

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002241.D
 Acq On : 06 Apr 2020 16:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:28 PM

Quant Time: Apr 07 05:23:24 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	7.80	168	159788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	293947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	264878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	80532	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	7.73	113	79575	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.19	98	326740	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.49	95	112647	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	42151	39.439	ug/l	93
3) Chloromethane	2.12	50	70789	37.909	ug/l	98
4) Vinyl Chloride	2.26	62	75211	39.602	ug/l	99
5) Bromomethane	2.66	94	53171	42.901	ug/l	97
6) Chloroethane	2.80	64	51271	42.044	ug/l	97
7) Trichlorofluoromethane	3.14	101	107652	41.365	ug/l	99
8) Diethyl Ether	3.55	74	47683	43.258	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	73702	43.164	ug/l	99
10) Methyl Iodide	4.10	142	87941	43.313	ug/l	99
11) Tert butyl alcohol	4.97	59	38042	182.753	ug/l	99
12) 1,1-Dichloroethene	3.88	96	76596	44.177	ug/l	94
13) Acrolein	3.74	56	56743	218.100	ug/l	98
14) Allyl chloride	4.50	41	133910	42.189	ug/l	98
15) Acrylonitrile	5.19	53	127923	221.413	ug/l	100
16) Acetone	3.96	43	89309	179.960	ug/l	94
17) Carbon Disulfide	4.21	76	237790	41.326	ug/l	100
18) Methyl Acetate	4.50	43	54473	42.270	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	217315	44.929	ug/l	98
20) Methylene Chloride	4.74	84	92105	44.237	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	86905	44.022	ug/l	99
22) Diisopropyl ether	6.14	45	280154	43.129	ug/l	94
23) Vinyl Acetate	6.08	43	910064	213.658	ug/l	97
24) 1,1-Dichloroethane	6.04	63	153009	44.303	ug/l	97
25) 2-Butanone	7.00	43	153428	201.342	ug/l	95
26) 2,2-Dichloropropane	7.00	77	122852	43.190	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	98414	45.314	ug/l	98
28) Bromochloromethane	7.35	49	76640	48.607	ug/l	95
29) Tetrahydrofuran	7.36	42	104397	208.956	ug/l	97
30) Chloroform	7.52	83	145148	44.339	ug/l	99
31) Cyclohexane	7.80	56	150257	40.829	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	120189	43.973	ug/l	98
36) 1,1-Dichloropropene	7.93	75	118653	42.676	ug/l	98
37) Ethyl Acetate	7.09	43	68504	40.772	ug/l	98
38) Carbon Tetrachloride	7.91	117	103763	43.988	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	156422	42.891	ug/l	97
40) Benzene	8.18	78	365378	44.365	ug/l	99
41) Methacrylonitrile	7.33	41	34403m	40.480	ug/l	
42) 1,2-Dichloroethane	8.25	62	91310	41.761	ug/l	99
43) Isopropyl Acetate	8.28	43	129906	41.657	ug/l	98
44) Trichloroethene	8.95	130	110545	55.684	ug/l	97
45) 1,2-Dichloropropane	9.22	63	94823	45.219	ug/l	97
46) Dibromomethane	9.32	93	47471	44.080	ug/l	97
47) Bromodichloromethane	9.50	83	113881	45.425	ug/l	99
48) Methyl methacrylate	9.30	41	58354	41.757	ug/l	97
49) 1,4-Dioxane	9.30	88	13499	913.450	ug/l	86
51) 4-Methyl-2-Pentanone	10.08	43	337012	209.878	ug/l	98
52) Toluene	10.25	92	223455	44.860	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	123557	44.403	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	146792	44.806	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	70340	44.131	ug/l	97
56) Ethyl methacrylate	10.52	69	103582	44.494	ug/l	96
57) 1,3-Dichloropropane	10.80	76	125129	44.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	291016	243.279	ug/l	99
59) 2-Hexanone	10.83	43	233105	206.083	ug/l	96
60) Dibromochloromethane	10.99	129	76429	45.824	ug/l	97
61) 1,2-Dibromoethane	11.10	107	66434	44.531	ug/l	100
64) Tetrachloroethene	10.72	164	114452	70.624	ug/l	99
65) Chlorobenzene	11.52	112	229960	44.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	78092	45.653	ug/l	98
67) Ethyl Benzene	11.60	91	428219	45.094	ug/l	98
68) m/p-Xylenes	11.71	106	316803	90.229	ug/l	98
69) o-Xylene	12.03	106	151291	45.424	ug/l	97
70) Styrene	12.05	104	264023	45.747	ug/l	100
71) Bromoform	12.21	173	43234	46.147	ug/l #	99
73) Isopropylbenzene	12.33	105	404974	44.981	ug/l	100
74) N-amyl acetate	12.14	43	116944	41.184	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	37138	19.169	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	53113m	39.122	ug/l	
77) Bromobenzene	12.61	156	87324	45.436	ug/l	96
78) n-propylbenzene	12.67	91	498501	44.618	ug/l	99
79) 2-Chlorotoluene	12.76	91	273156	44.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	334053	44.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	30928	44.135	ug/l	98
82) 4-Chlorotoluene	12.86	91	281911	43.611	ug/l	98
83) tert-Butylbenzene	13.08	119	279219	45.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	336322	45.381	ug/l	100
85) sec-Butylbenzene	13.26	105	414279	45.111	ug/l	100
86) p-Isopropyltoluene	13.38	119	358756	45.491	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	168593	44.841	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	169648	44.839	ug/l	99
89) n-Butylbenzene	13.70	91	362706	44.141	ug/l	99
90) Hexachloroethane	13.96	117	66690	44.878	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	155608	44.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11406	36.754	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	98208	43.883	ug/l	99
94) Hexachlorobutadiene	15.12	225	49222	44.557	ug/l	98
95) Naphthalene	15.24	128	222934	41.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	86071	42.411	ug/l	99

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

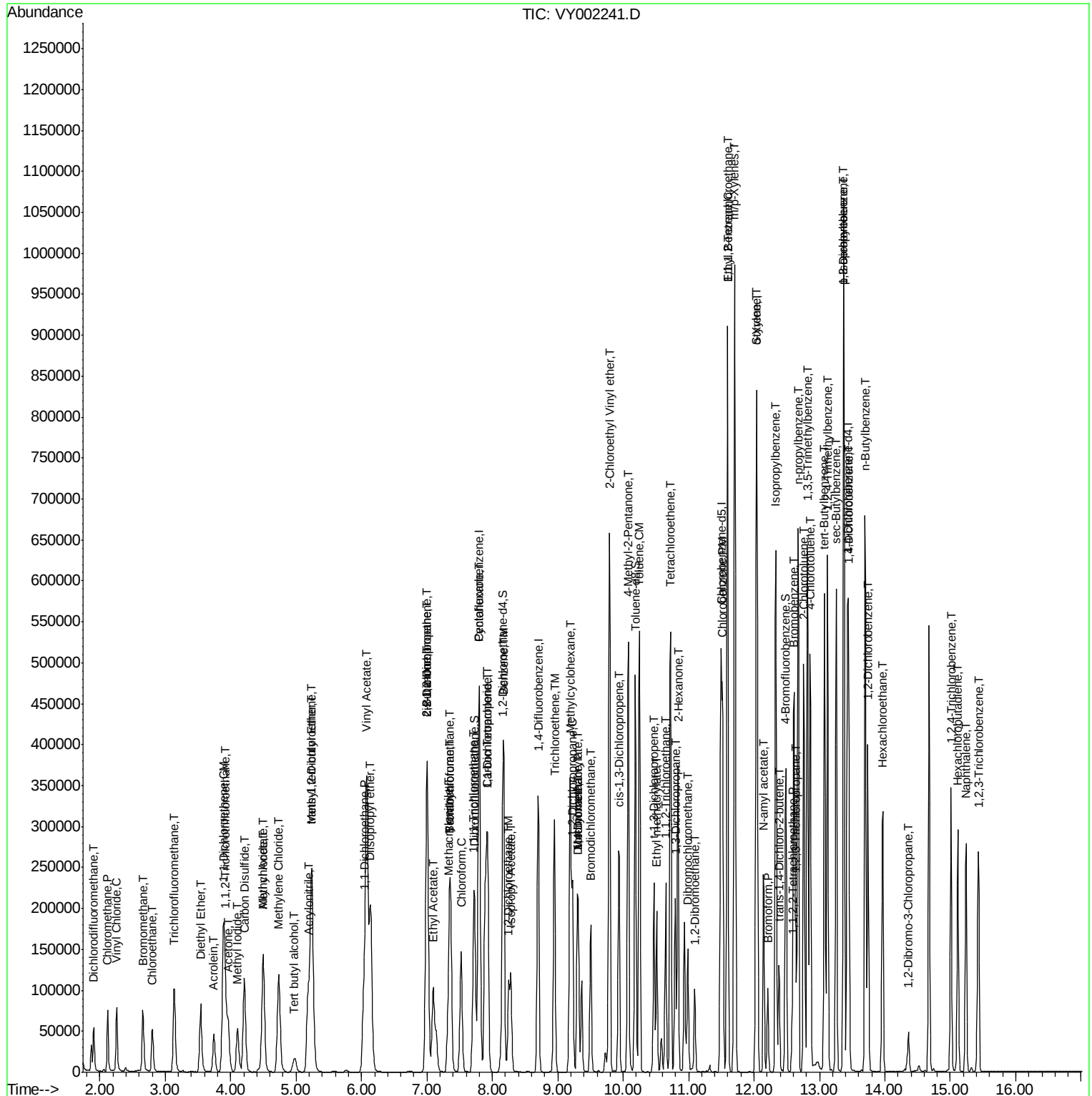
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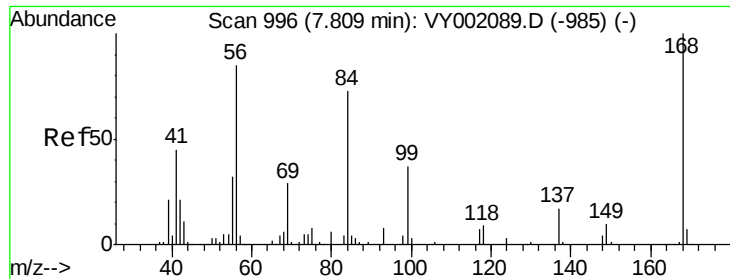
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159788

Ion Ratio Lower Upper

168 100

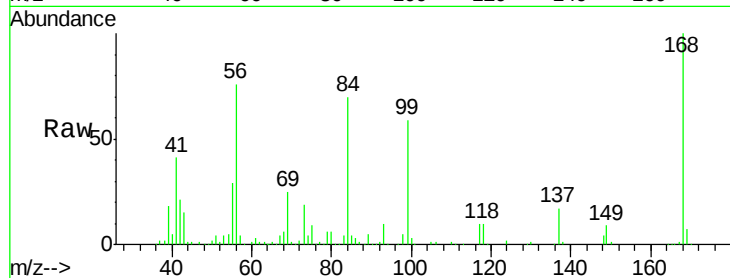
99 59.5 47.6 71.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002241.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002241.D (-947) (-)

7.80

60000

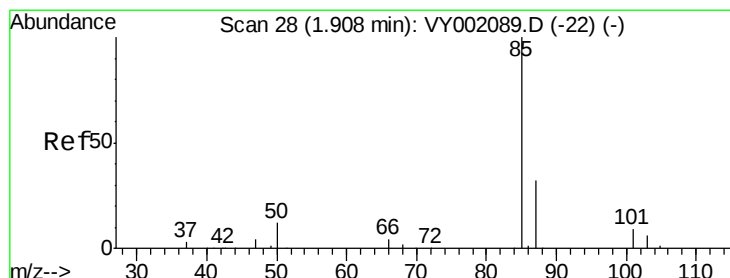
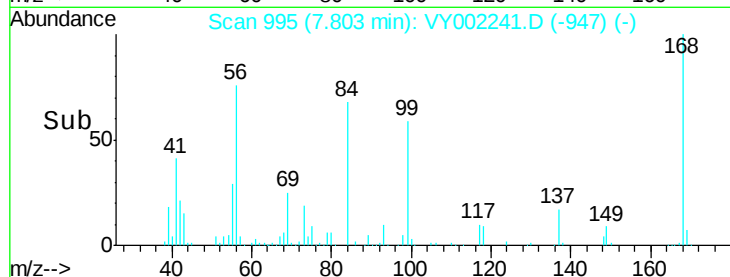
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 39.439 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002241.D

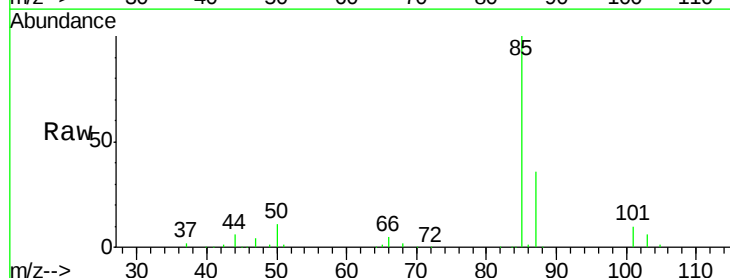
Acq: 06 Apr 2020 16:45

Tgt Ion: 85 Resp: 42151

Ion Ratio Lower Upper

85 100

87 36.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002241.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002241.D (-1) (-)

1.91

30000

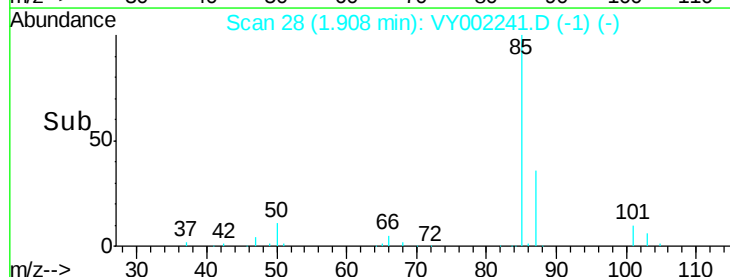
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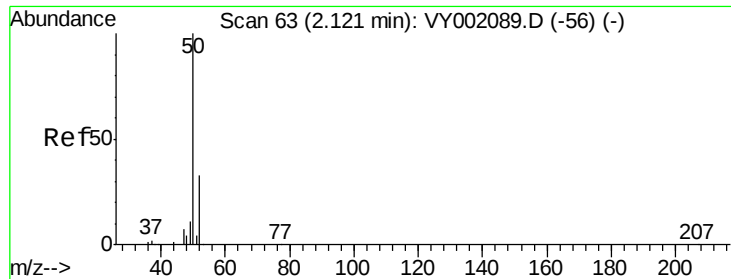
10000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 37.909 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tot Ion: 50 Resp: 70789

Ion Ratio Lower Upper

50 100

52 31.6 26.1 39.1

Instrument :

MSVOA_Y

ClientSampleId :

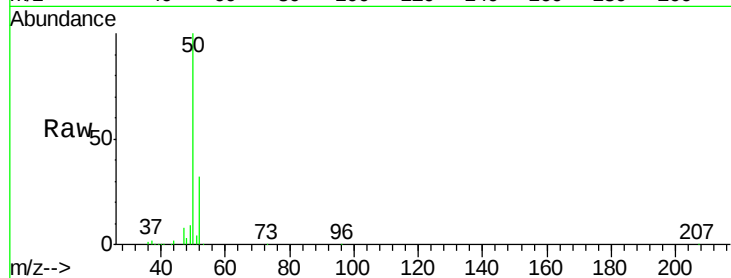
VSTDCCC050EC

Manual Integrations

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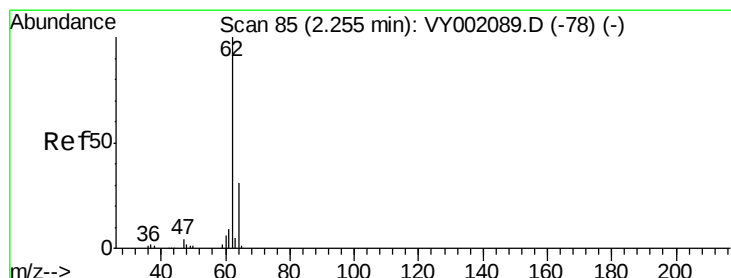
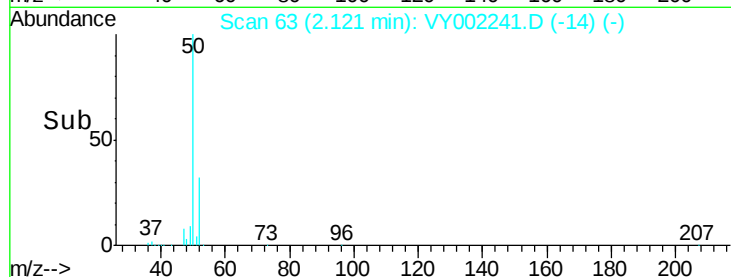
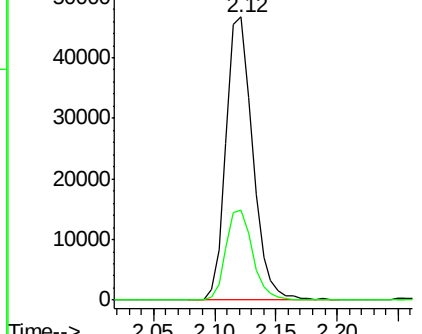
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 39.602 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002241.D

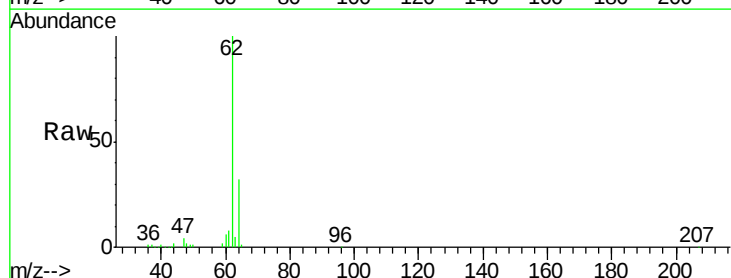
Acq: 06 Apr 2020 16:45

Tgt Ion: 62 Resp: 75211

Ion Ratio Lower Upper

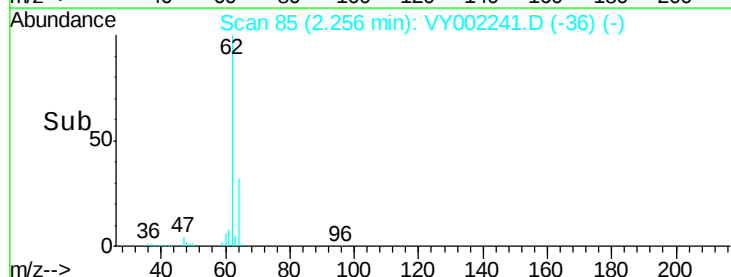
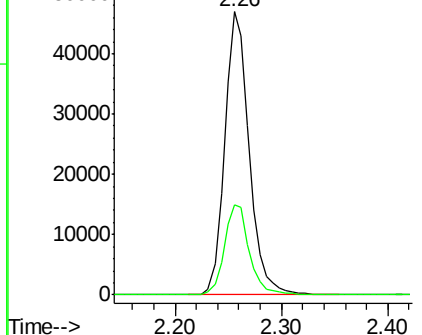
62 100

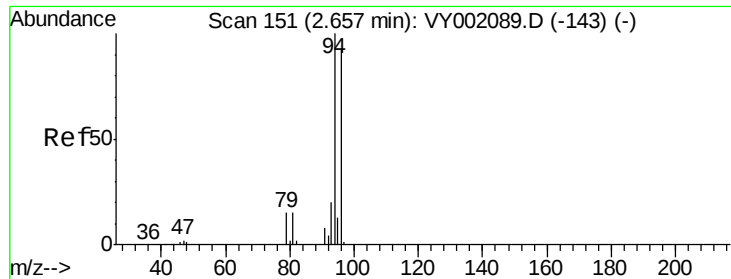
64 31.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 42.901 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53171

Ion Ratio Lower Upper

94 100

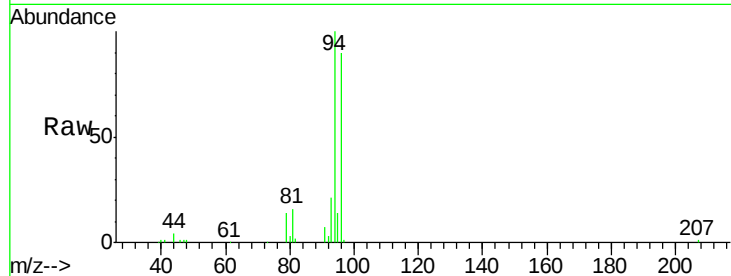
96 89.9 74.1 111.1

Manual Integrations

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4/7/2020 7:06:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

30000

25000

20000

15000

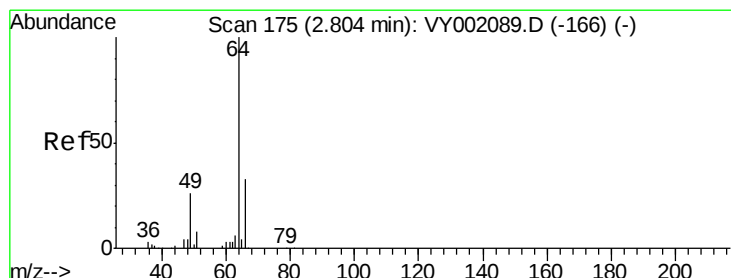
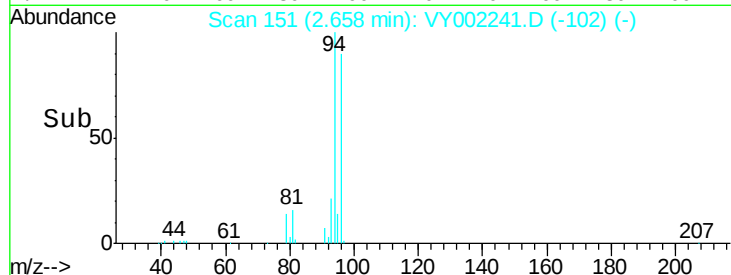
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5000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 42.044 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.00 min

Lab File: VY002241.D

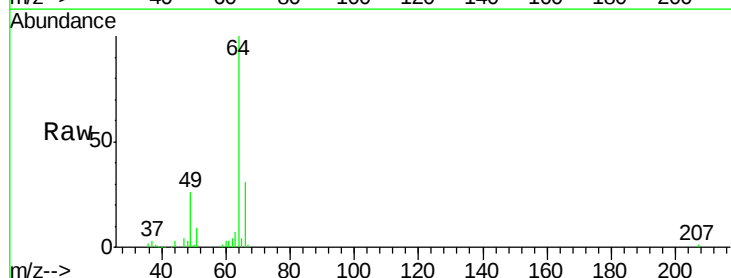
Acq: 06 Apr 2020 16:45

Tgt Ion: 64 Resp: 51271

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

30000

25000

20000

15000

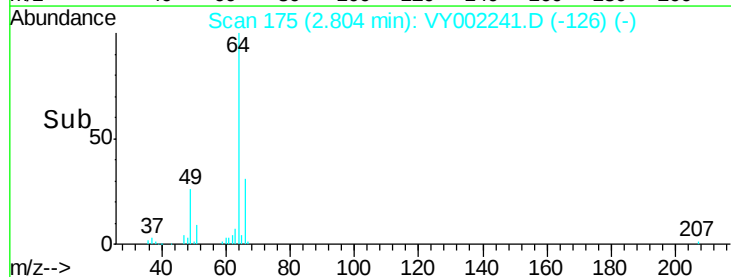
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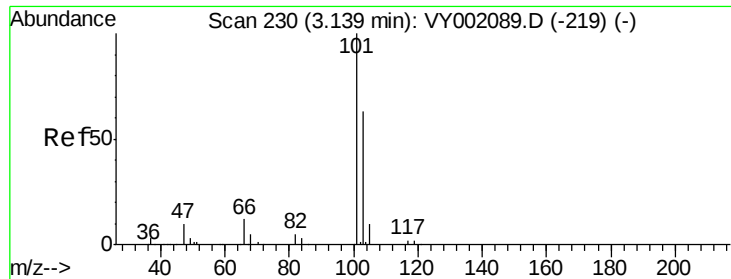
5000

0

Time-->

2.70 2.80 2.90





#7

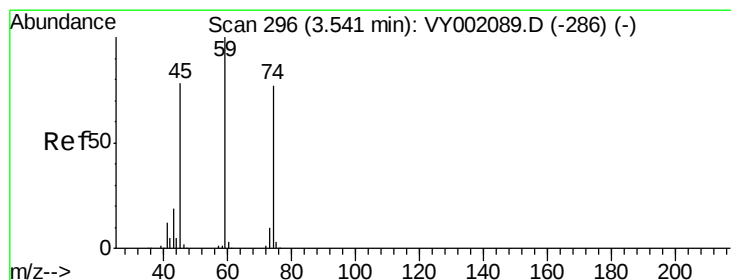
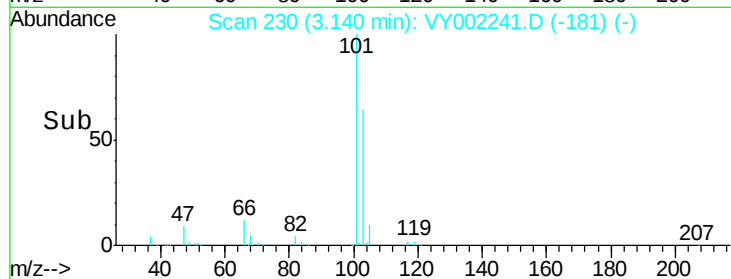
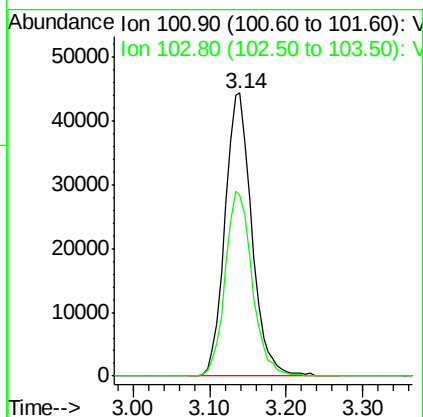
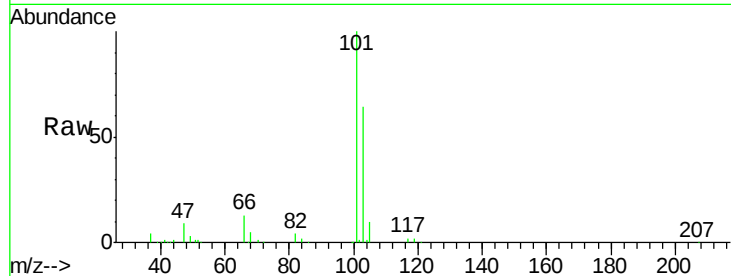
Trichlorofluoromethane
 Concen: 41.365 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.6	76.0

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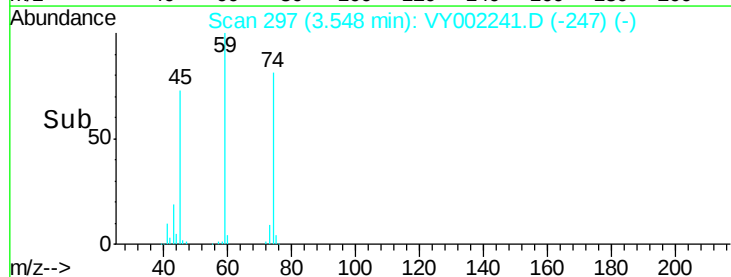
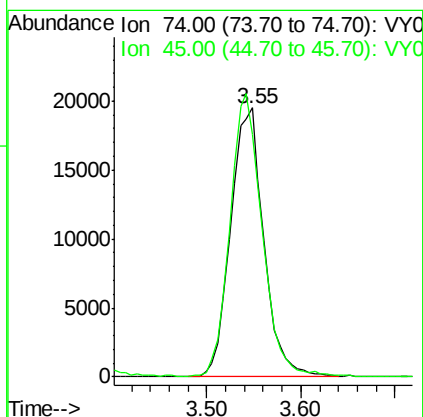
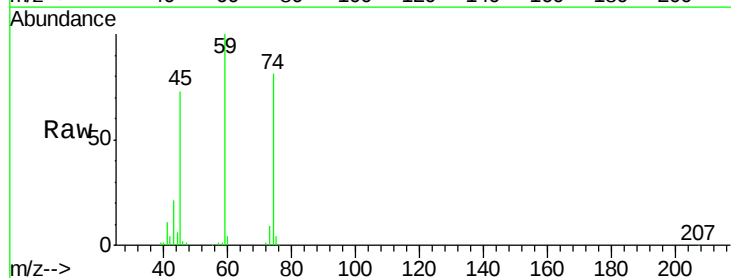
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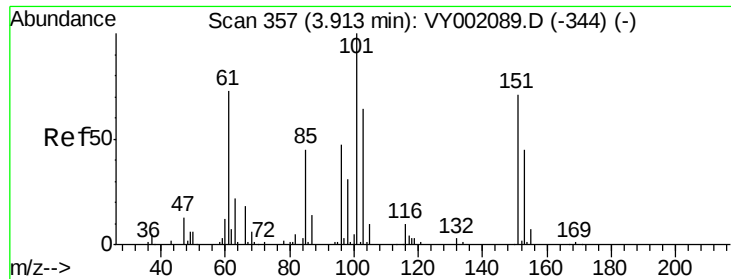


#8

Diethyl Ether
 Concen: 43.258 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002241.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.164 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

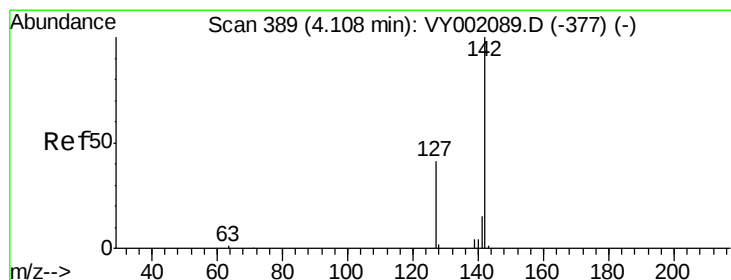
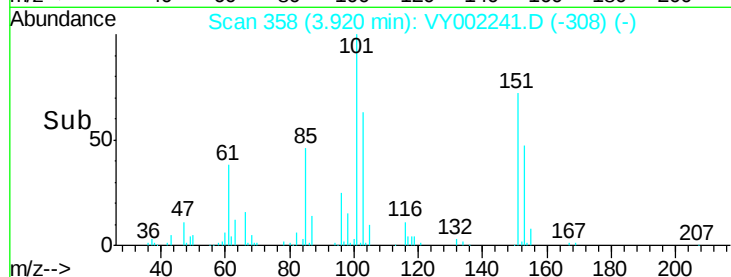
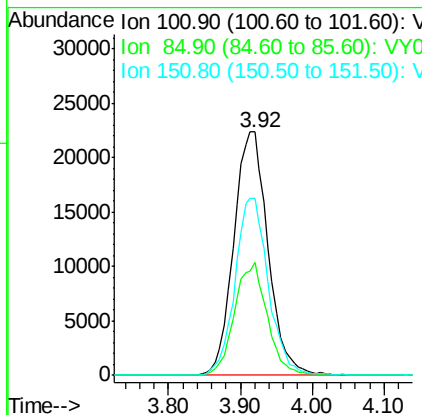
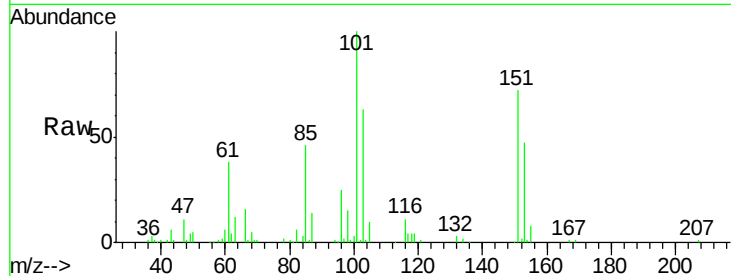
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	73702
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.9	53.9
151	71.0	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 43.313 ug/l

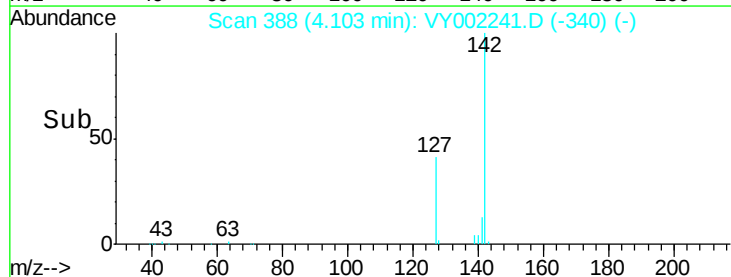
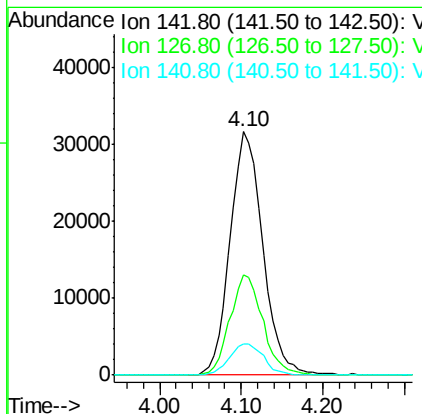
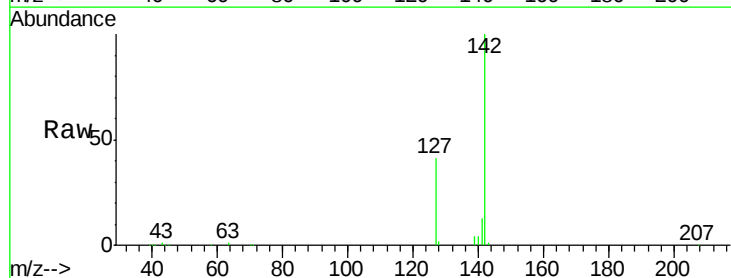
RT: 4.10 min Scan# 388

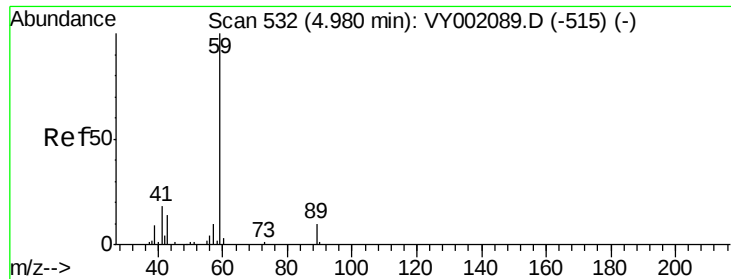
Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	142	Resp:	87941
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.6	49.0
141	13.5	11.4	17.0





#11

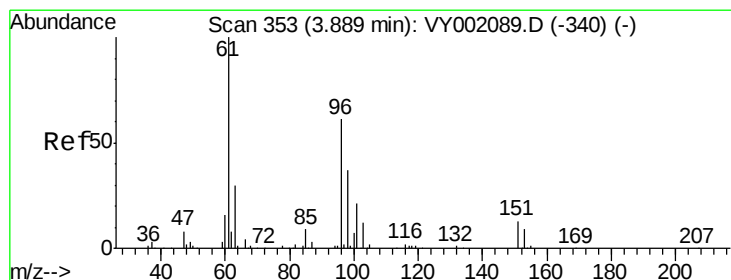
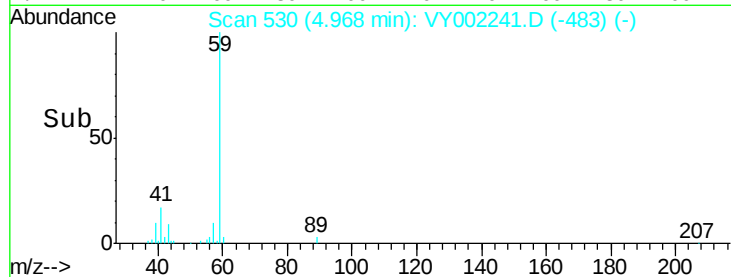
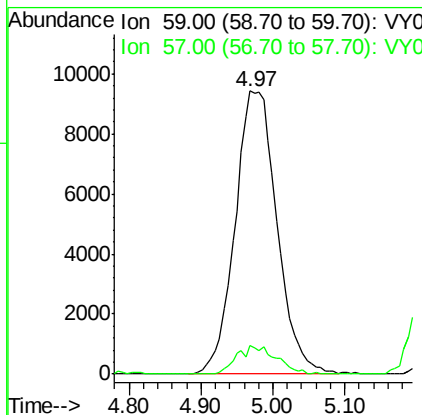
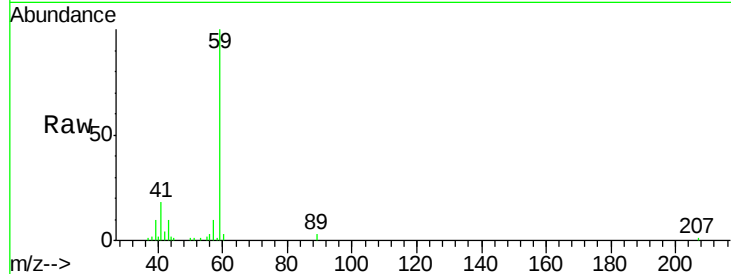
Tert butyl alcohol
 Concen: 182.753 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.7	11.5

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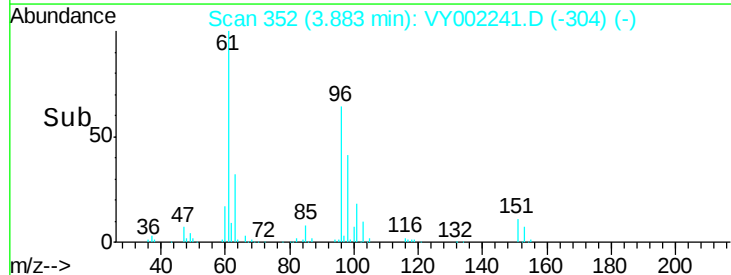
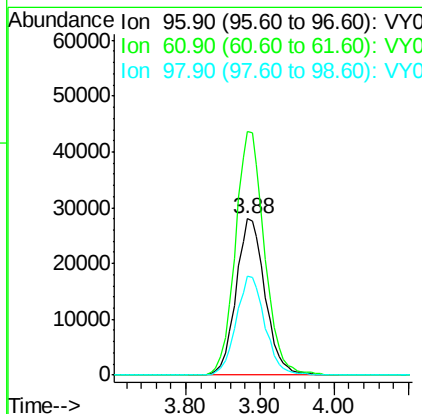
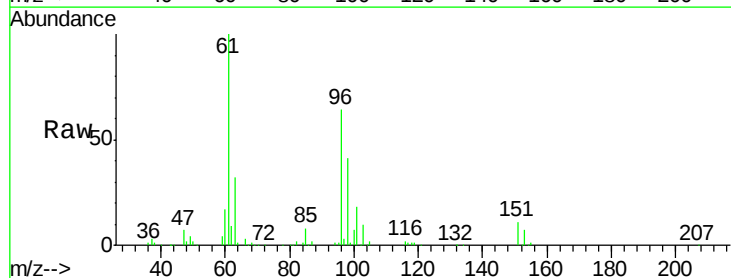
MMDadoda
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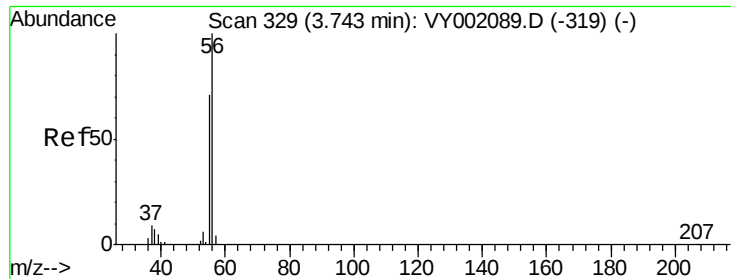


#12

1,1-Dichloroethene
 Concen: 44.177 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	132.0	198.0
98	63.5	49.4	74.0





#13

Acrolein

Concen: 218.100 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56743

Ion Ratio Lower Upper

56 100

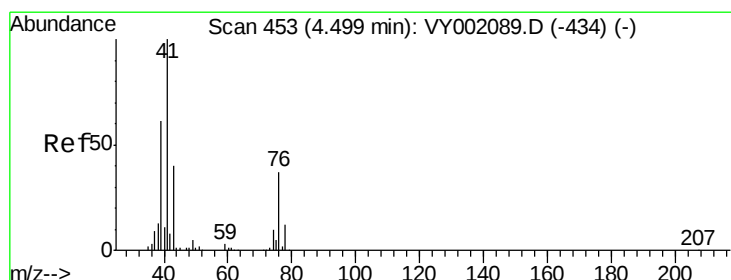
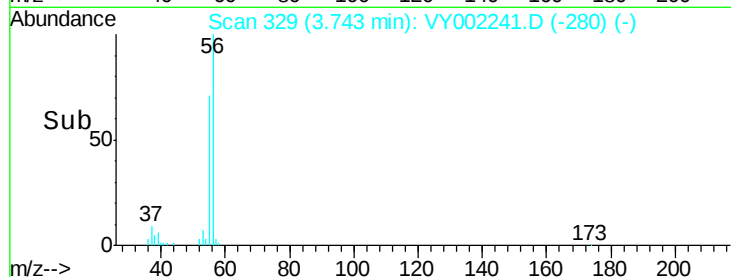
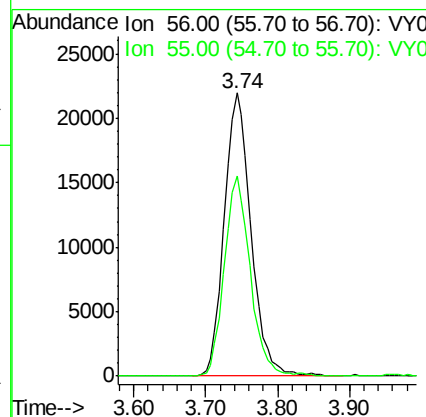
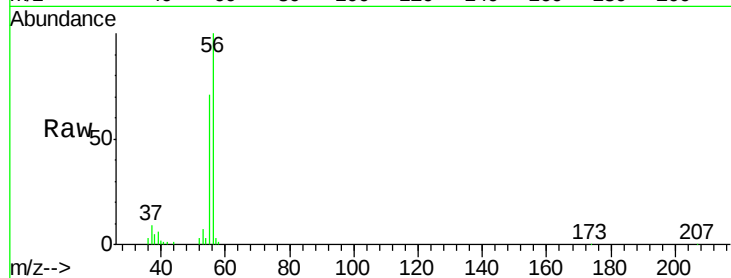
55 68.5 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 42.189 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

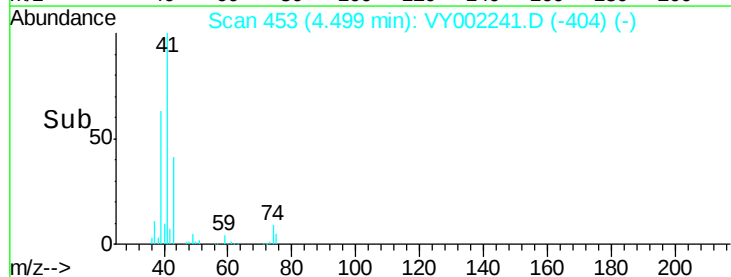
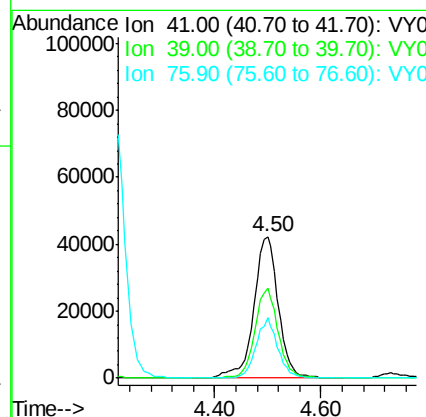
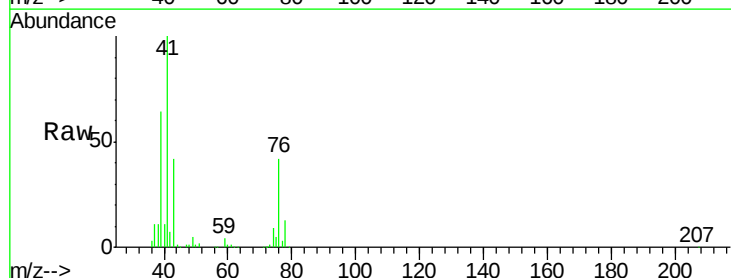
Tgt Ion: 41 Resp: 133910

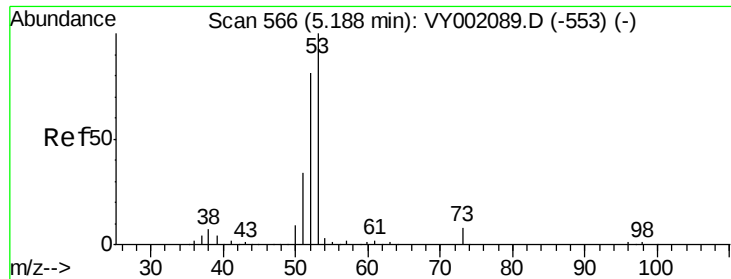
Ion Ratio Lower Upper

41 100

39 60.3 49.0 73.4

76 37.3 27.8 41.8





#15

Acrylonitrile

Concen: 221.413 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

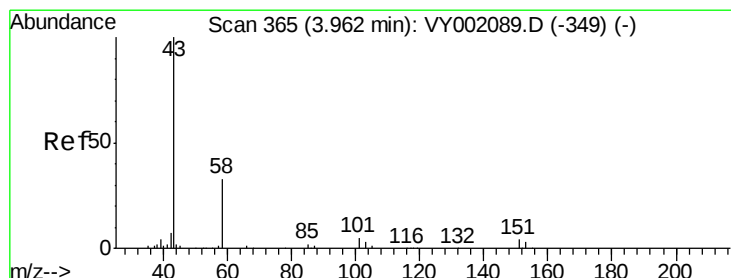
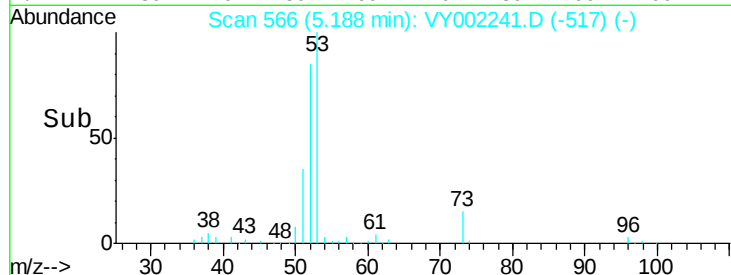
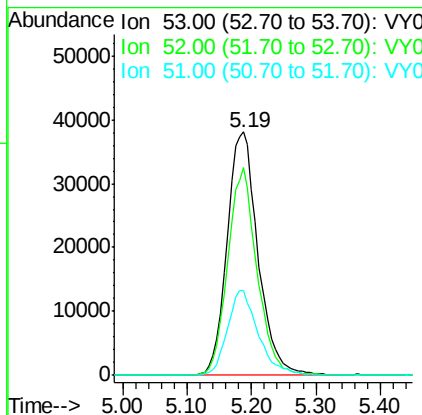
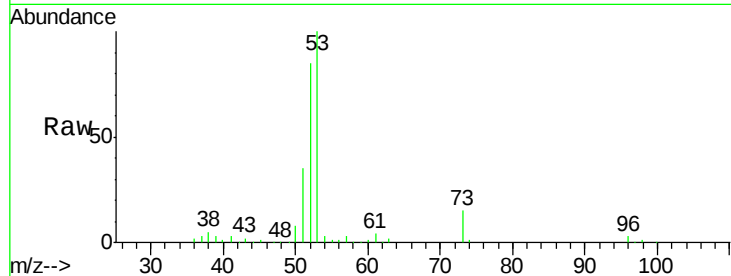
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	127923
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.6	97.0
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 179.960 ug/l

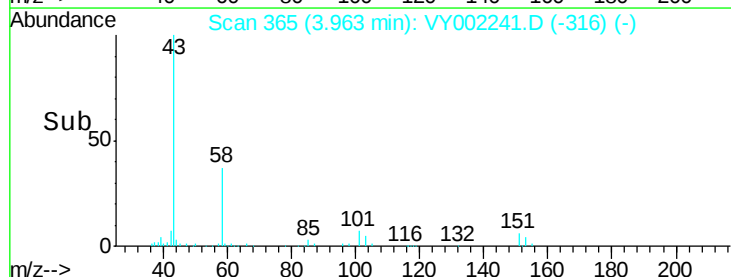
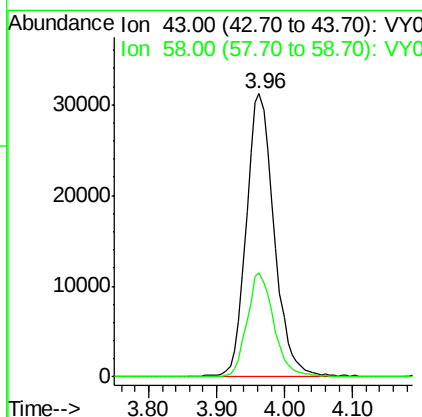
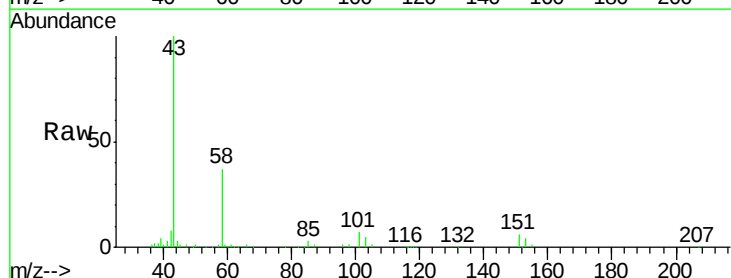
RT: 3.96 min Scan# 365

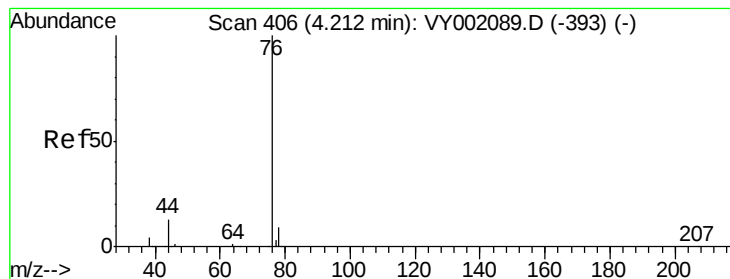
Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	43	Resp:	89309
Ion	Ratio	Lower	Upper
43	100		
58	36.4	26.3	39.5





#17

Carbon Disulfide

Concen: 41.326 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 237790

Ion Ratio Lower Upper

76 100

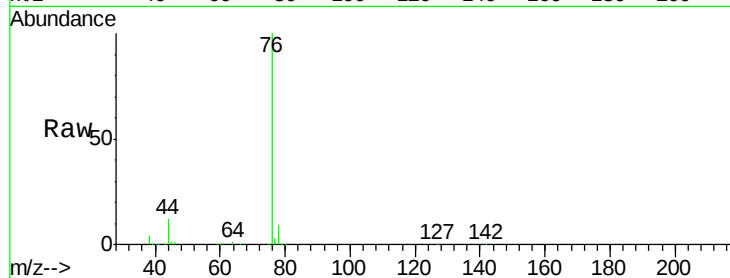
78 9.1 7.3 10.9

Manual Integrations

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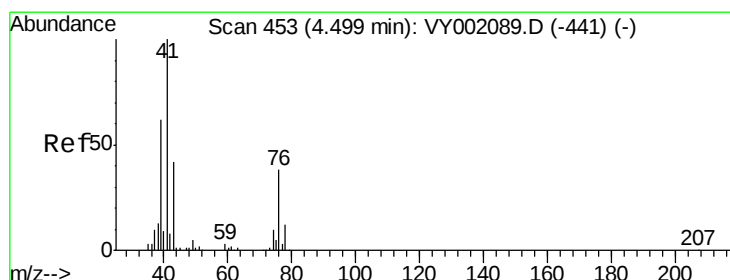
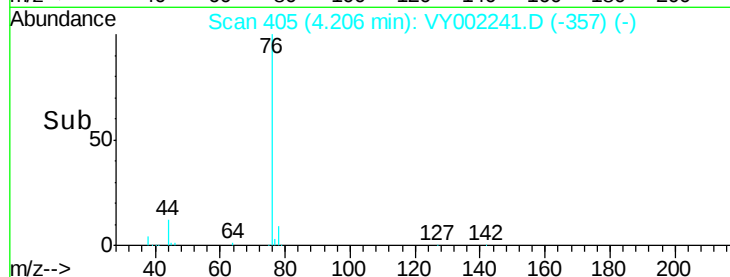
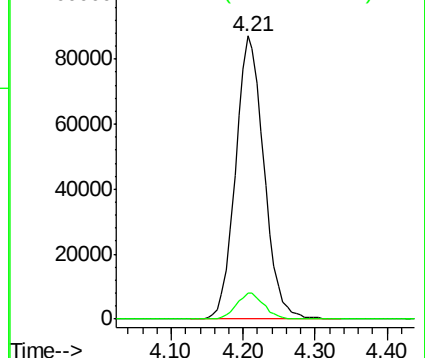
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 42.270 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.00 min

Lab File: VY002241.D

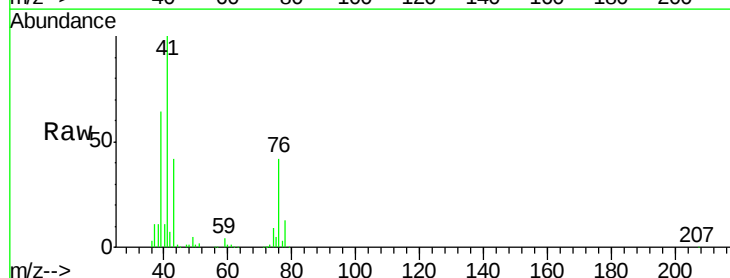
Acq: 06 Apr 2020 16:45

Tgt Ion: 43 Resp: 54473

Ion Ratio Lower Upper

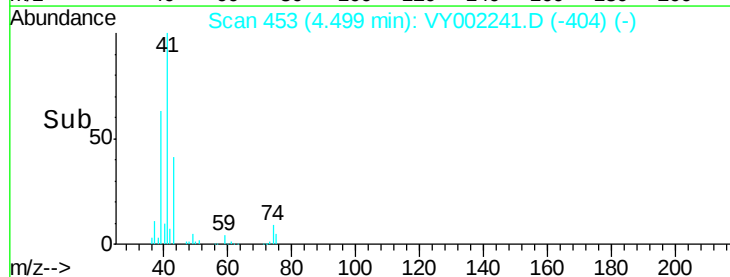
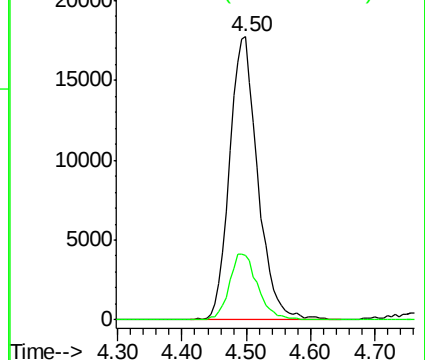
43 100

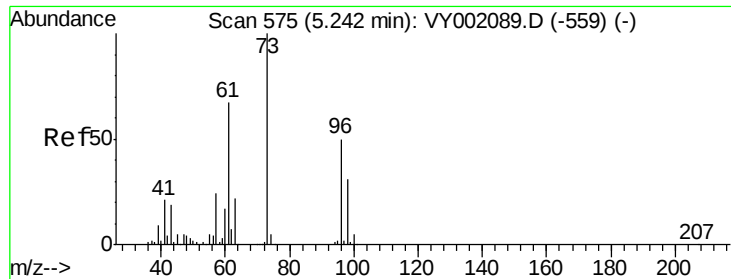
74 23.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





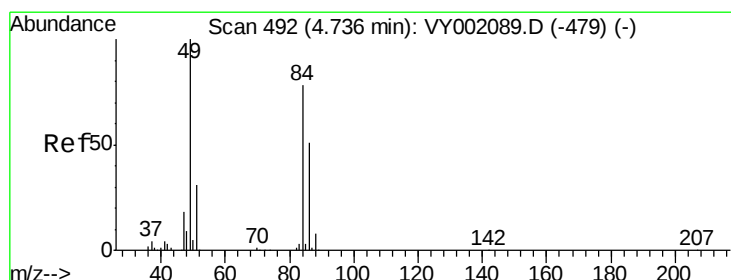
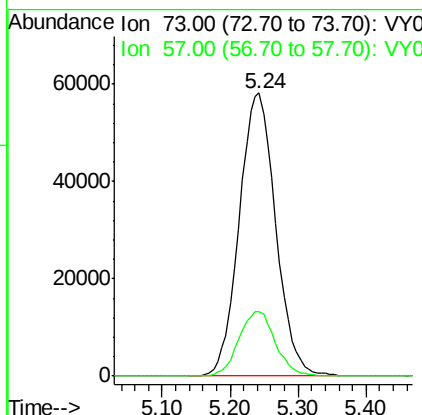
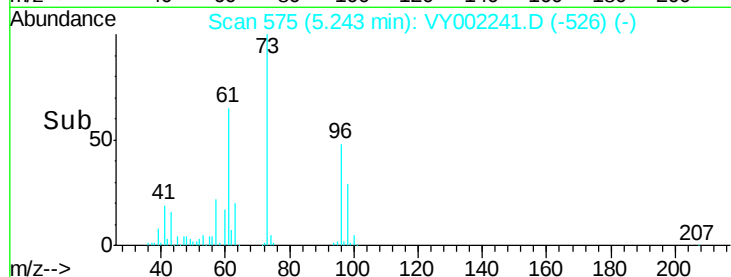
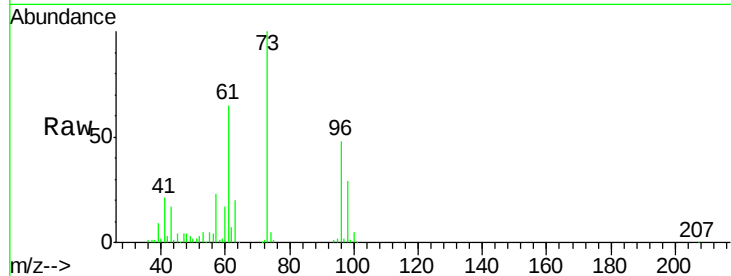
#19
Methvl tert-butvl Ether
Concen: 44.929 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 217315
Ion Ratio Lower Upper
73 100
57 22.9 19.0 28.6

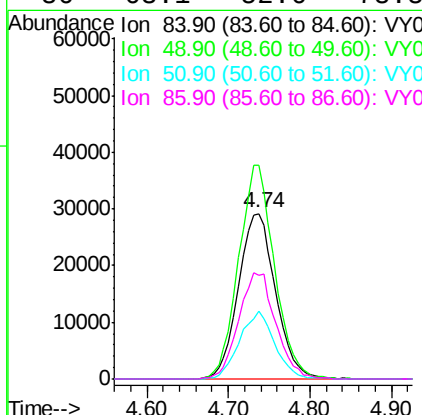
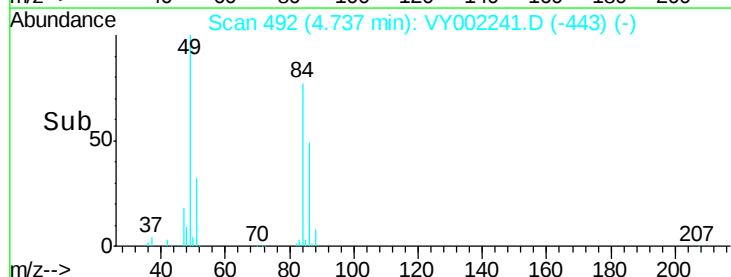
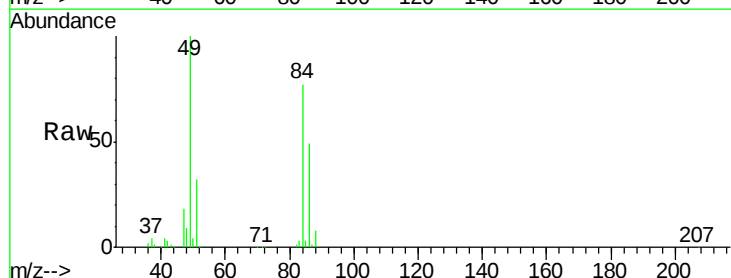
Manual Integrations
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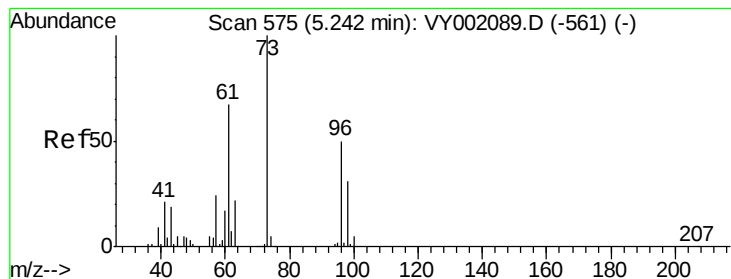
MMDadoda
4/7/2020 7:06:28 PM



#20
Methylene Chloride
Concen: 44.237 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion: 84 Resp: 92105
Ion Ratio Lower Upper
84 100
49 129.3 102.2 153.4
51 40.9 31.2 46.8
86 63.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 44.022 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

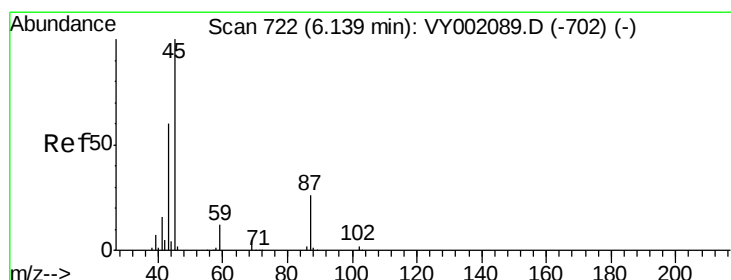
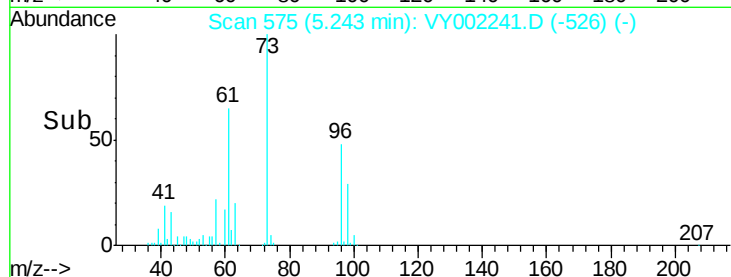
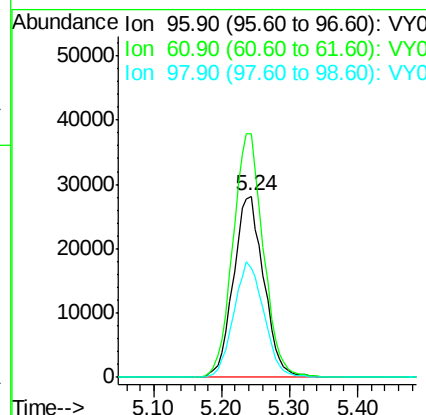
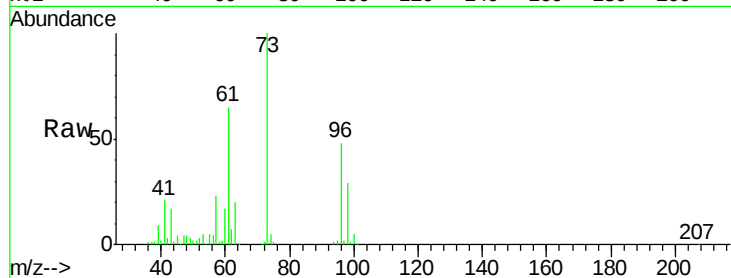
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	86905
Ion	Ratio	Lower	Upper
96	100		
61	134.5	107.7	161.5
98	60.4	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.129 ug/l

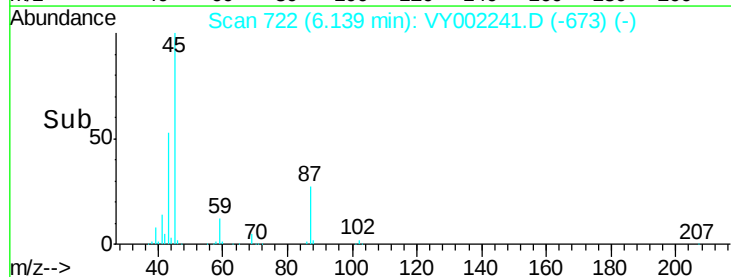
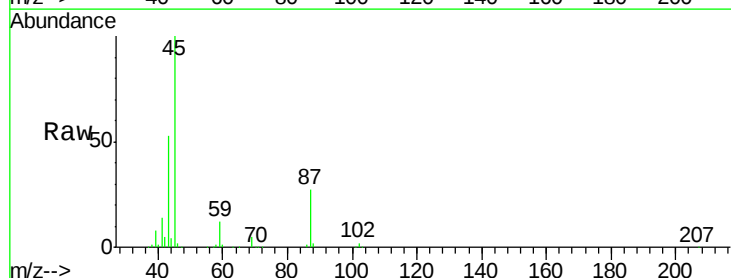
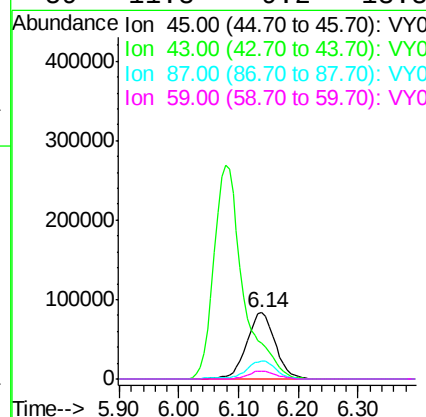
RT: 6.14 min Scan# 722

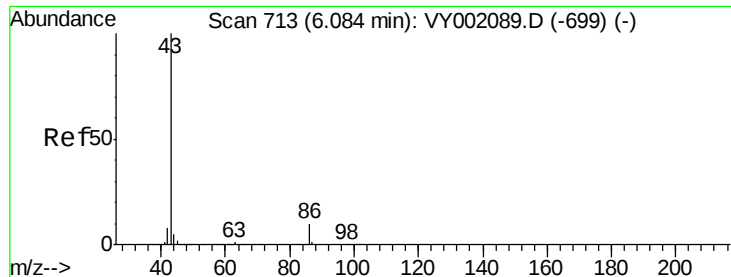
Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	45	Resp:	280154
Ion	Ratio	Lower	Upper
45	100		
43	52.8	48.1	72.1
87	27.3	21.1	31.7
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 213.658 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 910064

Ion Ratio Lower Upper

43 100

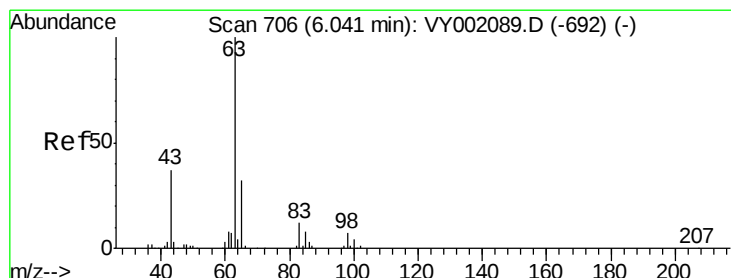
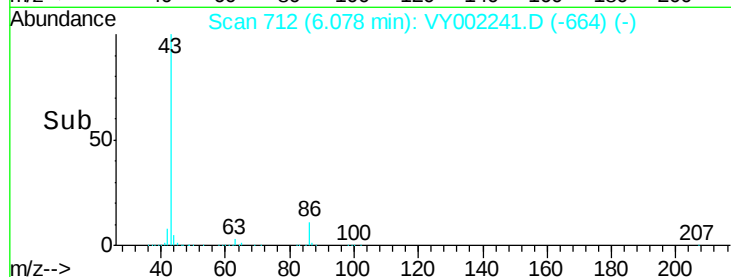
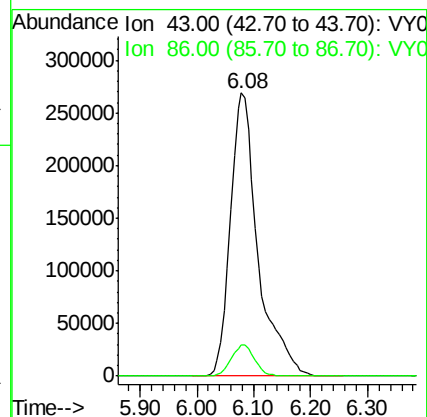
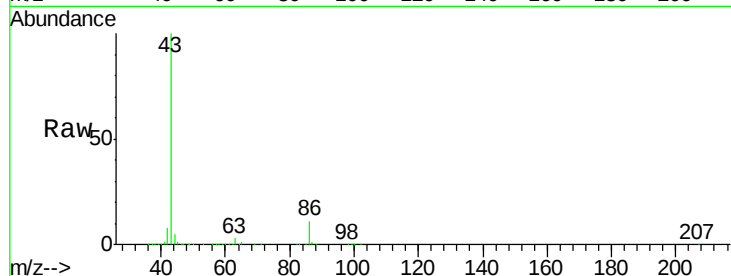
86 11.0 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.303 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

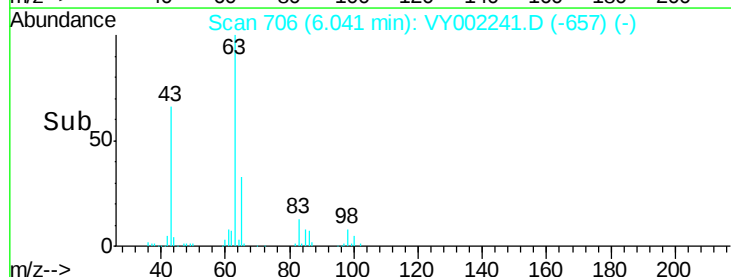
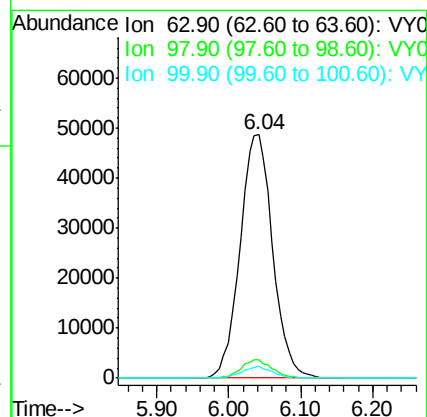
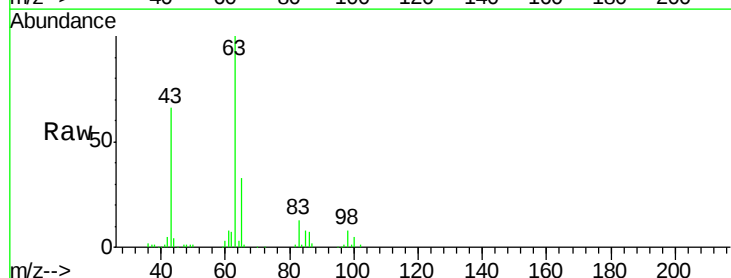
Tgt Ion: 63 Resp: 153009

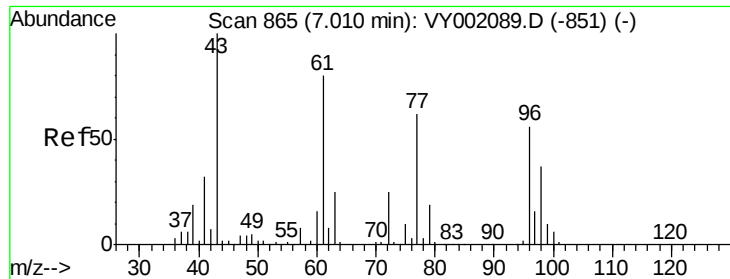
Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.9

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 201.342 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 153428

Ion Ratio Lower Upper

43 100

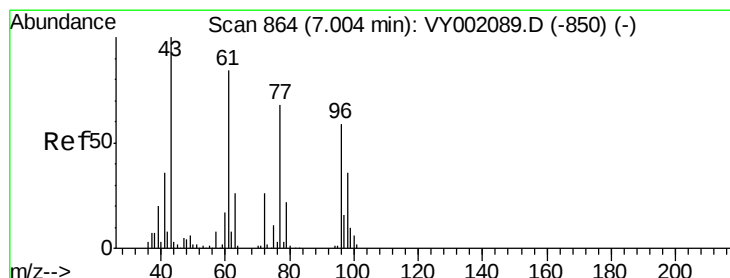
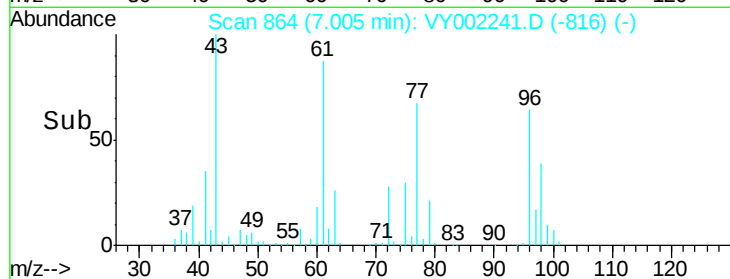
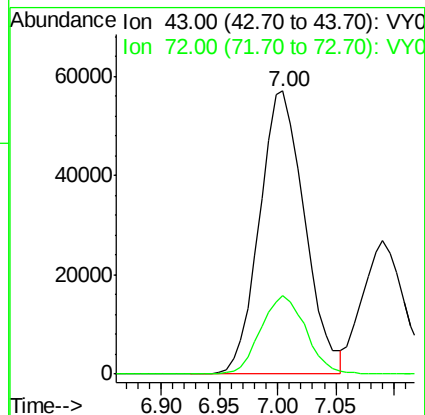
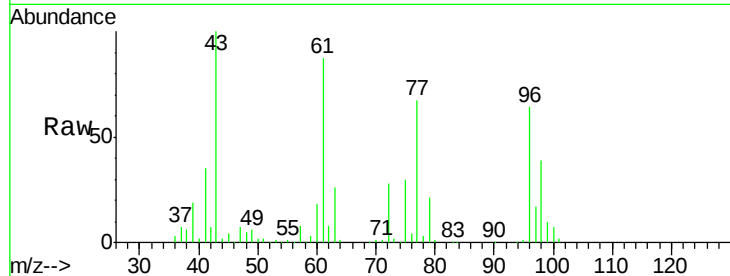
72 27.9 20.2 30.2

Manual Integrations

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4/7/2020 7:06:28 PM



#26

2,2-Dichloropropane

Concen: 43.190 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002241.D

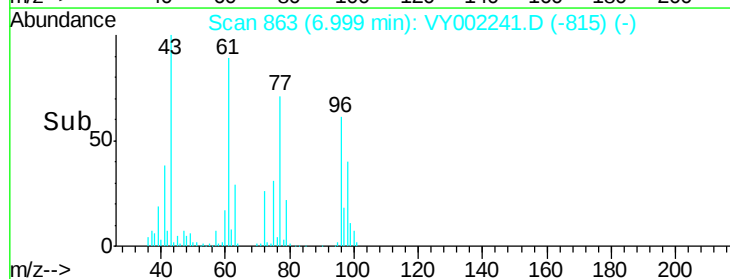
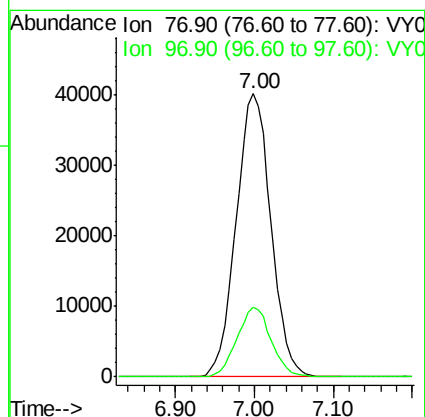
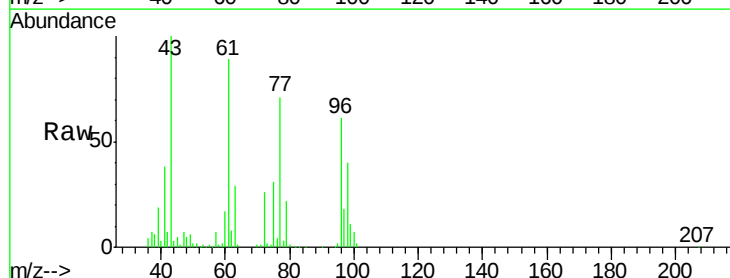
Acq: 06 Apr 2020 16:45

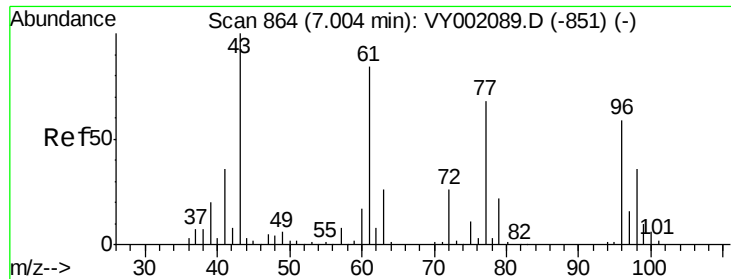
Tgt Ion: 77 Resp: 122852

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.1





#27

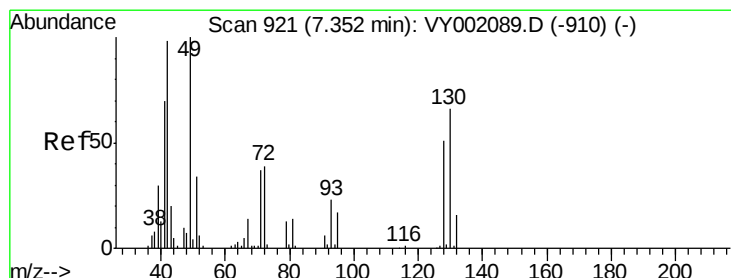
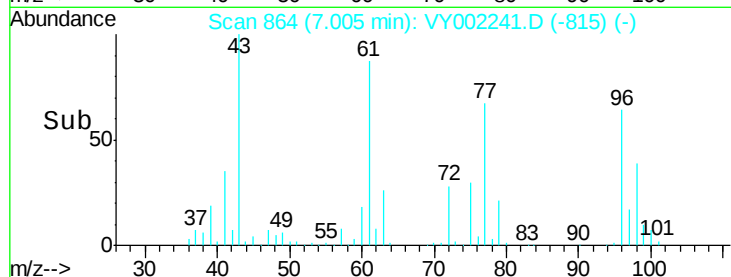
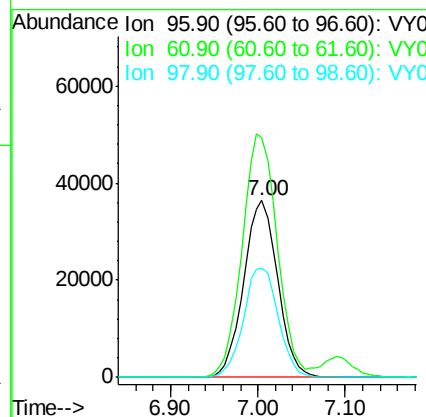
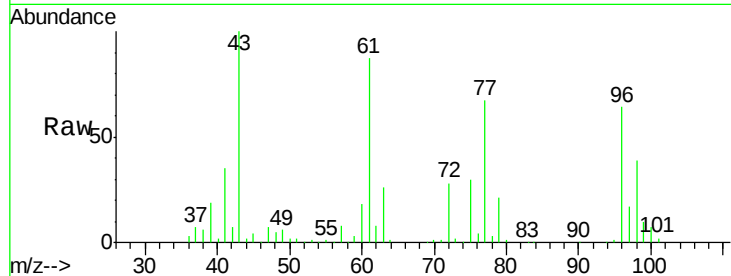
cis-1,2-Dichloroethene
Concen: 45.314 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	290.6
98	63.5	0.0	128.0

Manual Integrations
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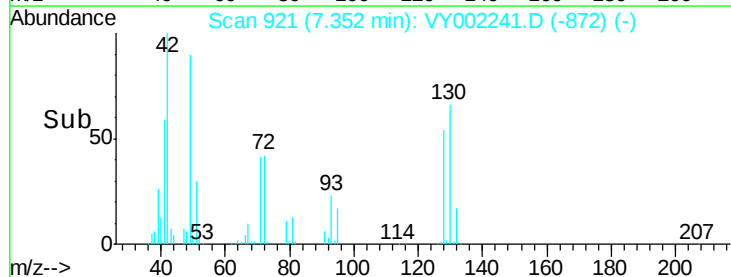
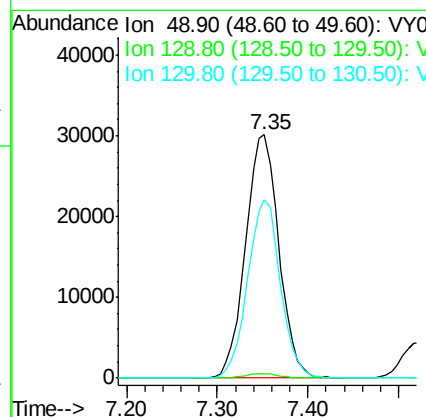
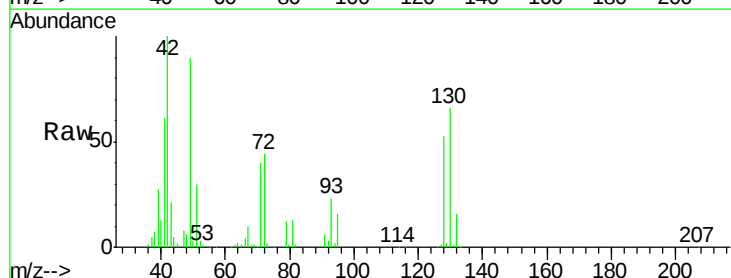
MMDadoda
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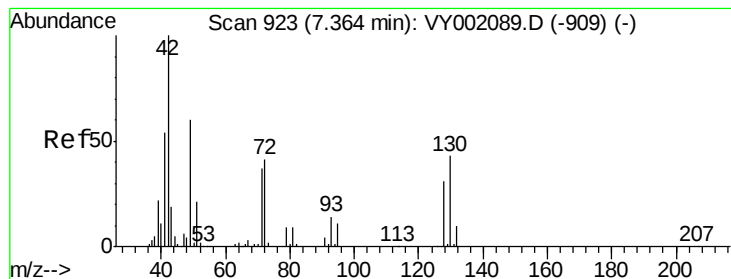


#28

Bromochloromethane
Concen: 48.607 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	72.1	54.1	81.1





#29

Tetrahydrofuran

Concen: 208.956 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

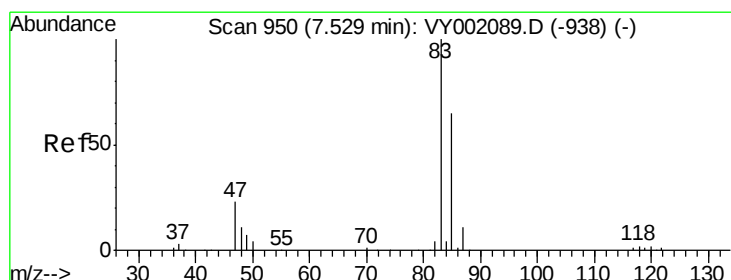
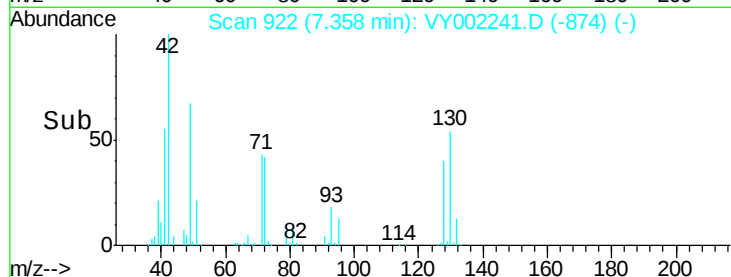
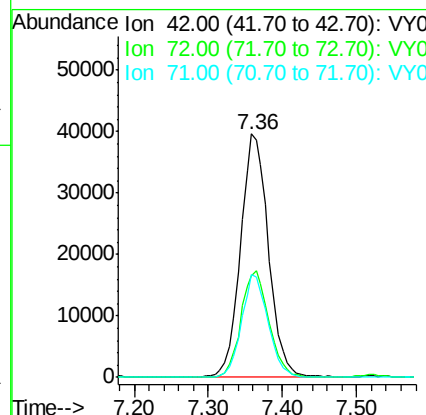
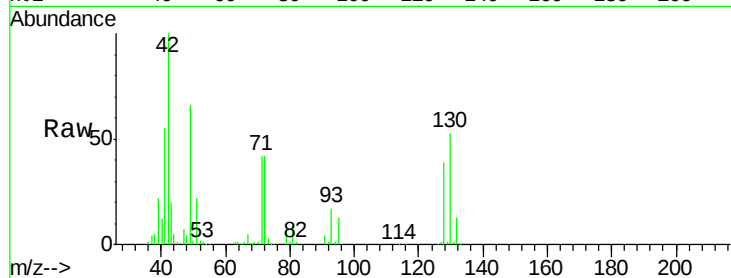
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	104397
Ion Ratio		Lower	Upper
42	100		
72	43.4	33.0	49.4
71	40.1	31.2	46.8

Manual Integrations
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#30

Chloroform

Concen: 44.339 ug/l

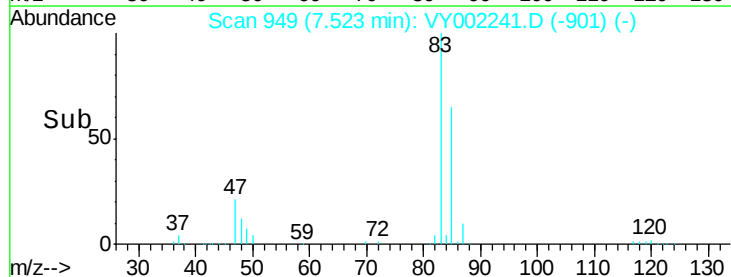
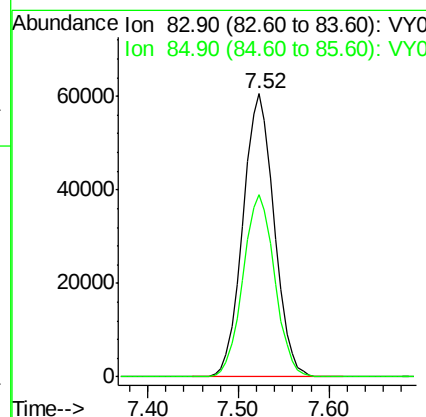
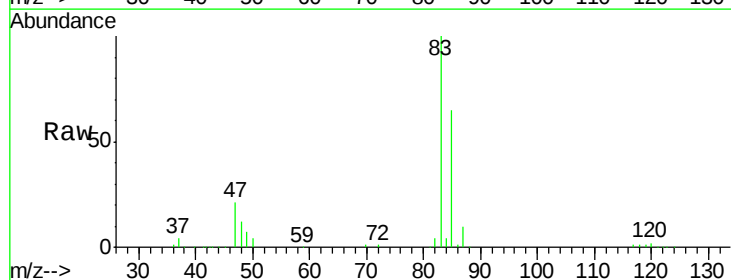
RT: 7.52 min Scan# 949

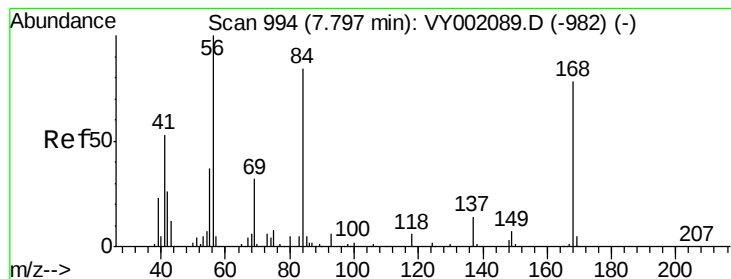
Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	83	Resp:	145148
Ion Ratio		Lower	Upper
83	100		
85	64.5	52.4	78.6





#31

Cyclohexane

Concen: 40.829 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

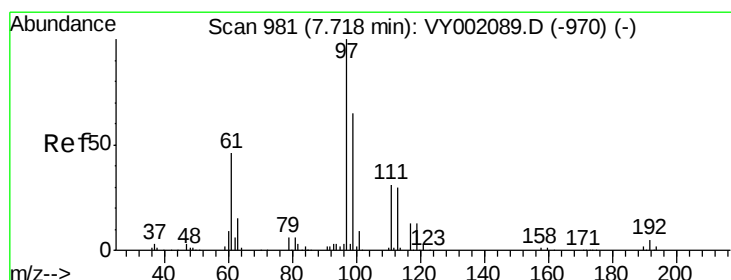
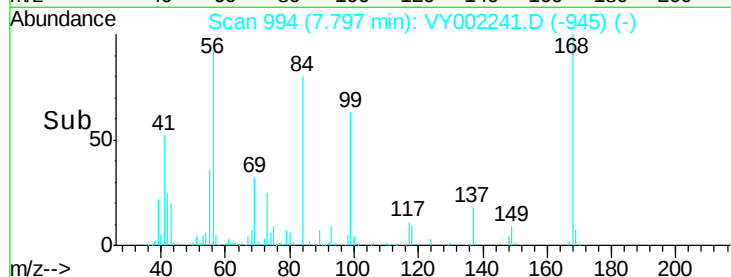
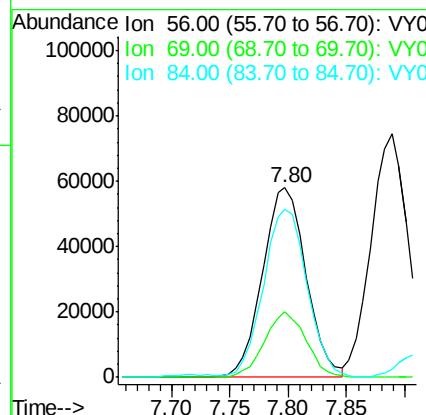
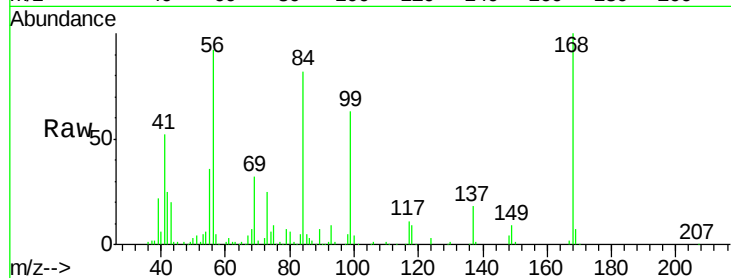
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	150257
Ion Ratio	Lower	Upper	
56	100		
69	34.3	25.8	38.8
84	87.1	67.1	100.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.973 ug/l

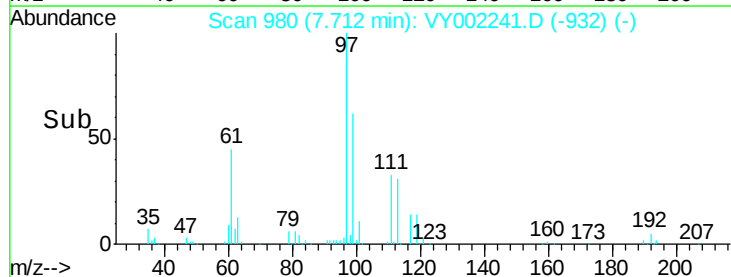
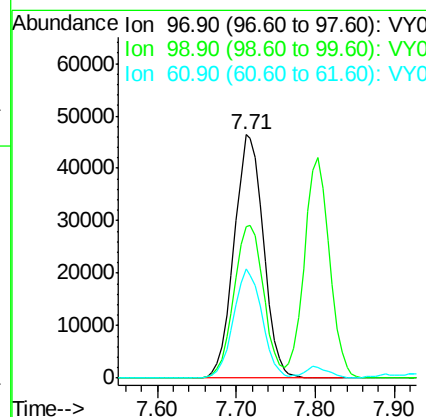
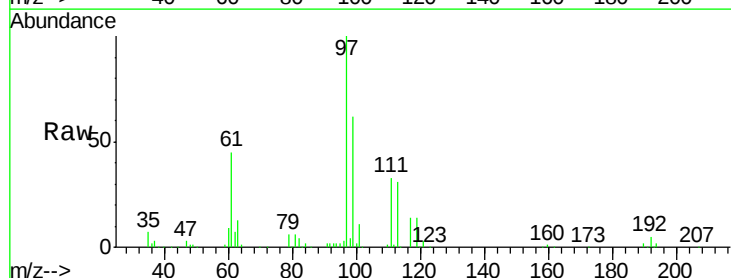
RT: 7.71 min Scan# 980

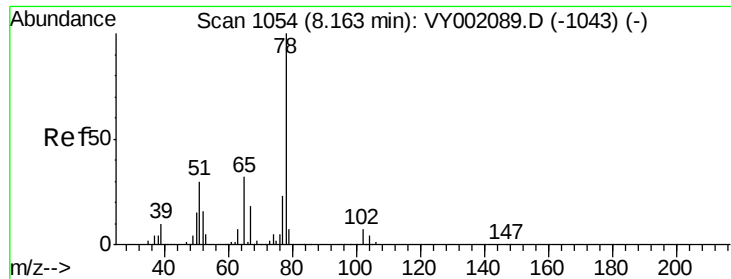
Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	97	Resp:	120189
Ion Ratio	Lower	Upper	
97	100		
99	63.7	52.0	78.0
61	43.7	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 45.591 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 80532

Ion Ratio Lower Upper

65 100

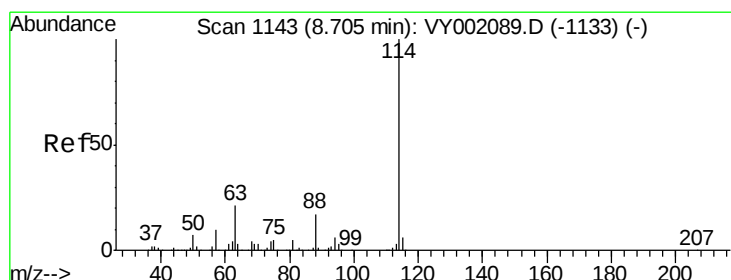
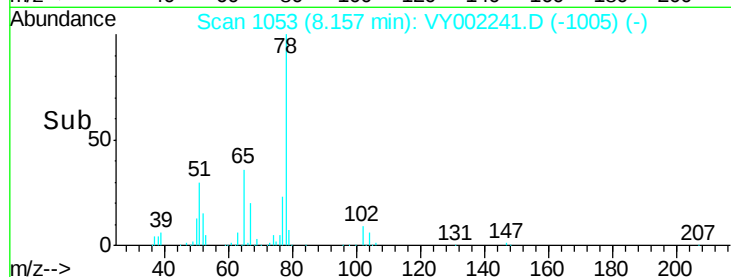
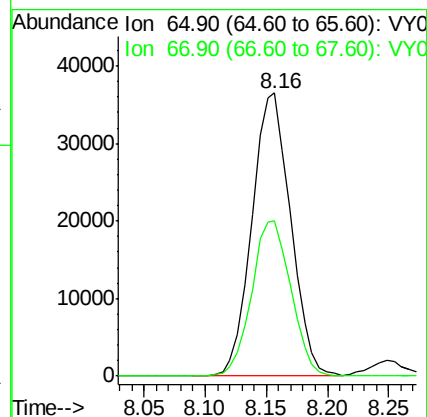
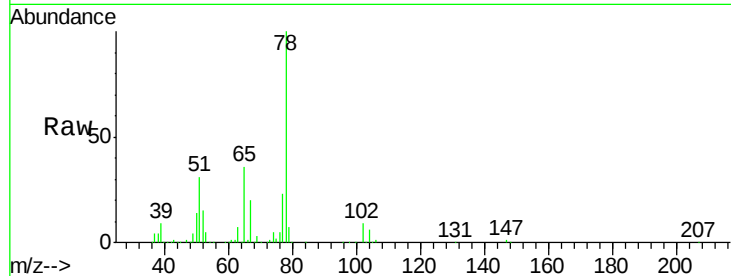
67 55.8 0.0 112.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

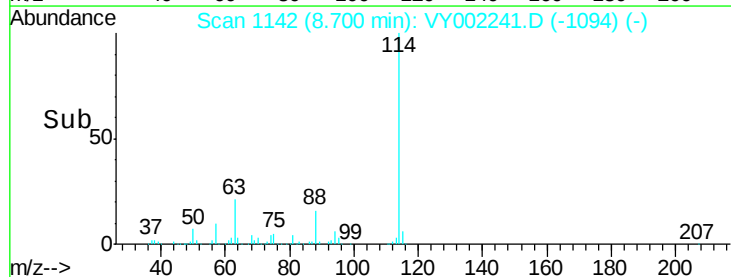
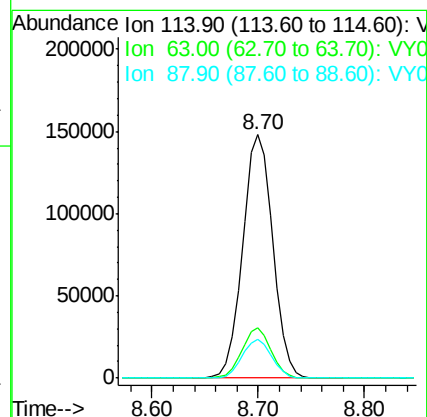
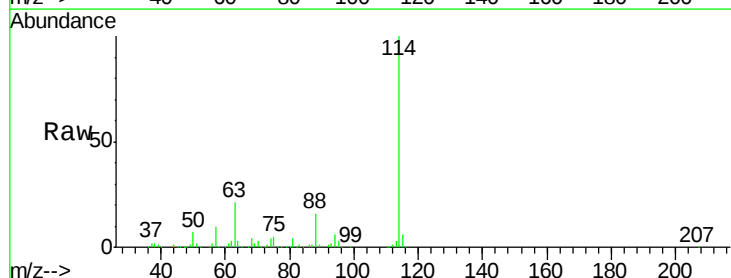
Tgt Ion: 114 Resp: 293947

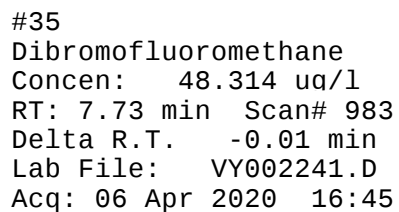
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

88 15.9 0.0 33.0



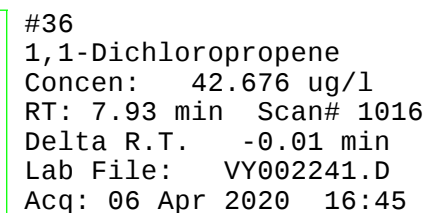
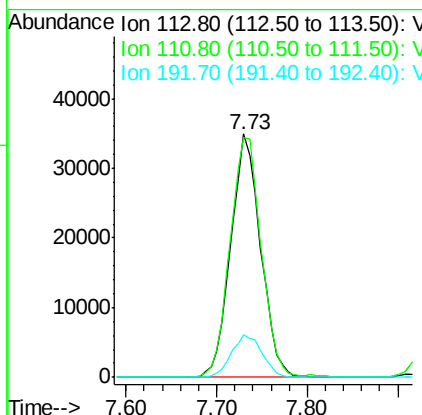


Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

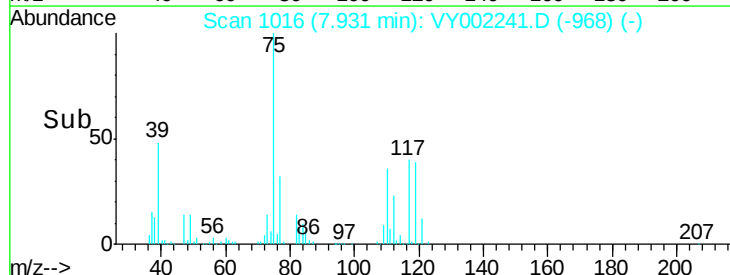
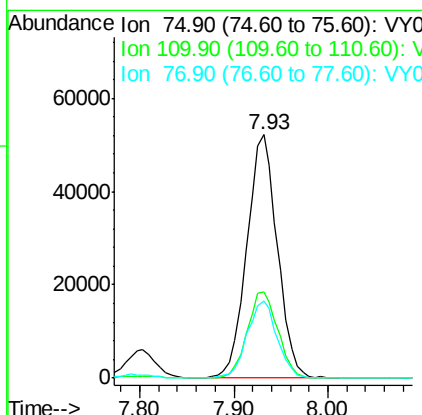
Manual Integrations
APPROVED

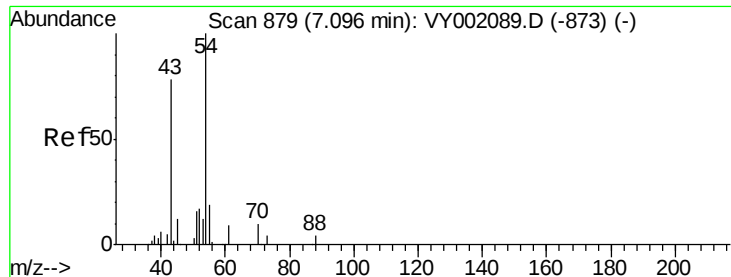
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Tqt	Ion:113	Resp:	79575
Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.4	126.6
192	17.9	14.6	21.8



Tgt	Ion: 75	Resp:	118653
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	31.4	24.7	37.1





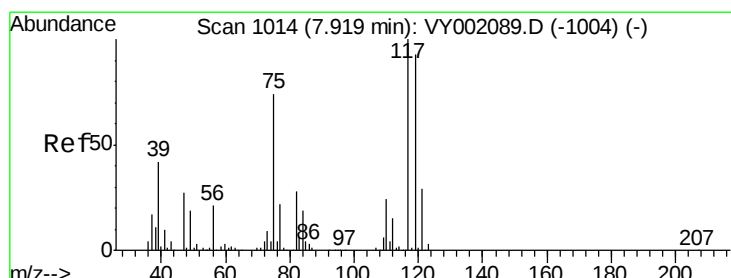
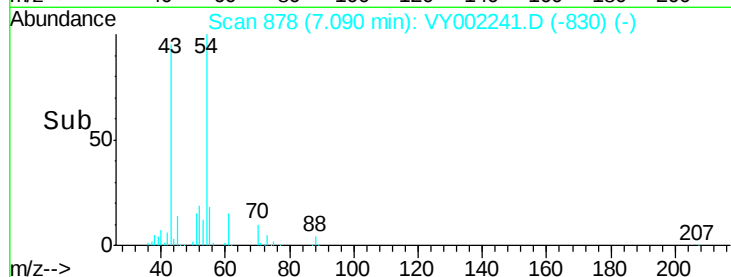
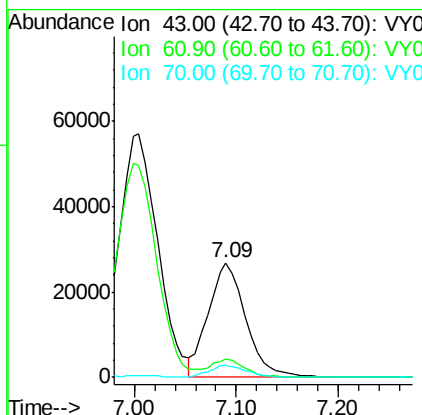
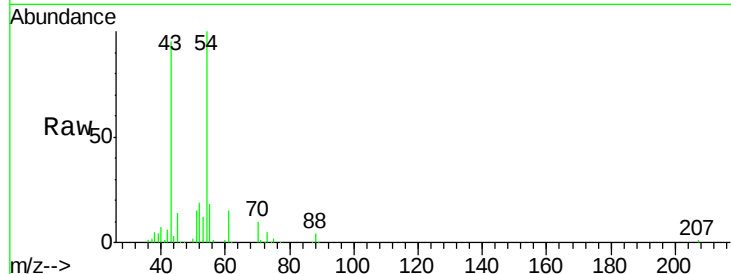
#37
Ethyl Acetate
Concen: 40.772 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.2	16.8
70	10.7	8.2	12.4

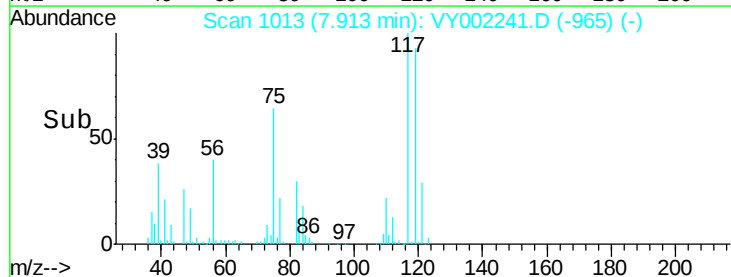
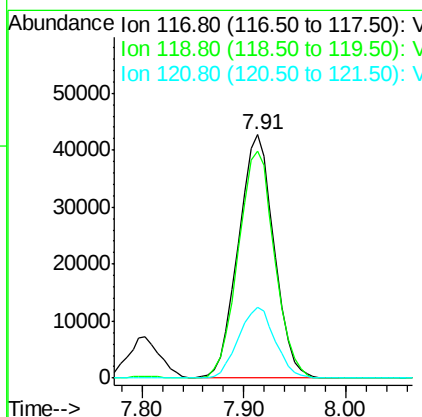
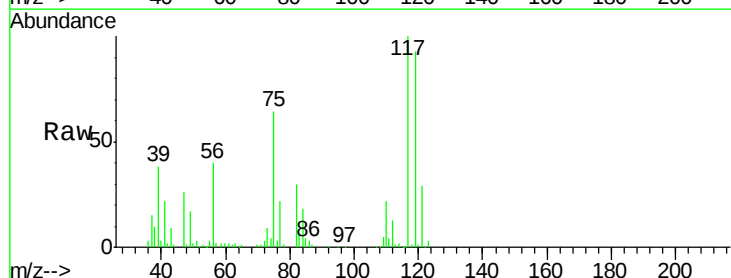
Manual Integrations
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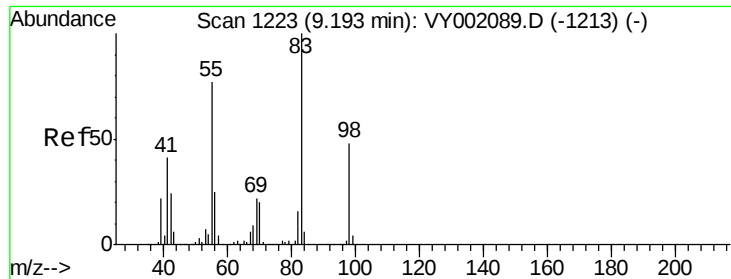
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#38
Carbon Tetrachloride
Concen: 43.988 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.3	111.5
121	28.9	23.3	34.9





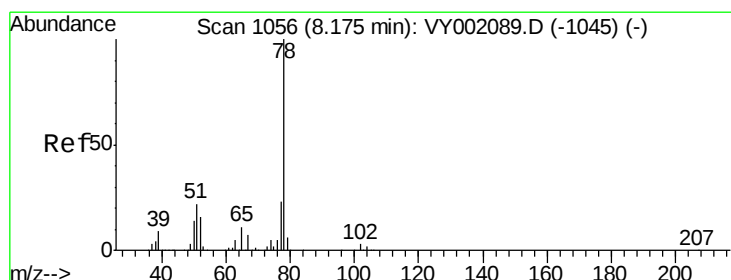
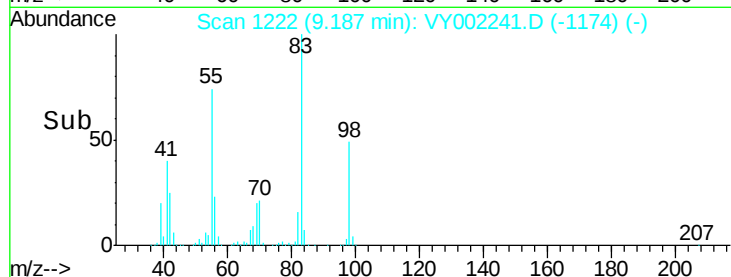
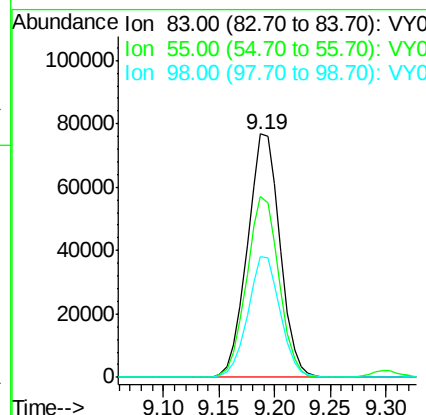
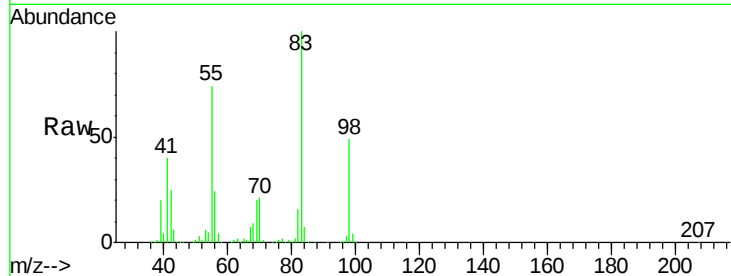
#39
Methvlcvclohexane
Concen: 42.891 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.2	91.8
98	49.5	38.2	57.2

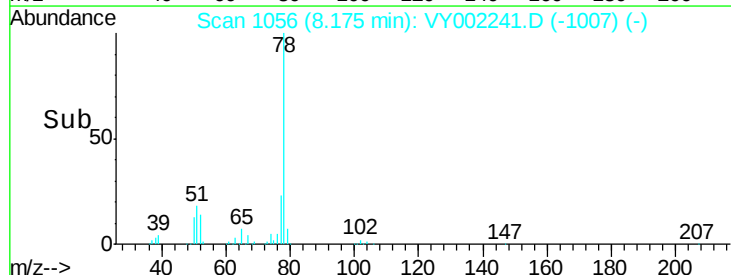
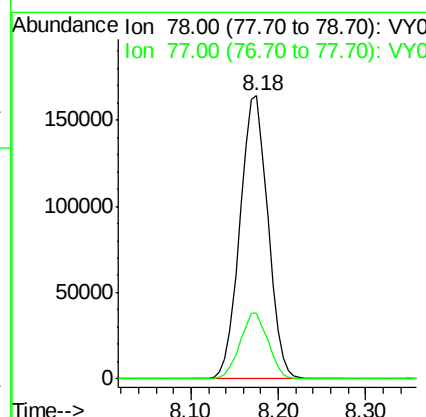
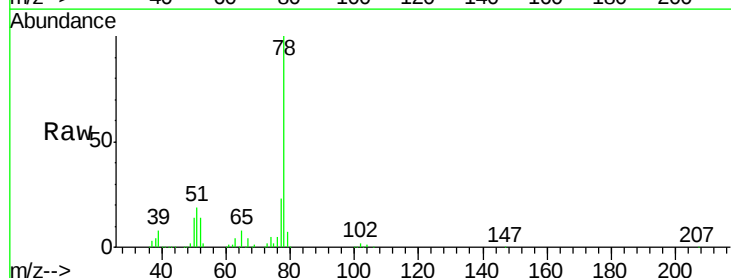
Manual Integrations
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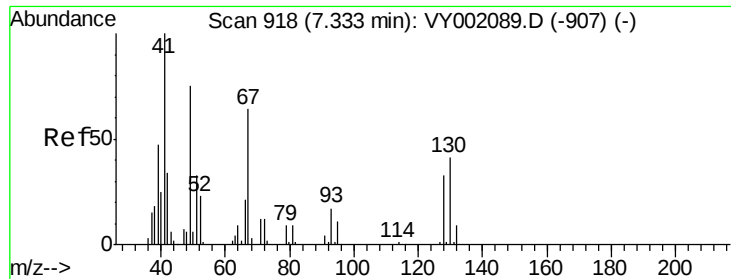
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#40
Benzene
Concen: 44.365 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4





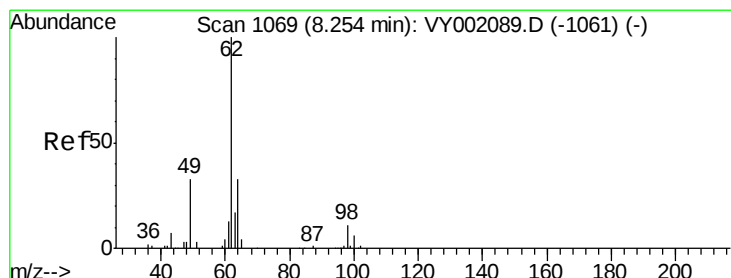
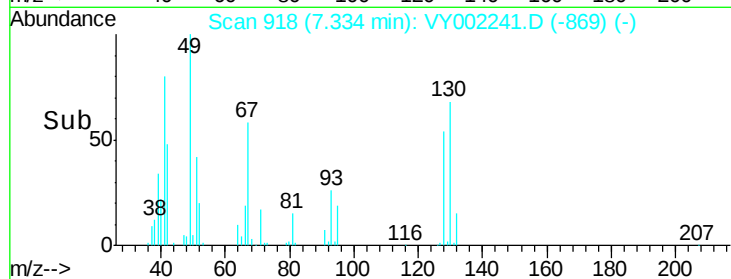
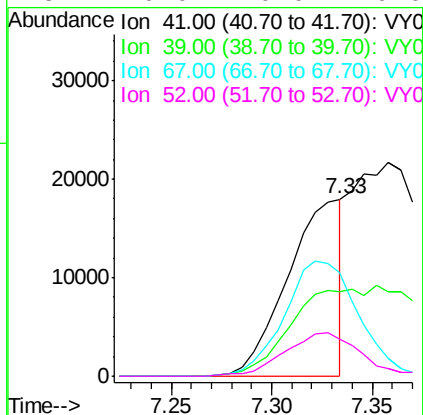
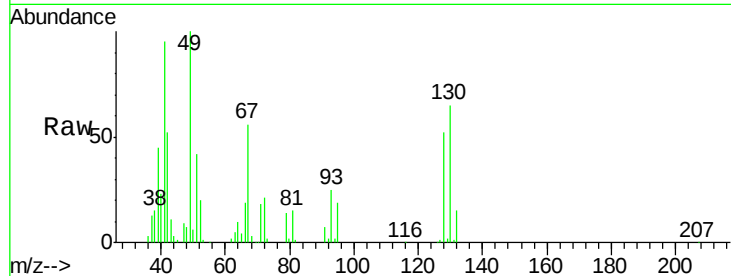
#41
Methacrylonitrile
Concen: 40.480 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	34403
Ion	Ratio	Lower	Upper
41	100		
39	118.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

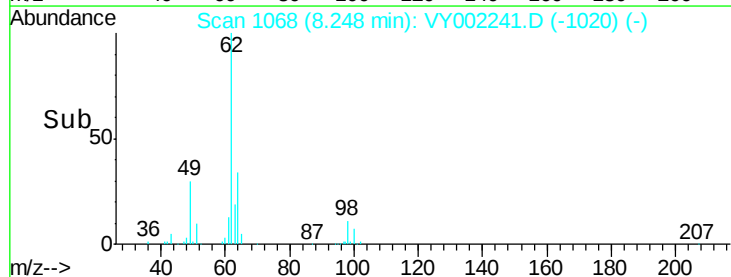
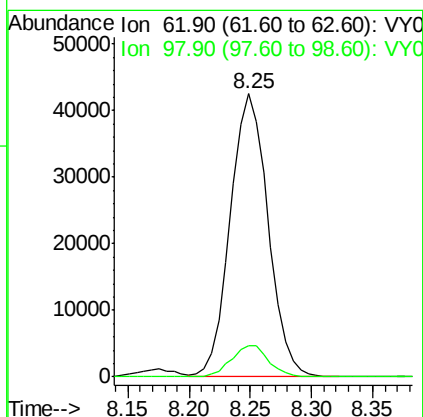
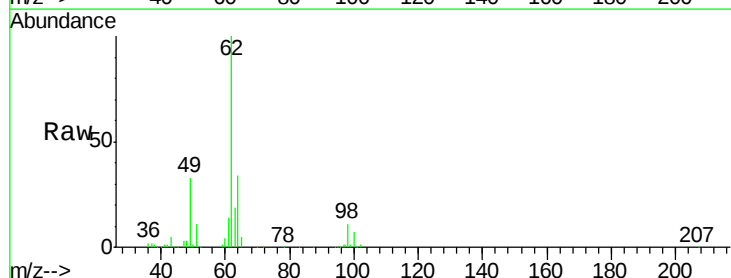
Manual Integrations
APPROVED

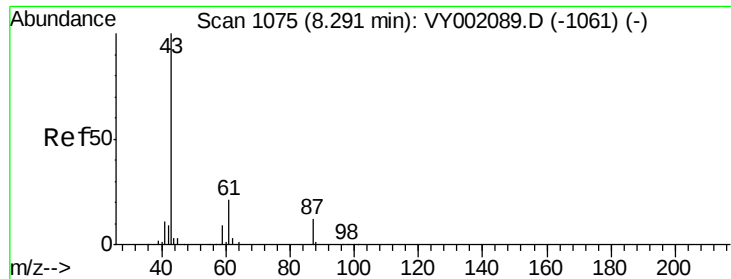
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#42
1,2-Dichloroethane
Concen: 41.761 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	62	Resp	91310
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.2





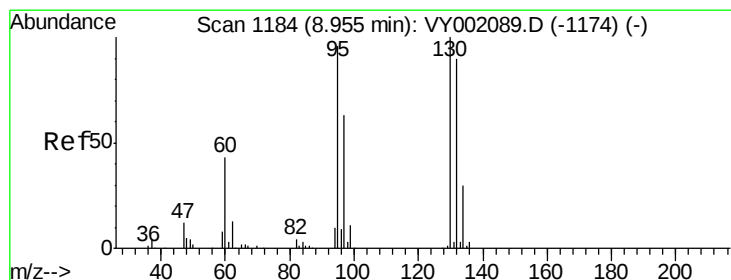
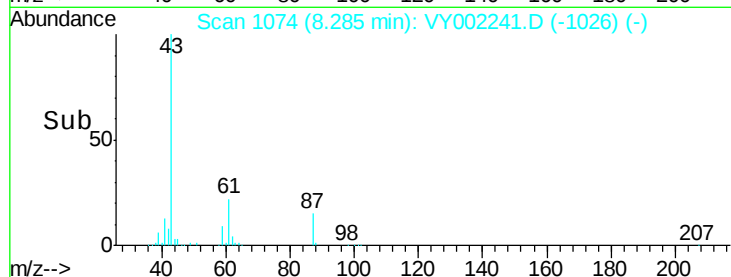
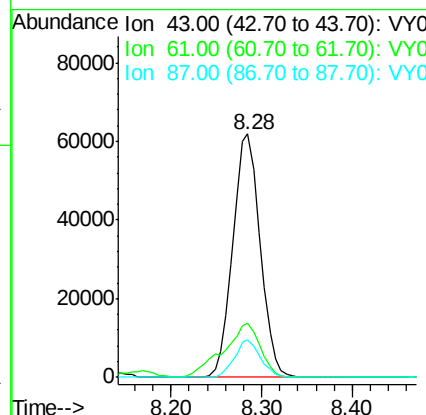
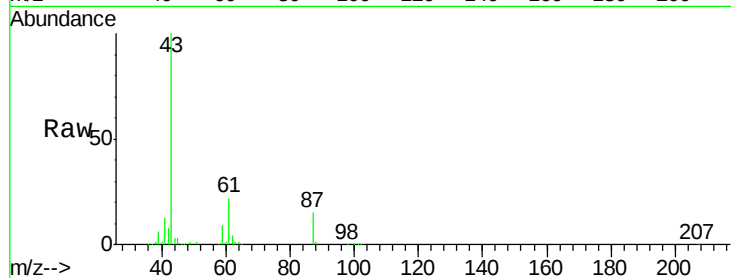
#43
Isopropyl Acetate
Concen: 41.657 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.4	35.2
87	14.6	10.2	15.4

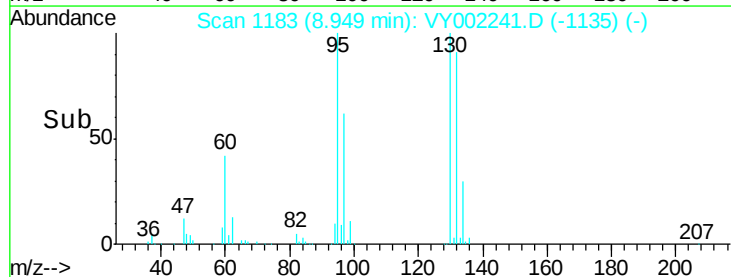
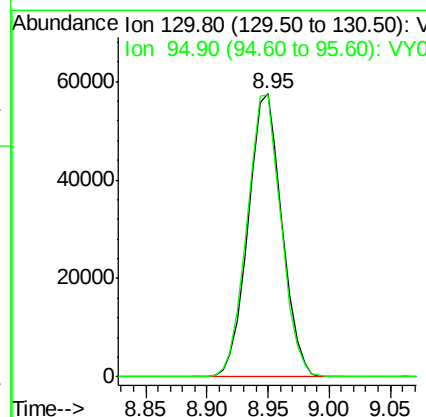
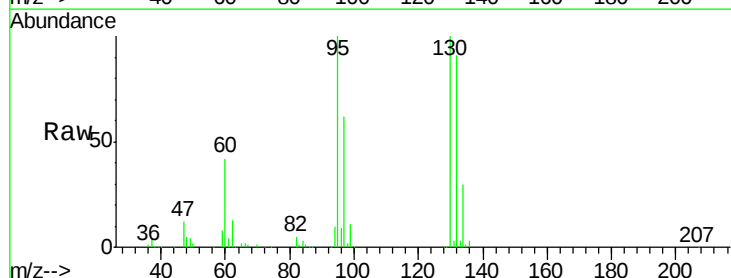
Manual Integrations
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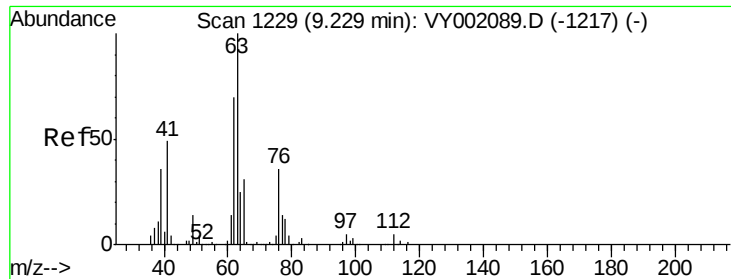
MMDadoda
4/7/2020 7:06:28 PM



#44
Trichloroethene
Concen: 55.684 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	193.0





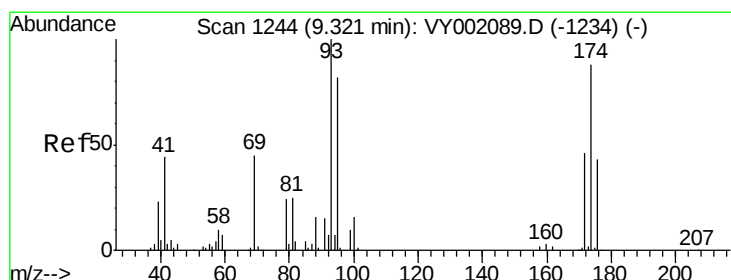
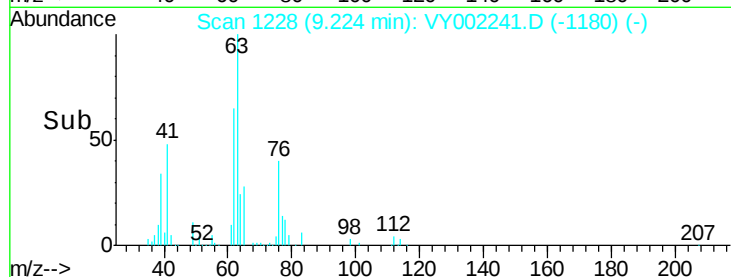
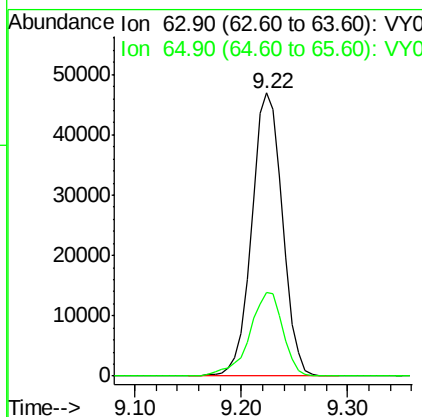
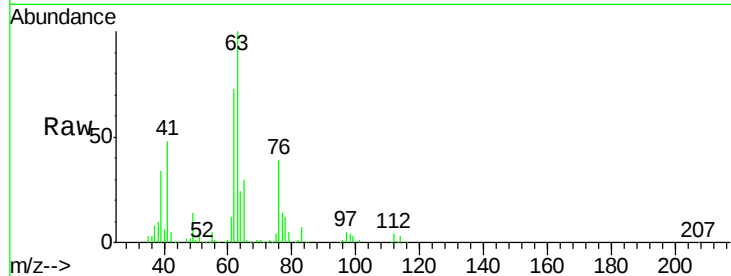
#45
 1,2-Dichloropropane
 Concen: 45.219 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 94823
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6

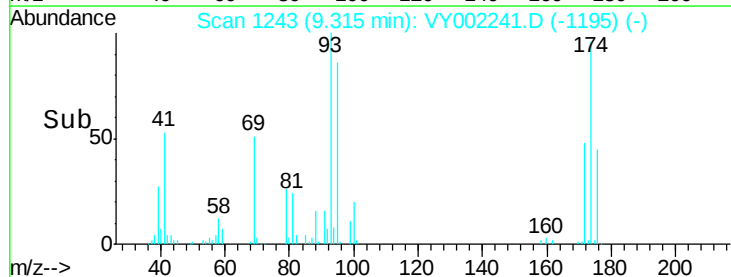
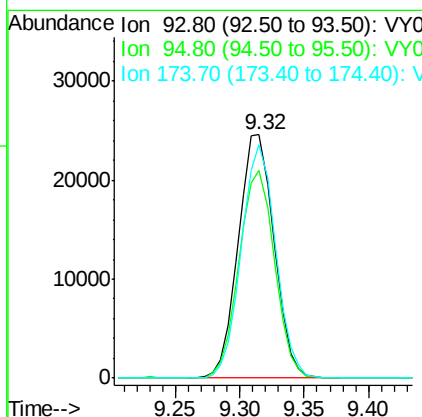
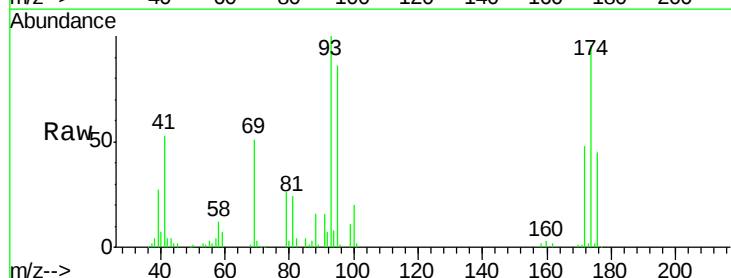
Manual Integrations
 APPROVED

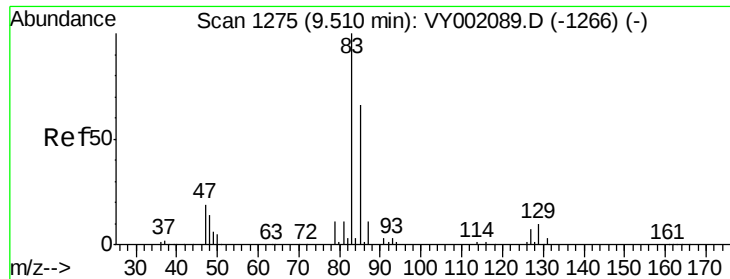
MMDadoda
 4/7/2020 7:06:28 PM



#46
 Dibromomethane
 Concen: 44.080 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion: 93 Resp: 47471
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.0 99.0
 174 91.5 69.8 104.8





#47

Bromodichloromethane

Concen: 45.425 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

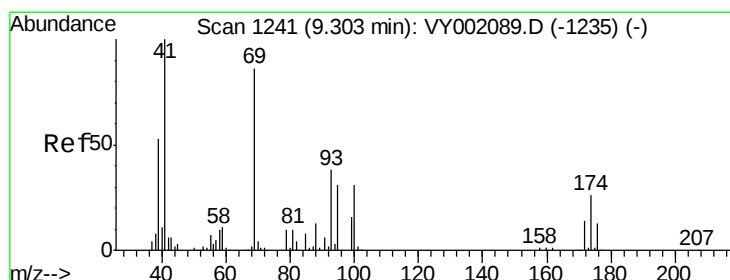
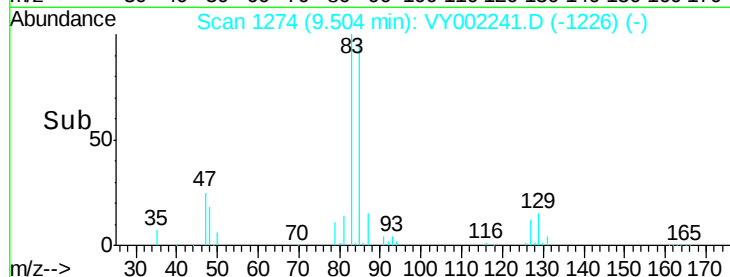
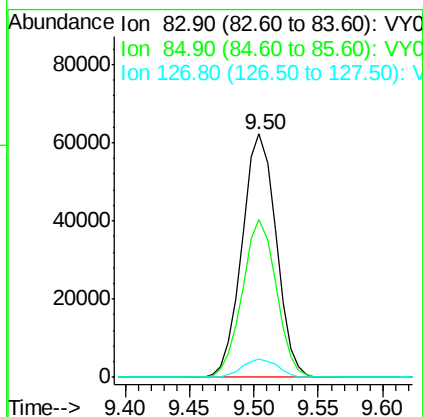
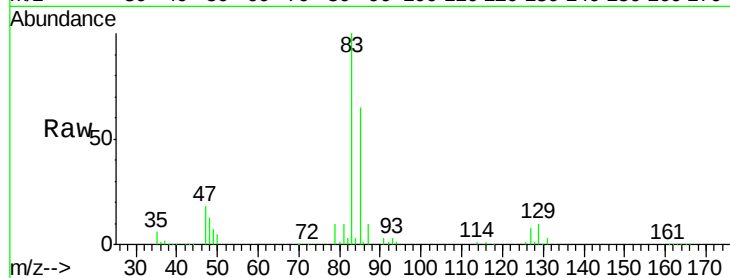
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	113881
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	79.0
127	7.8	5.9	8.9

Manual Integrations
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MMDadoda
4/7/2020 7:06:28 PM



#48

Methyl methacrylate

Concen: 41.757 ug/l

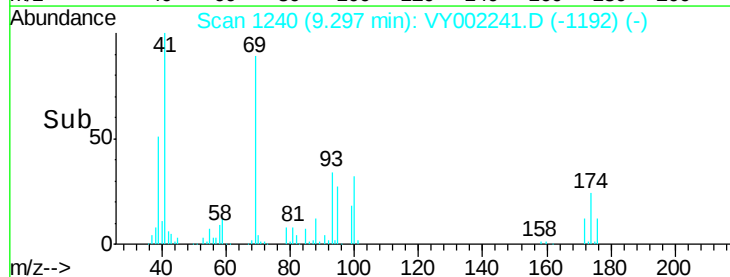
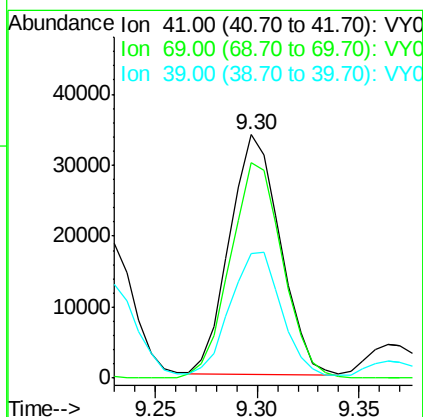
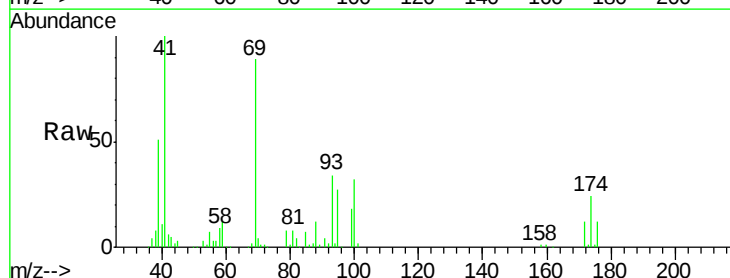
RT: 9.30 min Scan# 1240

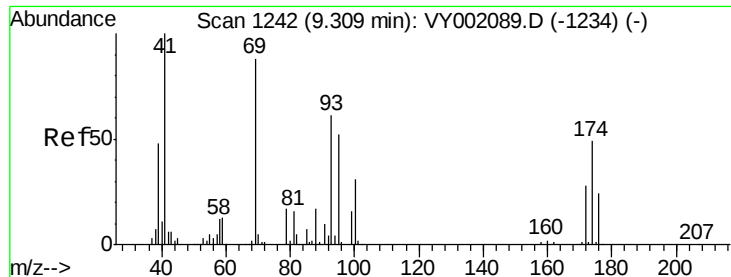
Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	41	Resp:	58354
Ion	Ratio	Lower	Upper
41	100		
69	93.1	71.4	107.0
39	51.9	41.0	61.4





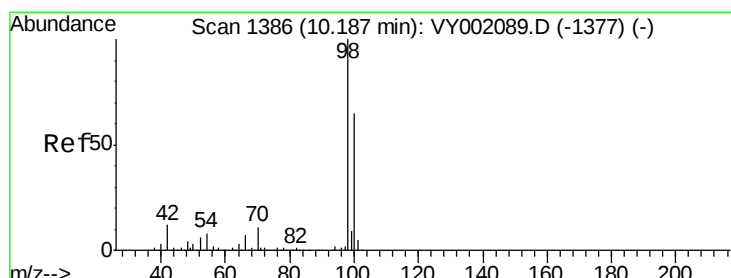
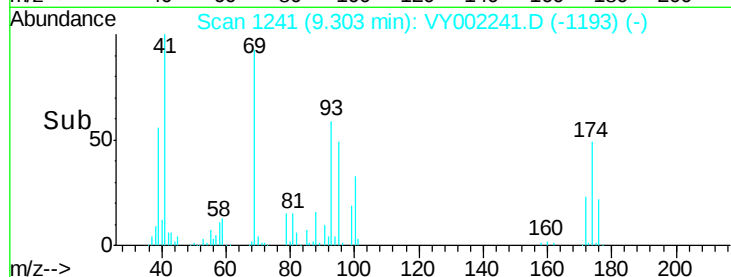
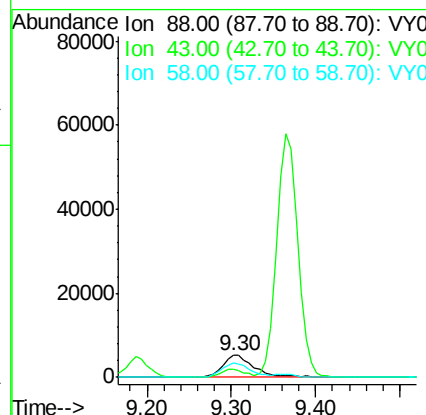
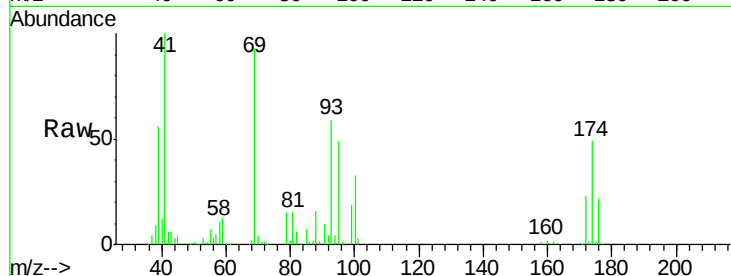
#49
1,4-Dioxane
Concen: 913.450 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	13499
Ion	Ratio	Lower	Upper
88	100		
43	28.8	27.2	40.8
58	61.6	59.8	89.8

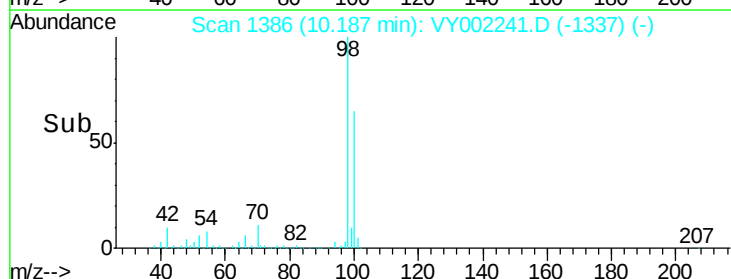
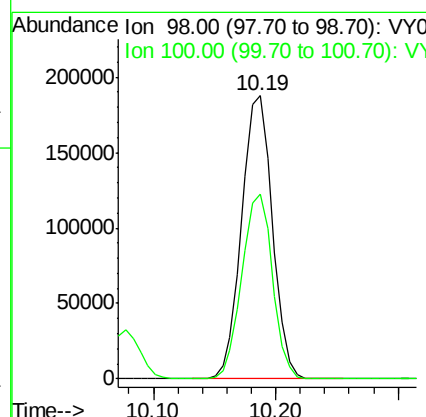
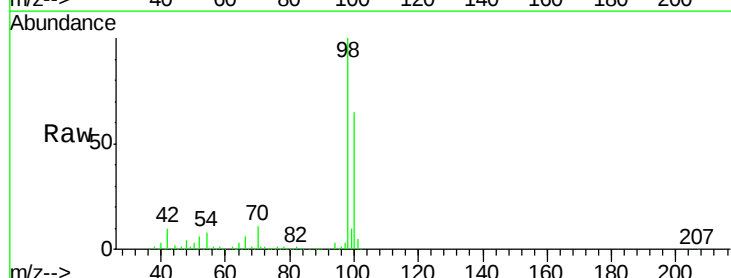
Manual Integrations
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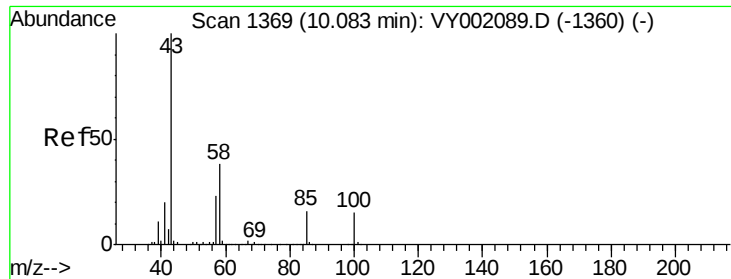
MMDadoda
4/7/2020 7:06:28 PM



#50
Toluene-d8
Concen: 47.754 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	98	Resp	326740
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.6	77.4





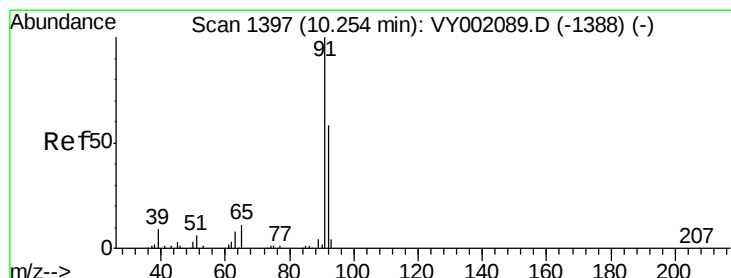
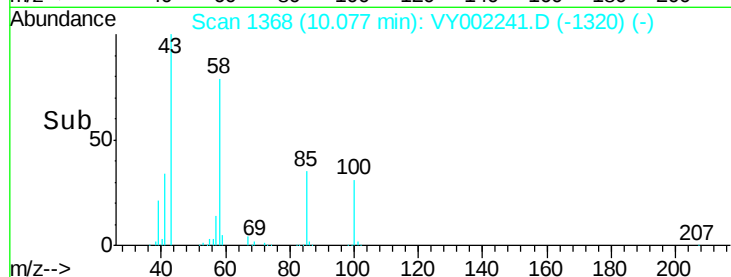
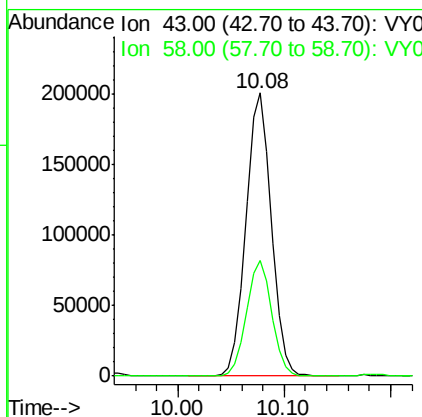
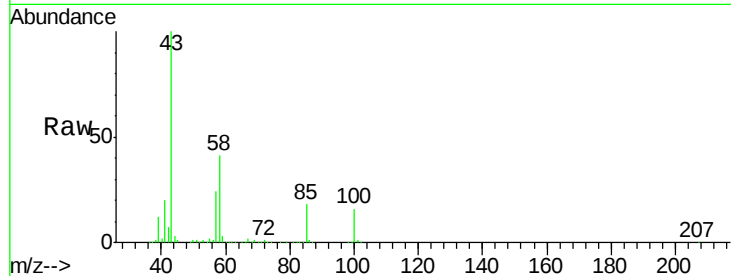
#51
 4-Methyl-2-Pentanone
 Concen: 209.878 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 337012
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.6 47.4

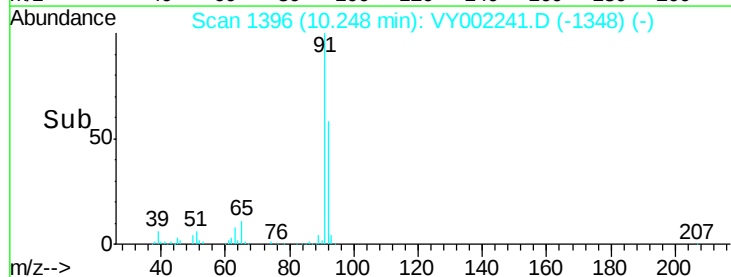
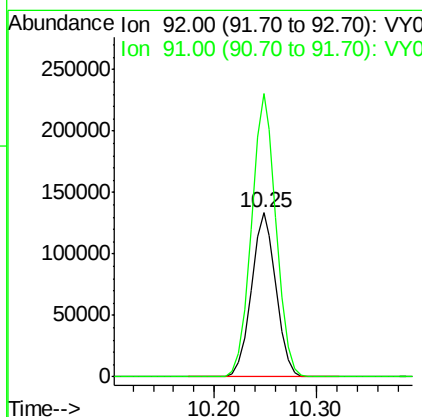
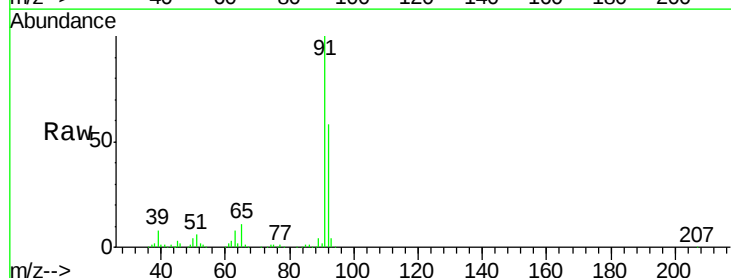
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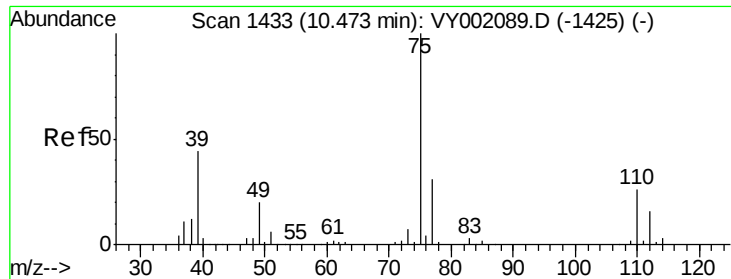
MMDadoda
 4/7/2020 7:06:28 PM



#52
 Toluene
 Concen: 44.860 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion: 92 Resp: 223455
 Ion Ratio Lower Upper
 92 100
 91 172.6 139.3 208.9





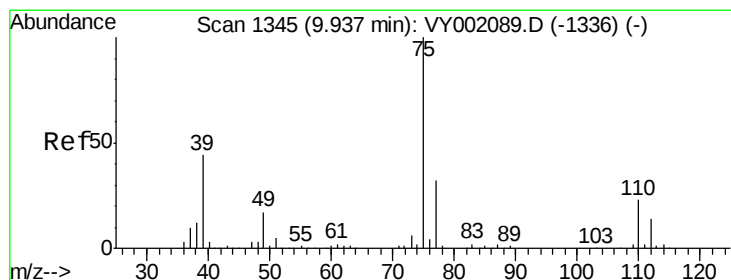
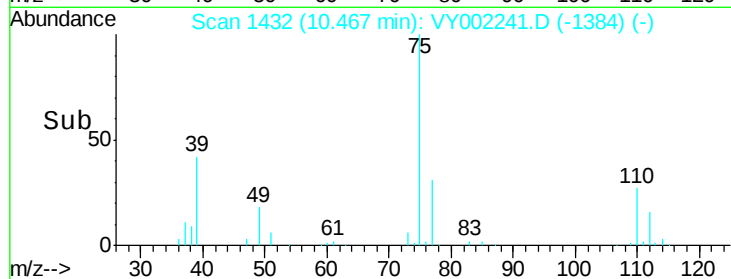
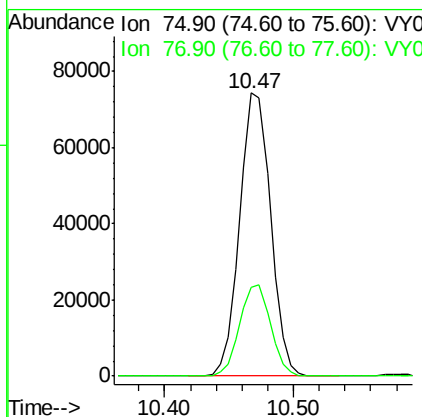
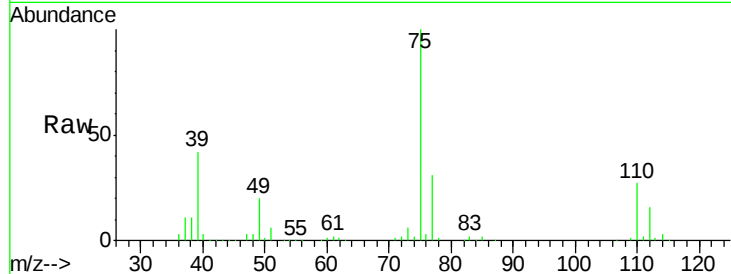
#53
t-1,3-Dichloropropene
Concen: 44.403 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 123557
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

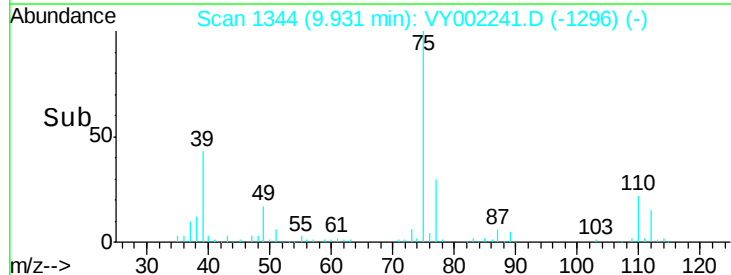
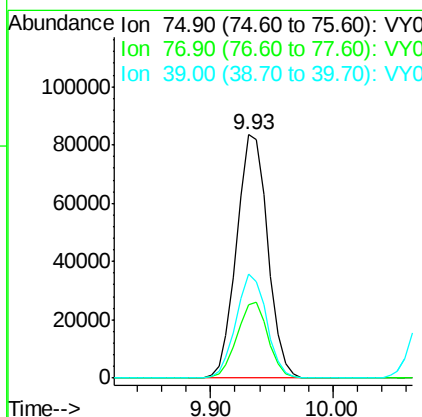
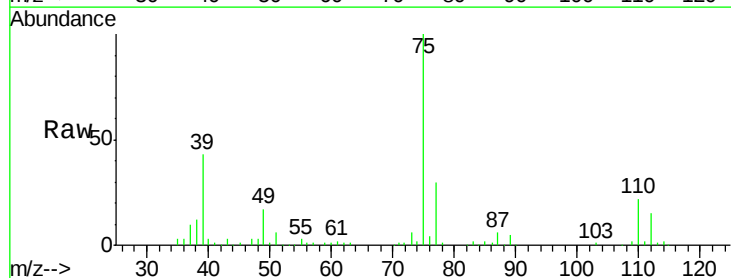
Manual Integrations
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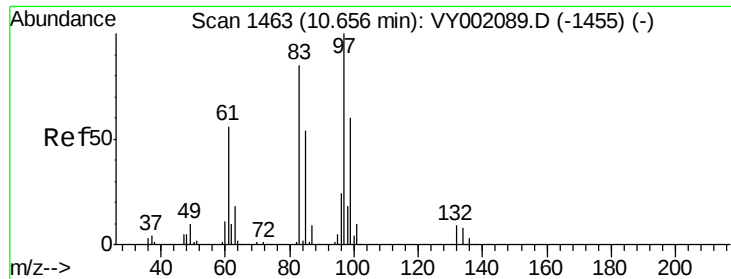
MMDadoda
4/7/2020 7:06:28 PM



#54
cis-1,3-Dichloropropene
Concen: 44.806 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion: 75 Resp: 146792
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4
39 42.7 35.2 52.8





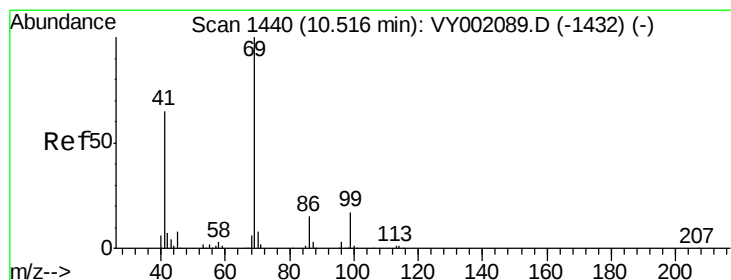
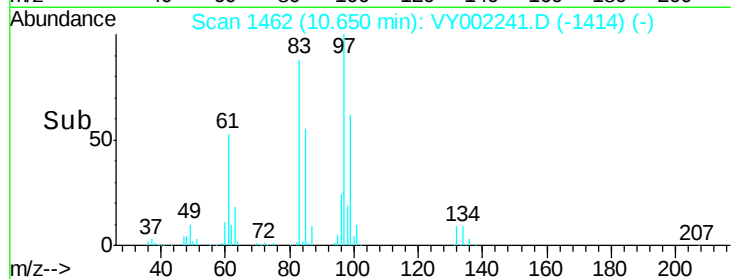
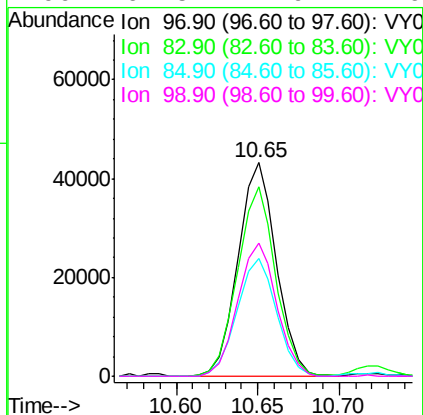
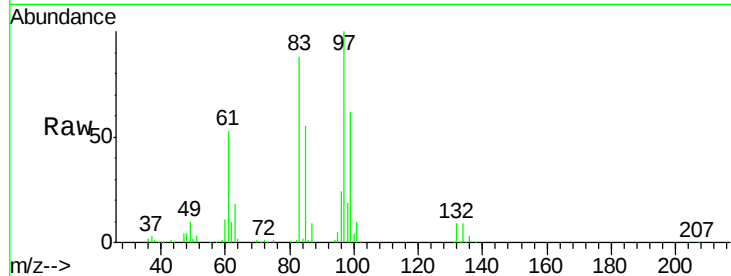
#55
 1,1,2-Trichloroethane
 Concen: 44.131 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	70340
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.2	102.2
85	55.1	42.9	64.3
99	62.5	47.9	71.9

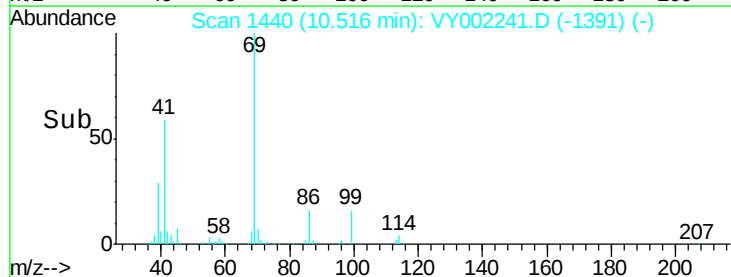
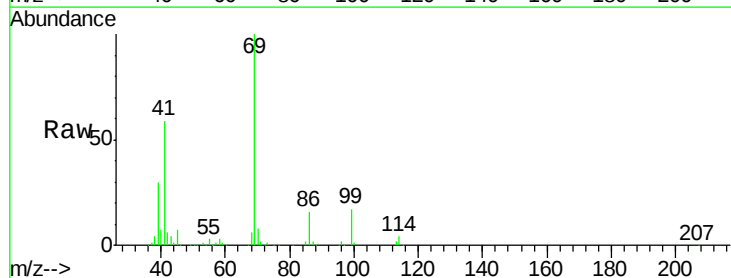
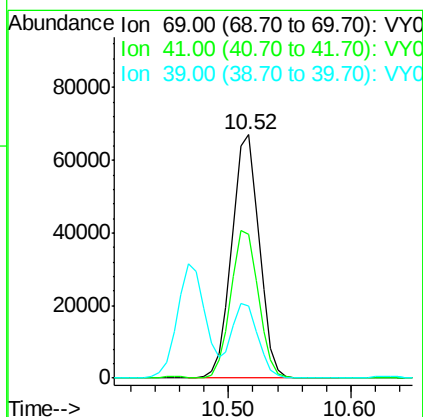
Manual Integrations
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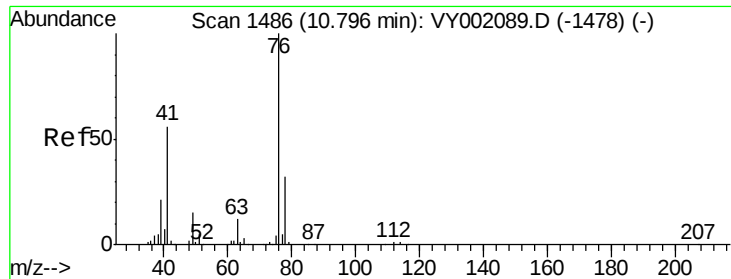
MMDadoda
 4/7/2020 7:06:28 PM



#56
 Ethyl methacrylate
 Concen: 44.494 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion:	69	Resp:	103582
Ion	Ratio	Lower	Upper
69	100		
41	61.7	52.8	79.2
39	30.1	25.0	37.6





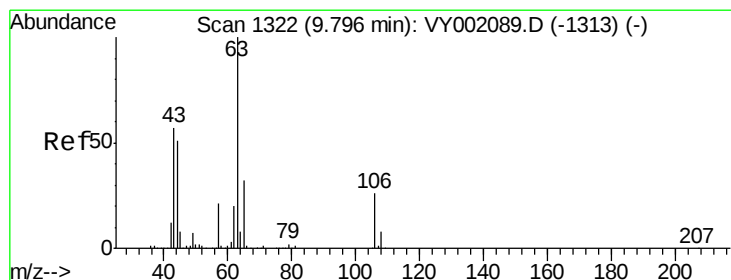
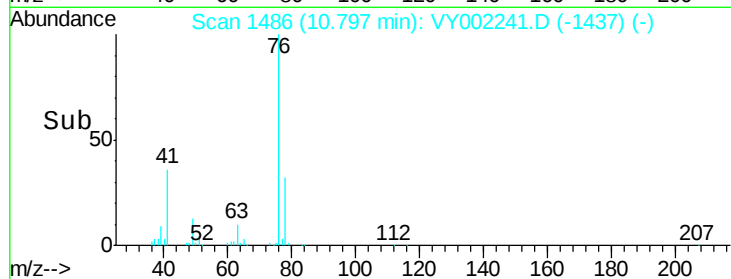
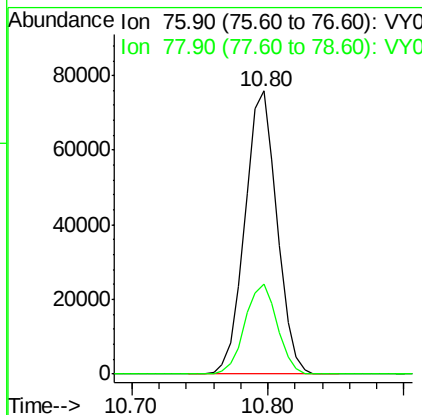
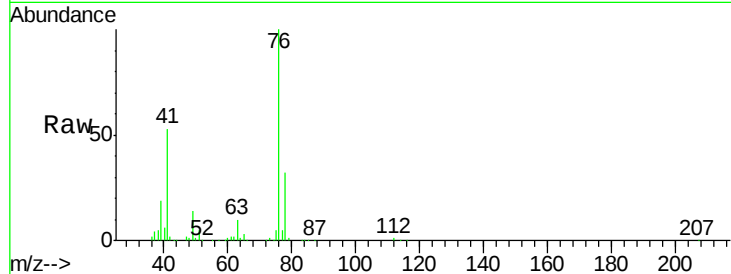
#57
 1,3-Dichloropropane
 Concen: 44.433 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.1	39.1

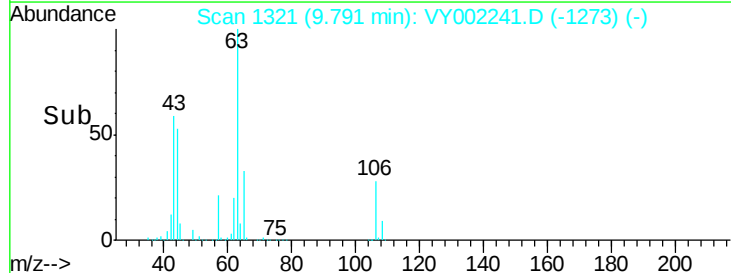
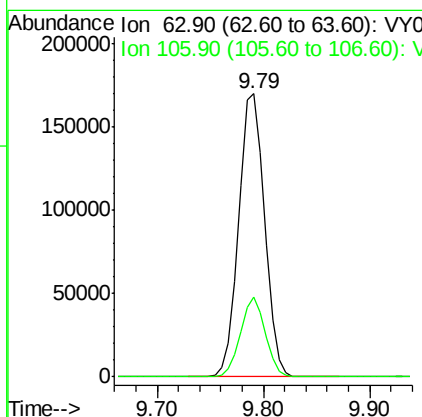
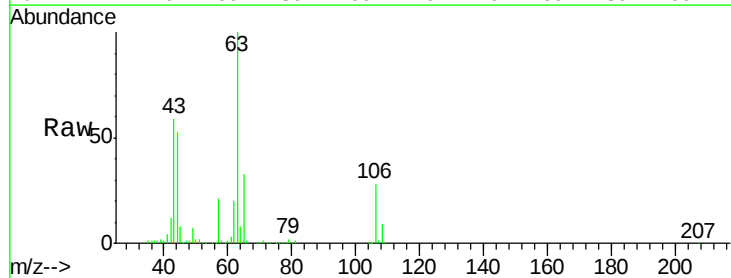
Manual Integrations
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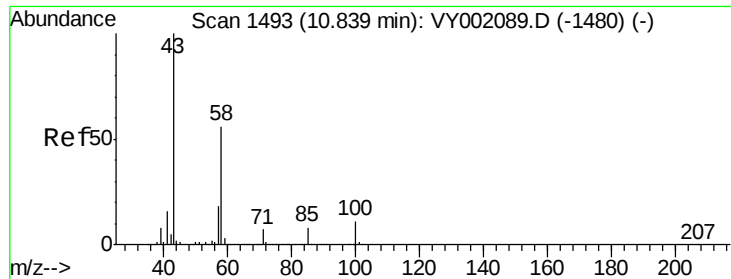
MMDadoda
 4/7/2020 7:06:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.279 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.0	31.4





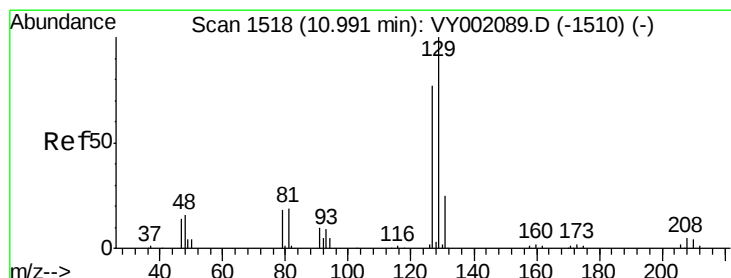
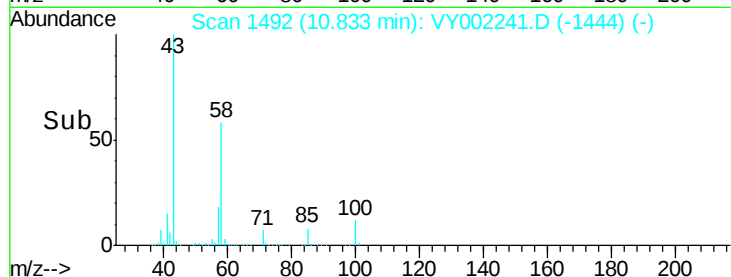
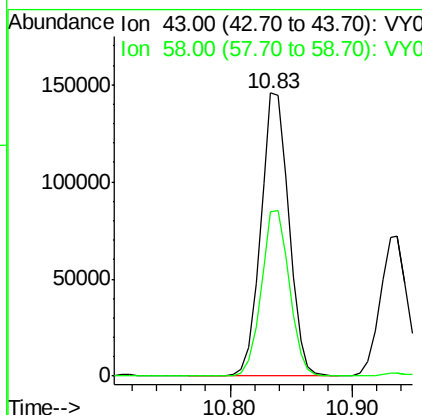
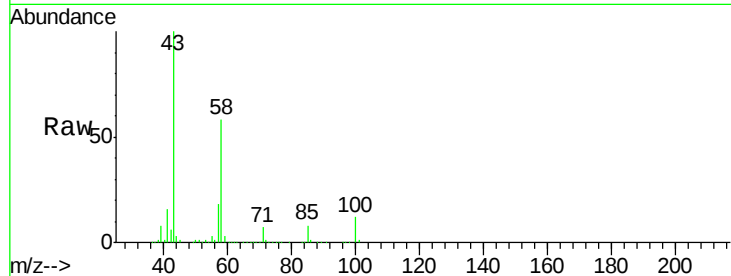
#59
2-Hexanone
Concen: 206.083 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	27.9	83.6

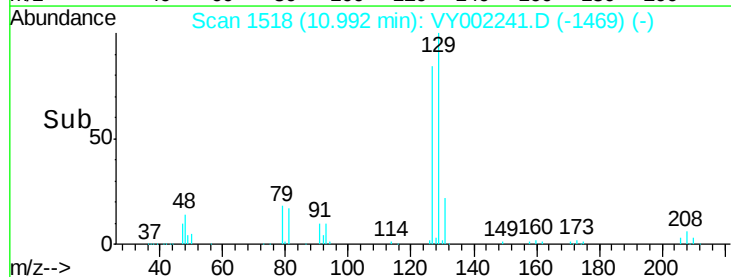
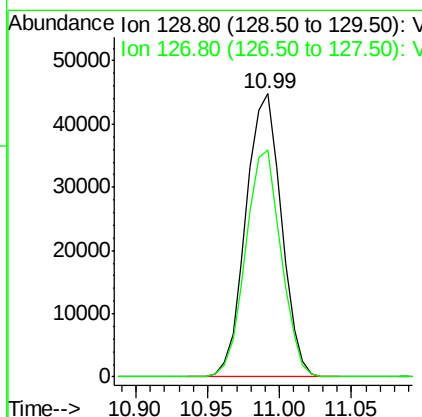
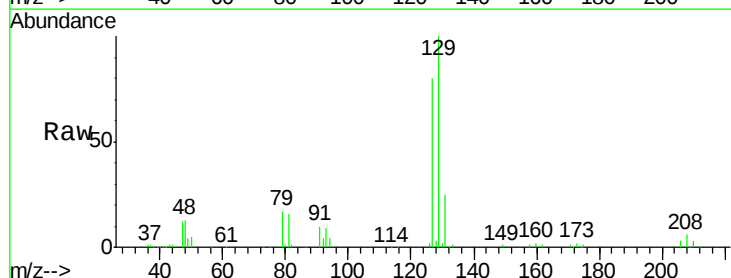
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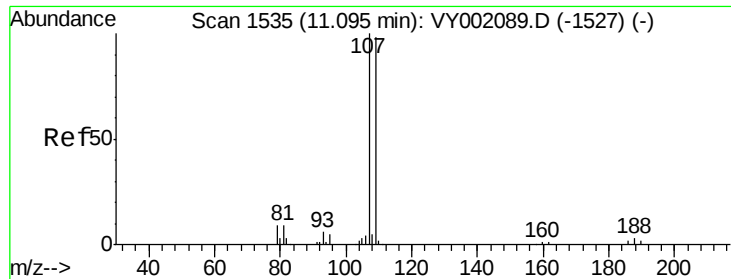
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4/7/2020 7:06:28 PM



#60
Dibromochloromethane
Concen: 45.824 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.8	38.7	116.1





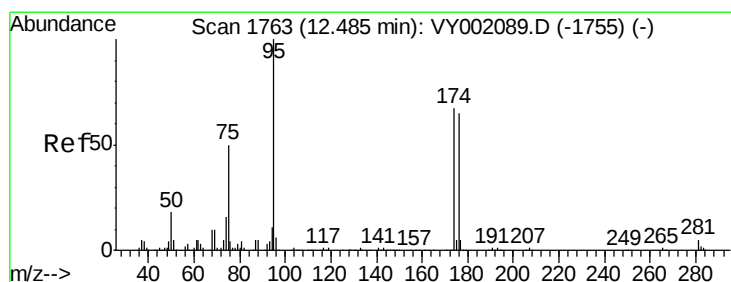
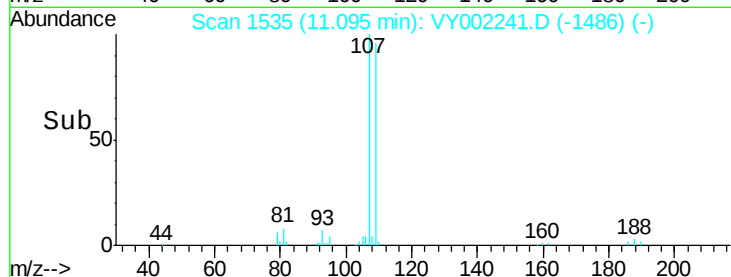
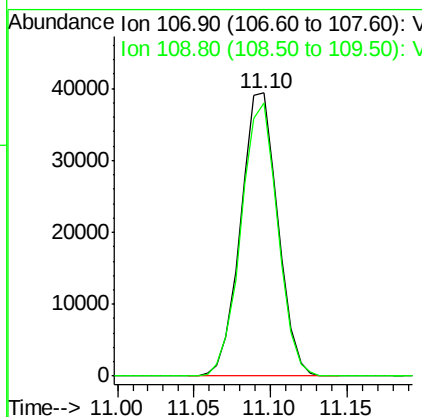
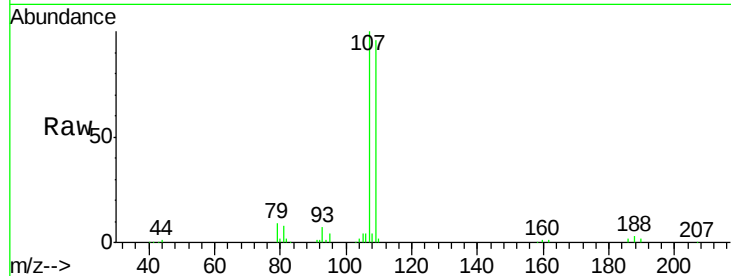
#61
 1,2-Dibromoethane
 Concen: 44.531 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 66434
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.3 114.5

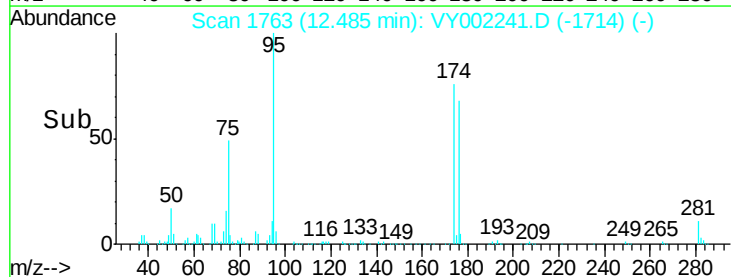
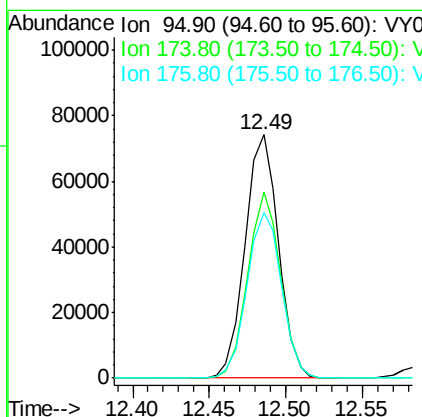
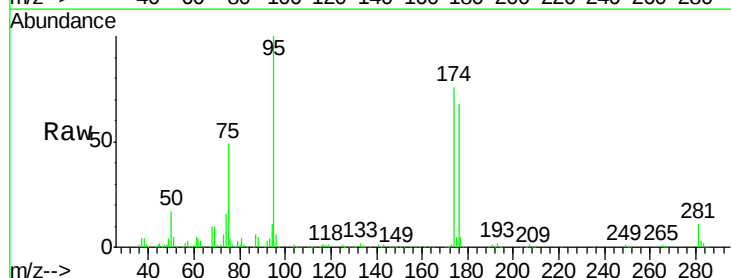
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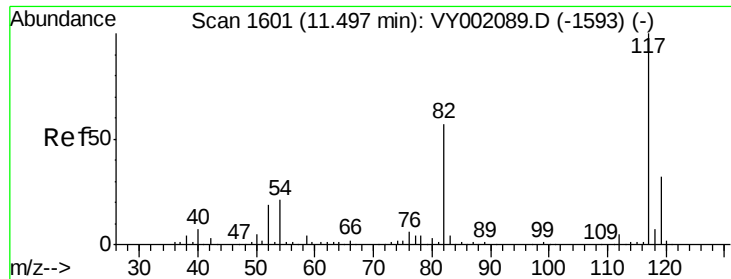
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#62
 4-Bromofluorobenzene
 Concen: 47.075 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion: 95 Resp: 112647
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 143.4
 176 70.3 0.0 137.0





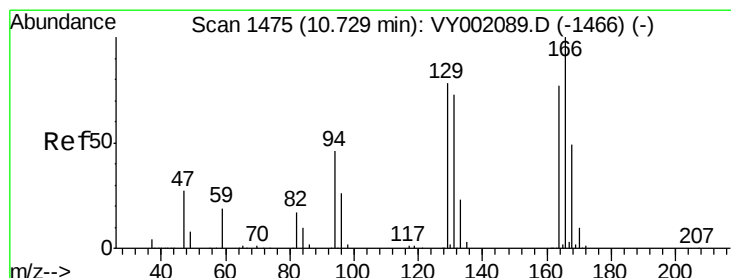
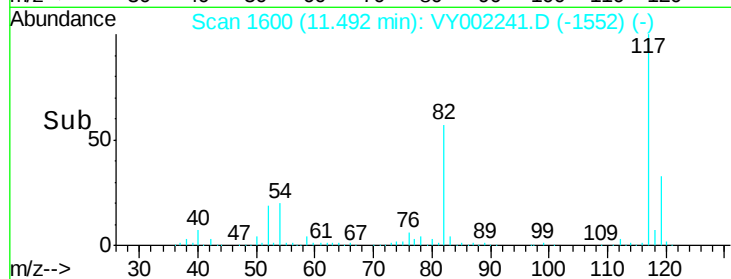
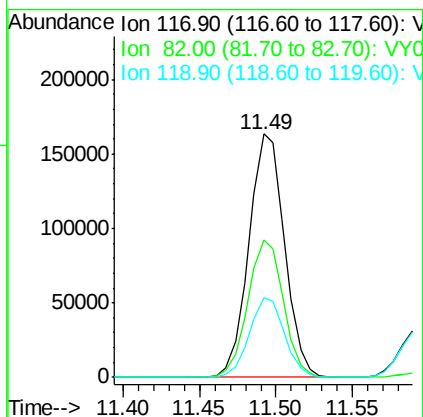
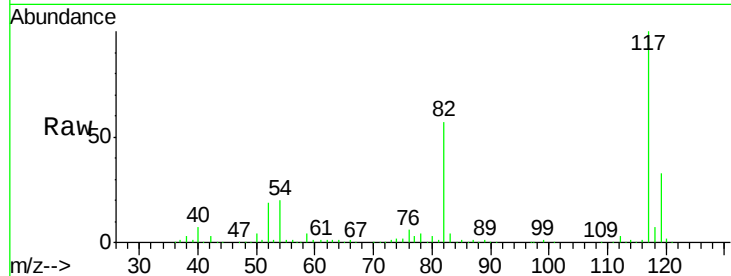
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	33.0	25.3	37.9

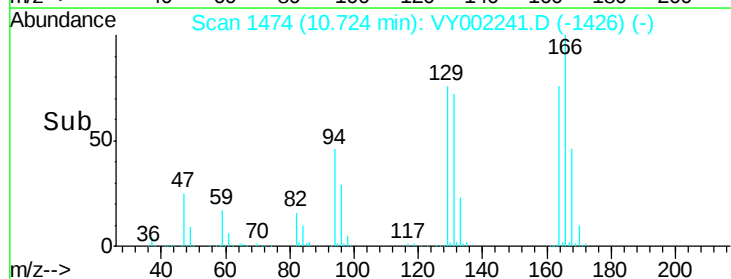
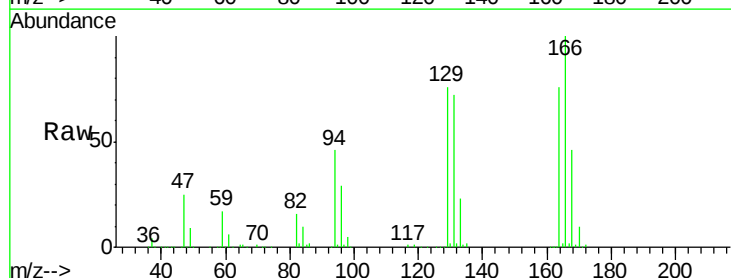
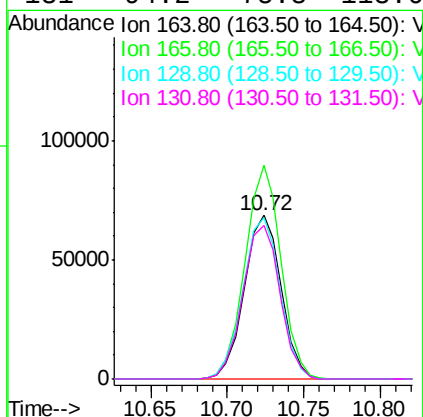
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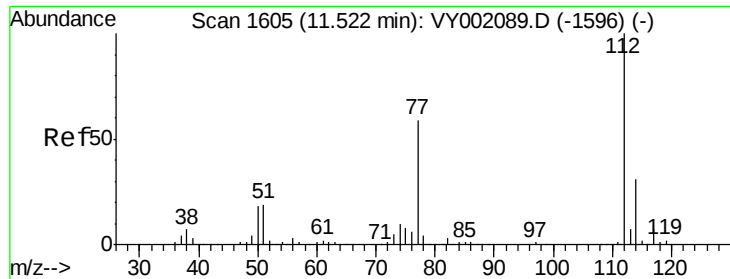
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#64
Tetrachloroethene
Concen: 70.624 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	104.0	156.0
129	99.1	81.2	121.8
131	94.2	75.8	113.6





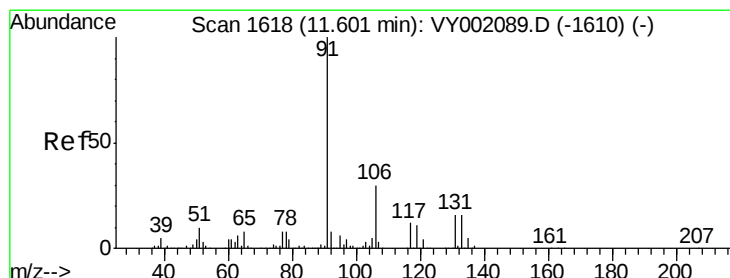
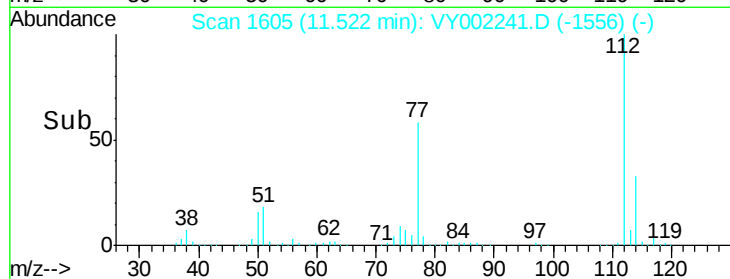
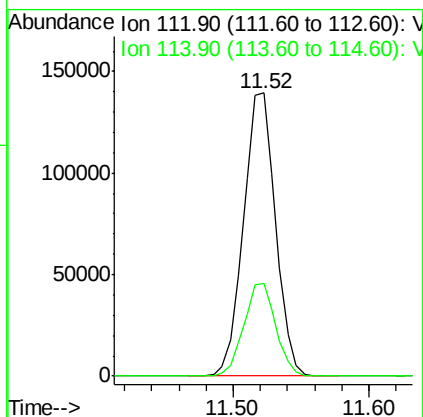
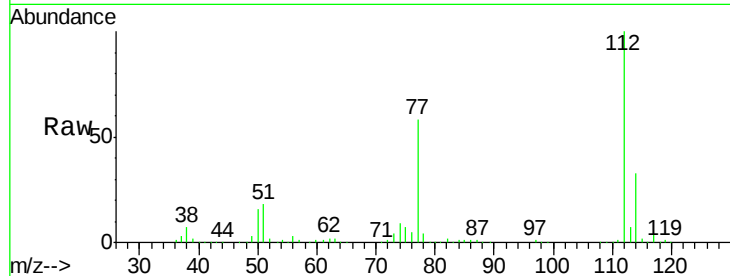
#65
Chlorobenzene
Concen: 44.976 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 229960
Ion Ratio Lower Upper
112 100
114 32.9 24.9 37.3

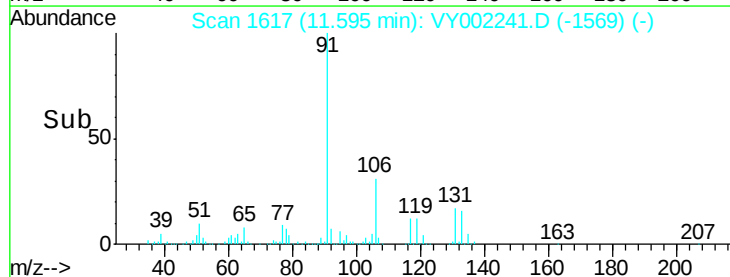
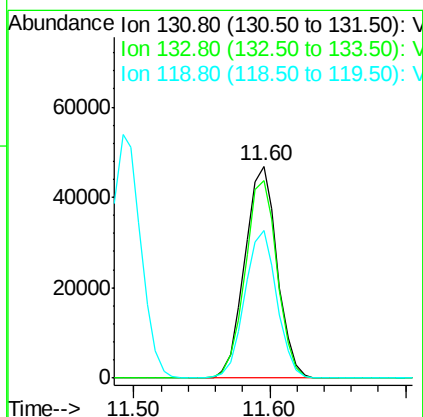
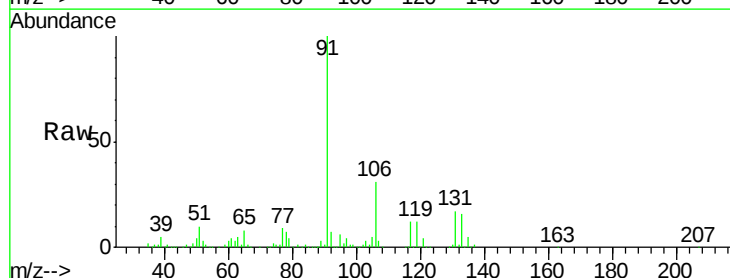
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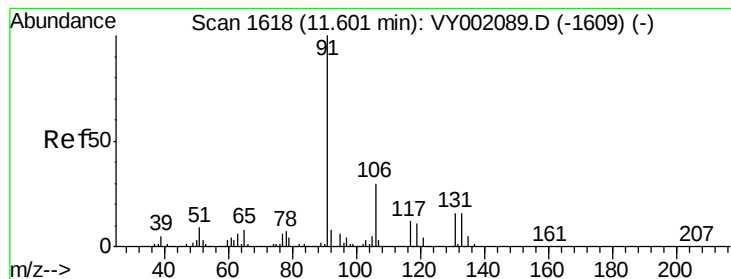
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.653 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion:131 Resp: 78092
Ion Ratio Lower Upper
131 100
133 92.8 47.5 142.5
119 68.9 34.6 103.9





#67

Ethyl Benzene

Concen: 45.094 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 428219

Ion Ratio Lower Upper

91 100

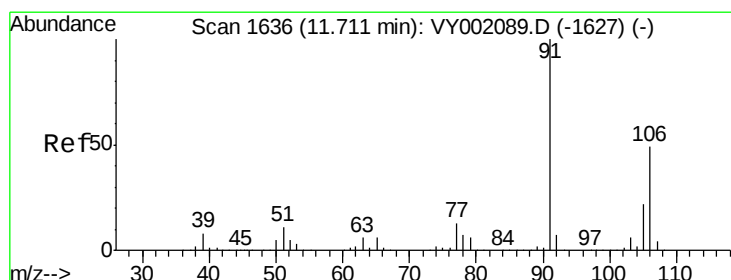
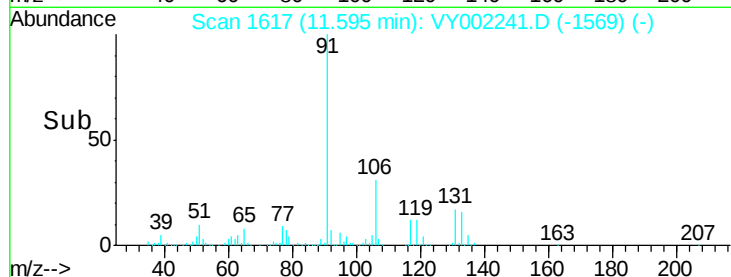
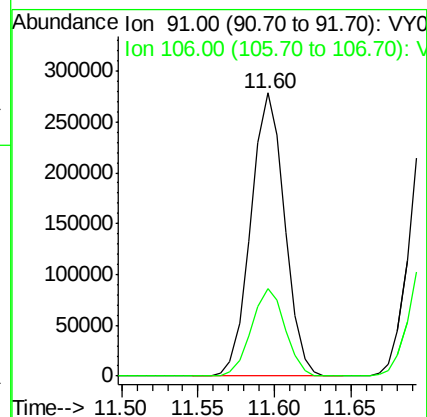
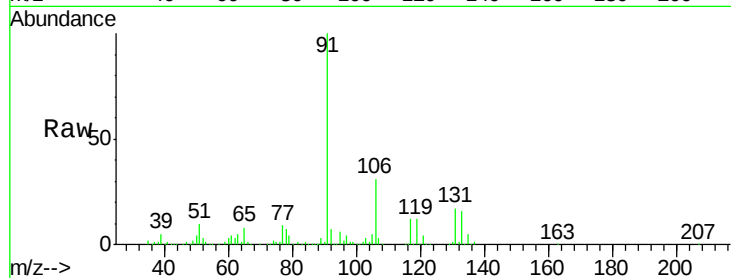
106 31.0 24.1 36.1

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4/7/2020 7:06:28 PM



#68

m/p-Xylenes

Concen: 90.229 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002241.D

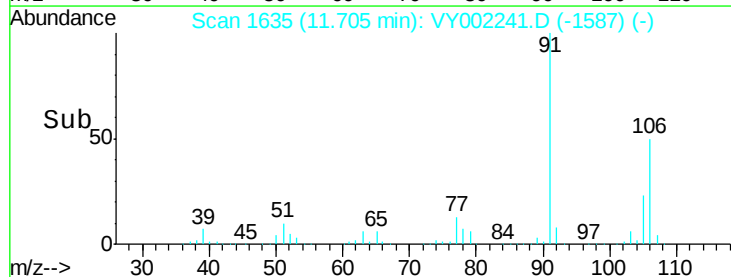
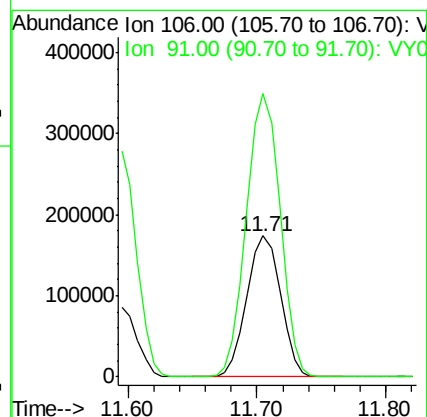
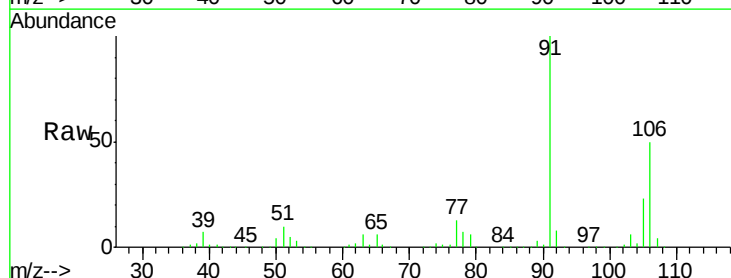
Acq: 06 Apr 2020 16:45

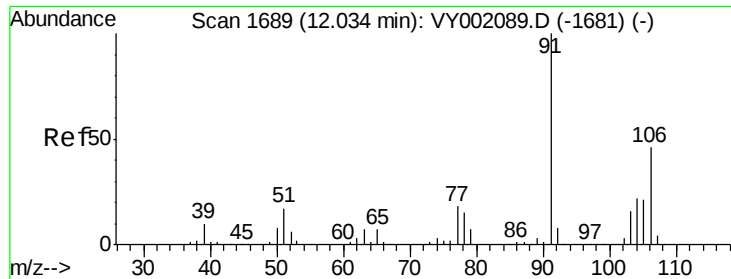
Tgt Ion: 106 Resp: 316803

Ion Ratio Lower Upper

106 100

91 200.8 162.8 244.2





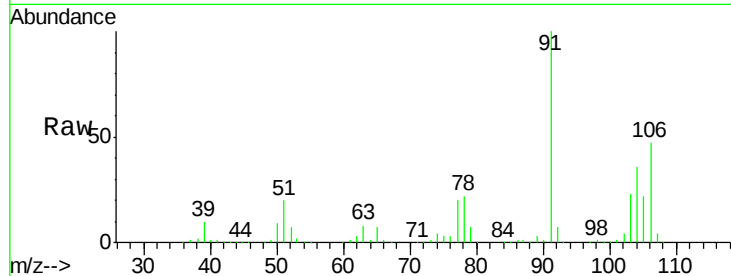
#69
o-Xylene
Concen: 45.424 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

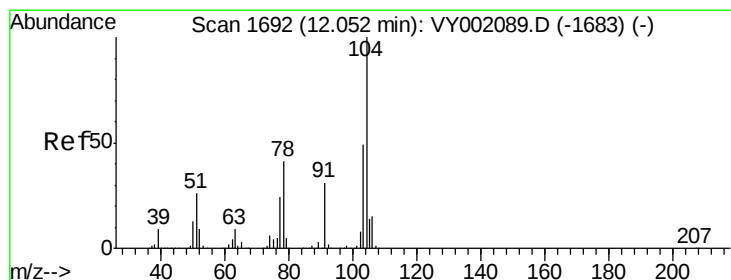
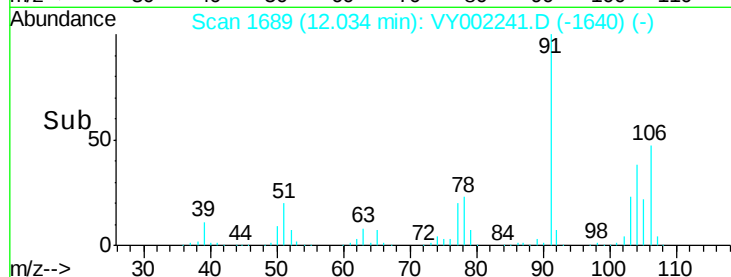
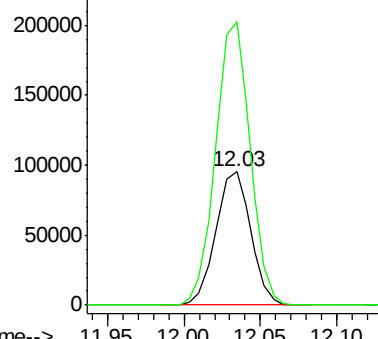
Tot Ion:106 Resp: 151291
Ion Ratio Lower Upper
106 100
91 210.0 107.3 321.8

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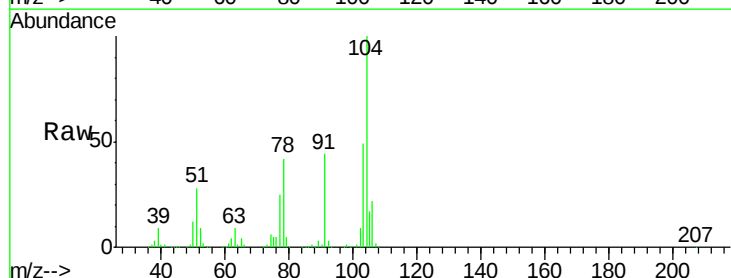


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

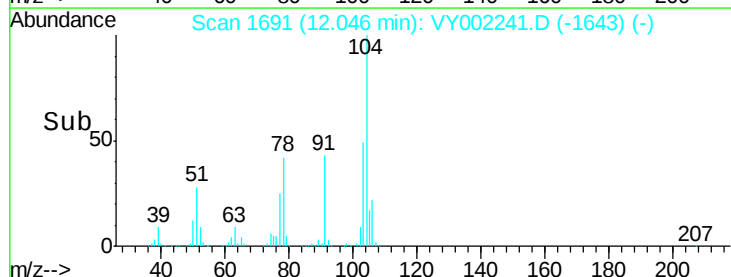
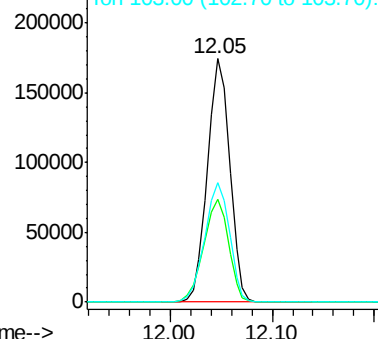


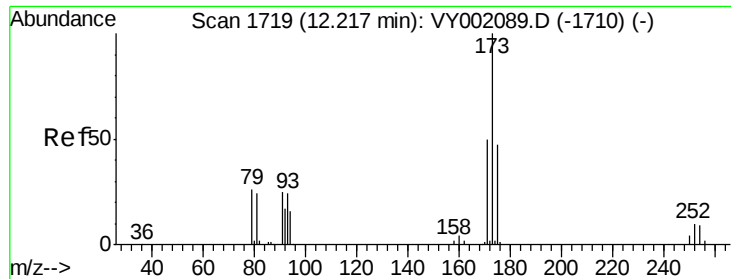
#70
Styrene
Concen: 45.747 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion:104 Resp: 264023
Ion Ratio Lower Upper
104 100
78 47.1 37.9 56.9
103 54.0 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 46.147 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 43234

Ion Ratio Lower Upper

173 100

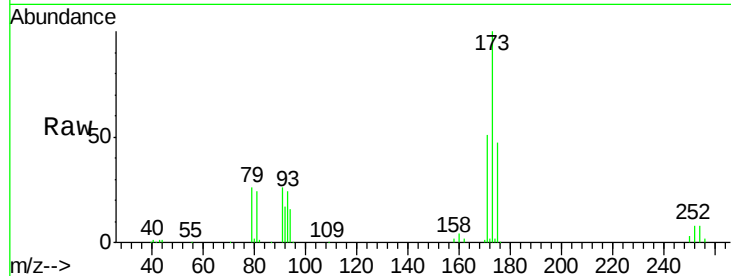
175 47.1 23.9 71.8

254 0.0 0.0 0.0

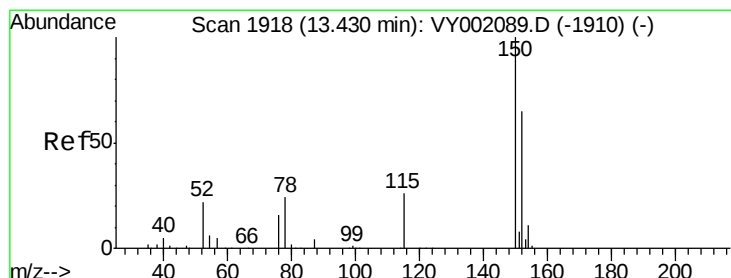
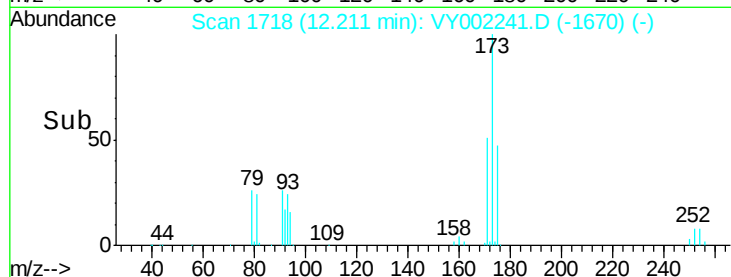
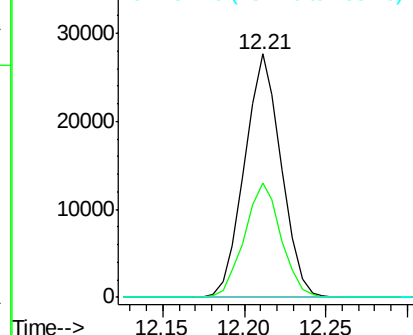
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

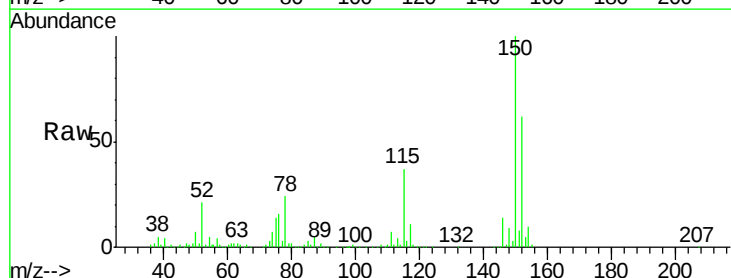
Tgt Ion:152 Resp: 121368

Ion Ratio Lower Upper

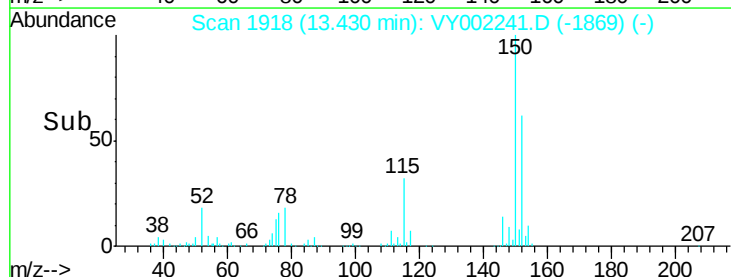
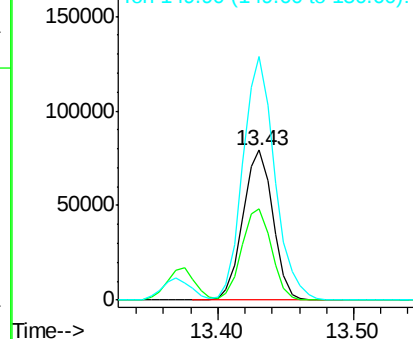
152 100

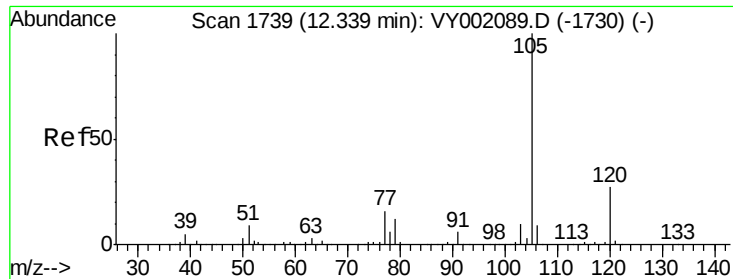
115 60.6 31.2 93.6

150 173.2 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: 44.981 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 404974

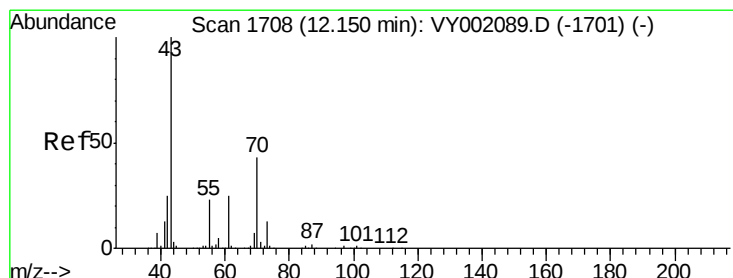
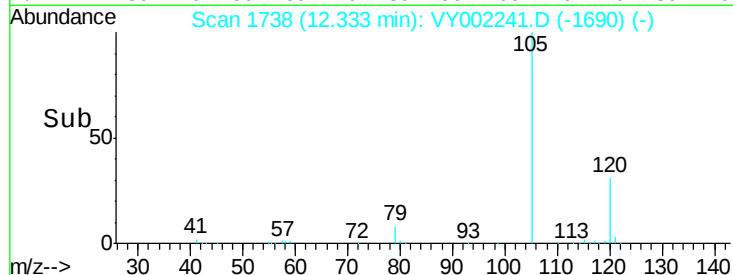
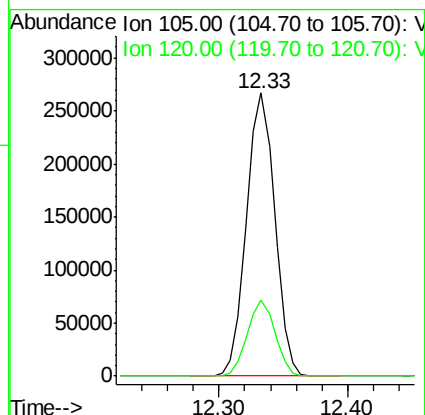
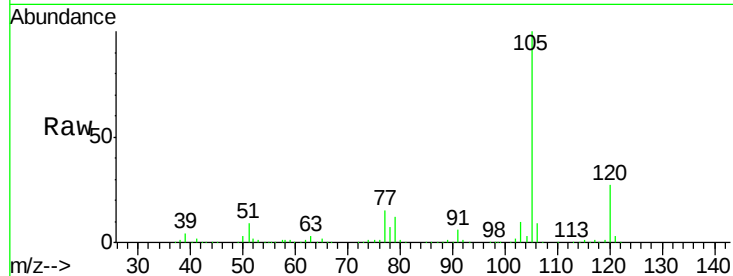
Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 41.184 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion: 43 Resp: 116944

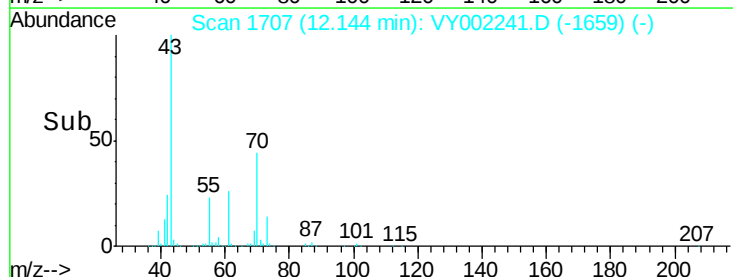
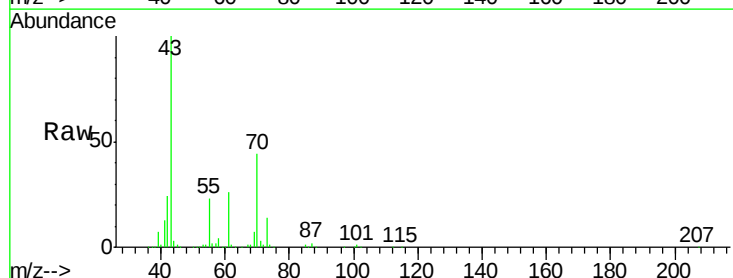
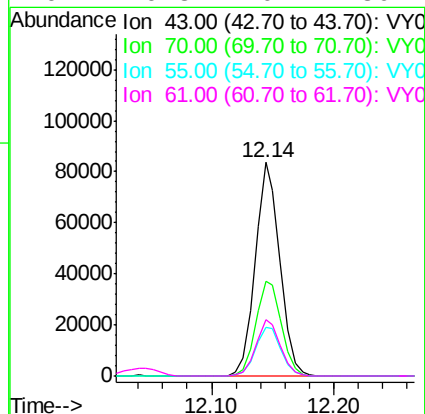
Ion Ratio Lower Upper

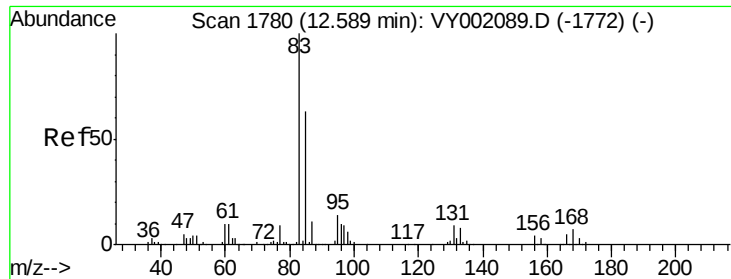
43 100

70 46.4 35.0 52.4

55 23.9 18.7 28.1

61 26.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.169 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

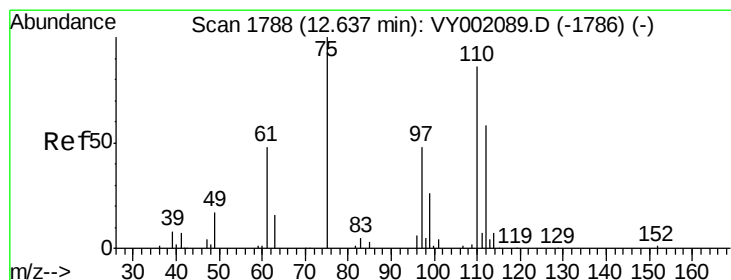
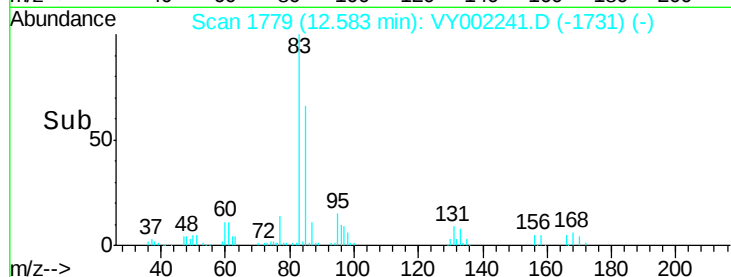
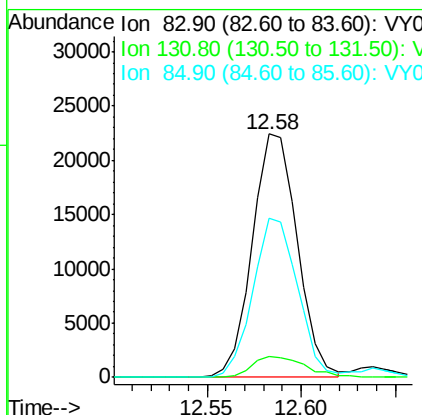
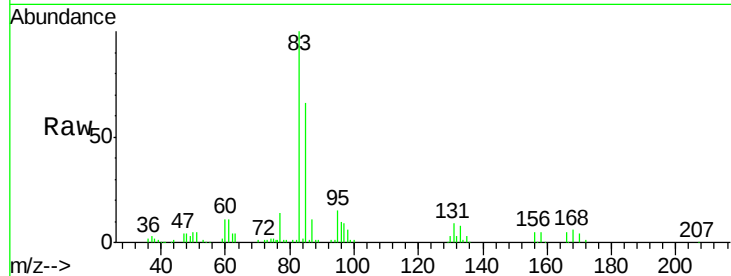
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	37138
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.7	14.1
85	65.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 39.122 ug/l m

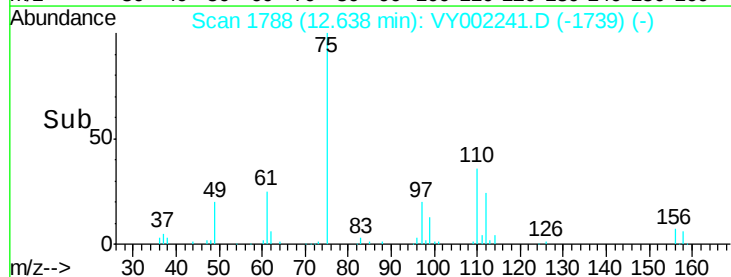
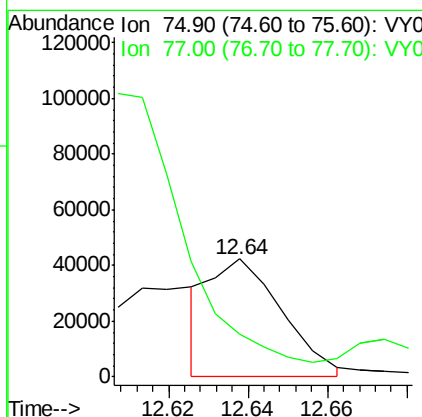
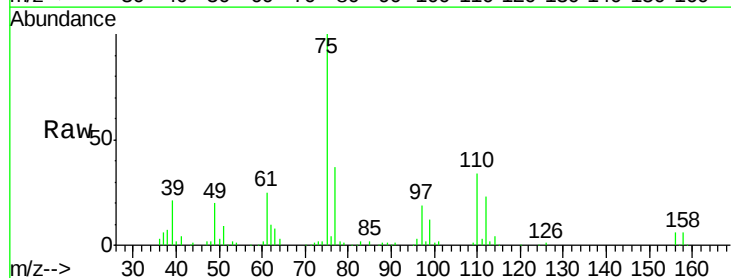
RT: 12.64 min Scan# 1788

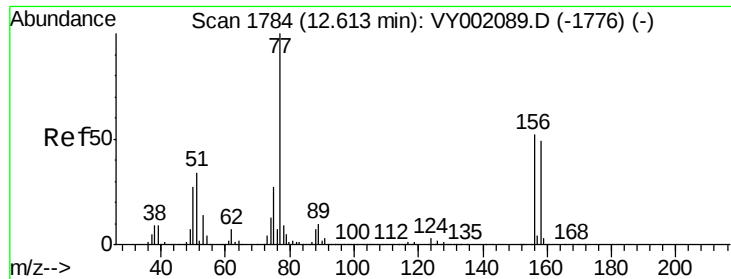
Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	75	Resp:	53113
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





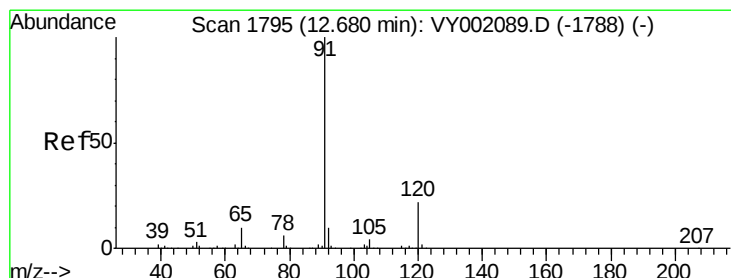
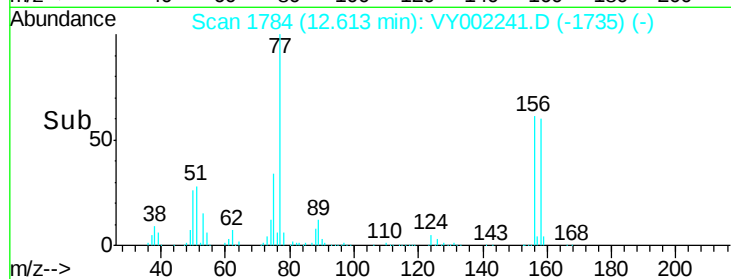
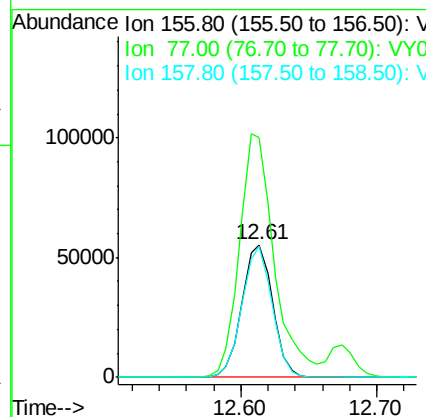
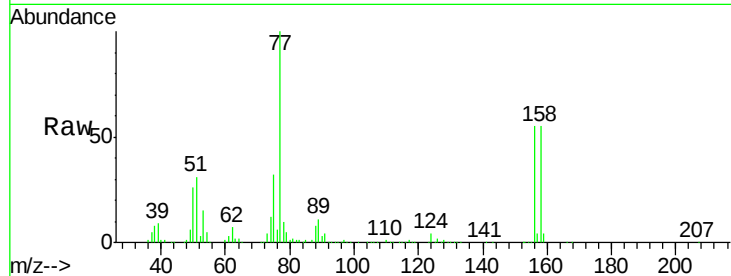
#77
Bromobenzene
Concen: 45.436 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.0	107.8	323.6
158	96.5	47.5	142.6

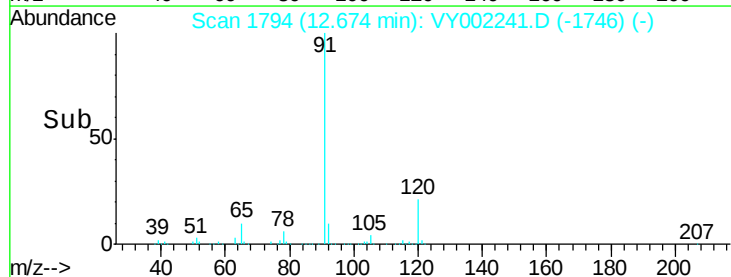
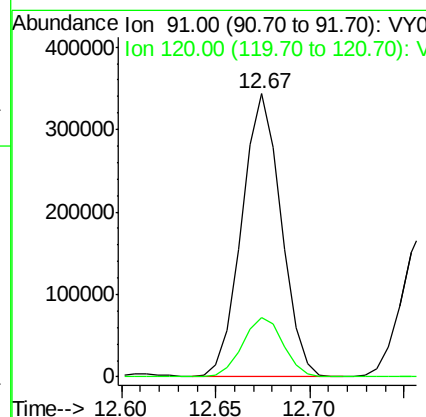
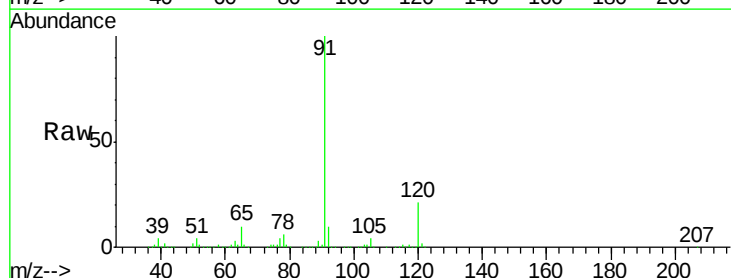
Manual Integrations
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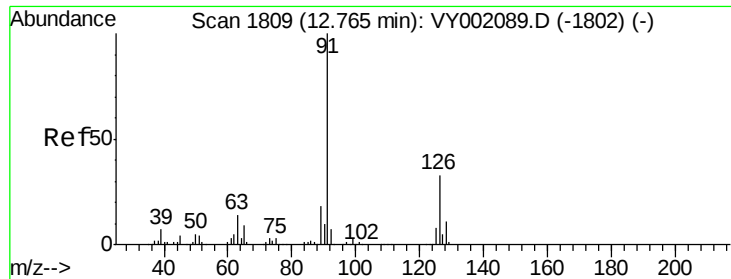
MMDadoda
4/7/2020 7:06:28 PM



#78
n-propylbenzene
Concen: 44.618 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 44.528 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 273156

Ion Ratio Lower Upper

91 100

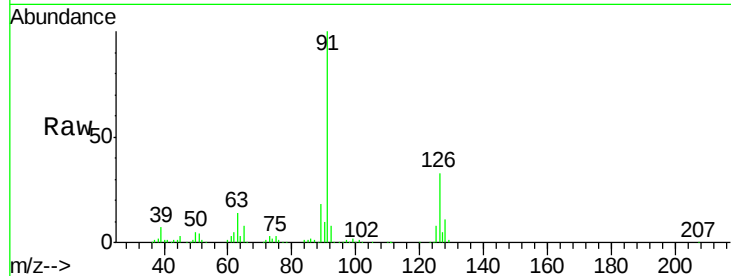
126 33.4 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002089.D (-1802) (-)

300000

250000

200000

150000

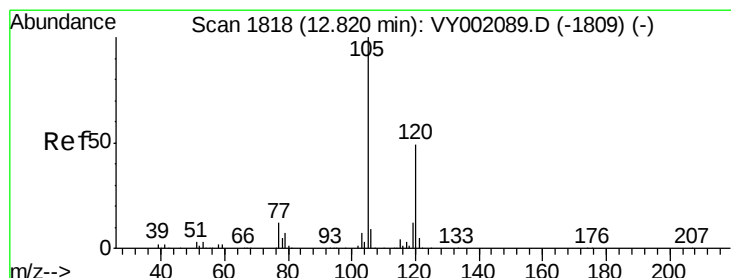
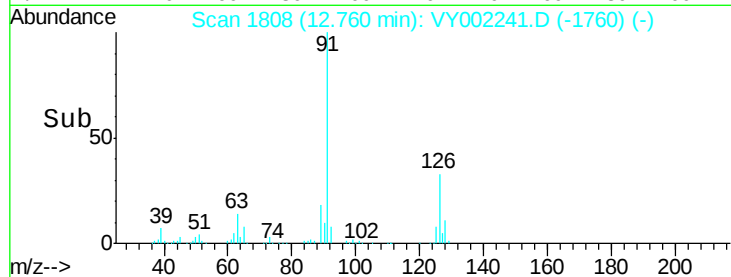
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.973 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002241.D

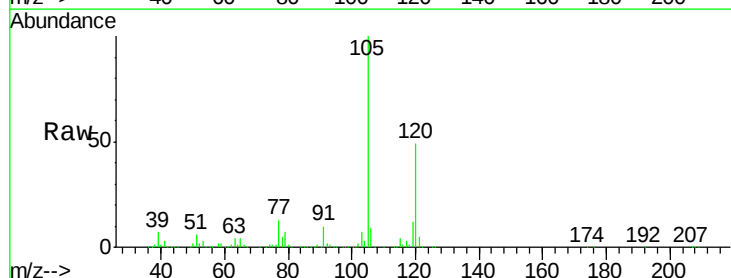
Acq: 06 Apr 2020 16:45

Tgt Ion:105 Resp: 334053

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY002089.D (-1809) (-)

250000

200000

150000

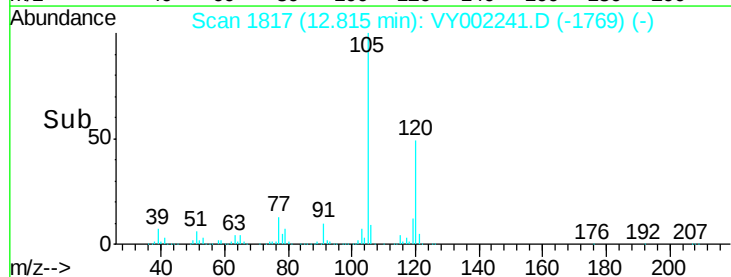
100000

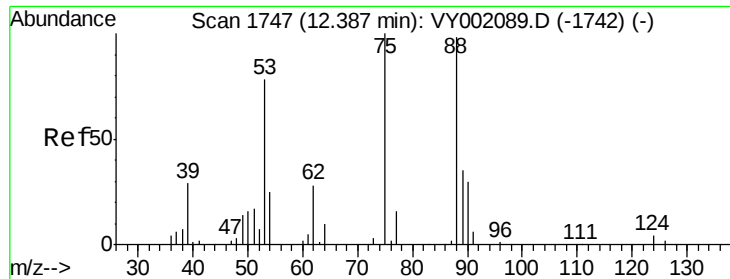
50000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.135 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

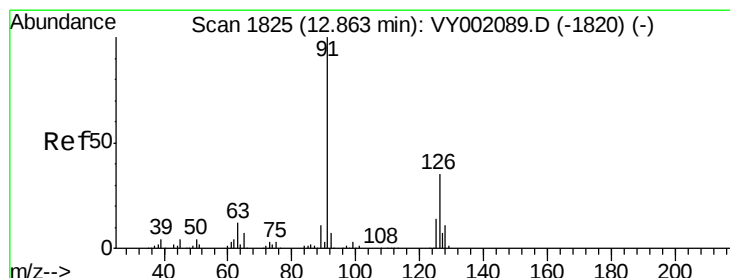
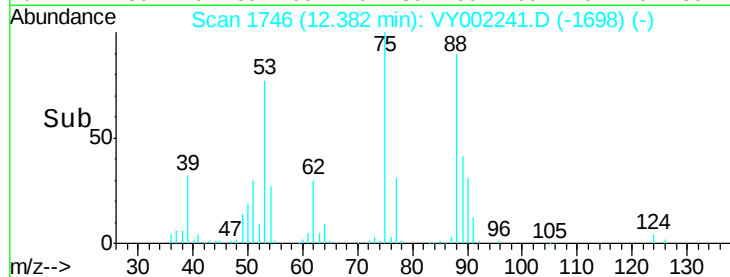
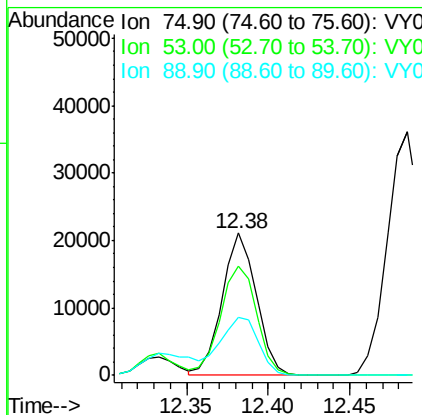
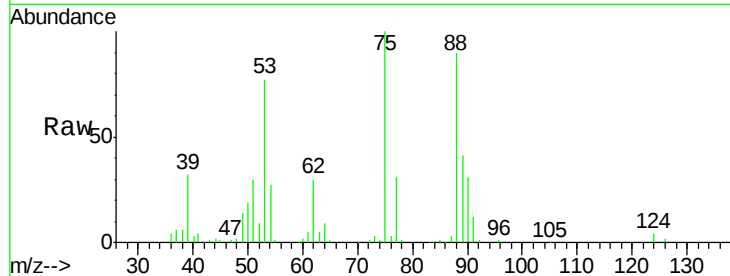
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30928
Ion Ratio	Lower	Upper	
75	100		
53	80.9	65.0	97.4
89	45.5	33.4	50.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.611 ug/l

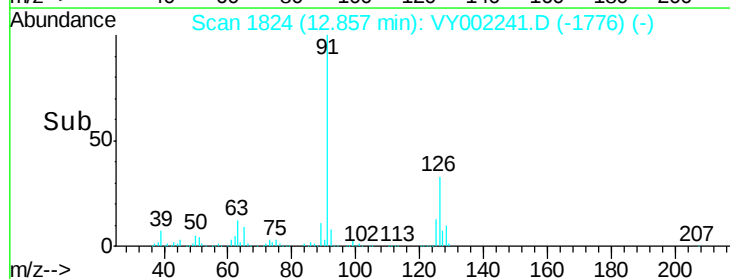
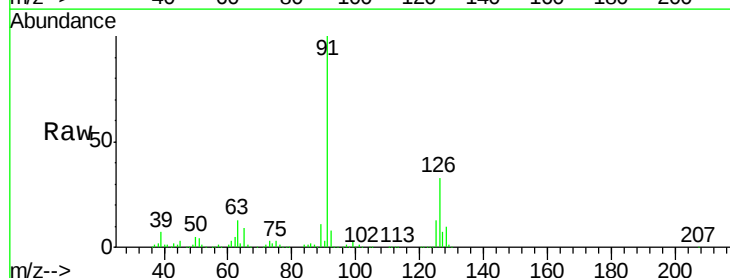
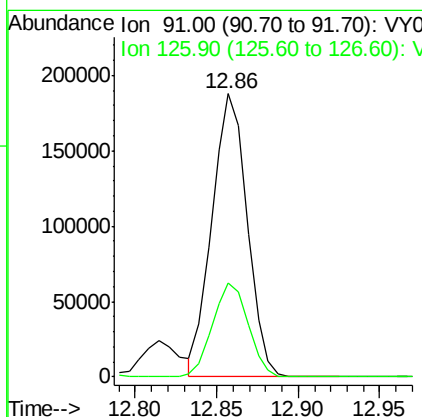
RT: 12.86 min Scan# 1824

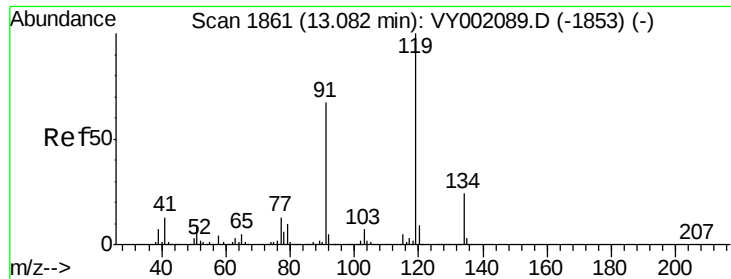
Delta R.T. -0.01 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Tgt Ion:	91	Resp:	281911
Ion Ratio	Lower	Upper	
91	100		
126	34.0	16.3	48.9





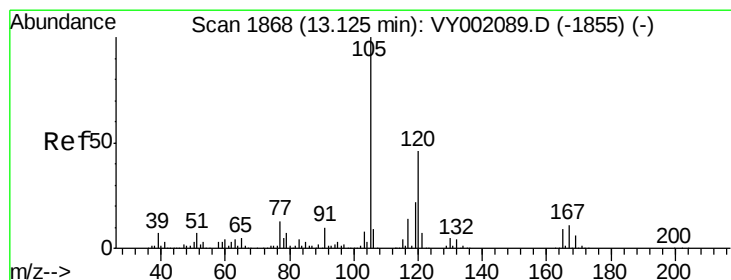
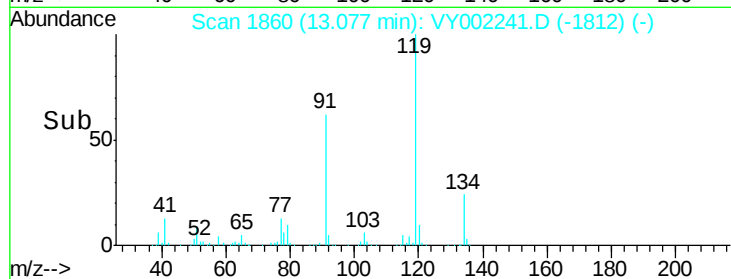
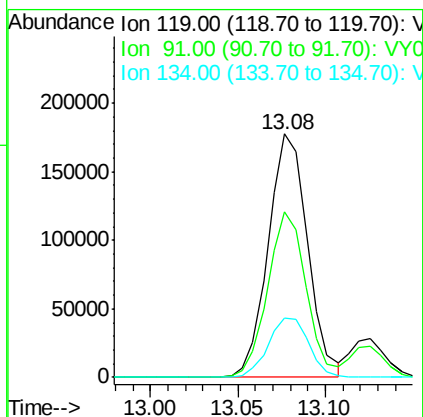
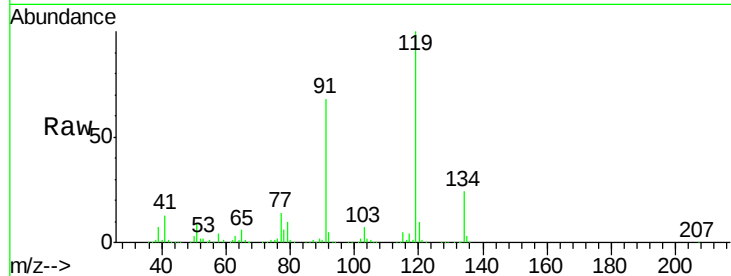
#83
 tert-Butylbenzene
 Concen: 45.034 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279219		
91	66.6		32.9	98.6
134	25.0		13.0	38.9

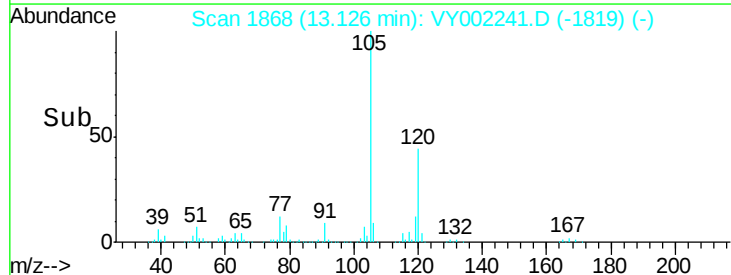
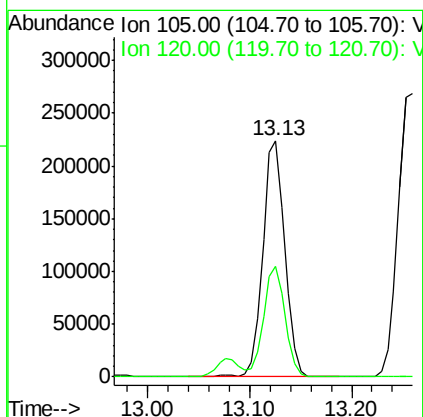
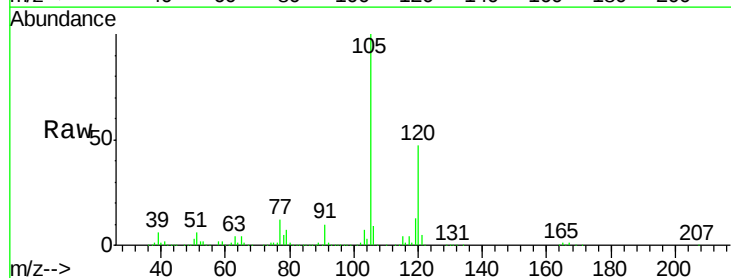
Manual Integrations
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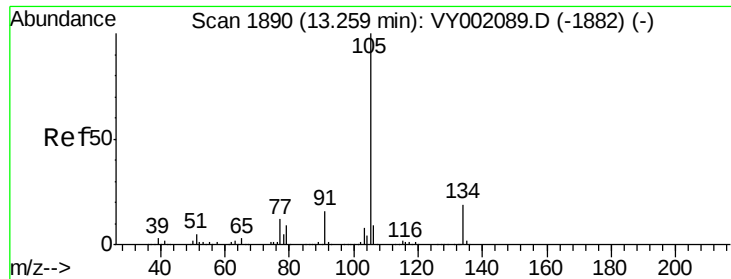
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.381 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	336322		
120	45.9		22.9	68.5





#85

sec-Butylbenzene

Concen: 45.111 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 414279

Ion Ratio Lower Upper

105 100

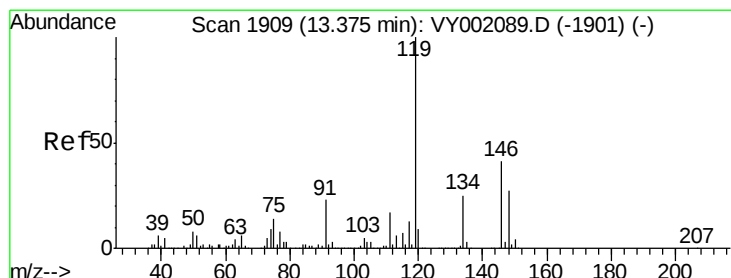
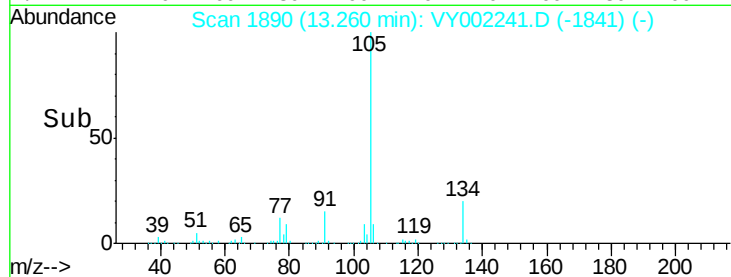
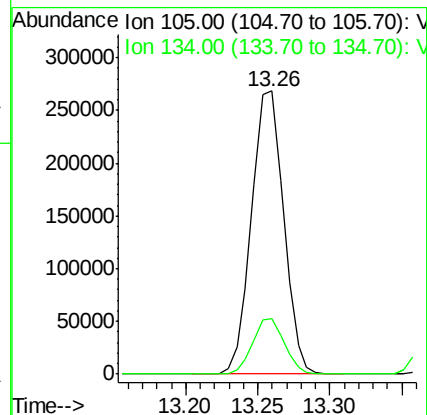
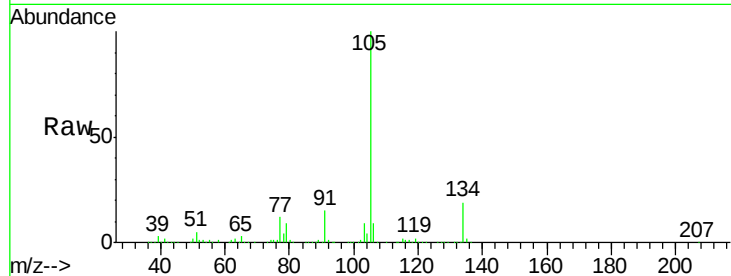
134 19.4 9.7 29.1

Manual Integrations

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4/7/2020 7:06:28 PM



#86

p-Isopropyltoluene

Concen: 45.491 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY002241.D

Acq: 06 Apr 2020 16:45

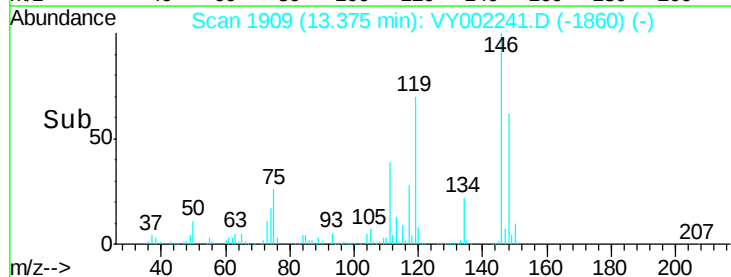
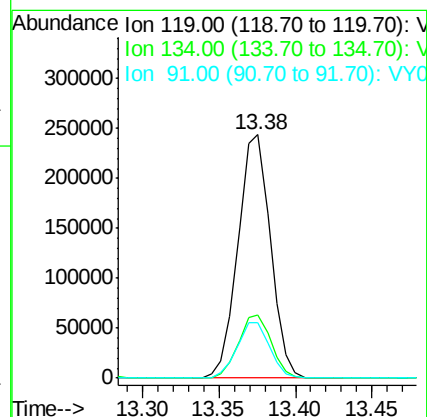
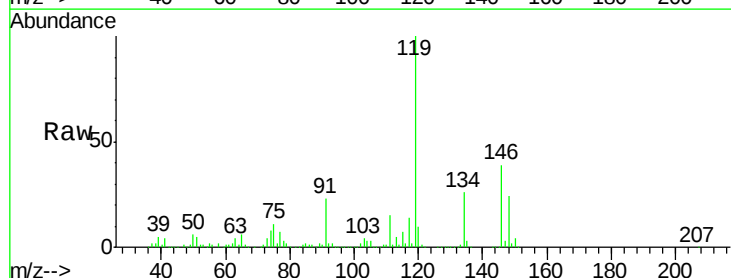
Tgt Ion:119 Resp: 358756

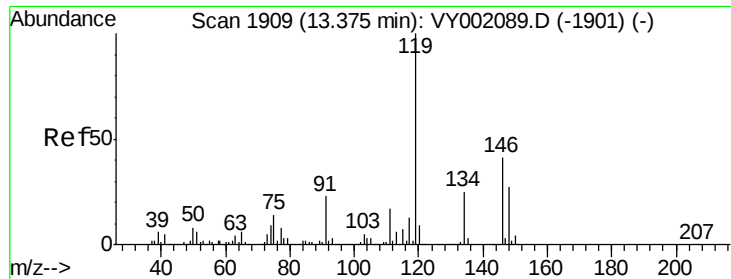
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.0 11.8 35.3





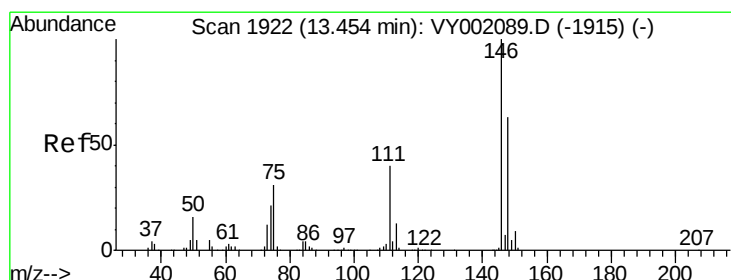
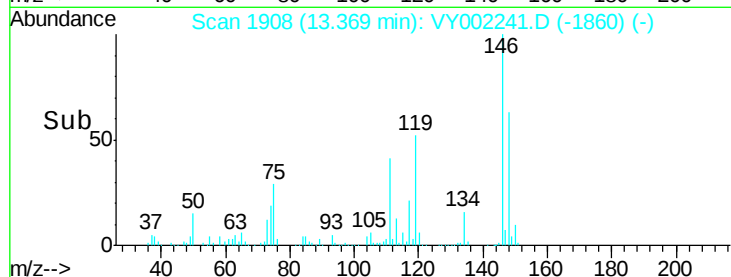
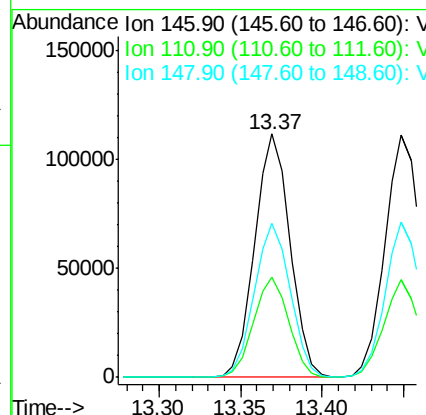
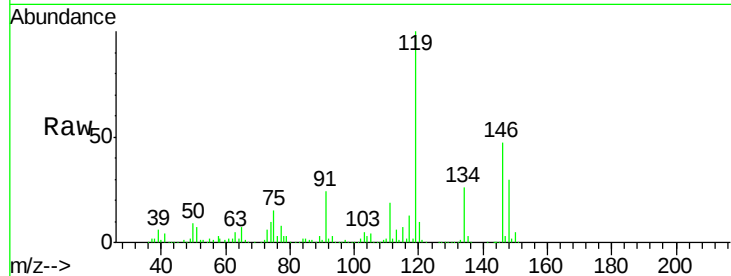
#87
 1,3-Dichlorobenzene
 Concen: 44.841 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168593		
111	40.9	20.9	62.8	
148	64.1	32.1	96.5	

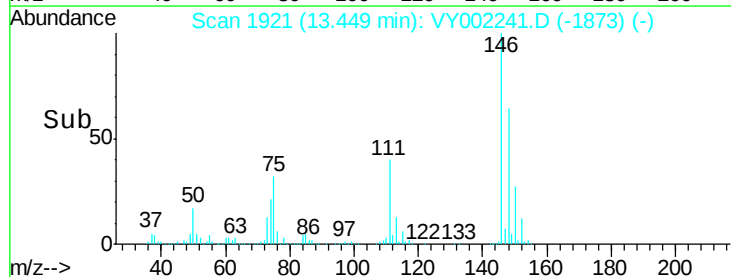
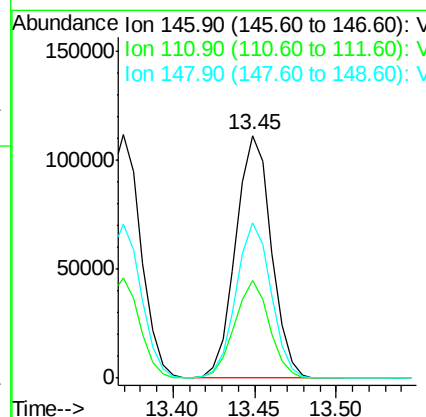
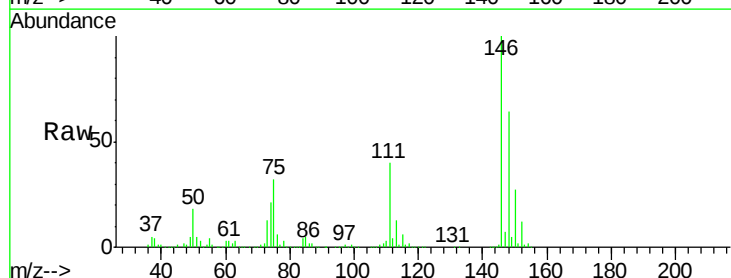
Manual Integrations
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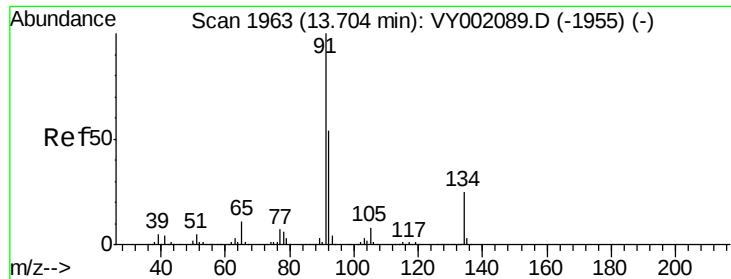
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 44.839 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169648		
111	39.5	20.3	60.9	
148	63.2	31.5	94.5	





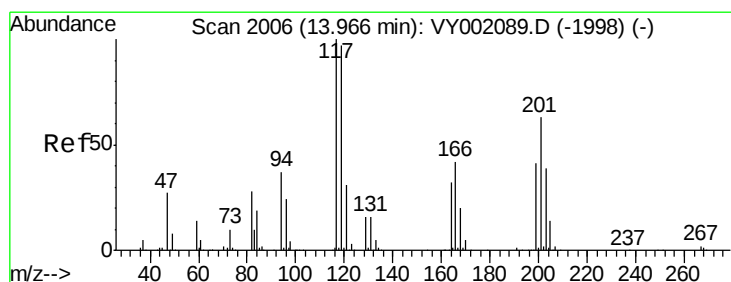
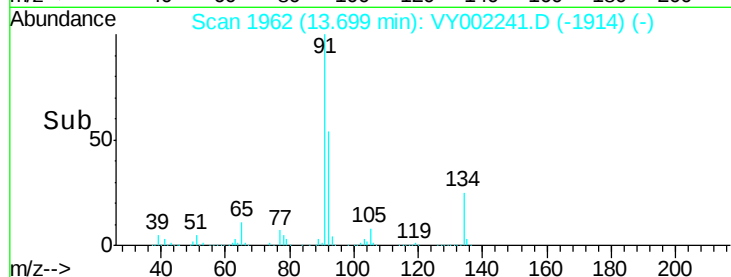
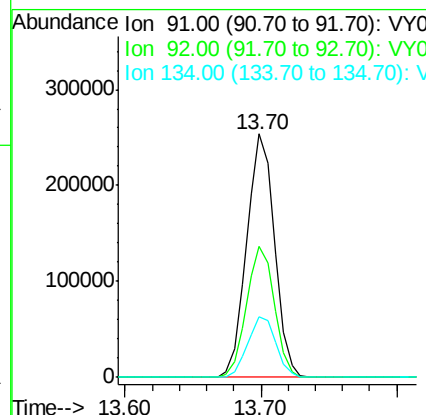
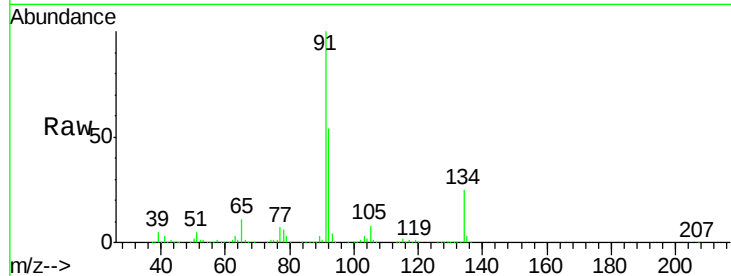
#89
n-Butylbenzene
Concen: 44.141 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.0	81.0	
134	25.2	12.3	36.8	

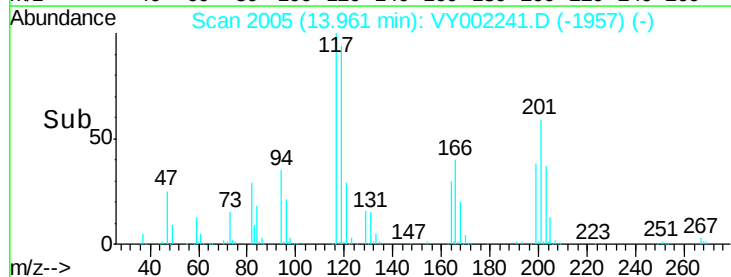
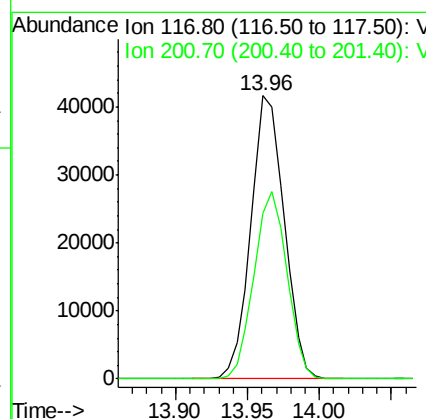
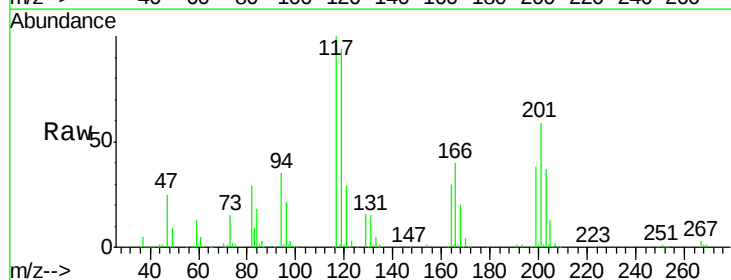
Manual Integrations
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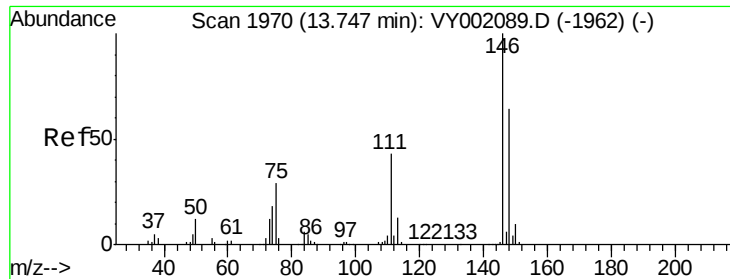
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#90
Hexachloroethane
Concen: 44.878 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.4	31.6	94.8	





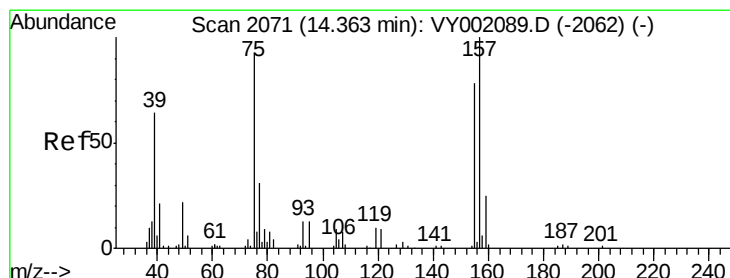
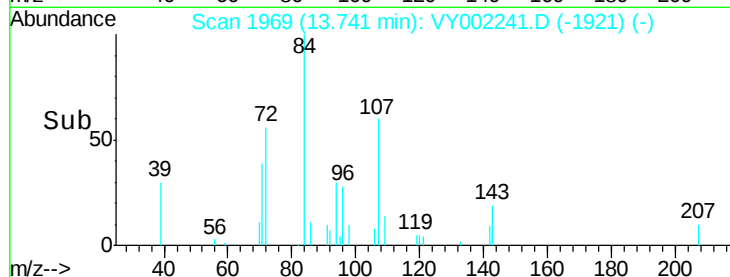
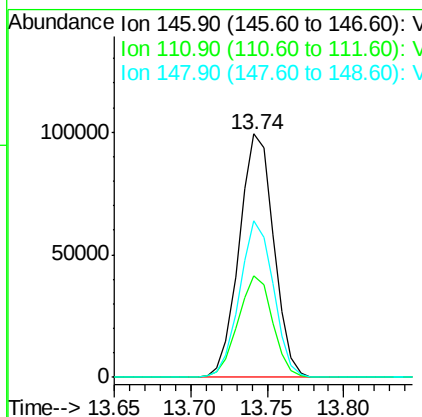
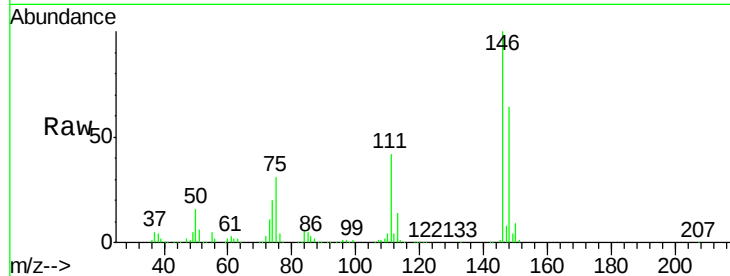
#91
 1,2-Dichlorobenzene
 Concen: 44.816 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	62.9	31.8	95.4

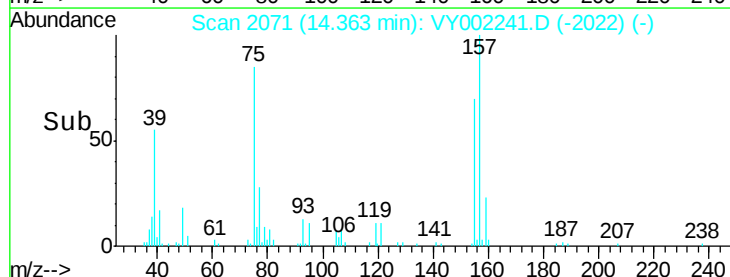
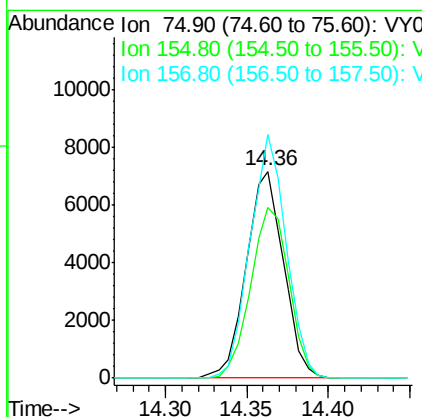
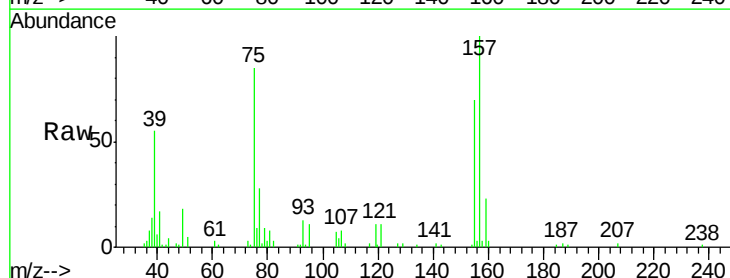
Manual Integrations
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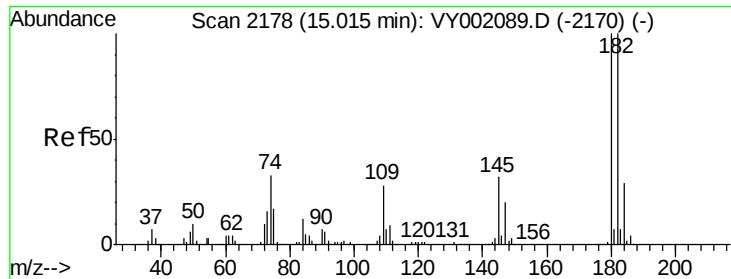
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 4/7/2020 7:06:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.754 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	41.6	124.9
157	113.5	53.4	160.3





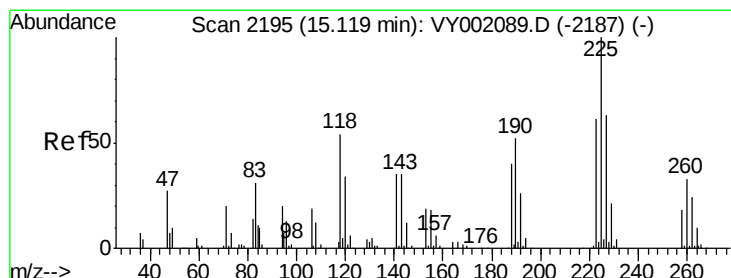
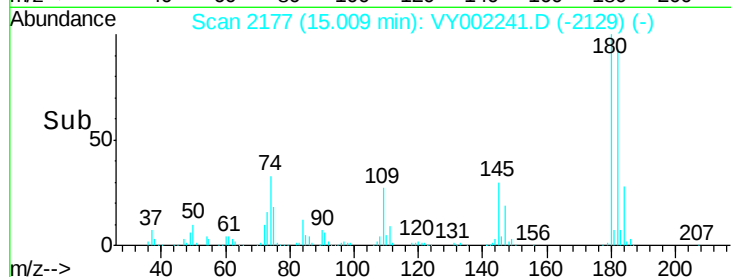
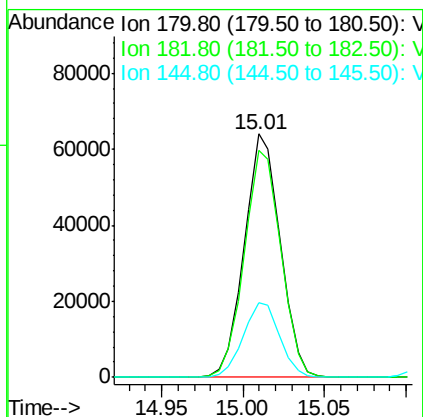
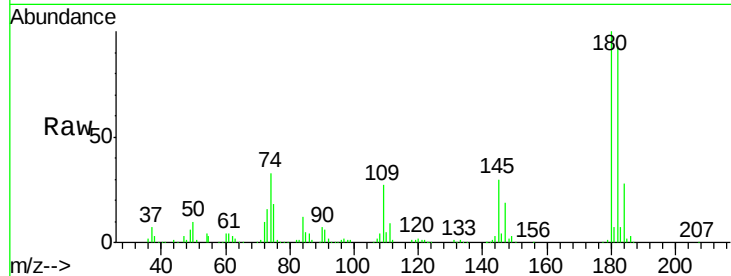
#93
 1,2,4-Trichlorobenzene
 Concen: 43.883 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.3
145	31.4	15.9	47.6

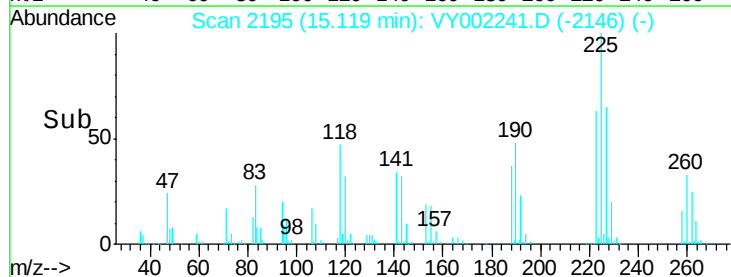
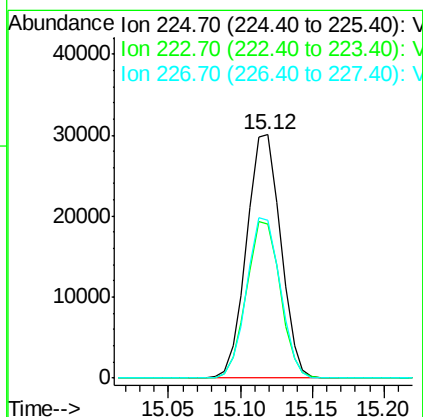
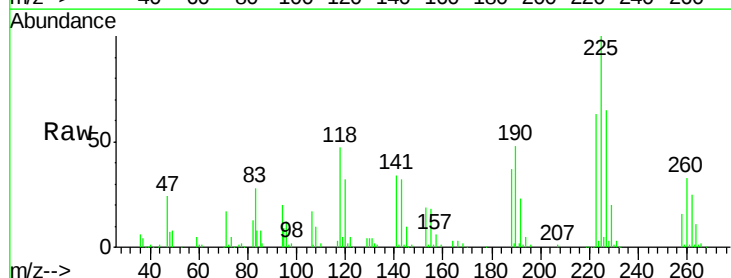
Manual Integrations
 APPROVED

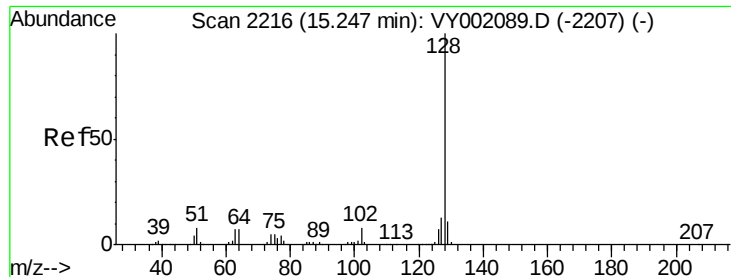
MMDadoda
 4/7/2020 7:06:28 PM



#94
 Hexachlorobutadiene
 Concen: 44.557 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002241.D
 Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	64.8	31.6	94.7





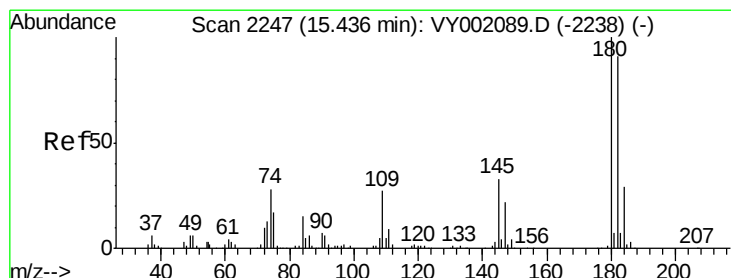
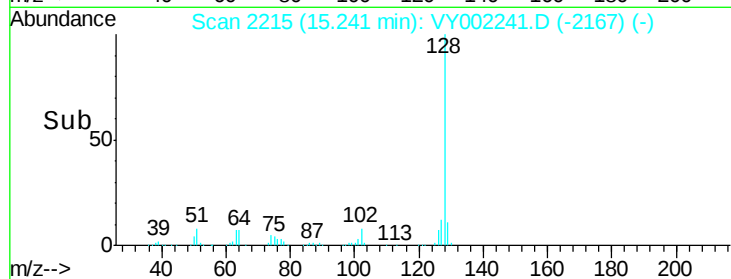
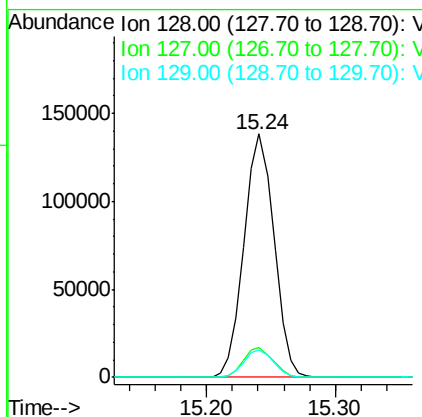
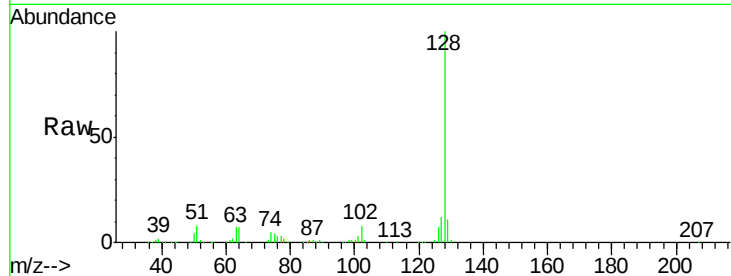
#95
Naphthalene
Concen: 41.941 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222934		
127	12.3		9.8	14.8
129	11.3		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 42.411 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY002241.D
Acq: 06 Apr 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86071		
182	94.3		46.8	140.3
145	33.8		16.7	50.1

