

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001918.D
 Acq On : 10 Mar 2020 12:33
 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
 3/11/2020 3:22:40 PM

Quant Time: Mar 11 04:32:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	178854	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	320981	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.51	117	286111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.48	152	133237	50.00	ug/l	0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	95689	50.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.72	113	91401	52.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.19	98	379952	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.50	95	134392	52.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	69411	42.043	ug/l	97
3) Chloromethane	2.12	50	95514	42.911	ug/l	100
4) Vinyl Chloride	2.26	62	102011	45.056	ug/l	99
5) Bromomethane	2.65	94	66005	49.902	ug/l	100
6) Chloroethane	2.80	64	63232	44.460	ug/l	96
7) Trichlorofluoromethane	3.13	101	137642	44.827	ug/l	97
8) Diethyl Ether	3.54	74	56091	46.349	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	90851	46.002	ug/l	100
10) Methyl Iodide	4.10	142	108525	47.518	ug/l	98
11) Tert butyl alcohol	4.97	59	46380	231.771	ug/l	99
12) 1,1-Dichloroethene	3.88	96	91801	46.165	ug/l	94
13) Acrolein	3.74	56	69507	259.051	ug/l	97
14) Allyl chloride	4.49	41	162163	46.000	ug/l	99
15) Acrylonitrile	5.18	53	144785	223.889	ug/l	99
16) Acetone	3.96	43	149920	269.578	ug/l	98
17) Carbon Disulfide	4.20	76	297150	44.452	ug/l	98
18) Methyl Acetate	4.49	43	61905	43.323	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	251850	46.736	ug/l	99
20) Methylene Chloride	4.72	84	103707	43.511	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	103323	45.778	ug/l	95
22) Diisopropyl ether	6.13	45	333876	46.203	ug/l	97
23) Vinyl Acetate	6.07	43	1089038	229.887	ug/l	97
24) 1,1-Dichloroethane	6.03	63	180537	46.135	ug/l	99
25) 2-Butanone	7.00	43	201743	238.546	ug/l	97
26) 2,2-Dichloropropane	6.99	77	154218	48.015	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	113087	46.061	ug/l	99
28) Bromochloromethane	7.35	49	83903	47.568	ug/l	97
29) Tetrahydrofuran	7.36	42	123665	220.197	ug/l	99
30) Chloroform	7.52	83	169327	46.056	ug/l	96
31) Cyclohexane	7.80	56	186429	44.432	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	144452	46.616	ug/l	99
36) 1,1-Dichloropropene	7.93	75	144744	46.861	ug/l	99
37) Ethyl Acetate	7.08	43	82524	45.969	ug/l	99
38) Carbon Tetrachloride	7.91	117	122689	46.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	192151	46.903	ug/l	98
40) Benzene	8.17	78	428198	46.771	ug/l	100
41) Methacrylonitrile	7.33	41	45654m	56.508	ug/l	
42) 1,2-Dichloroethane	8.25	62	109364	46.357	ug/l	99
43) Isopropyl Acetate	8.28	43	156636	46.085	ug/l	99
44) Trichloroethene	8.95	130	103608	46.467	ug/l	97
45) 1,2-Dichloropropane	9.23	63	108562	47.171	ug/l	98
46) Dibromomethane	9.32	93	54663	46.090	ug/l	99
47) Bromodichloromethane	9.51	83	130327	47.239	ug/l	98
48) Methyl methacrylate	9.30	41	72486	48.062	ug/l	98
49) 1,4-Dioxane	9.31	88	14482	891.136	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	405948	231.883	ug/l	99
52) Toluene	10.25	92	261054	46.938	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	145670	48.464	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	168885	47.198	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	81698	47.069	ug/l	98
56) Ethyl methacrylate	10.52	69	121190	47.636	ug/l	98
57) 1,3-Dichloropropane	10.80	76	144934	46.844	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	212332	237.085	ug/l	100
59) 2-Hexanone	10.85	43	299102	239.370	ug/l	99
60) Dibromochloromethane	11.00	129	86552	47.323	ug/l	97
61) 1,2-Dibromoethane	11.11	107	76100	46.286	ug/l	99
64) Tetrachloroethene	10.74	164	81956	45.677	ug/l	98
65) Chlorobenzene	11.53	112	266910	46.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	89291	47.762	ug/l	99
67) Ethyl Benzene	11.61	91	502492	47.262	ug/l	98
68) m/p-Xylenes	11.72	106	373231	94.951	ug/l	100
69) o-Xylene	12.05	106	175269	47.307	ug/l	99
70) Styrene	12.06	104	305633	48.166	ug/l	99
71) Bromoform	12.23	173	49227	48.554	ug/l #	100
73) Isopropylbenzene	12.35	105	479876	47.181	ug/l	100
74) N-amyl acetate	12.17	43	144509	46.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.61	83	102070	46.536	ug/l	99
76) 1,2,3-Trichloropropane	12.66	75	75536m	47.779	ug/l	
77) Bromobenzene	12.63	156	100210	46.503	ug/l	98
78) n-propylbenzene	12.70	91	589929	47.014	ug/l	100
79) 2-Chlorotoluene	12.78	91	323460	46.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.84	105	393695	47.019	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	37612	48.056	ug/l	100
82) 4-Chlorotoluene	12.89	91	338625	46.913	ug/l	100
83) tert-Butylbenzene	13.11	119	332011	47.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.16	105	392637	47.251	ug/l	99
85) sec-Butylbenzene	13.30	105	491947	47.991	ug/l	100
86) p-Isopropyltoluene	13.42	119	423844	47.931	ug/l	100
87) 1,3-Dichlorobenzene	13.41	146	196692	46.579	ug/l	99
88) 1,4-Dichlorobenzene	13.50	146	196795m	45.938	ug/l	
89) n-Butylbenzene	13.77	91	433512	47.253	ug/l	99
90) Hexachloroethane	14.05	117	80404	48.198	ug/l	100
91) 1,2-Dichlorobenzene	13.81	146	180315	47.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	15663	45.764	ug/l	98

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QLast Update : Thu Mar 05 04:05:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.25	180	115968	46.613	ug/l	97
94) Hexachlorobutadiene	15.38	225	57737m	47.601	ug/l	
95) Naphthalene	15.52	128	276337m	46.827	ug/l	
96) 1,2,3-Trichlorobenzene	15.73	180	103353m	47.157	ug/l	

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

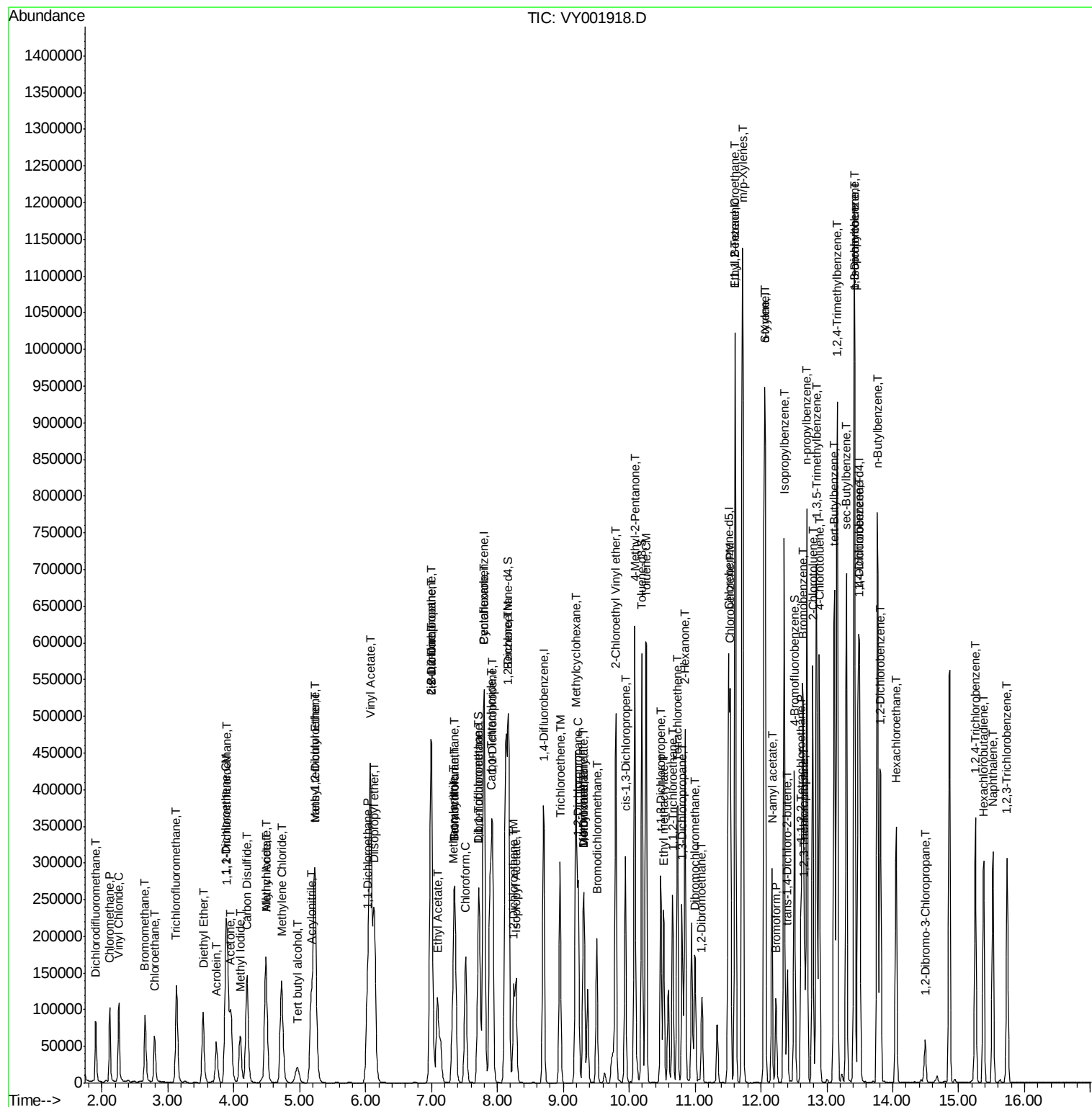
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
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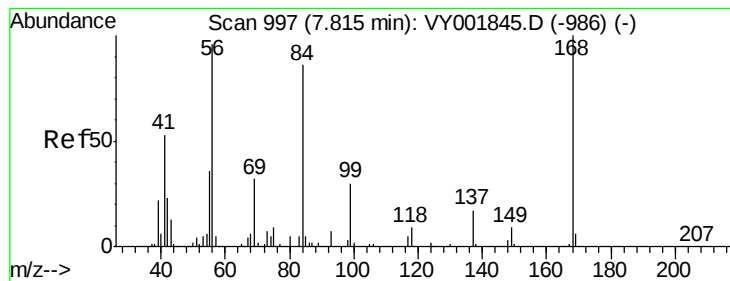
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 178854

Ion Ratio Lower Upper

168 100

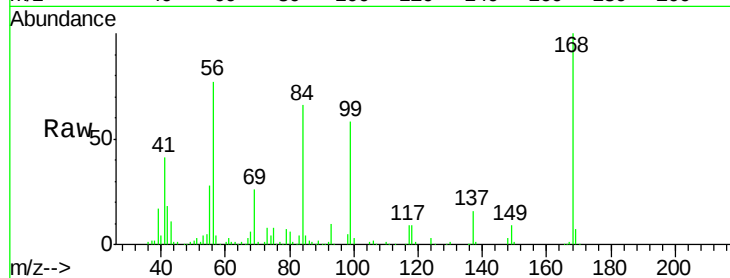
99 57.9 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

80000

60000

40000

20000

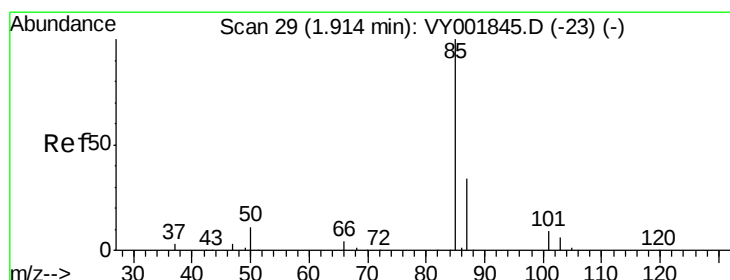
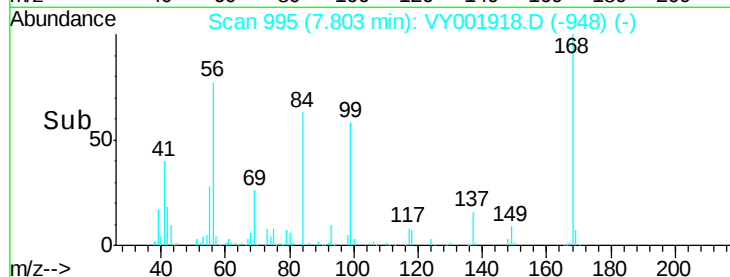
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 42.043 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001918.D

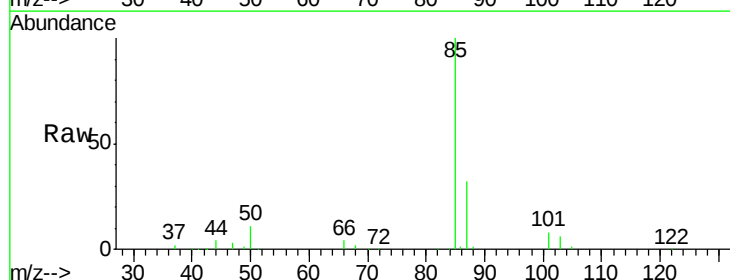
Acq: 10 Mar 2020 12:33

Tgt Ion: 85 Resp: 69411

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

50000

40000

30000

20000

10000

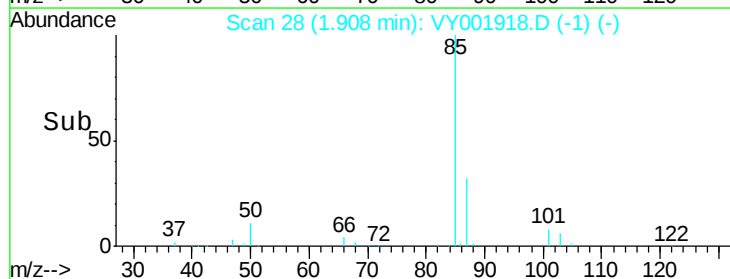
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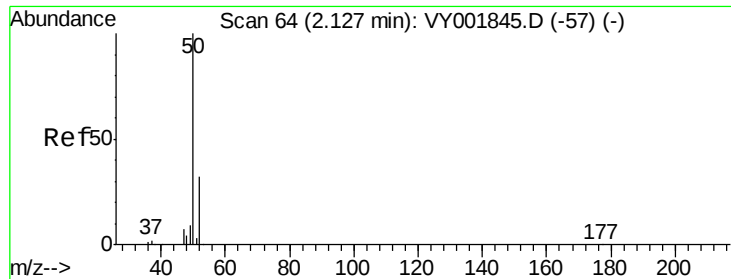
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 42.911 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95514

Ion Ratio Lower Upper

50 100

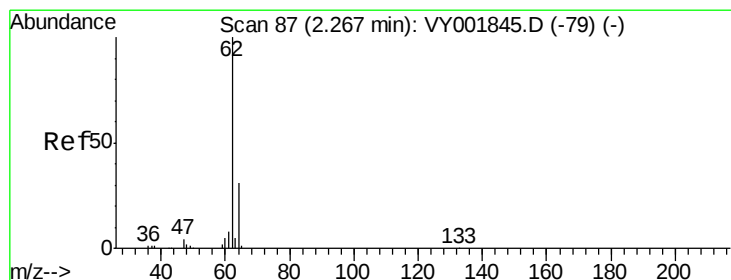
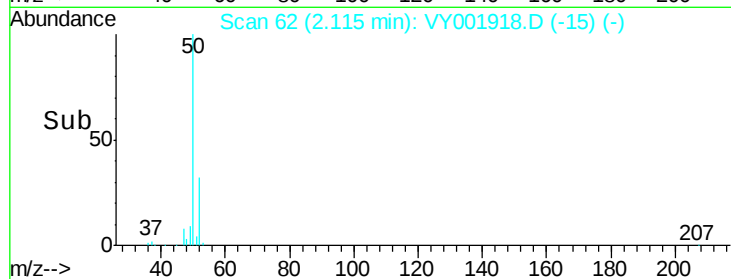
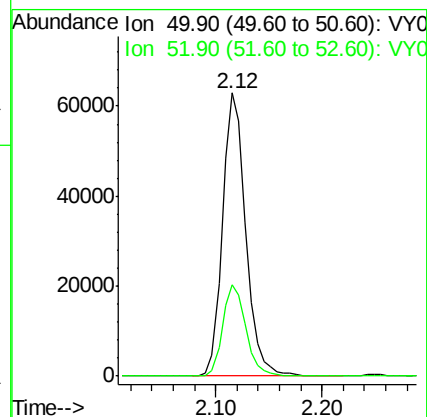
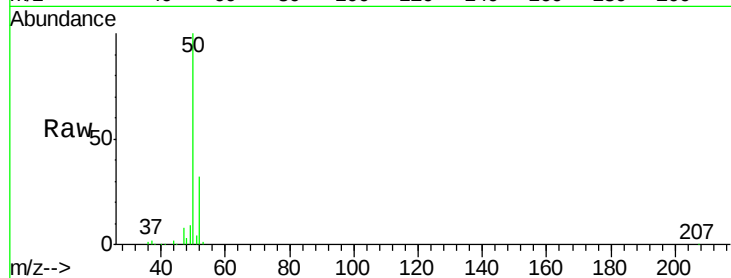
52 32.2 25.8 38.6

Manual Integrations

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3/11/2020 3:22:40 PM



#4

Vinyl Chloride

Concen: 45.056 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001918.D

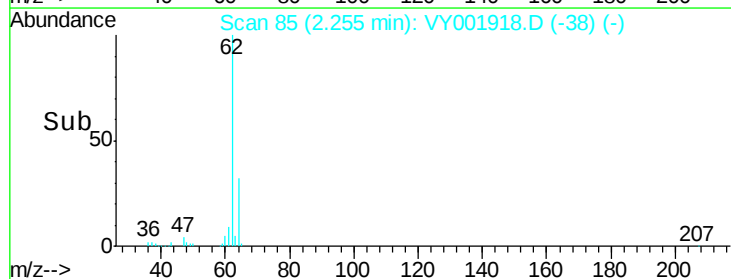
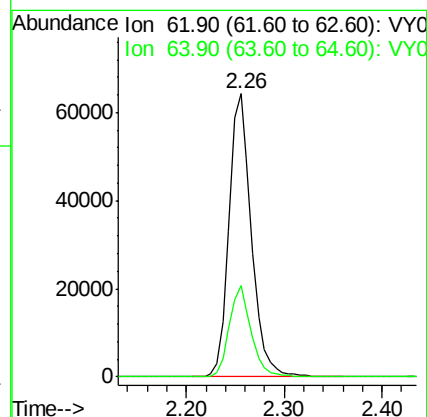
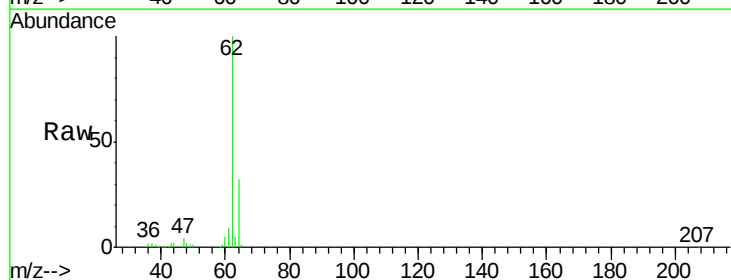
Acq: 10 Mar 2020 12:33

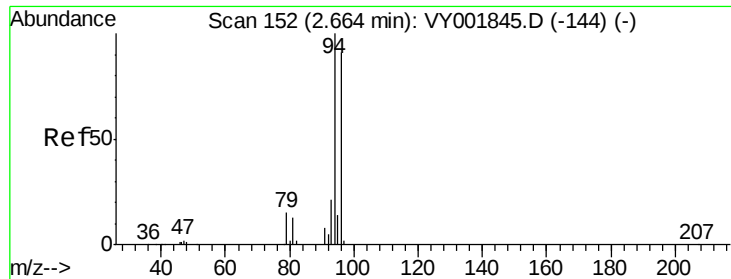
Tgt Ion: 62 Resp: 102011

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 49.902 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66005

Ion Ratio Lower Upper

94 100

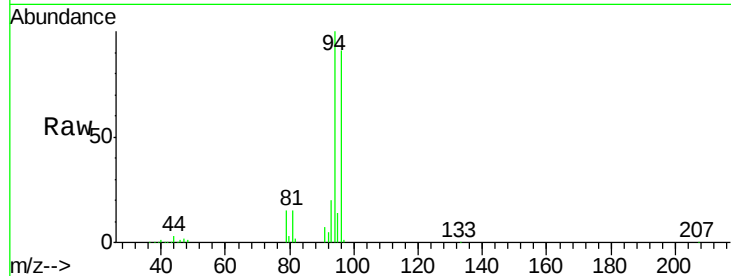
96 91.4 73.2 109.8

Manual Integrations

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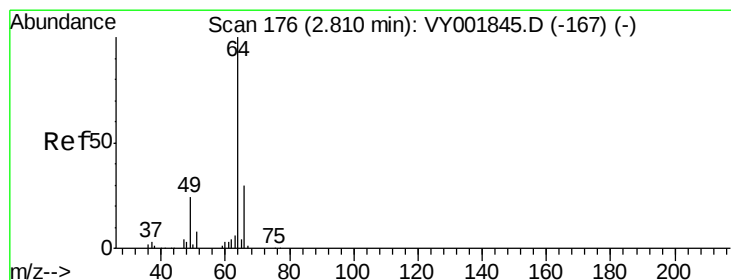
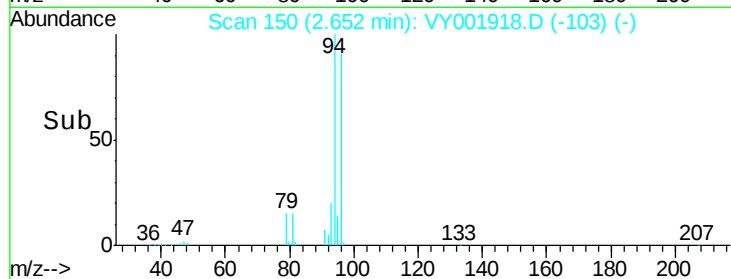
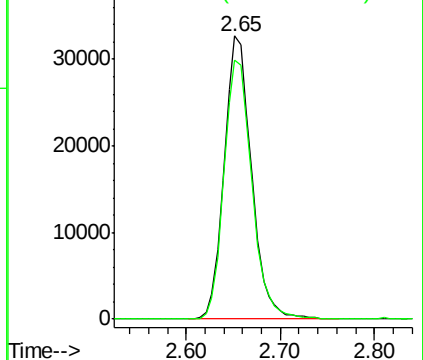
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 44.460 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001918.D

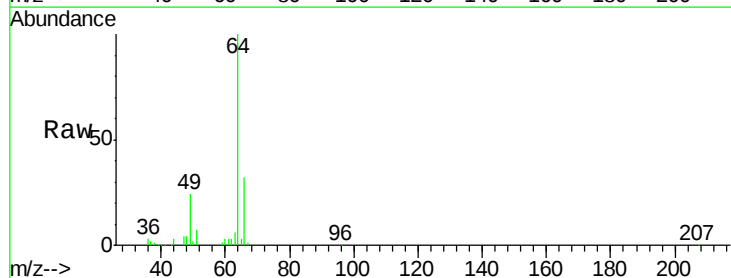
Acq: 10 Mar 2020 12:33

Tgt Ion: 64 Resp: 63232

Ion Ratio Lower Upper

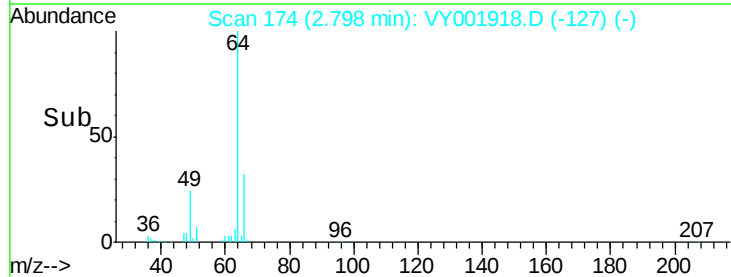
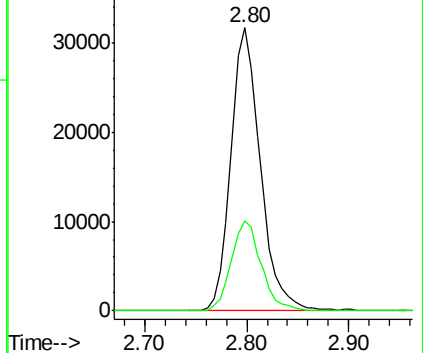
64 100

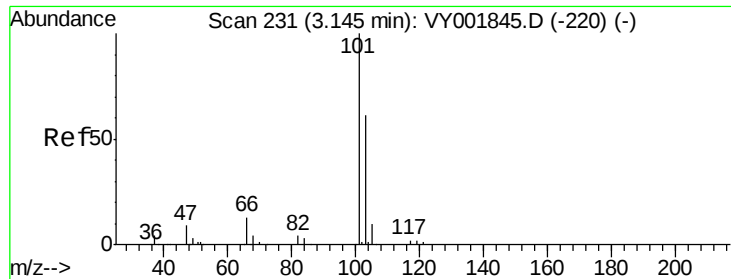
66 31.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

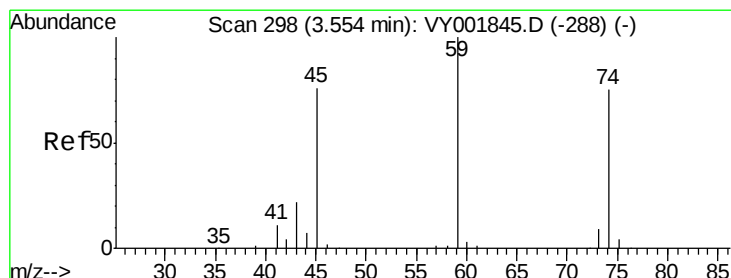
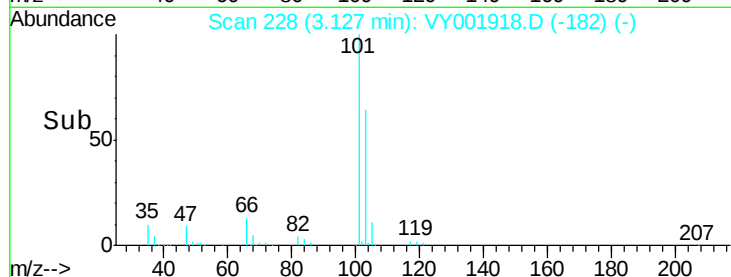
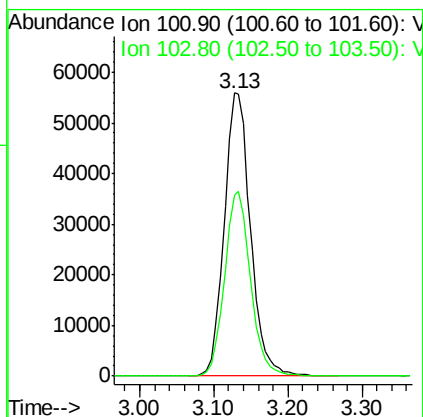
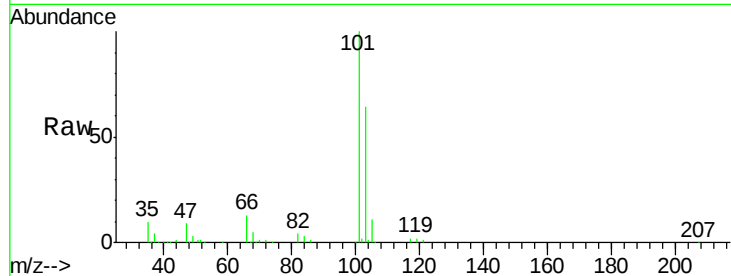
Trichlorofluoromethane
Concen: 44.827 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	49.1	73.7

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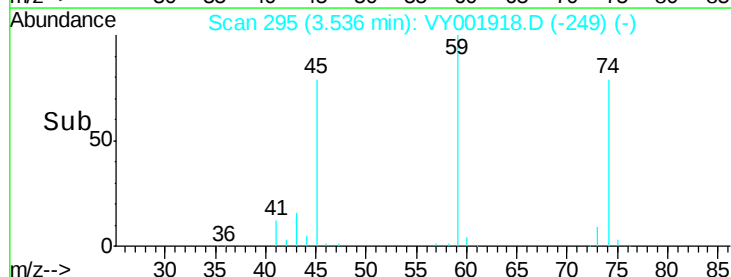
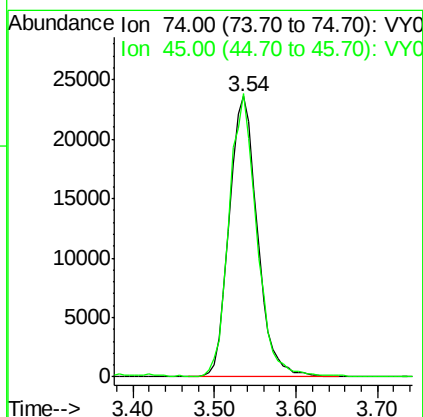
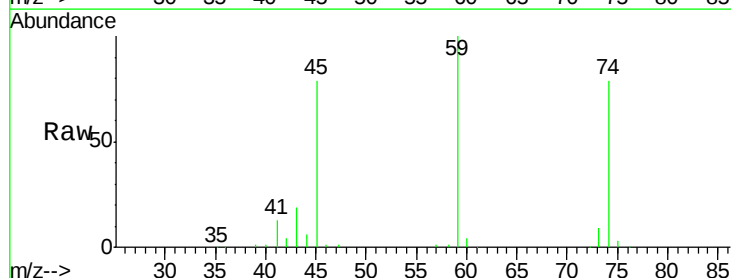
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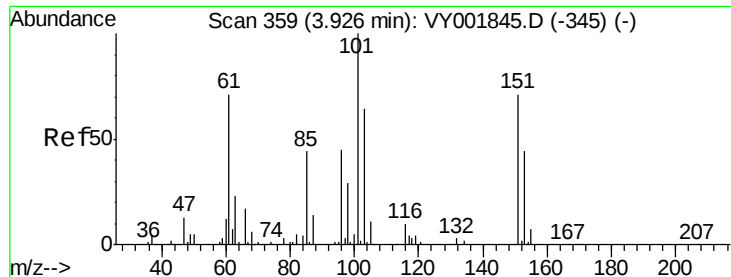


#8

Diethyl Ether
Concen: 46.349 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.002 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

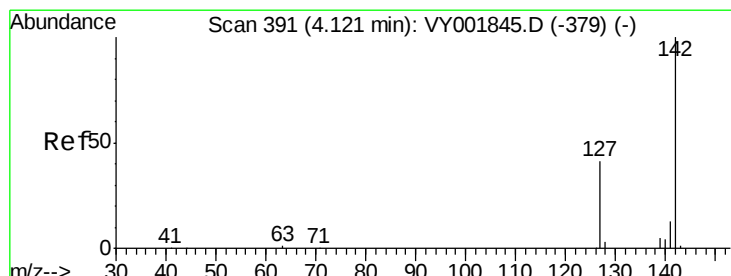
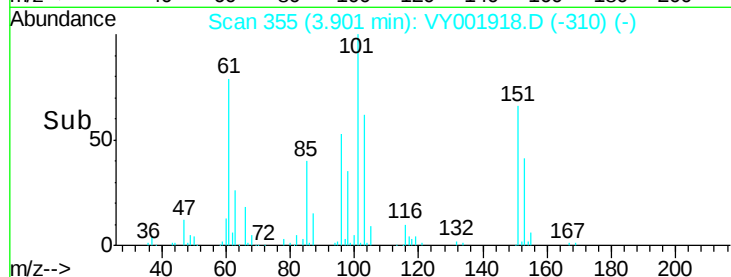
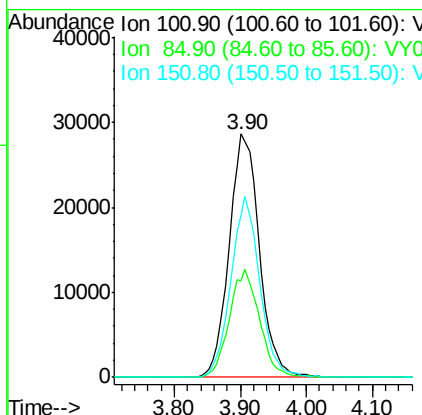
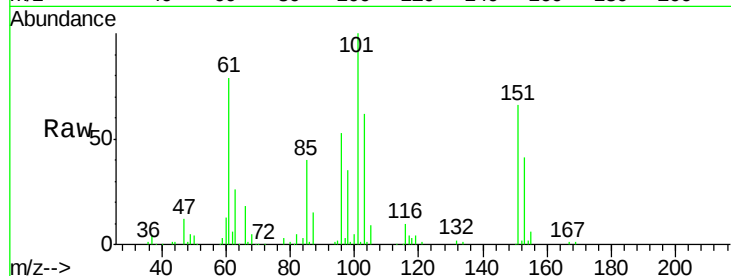
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90851
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.3	52.9
151	70.7	57.0	85.4

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#10

Methyl Iodide

Concen: 47.518 ug/l

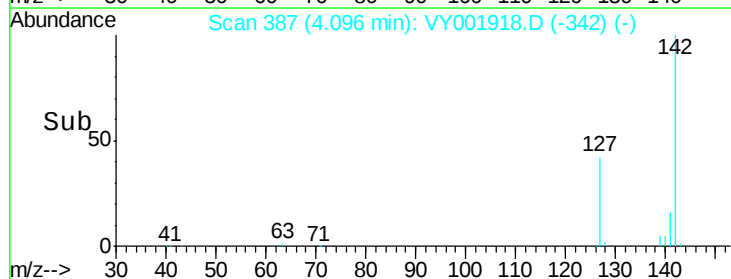
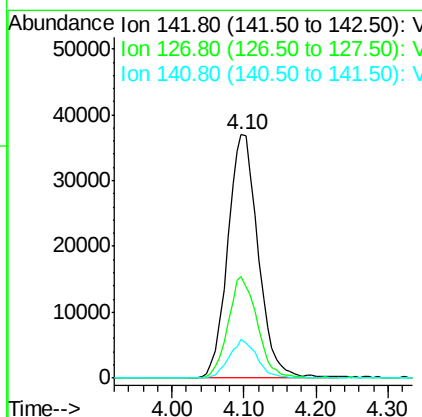
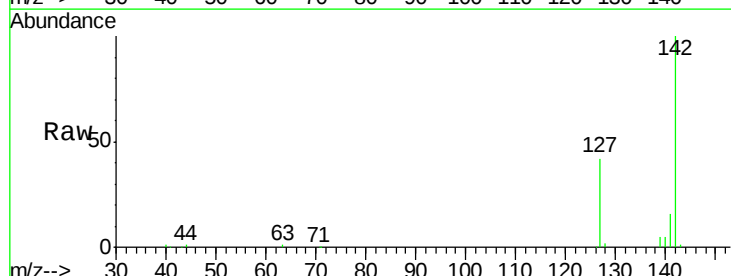
RT: 4.10 min Scan# 387

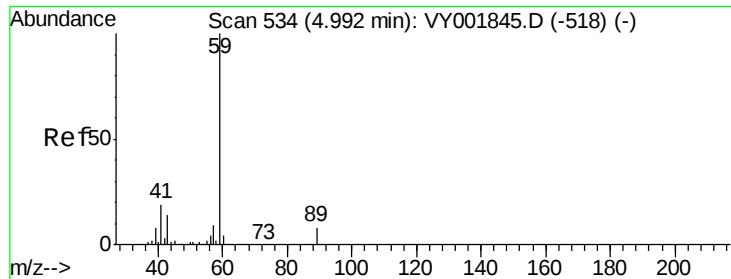
Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion:	142	Resp:	108525
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.7	49.1
141	14.4	11.0	16.6





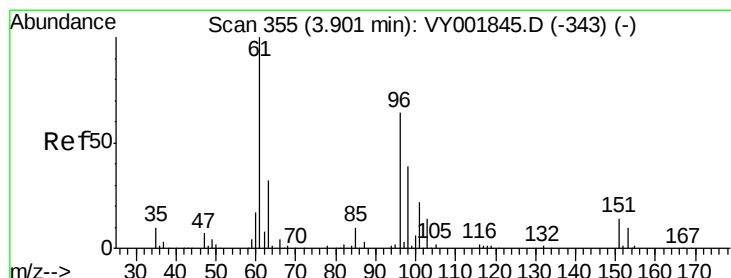
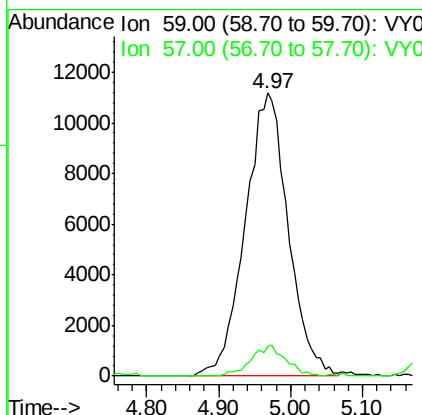
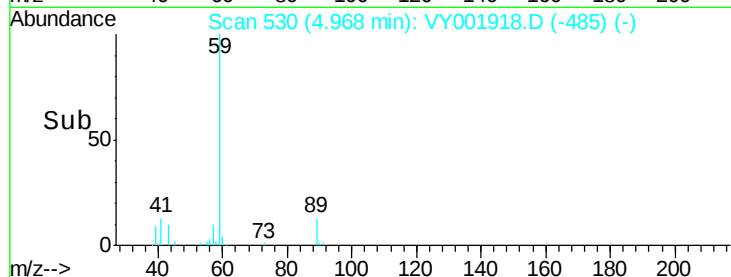
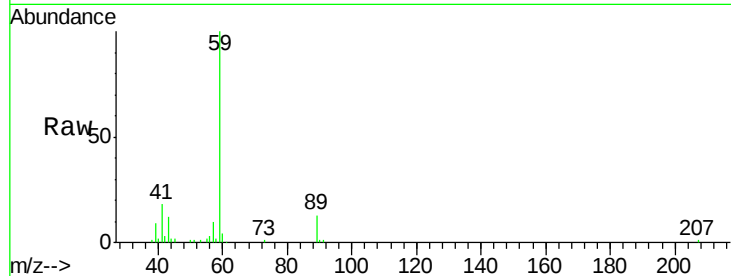
#11
Tert butyl alcohol
Concen: 231.771 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 46380
Ion Ratio Lower Upper
59 100
57 8.8 7.4 11.2

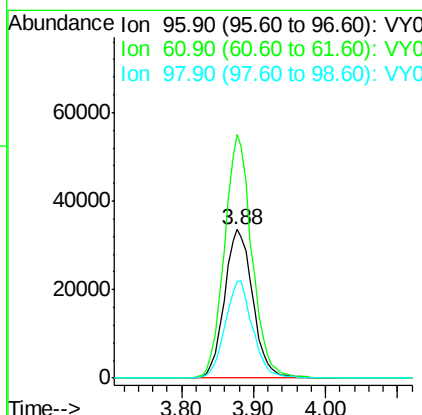
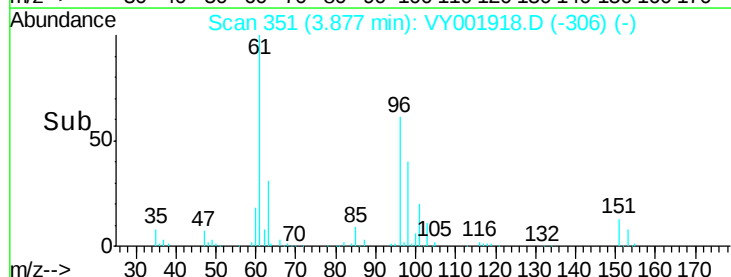
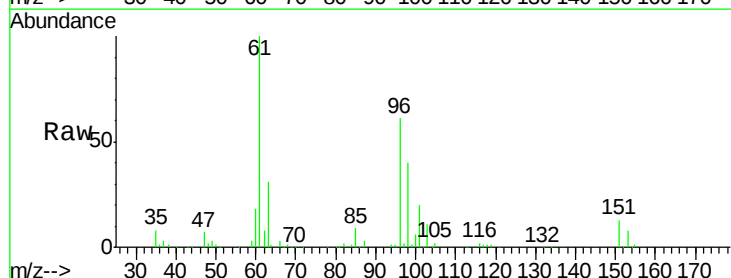
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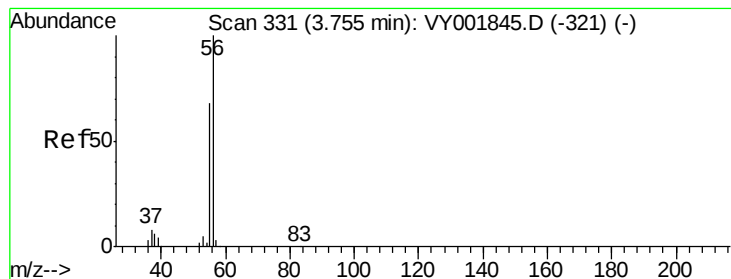
MMDadoda
3/11/2020 3:22:40 PM



#12
1,1-Dichloroethene
Concen: 46.165 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion: 96 Resp: 91801
Ion Ratio Lower Upper
96 100
61 163.8 124.8 187.2
98 65.0 49.2 73.8





#13

Acrolein

Concen: 259.051 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69507

Ion Ratio Lower Upper

56 100

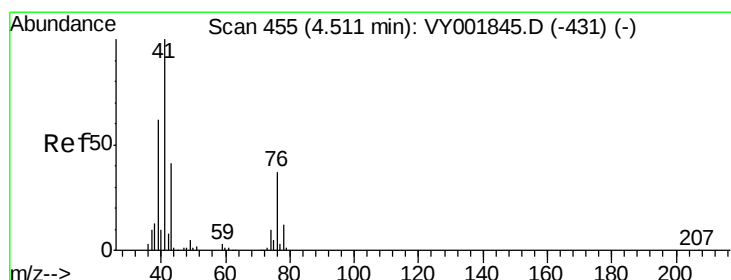
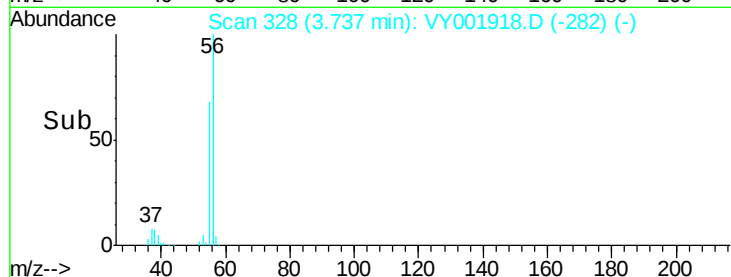
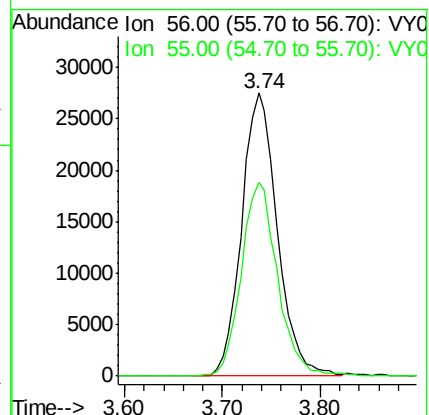
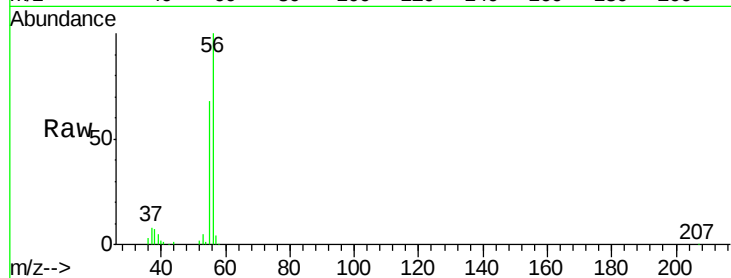
55 69.6 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 46.000 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

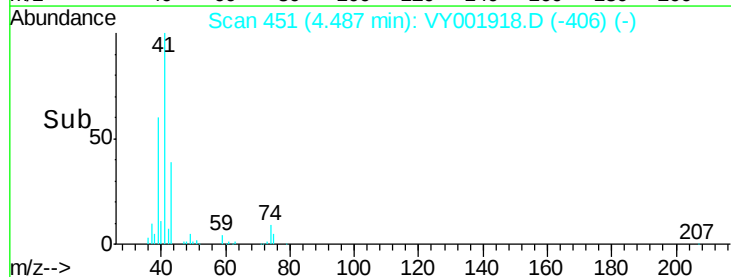
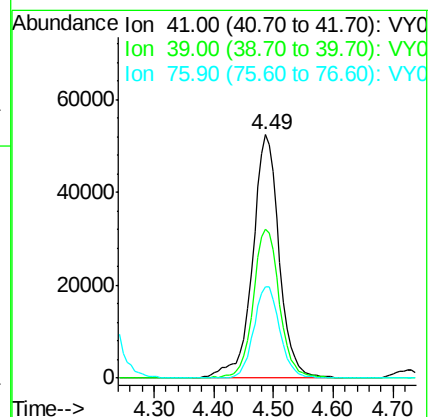
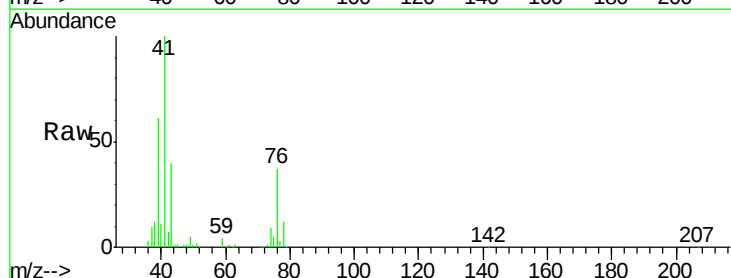
Tgt Ion: 41 Resp: 162163

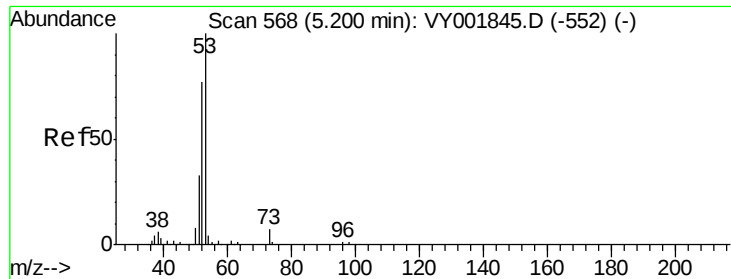
Ion Ratio Lower Upper

41 100

39 60.6 49.0 73.6

76 36.8 28.9 43.3





#15

Acrylonitrile

Concen: 223.889 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

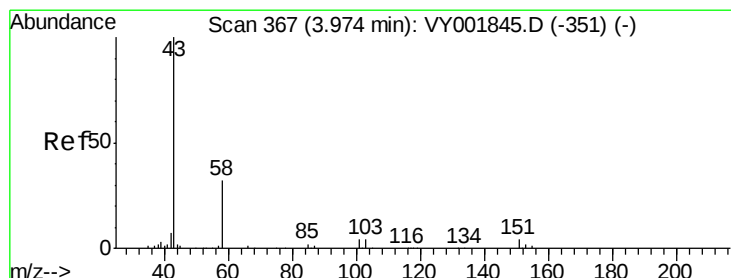
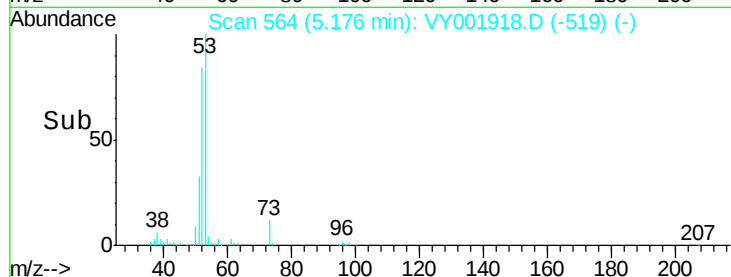
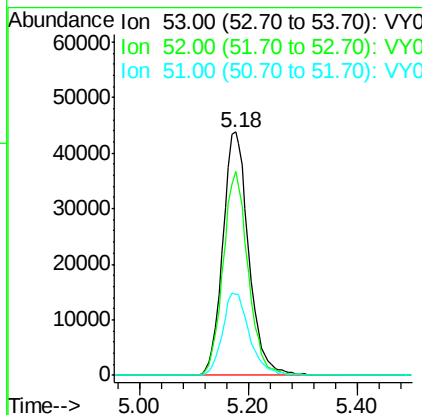
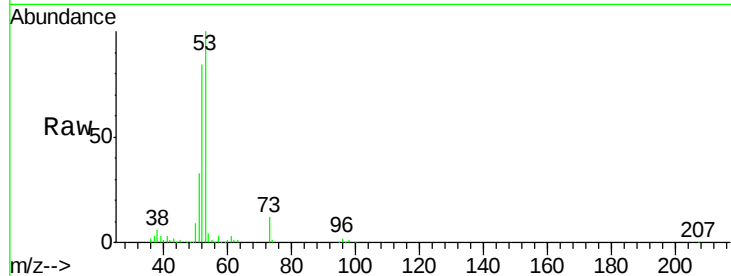
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	144785
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.1	97.7
51	35.2	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 269.578 ug/l

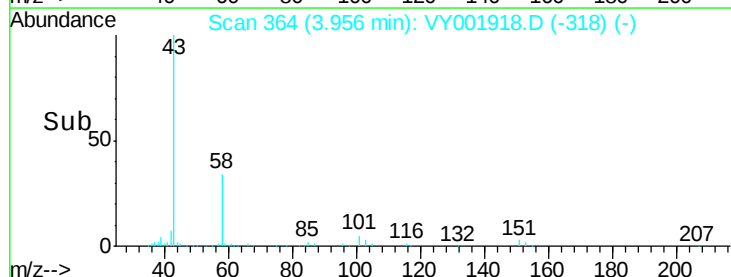
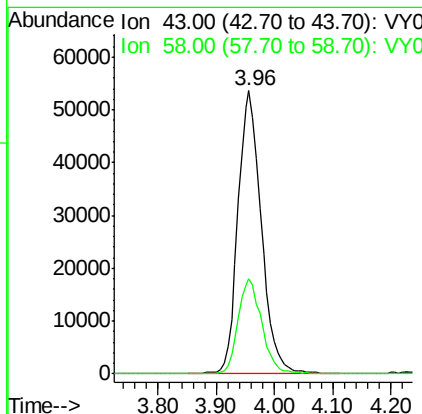
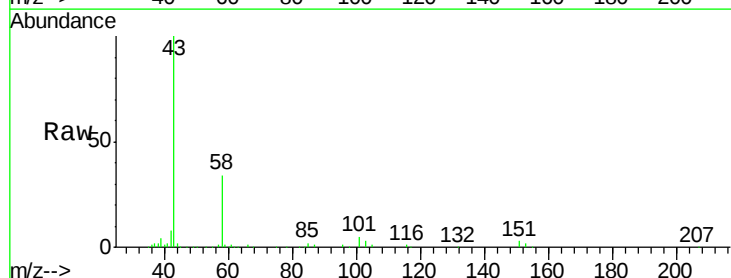
RT: 3.96 min Scan# 364

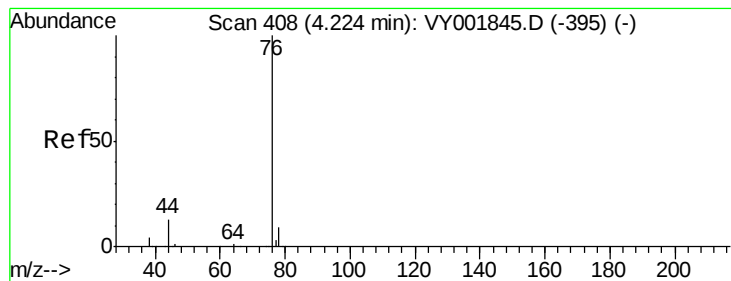
Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion:	43	Resp:	149920
Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.9	38.9





#17

Carbon Disulfide

Concen: 44.452 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 297150

Ion Ratio Lower Upper

76 100

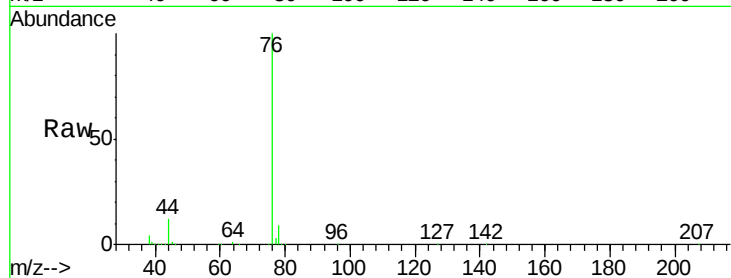
78 8.5 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

120000

100000

80000

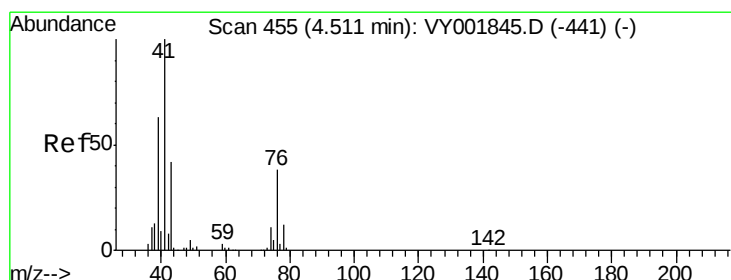
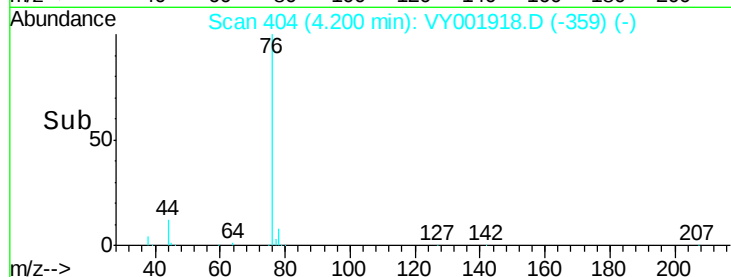
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 43.323 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001918.D

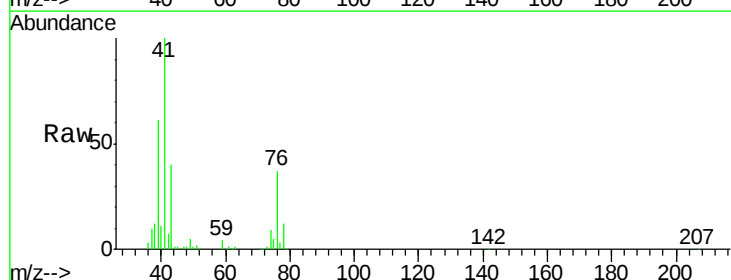
Acq: 10 Mar 2020 12:33

Tgt Ion: 43 Resp: 61905

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

20000

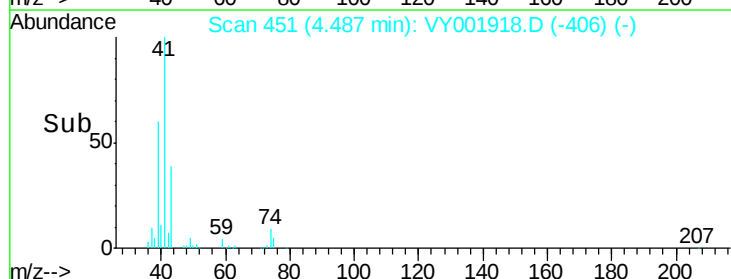
15000

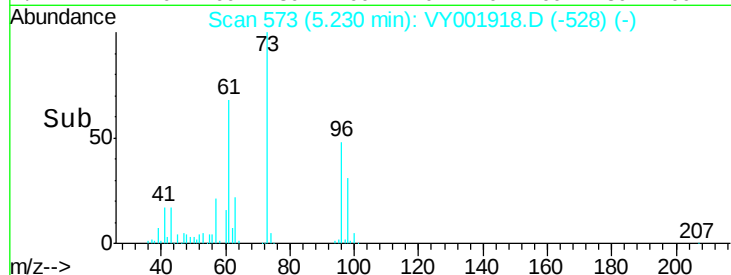
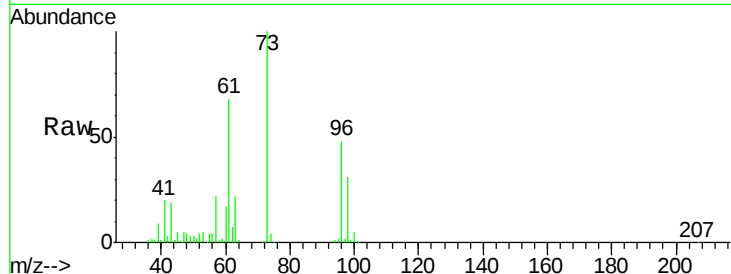
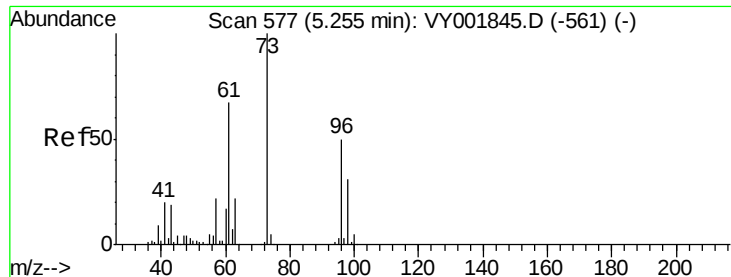
10000

5000

0

Time-->





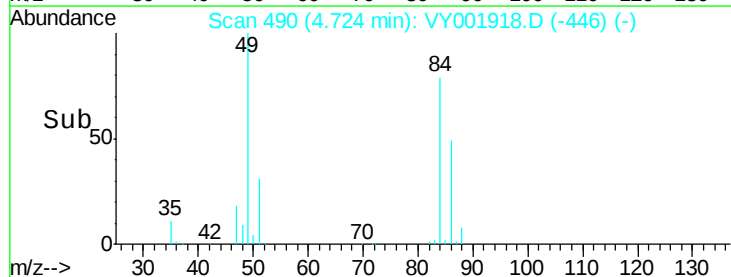
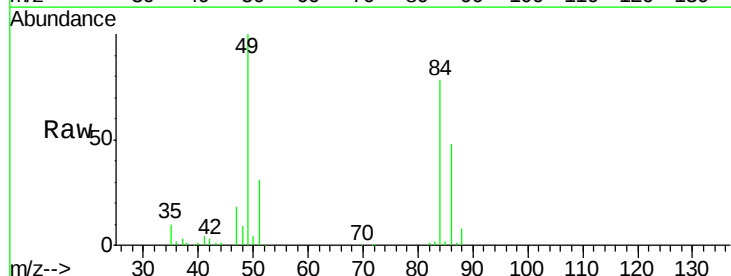
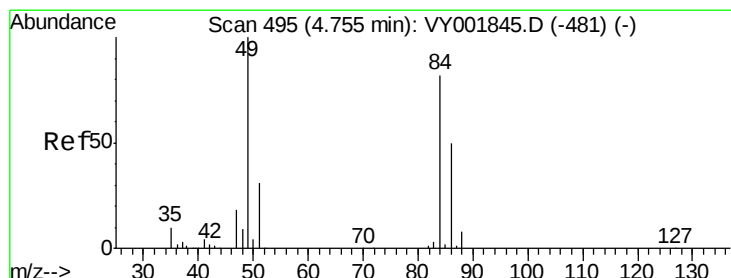
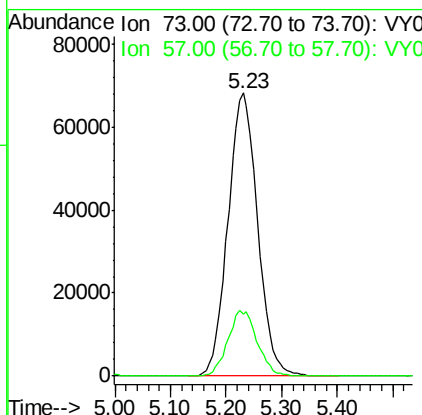
#19
Methyl tert-butyl Ether
Concen: 46.736 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tot Ion: 73 Resp: 251850
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

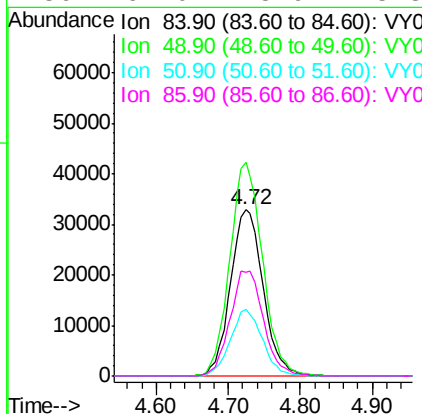
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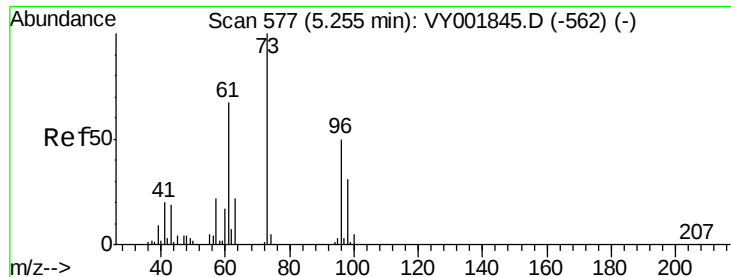
MMDadoda
3/11/2020 3:22:40 PM



#20
Methylene Chloride
Concen: 43.511 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion: 84 Resp: 103707
Ion Ratio Lower Upper
84 100
49 128.5 98.2 147.2
51 40.4 30.2 45.2
86 62.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 45.778 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 103323

Ion Ratio Lower Upper

96 100

61 142.1 107.7 161.5

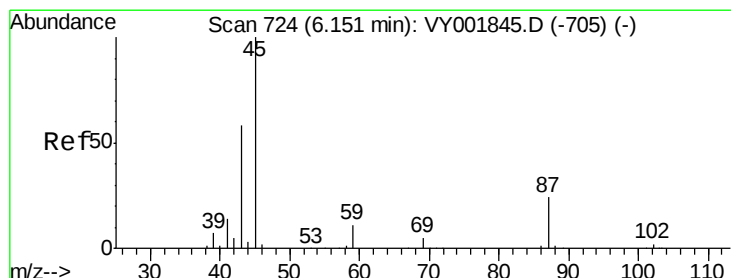
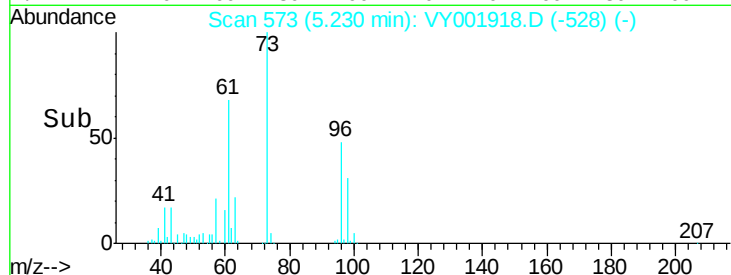
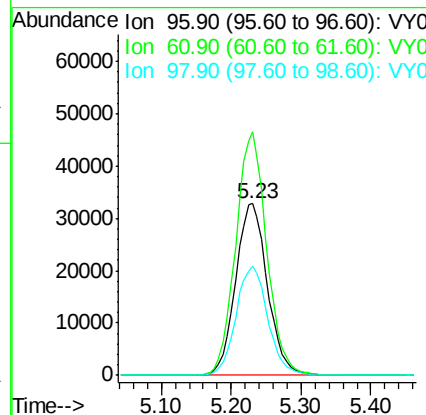
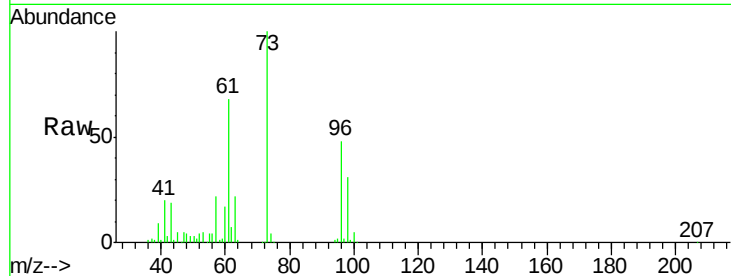
98 63.5 49.3 73.9

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#22

Diisopropyl ether

Concen: 46.203 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion: 45 Resp: 333876

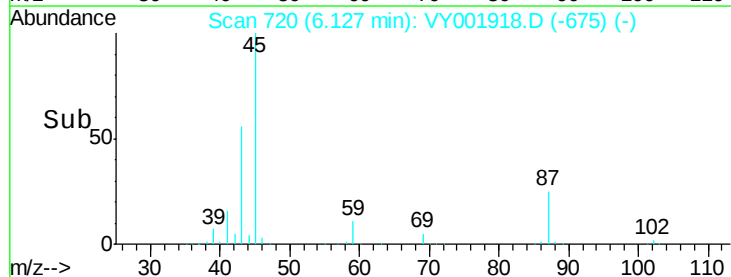
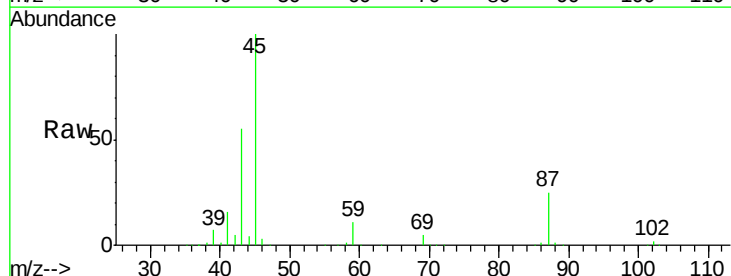
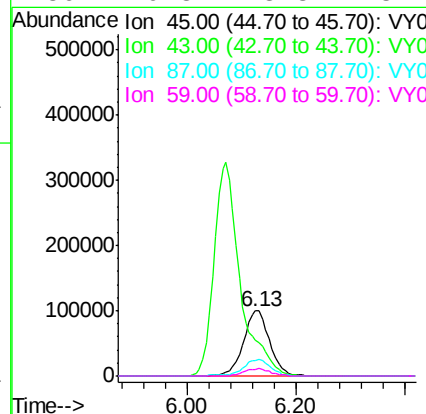
Ion Ratio Lower Upper

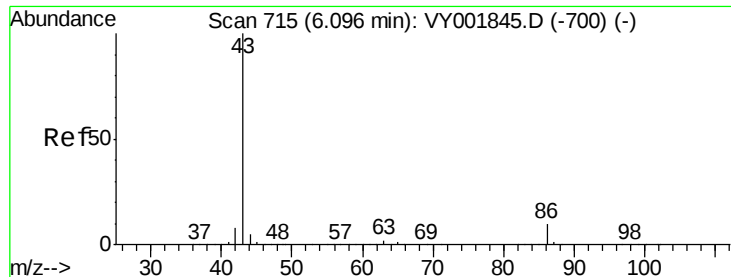
45 100

43 55.2 47.2 70.8

87 24.6 19.8 29.8

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 229.887 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1089038

Ion Ratio Lower Upper

43 100

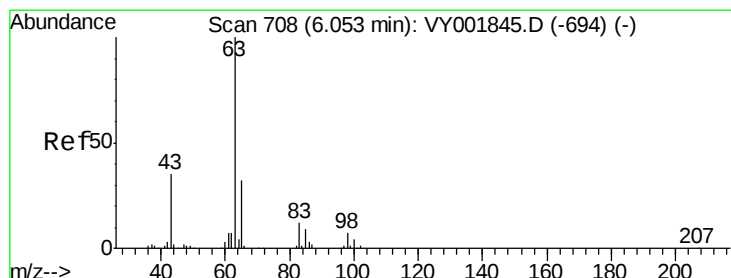
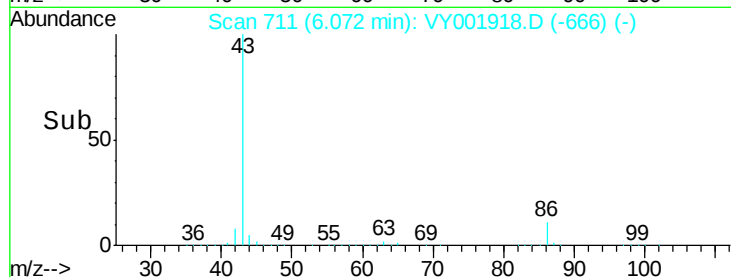
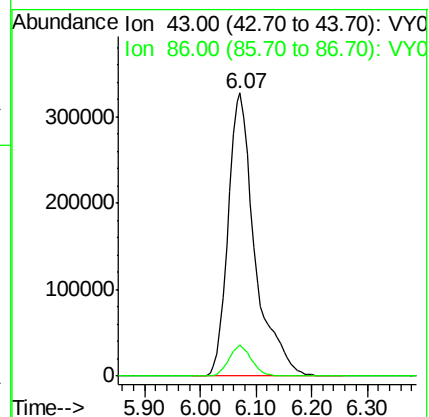
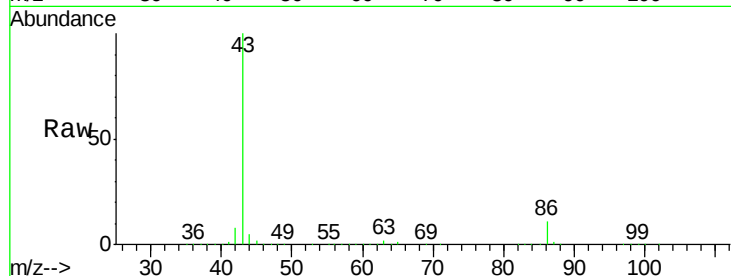
86 10.9 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.135 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

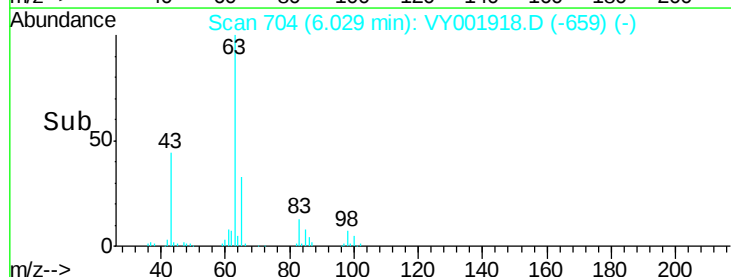
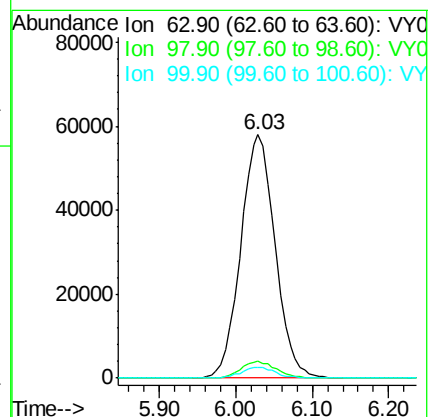
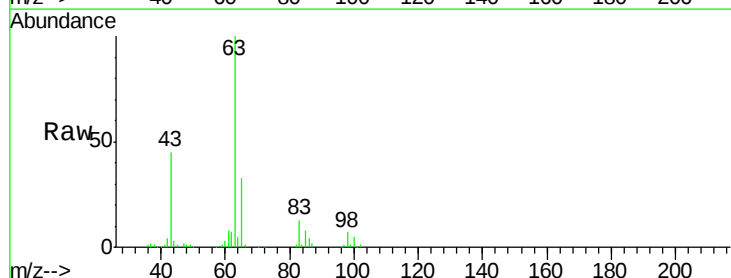
Tgt Ion: 63 Resp: 180537

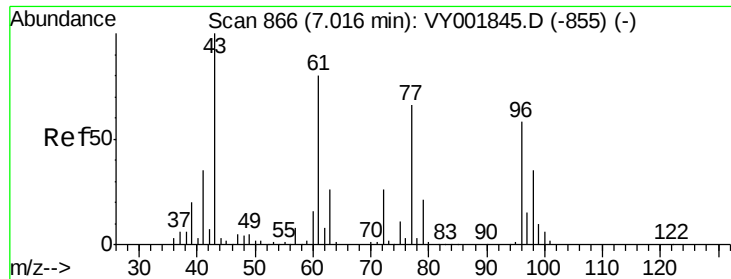
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.0 6.0





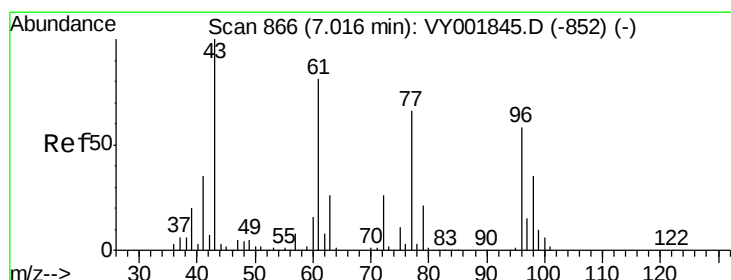
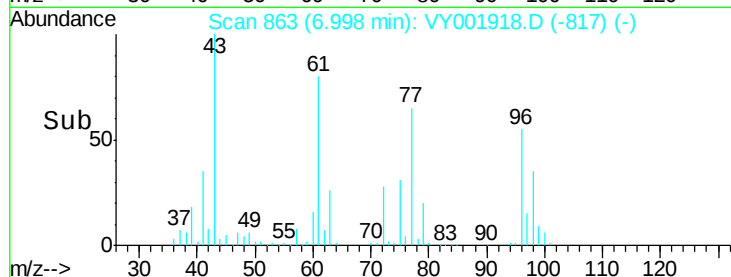
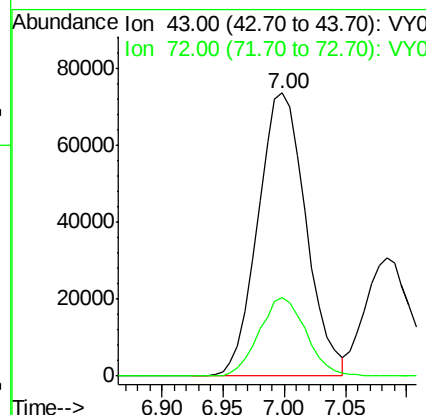
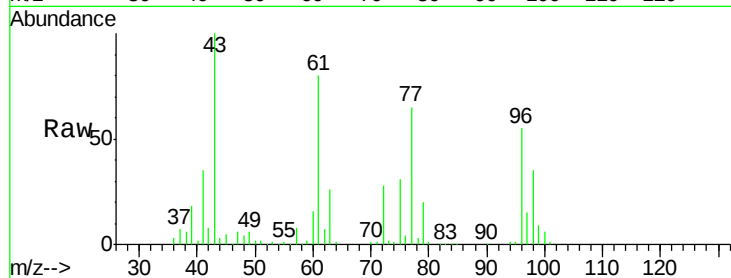
#25
2-Butanone
Concen: 238.546 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 201743
Ion Ratio Lower Upper
43 100
72 27.6 20.9 31.3

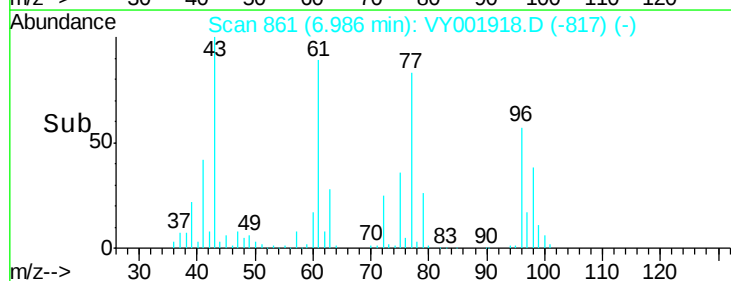
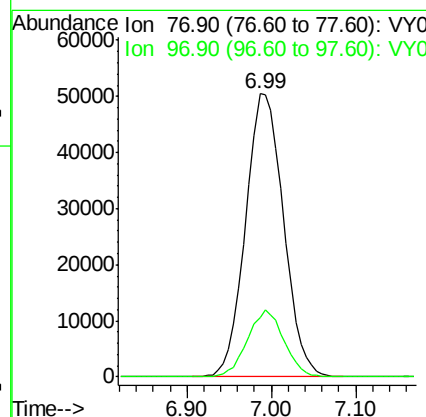
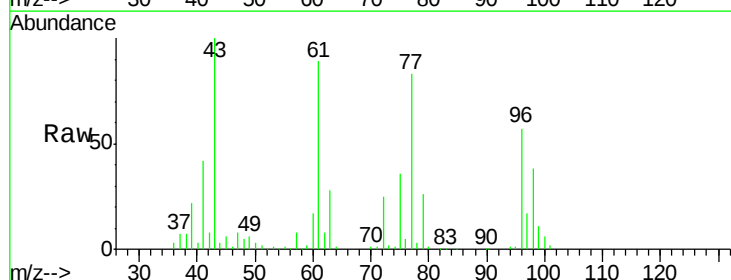
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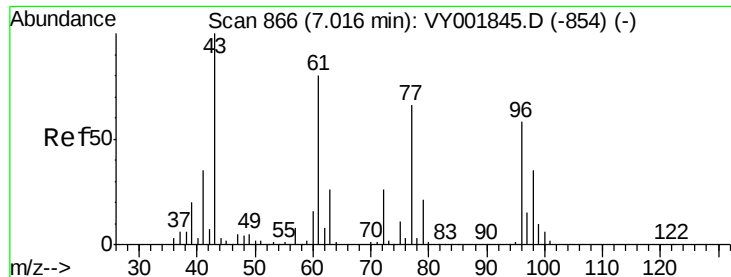
MMDadoda
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#26
2,2-Dichloropropane
Concen: 48.015 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.03 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion: 77 Resp: 154218
Ion Ratio Lower Upper
77 100
97 22.8 11.9 35.7





#27

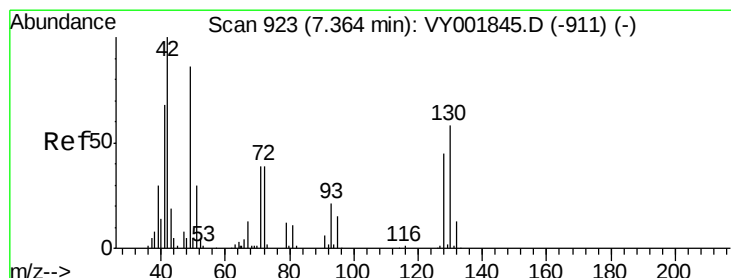
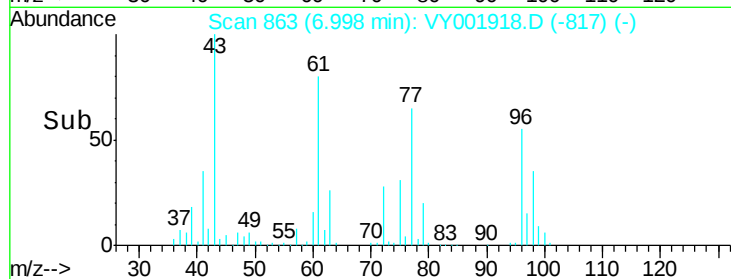
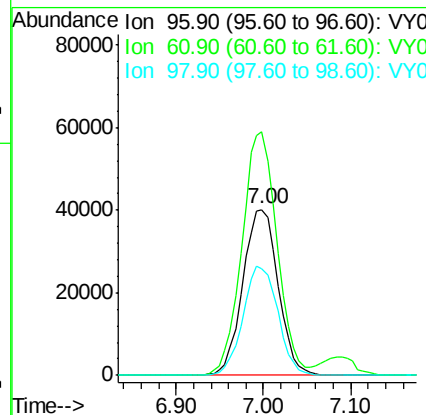
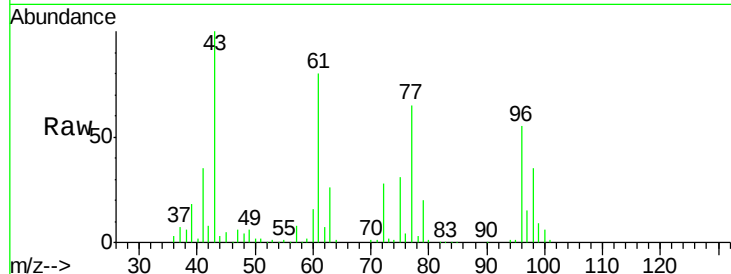
cis-1,2-Dichloroethene
Concen: 46.061 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.4	0.0	288.2	
98	65.1	0.0	129.0	

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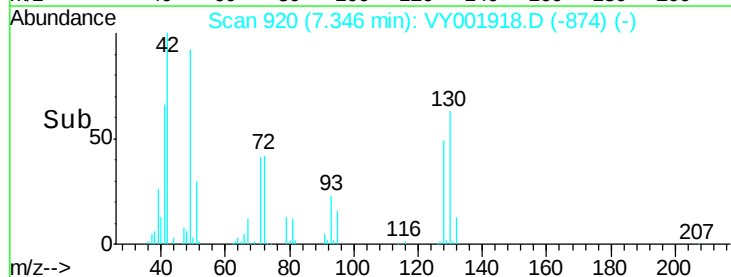
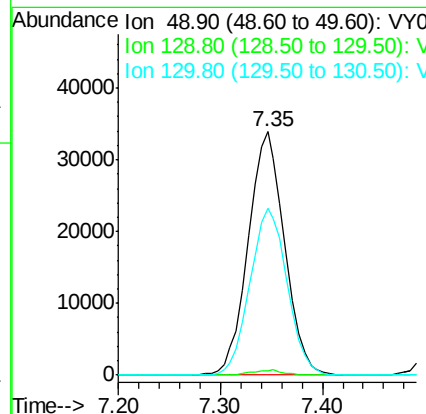
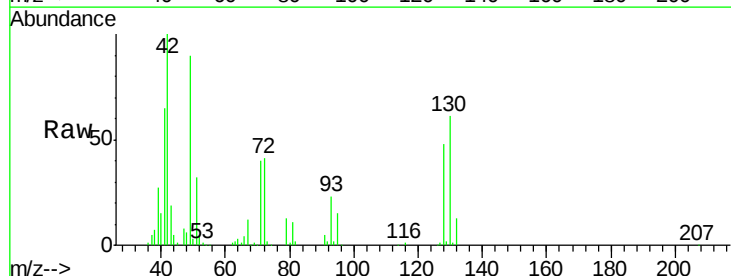
MMDadoda
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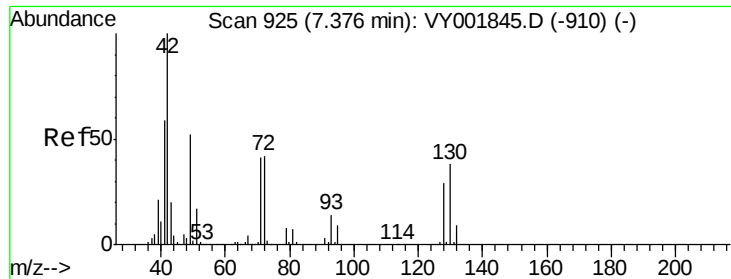


#28

Bromochloromethane
Concen: 47.568 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	70.3	54.4	81.6	





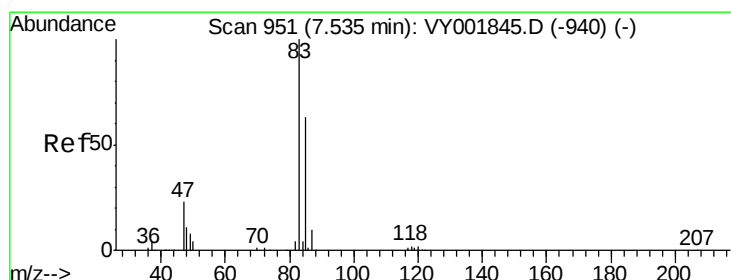
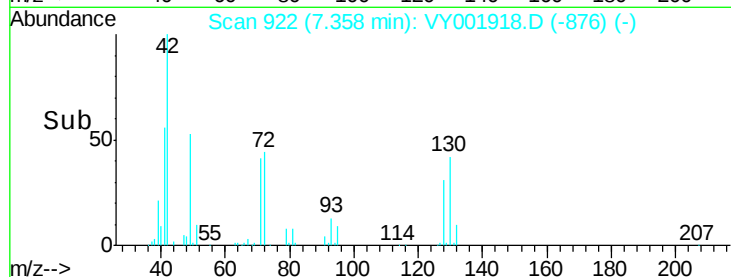
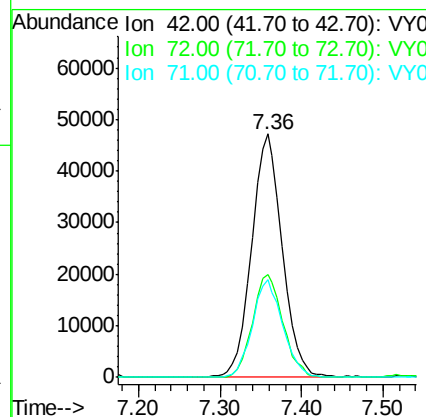
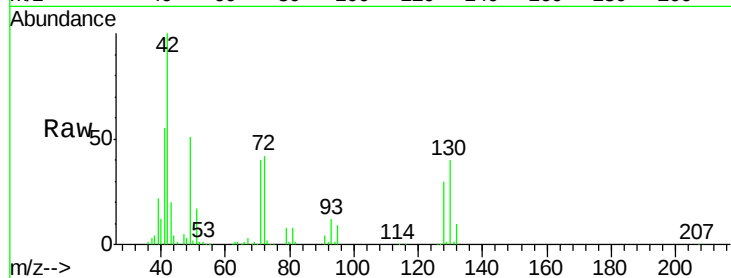
#29
Tetrahydrofuran
Concen: 220.197 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.5	50.3
71	39.7	31.3	46.9

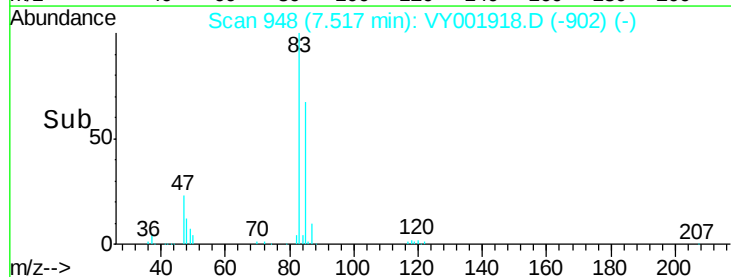
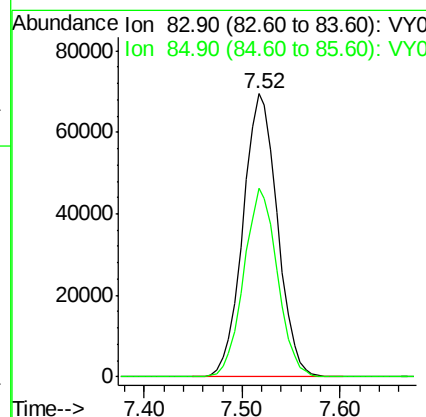
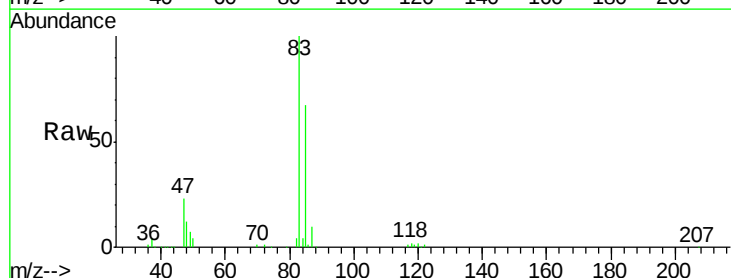
Manual Integrations
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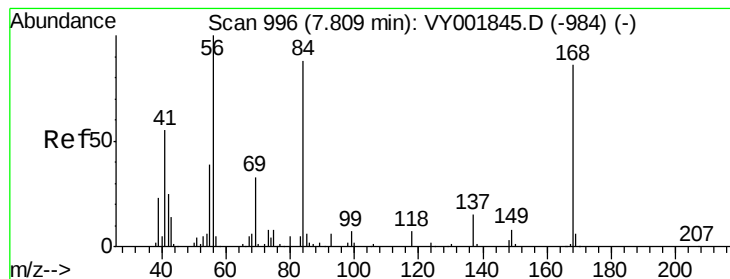
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#30
Chloroform
Concen: 46.056 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.7	76.1





#31

Cyclohexane

Concen: 44.432 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 186429

Ion Ratio Lower Upper

56 100

69 32.2 26.7 40.1

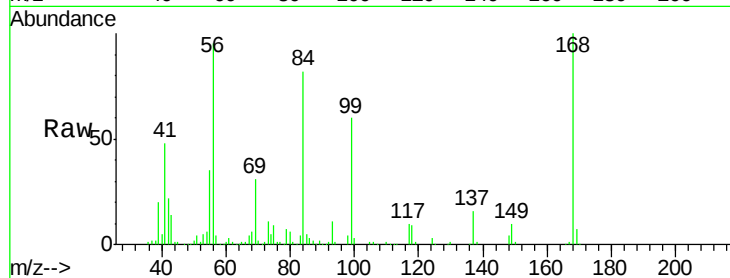
84 85.3 70.4 105.6

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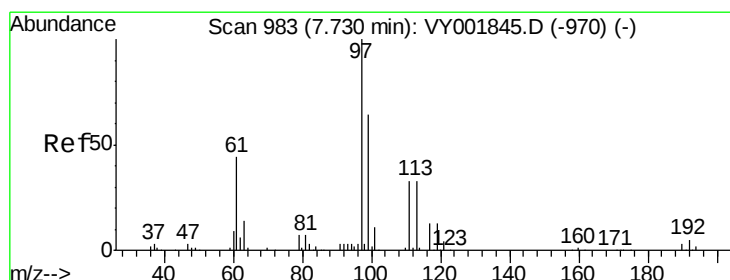
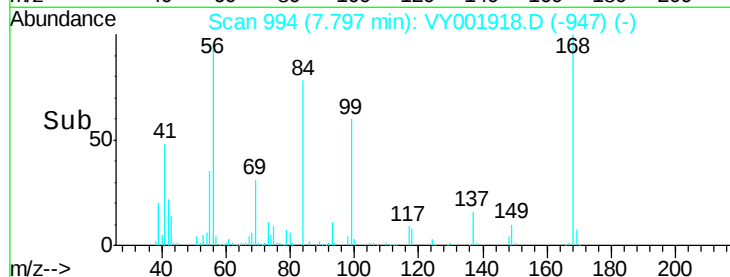
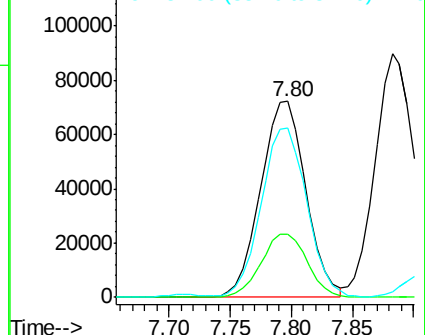
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 46.616 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

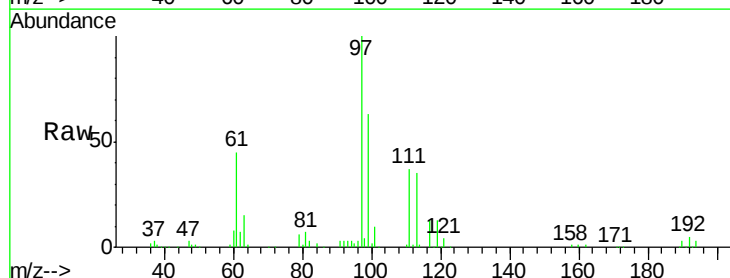
Tgt Ion: 97 Resp: 144452

Ion Ratio Lower Upper

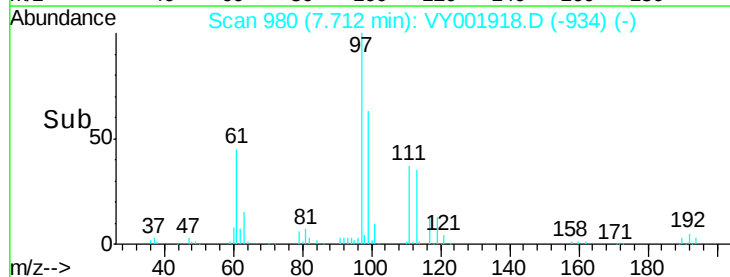
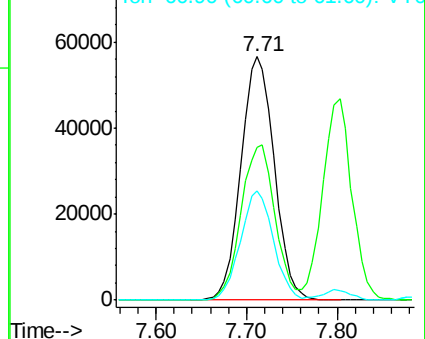
97 100

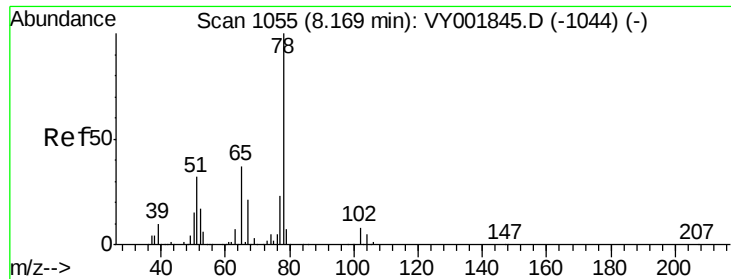
99 65.3 52.0 78.0

61 44.5 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 50.115 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 95689

Ion Ratio Lower Upper

65 100

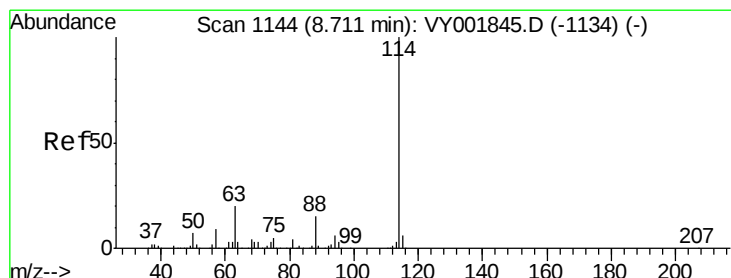
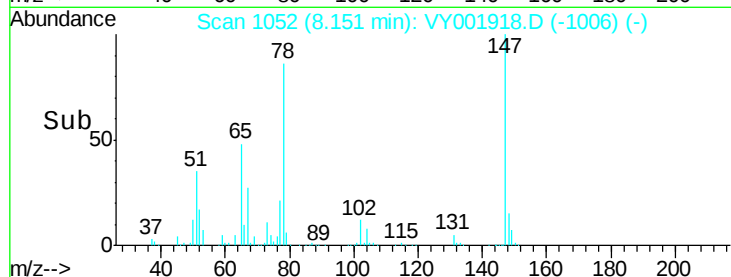
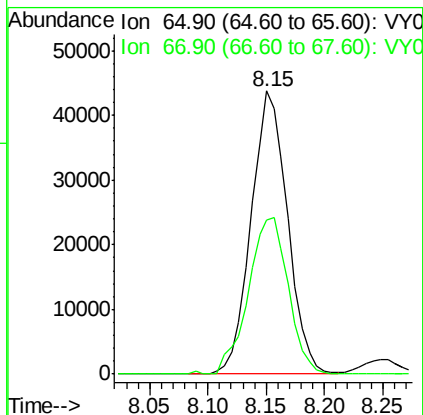
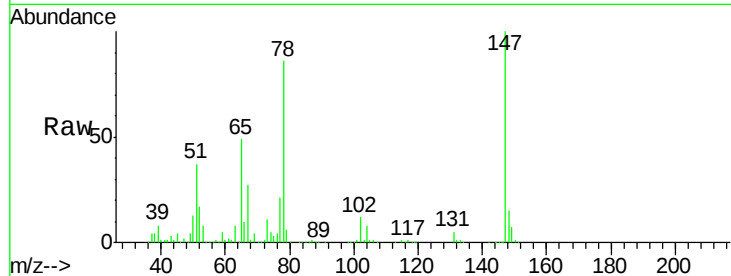
67 60.3 0.0 110.8

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3/11/2020 3:22:40 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

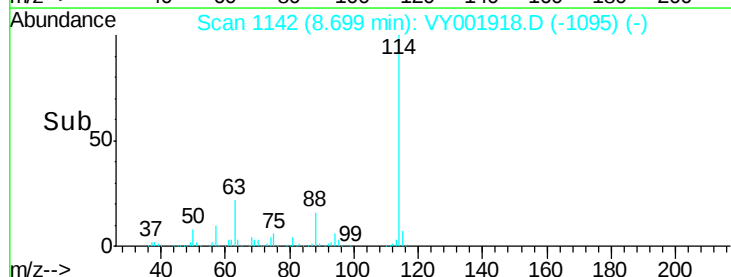
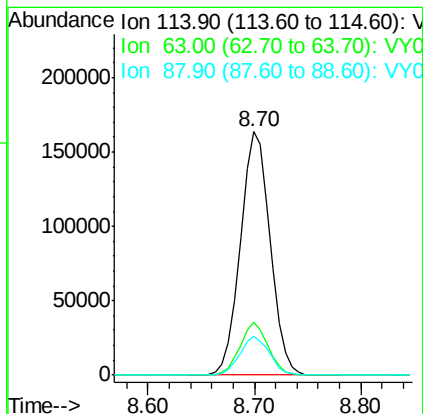
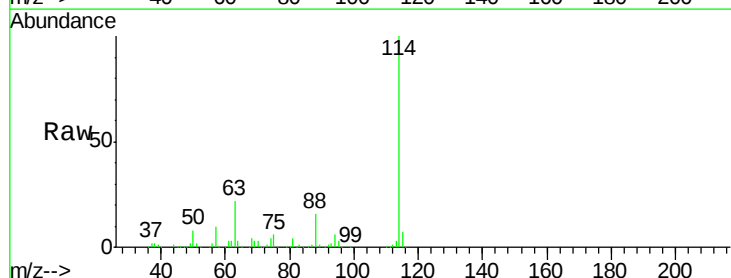
Tgt Ion: 114 Resp: 320981

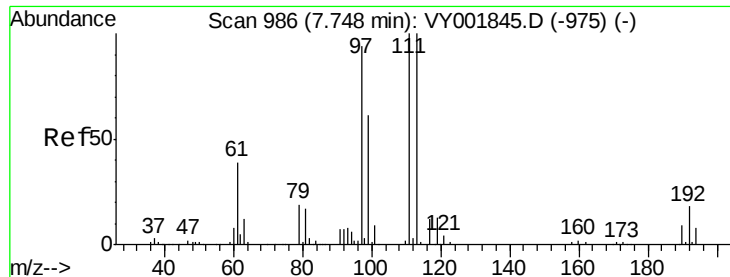
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.4

88 15.9 0.0 30.4





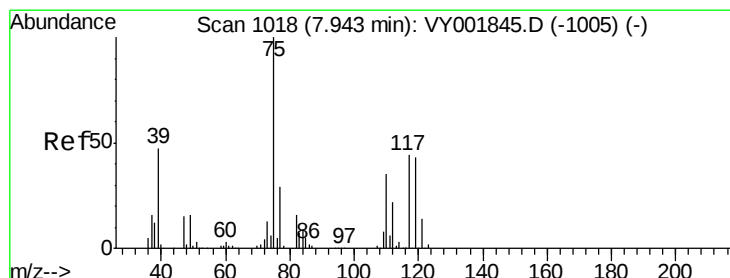
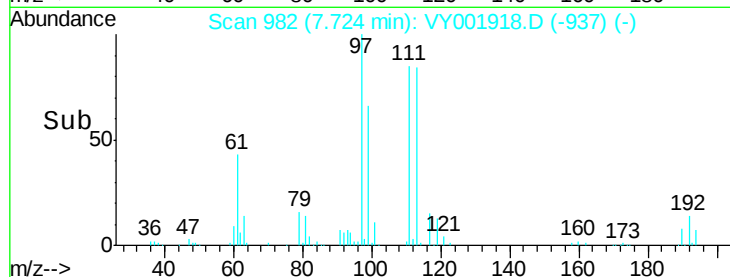
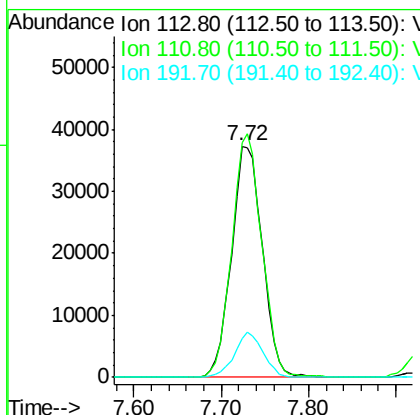
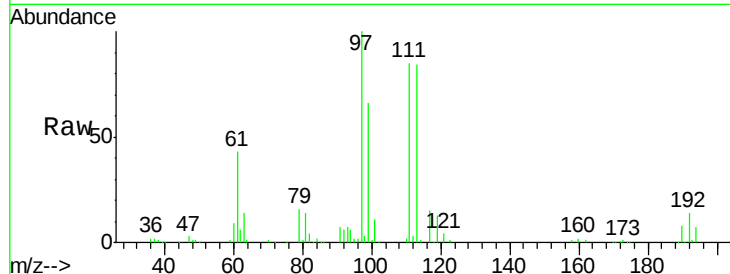
#35
Dibromofluoromethane
Concen: 52.149 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	18.0	14.2	21.2

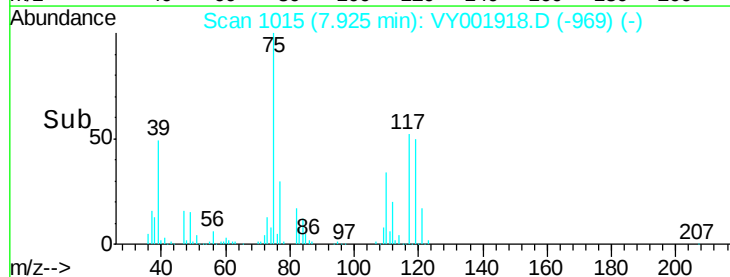
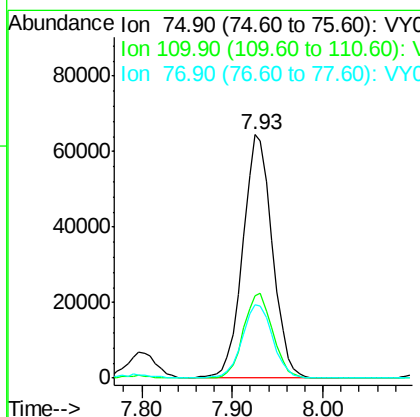
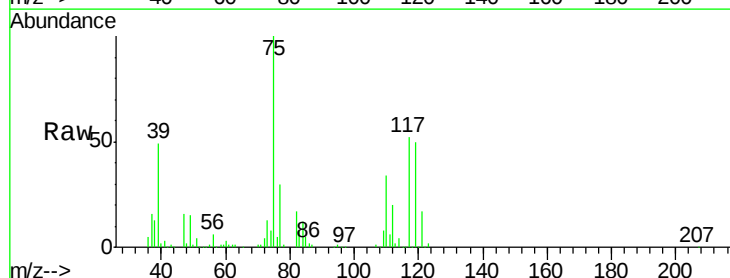
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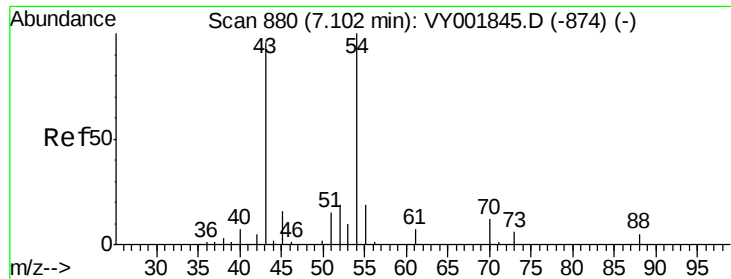
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3/11/2020 3:22:40 PM



#36
1,1-Dichloropropene
Concen: 46.861 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.4	52.2
77	31.2	24.2	36.2





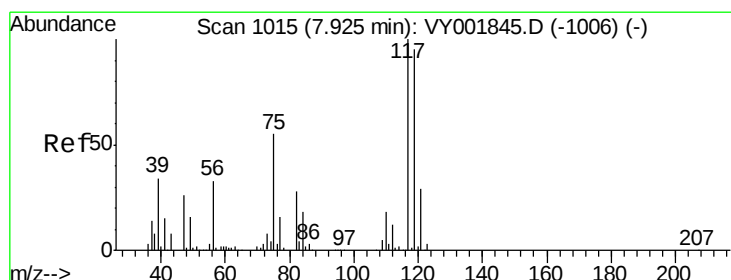
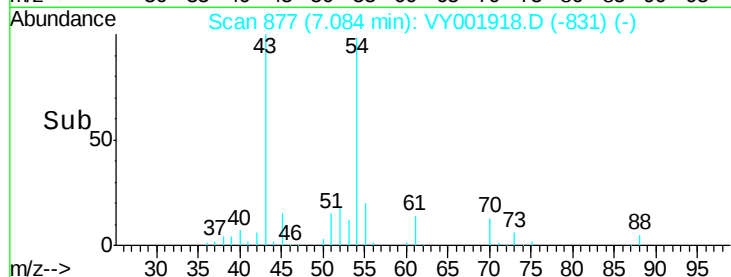
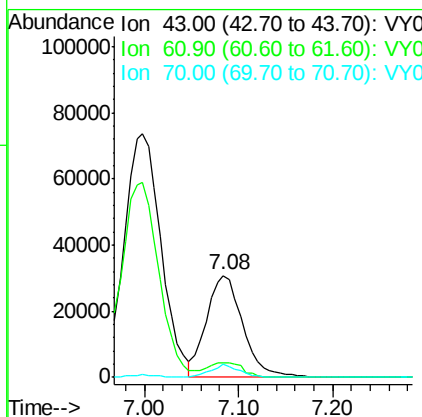
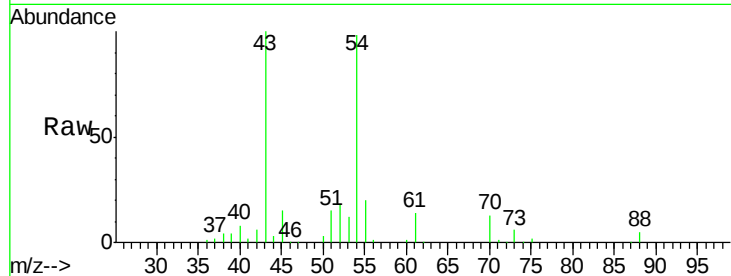
#37
Ethyl Acetate
Concen: 45.969 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.5	8.2	12.4

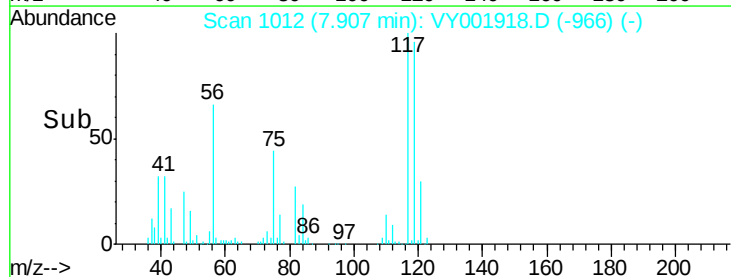
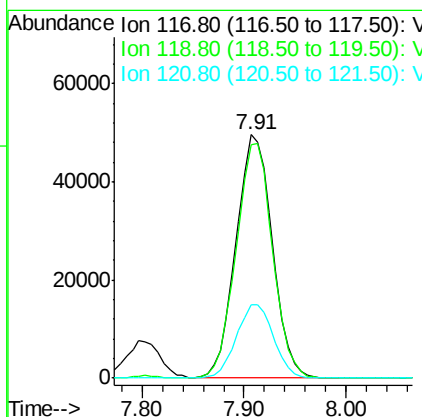
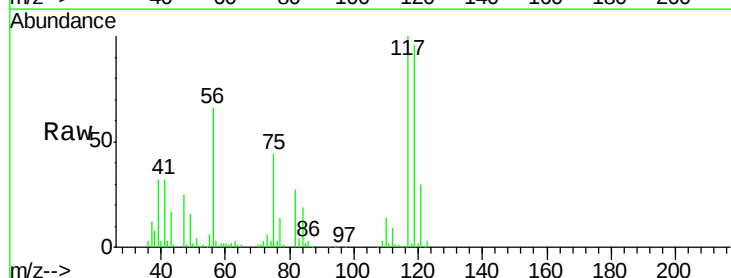
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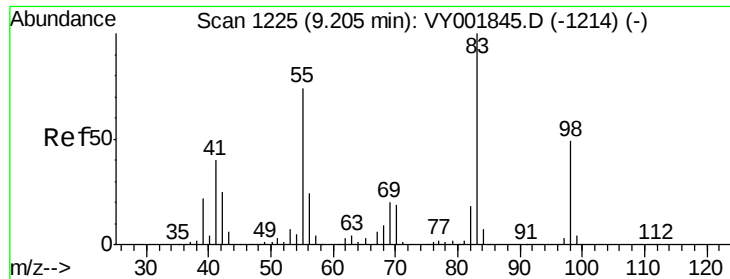
MMDadoda
3/11/2020 3:22:40 PM



#38
Carbon Tetrachloride
Concen: 46.497 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	30.0	23.5	35.3





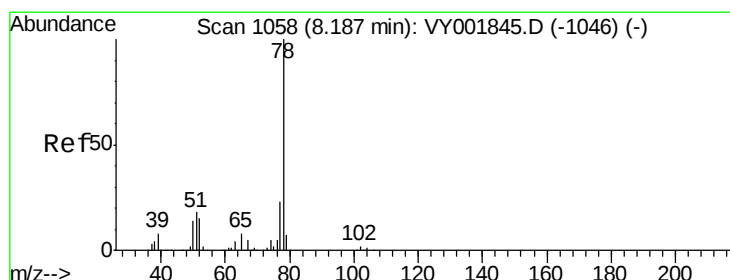
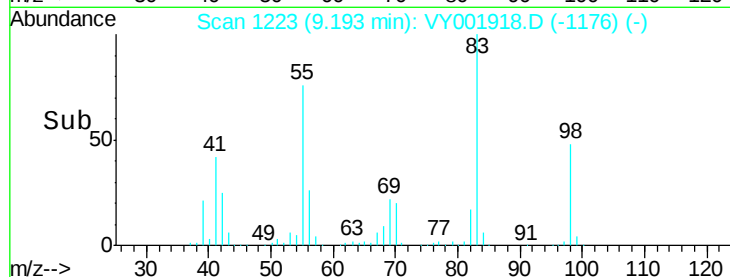
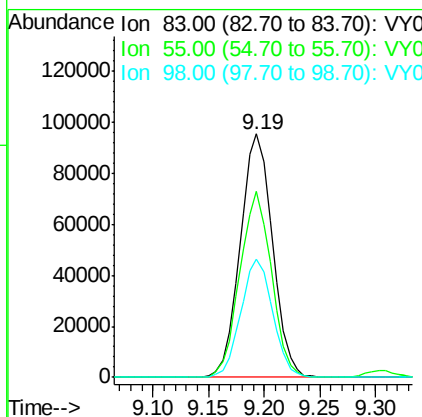
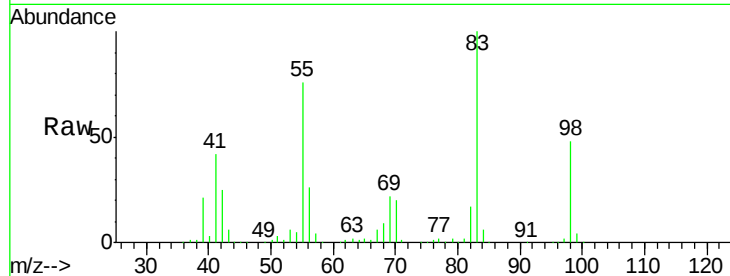
#39
Methvlcvclohexane
Concen: 46.903 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	192151		
55	76.4	59.4	89.0	
98	48.4	38.9	58.3	

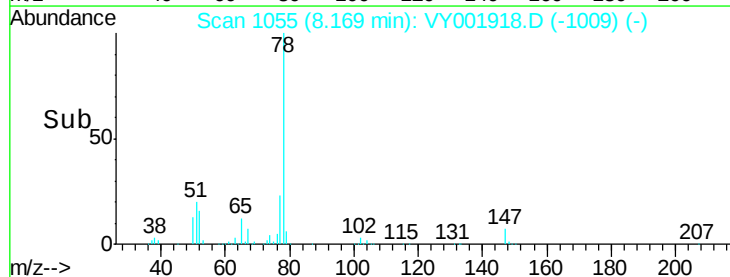
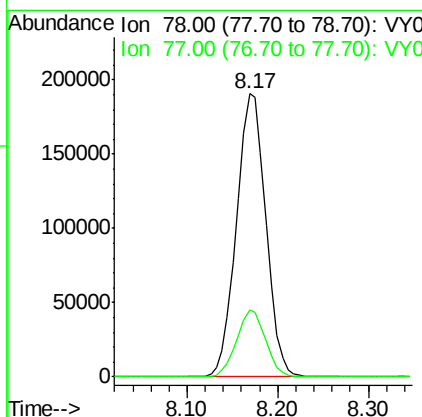
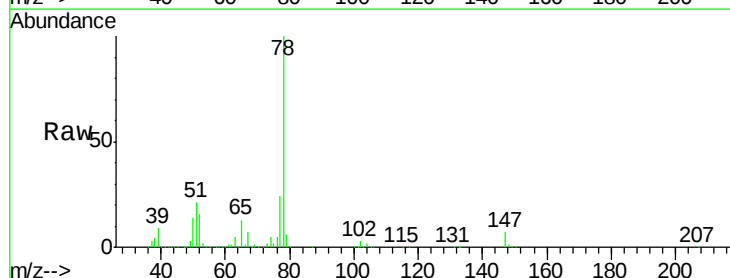
Manual Integrations
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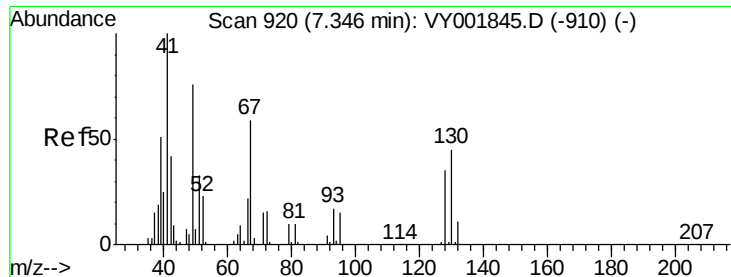
MMDadoda
3/11/2020 3:22:40 PM



#40
Benzene
Concen: 46.771 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	428198		
77	23.6	18.7	28.1	





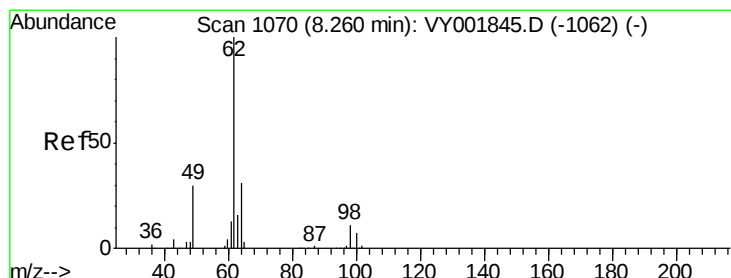
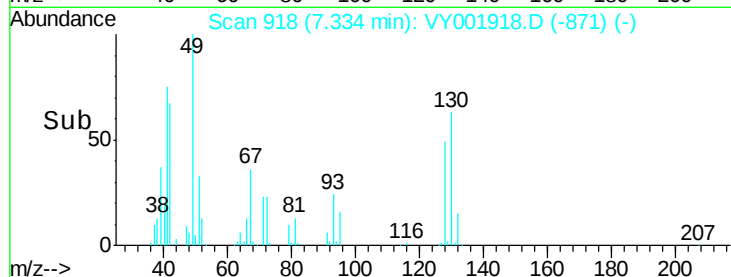
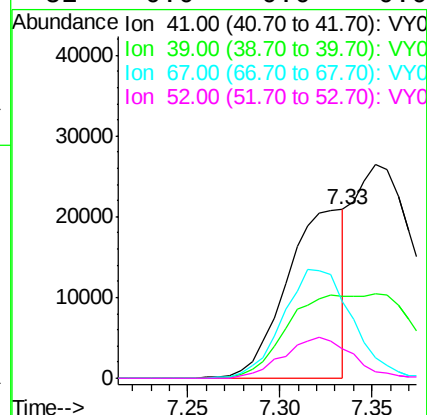
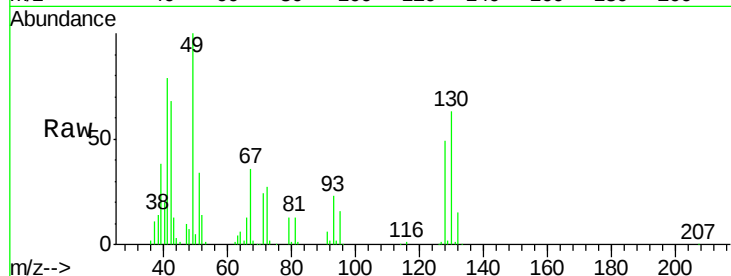
#41
Methacrylonitrile
Concen: 56.508 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	45654
Ion	Ratio	Lower	Upper
41	100		
39	106.7	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

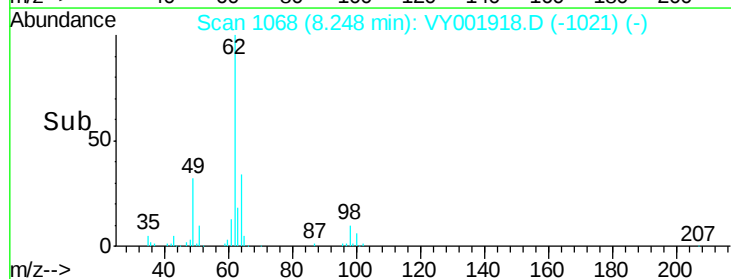
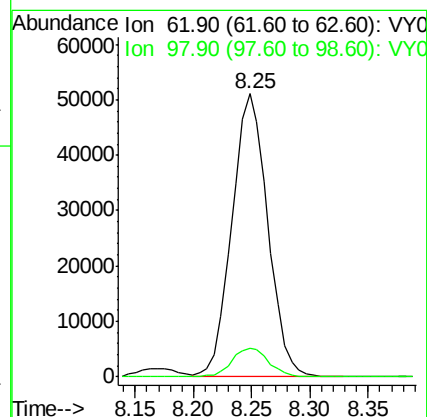
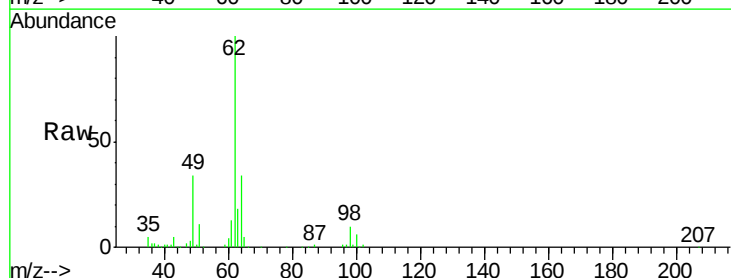
Manual Integrations
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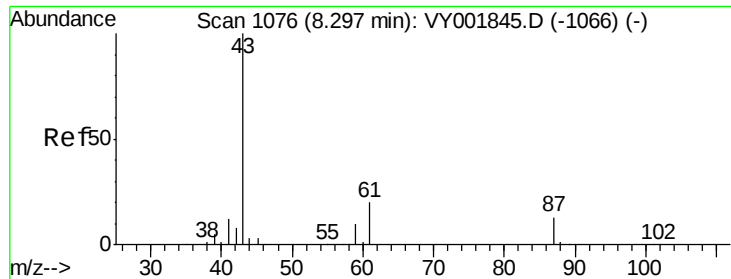
MMDadoda
3/11/2020 3:22:40 PM



#42
1,2-Dichloroethane
Concen: 46.357 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	62	Resp	109364
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





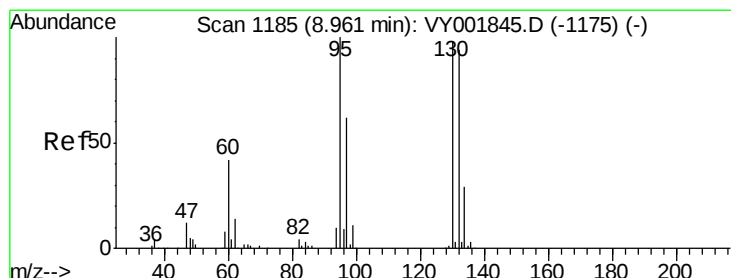
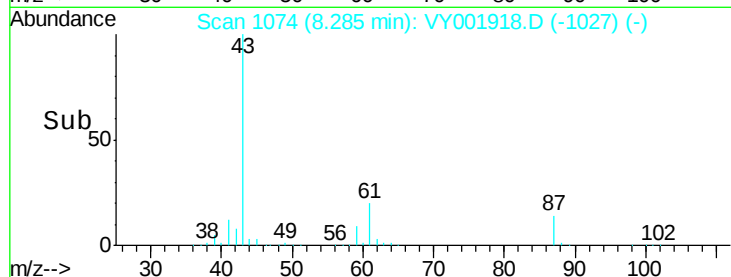
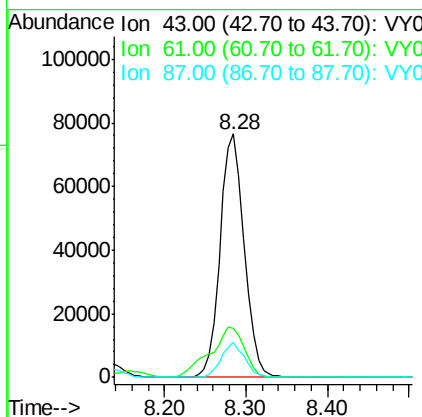
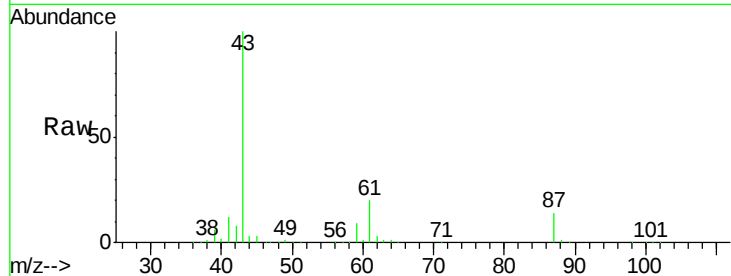
#43
Isopropyl Acetate
Concen: 46.085 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	13.8	10.9	16.3

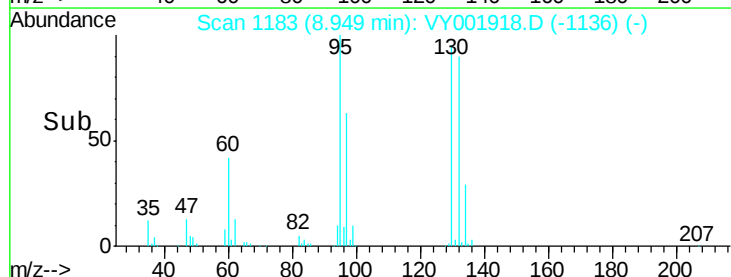
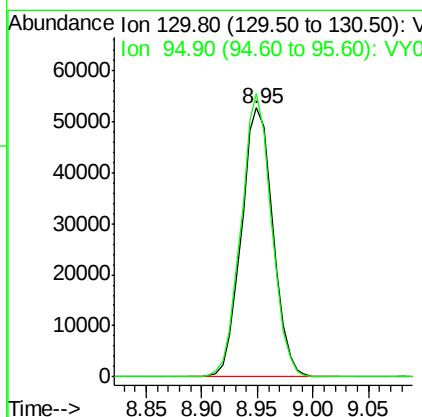
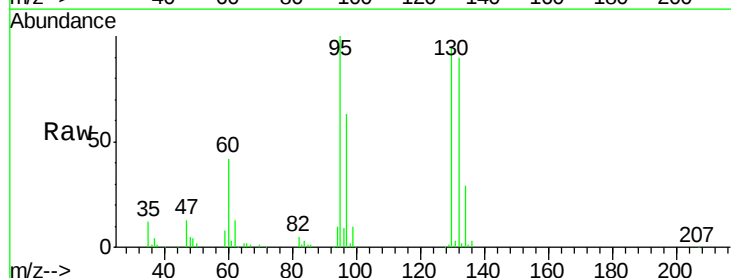
Manual Integrations
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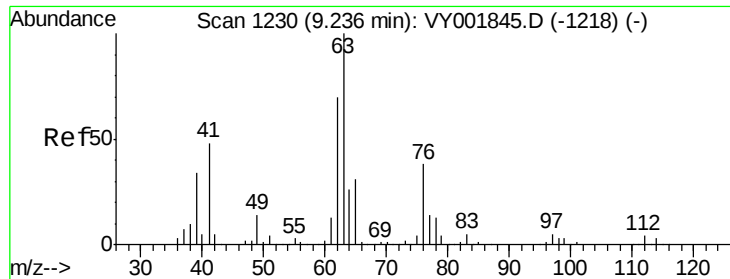
MMDadoda
3/11/2020 3:22:40 PM



#44
Trichloroethene
Concen: 46.467 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	204.6





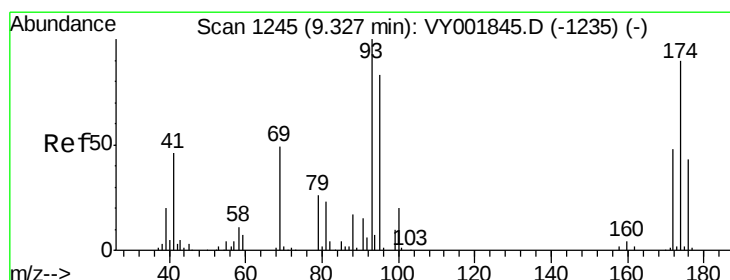
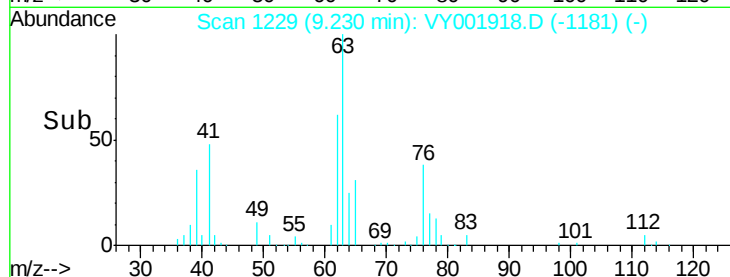
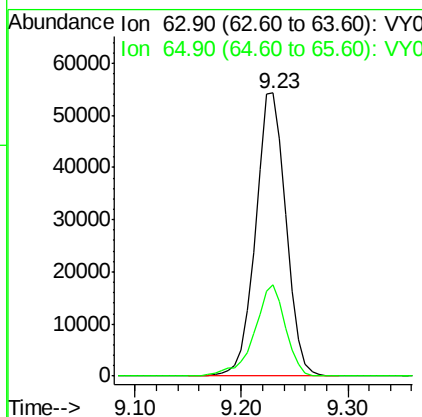
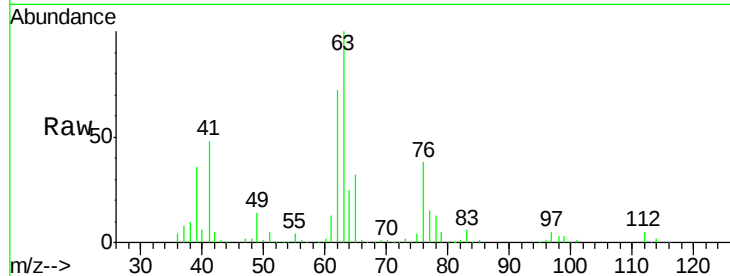
#45
 1,2-Dichloropropane
 Concen: 47.171 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 108562
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.9 37.3

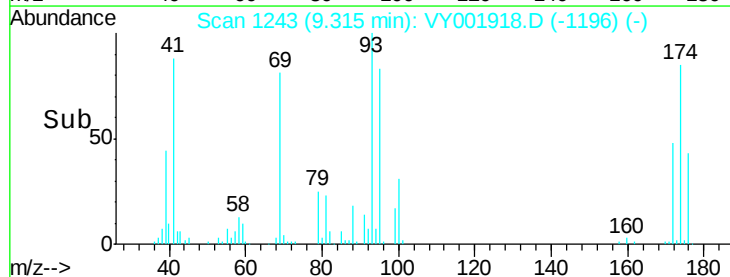
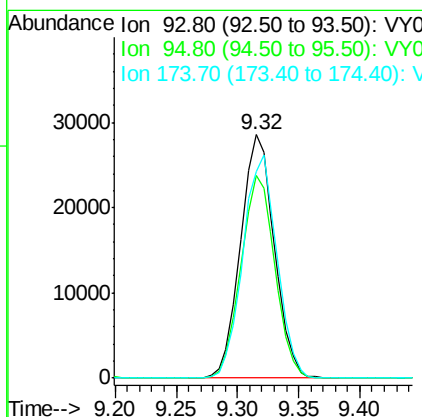
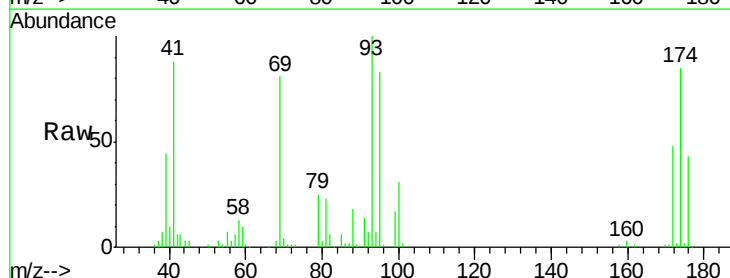
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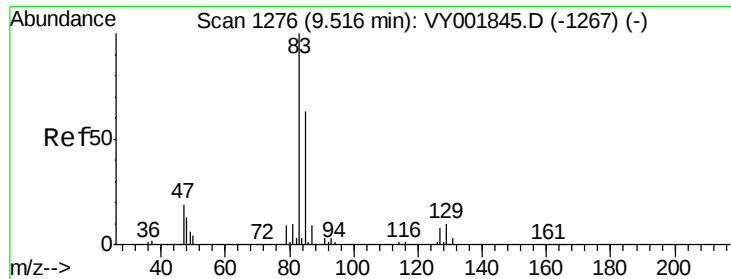
MMDadoda
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#46
 Dibromomethane
 Concen: 46.090 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion: 93 Resp: 54663
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 92.3 71.8 107.8





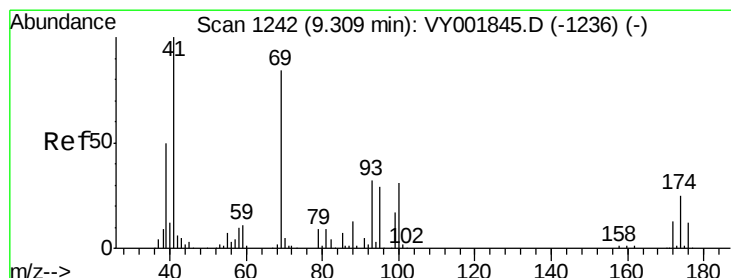
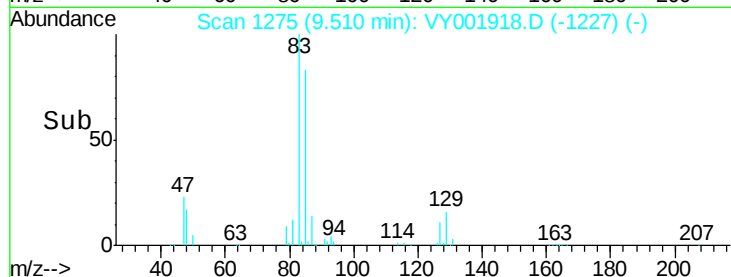
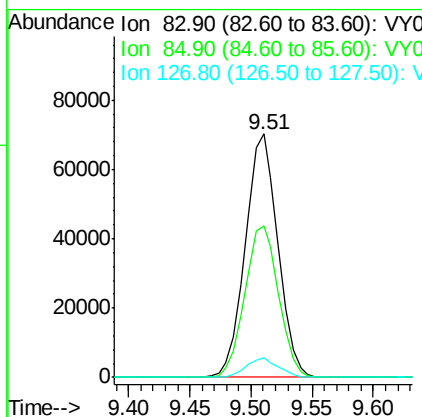
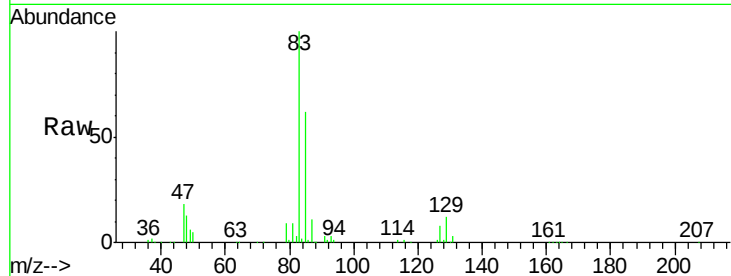
#47
Bromodichloromethane
Concen: 47.239 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.1	50.6	76.0	
127	8.2	6.2	9.4	

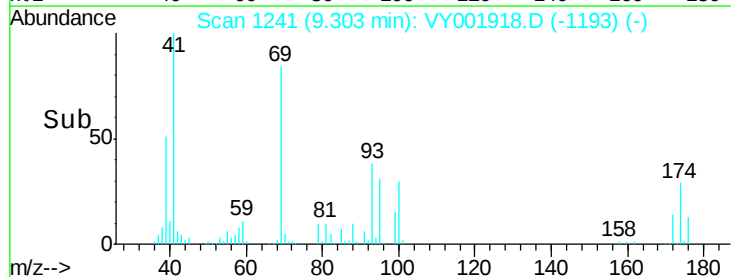
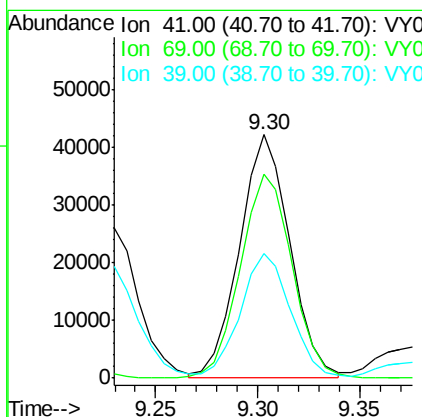
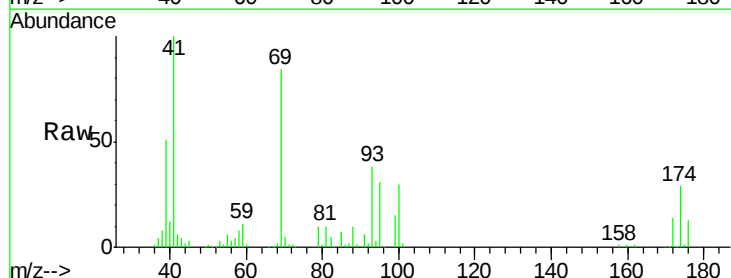
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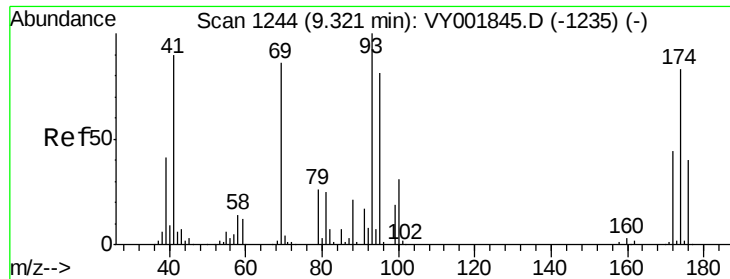
MMDadoda
3/11/2020 3:22:40 PM



#48
Methyl methacrylate
Concen: 48.062 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.1	69.0	103.6	
39	51.5	39.1	58.7	





#49

1,4-Dioxane

Concen: 891.136 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 14482

Ion Ratio Lower Upper

88 100

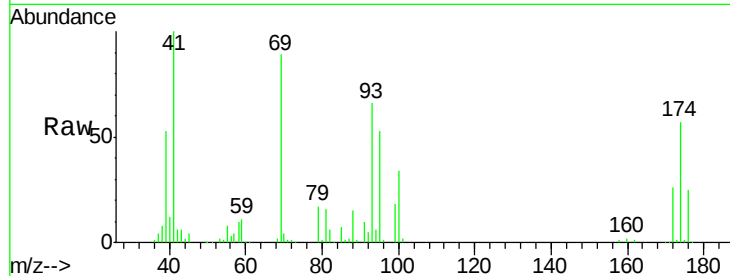
43 28.4 25.0 37.6

58 65.2 58.9 88.3

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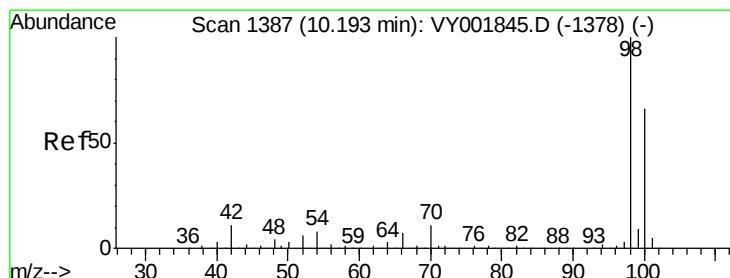
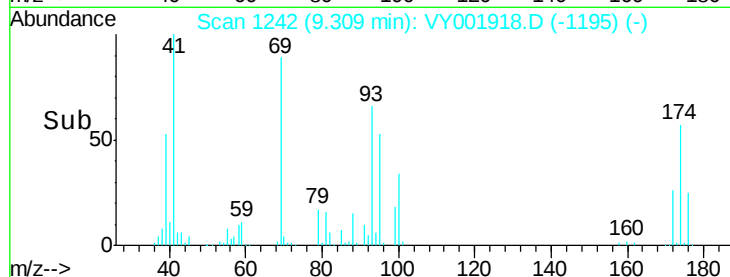
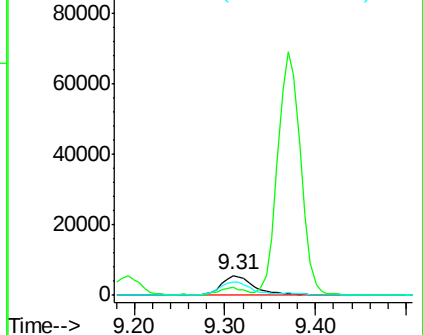
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Abundance Ion 88.00 (87.70 to 88.70): VY001918.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VY001918.D (-1195) (-)

Ion 58.00 (57.70 to 58.70): VY001918.D (-1195) (-)



#50

Toluene-d8

Concen: 51.408 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001918.D

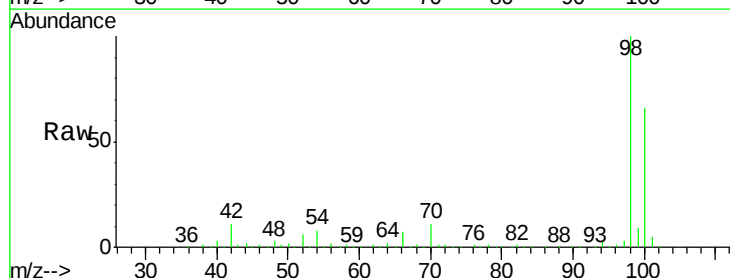
Acq: 10 Mar 2020 12:33

Tgt Ion: 98 Resp: 379952

Ion Ratio Lower Upper

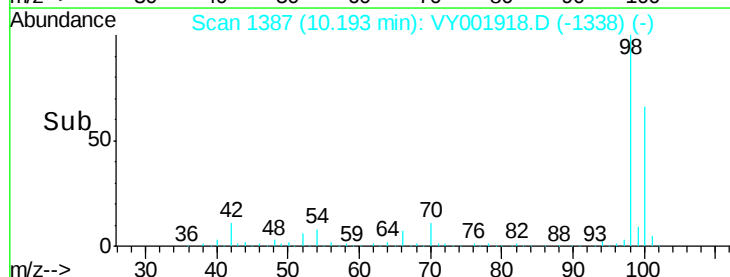
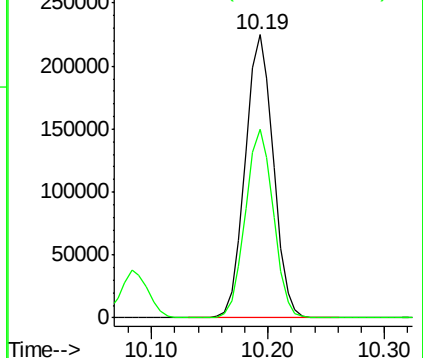
98 100

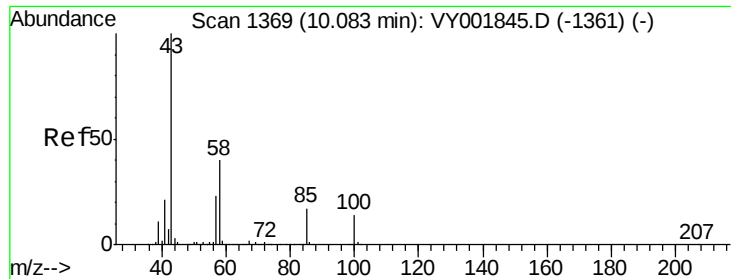
100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001918.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY001918.D (-1338) (-)





#51

4-Methyl-2-Pentanone

Concen: 231.883 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 405948

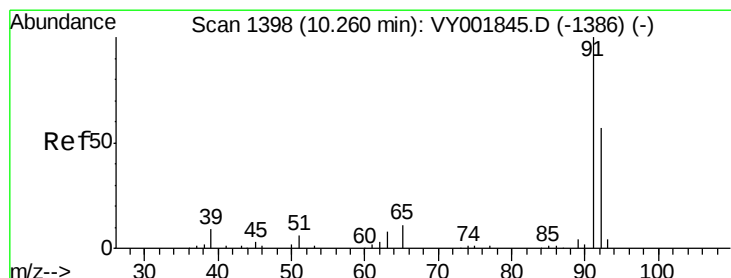
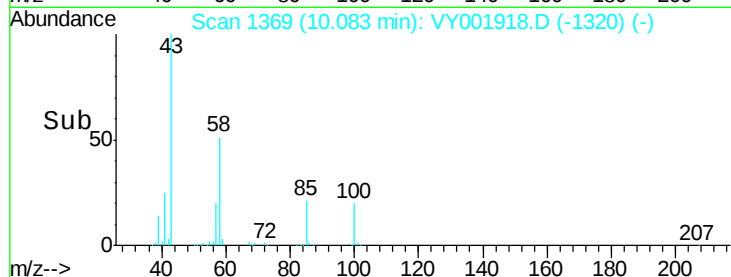
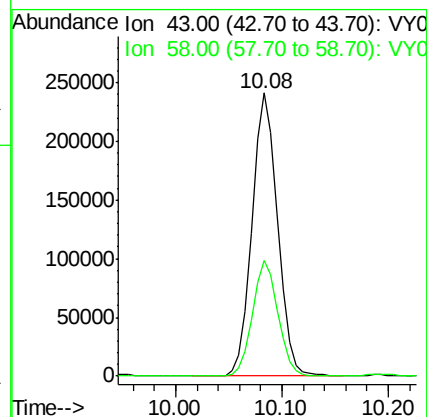
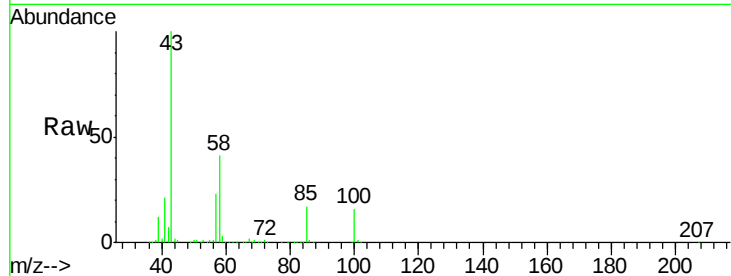
Ion Ratio Lower Upper

43 100

58 40.6 32.0 48.0

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3/11/2020 3:22:40 PM



#52

Toluene

Concen: 46.938 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001918.D

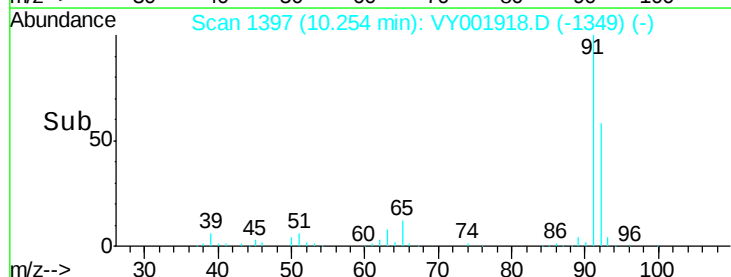
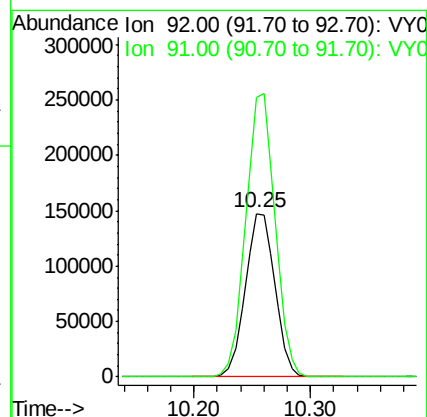
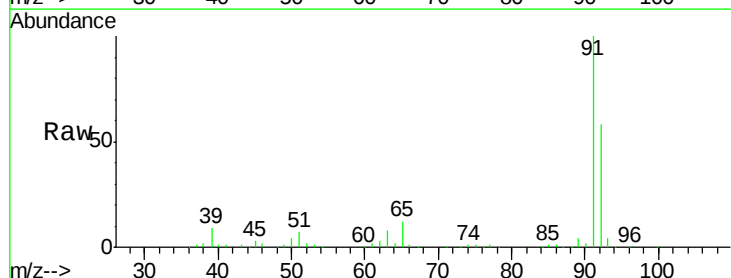
Acq: 10 Mar 2020 12:33

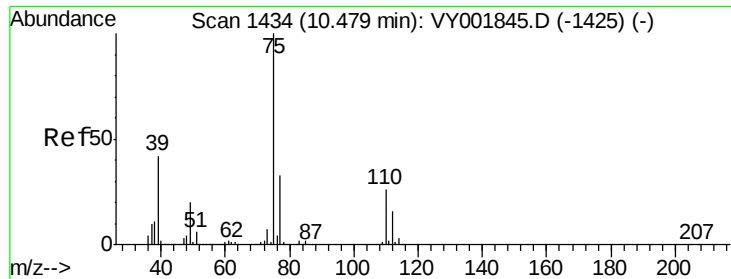
Tgt Ion: 92 Resp: 261054

Ion Ratio Lower Upper

92 100

91 172.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 48.464 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 145670

Ion Ratio Lower Upper

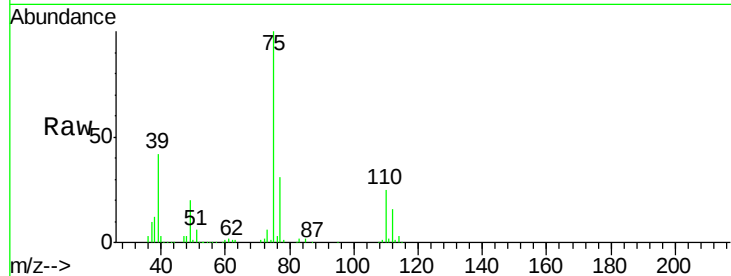
75 100

77 31.3 26.3 39.5

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3/11/2020 3:22:40 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.48

100000

80000

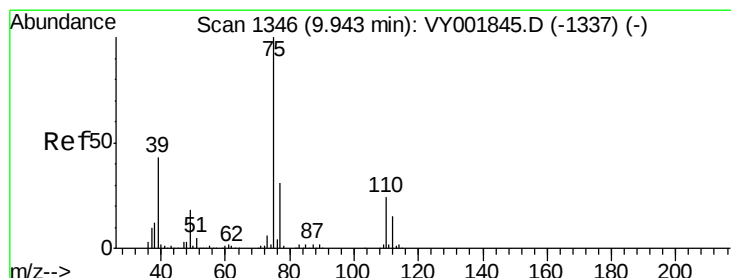
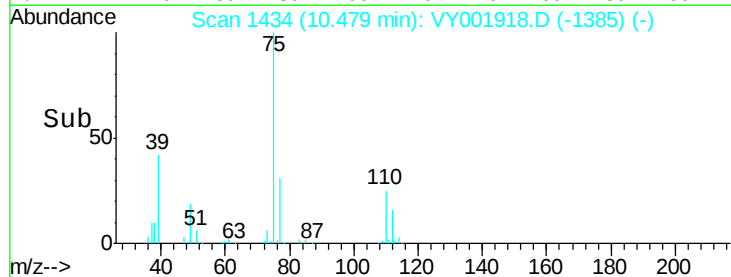
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.198 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

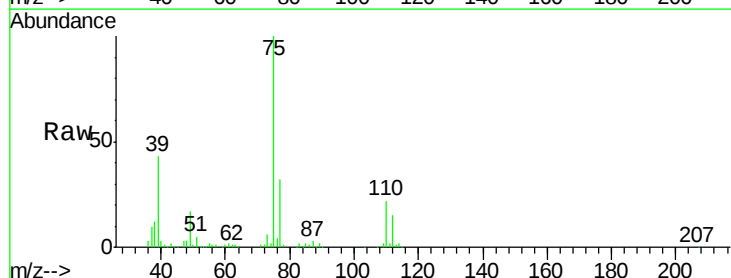
Tgt Ion: 75 Resp: 168885

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 43.1 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

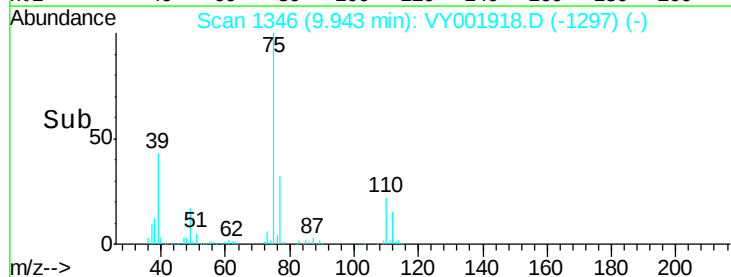
9.94

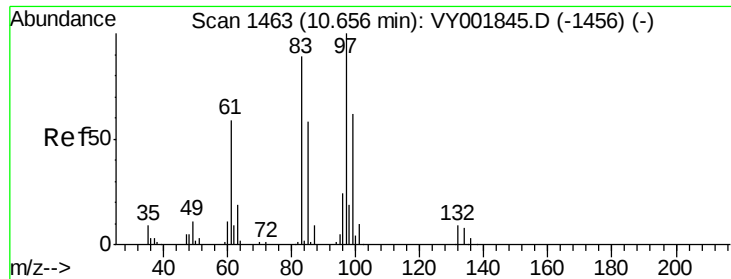
100000

50000

0

Time-->





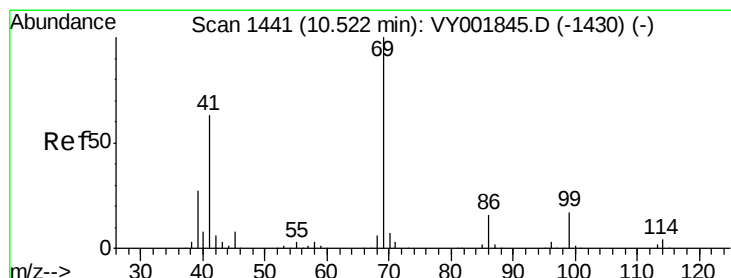
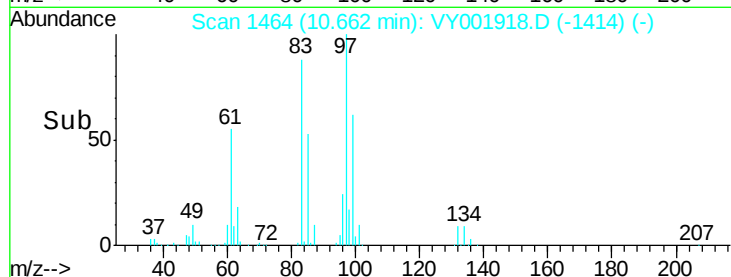
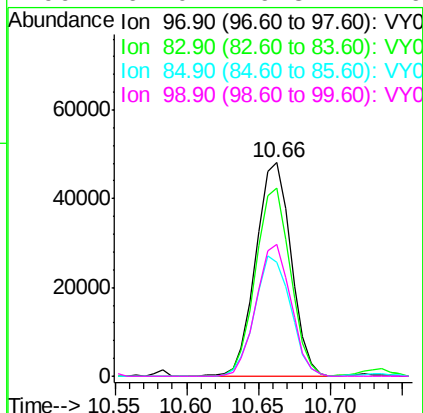
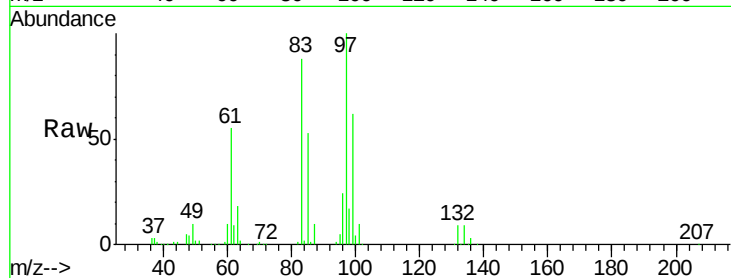
#55
1,1,2-Trichloroethane
Concen: 47.069 ug/l
RT: 10.66 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		81698		
83	88.2	71.6	107.4		
85	53.4	46.6	69.8		
99	62.0	49.8	74.6		

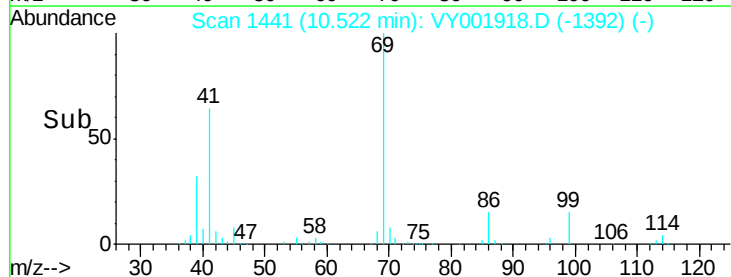
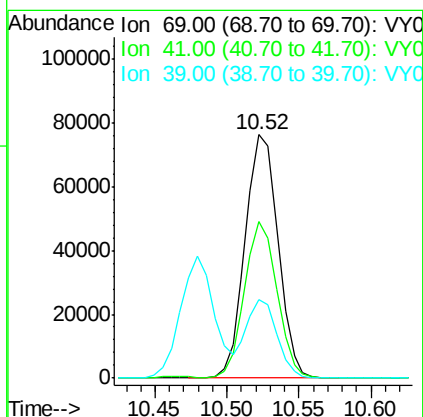
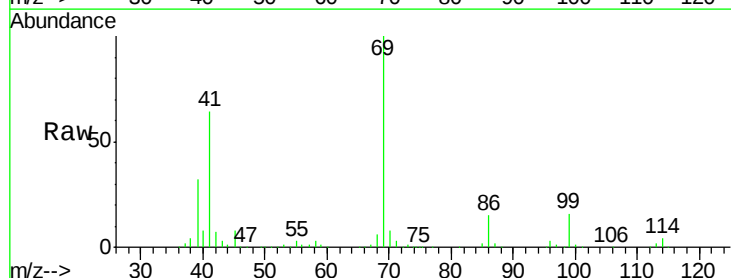
Manual Integrations
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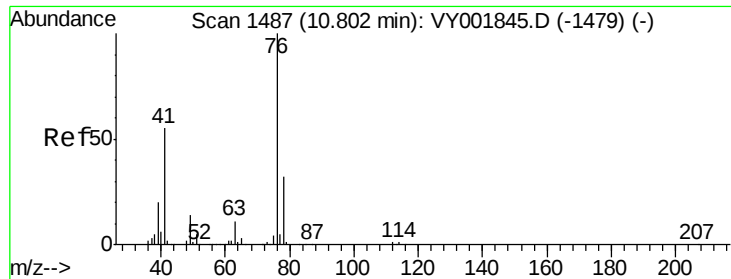
MMDadoda
3/11/2020 3:22:40 PM



#56
Ethyl methacrylate
Concen: 47.636 ug/l
RT: 10.52 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		121190		
41	63.1	49.9	74.9		
39	30.6	23.0	34.6		





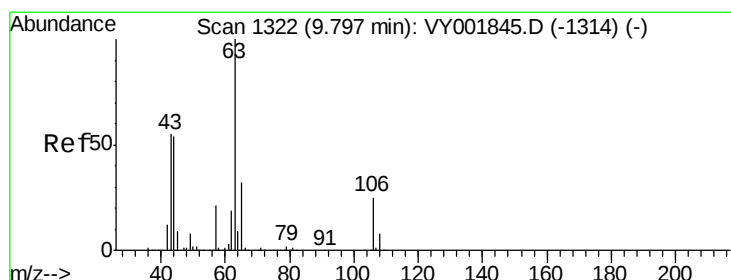
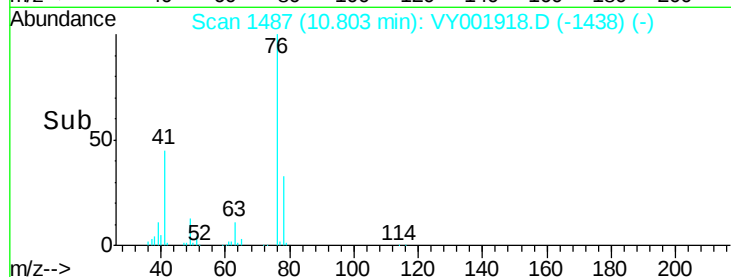
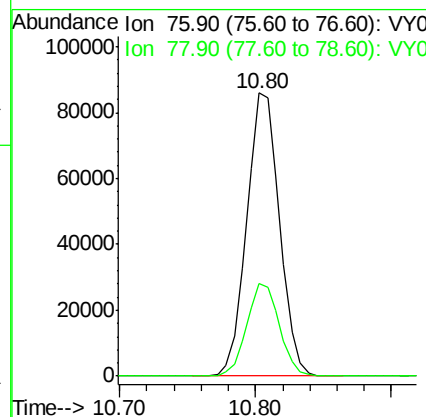
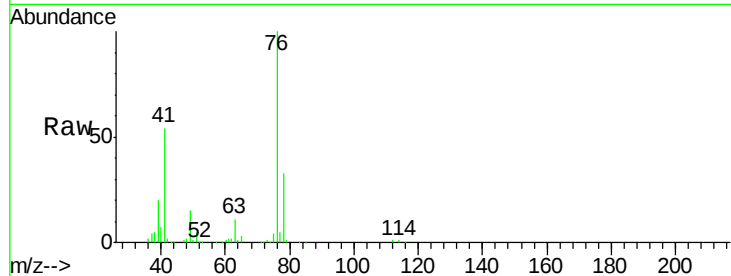
#57
 1,3-Dichloropropane
 Concen: 46.844 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

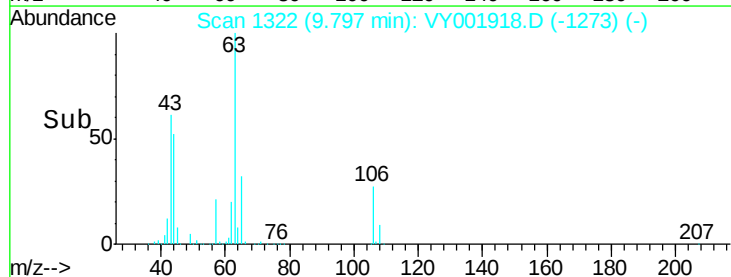
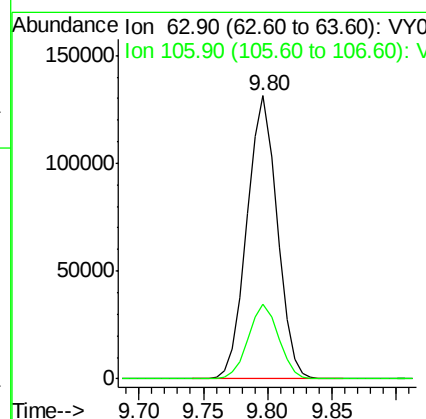
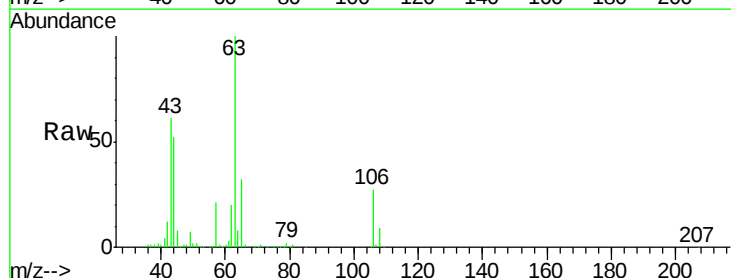
Manual Integrations
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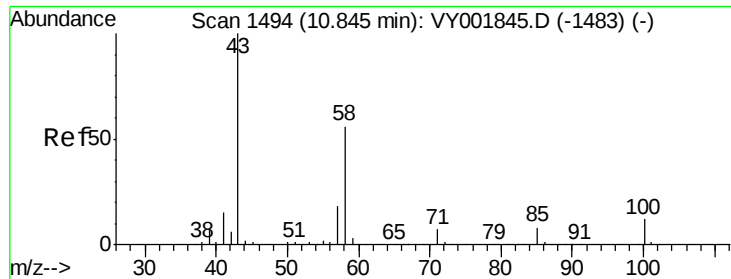
MMDadoda
 3/11/2020 3:22:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.085 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.3	31.9





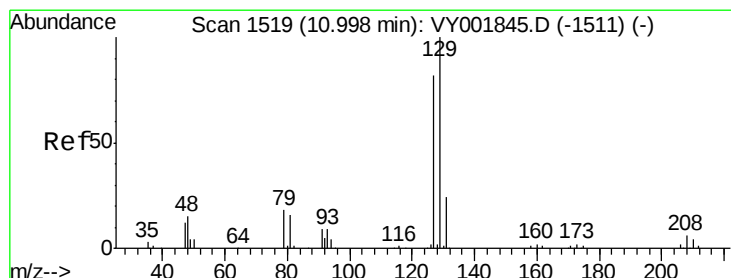
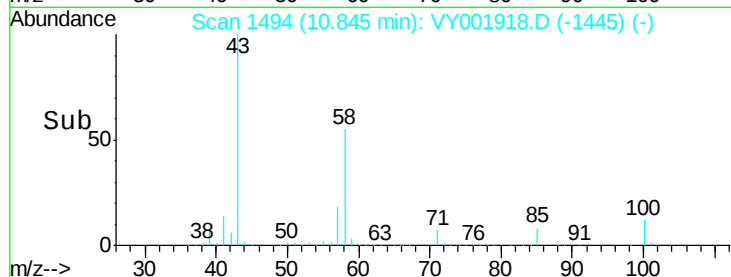
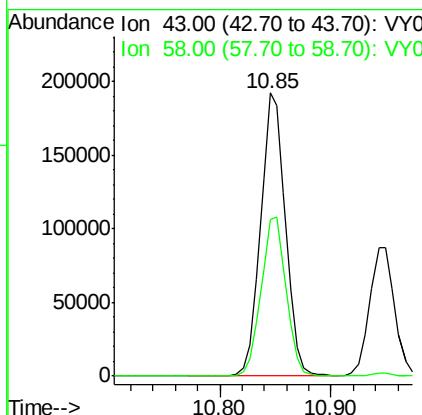
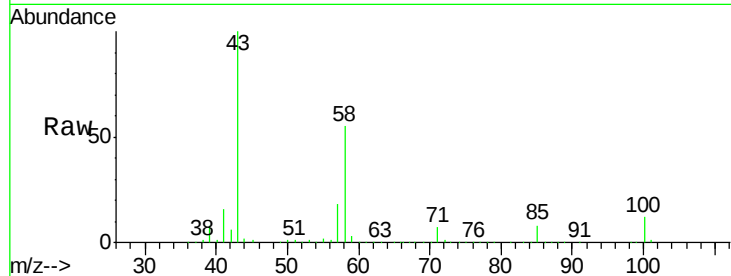
#59
2-Hexanone
Concen: 239.370 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 299102
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

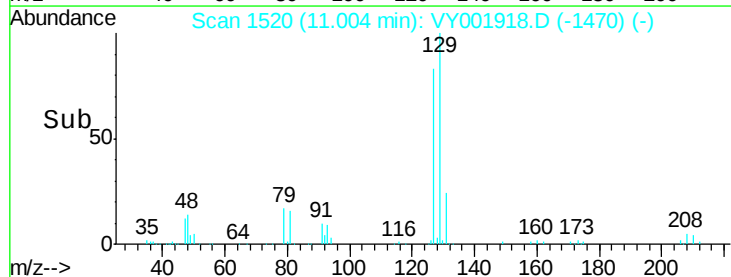
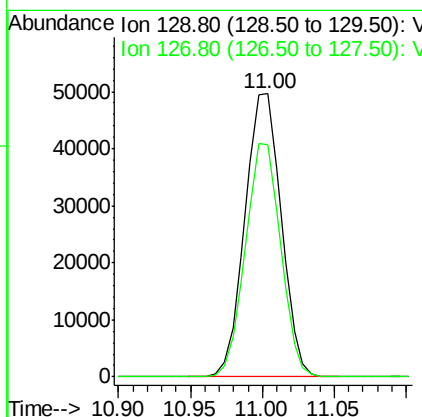
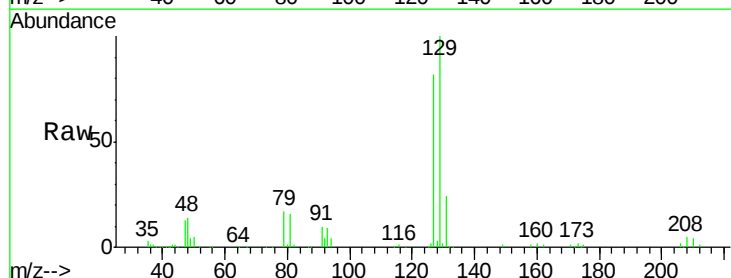
Manual Integrations
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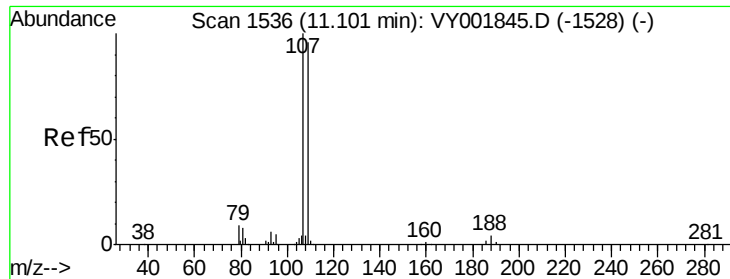
MMDadoda
3/11/2020 3:22:40 PM



#60
Dibromochloromethane
Concen: 47.323 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion: 129 Resp: 86552
Ion Ratio Lower Upper
129 100
127 80.2 39.0 117.0





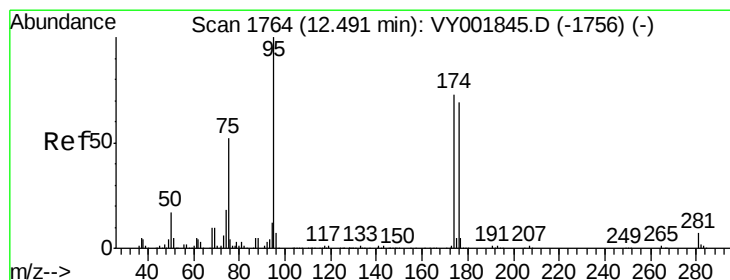
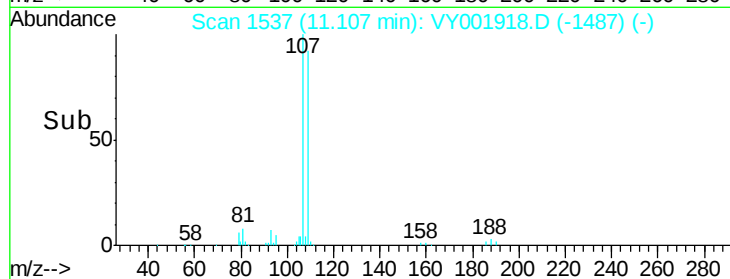
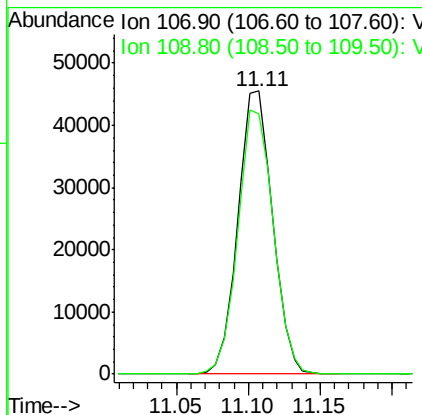
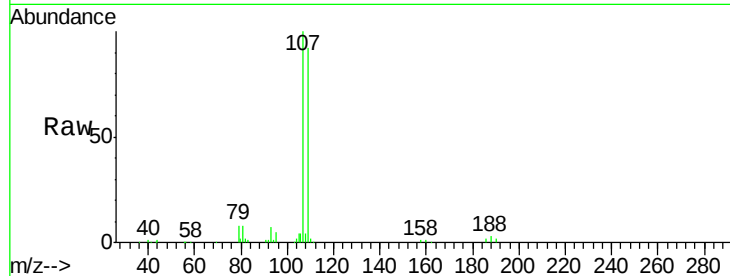
#61
 1,2-Dibromoethane
 Concen: 46.286 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.4	113.0

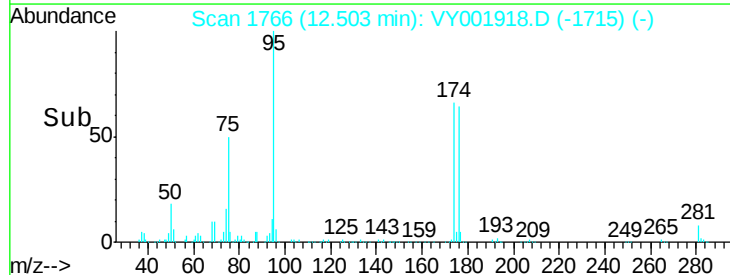
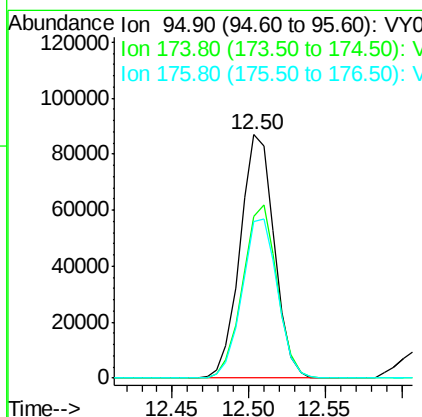
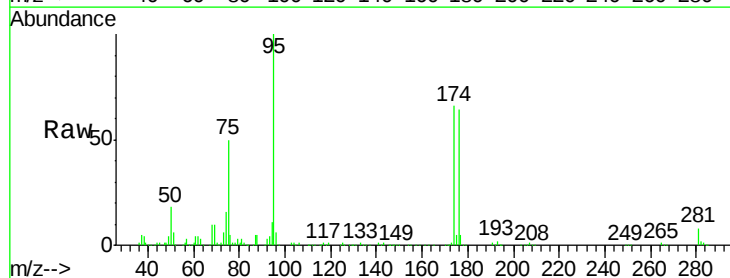
Manual Integrations
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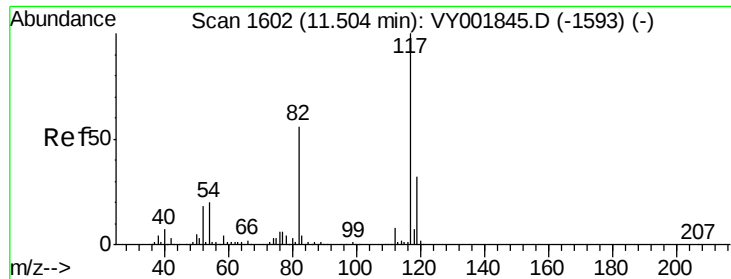
MMDadoda
 3/11/2020 3:22:40 PM



#62
 4-Bromofluorobenzene
 Concen: 52.295 ug/l
 RT: 12.50 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	145.0
176	67.8	0.0	137.4





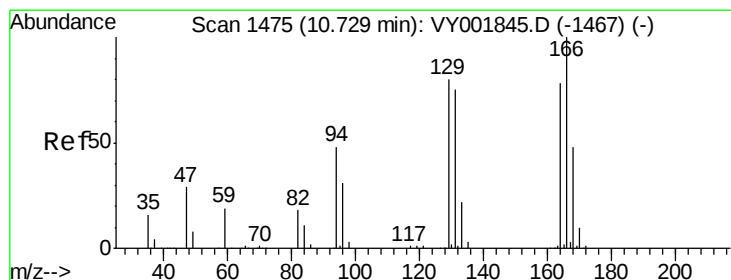
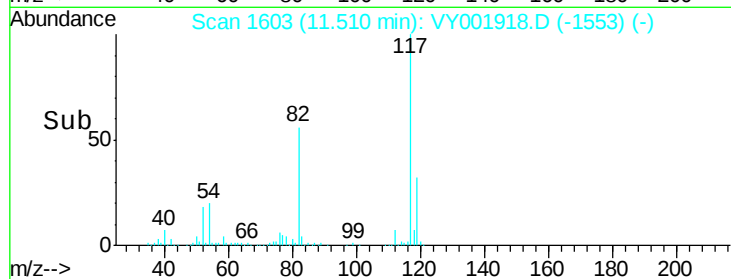
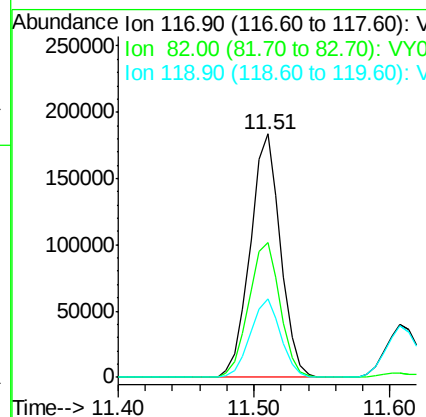
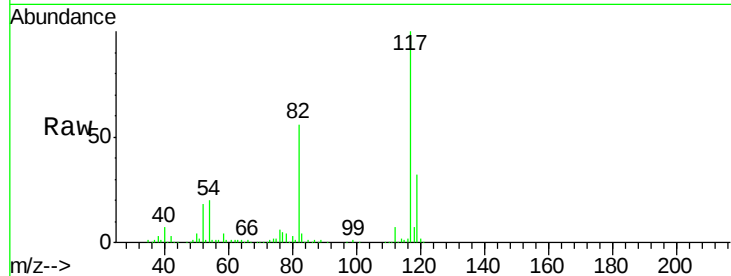
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286111		
82	55.6	44.5	66.7	
119	32.1	25.7	38.5	

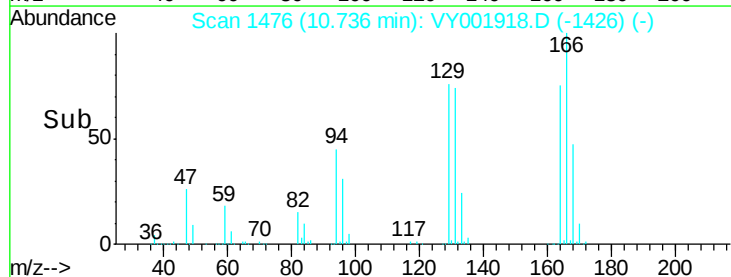
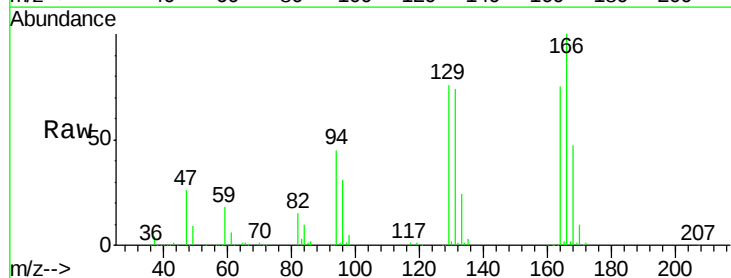
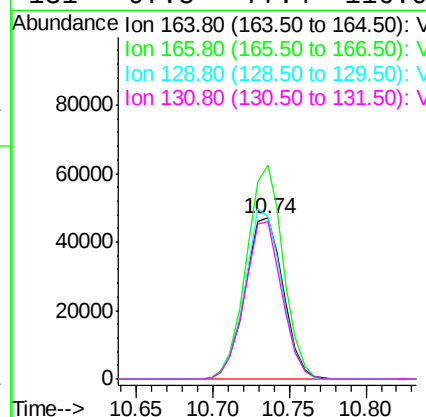
Manual Integrations
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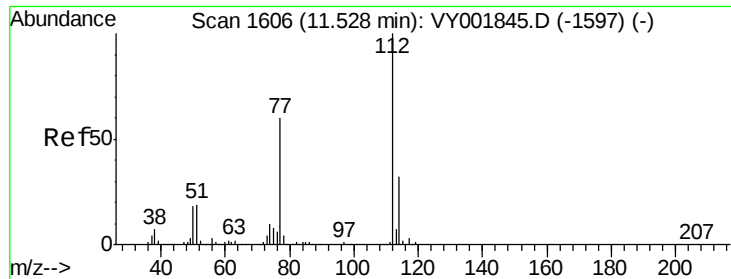
MMDadoda
3/11/2020 3:22:40 PM



#64
Tetrachloroethene
Concen: 45.677 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81956		
166	132.5	102.6	154.0	
129	100.9	82.3	123.5	
131	97.8	77.4	116.0	





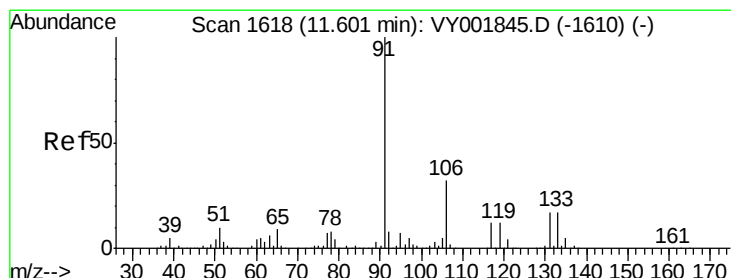
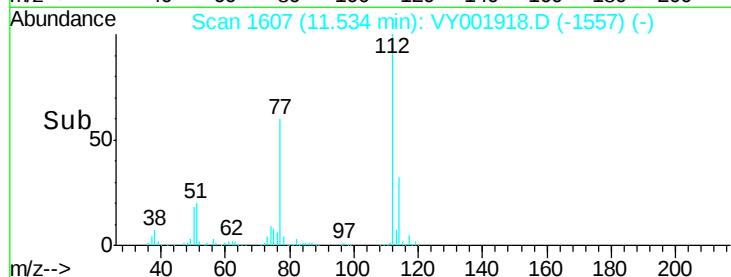
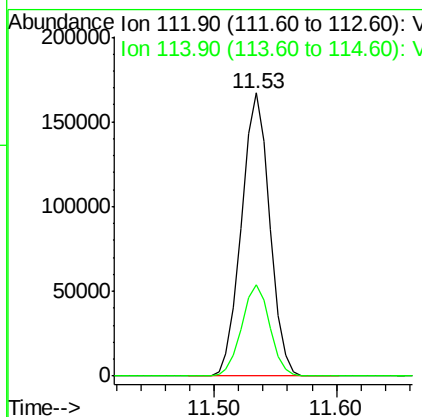
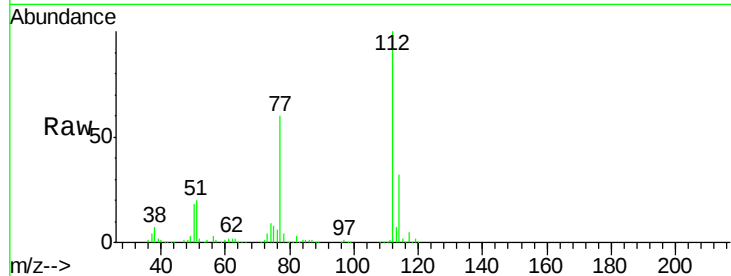
#65
Chlorobenzene
Concen: 46.819 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	266910		
114	32.1	25.9	38.9	

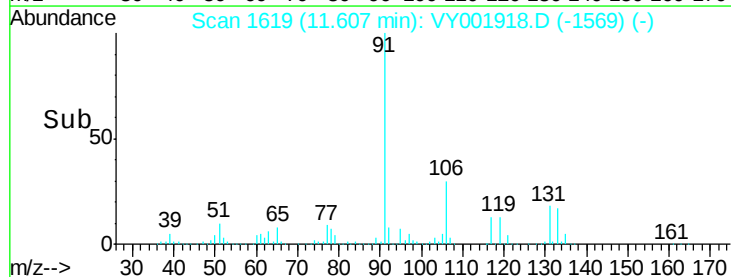
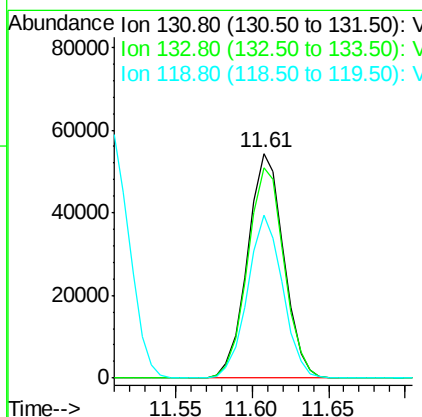
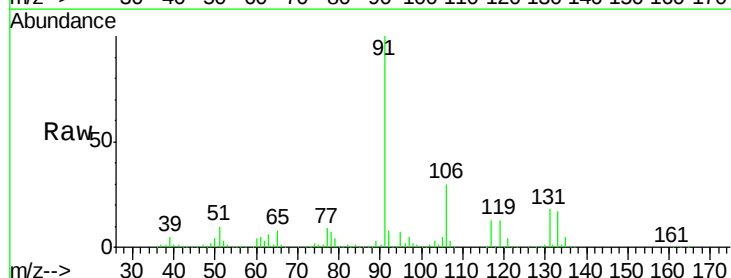
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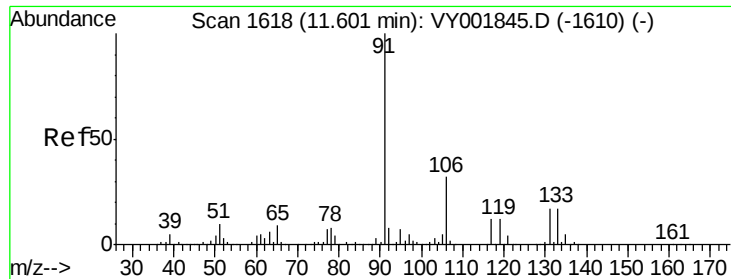
MMDadoda
3/11/2020 3:22:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.762 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	89291		
133	95.0	47.1	141.3	
119	70.3	34.5	103.6	





#67

Ethyl Benzene

Concen: 47.262 ug/l

RT: 11.61 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 502492

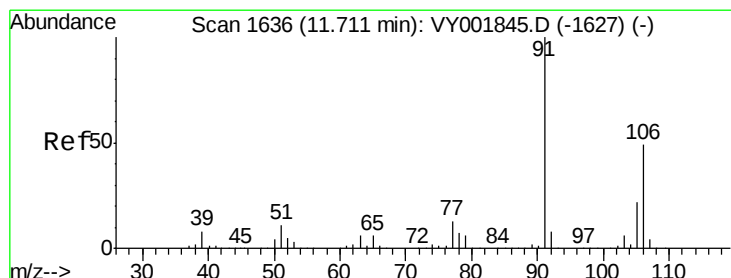
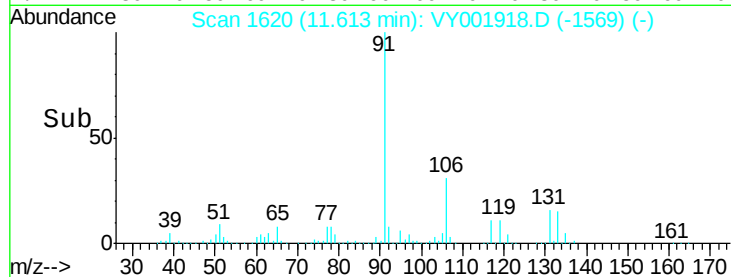
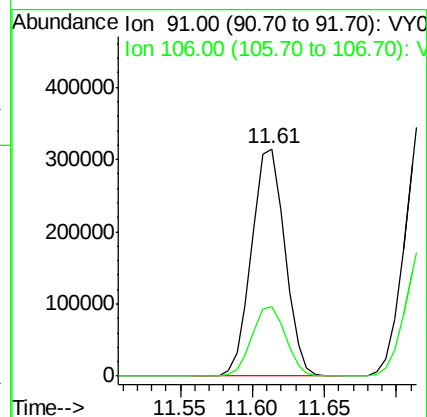
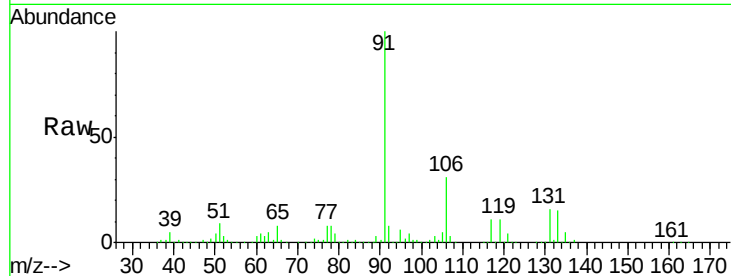
Ion Ratio Lower Upper

91 100

106 30.5 25.4 38.2

Manual Integrations
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3/11/2020 3:22:40 PM



#68

m/p-Xylenes

Concen: 94.951 ug/l

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VY001918.D

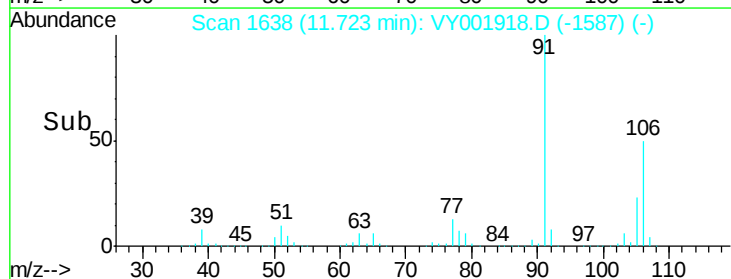
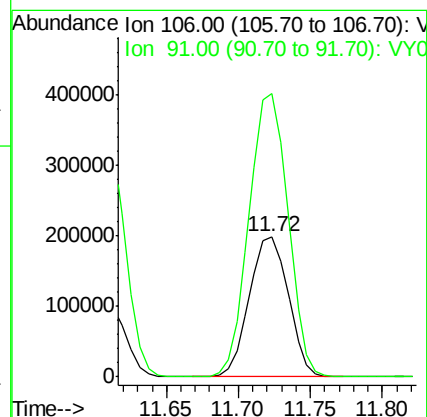
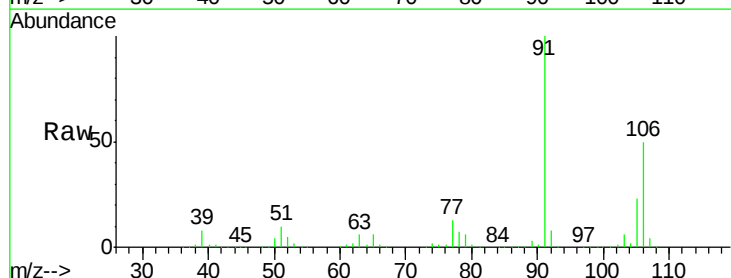
Acq: 10 Mar 2020 12:33

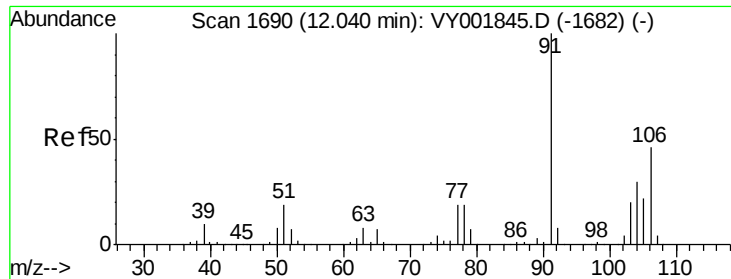
Tgt Ion: 106 Resp: 373231

Ion Ratio Lower Upper

106 100

91 201.1 161.3 241.9





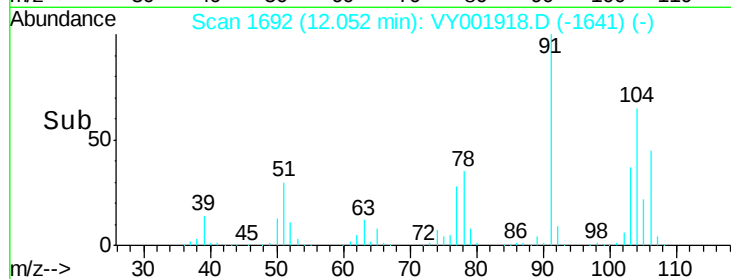
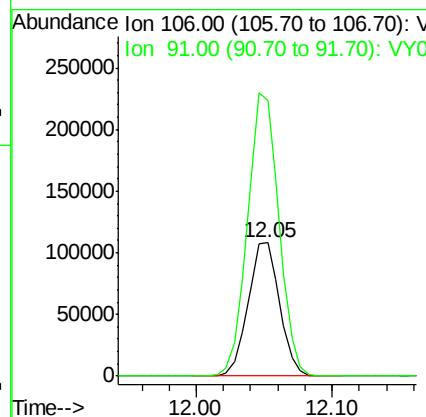
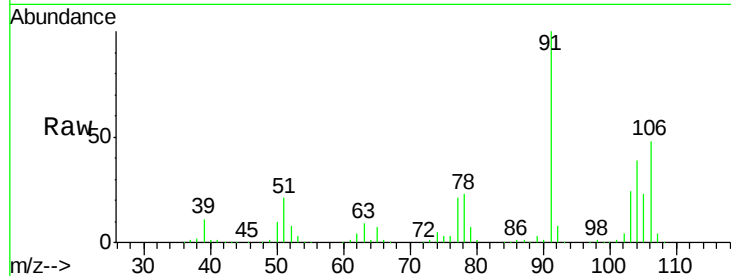
#69
o-Xylene
Concen: 47.307 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 175269
Ion Ratio Lower Upper
106 100
91 211.3 106.8 320.4

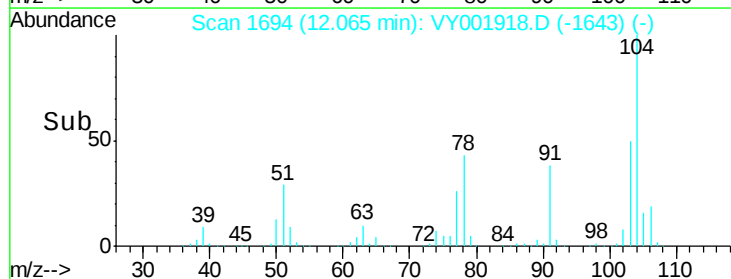
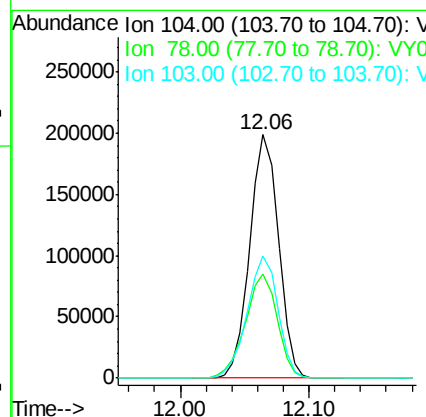
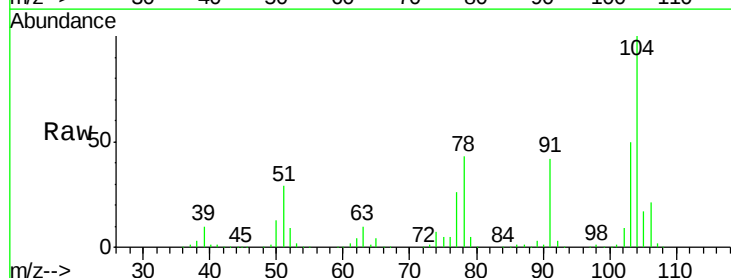
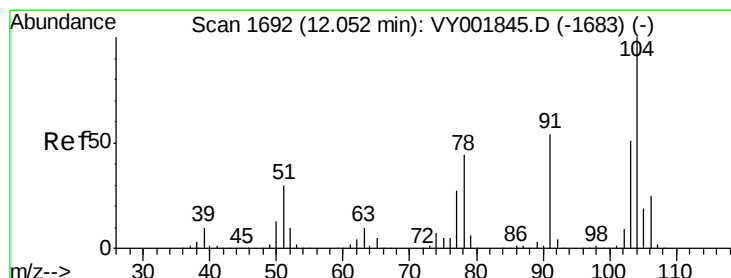
Manual Integrations
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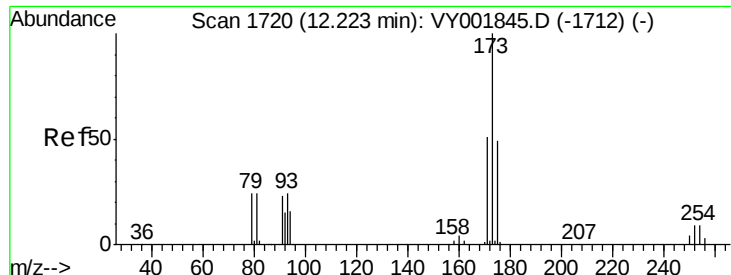
MMDadoda
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#70
Styrene
Concen: 48.166 ug/l
RT: 12.06 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion:104 Resp: 305633
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 53.9 42.9 64.3





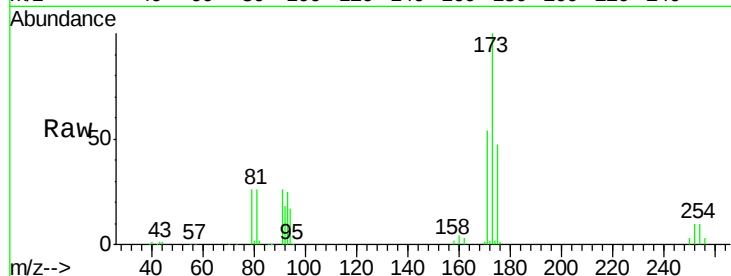
#71
Bromoform
Concen: 48.554 ug/l
RT: 12.23 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

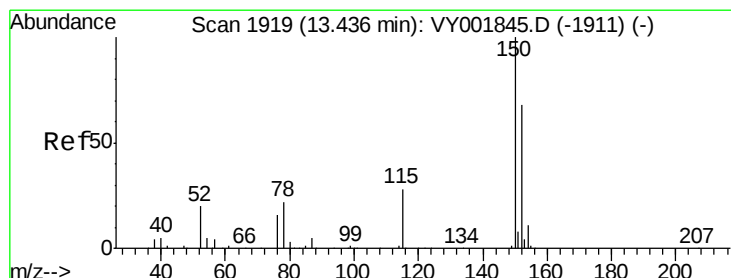
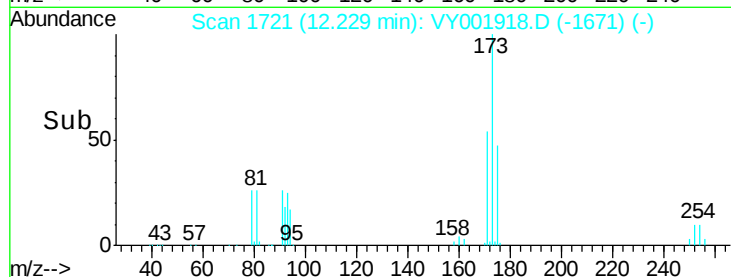
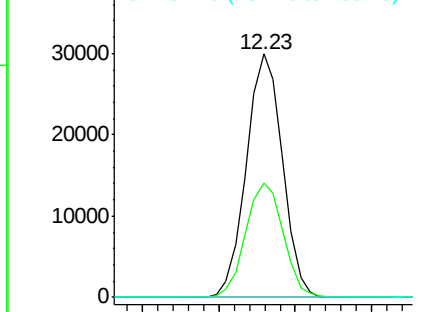
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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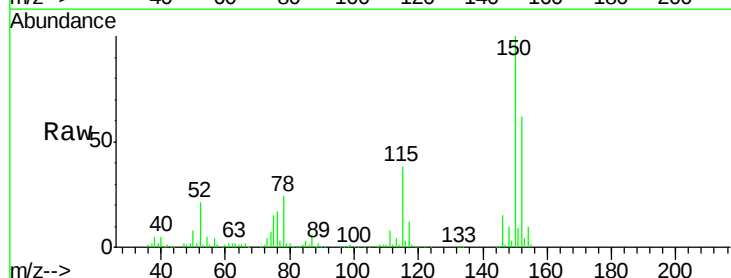


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

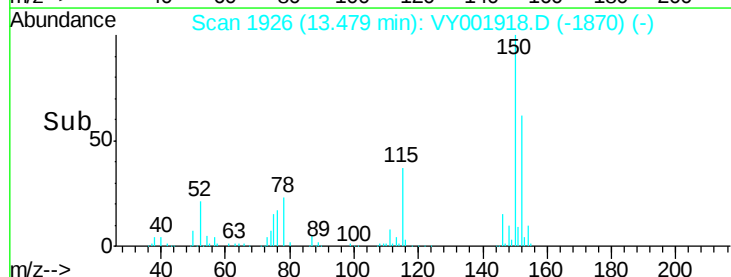
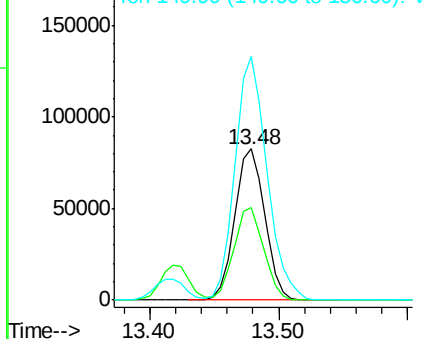


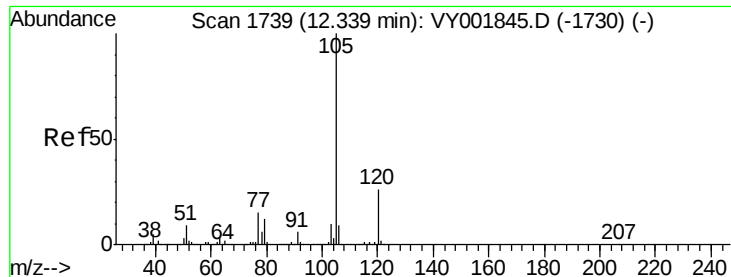
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.48 min Scan# 1926
Delta R.T. 0.04 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.9	89.7
150	172.3	0.0	340.6



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: 47.181 ug/l

RT: 12.35 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 479876

Ion Ratio Lower Upper

105 100

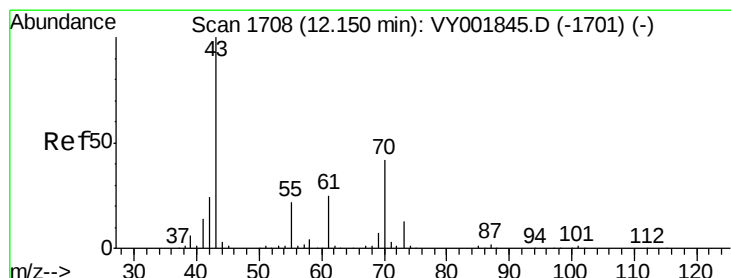
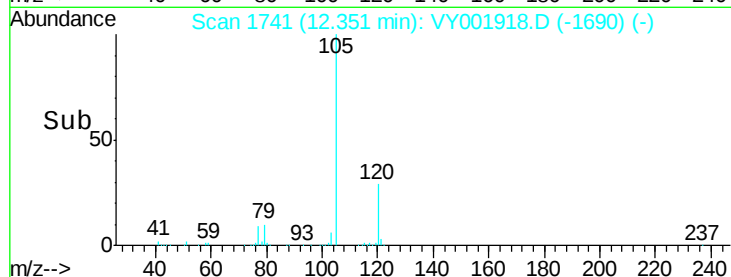
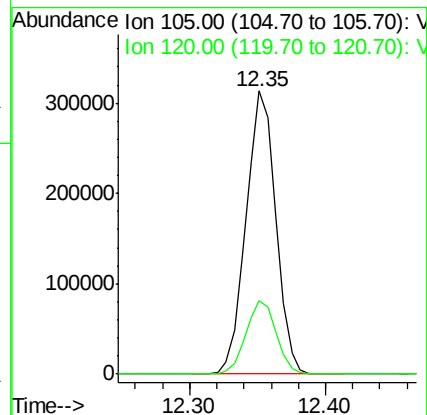
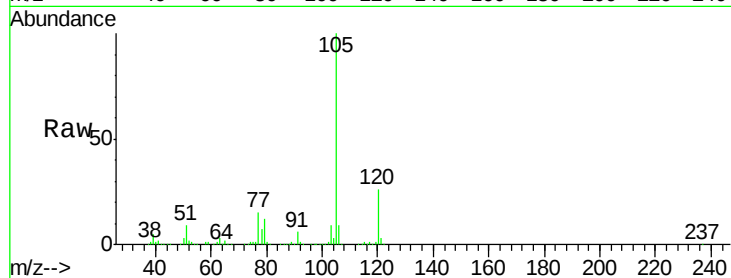
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.229 ug/l

RT: 12.17 min Scan# 1711

Delta R.T. 0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion: 43 Resp: 144509

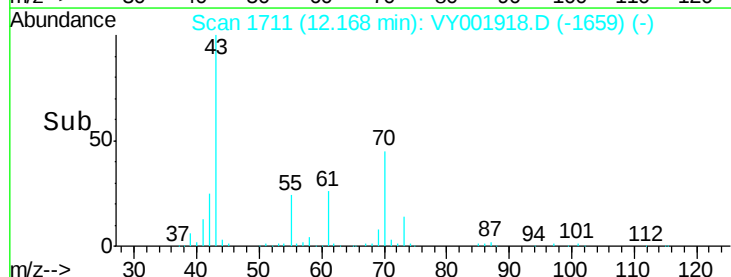
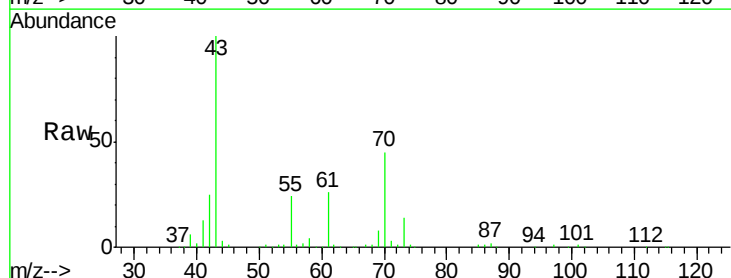
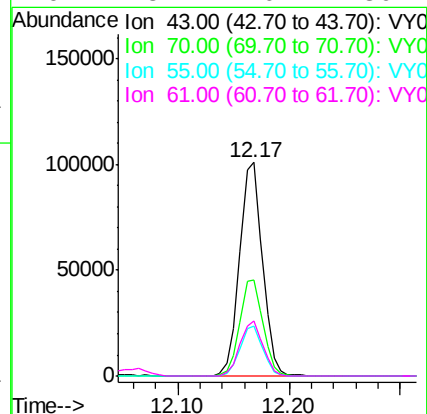
Ion Ratio Lower Upper

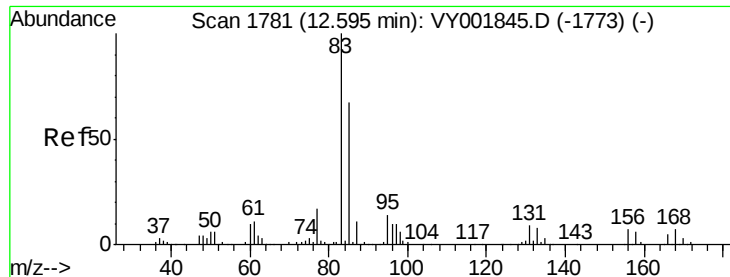
43 100

70 45.3 34.7 52.1

55 23.4 18.2 27.4

61 25.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.536 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 102070

Ion Ratio Lower Upper

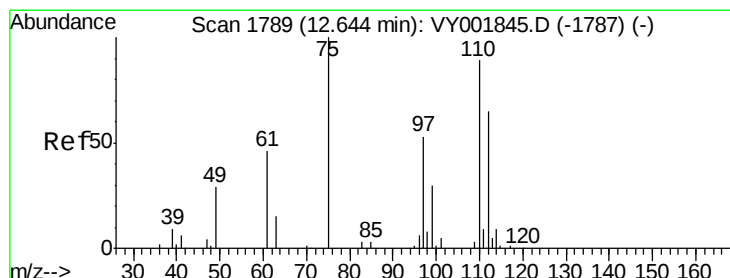
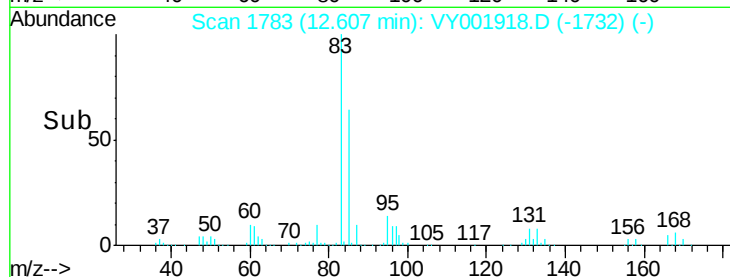
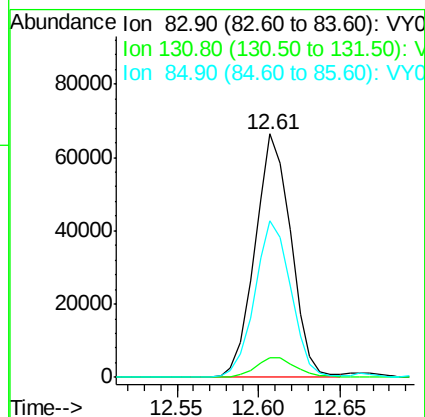
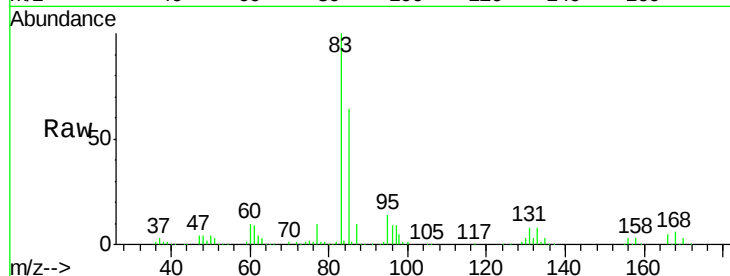
83 100

131 9.2 4.6 13.8

85 64.7 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 47.779 ug/l m

RT: 12.66 min Scan# 1792

Delta R.T. 0.02 min

Lab File: VY001918.D

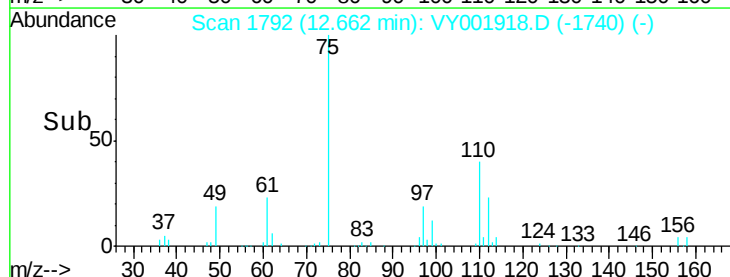
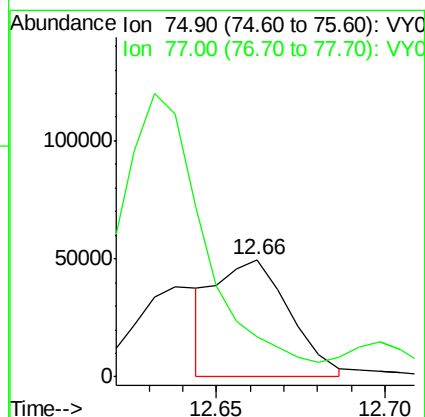
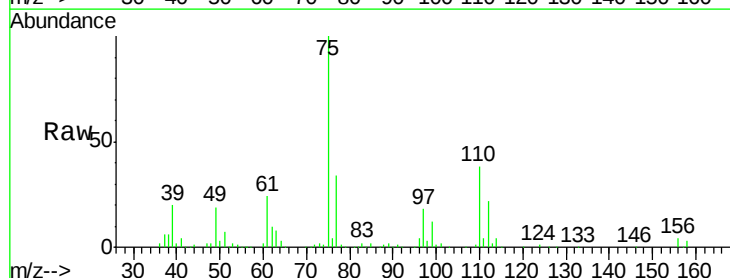
Acq: 10 Mar 2020 12:33

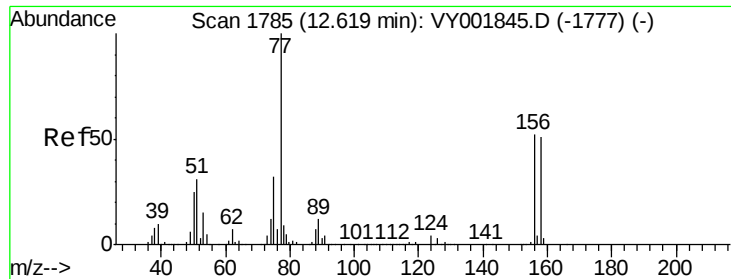
Tgt Ion: 75 Resp: 75536

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.503 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

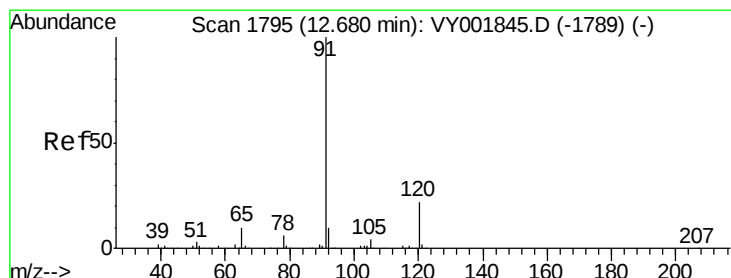
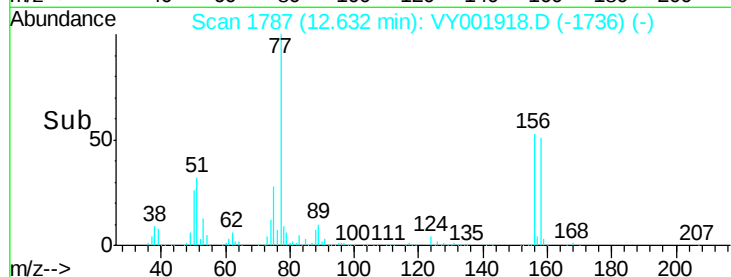
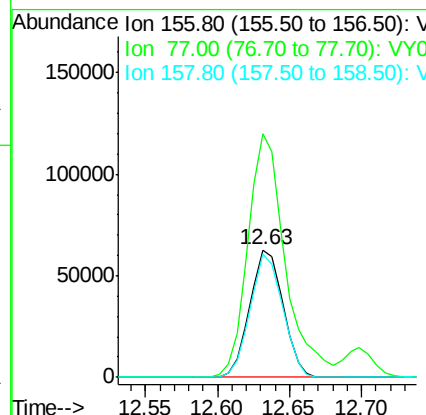
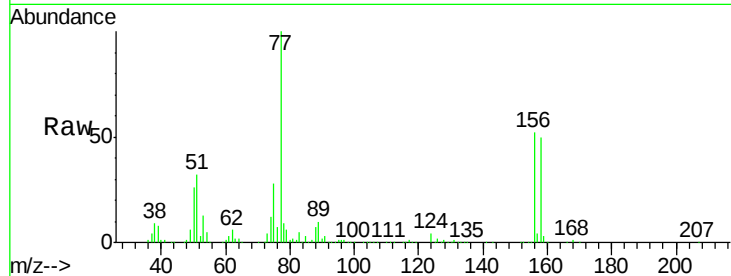
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	214.7	109.0	327.0		
158	95.4	48.9	146.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 47.014 ug/l

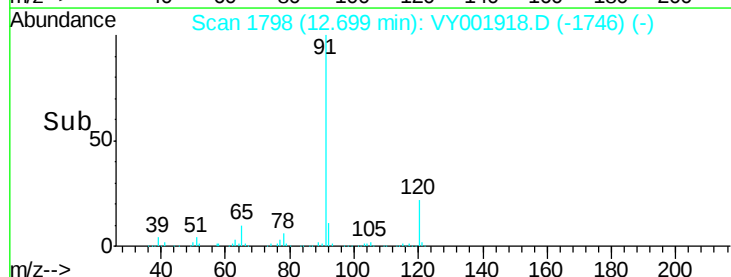
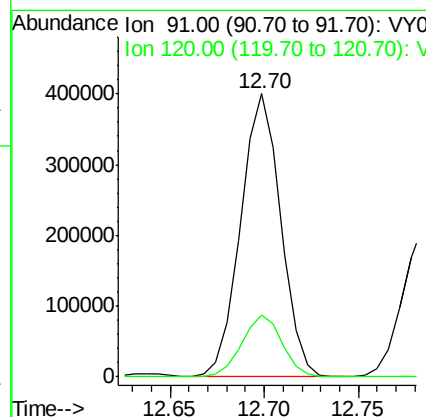
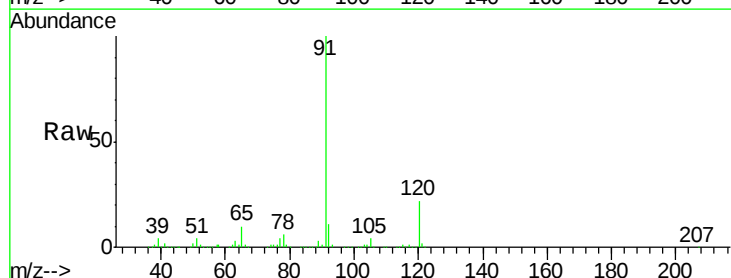
RT: 12.70 min Scan# 1798

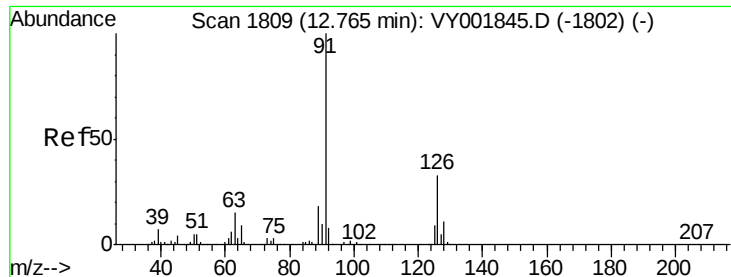
Delta R.T. 0.02 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	11.0	33.0		





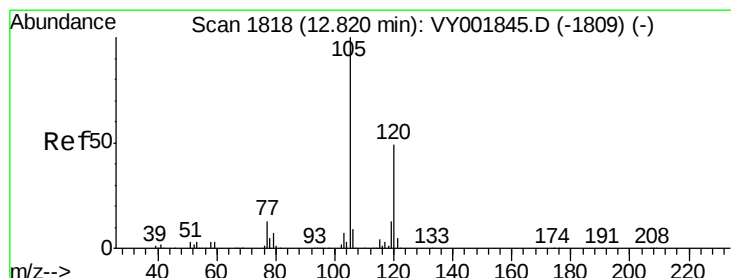
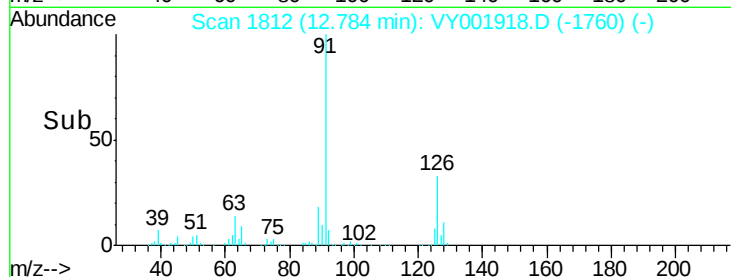
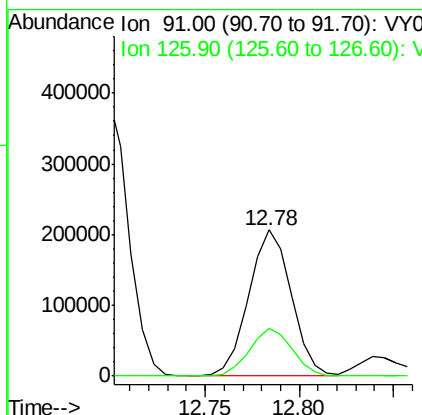
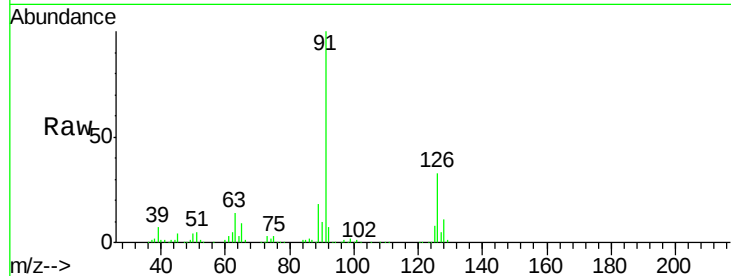
#79
2-Chlorotoluene
Concen: 46.658 ug/l
RT: 12.78 min Scan# 1812
Delta R.T. 0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 323460
Ion Ratio Lower Upper
91 100
126 32.9 16.3 48.8

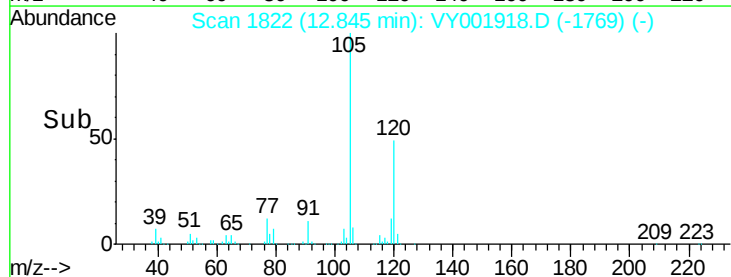
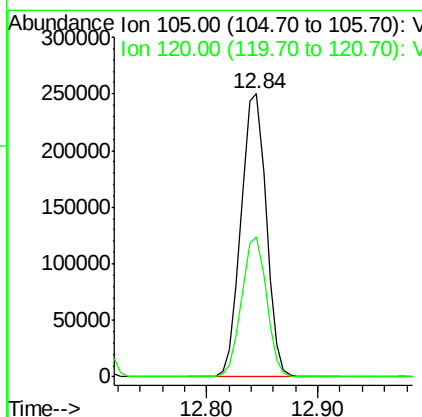
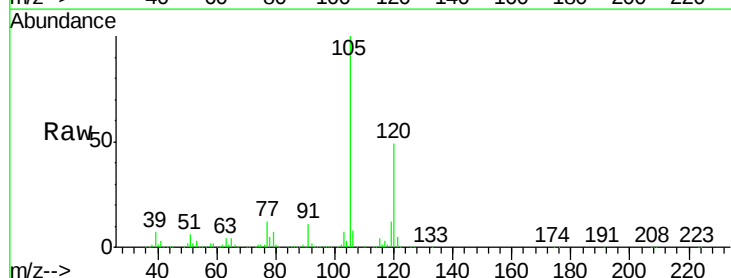
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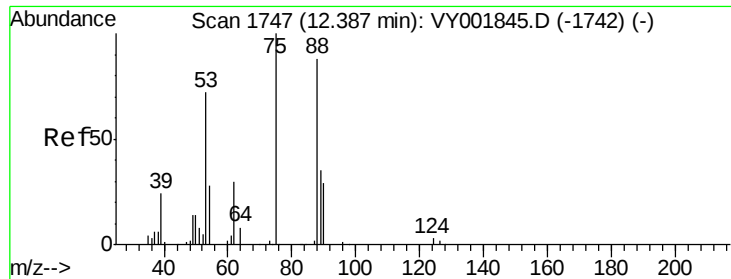
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#80
1,3,5-Trimethylbenzene
Concen: 47.019 ug/l
RT: 12.84 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion: 105 Resp: 393695
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.2





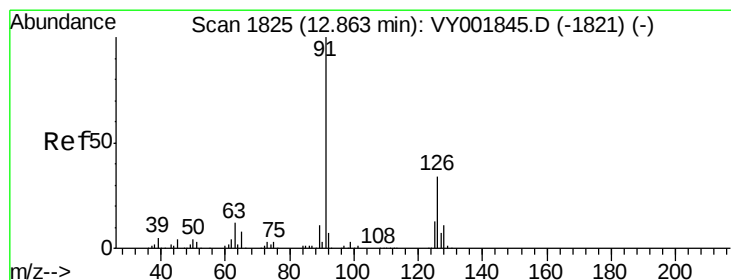
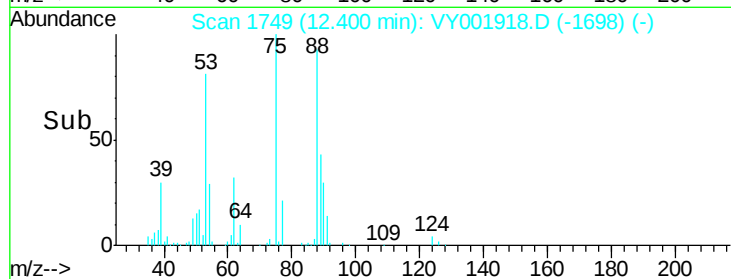
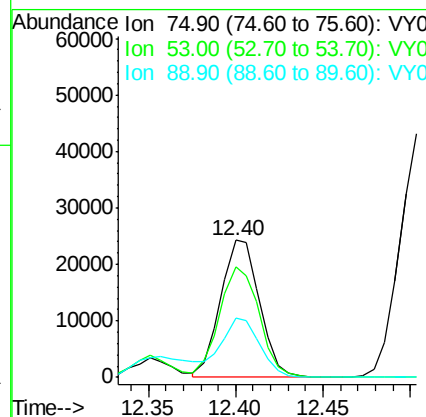
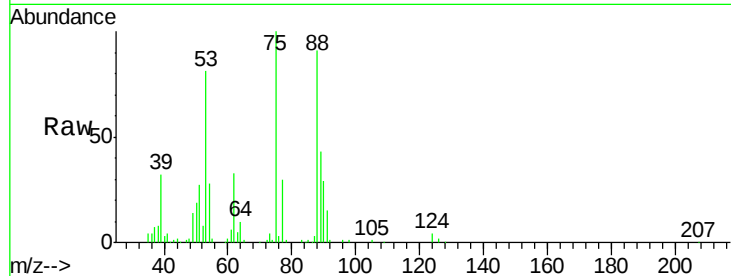
#81
trans-1,4-Dichloro-2-butene
Concen: 48.056 ug/l
RT: 12.40 min Scan# 1749
Delta R.T. 0.01 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.1	65.4	98.0
89	44.9	36.0	54.0

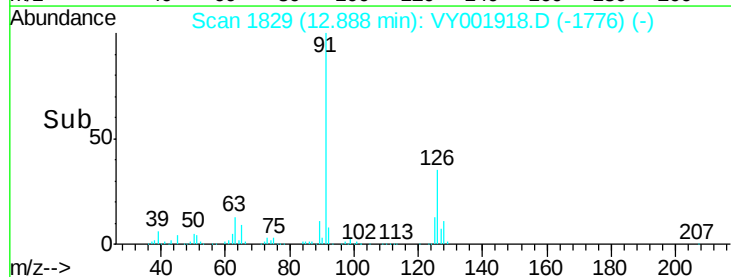
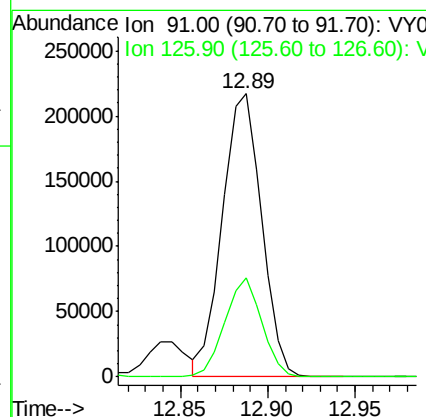
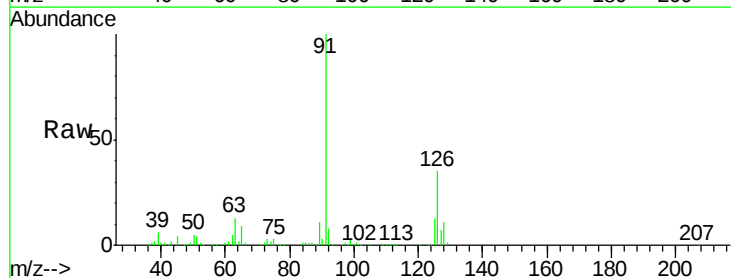
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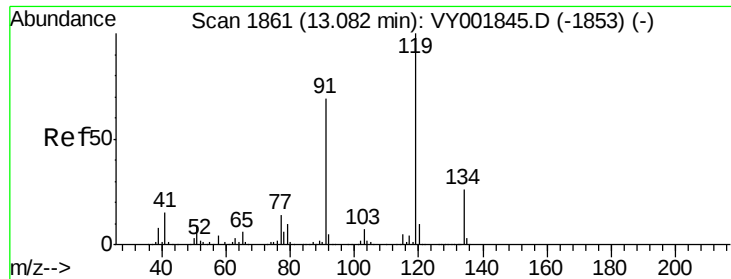
MMDadoda
3/11/2020 3:22:40 PM



#82
4-Chlorotoluene
Concen: 46.913 ug/l
RT: 12.89 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2





#83

tert-Butylbenzene

Concen: 47.740 ug/l

RT: 13.11 min Scan# 1866

Delta R.T. 0.03 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

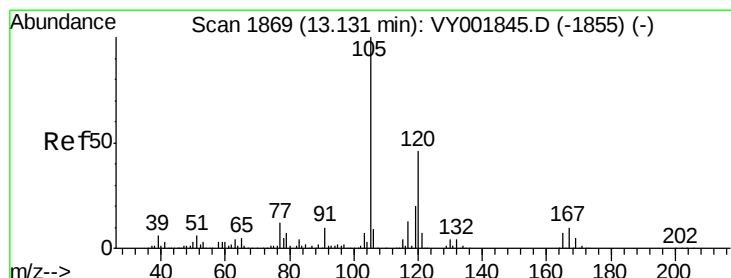
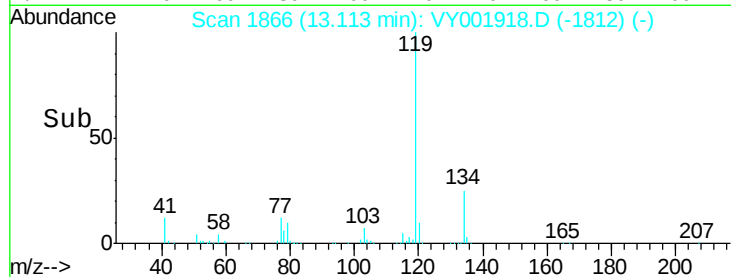
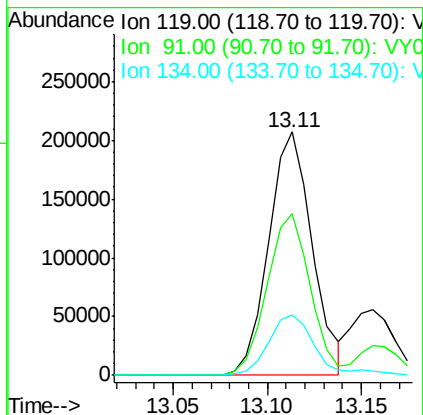
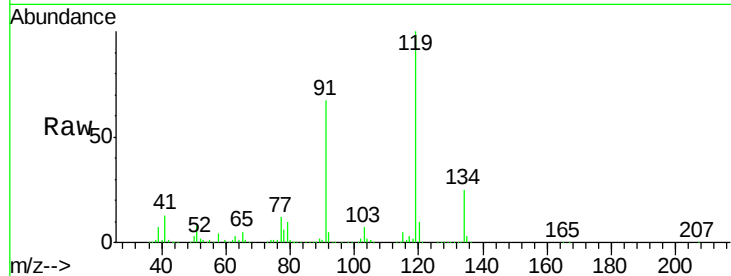
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	332011
Ion Ratio	Lower	Upper	
119	100		
91	65.6	34.0	101.8
134	26.6	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.251 ug/l

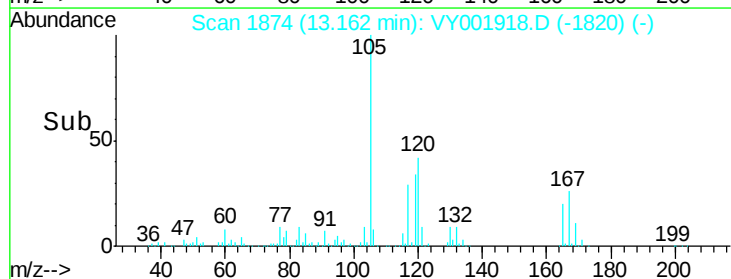
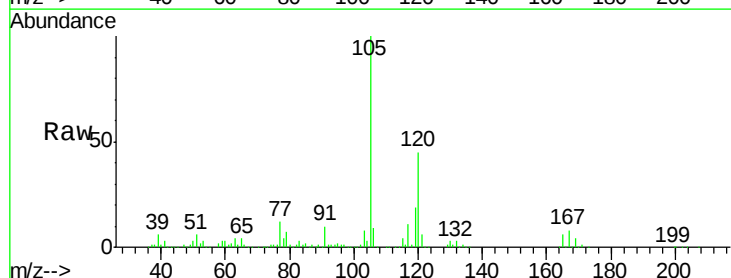
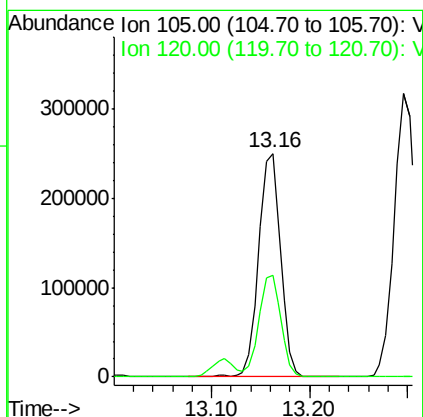
RT: 13.16 min Scan# 1874

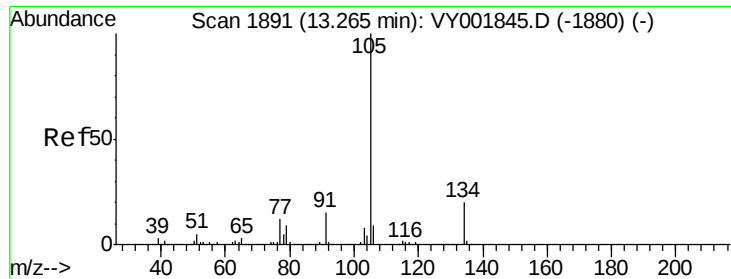
Delta R.T. 0.03 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Tgt Ion:	105	Resp:	392637
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 47.991 ug/l

RT: 13.30 min Scan# 1896

Delta R.T. 0.03 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 491947

Ion Ratio Lower Upper

105 100

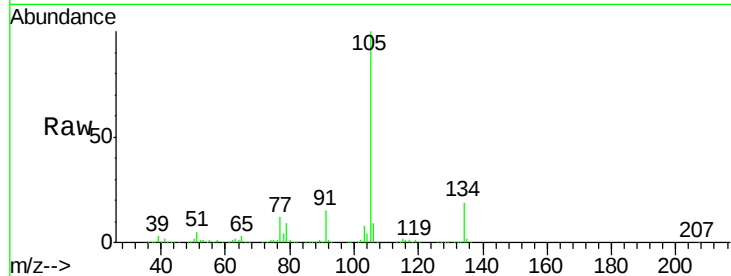
134 19.3 9.7 29.1

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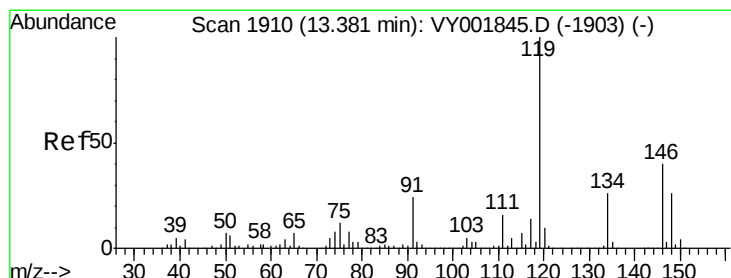
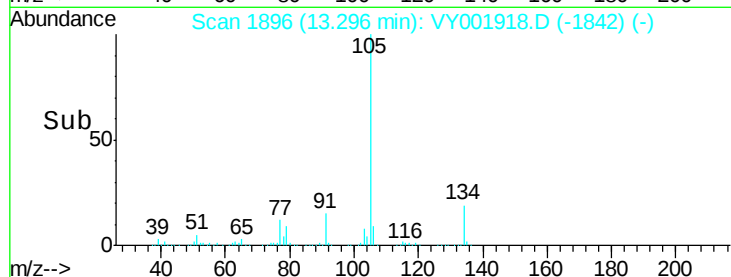
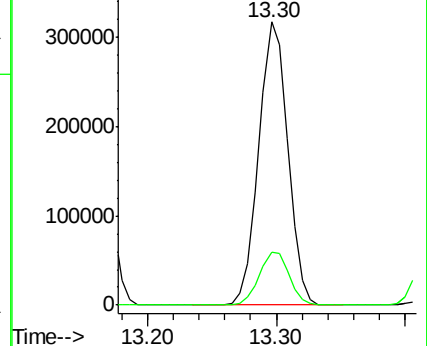
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.931 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.04 min

Lab File: VY001918.D

Acq: 10 Mar 2020 12:33

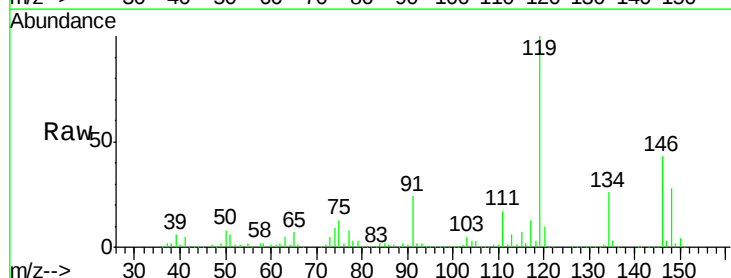
Tgt Ion:119 Resp: 423844

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

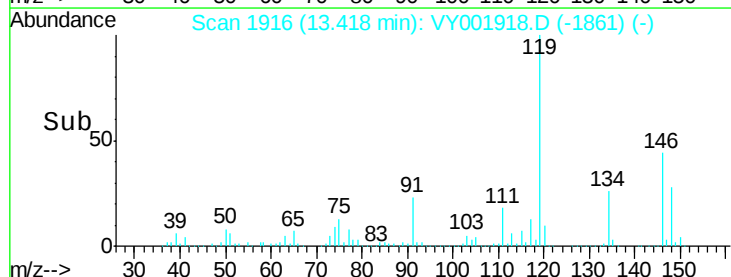
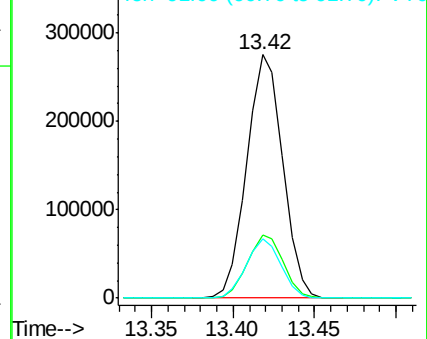
91 23.5 11.9 35.7

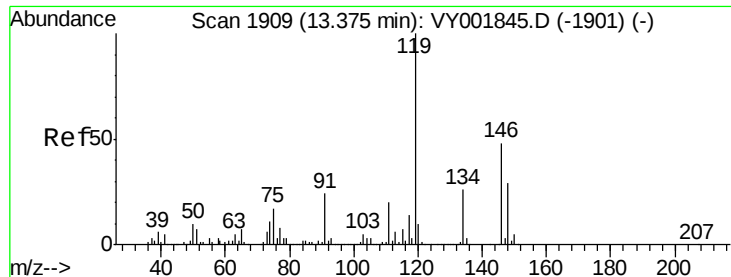


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





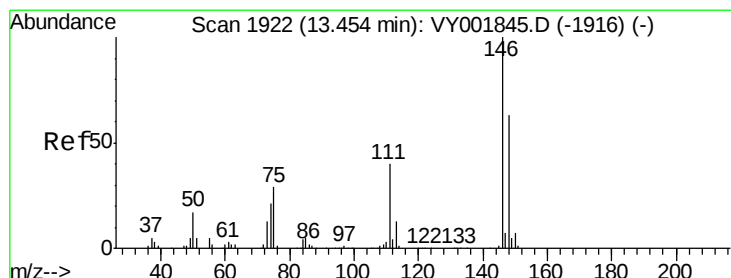
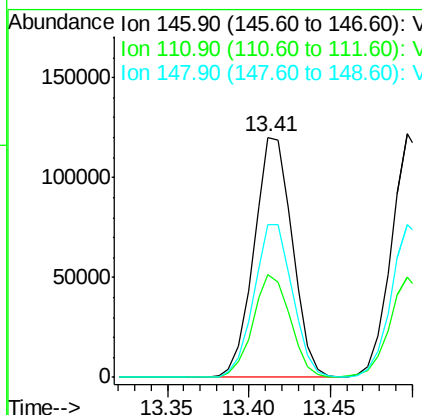
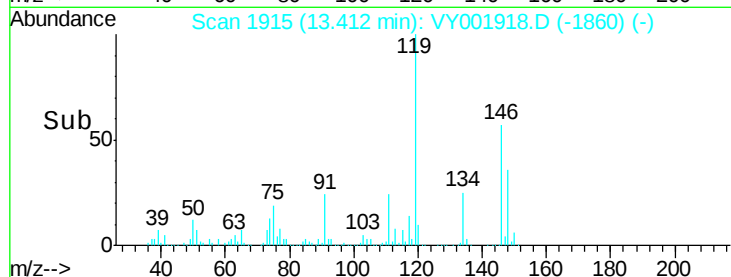
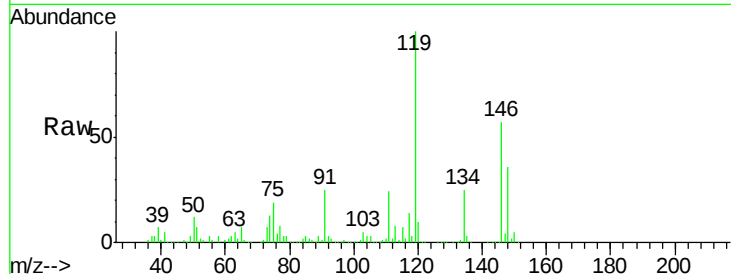
#87
 1,3-Dichlorobenzene
 Concen: 46.579 ug/l
 RT: 13.41 min Scan# 1915
 Delta R.T. 0.04 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196692		
111	41.8	20.8	62.5	
148	64.2	31.4	94.0	

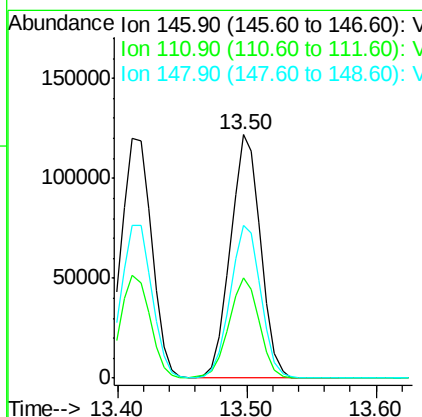
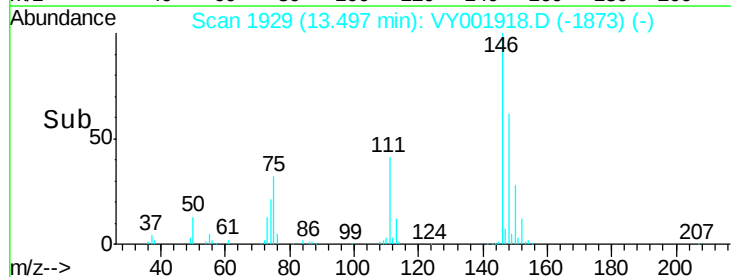
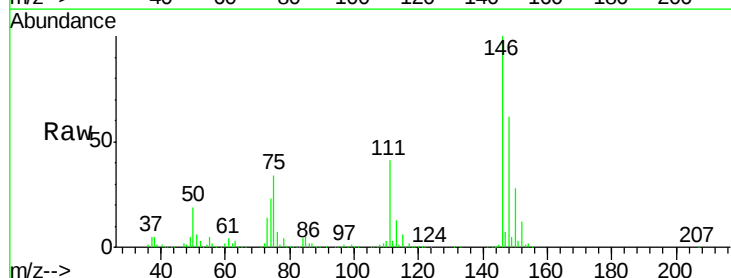
Manual Integrations
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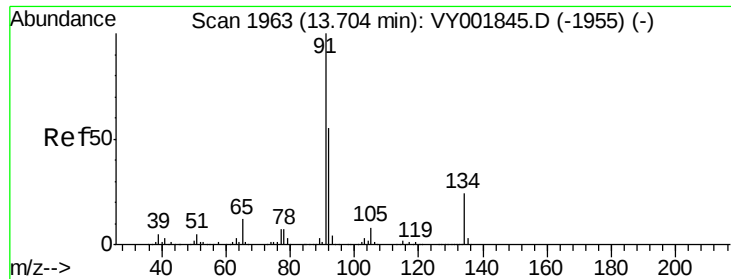
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 3/11/2020 3:22:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.938 ug/l m
 RT: 13.50 min Scan# 1929
 Delta R.T. 0.04 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196795		
111	41.7	20.0	60.0	
148	64.2	31.5	94.5	





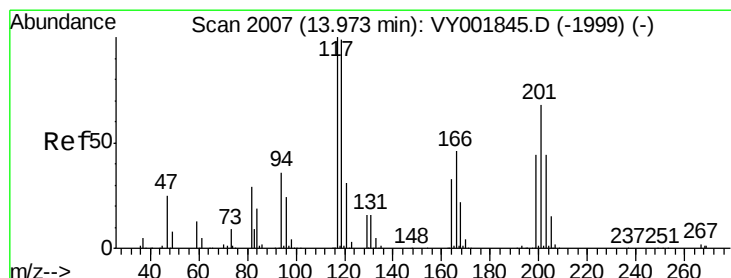
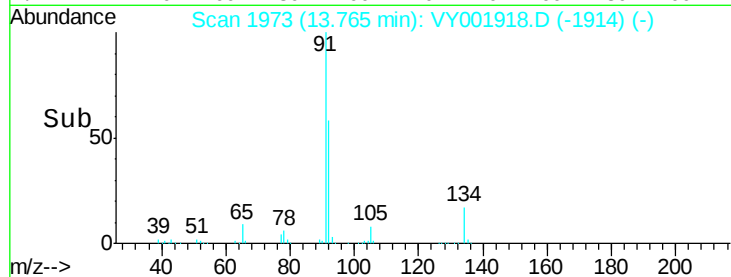
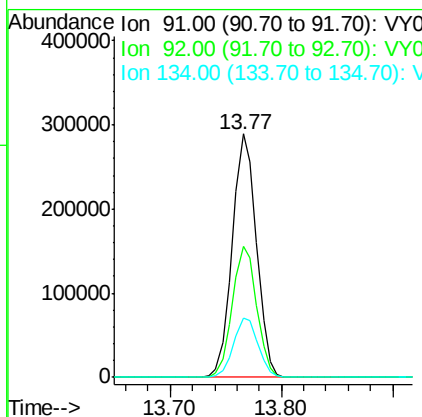
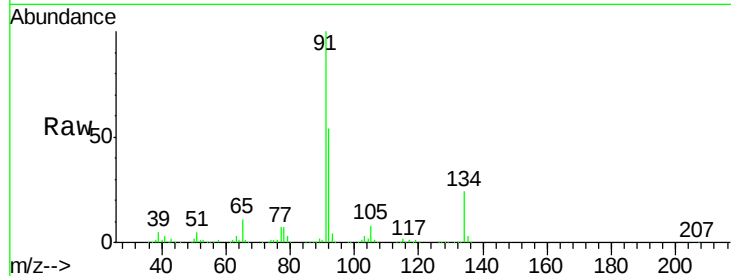
#89
n-Butylbenzene
Concen: 47.253 ug/l
RT: 13.77 min Scan# 1973
Delta R.T. 0.06 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	433512		
92	54.3		27.5	82.4
134	24.7		12.5	37.5

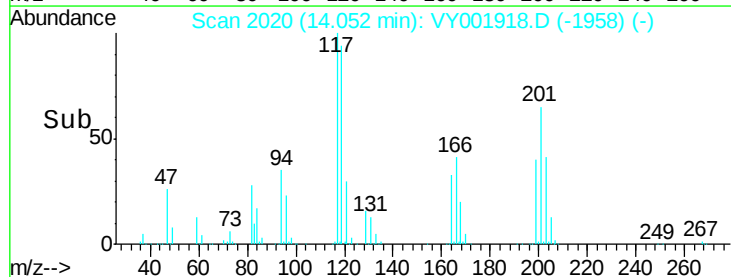
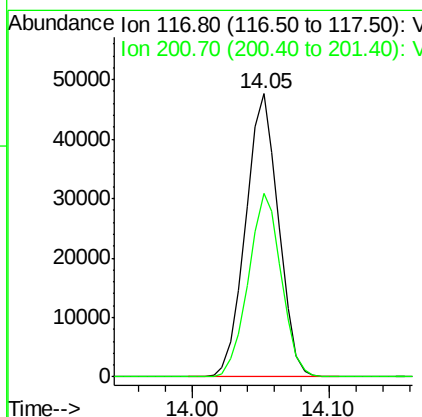
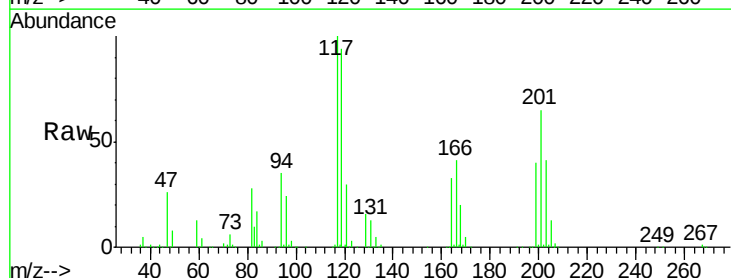
Manual Integrations
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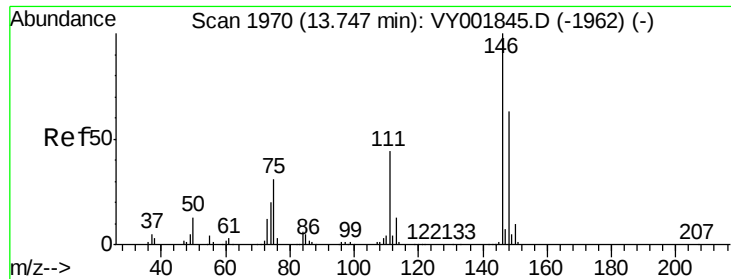
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#90
Hexachloroethane
Concen: 48.198 ug/l
RT: 14.05 min Scan# 2020
Delta R.T. 0.08 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80404		
201	64.8		32.5	97.5





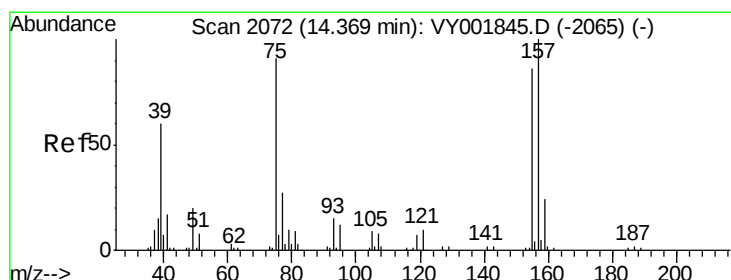
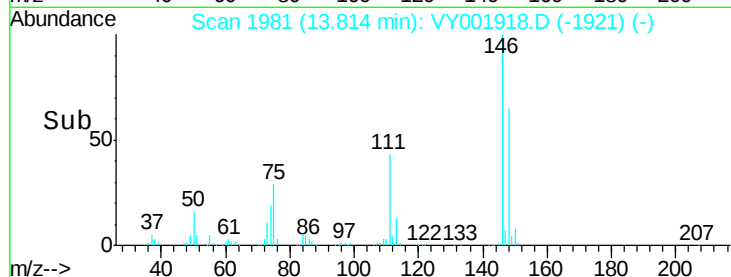
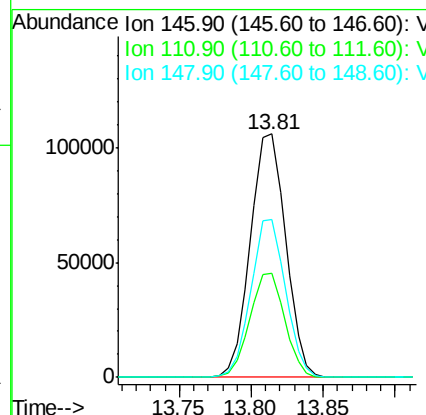
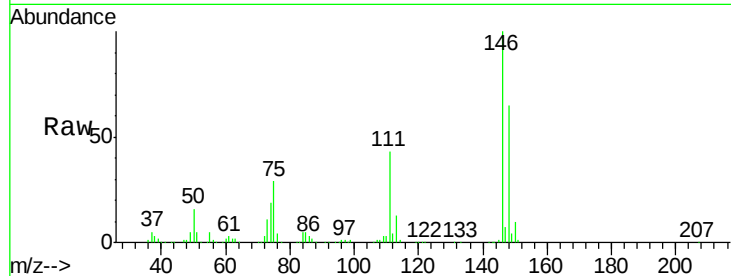
#91
 1,2-Dichlorobenzene
 Concen: 47.002 ug/l
 RT: 13.81 min Scan# 1981
 Delta R.T. 0.07 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.4	32.0	96.0

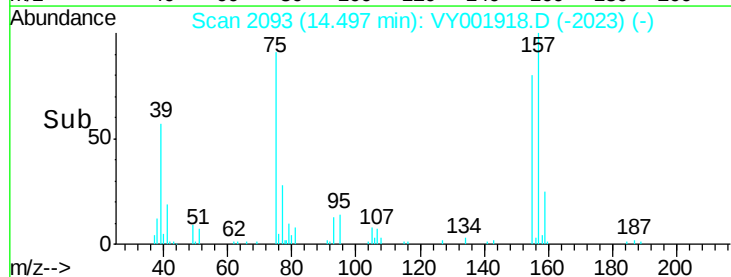
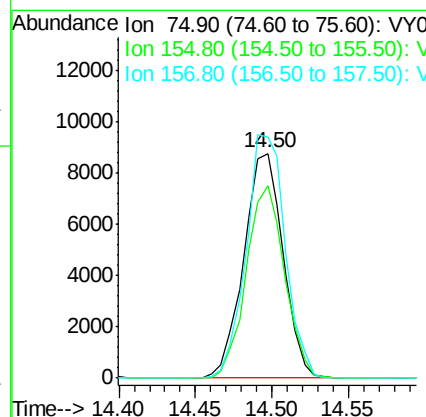
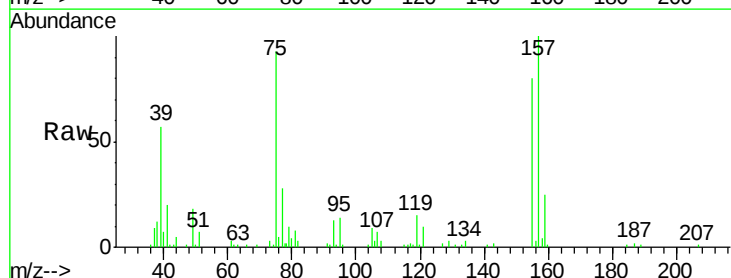
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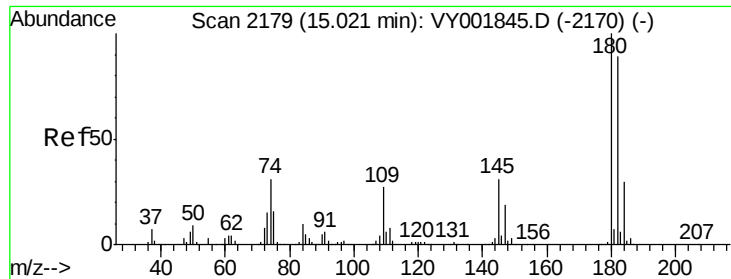
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.764 ug/l
 RT: 14.50 min Scan# 2093
 Delta R.T. 0.13 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	42.9	128.7
157	107.9	53.1	159.4





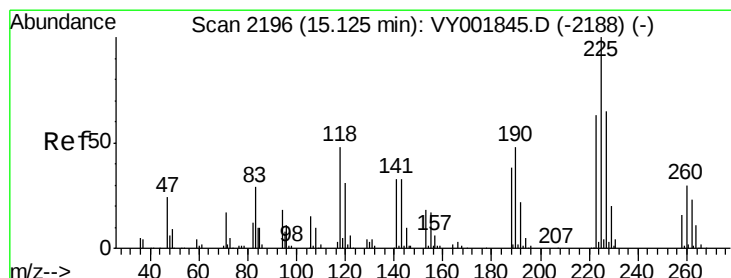
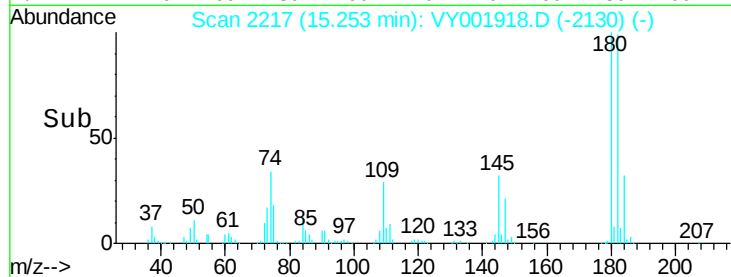
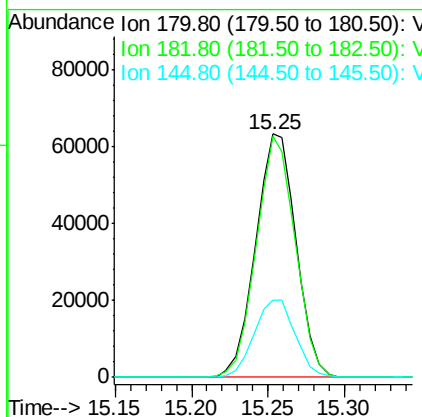
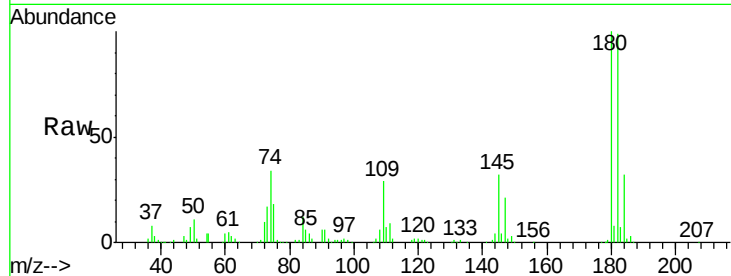
#93
 1,2,4-Trichlorobenzene
 Concen: 46.613 ug/l
 RT: 15.25 min Scan# 2217
 Delta R.T. 0.23 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	46.1	138.3	
145	32.3	15.6	46.8	

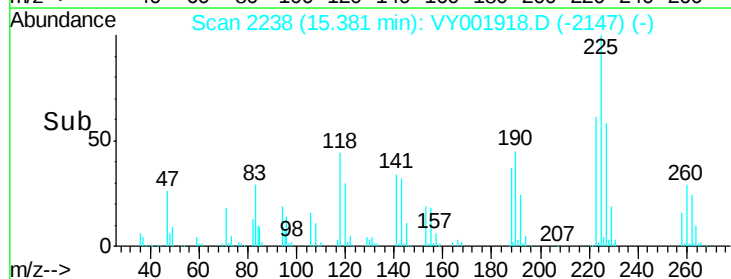
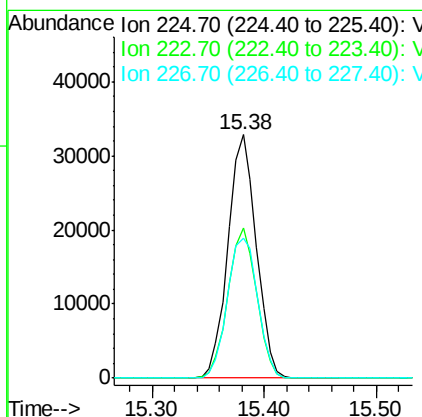
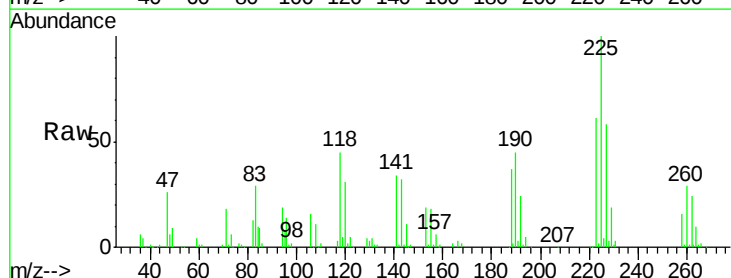
Manual Integrations
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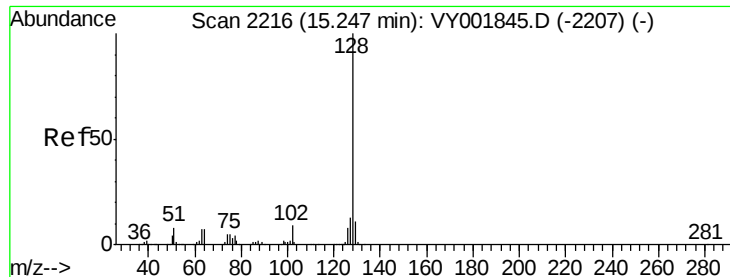
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 47.601 ug/l m
 RT: 15.38 min Scan# 2238
 Delta R.T. 0.26 min
 Lab File: VY001918.D
 Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	31.5	94.5	
227	59.8	31.9	95.5	





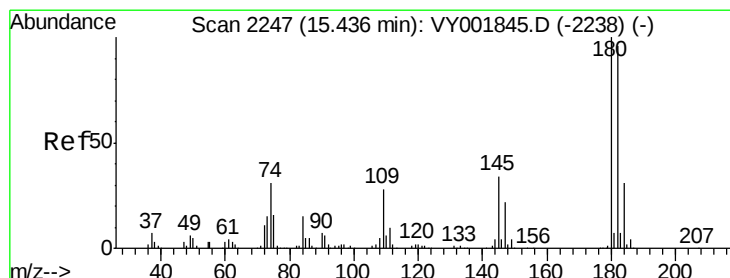
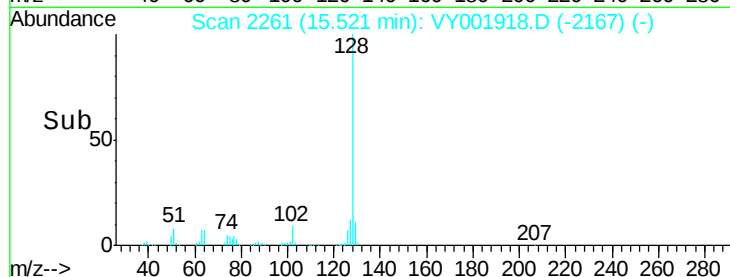
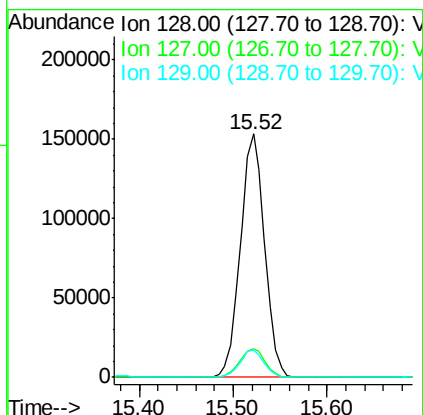
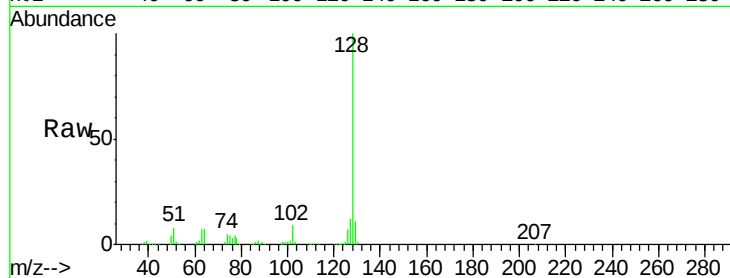
#95
Naphthalene
Concen: 46.827 ug/l m
RT: 15.52 min Scan# 2261
Delta R.T. 0.27 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.6	13.0#

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 47.157 ug/l m
RT: 15.73 min Scan# 2296
Delta R.T. 0.30 min
Lab File: VY001918.D
Acq: 10 Mar 2020 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.2	47.6	142.9
145	36.3	16.8	50.3

