

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002633.D
 Acq On : 08 May 2020 10:37
 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
 5/11/2020 1:00:48 PM

Quant Time: May 09 04:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	362549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	536417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	476908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	240462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	156215	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.74	113	167626	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.19	98	657806	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	217939	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	156734	52.236	ug/l	99
3) Chloromethane	2.13	50	166098	56.548	ug/l	99
4) Vinyl Chloride	2.26	62	191392	56.429	ug/l	100
5) Bromomethane	2.66	94	122536	52.389	ug/l	98
6) Chloroethane	2.81	64	108996	53.820	ug/l	97
7) Trichlorofluoromethane	3.14	101	271950	51.735	ug/l	98
8) Diethyl Ether	3.55	74	91702	51.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.92	101	168932	52.583	ug/l	99
10) Methyl Iodide	4.11	142	232138	53.036	ug/l	99
11) Tert butyl alcohol	4.98	59	68461	218.289	ug/l	99
12) 1,1-Dichloroethene	3.90	96	167599	53.700	ug/l	97
13) Acrolein	3.75	56	45671	210.588	ug/l	96
14) Allyl chloride	4.50	41	245633	54.017	ug/l	97
15) Acrylonitrile	5.19	53	206517	247.907	ug/l	99
16) Acetone	3.97	43	152305	242.093	ug/l	97
17) Carbon Disulfide	4.22	76	505568	53.845	ug/l	99
18) Methyl Acetate	4.50	43	99180	47.183	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	412384	50.645	ug/l	97
20) Methylene Chloride	4.74	84	174783	49.681	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	181268	53.139	ug/l	99
22) Diisopropyl ether	6.14	45	488614	53.104	ug/l	95
23) Vinyl Acetate	6.08	43	1493231	258.055	ug/l	99
24) 1,1-Dichloroethane	6.05	63	286969	52.720	ug/l	99
25) 2-Butanone	7.01	43	243284	236.237	ug/l	95
26) 2,2-Dichloropropane	7.00	77	263983	51.021	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	200113	53.018	ug/l	98
28) Bromochloromethane	7.36	49	125725	56.373	ug/l	100
29) Tetrahydrofuran	7.37	42	168661	247.539	ug/l	99
30) Chloroform	7.53	83	294698	52.069	ug/l	98
31) Cyclohexane	7.80	56	279350	50.985	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	272763	51.850	ug/l	99
36) 1,1-Dichloropropene	7.94	75	238285	52.989	ug/l	99
37) Ethyl Acetate	7.10	43	114365	49.491	ug/l	99
38) Carbon Tetrachloride	7.92	117	256101	52.165	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	311892	52.512	ug/l	99
40) Benzene	8.18	78	689933	53.122	ug/l	100
41) Methacrylonitrile	7.34	41	63279m	50.931	ug/l	
42) 1,2-Dichloroethane	8.26	62	178699	49.052	ug/l	98
43) Isopropyl Acetate	8.29	43	216048	49.871	ug/l	99
44) Trichloroethene	8.96	130	217604	53.612	ug/l	96
45) 1,2-Dichloropropane	9.23	63	164147	52.367	ug/l	99
46) Dibromomethane	9.32	93	90507	50.184	ug/l	100
47) Bromodichloromethane	9.51	83	225989	51.534	ug/l	98
48) Methyl methacrylate	9.31	41	101407	51.723	ug/l	98
49) 1,4-Dioxane	9.31	88	23595	988.113	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	556089	249.039	ug/l	100
52) Toluene	10.26	92	439092	52.605	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	234290	50.992	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	276593	52.073	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	134242	51.043	ug/l	99
56) Ethyl methacrylate	10.52	69	180411	51.565	ug/l	96
57) 1,3-Dichloropropane	10.80	76	225616	50.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	469947	254.706	ug/l	99
59) 2-Hexanone	10.85	43	381344	248.131	ug/l	99
60) Dibromochloromethane	11.00	129	171652	51.316	ug/l	98
61) 1,2-Dibromoethane	11.10	107	129822	49.852	ug/l	100
64) Tetrachloroethene	10.73	164	235500	55.578	ug/l	99
65) Chlorobenzene	11.53	112	476527	52.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	176259	52.375	ug/l	99
67) Ethyl Benzene	11.60	91	846786	53.173	ug/l	99
68) m/p-Xylenes	11.71	106	654029	106.143	ug/l	99
69) o-Xylene	12.04	106	308368	53.449	ug/l	98
70) Styrene	12.06	104	532176	53.957	ug/l	98
71) Bromoform	12.22	173	106421	50.949	ug/l	99
73) Isopropylbenzene	12.34	105	843667	54.136	ug/l	100
74) N-amyl acetate	12.16	43	195769	52.221	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	119283	48.128	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	105947m	49.580	ug/l	
77) Bromobenzene	12.62	156	203302	52.215	ug/l	100
78) n-propylbenzene	12.68	91	975748	53.953	ug/l	100
79) 2-Chlorotoluene	12.77	91	535310	53.435	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	695102	53.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	55392	51.978	ug/l #	72
82) 4-Chlorotoluene	12.86	91	555006	52.742	ug/l	99
83) tert-Butylbenzene	13.09	119	614745	54.273	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	687457	53.397	ug/l	100
85) sec-Butylbenzene	13.27	105	846753	53.873	ug/l	99
86) p-Isopropyltoluene	13.38	119	790813	53.698	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	386654	52.469	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	381237	52.246	ug/l	99
89) n-Butylbenzene	13.70	91	717286	53.501	ug/l	100
90) Hexachloroethane	13.97	117	145266	54.164	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	341055	51.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	21533	46.608	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	238925	50.047	ug/l	99
94) Hexachlorobutadiene	15.12	225	147807	51.580	ug/l	99
95) Naphthalene	15.25	128	416546	47.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	196870	48.577	ug/l	100

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

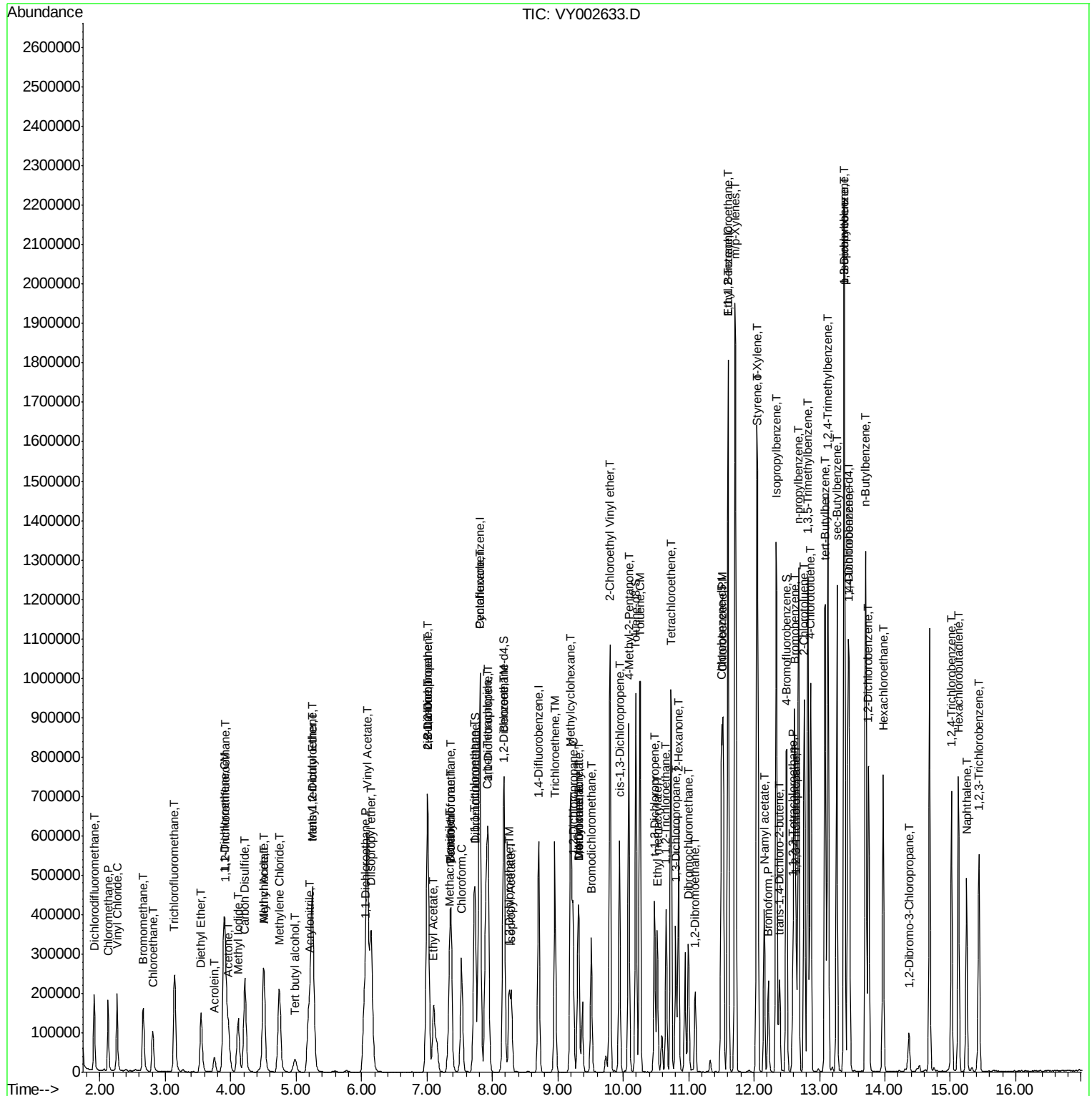
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
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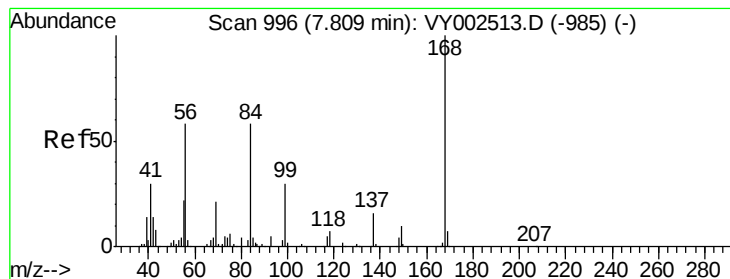
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 362549

Ion Ratio Lower Upper

168 100

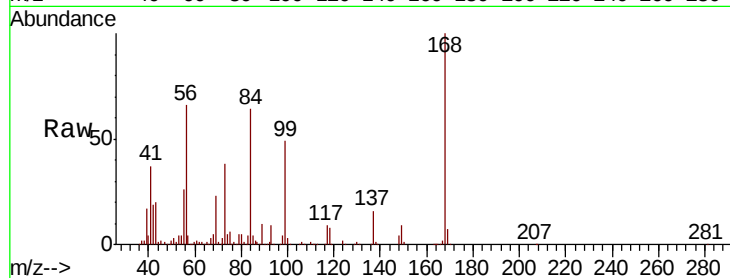
99 49.4 39.2 58.8

Manual Integrations

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5/11/2020 1:00:48 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

150000

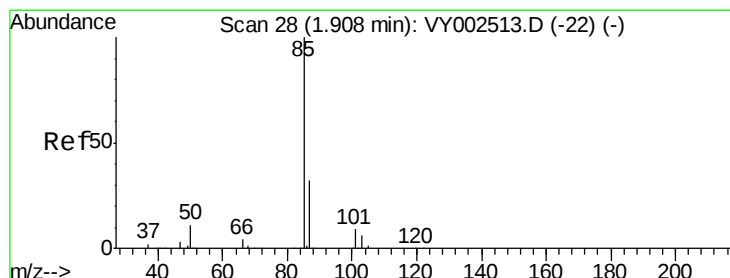
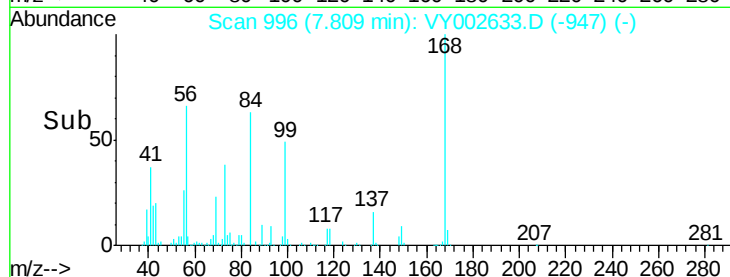
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 52.236 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002633.D

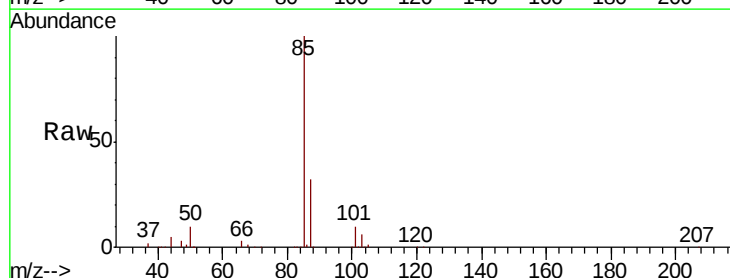
Acq: 08 May 2020 10:37

Tgt Ion: 85 Resp: 156734

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

120000

100000

80000

60000

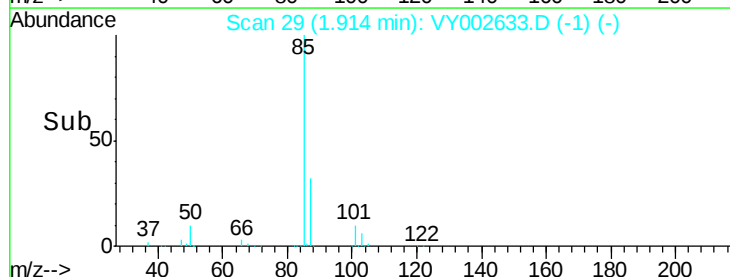
40000

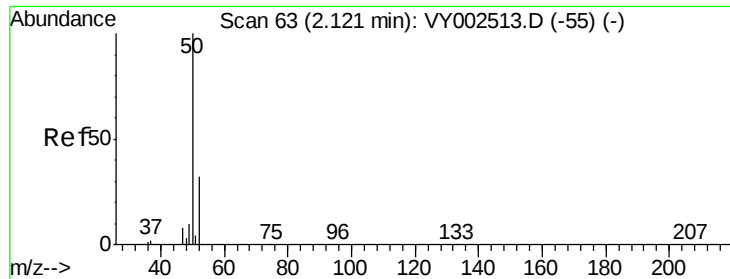
20000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 56.548 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 166098

Ion Ratio Lower Upper

50 100

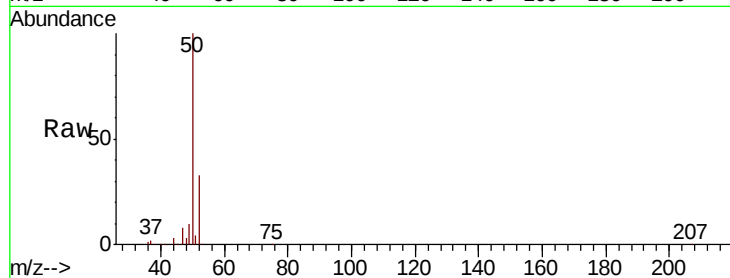
52 33.0 25.9 38.9

Manual Integrations

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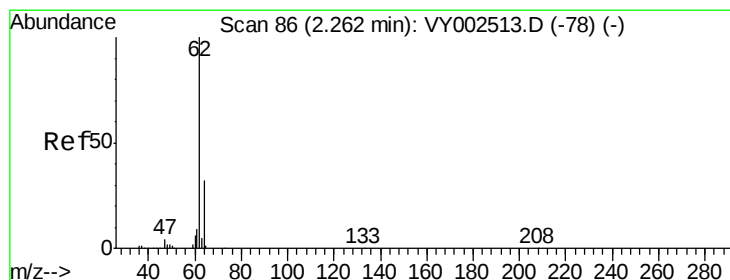
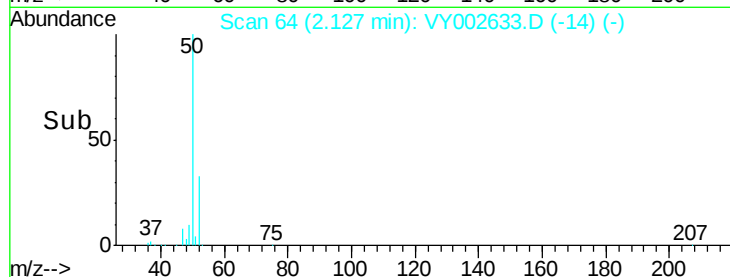
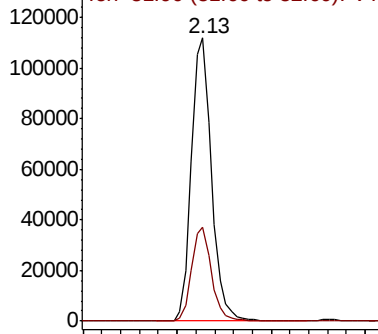
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 56.429 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002633.D

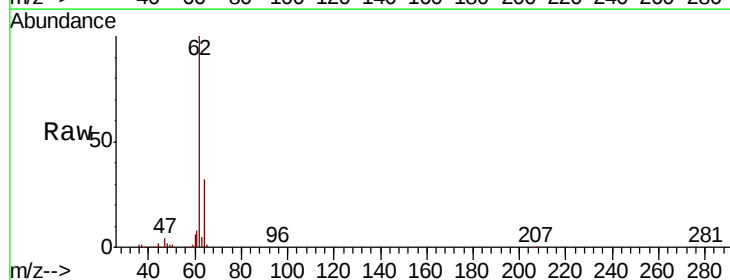
Acq: 08 May 2020 10:37

Tgt Ion: 62 Resp: 191392

Ion Ratio Lower Upper

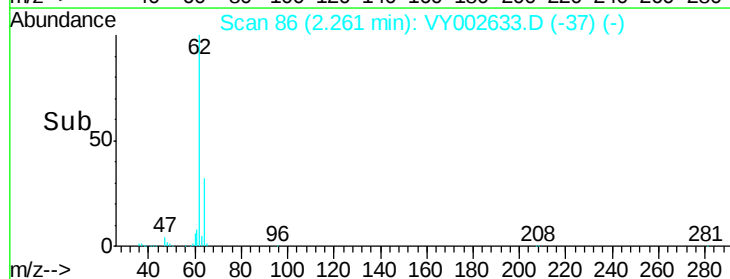
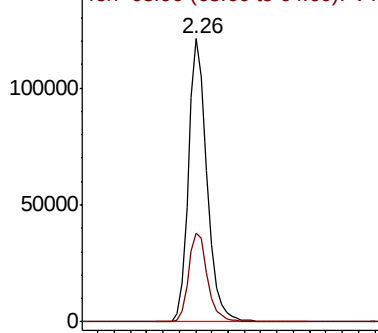
62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 52.389 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 122536

Ion Ratio Lower Upper

94 100

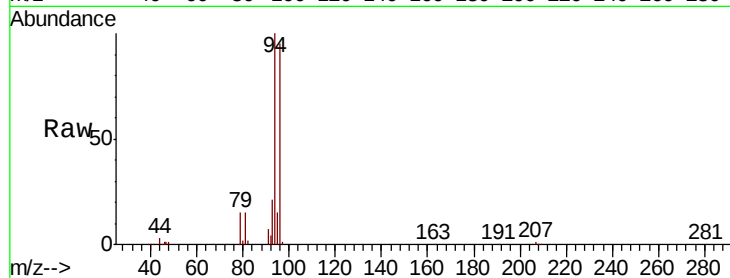
96 95.1 74.9 112.3

Manual Integrations

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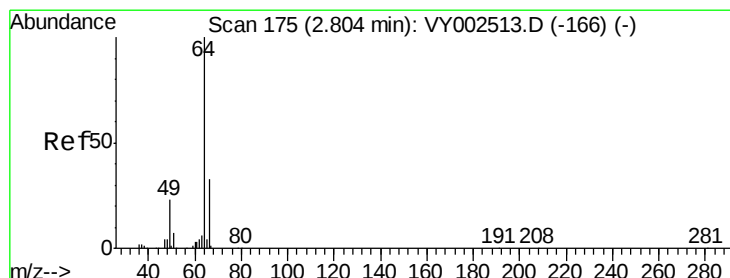
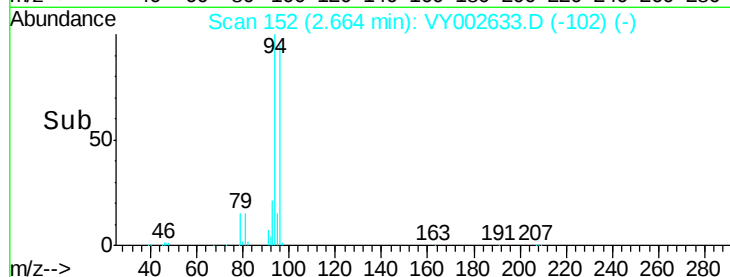
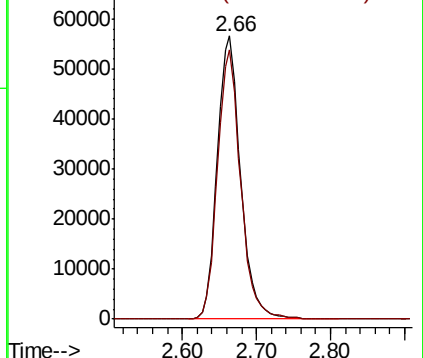
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.820 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY002633.D

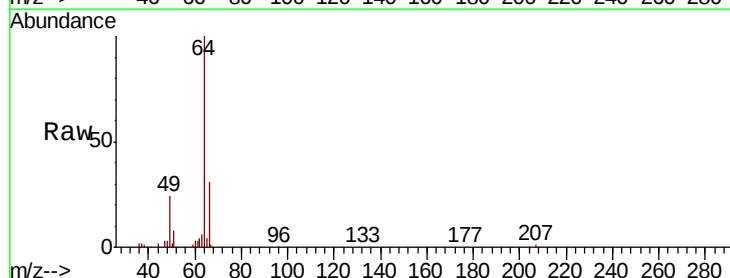
Acq: 08 May 2020 10:37

Tgt Ion: 64 Resp: 108996

Ion Ratio Lower Upper

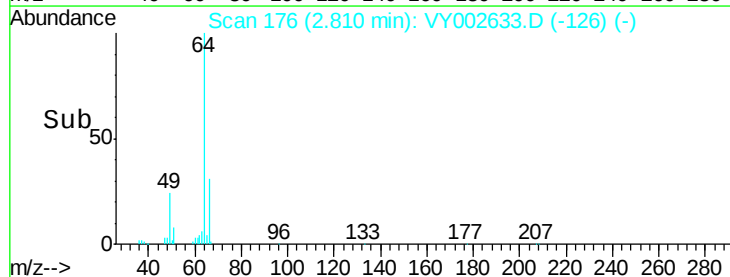
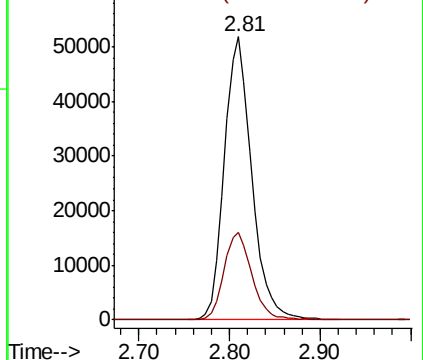
64 100

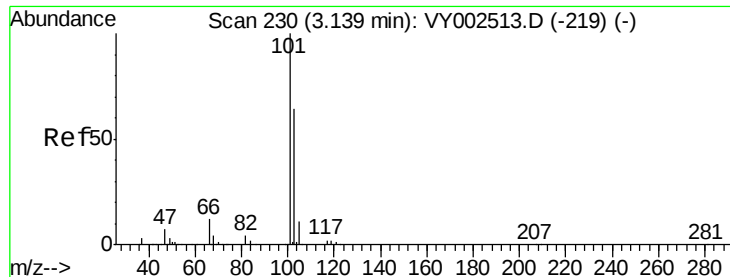
66 31.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

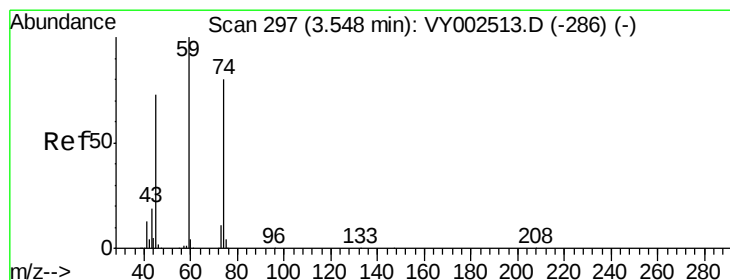
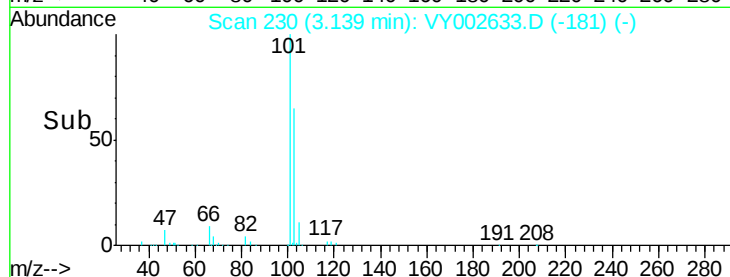
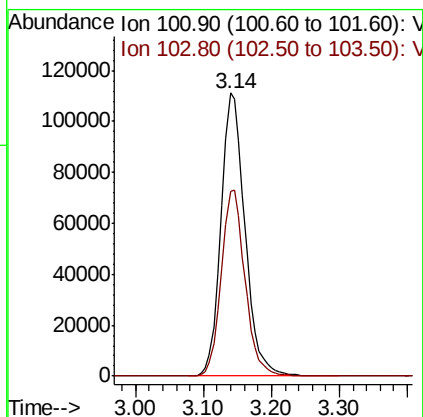
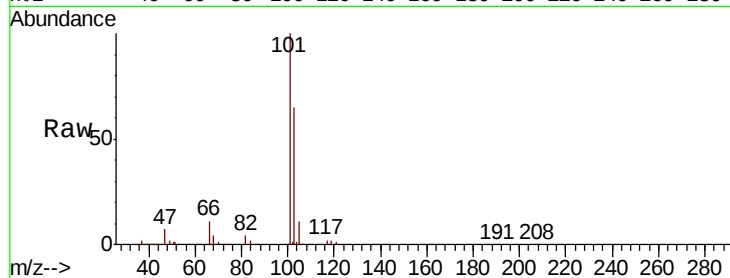
Trichlorofluoromethane
Concen: 51.735 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.0

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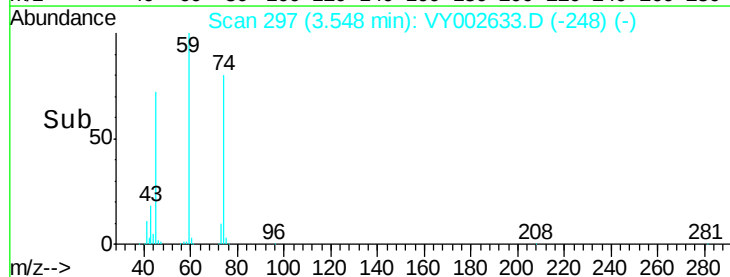
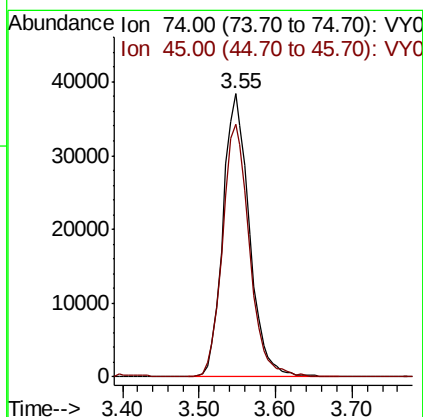
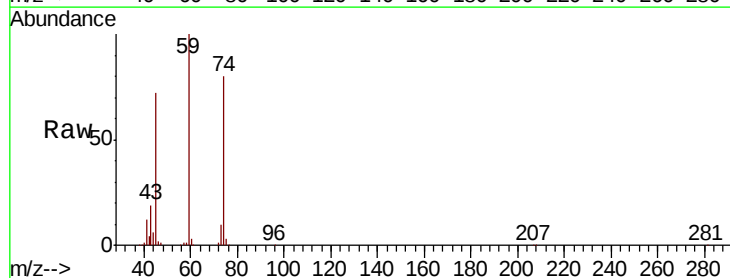
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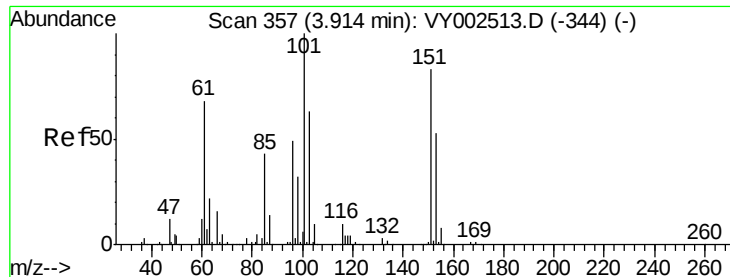


#8

Diethyl Ether
Concen: 51.912 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.583 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

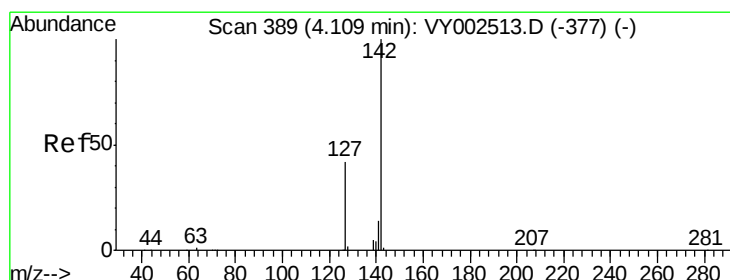
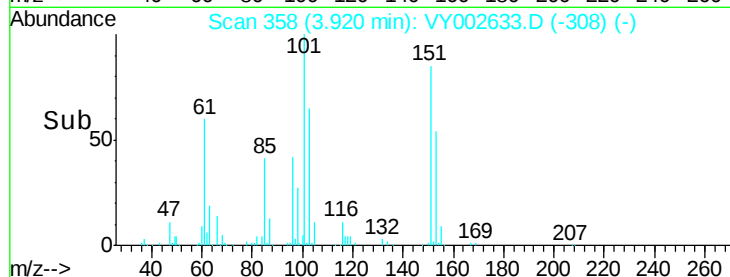
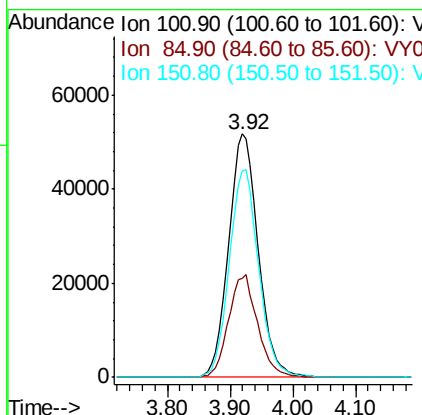
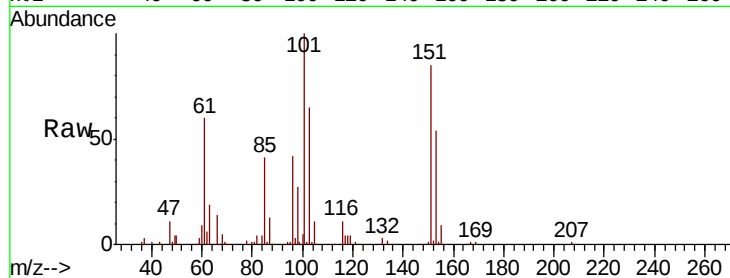
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	168932
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.2
151	85.1	66.8	100.2

Manual Integrations
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5/11/2020 1:00:48 PM



#10

Methyl Iodide

Concen: 53.036 ug/l

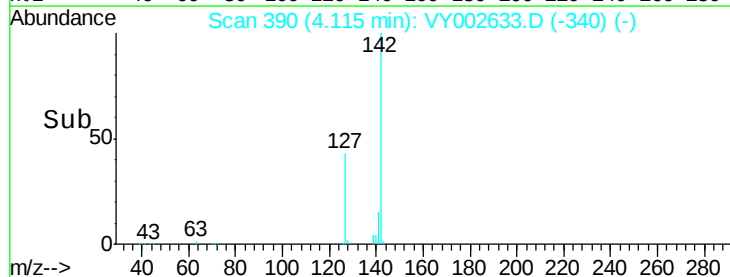
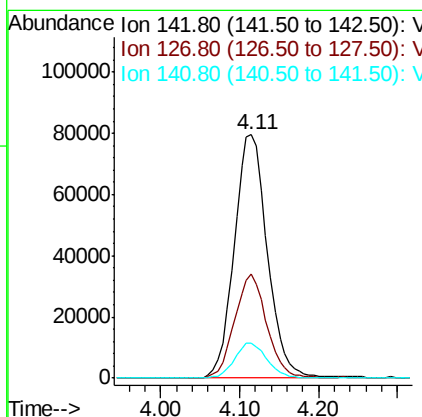
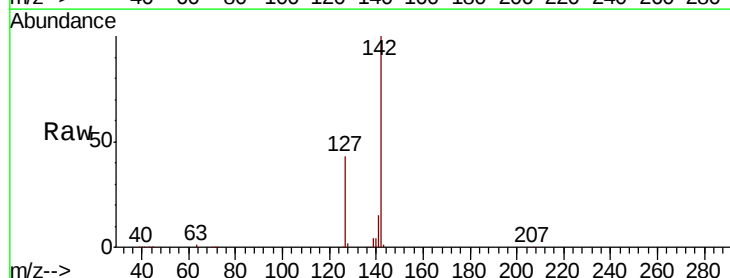
RT: 4.11 min Scan# 390

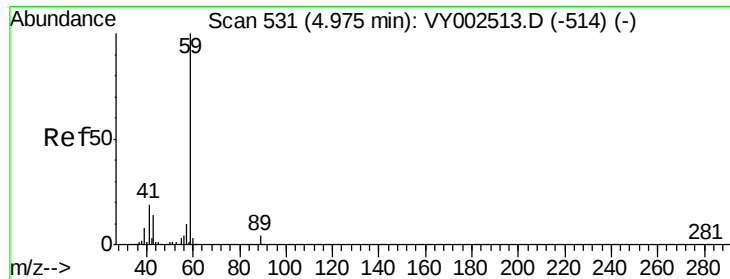
Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion:	142	Resp:	232138
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.7	50.5
141	14.2	11.4	17.0





#11

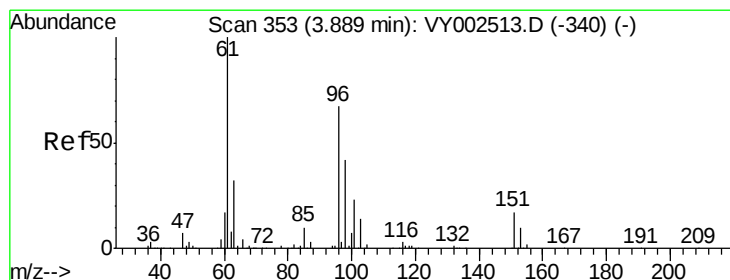
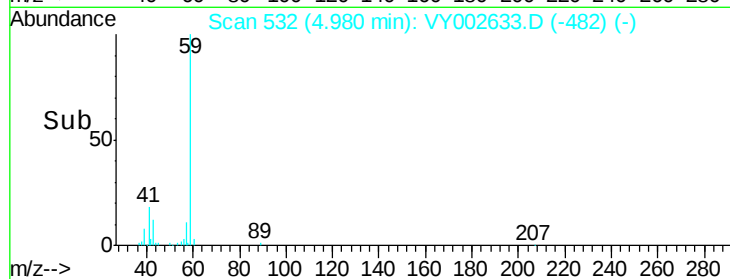
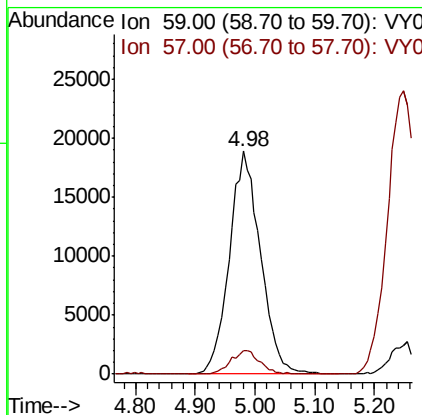
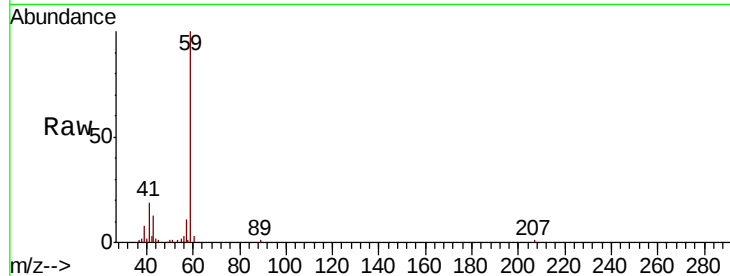
Tert butyl alcohol
 Concen: 218.289 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	68461
Ion Ratio	100	Lower	Upper
57	10.0	7.8	11.6

Manual Integrations
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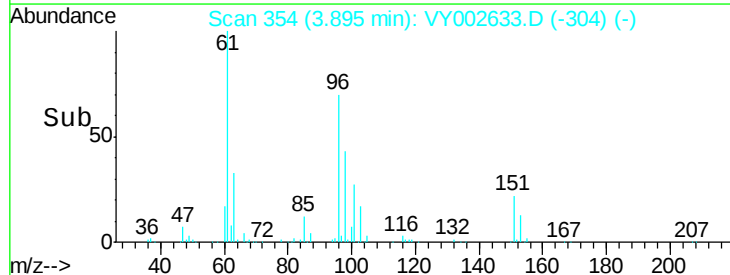
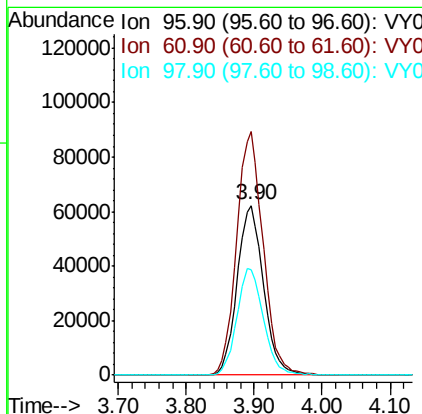
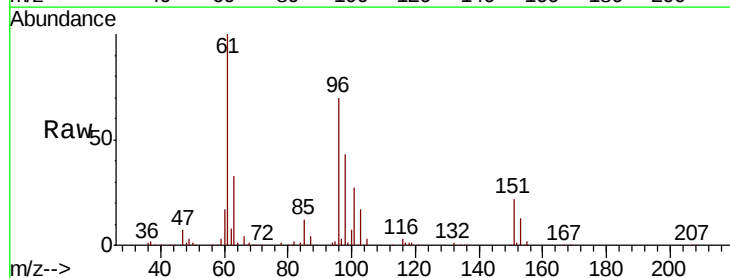
MMDadoda
 5/11/2020 1:00:48 PM

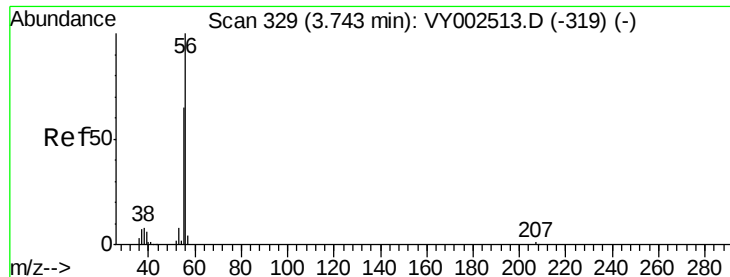


#12

1,1-Dichloroethene
 Concen: 53.700 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	96	Resp	167599
Ion Ratio	100	Lower	Upper
61	143.6	118.8	178.2
98	62.4	49.6	74.4





#13

Acrolein

Concen: 210.588 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 45671

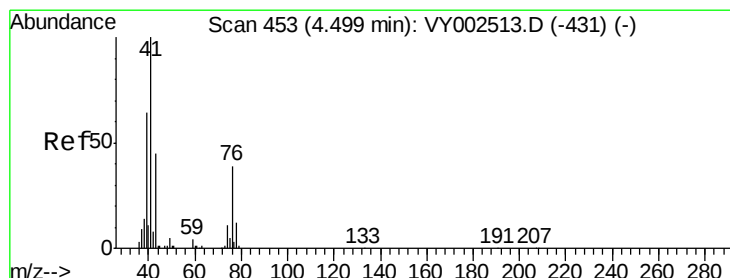
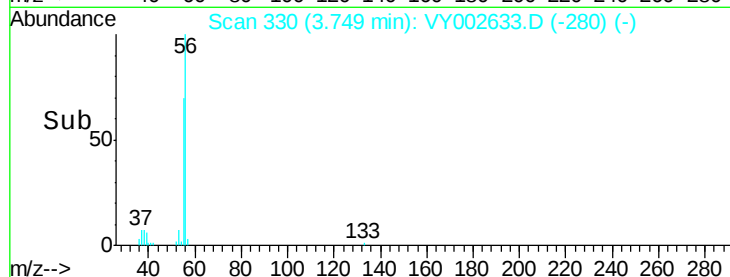
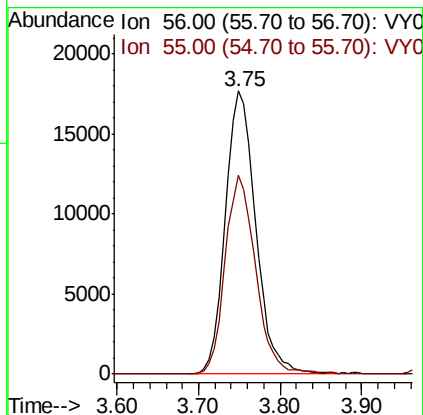
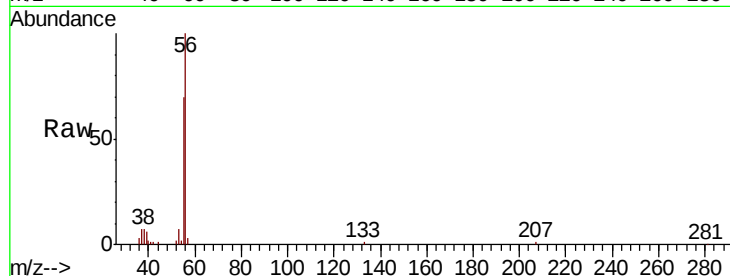
Ion Ratio Lower Upper

56 100

55 70.3 53.8 80.6

Manual Integrations
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5/11/2020 1:00:48 PM



#14

Allyl chloride

Concen: 54.017 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

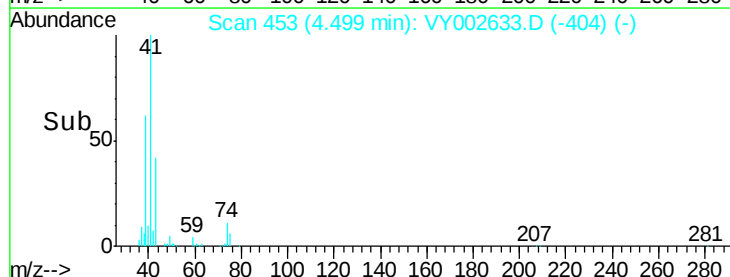
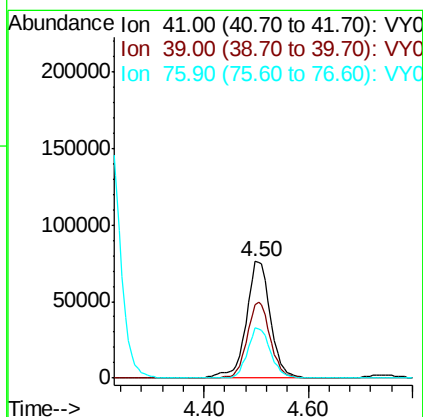
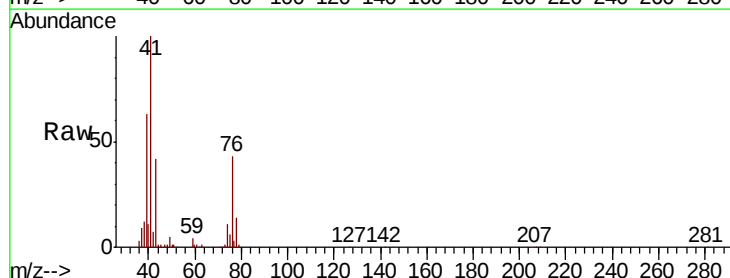
Tgt Ion: 41 Resp: 245633

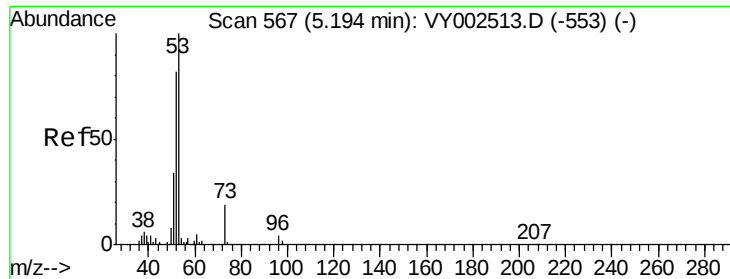
Ion Ratio Lower Upper

41 100

39 62.2 51.8 77.6

76 40.5 31.7 47.5





#15

Acrylonitrile

Concen: 247.907 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

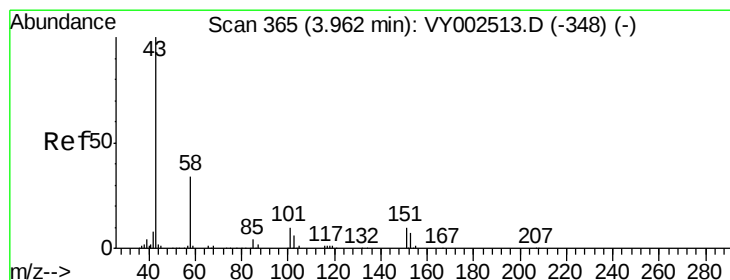
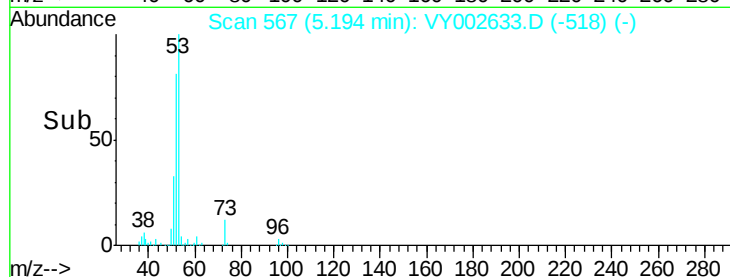
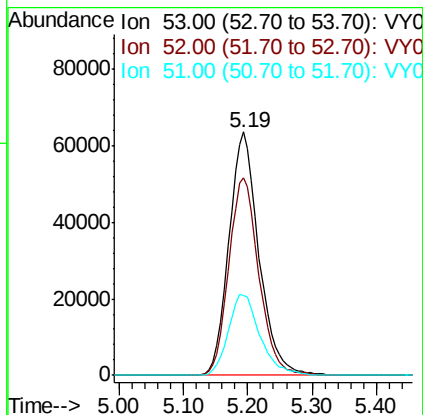
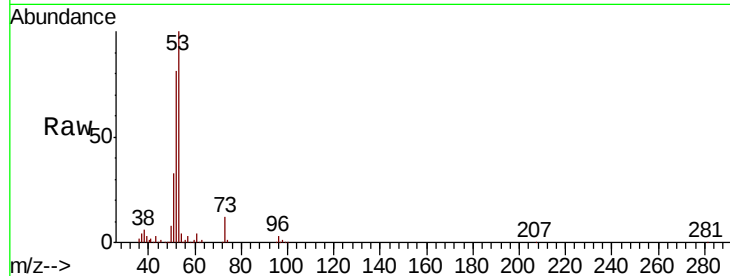
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	206517
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.4	98.0
51	35.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 242.093 ug/l

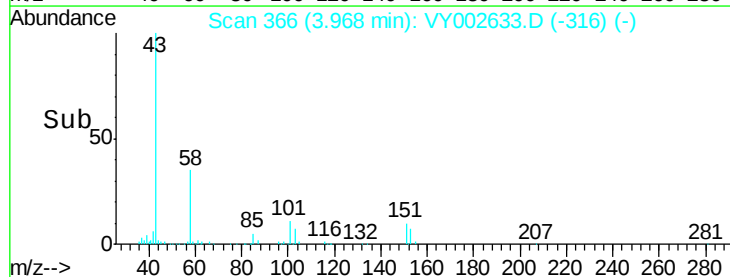
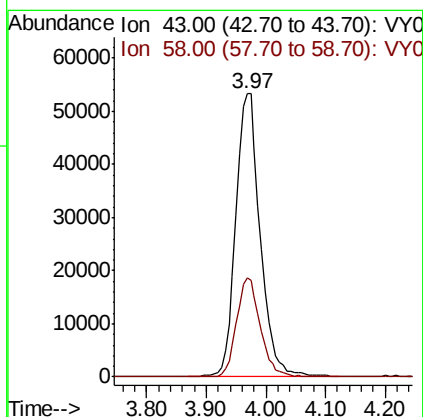
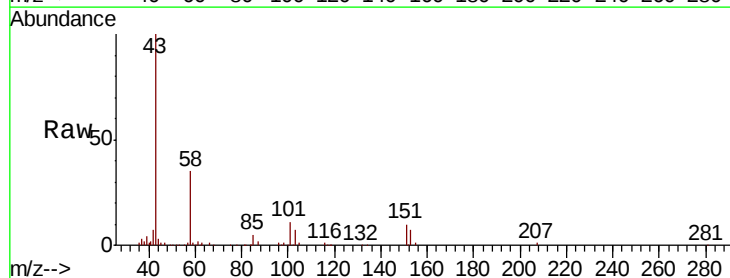
RT: 3.97 min Scan# 366

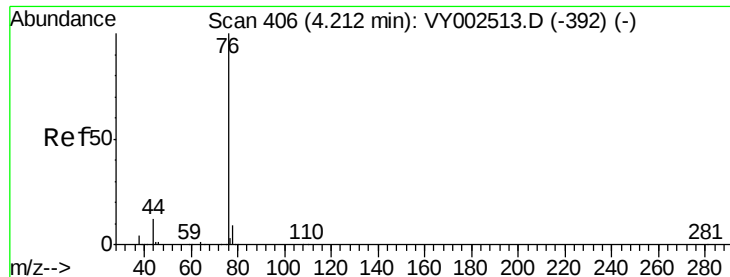
Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion	43	Resp	152305
Ion Ratio	Lower	Upper	
43	100		
58	35.1	26.9	40.3





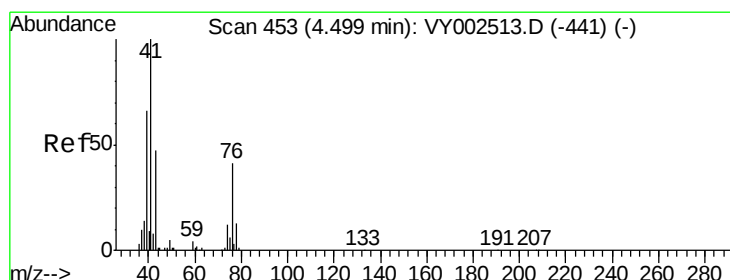
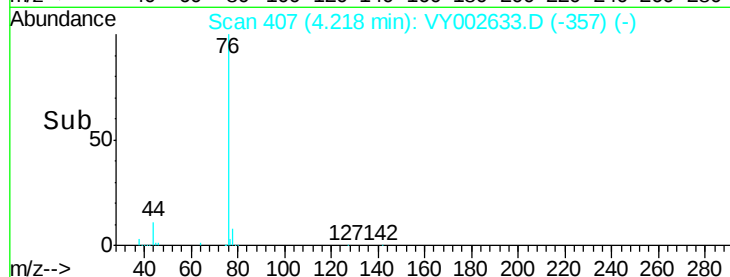
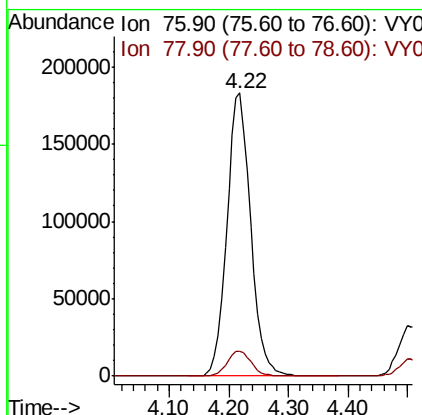
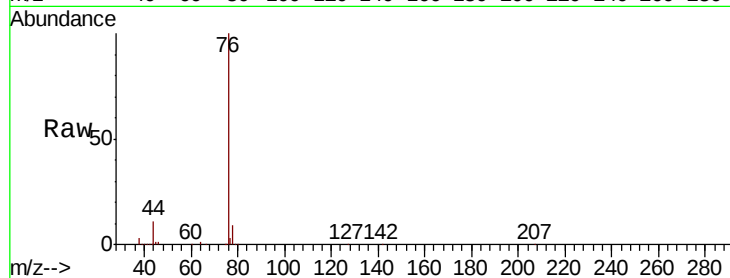
#17
Carbon Disulfide
Concen: 53.845 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	505568		
78	8.8		7.4	11.2

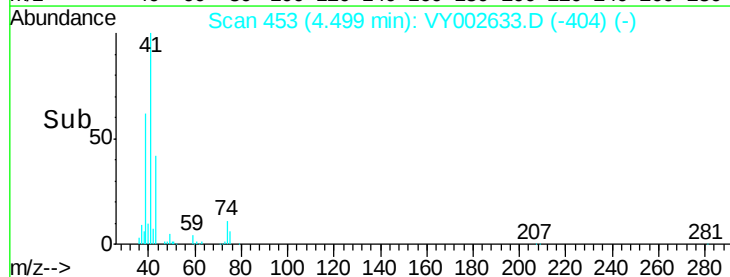
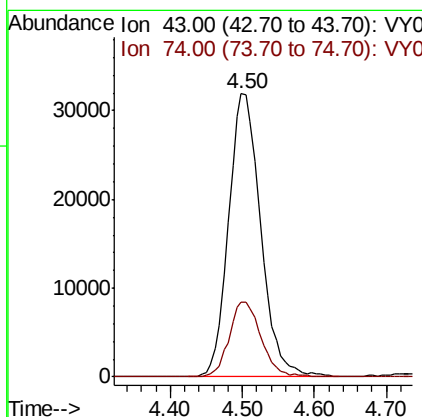
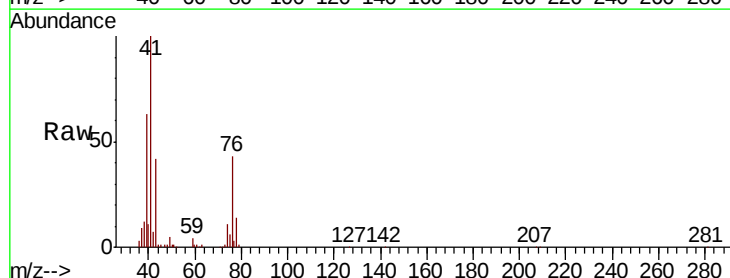
Manual Integrations
APPROVED

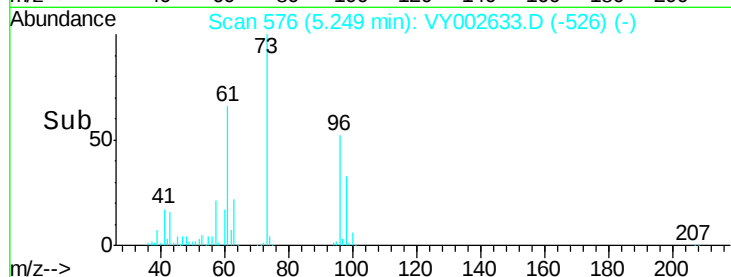
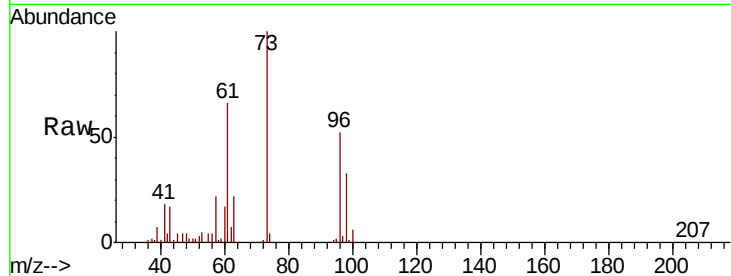
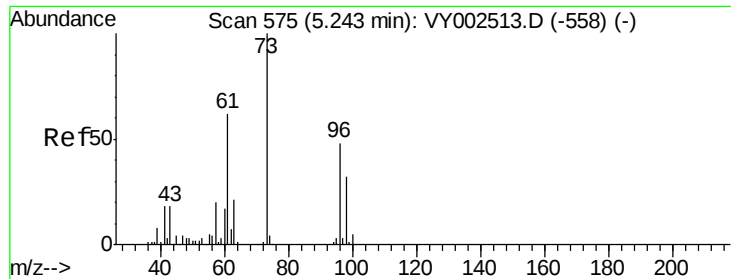
MMDadoda
5/11/2020 1:00:48 PM



#18
Methyl Acetate
Concen: 47.183 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	99180		
74	26.4		21.2	31.8





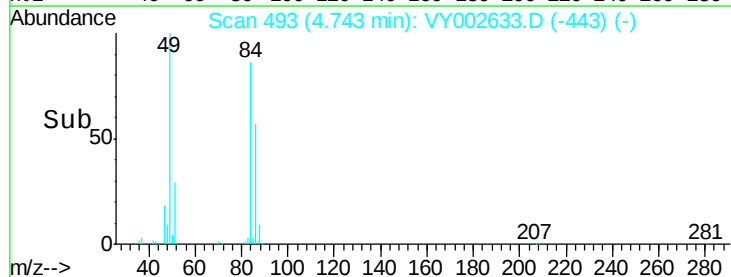
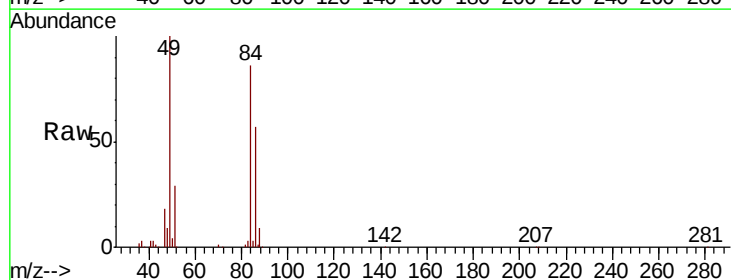
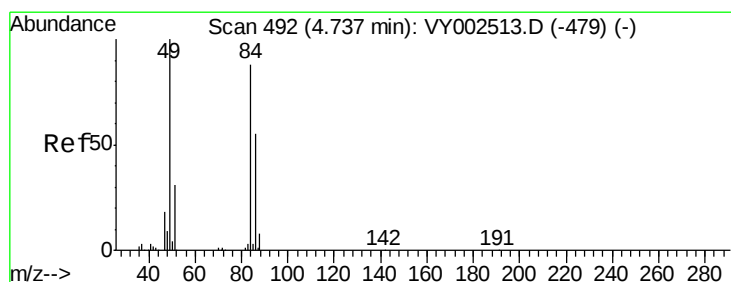
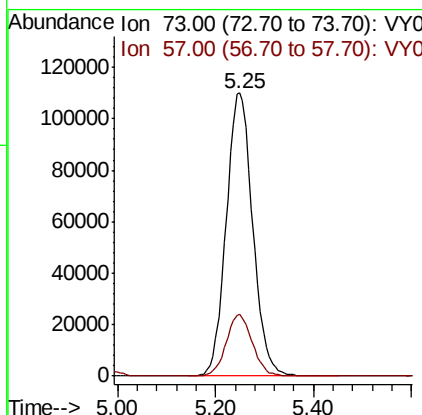
#19
Methvl tert-butvl Ether
Concen: 50.645 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tot Ion: 73 Resp: 412384
Ion Ratio Lower Upper
73 100
57 21.8 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

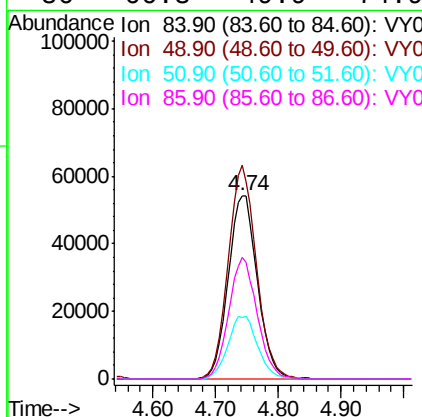
Manual Integrations
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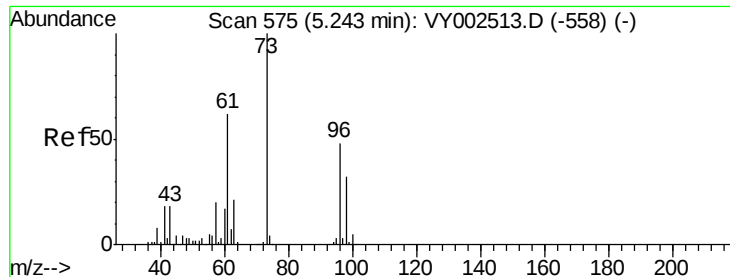
MMDadoda
5/11/2020 1:00:48 PM



#20
Methylene Chloride
Concen: 49.681 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion: 84 Resp: 174783
Ion Ratio Lower Upper
84 100
49 116.3 90.5 135.7
51 33.7 28.3 42.5
86 66.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.139 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

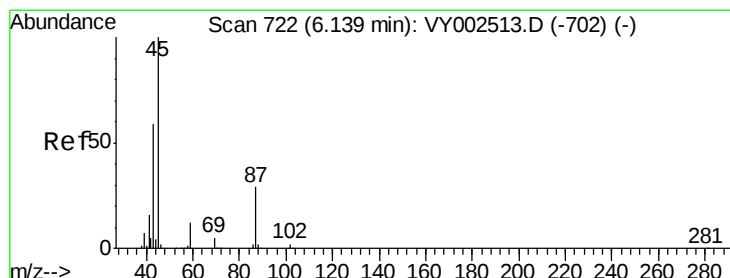
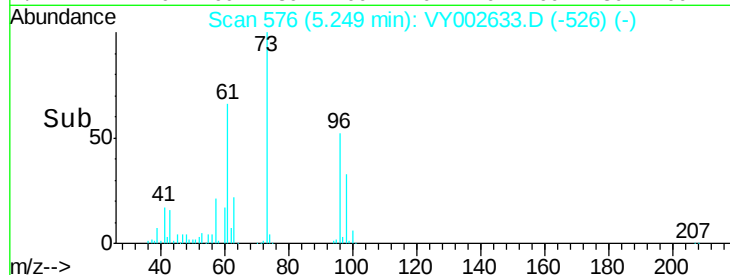
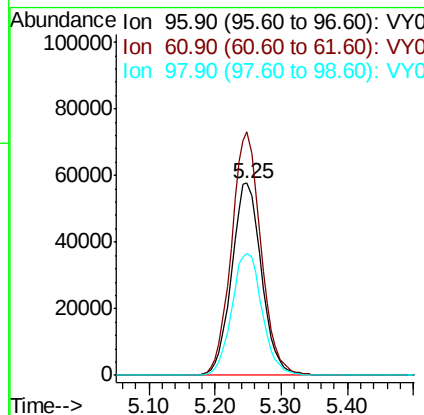
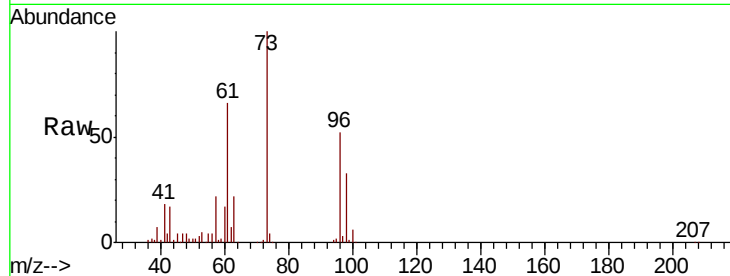
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	181268
Ion	Ratio	Lower	Upper
96	100		
61	126.9	102.0	153.0
98	63.7	53.0	79.4

Manual Integrations
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5/11/2020 1:00:48 PM



#22

Diisopropyl ether

Concen: 53.104 ug/l

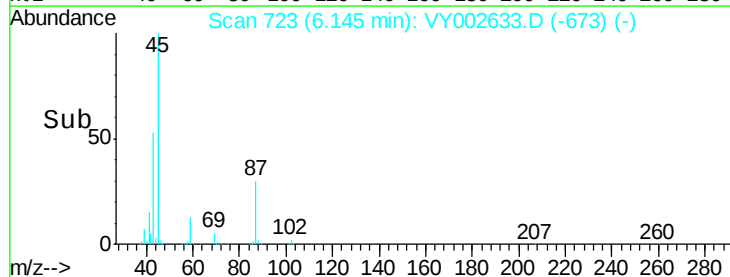
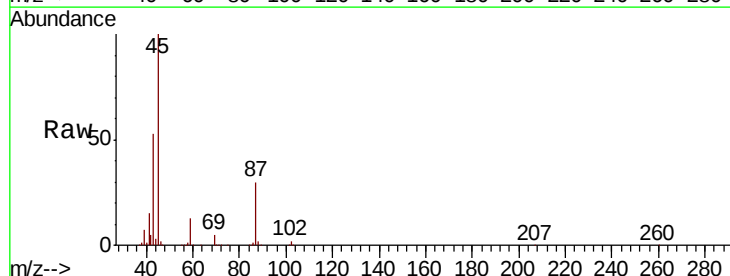
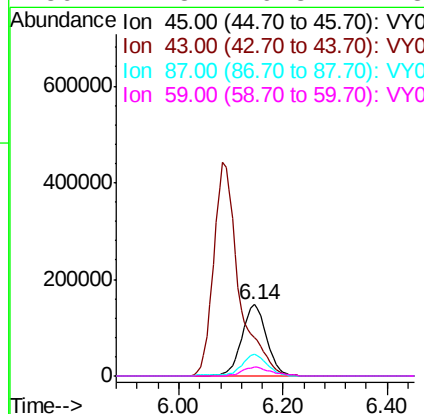
RT: 6.14 min Scan# 723

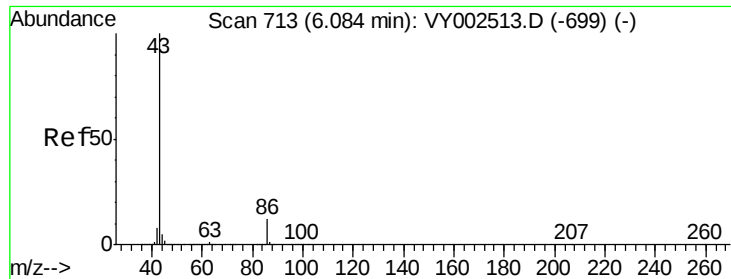
Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion:	45	Resp:	488614
Ion	Ratio	Lower	Upper
45	100		
43	52.9	47.4	71.0
87	30.4	24.0	36.0
59	12.8	9.8	14.8





#23

Vinyl Acetate

Concen: 258.055 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1493231

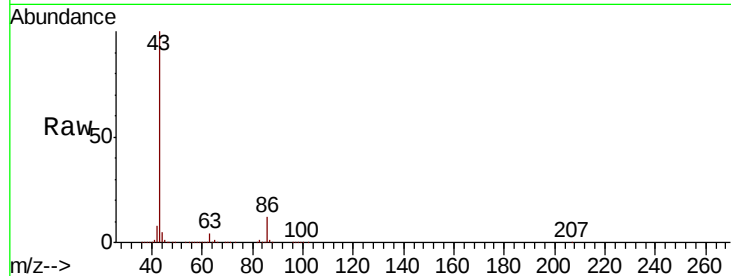
Ion Ratio Lower Upper

43 100

86 11.8 9.8 14.6

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-699) (-)

Ion 86.00 (85.70 to 86.70): VY002513.D (-699) (-)

6.08

500000

400000

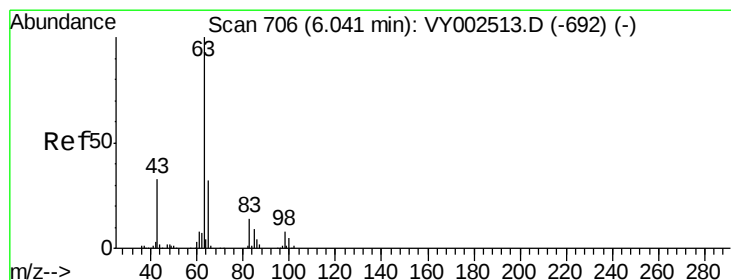
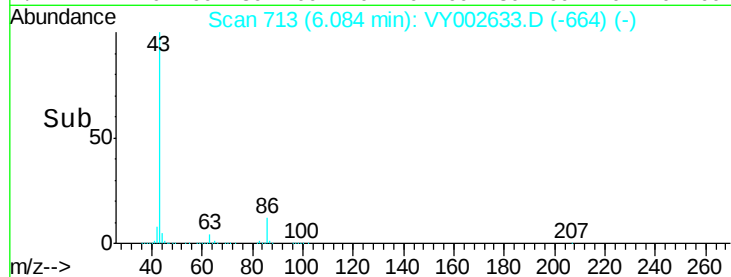
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.720 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

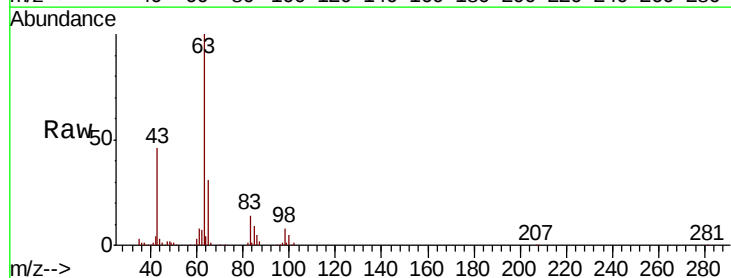
Tgt Ion: 63 Resp: 286969

Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY002513.D (-692) (-)

Ion 97.90 (97.60 to 98.60): VY002513.D (-692) (-)

Ion 99.90 (99.60 to 100.60): VY002513.D (-692) (-)

6.05

120000

100000

80000

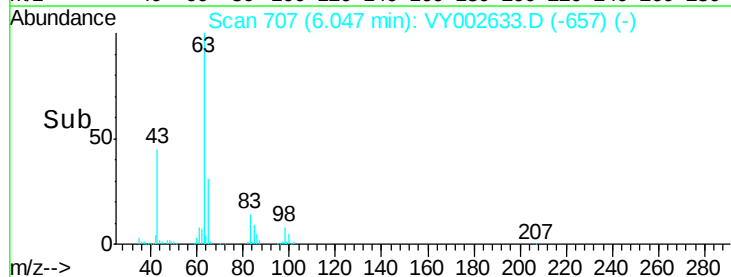
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 236.237 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 243284

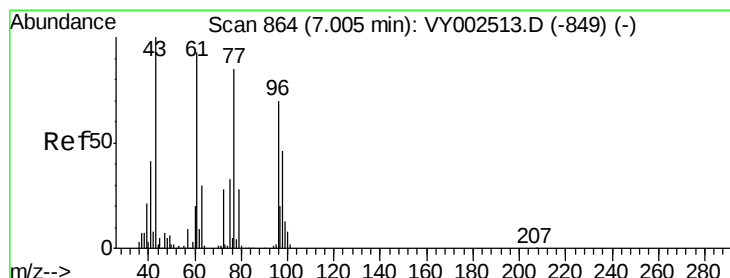
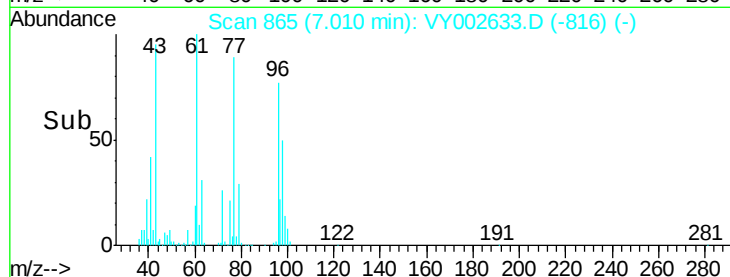
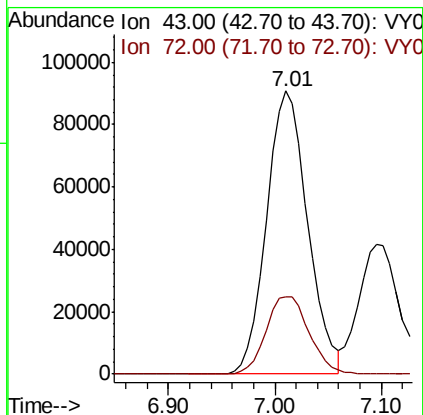
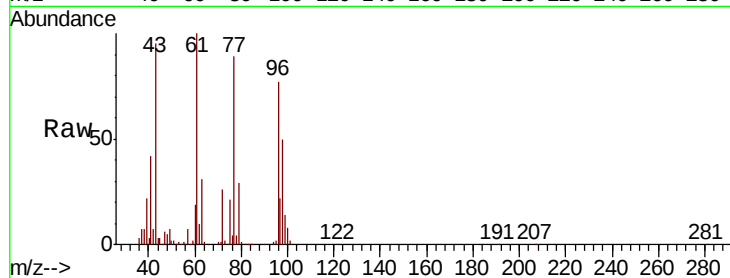
Ion Ratio Lower Upper

43 100

72 27.3 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:48 PM



#26

2,2-Dichloropropane

Concen: 51.021 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002633.D

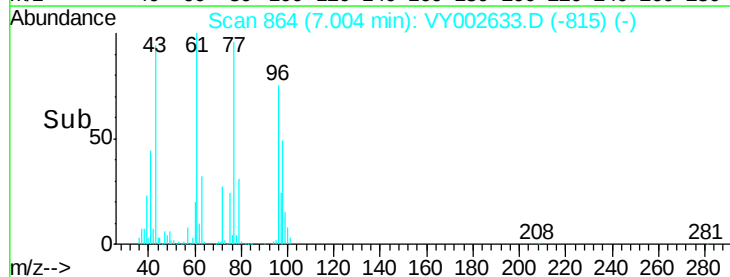
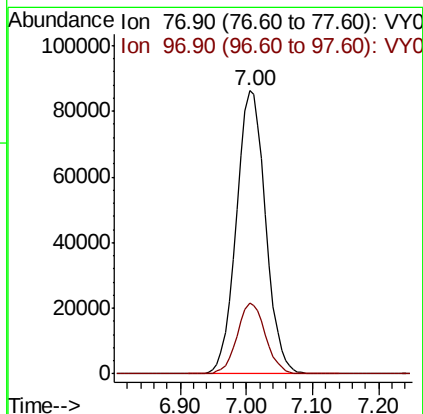
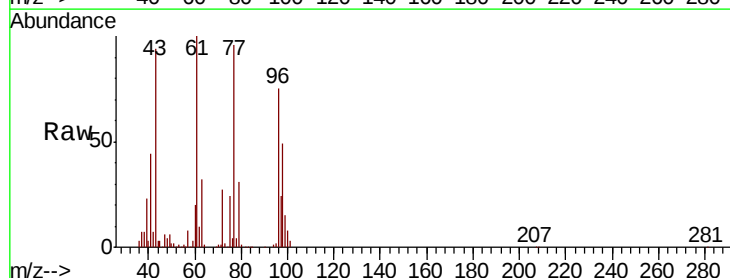
Acq: 08 May 2020 10:37

Tgt Ion: 77 Resp: 263983

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.5





#27

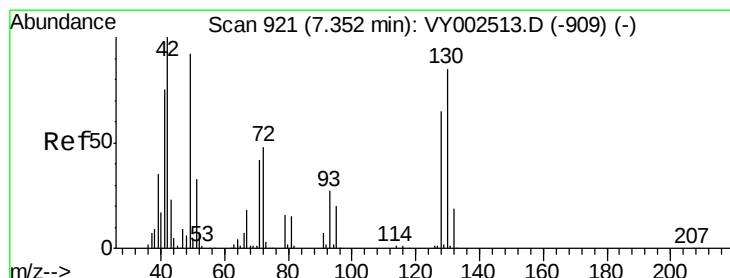
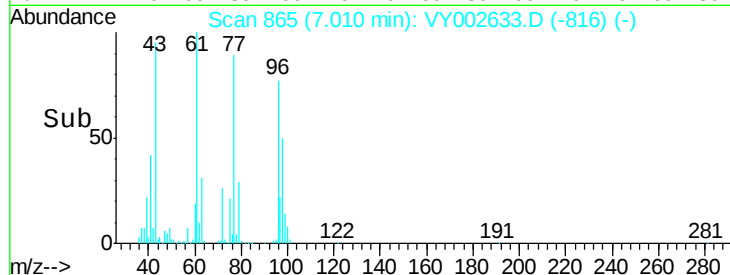
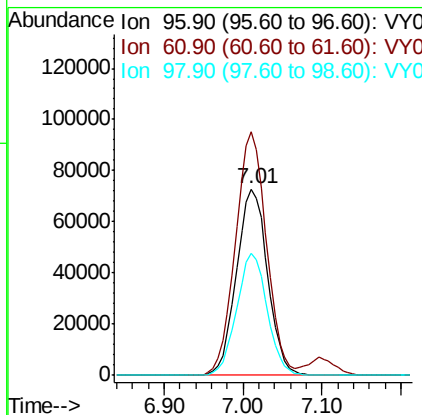
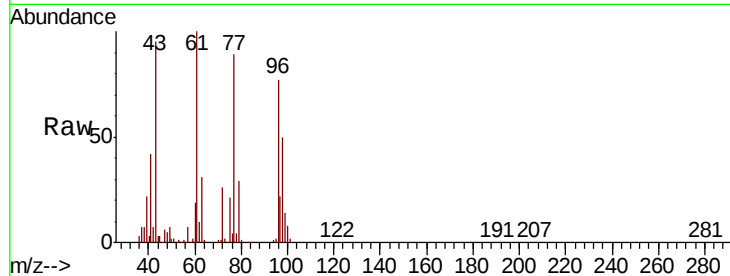
cis-1,2-Dichloroethene
 Concen: 53.018 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200113		
61	130.3		0.0	266.6
98	64.2		0.0	129.2

Manual Integrations
 APPROVED

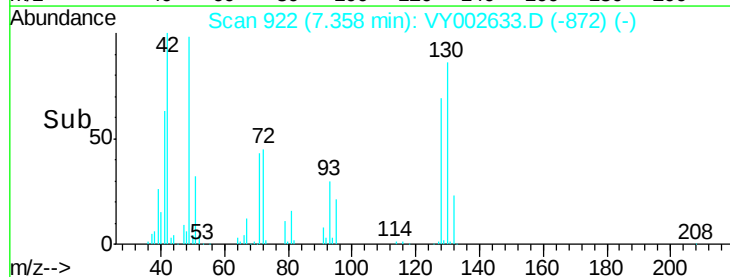
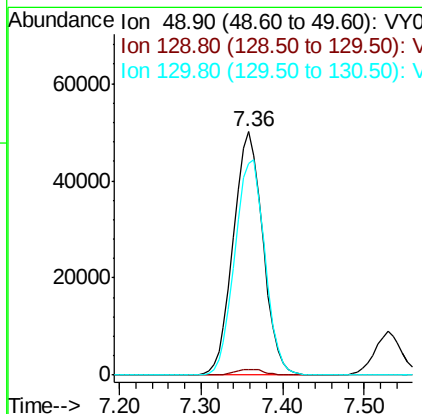
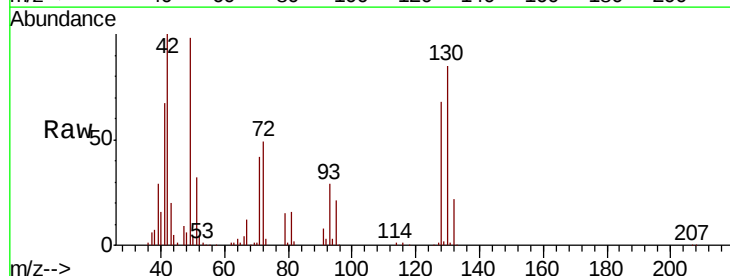
MMDadoda
 5/11/2020 1:00:48 PM

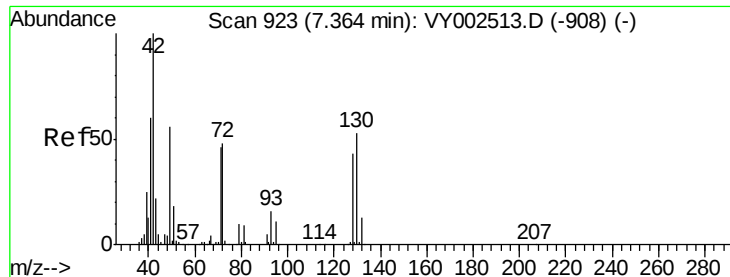


#28

Bromochloromethane
 Concen: 56.373 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125725		
129	2.4		0.0	4.8
130	90.2		72.5	108.7





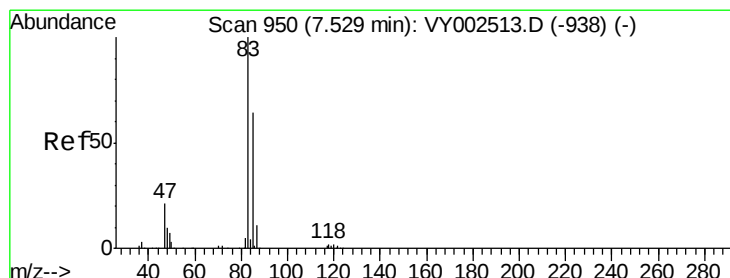
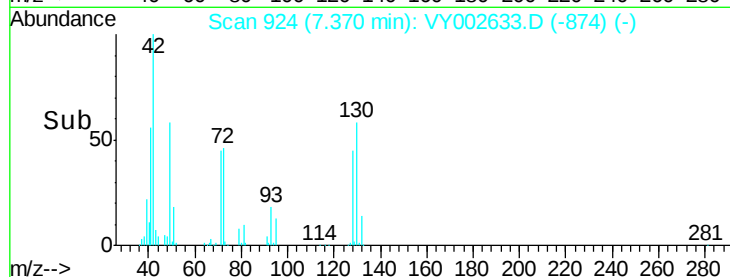
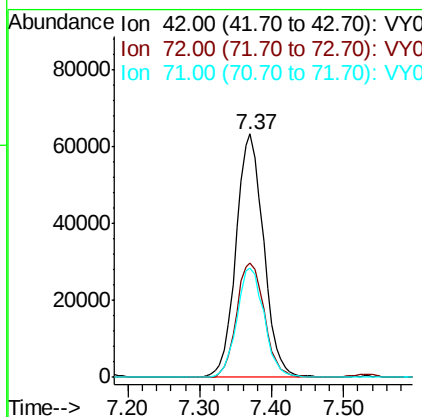
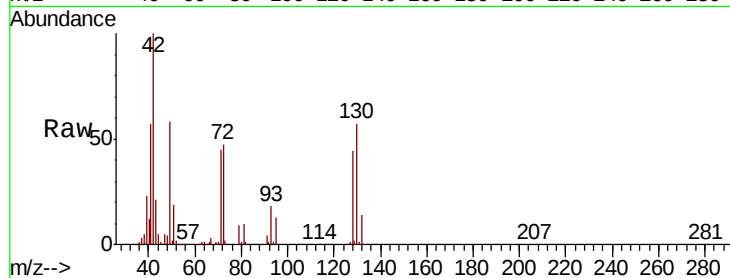
#29
Tetrahydrofuran
Concen: 247.539 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	168661
Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.4	56.2
71	44.2	35.0	52.4

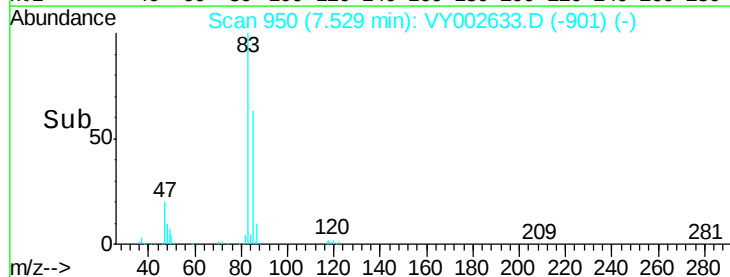
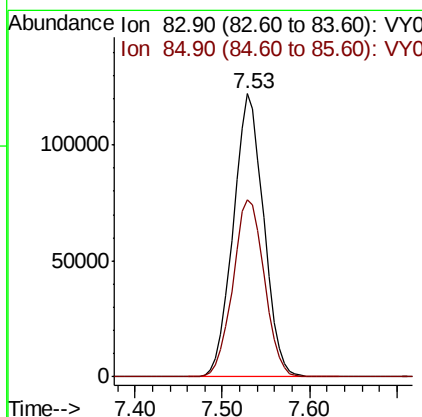
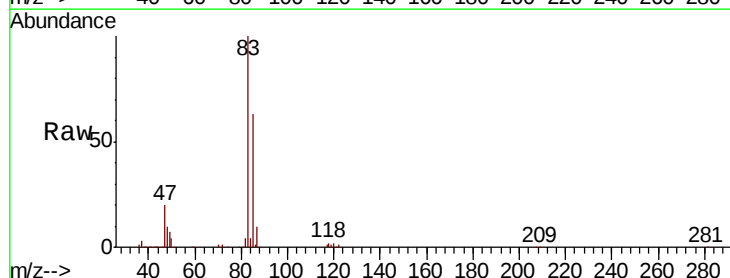
Manual Integrations
APPROVED

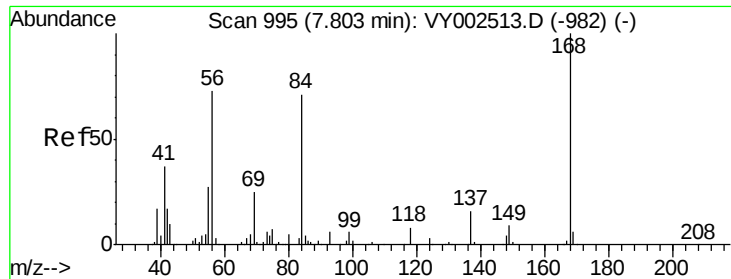
MMDadoda
5/11/2020 1:00:48 PM



#30
Chloroform
Concen: 52.069 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion:	83	Resp:	294698
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3





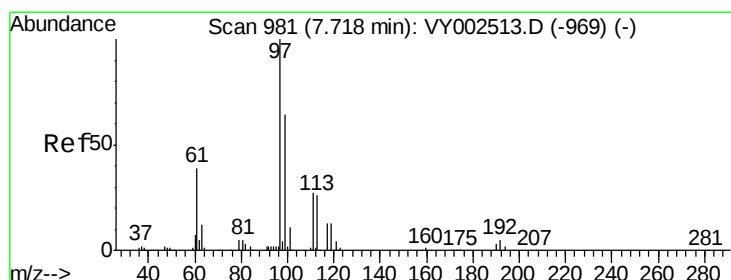
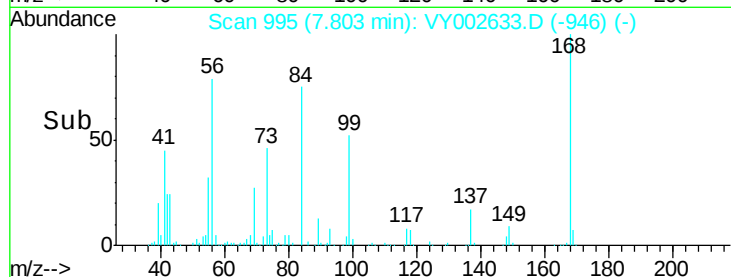
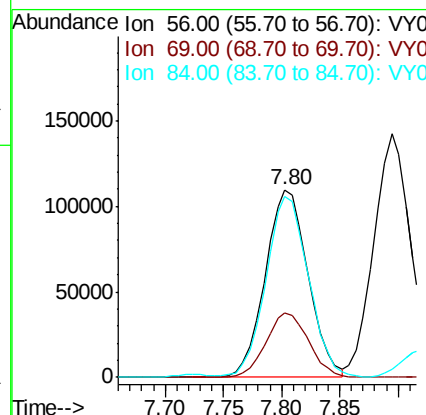
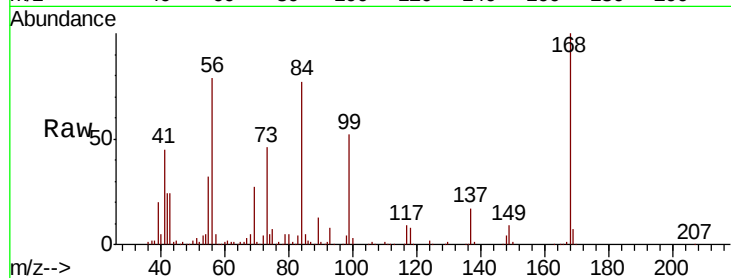
#31
Cyclohexane
Concen: 50.985 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.6	41.4
84	95.2	77.7	116.5

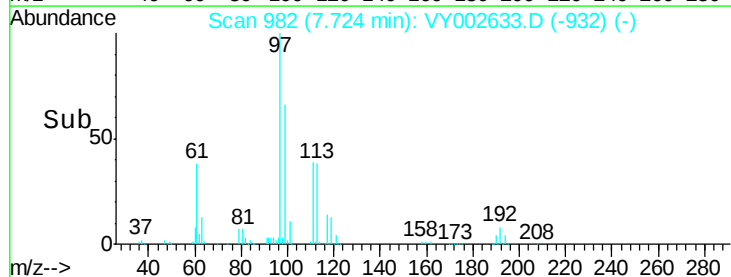
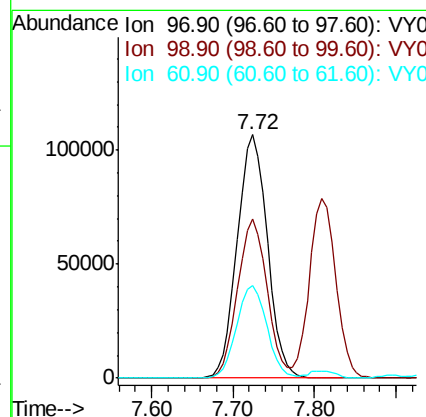
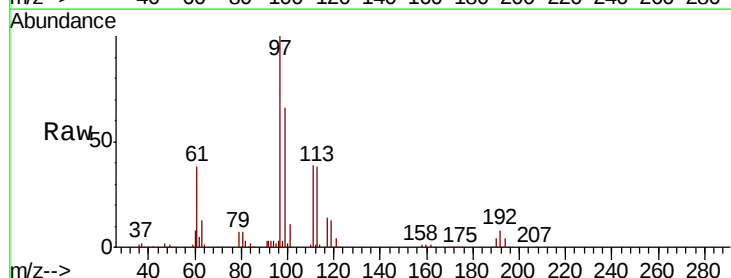
Manual Integrations
APPROVED

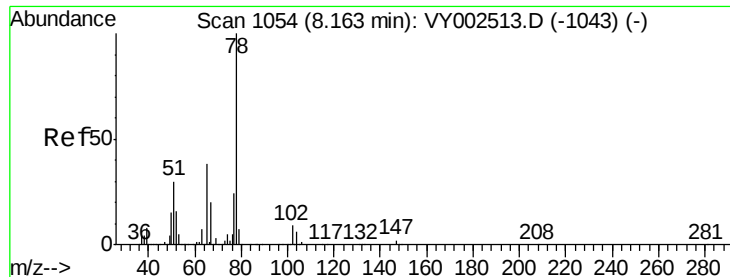
MMDadoda
5/11/2020 1:00:48 PM



#32
1,1,1-Trichloroethane
Concen: 51.850 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	38.3	31.0	46.6





#33

1,2-Dichloroethane-d4

Concen: 51.245 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 156215

Ion Ratio Lower Upper

65 100

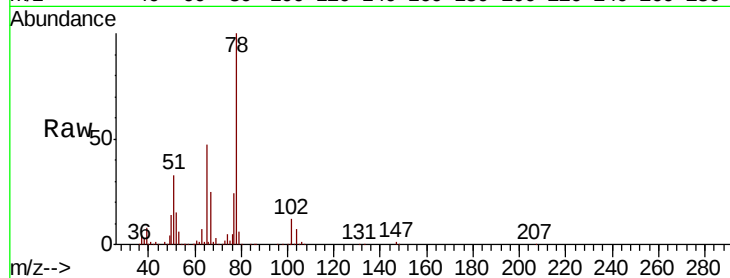
67 53.4 0.0 107.2

Manual Integrations

APPROVED

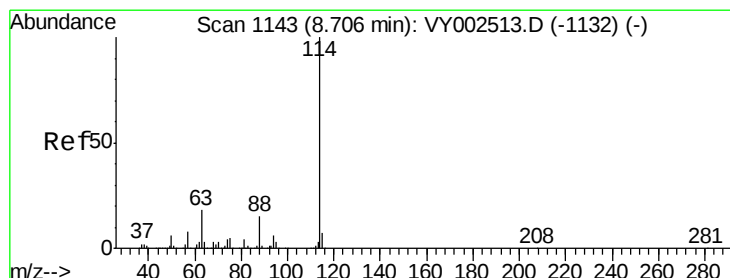
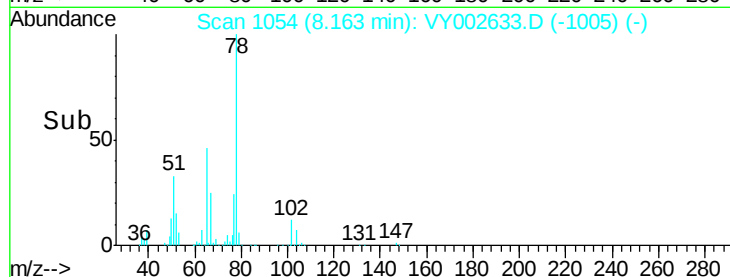
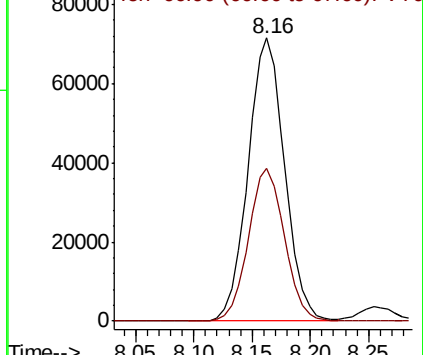
MMDadoda

5/11/2020 1:00:48 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

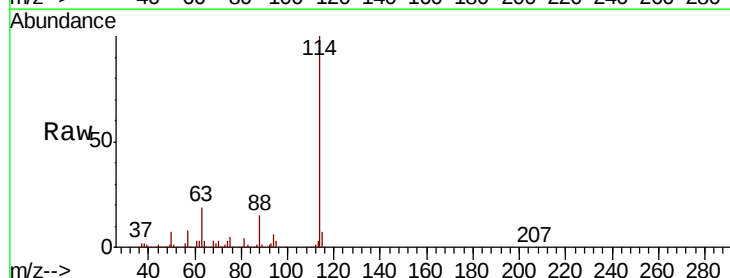
Tgt Ion: 114 Resp: 536417

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

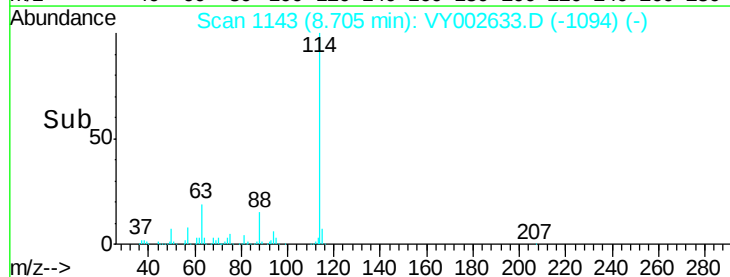
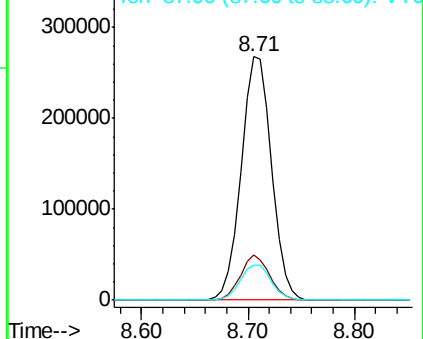
88 14.6 0.0 29.6

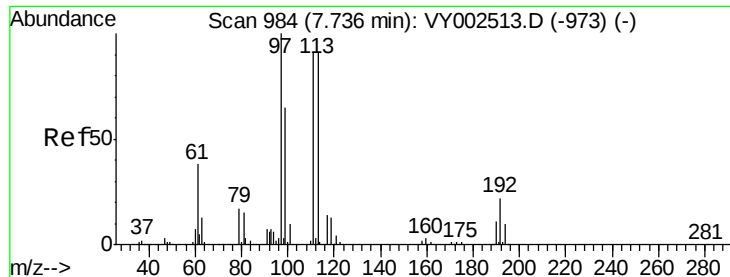


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





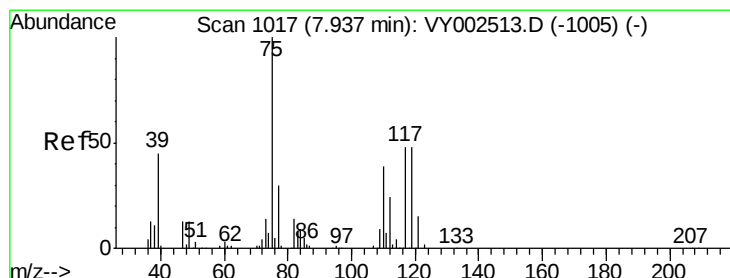
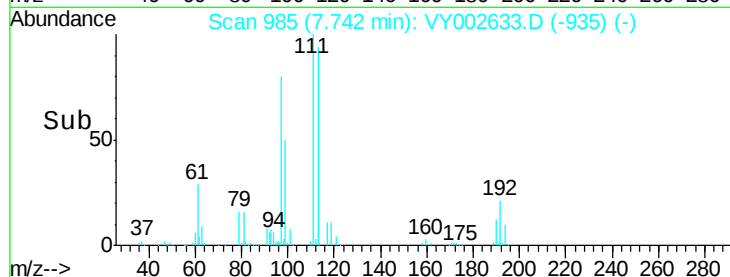
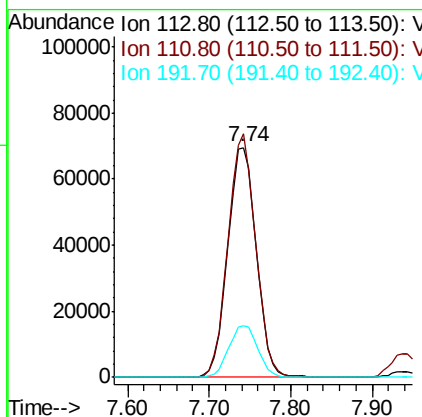
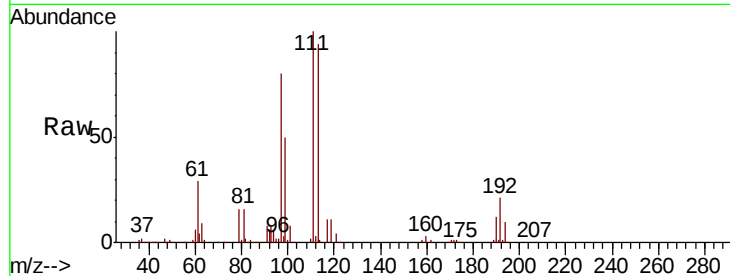
#35
 Dibromofluoromethane
 Concen: 54.641 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.9	18.2	27.4

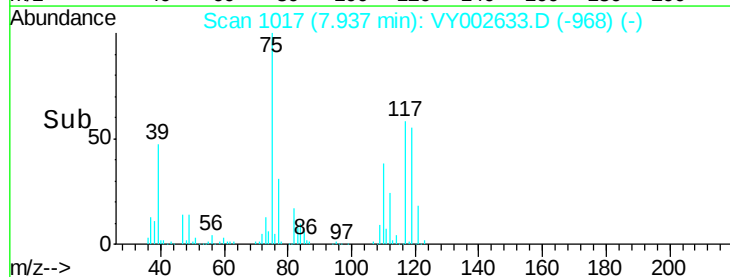
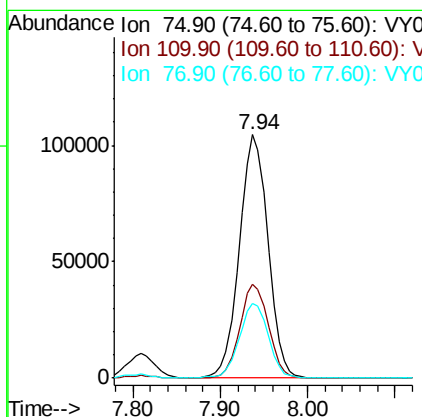
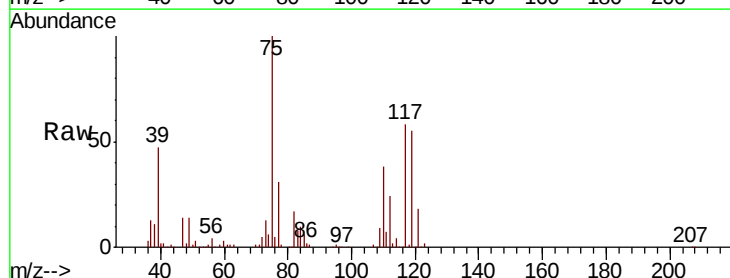
Manual Integrations
 APPROVED

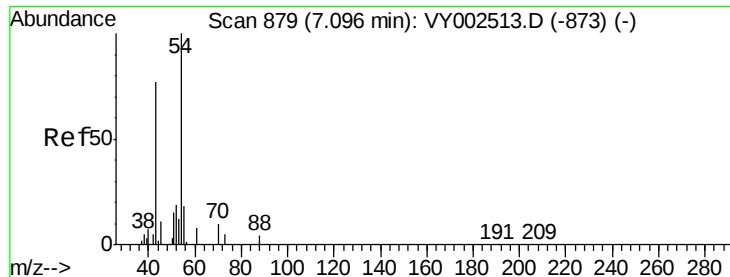
MMDadoda
 5/11/2020 1:00:48 PM



#36
 1,1-Dichloropropene
 Concen: 52.989 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	31.2	24.6	37.0





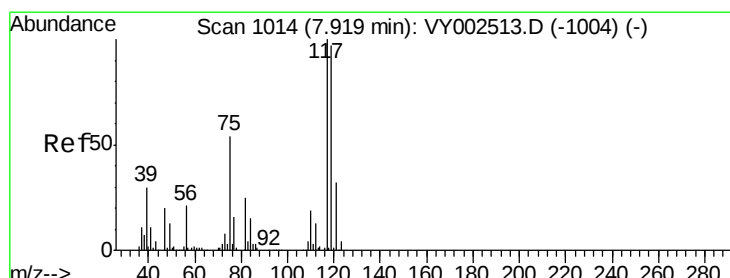
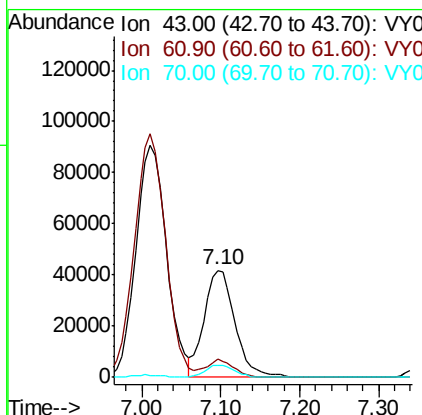
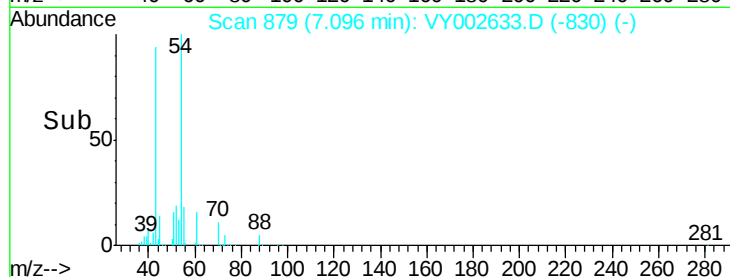
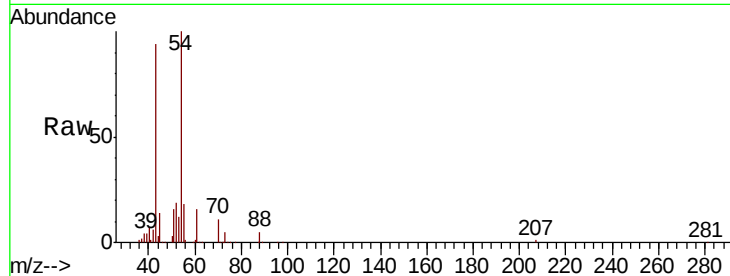
#37
Ethyl Acetate
Concen: 49.491 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	114365
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.6	17.4
70	11.0	9.0	13.6

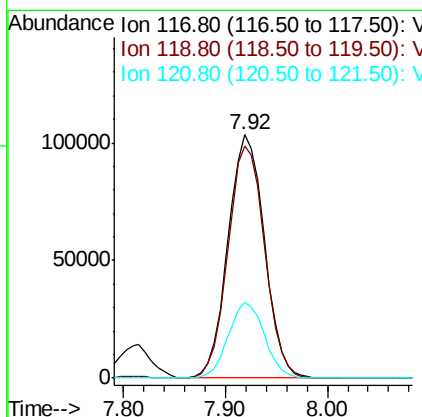
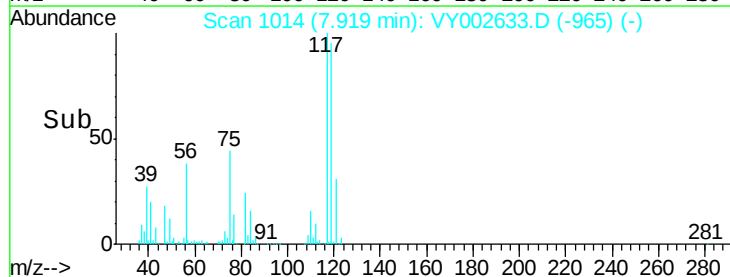
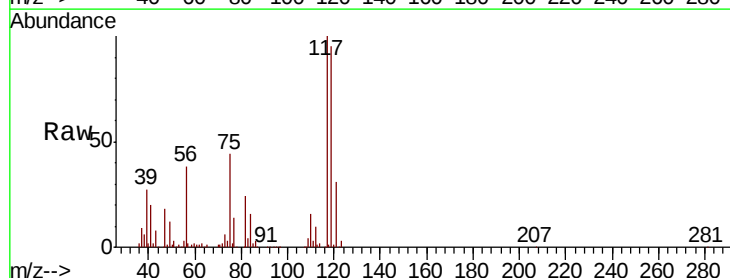
Manual Integrations
APPROVED

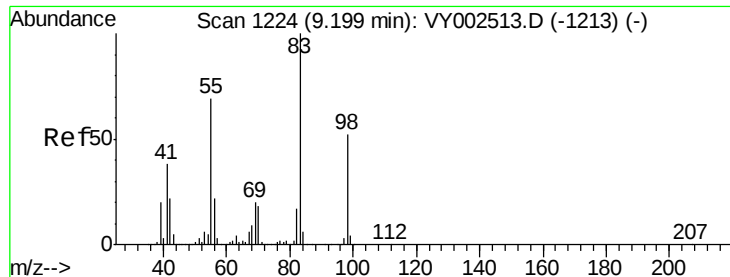
MMDadoda
5/11/2020 1:00:48 PM



#38
Carbon Tetrachloride
Concen: 52.165 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	117	Resp	256101
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.1	115.7
121	31.0	25.2	37.8





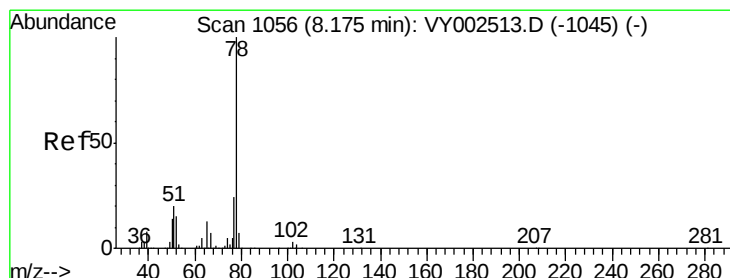
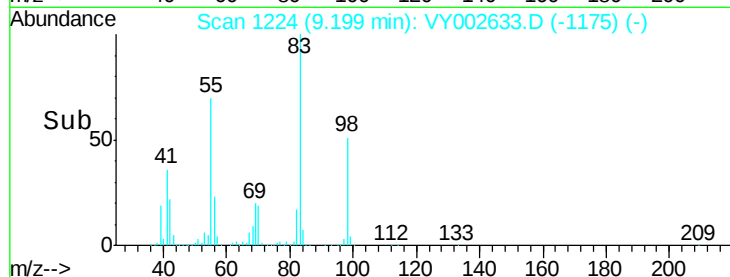
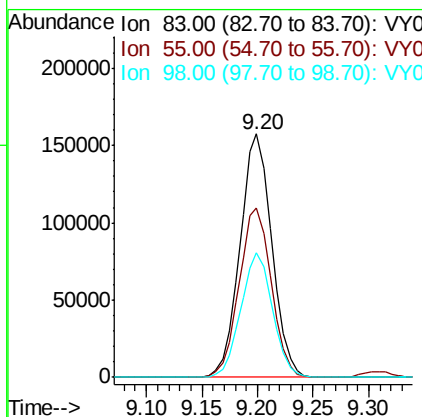
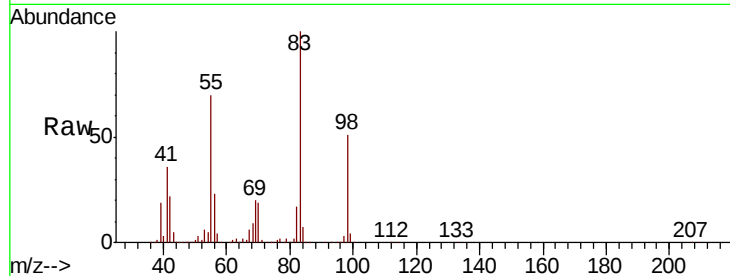
#39
Methvlcvclohexane
Concen: 52.512 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	55.4	83.0
98	51.2	41.3	61.9

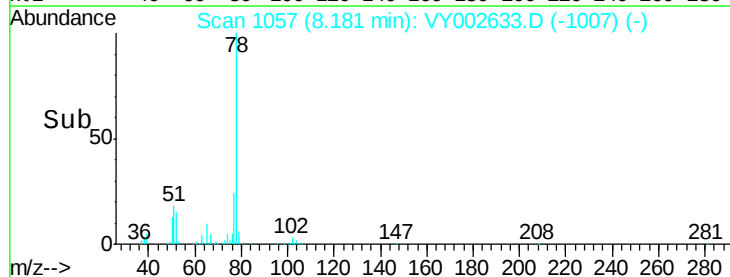
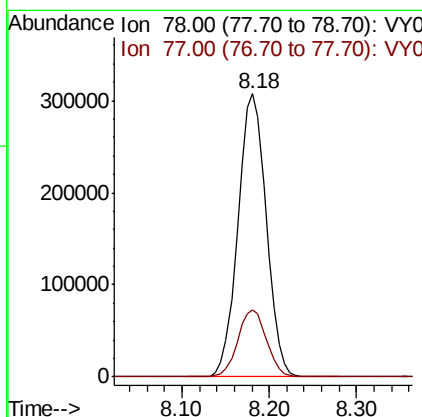
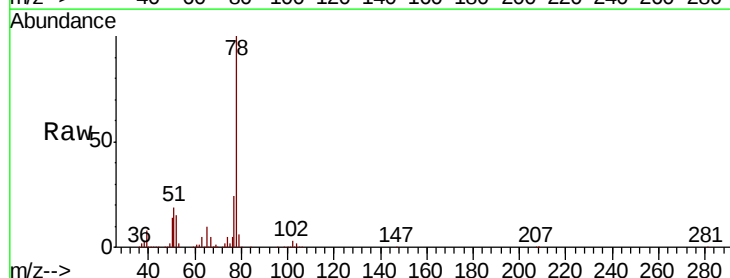
Manual Integrations
APPROVED

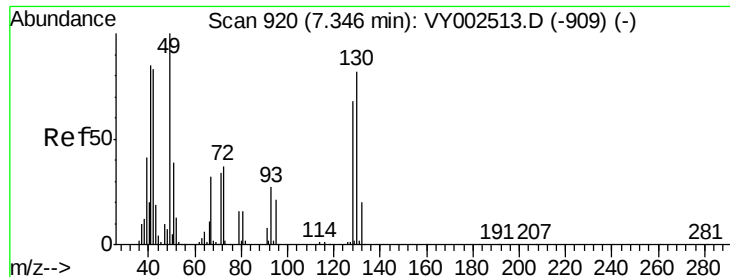
MMDadoda
5/11/2020 1:00:48 PM



#40
Benzene
Concen: 53.122 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





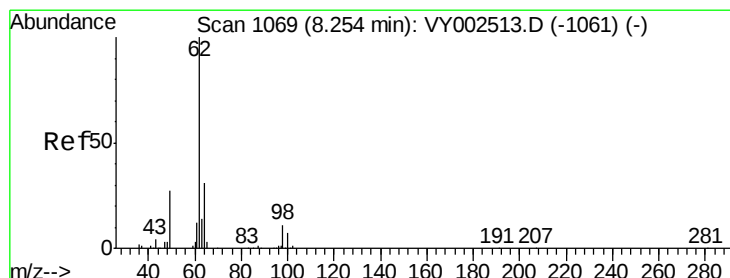
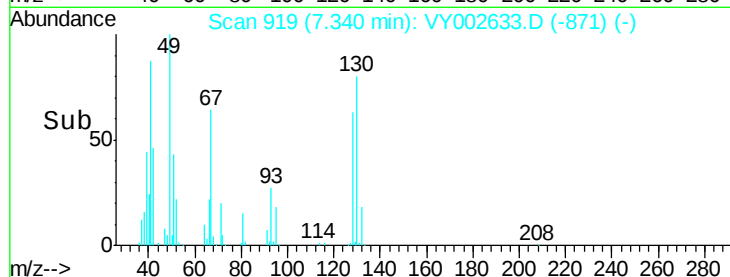
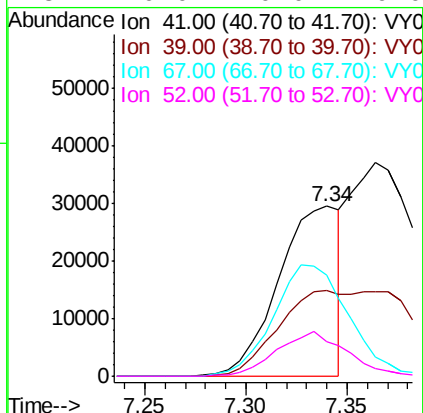
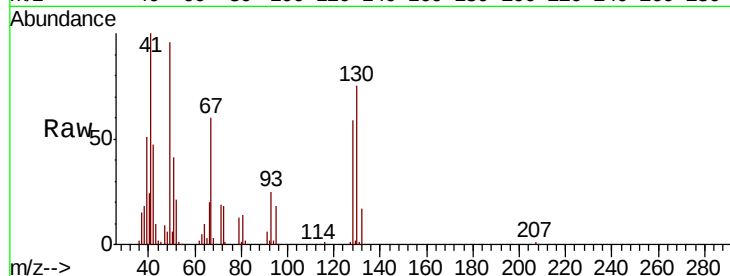
#41
Methacrylonitrile
Concen: 50.931 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	63279
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

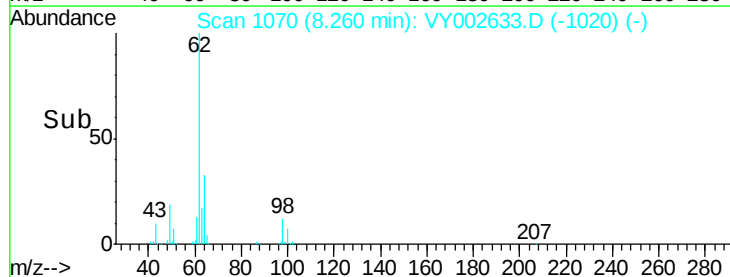
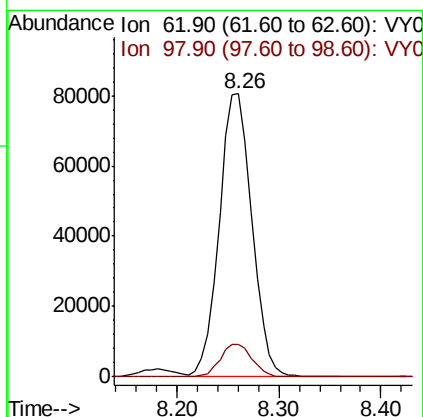
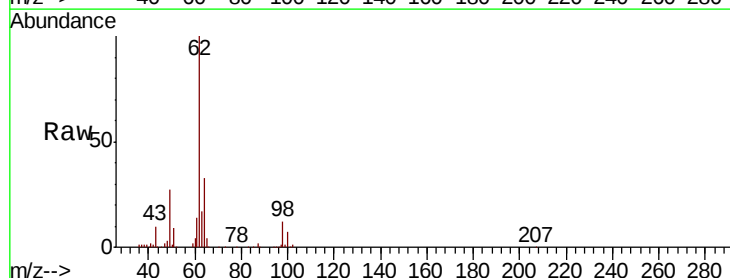
Manual Integrations
APPROVED

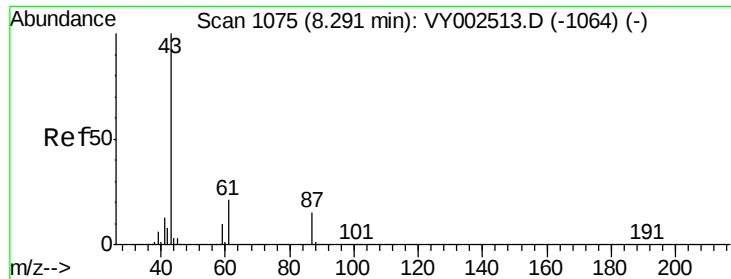
MMDadoda
5/11/2020 1:00:48 PM



#42
1,2-Dichloroethane
Concen: 49.052 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion:	62	Resp:	178699
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0





#43

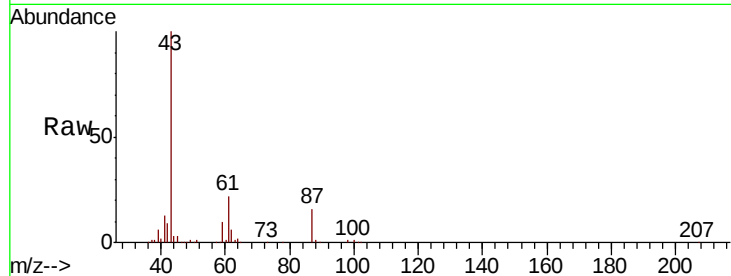
Isopropyl Acetate
 Concen: 49.871 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

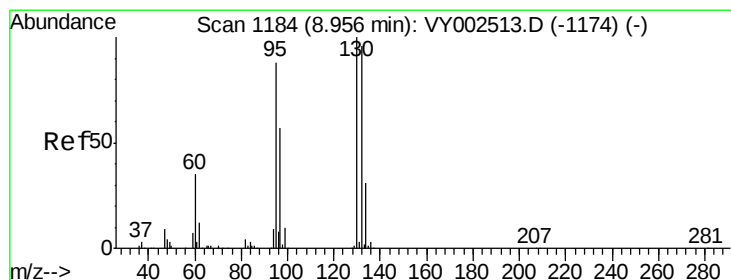
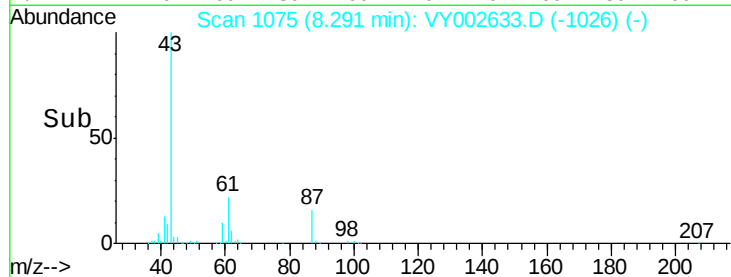
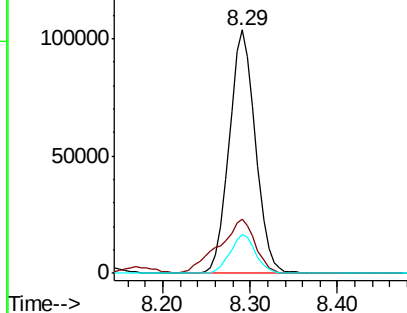
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.8	37.2
87	15.6	12.2	18.2

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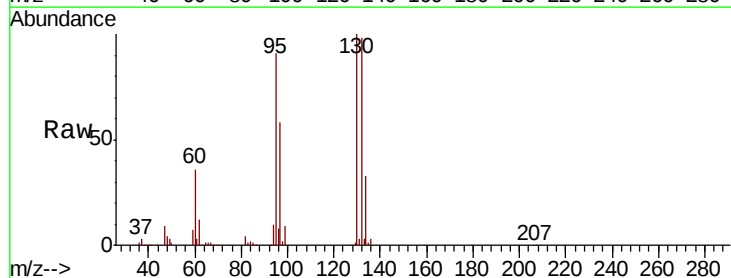
Abundance Ion 43.00 (42.70 to 43.70): VY002633.D (-1064) (-)
 Ion 61.00 (60.70 to 61.70): VY002633.D (-1064) (-)
 Ion 87.00 (86.70 to 87.70): VY002633.D (-1064) (-)



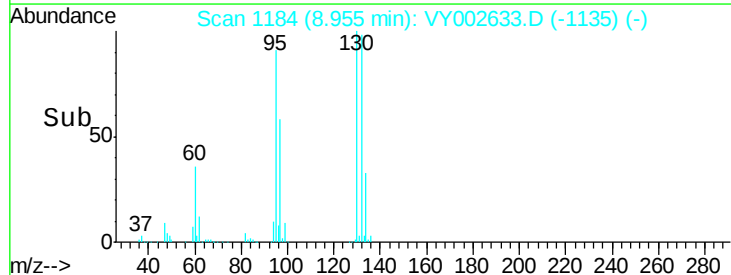
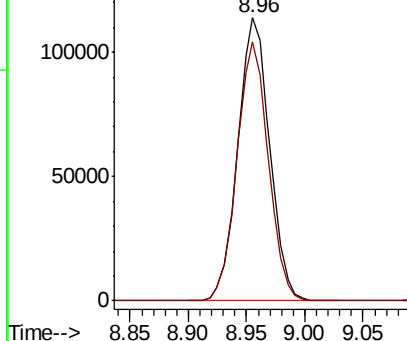
#44

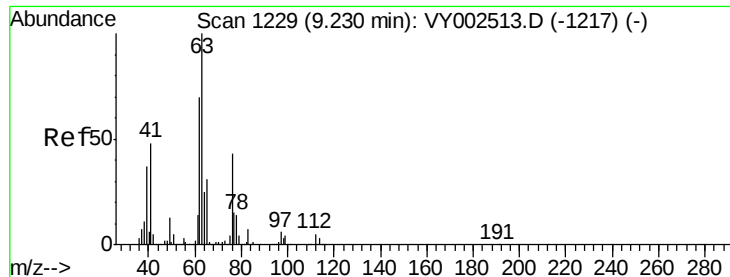
Trichloroethene
 Concen: 53.612 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002633.D (-1135) (-)
 Ion 94.90 (94.60 to 95.60): VY002633.D (-1135) (-)





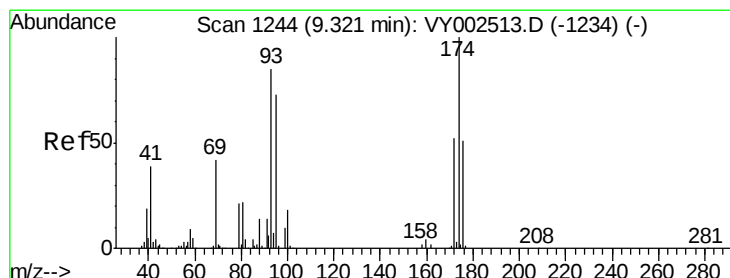
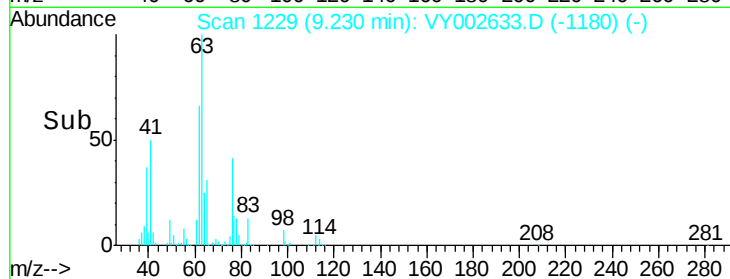
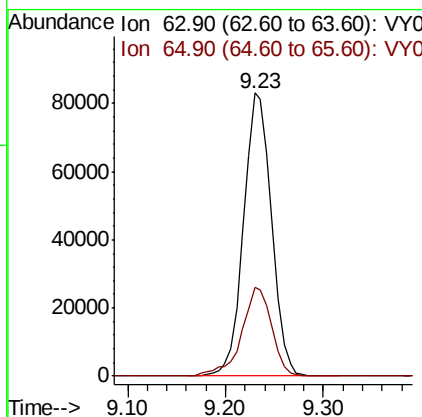
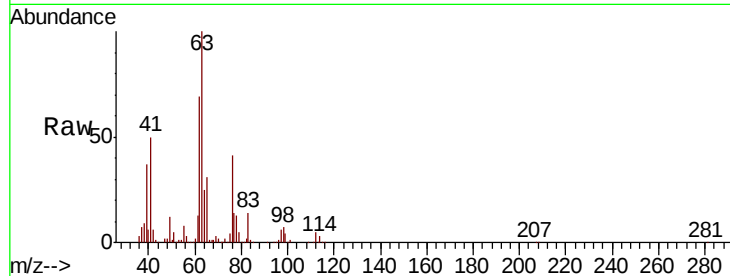
#45
 1,2-Dichloropropane
 Concen: 52.367 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.5	36.7

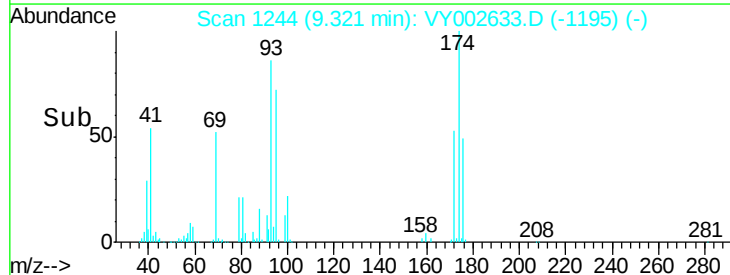
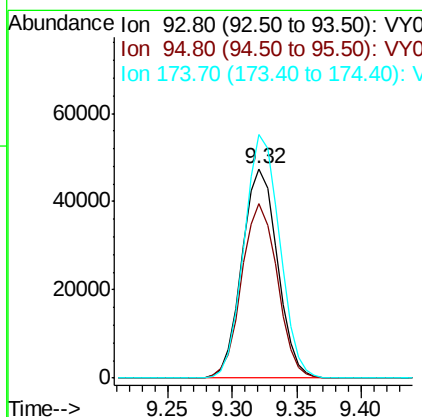
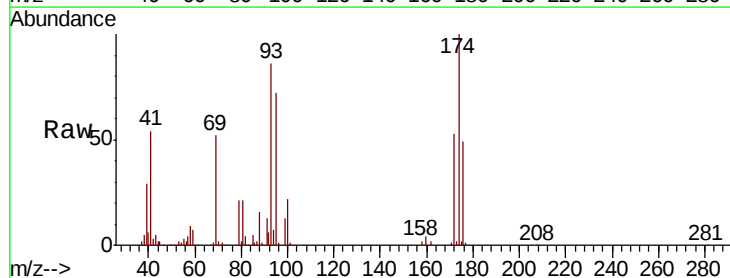
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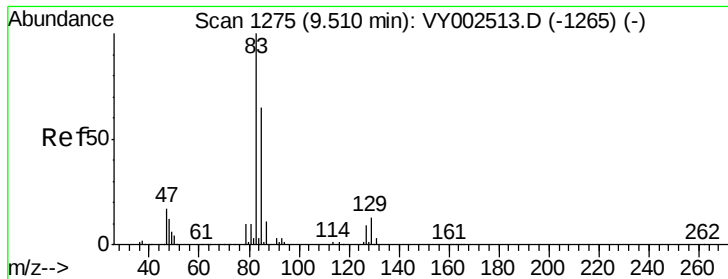
MMDadoda
 5/11/2020 1:00:48 PM



#46
 Dibromomethane
 Concen: 50.184 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	116.4	92.7	139.1





#47

Bromodichloromethane

Concen: 51.534 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

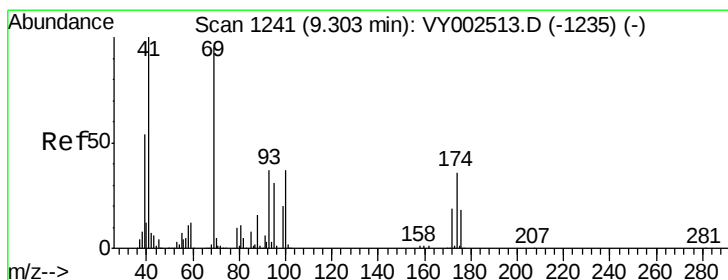
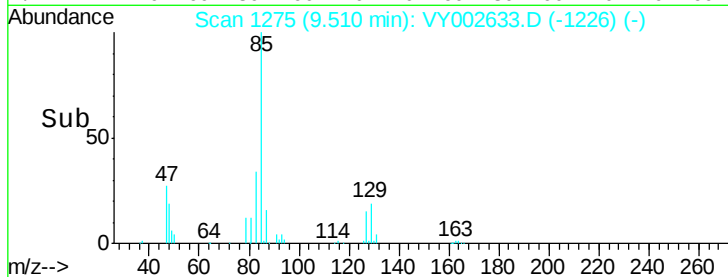
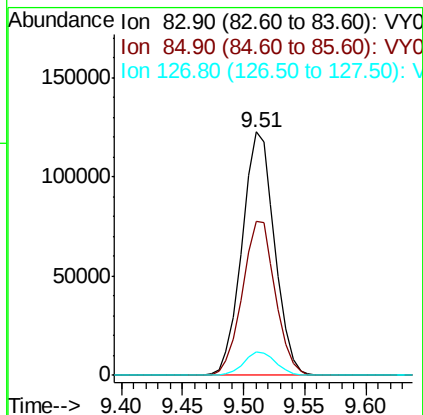
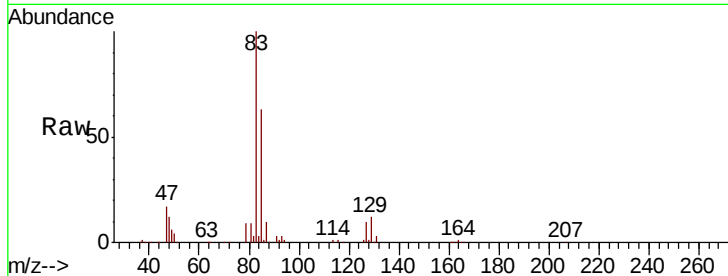
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225989
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.8	77.8
127	9.5	7.4	11.0

Manual Integrations
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5/11/2020 1:00:48 PM



#48

Methyl methacrylate

Concen: 51.723 ug/l

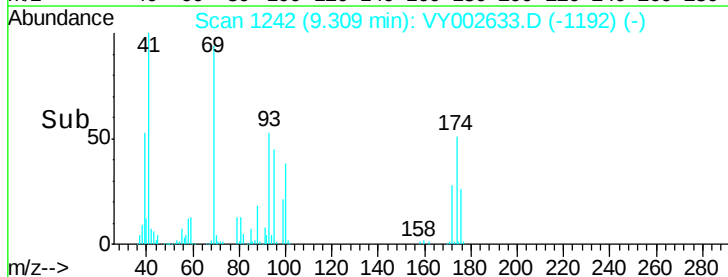
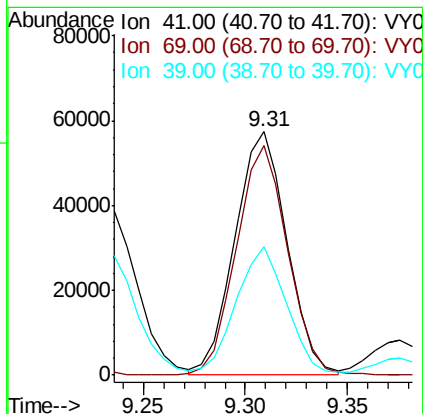
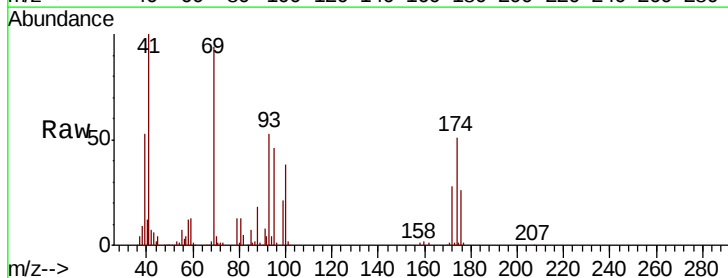
RT: 9.31 min Scan# 1242

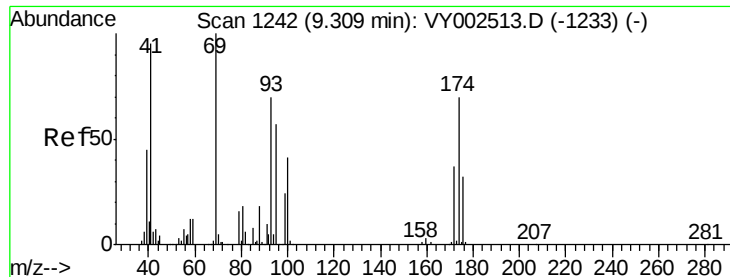
Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion:	41	Resp:	101407
Ion Ratio	Lower	Upper	
41	100		
69	93.1	76.2	114.4
39	51.5	42.7	64.1





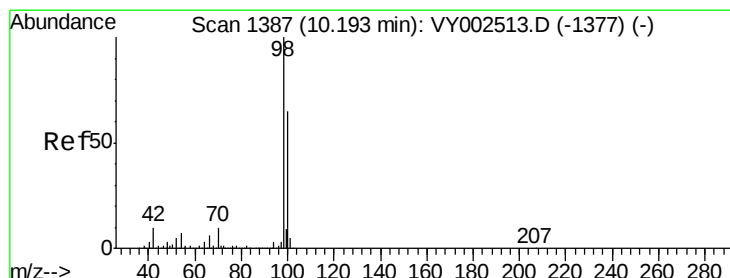
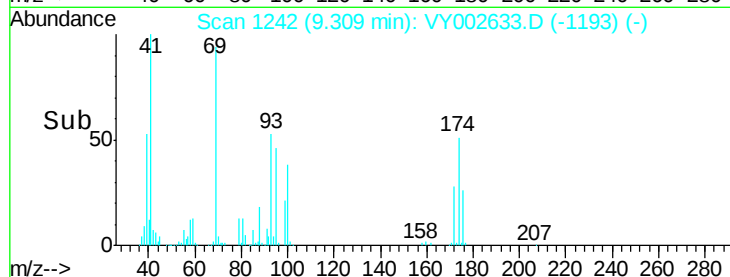
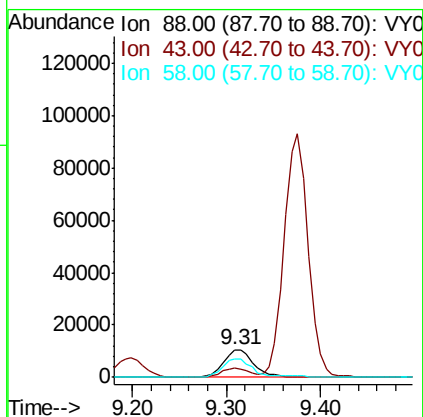
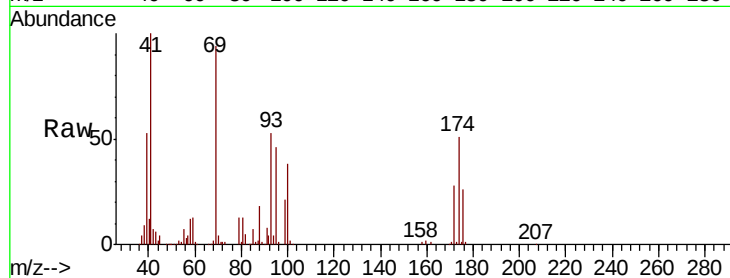
#49
1,4-Dioxane
Concen: 988.113 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.8	34.2
58	66.6	51.4	77.2

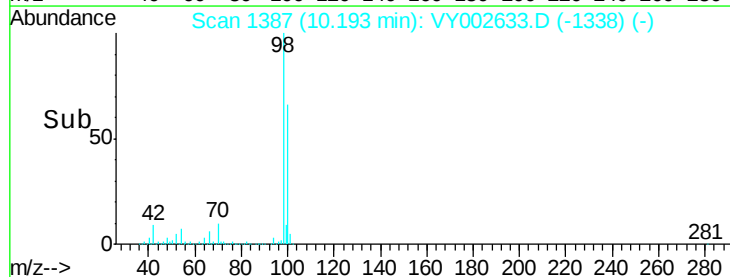
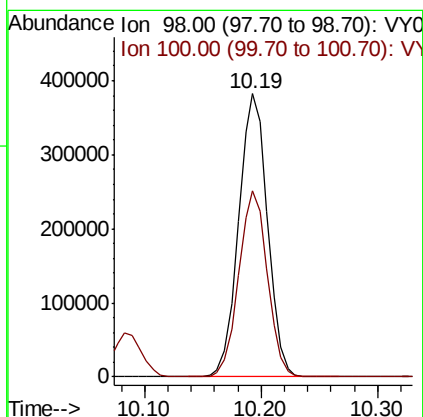
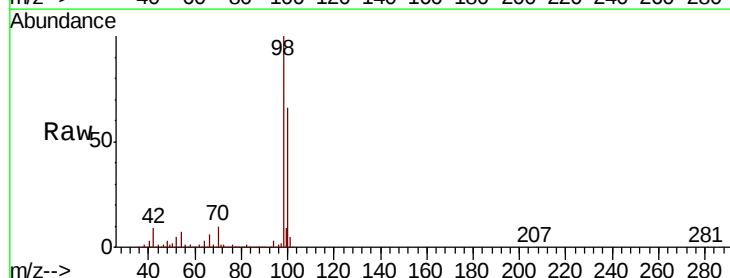
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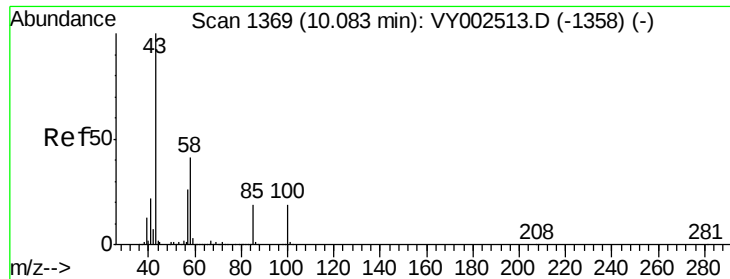
MMDadoda
5/11/2020 1:00:48 PM



#50
Toluene-d8
Concen: 54.908 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 249.039 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 556089

Ion Ratio Lower Upper

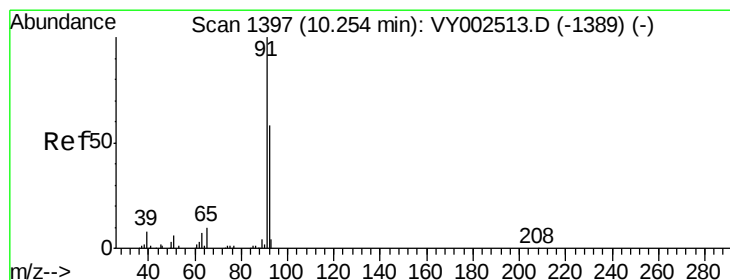
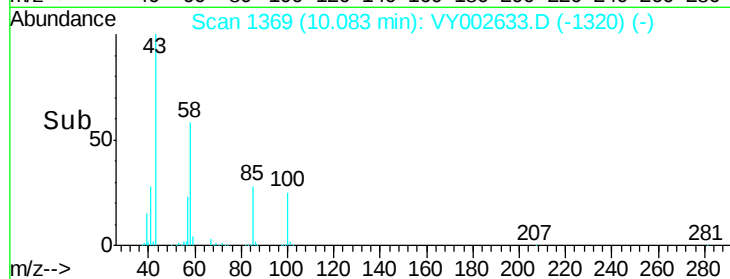
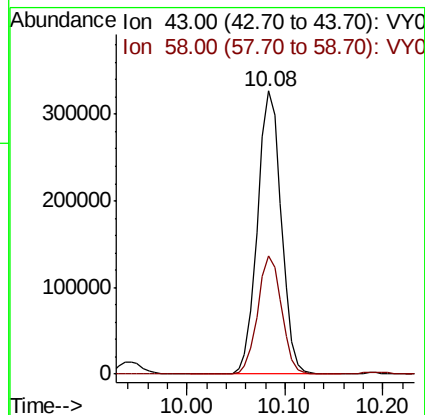
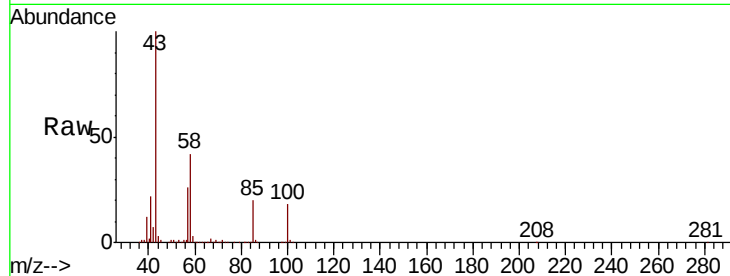
43 100

58 41.8 33.2 49.8

Manual Integrations
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#52

Toluene

Concen: 52.605 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002633.D

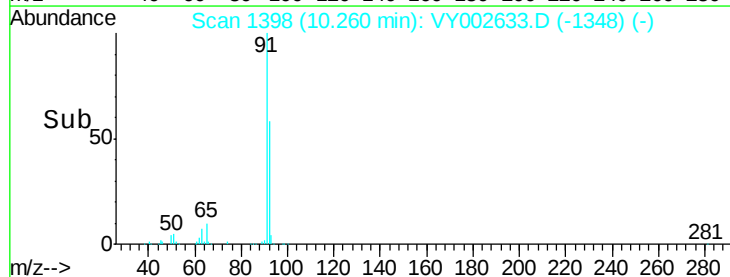
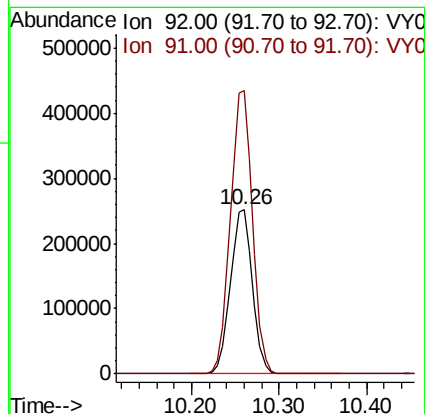
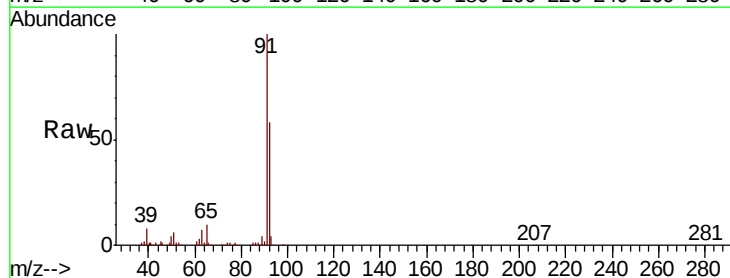
Acq: 08 May 2020 10:37

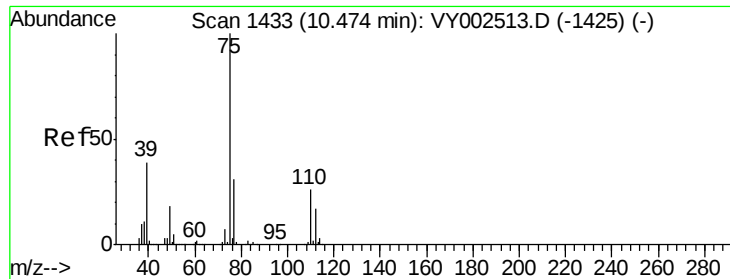
Tgt Ion: 92 Resp: 439092

Ion Ratio Lower Upper

92 100

91 173.4 139.3 208.9





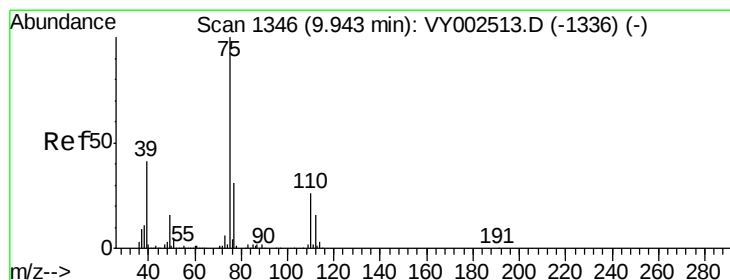
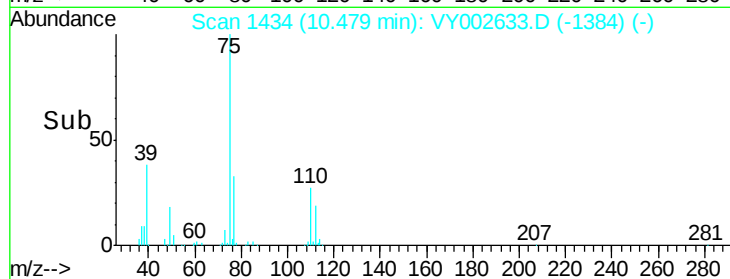
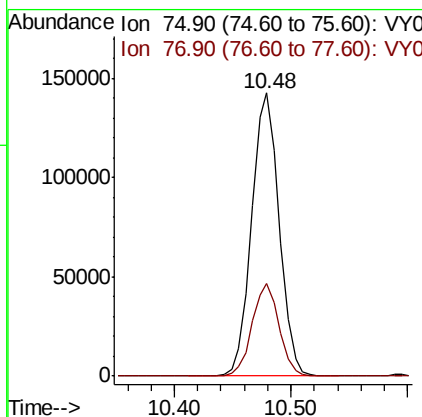
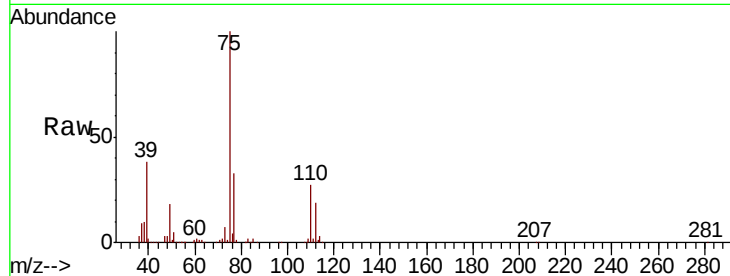
#53
t-1,3-Dichloropropene
Concen: 50.992 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 234290
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.6

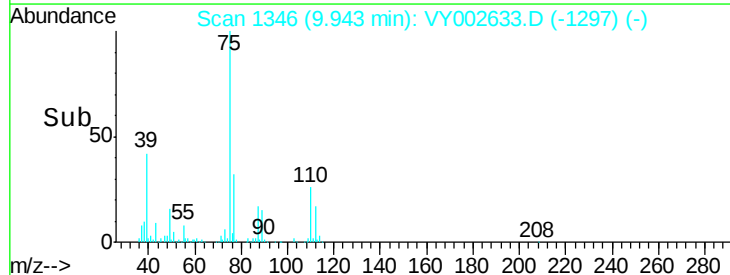
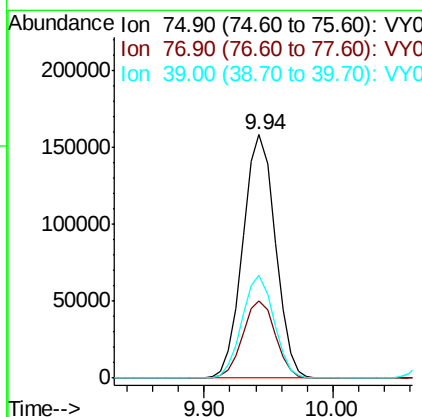
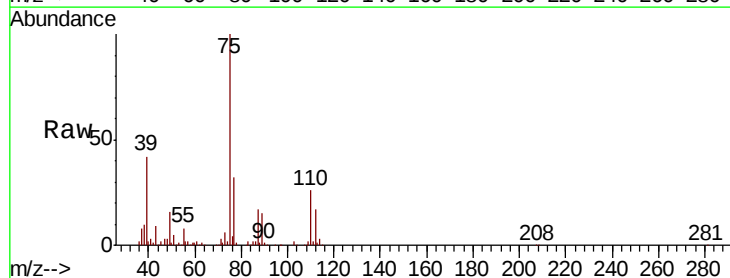
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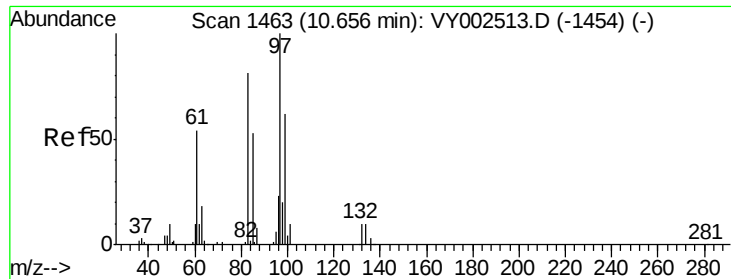
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5/11/2020 1:00:48 PM



#54
cis-1,3-Dichloropropene
Concen: 52.073 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion: 75 Resp: 276593
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 42.1 32.7 49.1





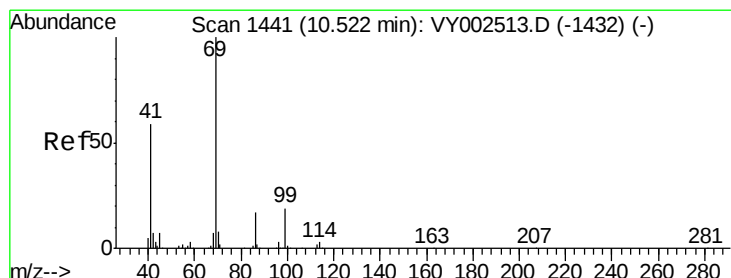
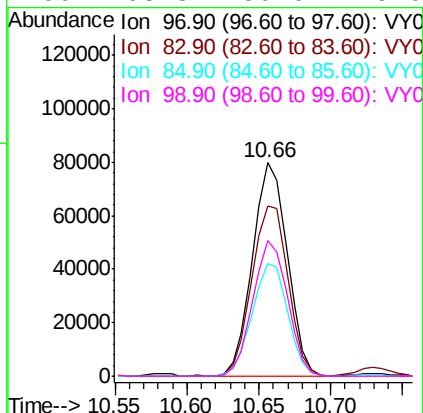
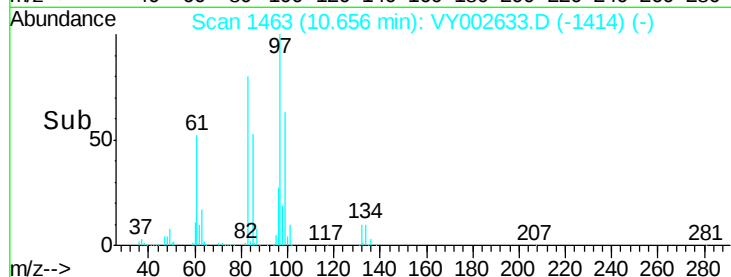
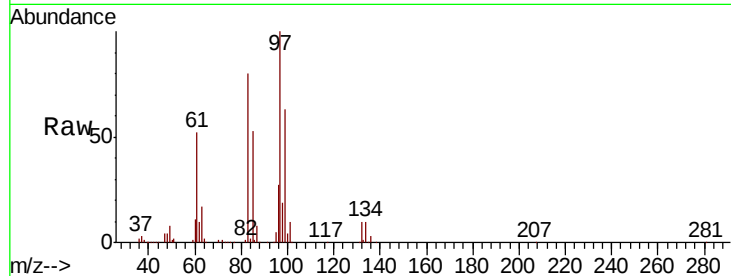
#55
 1,1,2-Trichloroethane
 Concen: 51.043 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	134242
Ion	Ratio	Lower	Upper
97	100		
83	79.7	65.1	97.7
85	52.5	42.7	64.1
99	63.3	50.0	75.0

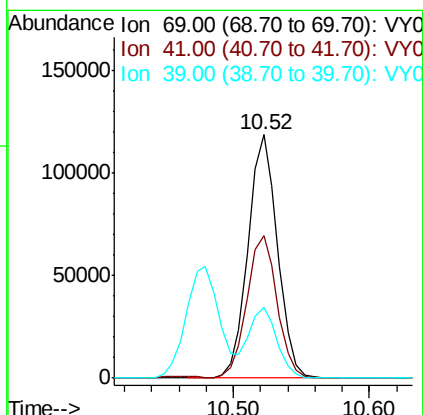
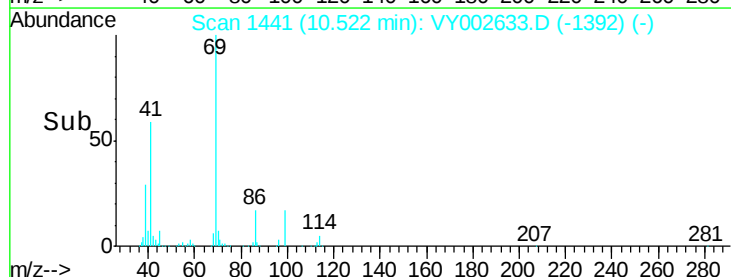
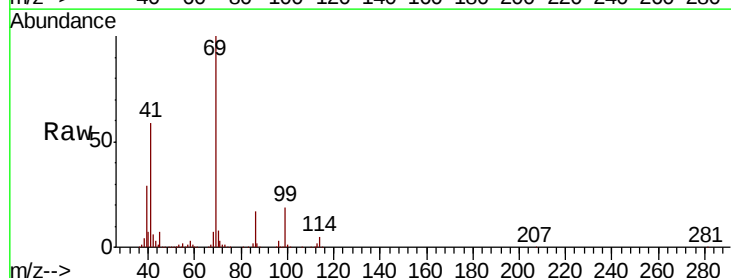
Manual Integrations
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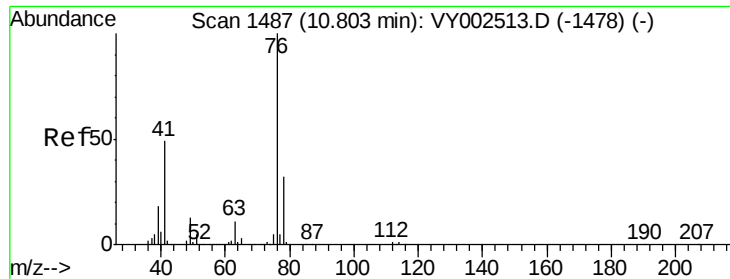
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#56
 Ethyl methacrylate
 Concen: 51.565 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion:	69	Resp:	180411
Ion	Ratio	Lower	Upper
69	100		
41	59.6	48.6	73.0
39	27.2	25.0	37.4





#57

1,3-Dichloropropane

Concen: 50.586 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 225616

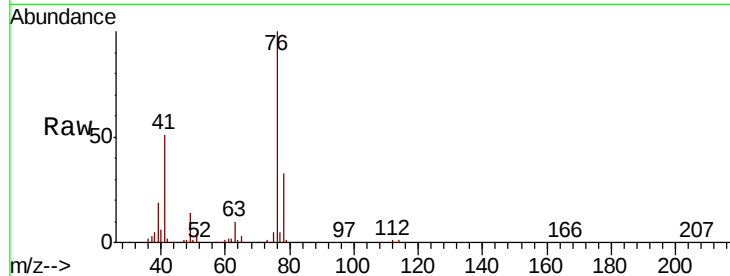
Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.2

Manual Integrations
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MMDadoda
5/11/2020 1:00:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.80

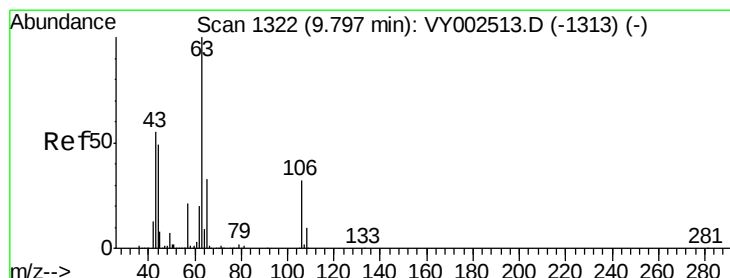
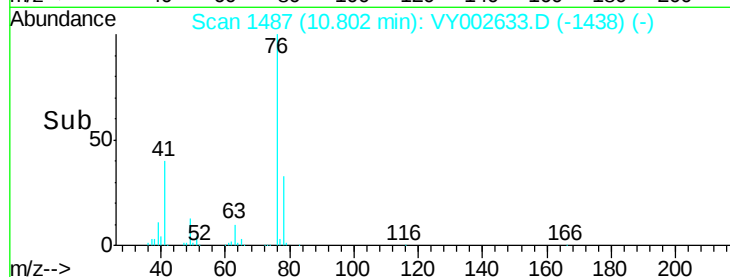
150000

100000

50000

0

Time--> 10.70 10.80 10.90



#58

2-Chloroethyl Vinyl ether

Concen: 254.706 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002633.D

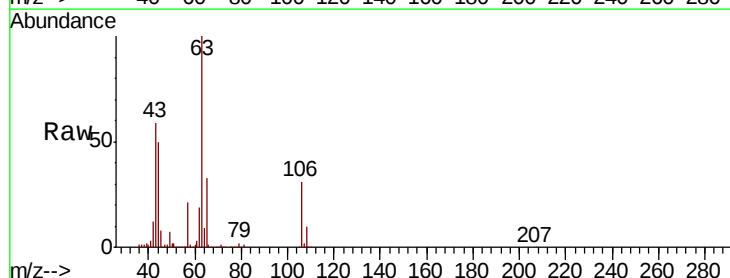
Acq: 08 May 2020 10:37

Tgt Ion: 63 Resp: 469947

Ion Ratio Lower Upper

63 100

106 31.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.80

300000

250000

200000

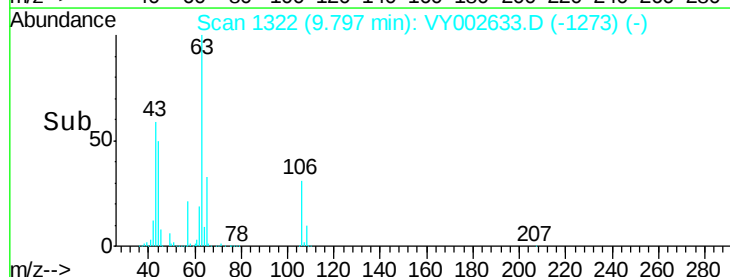
150000

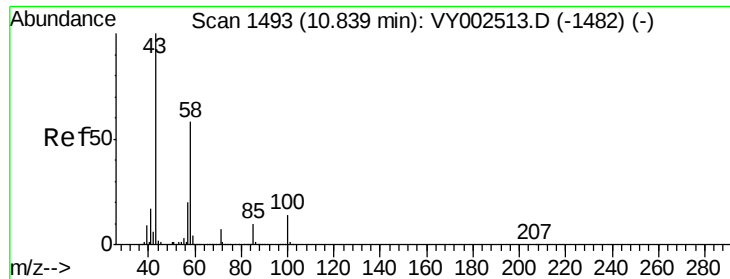
100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90





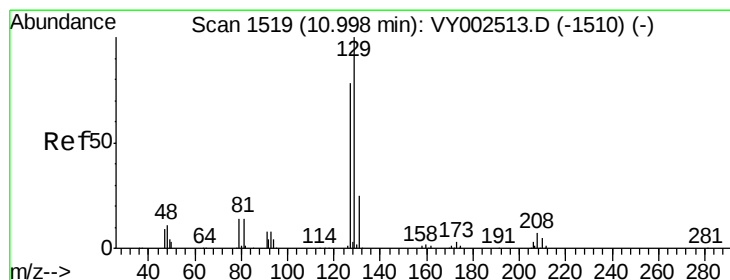
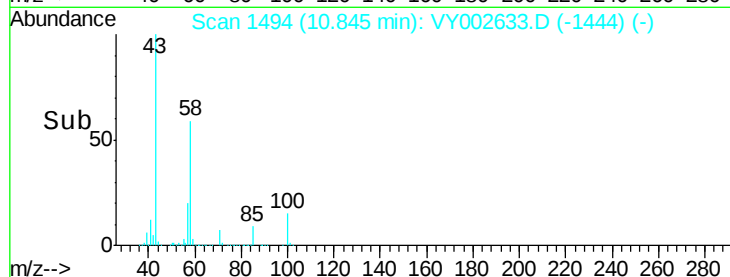
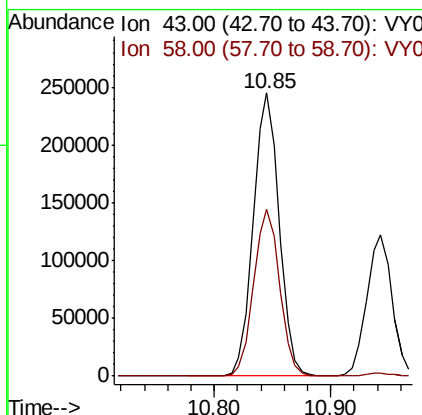
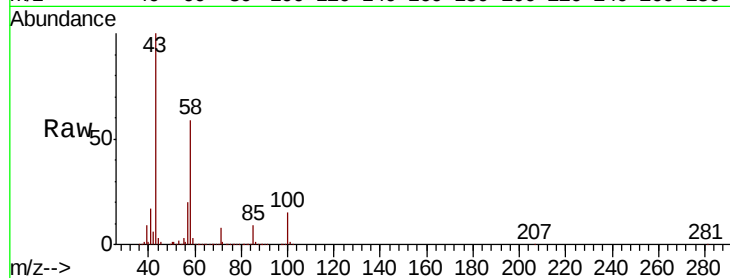
#59
2-Hexanone
Concen: 248.131 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 381344
Ion Ratio Lower Upper
43 100
58 58.9 29.1 87.3

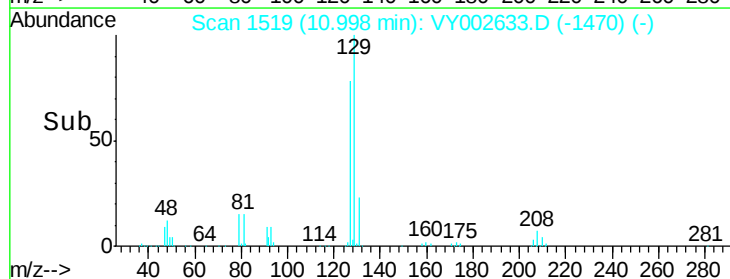
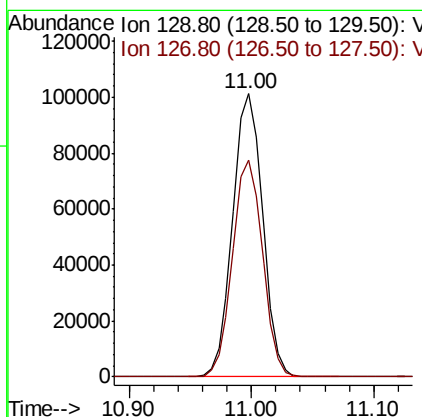
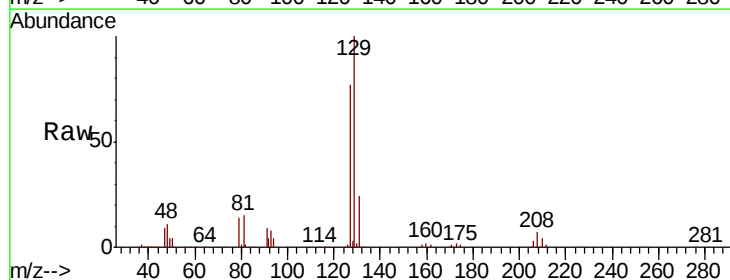
Manual Integrations
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5/11/2020 1:00:48 PM



#60
Dibromochloromethane
Concen: 51.316 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion: 129 Resp: 171652
Ion Ratio Lower Upper
129 100
127 76.6 39.0 117.0





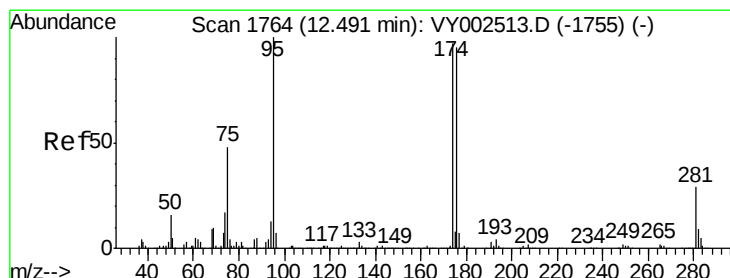
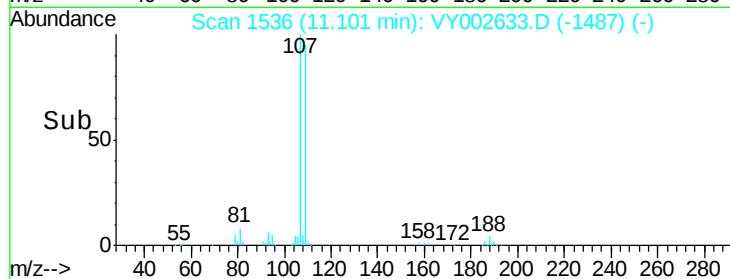
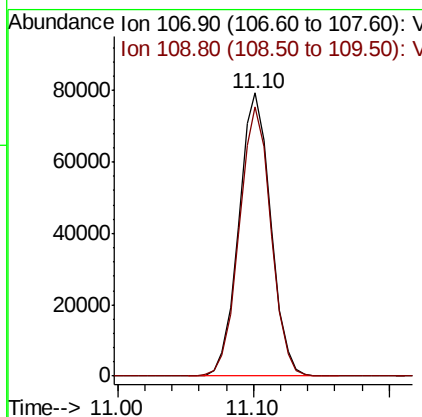
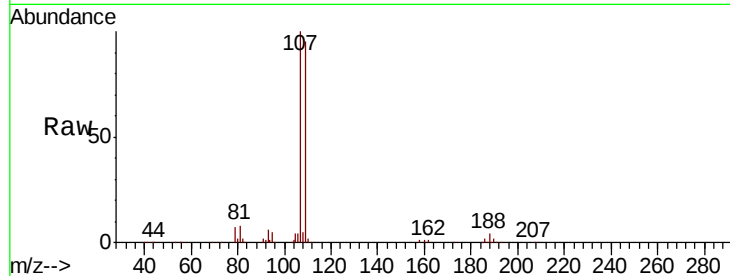
#61
 1,2-Dibromoethane
 Concen: 49.852 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

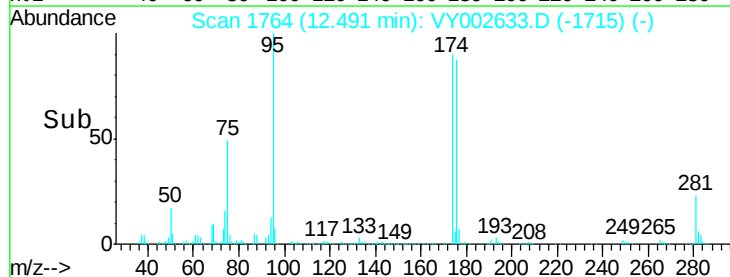
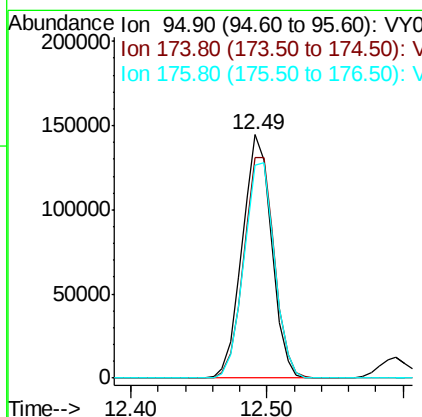
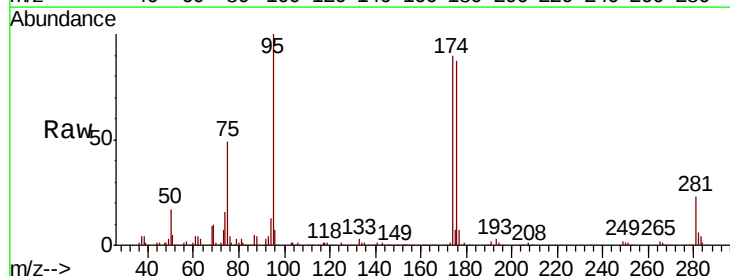
Manual Integrations
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 5/11/2020 1:00:48 PM



#62
 4-Bromofluorobenzene
 Concen: 53.611 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	188.8
176	92.2	0.0	183.2





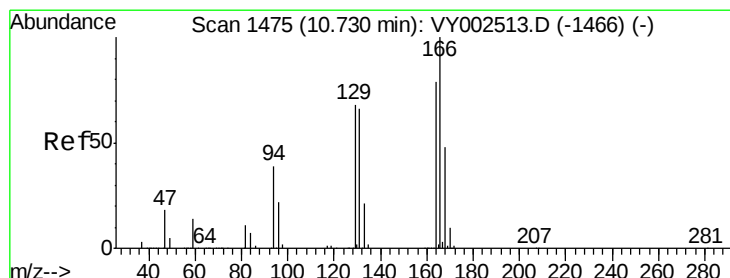
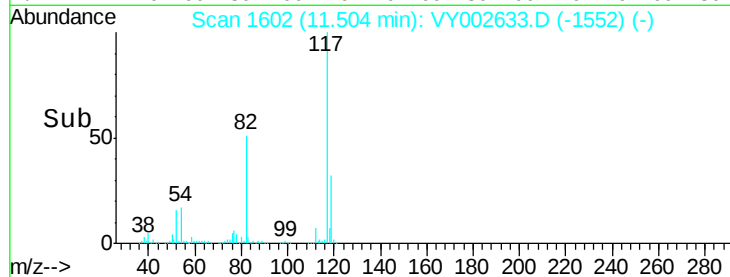
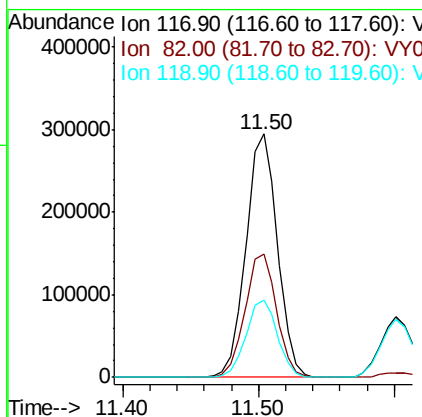
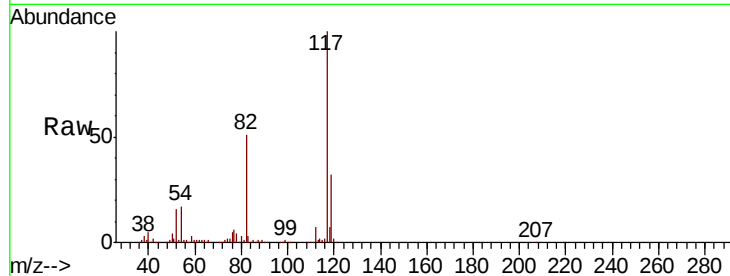
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.3	61.9
119	31.6	26.0	39.0

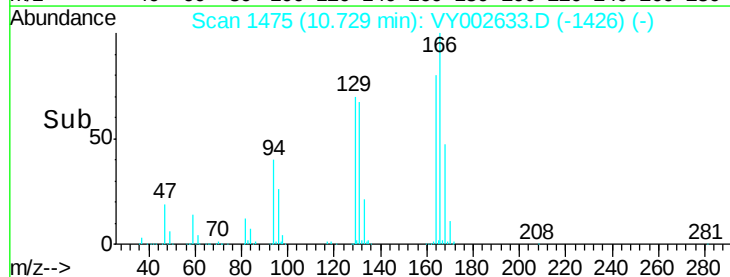
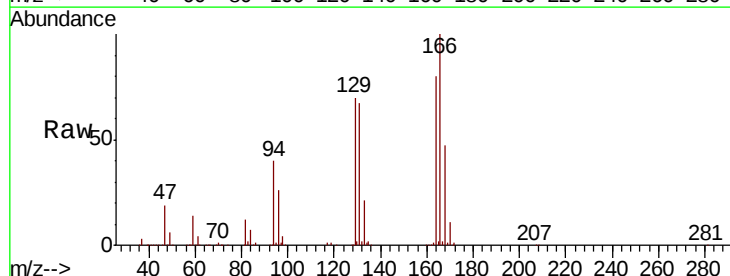
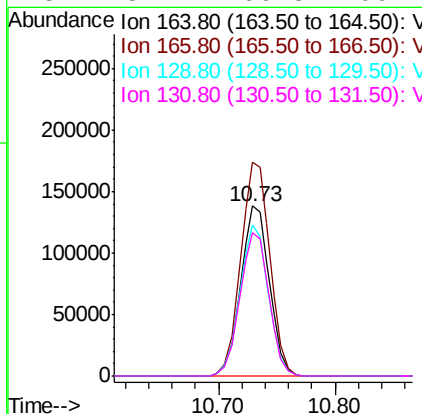
Manual Integrations
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5/11/2020 1:00:48 PM



#64
Tetrachloroethene
Concen: 55.578 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.7	151.1
129	88.6	68.3	102.5
131	84.7	66.8	100.2





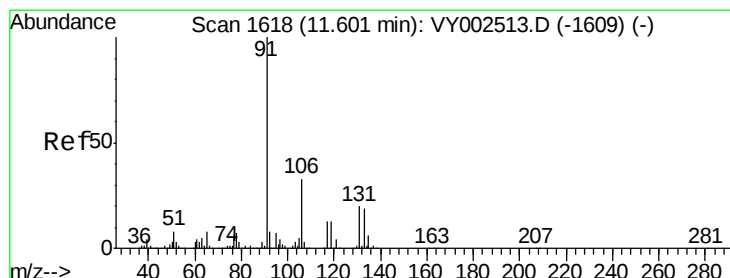
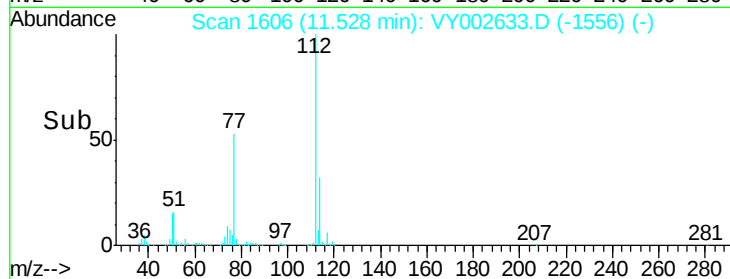
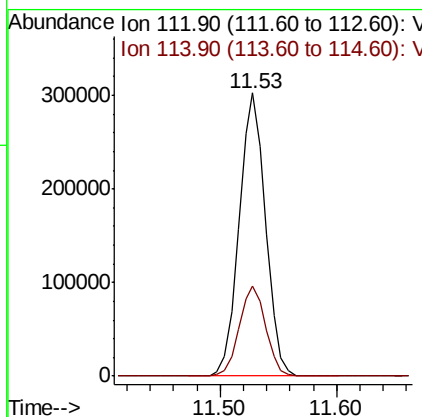
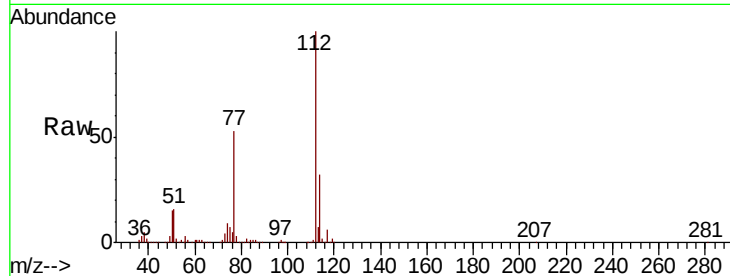
#65
Chlorobenzene
Concen: 52.562 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

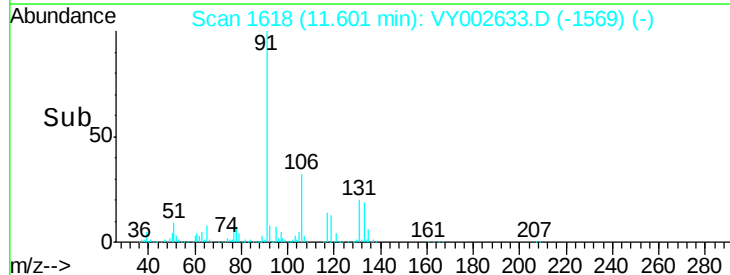
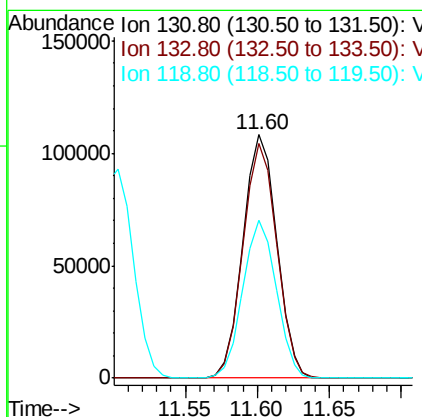
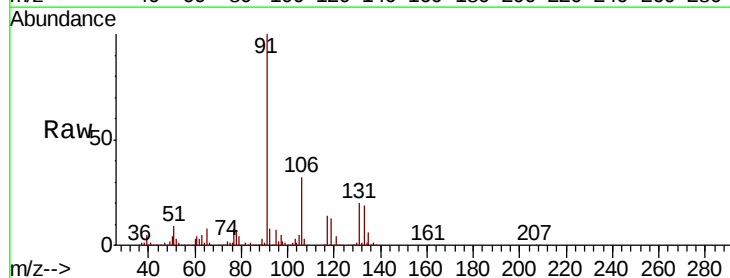
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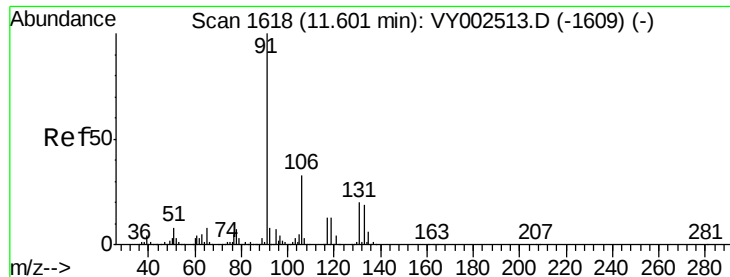
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.375 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.1	144.4
119	64.5	31.6	95.0





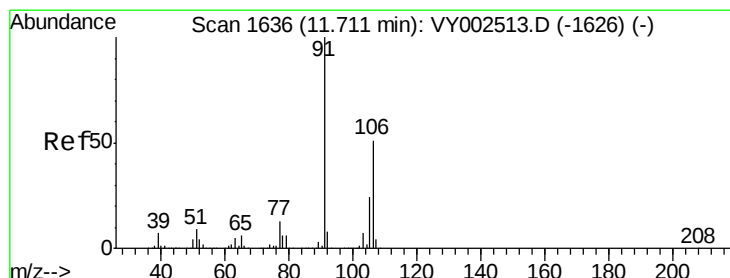
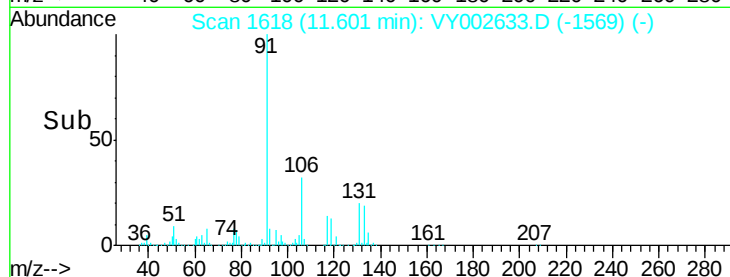
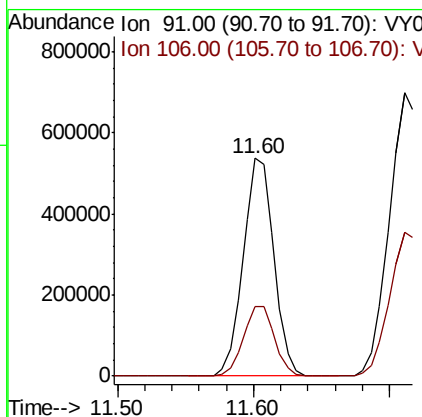
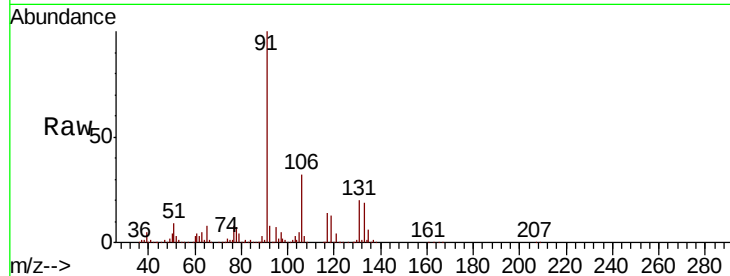
#67
Ethyl Benzene
Concen: 53.173 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.1	39.1

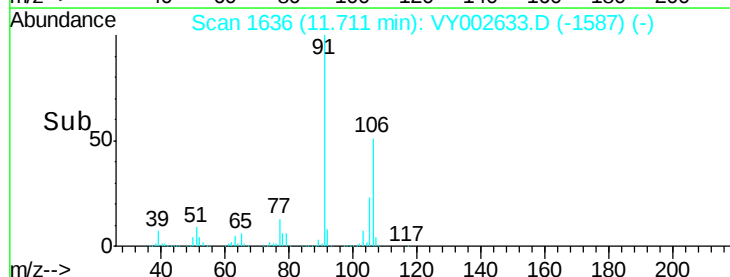
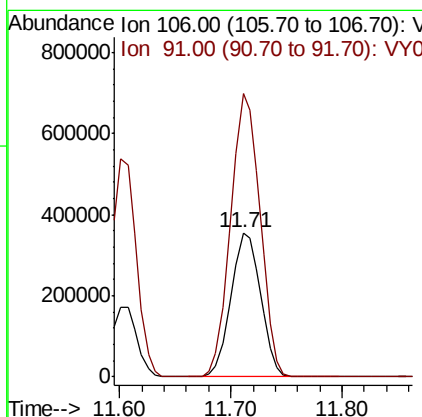
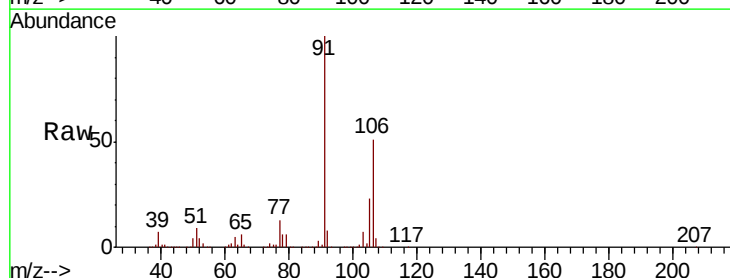
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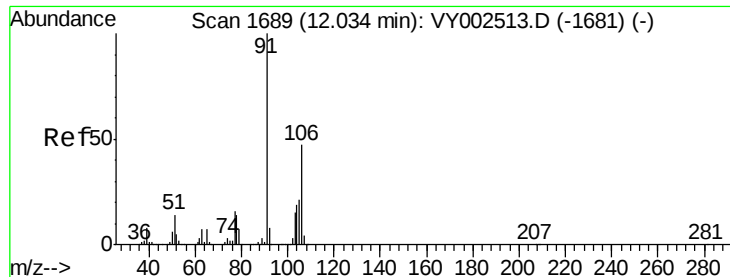
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5/11/2020 1:00:48 PM



#68
m/p-Xylenes
Concen: 106.143 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.7	155.2	232.8





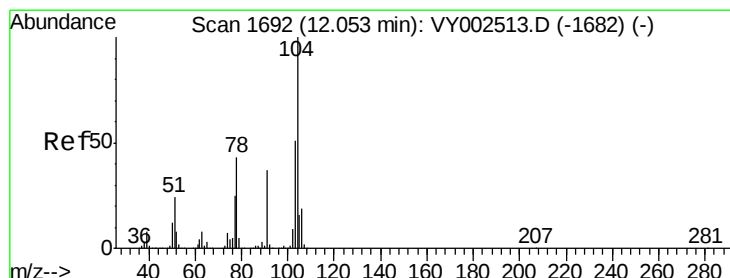
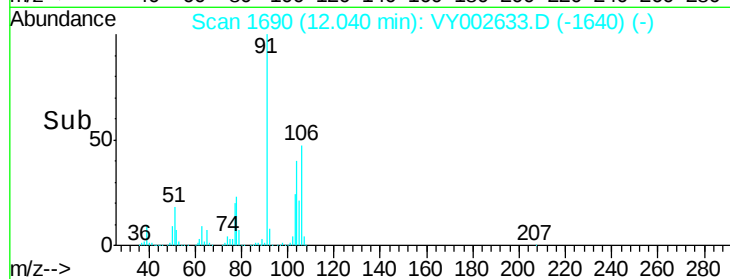
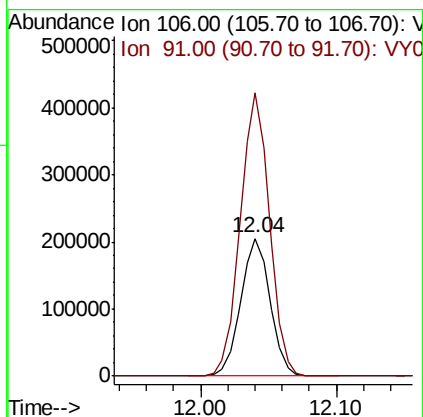
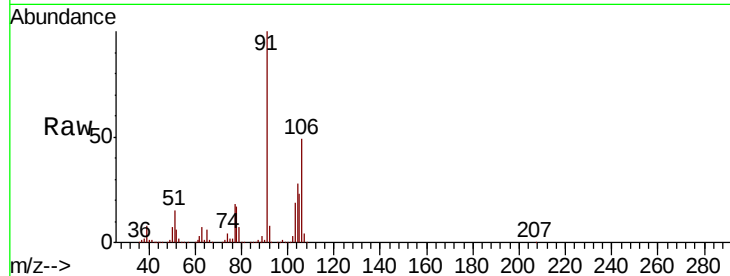
#69
o-Xylene
Concen: 53.449 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.8	103.8	311.3		

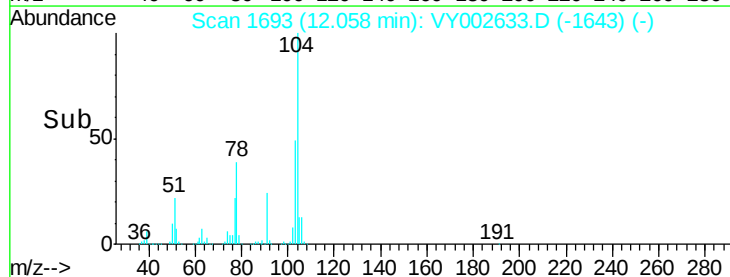
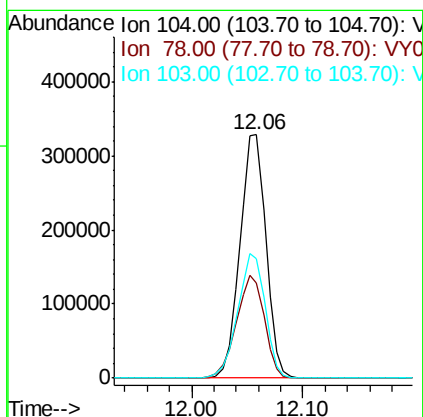
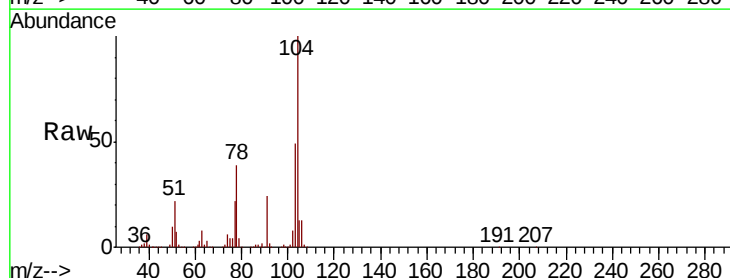
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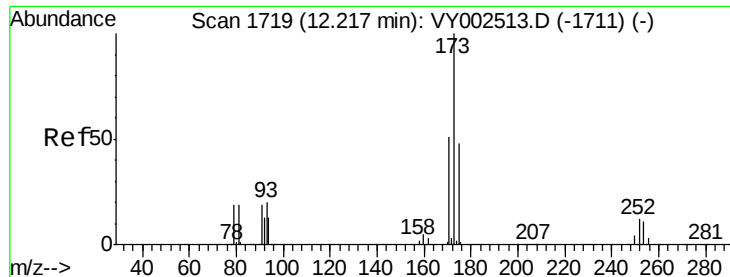
MMDadoda
5/11/2020 1:00:48 PM



#70
Styrene
Concen: 53.957 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.4	37.4	56.0		
103	53.9	43.9	65.9		





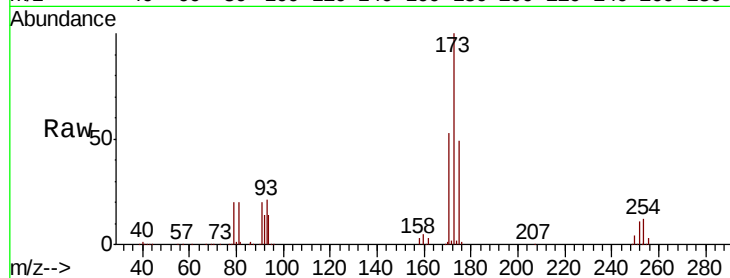
#71
Bromoform
Concen: 50.949 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

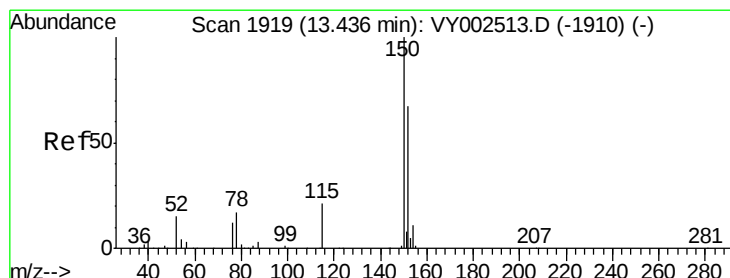
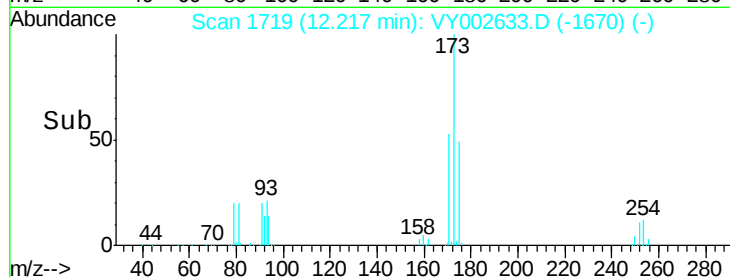
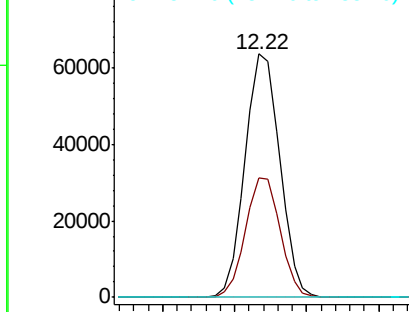
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.2	0.2	0.2

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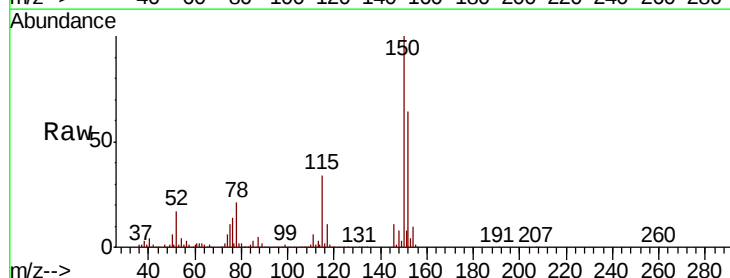


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

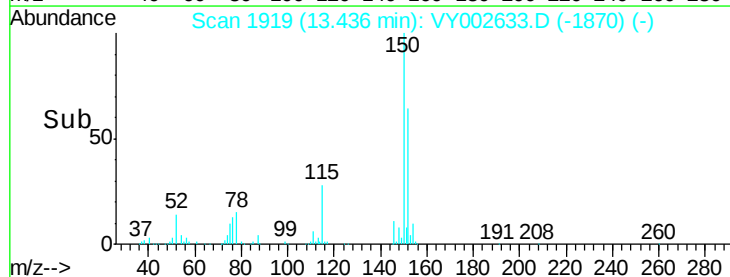
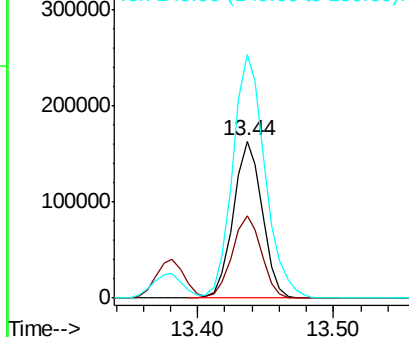


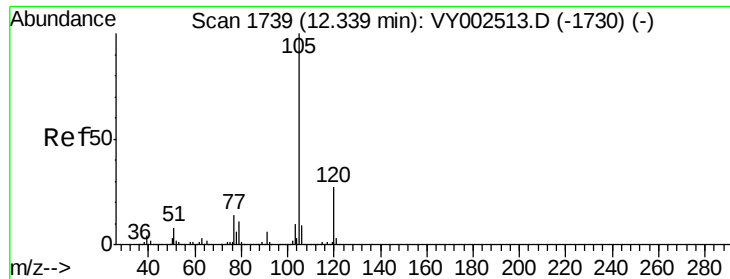
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.5	82.4
150	173.4	0.0	346.4



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





#73

Isopropylbenzene

Concen: 54.136 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 843667

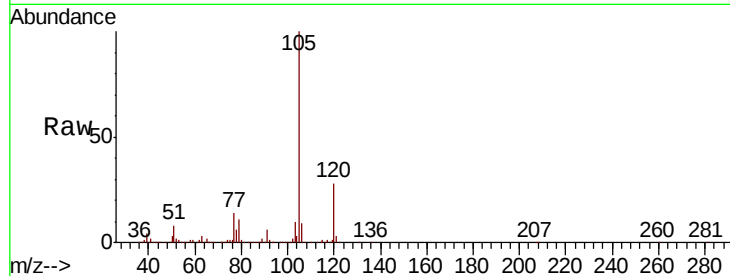
Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3

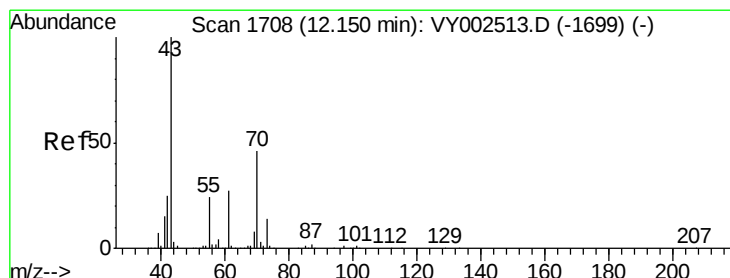
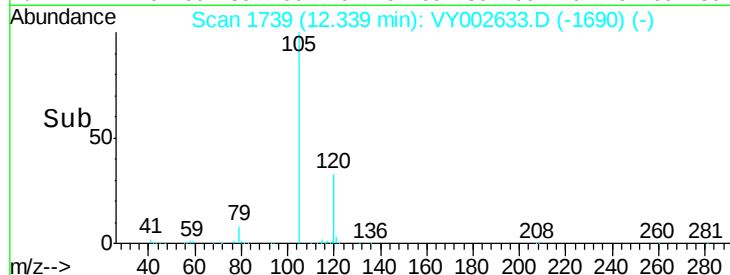
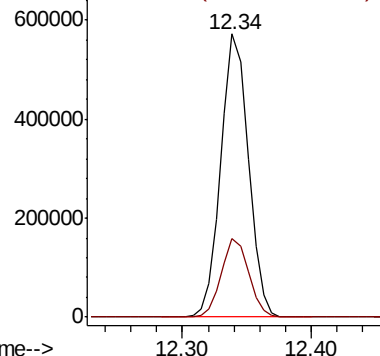
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.221 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion: 43 Resp: 195769

Ion Ratio Lower Upper

43 100

70 46.5 36.7 55.1

55 24.5 19.2 28.8

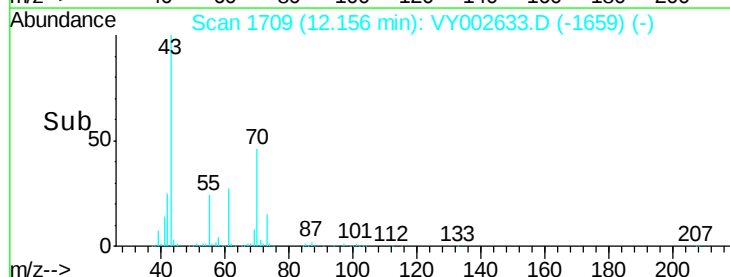
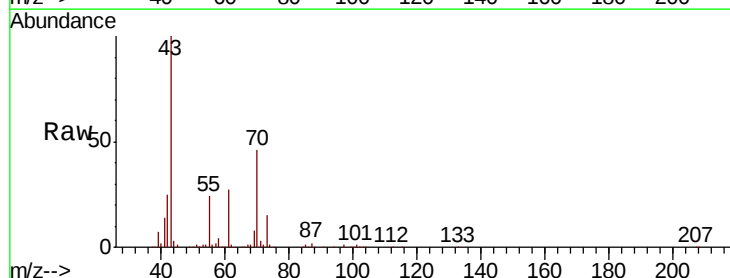
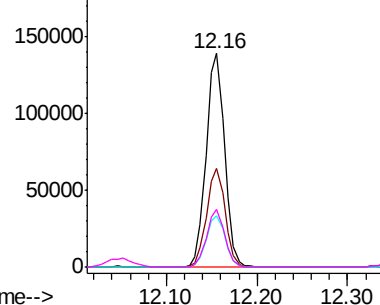
61 26.3 21.1 31.7

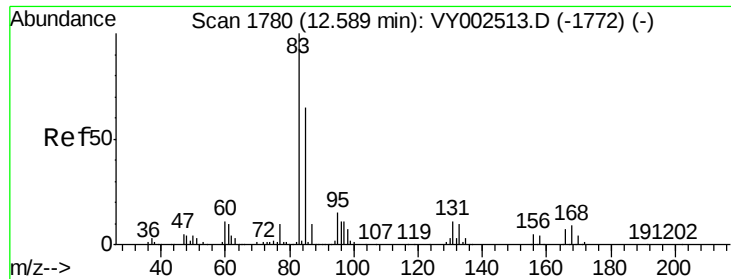
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.128 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

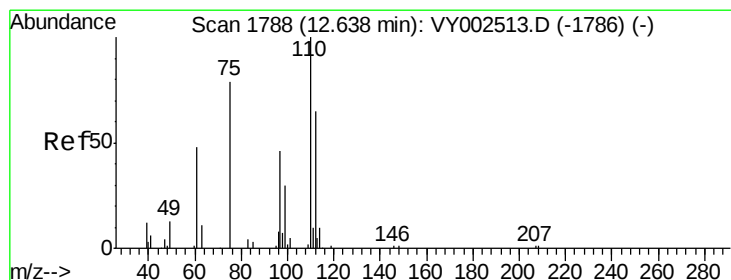
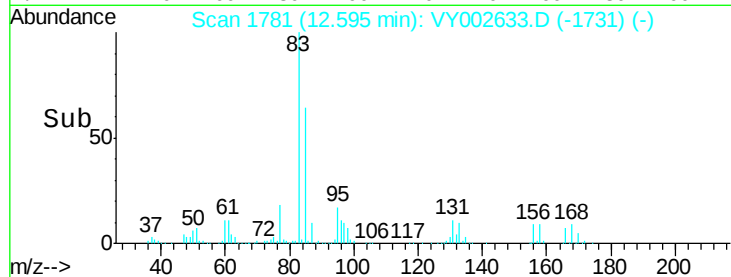
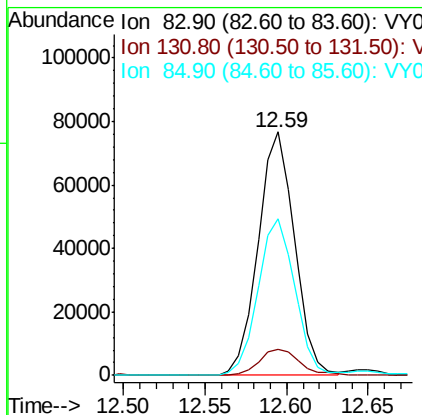
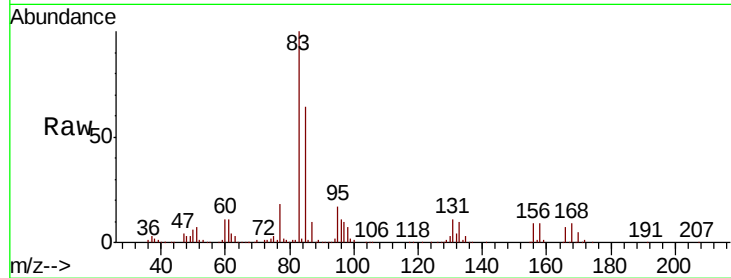
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119283
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.8
85	64.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.580 ug/l m

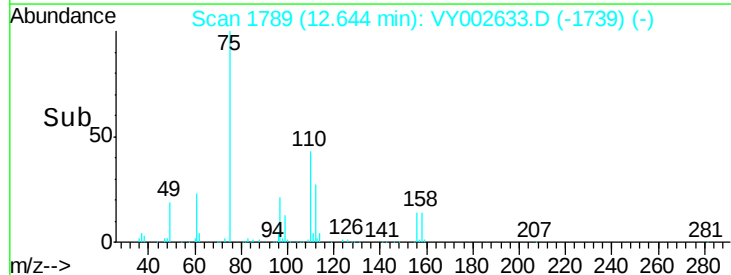
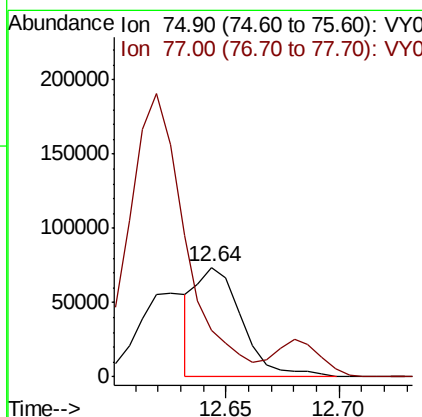
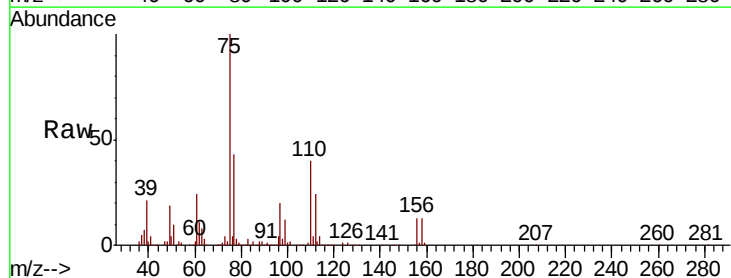
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion:	75	Resp:	105947
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.215 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

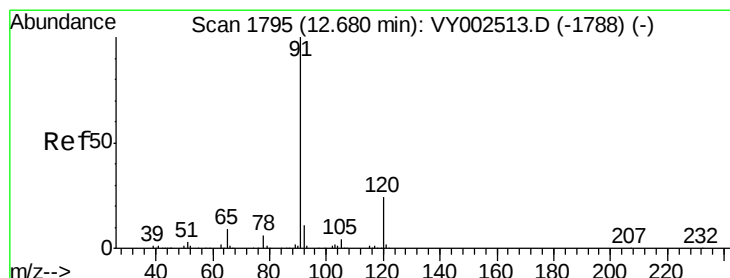
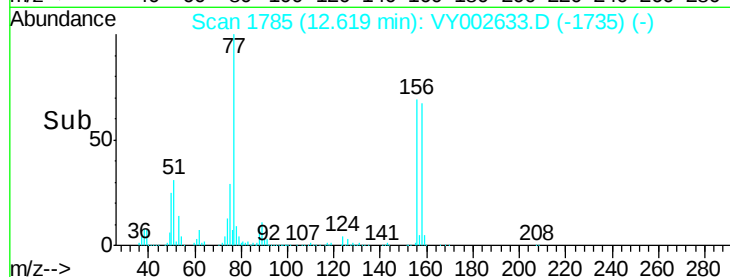
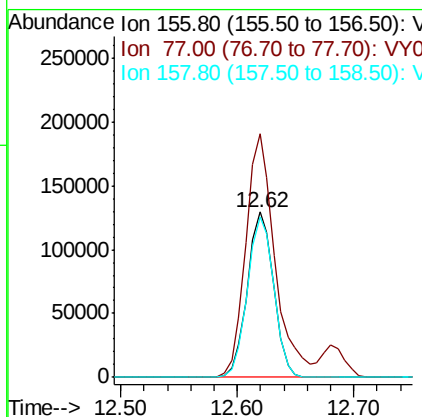
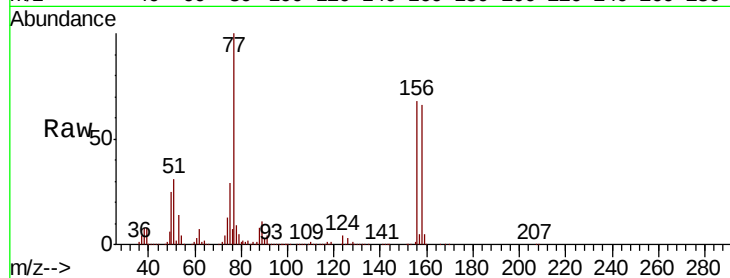
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	203302
Ion Ratio	Lower	Upper	
156	100		
77	163.9	82.0	245.8
158	98.0	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.953 ug/l

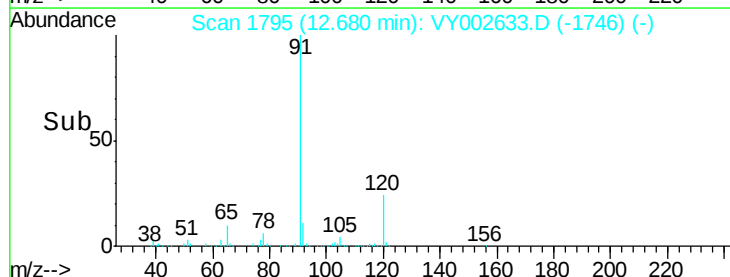
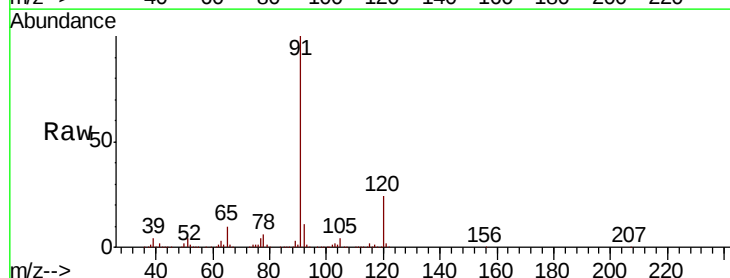
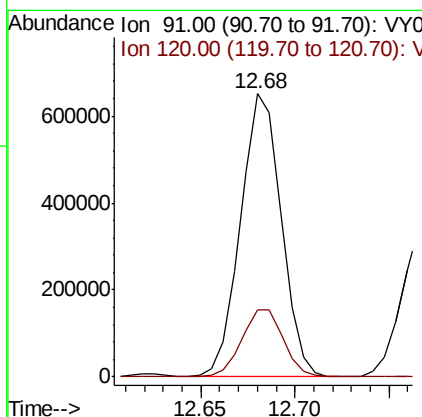
RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Tgt Ion:	91	Resp:	975748
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.2	36.4





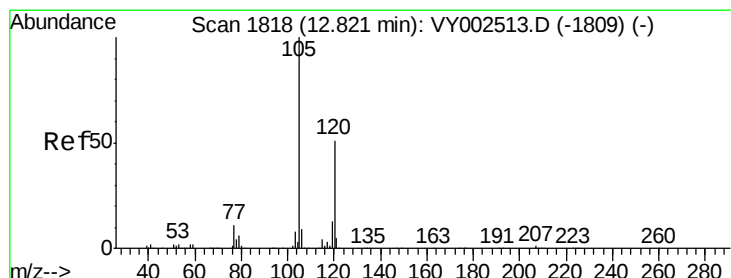
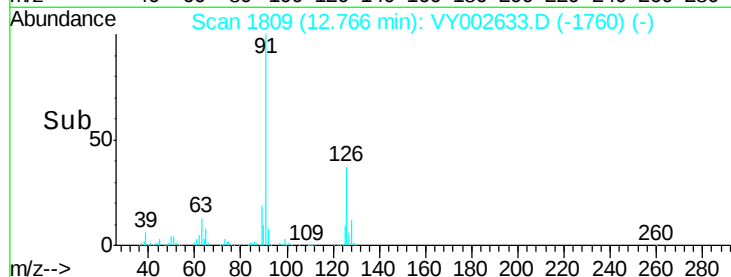
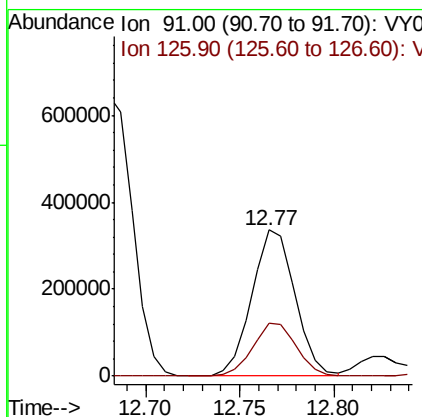
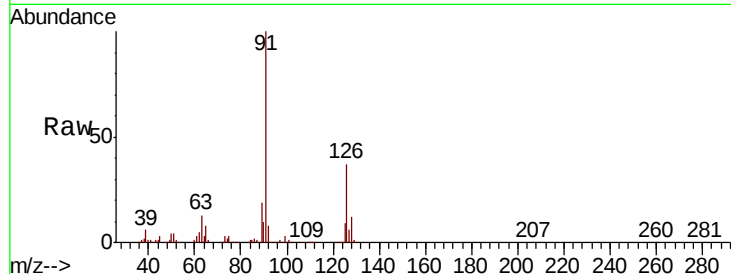
#79
2-Chlorotoluene
Concen: 53.435 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.4	55.2

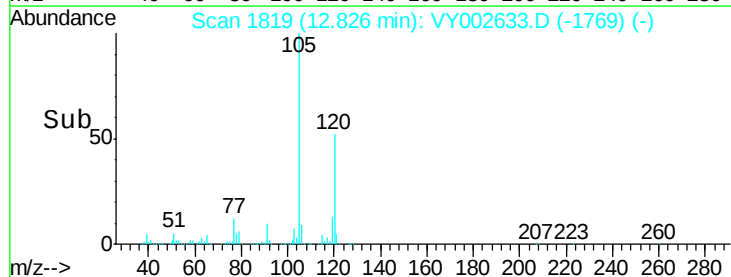
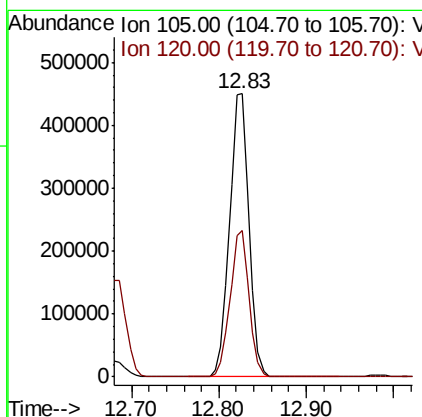
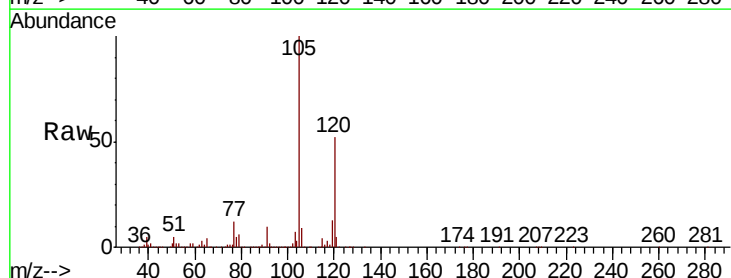
Manual Integrations
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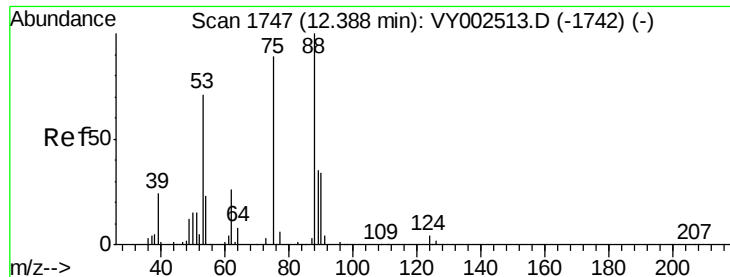
MMDadoda
5/11/2020 1:00:48 PM



#80
1,3,5-Trimethylbenzene
Concen: 53.808 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.3	75.9





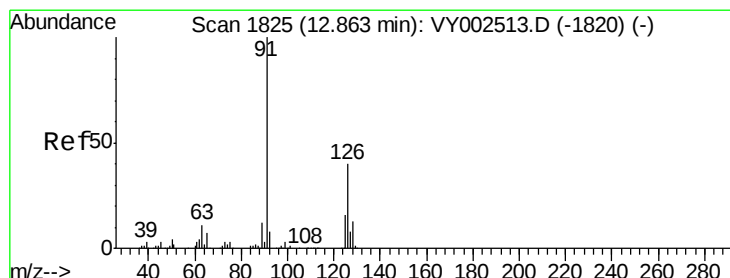
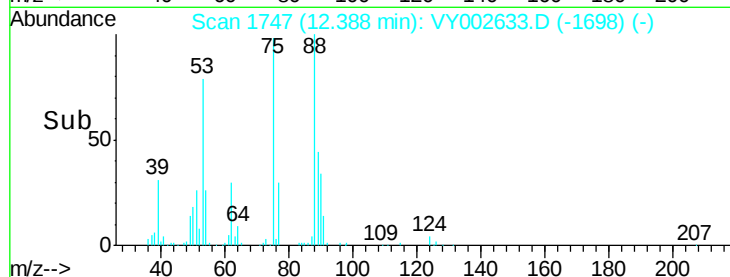
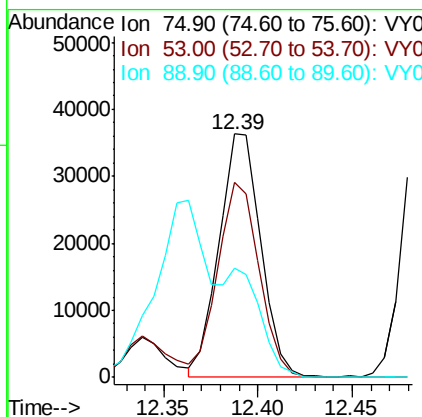
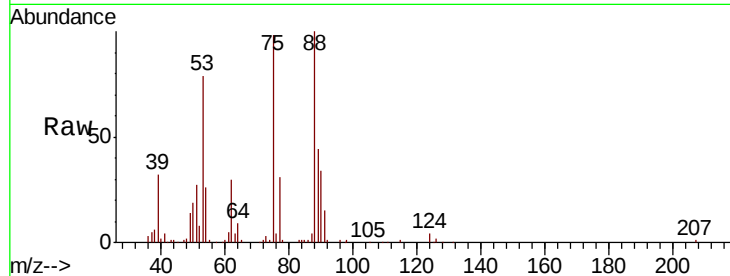
#81
trans-1,4-Dichloro-2-butene
Concen: 51.978 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.5	67.4	101.0
89	0.0	37.4	56.0#

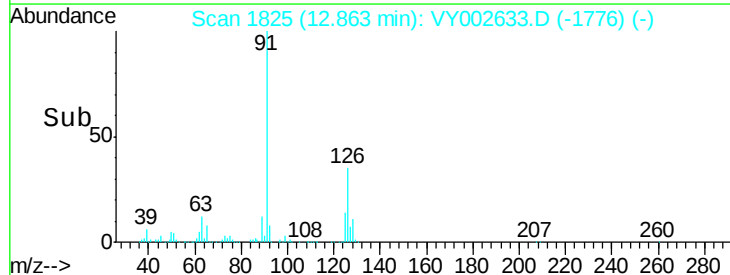
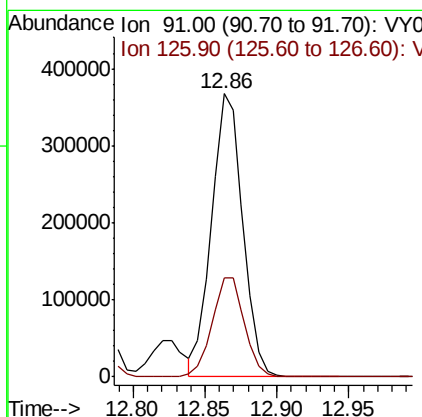
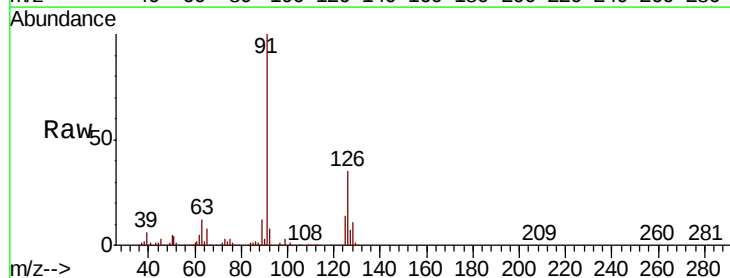
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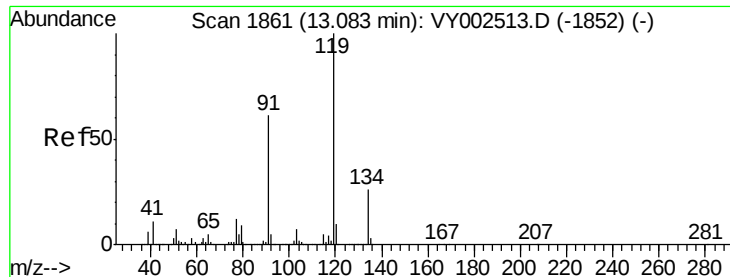
MMDadoda
5/11/2020 1:00:48 PM



#82
4-Chlorotoluene
Concen: 52.742 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.5	55.5





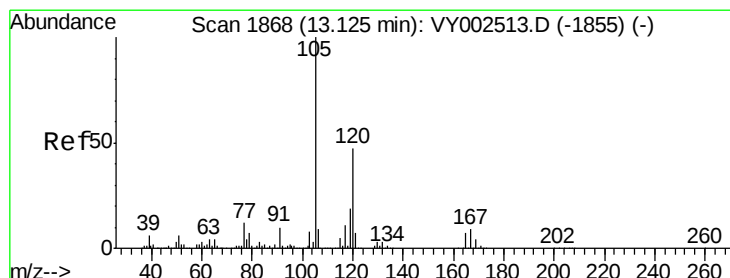
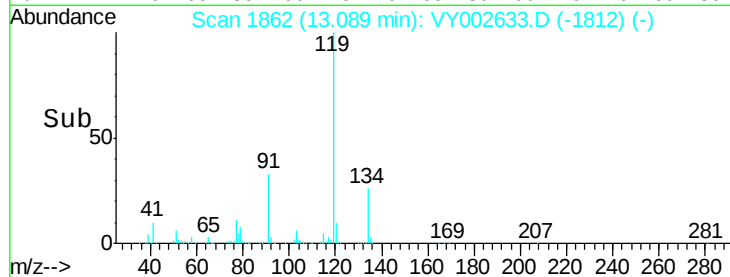
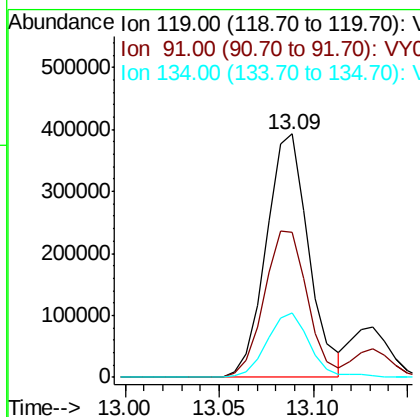
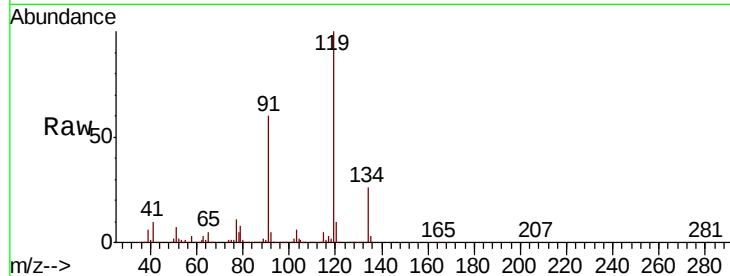
#83
 tert-Butylbenzene
 Concen: 54.273 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:119	Resp:	614745
Ion Ratio	Lower	Upper
119	100	
91	61.2	30.6 91.6
134	26.8	13.5 40.4

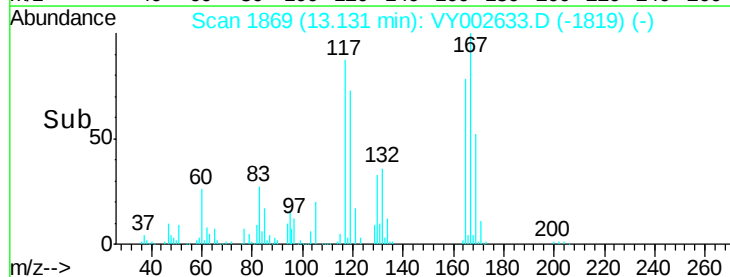
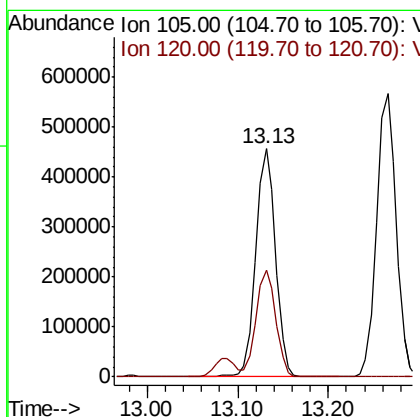
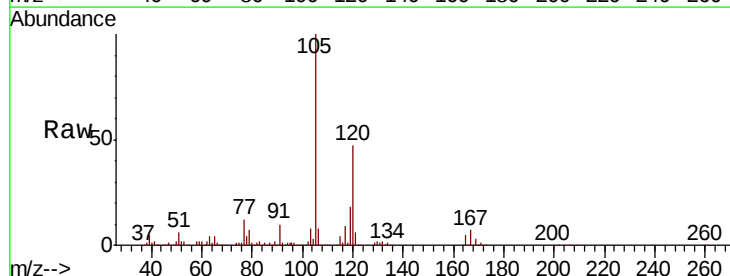
Manual Integrations
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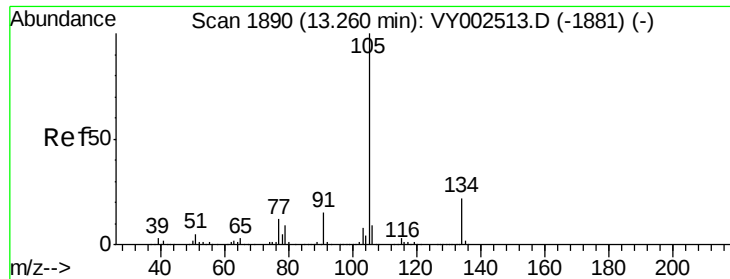
MMDadoda
 5/11/2020 1:00:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.397 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion:105	Resp:	687457
Ion Ratio	Lower	Upper
105	100	
120	47.1	23.4 70.3





#85

sec-Butylbenzene

Concen: 53.873 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 846753

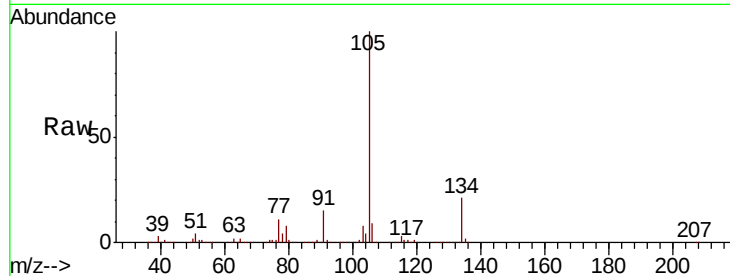
Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3

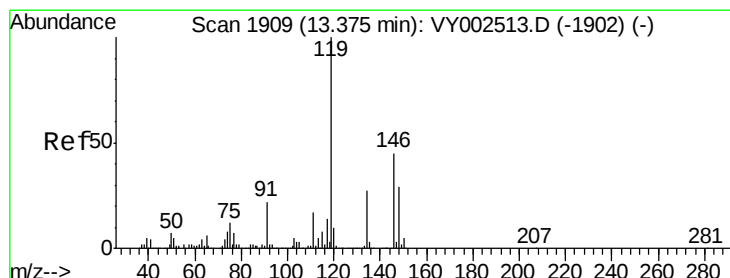
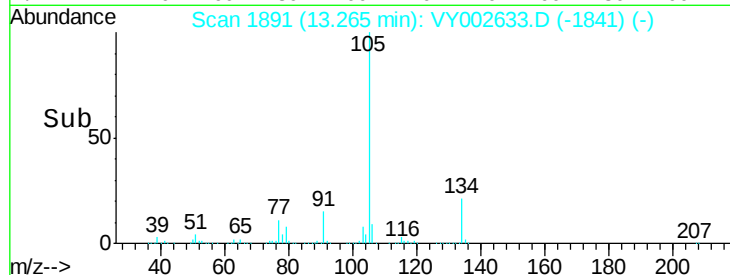
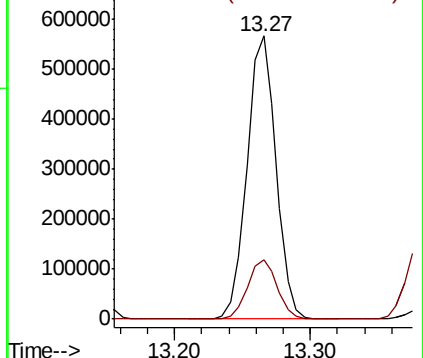
Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.698 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002633.D

Acq: 08 May 2020 10:37

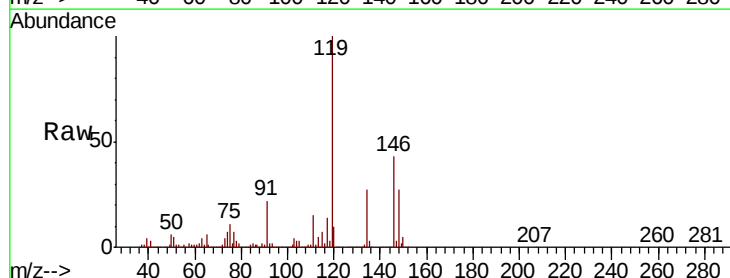
Tgt Ion:119 Resp: 790813

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

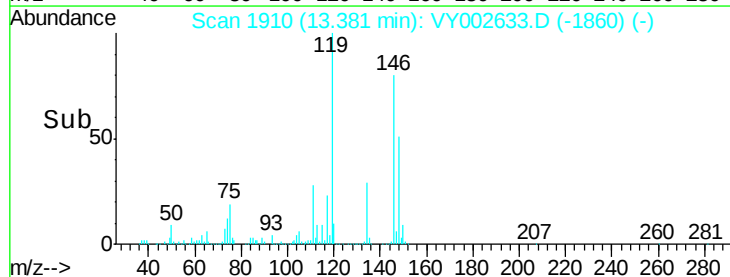
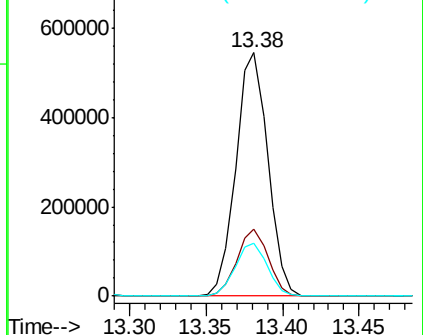
91 21.7 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





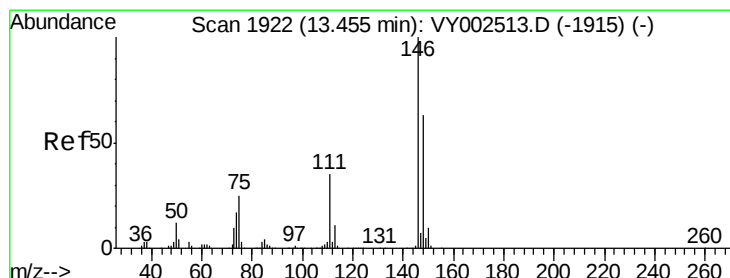
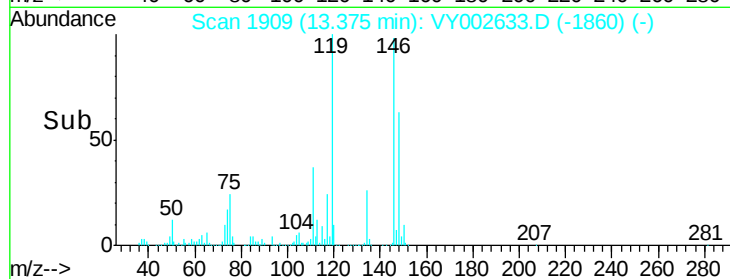
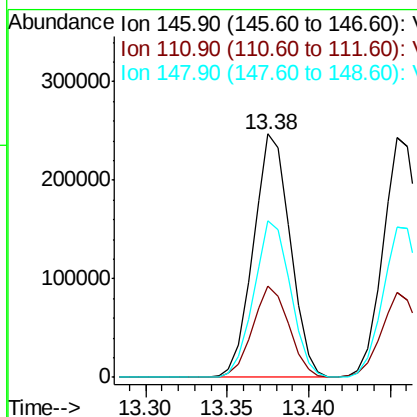
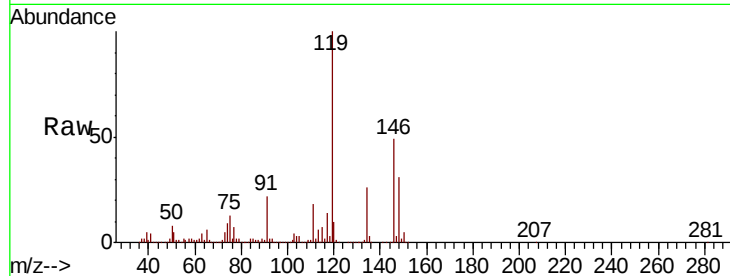
#87
 1,3-Dichlorobenzene
 Concen: 52.469 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	386654		
111	37.1	18.8	56.3	
148	63.8	32.1	96.3	

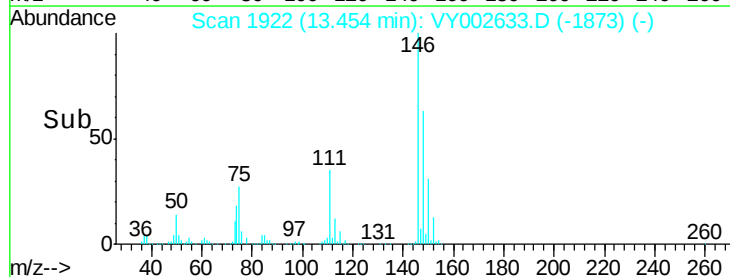
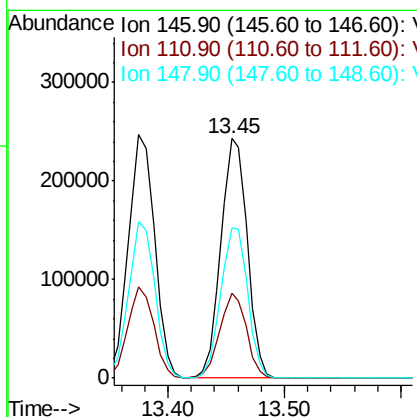
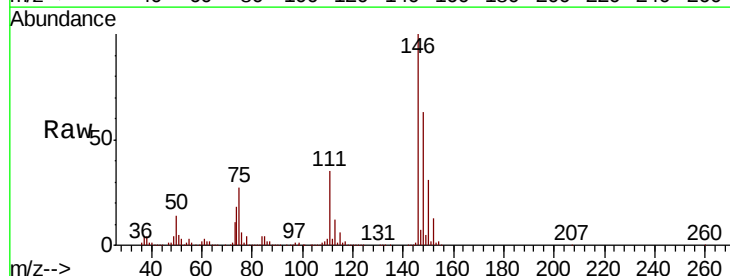
Manual Integrations
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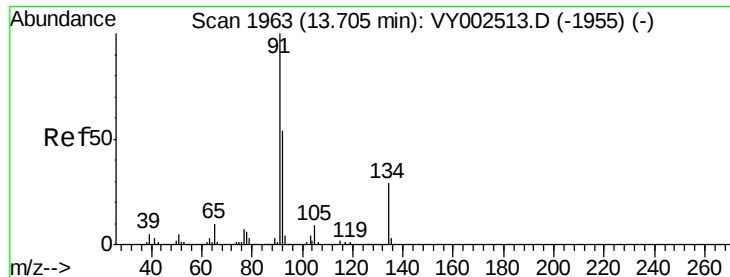
MMDadoda
 5/11/2020 1:00:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.246 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	381237		
111	35.7	18.1	54.1	
148	64.0	31.9	95.5	





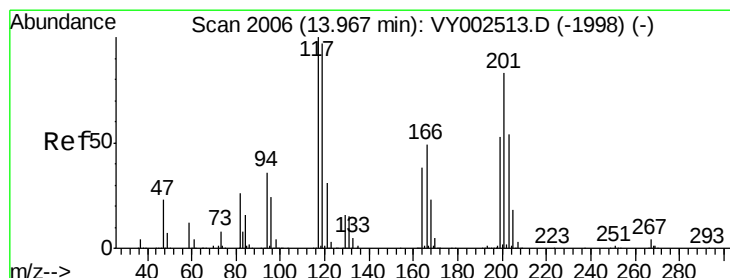
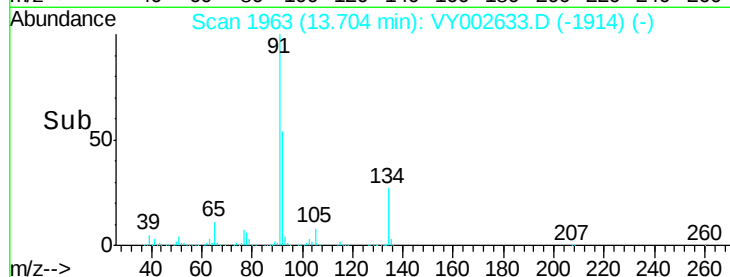
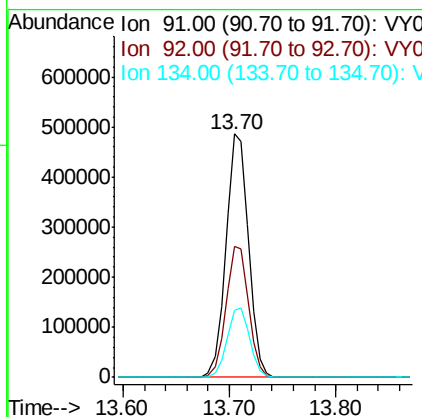
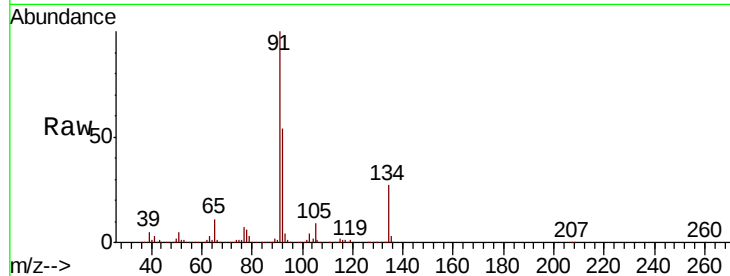
#89
n-Butylbenzene
Concen: 53.501 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	28.5	14.4	43.0

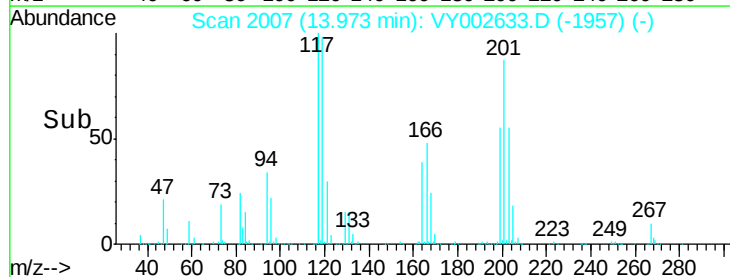
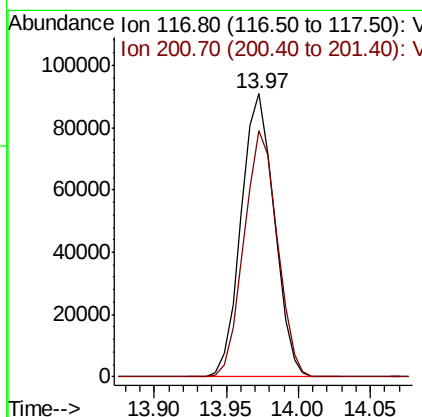
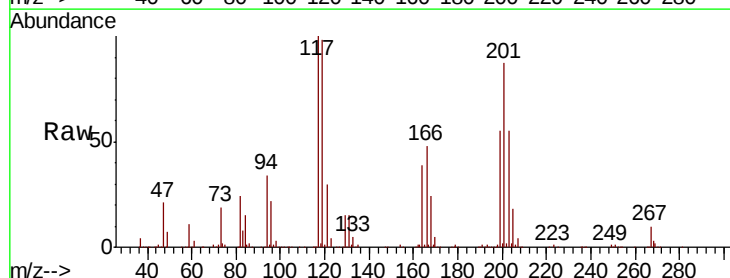
Manual Integrations
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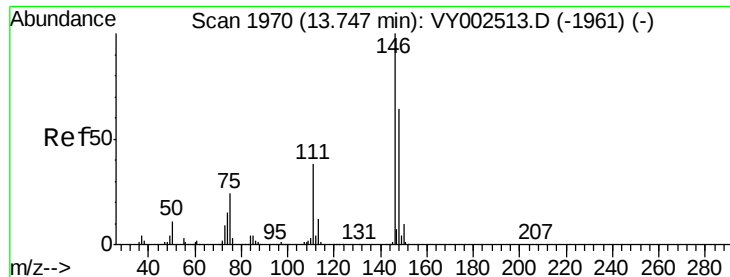
MMDadoda
5/11/2020 1:00:48 PM



#90
Hexachloroethane
Concen: 54.164 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.4	133.2





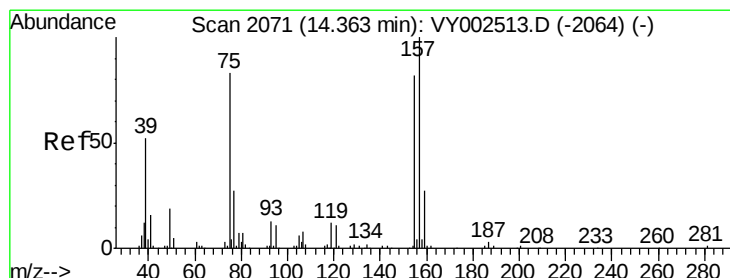
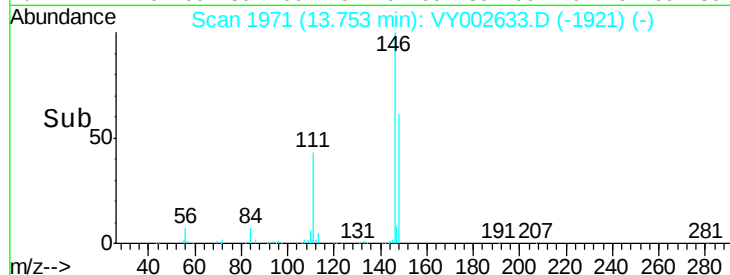
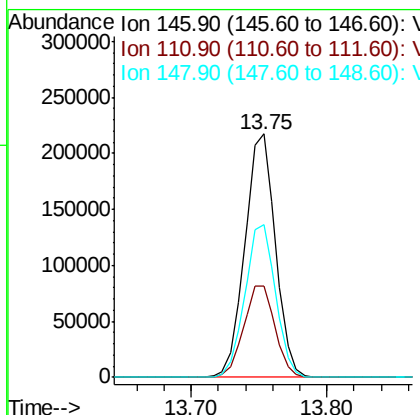
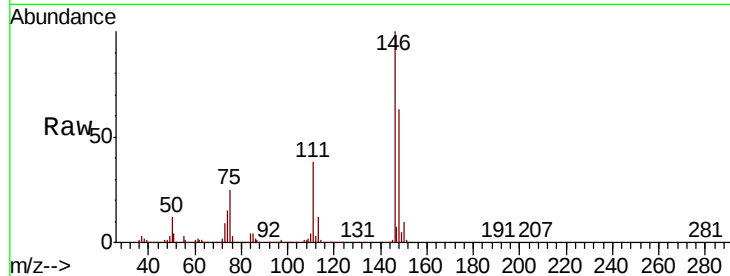
#91
 1,2-Dichlorobenzene
 Concen: 51.867 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	341055
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.5
148	63.1	31.9	95.7

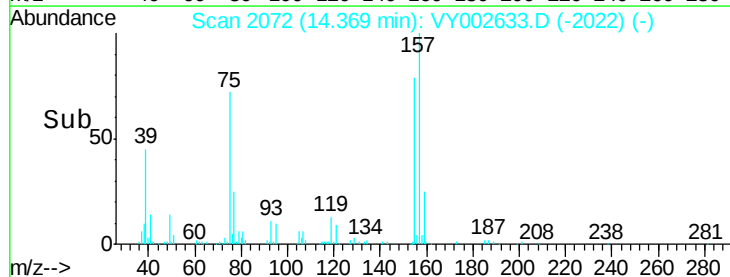
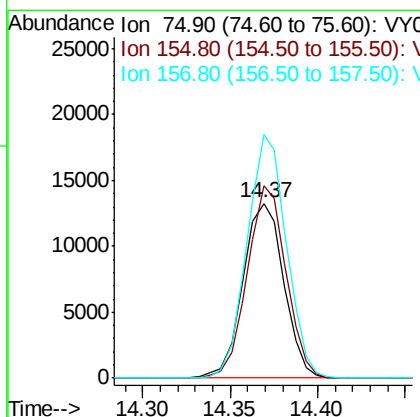
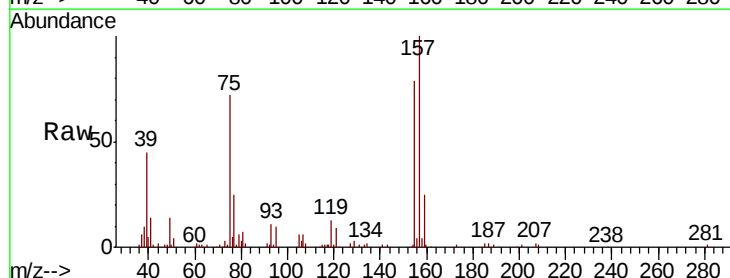
Manual Integrations
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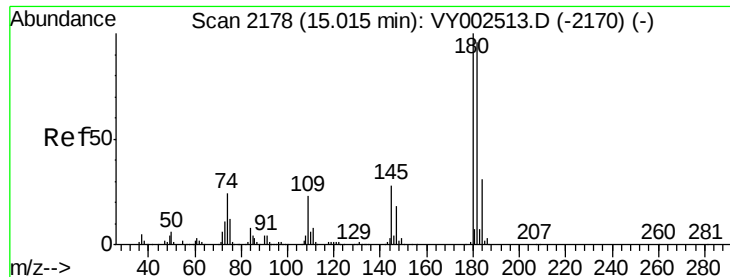
MMDadoda
 5/11/2020 1:00:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.608 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion:	75	Resp:	21533
Ion Ratio	Lower	Upper	
75	100		
155	104.1	51.3	153.9
157	133.9	65.0	195.0





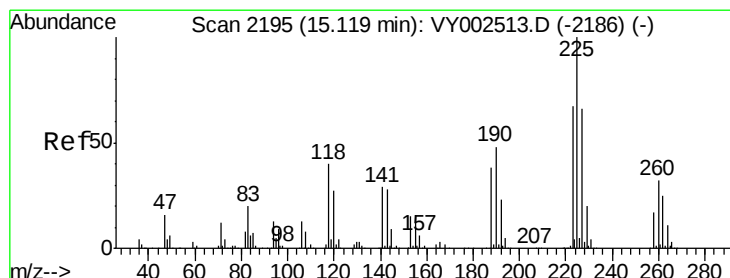
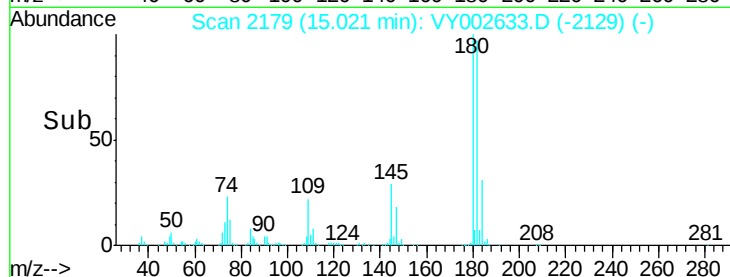
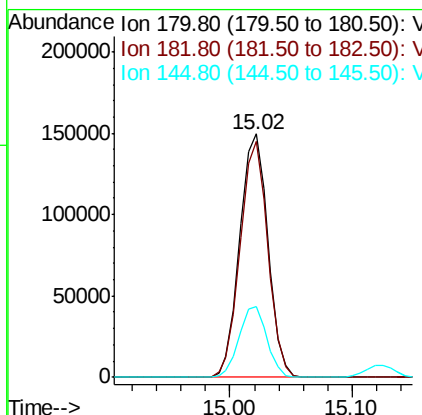
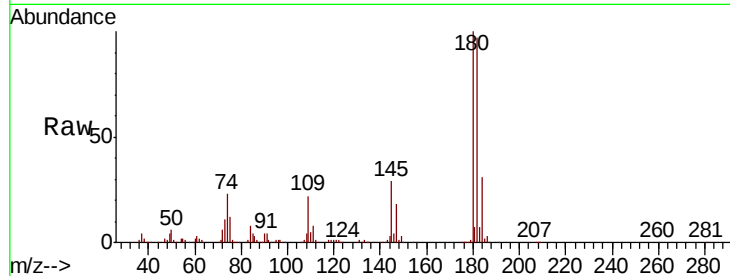
#93
 1,2,4-Trichlorobenzene
 Concen: 50.047 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238925		
182	94.9	47.9	143.6	
145	28.7	14.4	43.0	

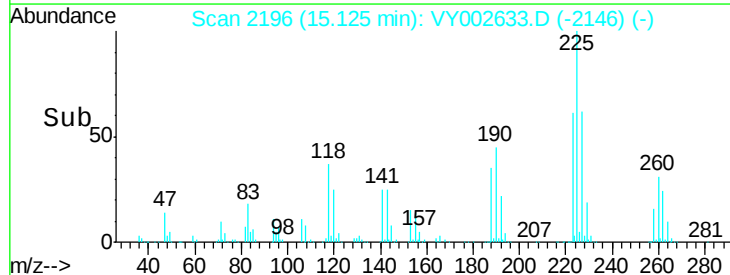
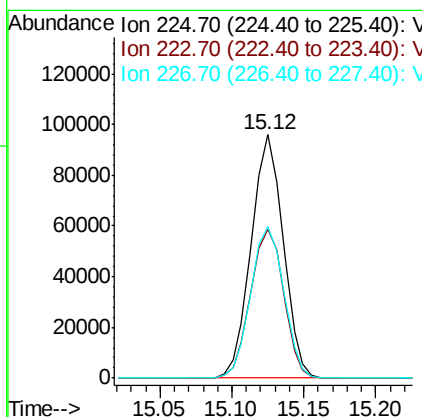
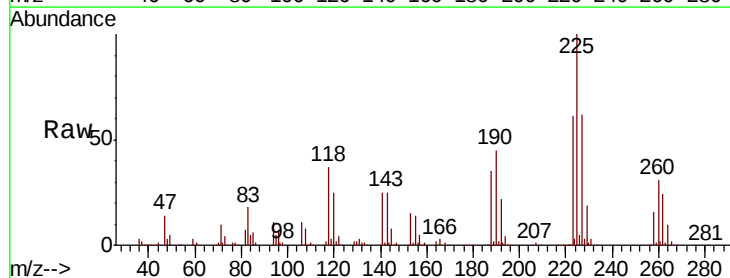
Manual Integrations
 APPROVED

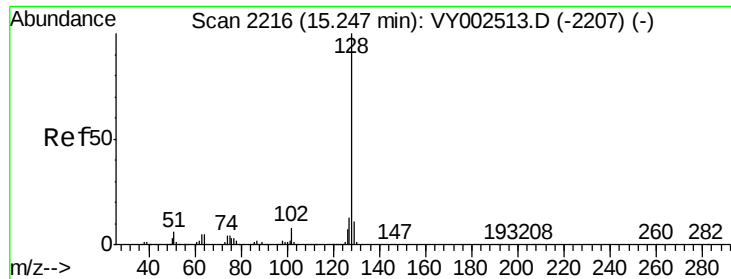
MMDadoda
 5/11/2020 1:00:48 PM



#94
 Hexachlorobutadiene
 Concen: 51.580 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002633.D
 Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147807		
223	63.2	32.1	96.5	
227	64.2	32.0	96.2	





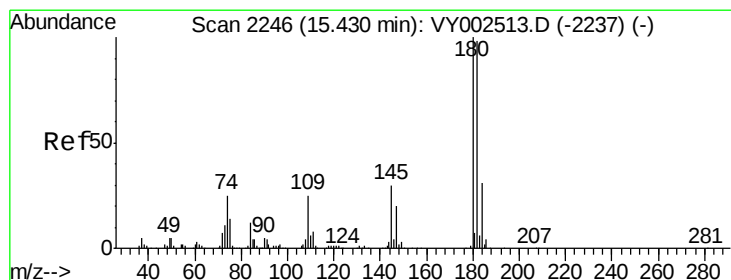
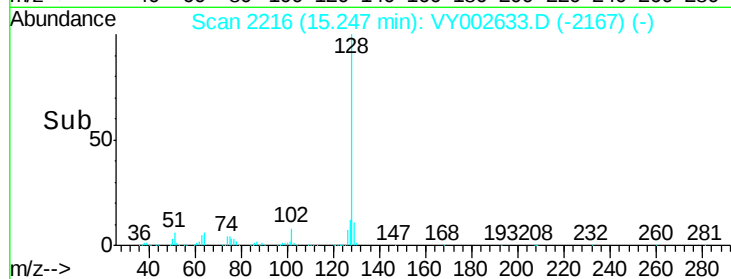
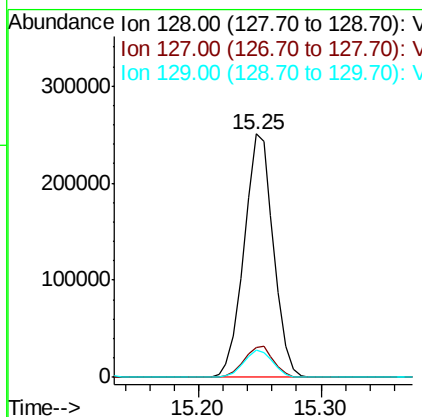
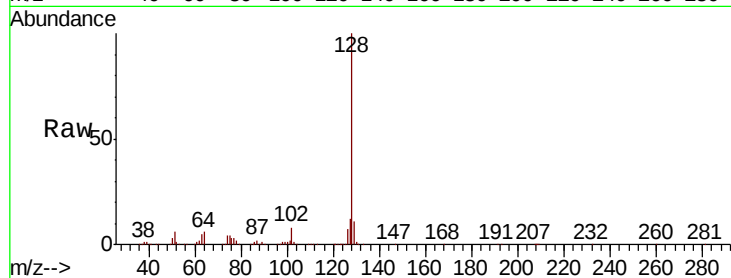
#95
Naphthalene
Concen: 47.830 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	416546		
127	12.7		10.5	15.7
129	11.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/11/2020 1:00:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.577 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002633.D
Acq: 08 May 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	196870		
182	95.5		47.9	143.8
145	30.1		15.0	45.1

