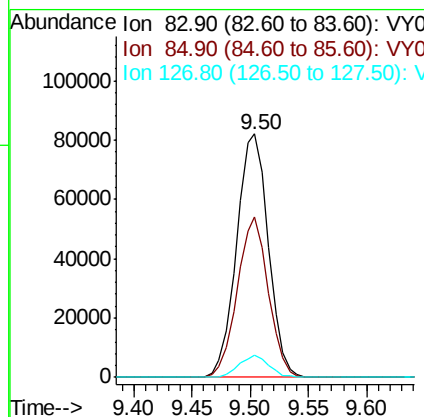
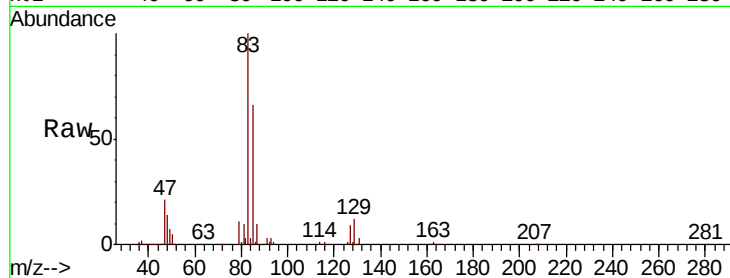
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	156171
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.0	76.6
127	8.9	7.1	10.7

Manual Integrations
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MMDadoda
11/5/2020 7:01:49 PM



#48

Methyl methacrylate

Concen: 48.270 ug/l

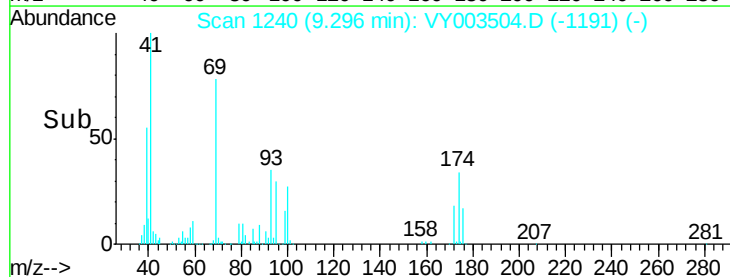
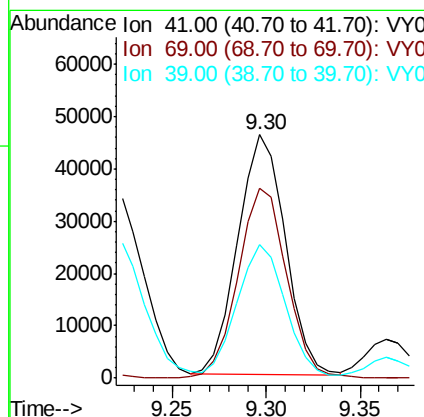
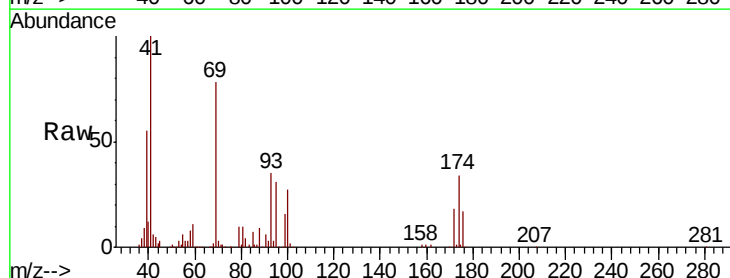
RT: 9.30 min Scan# 1240

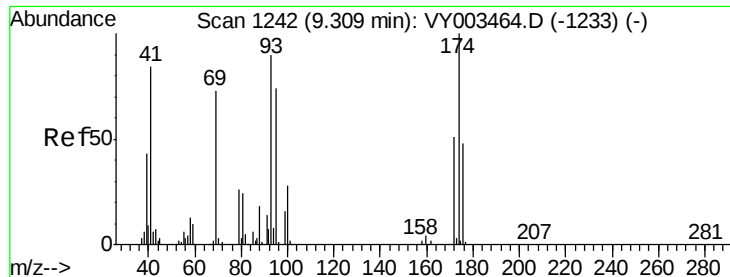
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion:	41	Resp:	80143
Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.9	98.9
39	56.7	43.2	64.8





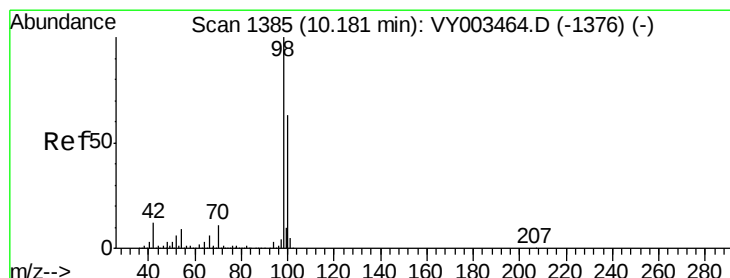
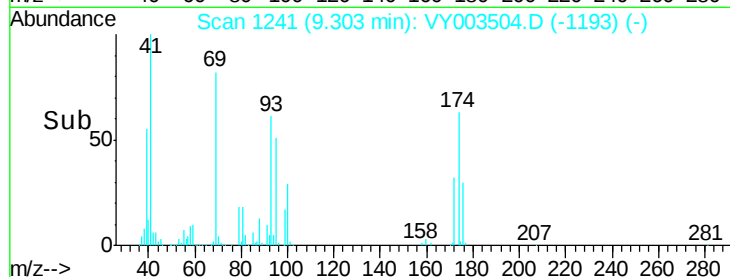
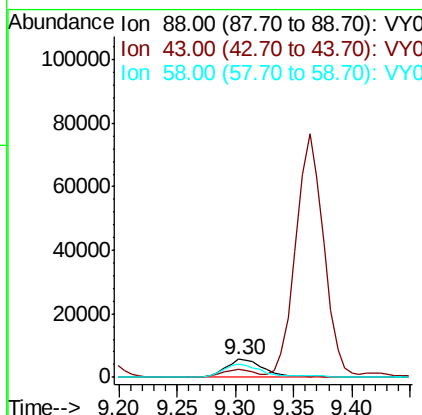
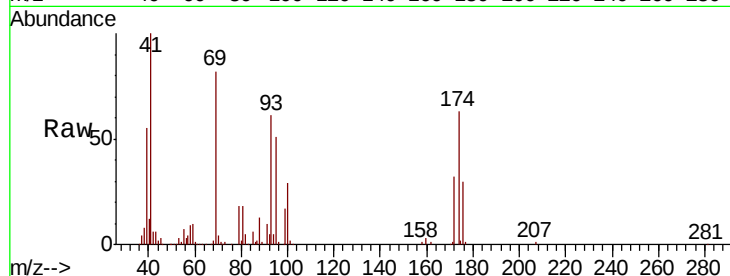
#49
1,4-Dioxane
Concen: 880.105 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	27.6	41.4
58	77.9	54.2	81.2

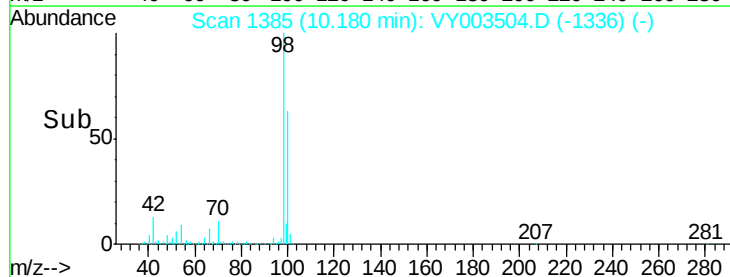
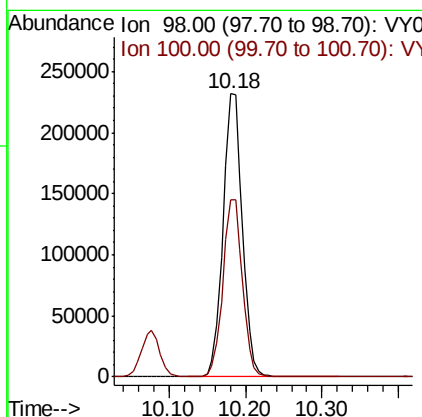
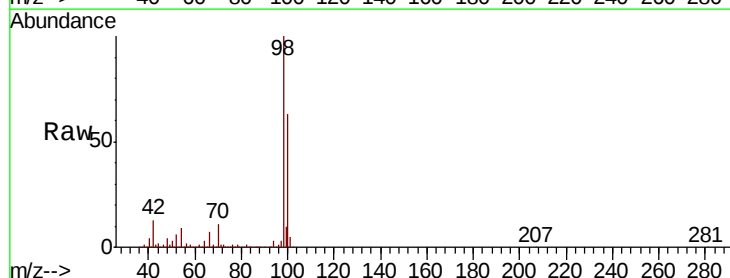
Manual Integrations
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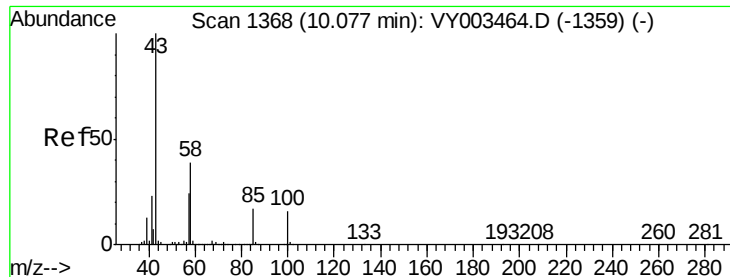
MMDadoda
11/5/2020 7:01:49 PM



#50
Toluene-d8
Concen: 47.674 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





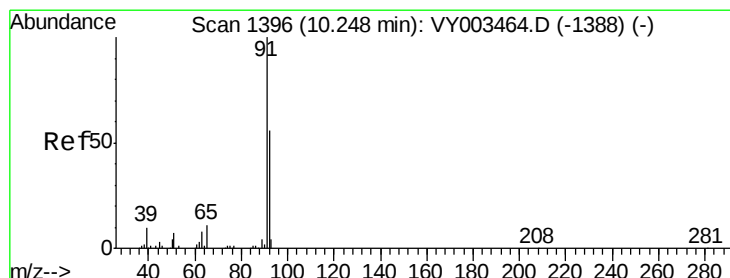
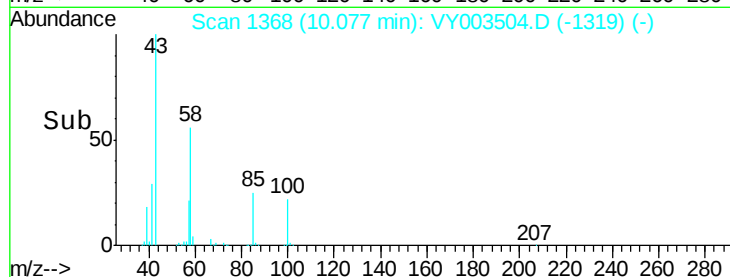
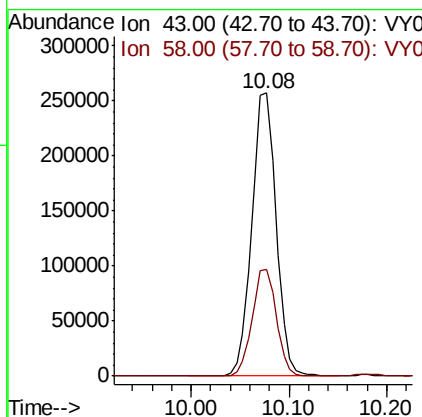
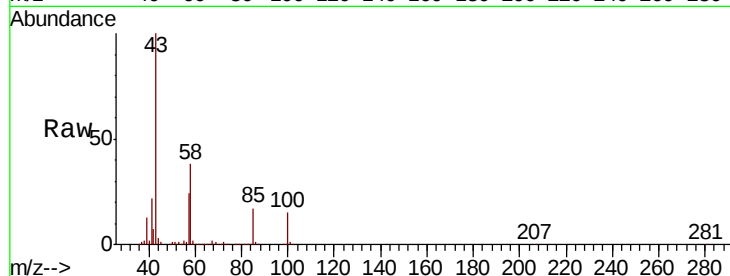
#51
4-Methyl-2-Pentanone
Concen: 238.152 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.0	46.4

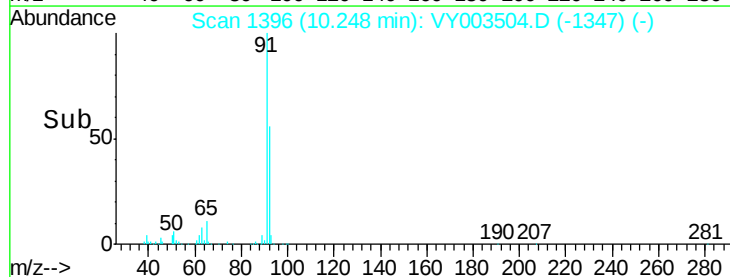
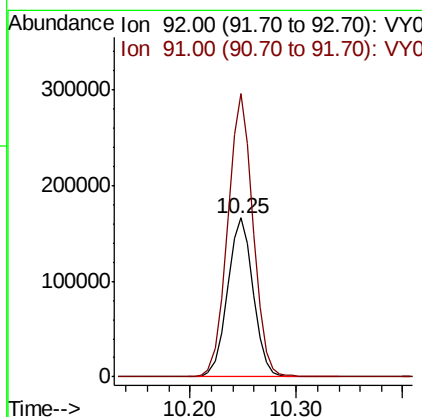
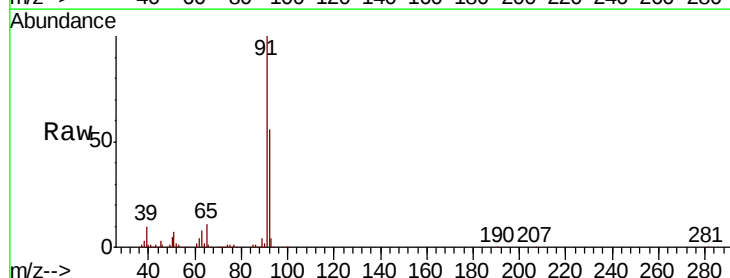
Manual Integrations
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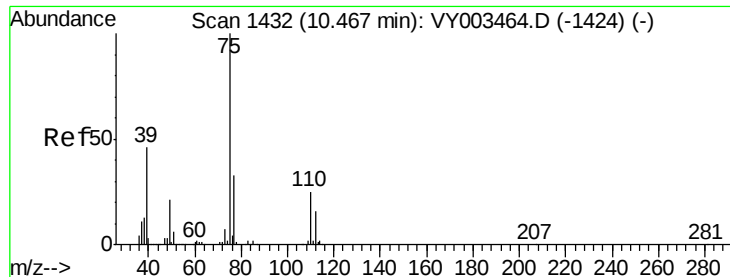
MMDadoda
11/5/2020 7:01:49 PM



#52
Toluene
Concen: 51.015 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	140.2	210.4





#53

t-1,3-Dichloropropene

Concen: 51.075 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 162457

Ion Ratio Lower Upper

75 100

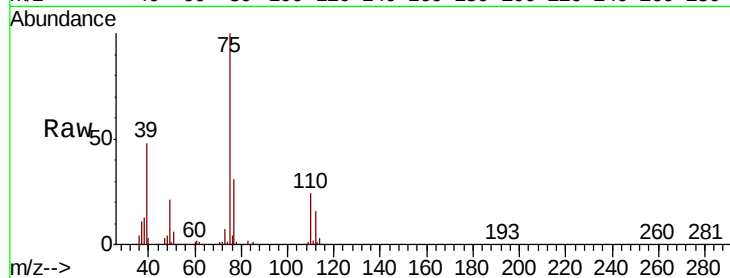
77 31.2 26.2 39.4

Manual Integrations

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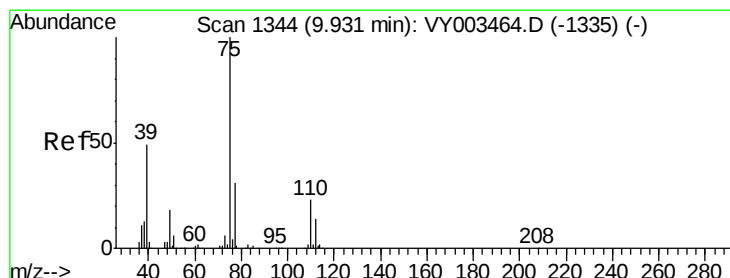
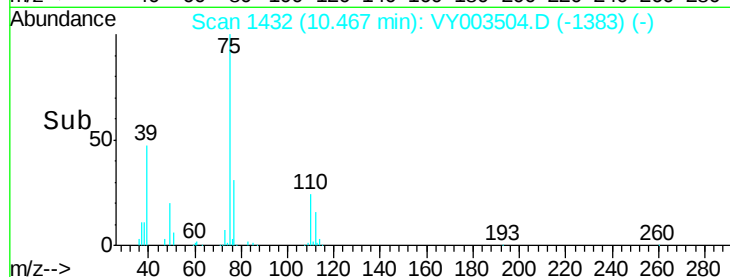
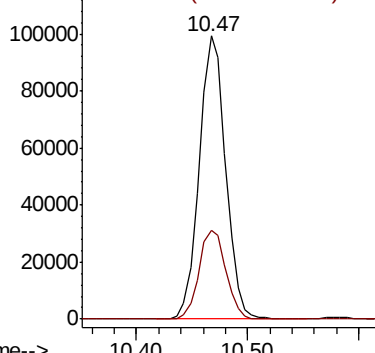
MMDadoda

11/5/2020 7:01:49 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 52.092 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

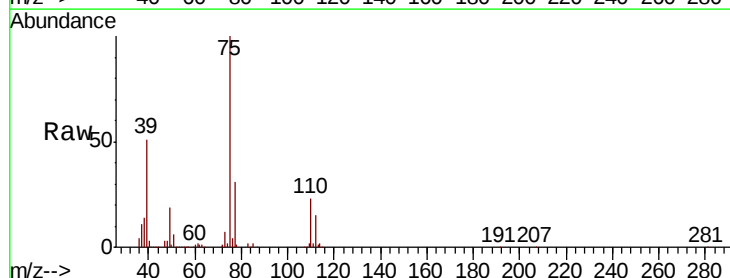
Tgt Ion: 75 Resp: 186450

Ion Ratio Lower Upper

75 100

77 31.4 24.5 36.7

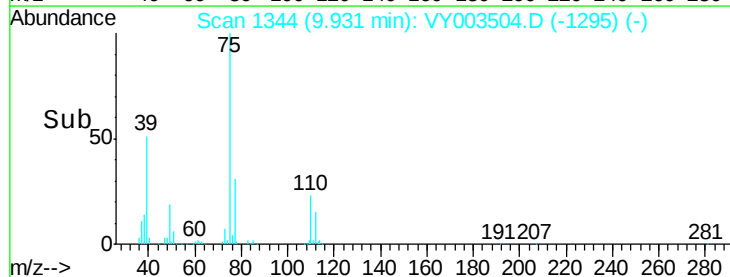
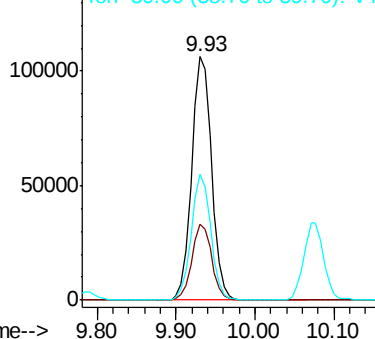
39 51.5 39.0 58.4

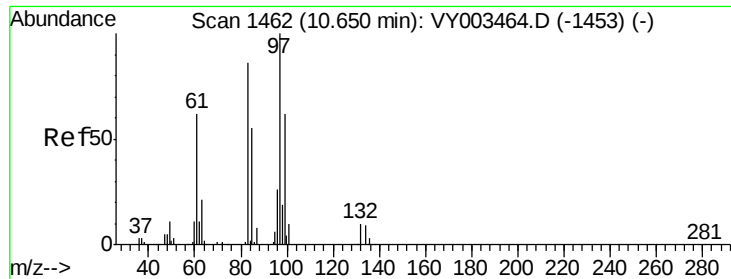


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





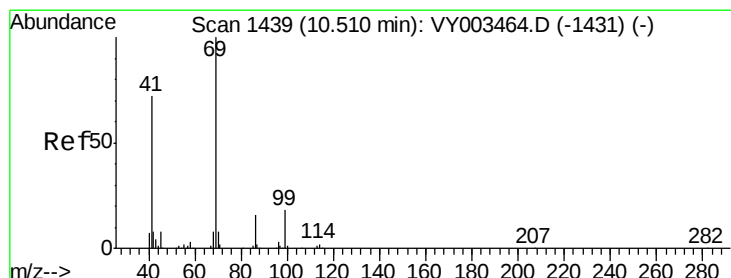
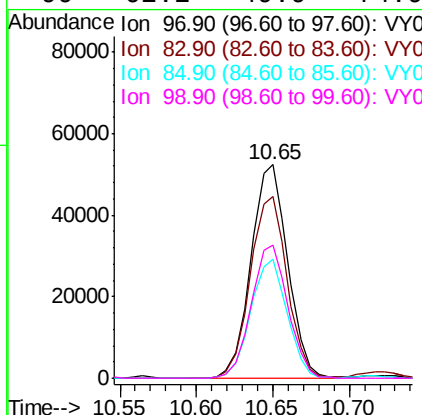
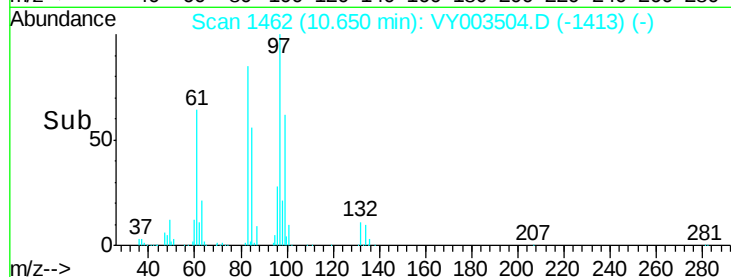
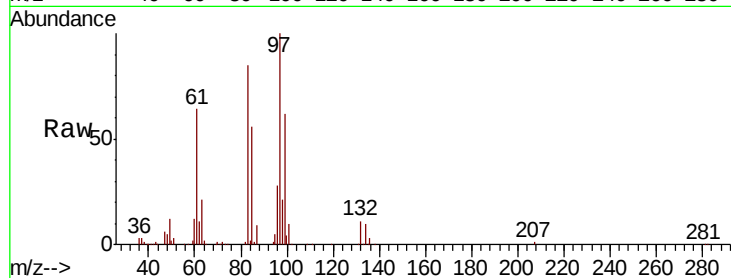
#55
 1,1,2-Trichloroethane
 Concen: 50.484 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	87512
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.6	102.8
85	56.0	43.8	65.6
99	62.2	49.9	74.9

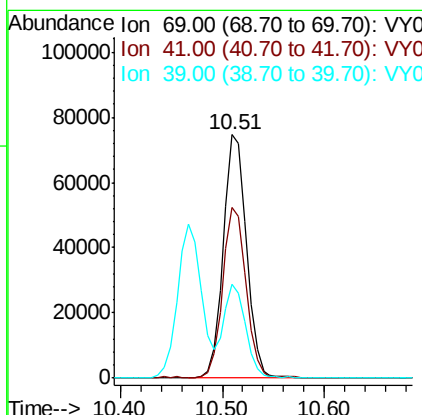
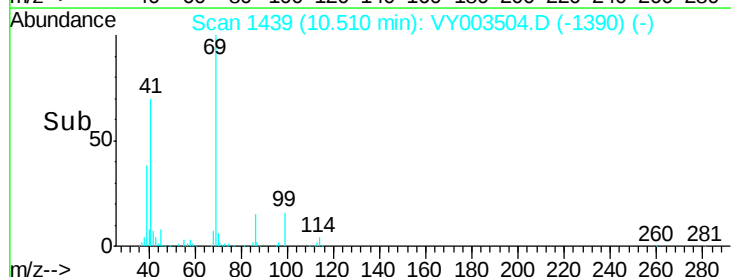
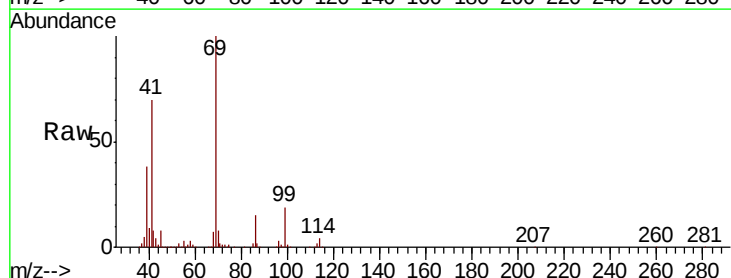
Manual Integrations
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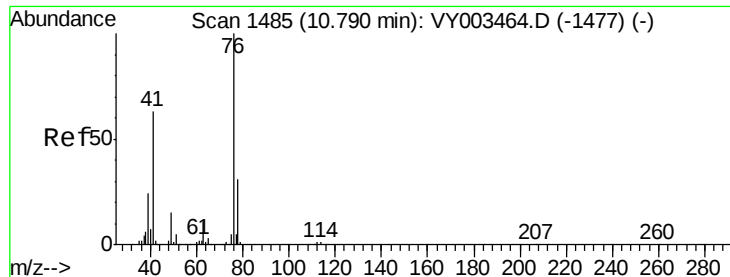
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#56
 Ethyl methacrylate
 Concen: 50.969 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion:	69	Resp:	118344
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.4	83.2
39	36.6	28.7	43.1





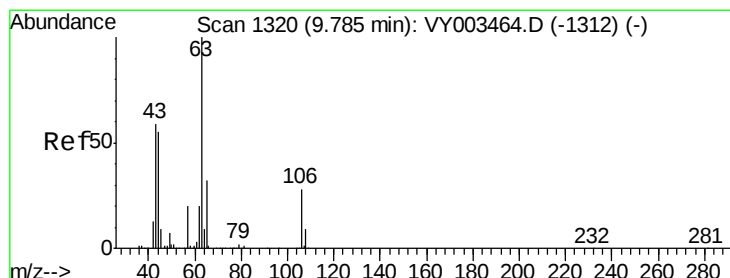
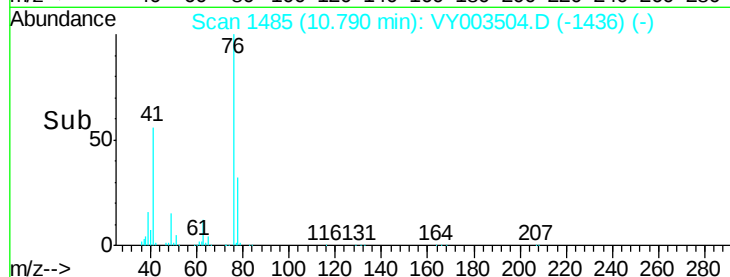
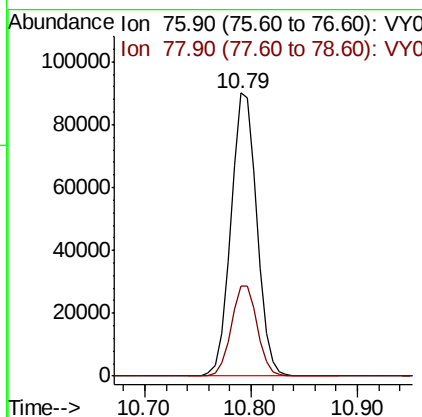
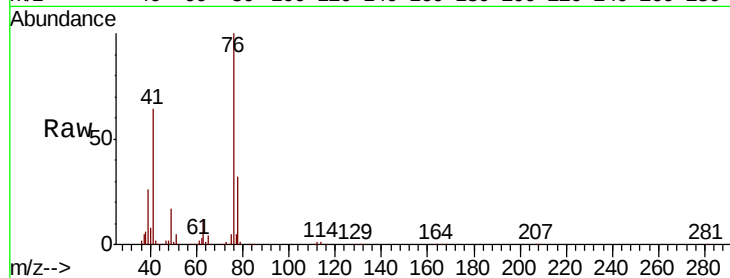
#57
 1,3-Dichloropropane
 Concen: 51.054 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

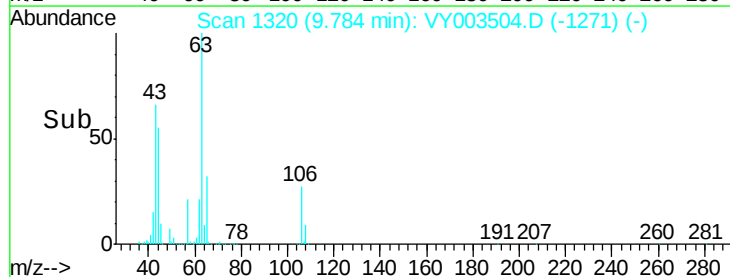
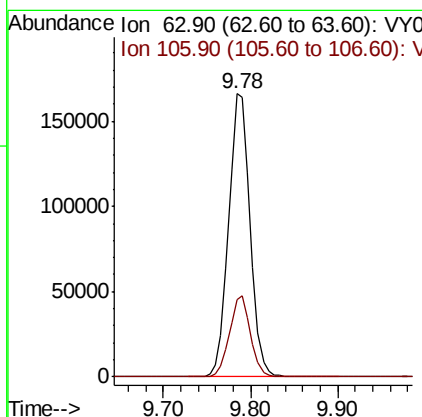
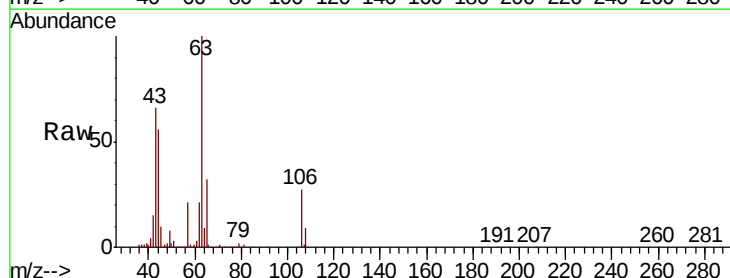
Manual Integrations
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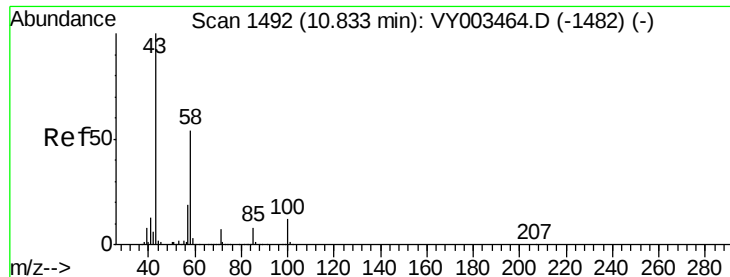
MMDadoda
 11/5/2020 7:01:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.955 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.3	33.5





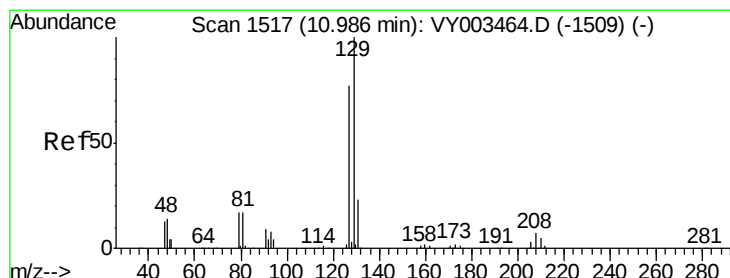
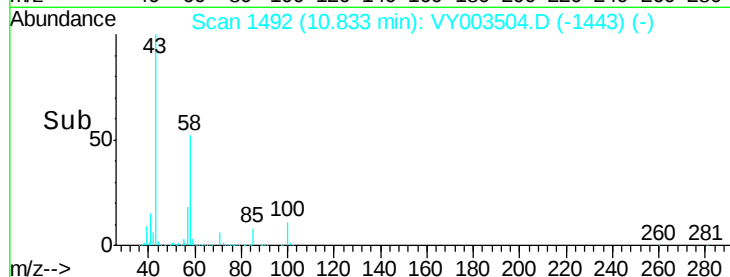
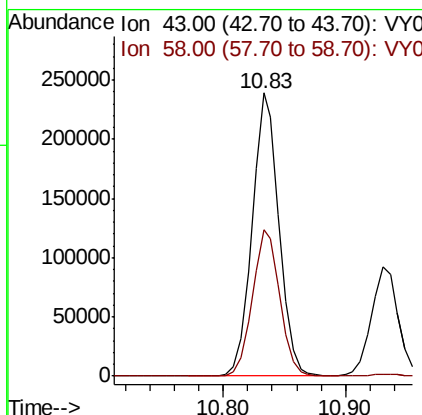
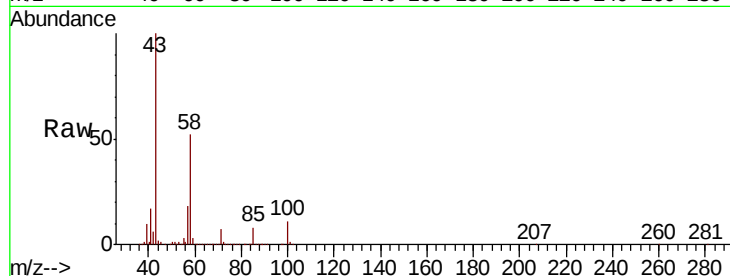
#59
2-Hexanone
Concen: 262.212 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.8	80.3

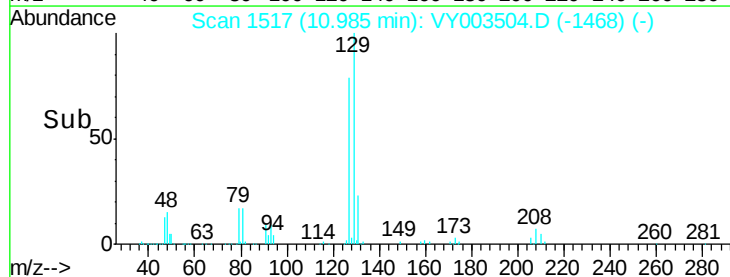
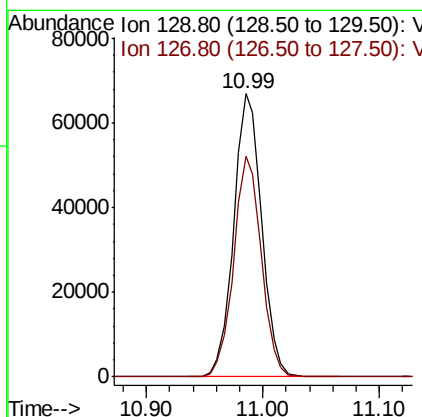
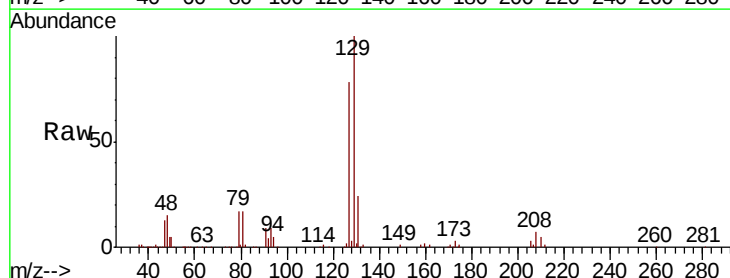
Manual Integrations
APPROVED

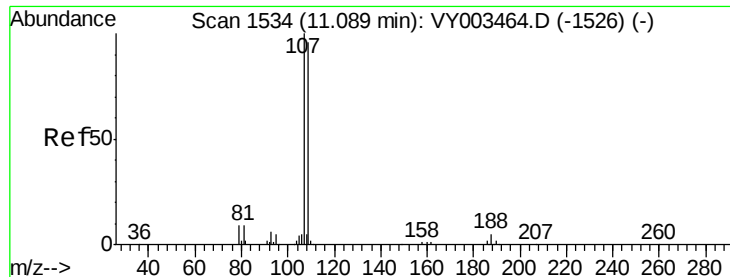
MMDadoda
11/5/2020 7:01:49 PM



#60
Dibromochloromethane
Concen: 52.538 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.8	116.3





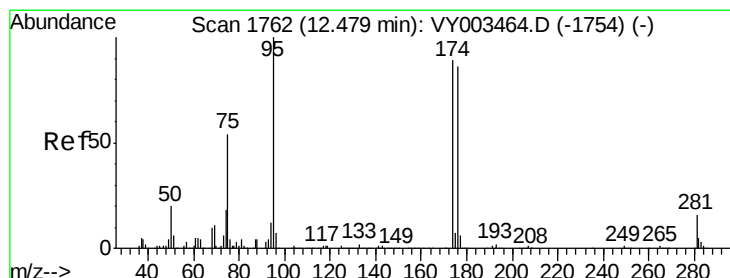
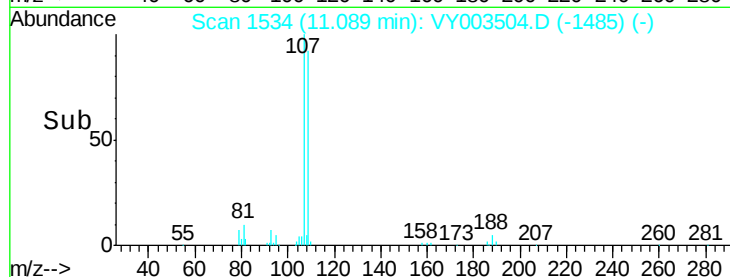
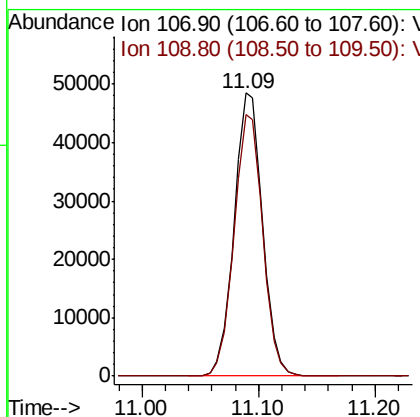
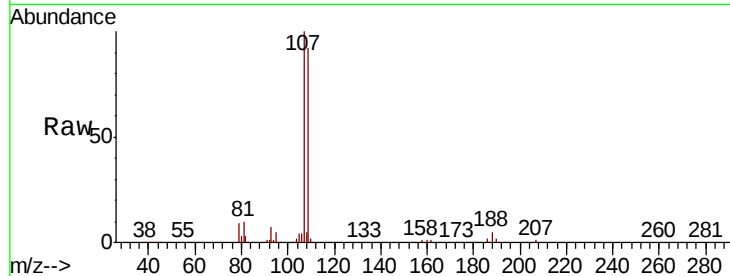
#61
 1,2-Dibromoethane
 Concen: 49.159 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.5	114.7

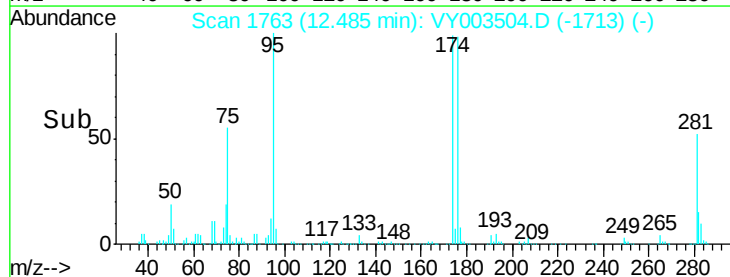
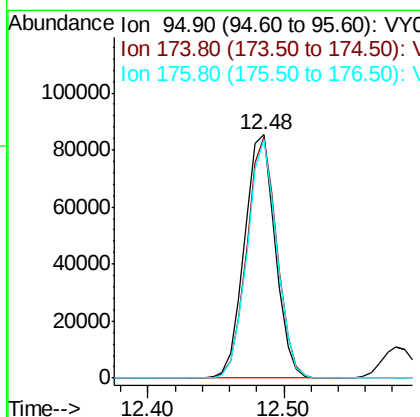
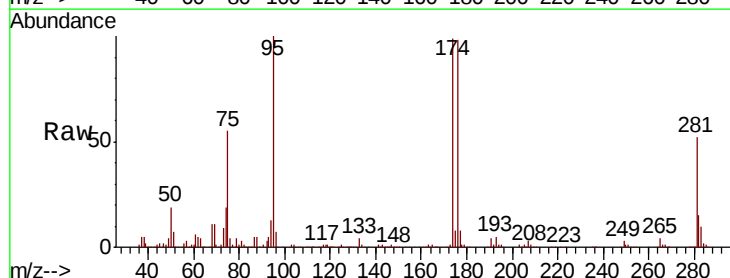
Manual Integrations
 APPROVED

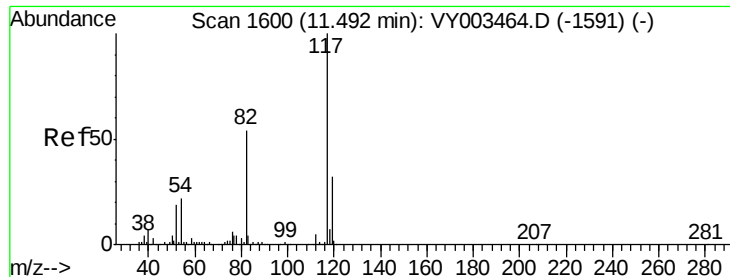
MMDadoda
 11/5/2020 7:01:49 PM



#62
 4-Bromofluorobenzene
 Concen: 48.249 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	193.0
176	94.0	0.0	187.4





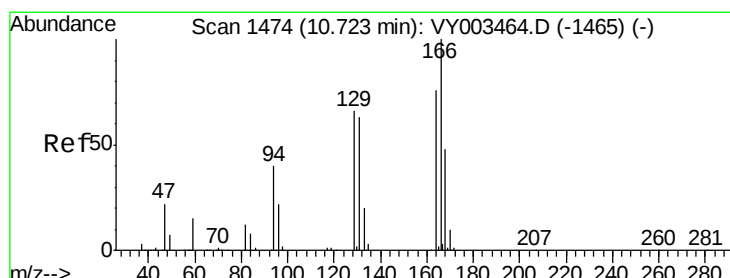
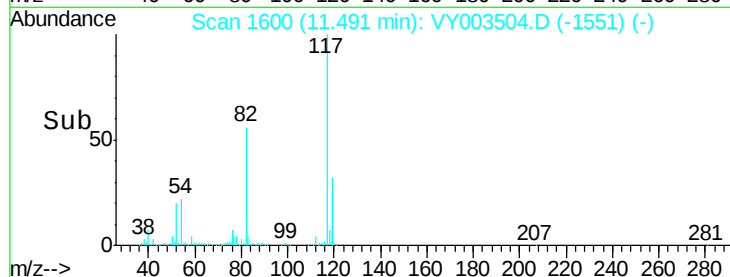
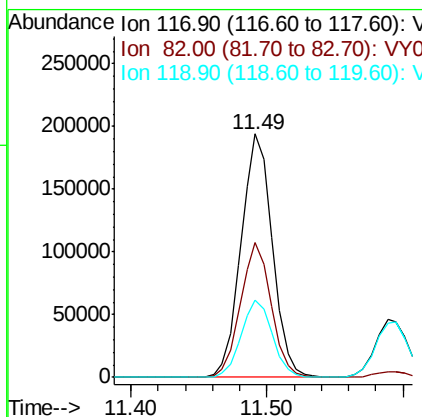
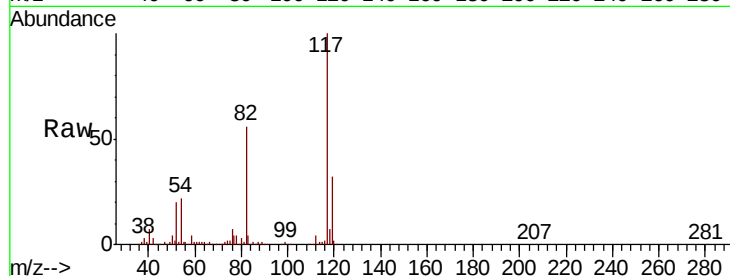
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.4	65.2
119	31.8	25.8	38.6

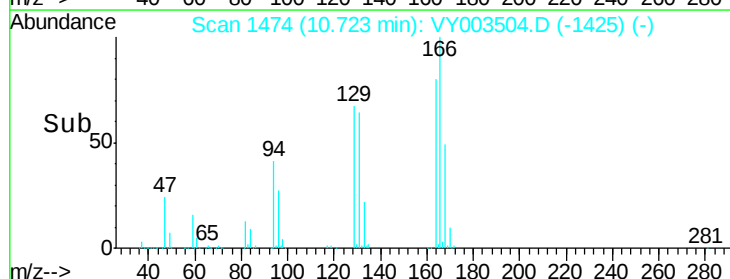
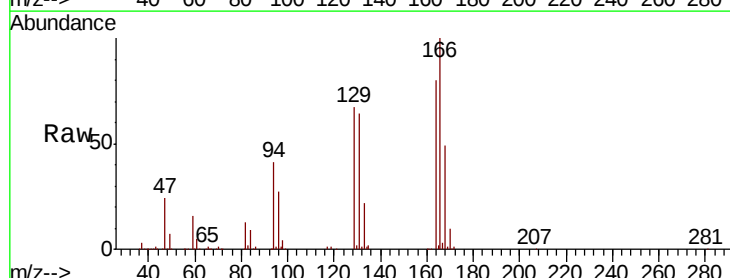
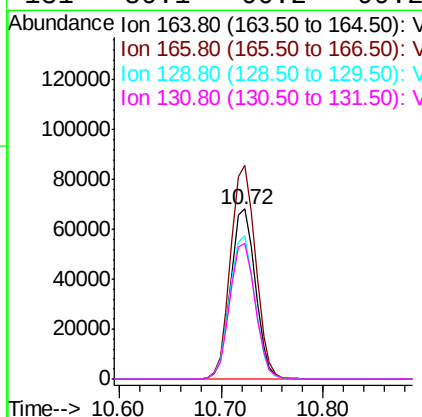
Manual Integrations
APPROVED

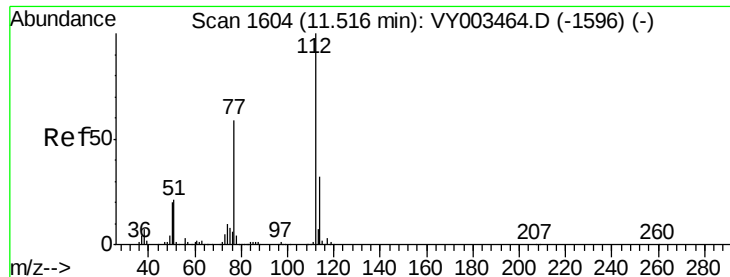
MMDadoda
11/5/2020 7:01:49 PM



#64
Tetrachloroethene
Concen: 49.043 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.9	157.3
129	84.6	68.9	103.3
131	80.1	66.2	99.2





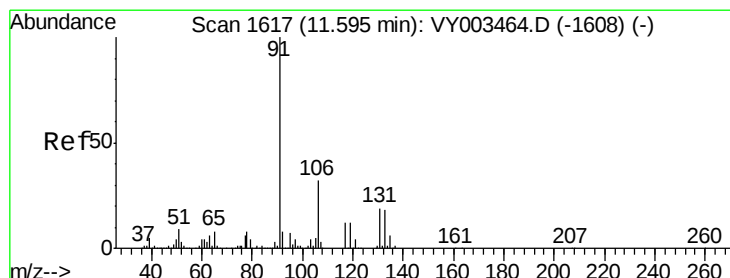
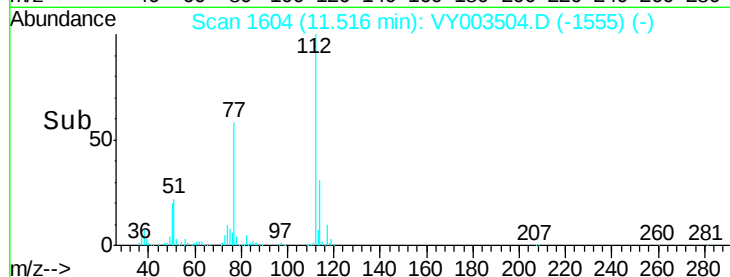
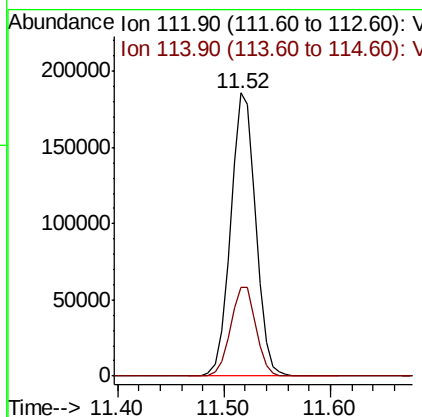
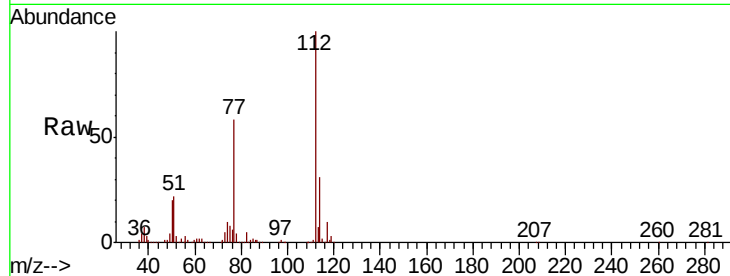
#65
Chlorobenzene
Concen: 50.497 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.5	38.3

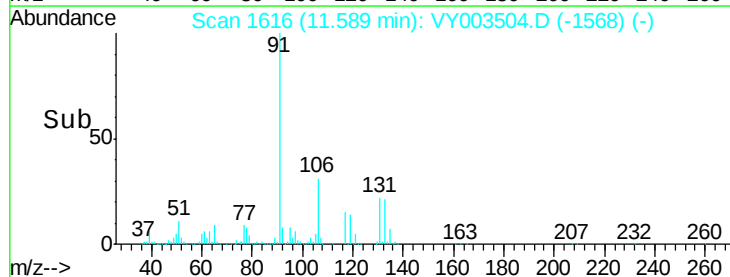
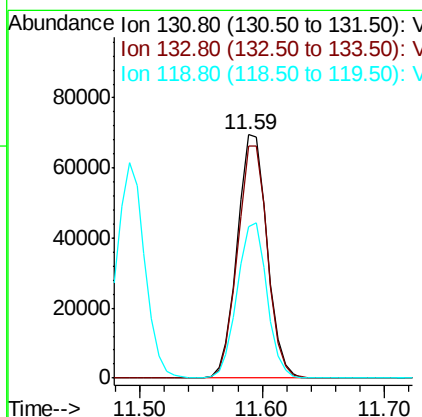
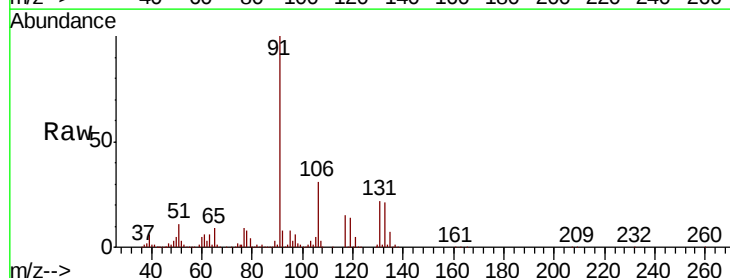
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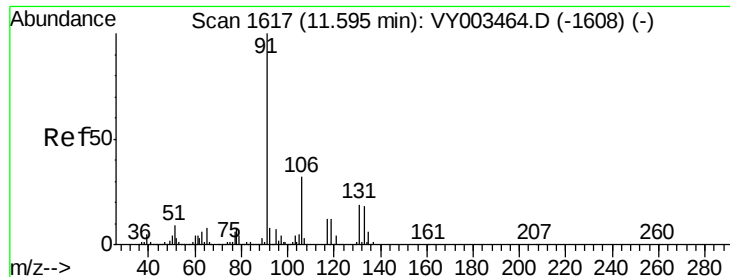
MMDadoda
11/5/2020 7:01:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.441 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.2
119	63.5	31.6	95.0





#67

Ethyl Benzene

Concen: 50.736 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 557715

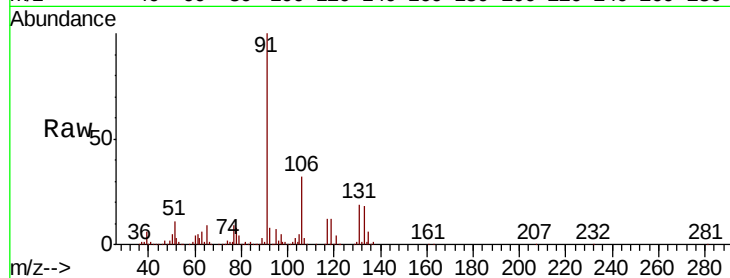
Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.0

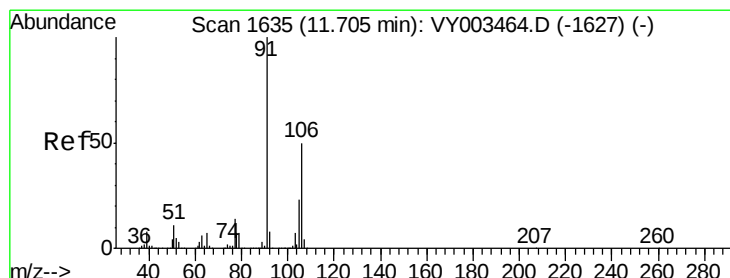
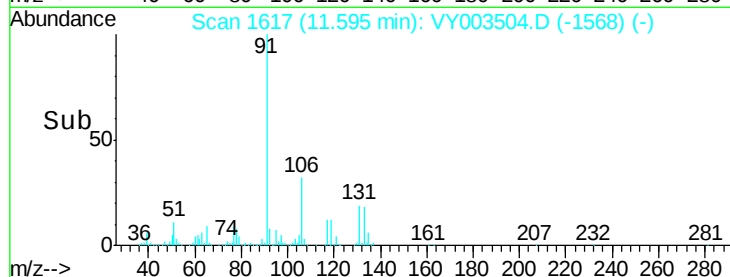
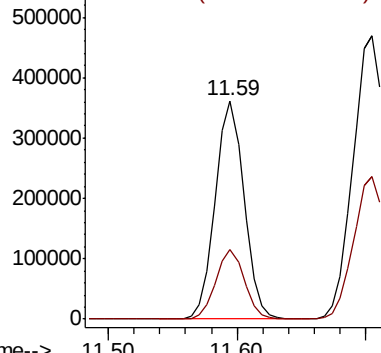
Manual Integrations
APPROVED

MMDadoda
11/5/2020 7:01:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.105 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY003504.D

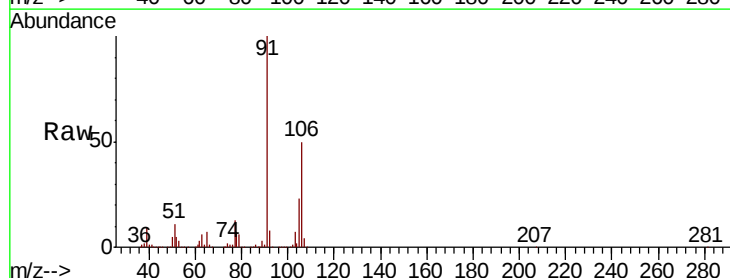
Acq: 04 Nov 2020 10:03

Tgt Ion: 106 Resp: 425335

Ion Ratio Lower Upper

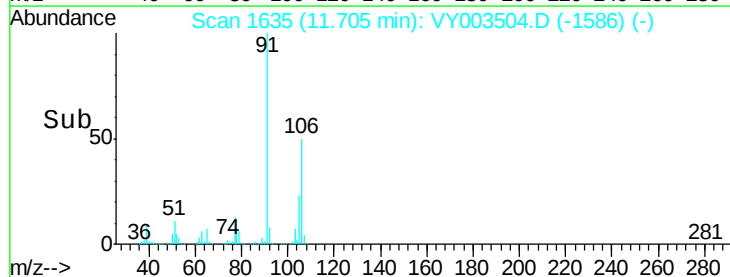
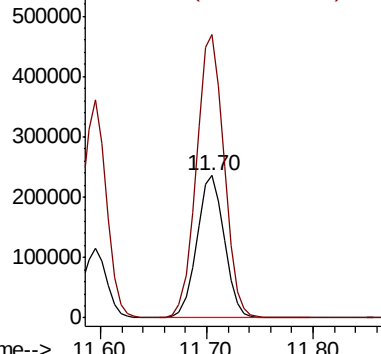
106 100

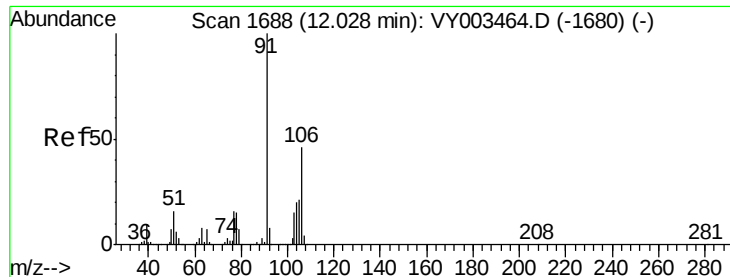
91 200.1 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





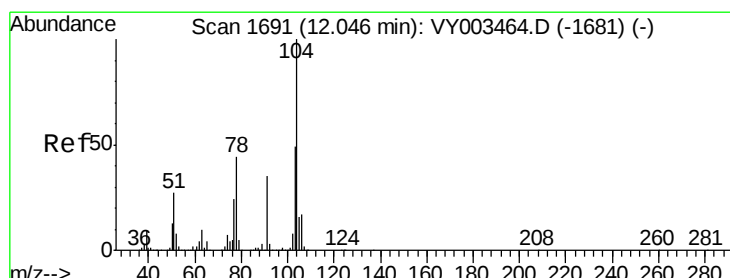
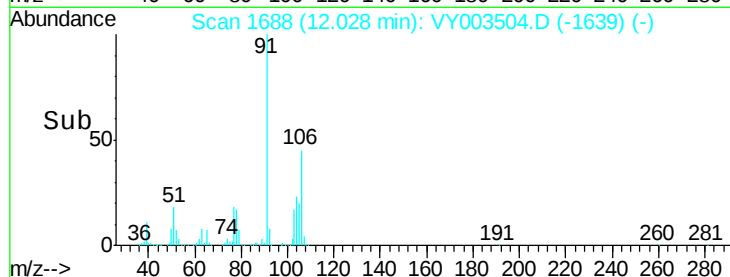
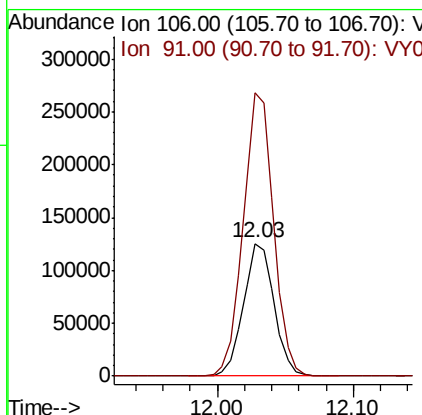
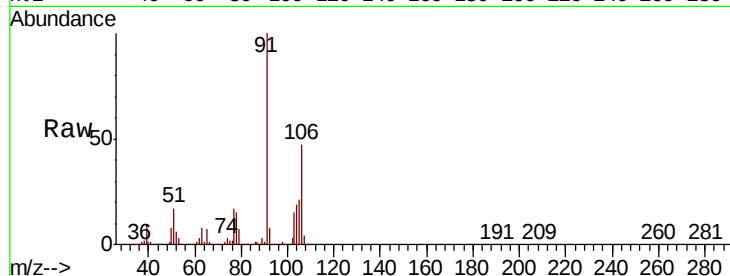
#69
o-Xylene
Concen: 51.200 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		196194		
91	212.9	105.5	316.5		

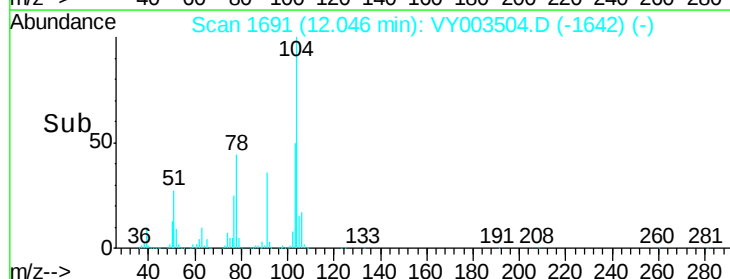
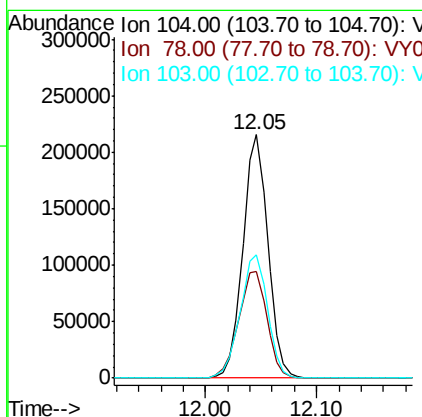
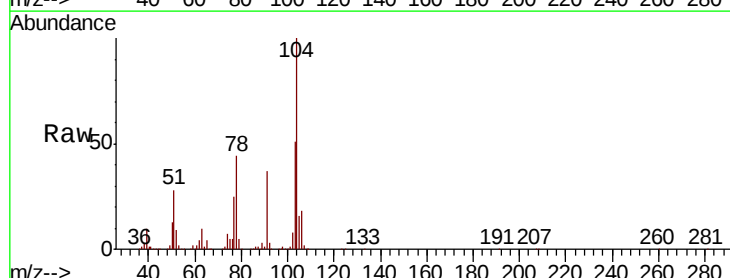
Manual Integrations
APPROVED

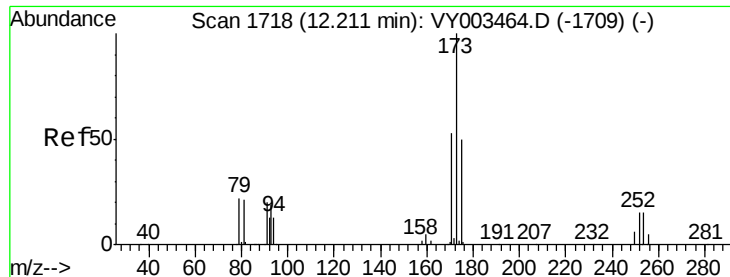
MMDadoda
11/5/2020 7:01:49 PM



#70
Styrene
Concen: 51.733 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		336591		
78	49.5	39.5	59.3		
103	55.6	44.2	66.2		





#71

Bromoform

Concen: 48.398 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

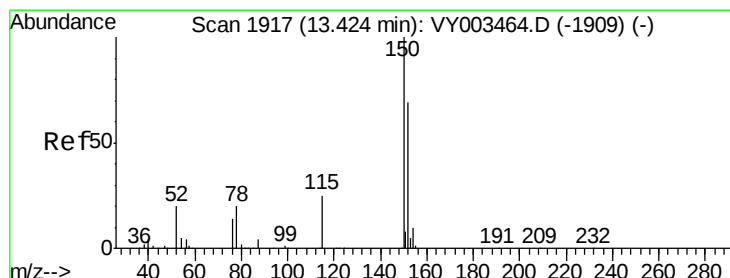
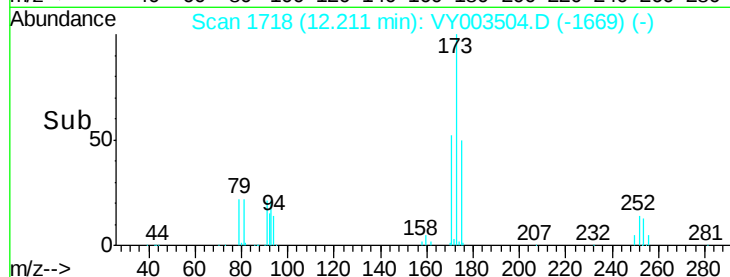
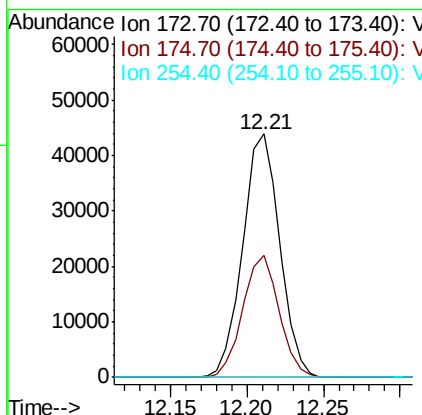
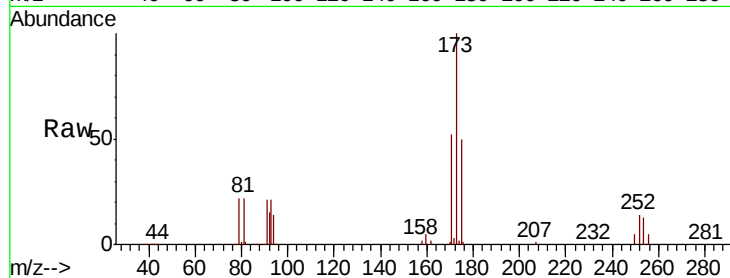
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
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11/5/2020 7:01:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

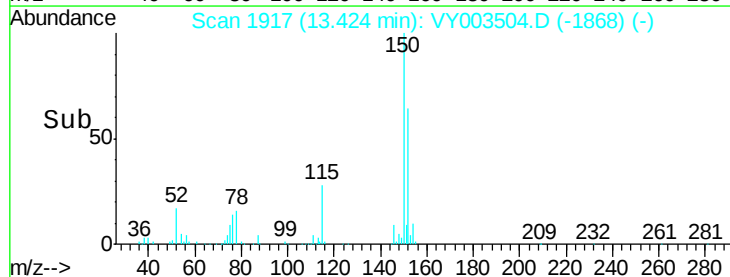
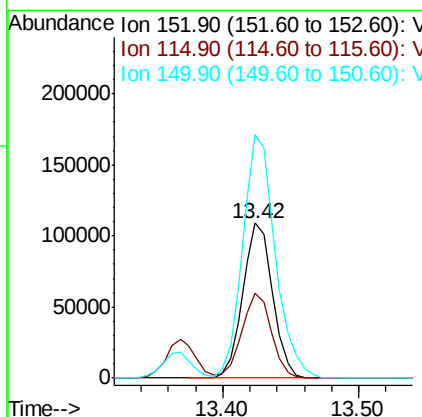
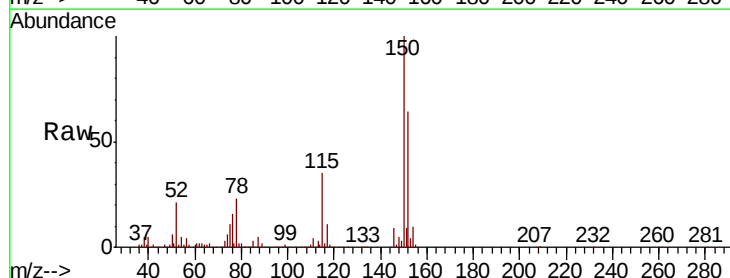
RT: 13.42 min Scan# 1917

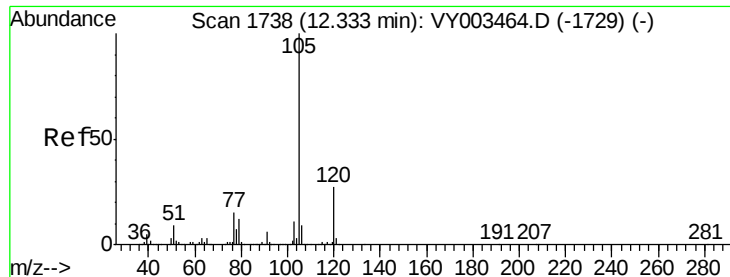
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.4
150	172.2	0.0	345.8





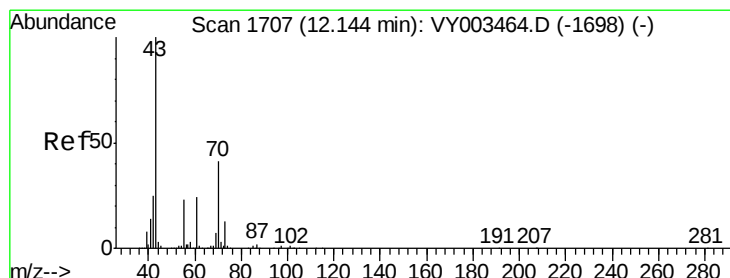
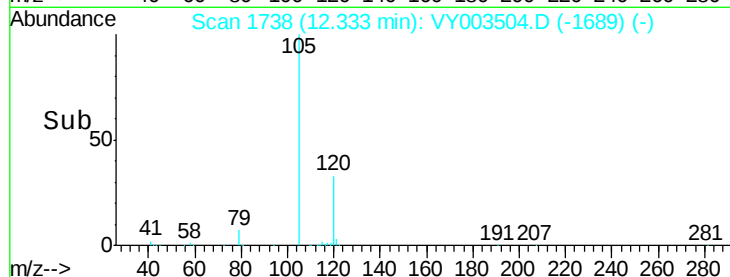
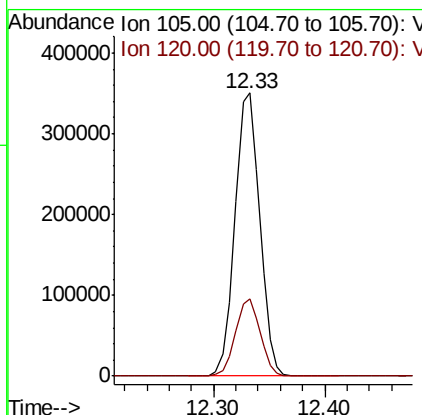
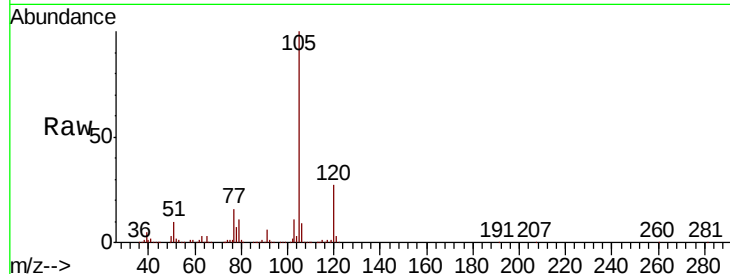
#73
Isopropylbenzene
Concen: 49.707 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5

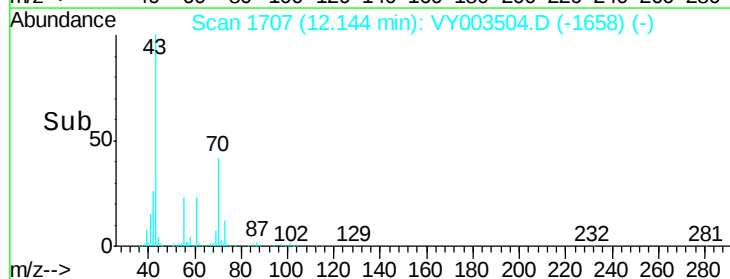
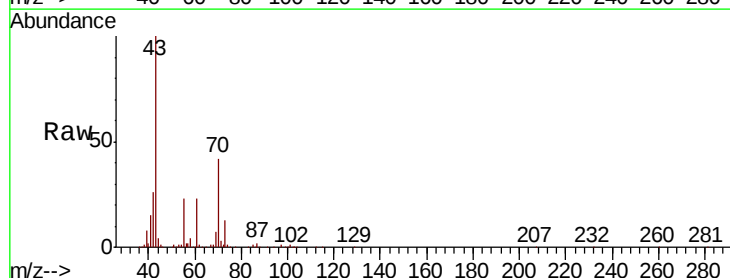
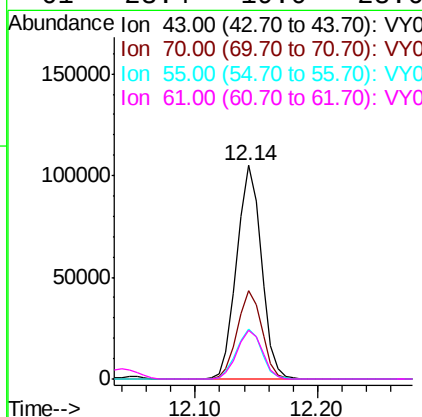
Manual Integrations
APPROVED

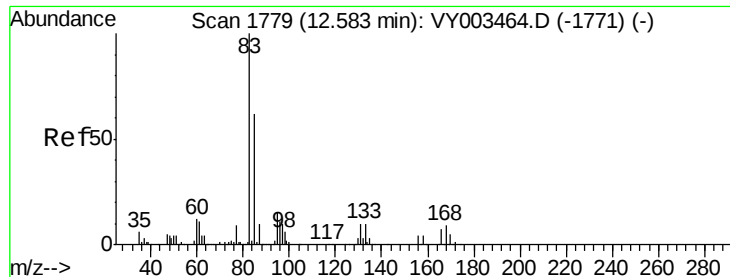
MMDadoda
11/5/2020 7:01:49 PM



#74
N-ethyl acetate
Concen: 47.670 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.2	33.1	49.7
55	23.8	19.2	28.8
61	23.4	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.570 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

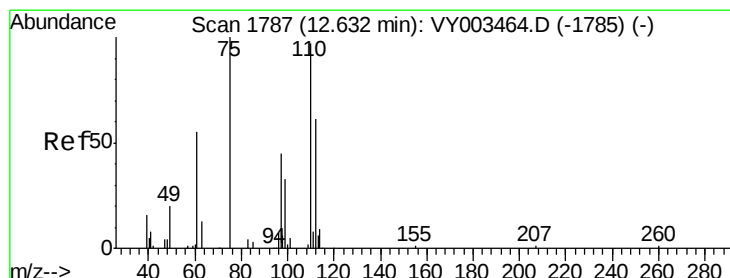
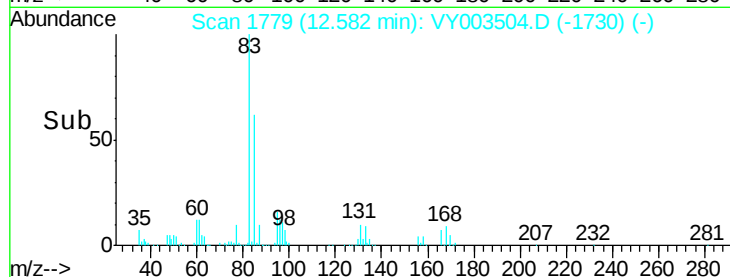
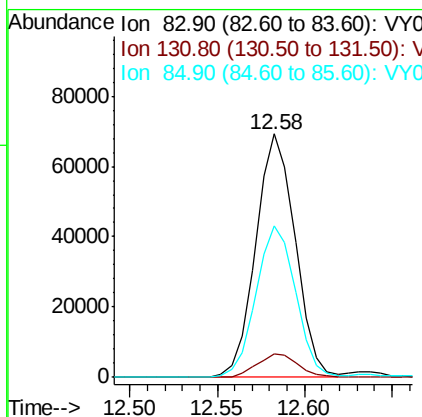
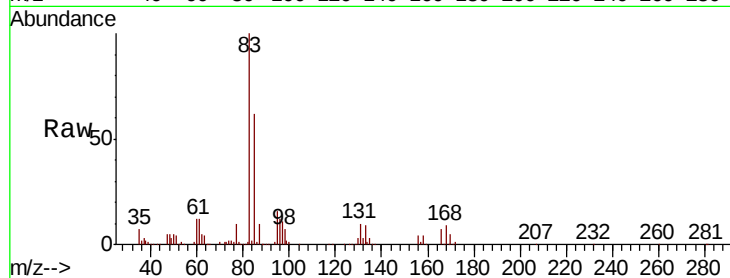
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108145
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	62.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 45.027 ug/l m

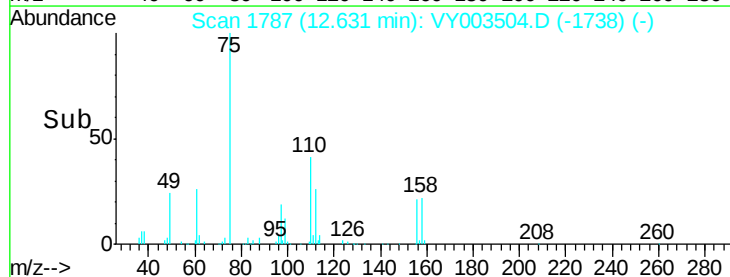
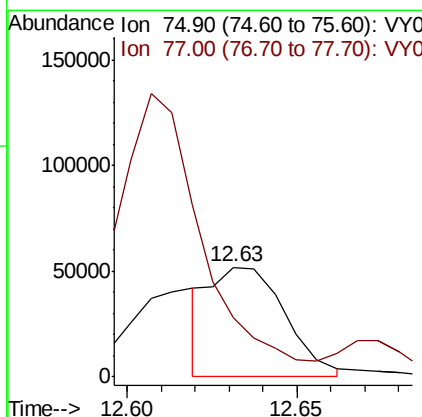
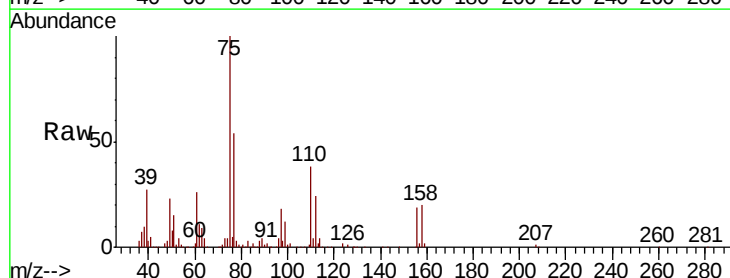
RT: 12.63 min Scan# 1787

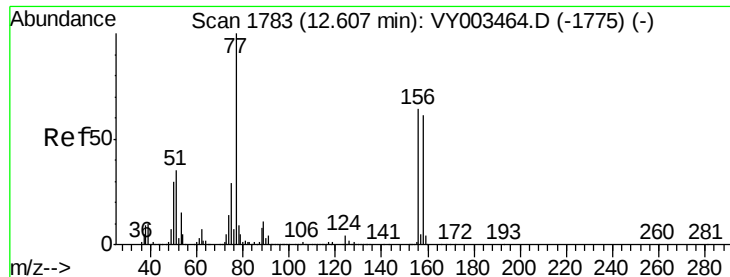
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion:	75	Resp:	79291
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.631 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 137093

Ion Ratio Lower Upper

156 100

77 174.8 87.0 260.9

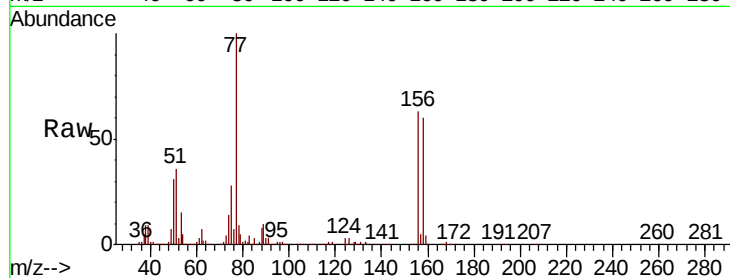
158 96.8 48.7 146.1

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

12.61

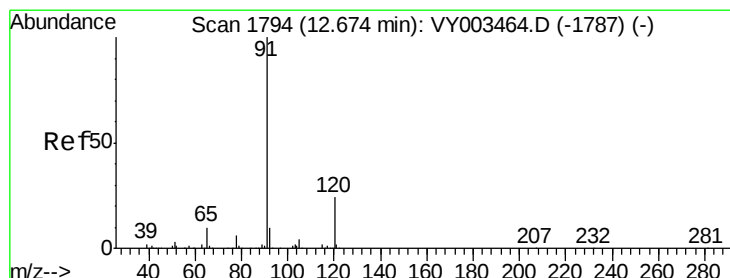
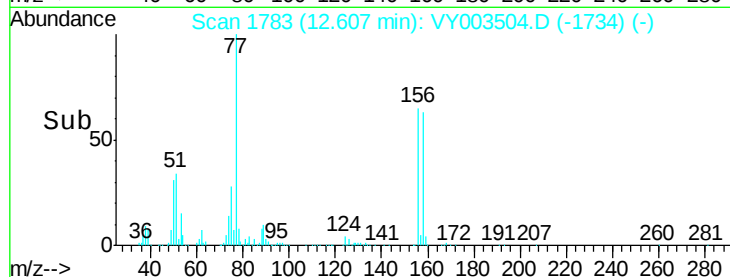
100000

50000

0

12.55 12.60 12.65 12.70

Time-->



#78

n-propylbenzene

Concen: 50.602 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY003504.D

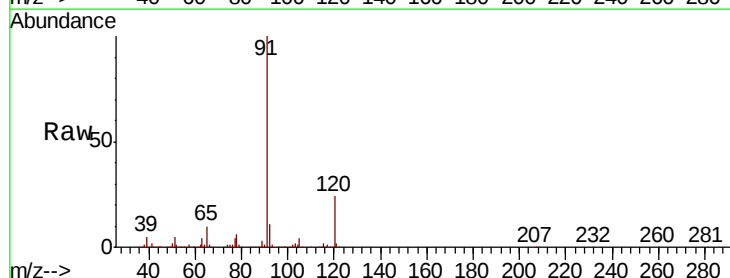
Acq: 04 Nov 2020 10:03

Tgt Ion: 91 Resp: 647993

Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

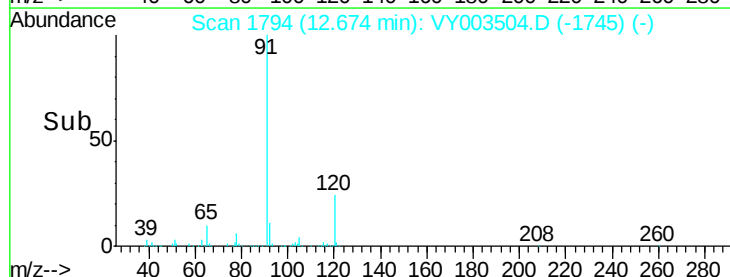
200000

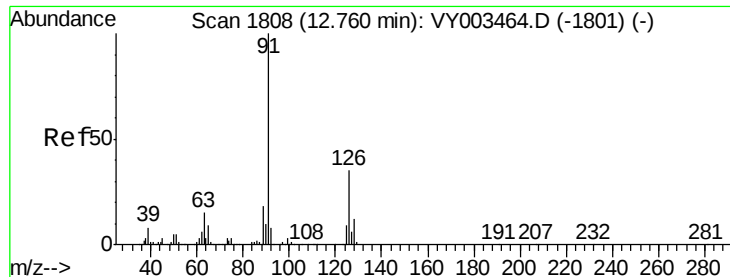
100000

0

12.60 12.65 12.70

Time-->





#79

2-Chlorotoluene

Concen: 50.045 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 358052

Ion Ratio Lower Upper

91 100

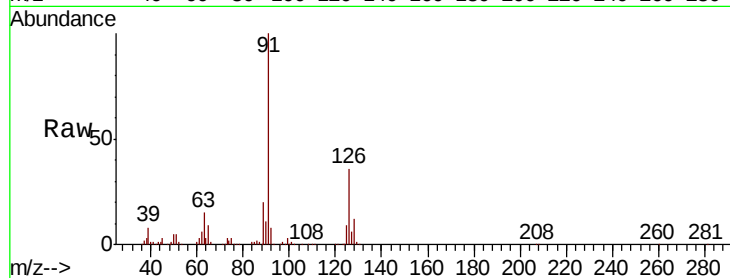
126 35.5 17.8 53.3

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Abundance Ion 91.00 (90.70 to 91.70): VY003464.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY003464.D (-1801) (-)

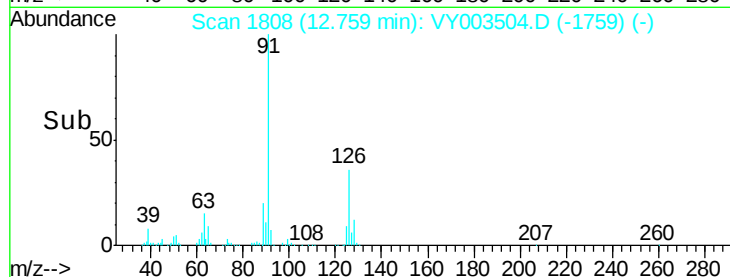
300000

200000

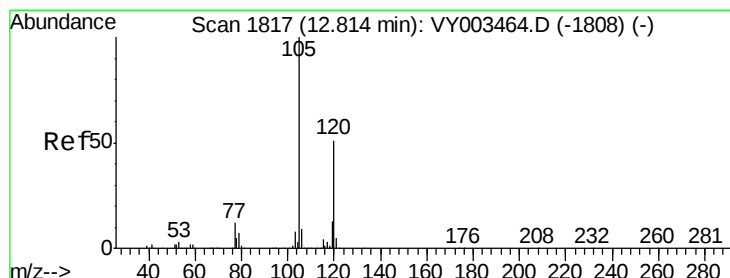
100000

0

12.70 12.75 12.80



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.108 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY003504.D

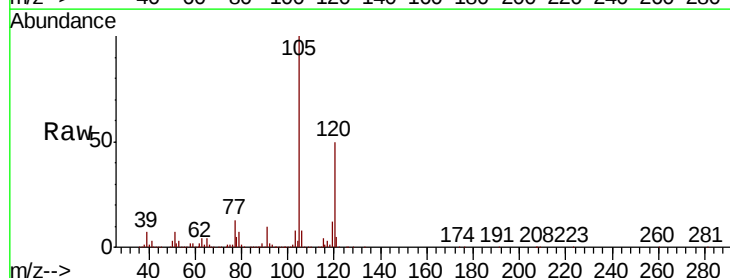
Acq: 04 Nov 2020 10:03

Tgt Ion: 105 Resp: 460368

Ion Ratio Lower Upper

105 100

120 49.9 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY003464.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY003464.D (-1808) (-)

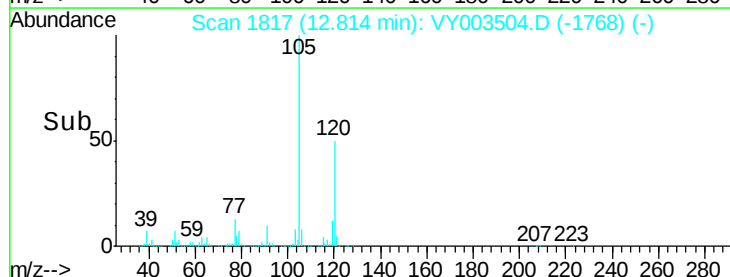
300000

200000

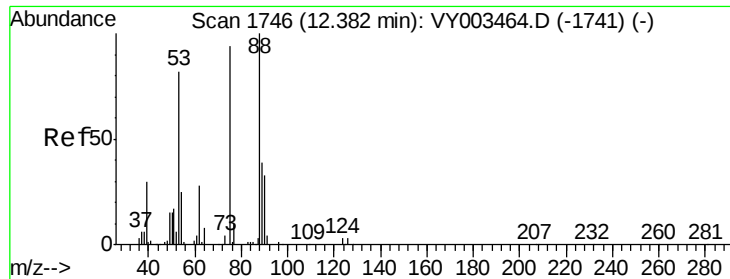
100000

0

12.70 12.80 12.90



Time-->



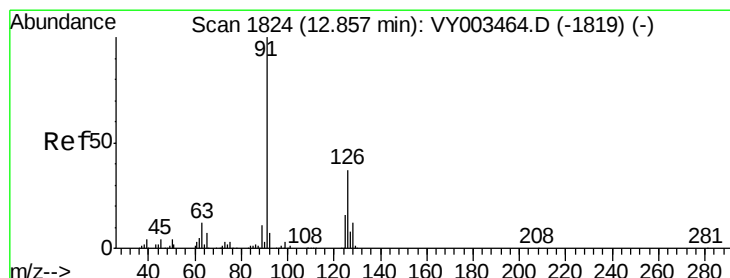
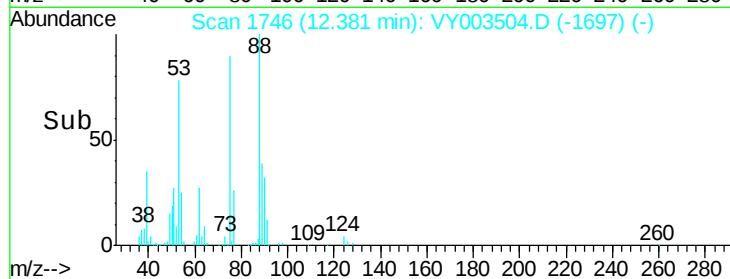
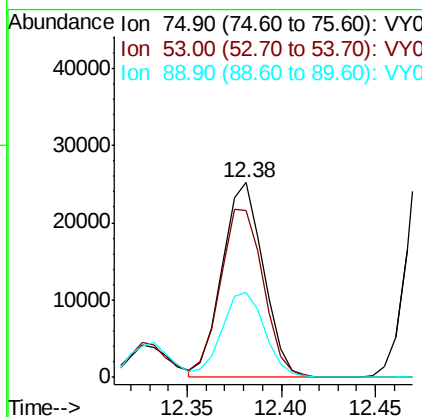
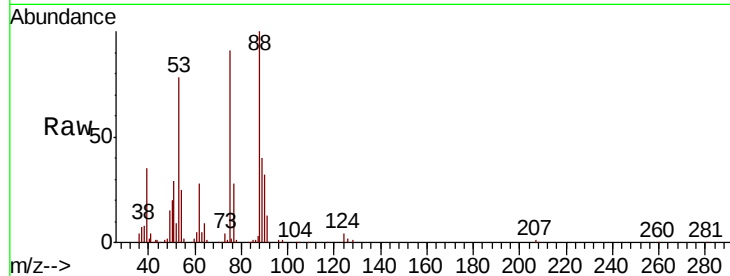
#81
trans-1,4-Dichloro-2-butene
Concen: 45.183 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	74.7	112.1
89	45.5	35.8	53.8

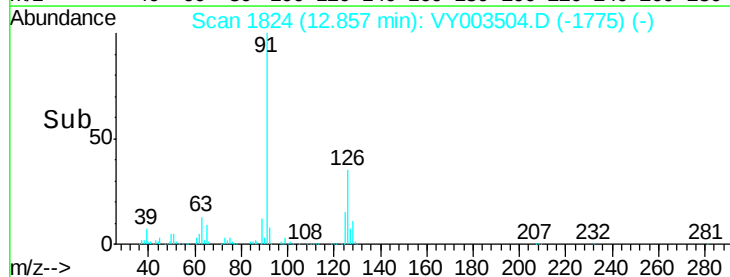
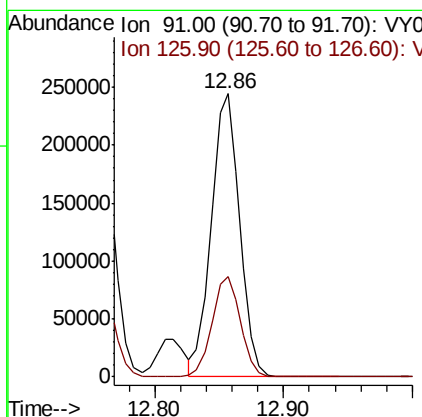
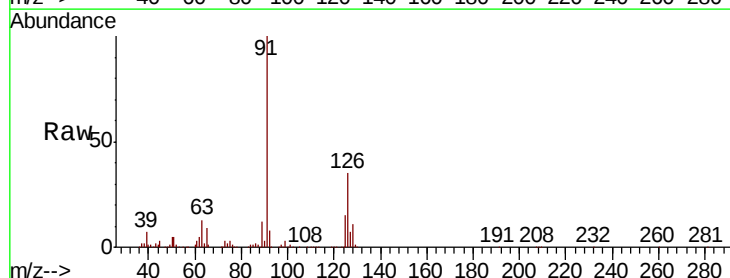
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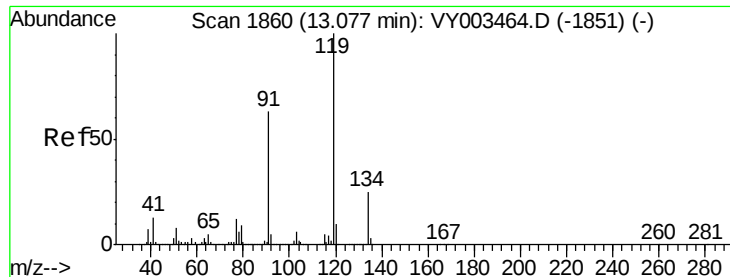
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#82
4-Chlorotoluene
Concen: 50.356 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





#83

tert-Butylbenzene

Concen: 50.527 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

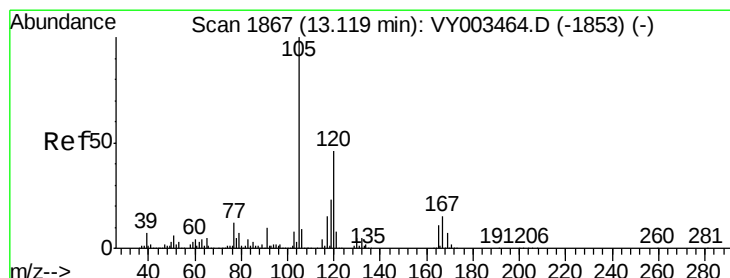
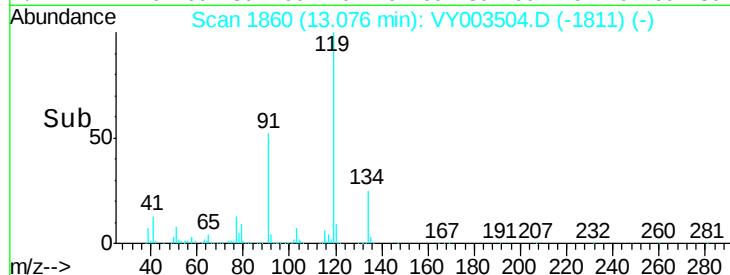
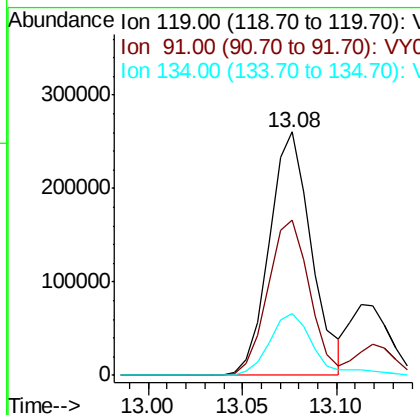
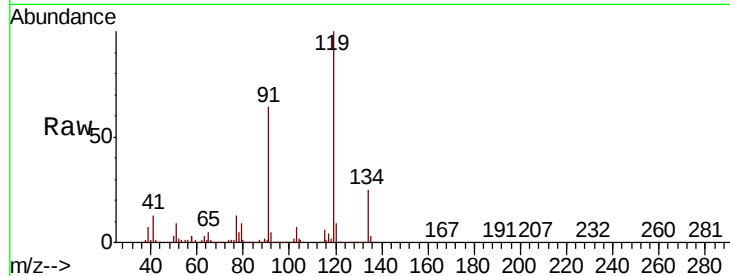
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	403659
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.1	93.2
134	27.0	13.4	40.1

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#84

1,2,4-Trimethylbenzene

Concen: 51.604 ug/l

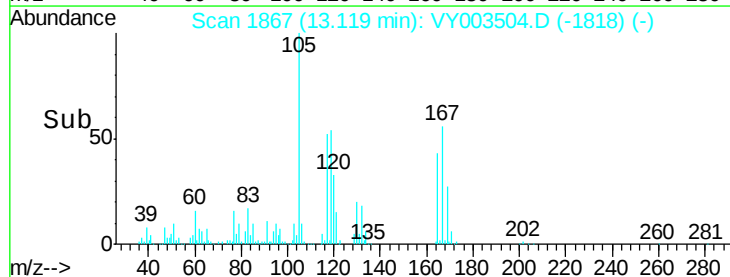
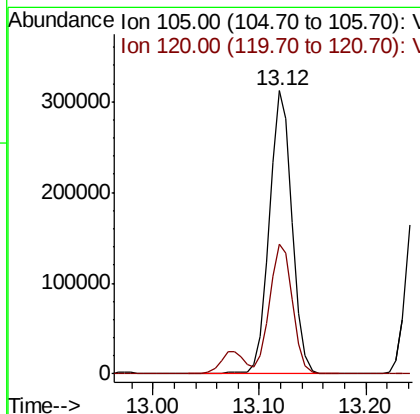
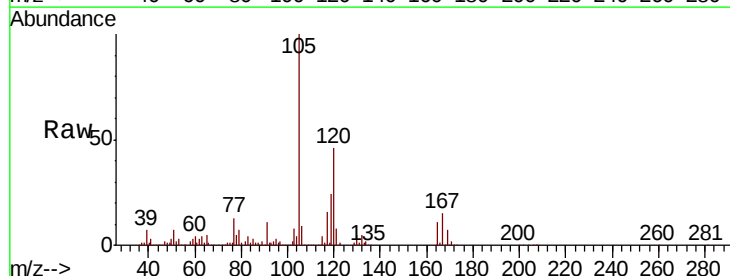
RT: 13.12 min Scan# 1867

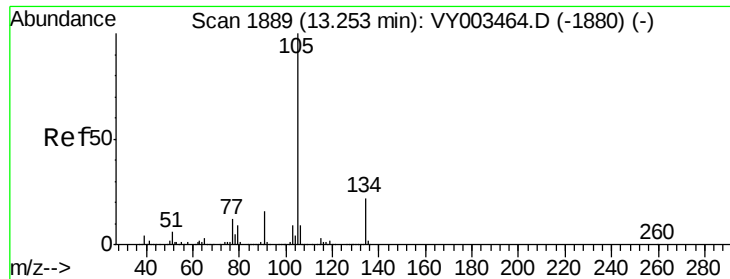
Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion:	105	Resp:	464578
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.9	68.8





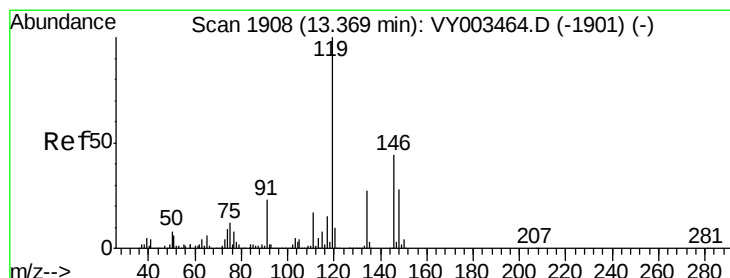
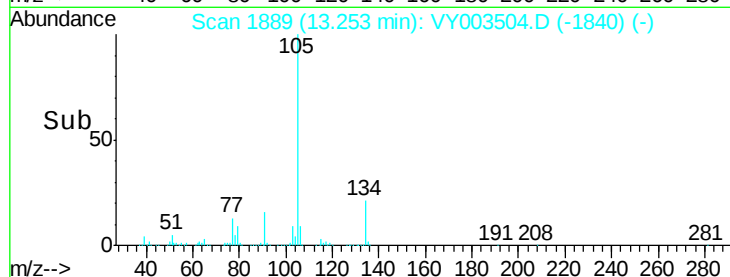
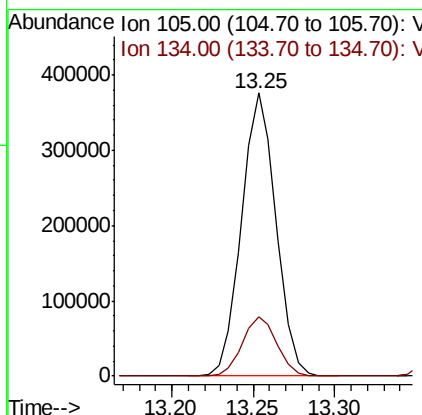
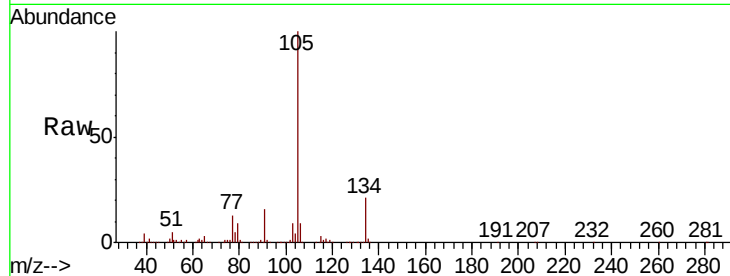
#85
 sec-Butylbenzene
 Concen: 51.098 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.6	31.8

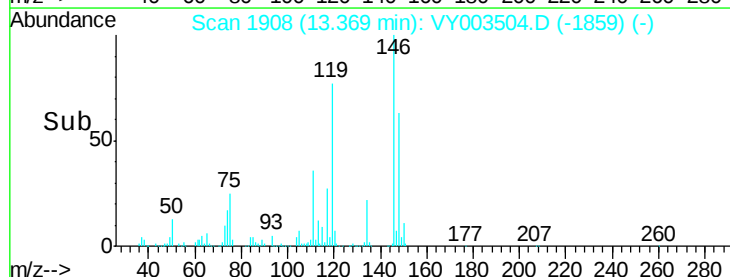
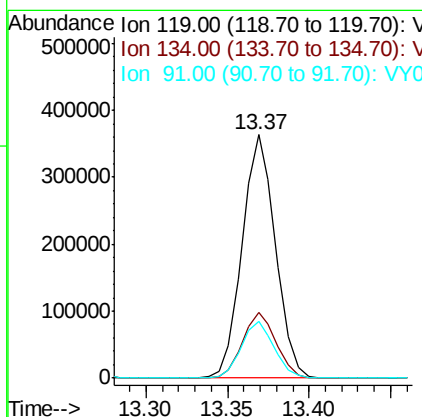
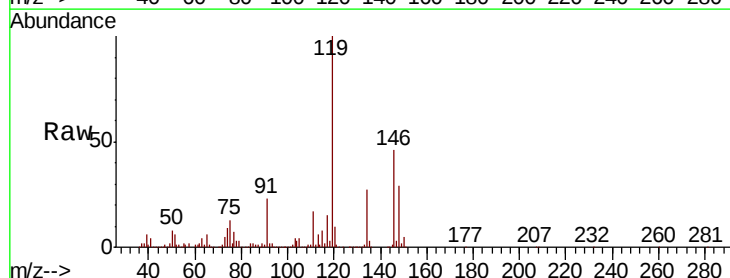
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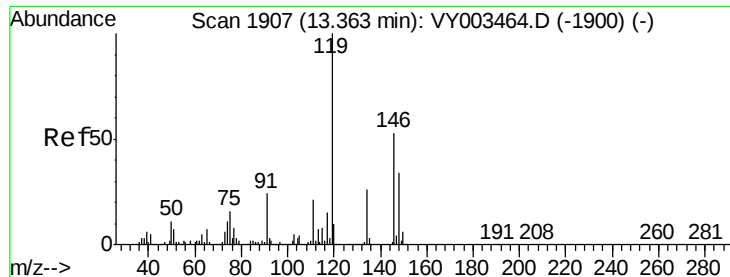
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#86
 p-Isopropyltoluene
 Concen: 51.216 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	23.0	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 51.396 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

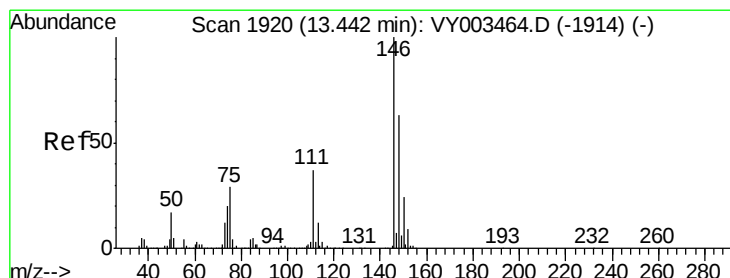
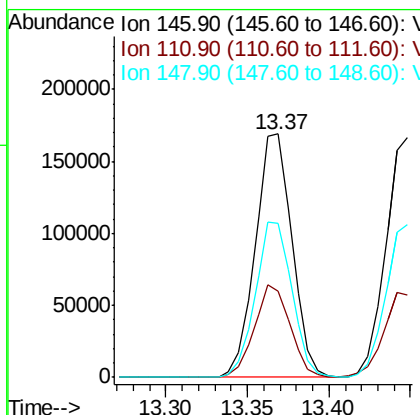
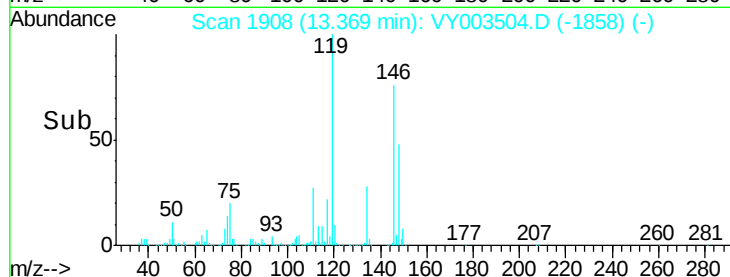
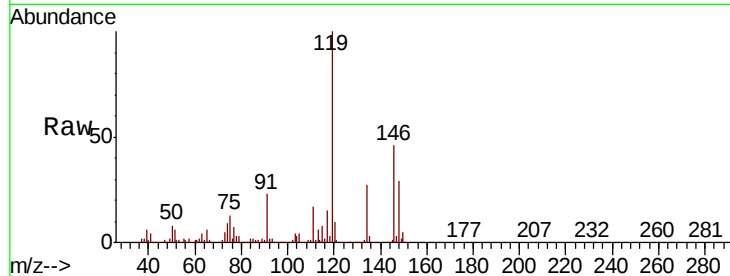
Instrument :
MSVOA_Y

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	63.6	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 50.123 ug/l

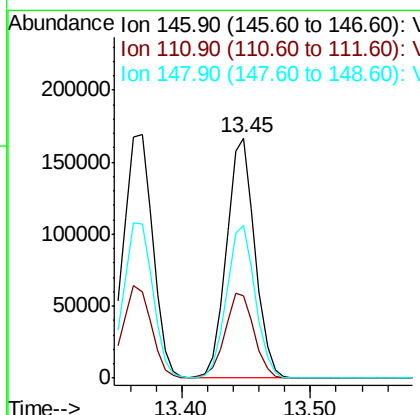
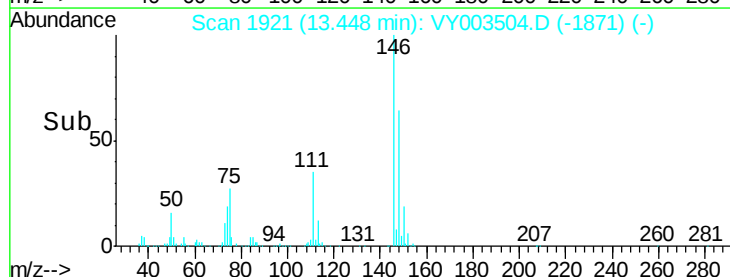
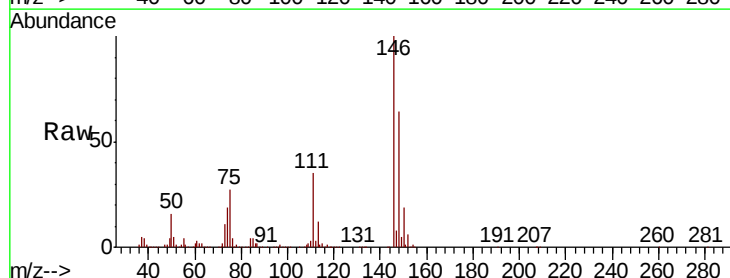
RT: 13.45 min Scan# 1921

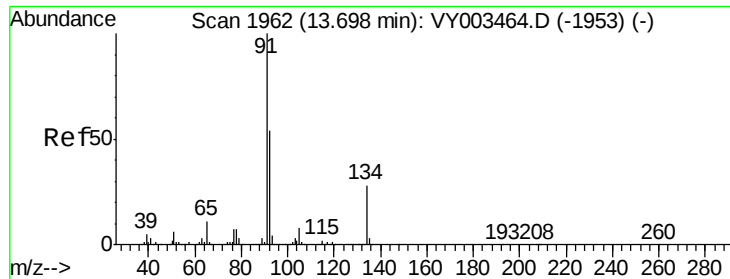
Delta R.T. 0.01 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.8
148	64.5	32.0	96.0





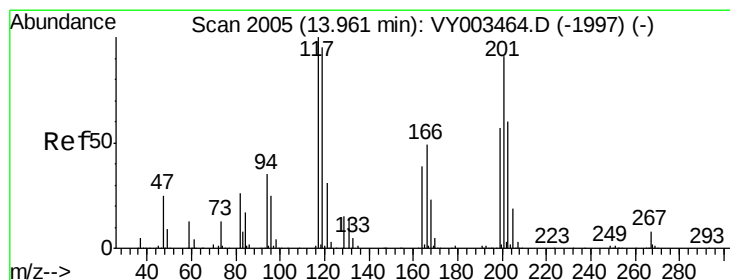
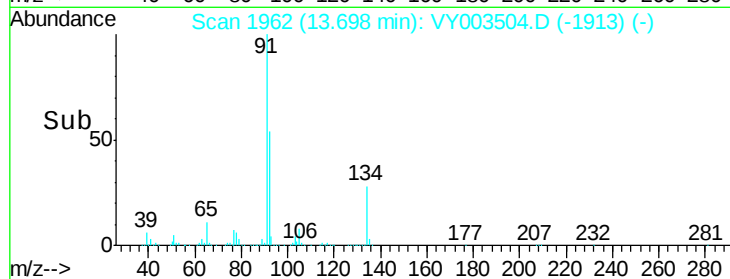
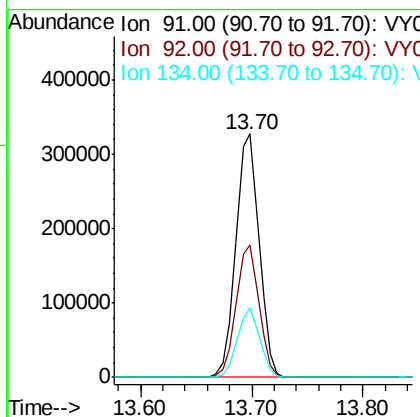
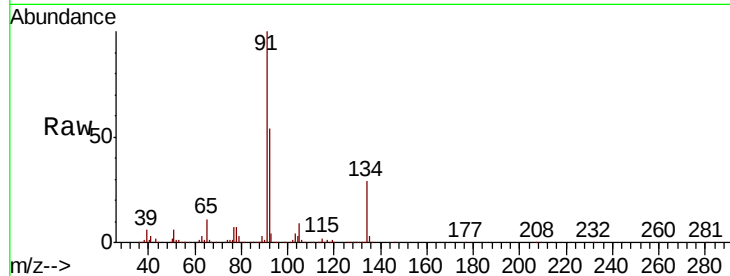
#89
n-Butylbenzene
Concen: 51.719 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.1
134	27.4	13.8	41.3

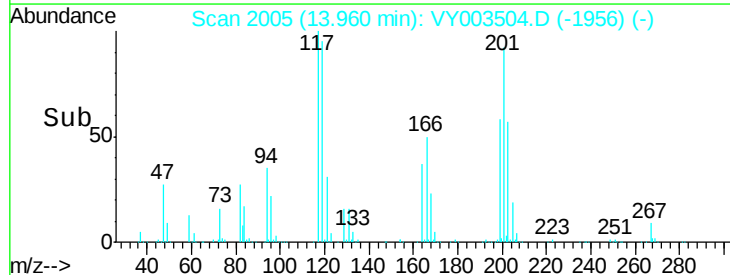
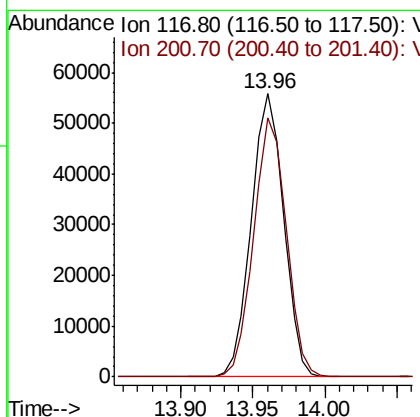
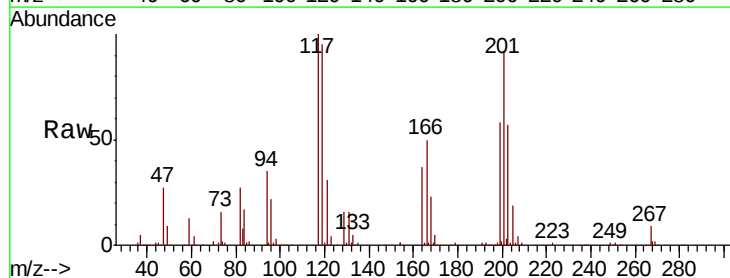
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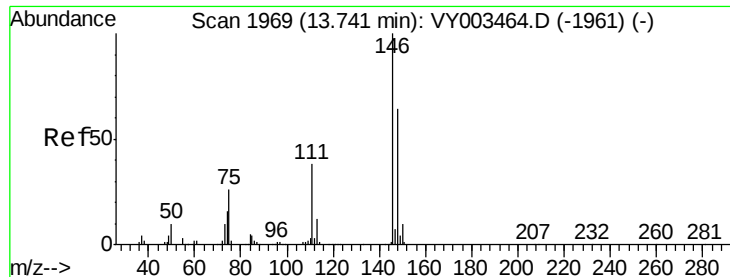
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#90
Hexachloroethane
Concen: 51.330 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.6	139.8





#91

1,2-Dichlorobenzene

Concen: 50.610 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003504.D

Acq: 04 Nov 2020 10:03

Instrument :

MSVOA_Y

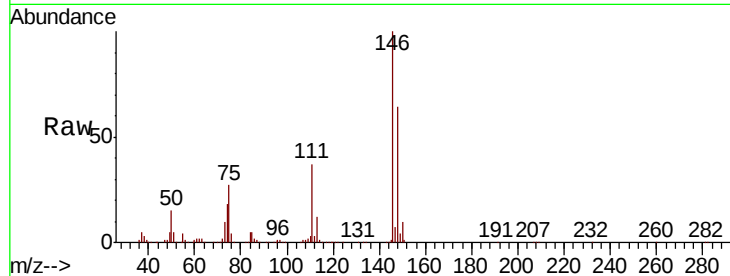
ClientSampleId :

VSTDCCC050

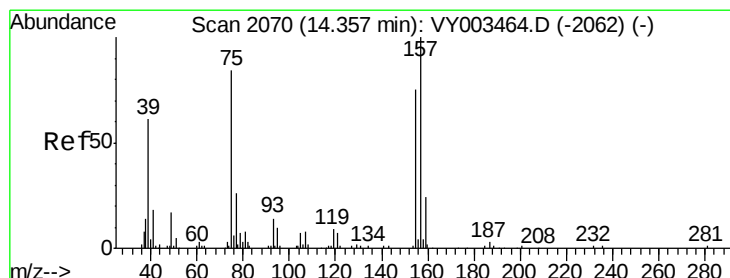
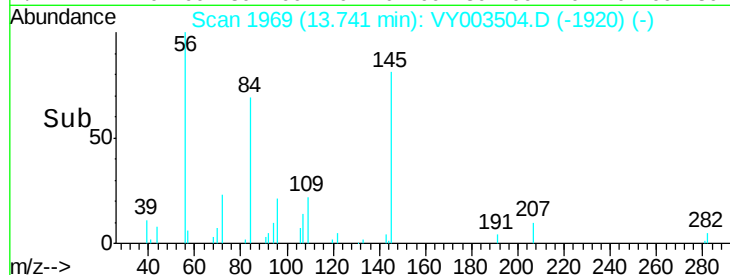
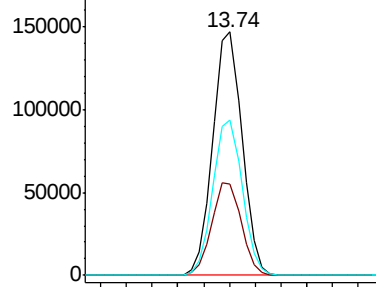
Tot Ion:	146	Resp:	231343
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.3	57.8
148	64.1	32.3	96.8

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.720 ug/l

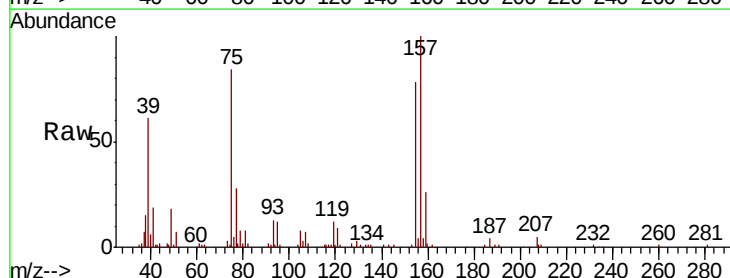
RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

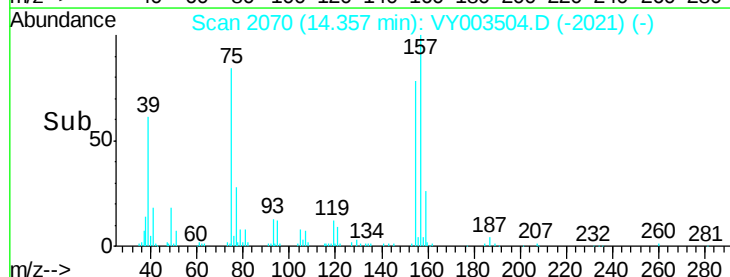
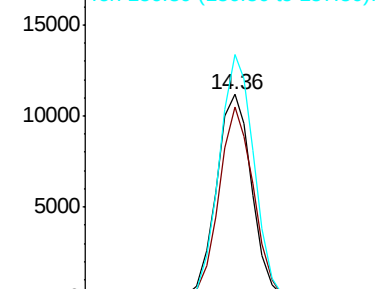
Lab File: VY003504.D

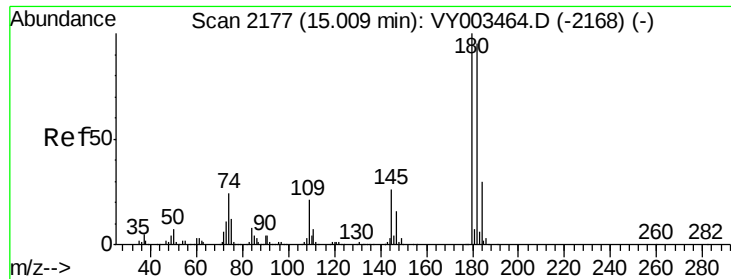
Acq: 04 Nov 2020 10:03

Tgt Ion:	75	Resp:	17958
Ion Ratio	Lower	Upper	
75	100		
155	91.6	45.6	136.7
157	117.9	60.3	180.8



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





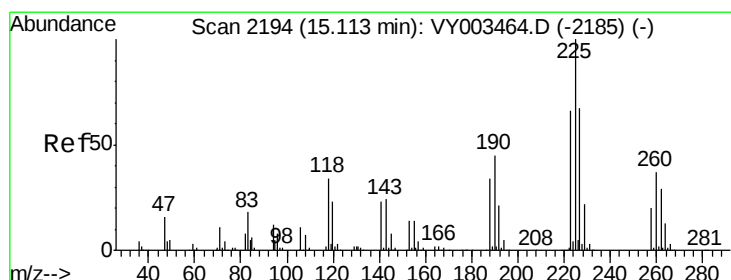
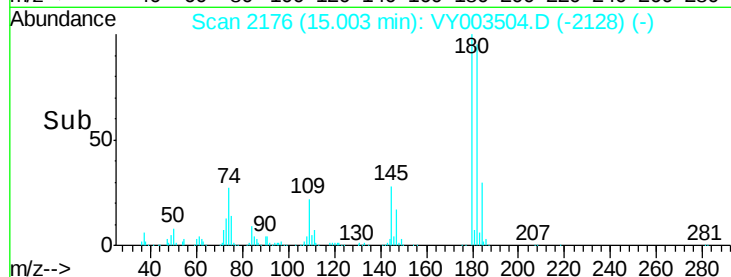
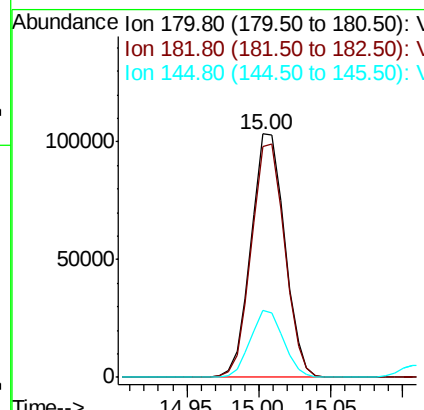
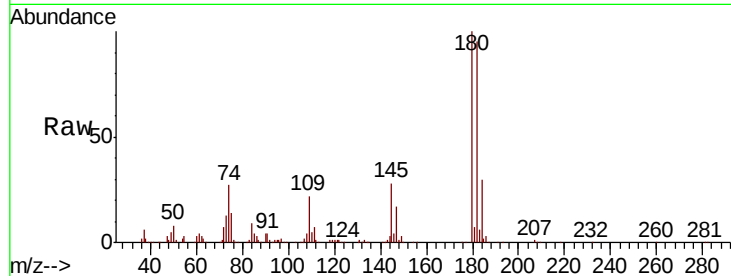
#93
 1,2,4-Trichlorobenzene
 Concen: 51.493 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166494		
182	95.2	48.1	144.3	
145	27.2	13.8	41.3	

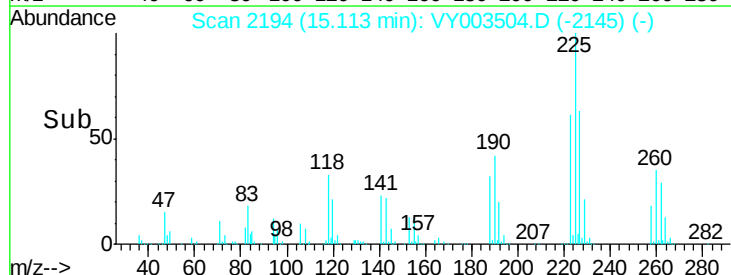
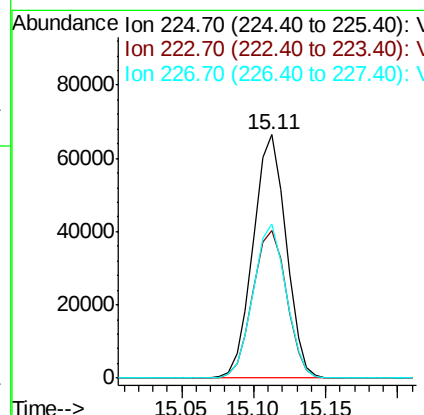
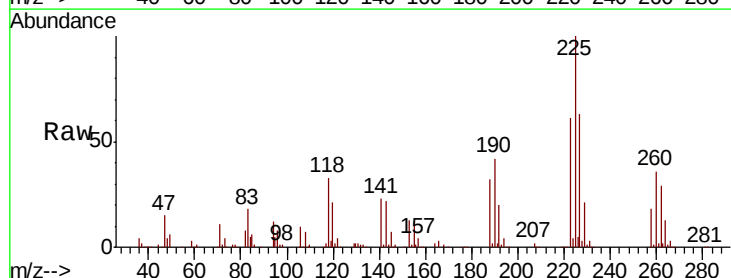
Manual Integrations
 APPROVED

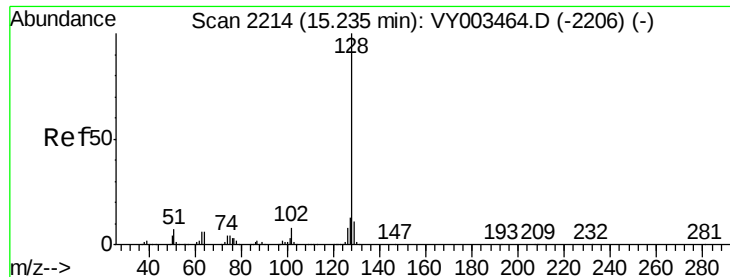
MMDadoda
 11/5/2020 7:01:49 PM



#94
 Hexachlorobutadiene
 Concen: 50.455 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003504.D
 Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104947		
223	62.7	32.1	96.3	
227	63.3	32.4	97.2	





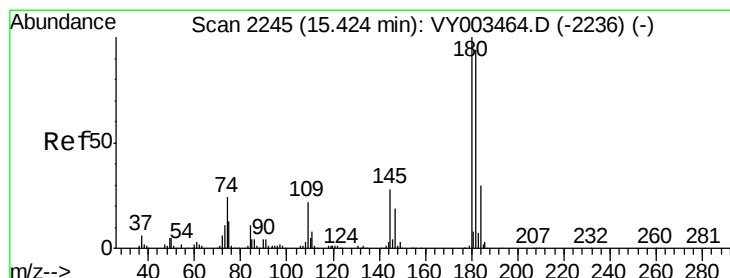
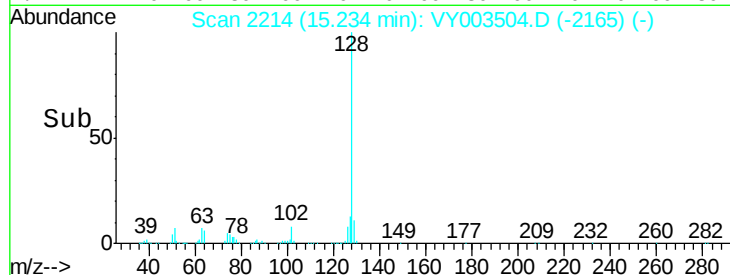
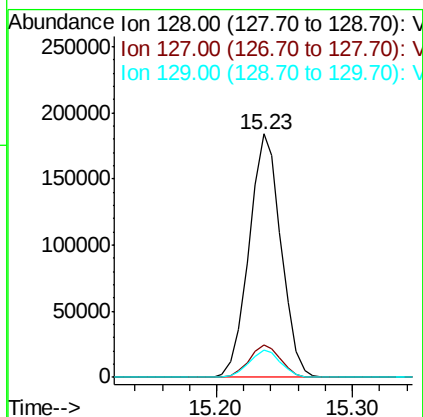
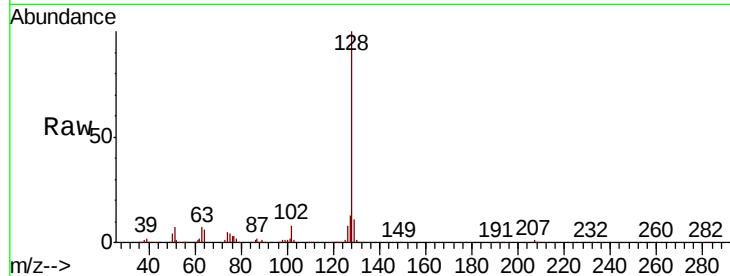
#95
Naphthalene
Concen: 46.805 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/5/2020 7:01:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.012 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003504.D
Acq: 04 Nov 2020 10:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.7
145	29.4	14.4	43.2

