

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002247.D
 Acq On : 08 Apr 2020 12:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:31:52 AM

Quant Time: Apr 08 15:19:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	162382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	264584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	116141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	174542	96.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.32%	
35) Dibromofluoromethane	7.74	113	176729	100.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.58%	
50) Toluene-d8	10.19	98	718723	97.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.86%	
62) 4-Bromofluorobenzene	12.48	95	235518	97.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	151303	92.195	ug/l	95
3) Chloromethane	2.12	50	185605	89.862	ug/l	97
4) Vinyl Chloride	2.26	62	200850	91.360	ug/l	99
5) Bromomethane	2.65	94	118077	86.975	ug/l	98
6) Chloroethane	2.80	64	117759	92.879	ug/l	98
7) Trichlorofluoromethane	3.14	101	259808	91.509	ug/l	99
8) Diethyl Ether	3.55	74	115088	95.352	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	177252	91.909	ug/l	100
10) Methyl Iodide	4.11	142	231954	103.470	ug/l	99
11) Tert butyl alcohol	4.99	59	95182	400.645	ug/l	97
12) 1,1-Dichloroethene	3.89	96	182587	93.122	ug/l	96
13) Acrolein	3.75	56	116275	499.387	ug/l	100
14) Allyl chloride	4.50	41	296040	93.499	ug/l	99
15) Acrylonitrile	5.19	53	297569	482.107	ug/l	100
16) Acetone	3.97	43	220235	463.051	ug/l	95
17) Carbon Disulfide	4.21	76	615121	94.464	ug/l	99
18) Methyl Acetate	4.50	43	139468	94.537	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	494593	95.951	ug/l	100
20) Methylene Chloride	4.74	84	203300	86.965	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	204458	92.902	ug/l	99
22) Diisopropyl ether	6.14	45	578154	90.735	ug/l	98
23) Vinyl Acetate	6.08	43	1920888	473.062	ug/l	99
24) 1,1-Dichloroethane	6.04	63	339298	93.618	ug/l	98
25) 2-Butanone	7.01	43	353282	469.361	ug/l	99
26) 2,2-Dichloropropane	7.00	77	269443	88.874	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	225326	93.922	ug/l	97
28) Bromochloromethane	7.35	49	146953	93.929	ug/l	98
29) Tetrahydrofuran	7.36	42	235872	474.072	ug/l	99
30) Chloroform	7.53	83	320389	93.780	ug/l	99
31) Cyclohexane	7.80	56	332370	87.366	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	269807	94.882	ug/l	99
36) 1,1-Dichloropropene	7.93	75	268622	92.550	ug/l	99
37) Ethyl Acetate	7.10	43	153900	92.817	ug/l	99
38) Carbon Tetrachloride	7.92	117	233245	93.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	365728	92.631	ug/l	98
40) Benzene	8.17	78	821057	93.239	ug/l	99
41) Methacrylonitrile	7.35	41	93637m	85.483	ug/l	
42) 1,2-Dichloroethane	8.25	62	204538	93.766	ug/l	100
43) Isopropyl Acetate	8.28	43	290948	96.212	ug/l	100
44) Trichloroethene	8.95	130	241340	93.217	ug/l	95
45) 1,2-Dichloropropane	9.23	63	204021	93.377	ug/l	100
46) Dibromomethane	9.31	93	108209	94.721	ug/l	99
47) Bromodichloromethane	9.51	83	253018	96.525	ug/l	99
48) Methyl methacrylate	9.30	41	131273	96.813	ug/l	97
49) 1,4-Dioxane	9.31	88	30804	1906.195	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	750427	476.232	ug/l	100
52) Toluene	10.25	92	498965	94.021	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	279405	97.831	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	329570	95.984	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	158963	95.043	ug/l	97
56) Ethyl methacrylate	10.52	69	234183	98.103	ug/l	98
57) 1,3-Dichloropropane	10.80	76	278420	94.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	599662	485.100	ug/l	100
59) 2-Hexanone	10.84	43	521733	477.069	ug/l	99
60) Dibromochloromethane	10.99	129	176892	99.187	ug/l	99
61) 1,2-Dibromoethane	11.09	107	153988	96.710	ug/l	100
64) Tetrachloroethene	10.72	164	249698	93.345	ug/l	99
65) Chlorobenzene	11.52	112	509744	92.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	172197	94.829	ug/l	98
67) Ethyl Benzene	11.60	91	938695	93.230	ug/l	100
68) m/p-Xylenes	11.71	106	702650	186.323	ug/l	99
69) o-Xylene	12.03	106	330343	93.304	ug/l	98
70) Styrene	12.05	104	577913	94.083	ug/l	99
71) Bromoform	12.21	173	99265	100.523	ug/l #	100
73) Isopropylbenzene	12.33	105	868520	95.189	ug/l	99
74) N-amyl acetate	12.15	43	252749	97.586	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	111138	100.677	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	125555m	53.960	ug/l	
77) Bromobenzene	12.61	156	193797	96.542	ug/l	98
78) n-propylbenzene	12.67	91	1065611	93.905	ug/l	99
79) 2-Chlorotoluene	12.76	91	584078	94.711	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	714015	94.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69897	100.803	ug/l	96
82) 4-Chlorotoluene	12.86	91	595280	92.097	ug/l	98
83) tert-Butylbenzene	13.08	119	589225	93.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	707228	93.857	ug/l	100
85) sec-Butylbenzene	13.26	105	866638	92.041	ug/l	100
86) p-Isopropyltoluene	13.38	119	748407	92.352	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	358686	92.198	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	363240	91.982	ug/l	99
89) n-Butylbenzene	13.70	91	755002	90.891	ug/l	100
90) Hexachloroethane	13.97	117	146287	94.730	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	331274	93.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26409	98.916	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	208439	90.209	ug/l	99
94) Hexachlorobutadiene	15.12	225	105030	90.249	ug/l	100
95) Naphthalene	15.24	128	490659	96.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	181732	90.578	ug/l	100

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

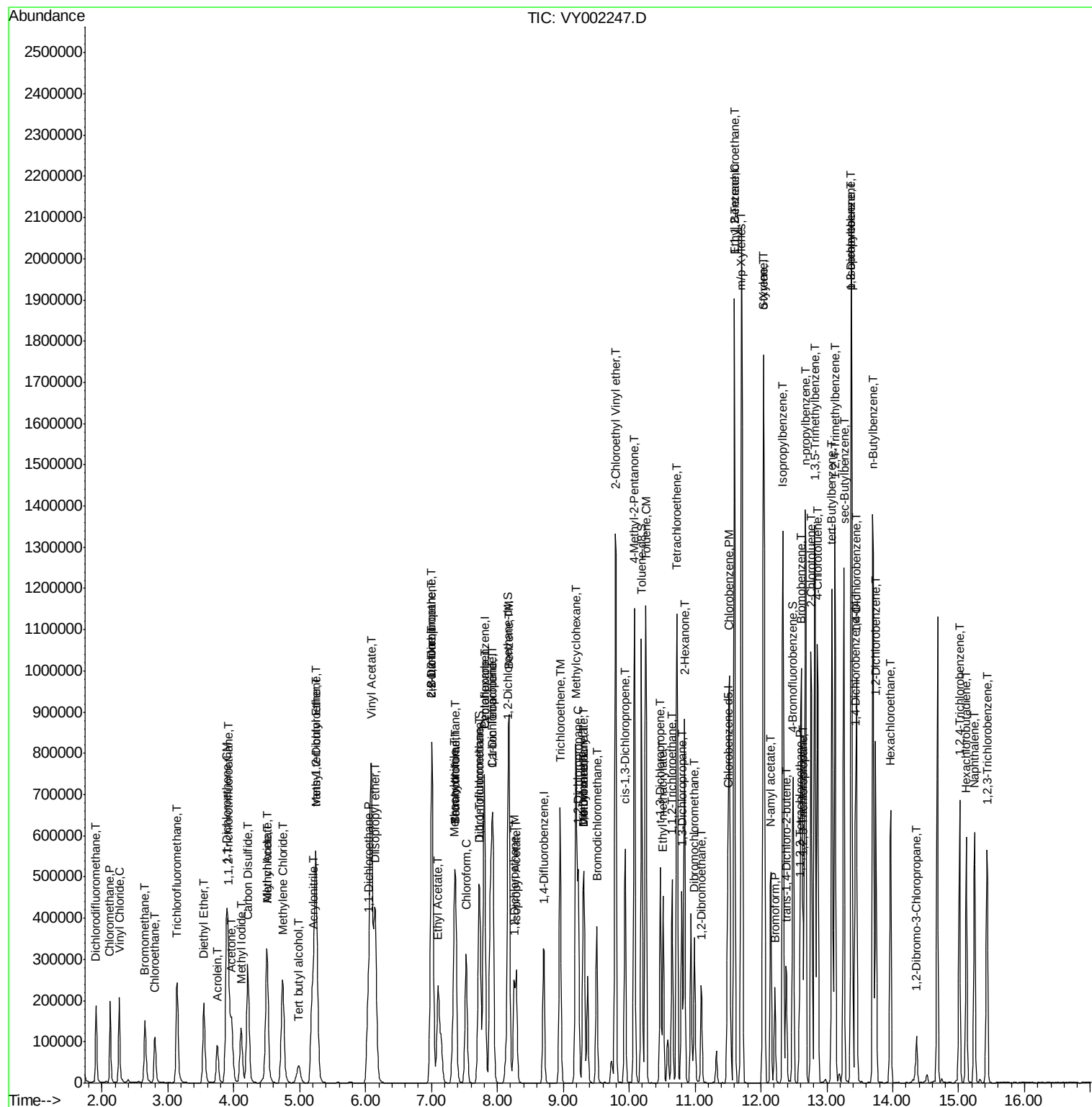
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
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Operator : SY/MD
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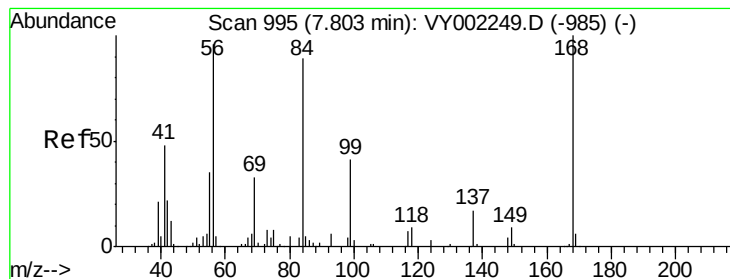
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 162382

Ion Ratio Lower Upper

168 100

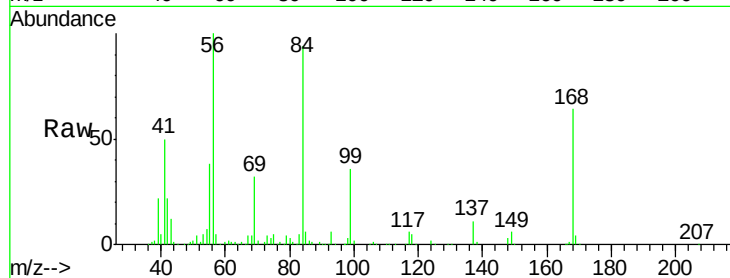
99 56.2 48.0 72.0

Manual Integrations

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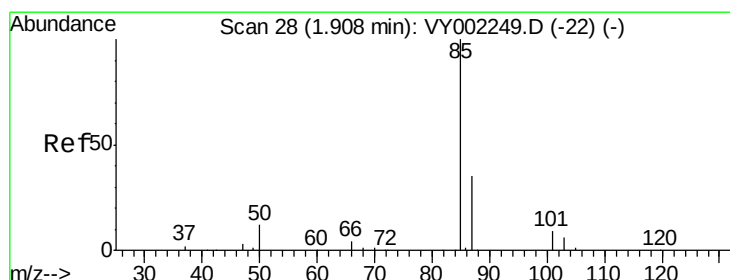
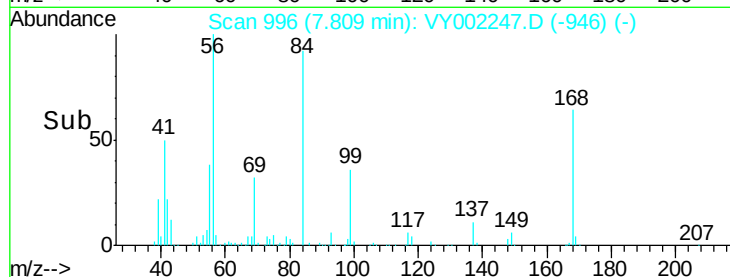
Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 92.195 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002247.D

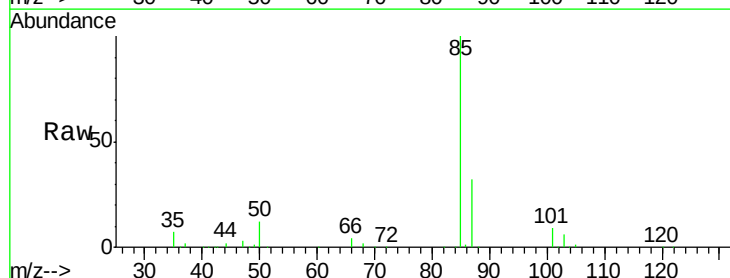
Acq: 08 Apr 2020 12:52

Tgt Ion: 85 Resp: 151303

Ion Ratio Lower Upper

85 100

87 31.7 17.3 51.9



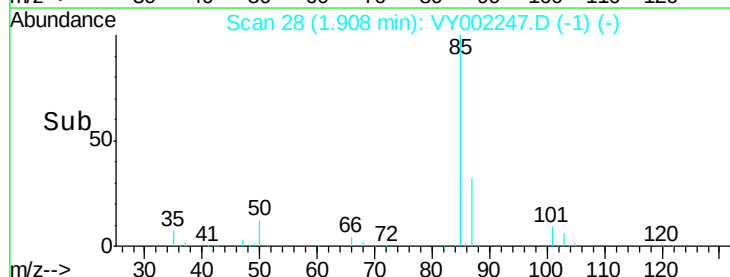
Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

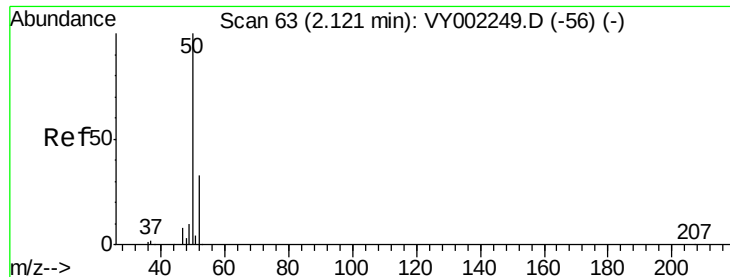
Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 89.862 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 185605

Ion Ratio Lower Upper

50 100

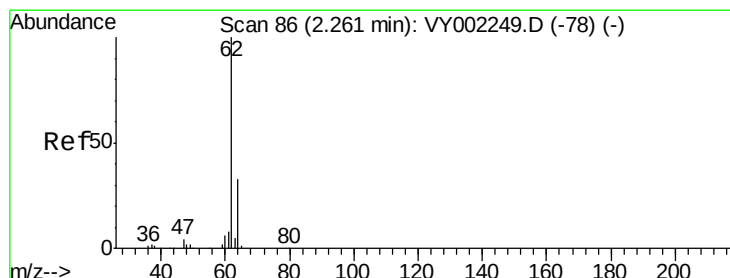
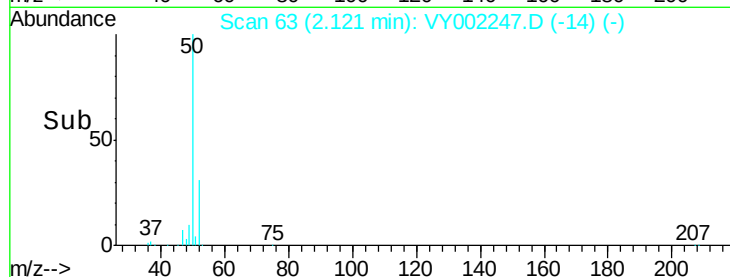
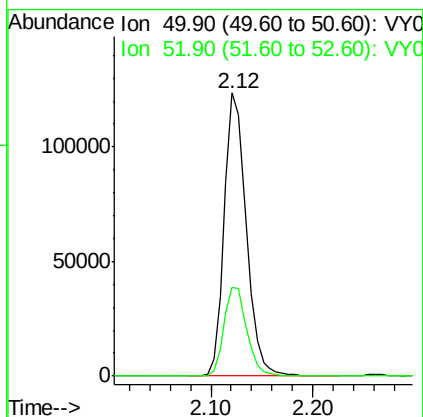
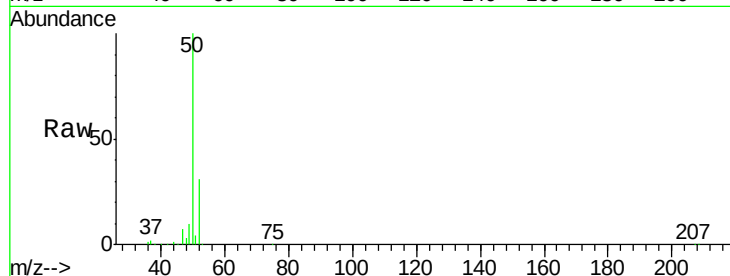
52 31.3 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.360 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002247.D

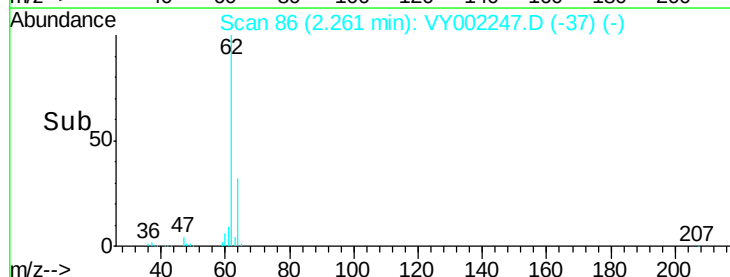
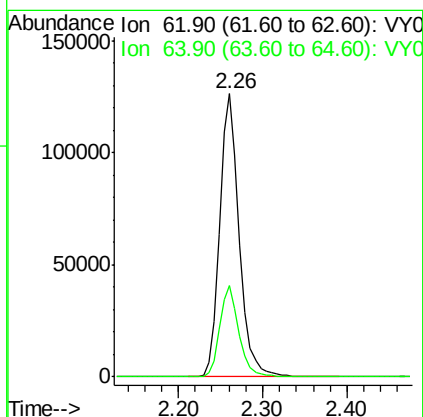
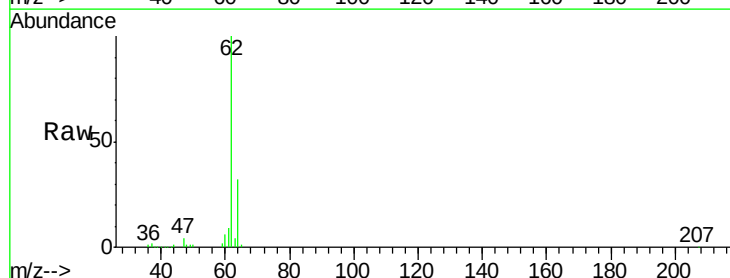
Acq: 08 Apr 2020 12:52

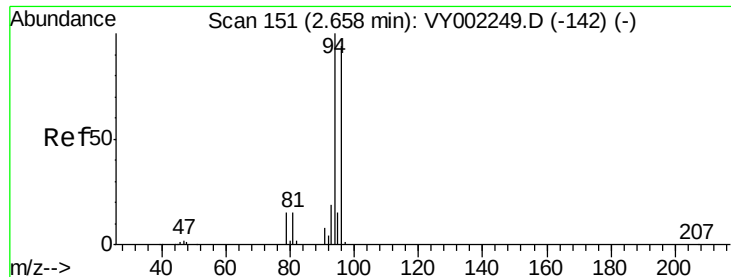
Tgt Ion: 62 Resp: 200850

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 86.975 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 118077

Ion Ratio Lower Upper

94 100

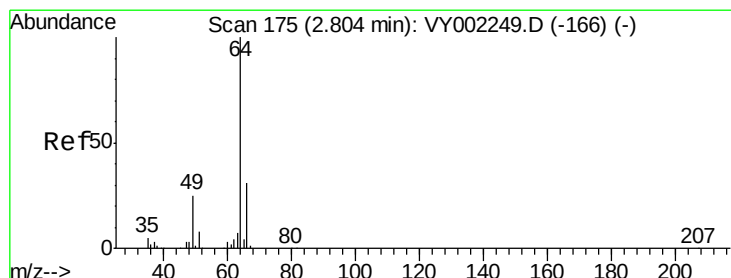
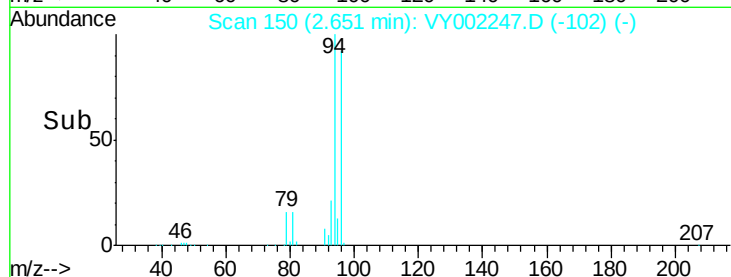
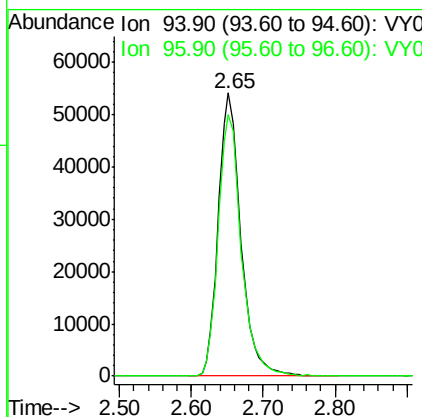
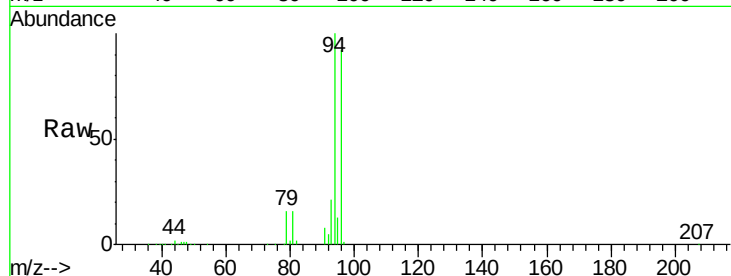
96 92.4 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 92.879 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002247.D

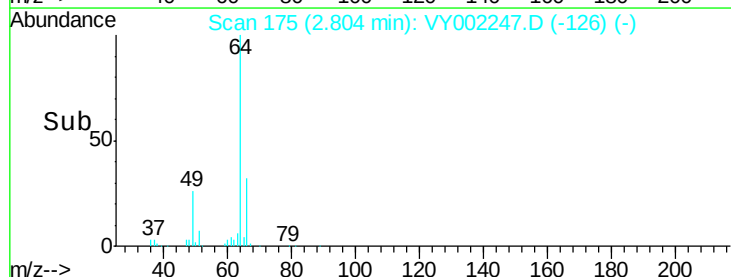
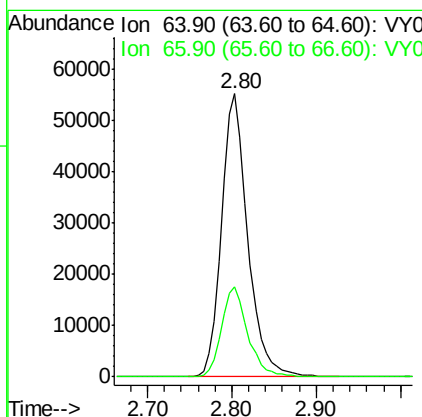
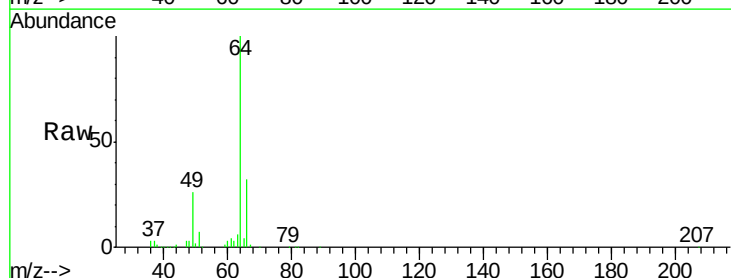
Acq: 08 Apr 2020 12:52

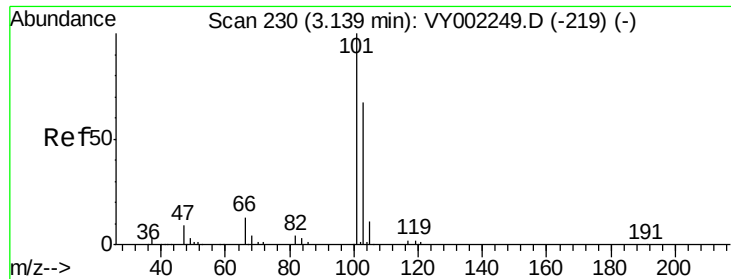
Tgt Ion: 64 Resp: 117759

Ion Ratio Lower Upper

64 100

66 31.9 24.6 37.0





#7

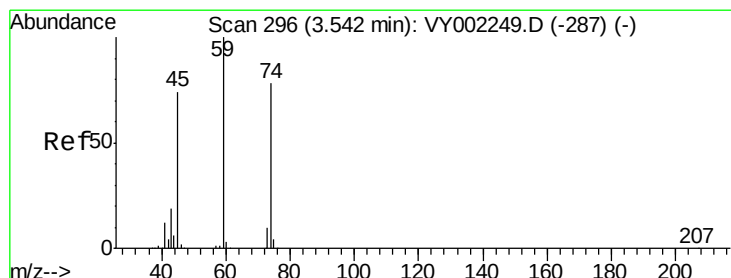
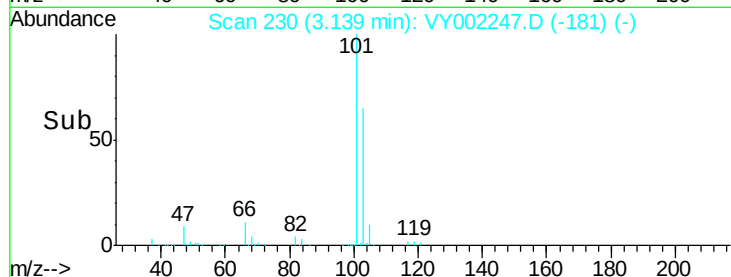
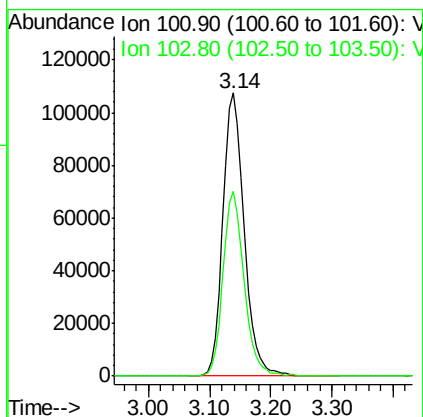
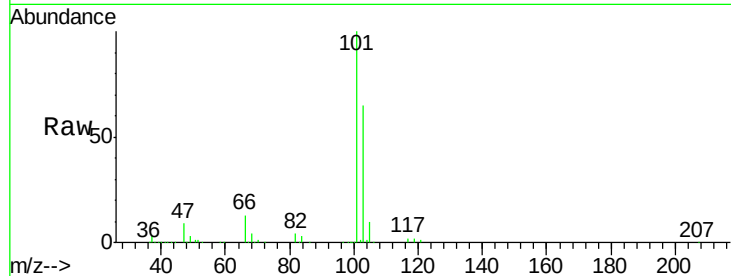
Trichlorofluoromethane
 Concen: 91.509 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.3	79.9

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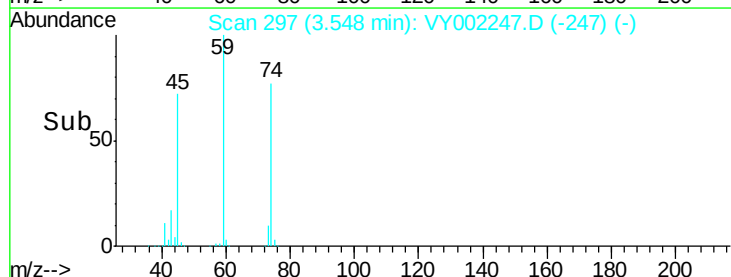
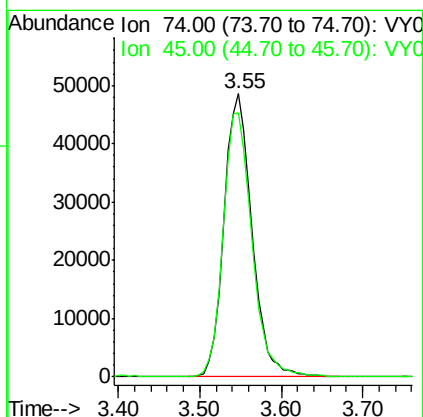
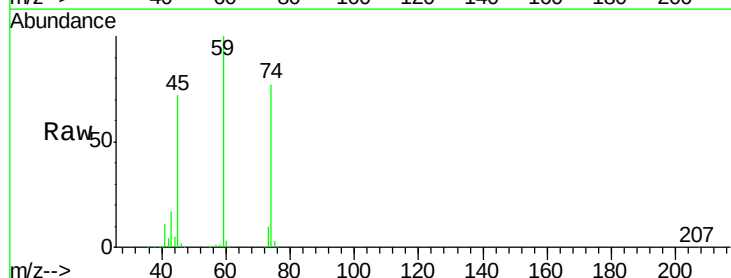
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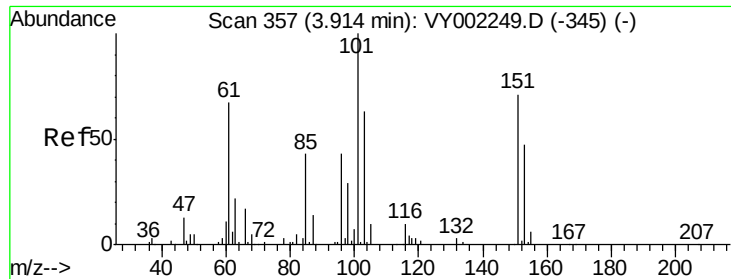


#8

Diethyl Ether
 Concen: 95.352 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.909 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002247.D

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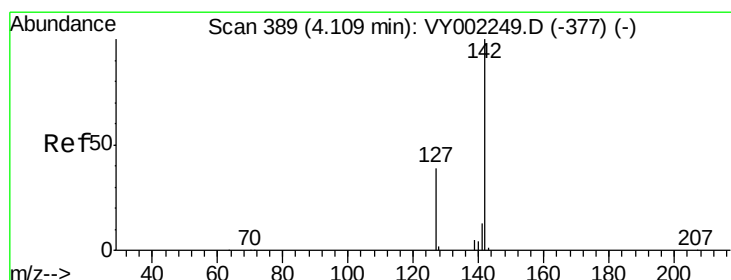
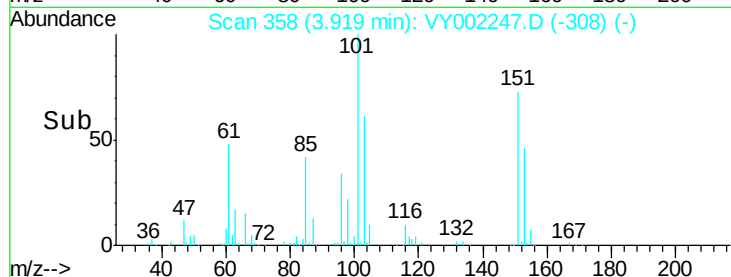
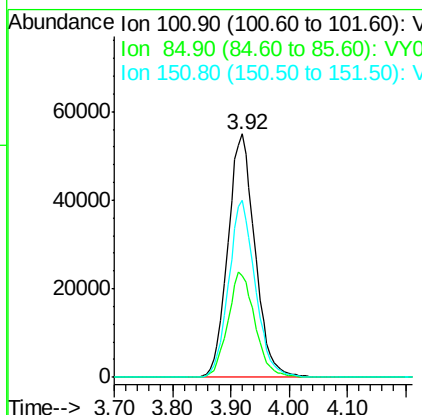
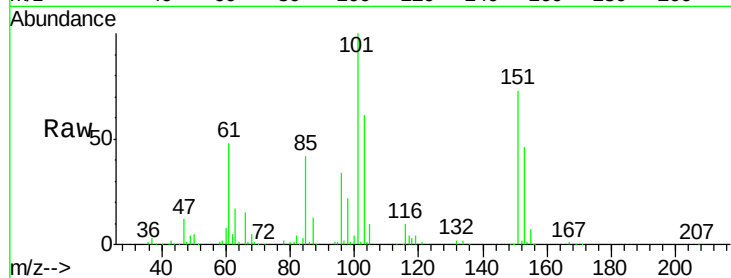
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	177252
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	52.0
151	71.5	57.6	86.4

Manual Integrations
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#10

Methyl Iodide

Concen: 103.470 ug/l

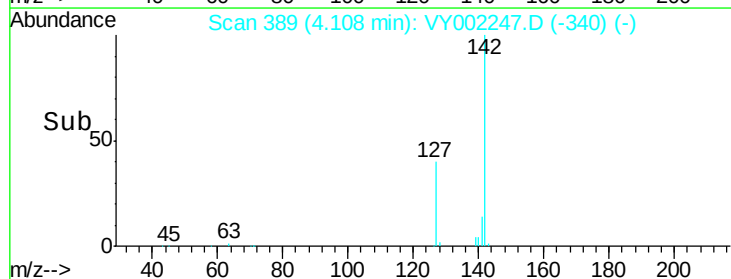
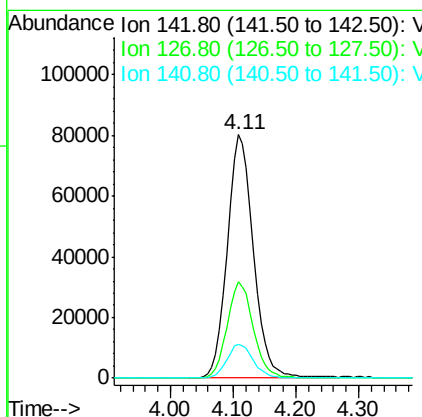
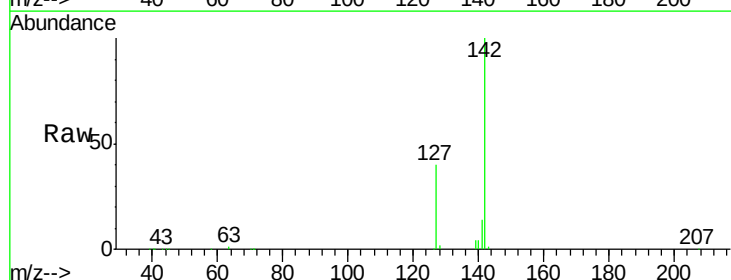
RT: 4.11 min Scan# 389

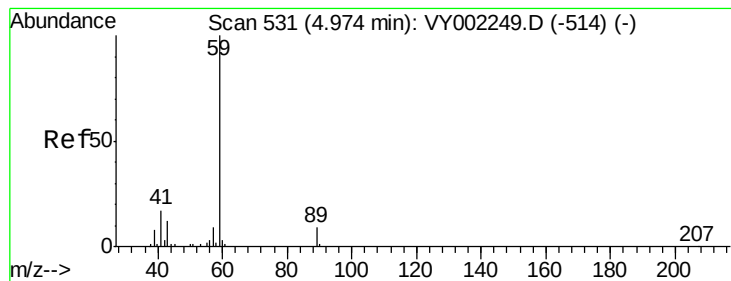
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	142	Resp:	231954
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.4	48.6
141	14.0	11.2	16.8





#11

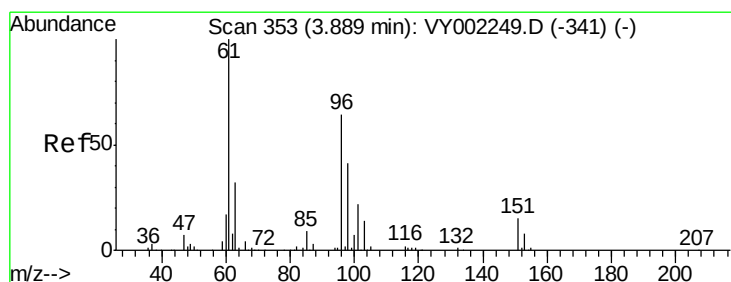
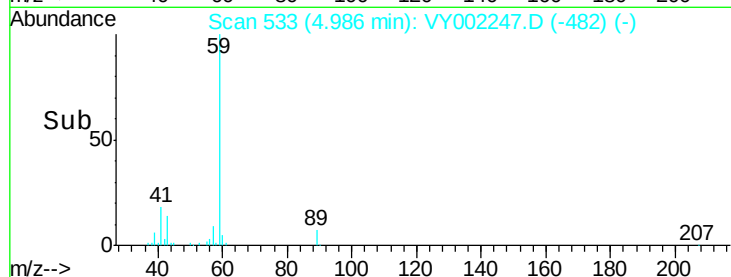
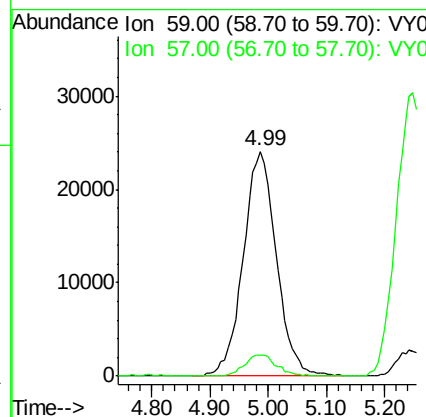
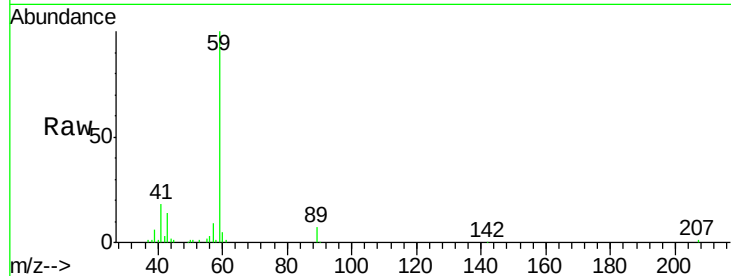
Tert butyl alcohol
 Concen: 400.645 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	95182
Ion Ratio	100	Lower	Upper
57	9.2	6.6	9.8

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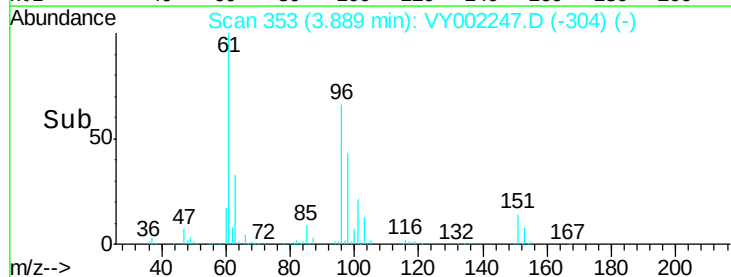
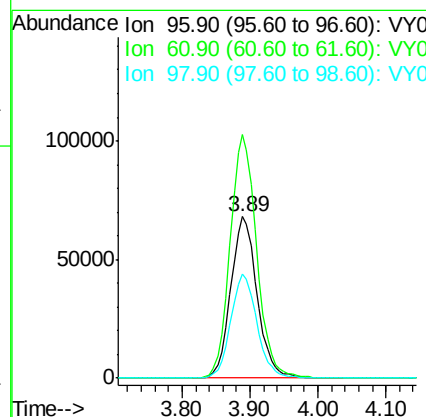
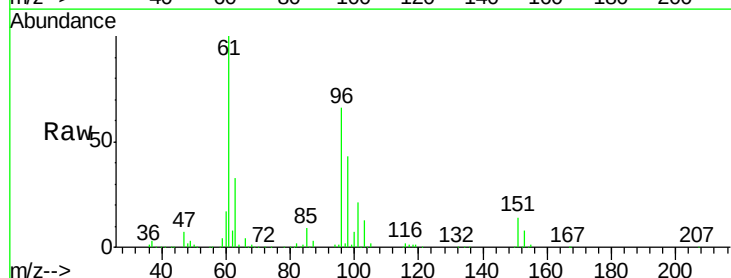
MMDadoda
 4/9/2020 11:31:52 AM

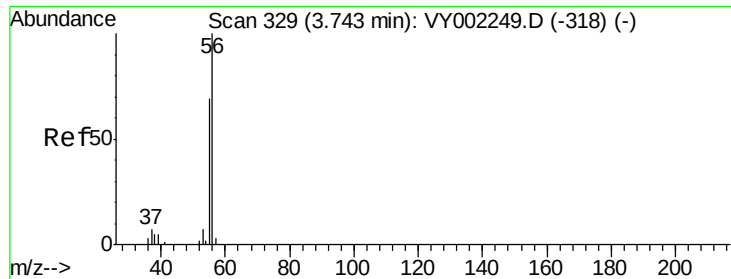


#12

1,1-Dichloroethene
 Concen: 93.122 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	96	Resp	182587
Ion Ratio	100	Lower	Upper
61	151.0	125.9	188.9
98	64.9	51.1	76.7





#13

Acrolein

Concen: 499.387 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 116275

Ion Ratio Lower Upper

56 100

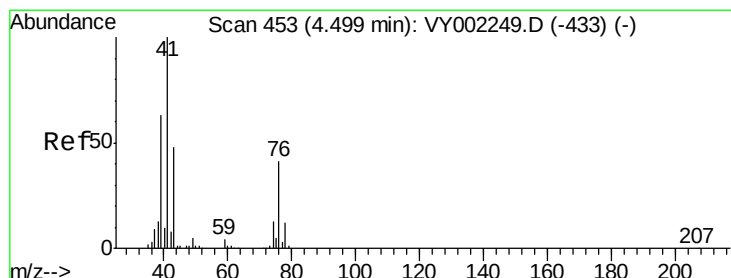
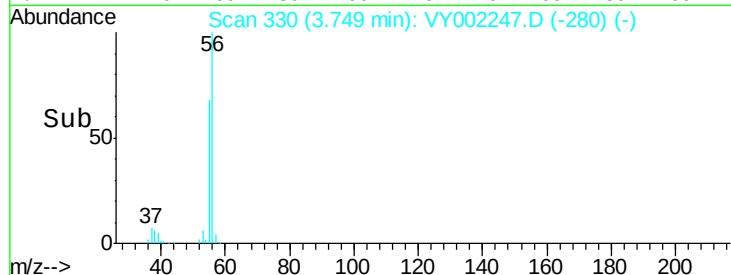
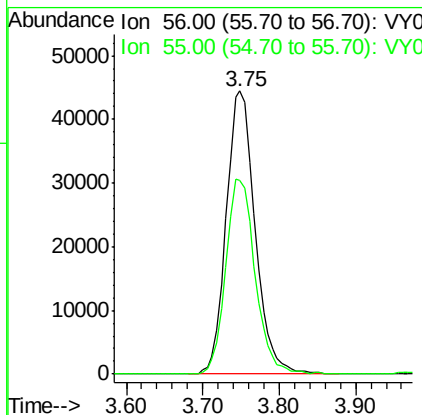
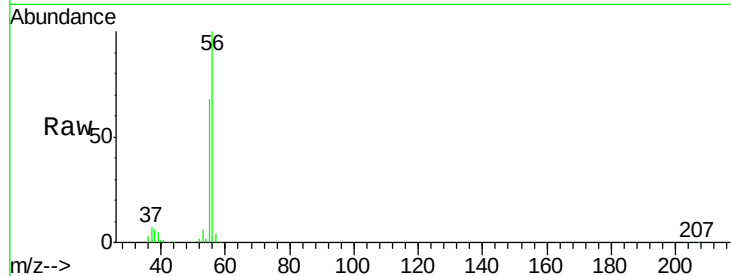
55 69.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 93.499 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

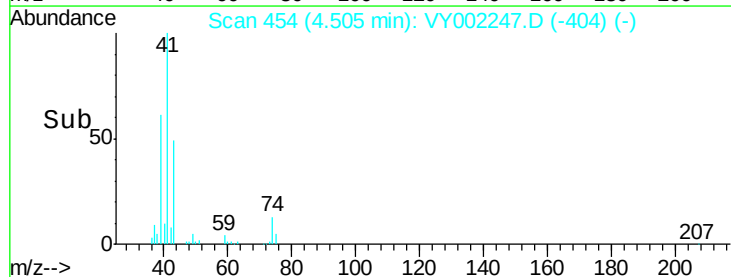
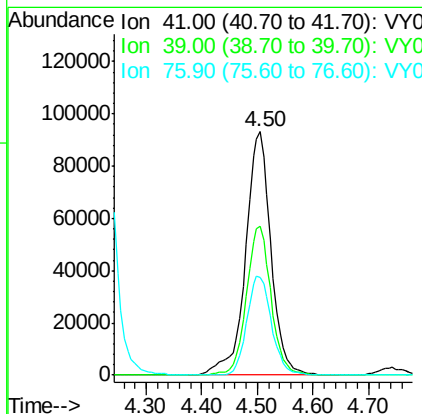
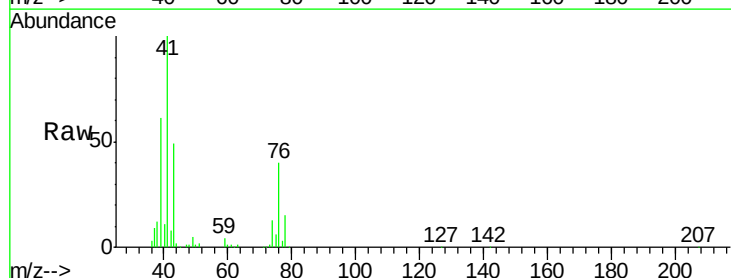
Tgt Ion: 41 Resp: 296040

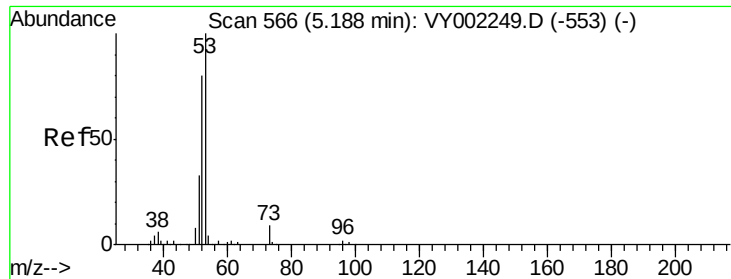
Ion Ratio Lower Upper

41 100

39 59.4 48.0 72.0

76 39.5 31.0 46.6





#15

Acrylonitrile

Concen: 482.107 ug/l

RT: 5.19 min Scan# 567

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

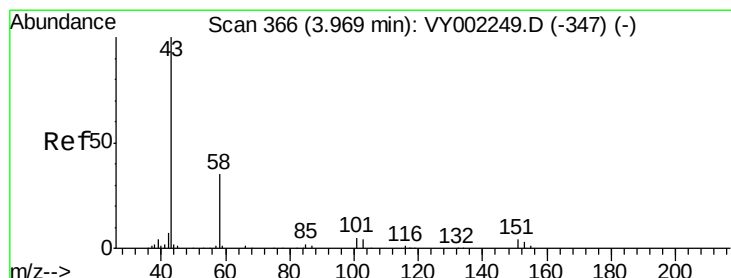
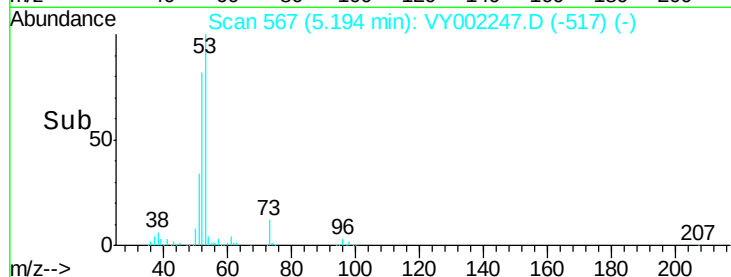
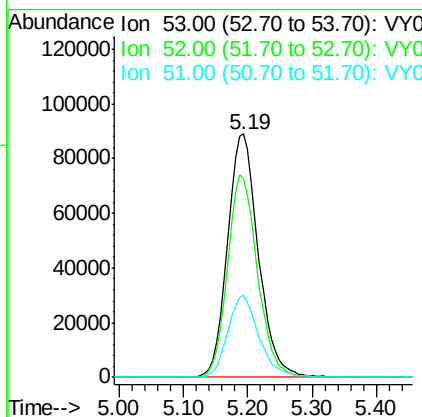
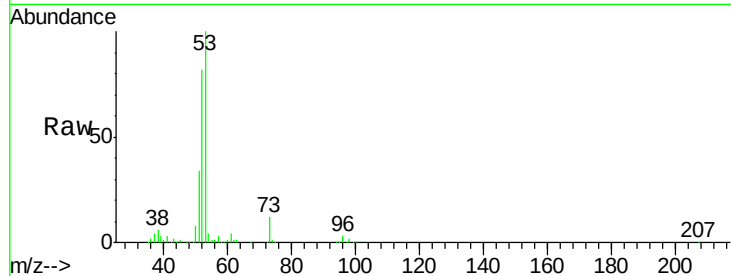
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	297569
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.1	97.7
51	34.1	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 463.051 ug/l

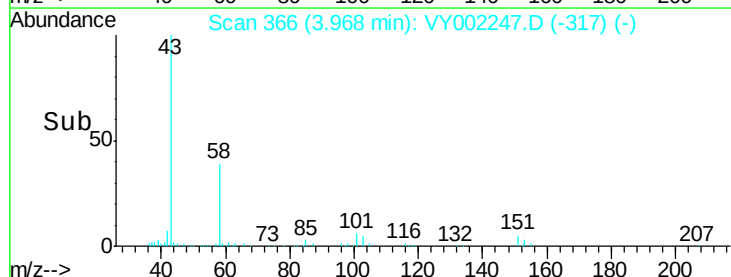
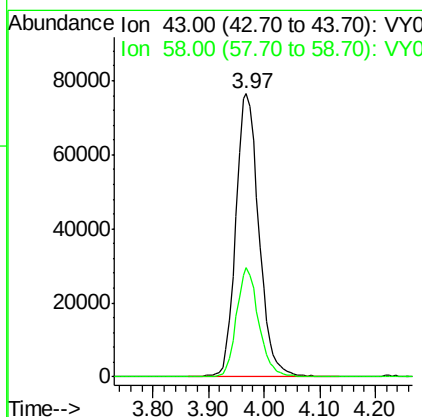
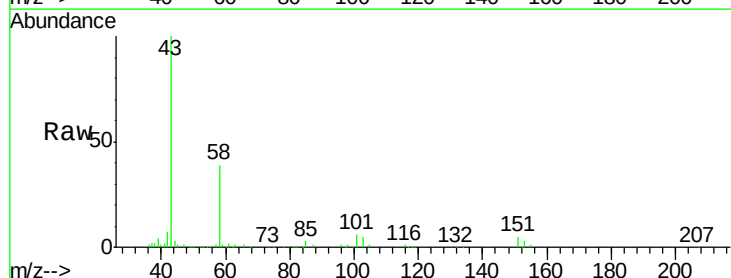
RT: 3.97 min Scan# 366

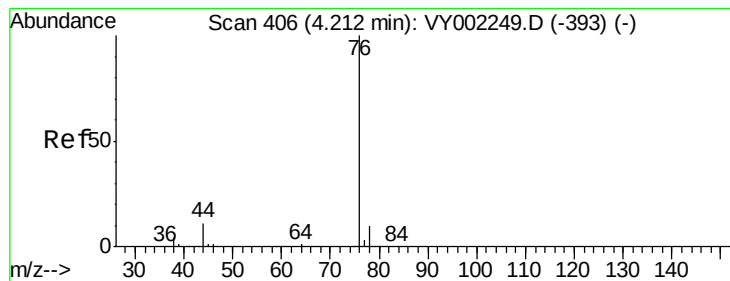
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	43	Resp:	220235
Ion	Ratio	Lower	Upper
43	100		
58	38.7	28.5	42.7





#17

Carbon Disulfide

Concen: 94.464 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 615121

Ion Ratio Lower Upper

76 100

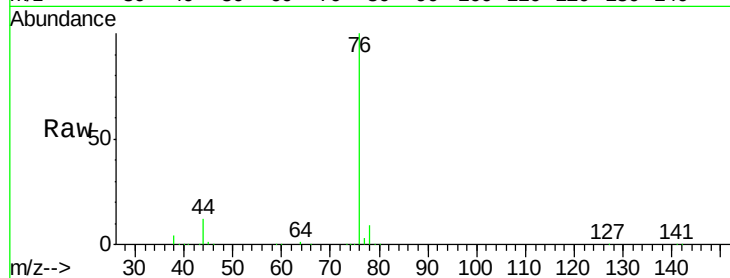
78 9.1 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

250000

200000

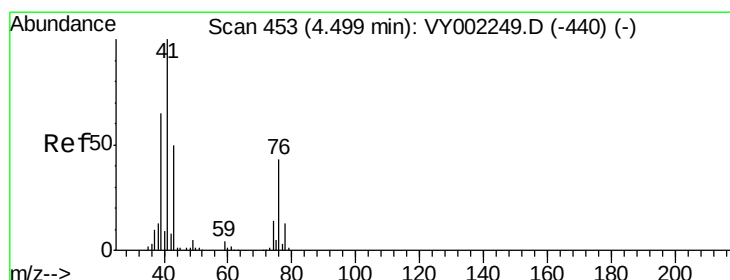
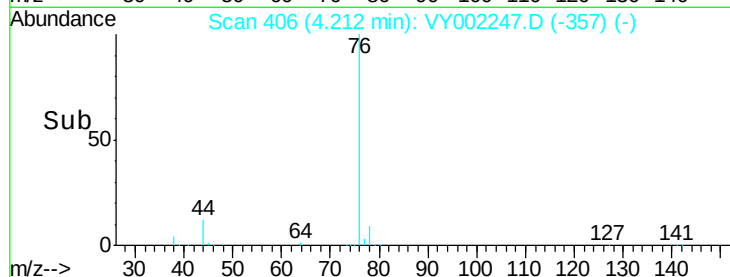
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 94.537 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002247.D

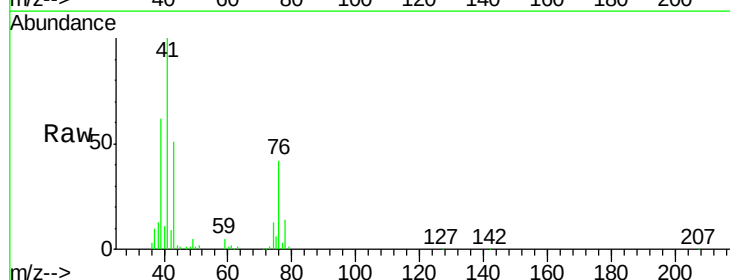
Acq: 08 Apr 2020 12:52

Tgt Ion: 43 Resp: 139468

Ion Ratio Lower Upper

43 100

74 26.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

50000

40000

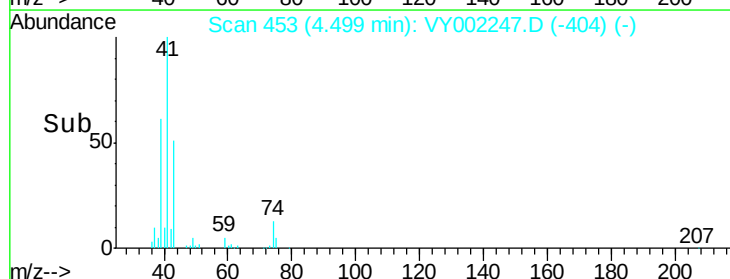
30000

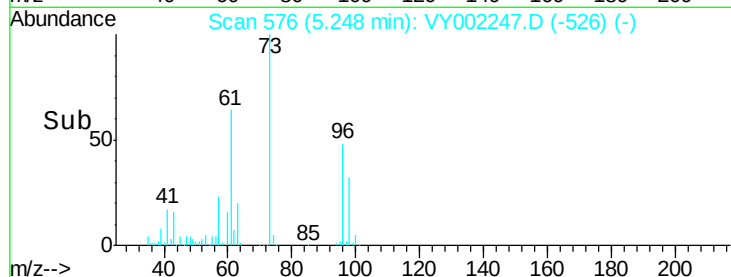
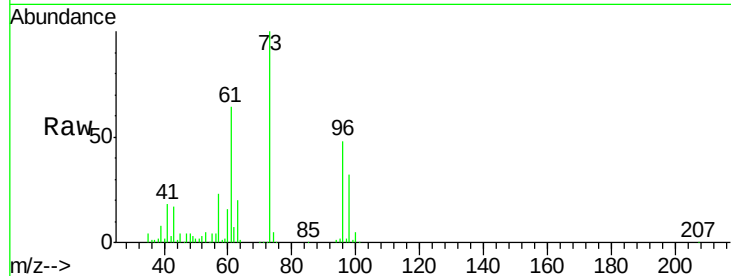
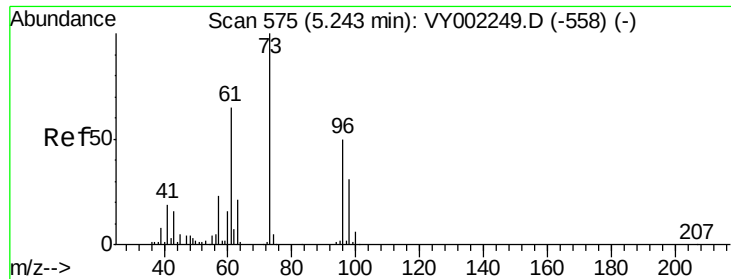
20000

10000

0

Time-->





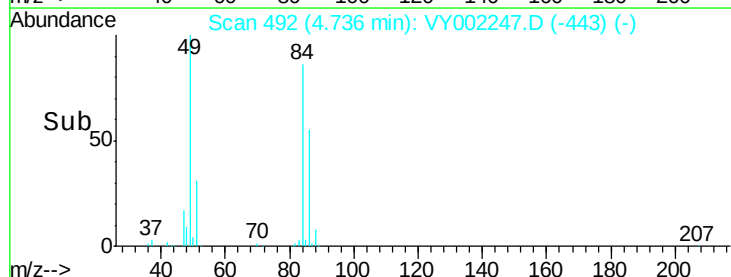
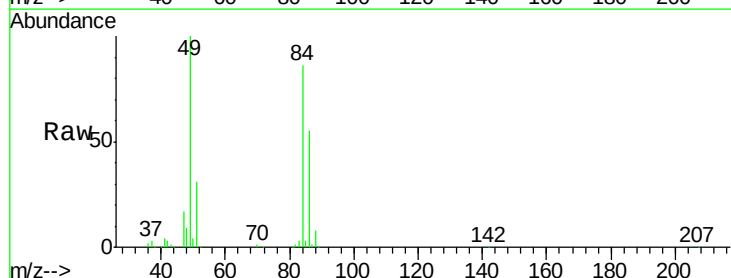
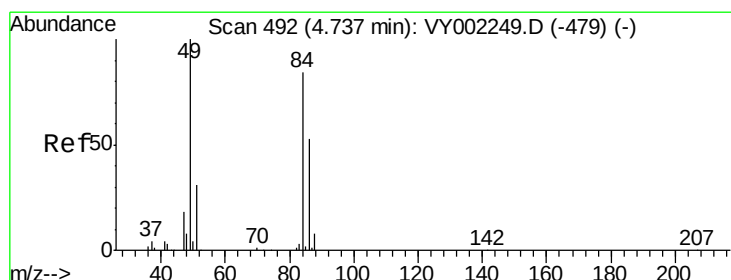
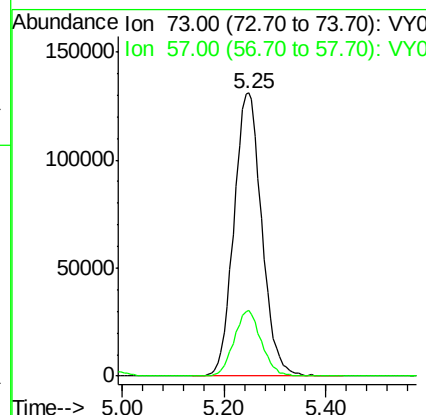
#19
Methyl tert-butyl Ether
Concen: 95.951 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tot Ion	73	Resp	494593
Ion Ratio	100	Lower	Upper
73	100	18.7	28.1
57	23.2		

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

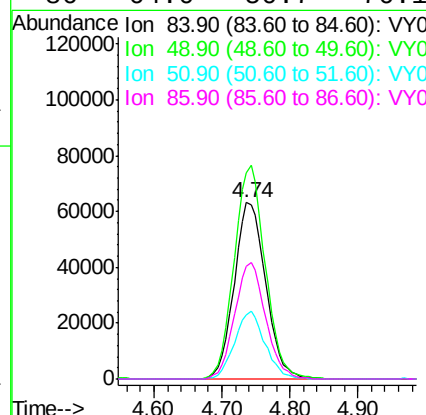
Manual Integrations
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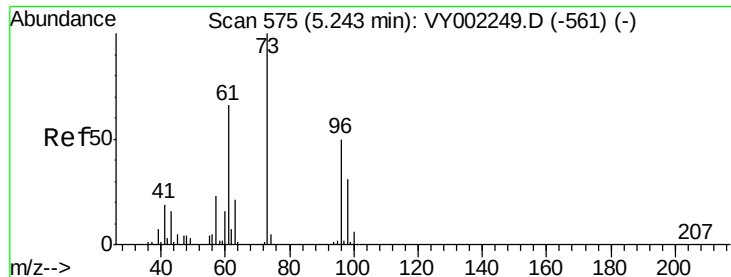
MMDadoda
4/9/2020 11:31:52 AM



#20
Methylene Chloride
Concen: 86.965 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	84	Resp	203300
Ion Ratio	100	Lower	Upper
84	100	95.5	143.3
49	116.5	29.5	44.3
51	36.5	50.7	76.1
86	64.0		





#21

trans-1,2-Dichloroethene

Concen: 92.902 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 204458

Ion Ratio Lower Upper

96 100

61 130.2 104.6 157.0

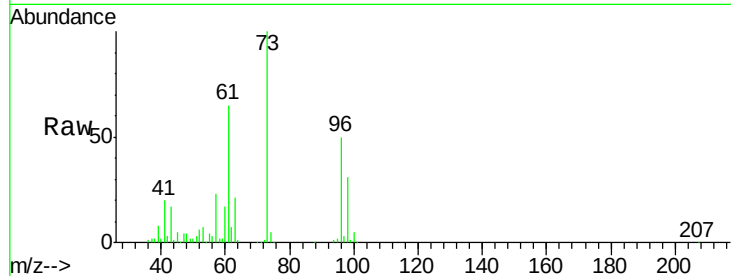
98 61.3 50.1 75.1

Manual Integrations

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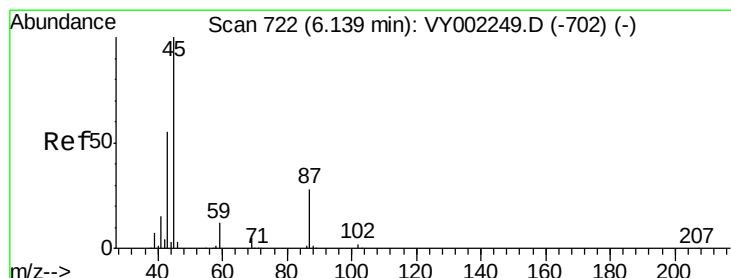
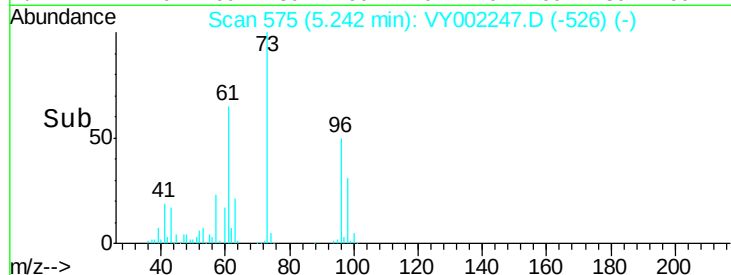
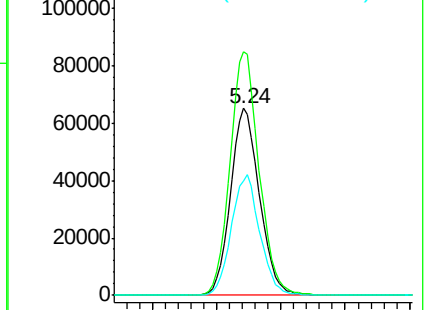
4/9/2020 11:31:52 AM



Abundance Ion 95.90 (95.60 to 96.60): VY002247.D (-526) (-)

Ion 60.90 (60.60 to 61.60): VY002247.D (-526) (-)

Ion 97.90 (97.60 to 98.60): VY002247.D (-526) (-)



#22

Diisopropyl ether

Concen: 90.735 ug/l

RT: 6.14 min Scan# 723

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion: 45 Resp: 578154

Ion Ratio Lower Upper

45 100

43 53.3 44.7 67.1

87 28.8 23.0 34.4

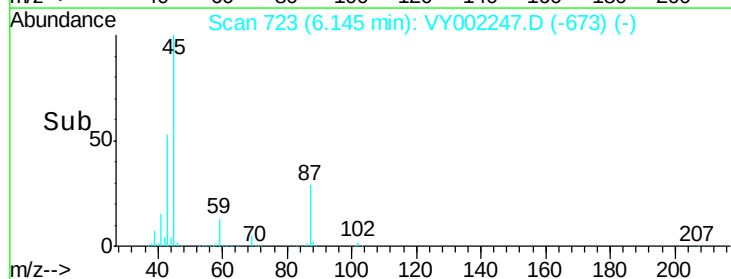
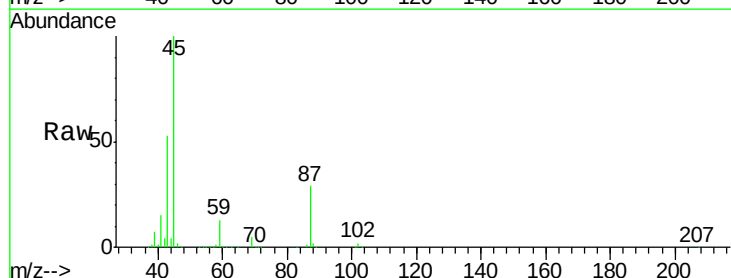
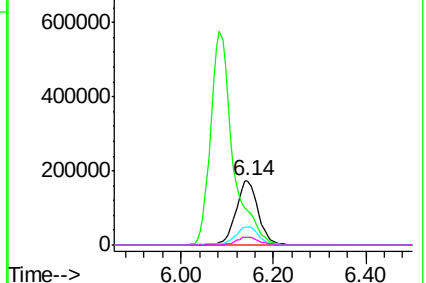
59 12.7 10.1 15.1

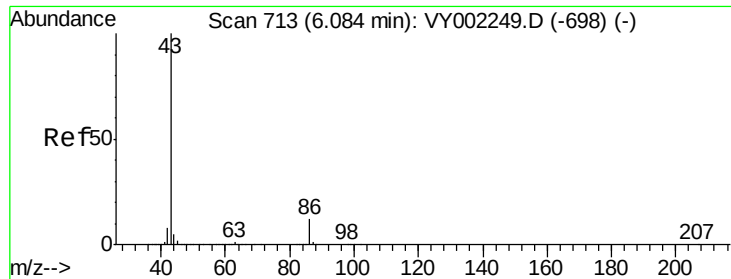
Abundance Ion 45.00 (44.70 to 45.70): VY002247.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VY002247.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VY002247.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VY002247.D (-673) (-)





#23

Vinyl Acetate

Concen: 473.062 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1920888

Ion Ratio Lower Upper

43 100

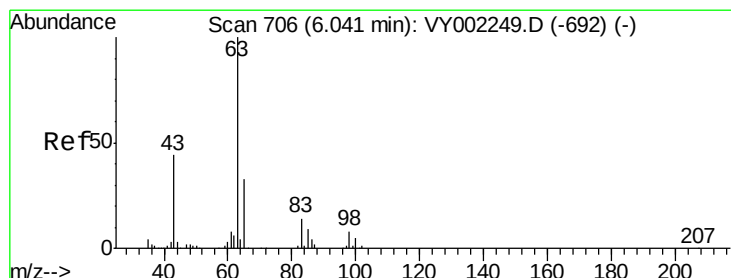
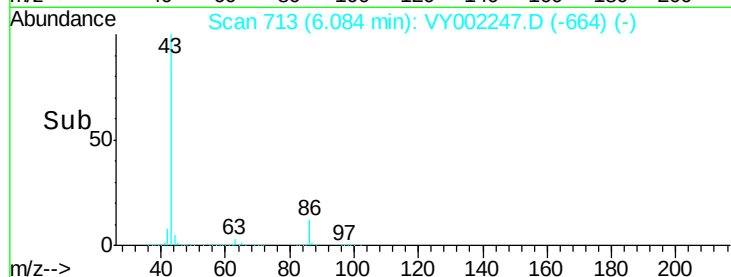
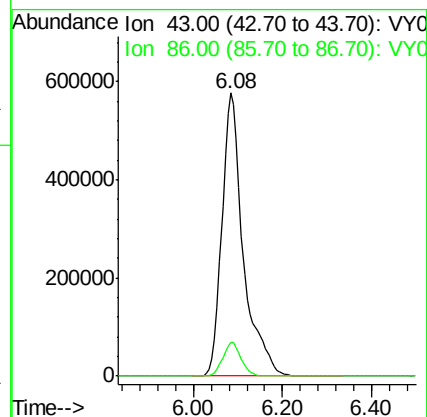
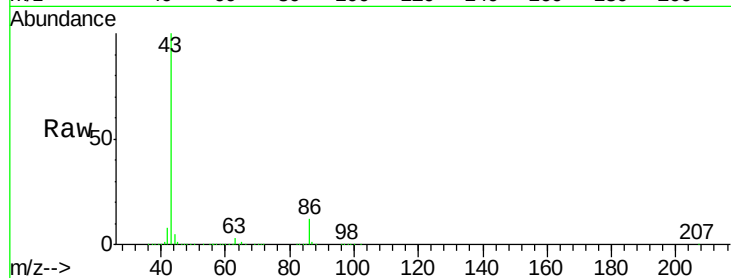
86 11.7 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 93.618 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

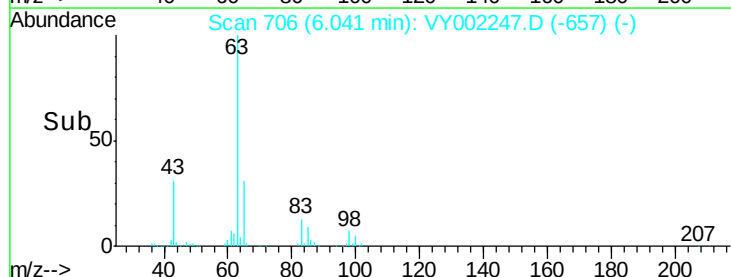
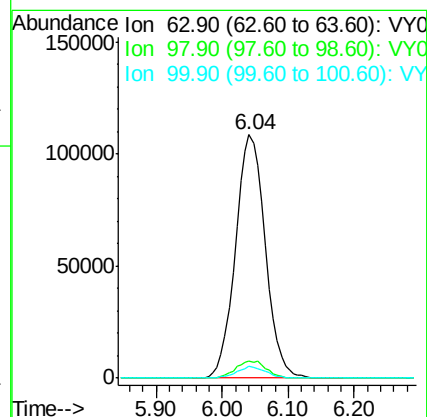
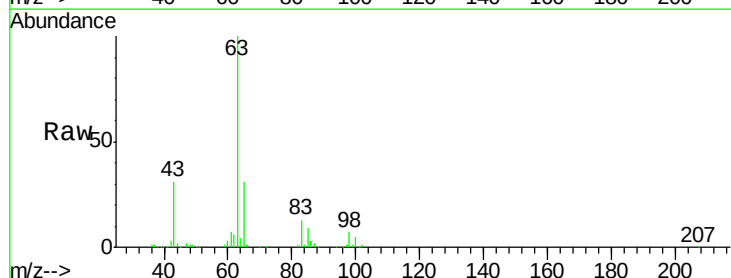
Tgt Ion: 63 Resp: 339298

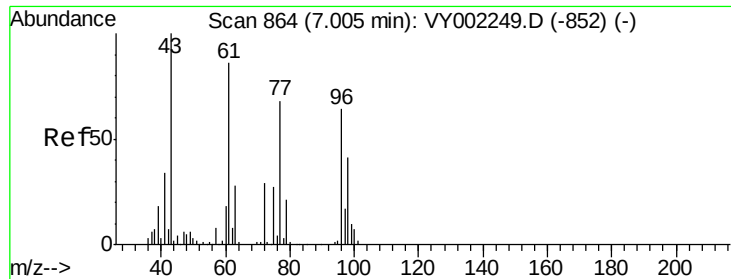
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 469.361 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 353282

Ion Ratio Lower Upper

43 100

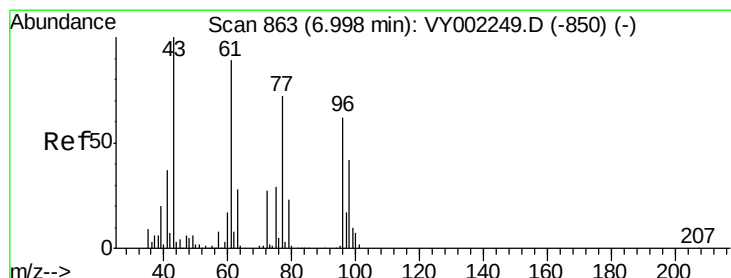
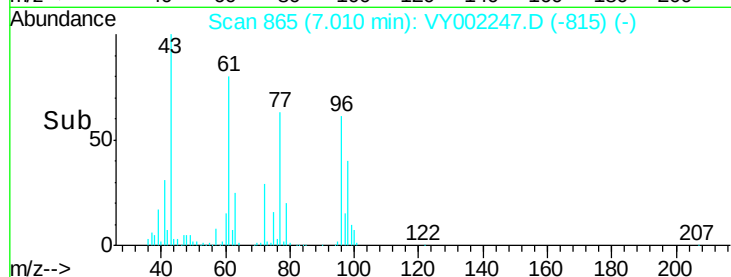
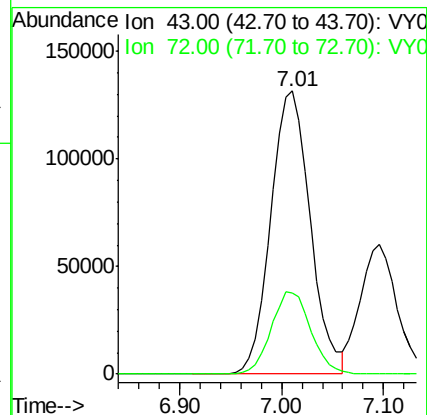
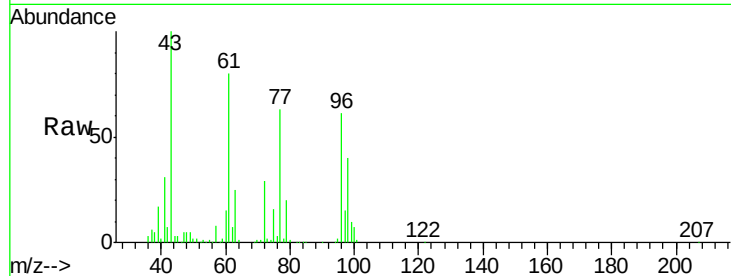
72 28.5 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 88.874 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY002247.D

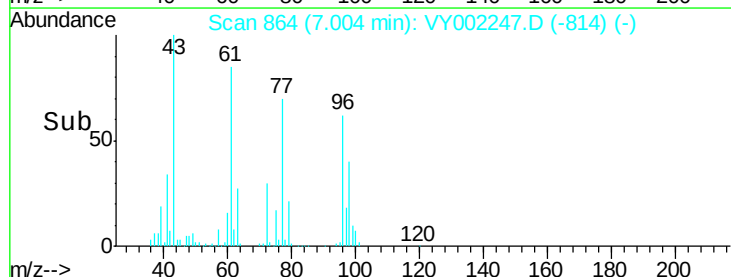
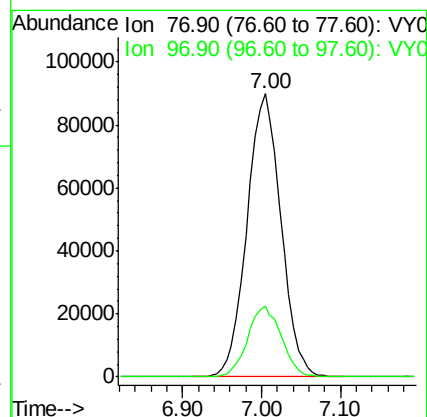
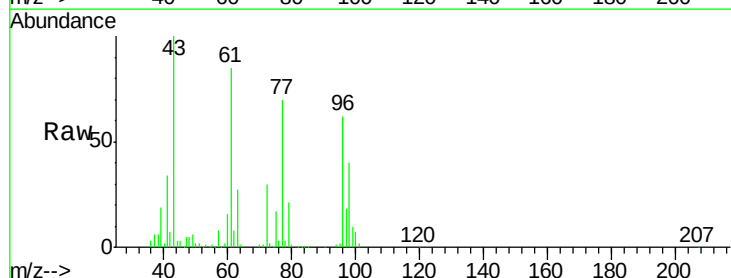
Acq: 08 Apr 2020 12:52

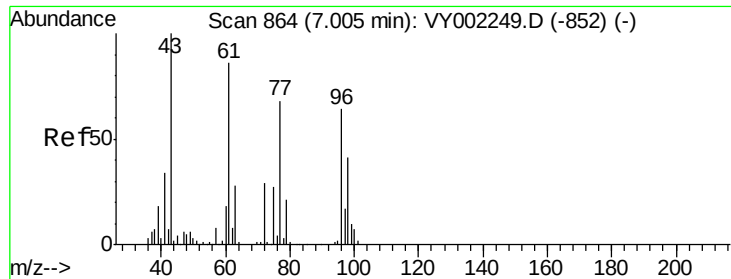
Tgt Ion: 77 Resp: 269443

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

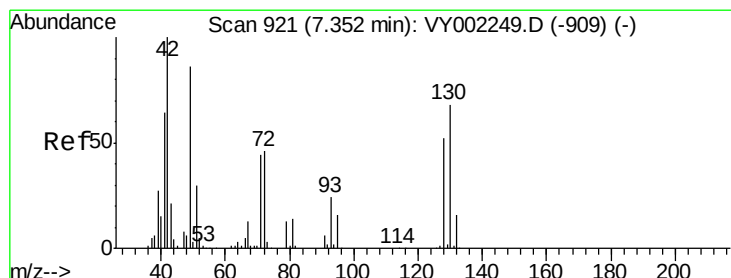
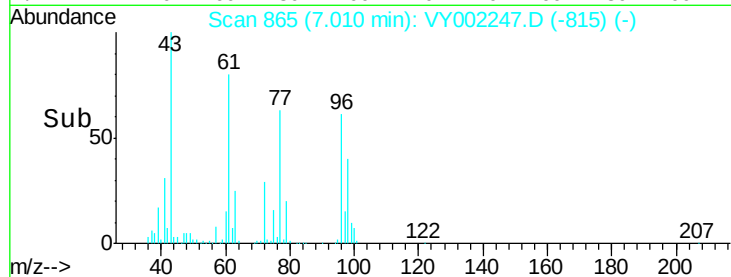
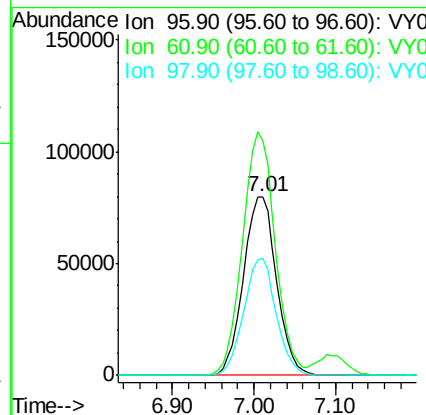
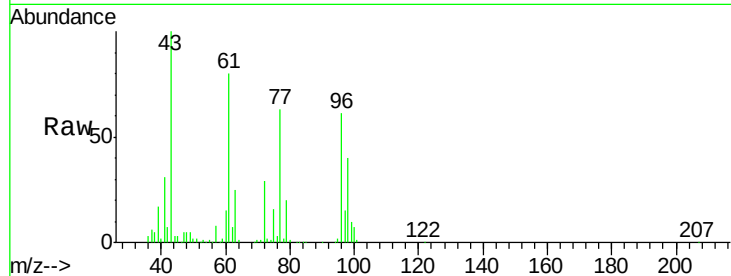
cis-1,2-Dichloroethene
Concen: 93.922 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	225326		
61	134.6	0.0	278.0	
98	63.9	0.0	128.6	

Manual Integrations
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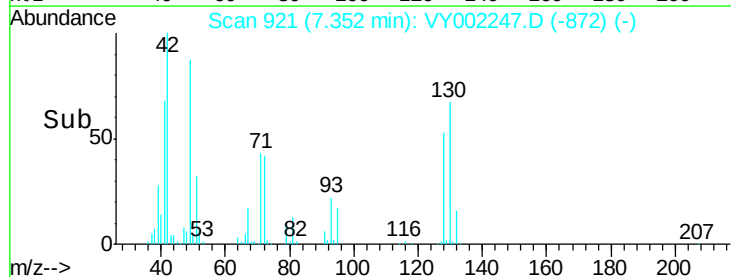
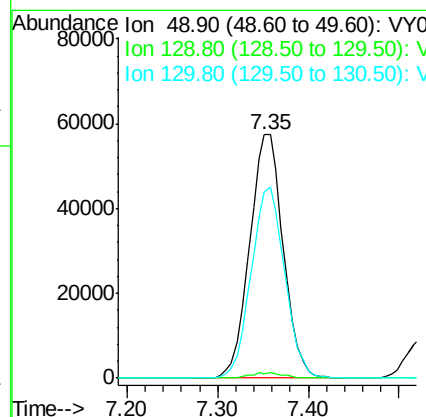
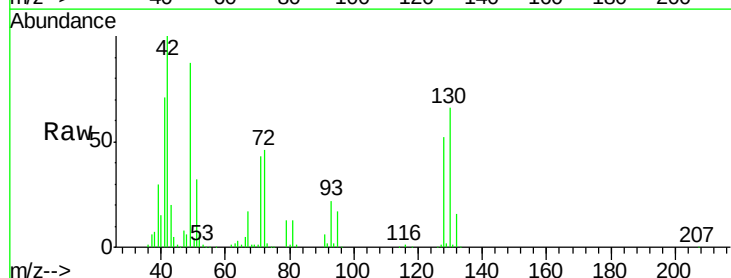
MMDadoda
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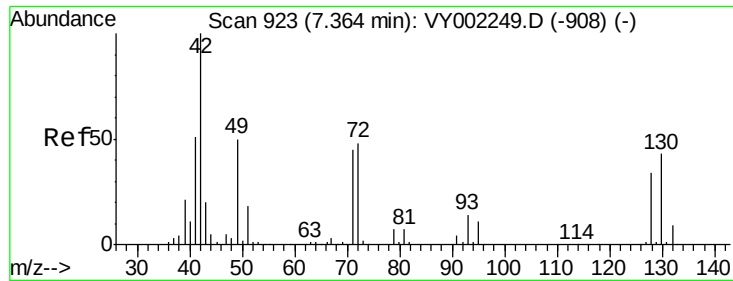


#28

Bromochloromethane
Concen: 93.929 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	146953		
129	2.1	0.0	4.2	
130	78.2	60.9	91.3	





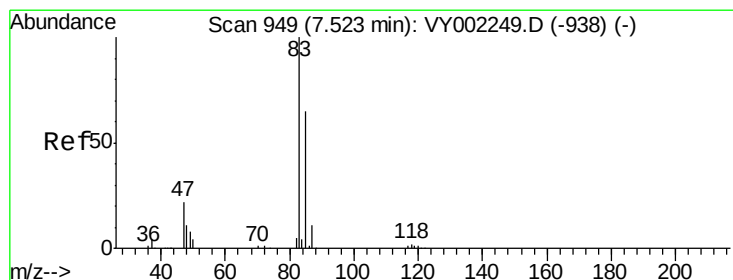
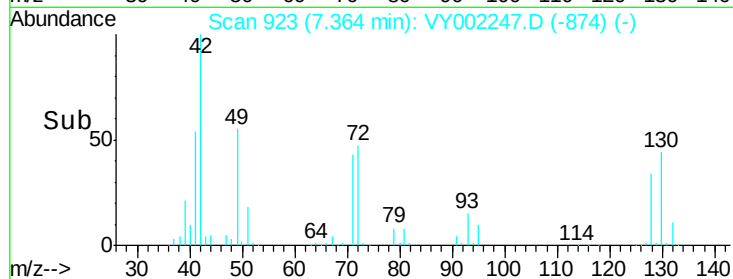
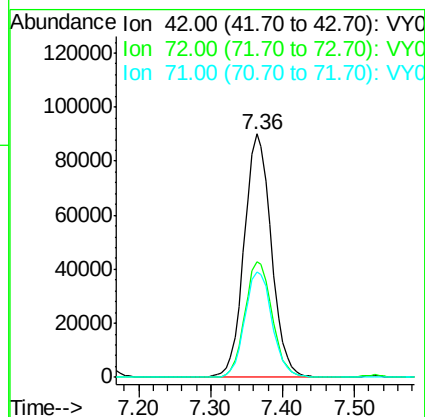
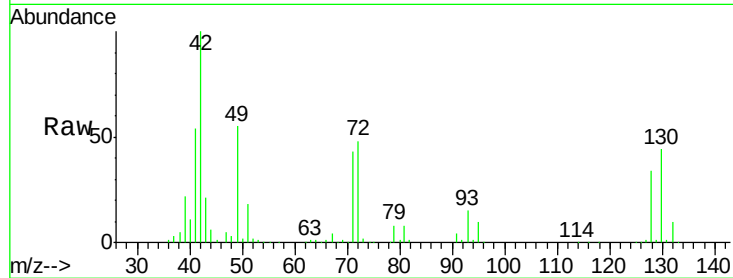
#29
Tetrahydrofuran
Concen: 474.072 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	36.7	55.1
71	43.5	34.7	52.1

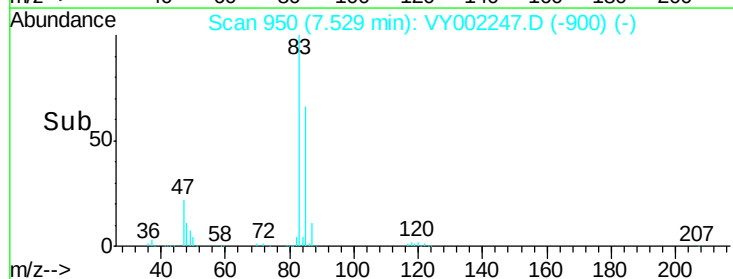
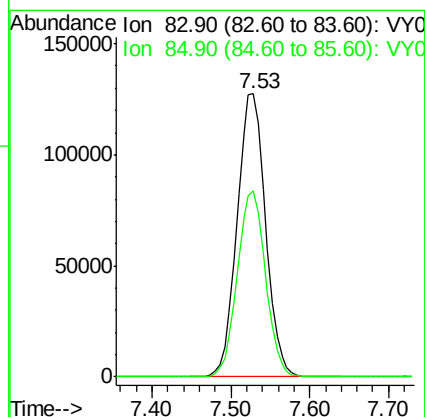
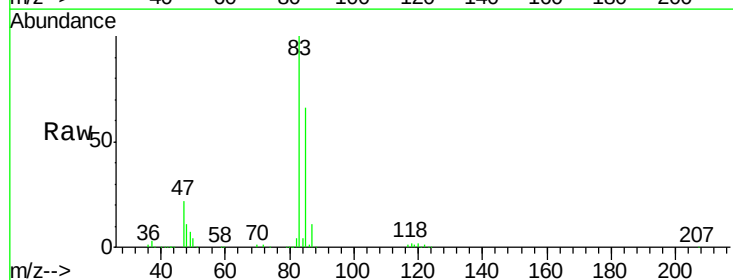
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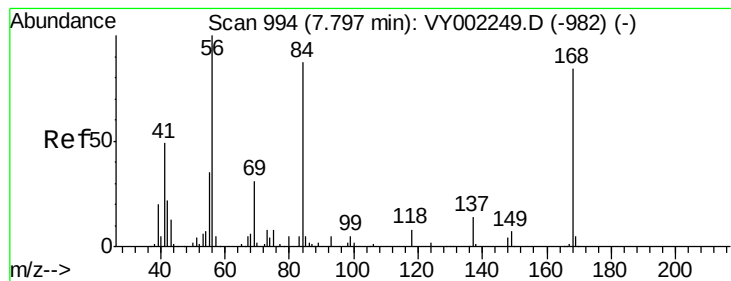
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#30
Chloroform
Concen: 93.780 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.0	78.0





#31

Cyclohexane

Concen: 87.366 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 332370

Ion Ratio Lower Upper

56 100

69 31.9 25.0 37.6

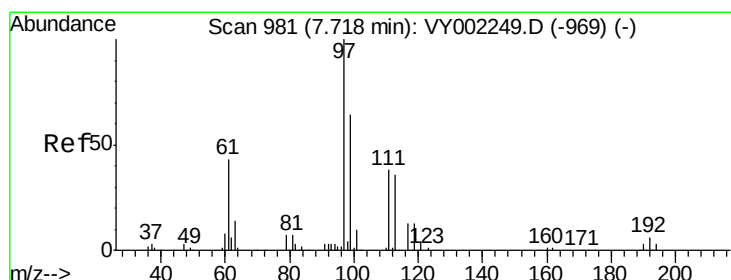
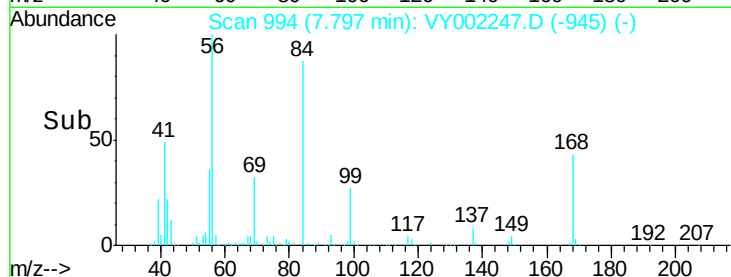
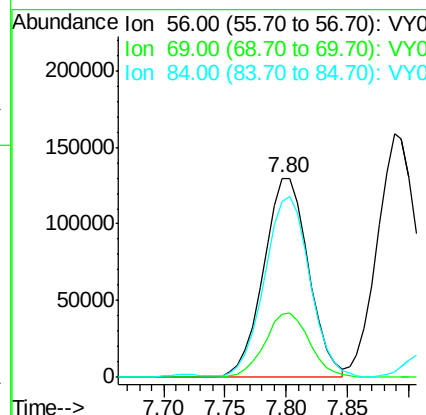
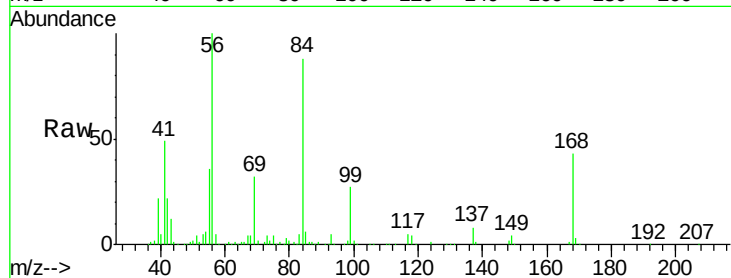
84 87.1 69.7 104.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 94.882 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

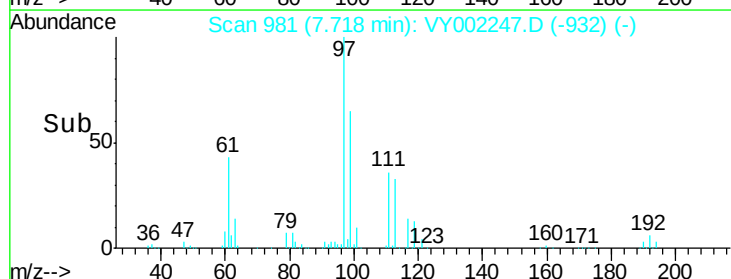
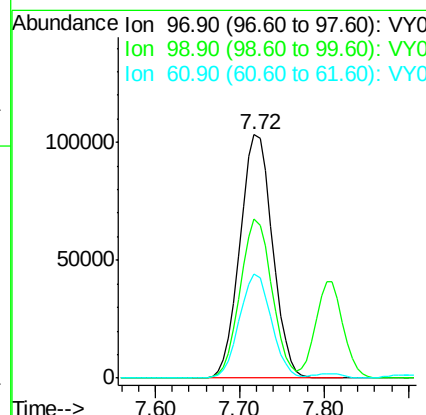
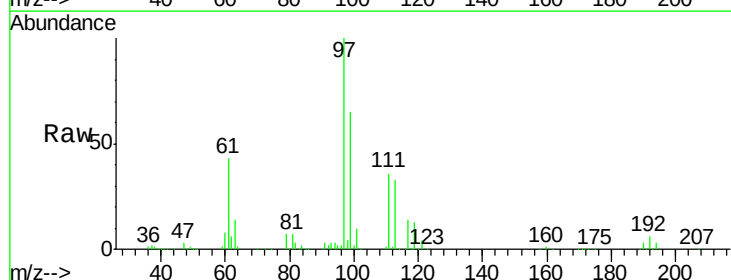
Tgt Ion: 97 Resp: 269807

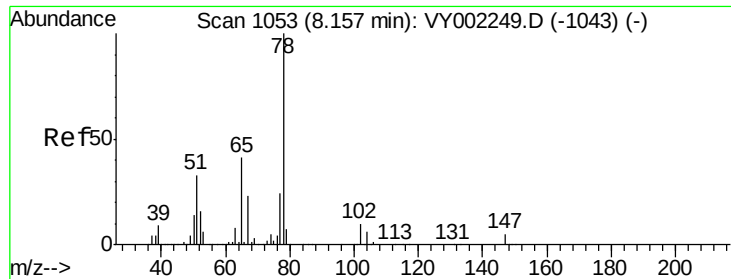
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 41.8 34.3 51.5





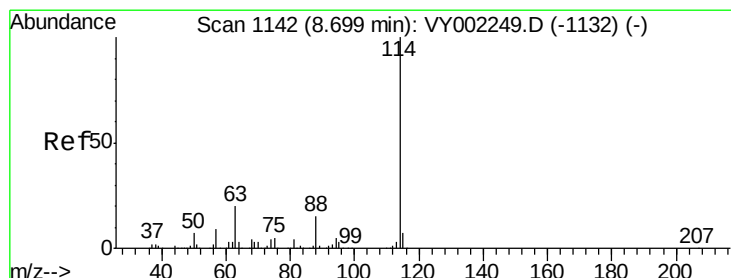
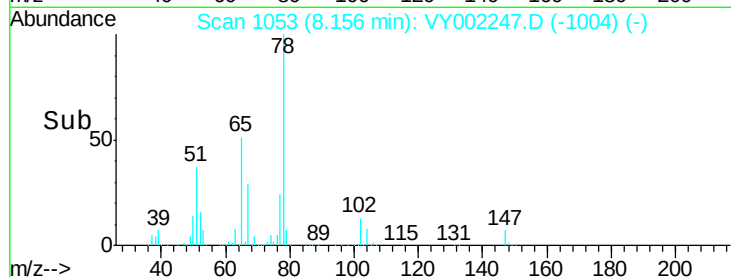
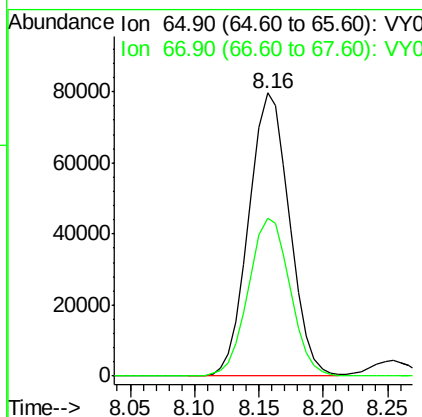
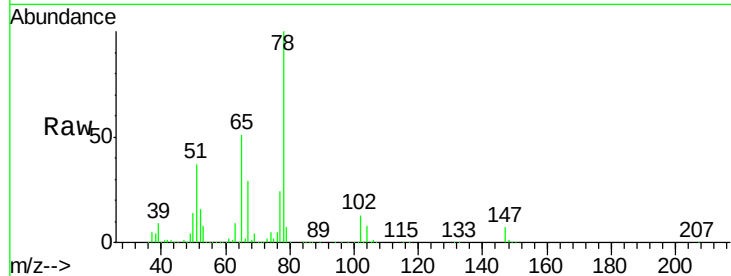
#33
 1,2-Dichloroethane-d4
 Concen: 96.656 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174542		
67	57.2	0.0	114.0	

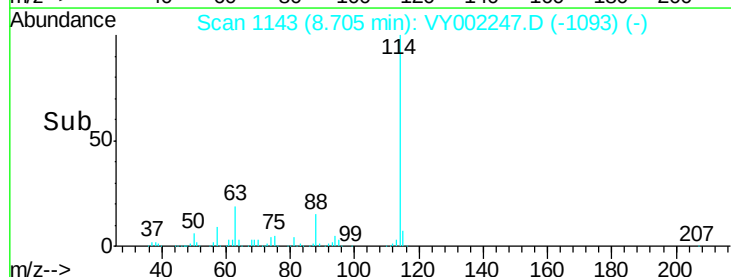
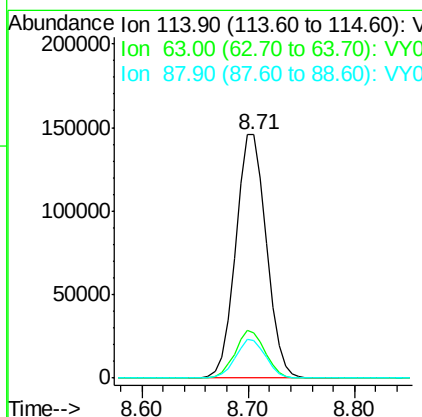
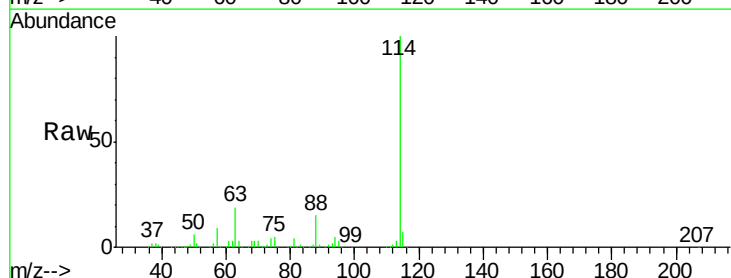
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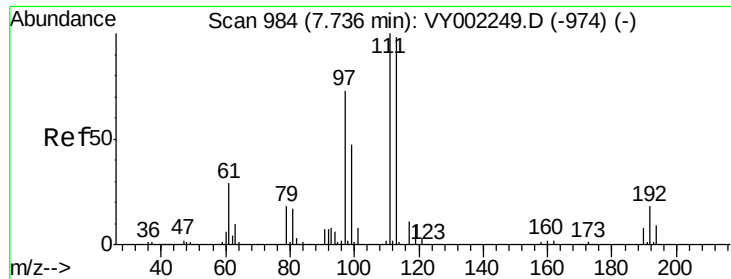
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294668		
63	18.8	0.0	39.0	
88	15.3	0.0	31.0	





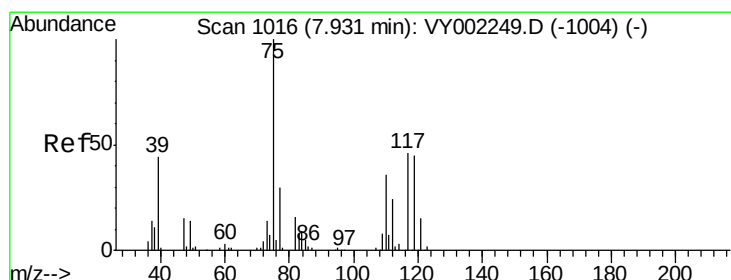
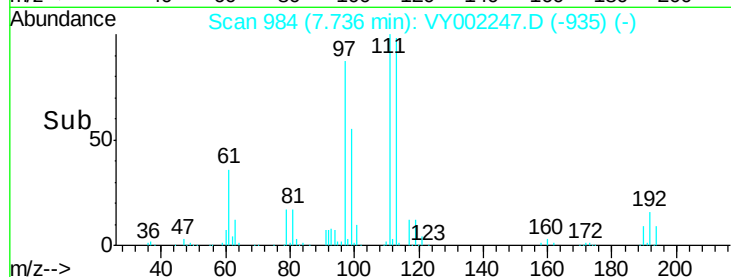
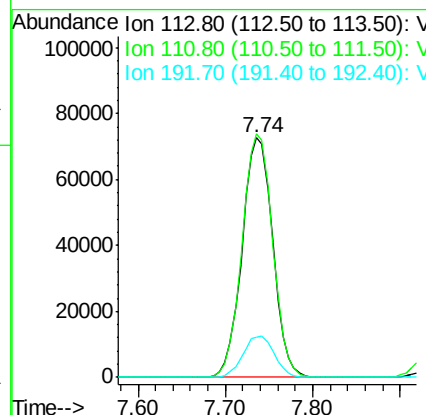
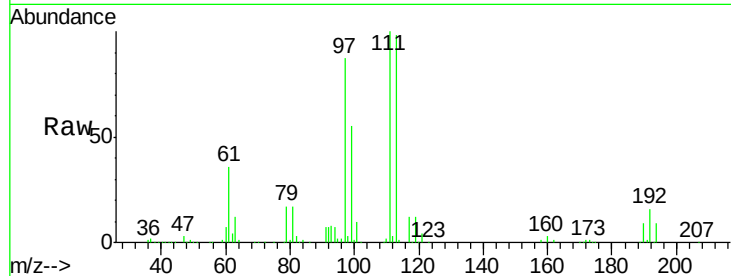
#35
 Dibromofluoromethane
 Concen: 100.794 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176729		
111	101.5	83.5	125.3	
192	17.6	14.7	22.1	

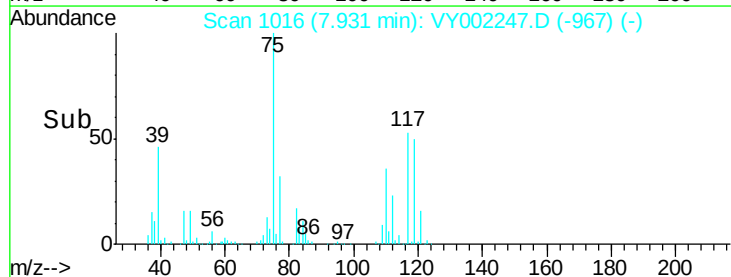
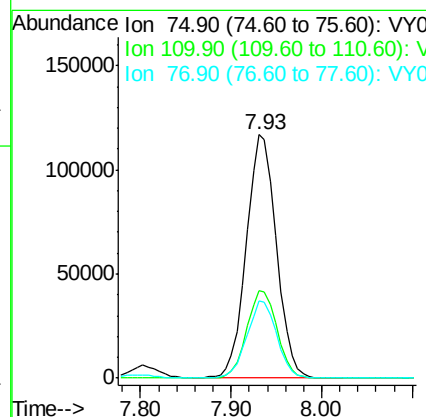
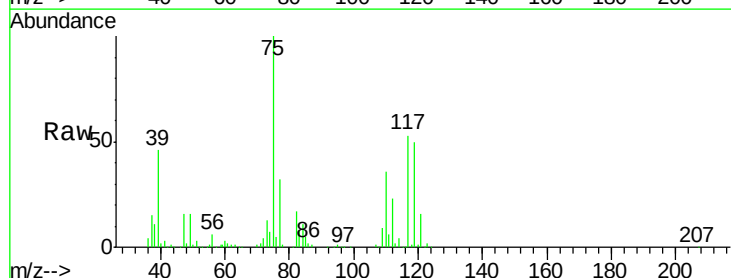
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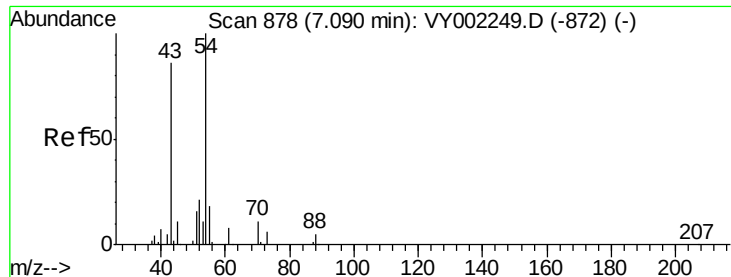
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#36
 1,1-Dichloropropene
 Concen: 92.550 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	268622		
110	36.1	17.8	53.3	
77	31.5	24.4	36.6	





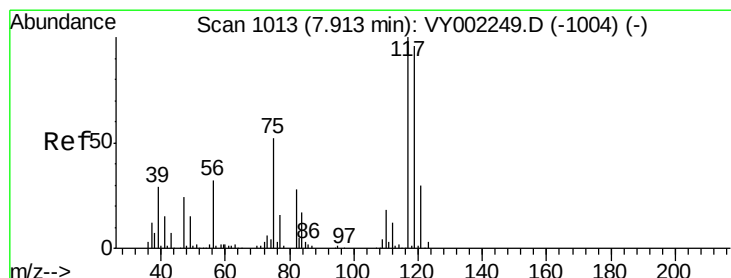
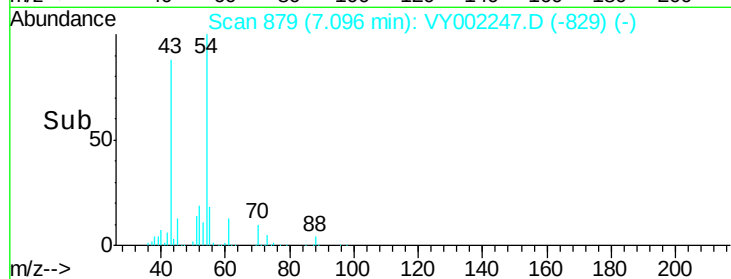
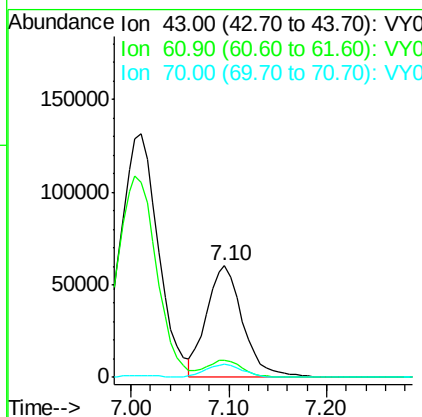
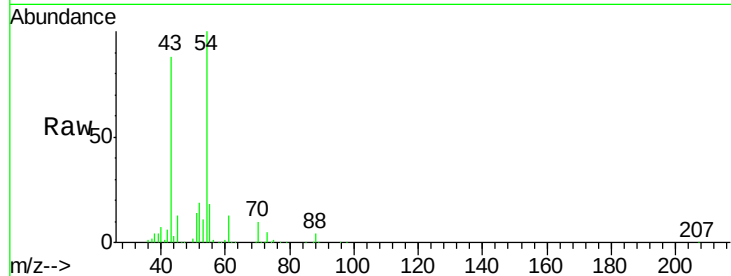
#37
Ethyl Acetate
Concen: 92.817 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.7	9.1	13.7

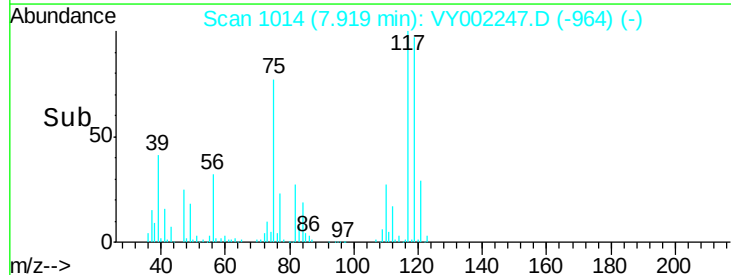
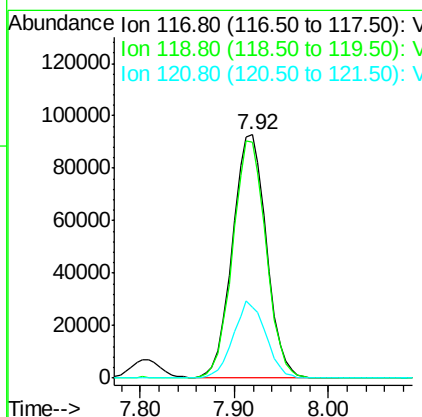
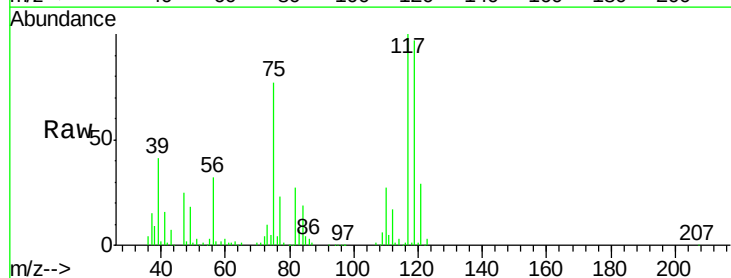
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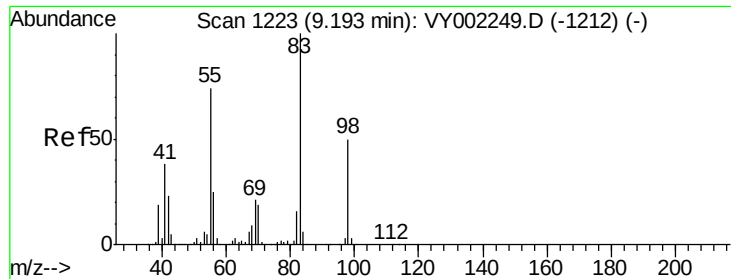
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#38
Carbon Tetrachloride
Concen: 93.950 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.1	115.7
121	29.3	23.9	35.9





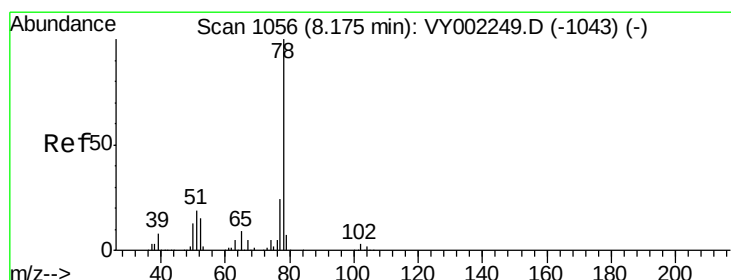
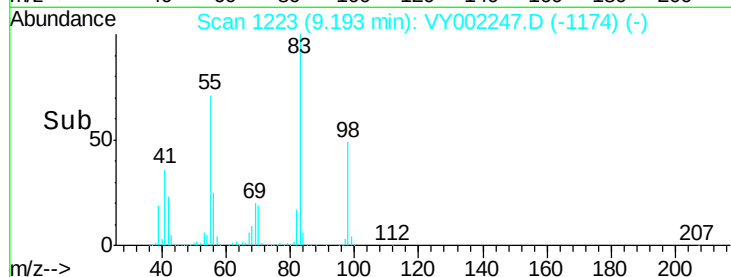
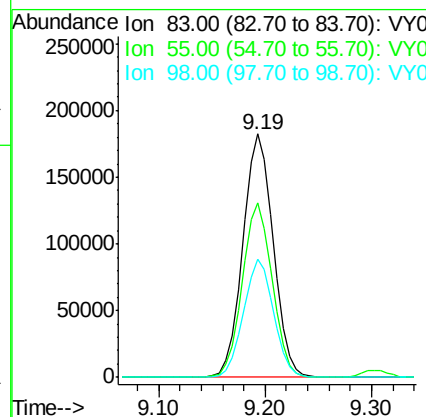
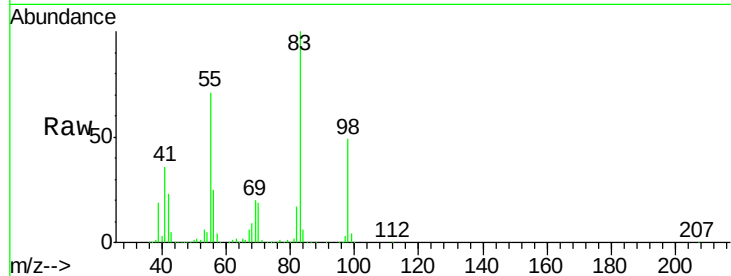
#39
Methylvlcyclohexane
Concen: 92.631 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.3	88.9
98	48.6	39.6	59.4

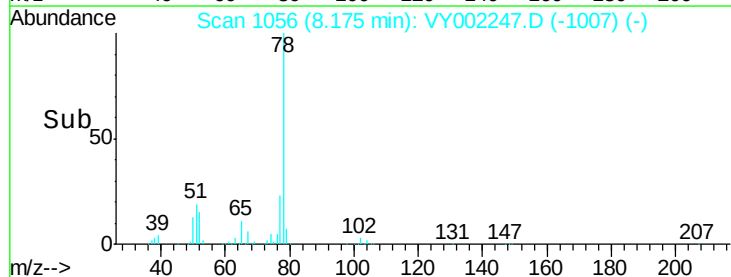
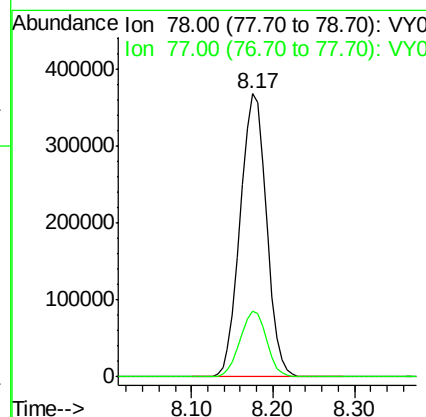
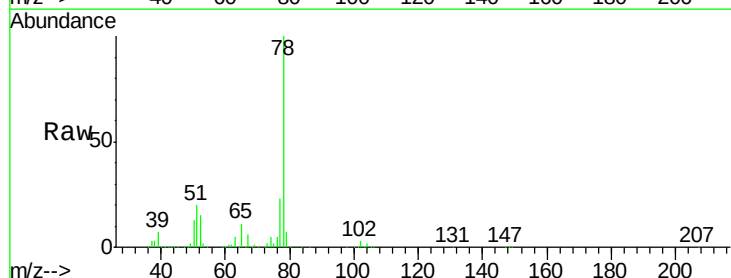
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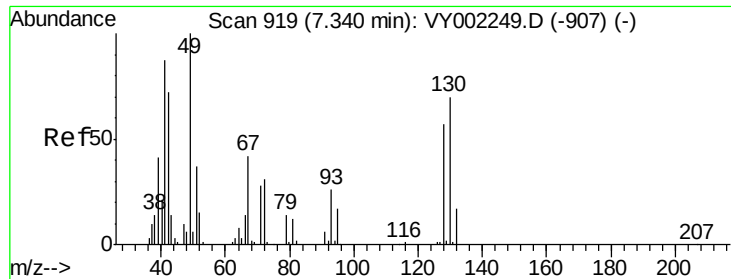
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#40
Benzene
Concen: 93.239 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





#41

Methacrylonitrile

Concen: 85.483 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 93637

Ion Ratio Lower Upper

41 100

39 96.4 0.0 0.0#

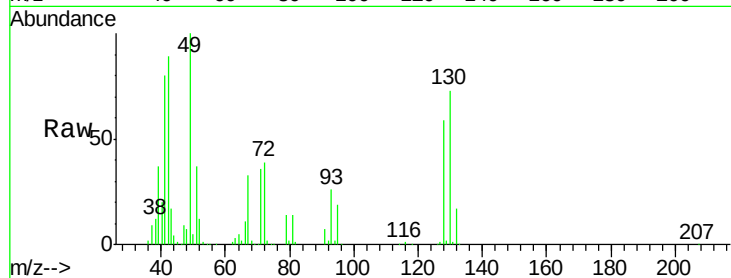
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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4/9/2020 11:31:52 AM

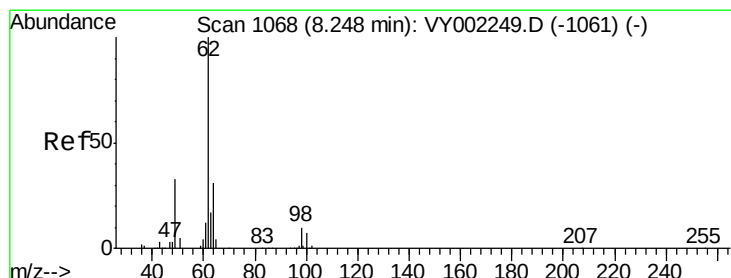
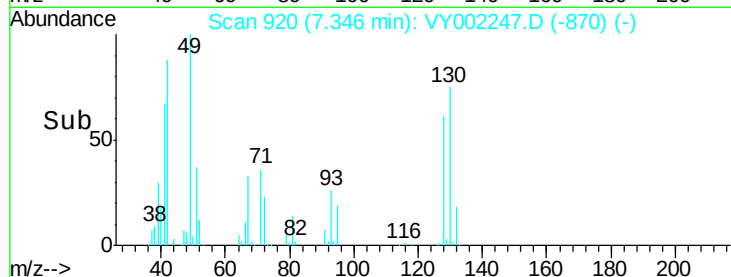
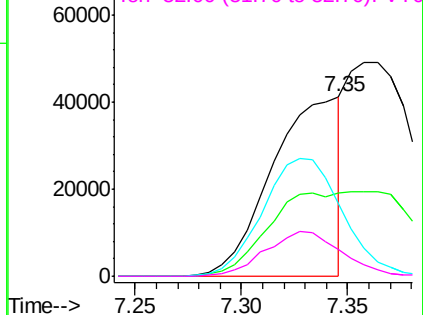


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 93.766 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY002247.D

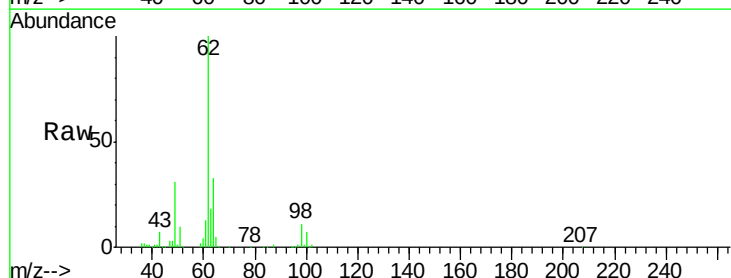
Acq: 08 Apr 2020 12:52

Tgt Ion: 62 Resp: 204538

Ion Ratio Lower Upper

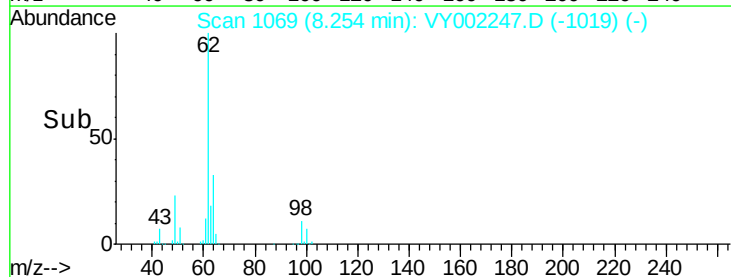
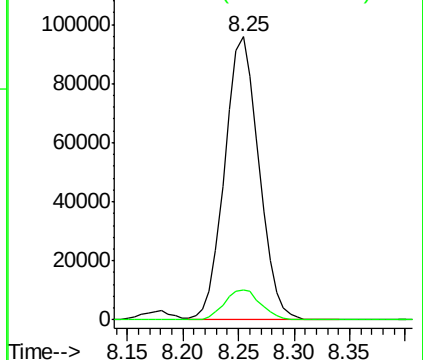
62 100

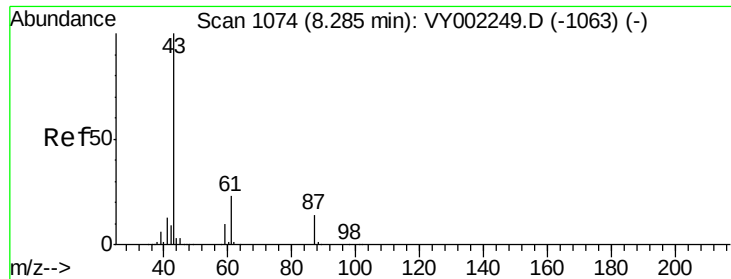
98 11.3 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





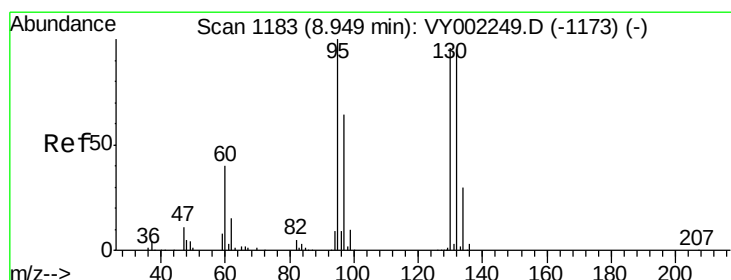
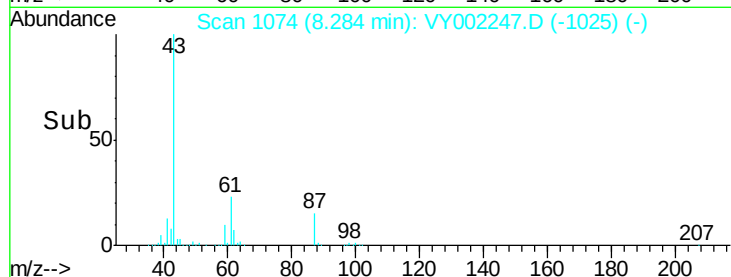
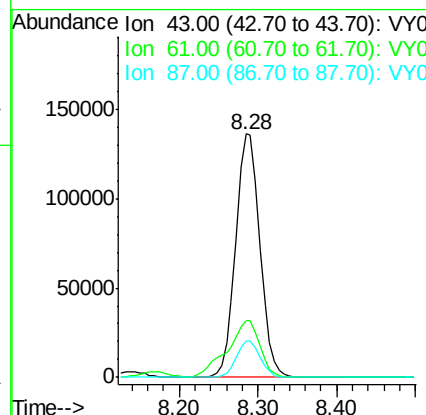
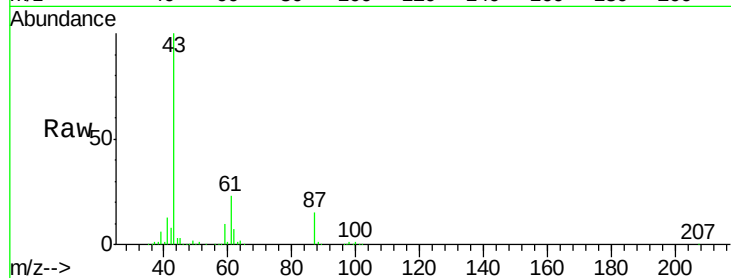
#43
Isopropyl Acetate
Concen: 96.212 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.9	37.3
87	14.7	11.7	17.5

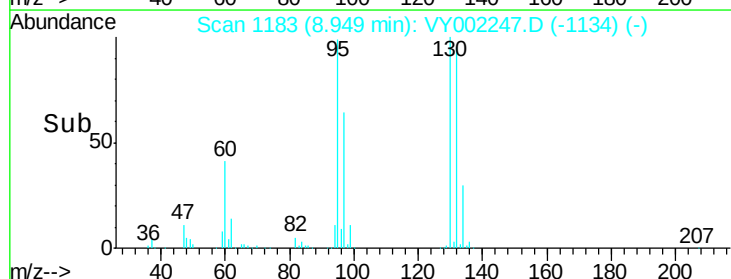
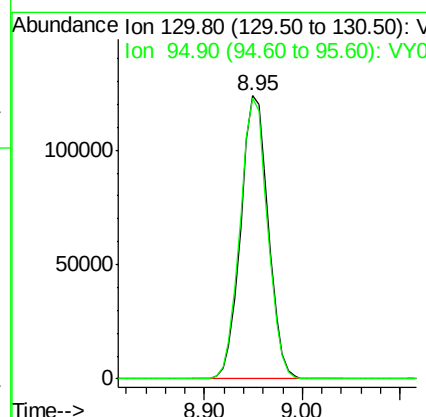
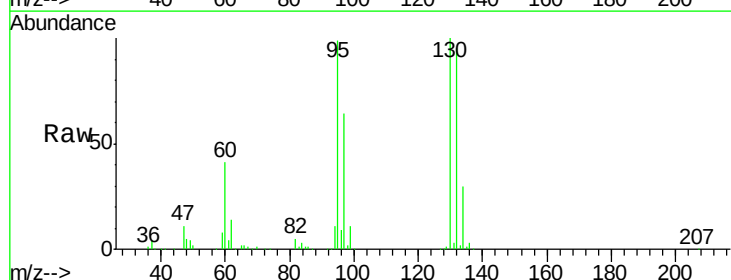
Manual Integrations
APPROVED

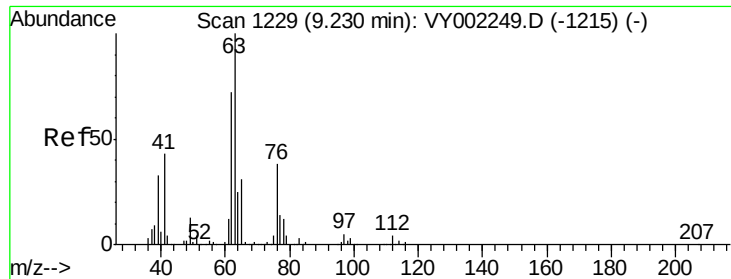
MMDadoda
4/9/2020 11:31:52 AM



#44
Trichloroethene
Concen: 93.217 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	208.2





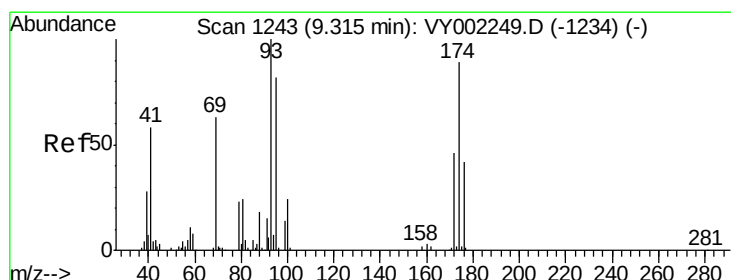
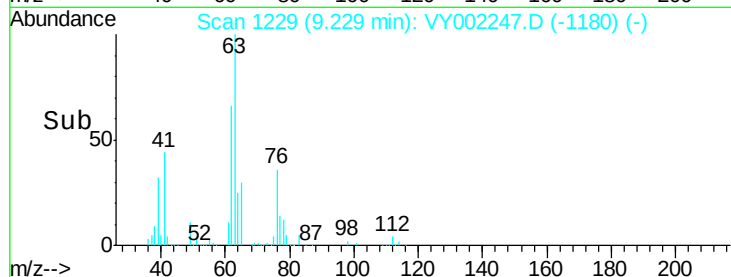
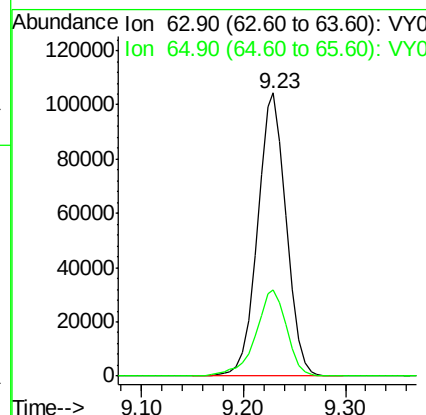
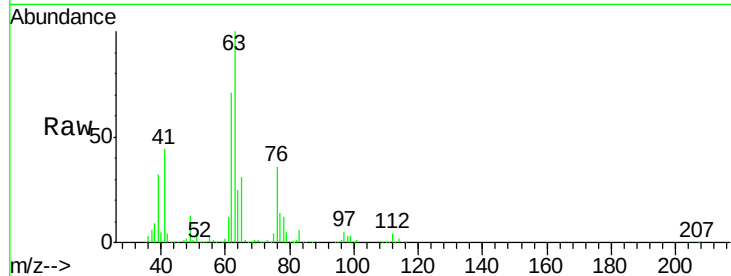
#45
 1,2-Dichloropropane
 Concen: 93.377 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	37.0

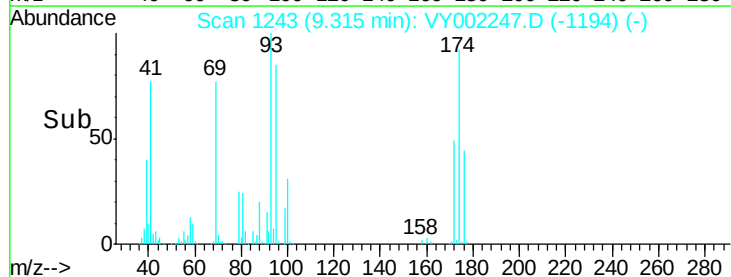
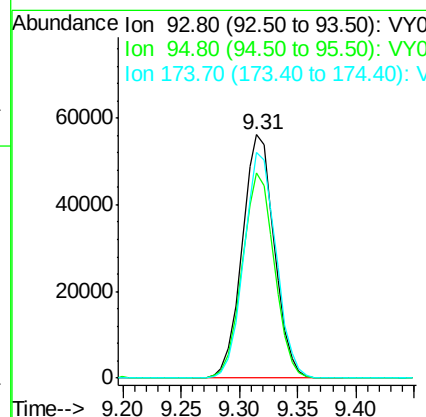
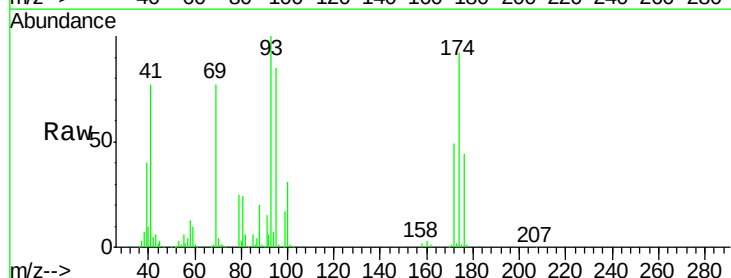
Manual Integrations
 APPROVED

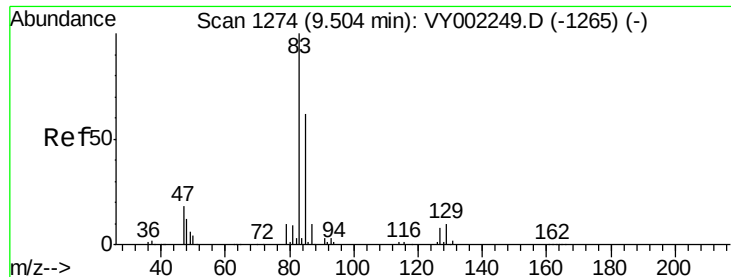
MMDadoda
 4/9/2020 11:31:52 AM



#46
 Dibromomethane
 Concen: 94.721 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.3	100.9
174	92.3	72.5	108.7





#47

Bromodichloromethane

Concen: 96.525 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

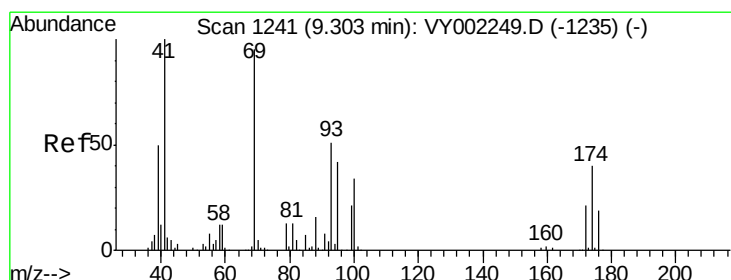
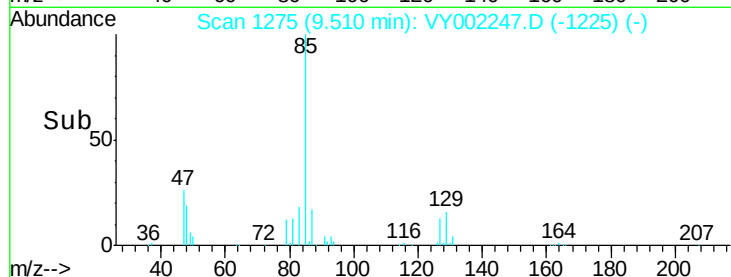
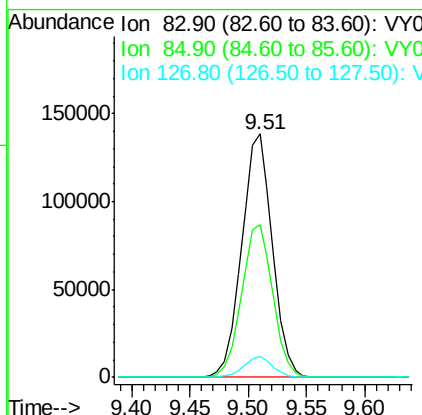
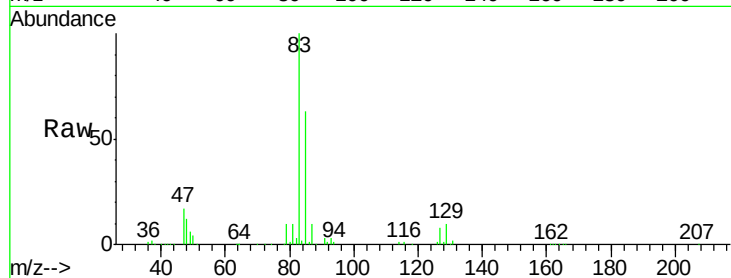
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	253018
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.7	74.5
127	8.3	6.2	9.4

Manual Integrations
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MMDadoda
4/9/2020 11:31:52 AM



#48

Methyl methacrylate

Concen: 96.813 ug/l

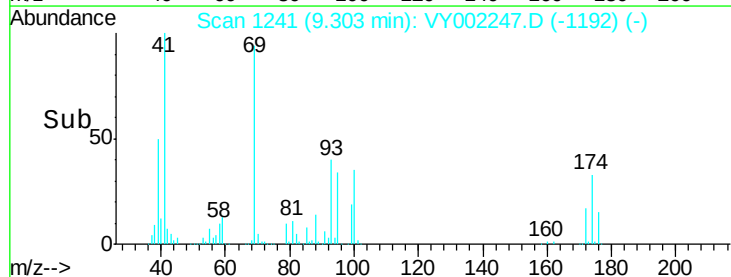
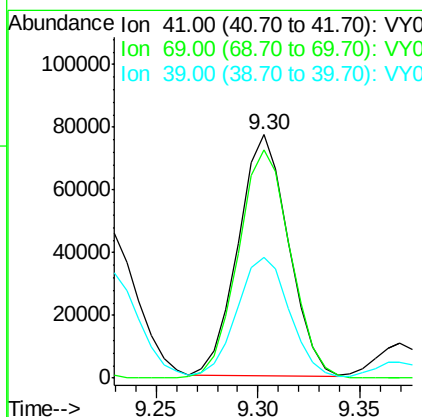
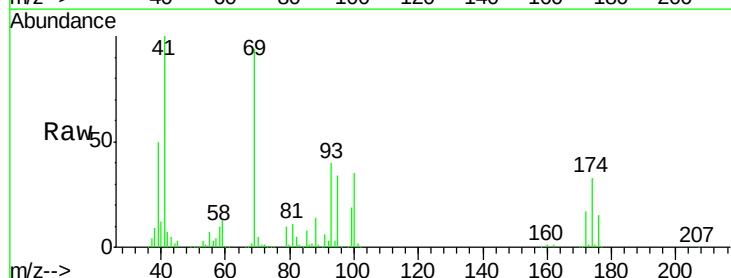
RT: 9.30 min Scan# 1241

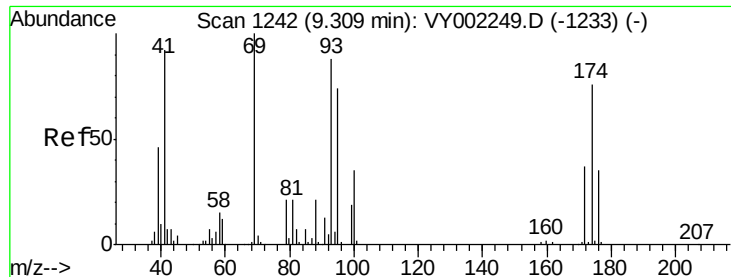
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	41	Resp:	131273
Ion	Ratio	Lower	Upper
41	100		
69	98.4	76.7	115.1
39	53.3	40.5	60.7





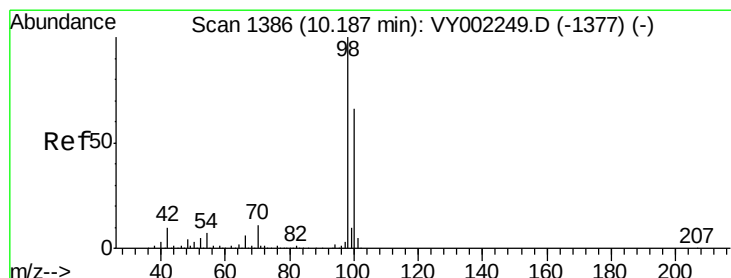
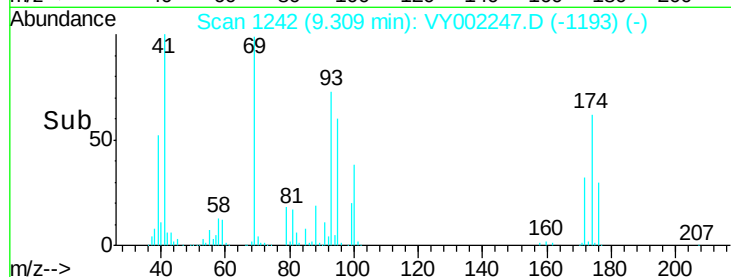
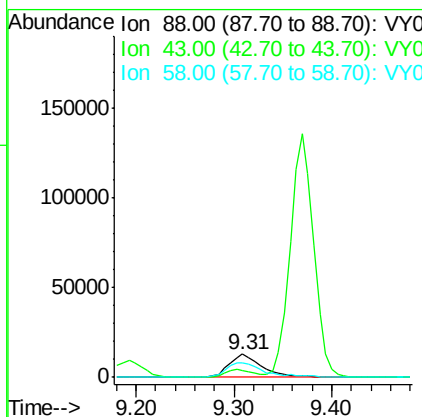
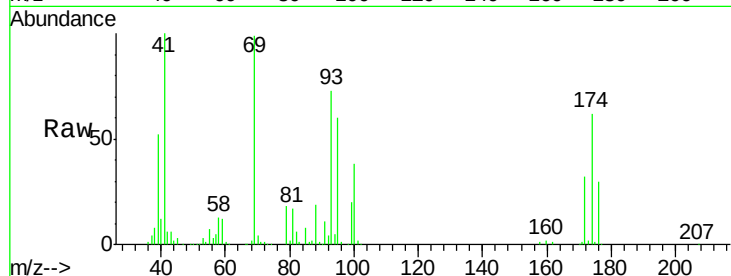
#49
1,4-Dioxane
Concen: 1906.195 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	30804
Ion	Ratio	Lower	Upper
88	100		
43	27.5	22.2	33.2
58	72.4	57.6	86.4

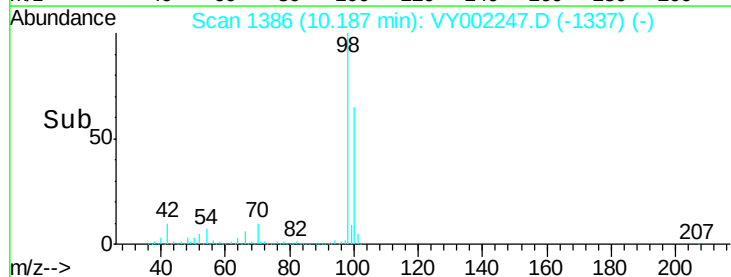
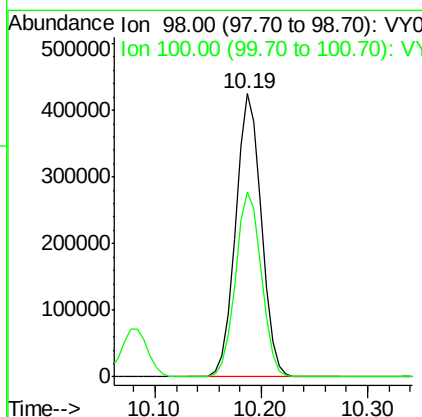
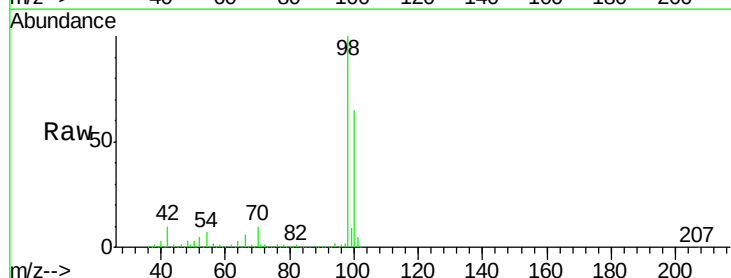
Manual Integrations
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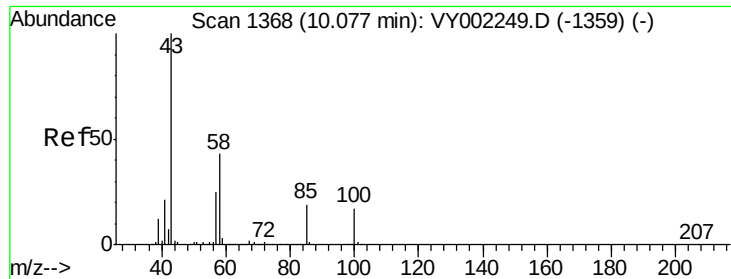
MMDadoda
4/9/2020 11:31:52 AM



#50
Toluene-d8
Concen: 97.933 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	98	Resp	718723
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





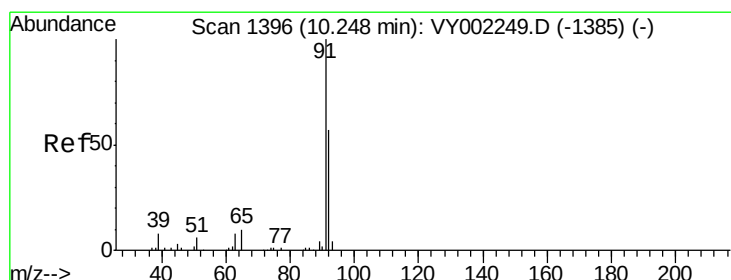
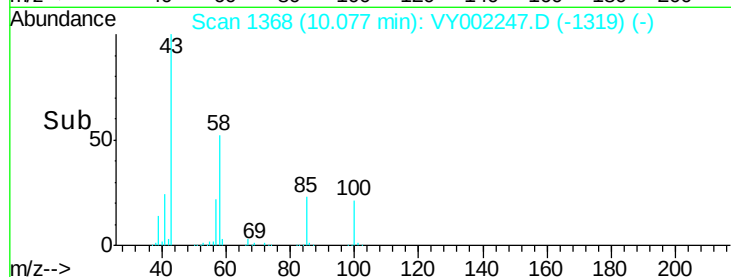
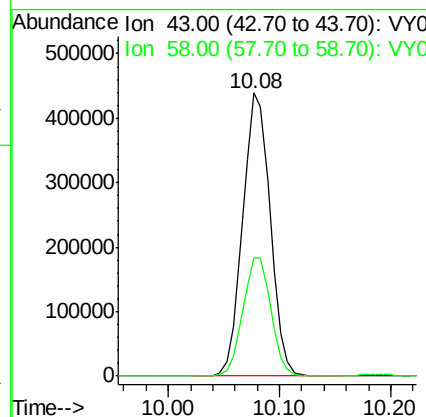
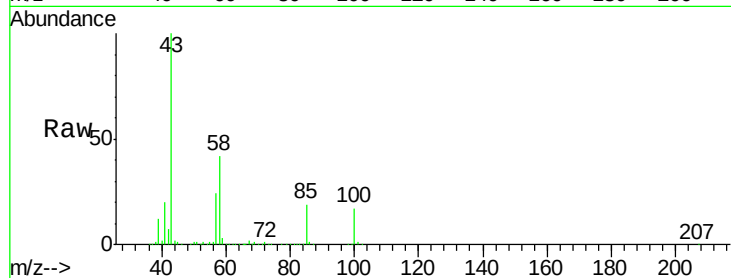
#51
4-Methyl-2-Pentanone
Concen: 476.232 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.6	33.8	50.8

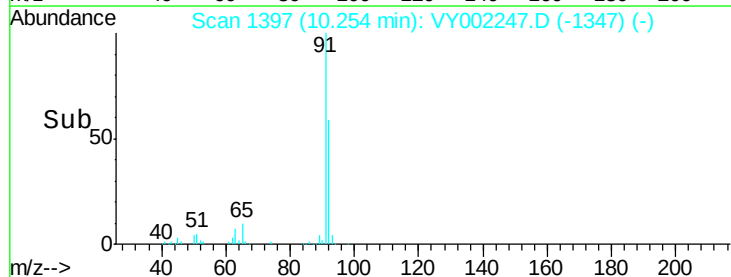
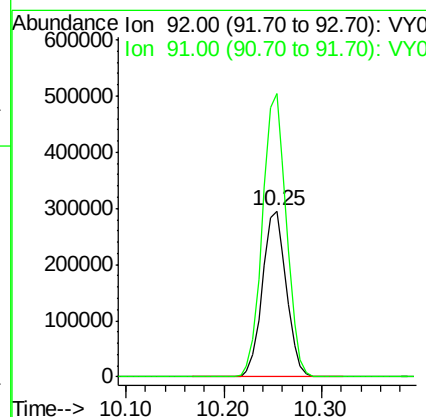
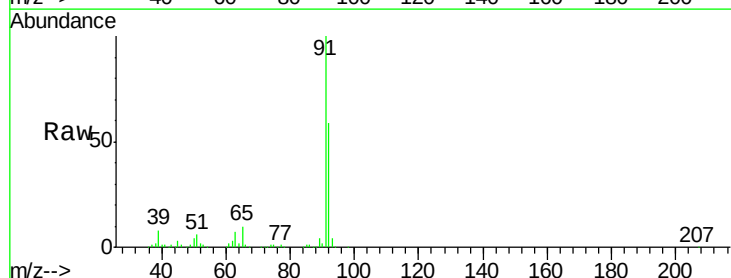
Manual Integrations
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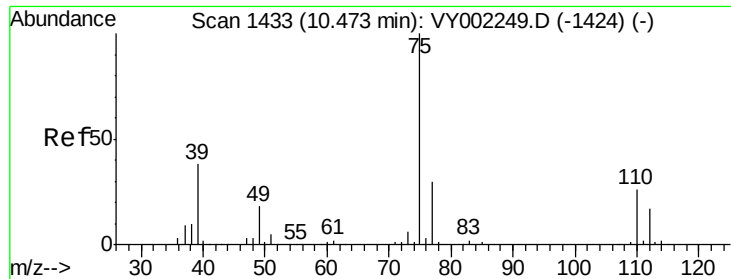
MMDadoda
4/9/2020 11:31:52 AM



#52
Toluene
Concen: 94.021 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	139.0	208.6





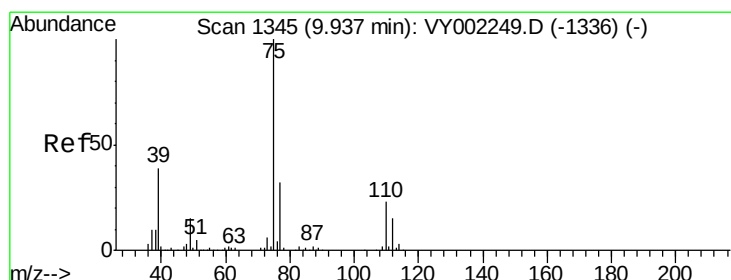
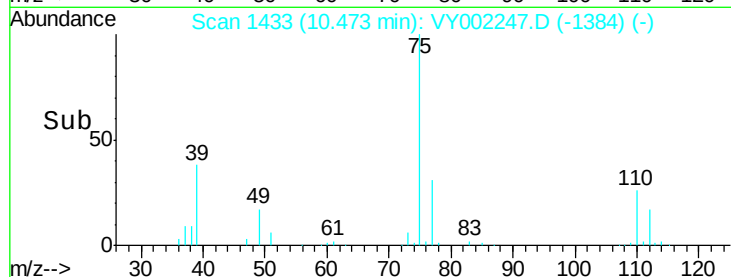
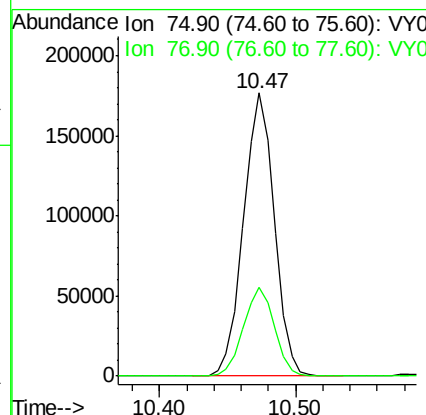
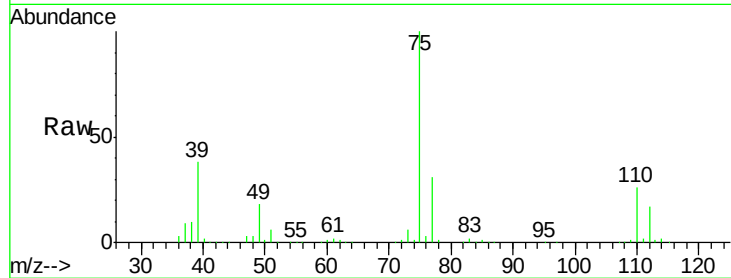
#53
t-1,3-Dichloropropene
Concen: 97.831 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.2	36.2

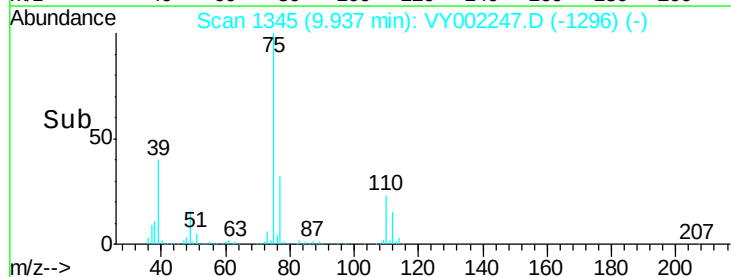
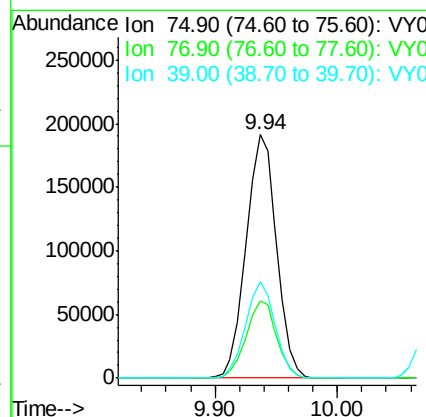
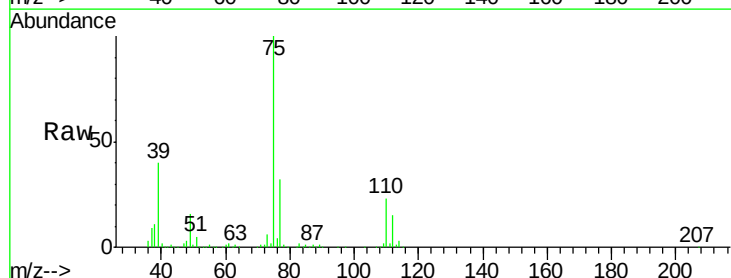
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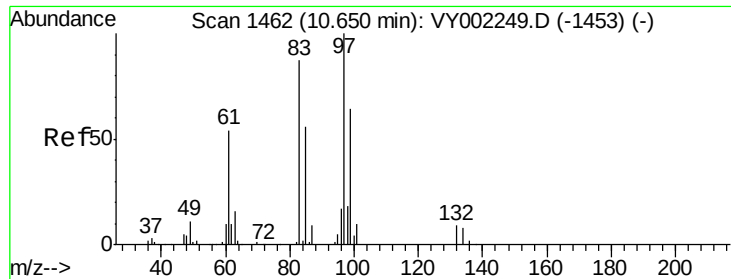
MMDadoda
4/9/2020 11:31:52 AM



#54
cis-1,3-Dichloropropene
Concen: 95.984 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	39.7	30.8	46.2





#55

1,1,2-Trichloroethane

Concen: 95.043 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

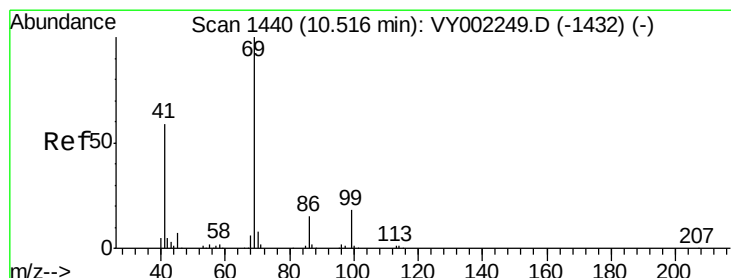
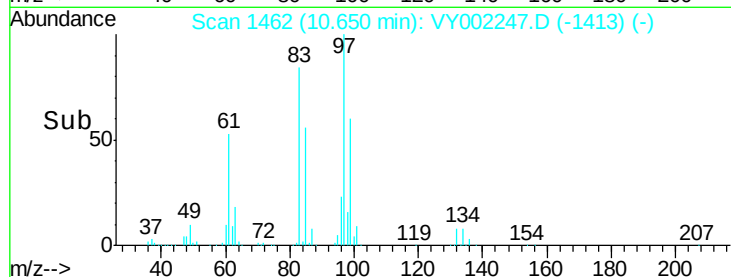
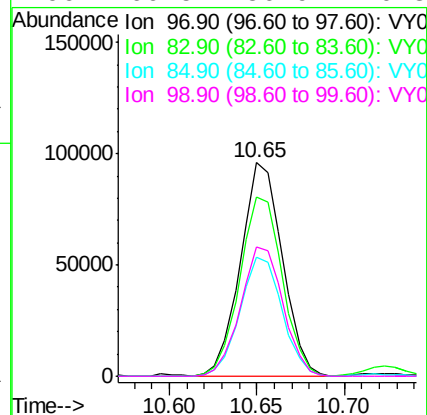
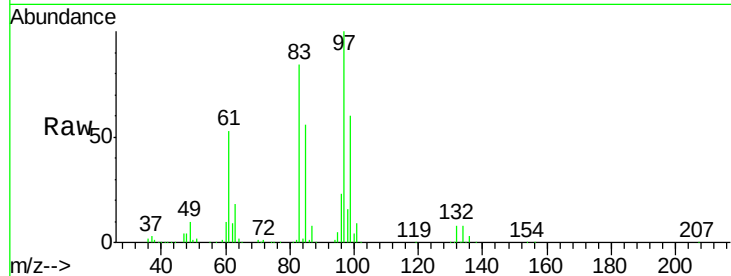
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	158963
Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.5	104.3
85	55.9	45.2	67.8
99	60.5	50.9	76.3

Manual Integrations
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MMDadoda
4/9/2020 11:31:52 AM



#56

Ethyl methacrylate

Concen: 98.103 ug/l

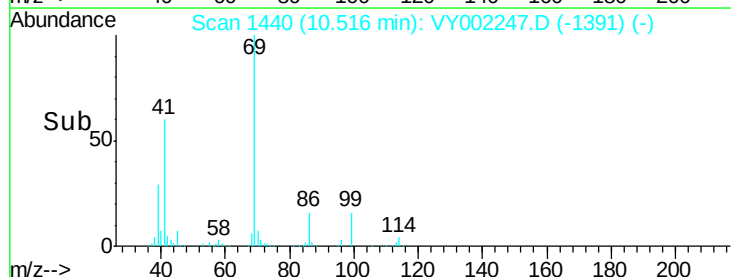
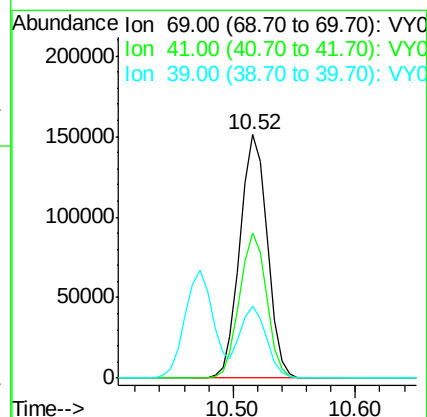
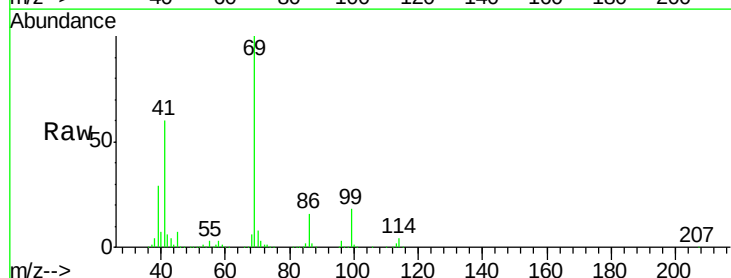
RT: 10.52 min Scan# 1440

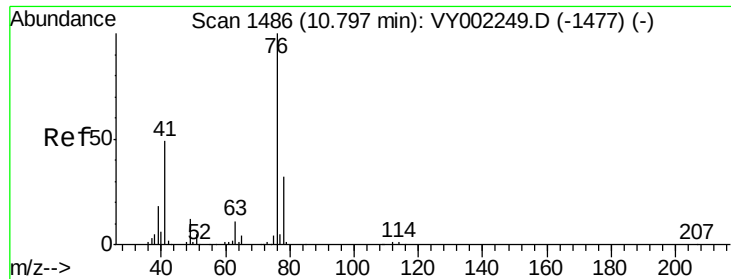
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	69	Resp:	234183
Ion	Ratio	Lower	Upper
69	100		
41	58.7	47.9	71.9
39	27.8	23.8	35.6





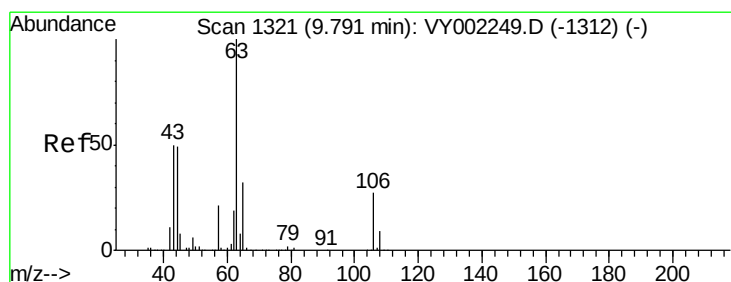
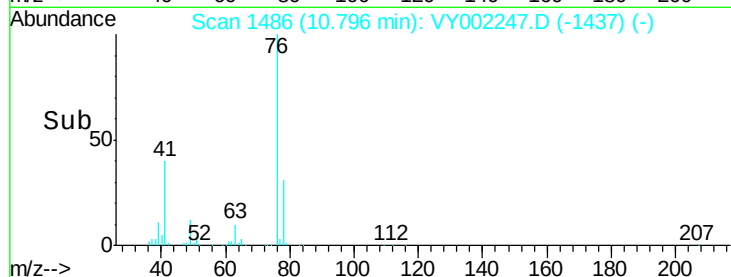
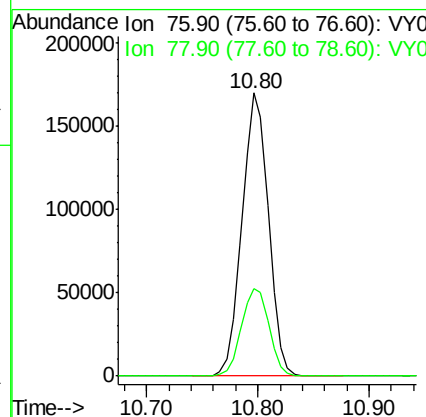
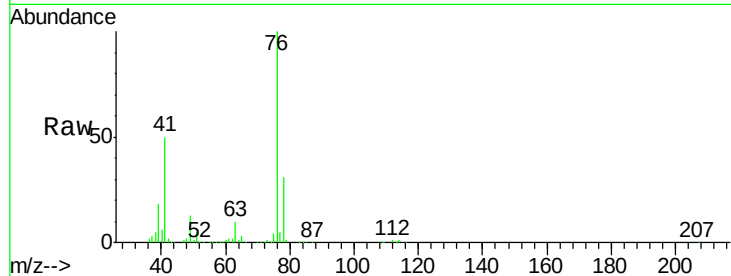
#57
 1,3-Dichloropropane
 Concen: 94.707 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

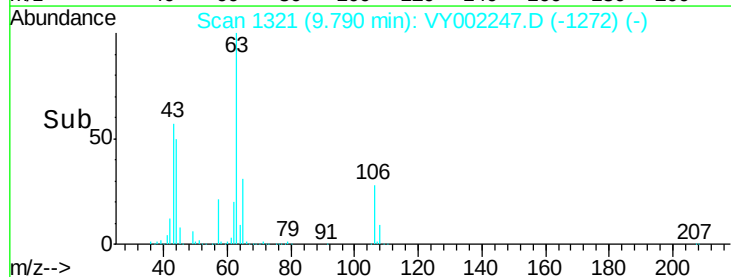
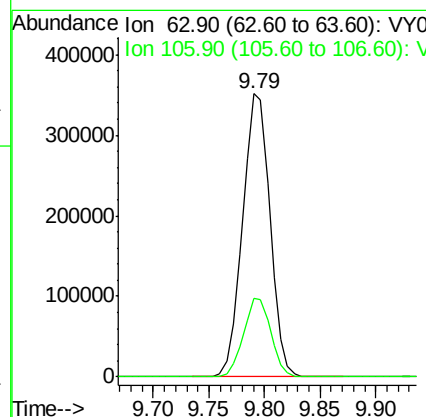
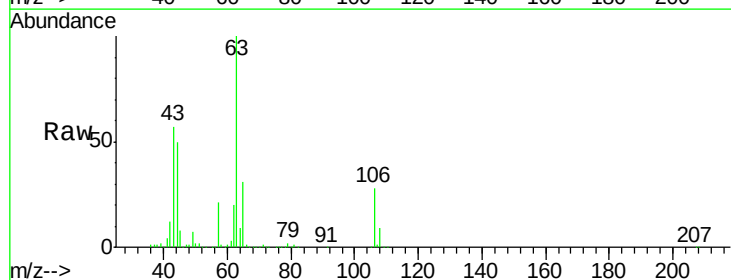
Manual Integrations
 APPROVED

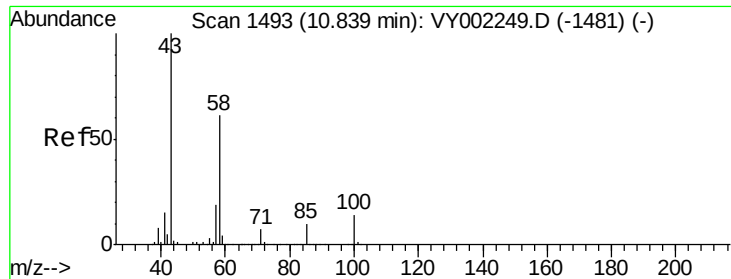
MMDadoda
 4/9/2020 11:31:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 485.100 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.2





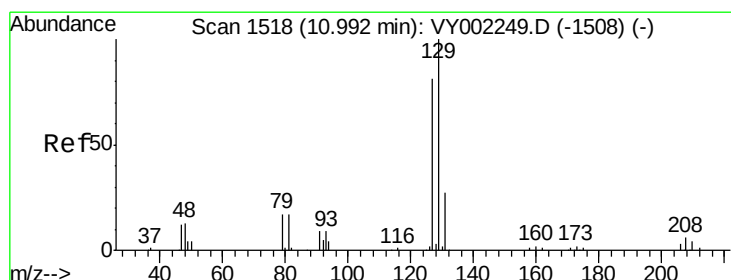
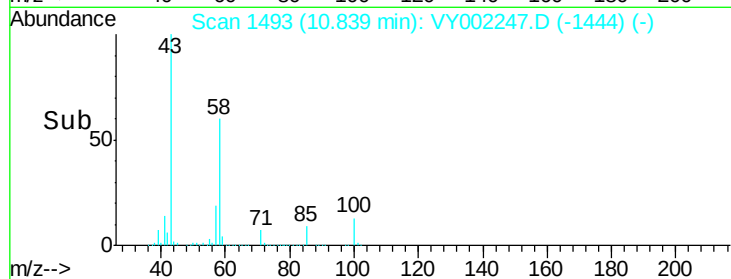
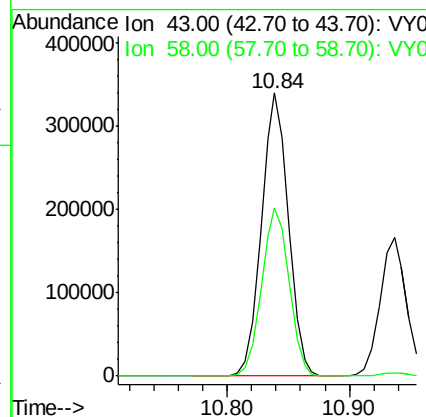
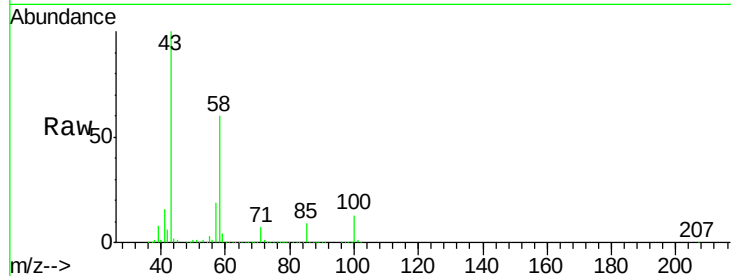
#59
2-Hexanone
Concen: 477.069 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.5	29.8	89.3

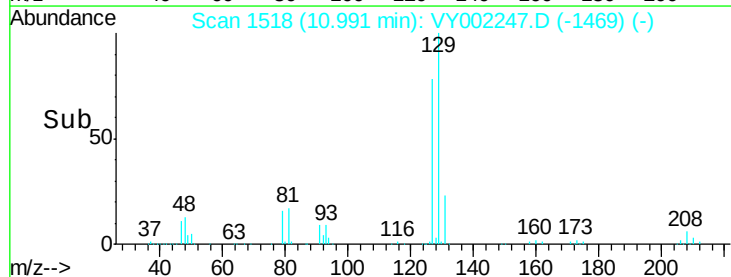
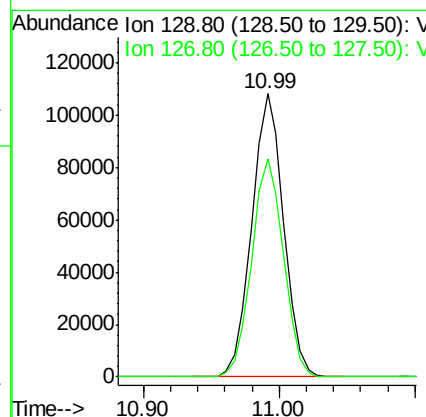
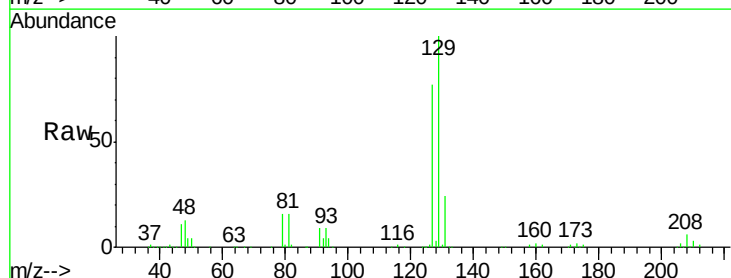
Manual Integrations
APPROVED

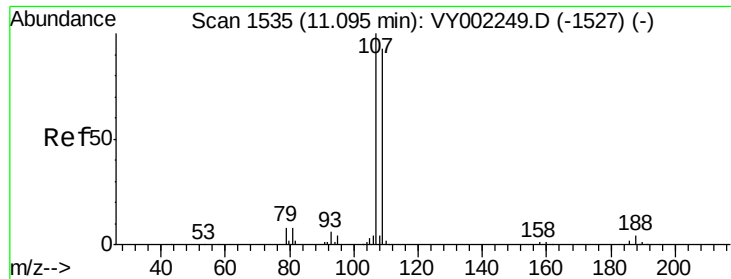
MMDadoda
4/9/2020 11:31:52 AM



#60
Dibromochloromethane
Concen: 99.187 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.0	117.0





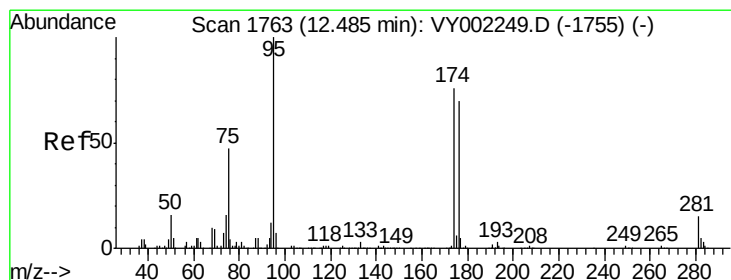
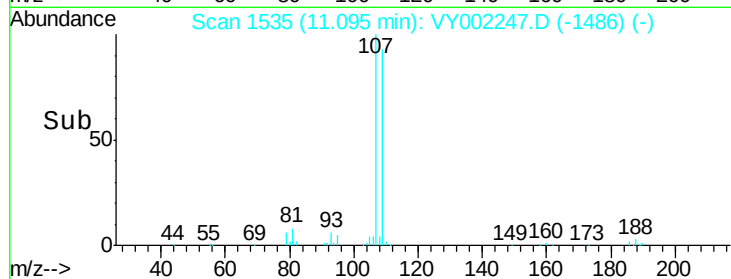
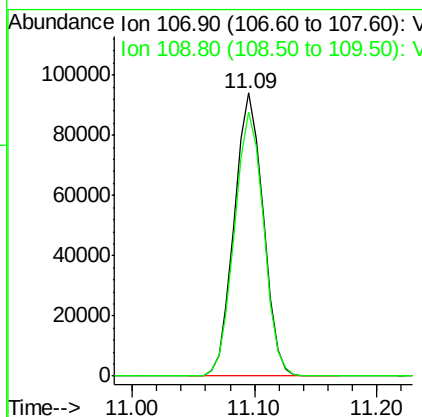
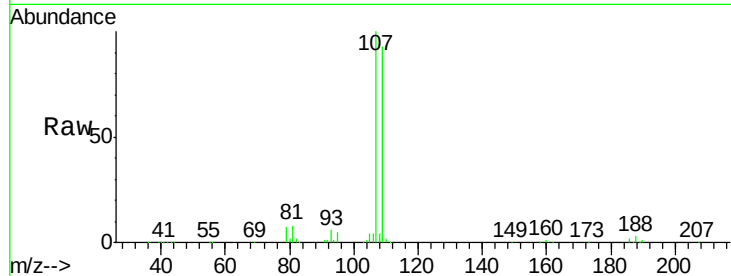
#61
 1,2-Dibromoethane
 Concen: 96.710 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	153988		
109	94.2	75.6	113.4	

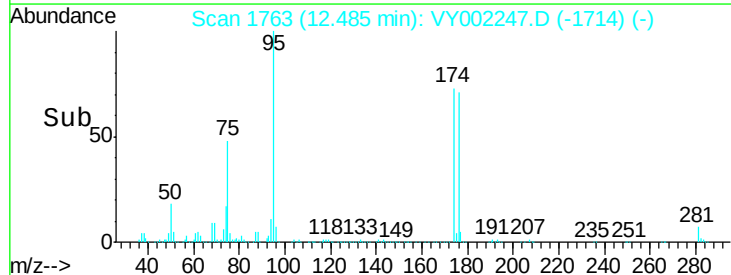
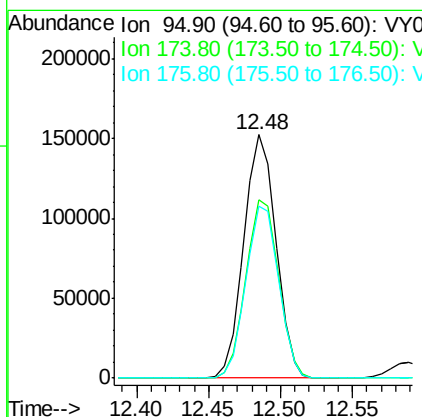
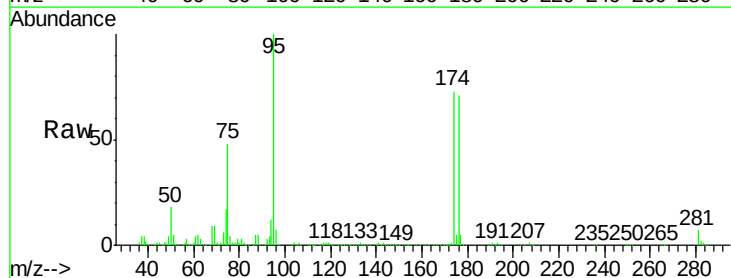
Manual Integrations
 APPROVED

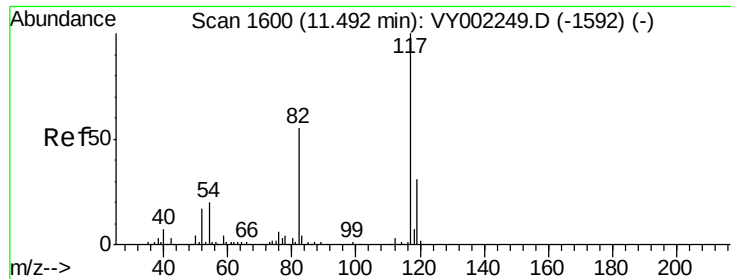
MMDadoda
 4/9/2020 11:31:52 AM



#62
 4-Bromofluorobenzene
 Concen: 97.273 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	235518		
174	74.8	0.0	150.6	
176	72.2	0.0	141.4	





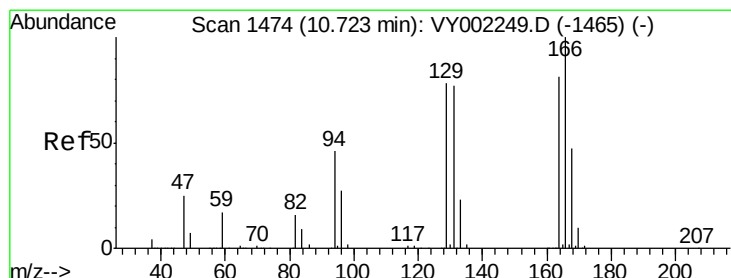
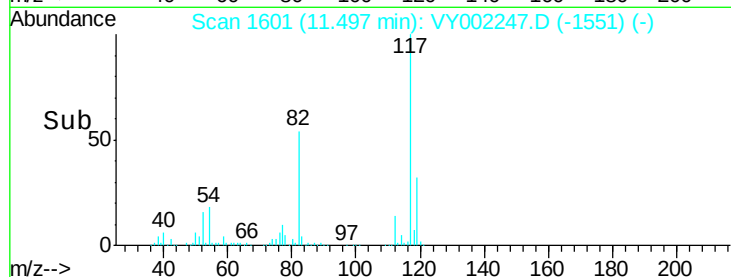
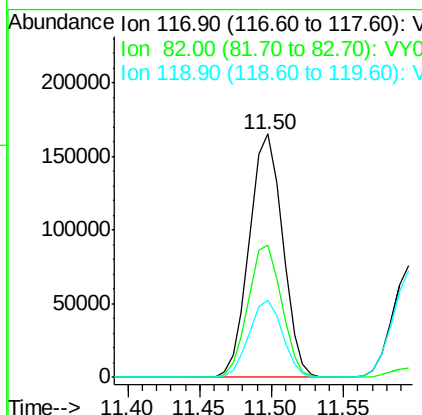
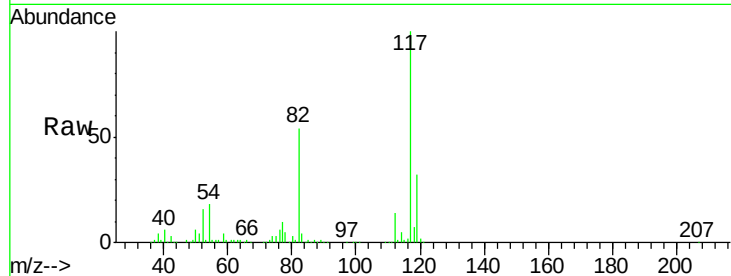
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264584		
82	54.1		44.2	66.4
119	31.8		25.1	37.7

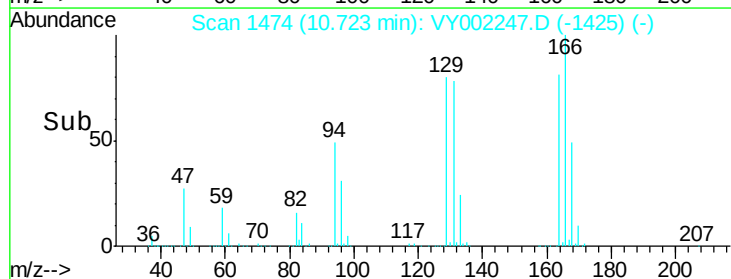
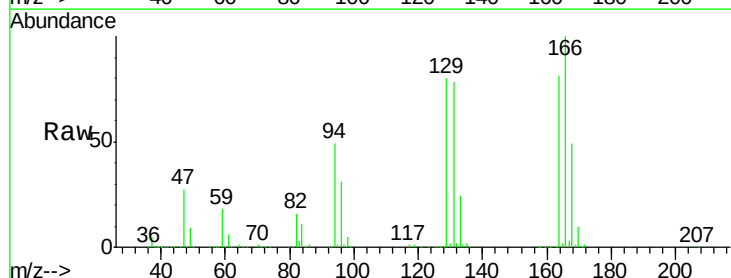
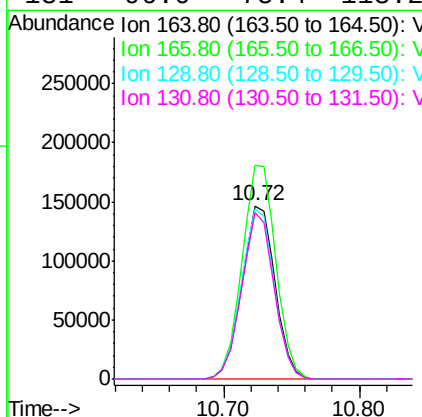
Manual Integrations
APPROVED

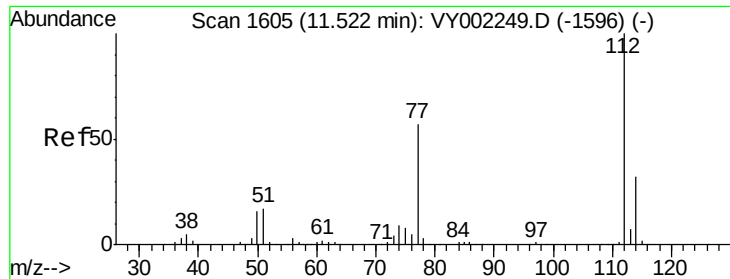
MMDadoda
4/9/2020 11:31:52 AM



#64
Tetrachloroethene
Concen: 93.345 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	249698		
166	123.2		98.4	147.6
129	98.6		76.6	115.0
131	96.0		75.4	113.2





#65

Chlorobenzene

Concen: 92.682 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 509744

Ion Ratio Lower Upper

112 100

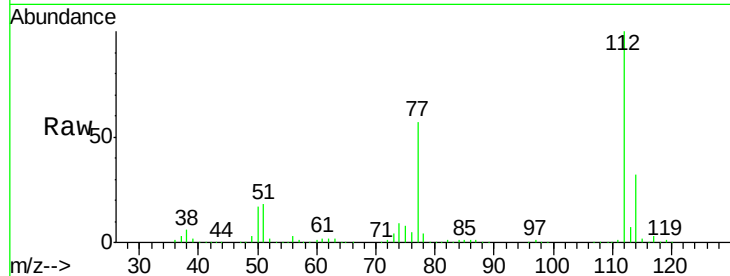
114 32.4 25.6 38.4

Manual Integrations

APPROVED

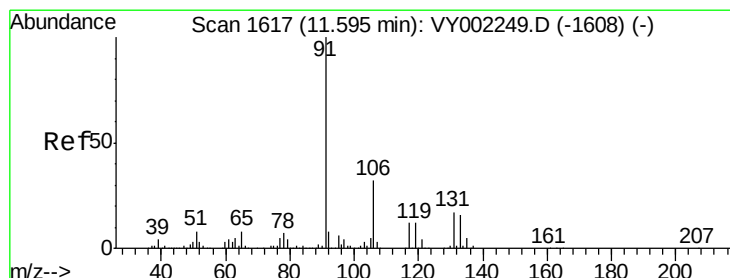
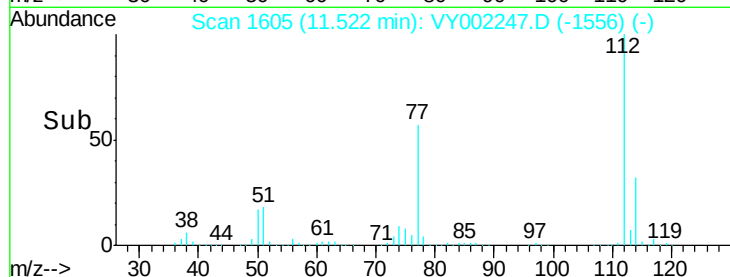
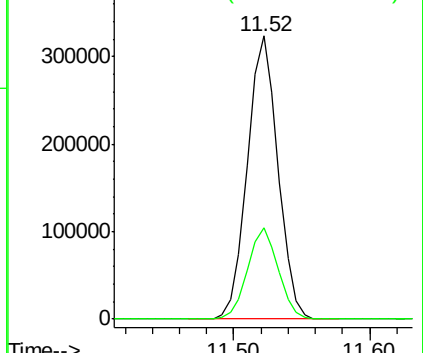
MMDadoda

4/9/2020 11:31:52 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 94.829 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

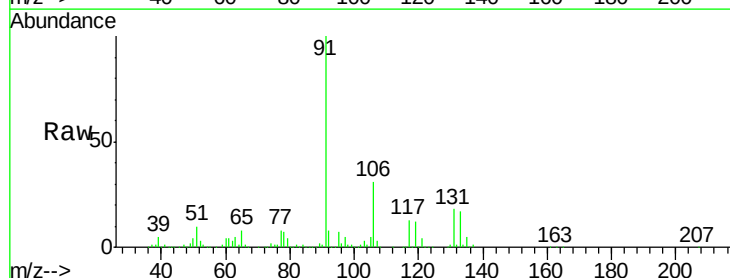
Tgt Ion:131 Resp: 172197

Ion Ratio Lower Upper

131 100

133 95.5 46.5 139.3

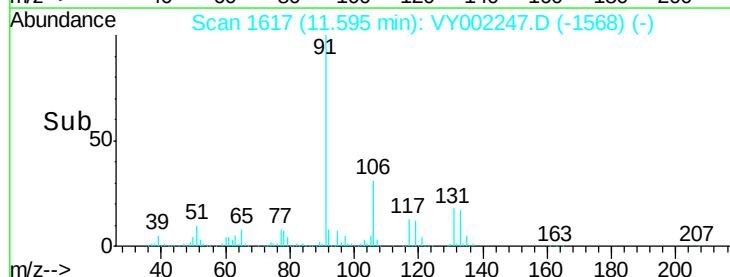
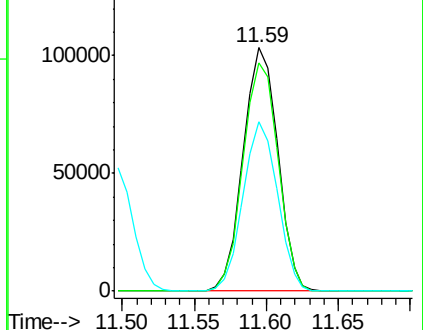
119 69.2 34.5 103.6

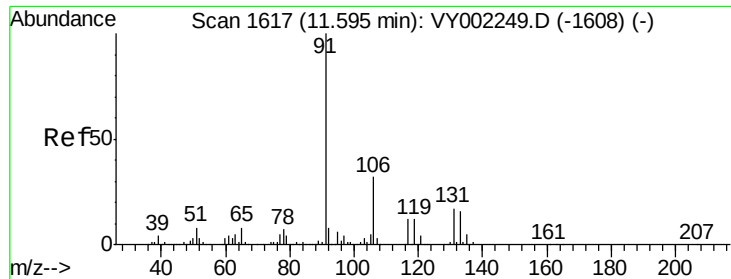


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





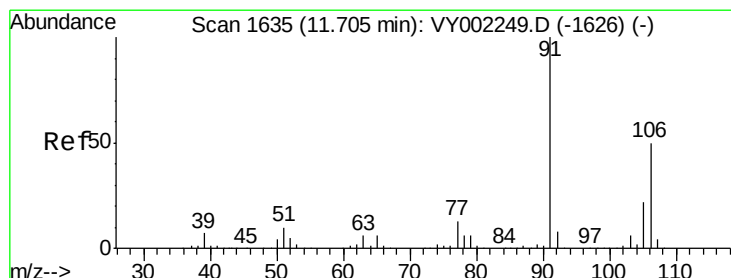
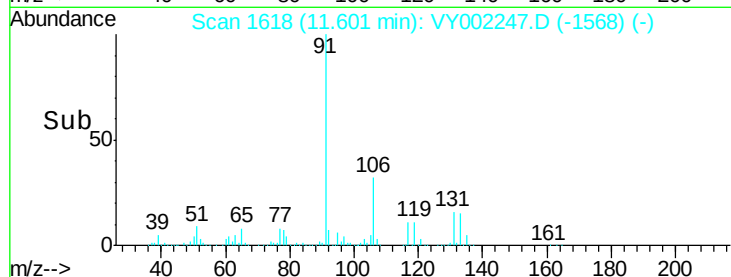
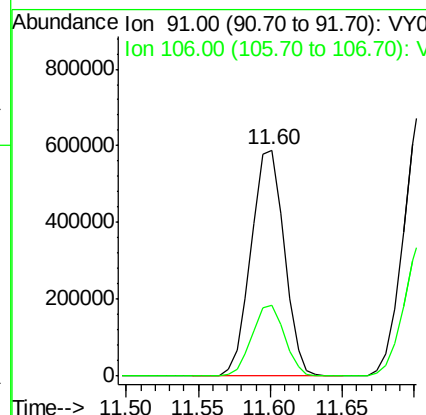
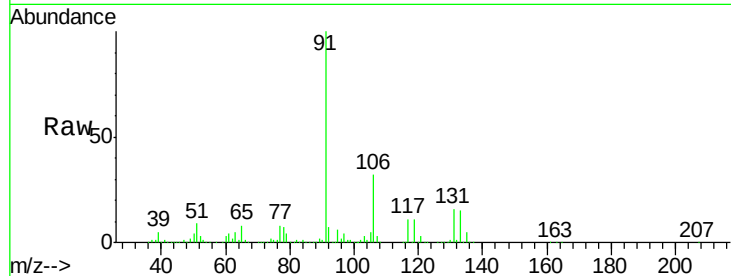
#67
Ethyl Benzene
Concen: 93.230 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 938695
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0

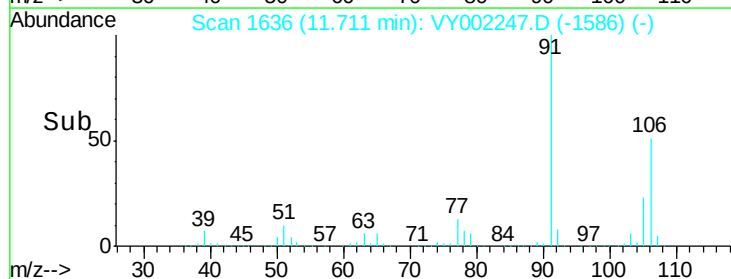
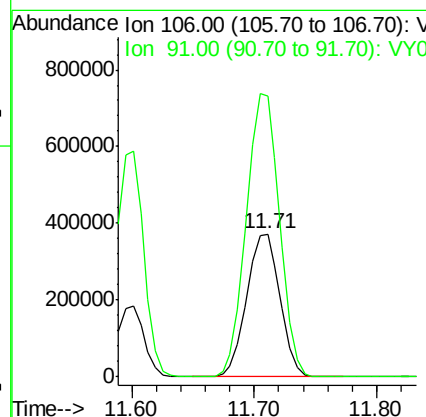
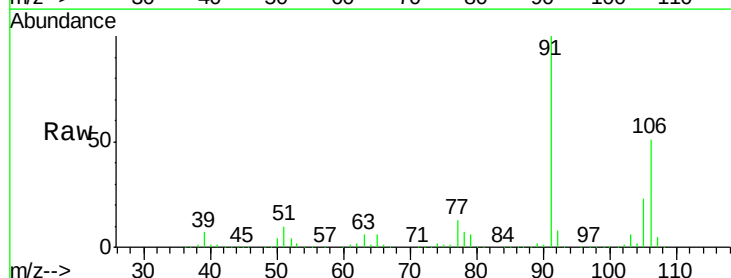
Manual Integrations
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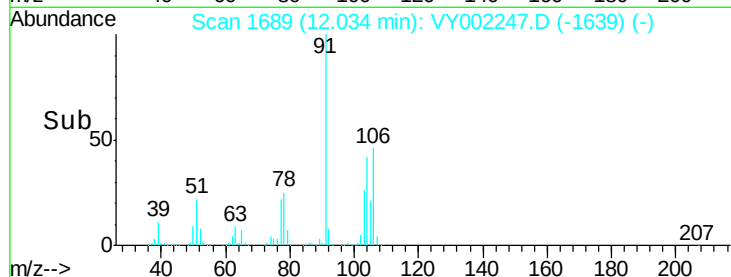
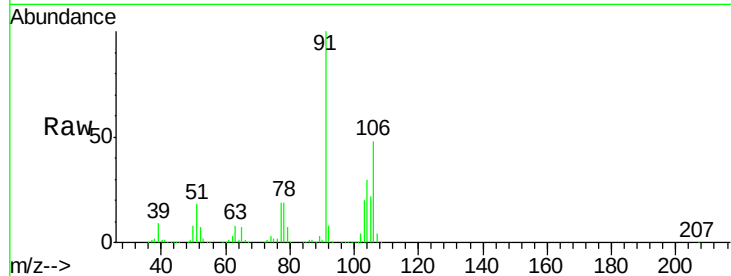
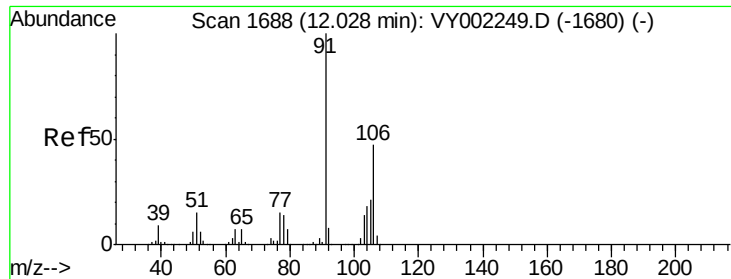
MMDadoda
4/9/2020 11:31:52 AM



#68
m/p-Xylenes
Concen: 186.323 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion: 106 Resp: 702650
Ion Ratio Lower Upper
106 100
91 198.2 159.8 239.6





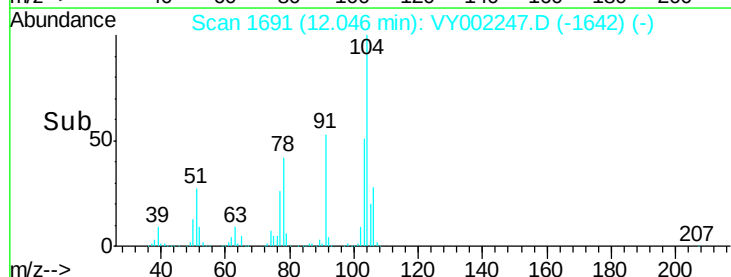
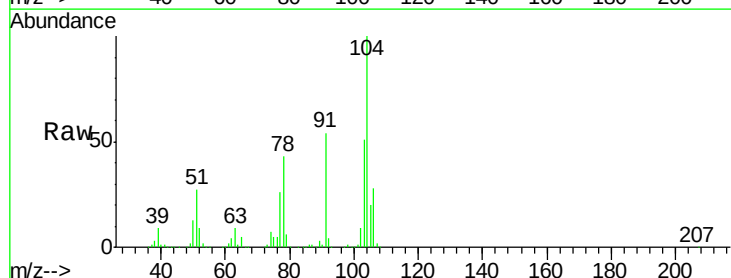
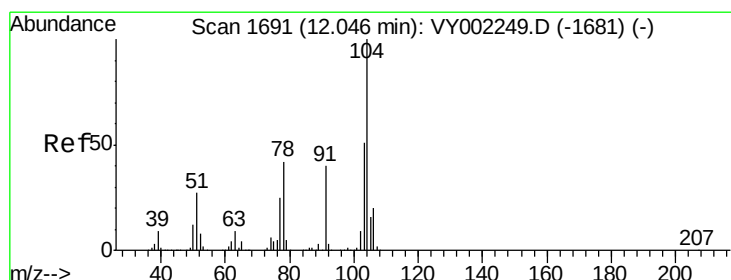
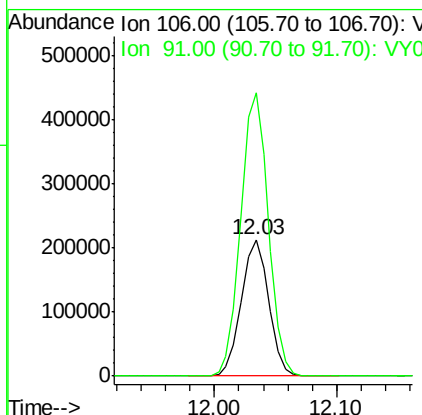
#69
o-Xylene
Concen: 93.304 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tot Ion:106 Resp: 330343
Ion Ratio Lower Upper
106 100
91 208.1 105.8 317.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

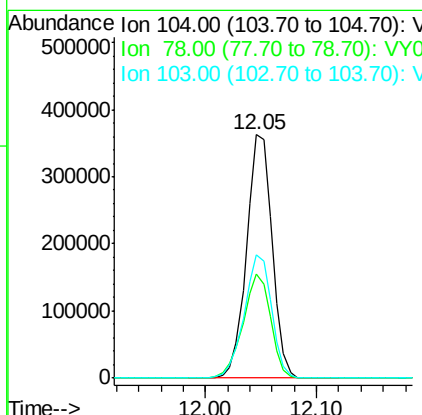
Manual Integrations
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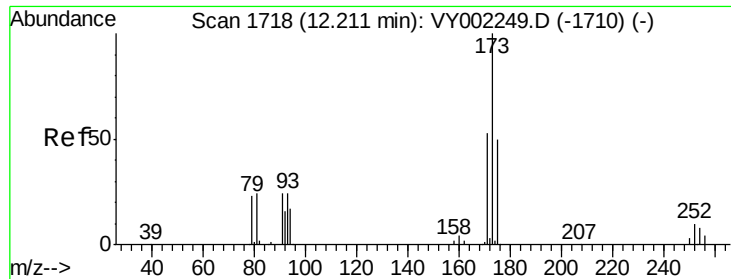
MMDadoda
4/9/2020 11:31:52 AM



#70
Styrene
Concen: 94.083 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion:104 Resp: 577913
Ion Ratio Lower Upper
104 100
78 46.1 37.2 55.8
103 54.5 43.4 65.0





#71

Bromoform

Concen: 100.523 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

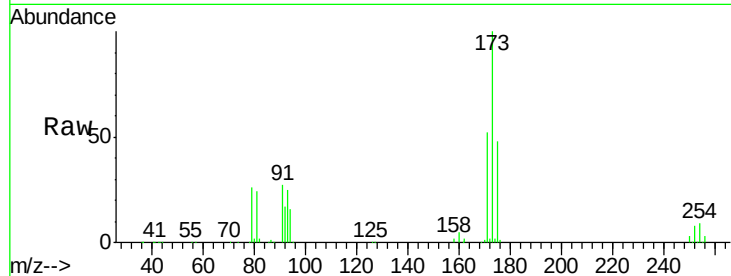
ClientSampleId :

VSTDIC100

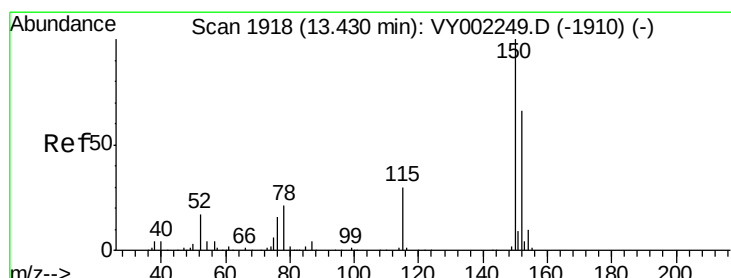
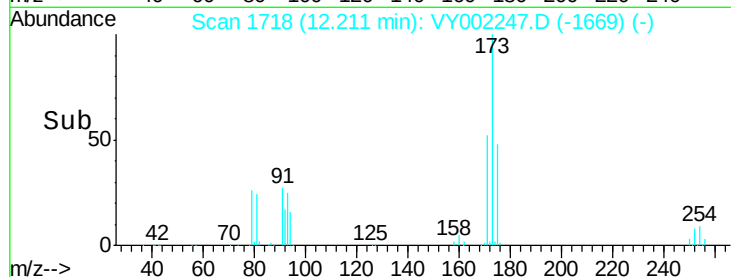
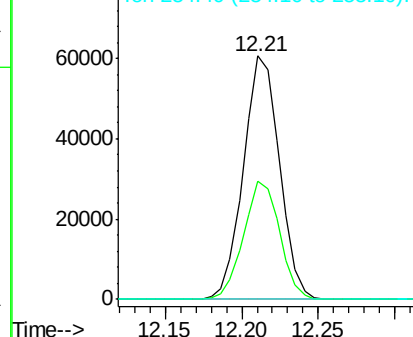
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

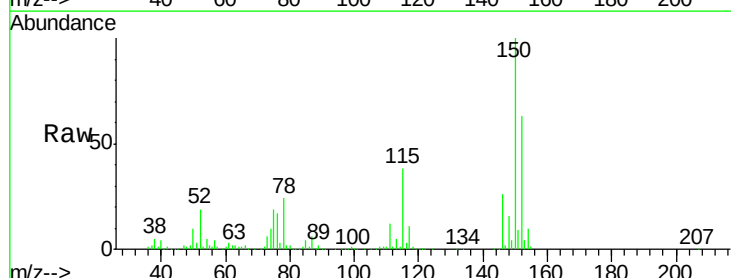
RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

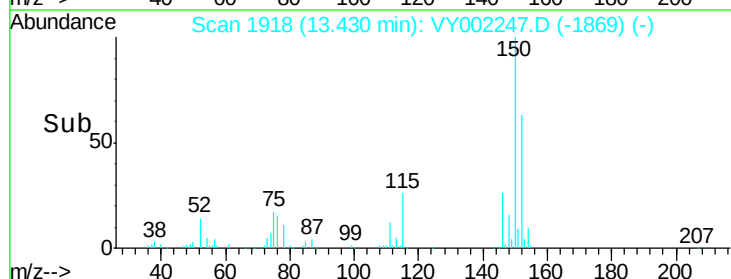
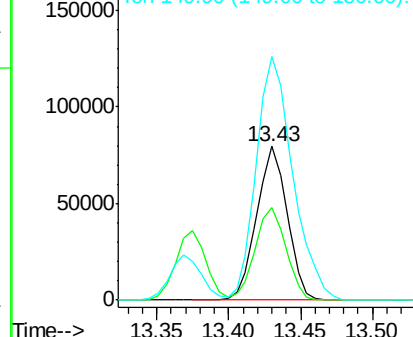
Lab File: VY002247.D

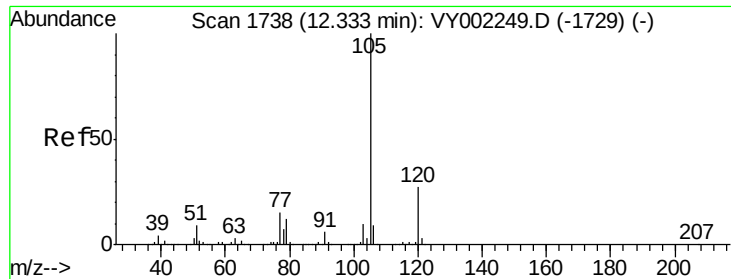
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.7	92.1
150	190.6	0.0	350.6



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





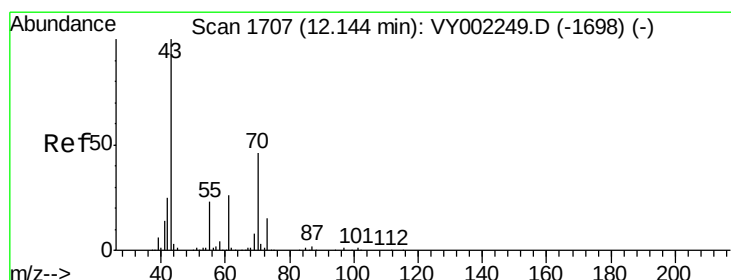
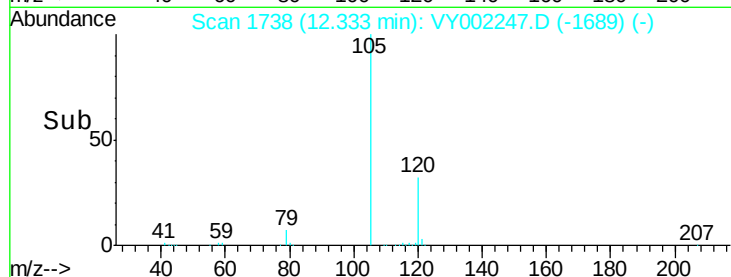
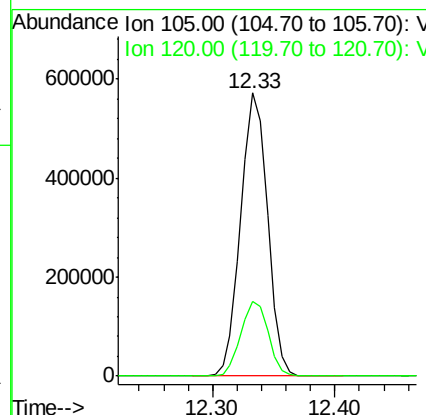
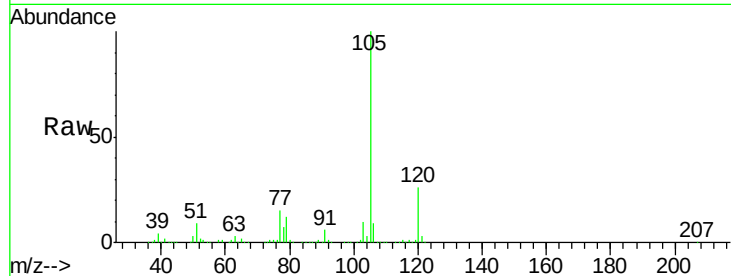
#73
Isopropylbenzene
Concen: 95.189 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

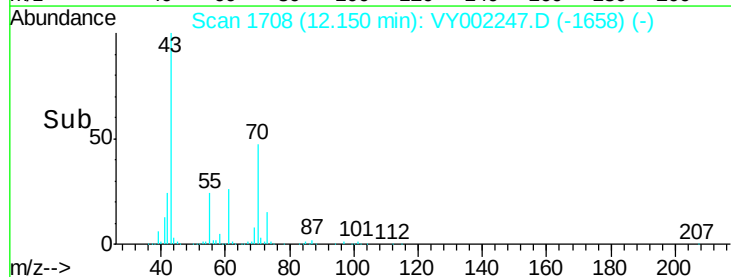
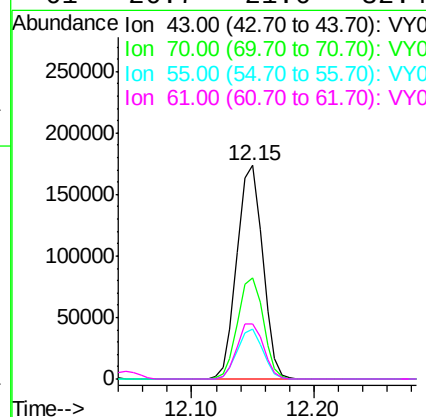
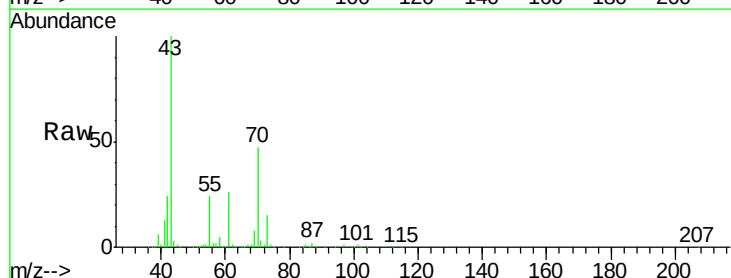
Manual Integrations
APPROVED

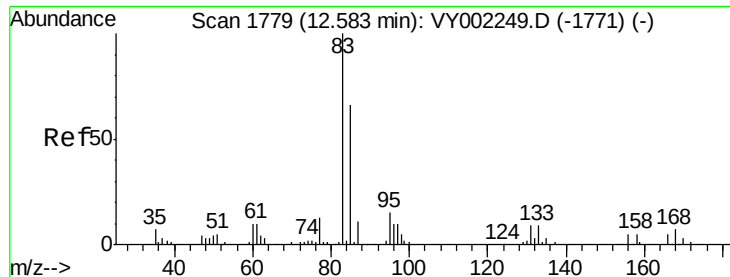
MMDadoda
4/9/2020 11:31:52 AM



#74
N-ethyl acetate
Concen: 97.586 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.3	37.5	56.3
55	23.4	19.0	28.6
61	26.7	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 100.677 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 111138

Ion Ratio Lower Upper

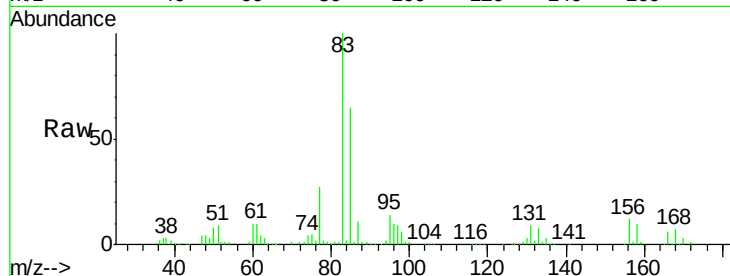
83 100

131 9.6 4.9 14.7

85 62.9 32.6 97.8

Manual Integrations
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4/9/2020 11:31:52 AM

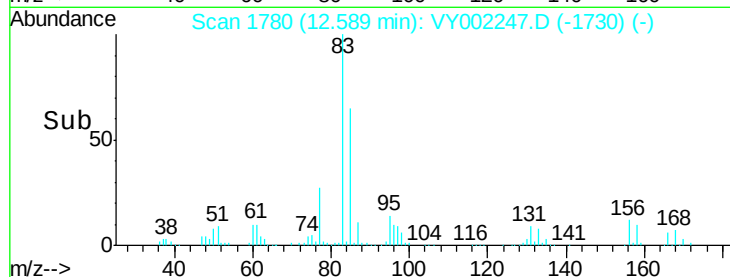


Abundance Ion 82.90 (82.60 to 83.60): VY002249.D (-1771) (-)

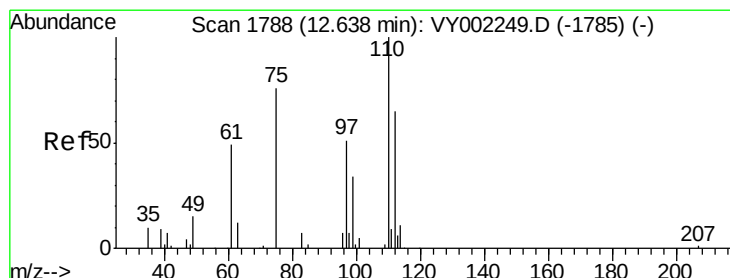
Ion 130.80 (130.50 to 131.50): VY002249.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY002249.D (-1771) (-)

Time--> 12.50 12.55 12.60 12.65



Time--> 12.50 12.55 12.60 12.65



#76

1,2,3-Trichloropropane

Concen: 53.960 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002247.D

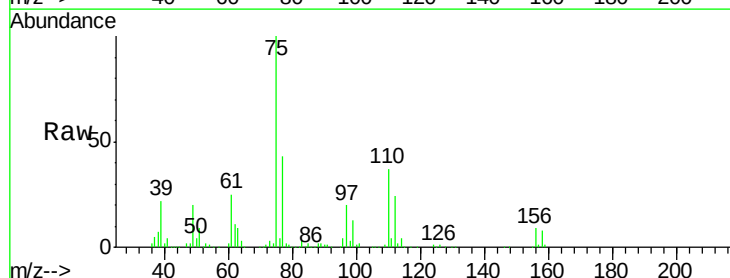
Acq: 08 Apr 2020 12:52

Tgt Ion: 75 Resp: 125555

Ion Ratio Lower Upper

75 100

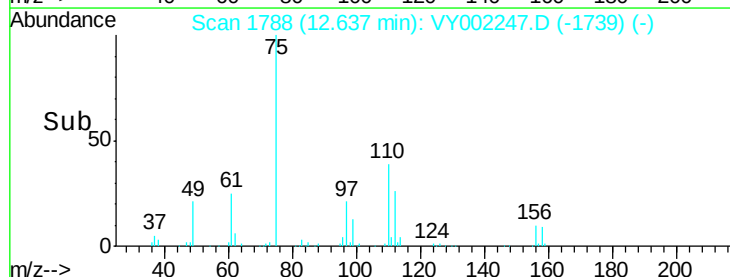
77 0.0 0.0 0.0



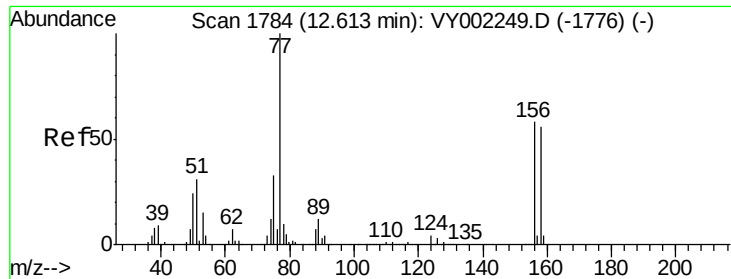
Abundance Ion 74.90 (74.60 to 75.60): VY002249.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY002249.D (-1785) (-)

Time--> 12.62 12.64 12.66 12.68



Time--> 12.62 12.64 12.66 12.68



#77

Bromobenzene

Concen: 96.542 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

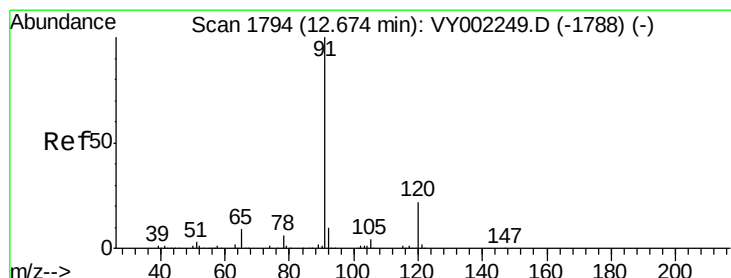
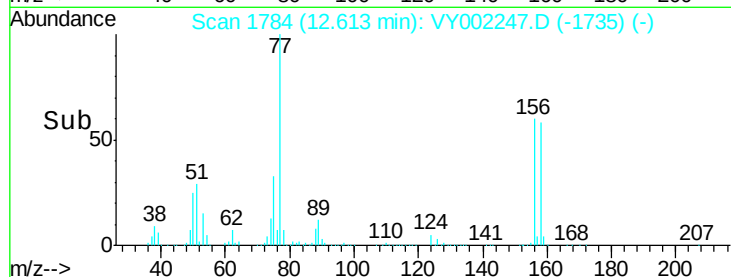
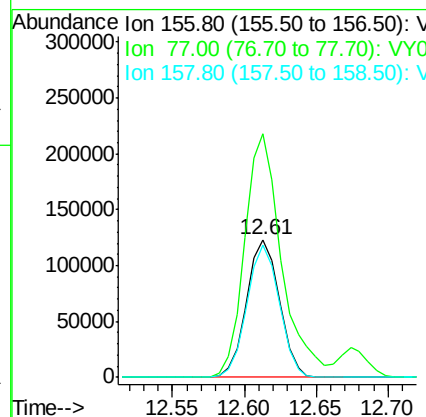
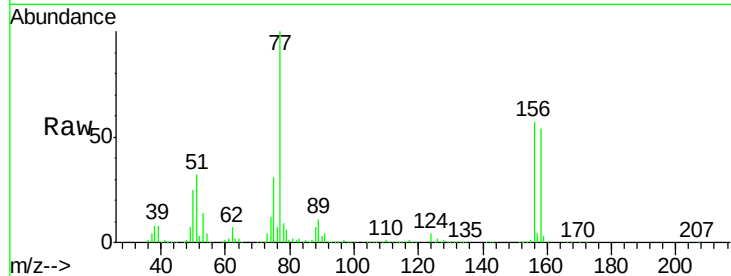
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	193797
Ion Ratio	Lower	Upper	
156	100		
77	198.6	101.3	303.9
158	94.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 93.905 ug/l

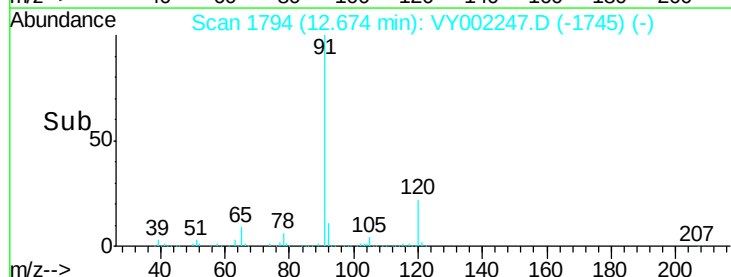
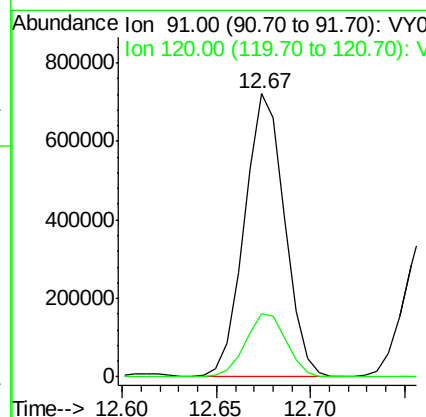
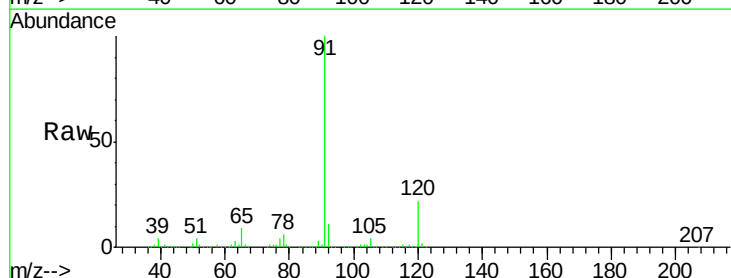
RT: 12.67 min Scan# 1794

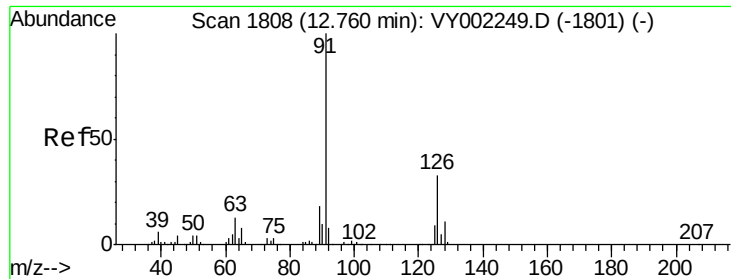
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	91	Resp:	1065611
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 94.711 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 584078

Ion Ratio Lower Upper

91 100

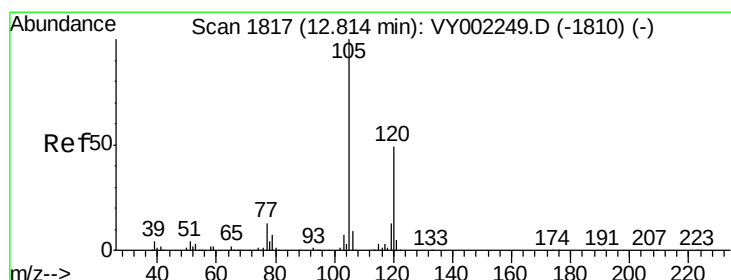
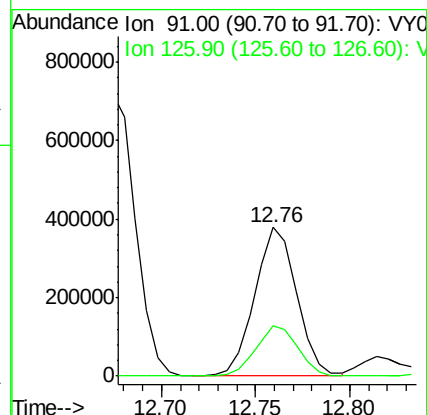
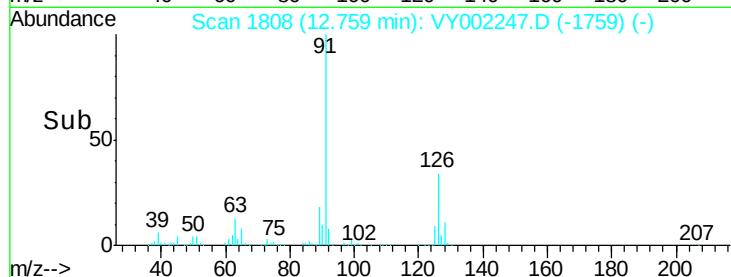
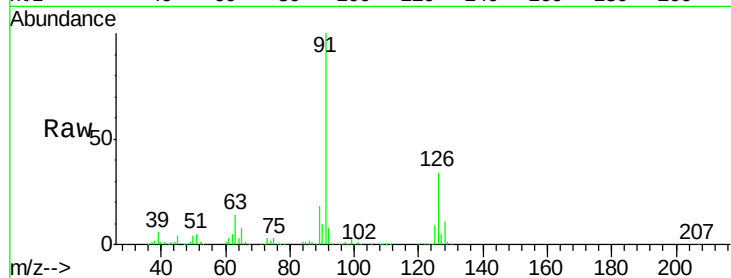
126 33.8 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 94.623 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002247.D

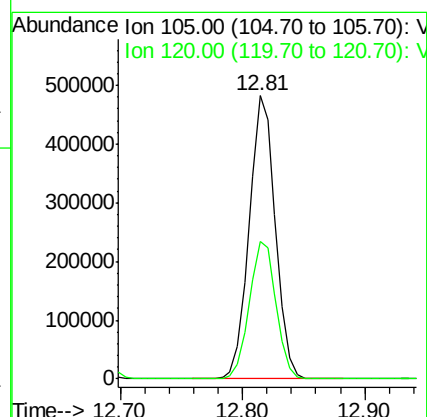
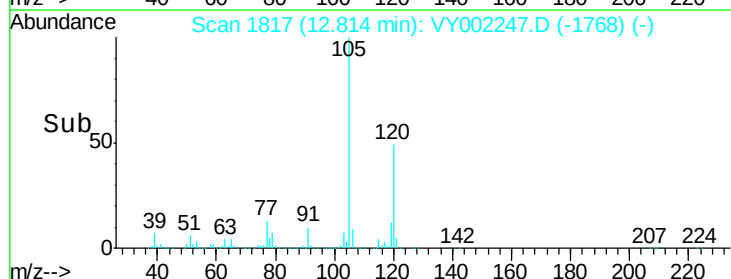
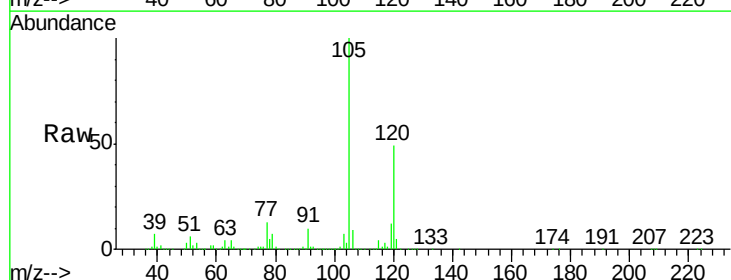
Acq: 08 Apr 2020 12:52

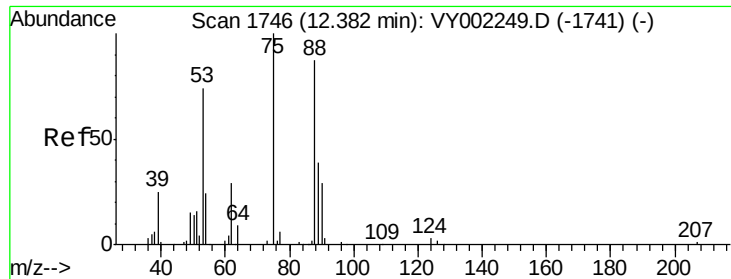
Tgt Ion: 105 Resp: 714015

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 100.803 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

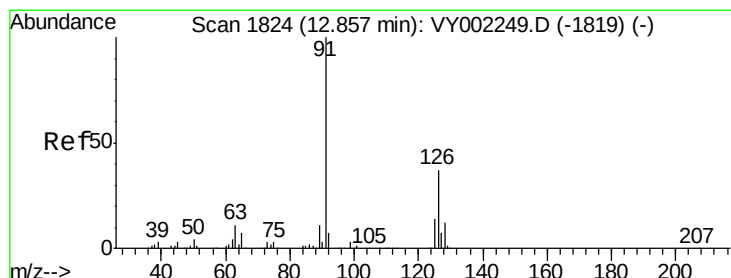
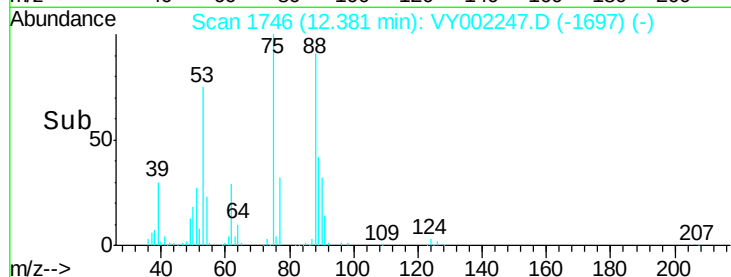
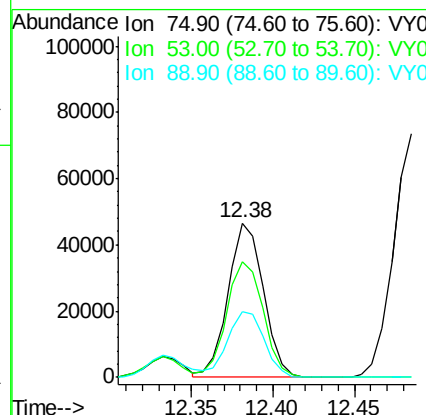
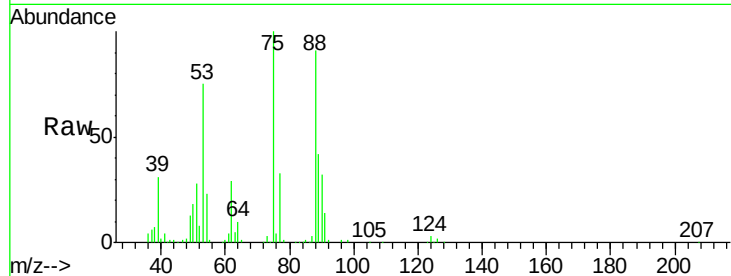
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	69897
Ion Ratio	Lower	Upper	
75	100		
53	78.3	59.8	89.8
89	44.2	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.097 ug/l

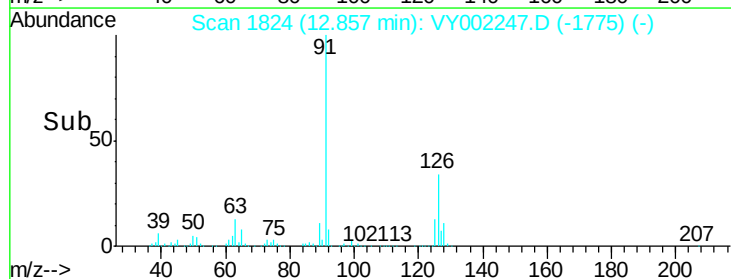
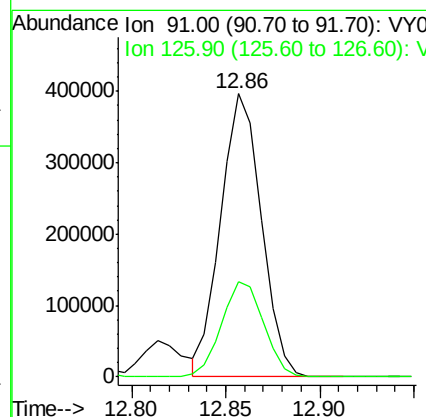
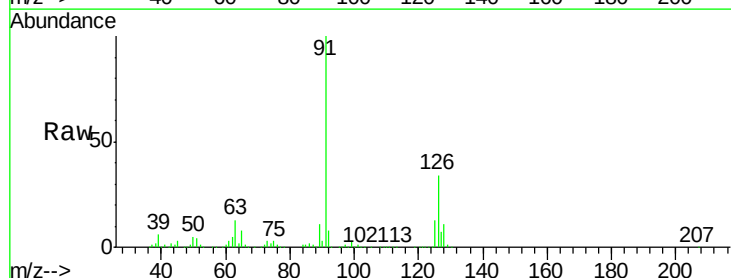
RT: 12.86 min Scan# 1824

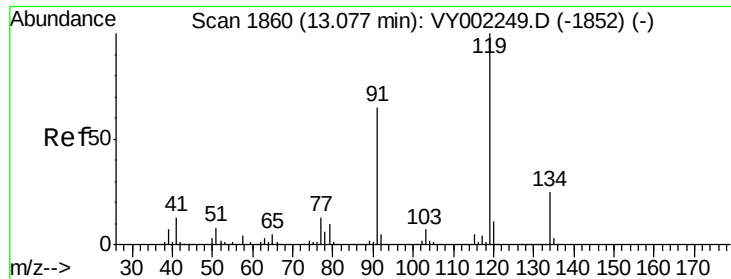
Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	91	Resp:	595280
Ion Ratio	Lower	Upper	
91	100		
126	34.8	16.9	50.7





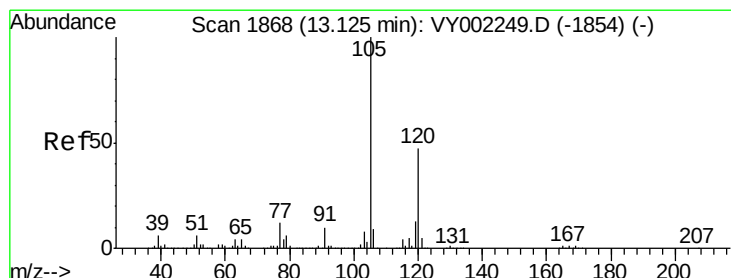
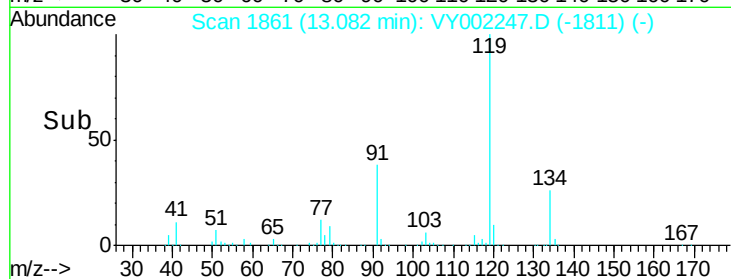
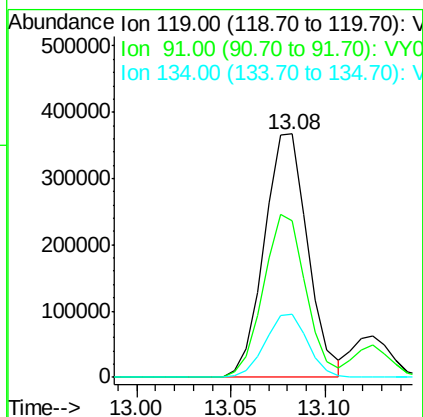
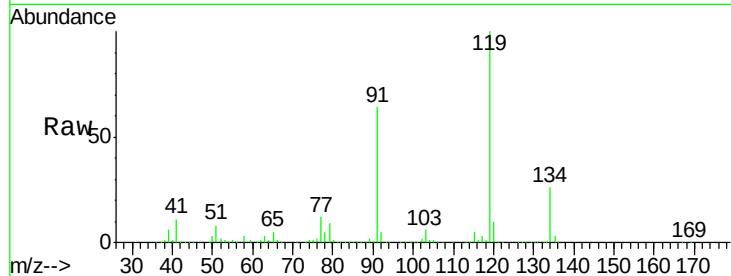
#83
tert-Butylbenzene
Concen: 93.222 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.4	97.0
134	25.6	12.6	37.6

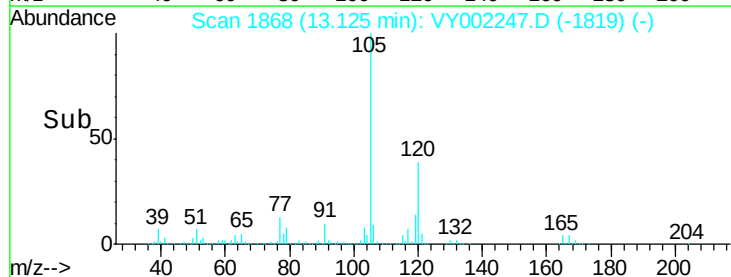
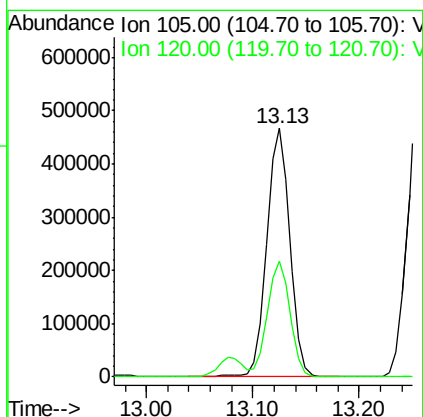
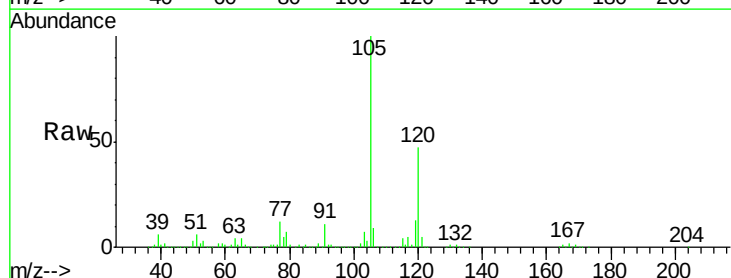
Manual Integrations
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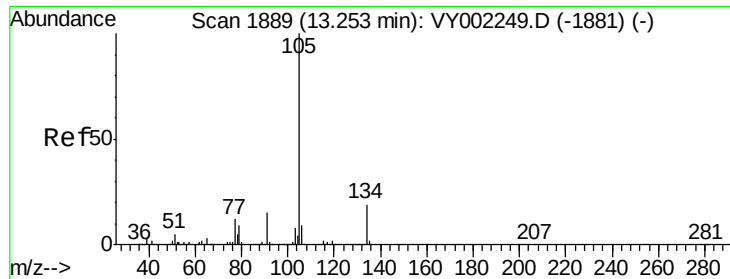
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#84
1,2,4-Trimethylbenzene
Concen: 93.857 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 92.041 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 866638

Ion Ratio Lower Upper

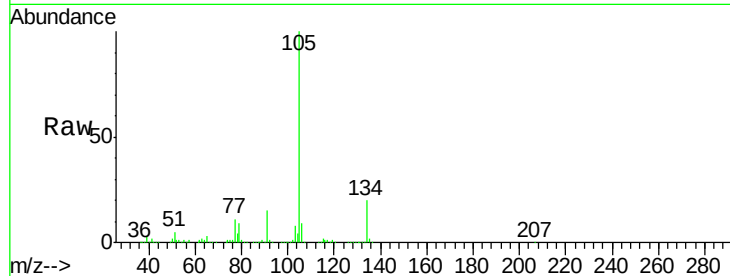
105 100

134 19.7 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

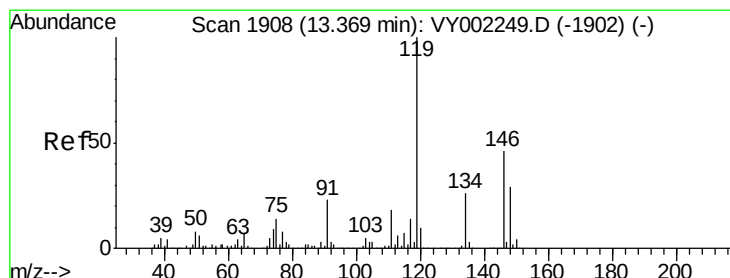
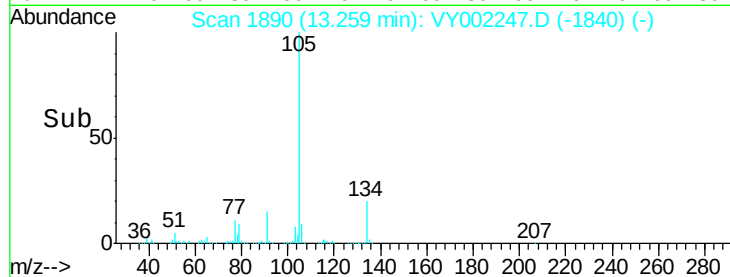
400000

200000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 92.352 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

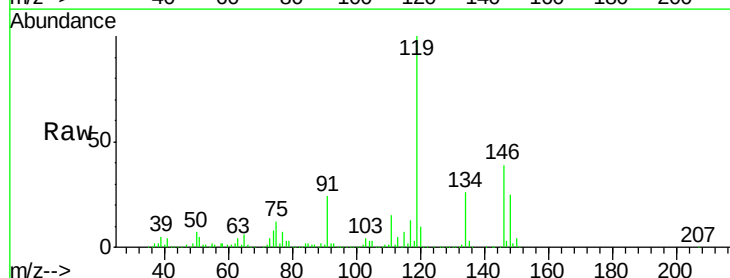
Tgt Ion:119 Resp: 748407

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

600000

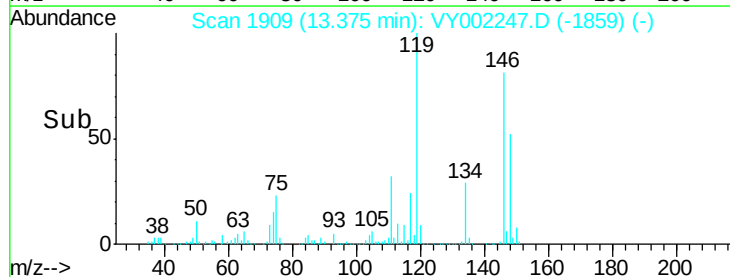
400000

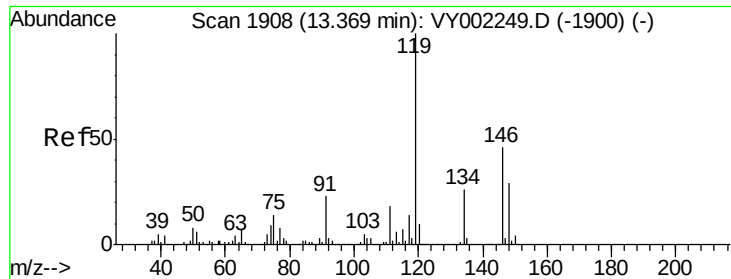
200000

0

13.30 13.35 13.40

Time-->





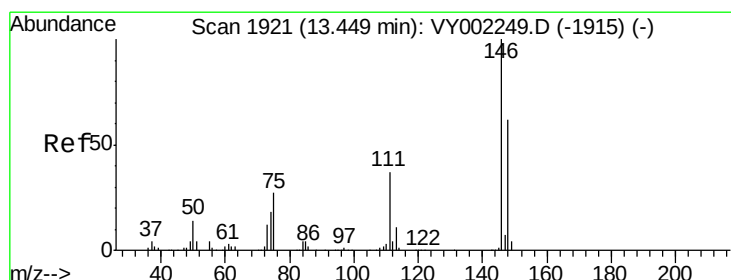
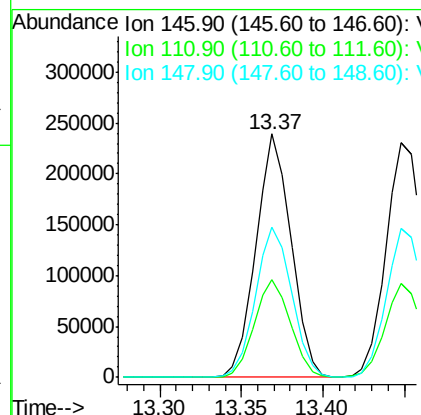
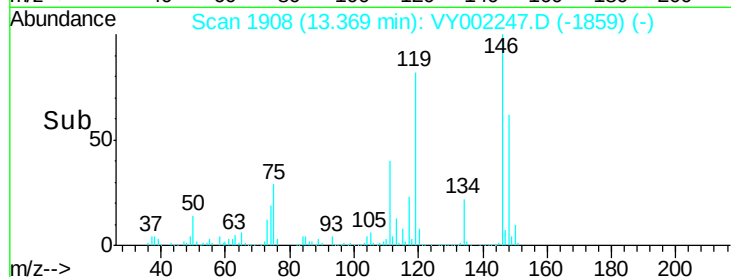
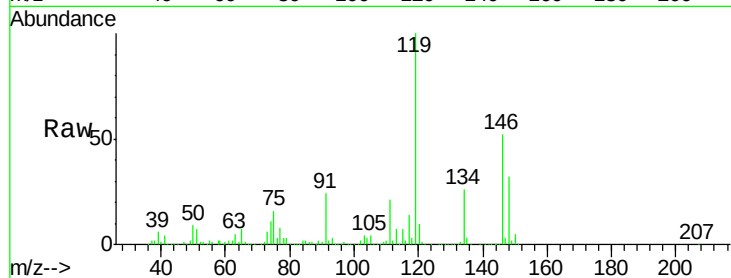
#87
 1,3-Dichlorobenzene
 Concen: 92.198 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	358686		
111	40.9	20.3	60.8	
148	63.4	32.1	96.3	

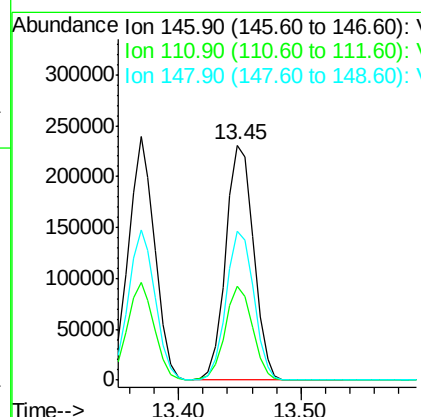
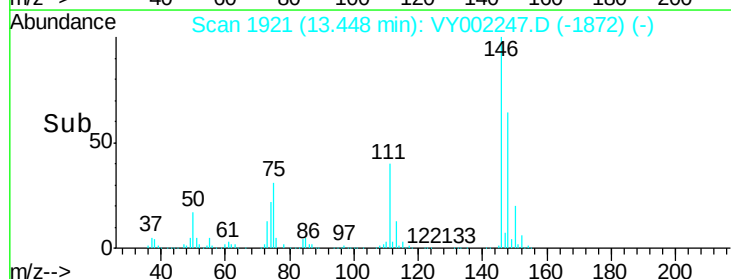
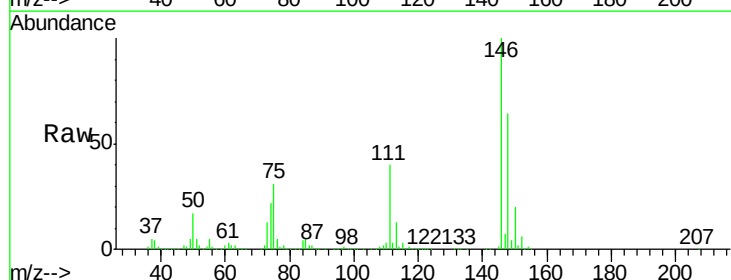
Manual Integrations
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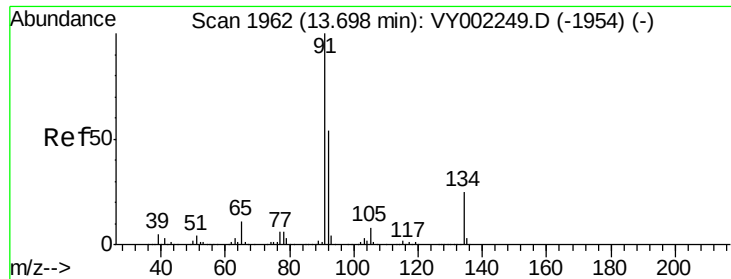
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#88
 1,4-Dichlorobenzene
 Concen: 91.982 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	363240		
111	39.1	19.6	58.8	
148	62.8	32.0	96.0	





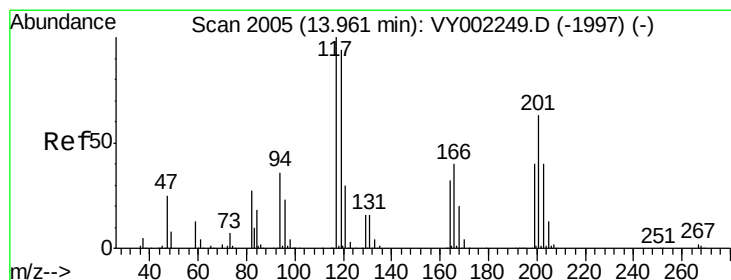
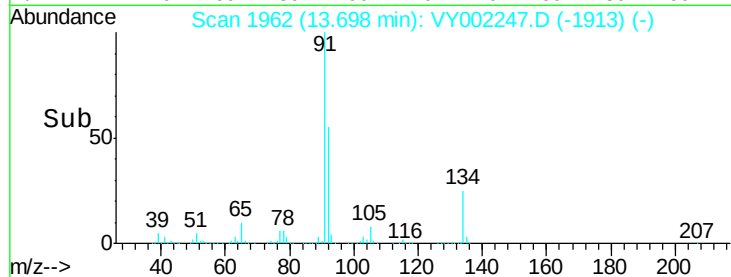
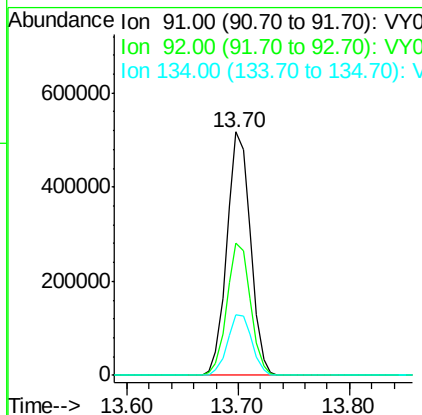
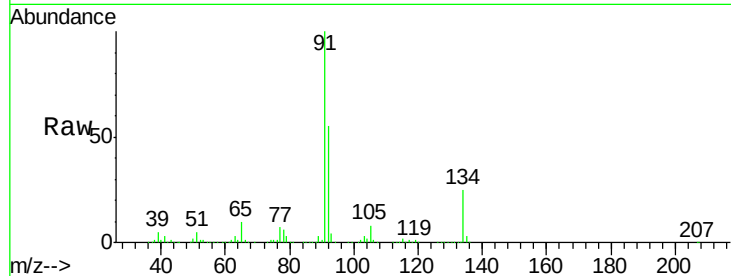
#89
n-Butylbenzene
Concen: 90.891 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.6
134	25.7	12.7	38.0

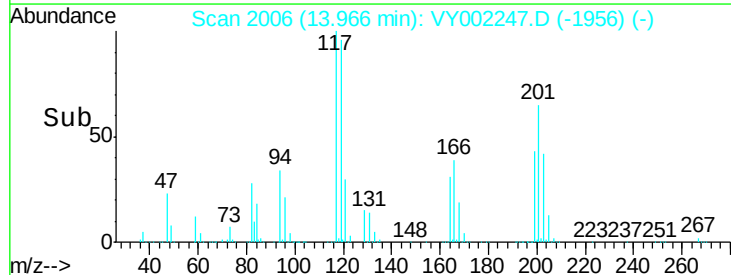
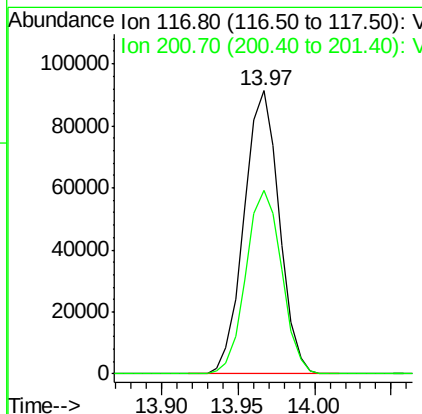
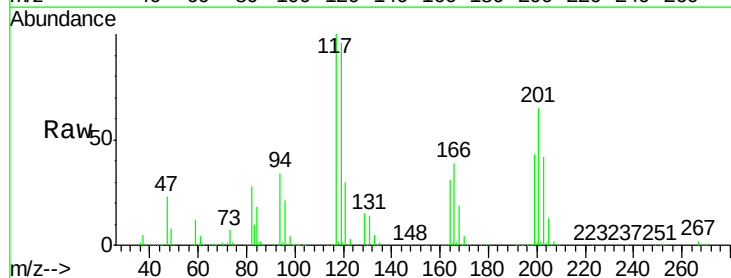
Manual Integrations
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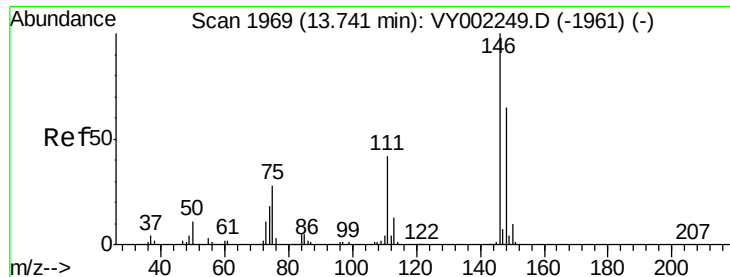
MMDadoda
4/9/2020 11:31:52 AM



#90
Hexachloroethane
Concen: 94.730 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.1	99.2





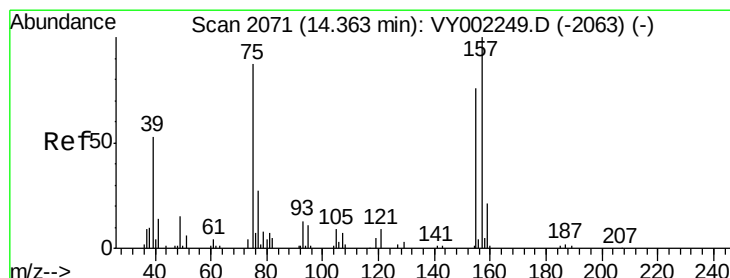
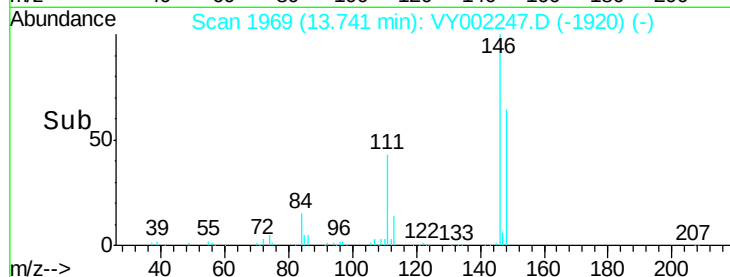
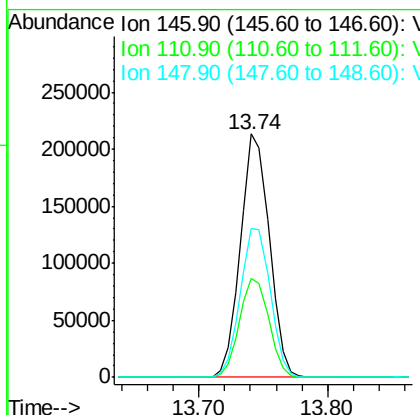
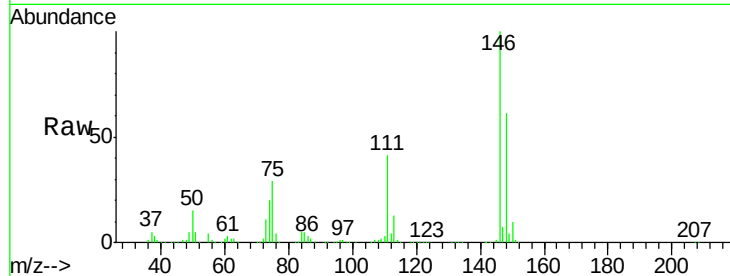
#91
 1,2-Dichlorobenzene
 Concen: 93.711 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	63.3	31.9	95.9

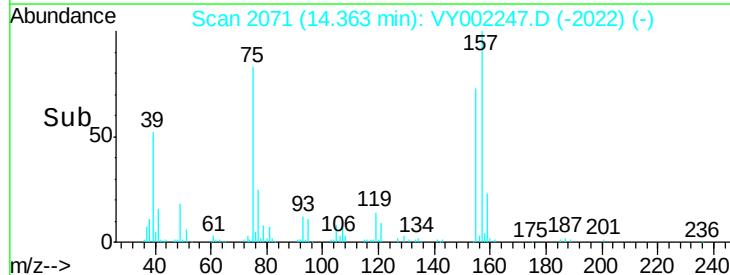
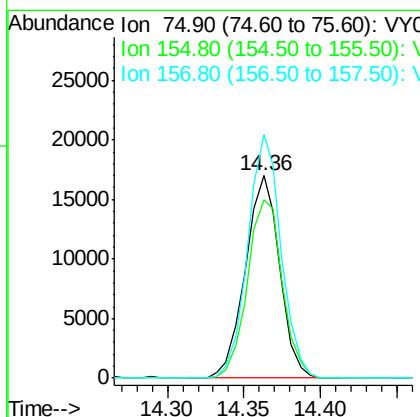
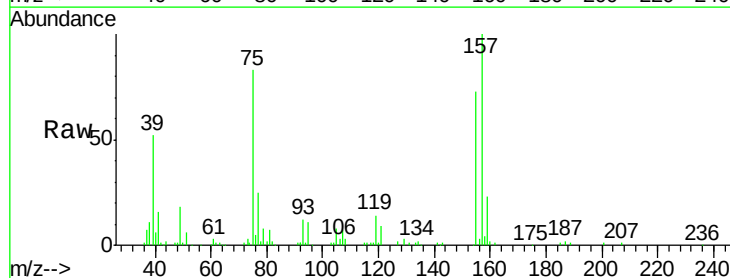
Manual Integrations
 APPROVED

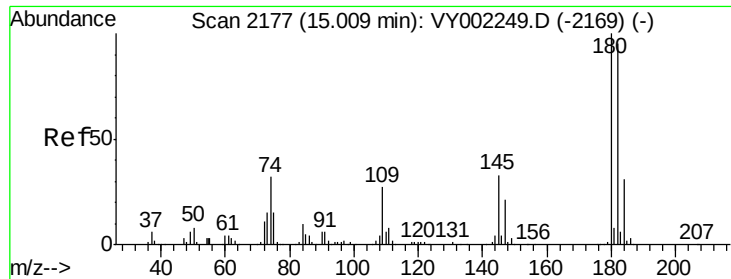
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.916 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002247.D
 Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	43.6	130.8
157	117.1	56.0	168.2





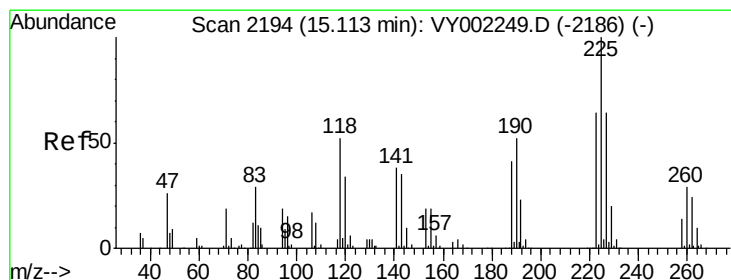
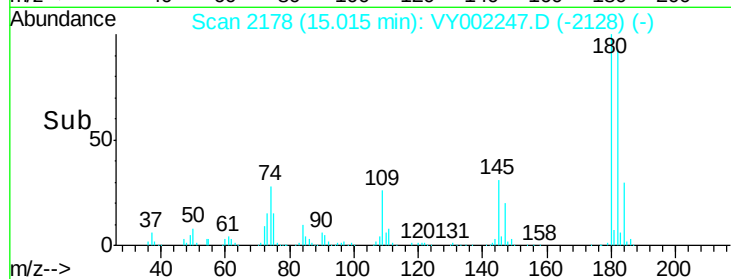
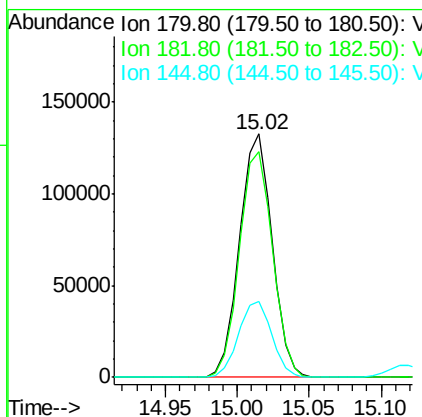
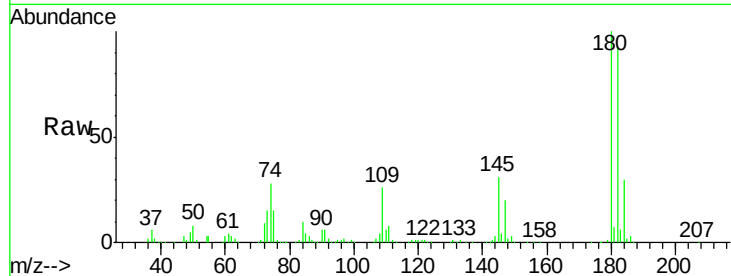
#93
1,2,4-Trichlorobenzene
Concen: 90.209 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	31.8	16.0	48.0

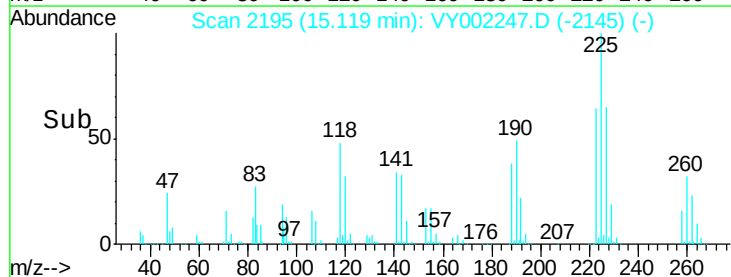
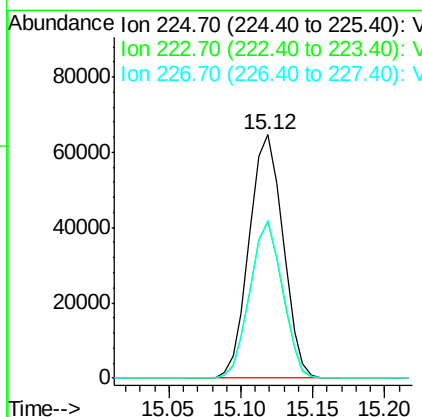
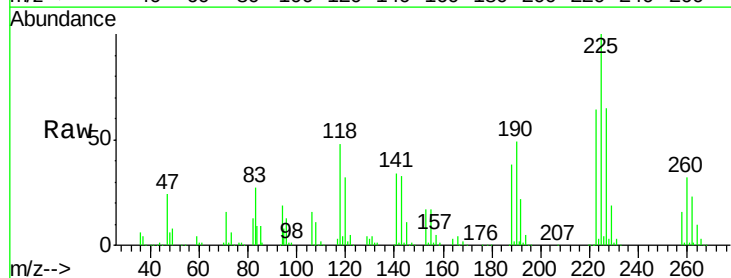
Manual Integrations
APPROVED

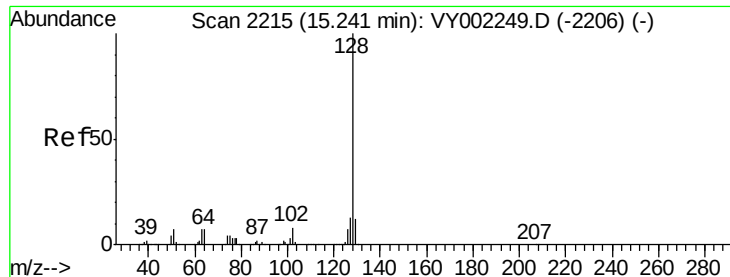
MMDadoda
4/9/2020 11:31:52 AM



#94
Hexachlorobutadiene
Concen: 90.249 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VY002247.D
Acq: 08 Apr 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.0	93.0
227	62.3	31.3	93.9





#95

Naphthalene

Concen: 96.984 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Instrument :

MSVOA_Y

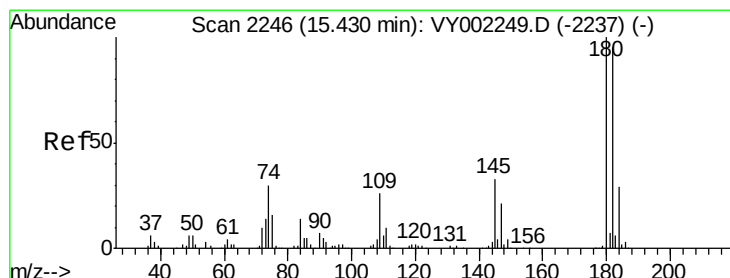
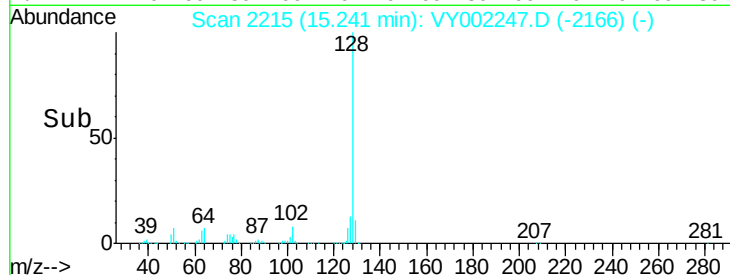
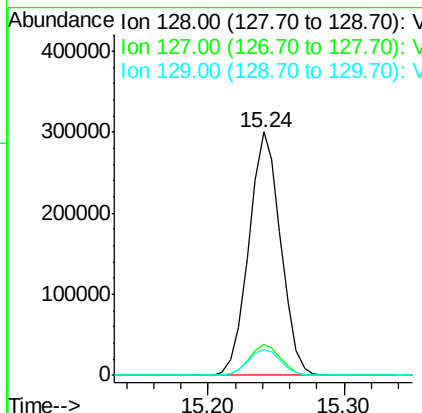
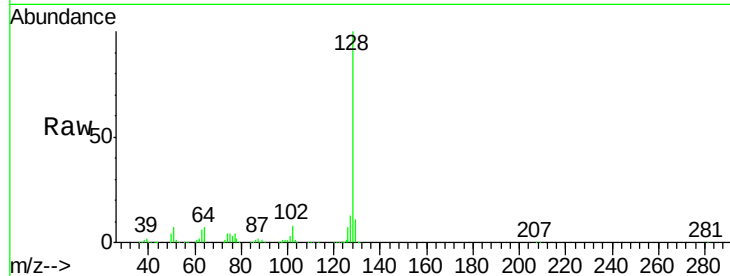
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	490659
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/9/2020 11:31:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 90.578 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY002247.D

Acq: 08 Apr 2020 12:52

Tgt Ion:	180	Resp:	181732
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.1	141.3
145	33.8	16.7	50.1

