

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001846.D
 Acq On : 04 Mar 2020 11:54
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:11 PM

Quant Time: Mar 04 17:38:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	182995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	192156	98.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.20%	
35) Dibromofluoromethane	7.75	113	180168	98.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.90%	
50) Toluene-d8	10.19	98	755275	98.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.00%	
62) 4-Bromofluorobenzene	12.49	95	259480	97.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	154885	93.141	ug/l	99
3) Chloromethane	2.13	50	207725	93.474	ug/l	99
4) Vinyl Chloride	2.26	62	215669	95.116	ug/l	99
5) Bromomethane	2.66	94	133862	90.104	ug/l	97
6) Chloroethane	2.81	64	137584	95.781	ug/l	97
7) Trichlorofluoromethane	3.15	101	290196	92.956	ug/l	96
8) Diethyl Ether	3.55	74	120405	99.208	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	191140	96.405	ug/l	99
10) Methyl Iodide	4.11	142	246028	106.920	ug/l	99
11) Tert butyl alcohol	5.00	59	100037	445.364	ug/l	100
12) 1,1-Dichloroethene	3.90	96	194031	96.963	ug/l	97
13) Acrolein	3.75	56	128519	472.284	ug/l	96
14) Allyl chloride	4.51	41	349327	97.593	ug/l	100
15) Acrylonitrile	5.20	53	328599	506.841	ug/l	100
16) Acetone	3.97	43	304625	547.384	ug/l	98
17) Carbon Disulfide	4.22	76	657947	98.189	ug/l	100
18) Methyl Acetate	4.50	43	142300	99.810	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	543391	100.237	ug/l	95
20) Methylene Chloride	4.75	84	220487	91.436	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	222463	98.297	ug/l	98
22) Diisopropyl ether	6.15	45	701643	97.134	ug/l	97
23) Vinyl Acetate	6.10	43	2389044	503.570	ug/l	97
24) 1,1-Dichloroethane	6.05	63	380894	97.489	ug/l	98
25) 2-Butanone	7.02	43	447122	521.604	ug/l	100
26) 2,2-Dichloropropane	7.01	77	315329	97.078	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	244486	99.475	ug/l	99
28) Bromochloromethane	7.36	49	175696	98.263	ug/l	96
29) Tetrahydrofuran	7.38	42	282042	499.797	ug/l	98
30) Chloroform	7.53	83	361156	97.510	ug/l	98
31) Cyclohexane	7.81	56	390442	92.703	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	306377	97.876	ug/l	99
36) 1,1-Dichloropropene	7.94	75	304038	96.624	ug/l	99
37) Ethyl Acetate	7.10	43	185438	98.953	ug/l	99
38) Carbon Tetrachloride	7.92	117	264173	98.104	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	413429	98.299	ug/l	99
40) Benzene	8.19	78	907933	97.055	ug/l	100
41) Methacrylonitrile	7.35	41	84203m	37.972	ug/l	
42) 1,2-Dichloroethane	8.26	62	234010	96.923	ug/l	100
43) Isopropyl Acetate	8.30	43	349999	100.414	ug/l	100
44) Trichloroethene	8.96	130	219605	96.182	ug/l	99
45) 1,2-Dichloropropane	9.24	63	229169	97.081	ug/l	99
46) Dibromomethane	9.32	93	119652	97.830	ug/l	99
47) Bromodichloromethane	9.52	83	280698	99.287	ug/l	97
48) Methyl methacrylate	9.31	41	157987	100.018	ug/l	96
49) 1,4-Dioxane	9.32	88	31735	1967.823	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	905559	504.163	ug/l	99
52) Toluene	10.26	92	558685	98.504	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	314567	101.881	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	367953	99.989	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	175120	98.129	ug/l	98
56) Ethyl methacrylate	10.52	69	272474	104.779	ug/l	100
57) 1,3-Dichloropropane	10.80	76	310369	98.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	454538	430.863	ug/l	100
59) 2-Hexanone	10.85	43	664200	520.083	ug/l	98
60) Dibromochloromethane	11.00	129	192643	102.713	ug/l	99
61) 1,2-Dibromoethane	11.10	107	168961	101.304	ug/l	99
64) Tetrachloroethene	10.73	164	174787	95.312	ug/l	97
65) Chlorobenzene	11.53	112	564296	97.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	186873	98.737	ug/l	99
67) Ethyl Benzene	11.60	91	1050786	96.890	ug/l	99
68) m/p-Xylenes	11.71	106	776142	193.378	ug/l	100
69) o-Xylene	12.04	106	367088	97.241	ug/l	99
70) Styrene	12.05	104	646403	98.994	ug/l	100
71) Bromoform	12.22	173	109773	106.026	ug/l #	99
73) Isopropylbenzene	12.34	105	989505	99.114	ug/l	99
74) N-amyl acetate	12.16	43	314604	102.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	222044	103.173	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	147500m	58.400	ug/l	
77) Bromobenzene	12.62	156	207511	97.887	ug/l	100
78) n-propylbenzene	12.68	91	1213946	98.583	ug/l	100
79) 2-Chlorotoluene	12.77	91	670893	98.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	807443	98.763	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	84201	108.978	ug/l	99
82) 4-Chlorotoluene	12.86	91	695570	98.608	ug/l	100
83) tert-Butylbenzene	13.08	119	663788	97.180	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	797751	97.601	ug/l	99
85) sec-Butylbenzene	13.27	105	995884	98.735	ug/l	100
86) p-Isopropyltoluene	13.38	119	849782	98.100	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	394080	94.620	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	402431	96.123	ug/l	100
89) n-Butylbenzene	13.70	91	872960	97.695	ug/l	99
90) Hexachloroethane	13.97	117	163910	100.995	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	369323	98.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	35362	105.614	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	233385	95.209	ug/l	97
94) Hexachlorobutadiene	15.12	225	113037	94.803	ug/l	99
95) Naphthalene	15.25	128	589068	102.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	211728	97.775	ug/l	99

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

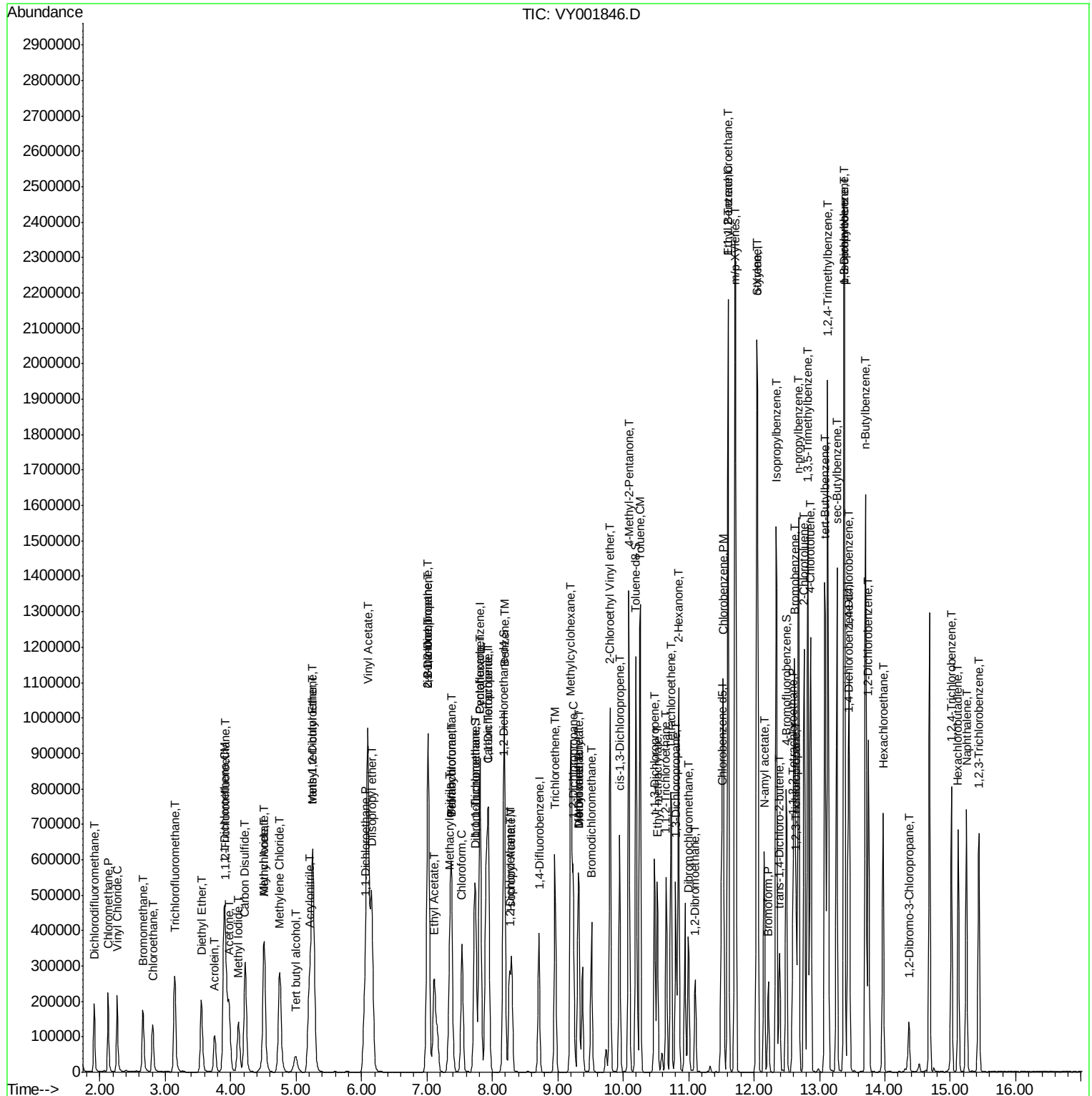
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
Data File : VY001846.D
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Misc : 5.00G/5ML/MSVOA Y/SOIL
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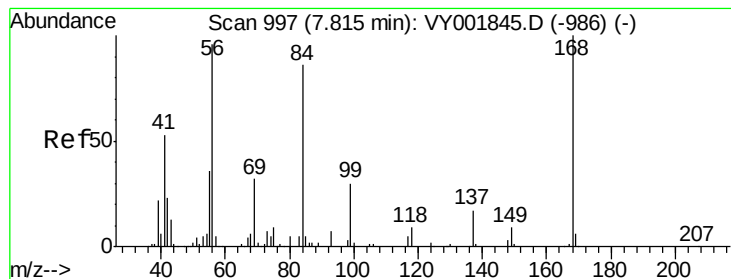
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 182995

Ion Ratio Lower Upper

168 100

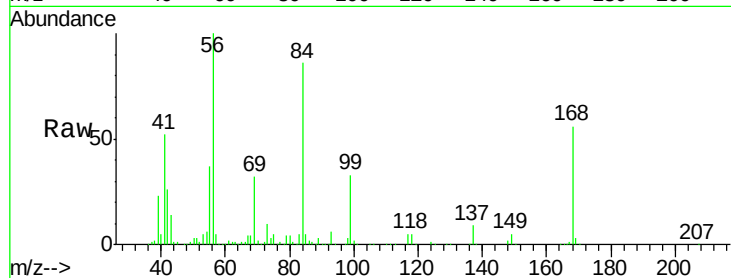
99 59.7 46.7 70.1

Manual Integrations

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

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

7.82

80000

60000

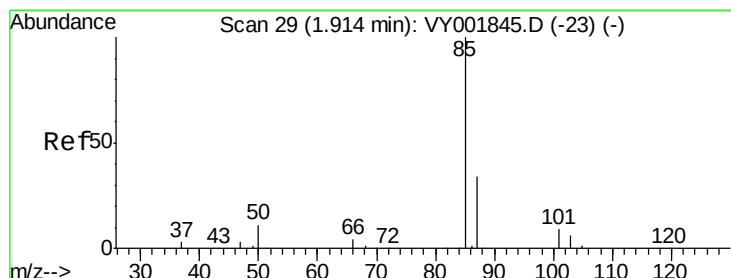
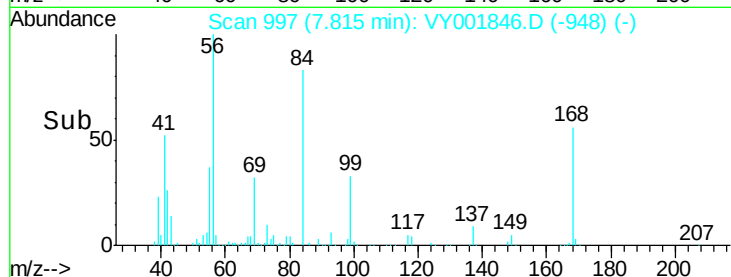
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 93.141 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001846.D

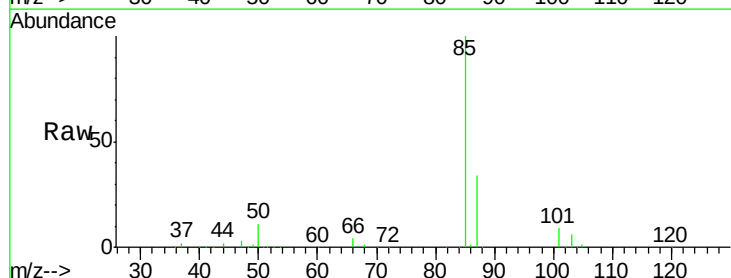
Acq: 04 Mar 2020 11:54

Tgt Ion: 85 Resp: 154885

Ion Ratio Lower Upper

85 100

87 33.9 16.8 50.4



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

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

1.91

120000

100000

80000

60000

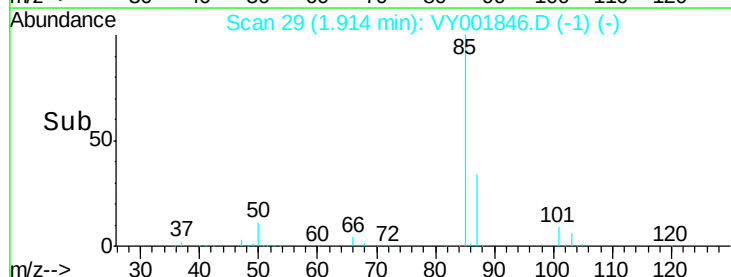
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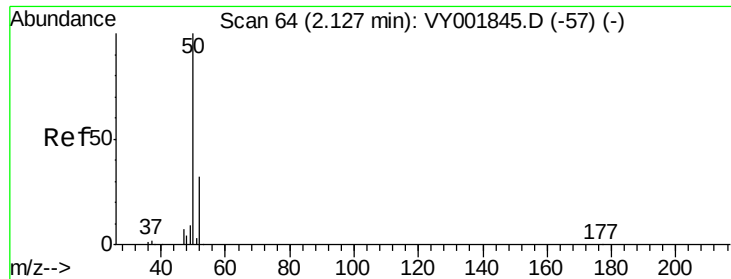
20000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 93.474 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 207725

Ion Ratio Lower Upper

50 100

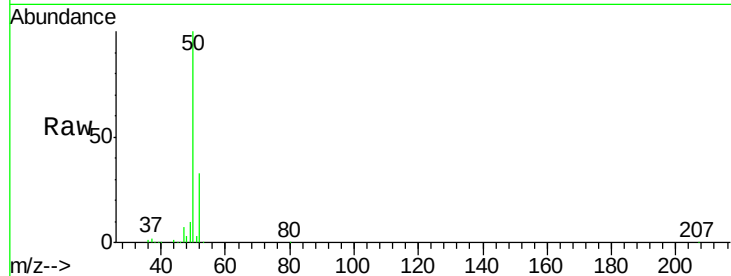
52 32.9 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

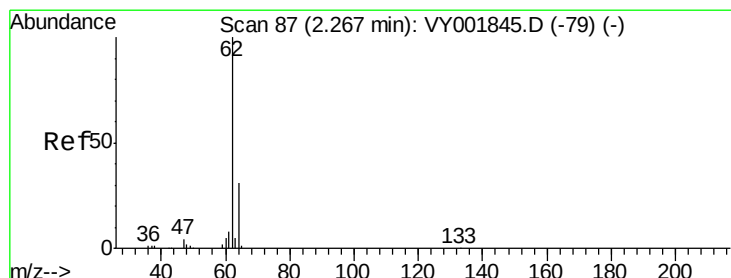
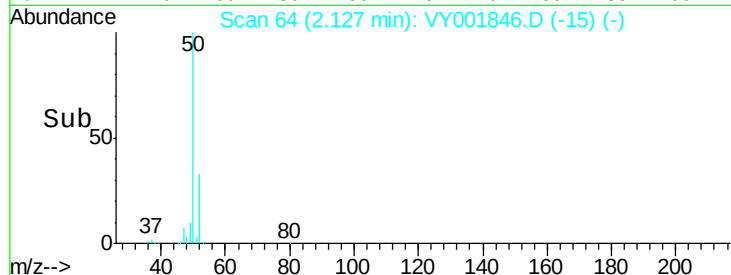
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 95.116 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001846.D

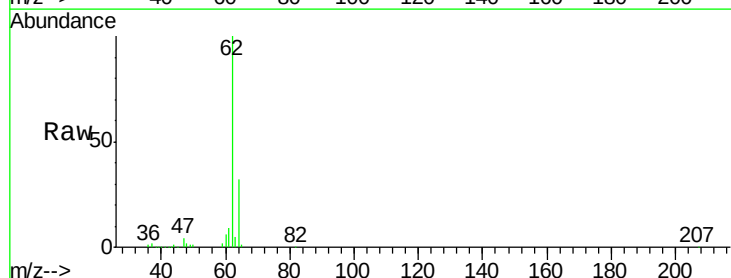
Acq: 04 Mar 2020 11:54

Tgt Ion: 62 Resp: 215669

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

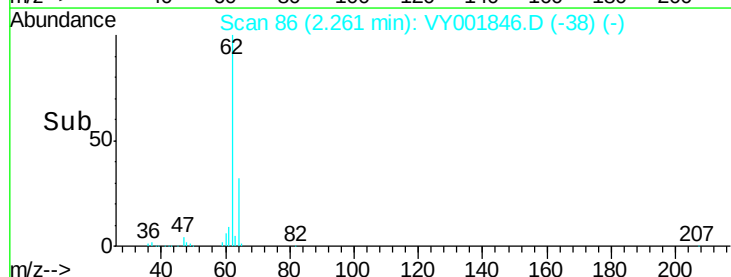
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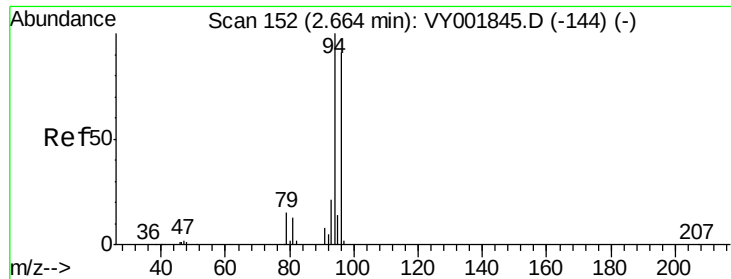
100000

50000

0

Time-->





#5

Bromomethane

Concen: 90.104 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 133862

Ion Ratio Lower Upper

94 100

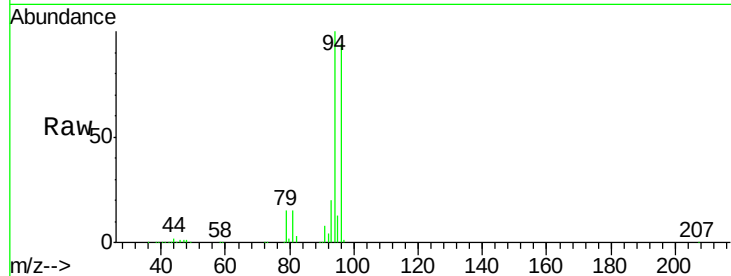
96 94.4 73.2 109.8

Manual Integrations

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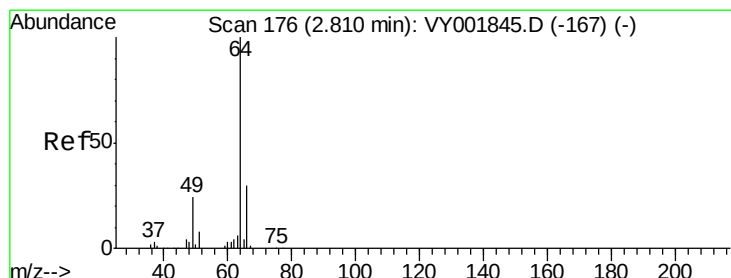
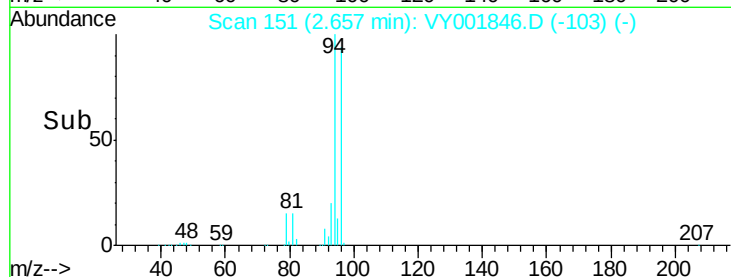
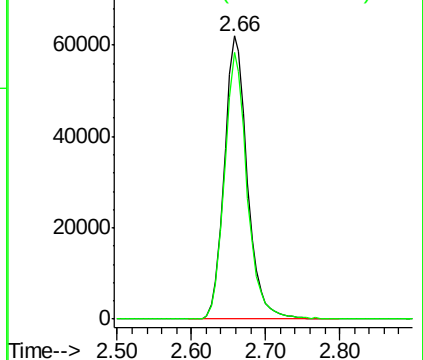
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 95.781 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001846.D

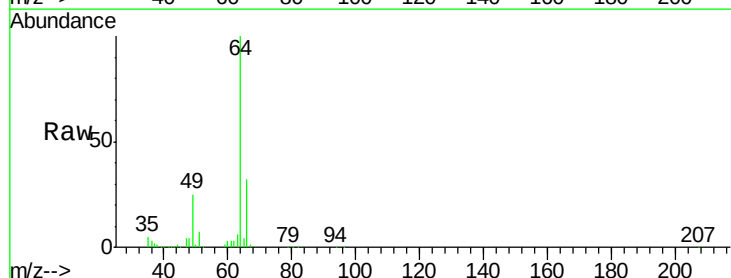
Acq: 04 Mar 2020 11:54

Tgt Ion: 64 Resp: 137584

Ion Ratio Lower Upper

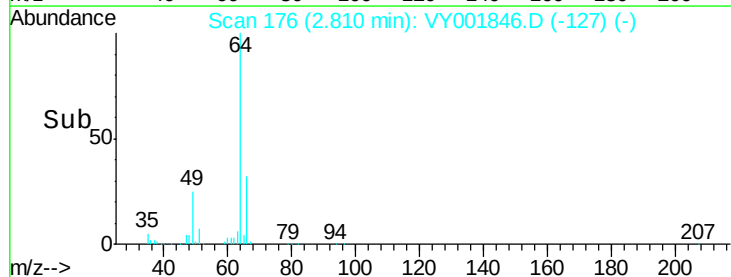
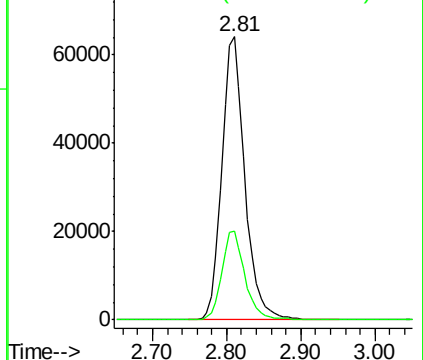
64 100

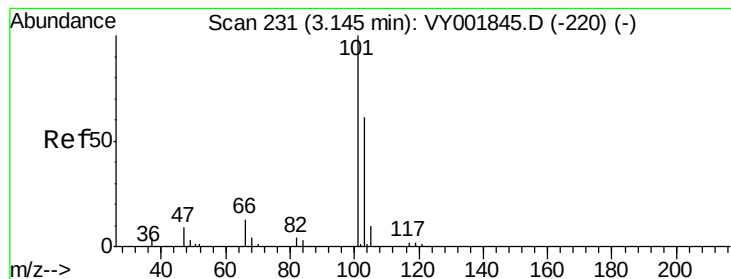
66 31.6 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

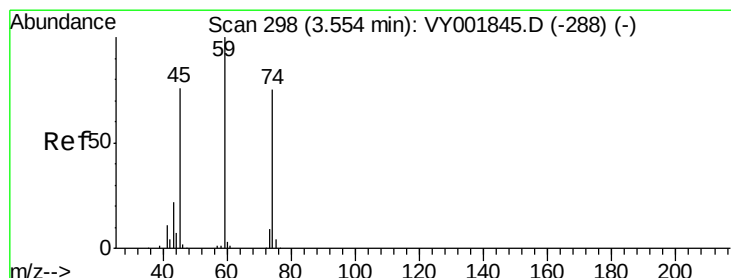
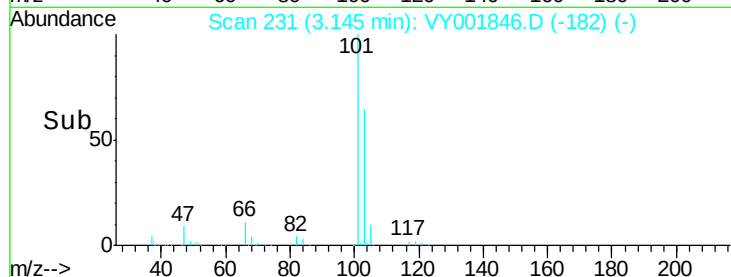
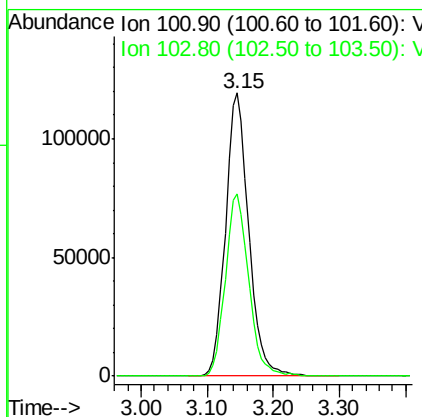
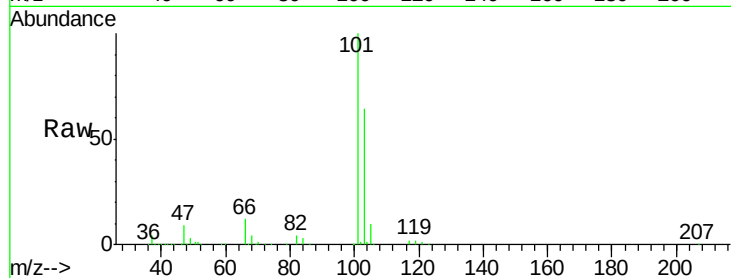
Trichlorofluoromethane
Concen: 92.956 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001846.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.1	73.7

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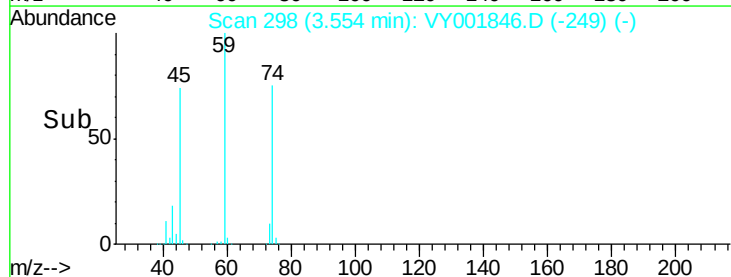
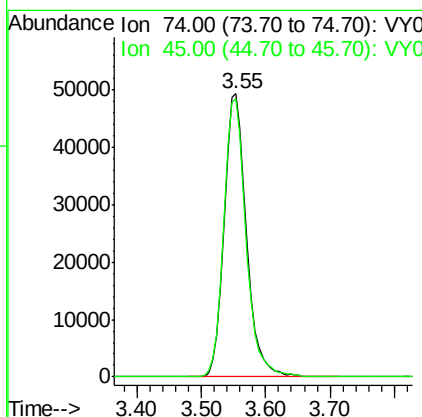
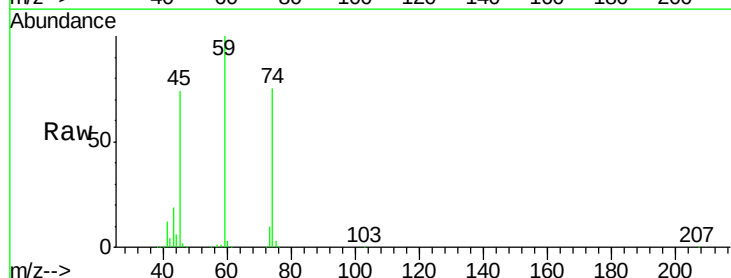
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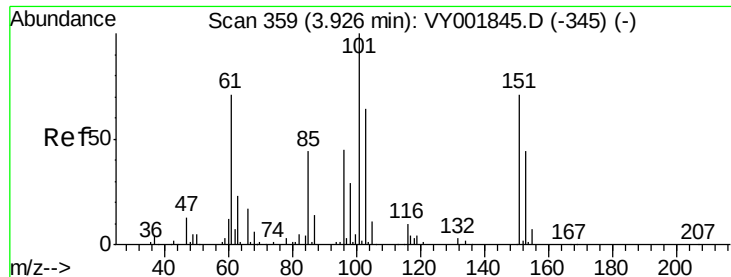


#8

Diethyl Ether
Concen: 99.208 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY001846.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.405 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

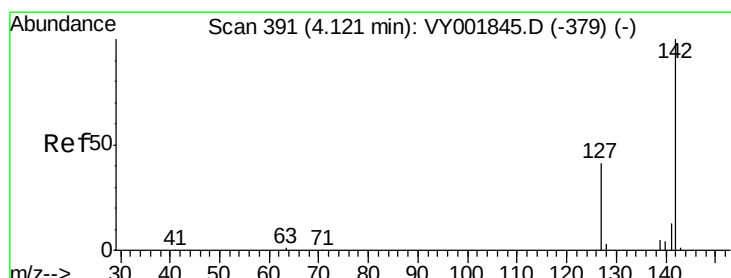
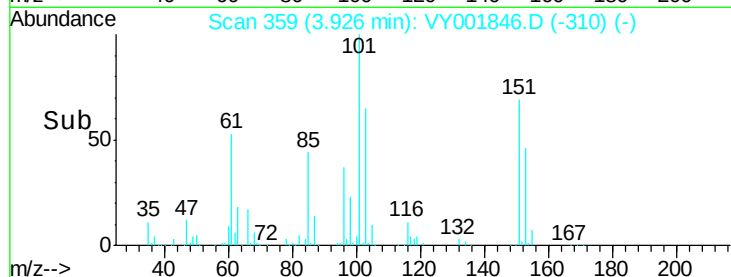
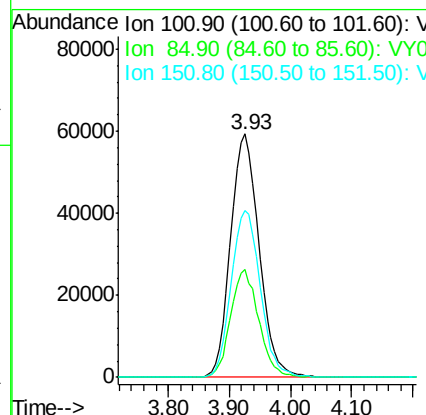
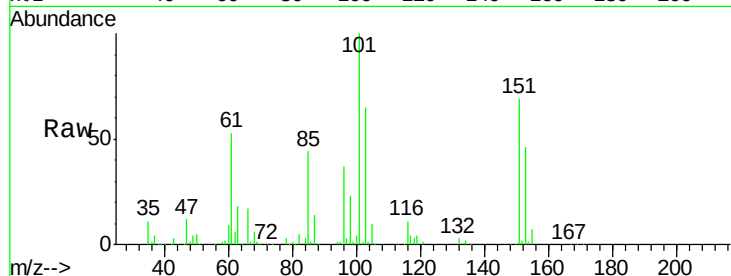
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	191140
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.3	52.9
151	70.0	57.0	85.4

Manual Integrations
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MMDadoda
3/5/2020 1:37:11 PM



#10

Methyl Iodide

Concen: 106.920 ug/l

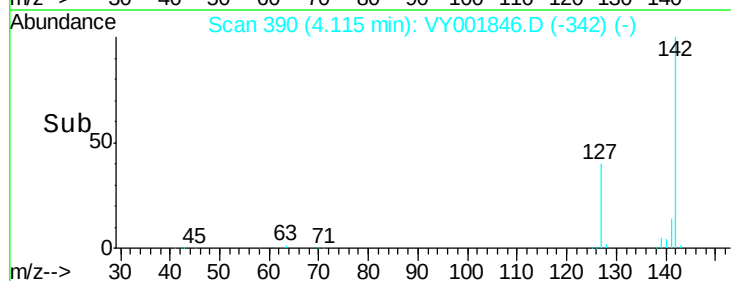
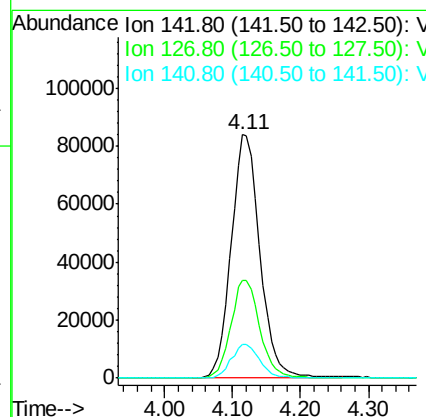
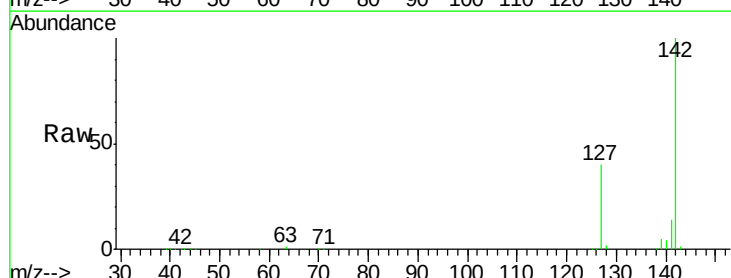
RT: 4.11 min Scan# 390

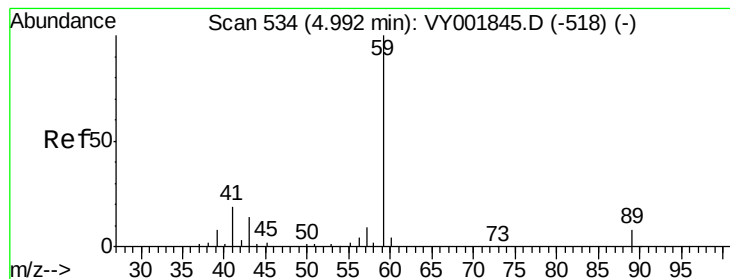
Delta R.T. -0.01 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Tgt Ion:	142	Resp:	246028
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.7	49.1
141	13.9	11.0	16.6





#11

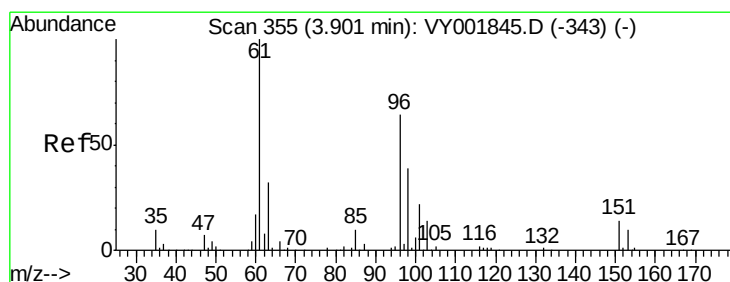
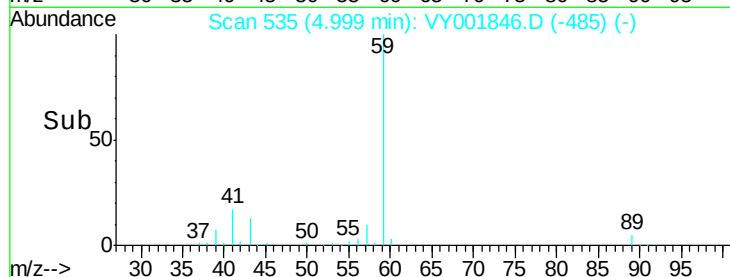
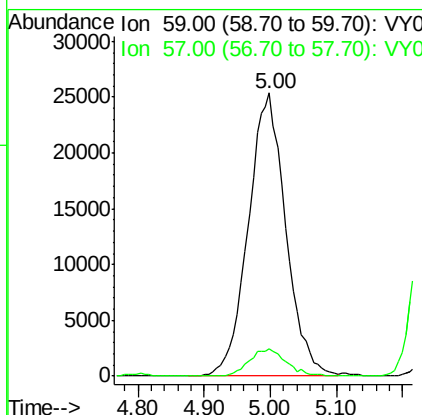
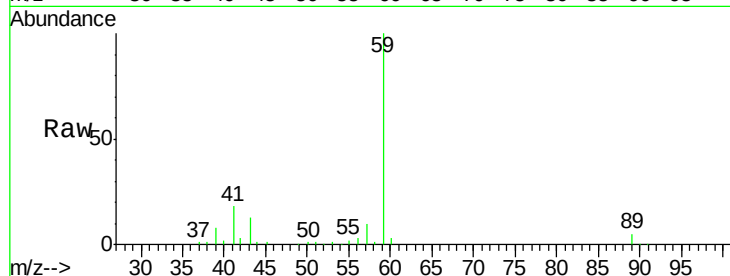
Tert butyl alcohol
Concen: 445.364 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	100037		
57	9.4		7.4	11.2

Manual Integrations
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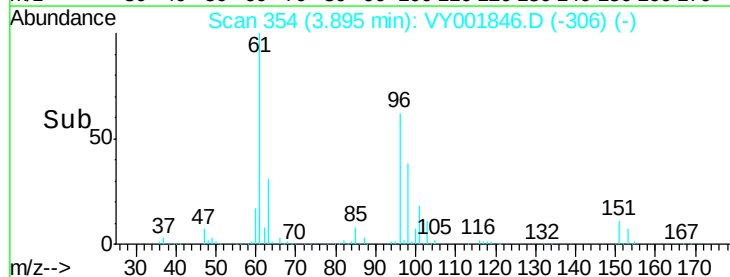
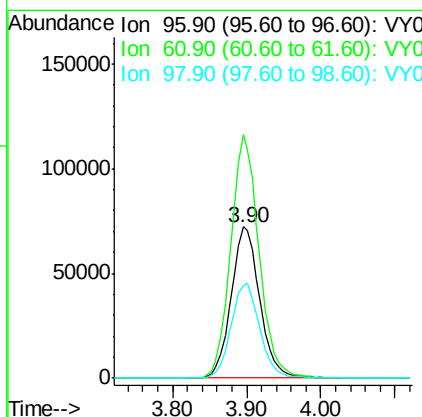
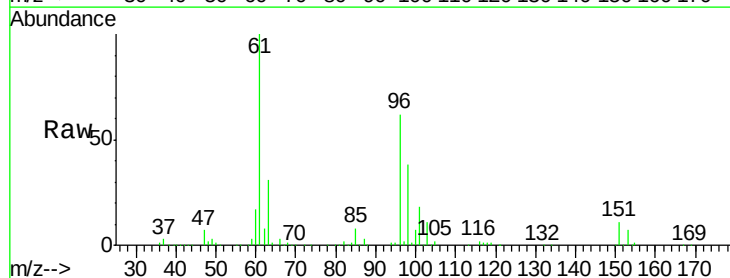
MMDadoda
3/5/2020 1:37:11 PM

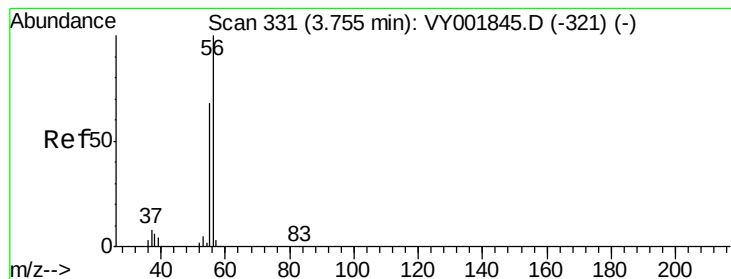


#12

1,1-Dichloroethene
Concen: 96.963 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	194031		
61	161.3		124.8	187.2
98	61.8		49.2	73.8





#13

Acrolein

Concen: 472.284 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 128519

Ion Ratio Lower Upper

56 100

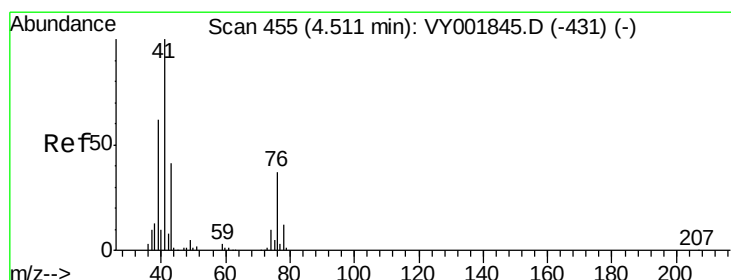
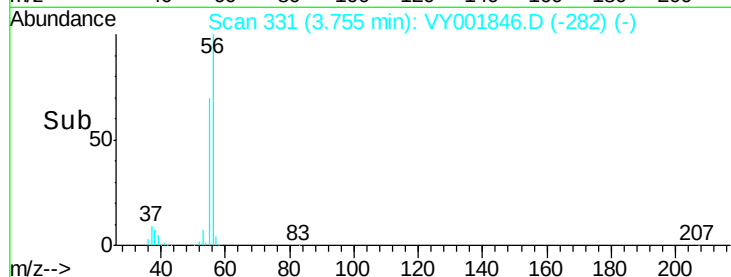
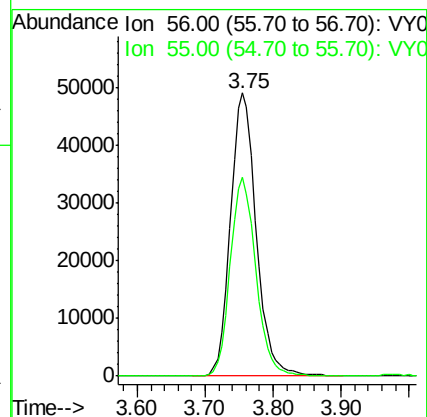
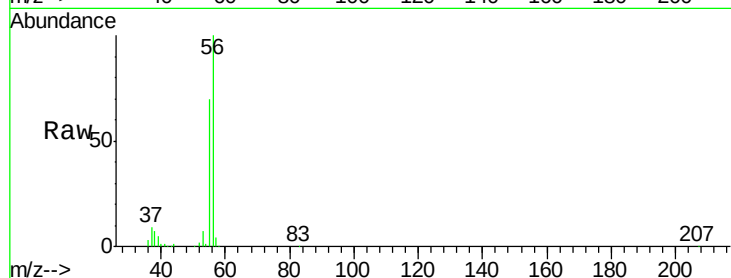
55 70.4 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:11 PM



#14

Allyl chloride

Concen: 97.593 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

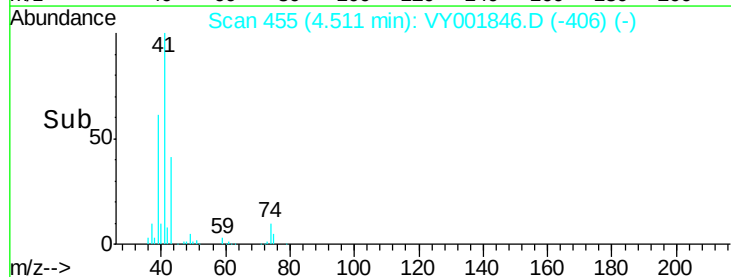
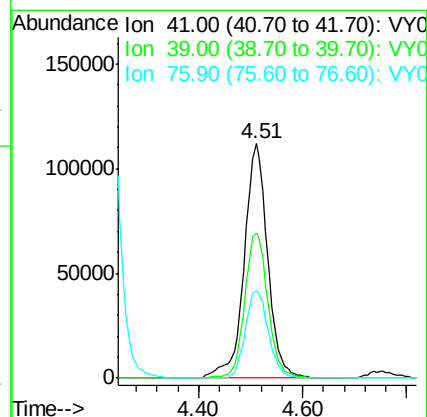
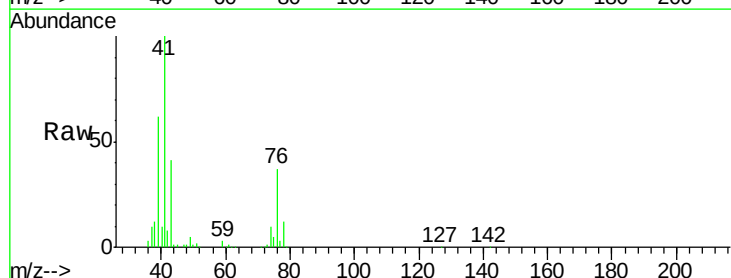
Tgt Ion: 41 Resp: 349327

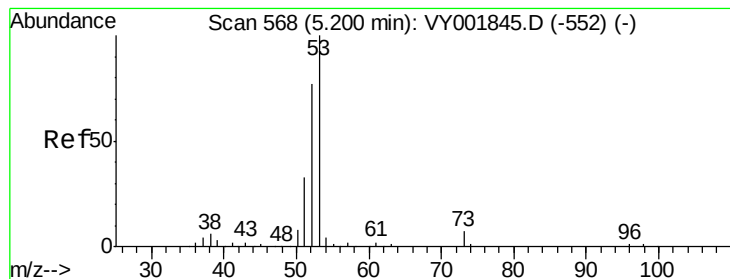
Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

76 36.6 28.9 43.3





#15

Acrylonitrile

Concen: 506.841 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

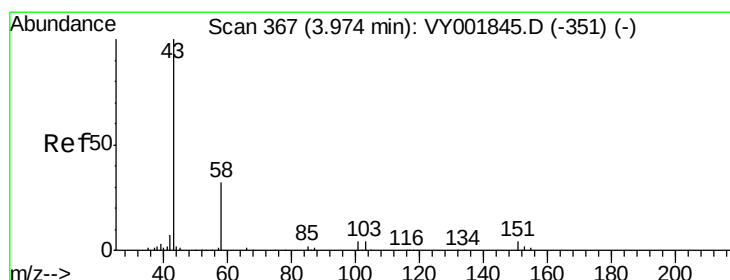
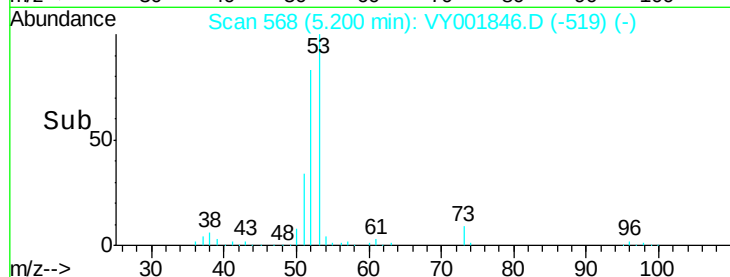
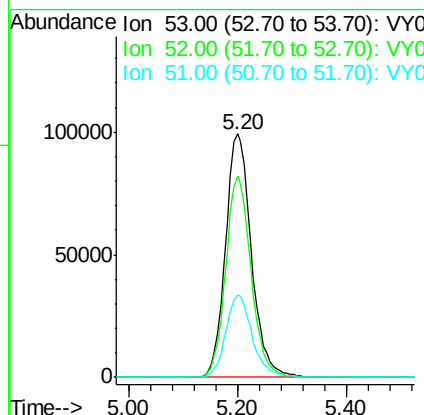
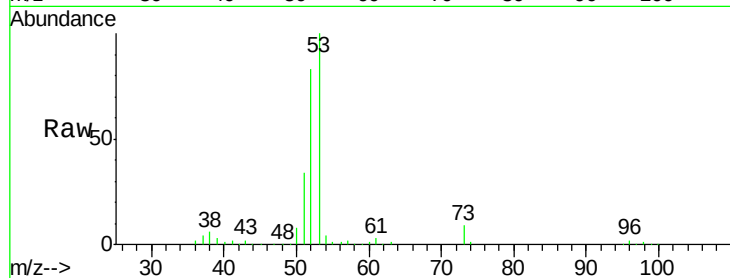
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	328599
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	34.5	27.5	41.3

Manual Integrations
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MMDadoda
3/5/2020 1:37:11 PM



#16

Acetone

Concen: 547.384 ug/l

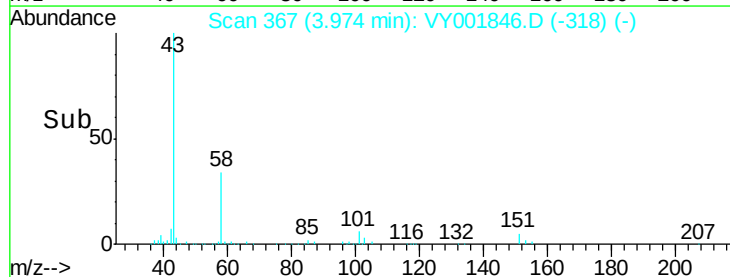
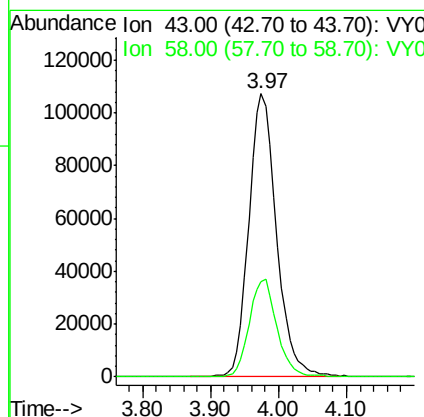
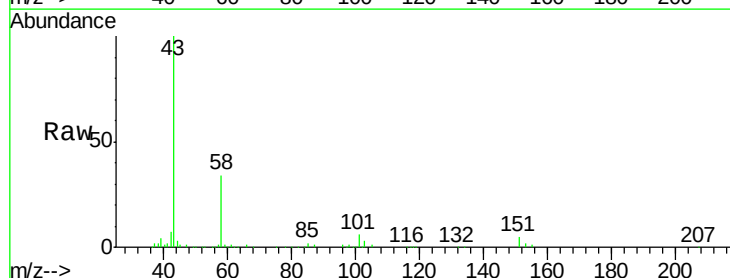
RT: 3.97 min Scan# 367

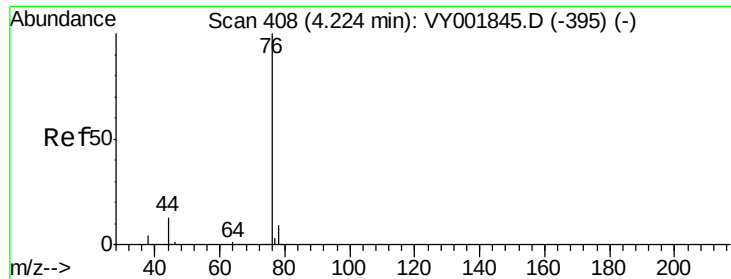
Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Tgt Ion:	43	Resp:	304625
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.9	38.9





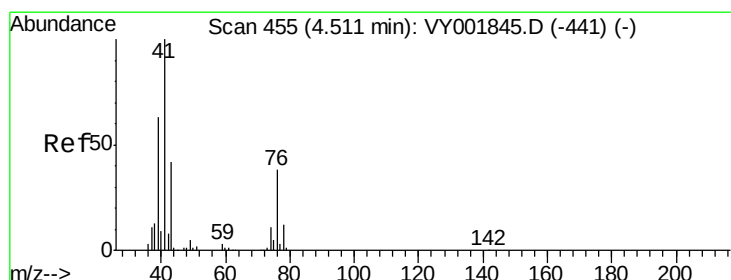
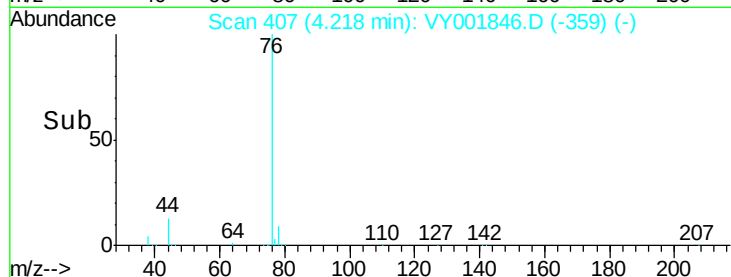
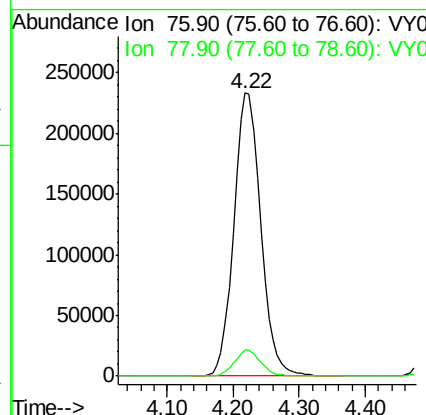
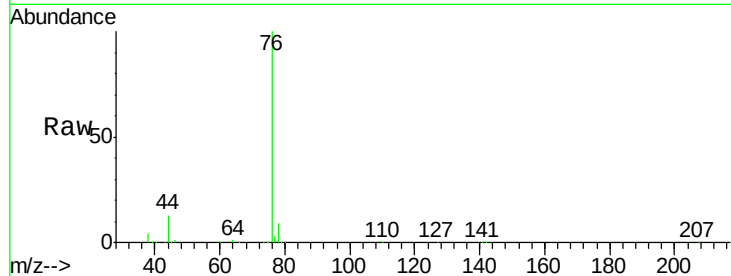
#17
Carbon Disulfide
Concen: 98.189 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

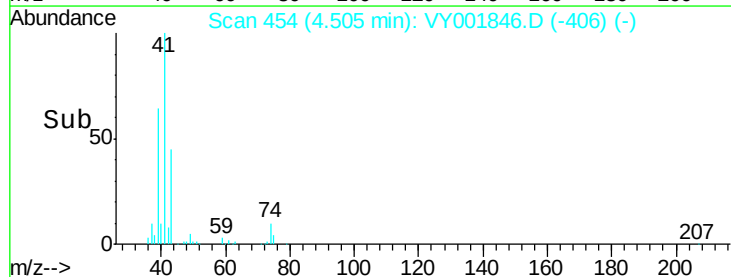
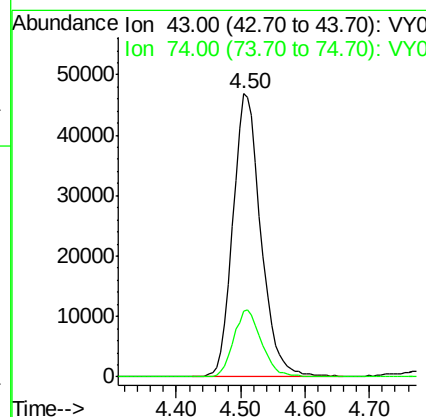
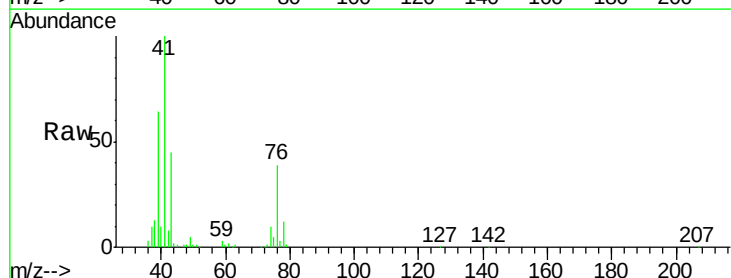
Manual Integrations
APPROVED

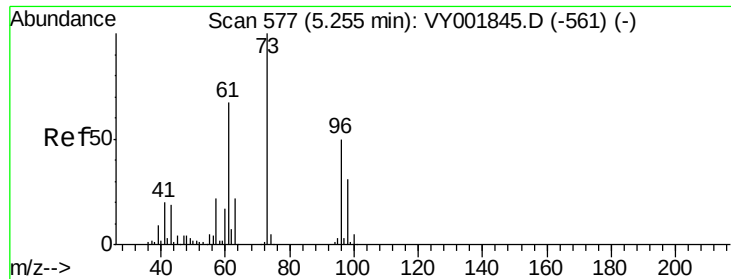
MMDadoda
3/5/2020 1:37:11 PM



#18
Methyl Acetate
Concen: 99.810 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6





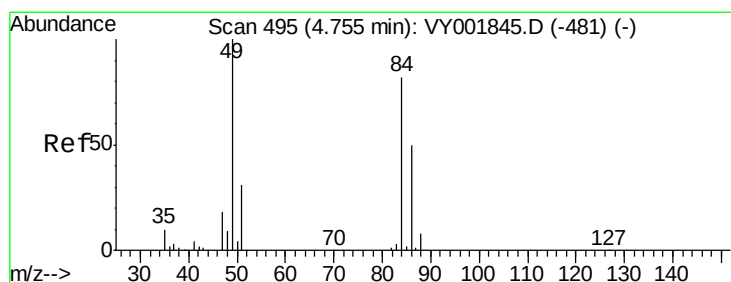
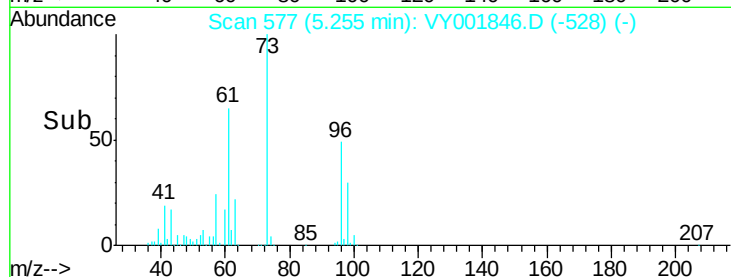
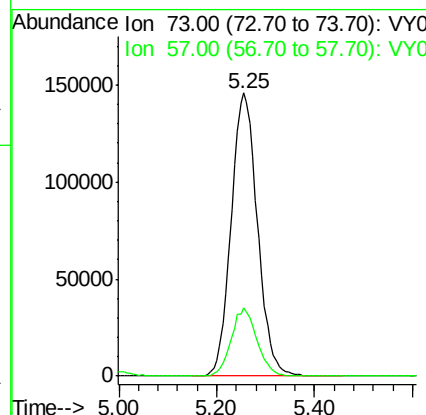
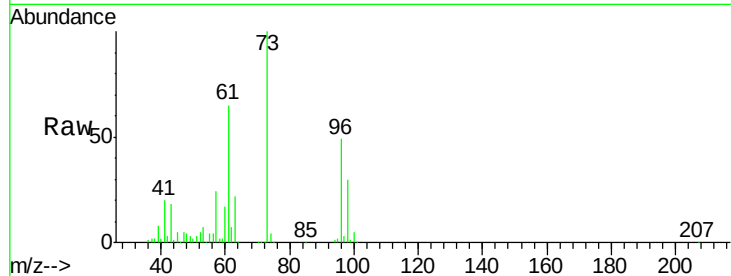
#19
Methyl tert-butyl Ether
Concen: 100.237 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 543391
Ion Ratio Lower Upper
73 100
57 24.2 17.4 26.2

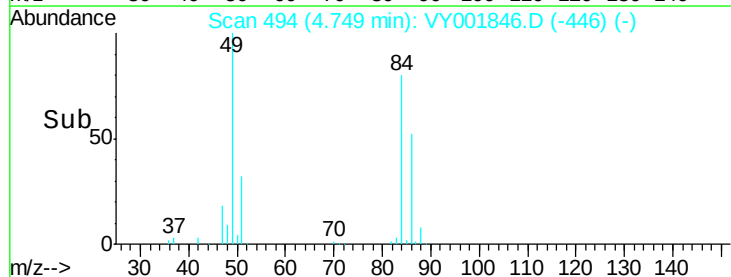
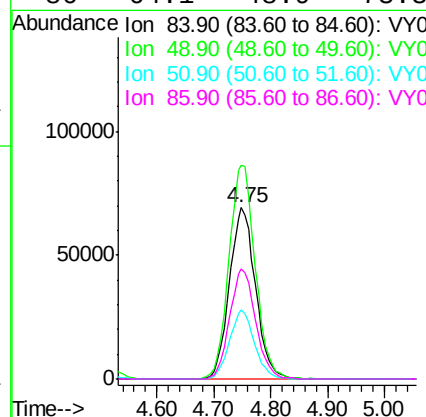
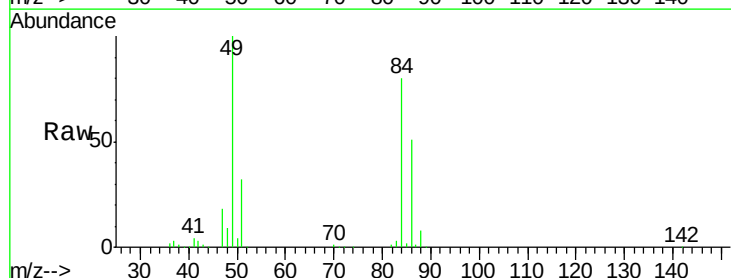
Manual Integrations
APPROVED

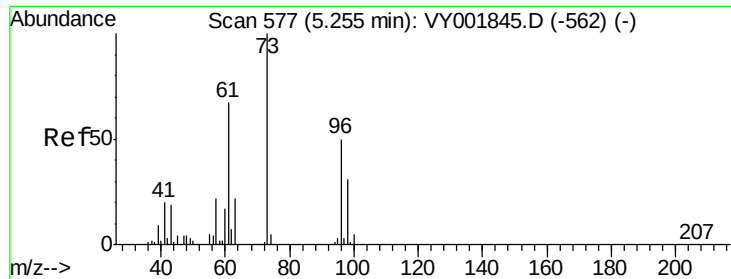
MMDadoda
3/5/2020 1:37:11 PM



#20
Methylene Chloride
Concen: 91.436 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion: 84 Resp: 220487
Ion Ratio Lower Upper
84 100
49 124.6 98.2 147.2
51 40.4 30.2 45.2
86 64.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 98.297 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

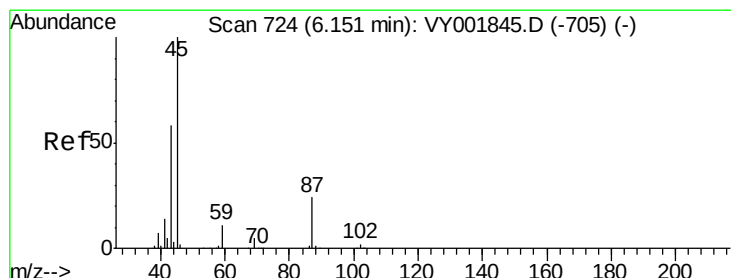
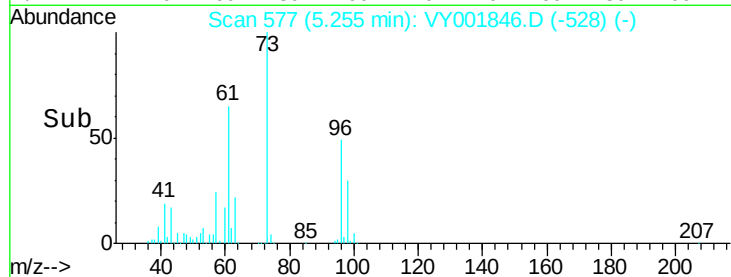
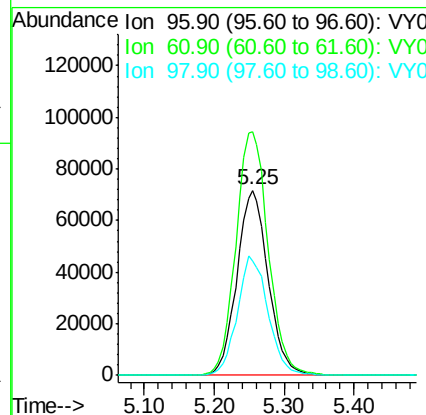
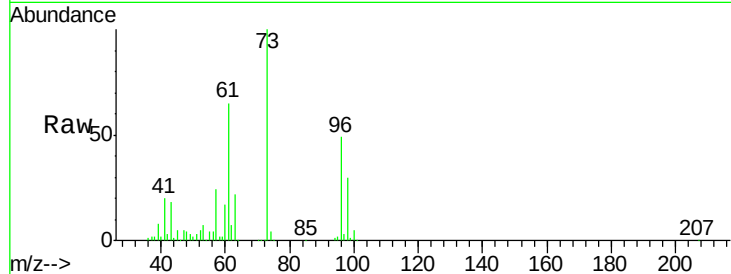
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	222463
Ion	Ratio	Lower	Upper
96	100		
61	131.7	107.7	161.5
98	61.7	49.3	73.9

Manual Integrations
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MMDadoda
3/5/2020 1:37:11 PM



#22

Diisopropyl ether

Concen: 97.134 ug/l

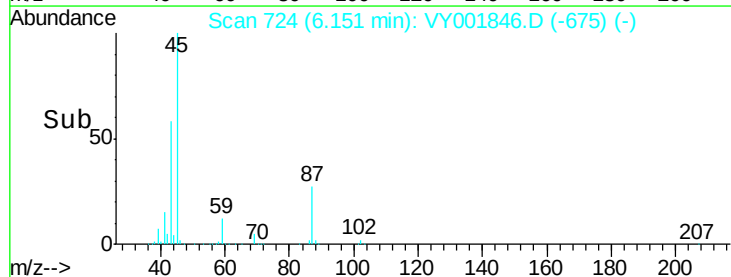
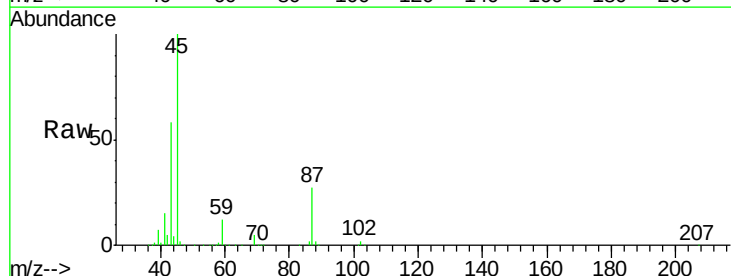
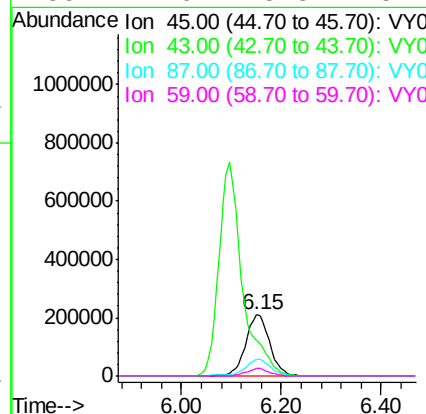
RT: 6.15 min Scan# 724

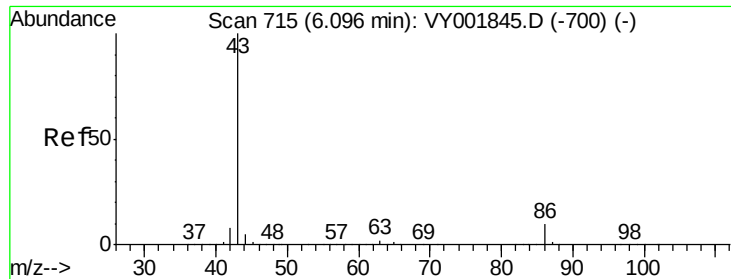
Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Tgt Ion:	45	Resp:	701643
Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.2	70.8
87	27.4	19.8	29.8
59	11.6	8.8	13.2





#23

Vinyl Acetate

Concen: 503.570 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2389044

Ion Ratio Lower Upper

43 100

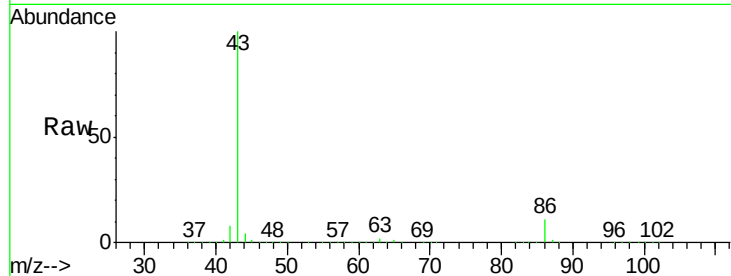
86 10.8 7.8 11.8

Manual Integrations

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MMDadoda

3/5/2020 1:37:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

800000

600000

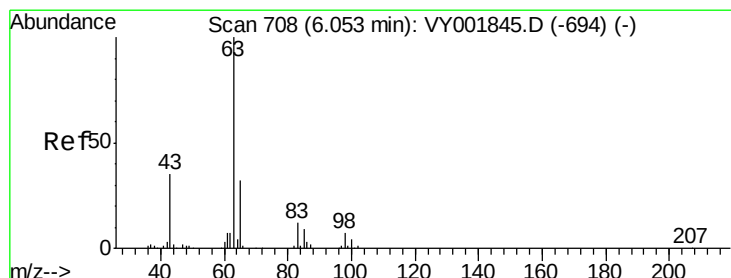
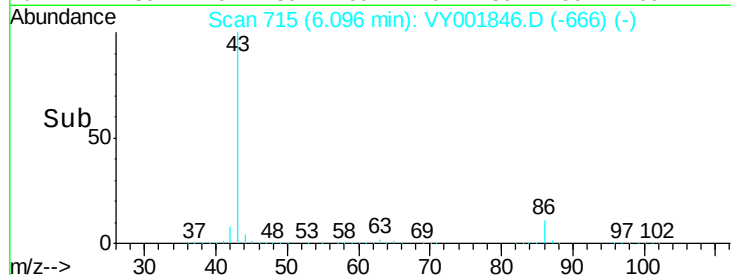
400000

200000

0

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 97.489 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

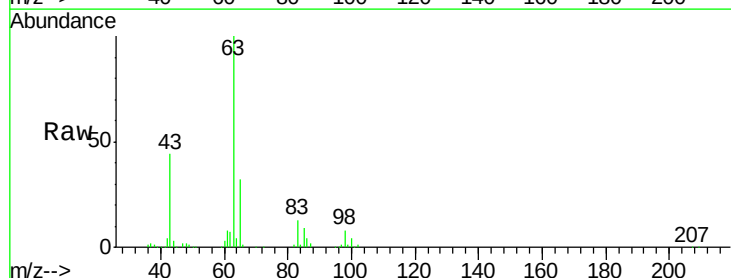
Tgt Ion: 63 Resp: 380894

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

150000

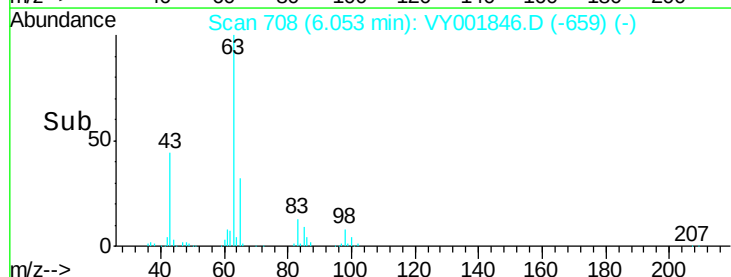
100000

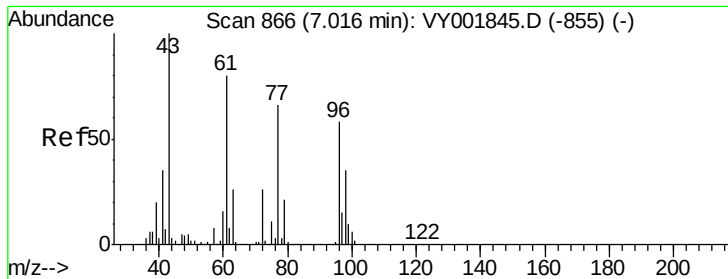
50000

0

5.90 6.00 6.10 6.20

Time-->





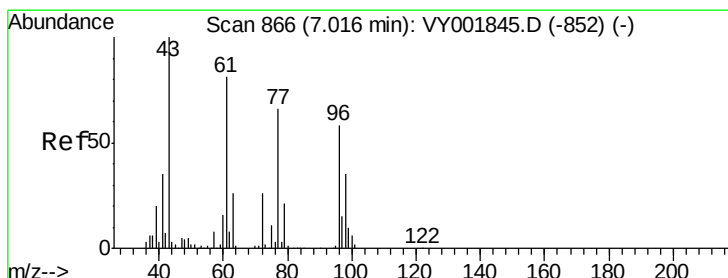
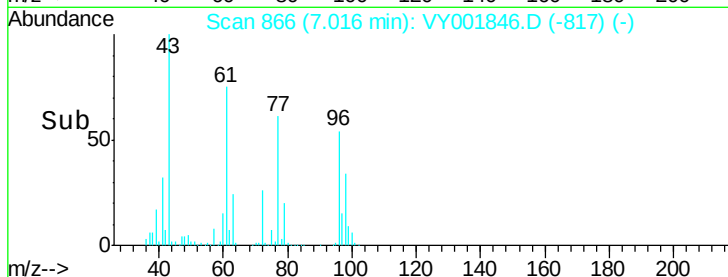
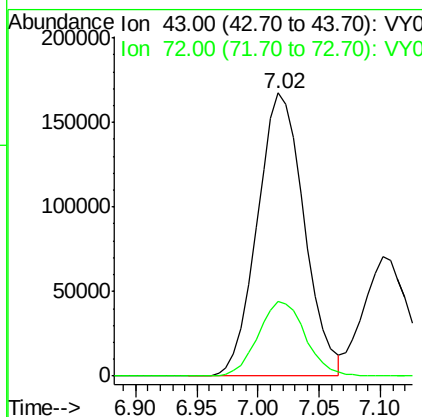
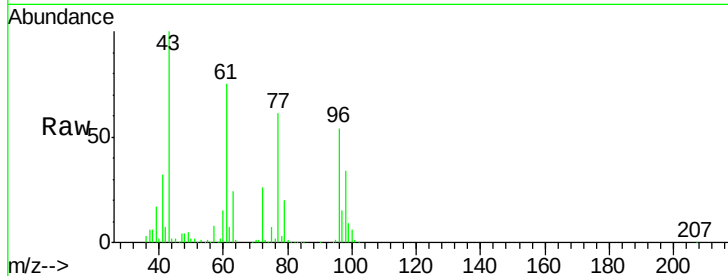
#25
2-Butanone
Concen: 521.604 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 447122
Ion Ratio Lower Upper
43 100
72 26.2 20.9 31.3

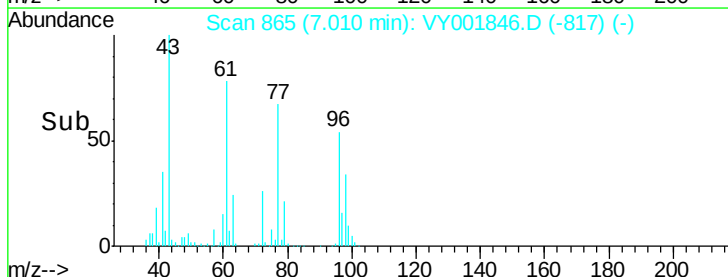
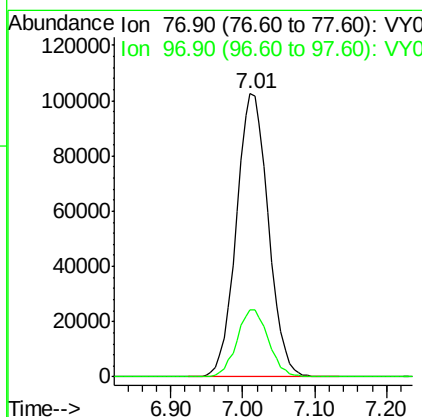
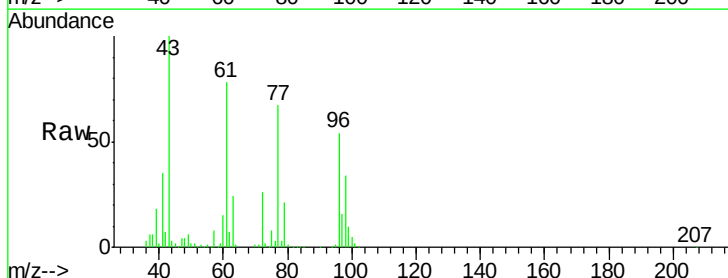
Manual Integrations
APPROVED

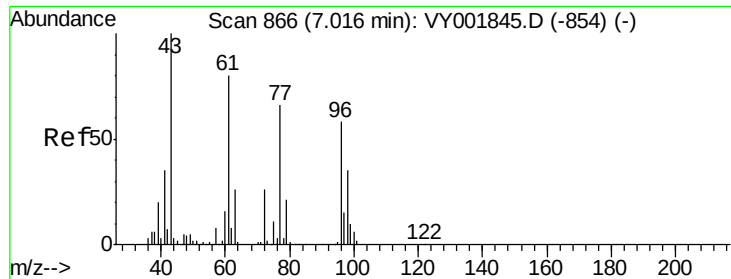
MMDadoda
3/5/2020 1:37:11 PM



#26
2,2-Dichloropropane
Concen: 97.078 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion: 77 Resp: 315329
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.7





#27

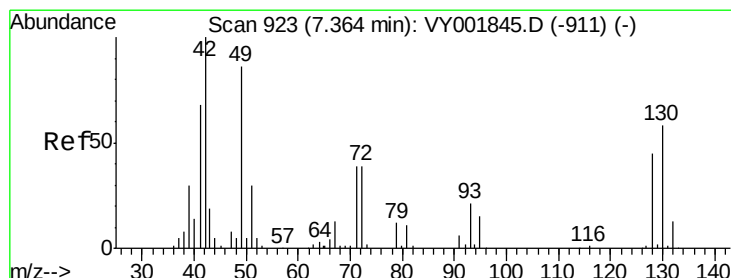
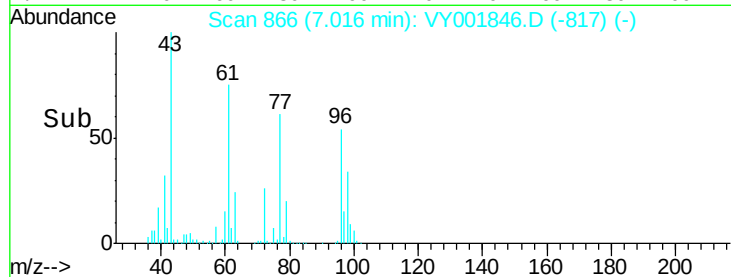
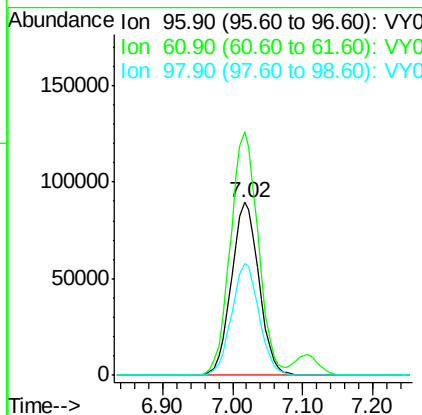
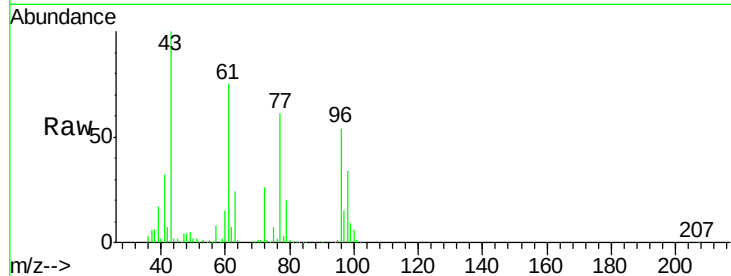
cis-1,2-Dichloroethene
 Concen: 99.475 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	288.2
98	64.3	0.0	129.0

Manual Integrations
 APPROVED

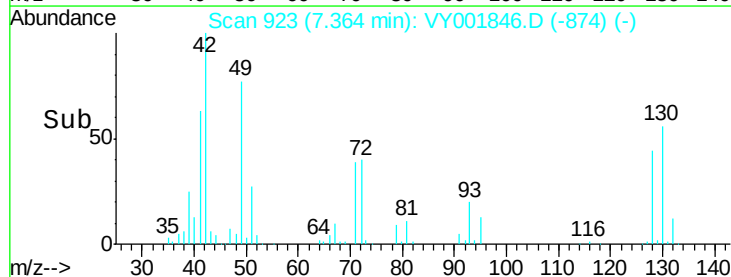
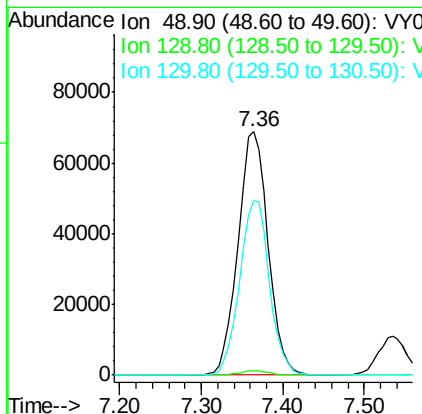
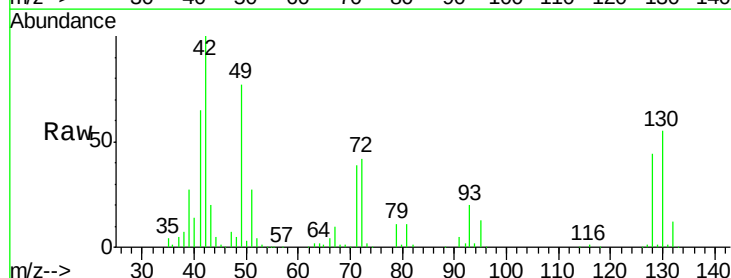
MMDadoda
 3/5/2020 1:37:11 PM

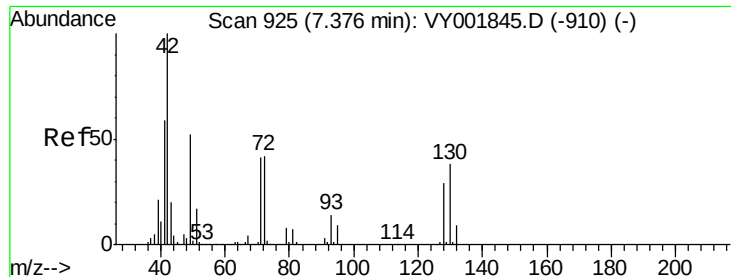


#28

Bromochloromethane
 Concen: 98.263 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	71.3	54.4	81.6





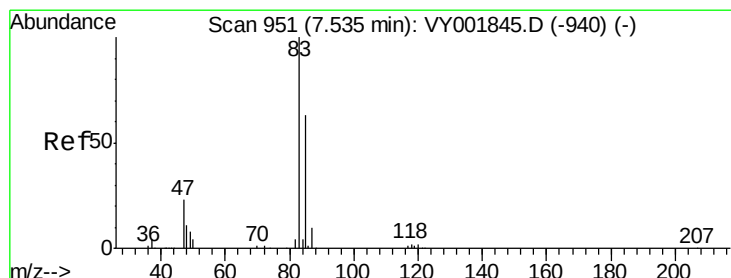
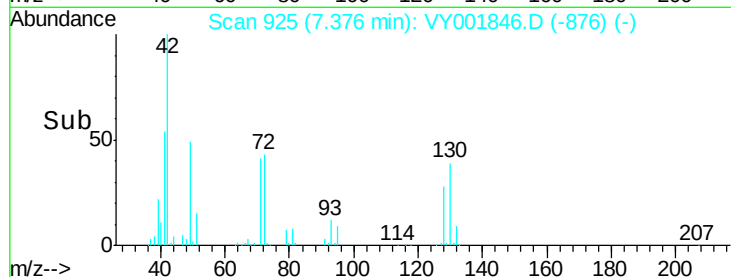
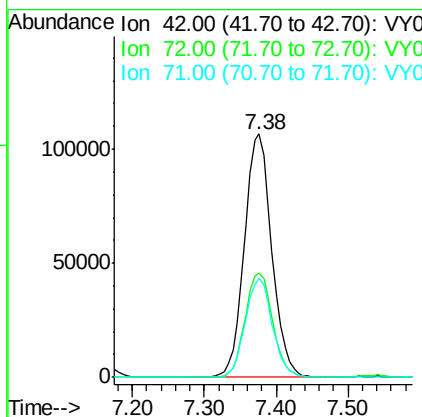
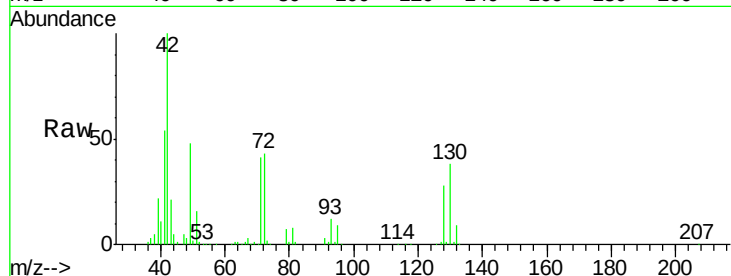
#29
Tetrahydrofuran
Concen: 499.797 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.5	50.3
71	40.2	31.3	46.9

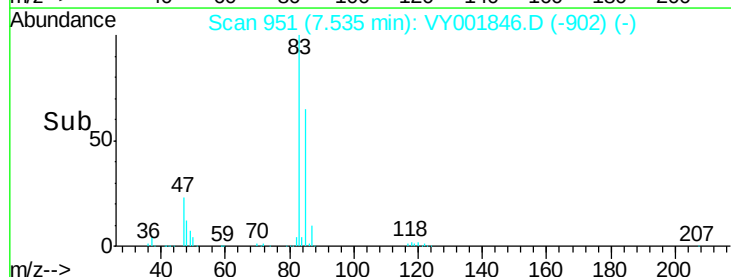
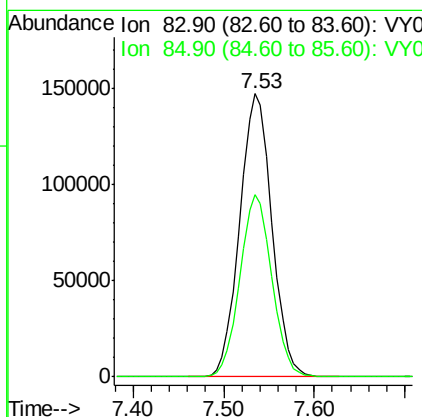
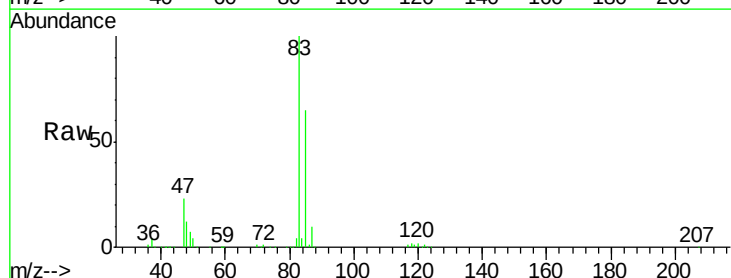
Manual Integrations
APPROVED

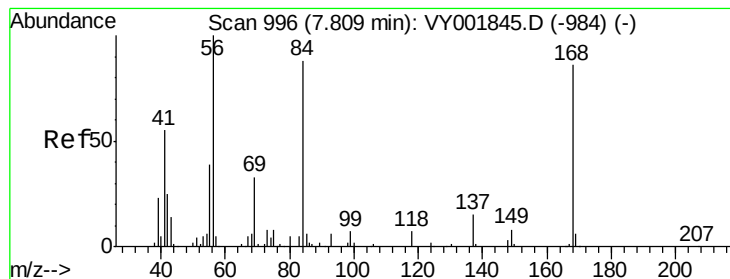
MMDadoda
3/5/2020 1:37:11 PM



#30
Chloroform
Concen: 97.510 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1





#31

Cyclohexane

Concen: 92.703 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 390442

Ion Ratio Lower Upper

56 100

69 31.7 26.7 40.1

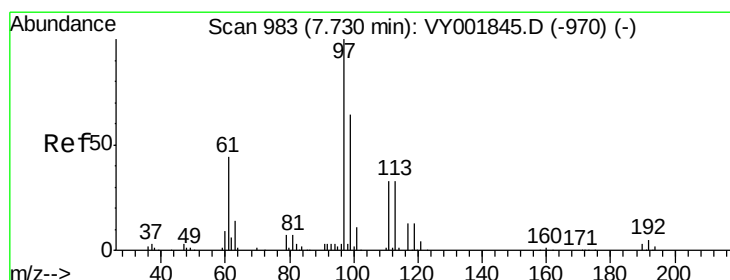
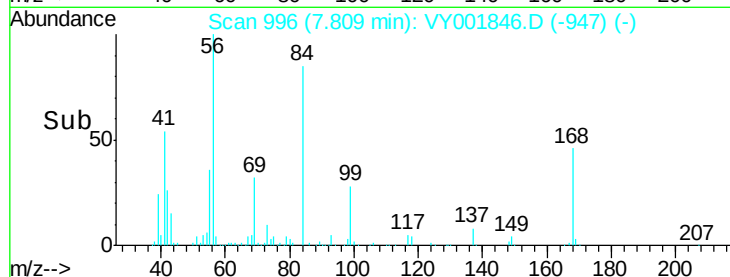
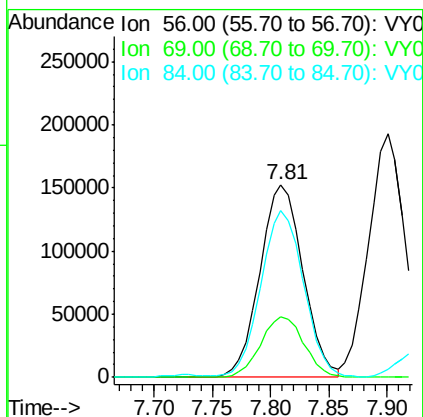
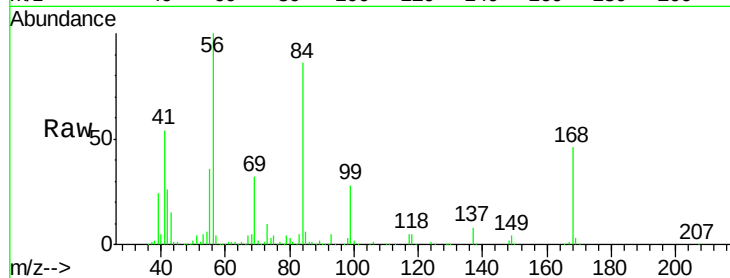
84 85.2 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:11 PM



#32

1,1,1-Trichloroethane

Concen: 97.876 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

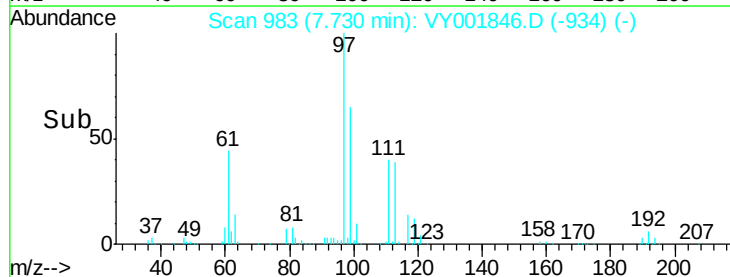
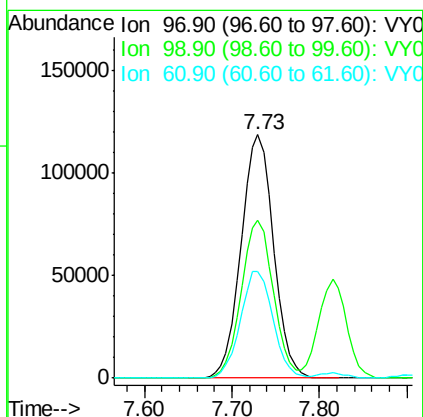
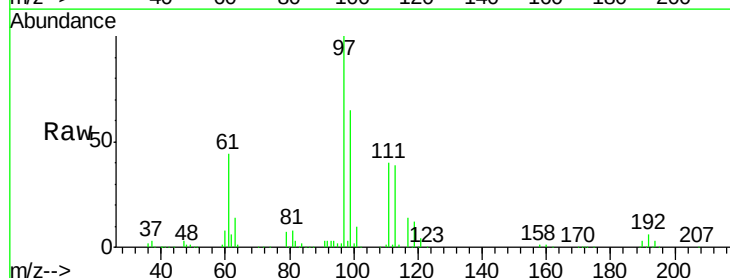
Tgt Ion: 97 Resp: 306377

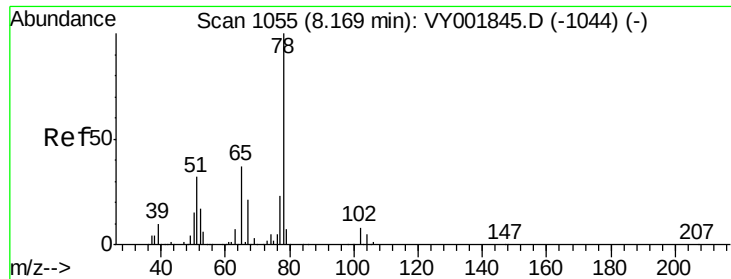
Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 44.0 35.0 52.4





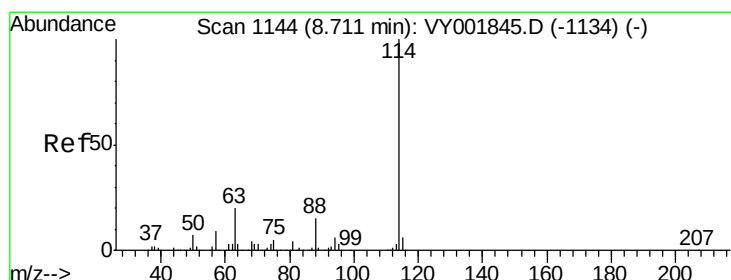
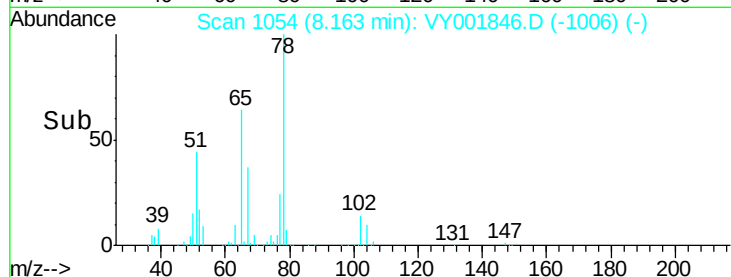
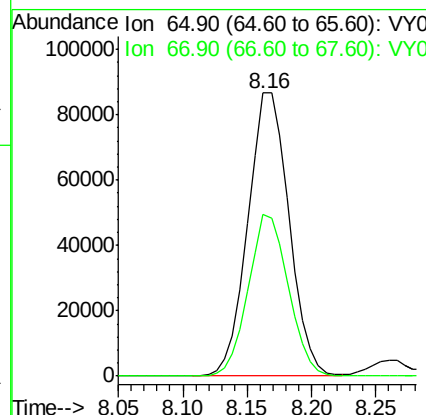
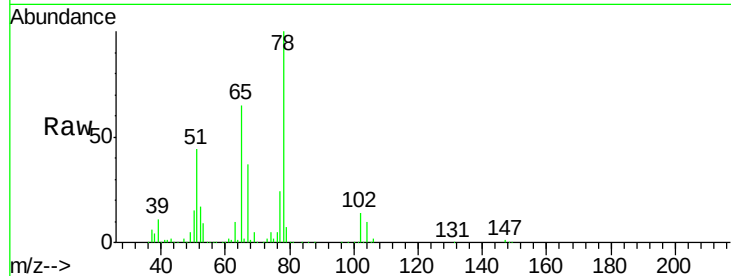
#33
 1,2-Dichloroethane-d4
 Concen: 98.604 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192156		
67	55.6	0.0	110.8	

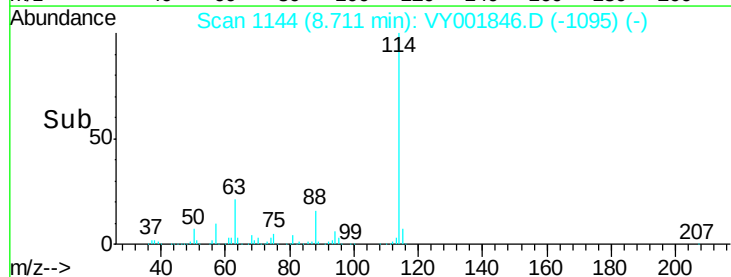
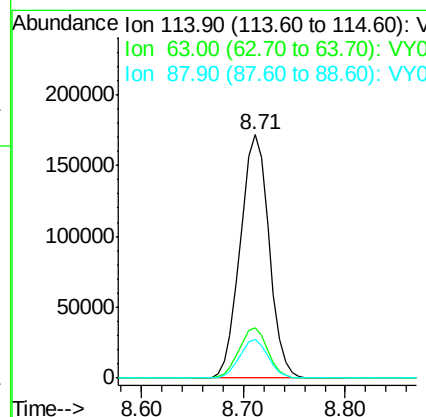
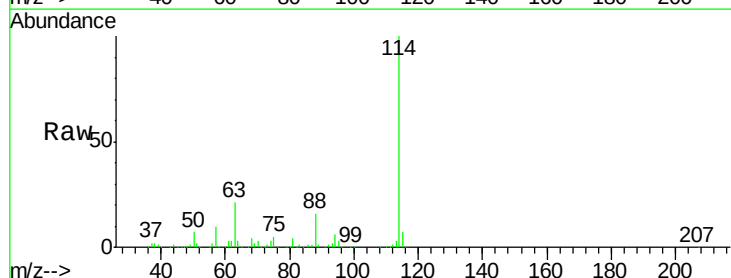
Manual Integrations
 APPROVED

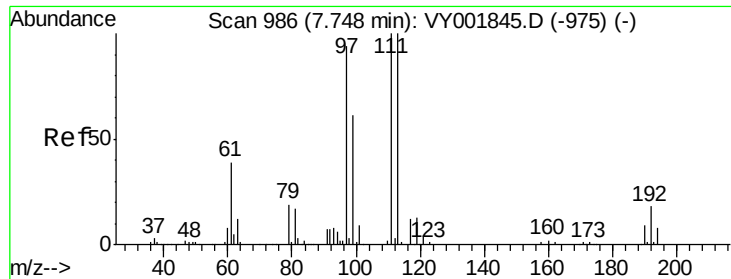
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 3/5/2020 1:37:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335002		
63	20.8	0.0	39.4	
88	15.8	0.0	30.4	





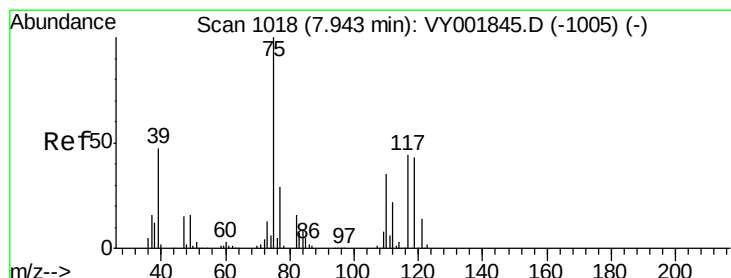
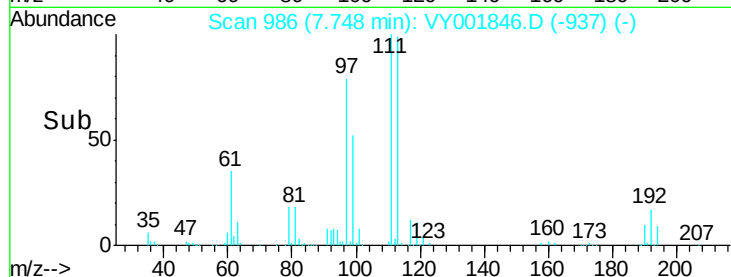
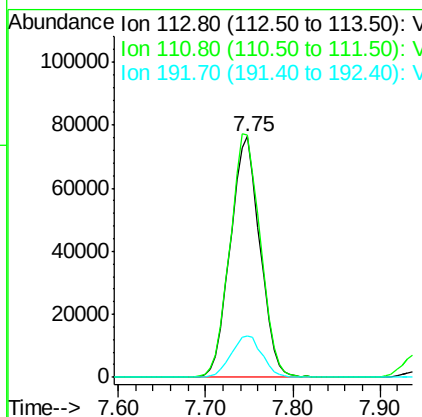
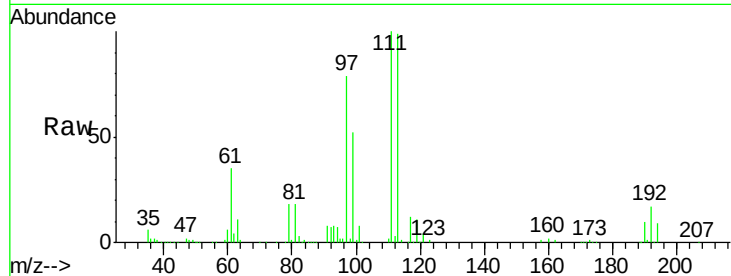
#35
 Dibromofluoromethane
 Concen: 98.455 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180168		
111	103.6	81.8	122.8	
192	18.0	14.2	21.2	

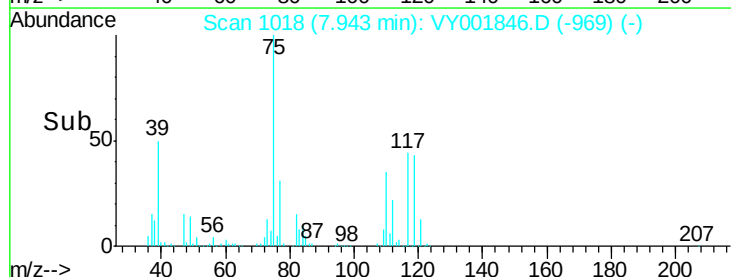
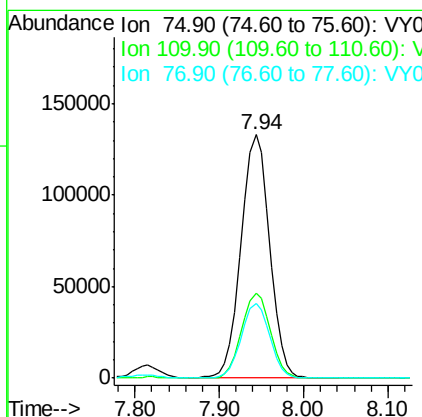
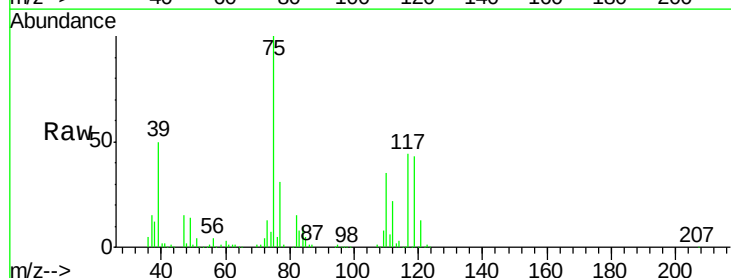
Manual Integrations
 APPROVED

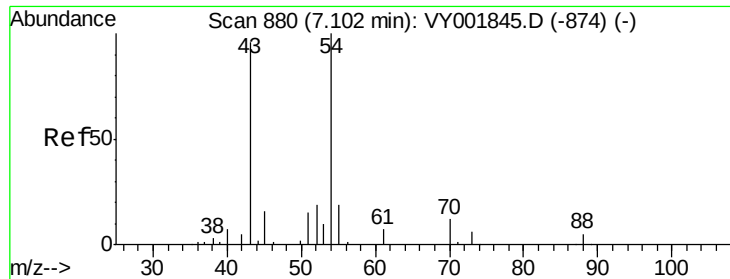
MMDadoda
 3/5/2020 1:37:11 PM



#36
 1,1-Dichloropropene
 Concen: 96.624 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	304038		
110	35.0	17.4	52.2	
77	30.8	24.2	36.2	





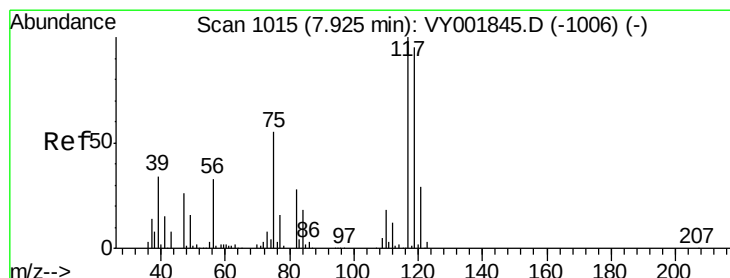
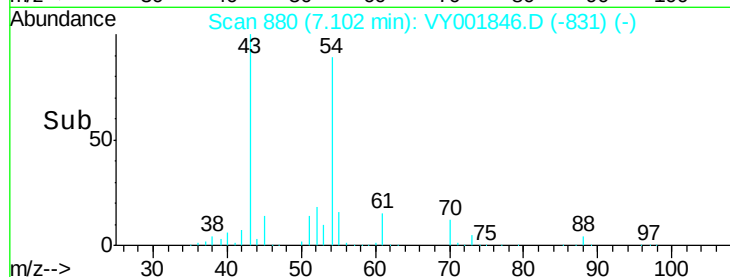
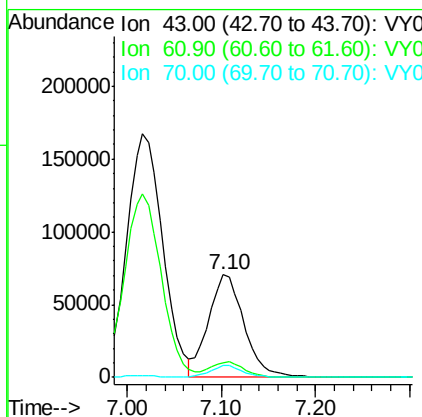
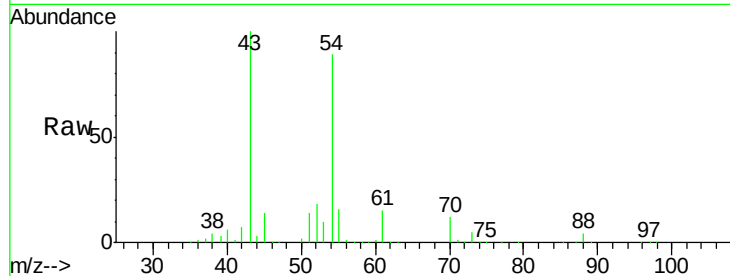
#37
Ethyl Acetate
Concen: 98.953 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.7	8.2	12.4

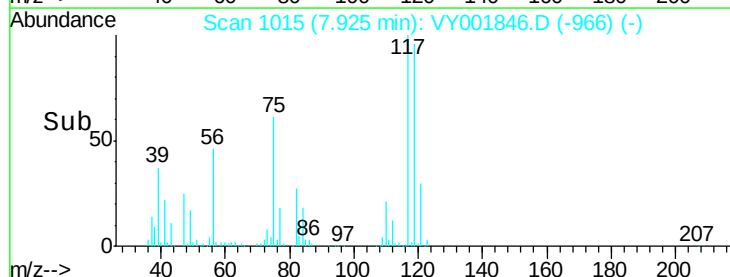
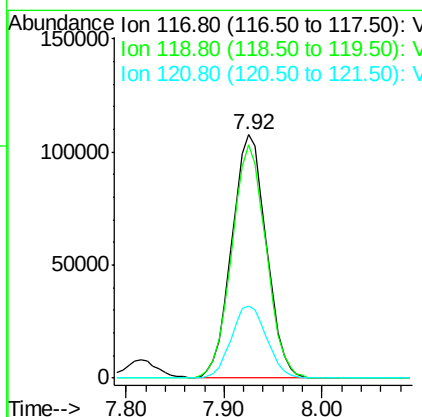
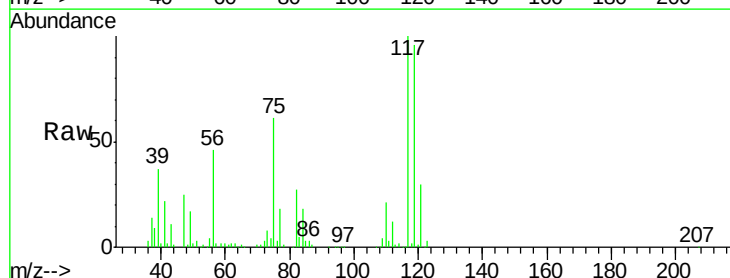
Manual Integrations
APPROVED

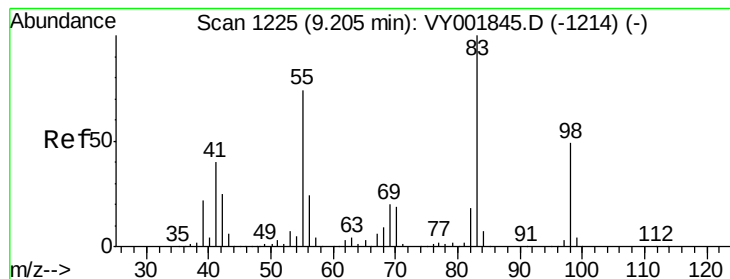
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3/5/2020 1:37:11 PM



#38
Carbon Tetrachloride
Concen: 98.104 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	29.7	23.5	35.3





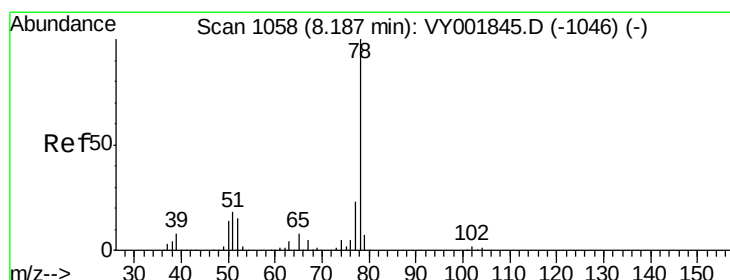
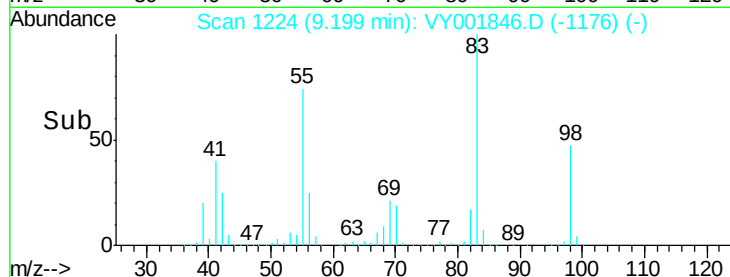
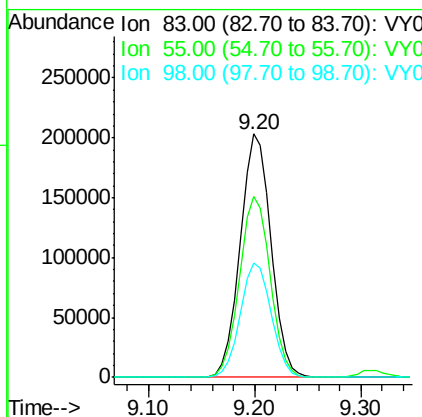
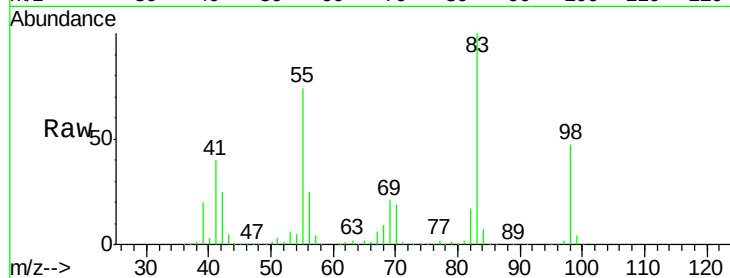
#39
Methylvlcyclohexane
Concen: 98.299 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	413429
Ion Ratio	100	Lower	Upper
83	100		
55	74.1	59.4	89.0
98	47.0	38.9	58.3

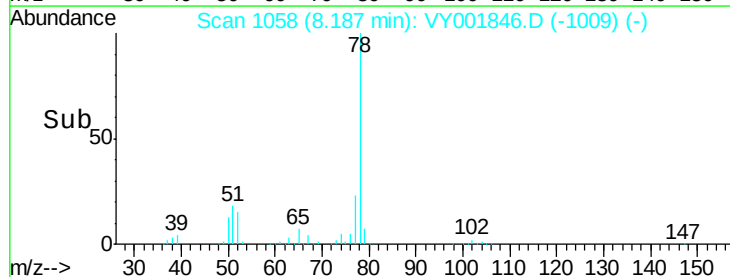
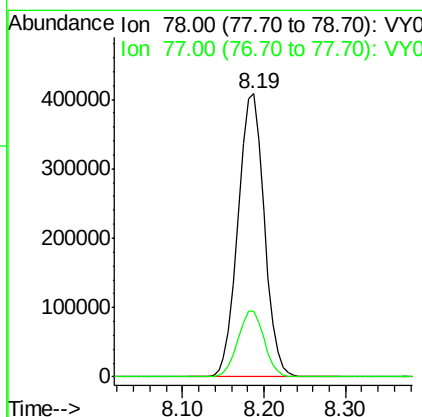
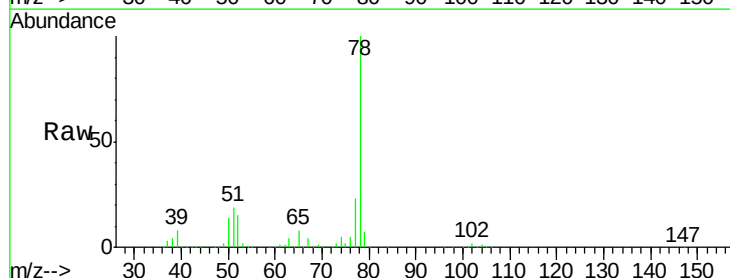
Manual Integrations
APPROVED

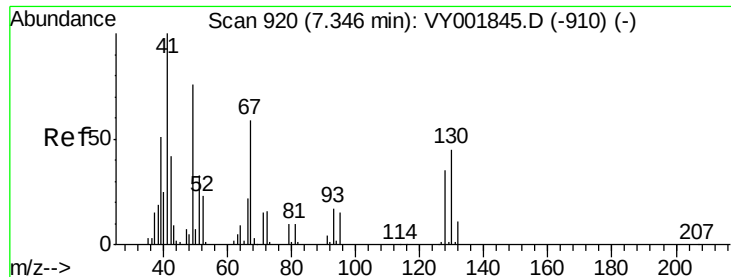
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3/5/2020 1:37:11 PM



#40
Benzene
Concen: 97.055 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	78	Resp	907933
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.7	28.1





#41

Methacrylonitrile

Concen: 37.972 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 84203

Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

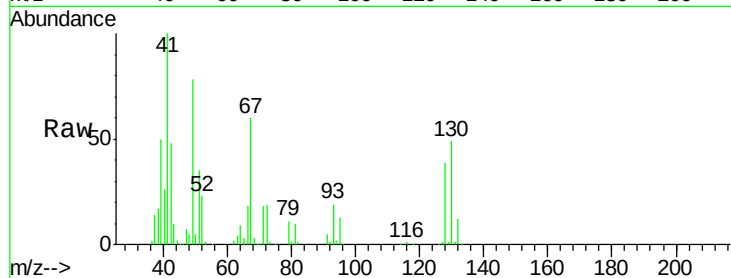
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:37:11 PM

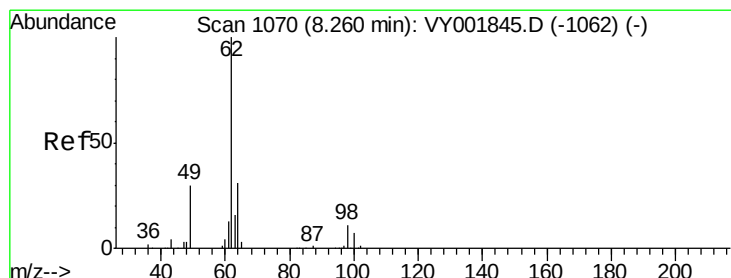
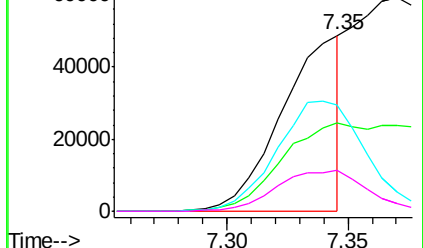
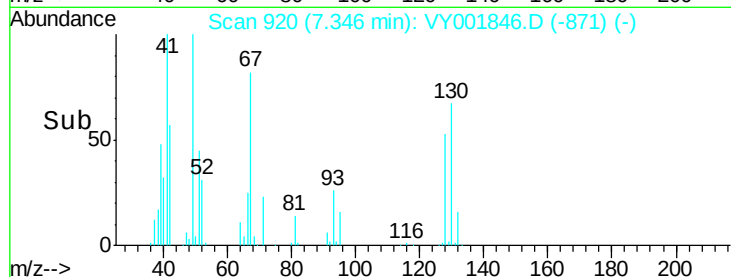


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 96.923 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY001846.D

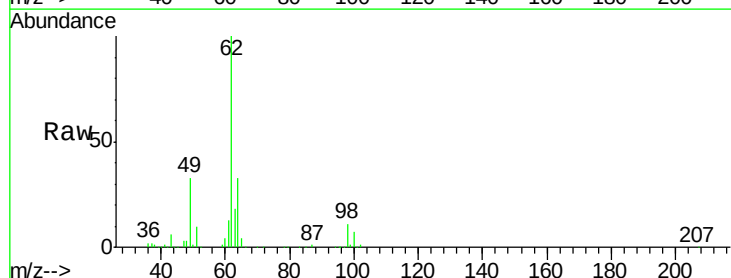
Acq: 04 Mar 2020 11:54

Tgt Ion: 62 Resp: 234010

Ion Ratio Lower Upper

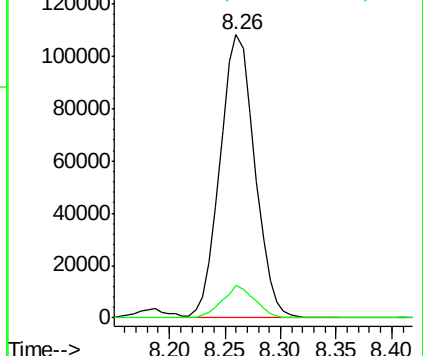
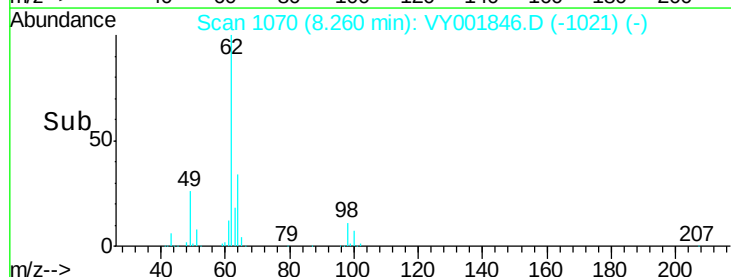
62 100

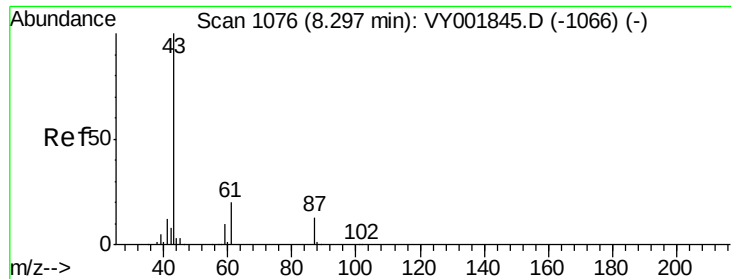
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





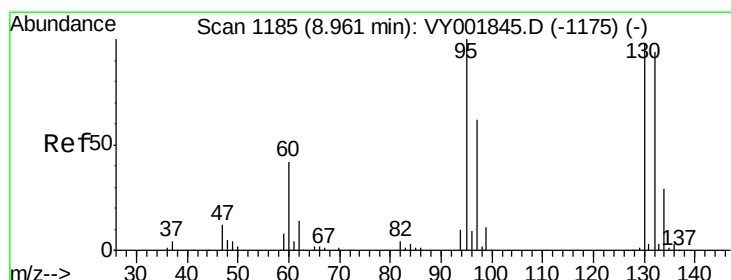
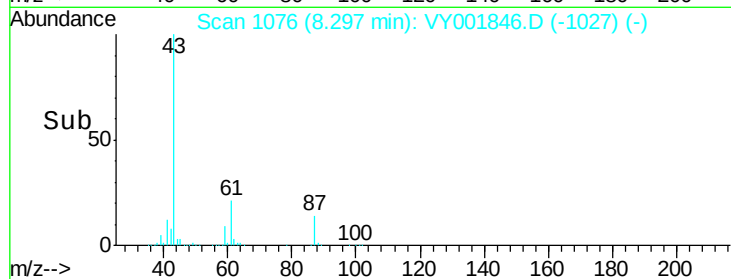
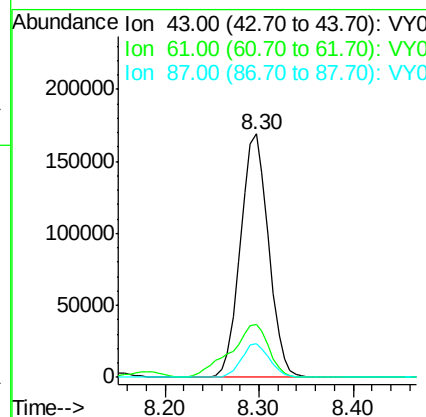
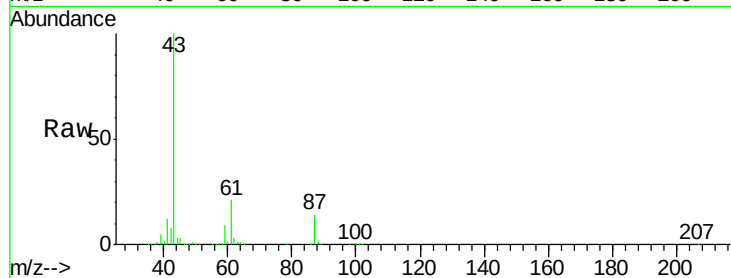
#43
Isopropyl Acetate
Concen: 100.414 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.8	35.6
87	13.7	10.9	16.3

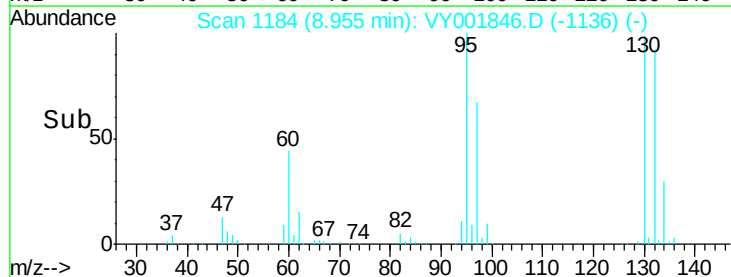
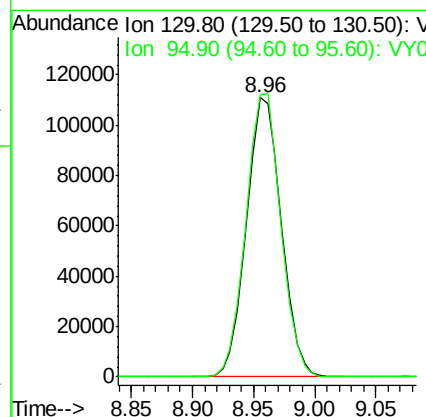
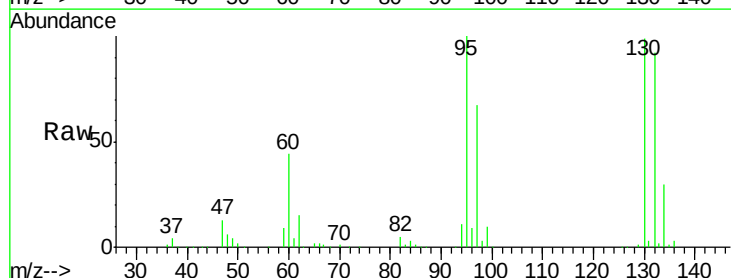
Manual Integrations
APPROVED

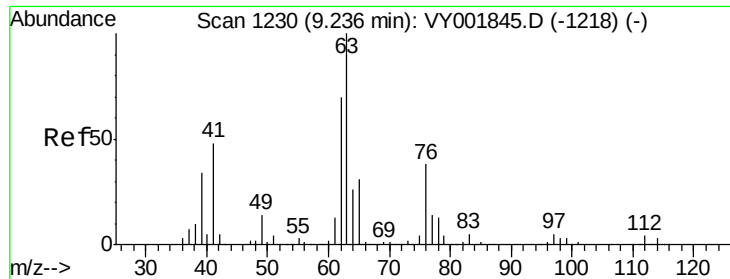
MMDadoda
3/5/2020 1:37:11 PM



#44
Trichloroethene
Concen: 96.182 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	204.6





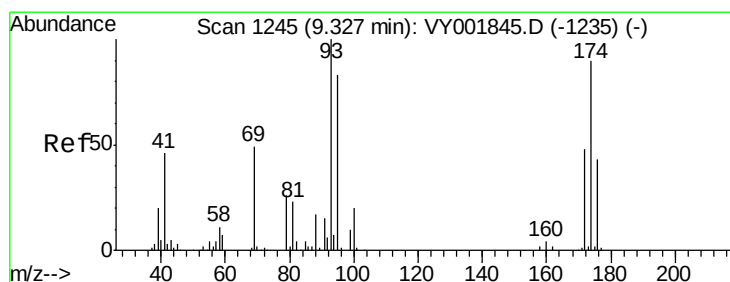
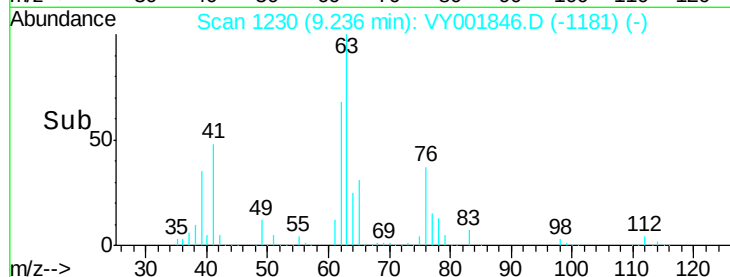
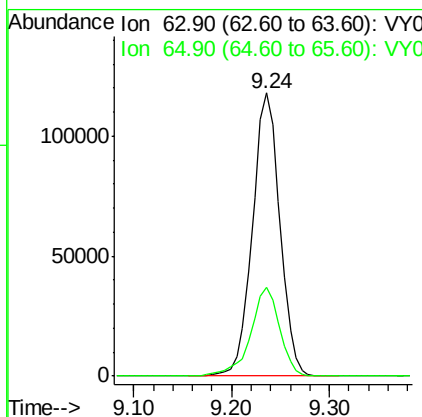
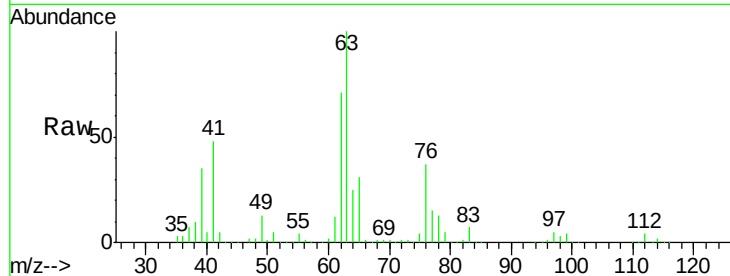
#45
 1,2-Dichloropropane
 Concen: 97.081 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 229169
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.9 37.3

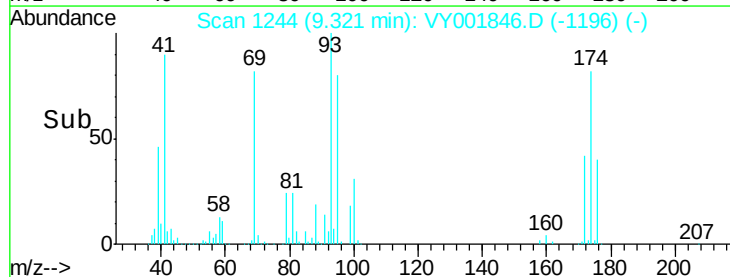
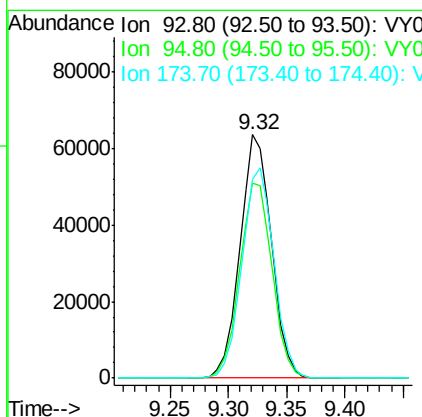
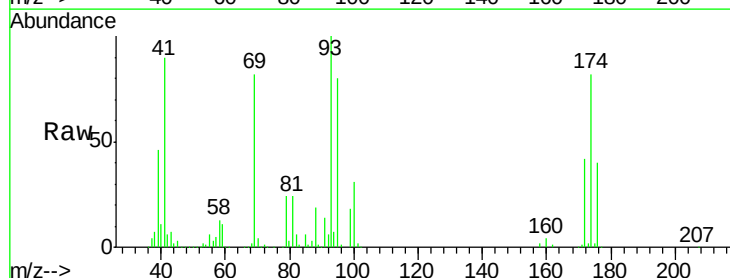
Manual Integrations
 APPROVED

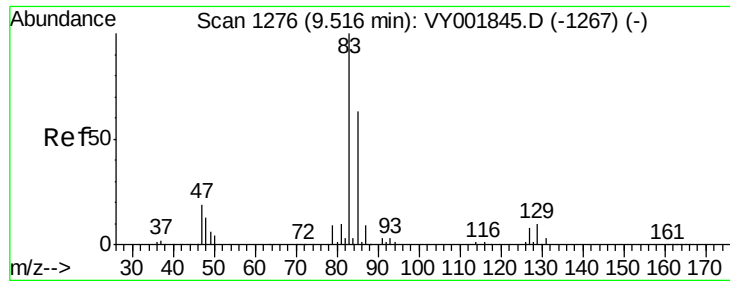
MMDadoda
 3/5/2020 1:37:11 PM



#46
 Dibromomethane
 Concen: 97.830 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion: 93 Resp: 119652
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.4
 174 88.0 71.8 107.8





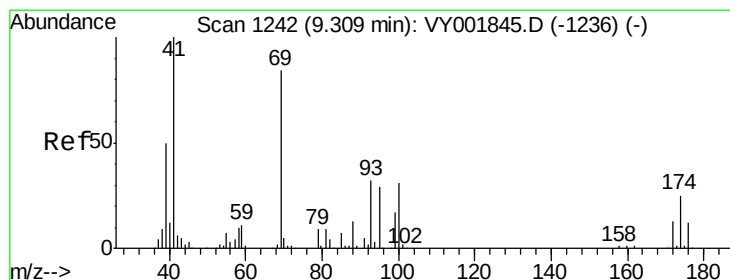
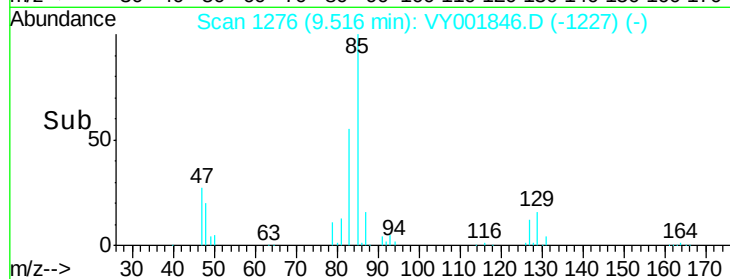
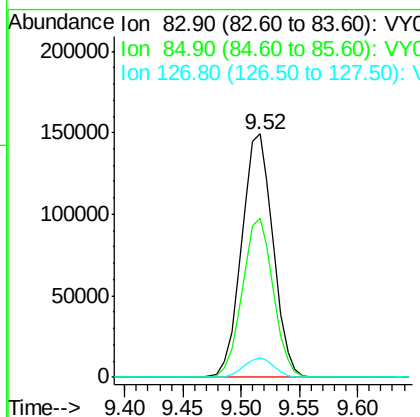
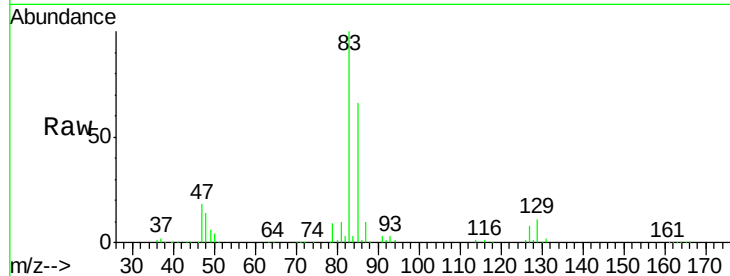
#47
Bromodichloromethane
Concen: 99.287 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	280698
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	50.6	76.0
127	8.1	6.2	9.4

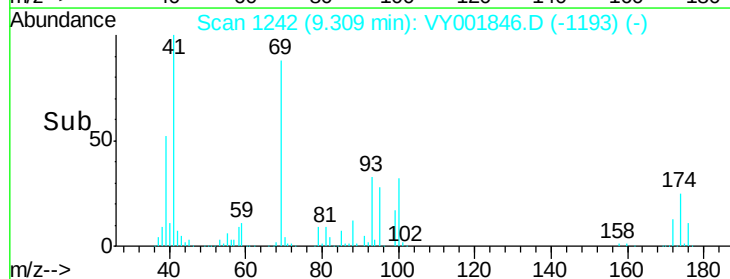
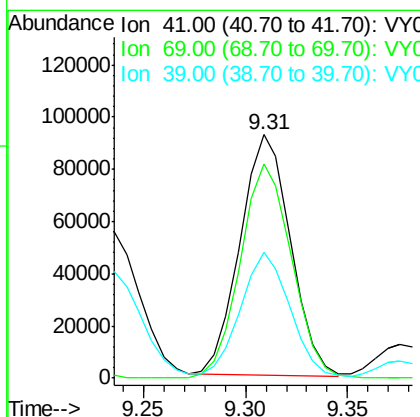
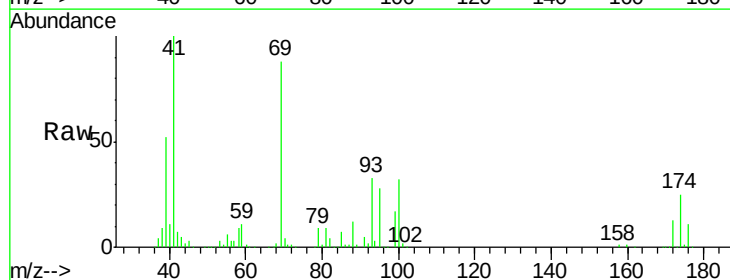
Manual Integrations
APPROVED

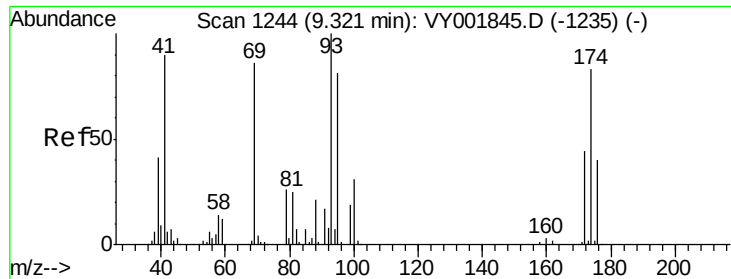
MMDadoda
3/5/2020 1:37:11 PM



#48
Methyl methacrylate
Concen: 100.018 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	41	Resp	157987
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	69.0	103.6
39	49.9	39.1	58.7





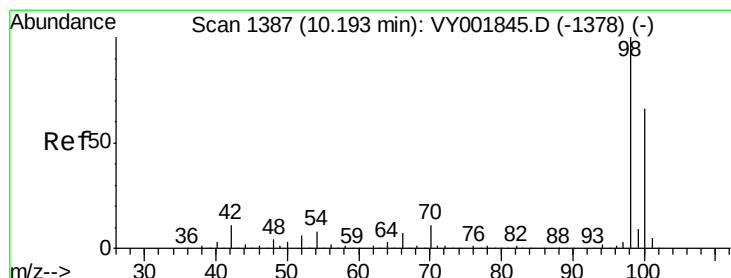
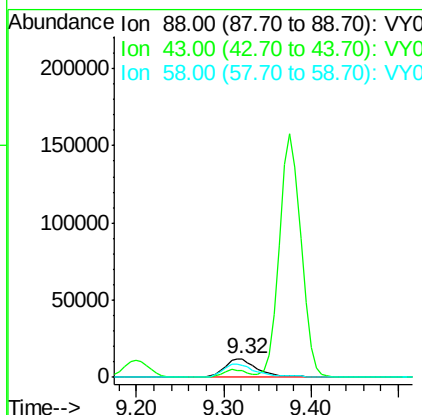
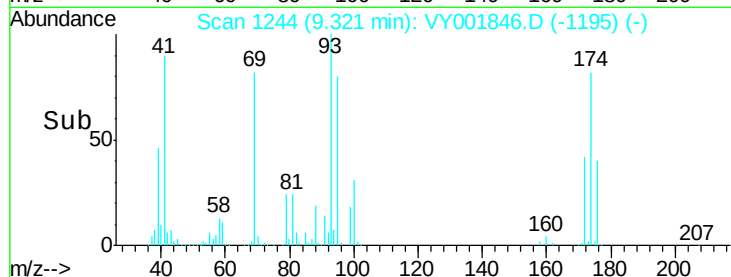
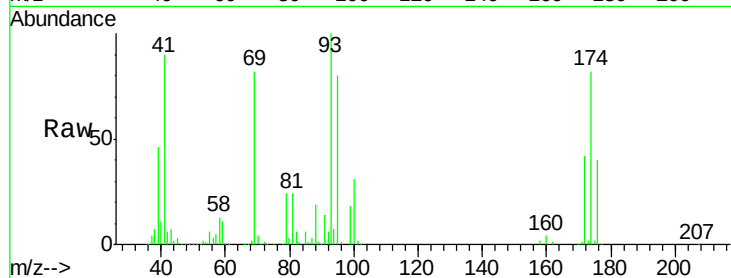
#49
1,4-Dioxane
Concen: 1967.823 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	31735
Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.0	37.6
58	67.6	58.9	88.3

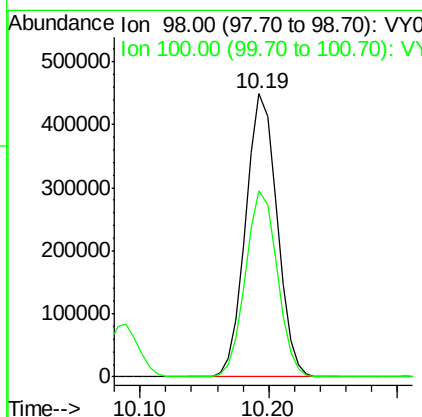
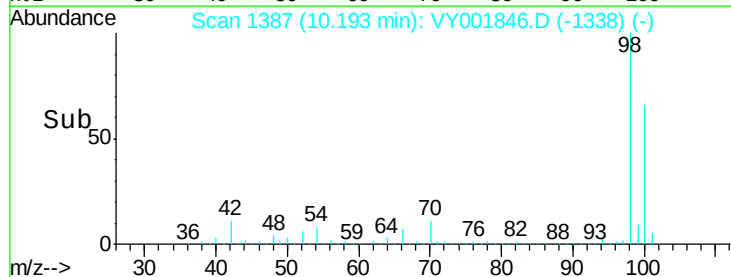
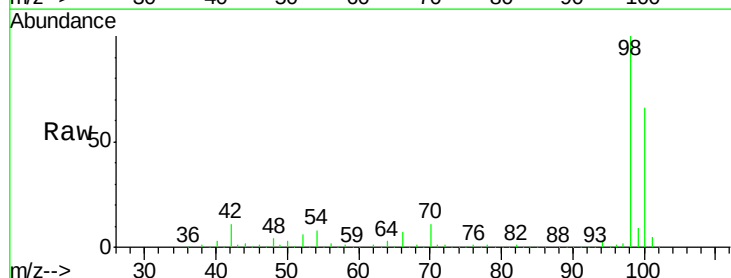
Manual Integrations
APPROVED

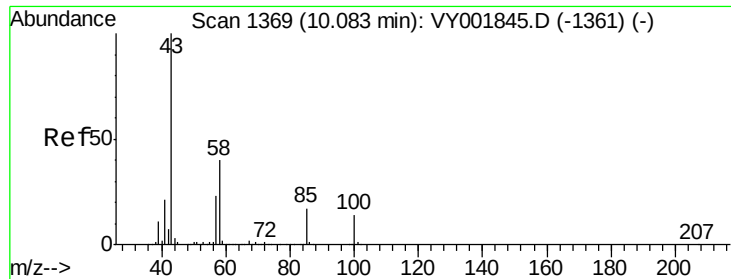
MMDadoda
3/5/2020 1:37:11 PM



#50
Toluene-d8
Concen: 98.000 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	98	Resp	755275
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





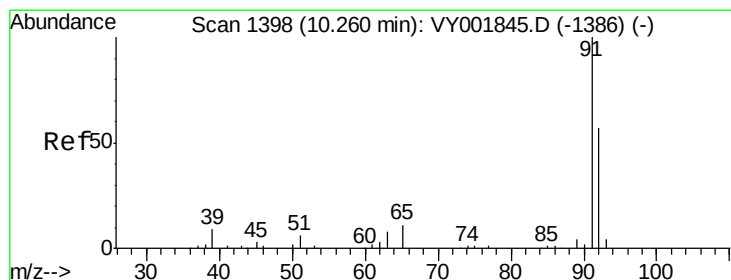
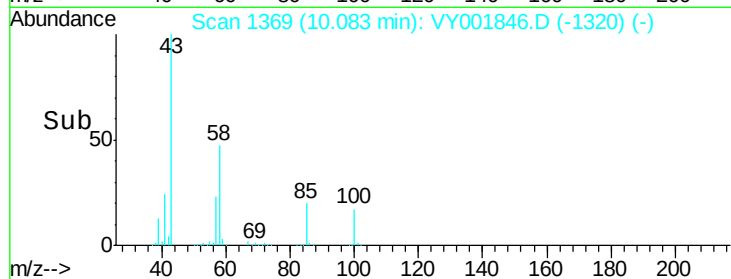
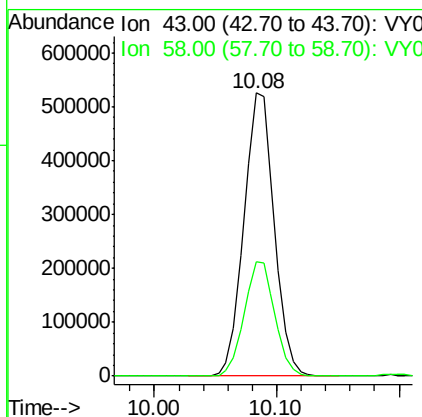
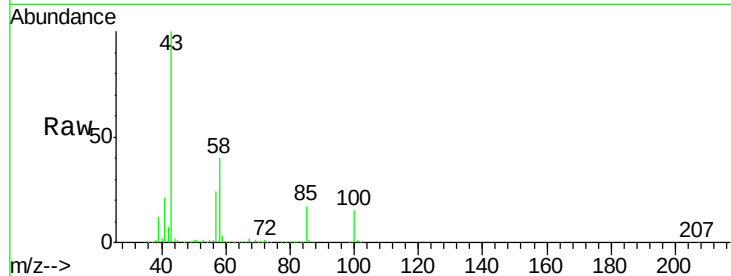
#51
4-Methyl-2-Pentanone
Concen: 504.163 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.6		32.0	48.0	

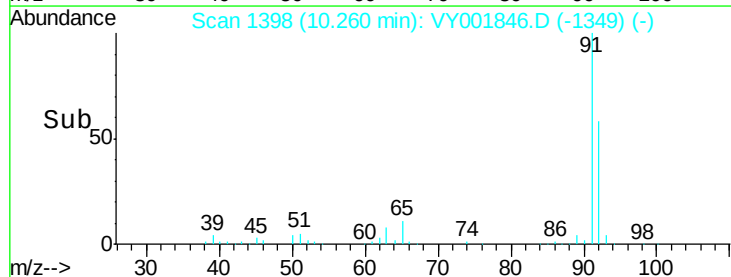
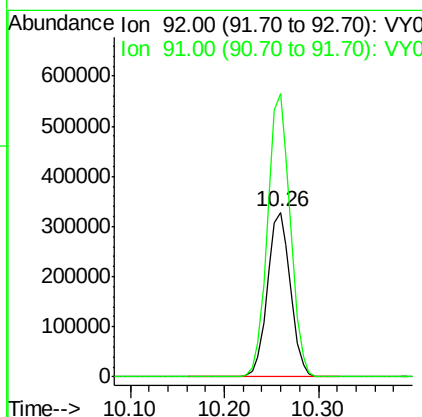
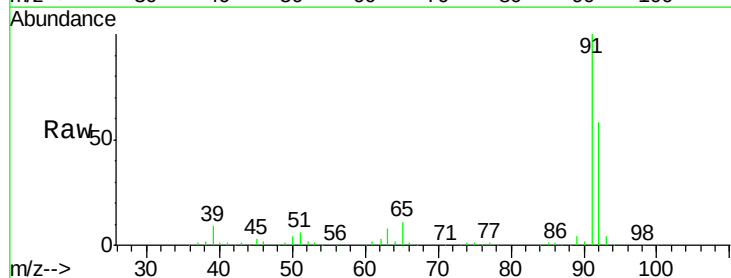
Manual Integrations
APPROVED

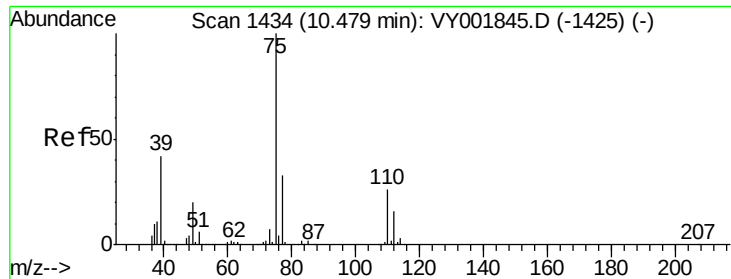
MMDadoda
3/5/2020 1:37:11 PM



#52
Toluene
Concen: 98.504 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	171.2		138.6	208.0	





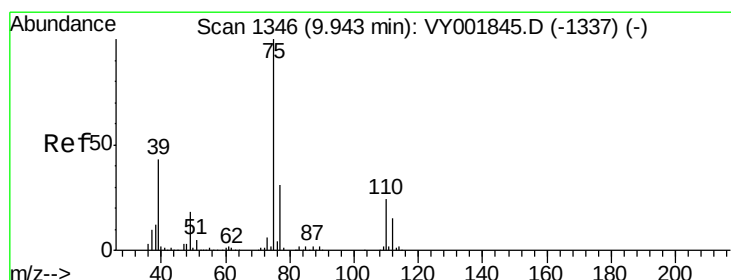
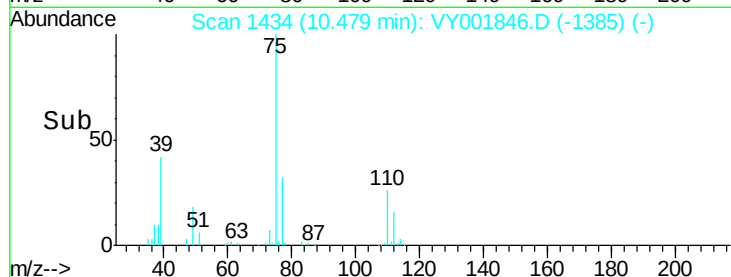
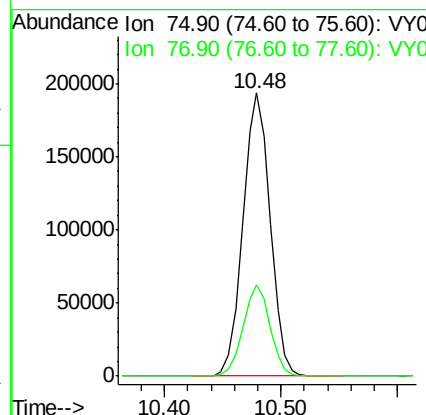
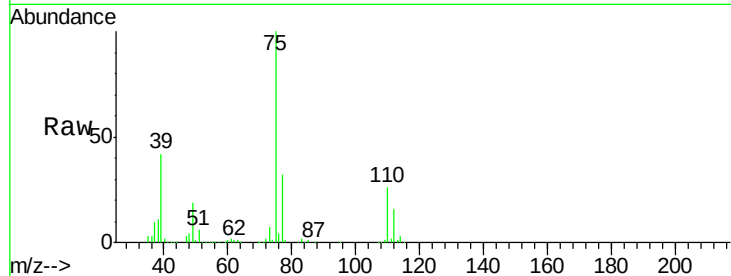
#53
 t-1,3-Dichloropropene
 Concen: 101.881 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.3	39.5

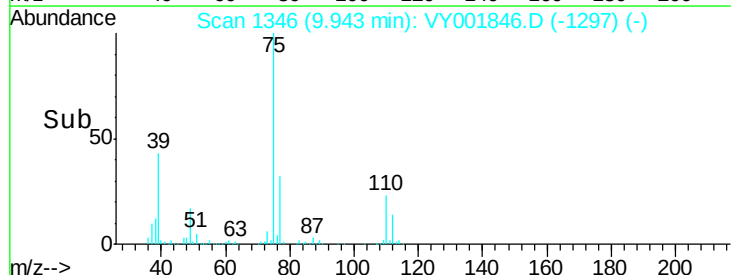
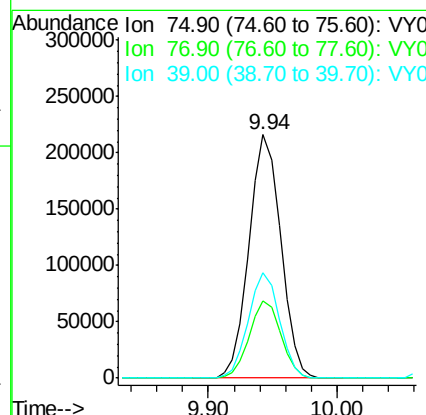
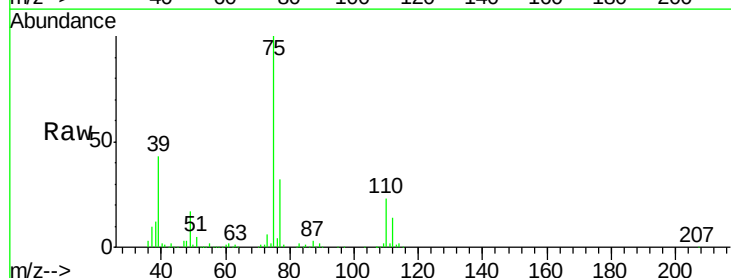
Manual Integrations
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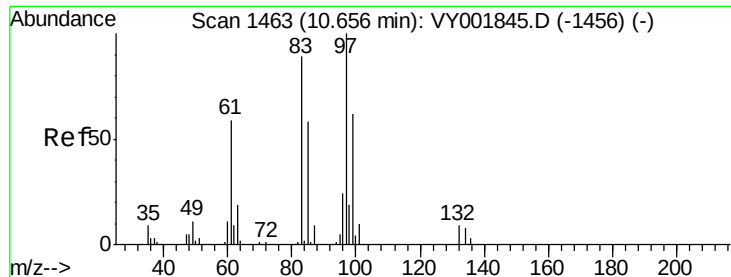
MMDadoda
 3/5/2020 1:37:11 PM



#54
 cis-1,3-Dichloropropene
 Concen: 99.989 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	43.1	34.7	52.1





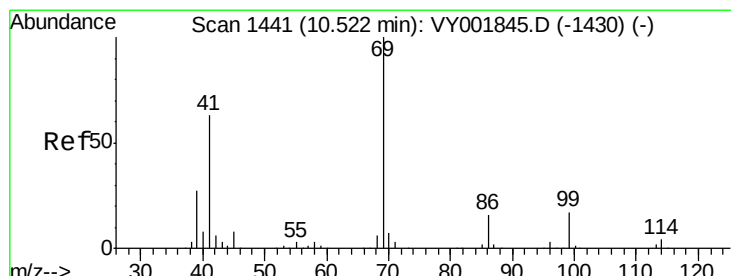
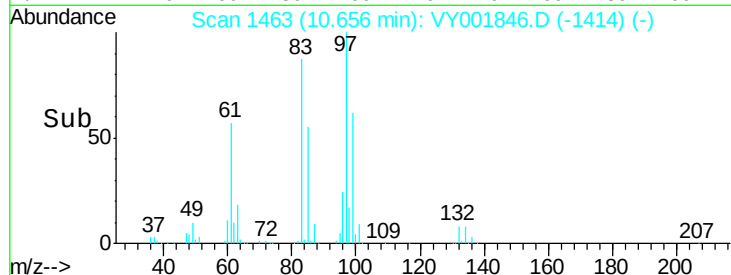
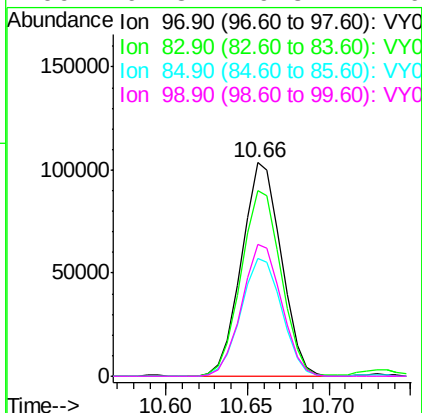
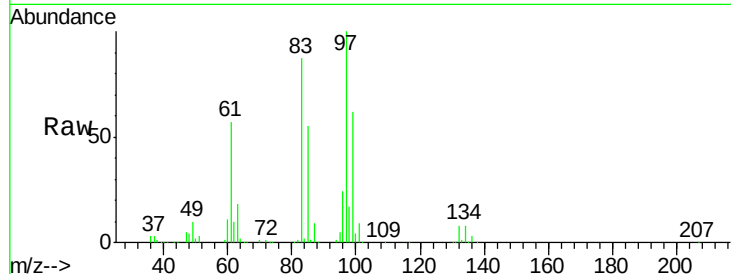
#55
 1,1,2-Trichloroethane
 Concen: 98.129 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		175120		
83	87.3	71.6	107.4		
85	55.1	46.6	69.8		
99	61.8	49.8	74.6		

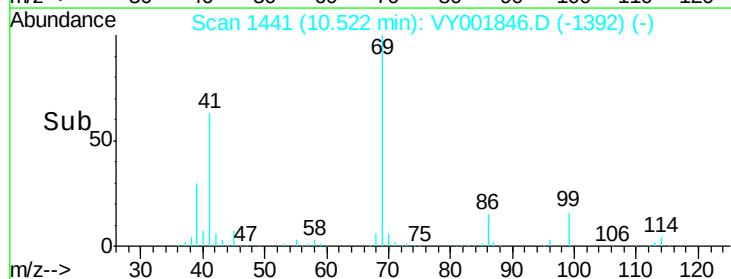
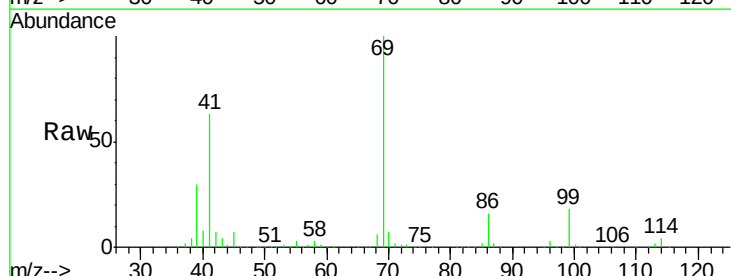
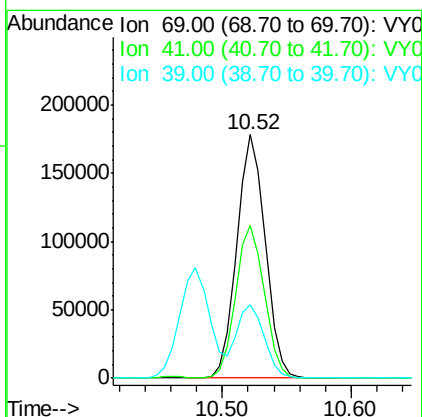
Manual Integrations
 APPROVED

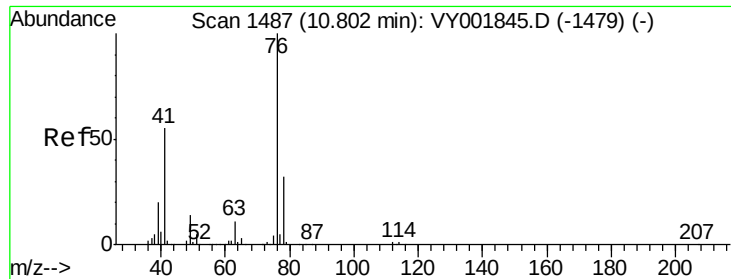
MMDadoda
 3/5/2020 1:37:11 PM



#56
 Ethyl methacrylate
 Concen: 104.779 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		272474		
41	62.8	49.9	74.9		
39	28.7	23.0	34.6		





#57

1,3-Dichloropropane

Concen: 98.207 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 310369

Ion Ratio Lower Upper

76 100

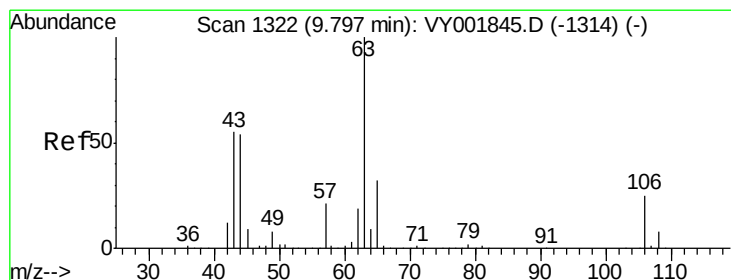
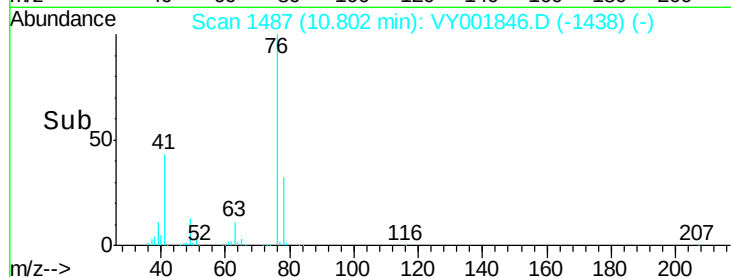
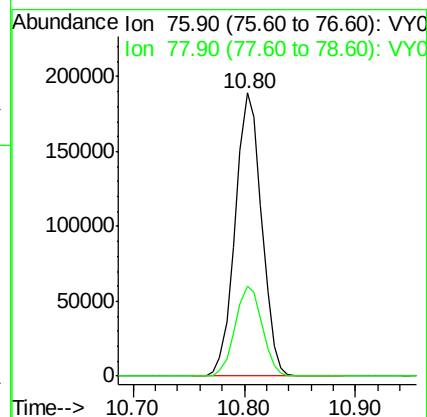
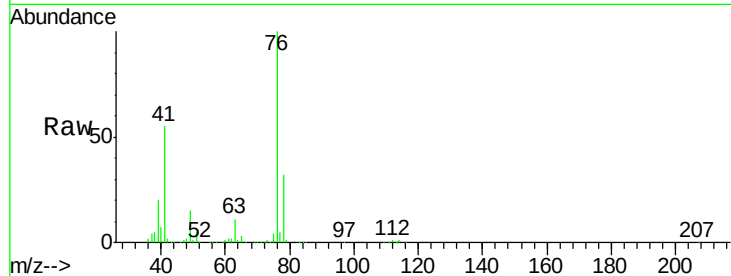
78 32.5 25.8 38.6

Manual Integrations

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MMDadoda

3/5/2020 1:37:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 430.863 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY001846.D

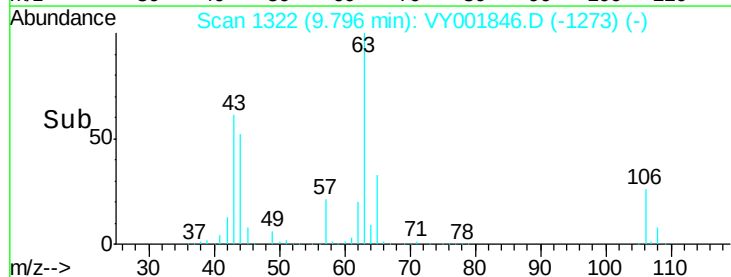
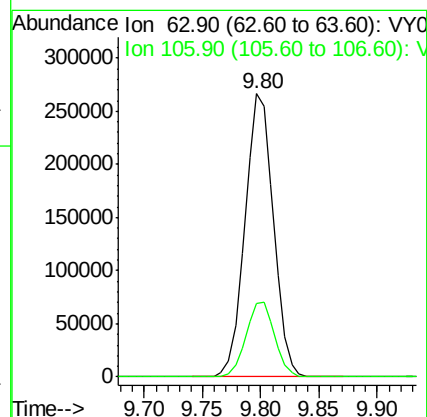
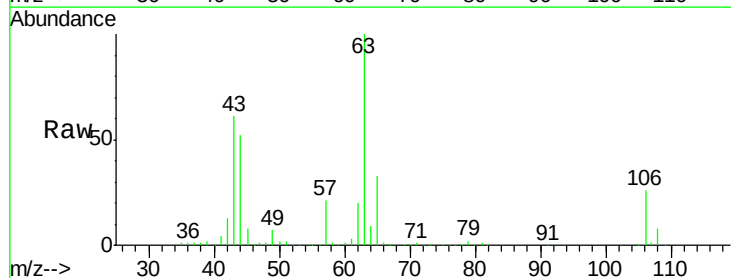
Acq: 04 Mar 2020 11:54

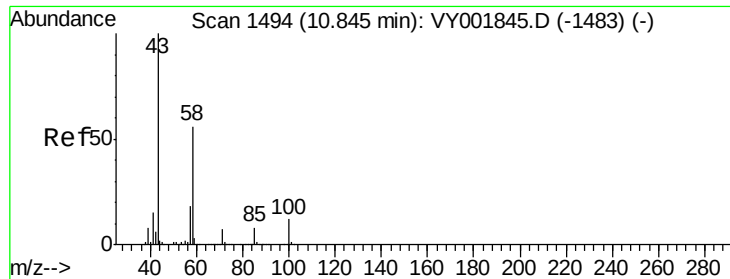
Tgt Ion: 63 Resp: 454538

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





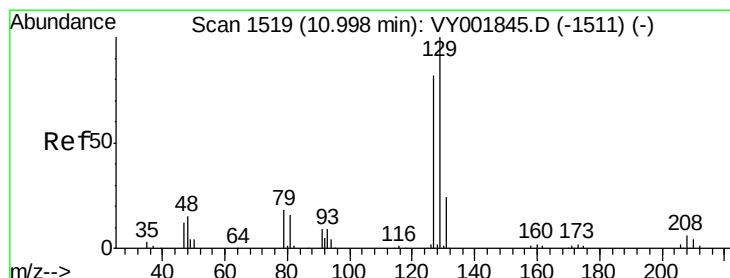
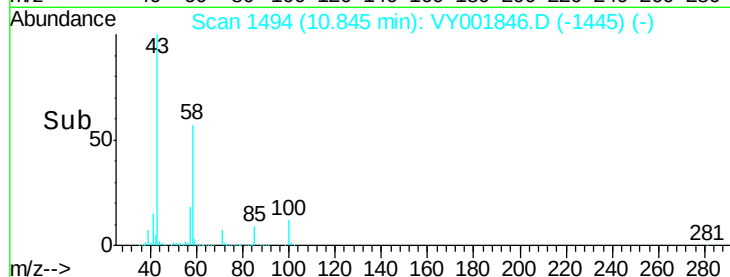
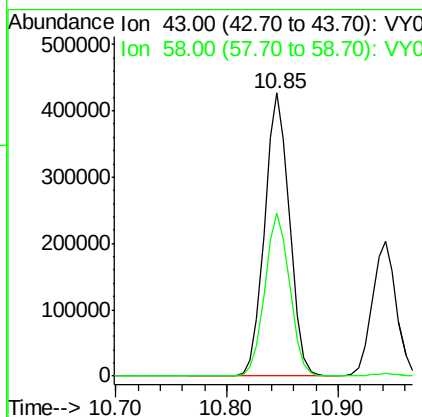
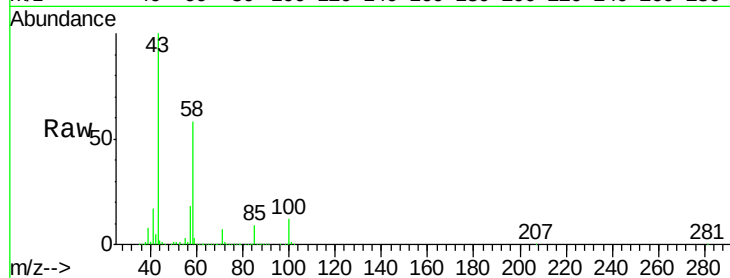
#59
2-Hexanone
Concen: 520.083 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 664200
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.3

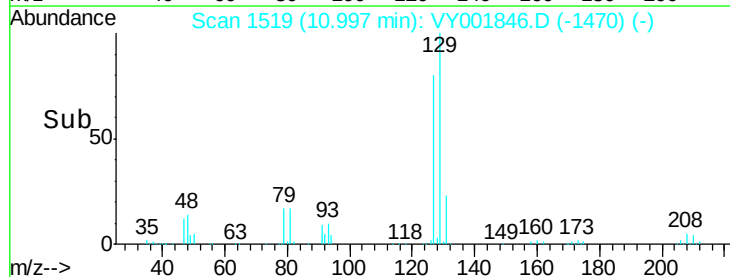
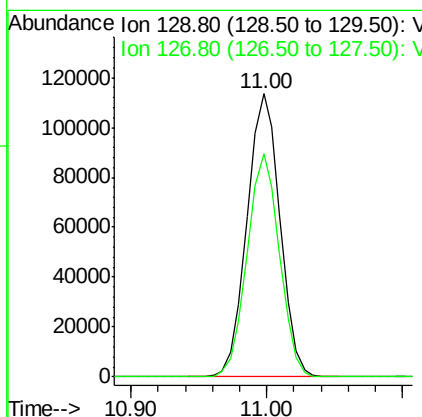
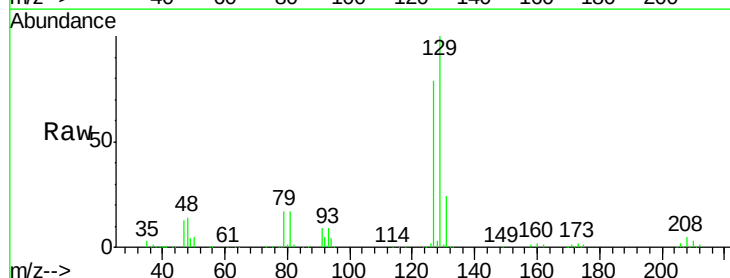
Manual Integrations
APPROVED

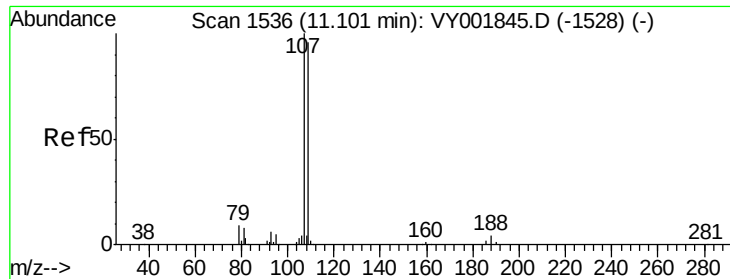
MMDadoda
3/5/2020 1:37:11 PM



#60
Dibromochloromethane
Concen: 102.713 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion: 129 Resp: 192643
Ion Ratio Lower Upper
129 100
127 77.3 39.0 117.0





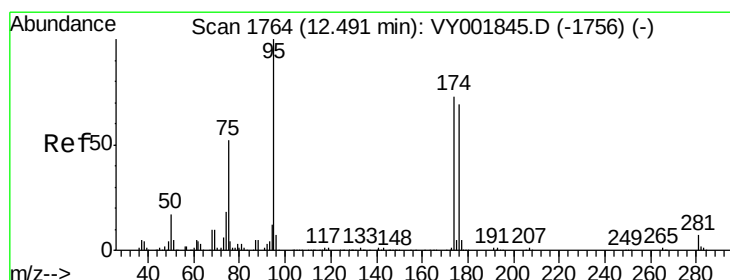
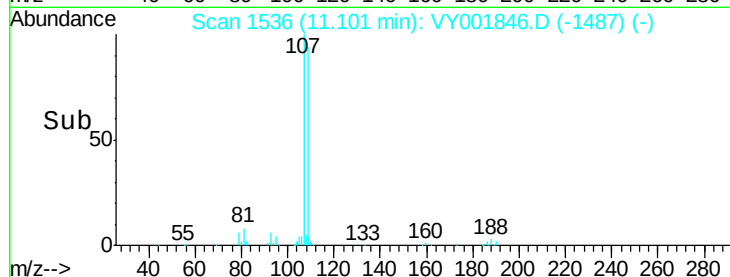
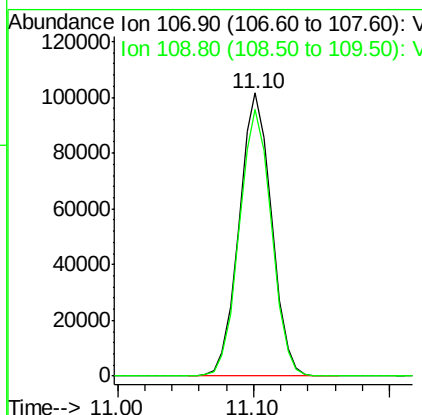
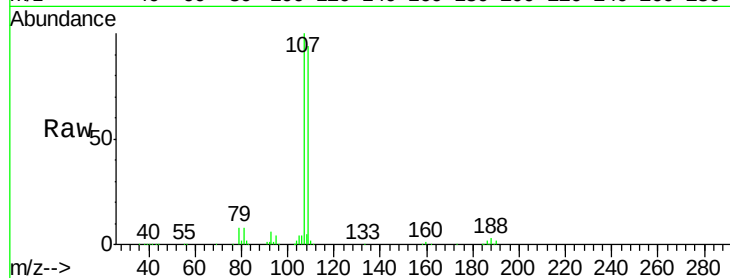
#61
 1,2-Dibromoethane
 Concen: 101.304 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	168961		
109	93.6	75.4	113.0	

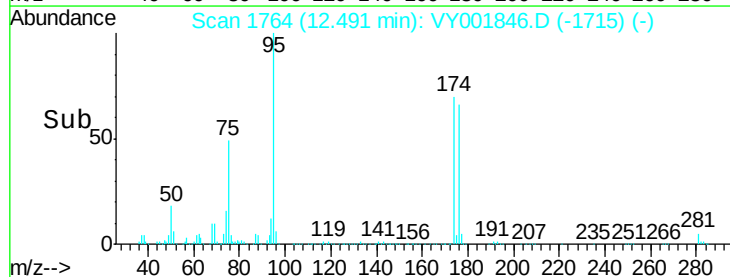
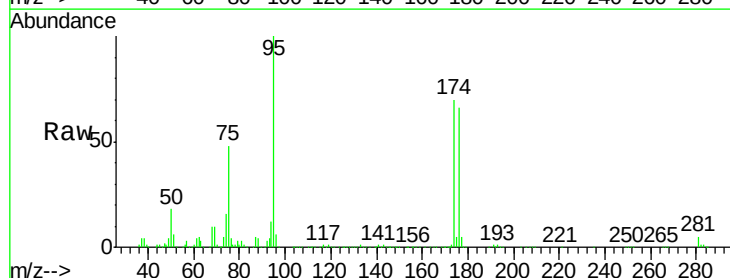
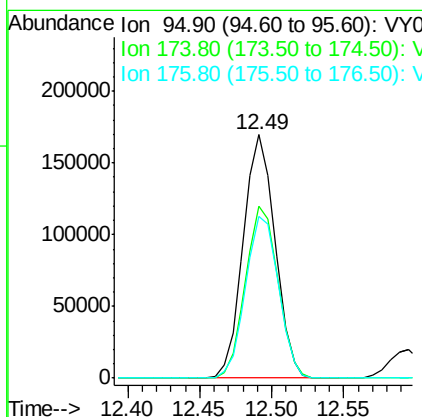
Manual Integrations
 APPROVED

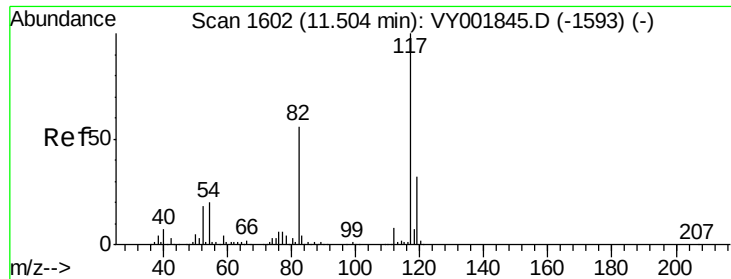
MMDadoda
 3/5/2020 1:37:11 PM



#62
 4-Bromofluorobenzene
 Concen: 97.022 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	259480		
174	71.8	0.0	145.0	
176	68.7	0.0	137.4	





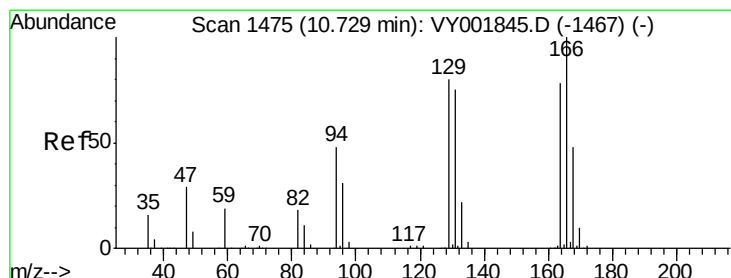
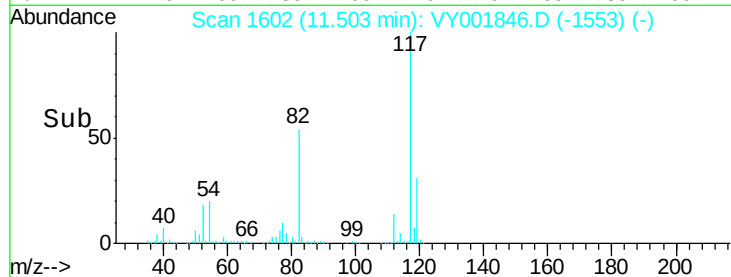
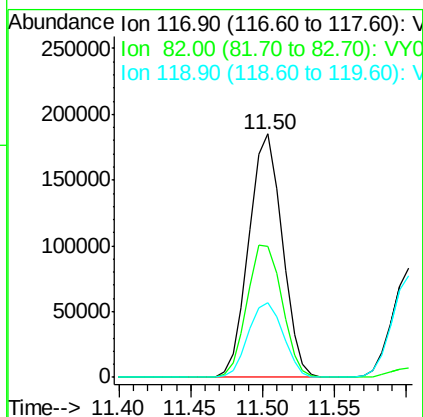
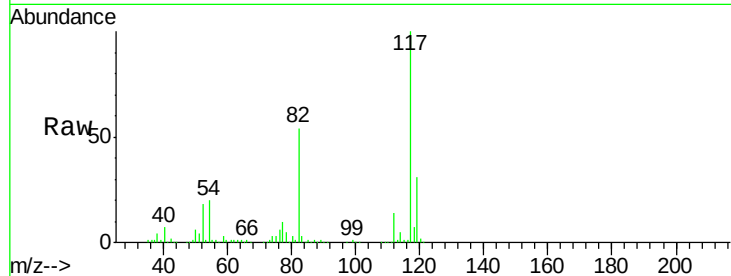
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297287		
82	53.7		44.5	66.7
119	30.6		25.7	38.5

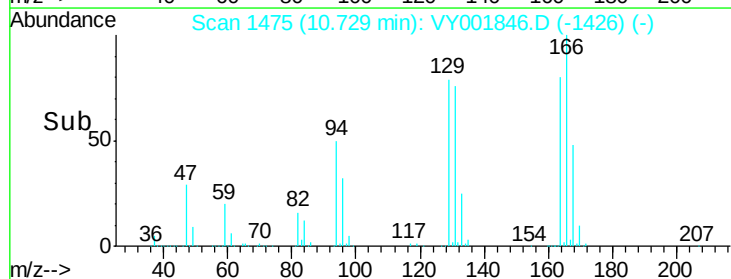
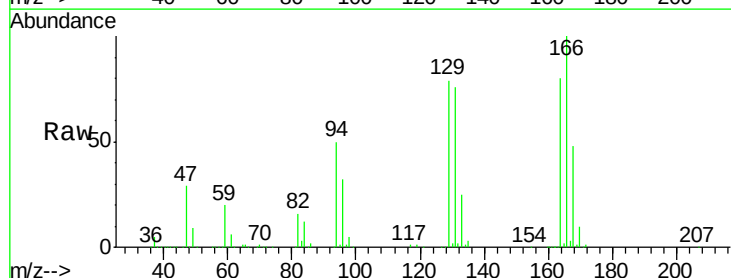
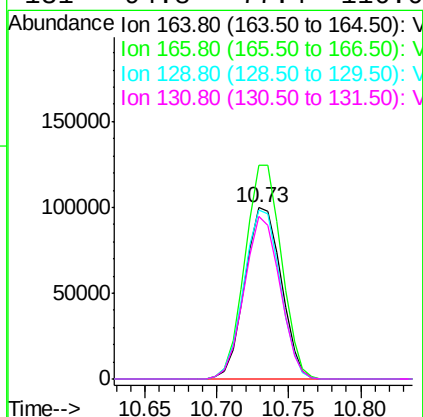
Manual Integrations
APPROVED

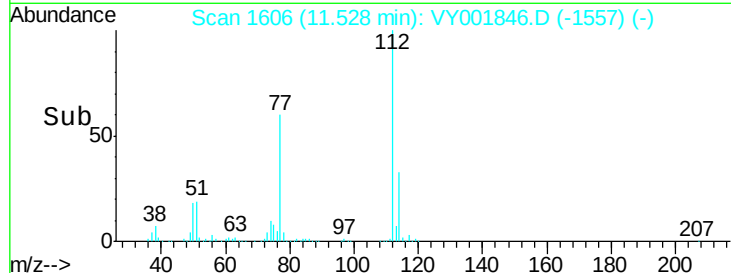
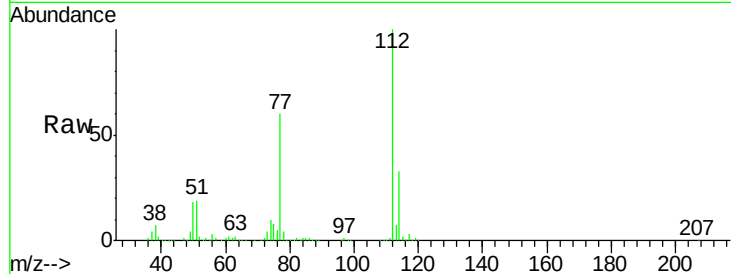
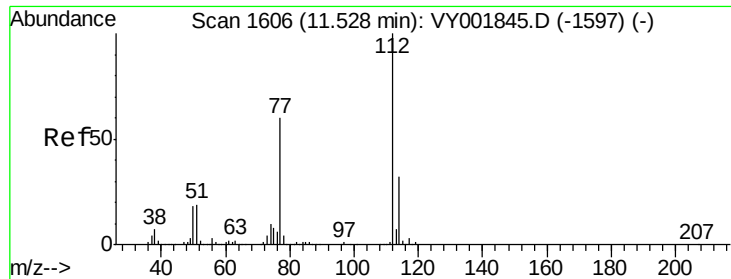
MMDadoda
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#64
Tetrachloroethene
Concen: 95.312 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174787		
166	124.8		102.6	154.0
129	99.0		82.3	123.5
131	94.8		77.4	116.0





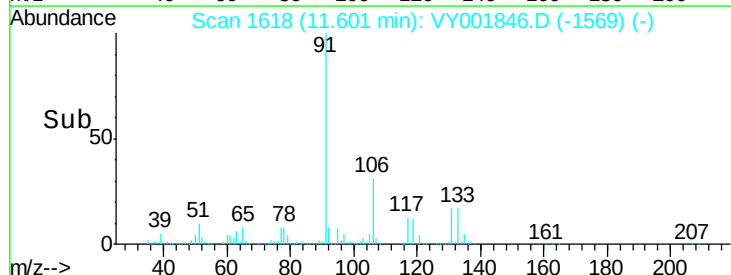
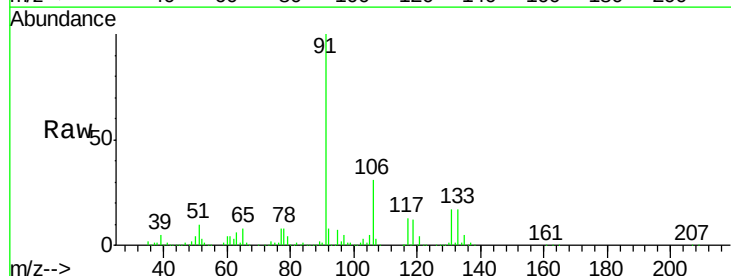
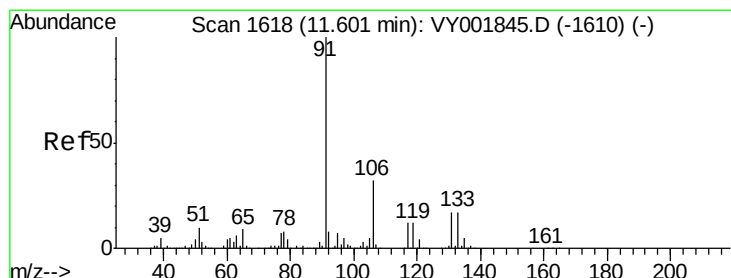
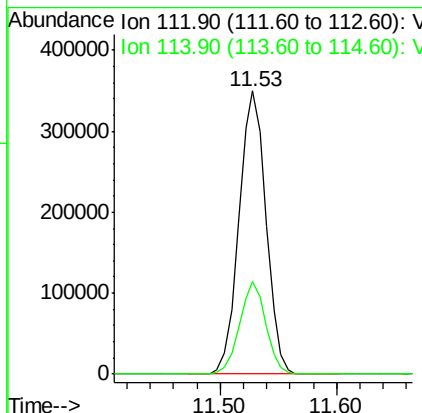
#65
Chlorobenzene
Concen: 97.236 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tot Ion:112 Resp: 564296
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

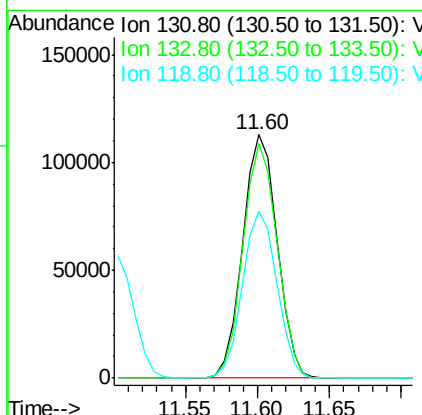
Manual Integrations
APPROVED

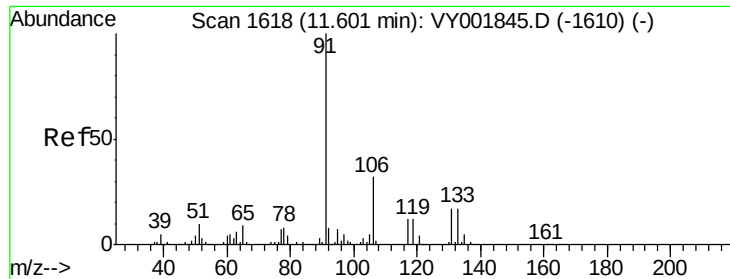
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.737 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion:131 Resp: 186873
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 68.6 34.5 103.6





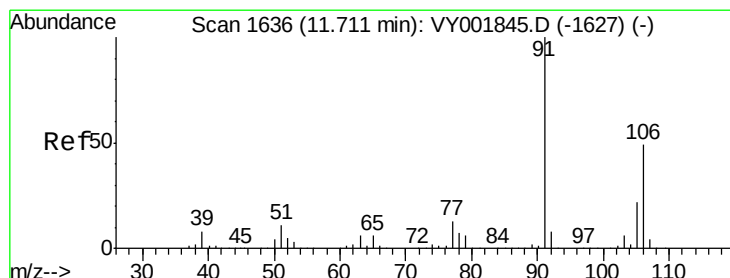
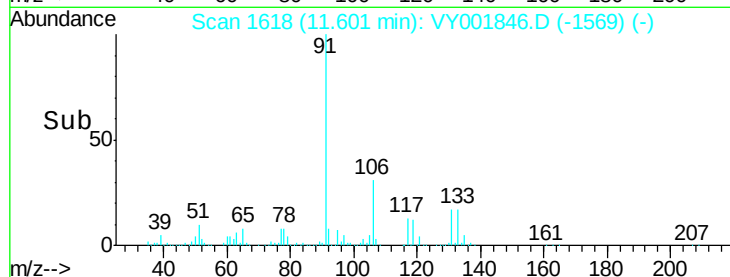
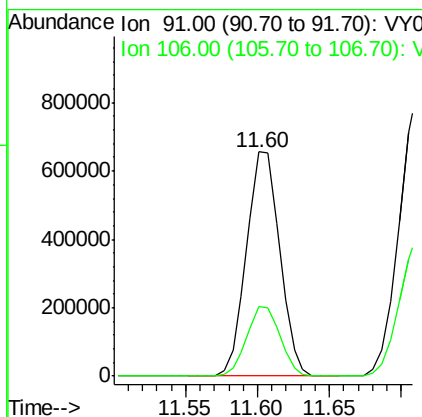
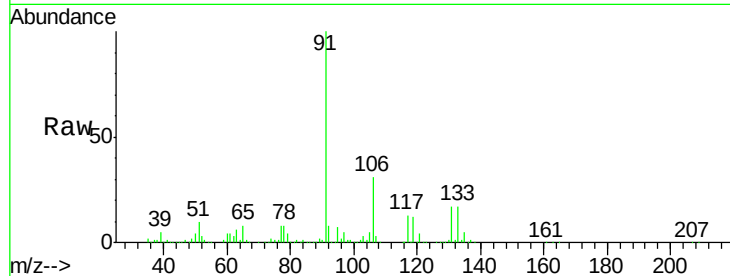
#67
Ethyl Benzene
Concen: 96.890 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1050786
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2

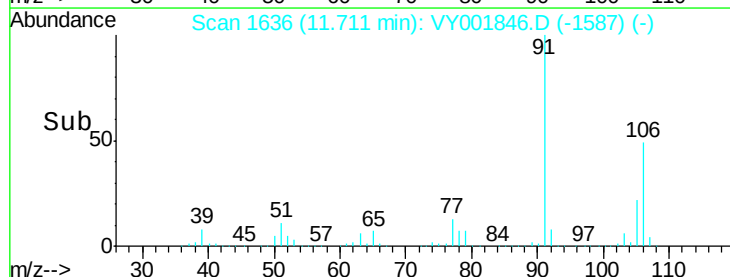
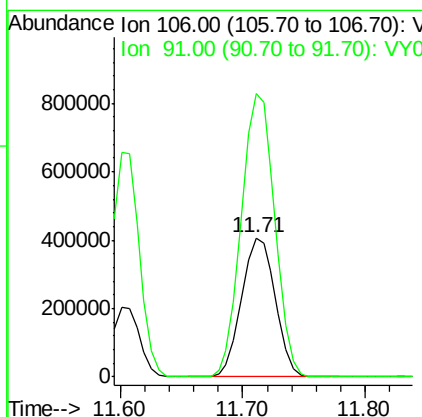
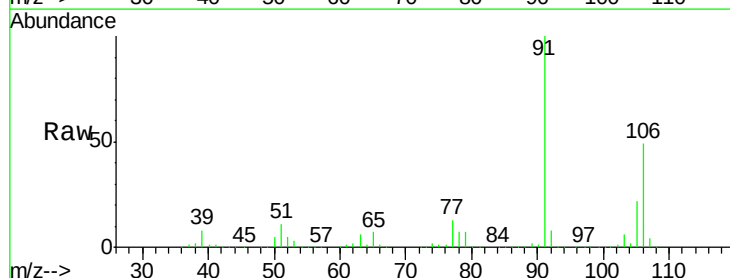
Manual Integrations
APPROVED

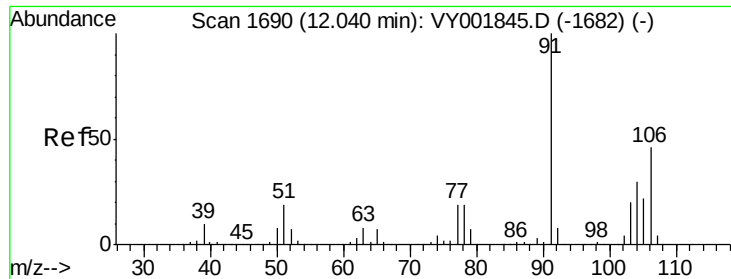
MMDadoda
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#68
m/p-Xylenes
Concen: 193.378 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion: 106 Resp: 776142
Ion Ratio Lower Upper
106 100
91 202.3 161.3 241.9





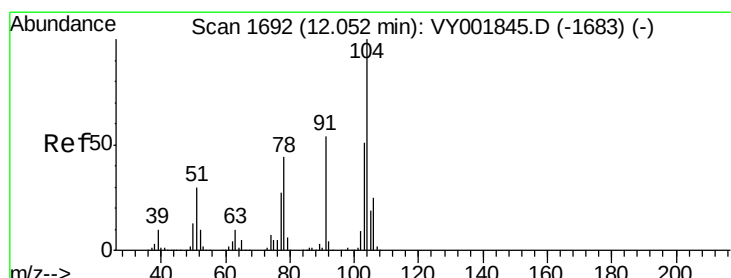
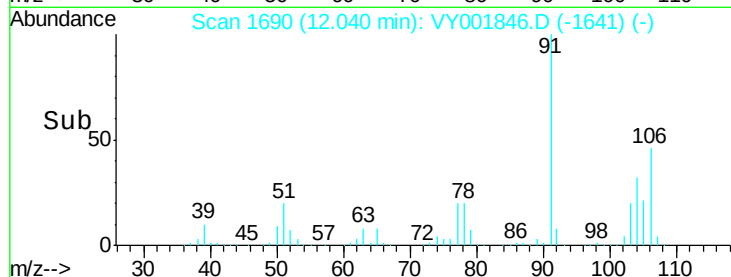
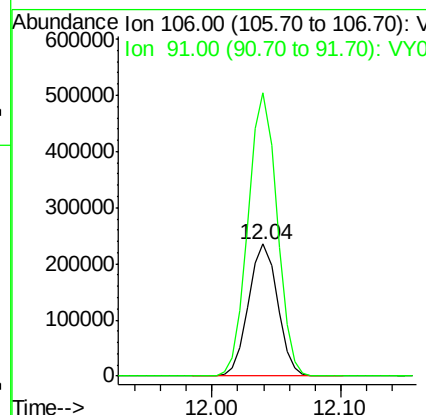
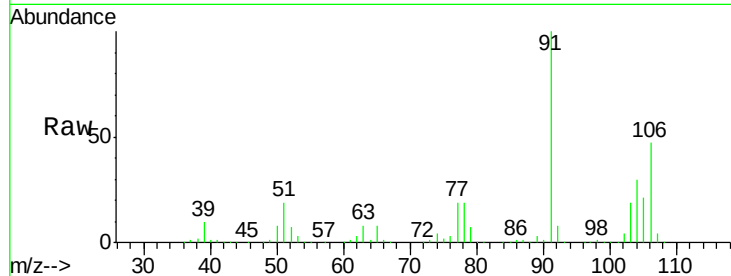
#69
o-Xylene
Concen: 97.241 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 367088
Ion Ratio Lower Upper
106 100
91 212.8 106.8 320.4

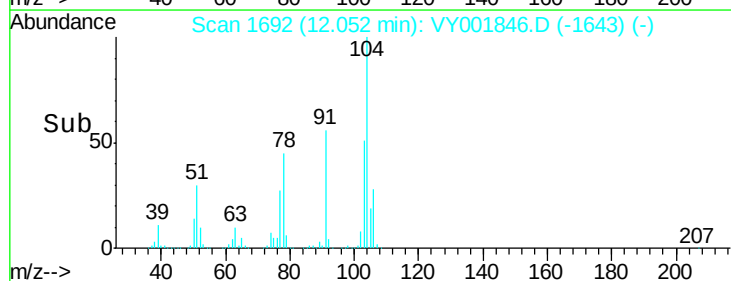
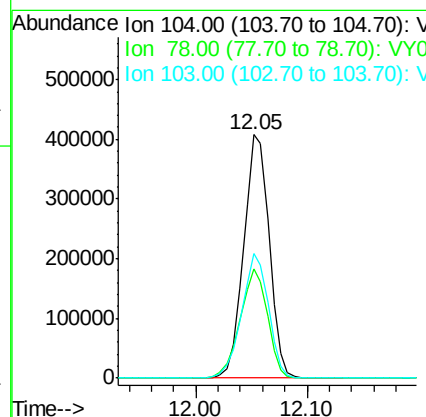
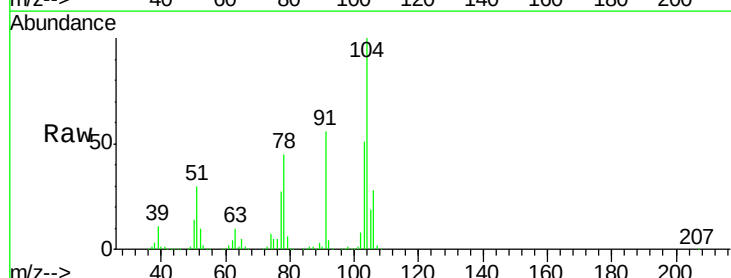
Manual Integrations
APPROVED

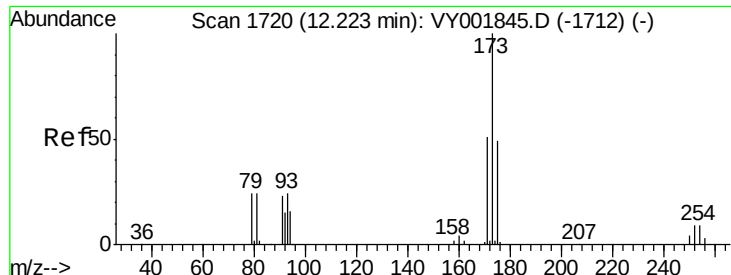
MMDadoda
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#70
Styrene
Concen: 98.994 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion:104 Resp: 646403
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 53.6 42.9 64.3





#71

Bromoform

Concen: 106.026 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 109773

Ion Ratio Lower Upper

173 100

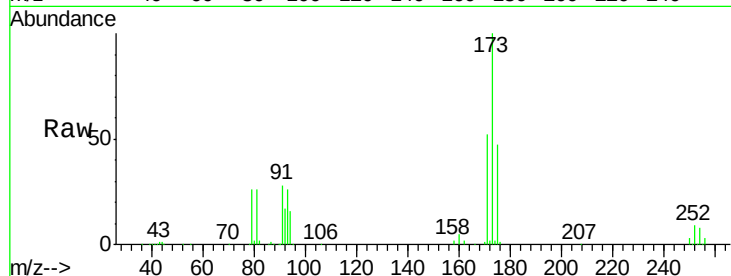
175 47.8 24.3 72.8

254 0.1 0.0 0.0#

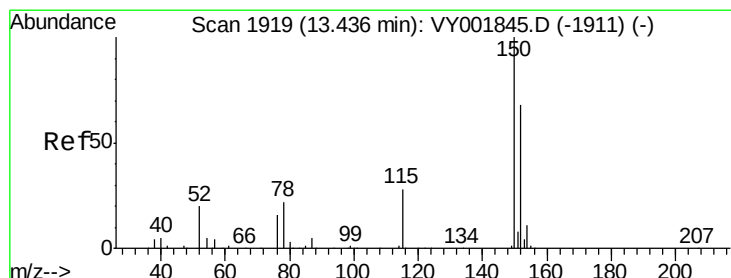
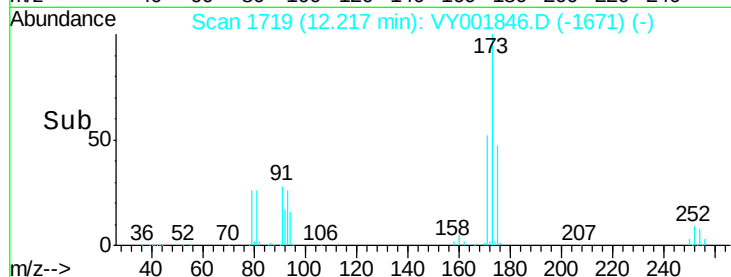
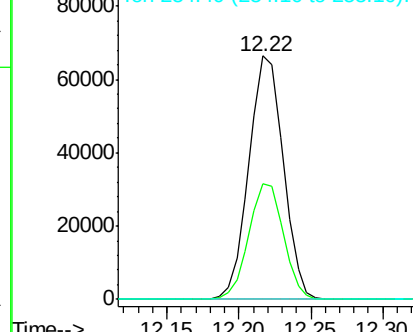
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

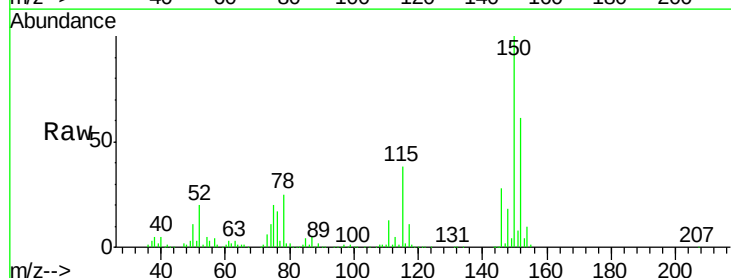
Tgt Ion:152 Resp: 132941

Ion Ratio Lower Upper

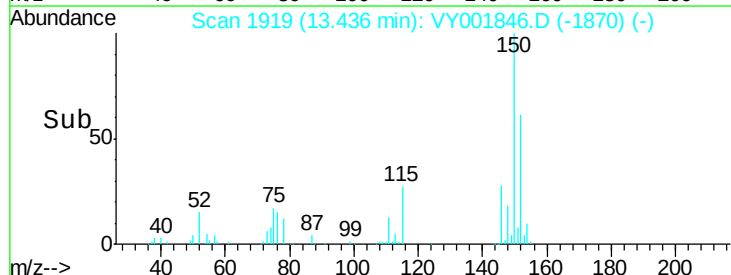
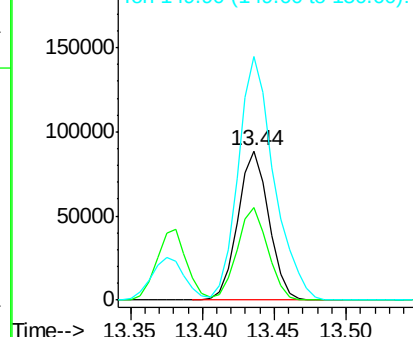
152 100

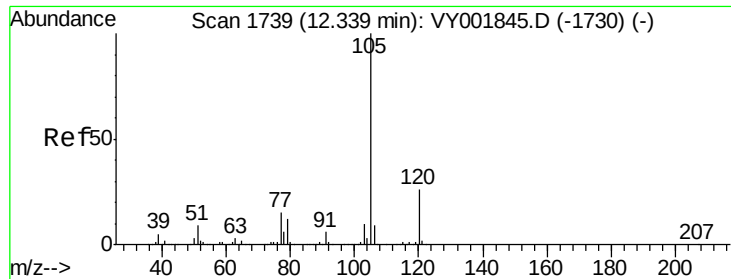
115 61.5 29.9 89.7

150 187.7 0.0 340.6



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





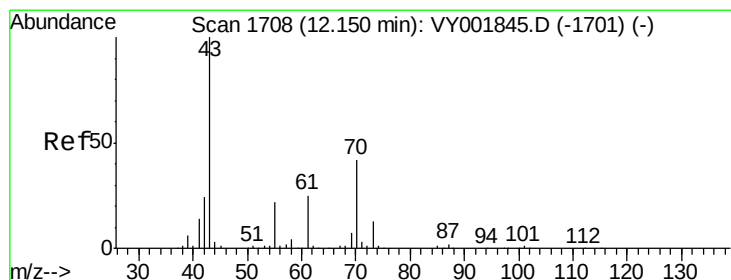
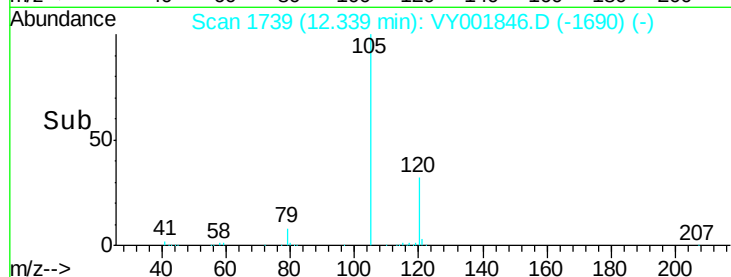
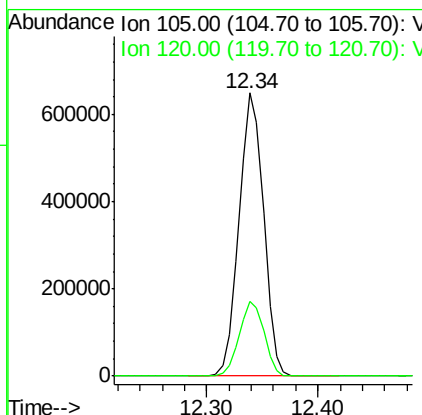
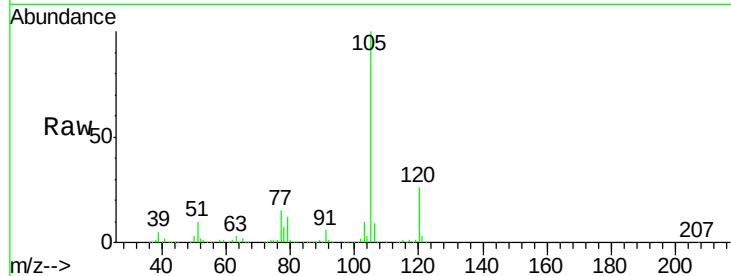
#73
Isopropylbenzene
Concen: 99.114 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

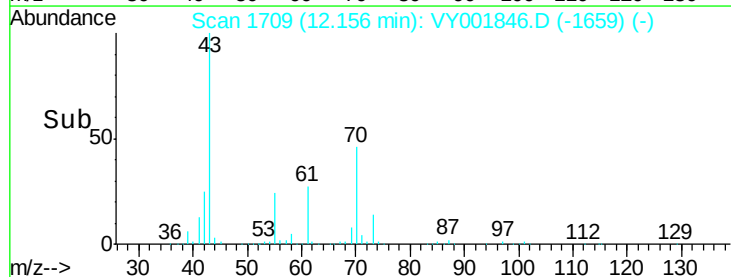
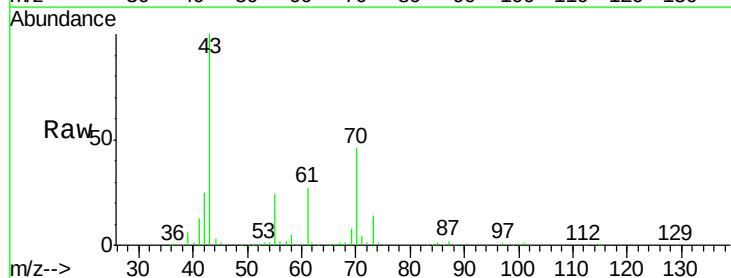
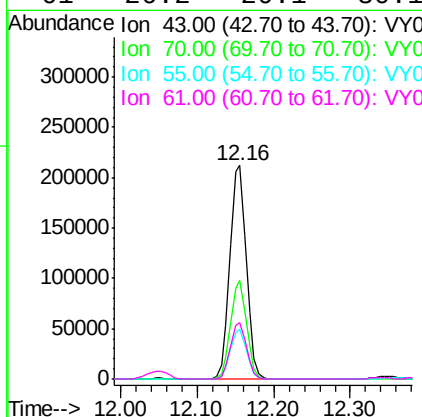
Manual Integrations
APPROVED

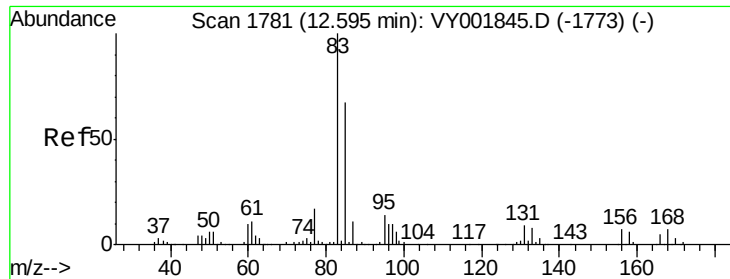
MMDadoda
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#74
N-ethyl acetate
Concen: 102.767 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.7	52.1
55	23.5	18.2	27.4
61	26.2	20.1	30.1





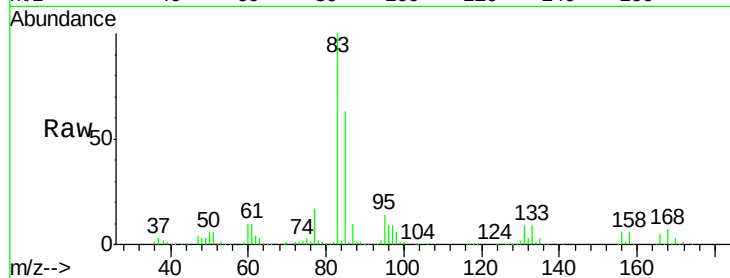
#75
 1,1,2,2-Tetrachloroethane
 Concen: 103.173 ug/l
 RT: 12.59 min Scan# 1781
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

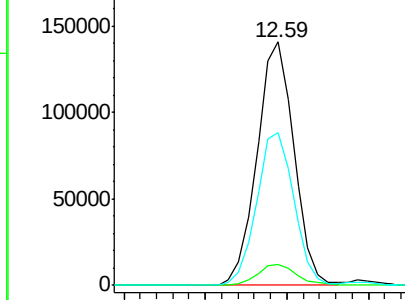
Tot Ion	Ratio	Resp	Lower	Upper
83	100	222044		
131	9.2	4.6	13.8	
85	63.7	32.1	96.3	

Manual Integrations
 APPROVED

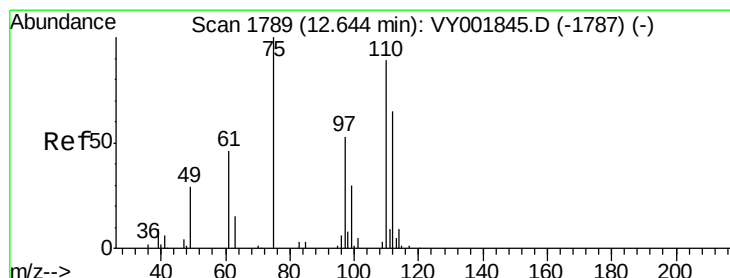
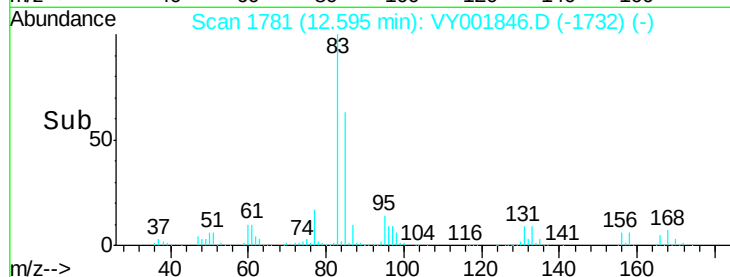
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VY0
 Ion 130.80 (130.50 to 131.50): VY0
 Ion 84.90 (84.60 to 85.60): VY0

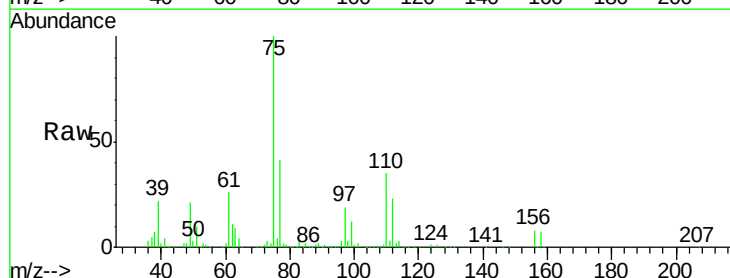


Time--> 12.50 12.55 12.60 12.65

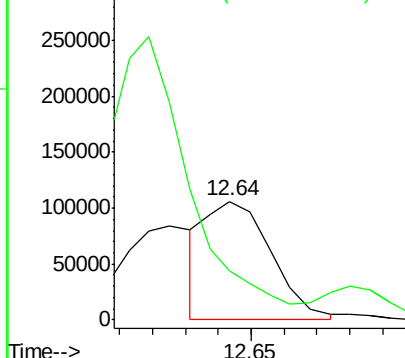


#76
 1,2,3-Trichloropropane
 Concen: 58.400 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

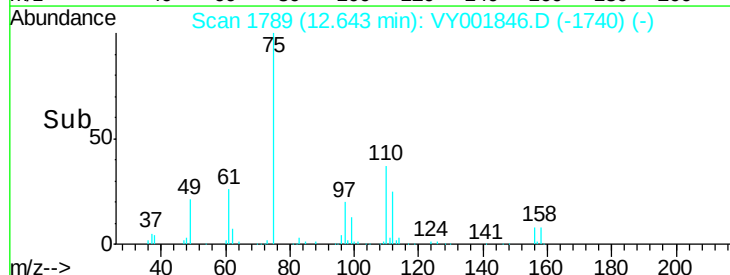
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	147500		
77	0.0	0.0	0.0	

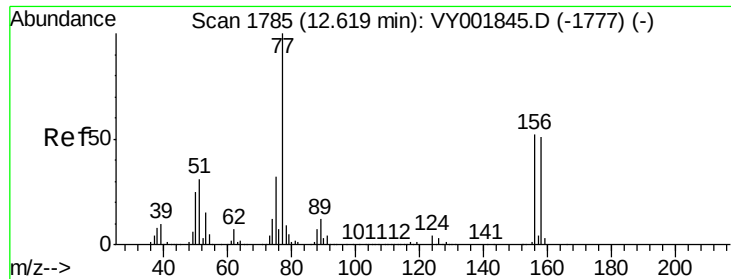


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.65





#77

Bromobenzene

Concen: 97.887 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

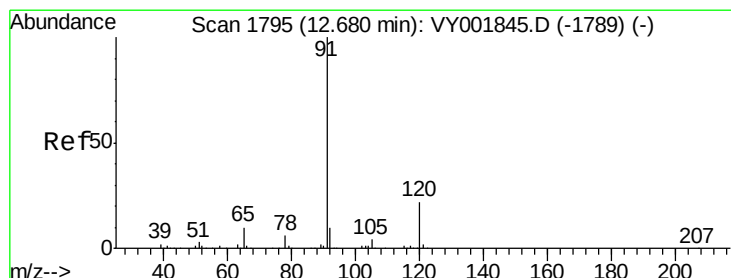
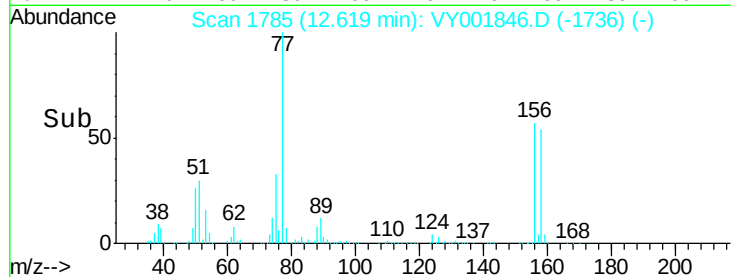
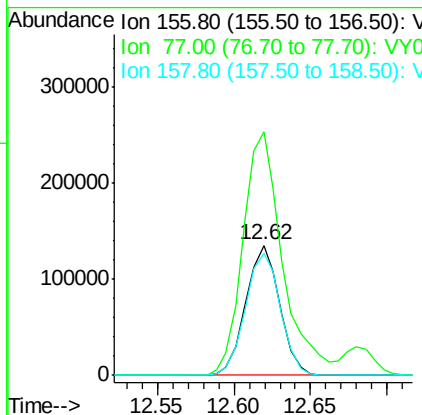
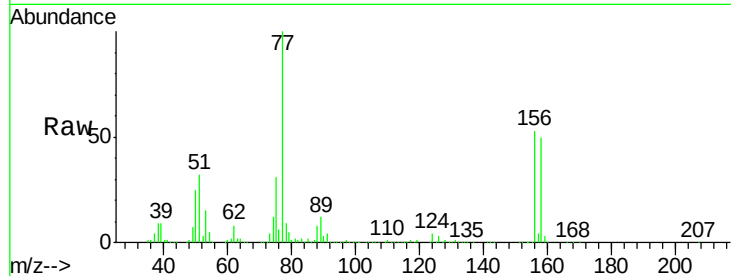
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		207511		
77	218.1	109.0	327.0		
158	97.2	48.9	146.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 98.583 ug/l

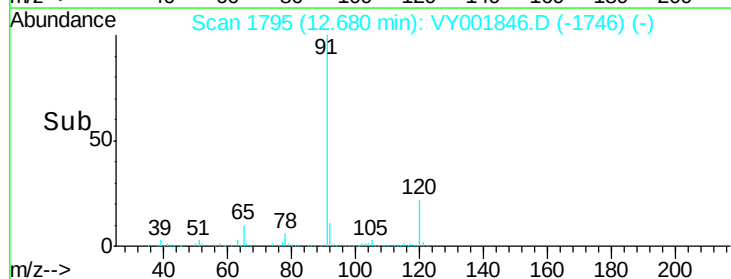
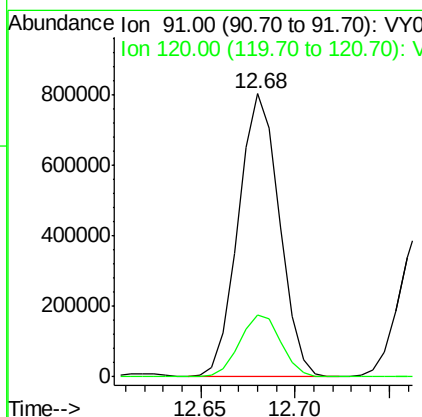
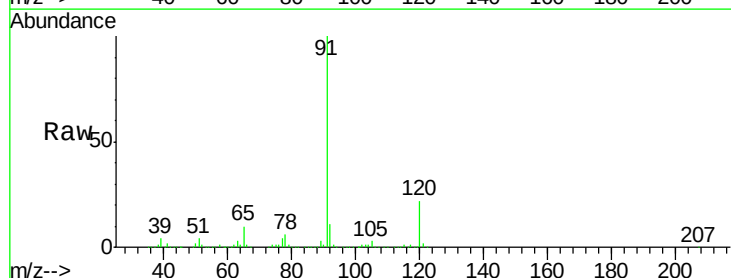
RT: 12.68 min Scan# 1795

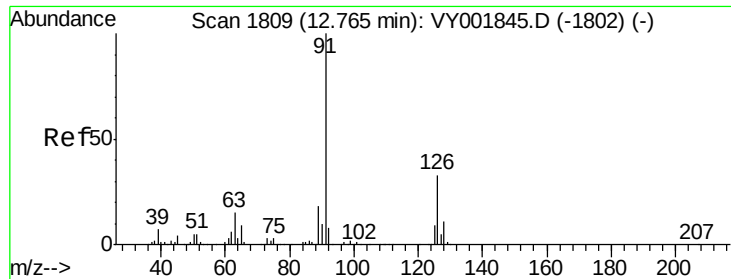
Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1213946		
120	22.2	11.0	33.0		





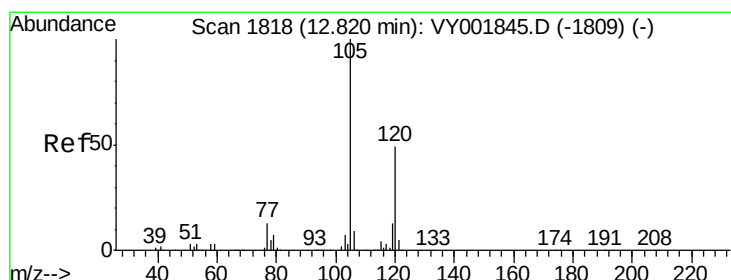
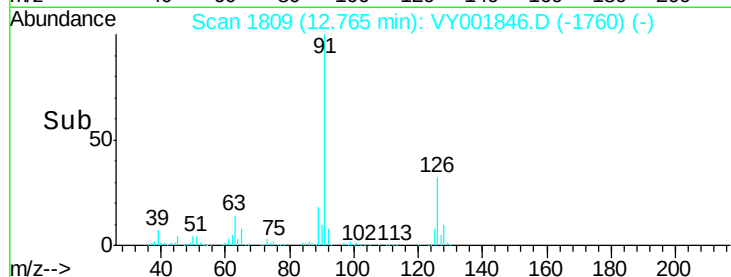
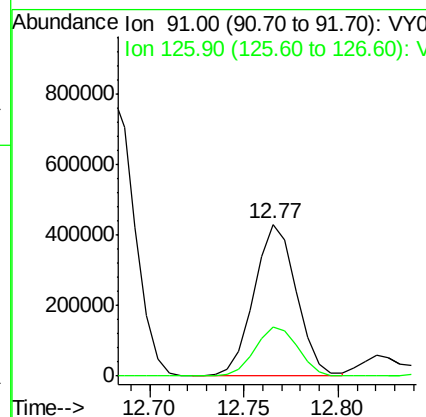
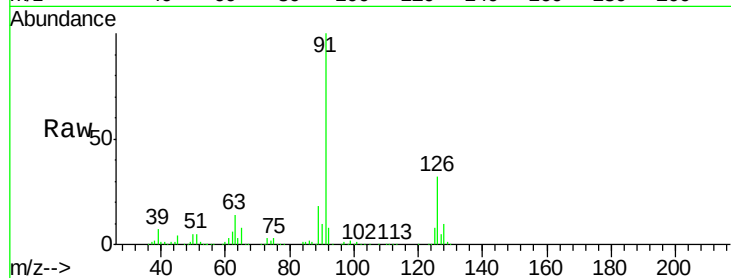
#79
2-Chlorotoluene
Concen: 98.505 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 670893
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.8

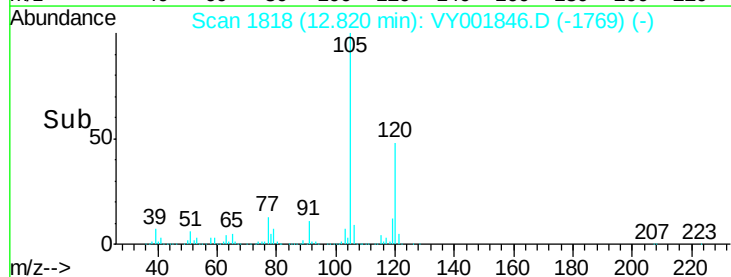
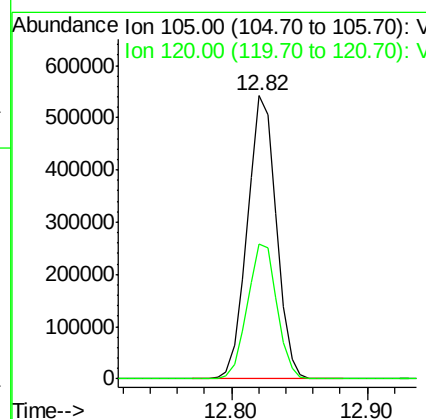
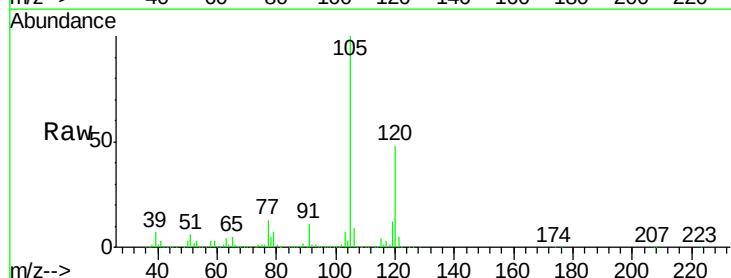
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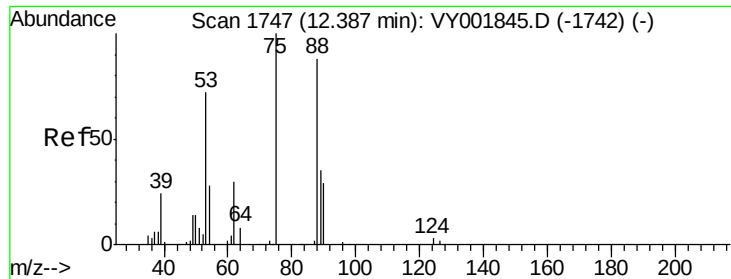
MMDadoda
3/5/2020 1:37:11 PM



#80
1,3,5-Trimethylbenzene
Concen: 98.763 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion: 105 Resp: 807443
Ion Ratio Lower Upper
105 100
120 48.5 24.4 73.2





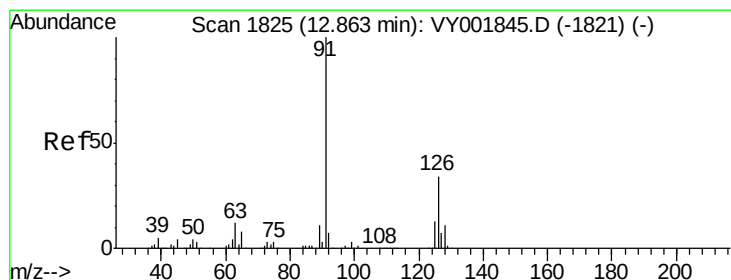
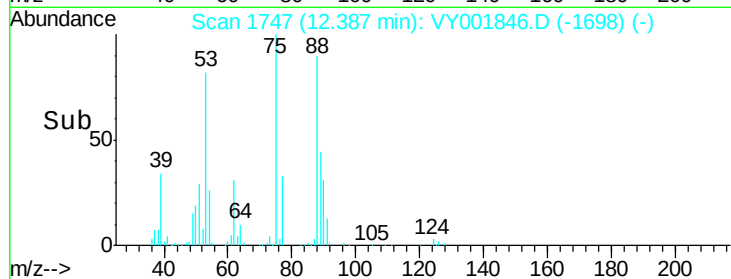
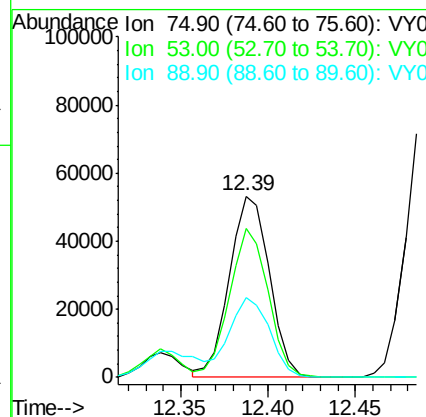
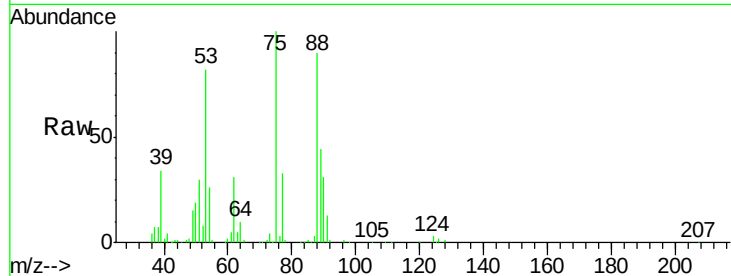
#81
trans-1,4-Dichloro-2-butene
Concen: 108.978 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.4	65.4	98.0
89	45.3	36.0	54.0

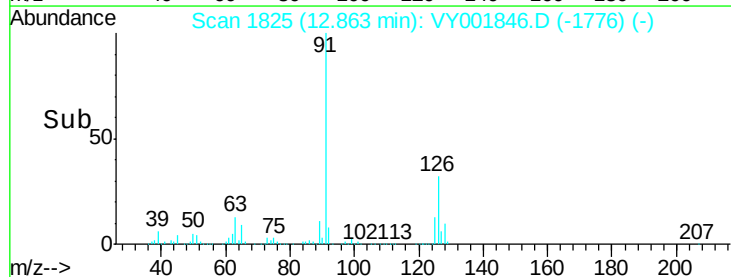
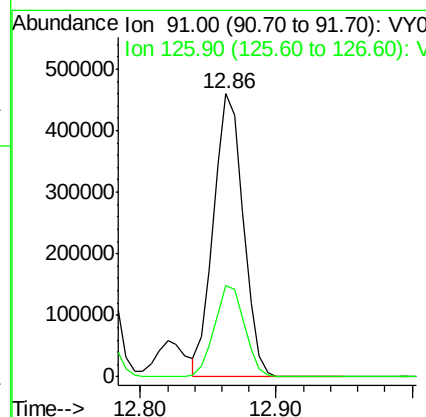
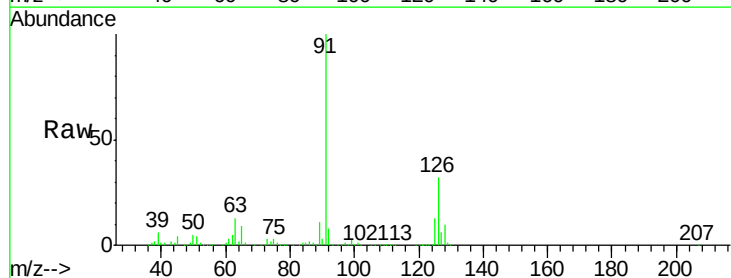
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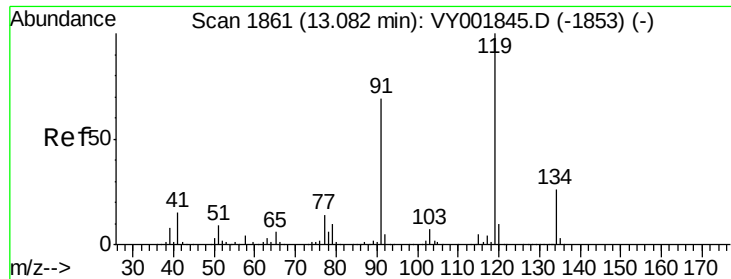
MMDadoda
3/5/2020 1:37:11 PM



#82
4-Chlorotoluene
Concen: 98.608 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2





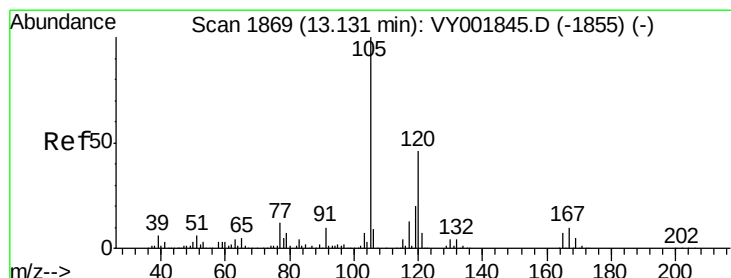
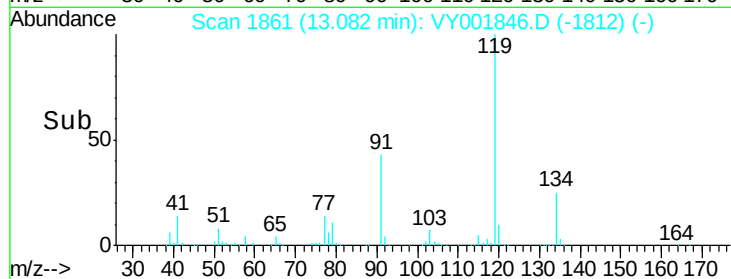
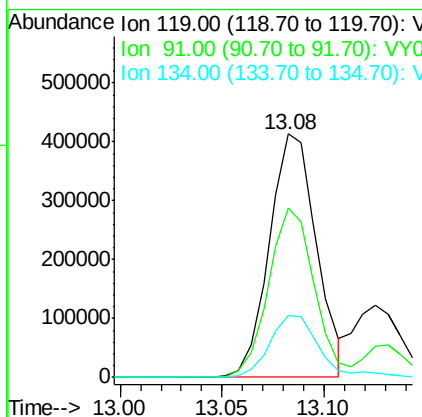
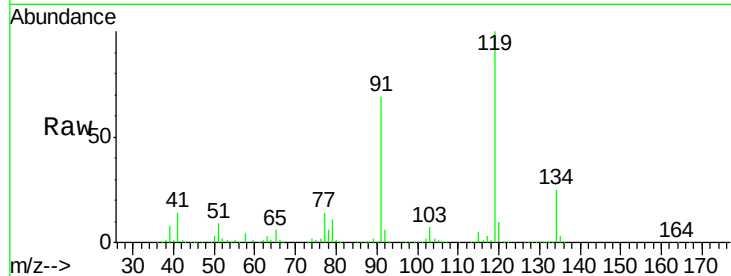
#83
tert-Butylbenzene
Concen: 97.180 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.0	101.8
134	27.1	13.5	40.4

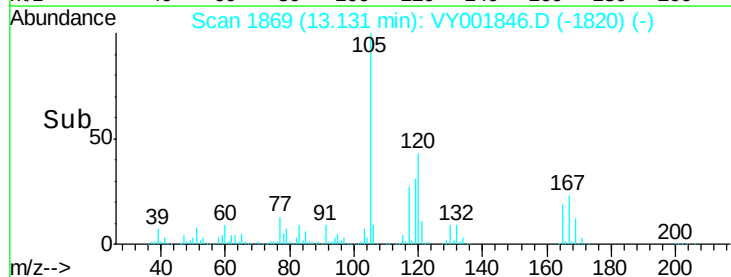
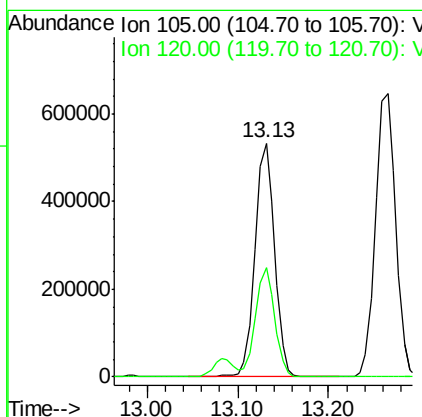
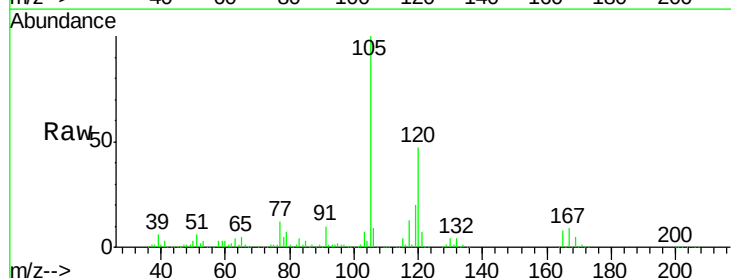
Manual Integrations
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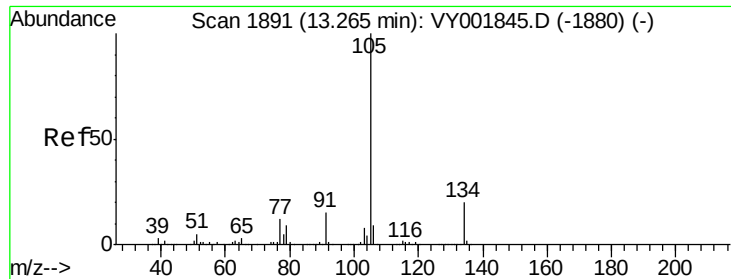
MMDadoda
3/5/2020 1:37:11 PM



#84
1,2,4-Trimethylbenzene
Concen: 97.601 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 98.735 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 995884

Ion Ratio Lower Upper

105 100

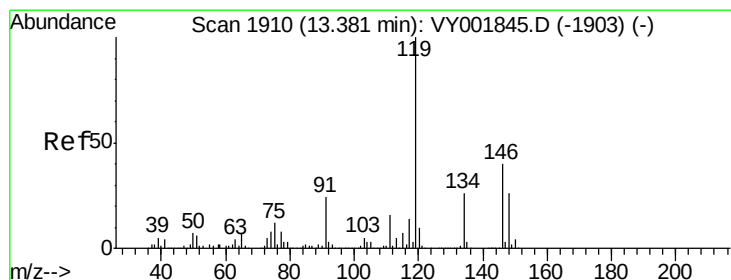
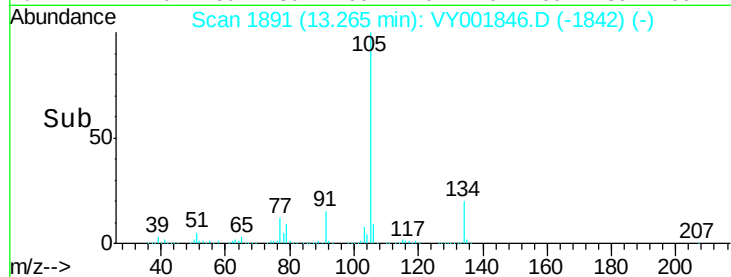
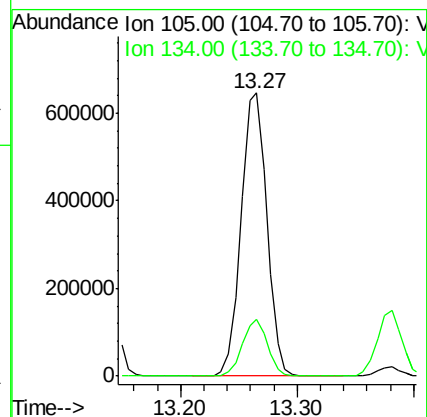
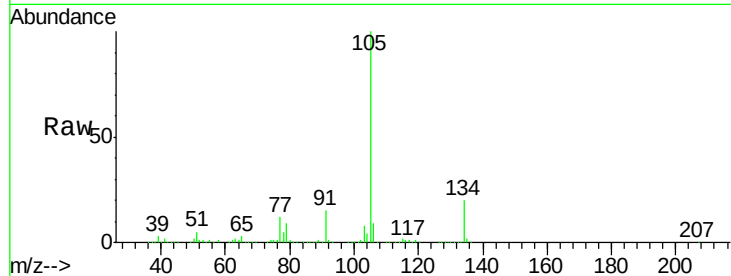
134 19.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 98.100 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

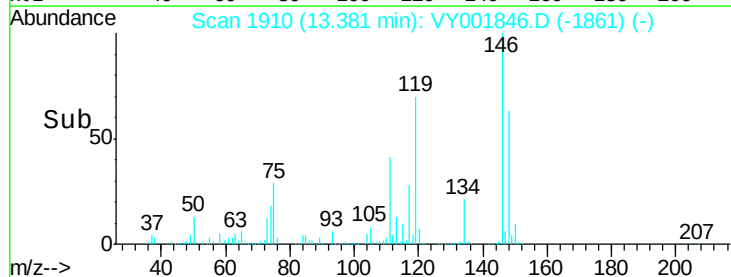
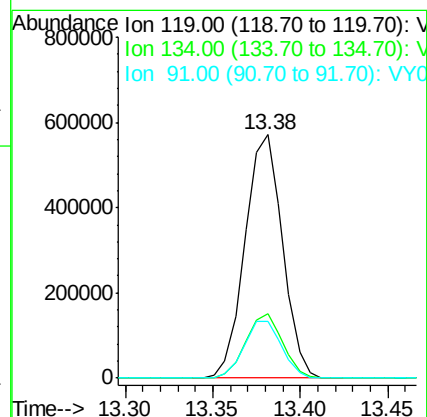
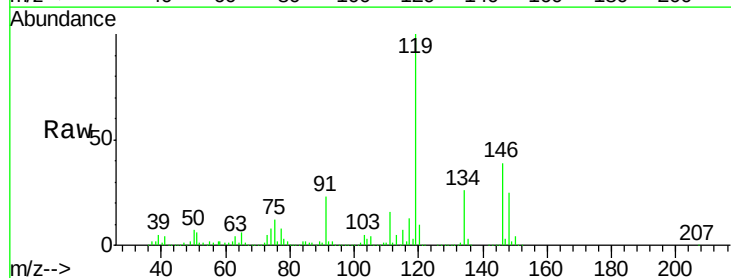
Tgt Ion:119 Resp: 849782

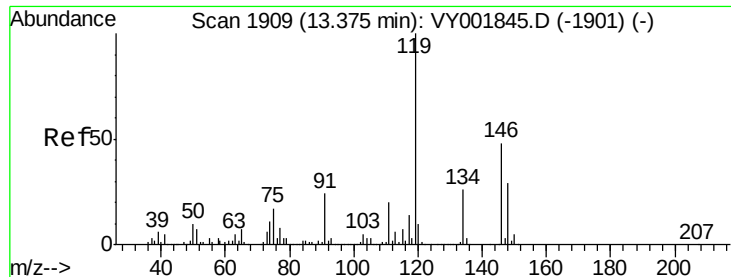
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 23.7 11.9 35.7





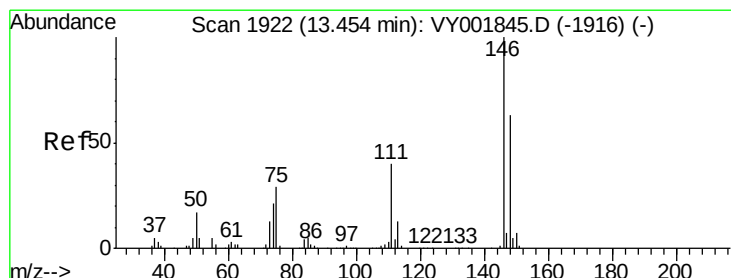
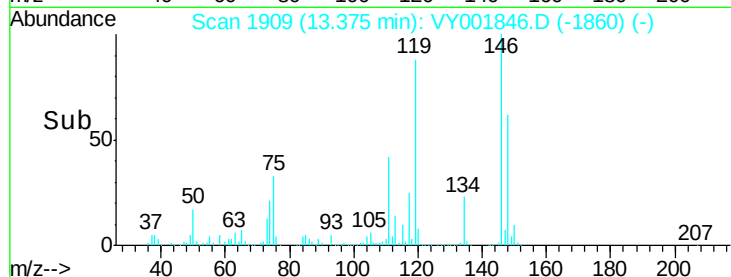
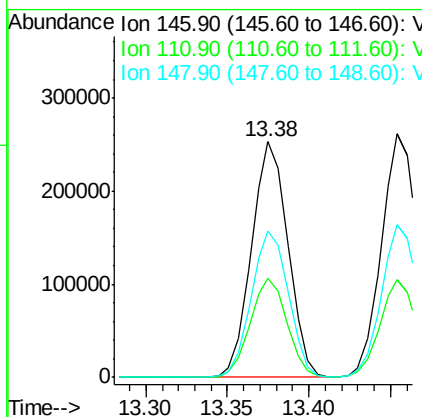
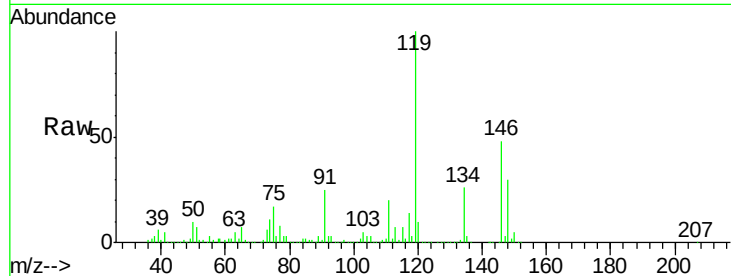
#87
 1,3-Dichlorobenzene
 Concen: 94.620 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.5
148	63.2	31.4	94.0

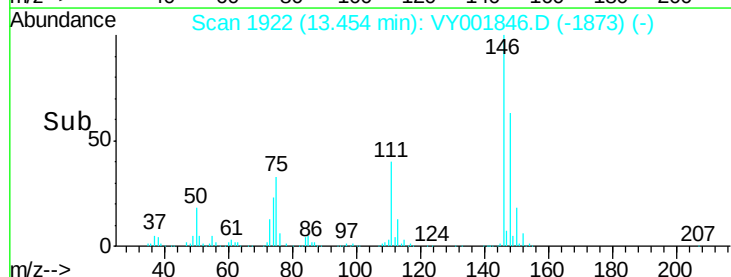
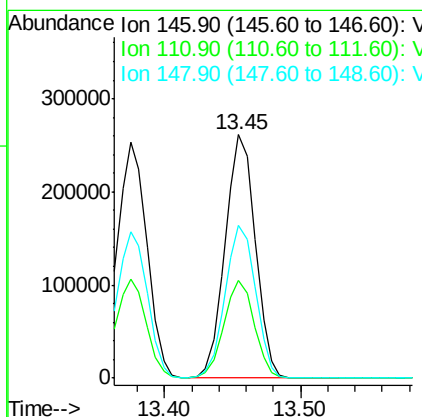
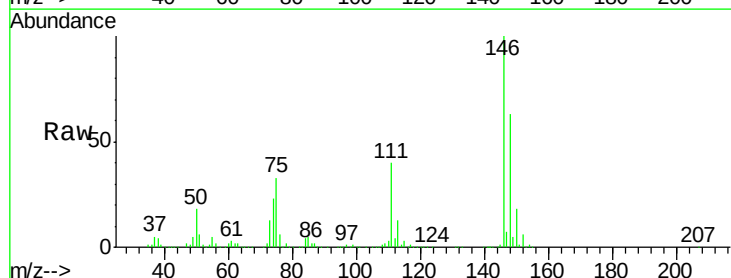
Manual Integrations
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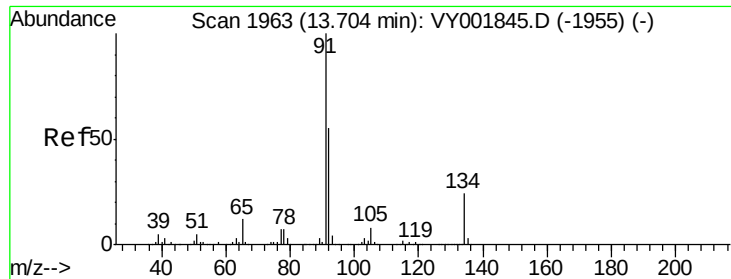
MMDadoda
 3/5/2020 1:37:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 96.123 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.4	31.5	94.5





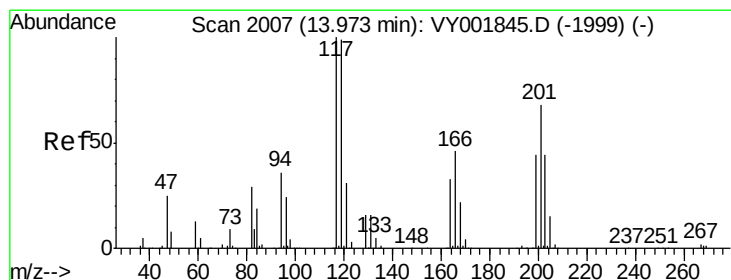
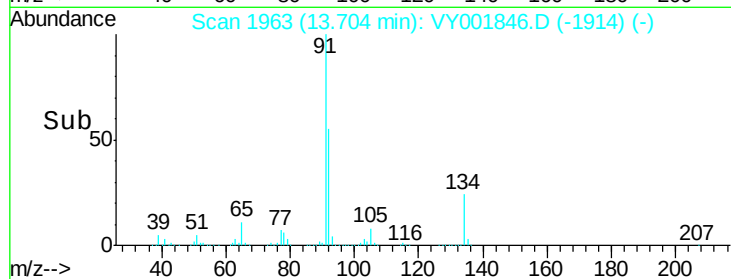
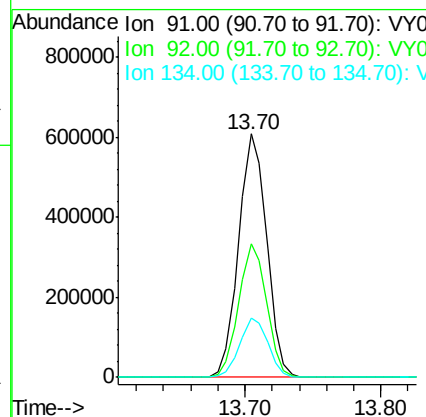
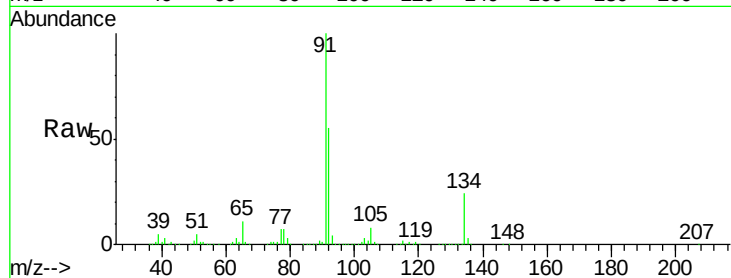
#89
n-Butylbenzene
Concen: 97.695 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.6	12.5	37.5

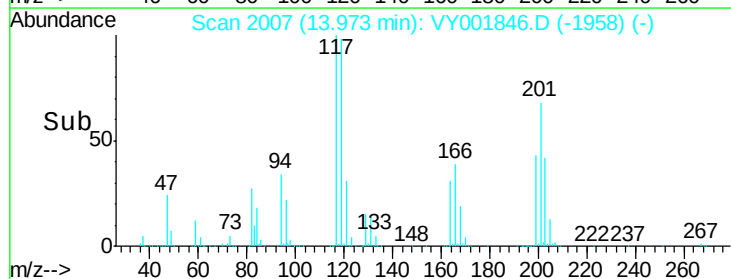
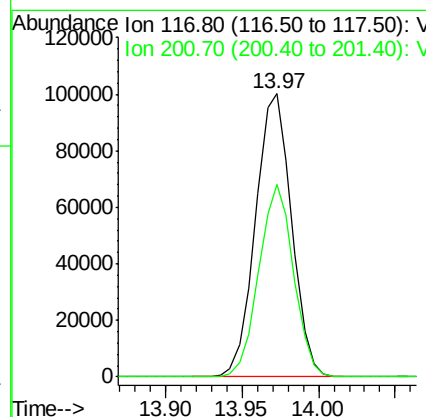
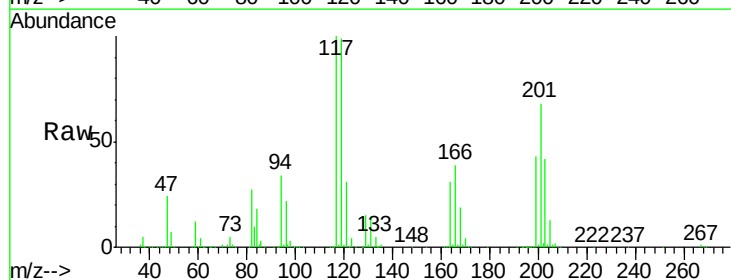
Manual Integrations
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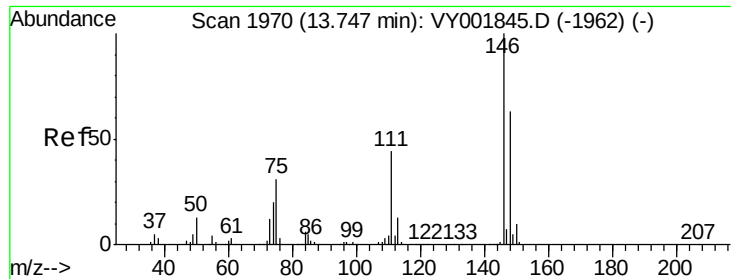
MMDadoda
3/5/2020 1:37:11 PM



#90
Hexachloroethane
Concen: 100.995 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	32.5	97.5





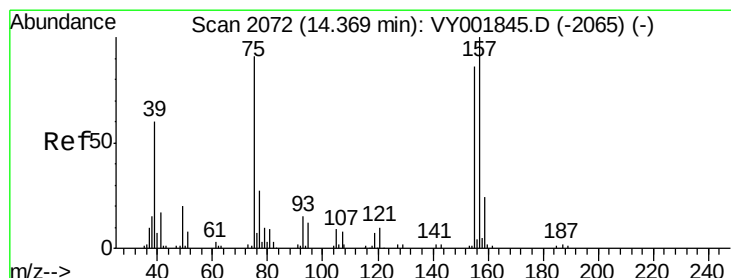
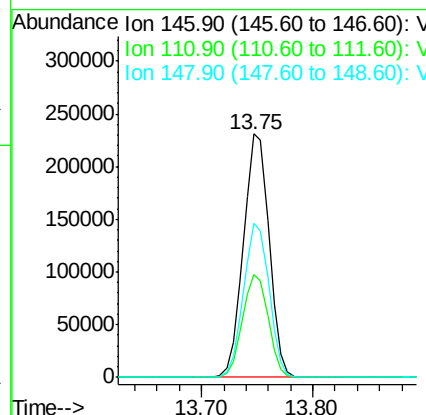
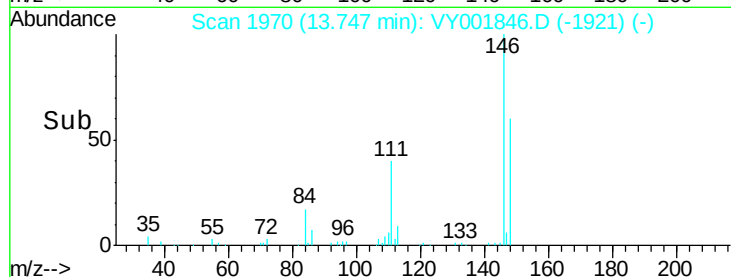
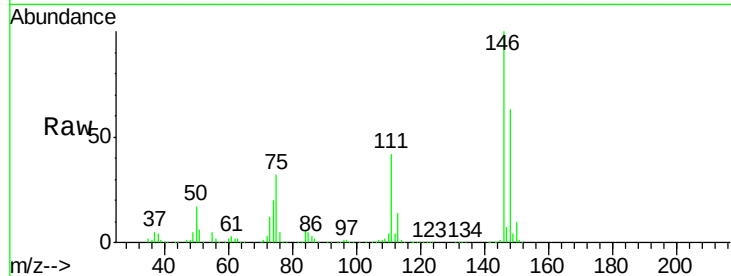
#91
 1,2-Dichlorobenzene
 Concen: 98.314 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	62.9	32.0	96.0

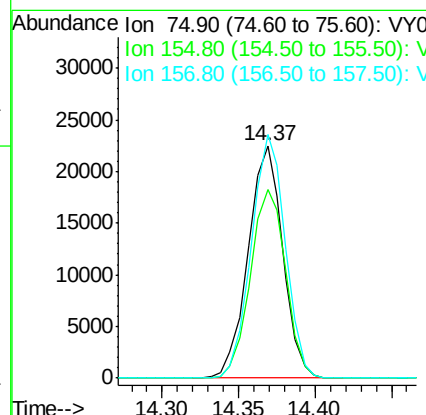
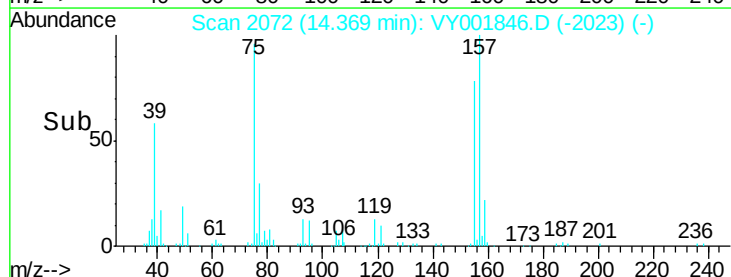
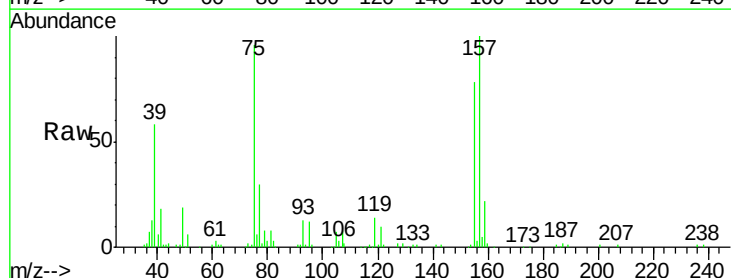
Manual Integrations
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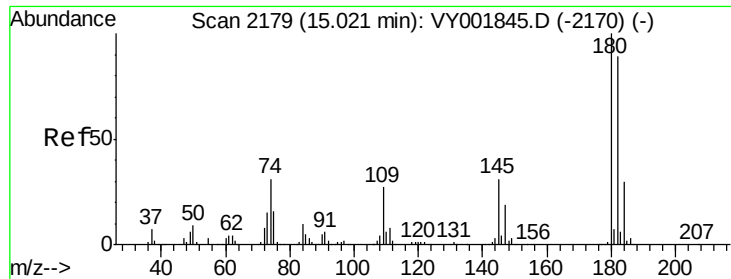
MMDadoda
 3/5/2020 1:37:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 105.614 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001846.D
 Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.9	128.7
157	102.4	53.1	159.4





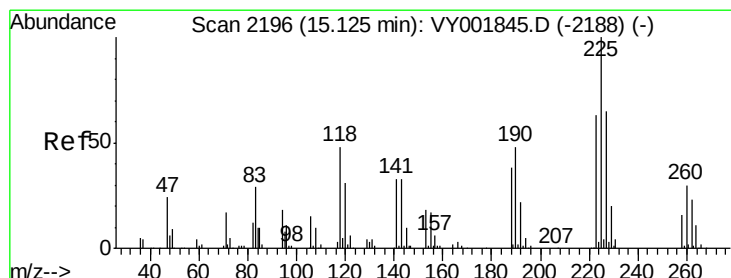
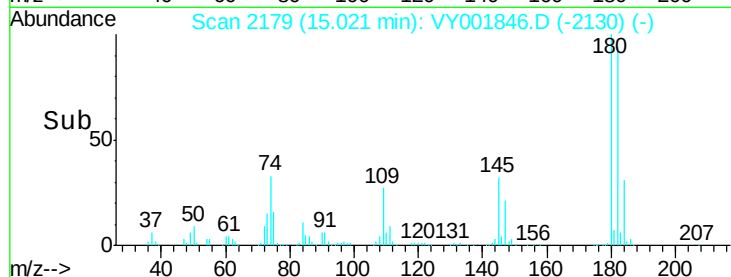
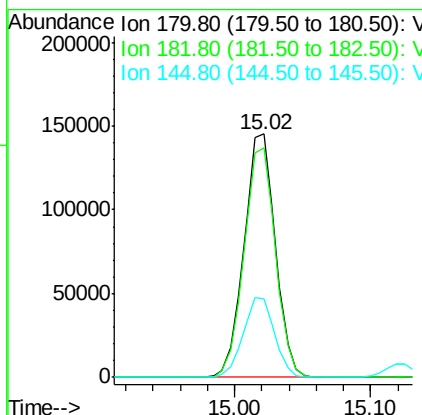
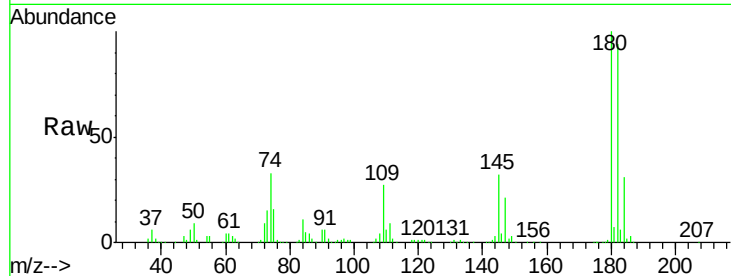
#93
1,2,4-Trichlorobenzene
Concen: 95.209 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	233385		
182	95.0	46.1	138.3	
145	32.8	15.6	46.8	

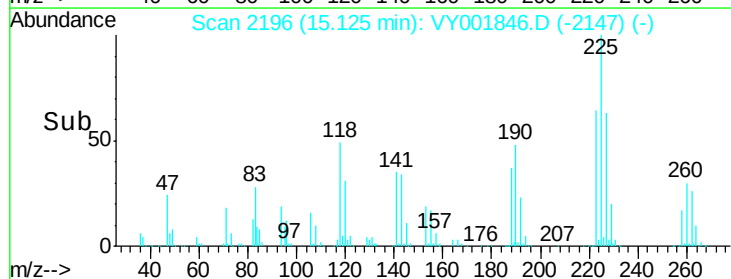
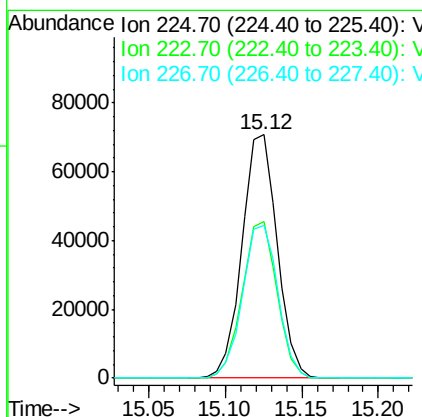
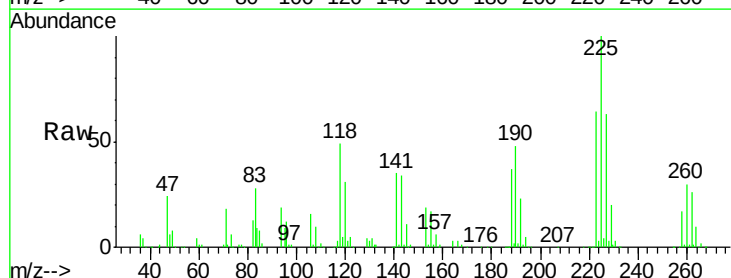
Manual Integrations
APPROVED

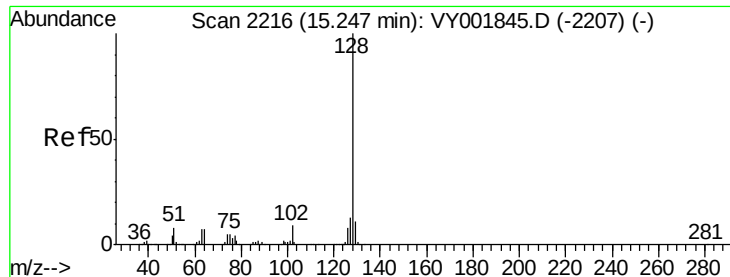
MMDadoda
3/5/2020 1:37:11 PM



#94
Hexachlorobutadiene
Concen: 94.803 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VY001846.D
Acq: 04 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113037		
223	63.6	31.5	94.5	
227	63.4	31.9	95.5	





#95

Naphthalene

Concen: 102.175 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Instrument :

MSVOA_Y

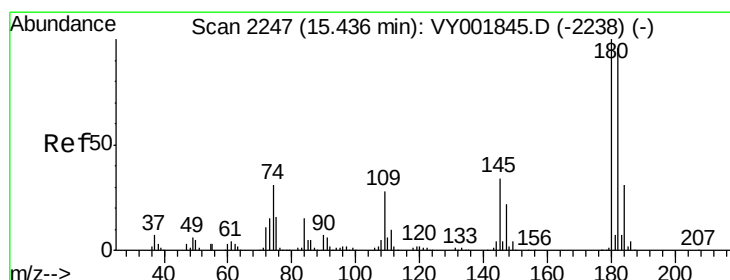
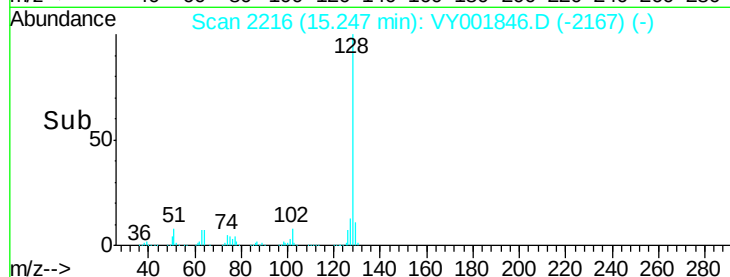
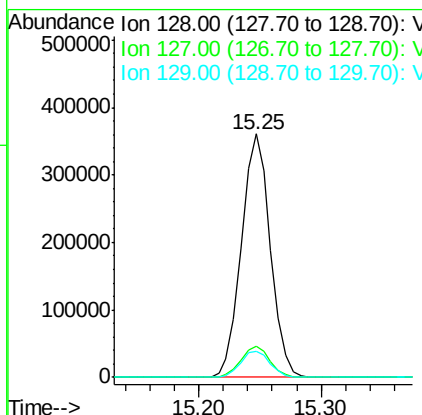
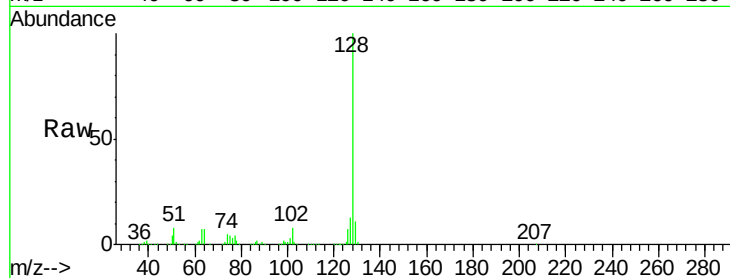
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	589068
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 97.775 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY001846.D

Acq: 04 Mar 2020 11:54

Tgt Ion:	180	Resp:	211728
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.6	142.9
145	33.7	16.8	50.3

