

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002209.D
 Acq On : 03 Apr 2020 10:43
 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
 4/6/2020 11:30:22 AM

Quant Time: Apr 04 00:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	158106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	287033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	83046	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	7.74	113	78238	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.19	98	321724	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.49	95	111914	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	44896	43.150	ug/l	99
3) Chloromethane	2.13	50	76061	41.166	ug/l	98
4) Vinyl Chloride	2.27	62	81984	43.628	ug/l	98
5) Bromomethane	2.67	94	56963	46.449	ug/l	97
6) Chloroethane	2.82	64	55332	45.857	ug/l	95
7) Trichlorofluoromethane	3.15	101	119924	46.570	ug/l	99
8) Diethyl Ether	3.55	74	51879	47.565	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	80015	47.360	ug/l	98
10) Methyl Iodide	4.12	142	92561	46.074	ug/l	99
11) Tert butyl alcohol	4.99	59	50517	245.264	ug/l	96
12) 1,1-Dichloroethene	3.90	96	80474	46.908	ug/l	99
13) Acrolein	3.76	56	68004	264.164	ug/l	99
14) Allyl chloride	4.51	41	149449	47.585	ug/l	99
15) Acrylonitrile	5.19	53	137754	240.965	ug/l	99
16) Acetone	3.97	43	121114	246.644	ug/l	99
17) Carbon Disulfide	4.22	76	259200	45.526	ug/l	99
18) Methyl Acetate	4.51	43	58946	46.228	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	229071	47.864	ug/l	99
20) Methylene Chloride	4.75	84	97188	47.554	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	92985	47.603	ug/l	99
22) Diisopropyl ether	6.14	45	310133	48.253	ug/l	96
23) Vinyl Acetate	6.09	43	1016602	241.209	ug/l	99
24) 1,1-Dichloroethane	6.05	63	164584	48.161	ug/l	98
25) 2-Butanone	7.01	43	180396	239.250	ug/l	99
26) 2,2-Dichloropropane	7.00	77	137773	48.951	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	104856	48.794	ug/l	99
28) Bromochloromethane	7.36	49	79802	51.151	ug/l	98
29) Tetrahydrofuran	7.37	42	117133	236.941	ug/l	99
30) Chloroform	7.53	83	156524	48.322	ug/l	99
31) Cyclohexane	7.80	56	165059	45.328	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	131157	48.496	ug/l	100
36) 1,1-Dichloropropene	7.94	75	129512	47.704	ug/l	99
37) Ethyl Acetate	7.10	43	77320	47.128	ug/l	99
38) Carbon Tetrachloride	7.92	117	113093	49.098	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	170422	47.855	ug/l	99
40) Benzene	8.18	78	392615	48.821	ug/l	99
41) Methacrylonitrile	7.34	41	43509m	52.428	ug/l	
42) 1,2-Dichloroethane	8.25	62	101849	47.703	ug/l	99
43) Isopropyl Acetate	8.29	43	143383	47.087	ug/l	100
44) Trichloroethene	8.96	130	93980	48.480	ug/l	93
45) 1,2-Dichloropropane	9.23	63	101191	49.418	ug/l	100
46) Dibromomethane	9.32	93	51462	48.937	ug/l	99
47) Bromodichloromethane	9.51	83	121837	49.769	ug/l	98
48) Methyl methacrylate	9.30	41	63746	46.714	ug/l	97
49) 1,4-Dioxane	9.32	88	14045	973.290	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	384742	245.374	ug/l	100
52) Toluene	10.25	92	239022	49.141	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	133823	49.251	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	157814	49.331	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	74627	47.949	ug/l	98
56) Ethyl methacrylate	10.52	69	108380	47.676	ug/l	98
57) 1,3-Dichloropropane	10.80	76	133546	48.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	274966	235.399	ug/l	100
59) 2-Hexanone	10.85	43	264087	239.098	ug/l	98
60) Dibromochloromethane	11.00	129	81875	50.272	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71519	49.094	ug/l	97
64) Tetrachloroethene	10.73	164	81415	51.753	ug/l	98
65) Chlorobenzene	11.53	112	241621	48.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	81350	48.992	ug/l	98
67) Ethyl Benzene	11.60	91	458314	49.719	ug/l	99
68) m/p-Xylenes	11.71	106	338722	99.382	ug/l	99
69) o-Xylene	12.04	106	157702	48.777	ug/l	99
70) Styrene	12.05	104	278240	49.664	ug/l	99
71) Bromoform	12.22	173	44715	49.167	ug/l #	98
73) Isopropylbenzene	12.34	105	432696	50.452	ug/l	99
74) N-amyl acetate	12.16	43	130257	48.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	91661	49.667	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	61104m	47.248	ug/l	
77) Bromobenzene	12.62	156	91107	49.763	ug/l	98
78) n-propylbenzene	12.68	91	531667	49.954	ug/l	100
79) 2-Chlorotoluene	12.77	91	290920	49.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	353694	49.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	32874	49.246	ug/l	95
82) 4-Chlorotoluene	12.86	91	303171	49.233	ug/l	98
83) tert-Butylbenzene	13.09	119	300730	50.917	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	354353	50.193	ug/l	99
85) sec-Butylbenzene	13.27	105	440572	50.362	ug/l	100
86) p-Isopropyltoluene	13.38	119	378618	50.398	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	175955	49.128	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	177897	49.359	ug/l	99
89) n-Butylbenzene	13.71	91	387389	49.491	ug/l	99
90) Hexachloroethane	13.97	117	72182	50.991	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	161038	48.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	13671	46.245	ug/l	97

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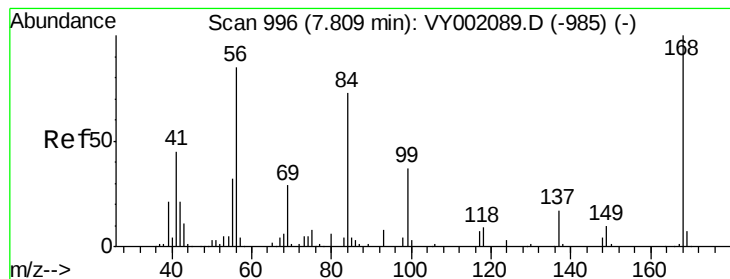
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	101676	47.693	ug/l	99
94) Hexachlorobutadiene	15.12	225	50767	48.243	ug/l	100
95) Naphthalene	15.25	128	240703	47.537	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	90521	46.824	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 158106

Ion Ratio Lower Upper

168 100

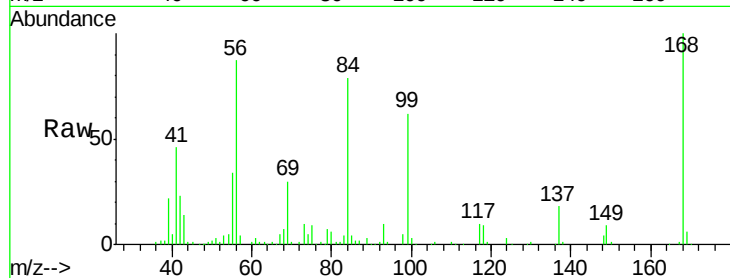
99 62.1 47.6 71.4

Manual Integrations

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4/6/2020 11:30:22 AM



Abundance Ion 167.90 (167.60 to 168.60): VY002209.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002209.D (-985) (-)

7.81

60000

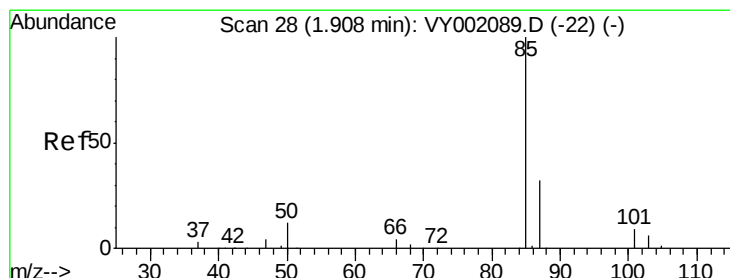
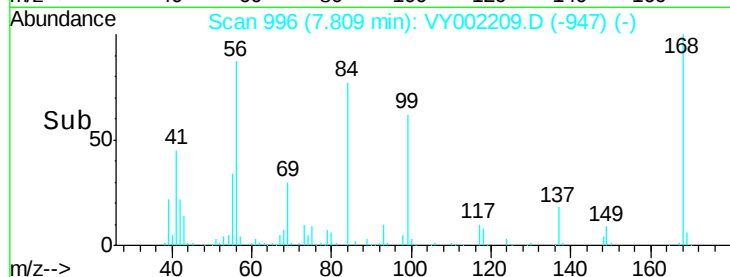
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.150 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002209.D

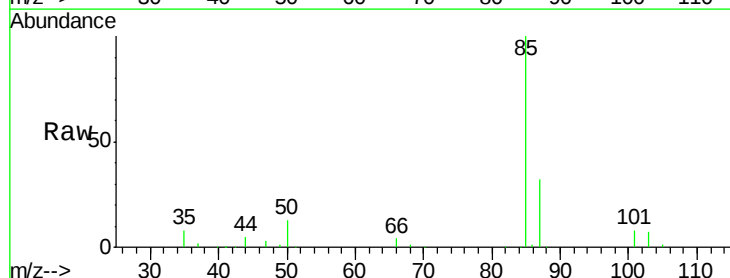
Acq: 03 Apr 2020 10:43

Tgt Ion: 85 Resp: 44896

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002209.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002209.D (-22) (-)

1.91

30000

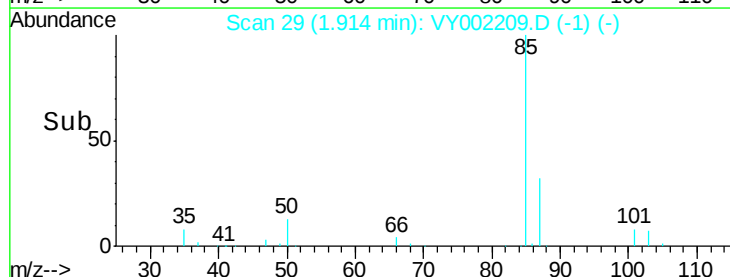
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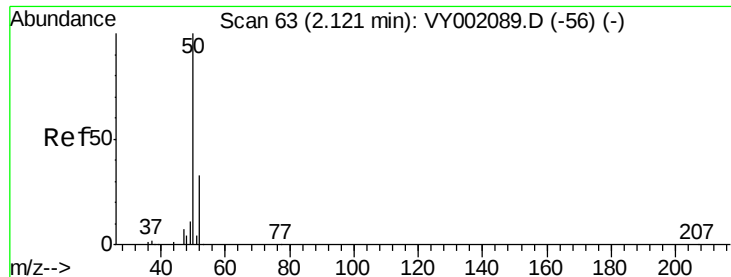
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 41.166 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tot Ion: 50 Resp: 76061

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1

Instrument :

MSVOA_Y

ClientSampleId :

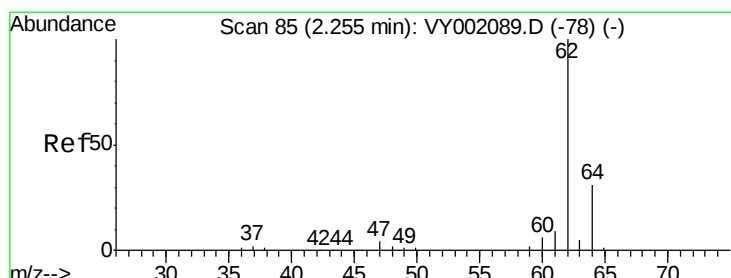
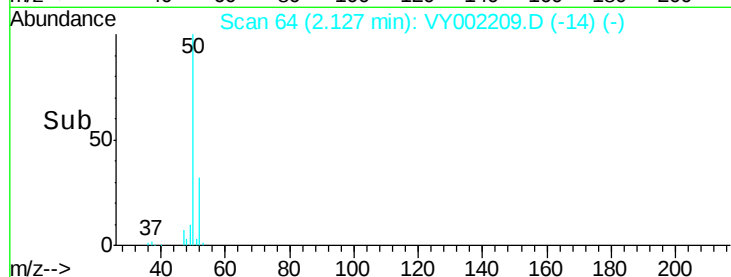
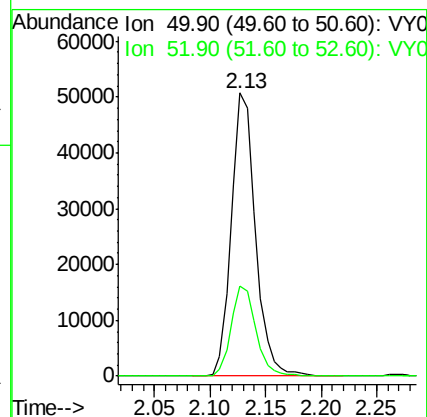
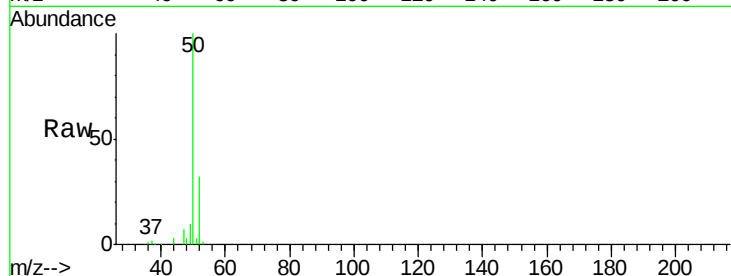
VSTDCCC050

Manual Integrations

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4/6/2020 11:30:22 AM



#4

Vinyl Chloride

Concen: 43.628 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002209.D

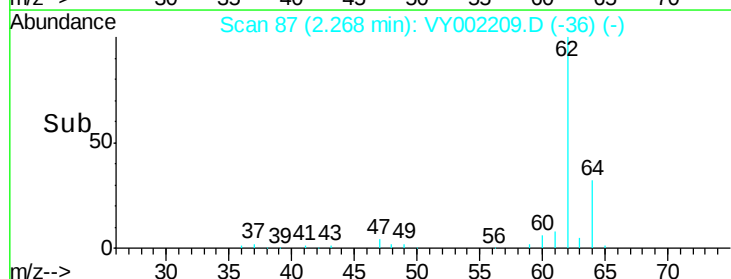
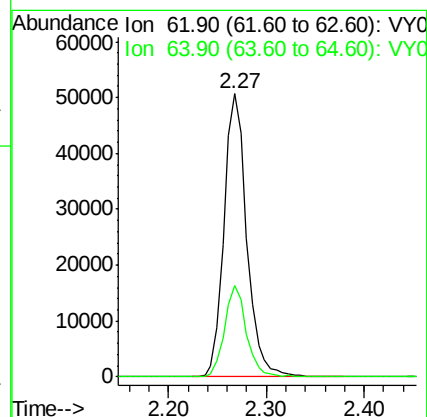
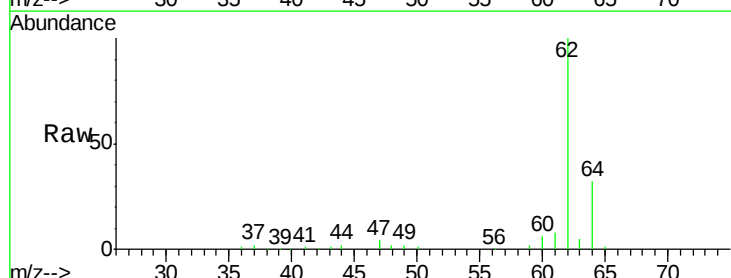
Acq: 03 Apr 2020 10:43

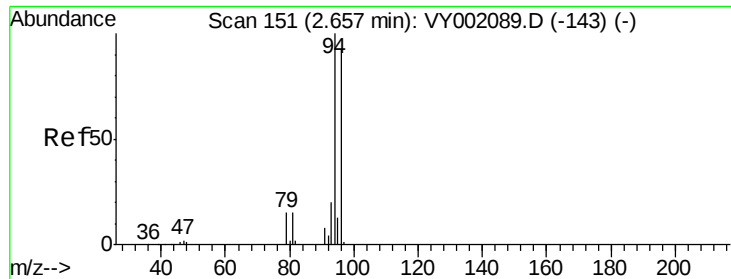
Tgt Ion: 62 Resp: 81984

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 46.449 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56963

Ion Ratio Lower Upper

94 100

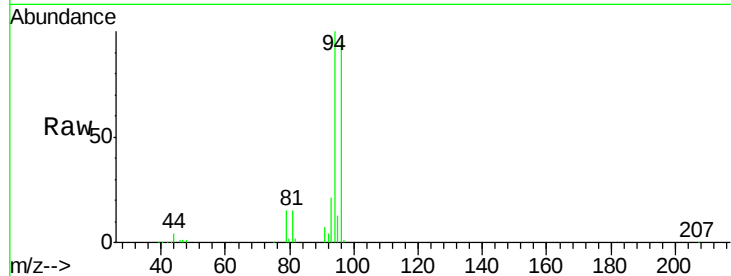
96 95.1 74.1 111.1

Manual Integrations

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4/6/2020 11:30:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.67

30000

25000

20000

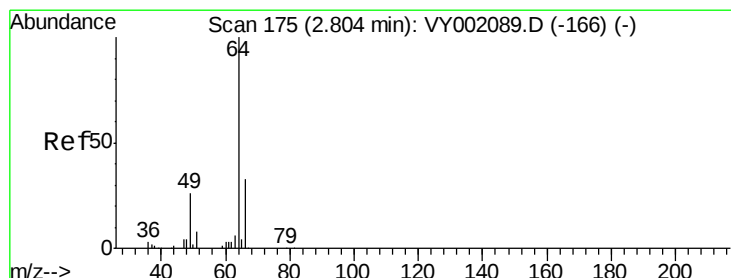
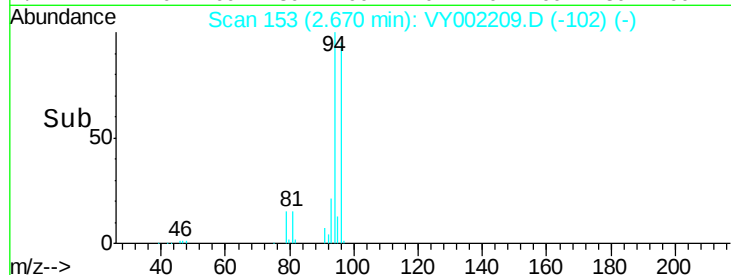
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 45.857 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002209.D

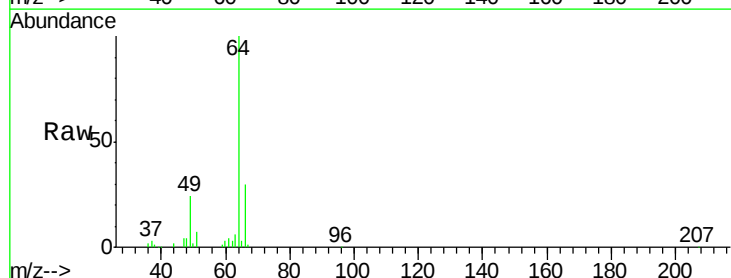
Acq: 03 Apr 2020 10:43

Tgt Ion: 64 Resp: 55332

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

30000

25000

20000

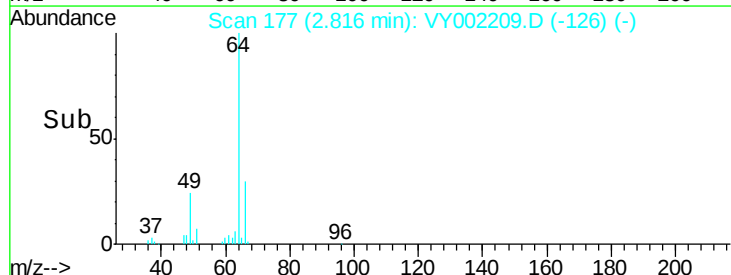
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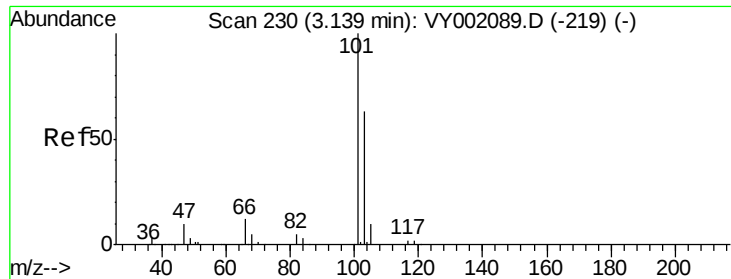
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5000

0

Time-->





#7

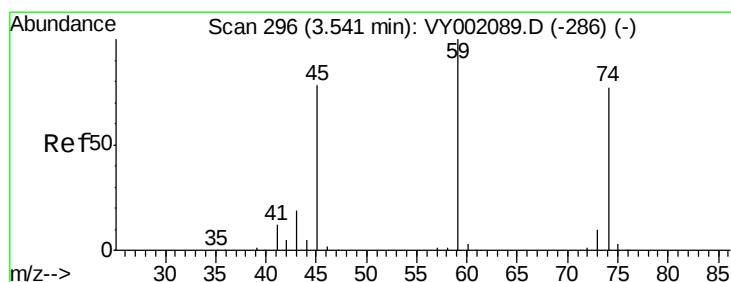
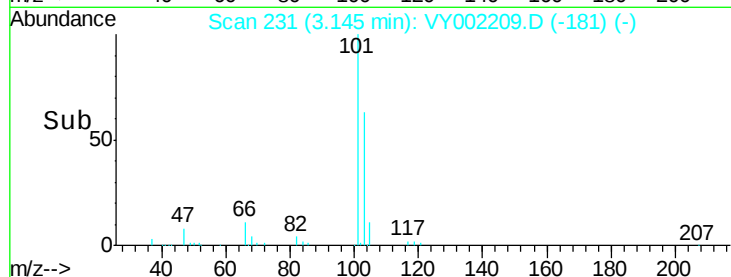
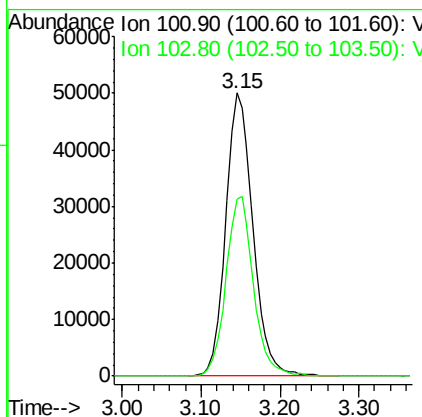
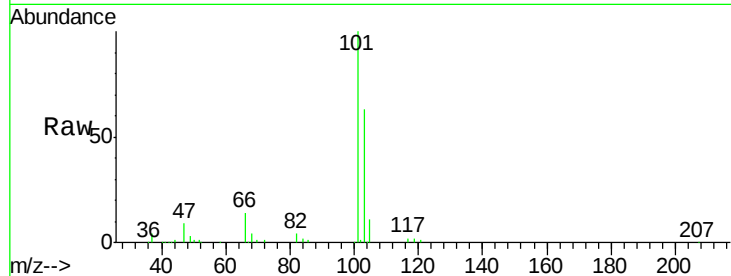
Trichlorofluoromethane
Concen: 46.570 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002209.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		119924		
103	62.8	50.6	76.0		

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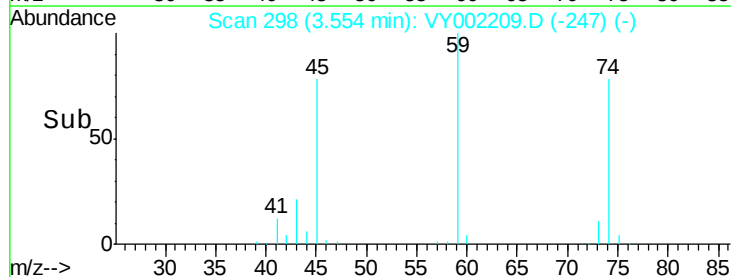
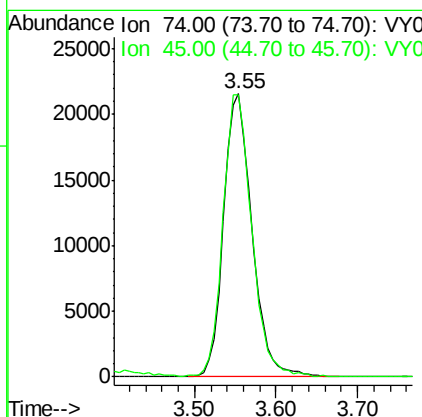
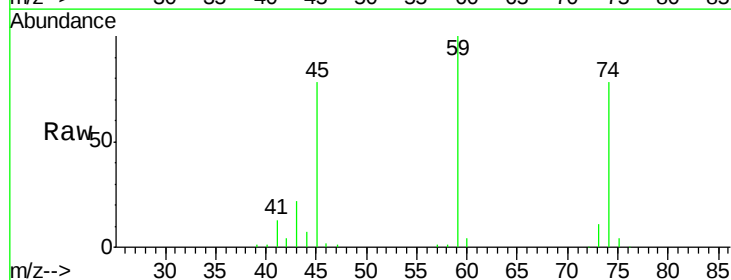
MMDadoda
4/6/2020 11:30:22 AM

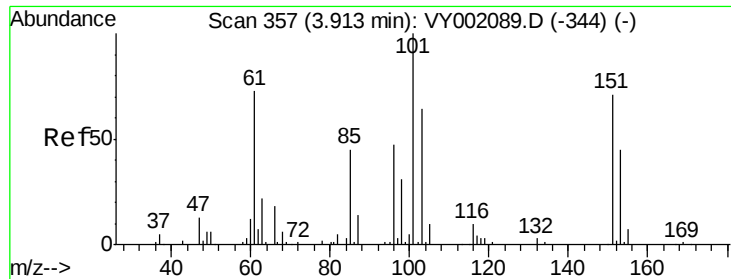


#8

Diethyl Ether
Concen: 47.565 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		51879		
45	101.1	51.0	153.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.360 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

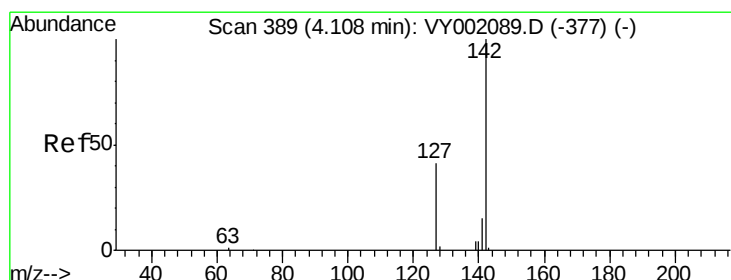
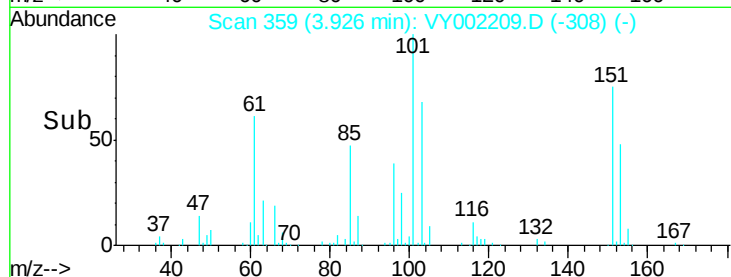
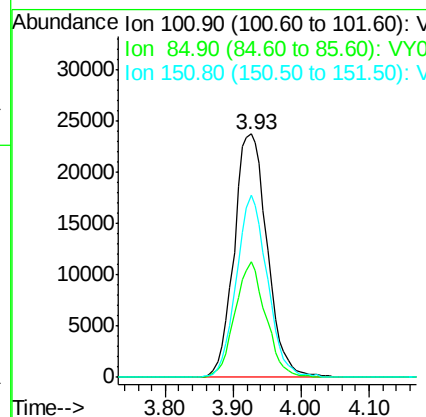
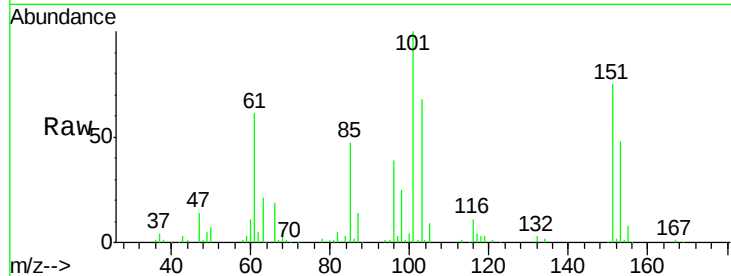
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80015
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.9	53.9
151	70.1	57.5	86.3

Manual Integrations
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4/6/2020 11:30:22 AM



#10

Methyl Iodide

Concen: 46.074 ug/l

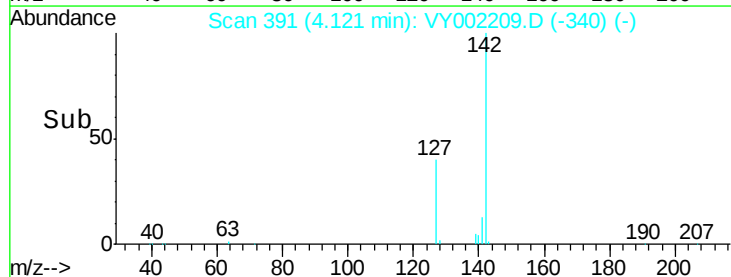
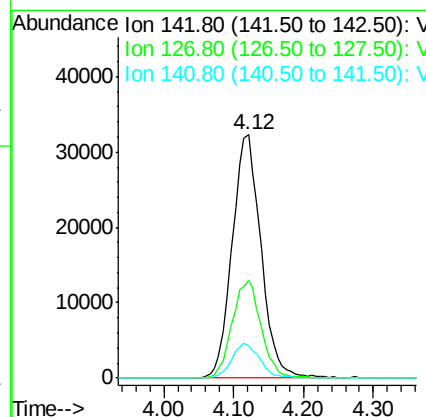
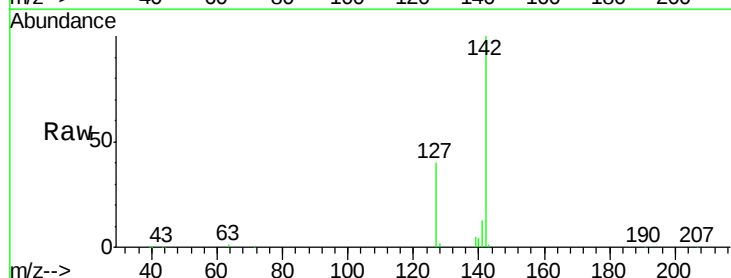
RT: 4.12 min Scan# 391

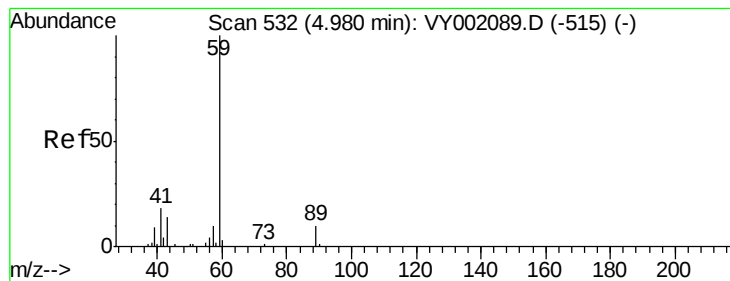
Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tgt Ion:	142	Resp:	92561
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.6	49.0
141	13.8	11.4	17.0





#11

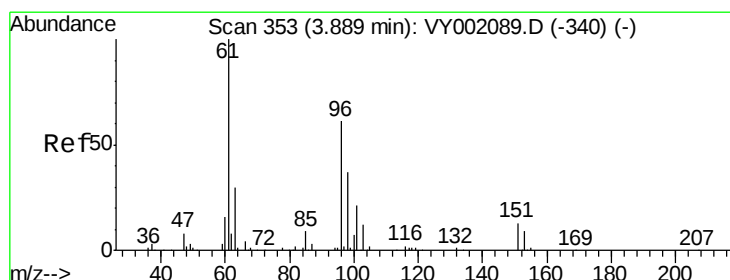
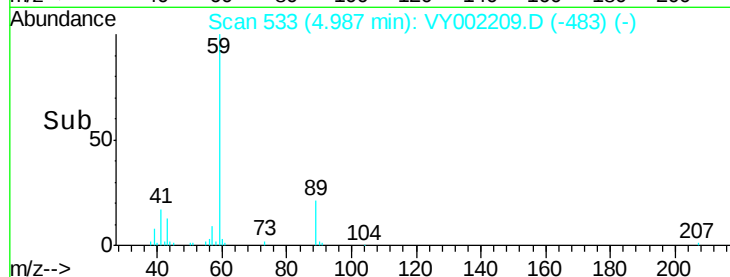
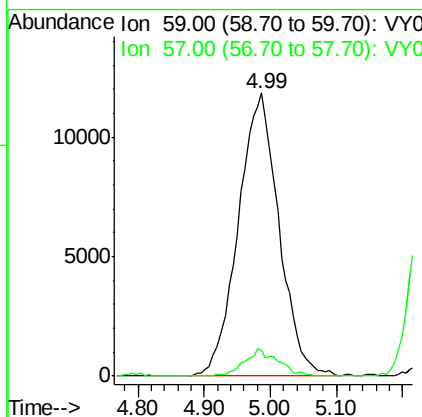
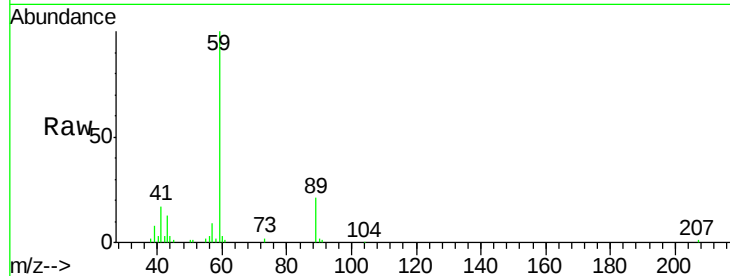
Tert butyl alcohol
Concen: 245.264 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.7	11.5

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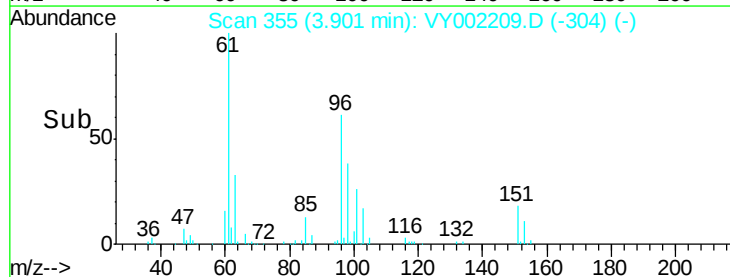
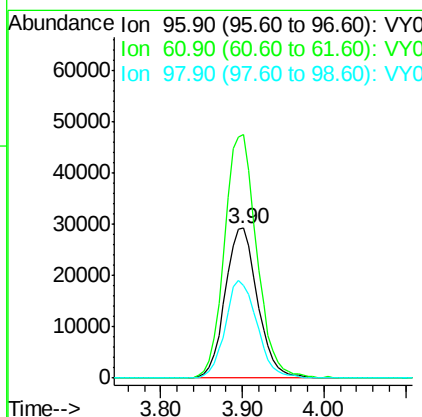
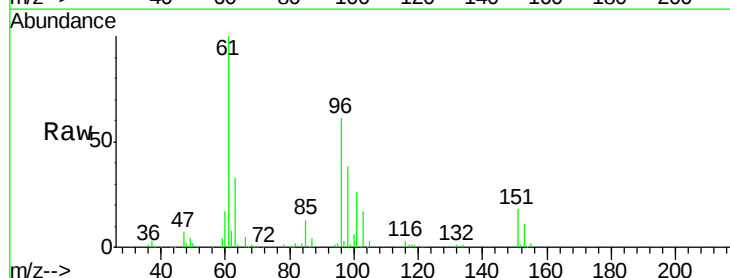
MMDadoda
4/6/2020 11:30:22 AM

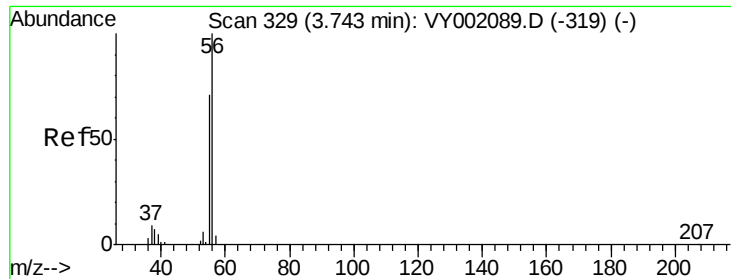


#12

1,1-Dichloroethene
Concen: 46.908 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	132.0	198.0
98	62.1	49.4	74.0





#13

Acrolein

Concen: 264.164 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68004

Ion Ratio Lower Upper

56 100

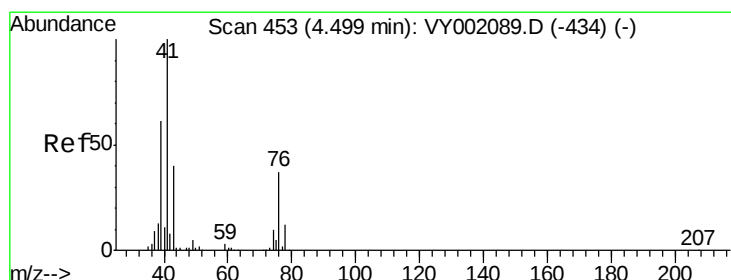
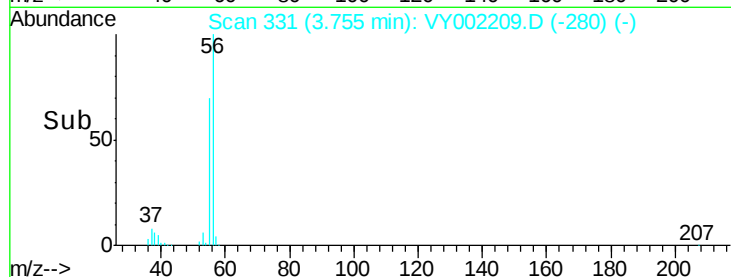
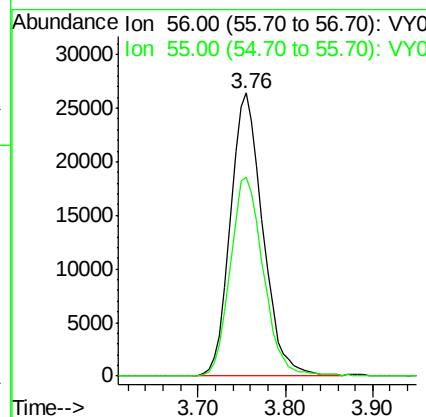
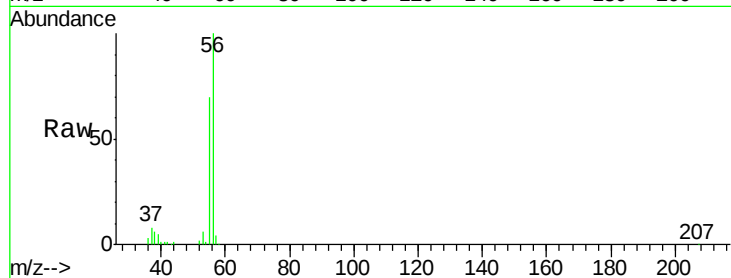
55 71.8 56.5 84.7

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 47.585 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

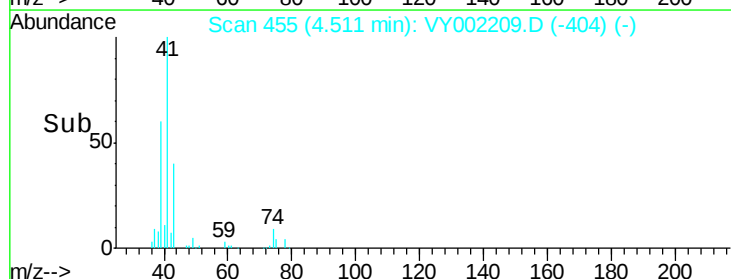
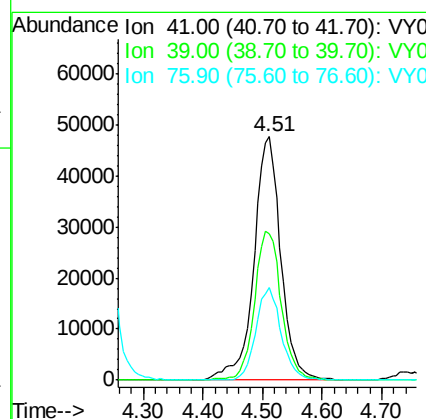
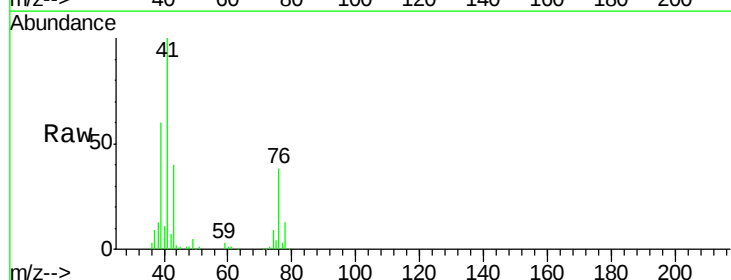
Tgt Ion: 41 Resp: 149449

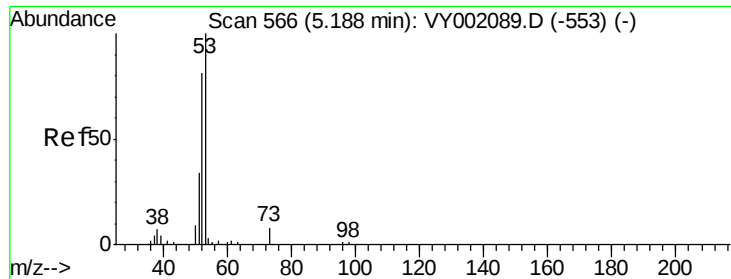
Ion Ratio Lower Upper

41 100

39 60.8 49.0 73.4

76 35.6 27.8 41.8





#15

Acrylonitrile

Concen: 240.965 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

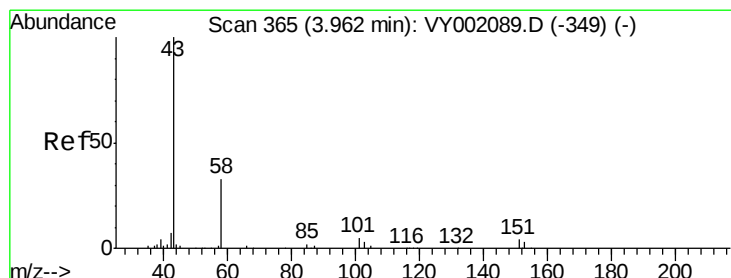
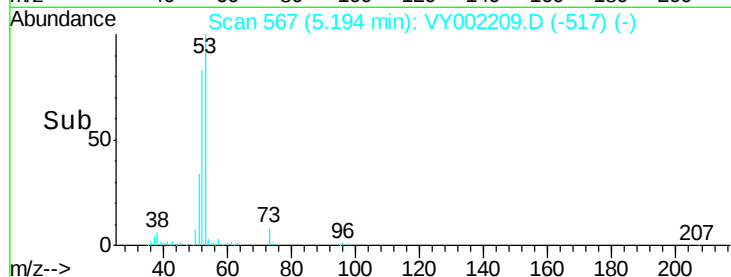
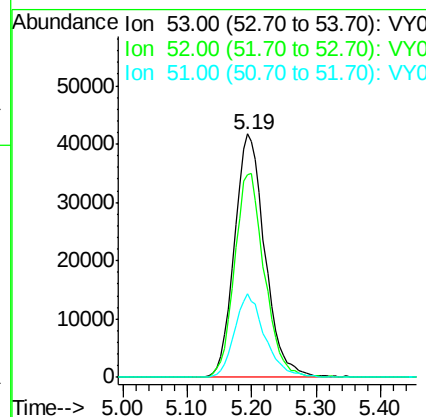
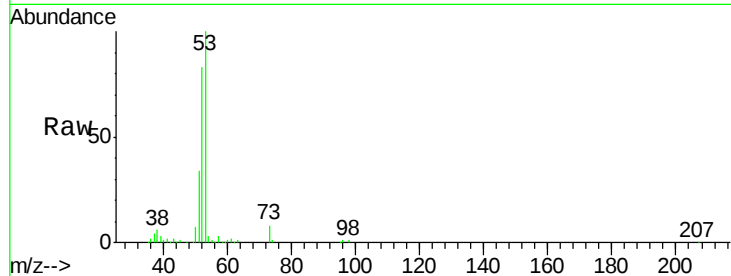
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	137754
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.6	97.0
51	34.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 246.644 ug/l

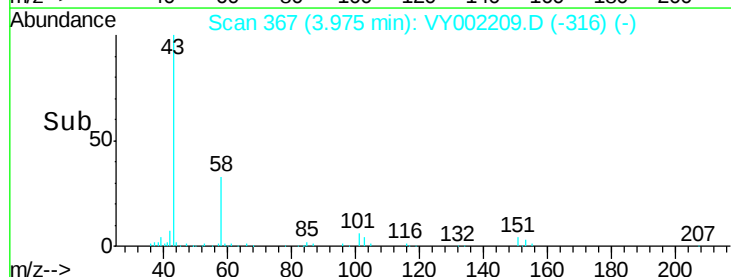
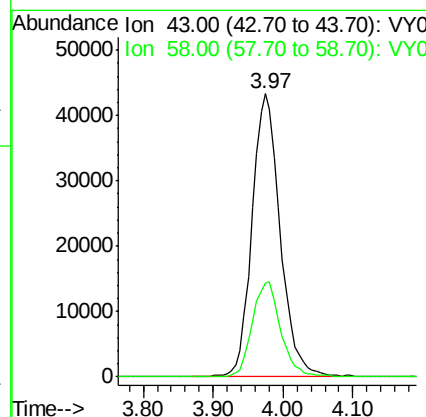
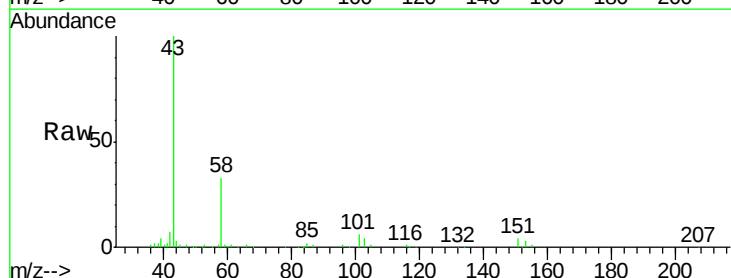
RT: 3.97 min Scan# 367

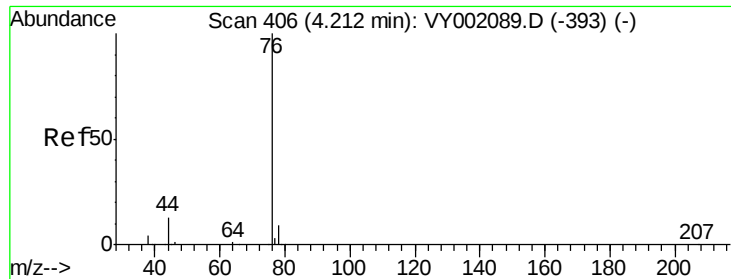
Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tgt Ion:	43	Resp:	121114
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.3	39.5





#17

Carbon Disulfide

Concen: 45.526 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 259200

Ion Ratio Lower Upper

76 100

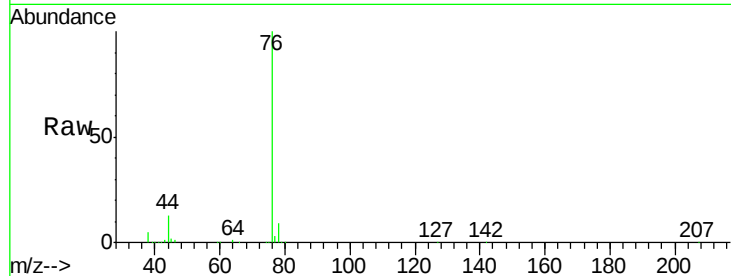
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

100000

80000

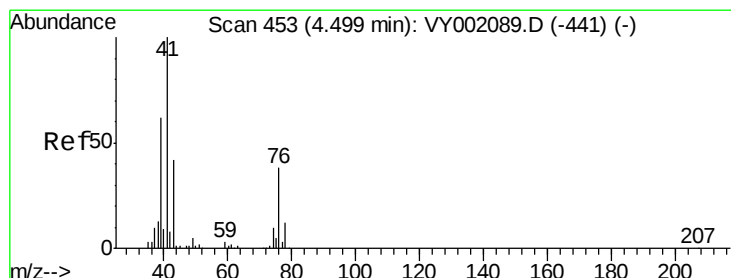
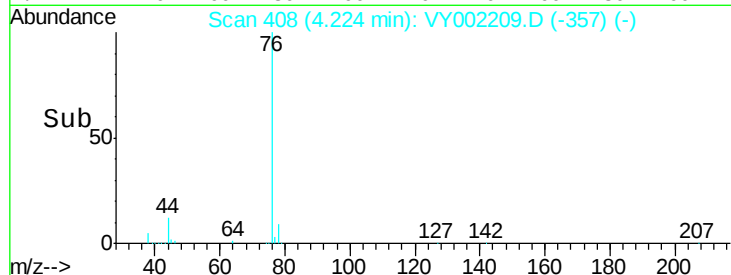
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 46.228 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002209.D

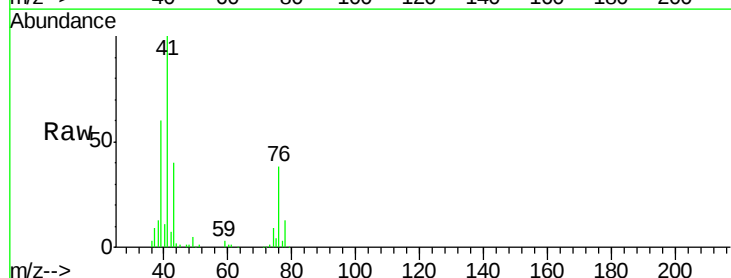
Acq: 03 Apr 2020 10:43

Tgt Ion: 43 Resp: 58946

Ion Ratio Lower Upper

43 100

74 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.51

20000

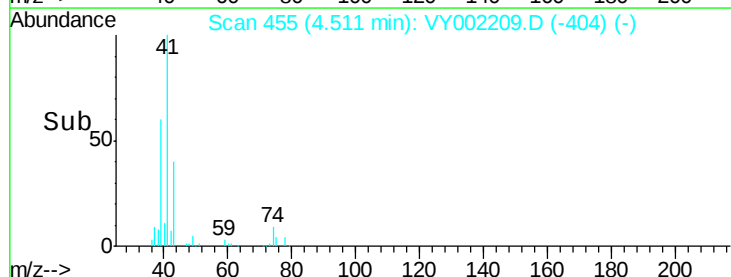
15000

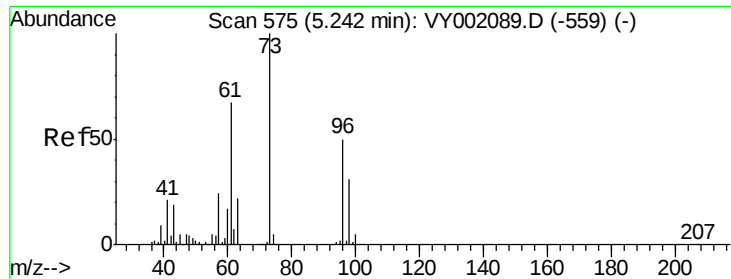
10000

5000

0

Time-->





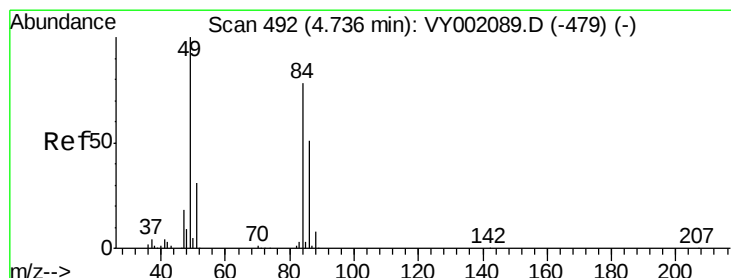
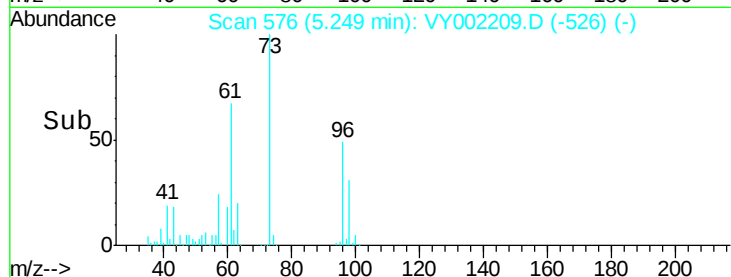
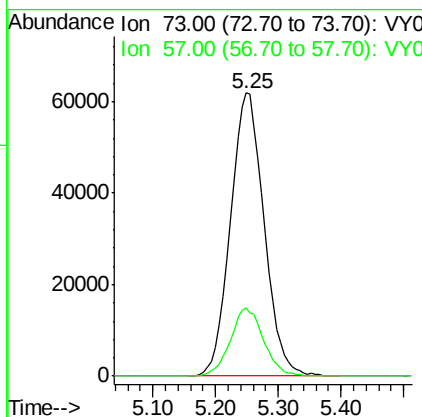
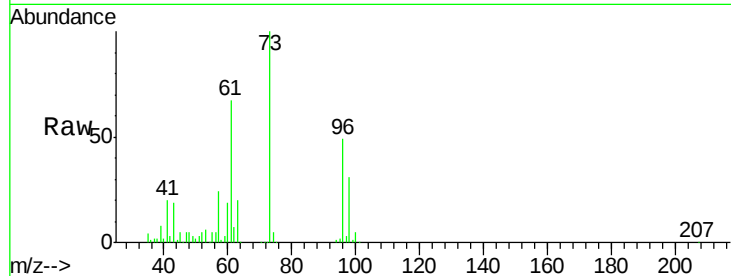
#19
Methvl tert-butvl Ether
Concen: 47.864 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 229071
Ion Ratio Lower Upper
73 100
57 24.4 19.0 28.6

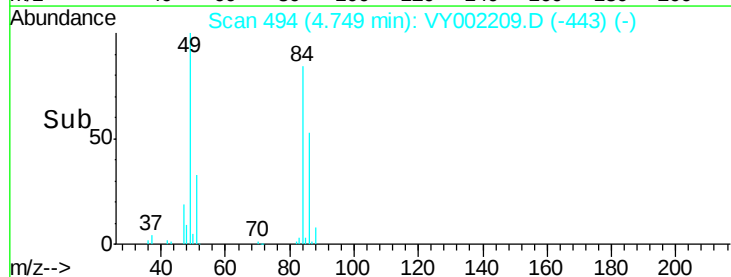
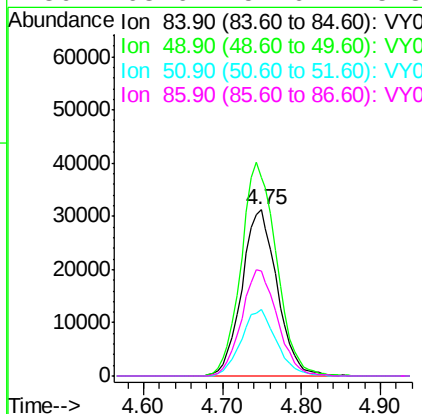
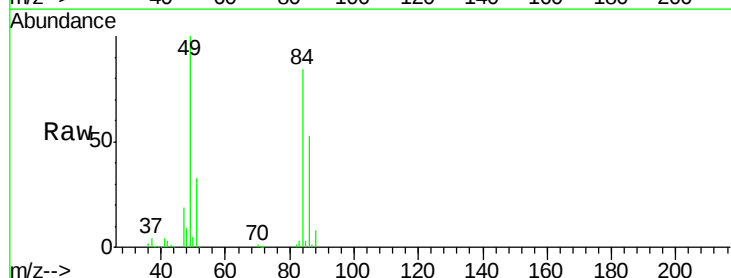
Manual Integrations
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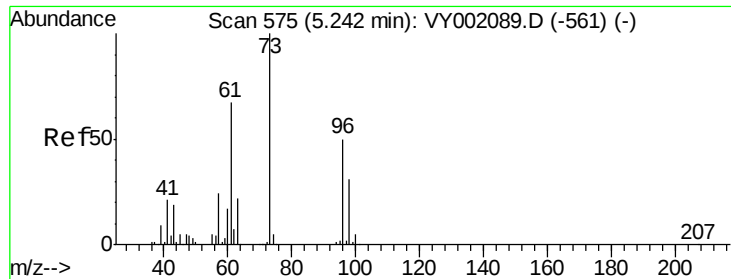
MMDadoda
4/6/2020 11:30:22 AM



#20
Methylene Chloride
Concen: 47.554 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion: 84 Resp: 97188
Ion Ratio Lower Upper
84 100
49 119.4 102.2 153.4
51 39.9 31.2 46.8
86 63.6 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 47.603 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

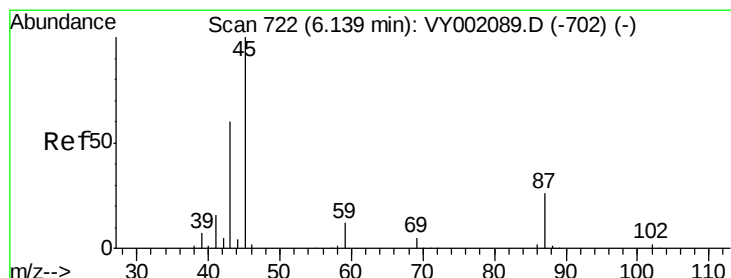
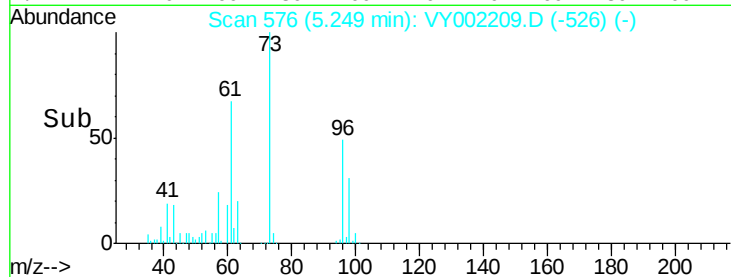
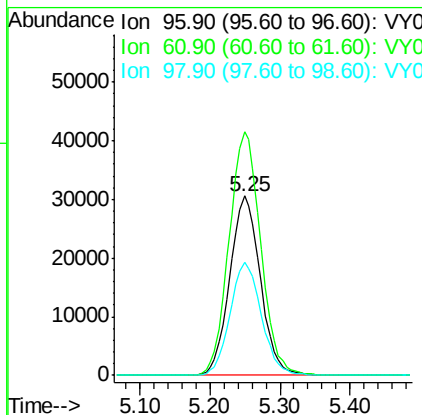
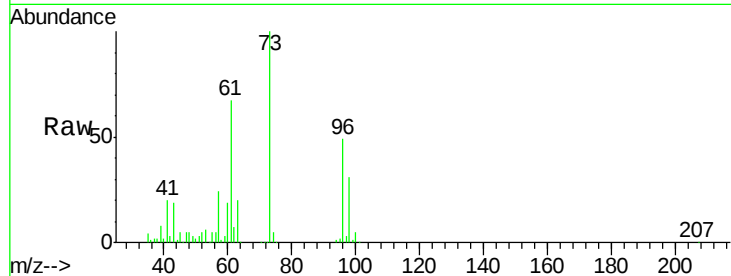
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	92985
Ion	Ratio	Lower	Upper
96	100		
61	136.0	107.7	161.5
98	63.2	50.5	75.7

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#22

Diisopropyl ether

Concen: 48.253 ug/l

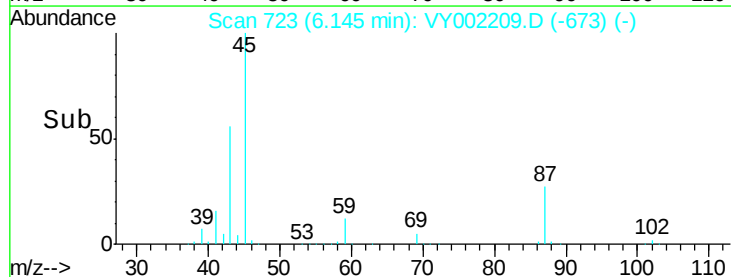
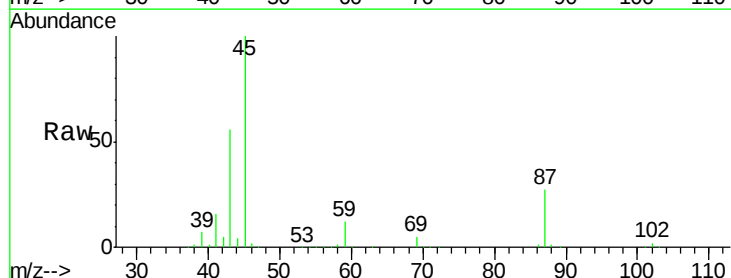
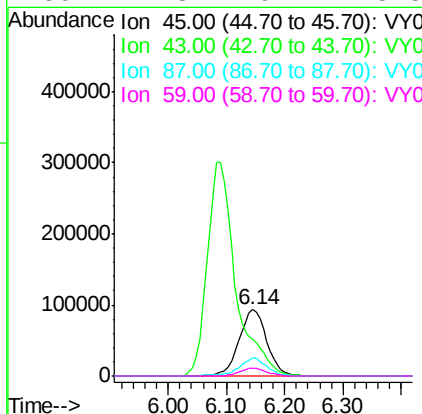
RT: 6.14 min Scan# 723

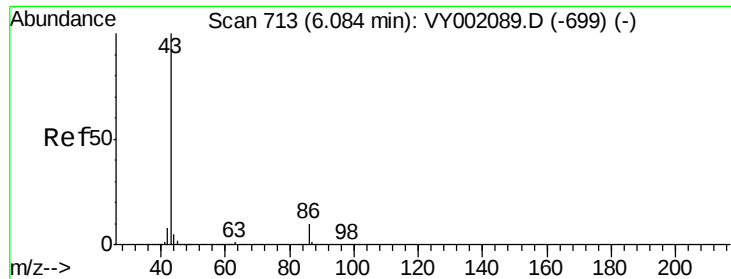
Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tgt Ion:	45	Resp:	310133
Ion	Ratio	Lower	Upper
45	100		
43	56.1	48.1	72.1
87	26.9	21.1	31.7
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 241.209 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tot Ion: 43 Resp: 1016602

Ion Ratio Lower Upper

43 100

86 10.4 7.9 11.9

Instrument :

MSVOA_Y

ClientSampleId :

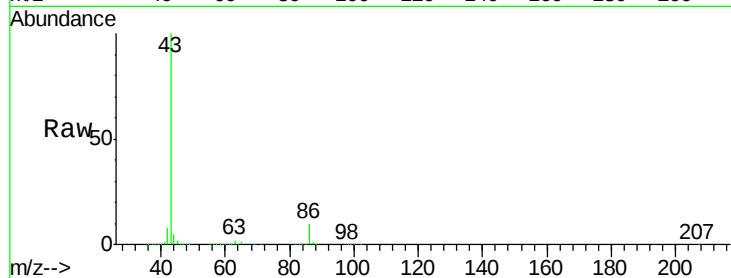
VSTDCCC050

Manual Integrations

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4/6/2020 11:30:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

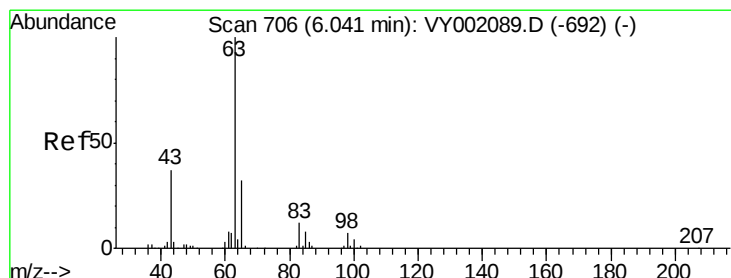
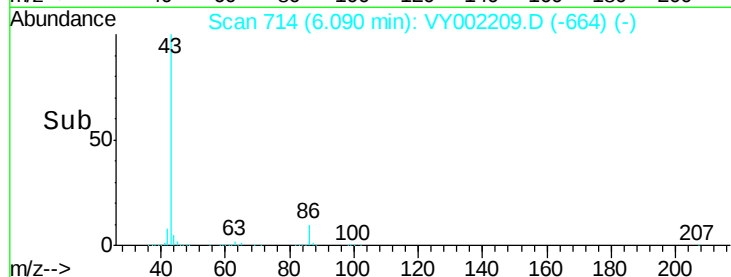
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.161 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

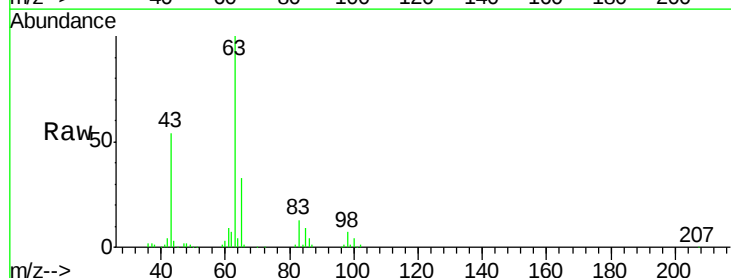
Tgt Ion: 63 Resp: 164584

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

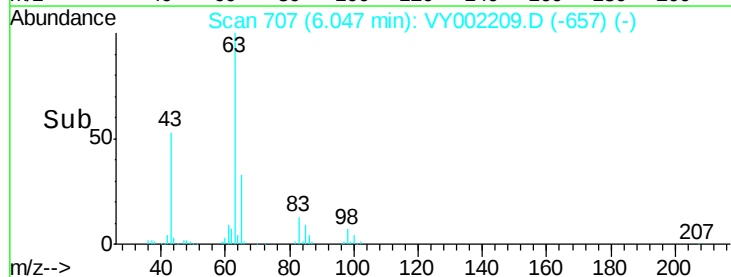
60000

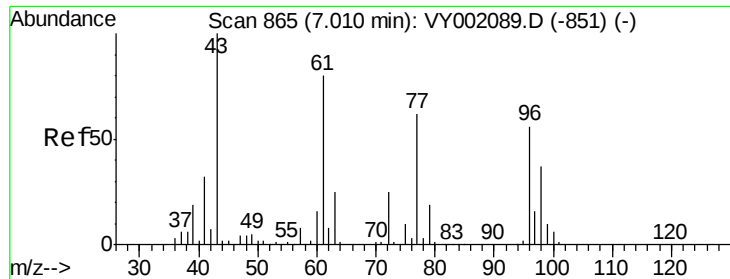
40000

20000

0

Time-->





#25

2-Butanone

Concen: 239.250 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 180396

Ion Ratio Lower Upper

43 100

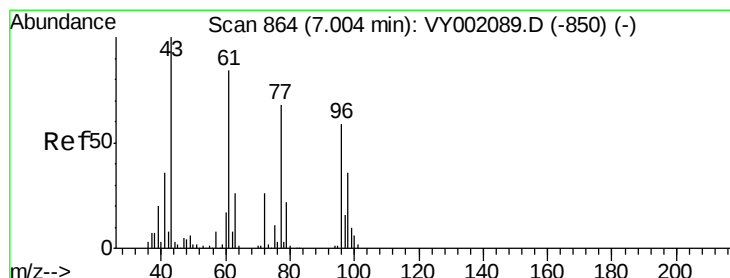
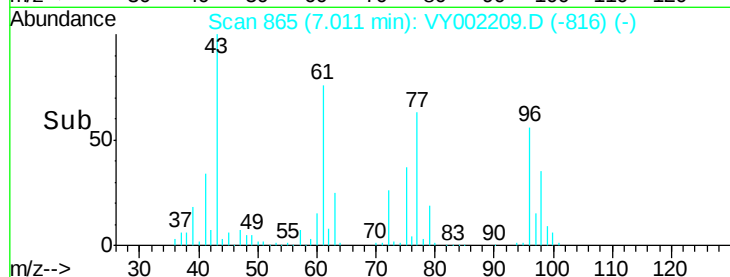
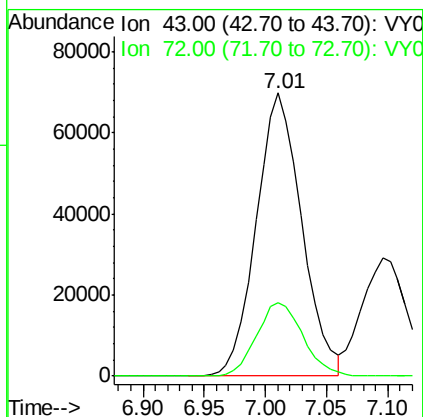
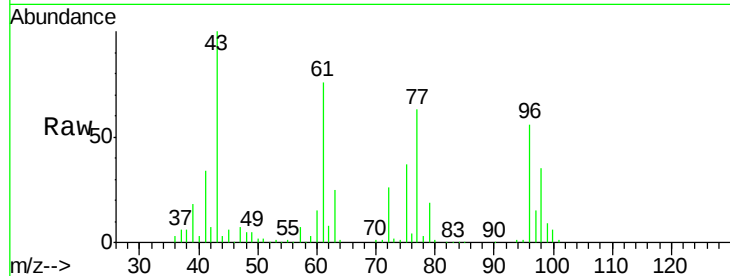
72 25.8 20.2 30.2

Manual Integrations

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MMDadoda

4/6/2020 11:30:22 AM



#26

2,2-Dichloropropane

Concen: 48.951 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002209.D

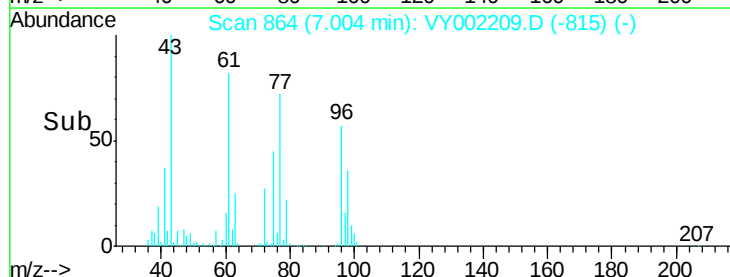
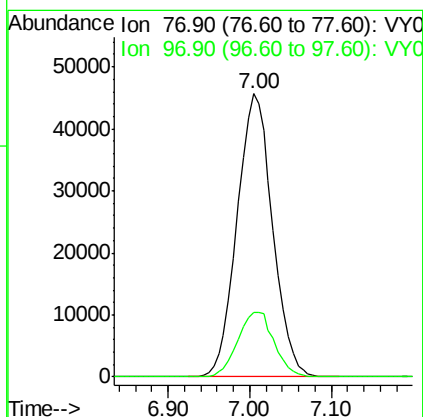
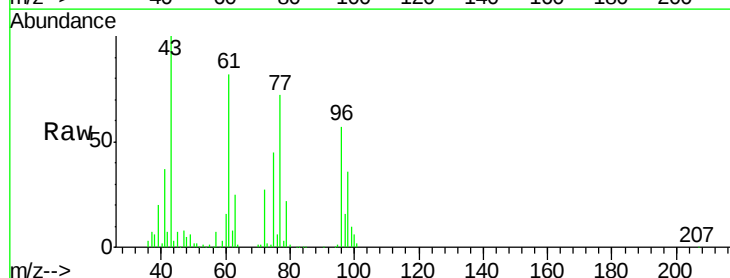
Acq: 03 Apr 2020 10:43

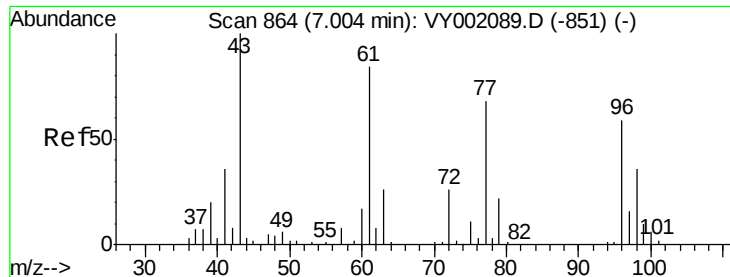
Tgt Ion: 77 Resp: 137773

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





#27

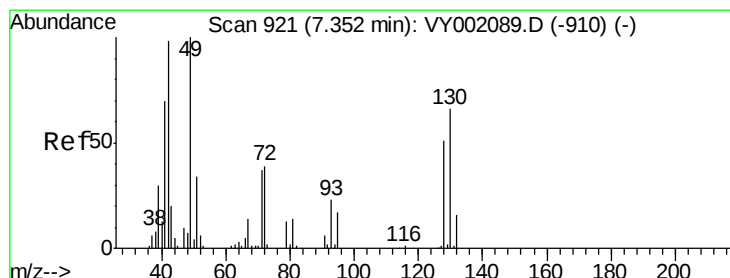
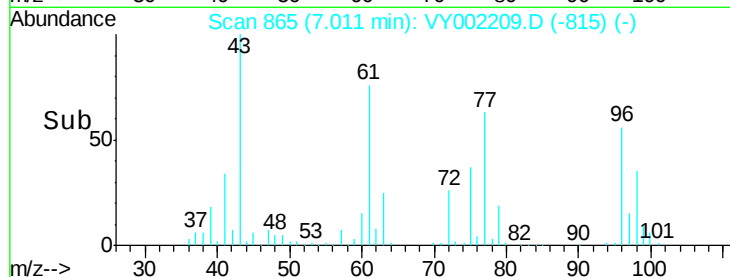
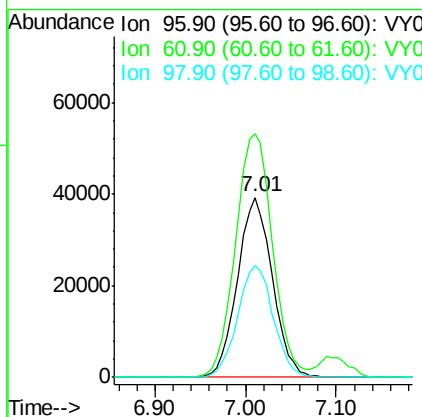
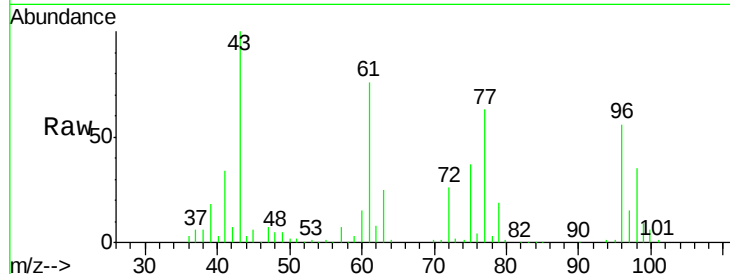
cis-1,2-Dichloroethene
Concen: 48.794 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	290.6	
98	63.3	0.0	128.0	

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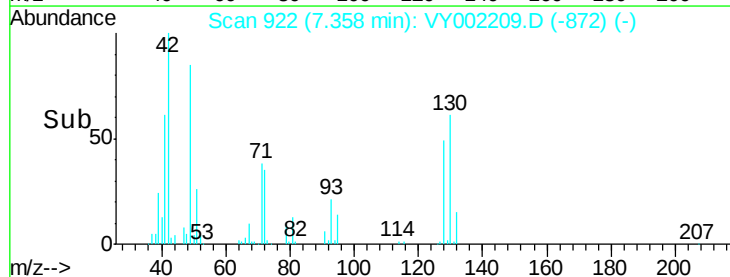
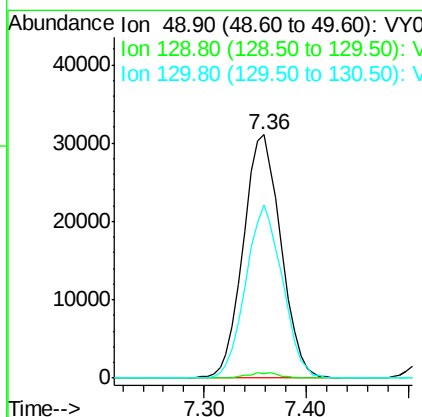
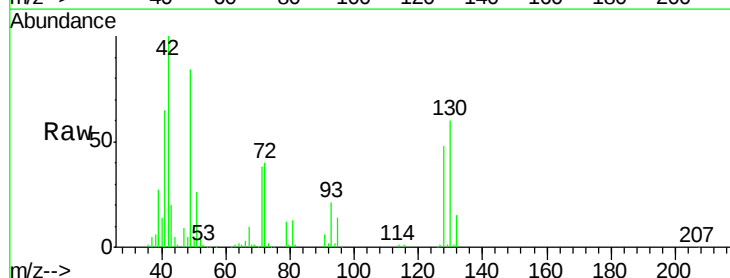
MMDadoda
4/6/2020 11:30:22 AM

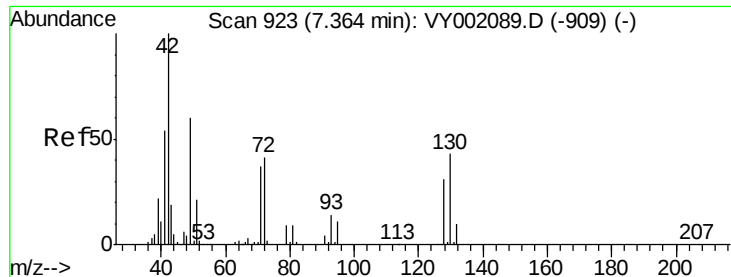


#28

Bromochloromethane
Concen: 51.151 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.4	
130	69.2	54.1	81.1	





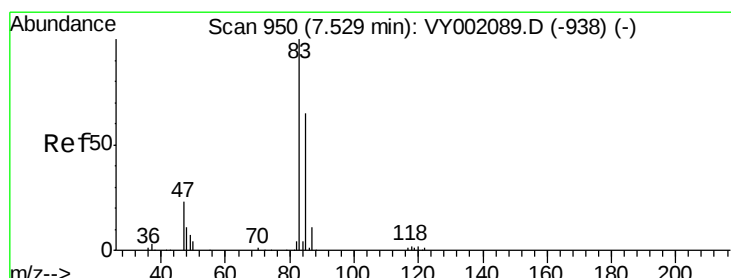
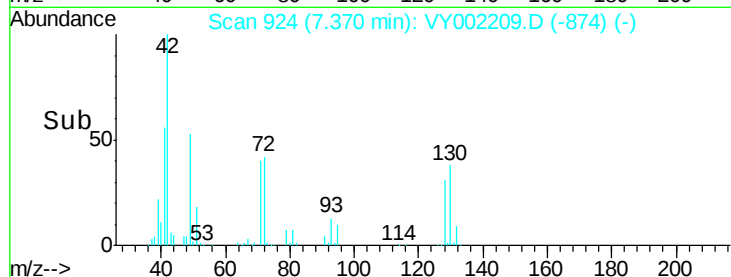
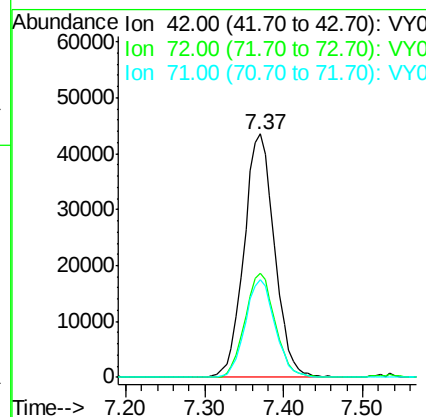
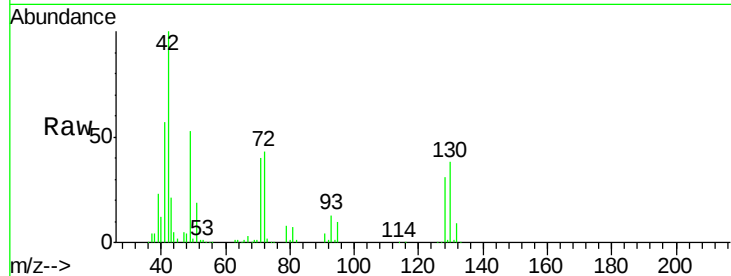
#29
Tetrahydrofuran
Concen: 236.941 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.0	49.4
71	39.0	31.2	46.8

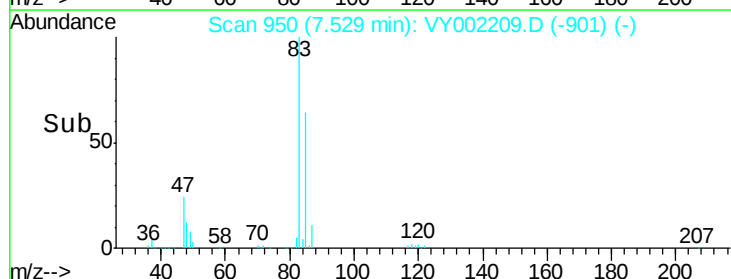
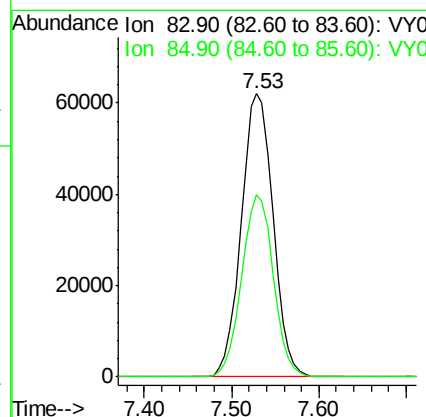
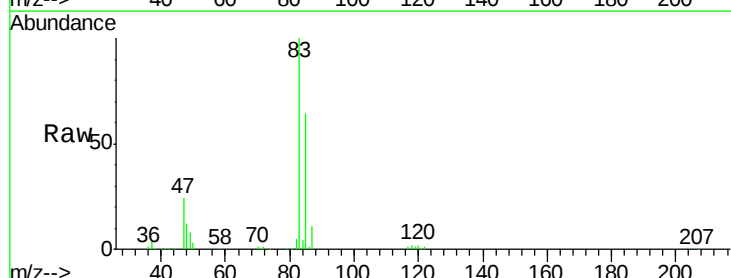
Manual Integrations
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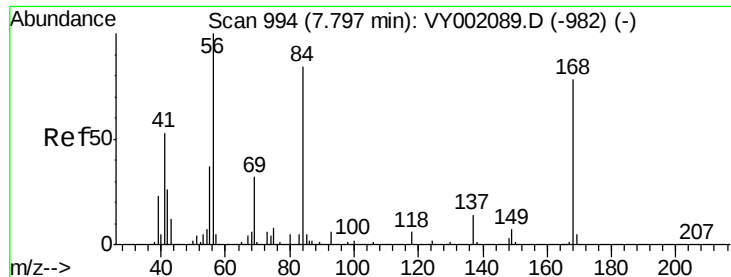
MMDadoda
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#30
Chloroform
Concen: 48.322 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





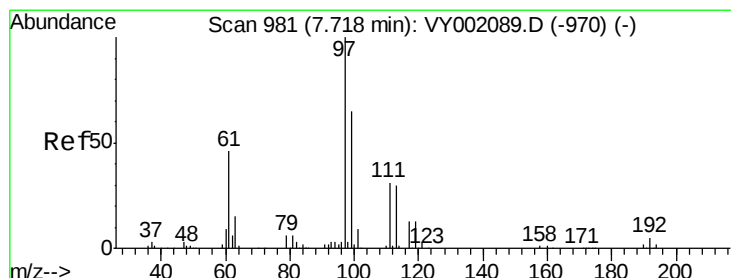
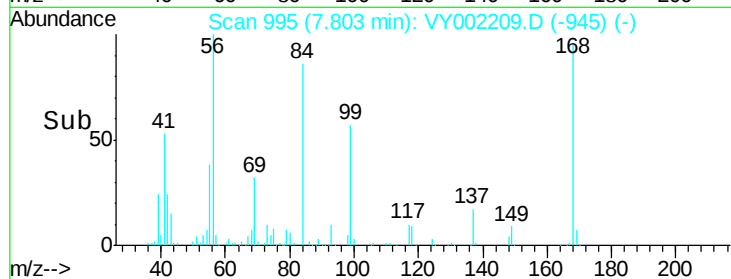
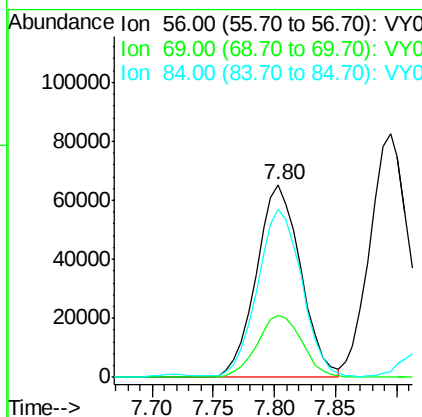
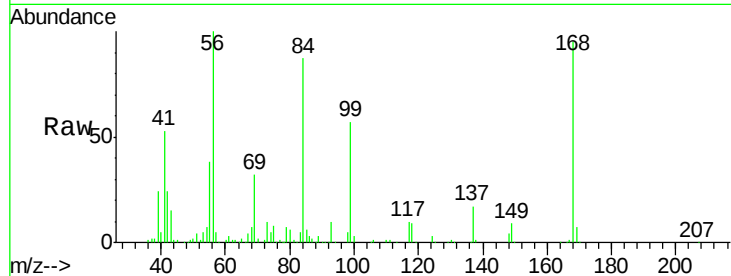
#31
Cyclohexane
Concen: 45.328 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	85.8	67.1	100.7

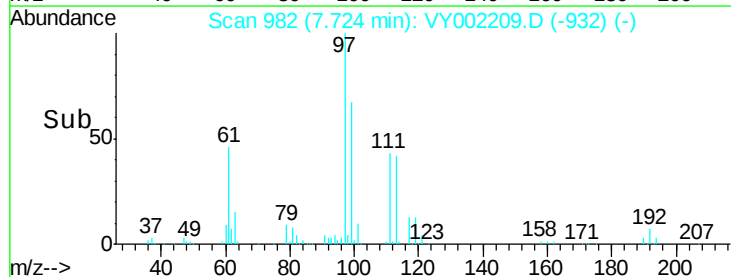
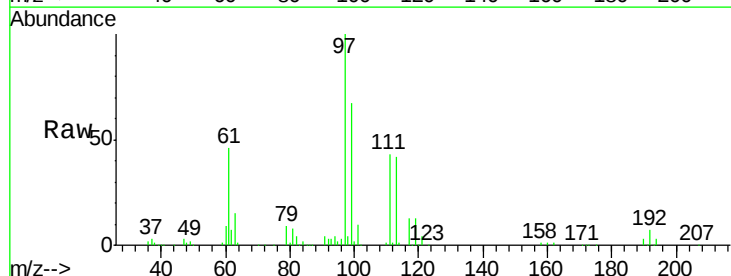
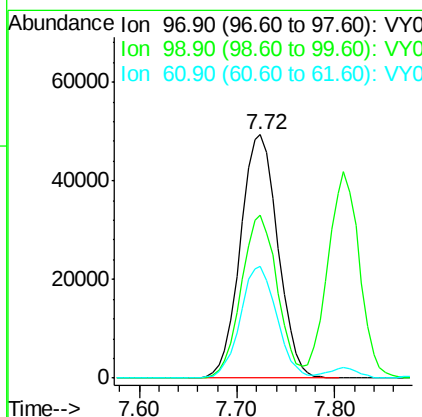
Manual Integrations
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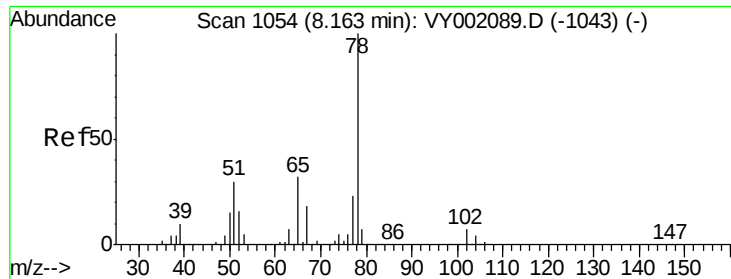
MMDadoda
4/6/2020 11:30:22 AM



#32
1,1,1-Trichloroethane
Concen: 48.496 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	44.8	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 47.514 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 83046

Ion Ratio Lower Upper

65 100

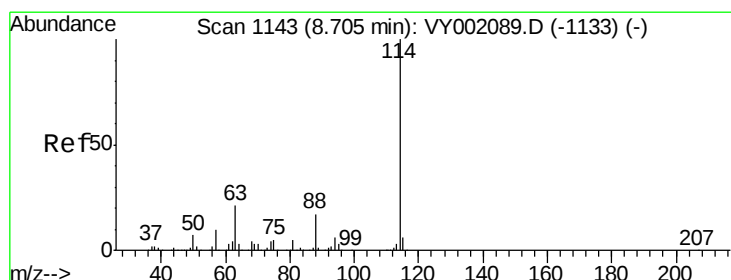
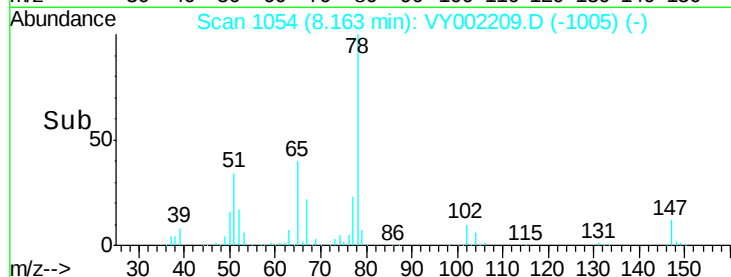
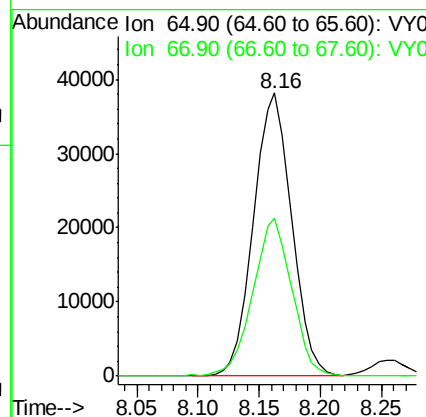
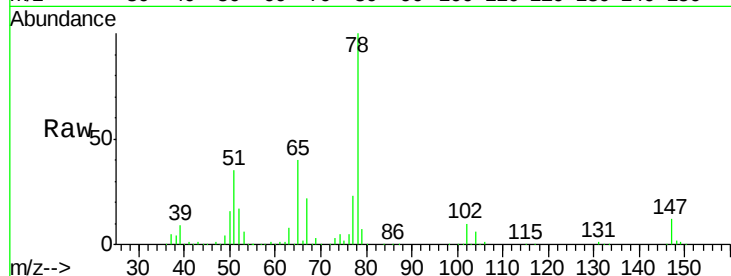
67 56.8 0.0 112.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

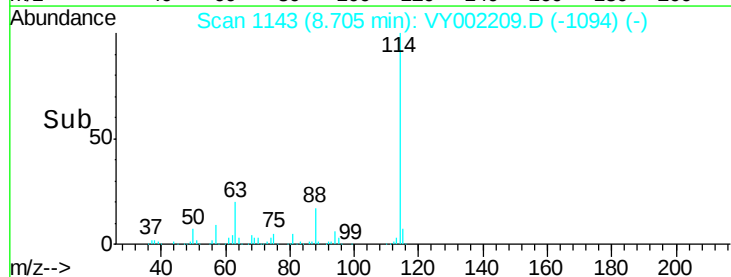
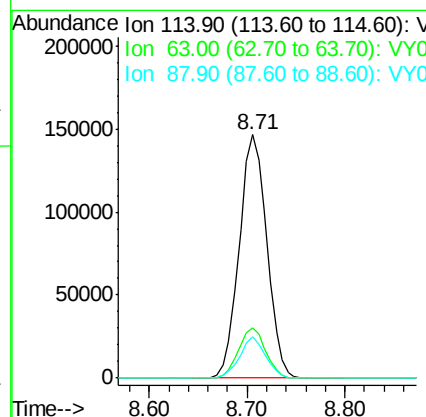
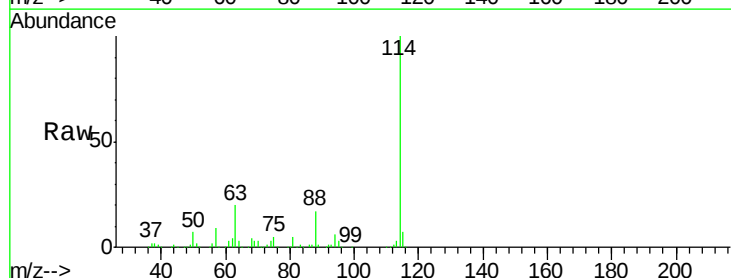
Tgt Ion: 114 Resp: 287033

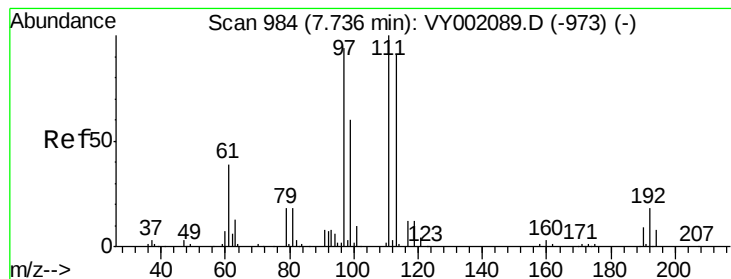
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.647 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 78238

Ion Ratio Lower Upper

113 100

111 104.1 84.4 126.6

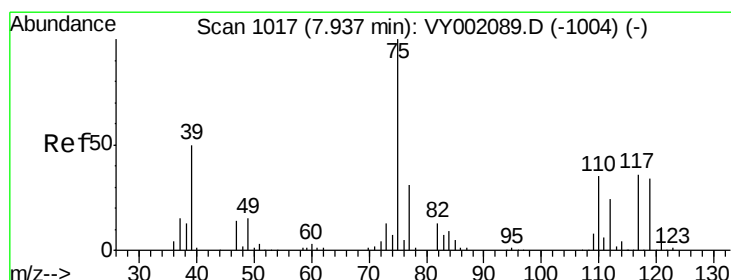
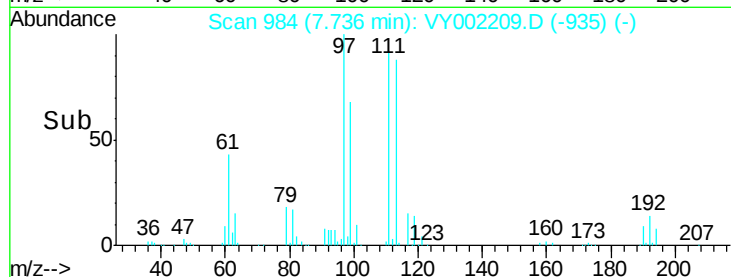
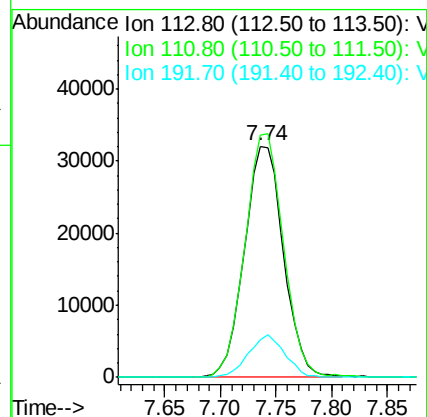
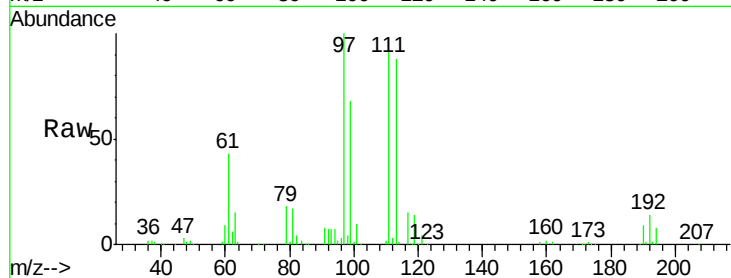
192 17.3 14.6 21.8

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 47.704 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

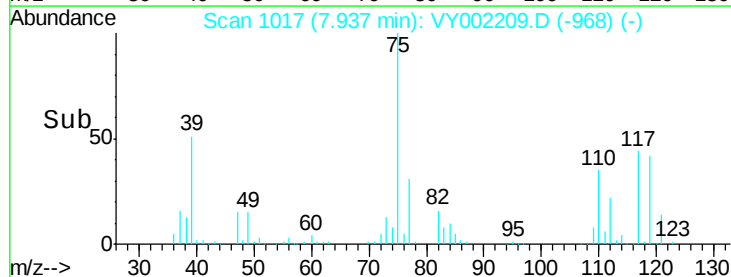
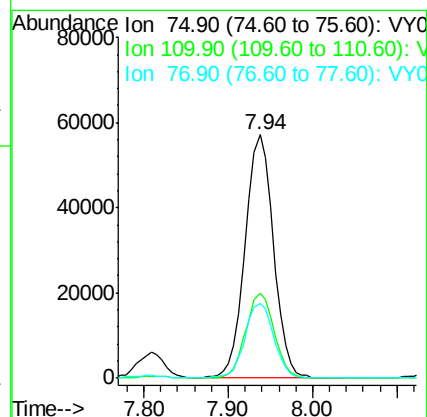
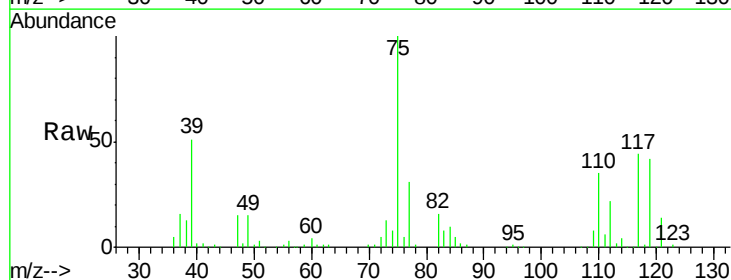
Tgt Ion: 75 Resp: 129512

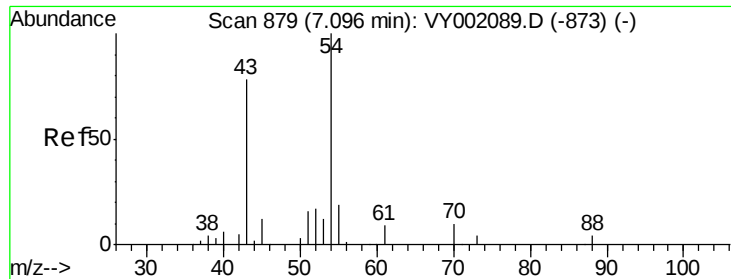
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.6

77 31.3 24.7 37.1





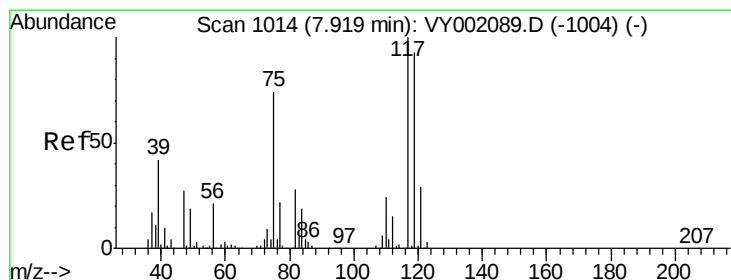
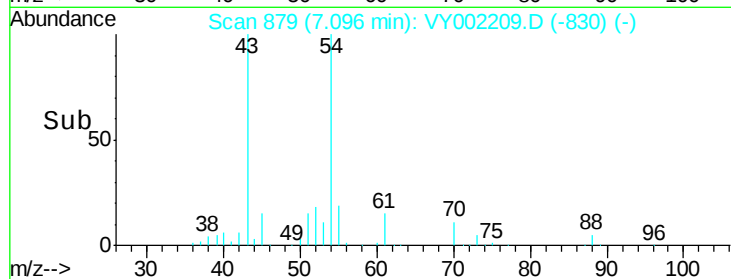
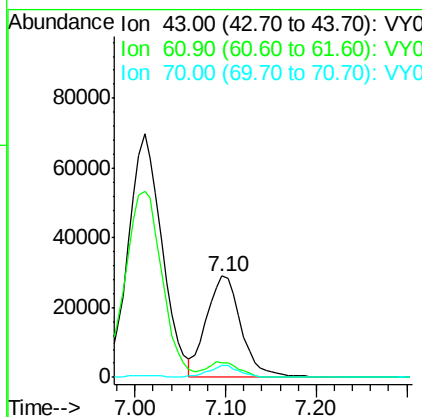
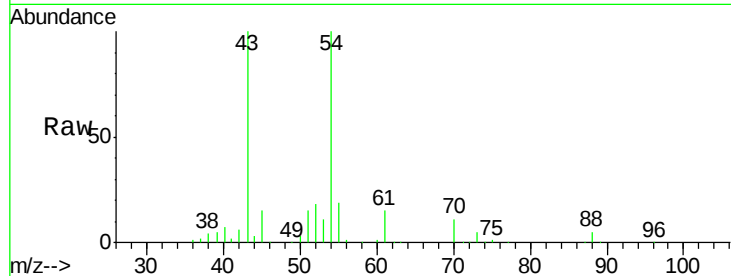
#37
Ethyl Acetate
Concen: 47.128 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.4	8.2	12.4

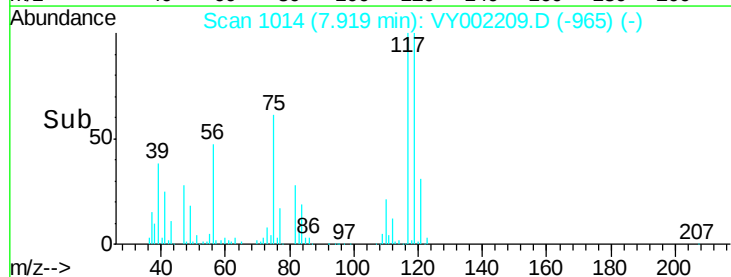
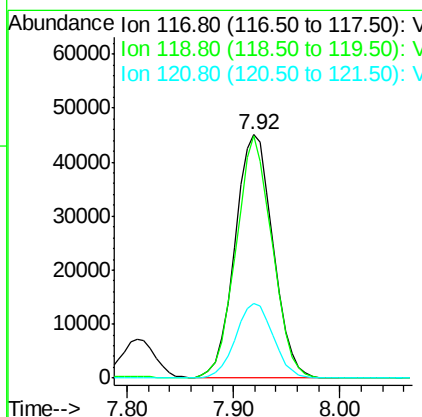
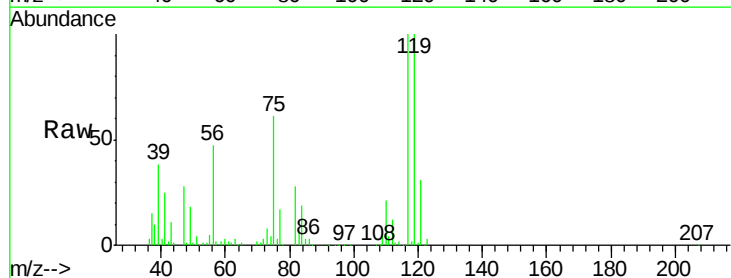
Manual Integrations
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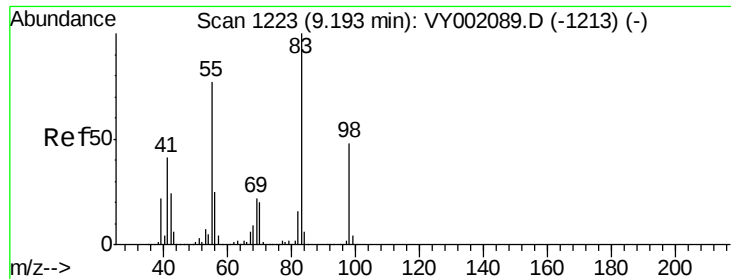
MMDadoda
4/6/2020 11:30:22 AM



#38
Carbon Tetrachloride
Concen: 49.098 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	74.3	111.5
121	30.8	23.3	34.9





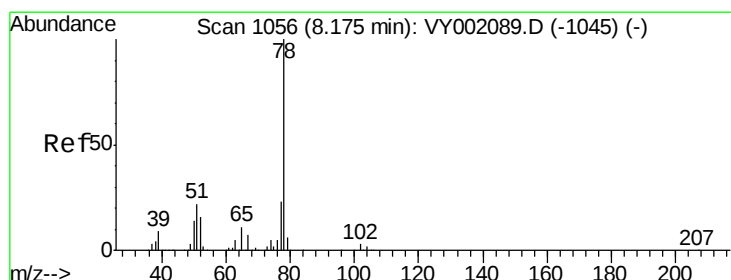
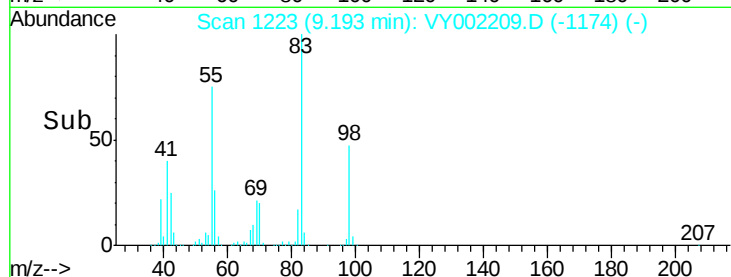
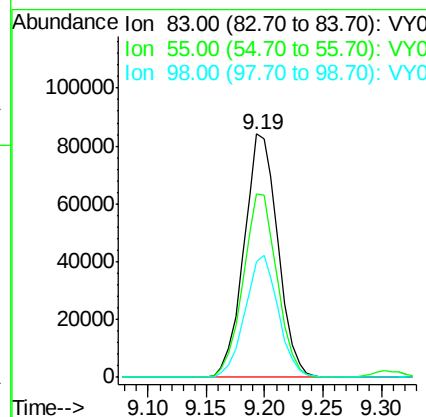
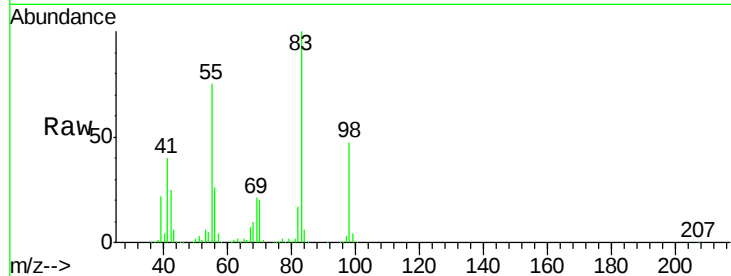
#39
Methvlcvclohexane
Concen: 47.855 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.2	91.8
98	47.3	38.2	57.2

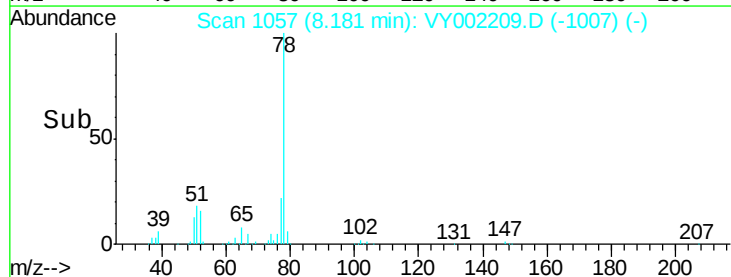
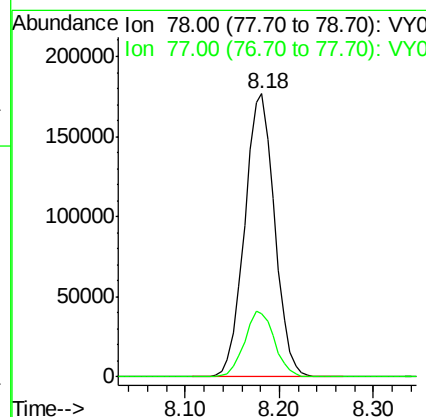
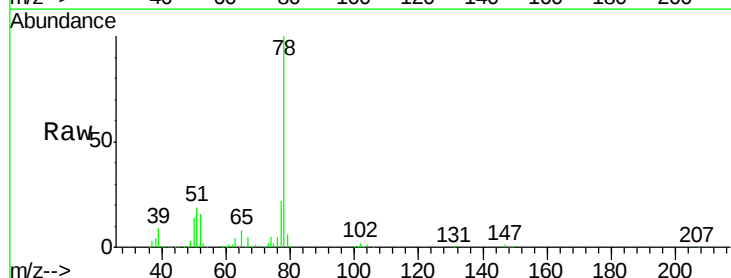
Manual Integrations
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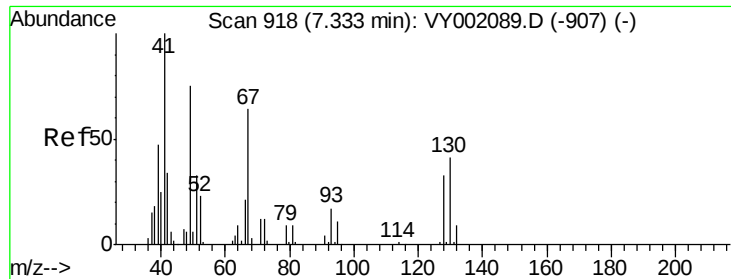
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#40
Benzene
Concen: 48.821 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.2	27.4





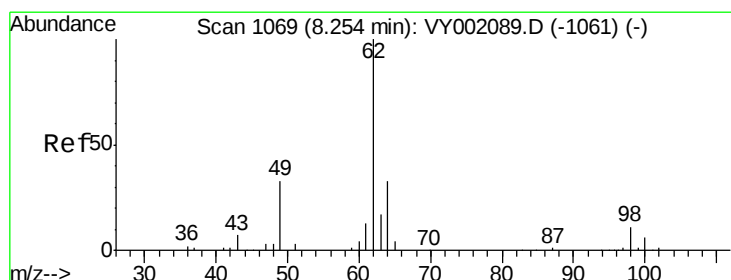
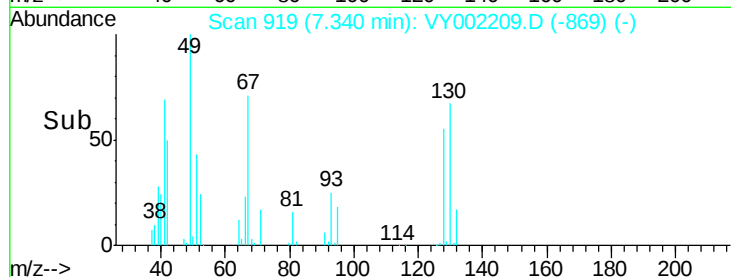
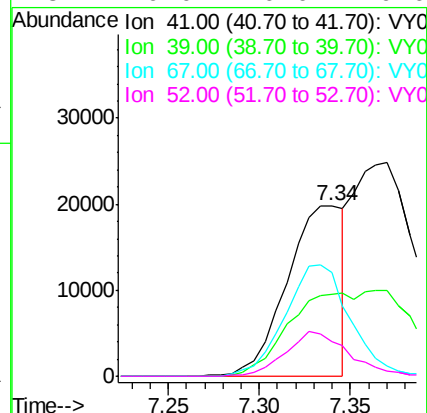
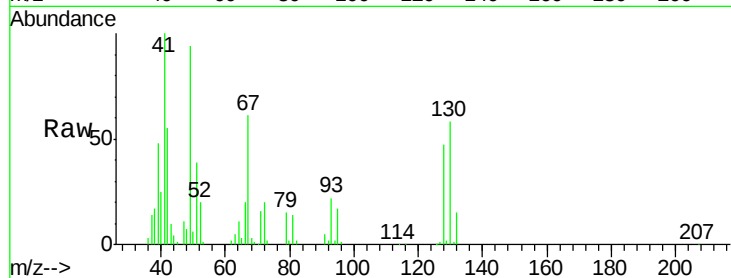
#41
Methacrylonitrile
Concen: 52.428 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	43509
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

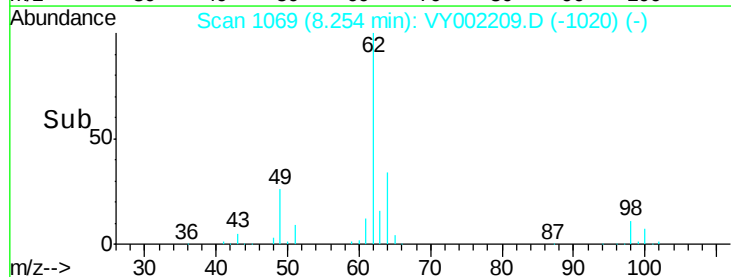
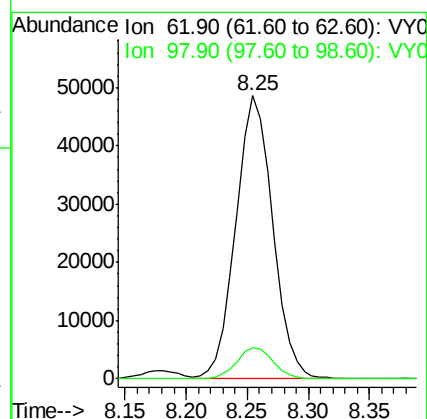
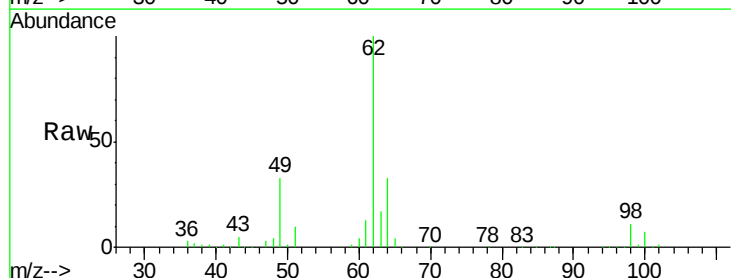
Manual Integrations
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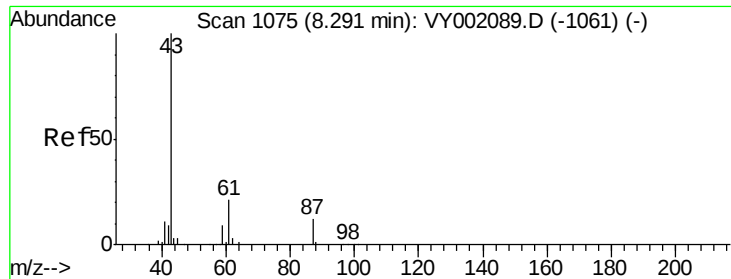
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.703 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	62	Resp:	101849
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.2





#43

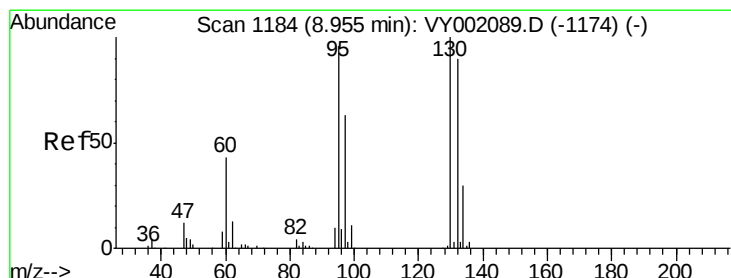
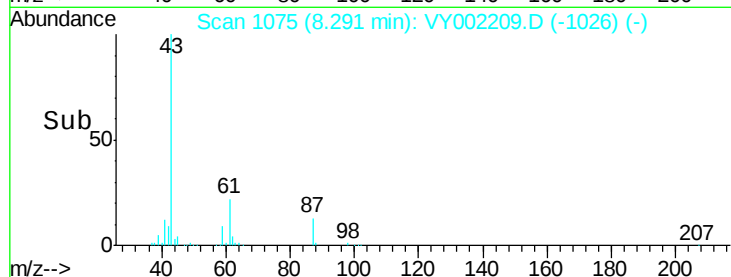
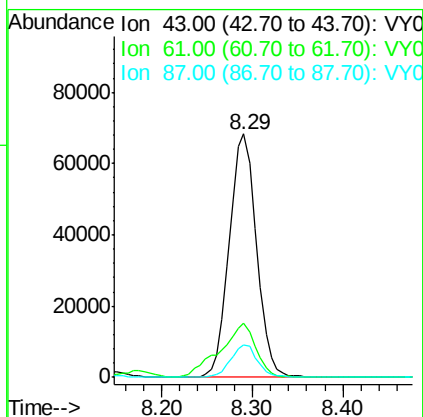
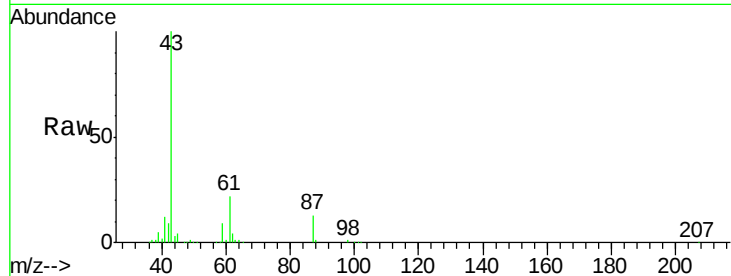
Isopropyl Acetate
 Concen: 47.087 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.4	35.2
87	13.1	10.2	15.4

Manual Integrations
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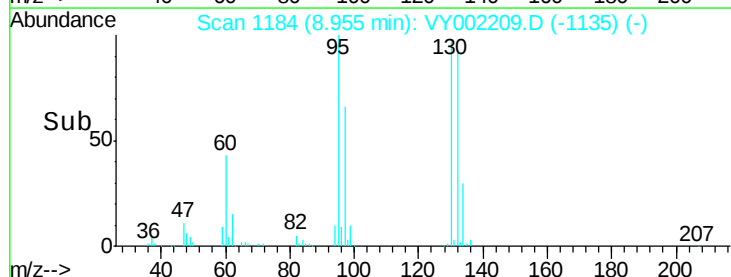
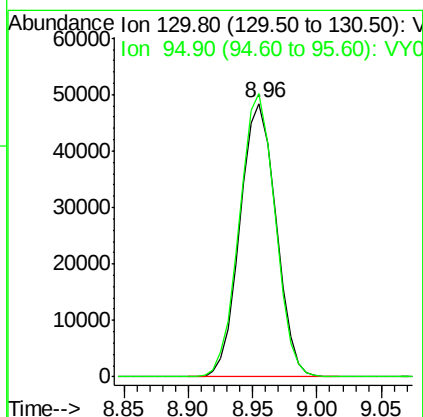
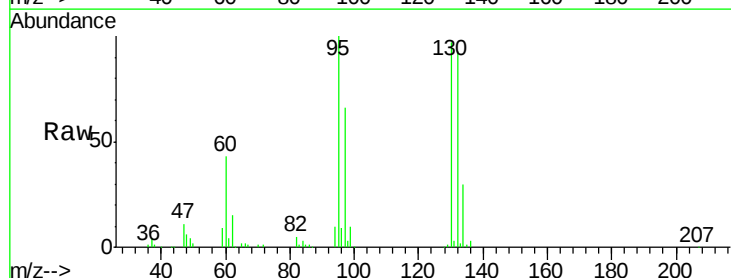
MMDadoda
 4/6/2020 11:30:22 AM

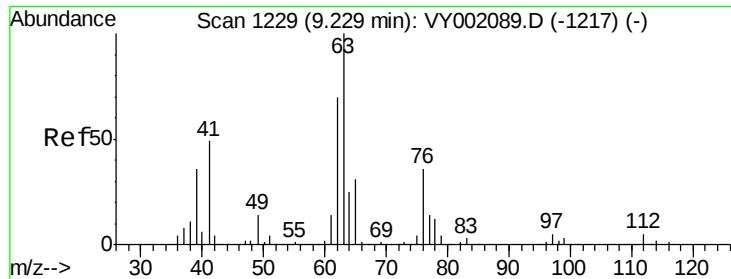


#44

Trichloroethene
 Concen: 48.480 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	193.0





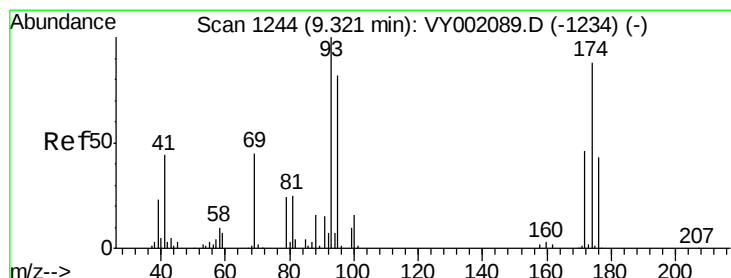
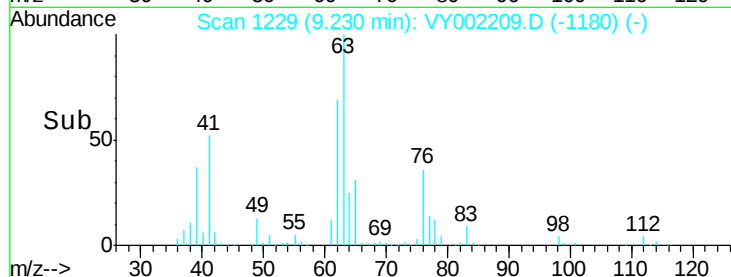
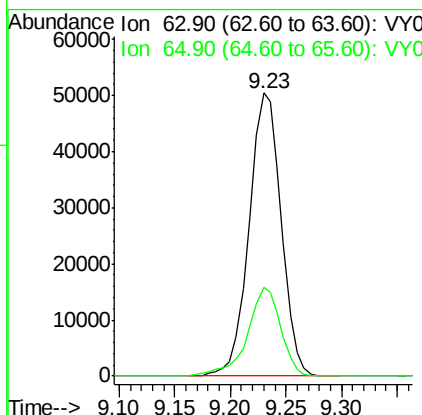
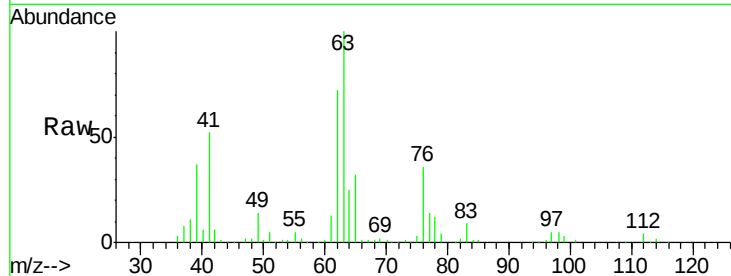
#45
 1,2-Dichloropropane
 Concen: 49.418 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	101191
Ion Ratio	Lower	Upper	
63	100		
65	31.5	25.0	37.6

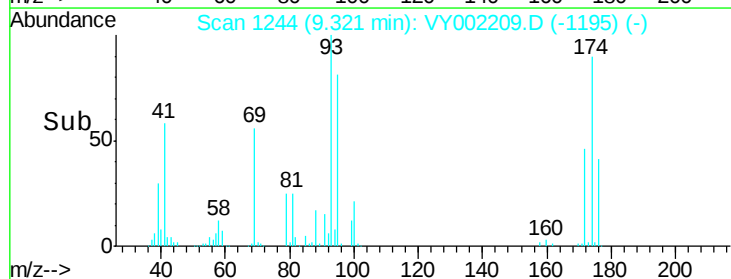
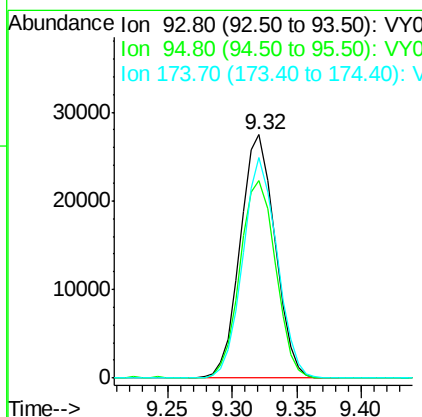
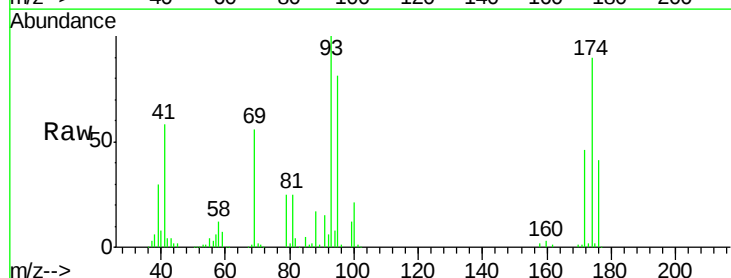
Manual Integrations
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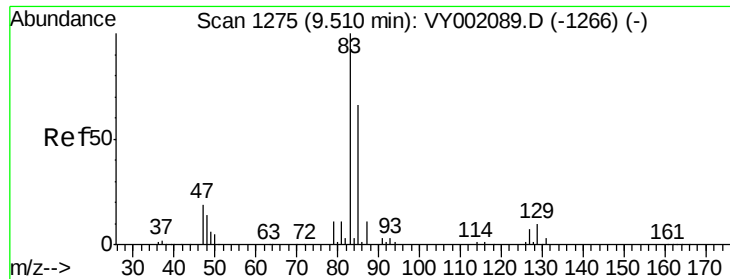
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#46
 Dibromomethane
 Concen: 48.937 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	93	Resp	51462
Ion Ratio	Lower	Upper	
93	100		
95	83.0	66.0	99.0
174	88.4	69.8	104.8





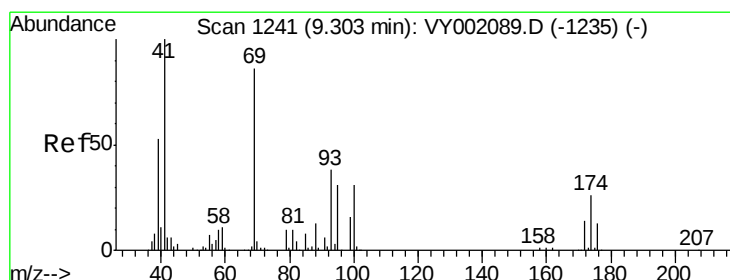
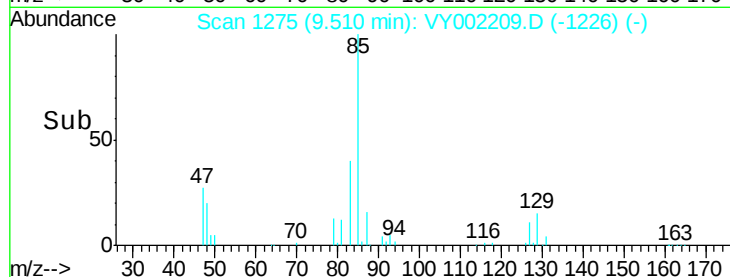
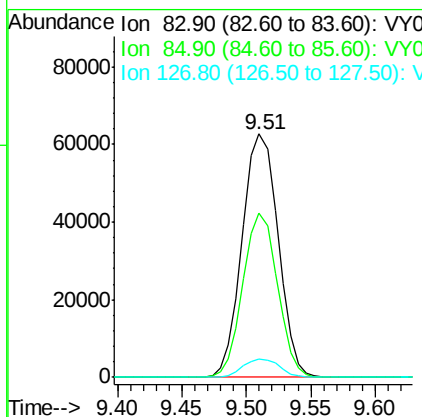
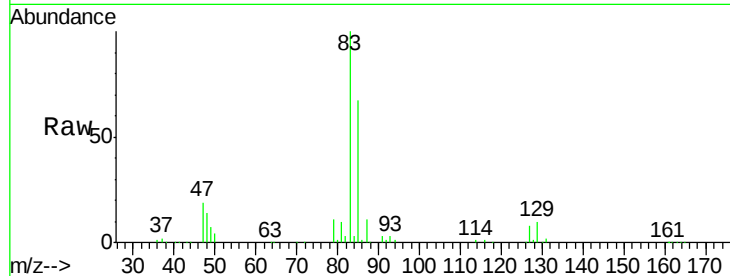
#47
Bromodichloromethane
Concen: 49.769 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	121837
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	52.6	79.0
127	7.6	5.9	8.9

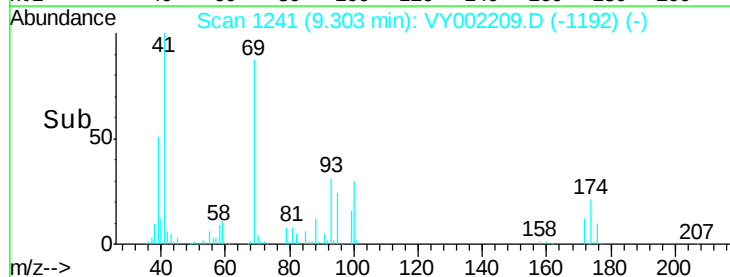
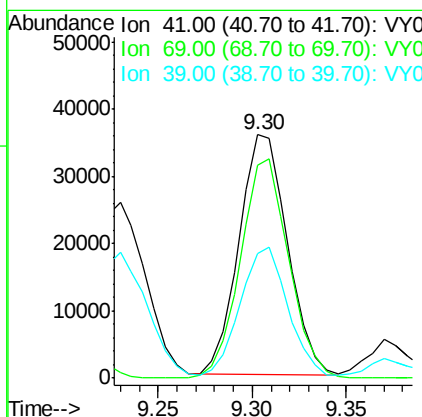
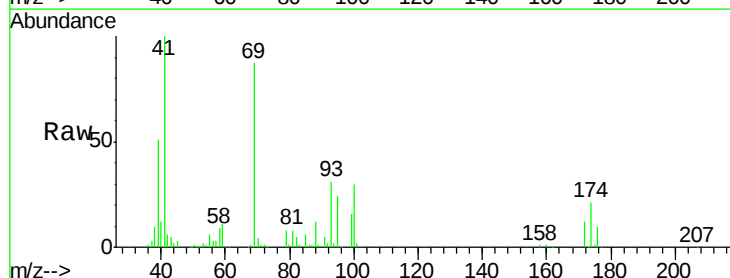
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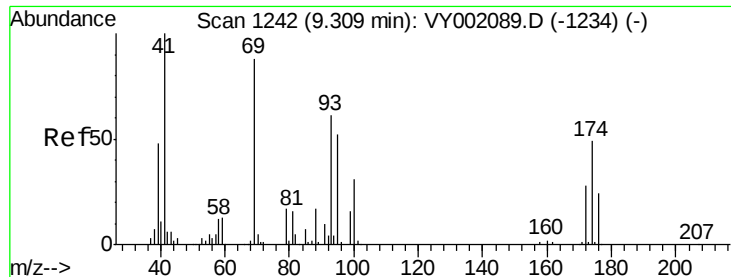
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#48
Methyl methacrylate
Concen: 46.714 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	41	Resp	63746
Ion Ratio	100	Lower	Upper
41	100		
69	91.2	71.4	107.0
39	54.5	41.0	61.4





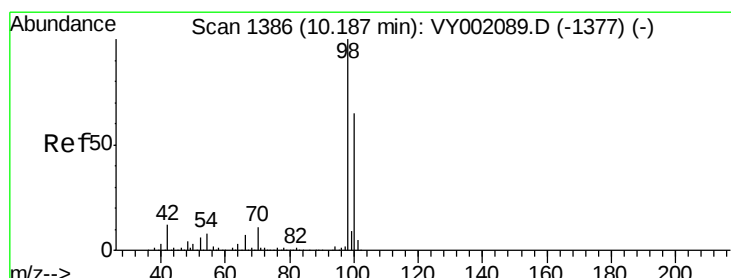
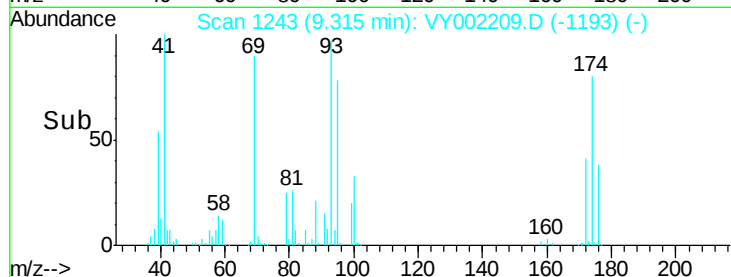
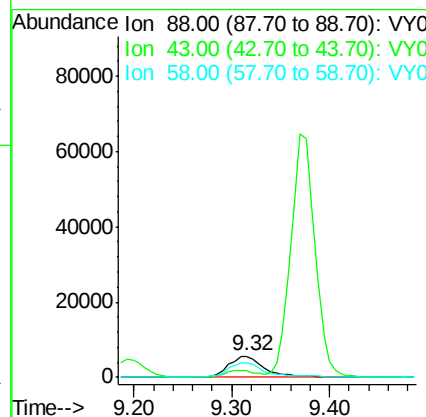
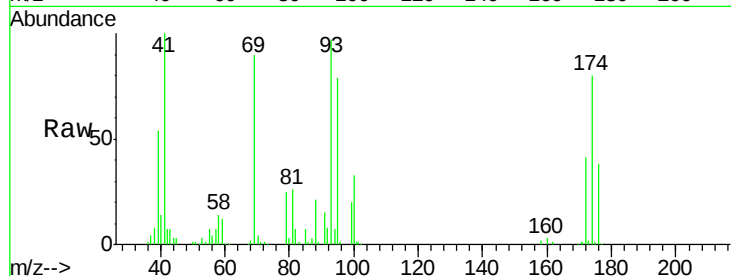
#49
1,4-Dioxane
Concen: 973.290 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	27.2	40.8#
58	68.2	59.8	89.8

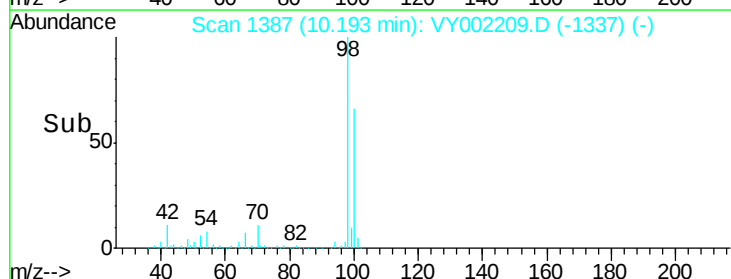
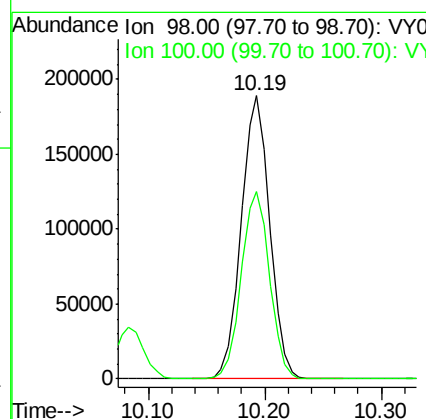
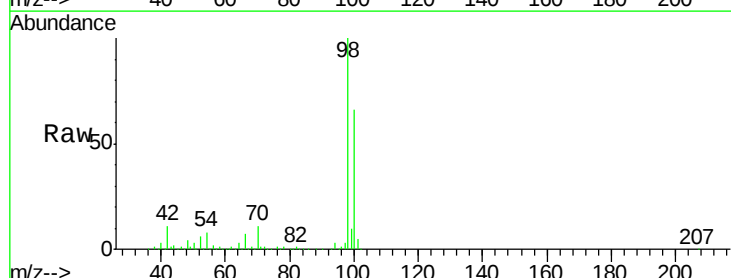
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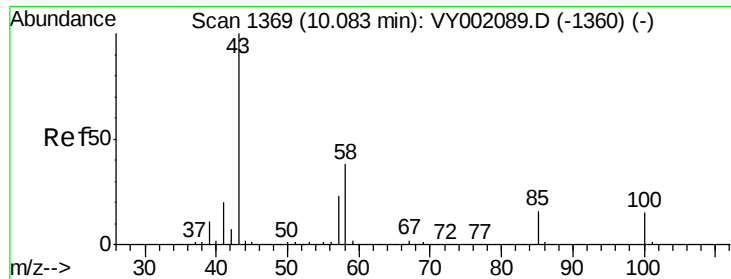
MMDadoda
4/6/2020 11:30:22 AM



#50
Toluene-d8
Concen: 48.153 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





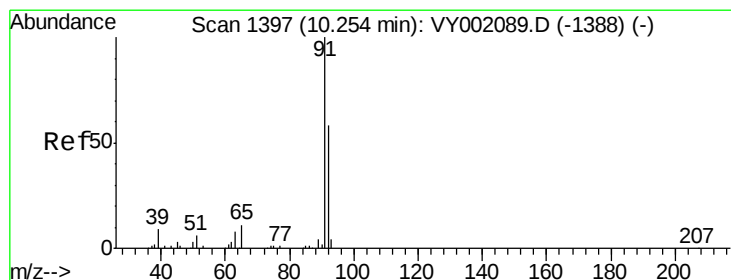
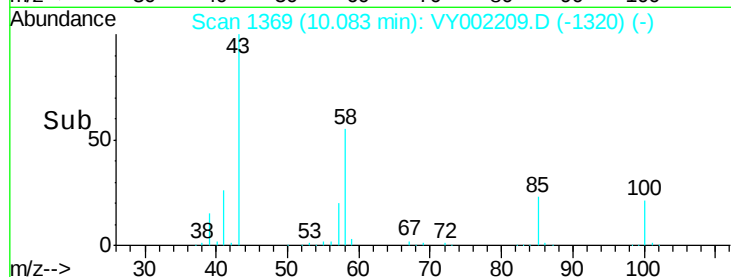
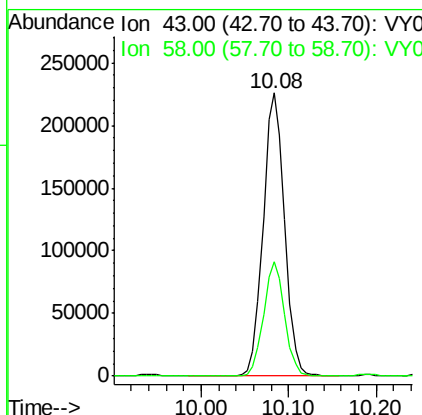
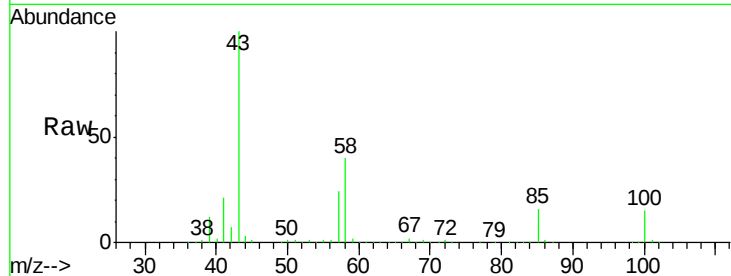
#51
4-Methyl-2-Pentanone
Concen: 245.374 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
384742	100	39.8		31.6	47.4

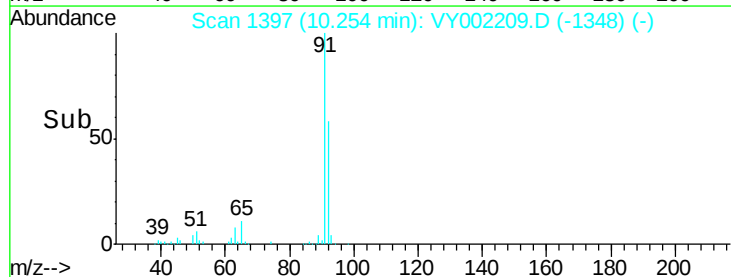
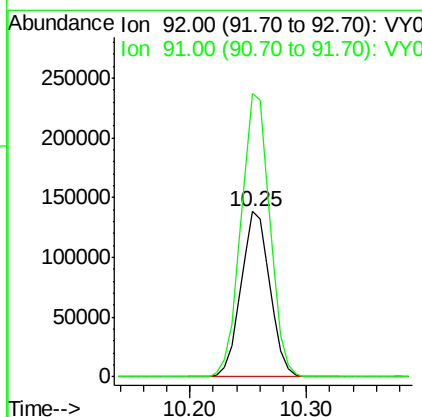
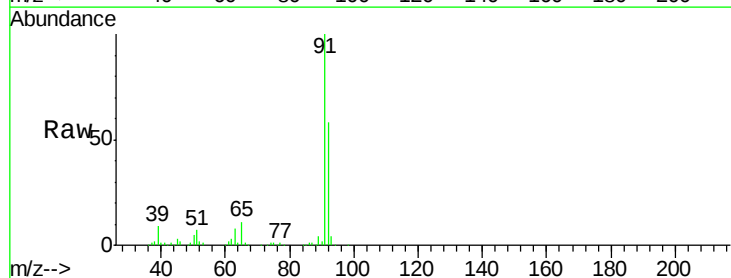
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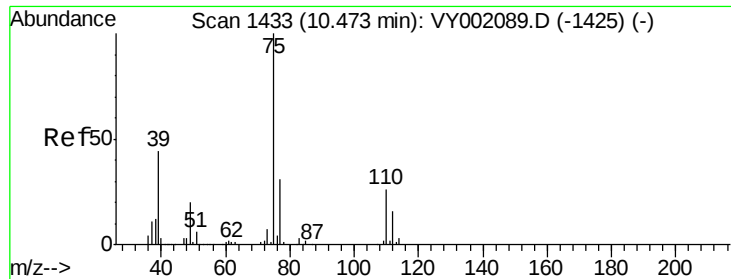
MMDadoda
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#52
Toluene
Concen: 49.141 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	92	91	Ratio	Lower	Upper
239022	100	171.2		139.3	208.9





#53

t-1,3-Dichloropropene

Concen: 49.251 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 133823

Ion Ratio Lower Upper

75 100

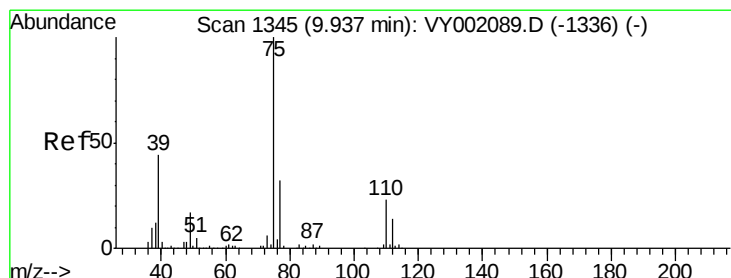
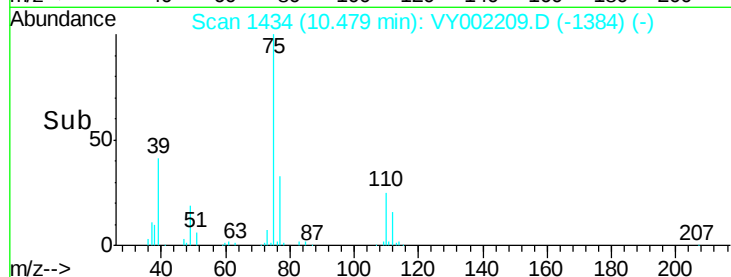
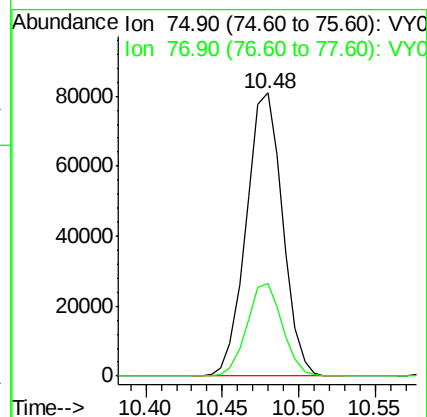
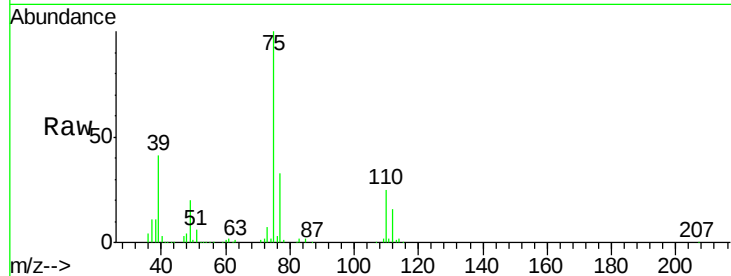
77 32.7 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.331 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

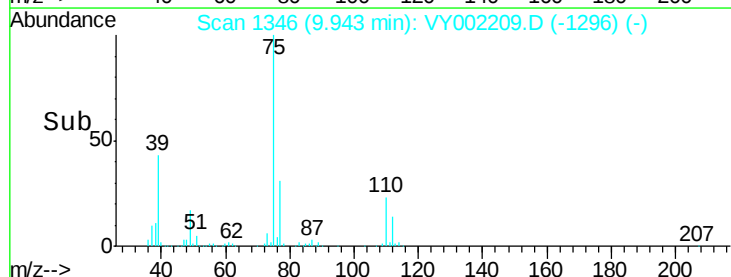
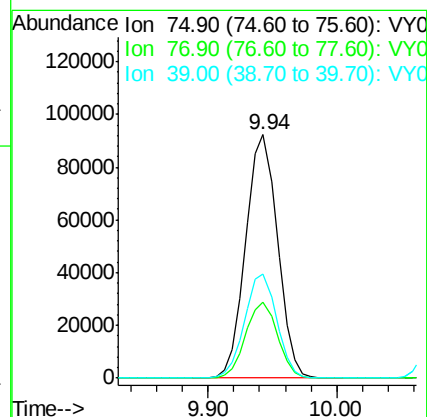
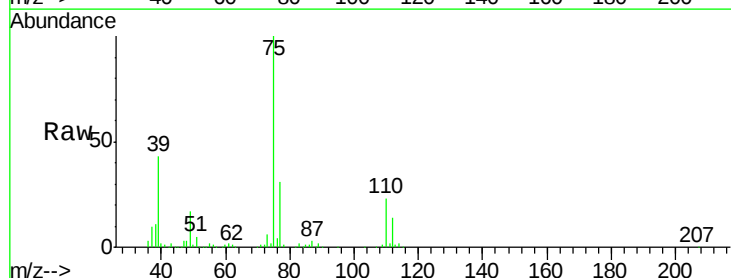
Tgt Ion: 75 Resp: 157814

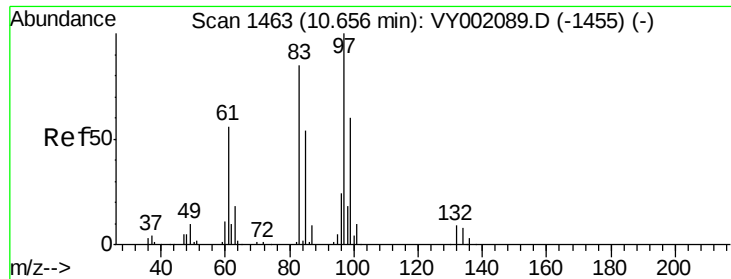
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 42.7 35.2 52.8





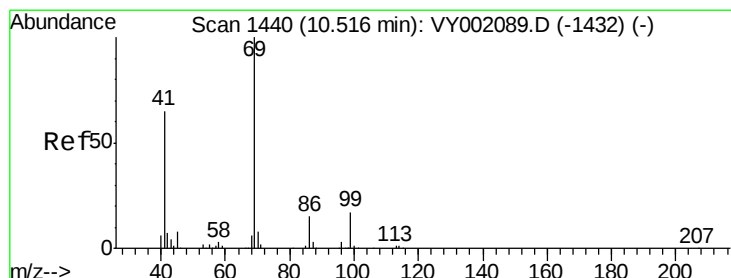
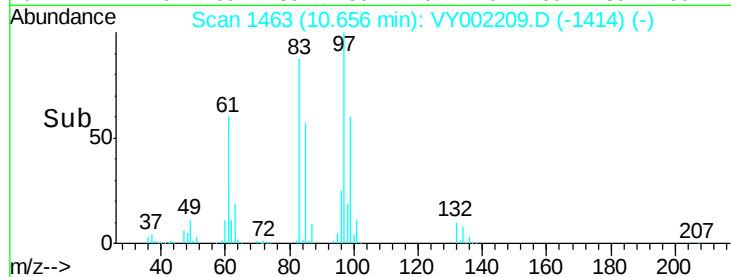
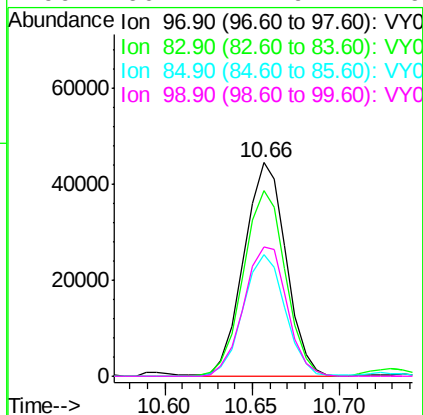
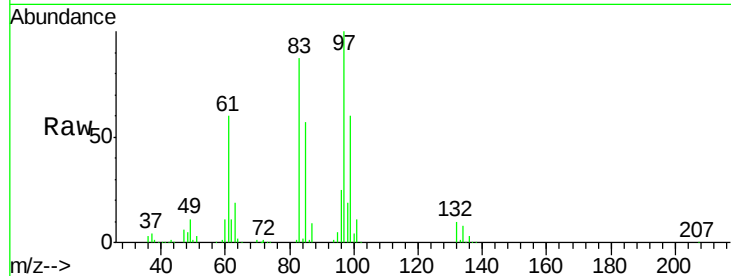
#55
 1,1,2-Trichloroethane
 Concen: 47.949 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	74627
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.2	102.2
85	57.1	42.9	64.3
99	60.4	47.9	71.9

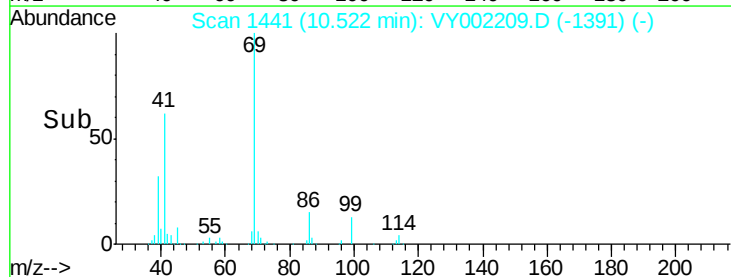
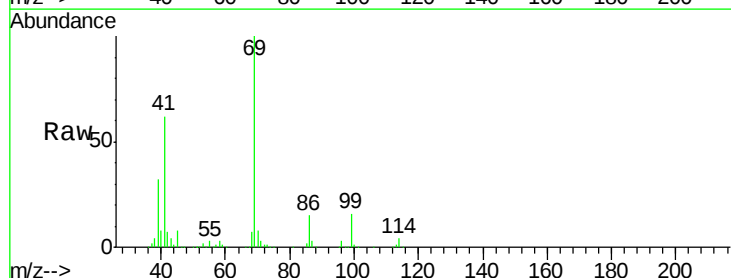
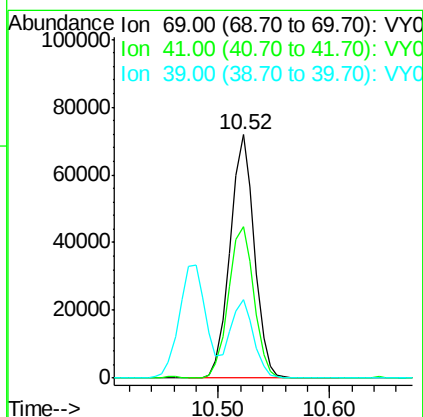
Manual Integrations
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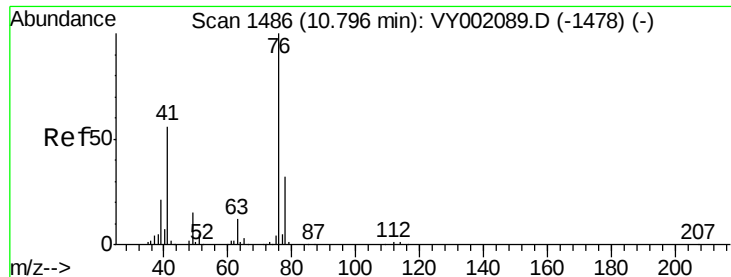
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#56
 Ethyl methacrylate
 Concen: 47.676 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion:	69	Resp:	108380
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.8	79.2
39	32.1	25.0	37.6





#57

1,3-Dichloropropane

Concen: 48.565 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 133546

Ion Ratio Lower Upper

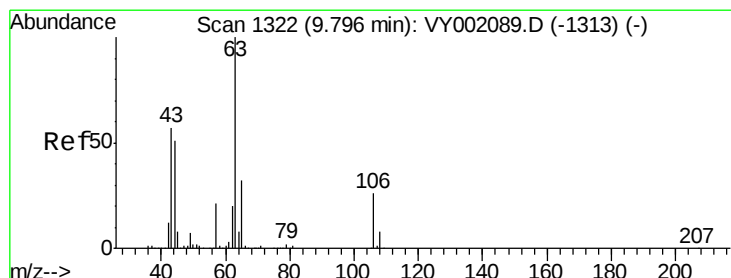
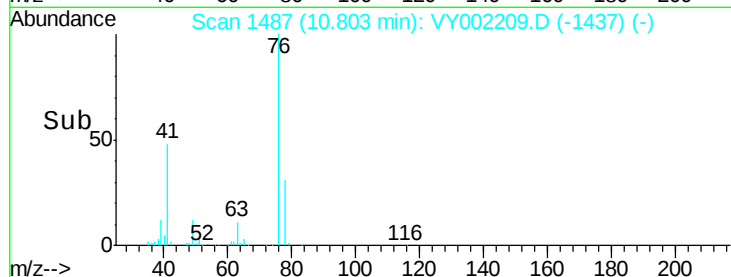
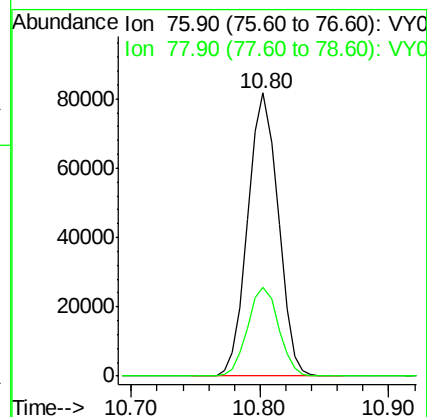
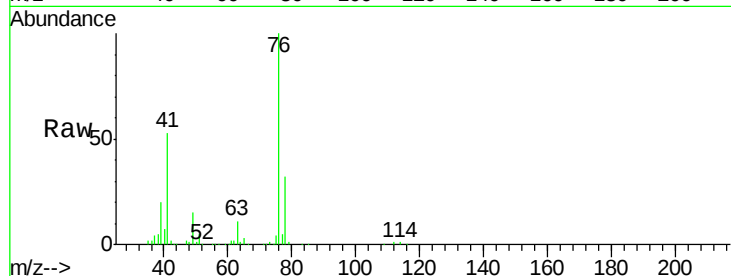
76 100

78 31.9 26.1 39.1

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 235.399 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002209.D

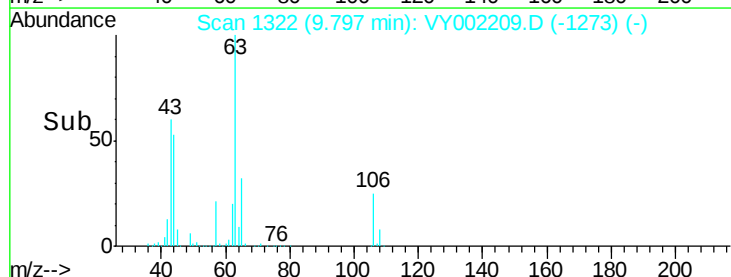
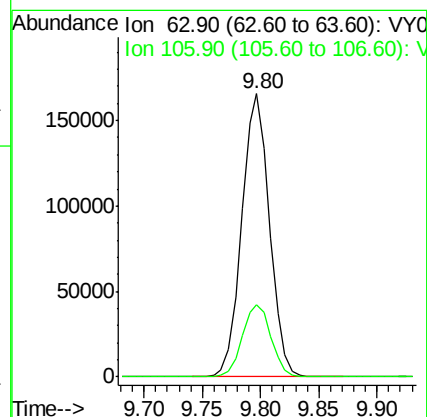
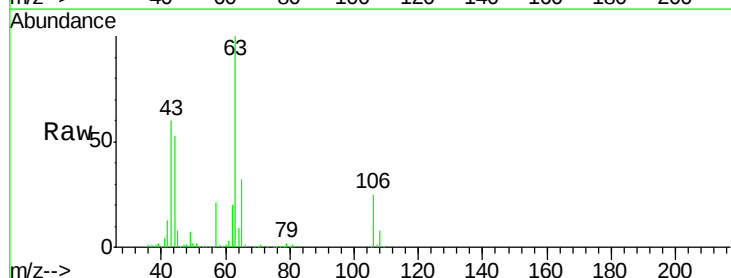
Acq: 03 Apr 2020 10:43

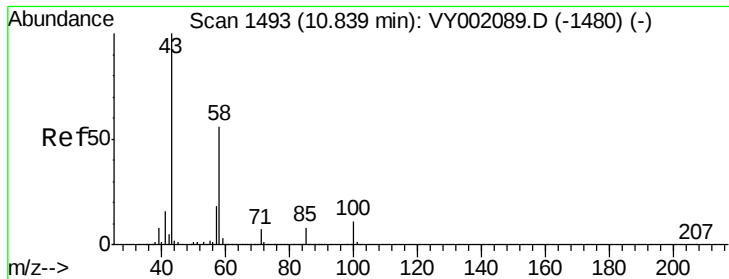
Tgt Ion: 63 Resp: 274966

Ion Ratio Lower Upper

63 100

106 26.1 21.0 31.4





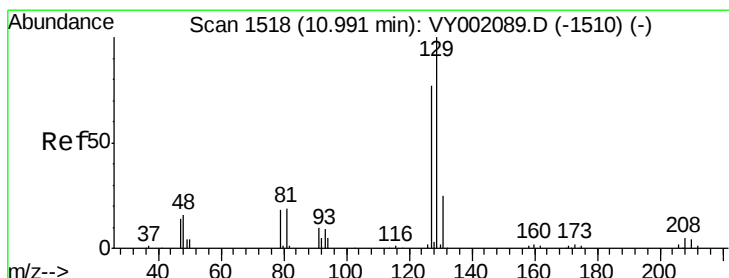
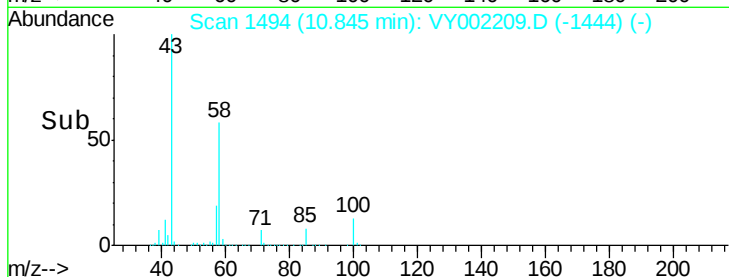
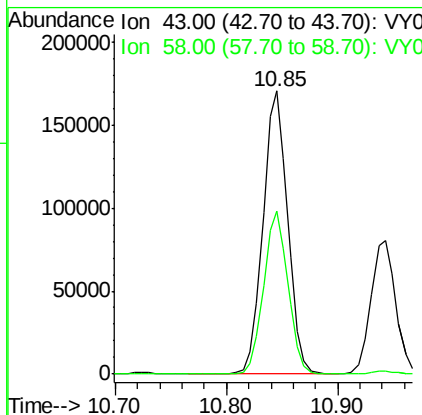
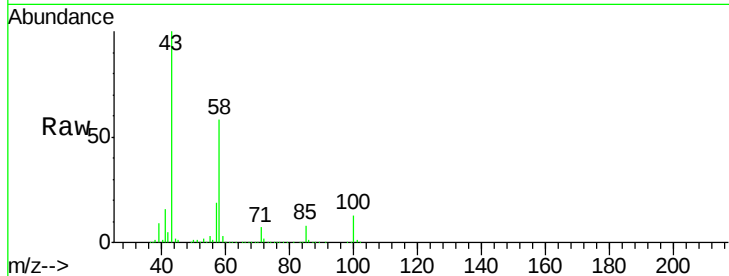
#59
2-Hexanone
Concen: 239.098 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 264087
Ion Ratio Lower Upper
43 100
58 56.9 27.9 83.6

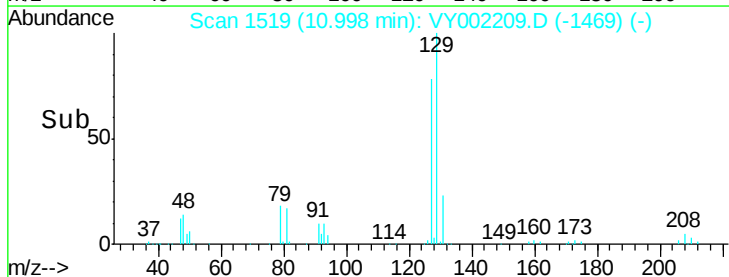
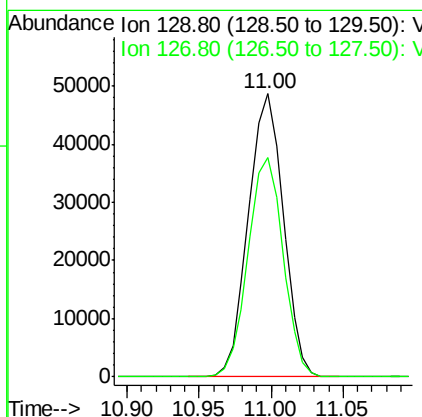
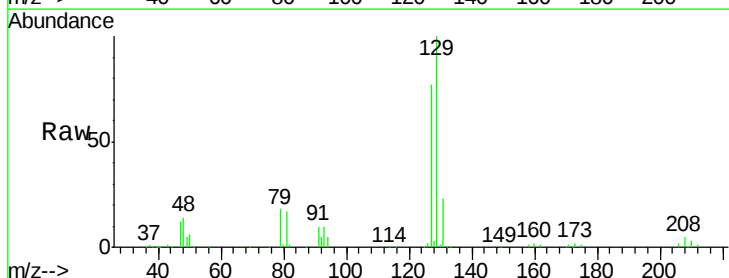
Manual Integrations
APPROVED

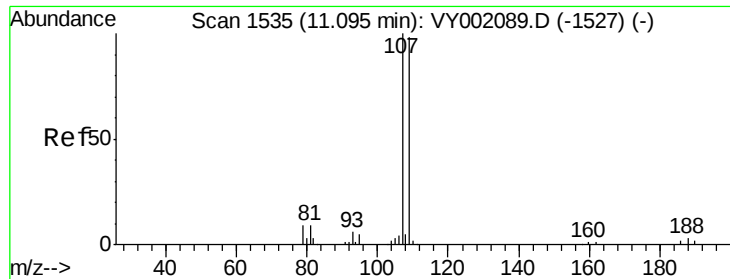
MMDadoda
4/6/2020 11:30:22 AM



#60
Dibromochloromethane
Concen: 50.272 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion: 129 Resp: 81875
Ion Ratio Lower Upper
129 100
127 77.8 38.7 116.1





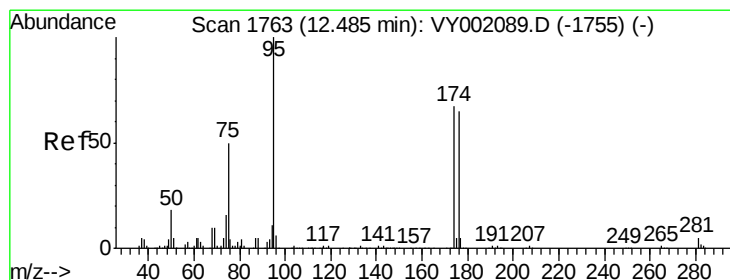
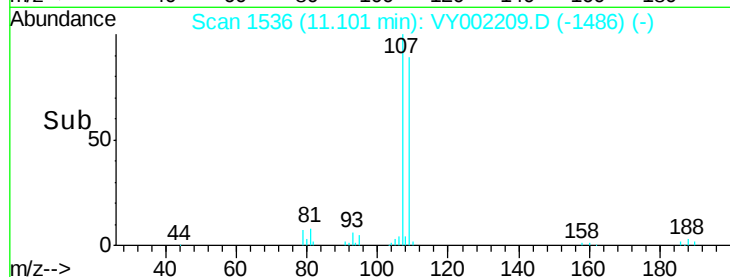
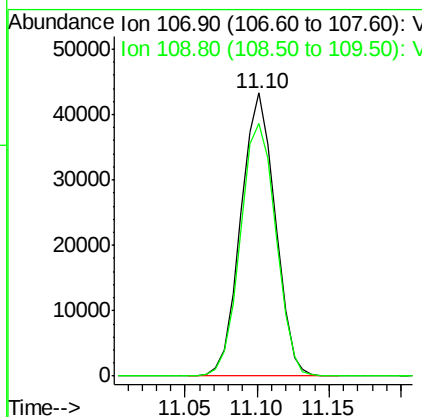
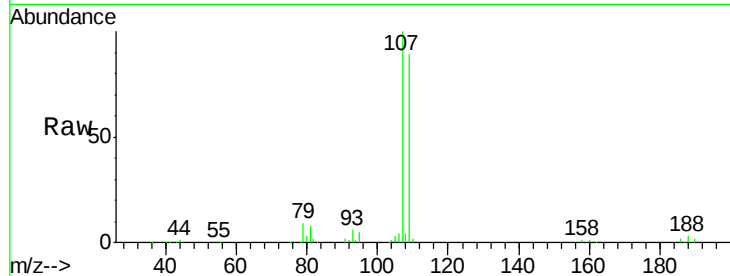
#61
 1,2-Dibromoethane
 Concen: 49.094 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.3	114.5

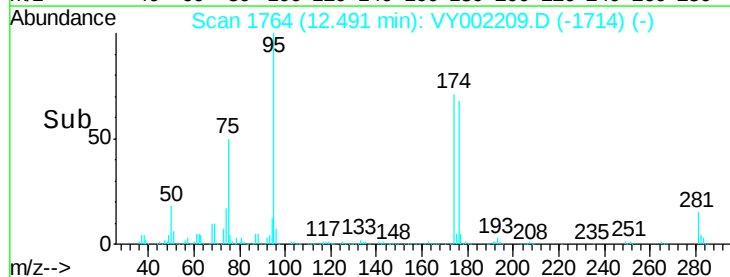
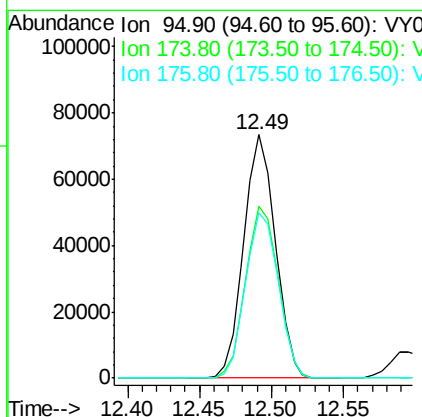
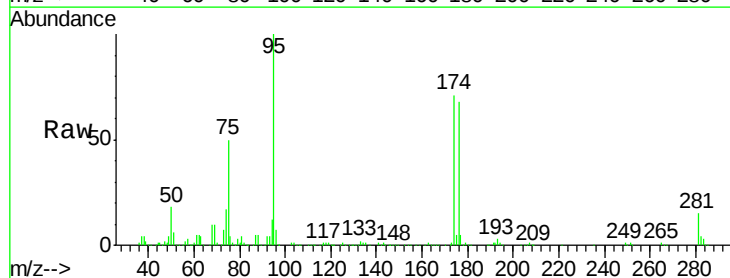
Manual Integrations
 APPROVED

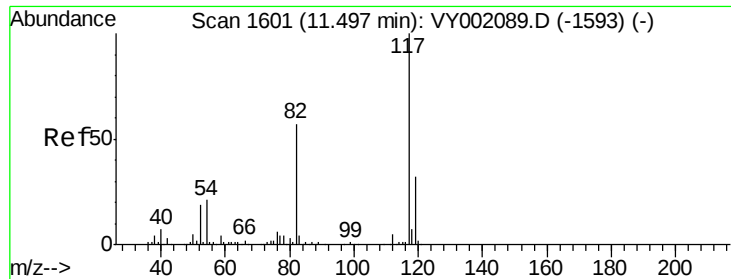
MMDadoda
 4/6/2020 11:30:22 AM



#62
 4-Bromofluorobenzene
 Concen: 47.895 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	143.4
176	70.4	0.0	137.0





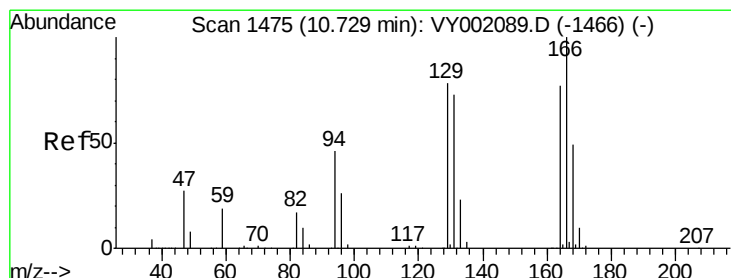
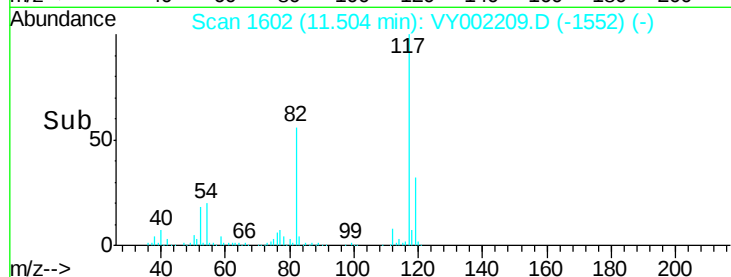
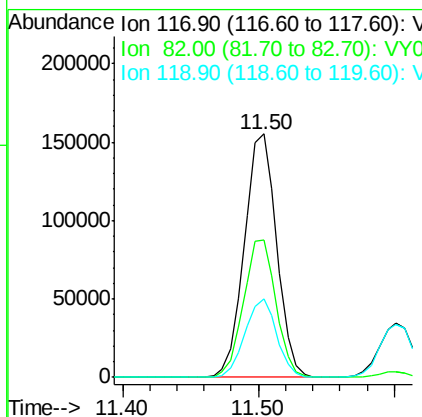
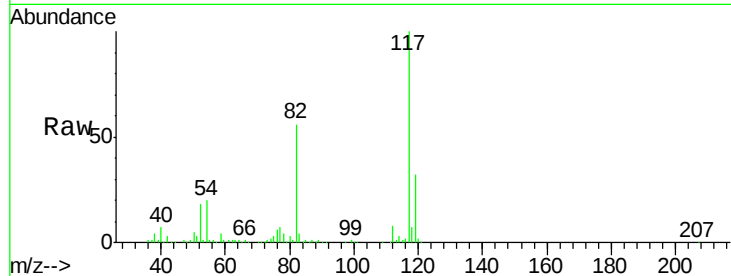
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257122		
82	56.2	45.4	68.2	
119	32.4	25.3	37.9	

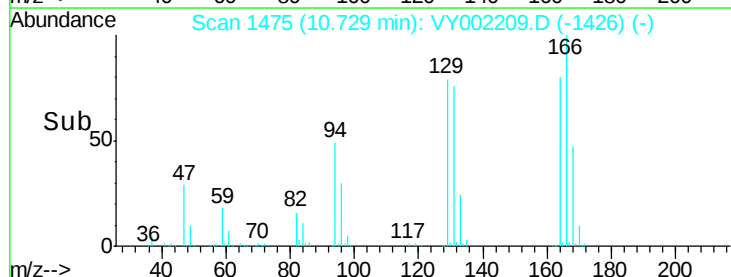
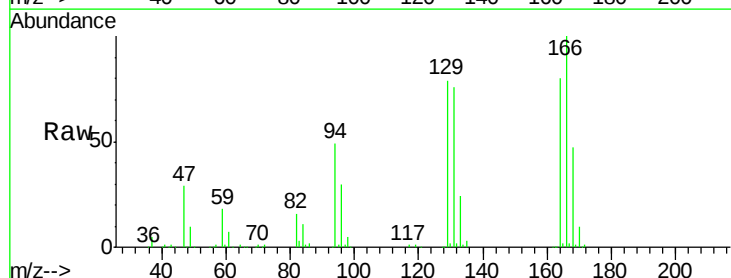
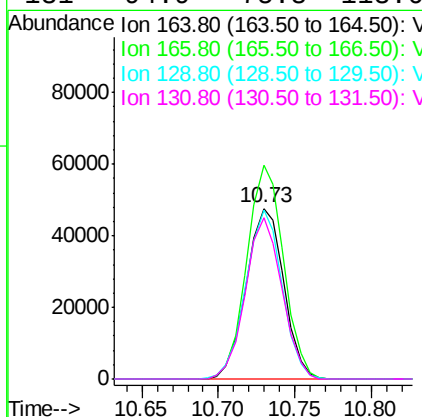
Manual Integrations
APPROVED

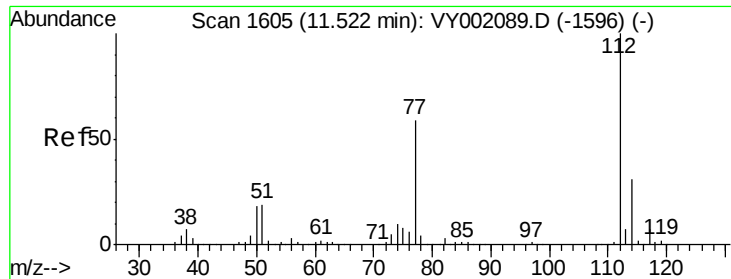
MMDadoda
4/6/2020 11:30:22 AM



#64
Tetrachloroethene
Concen: 51.753 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81415		
166	125.4	104.0	156.0	
129	98.9	81.2	121.8	
131	94.9	75.8	113.6	





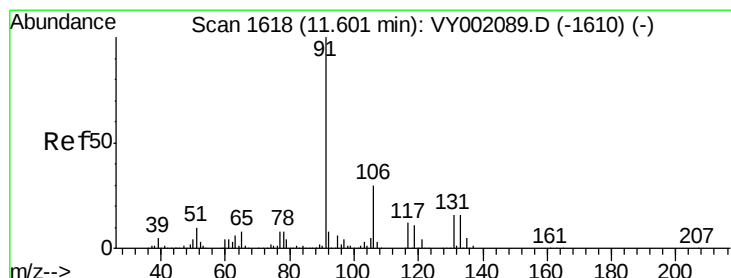
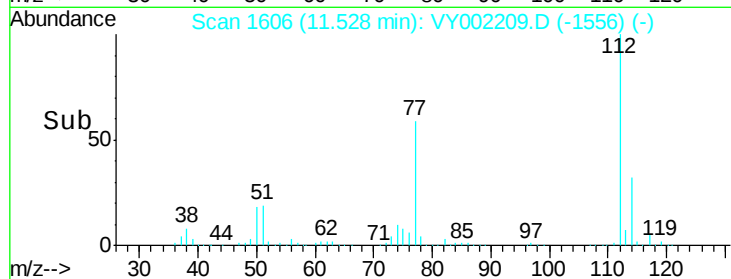
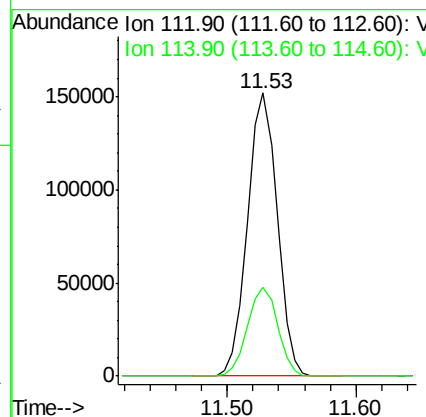
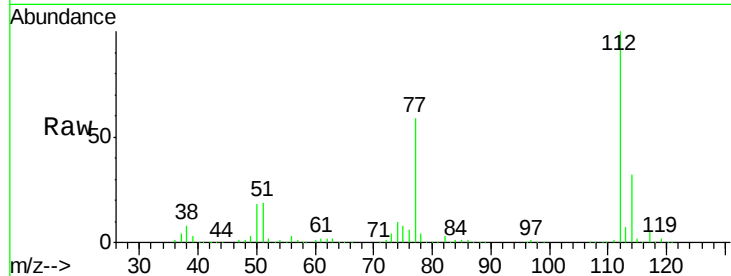
#65
Chlorobenzene
Concen: 48.682 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.9	37.3

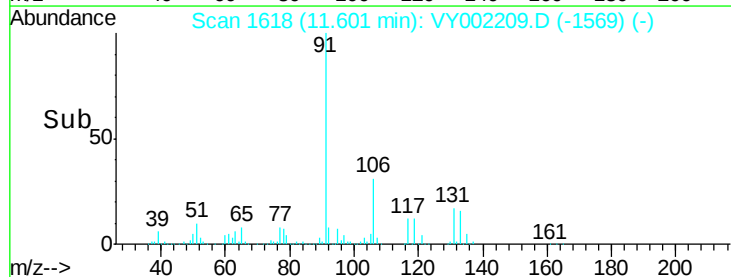
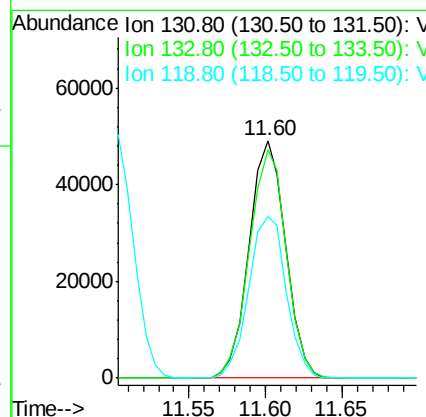
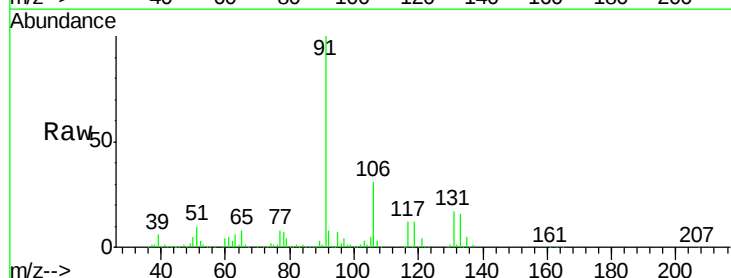
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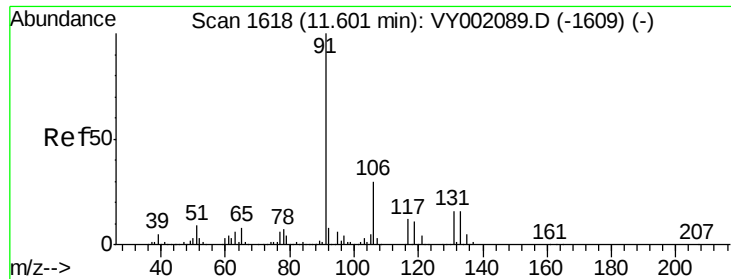
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.992 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.5	142.5
119	70.2	34.6	103.9





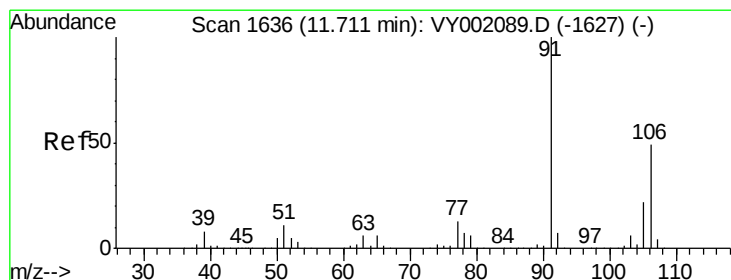
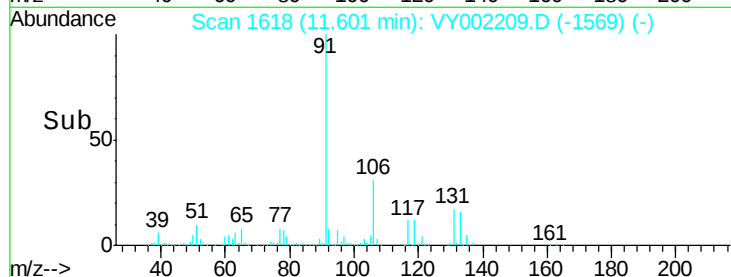
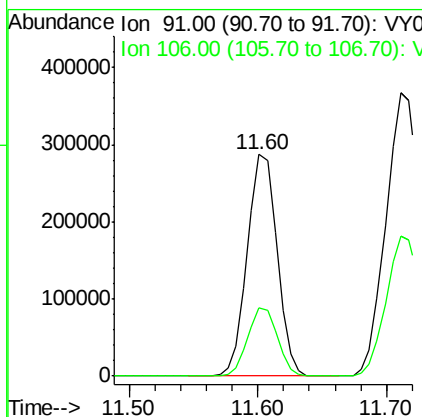
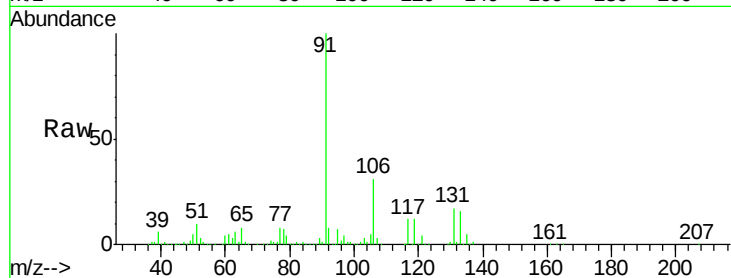
#67
Ethyl Benzene
Concen: 49.719 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 458314
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1

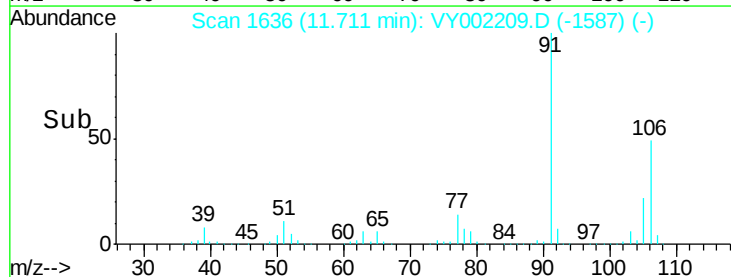
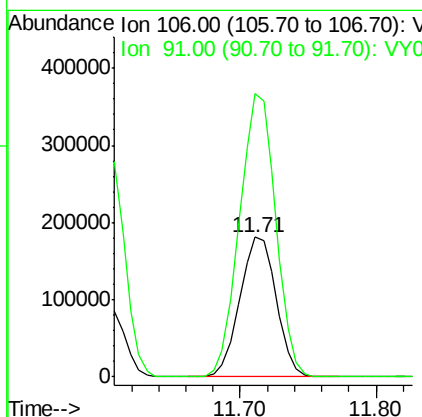
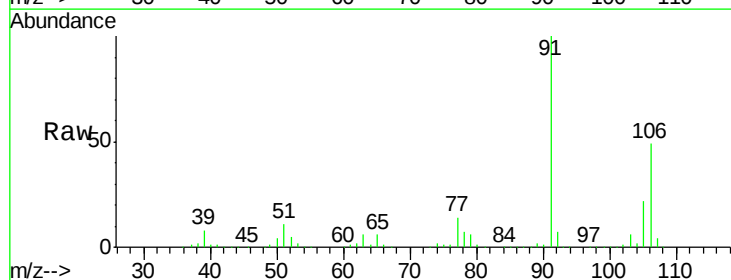
Manual Integrations
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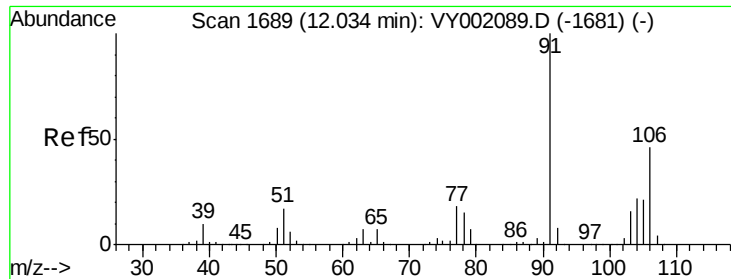
MMDadoda
4/6/2020 11:30:22 AM



#68
m/p-Xylenes
Concen: 99.382 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion: 106 Resp: 338722
Ion Ratio Lower Upper
106 100
91 201.4 162.8 244.2





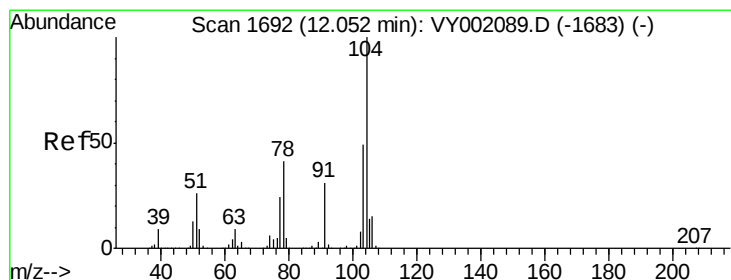
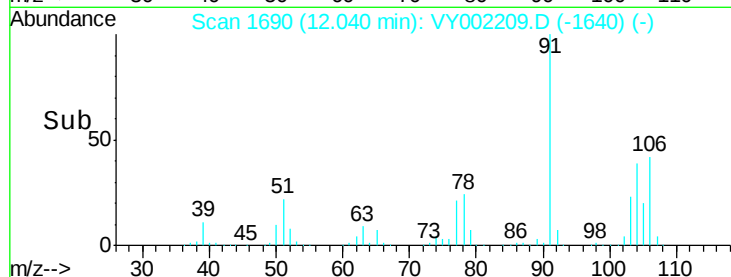
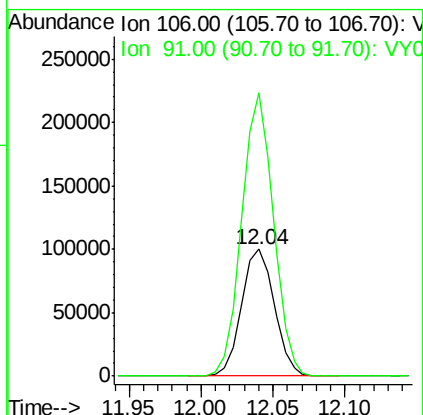
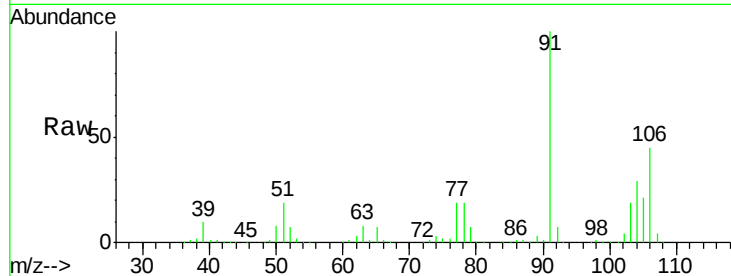
#69
o-Xylene
Concen: 48.777 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 157702
Ion Ratio Lower Upper
106 100
91 215.4 107.3 321.8

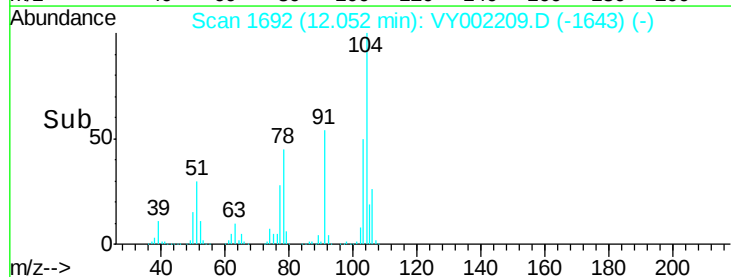
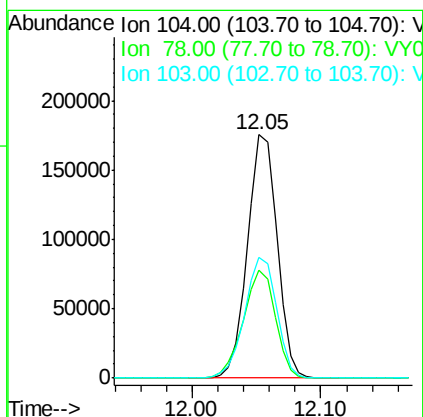
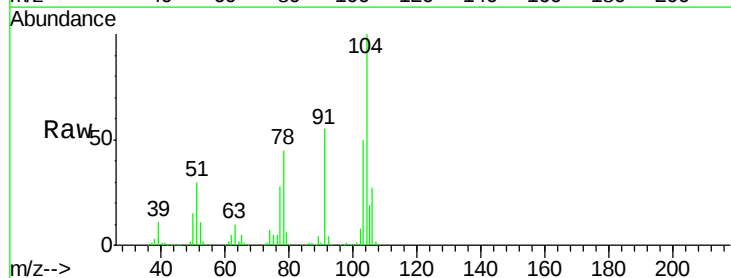
Manual Integrations
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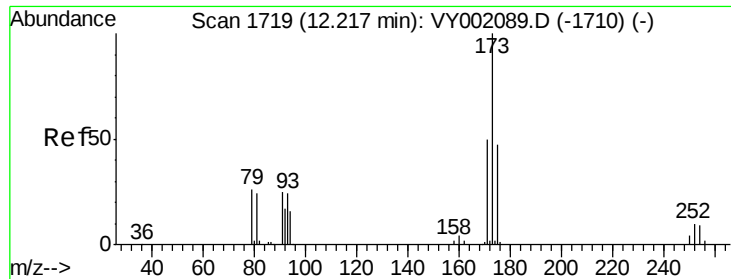
MMDadoda
4/6/2020 11:30:22 AM



#70
Styrene
Concen: 49.664 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion:104 Resp: 278240
Ion Ratio Lower Upper
104 100
78 48.4 37.9 56.9
103 53.8 43.2 64.8





#71

Bromoform

Concen: 49.167 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

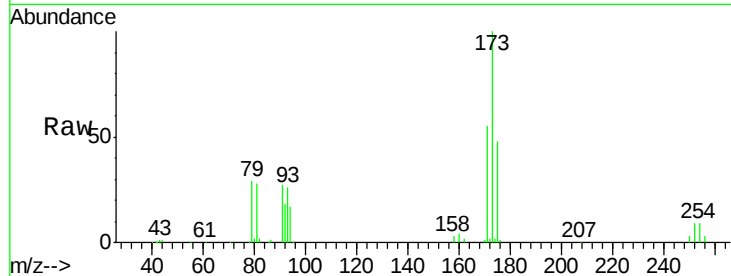
ClientSampleId :

VSTDCCC050

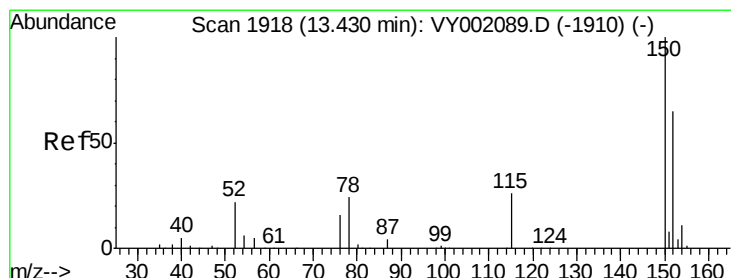
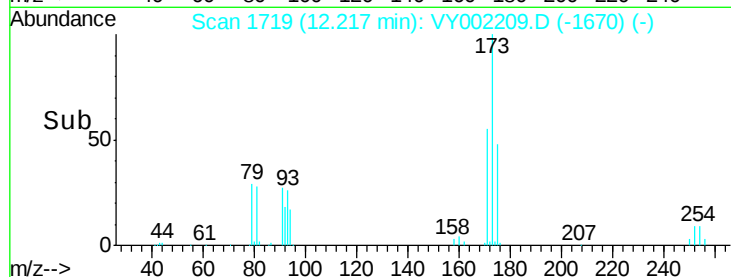
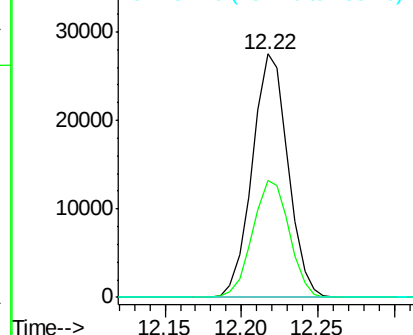
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.8
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

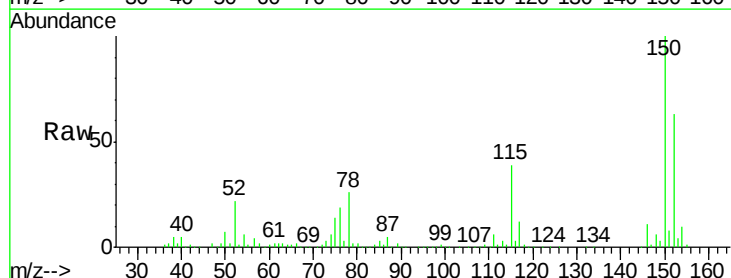
RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

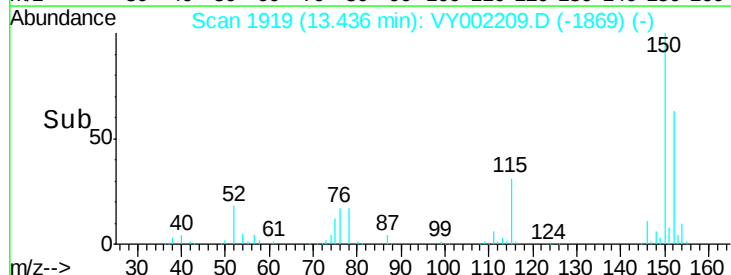
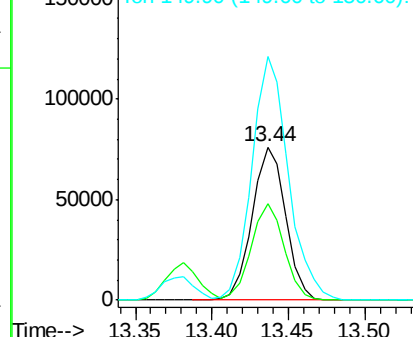
Lab File: VY002209.D

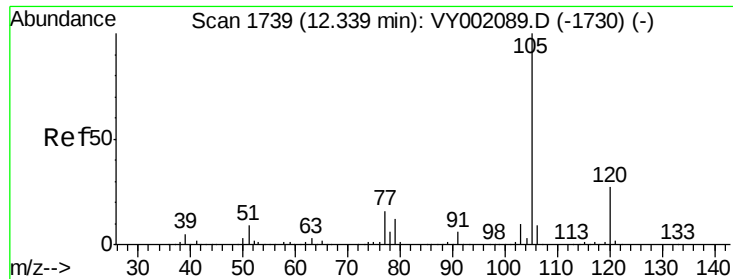
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.2	93.6
150	174.1	0.0	354.8



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





#73

Isopropylbenzene

Concen: 50.452 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 432696

Ion Ratio Lower Upper

105 100

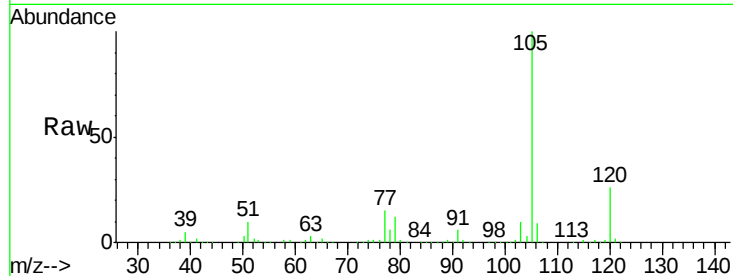
120 26.1 13.3 39.8

Manual Integrations

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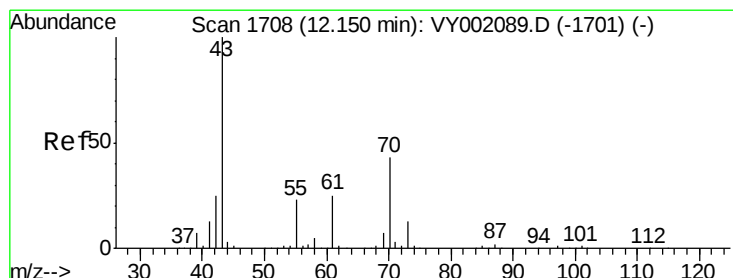
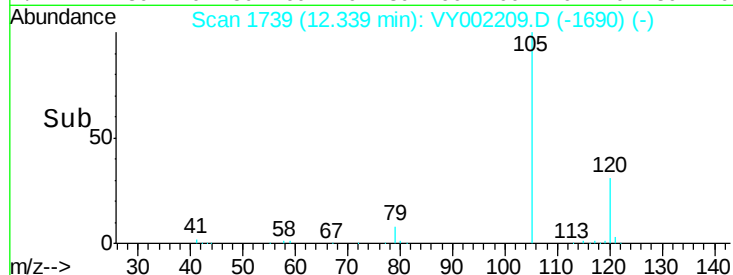
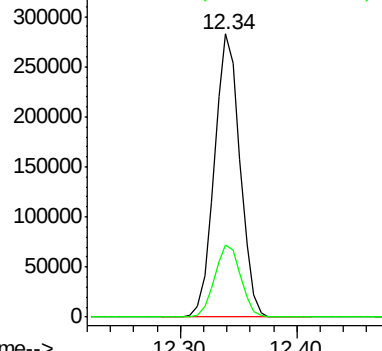
MMDadoda

4/6/2020 11:30:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.155 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tgt Ion: 43 Resp: 130257

Ion Ratio Lower Upper

43 100

70 44.2 35.0 52.4

55 23.5 18.7 28.1

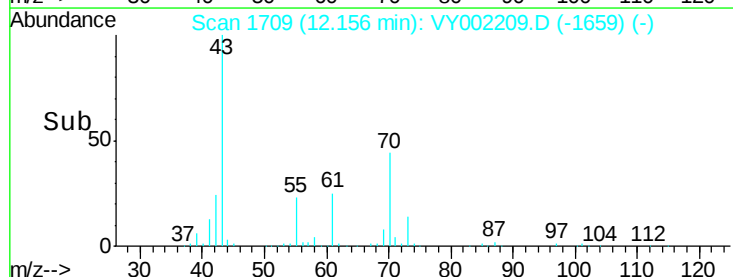
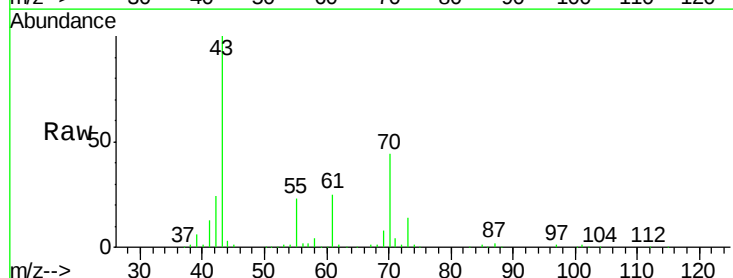
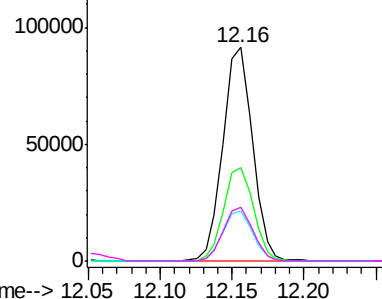
61 25.3 20.2 30.2

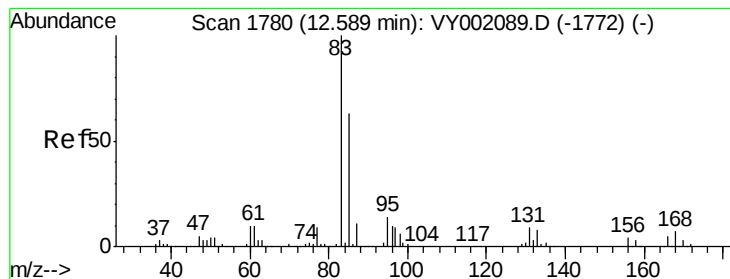
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.667 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

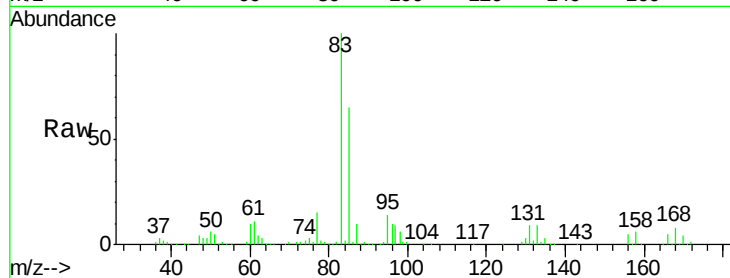
ClientSampleId :

VSTDCCC050

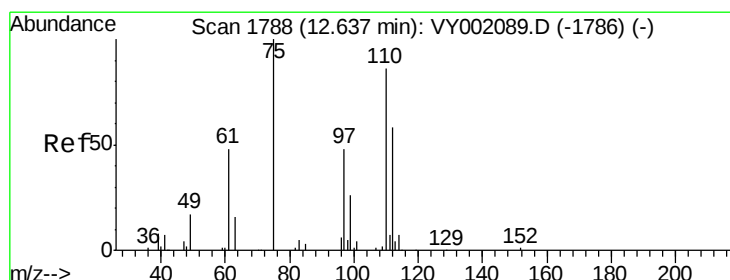
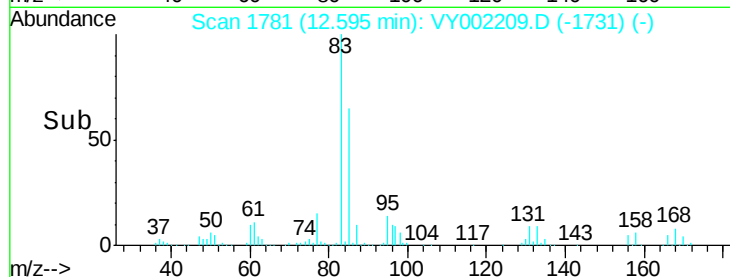
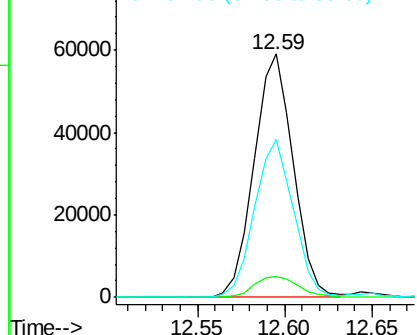
Tot Ion:	83	Resp:	91661
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	64.4	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 47.248 ug/l m

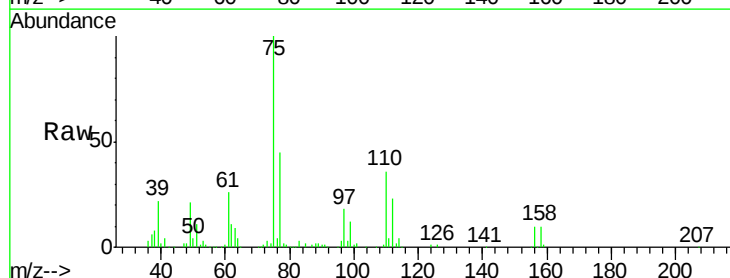
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

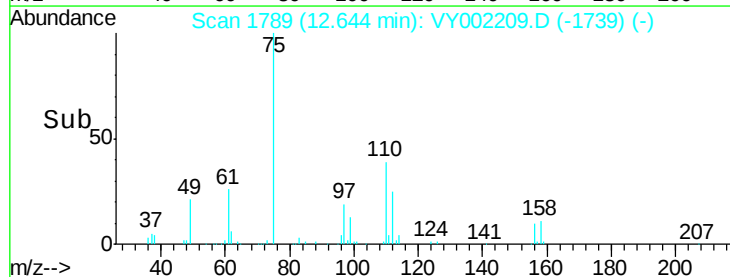
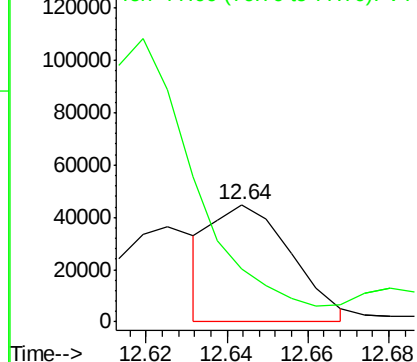
Lab File: VY002209.D

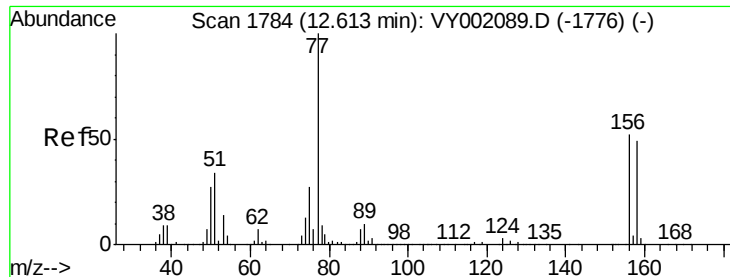
Acq: 03 Apr 2020 10:43

Tgt Ion:	75	Resp:	61104
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 49.763 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 91107

Ion Ratio Lower Upper

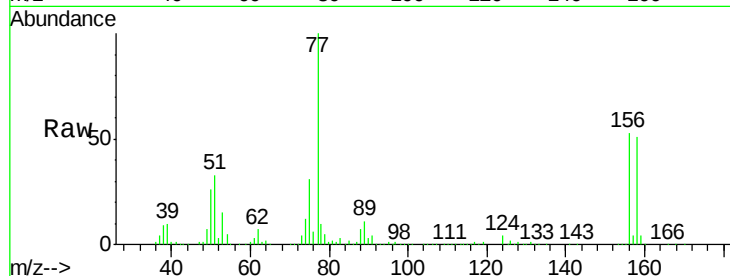
156 100

77 212.6 107.8 323.6

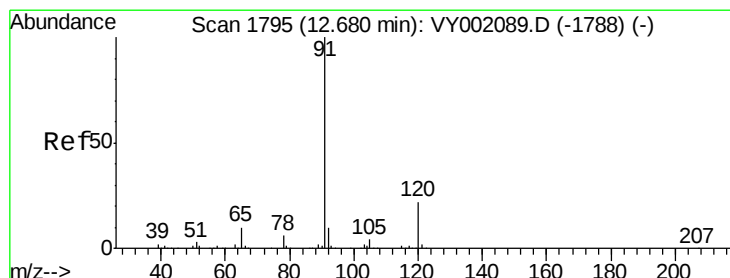
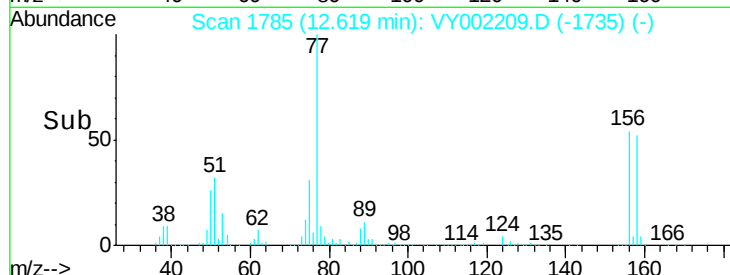
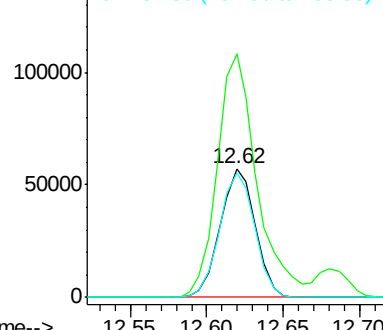
158 97.5 47.5 142.6

Manual Integrations
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4/6/2020 11:30:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.954 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002209.D

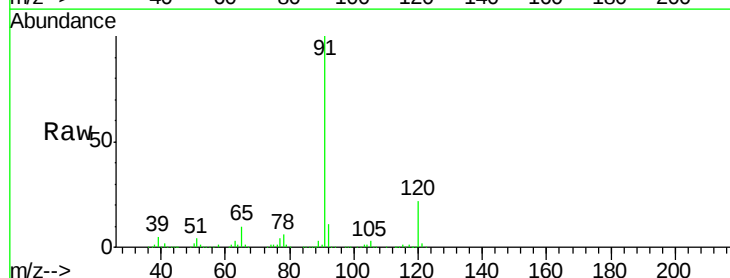
Acq: 03 Apr 2020 10:43

Tgt Ion: 91 Resp: 531667

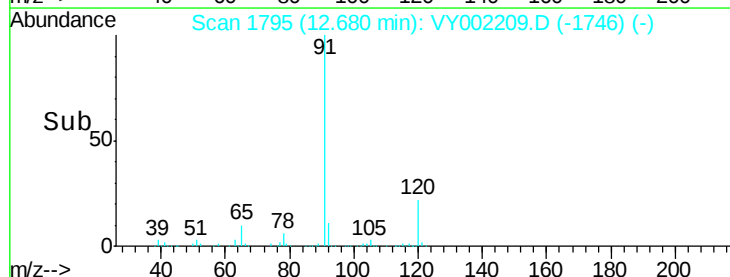
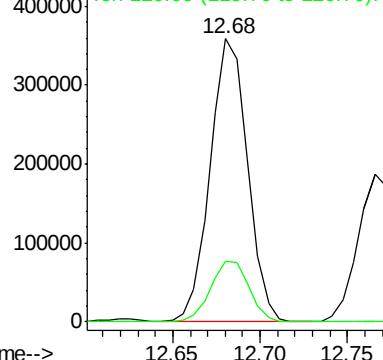
Ion Ratio Lower Upper

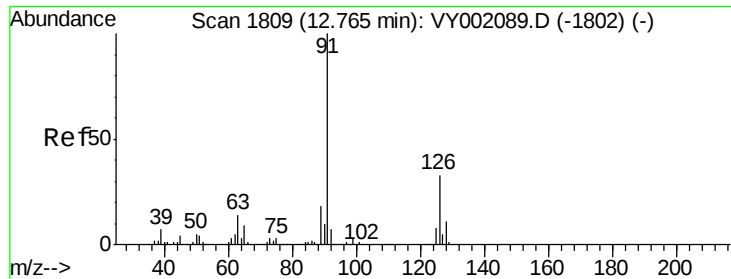
91 100

120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





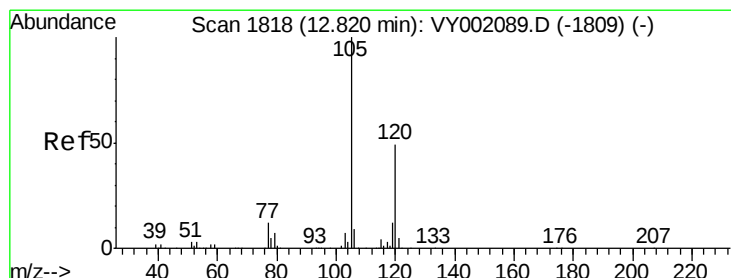
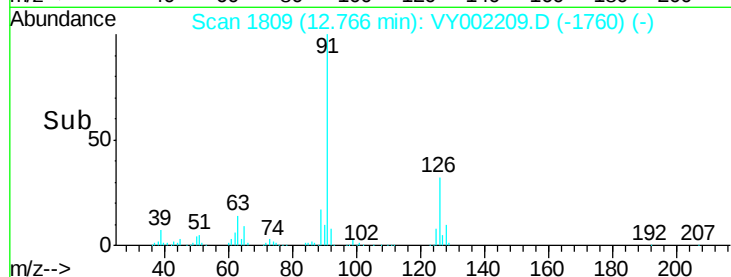
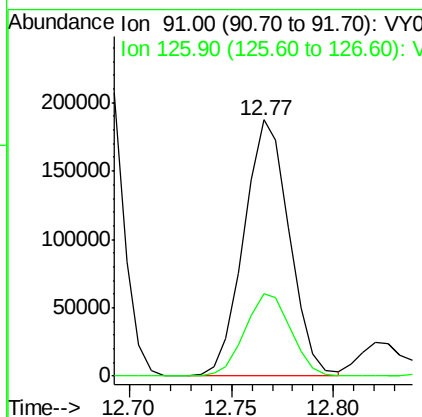
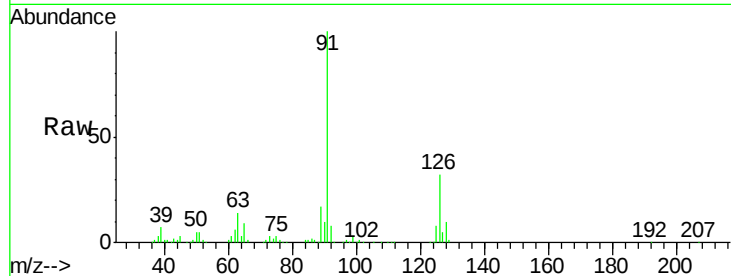
#79
2-Chlorotoluene
Concen: 49.784 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 290920
Ion Ratio Lower Upper
91 100
126 32.6 16.4 49.1

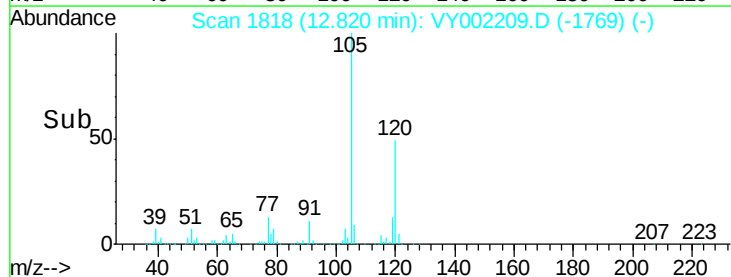
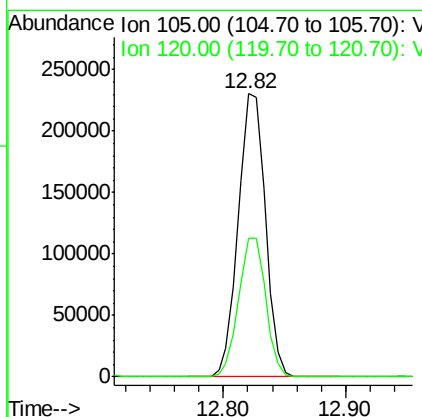
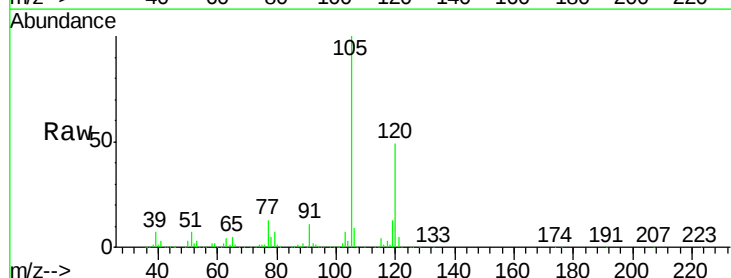
Manual Integrations
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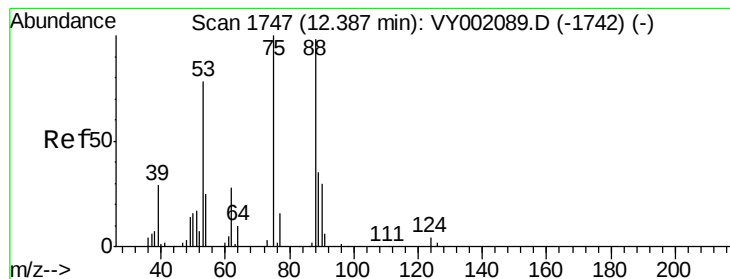
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.986 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion: 105 Resp: 353694
Ion Ratio Lower Upper
105 100
120 48.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.246 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Instrument :

MSVOA_Y

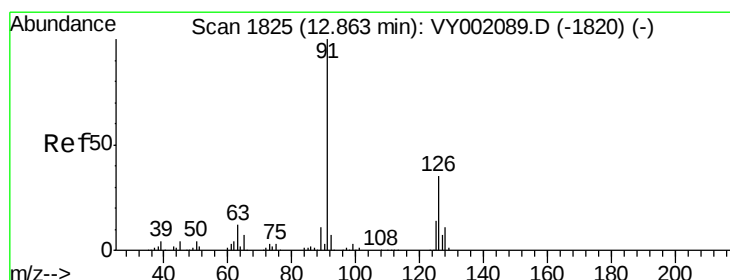
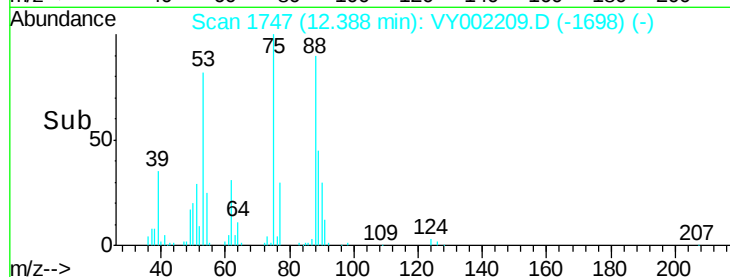
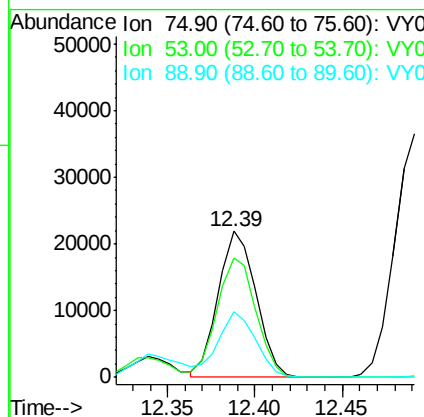
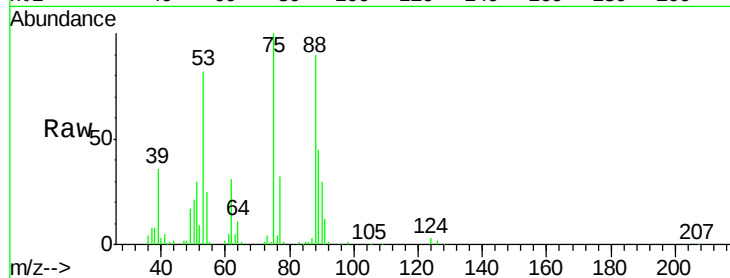
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	32874
Ion	Ratio	Lower	Upper
75	100		
53	85.4	65.0	97.4
89	45.0	33.4	50.0

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#82

4-Chlorotoluene

Concen: 49.233 ug/l

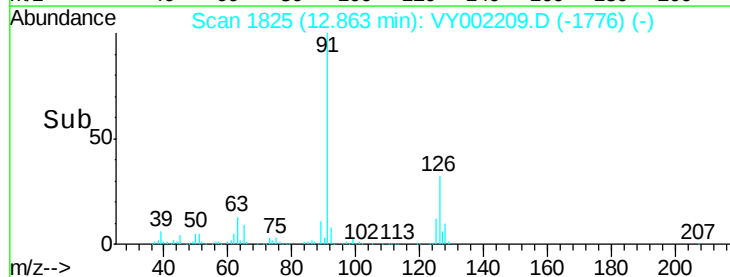
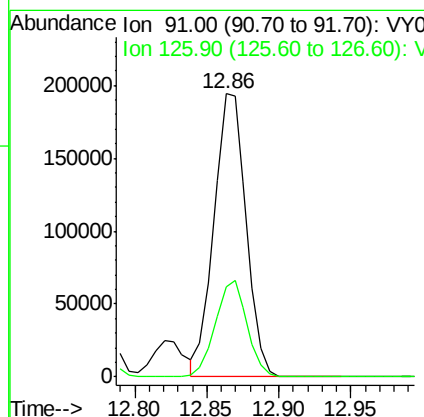
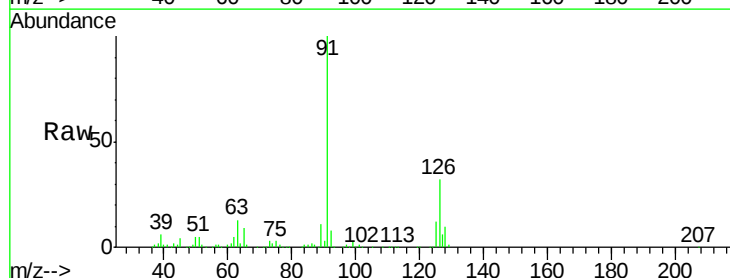
RT: 12.86 min Scan# 1825

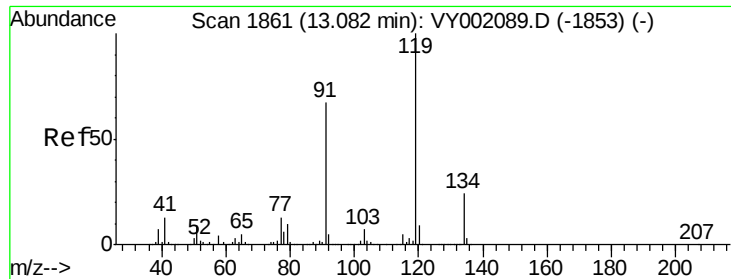
Delta R.T. 0.00 min

Lab File: VY002209.D

Acq: 03 Apr 2020 10:43

Tgt Ion:	91	Resp:	303171
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.3	48.9





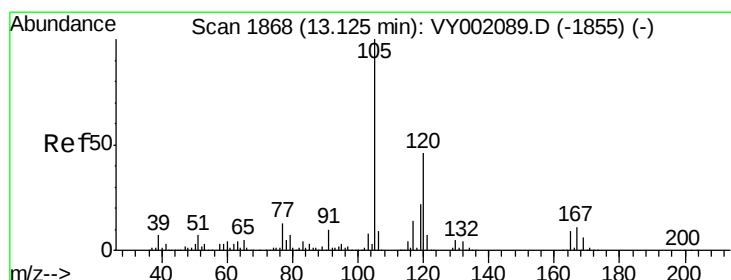
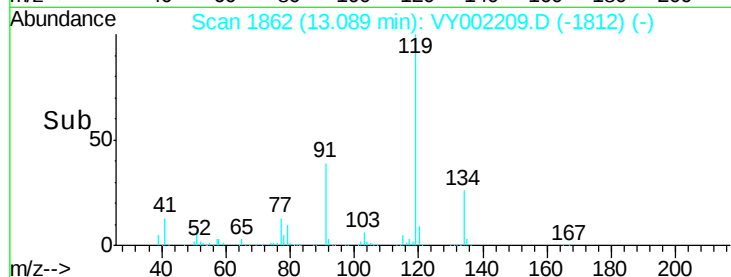
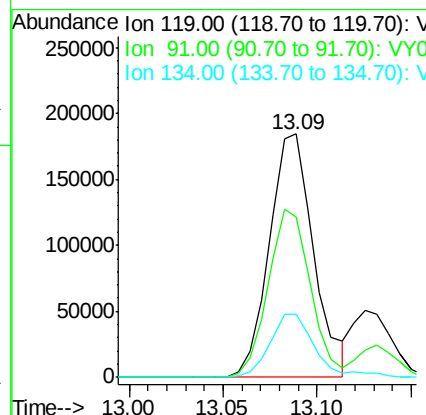
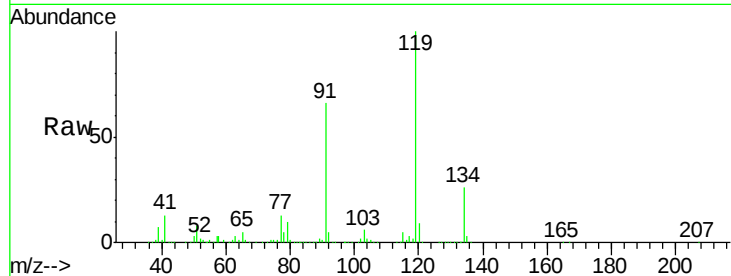
#83
tert-Butylbenzene
Concen: 50.917 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	26.6	13.0	38.9

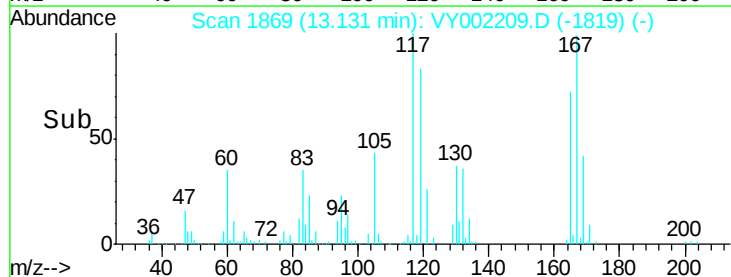
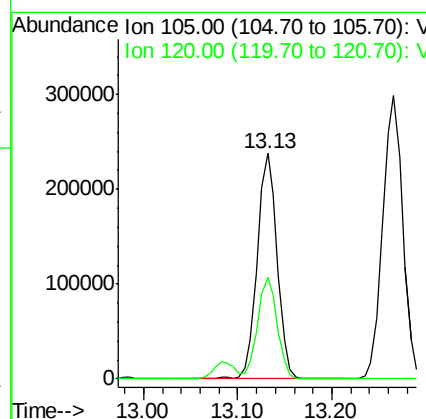
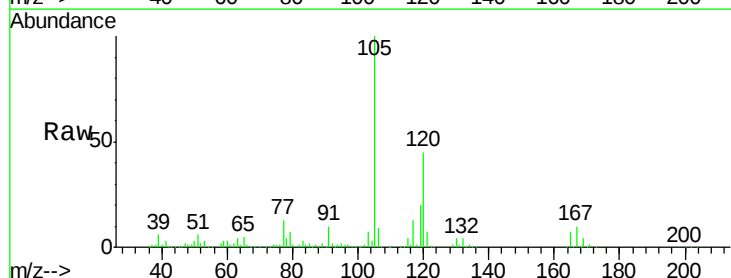
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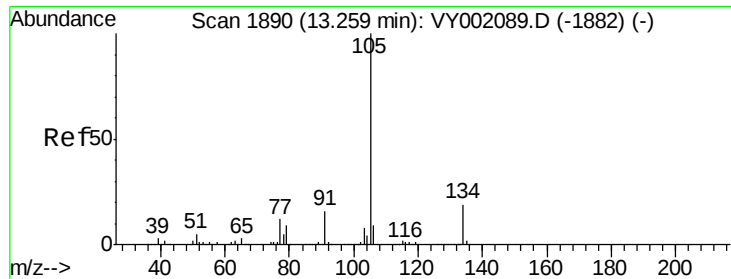
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#84
1,2,4-Trimethylbenzene
Concen: 50.193 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.9	68.5





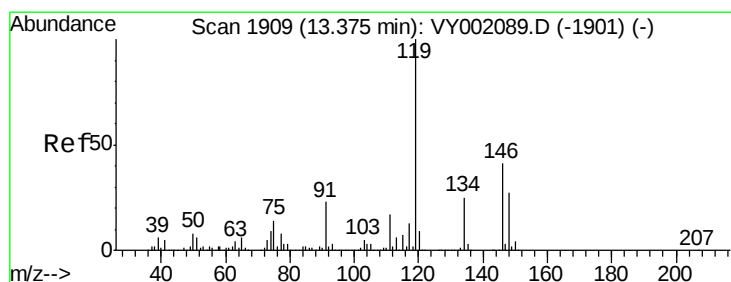
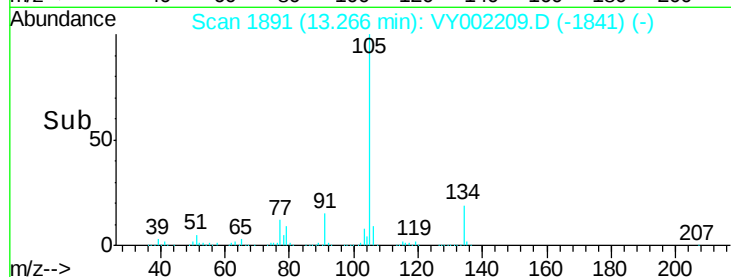
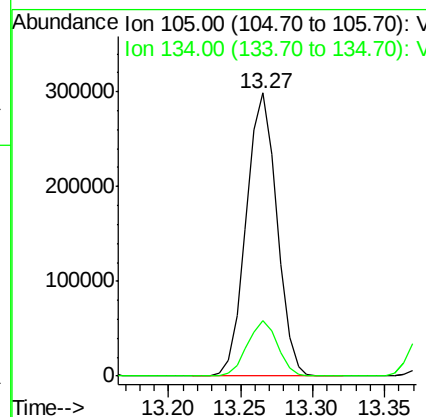
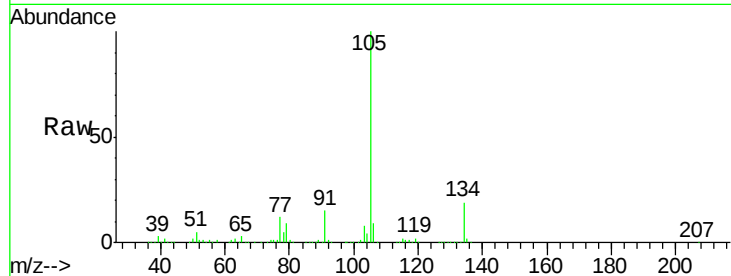
#85
 sec-Butylbenzene
 Concen: 50.362 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

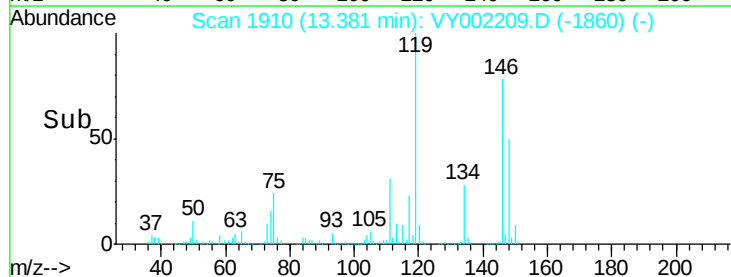
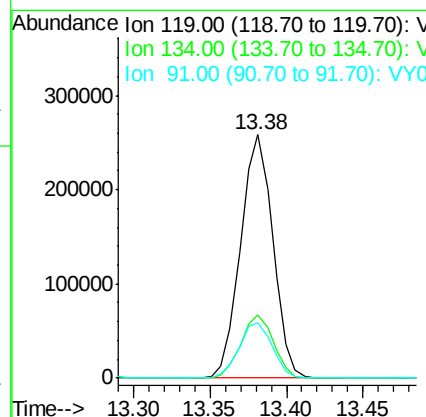
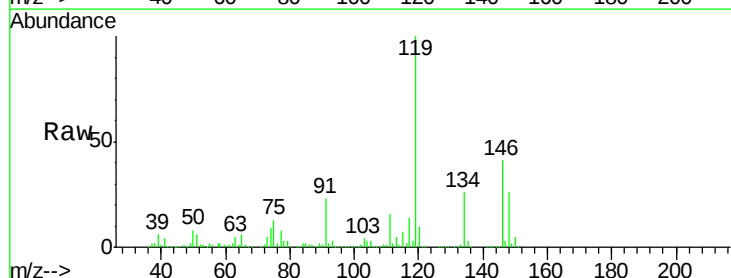
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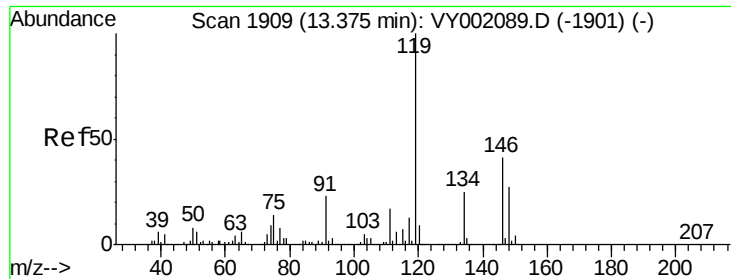
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#86
 p-Isopropyltoluene
 Concen: 50.398 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	23.3	11.8	35.3





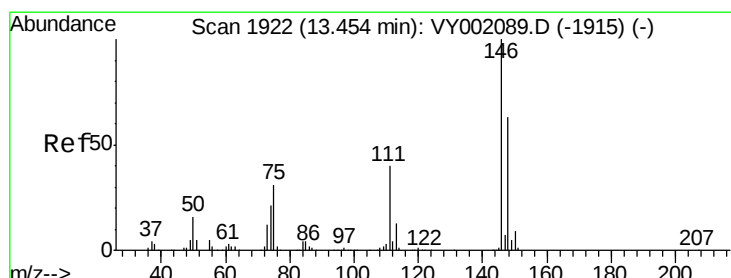
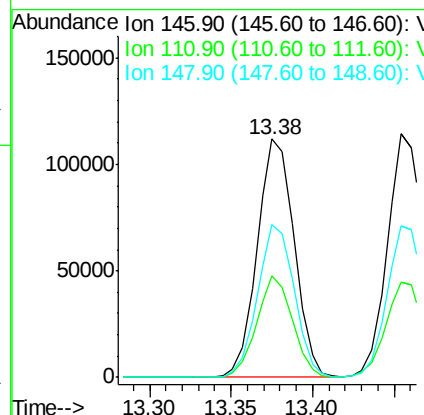
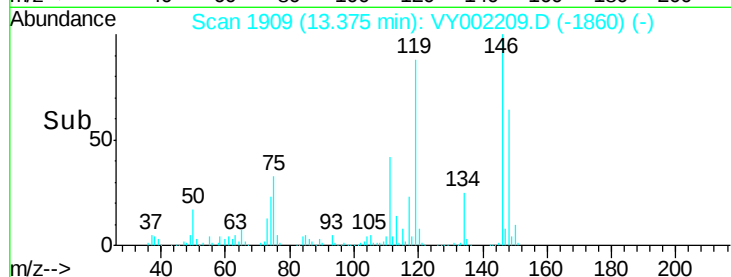
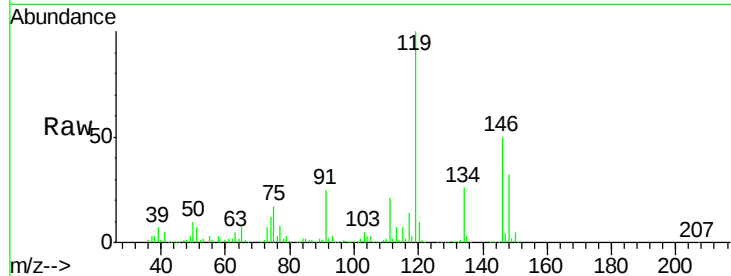
#87
 1,3-Dichlorobenzene
 Concen: 49.128 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175955		
111	41.3	20.9	62.8	
148	63.6	32.1	96.5	

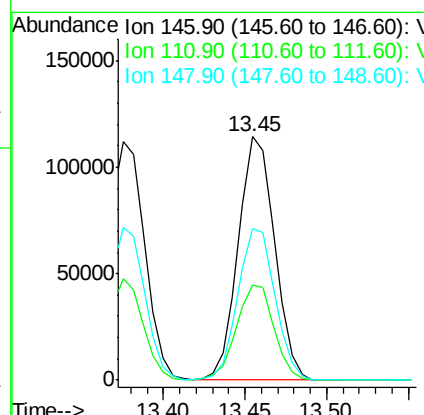
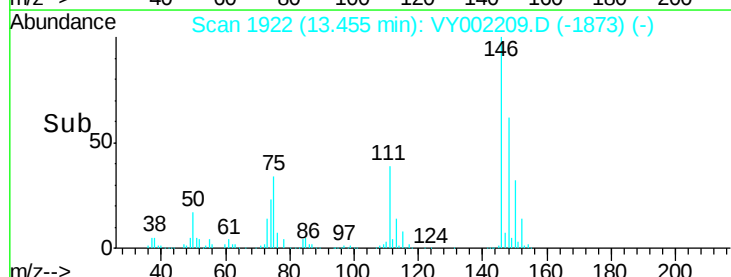
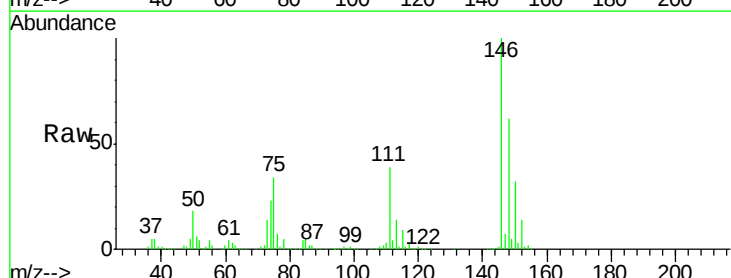
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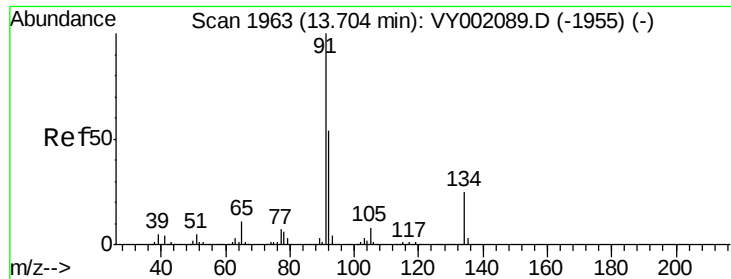
MMDadoda
 4/6/2020 11:30:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.359 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177897		
111	40.5	20.3	60.9	
148	63.6	31.5	94.5	





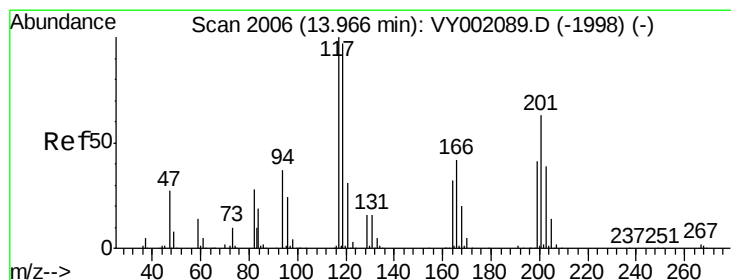
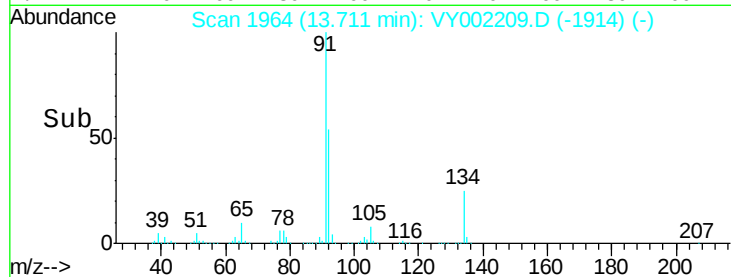
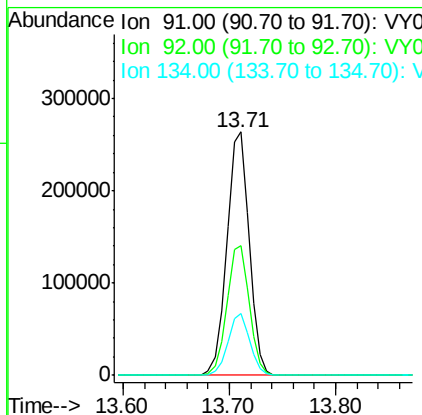
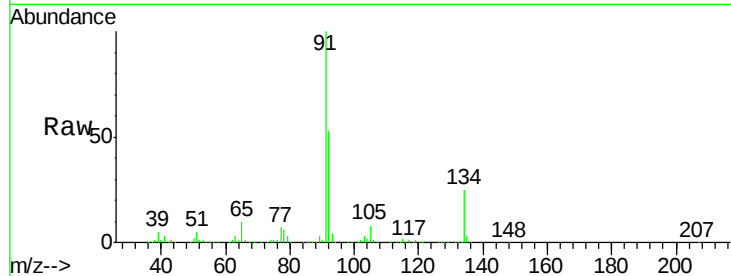
#89
n-Butylbenzene
Concen: 49.491 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	387389		
92	53.4		27.0	81.0
134	24.8		12.3	36.8

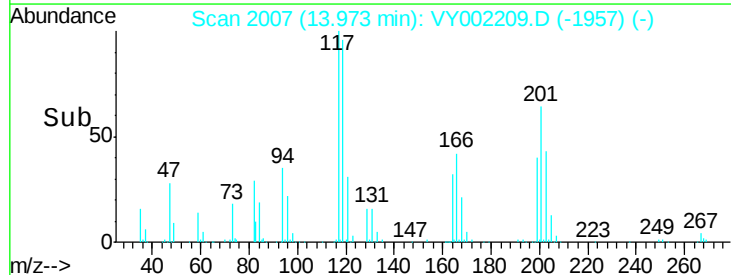
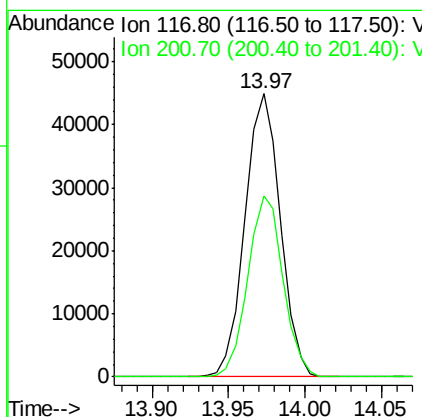
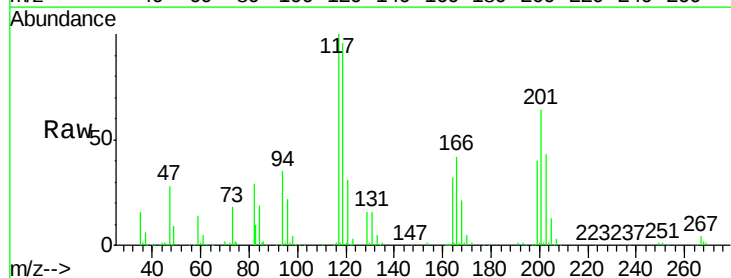
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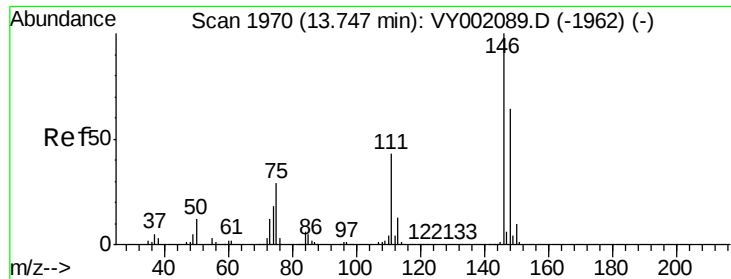
MMDadoda
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#90
Hexachloroethane
Concen: 50.991 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	72182		
201	63.6		31.6	94.8





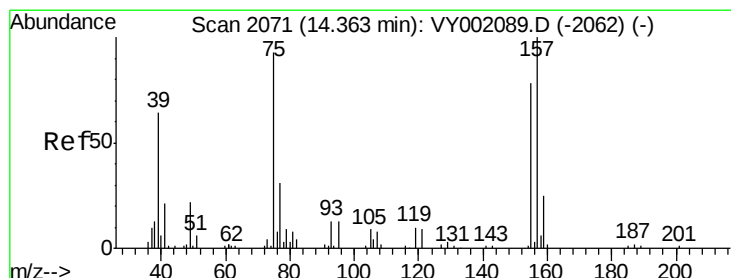
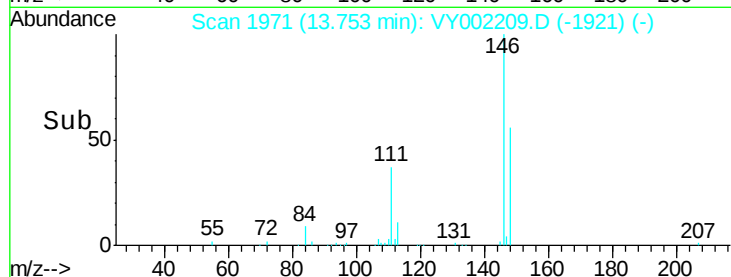
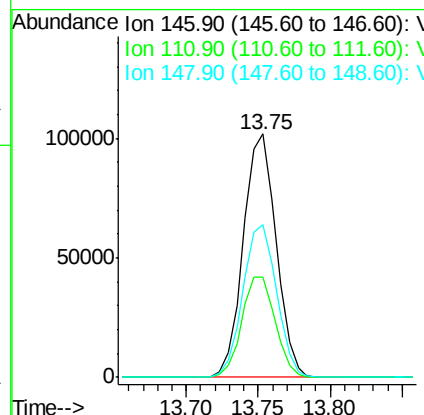
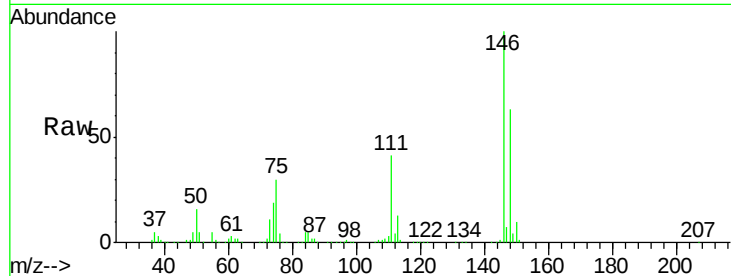
#91
 1,2-Dichlorobenzene
 Concen: 48.688 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	64.1	31.8	95.4

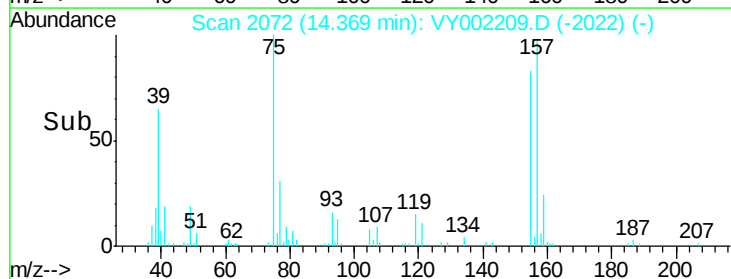
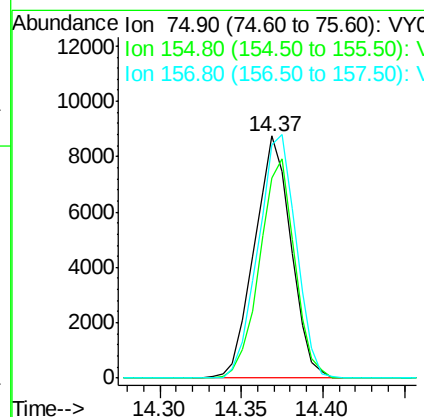
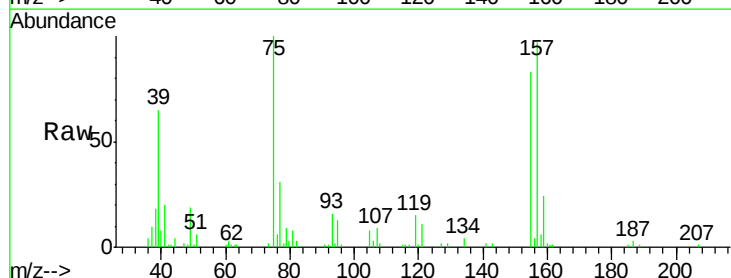
Manual Integrations
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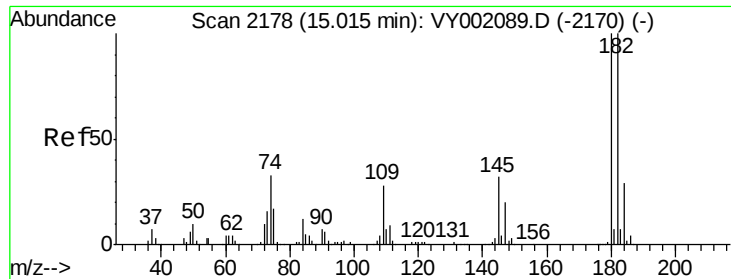
MMDadoda
 4/6/2020 11:30:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.245 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	41.6	124.9
157	104.1	53.4	160.3





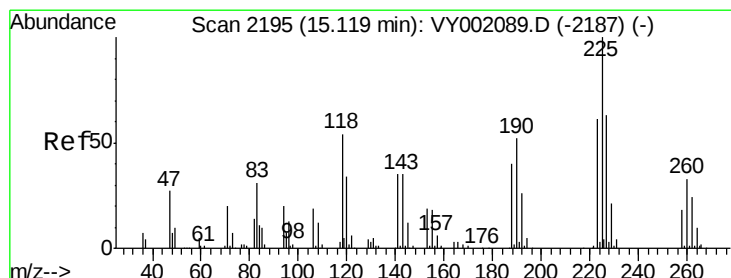
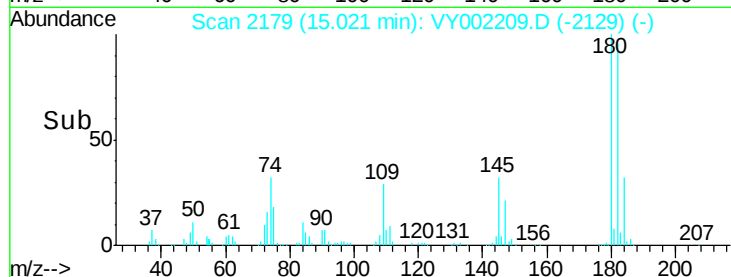
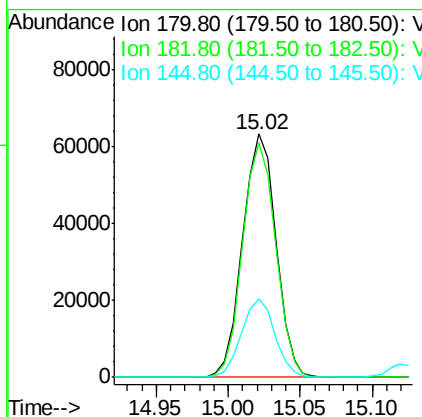
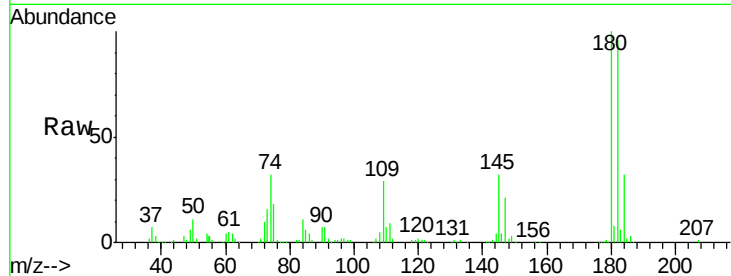
#93
 1,2,4-Trichlorobenzene
 Concen: 47.693 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101676		
182	95.0	48.1	144.3	
145	32.1	15.9	47.6	

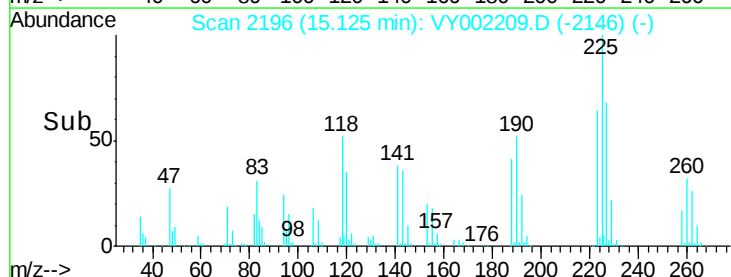
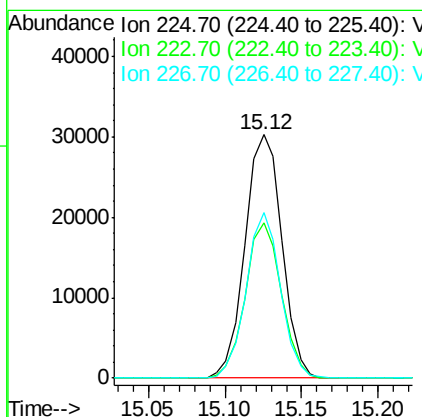
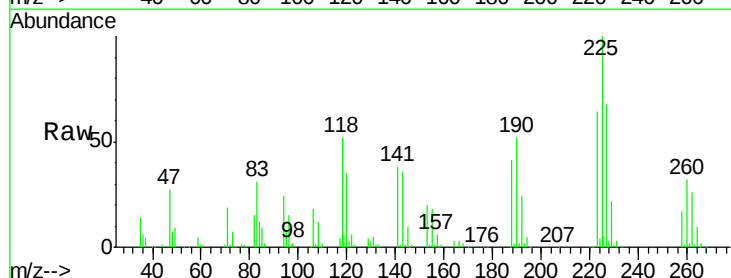
Manual Integrations
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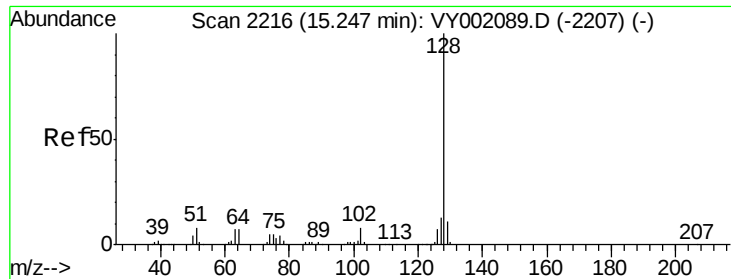
MMDadoda
 4/6/2020 11:30:22 AM



#94
 Hexachlorobutadiene
 Concen: 48.243 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002209.D
 Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50767		
223	62.3	31.1	93.3	
227	63.3	31.6	94.7	





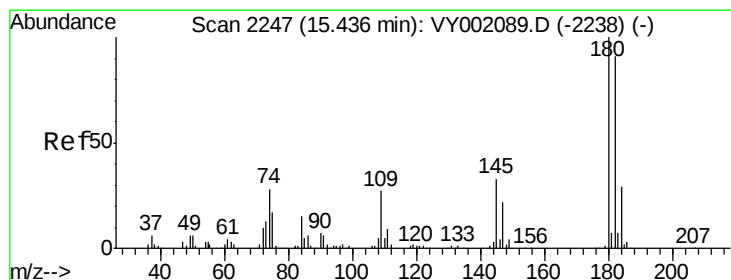
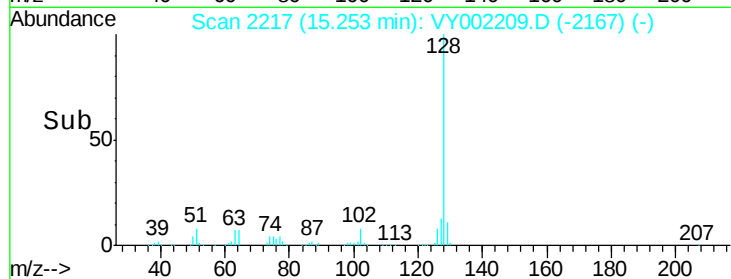
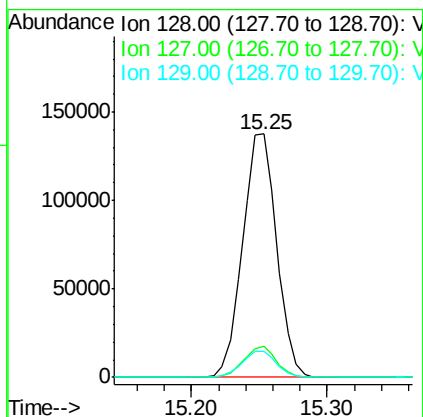
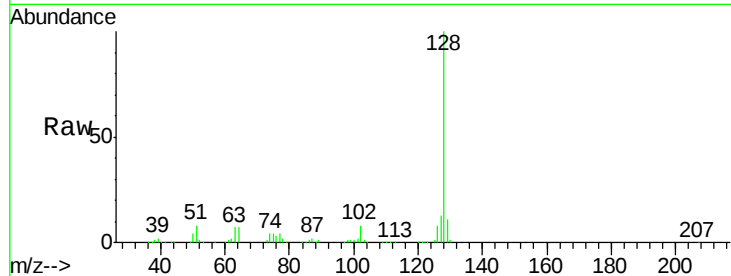
#95
Naphthalene
Concen: 47.537 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240703		
127	12.3		9.8	14.8
129	10.9		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.824 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002209.D
Acq: 03 Apr 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90521		
182	94.2		46.8	140.3
145	33.7		16.7	50.1

