

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001639.D
 Acq On : 17 Feb 2020 11:29
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:04 AM

Quant Time: Feb 17 12:15:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	201094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	364164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	328793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	150803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	228331	111.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.82%	
35) Dibromofluoromethane	7.75	113	208528	99.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.40%	
50) Toluene-d8	10.19	98	876873	110.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.22%	
62) 4-Bromofluorobenzene	12.49	95	321129	102.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	212335	107.162	ug/l	98
3) Chloromethane	2.13	50	263704	122.022	ug/l	100
4) Vinyl Chloride	2.26	62	272219	122.226	ug/l	99
5) Bromomethane	2.65	94	163240	116.988	ug/l	100
6) Chloroethane	2.80	64	164446	122.443	ug/l	100
7) Trichlorofluoromethane	3.15	101	343078	97.724	ug/l	98
8) Diethyl Ether	3.55	74	133108	109.288	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	214141	100.714	ug/l	100
10) Methyl Iodide	4.11	142	283378	104.772	ug/l	99
11) Tert butyl alcohol	5.00	59	122583	386.180	ug/l	100
12) 1,1-Dichloroethene	3.90	96	218625	103.284	ug/l	96
13) Acrolein	3.76	56	109490	558.377	ug/l	100
14) Allyl chloride	4.51	41	395706	118.316	ug/l	99
15) Acrylonitrile	5.20	53	356394	618.923	ug/l	100
16) Acetone	3.97	43	426756	673.268	ug/l	100
17) Carbon Disulfide	4.22	76	742374	109.048	ug/l	99
18) Methyl Acetate	4.51	43	161130	121.616	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	623225	109.068	ug/l	99
20) Methylene Chloride	4.75	84	243511	92.263	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	251214	106.117	ug/l	97
22) Diisopropyl ether	6.16	45	824381	123.662	ug/l	96
23) Vinyl Acetate	6.10	43	2742254	638.828	ug/l	100
24) 1,1-Dichloroethane	6.05	63	433923	110.699	ug/l	99
25) 2-Butanone	7.02	43	563368	684.499	ug/l	99
26) 2,2-Dichloropropane	7.02	77	366193	99.181	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	276139	106.567	ug/l	99
28) Bromochloromethane	7.36	49	201154	145.406	ug/l	100
29) Tetrahydrofuran	7.38	42	320183	655.393	ug/l	98
30) Chloroform	7.53	83	415198	105.629	ug/l	98
31) Cyclohexane	7.81	56	444057	110.294	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	358414	101.739	ug/l	100
36) 1,1-Dichloropropene	7.94	75	346606	103.505	ug/l	100
37) Ethyl Acetate	7.10	43	207627	121.925	ug/l	99
38) Carbon Tetrachloride	7.93	117	305323	95.729	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	465789	105.773	ug/l	98
40) Benzene	8.19	78	1024913	106.715	ug/l	100
41) Methacrylonitrile	7.35	41	92149m	120.859	ug/l	
42) 1,2-Dichloroethane	8.26	62	280984	104.857	ug/l	98
43) Isopropyl Acetate	8.30	43	405340	120.653	ug/l	100
44) Trichloroethene	8.96	130	252034	98.602	ug/l	99
45) 1,2-Dichloropropane	9.24	63	258692	110.721	ug/l	99
46) Dibromomethane	9.32	93	135167	103.906	ug/l	99
47) Bromodichloromethane	9.51	83	326098	103.365	ug/l	98
48) Methyl methacrylate	9.31	41	184719	121.424	ug/l	98
49) 1,4-Dioxane	9.32	88	39386	2247.926	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1042940	623.346	ug/l	99
52) Toluene	10.25	92	642710	105.455	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	371759	107.181	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	424334	107.180	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	202910	107.999	ug/l	97
56) Ethyl methacrylate	10.52	69	316856	116.973	ug/l	97
57) 1,3-Dichloropropane	10.80	76	352799	106.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	555520	567.133	ug/l	99
59) 2-Hexanone	10.84	43	814166	659.254	ug/l	98
60) Dibromochloromethane	11.00	129	224907	102.693	ug/l	98
61) 1,2-Dibromoethane	11.10	107	193255	105.033	ug/l	99
64) Tetrachloroethene	10.73	164	200722	94.241	ug/l	99
65) Chlorobenzene	11.52	112	650766	100.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	217649	96.845	ug/l	99
67) Ethyl Benzene	11.60	91	1210883	101.364	ug/l	100
68) m/p-Xylenes	11.71	106	900593	200.713	ug/l	99
69) o-Xylene	12.03	106	432210	102.075	ug/l	99
70) Styrene	12.05	104	761198	103.695	ug/l	99
71) Bromoform	12.21	173	133461	105.378	ug/l #	99
73) Isopropylbenzene	12.33	105	1169500	102.246	ug/l	100
74) N-amyl acetate	12.15	43	379503	121.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	258234	114.949	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	176937m	109.459	ug/l	
77) Bromobenzene	12.61	156	246863	99.744	ug/l	98
78) n-propylbenzene	12.67	91	1426724	103.562	ug/l	99
79) 2-Chlorotoluene	12.76	91	802911	102.714	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	964061	100.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	98773	114.432	ug/l #	81
82) 4-Chlorotoluene	12.86	91	837369	101.608	ug/l	99
83) tert-Butylbenzene	13.08	119	790997	97.356	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	947098	99.174	ug/l	99
85) sec-Butylbenzene	13.26	105	1181204	102.770	ug/l	99
86) p-Isopropyltoluene	13.37	119	997990	98.598	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	468979	98.219	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	481332	100.674	ug/l	99
89) n-Butylbenzene	13.70	91	1046341	104.126	ug/l	100
90) Hexachloroethane	13.96	117	197812	101.997	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	438810	101.257	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	42402	103.902	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	283126	96.923	ug/l	98
94) Hexachlorobutadiene	15.11	225	138028	94.082	ug/l	99
95) Naphthalene	15.23	128	694647	100.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	251986	97.451	ug/l	98

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

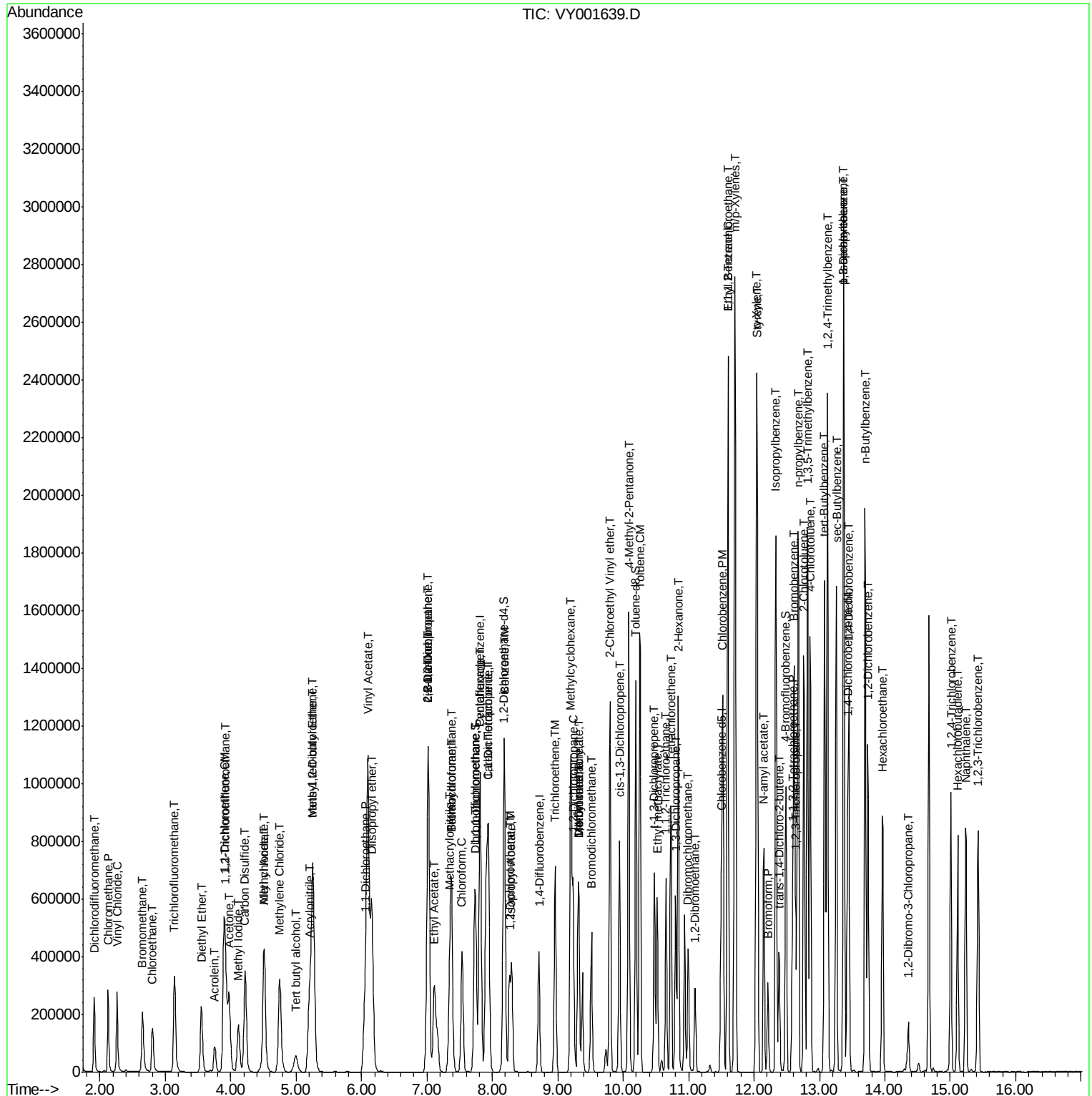
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Data File : VY001639.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 201094

Ion Ratio Lower Upper

168 100

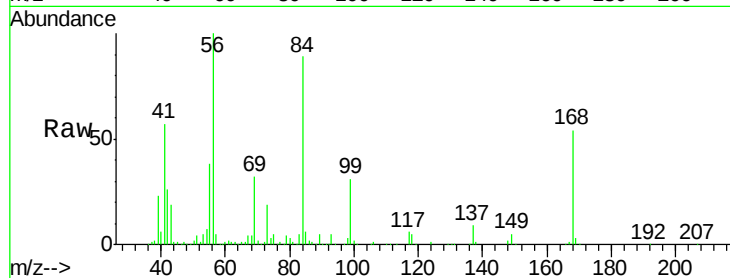
99 57.7 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

100000

80000

60000

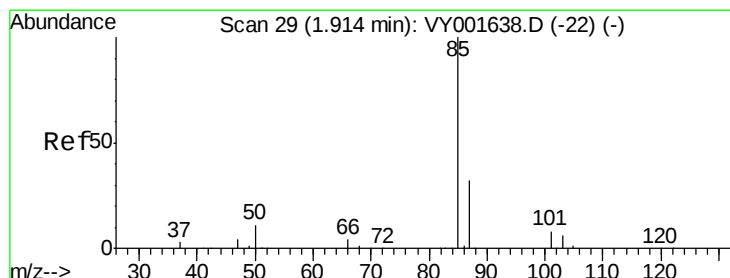
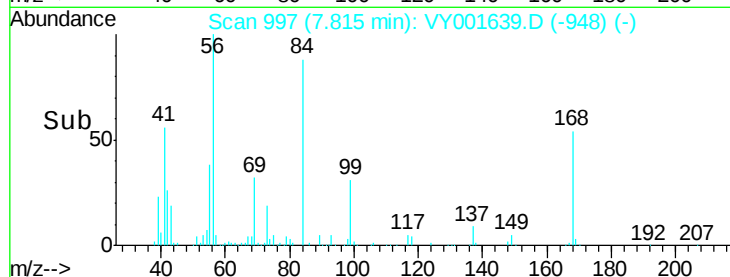
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 107.162 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001639.D

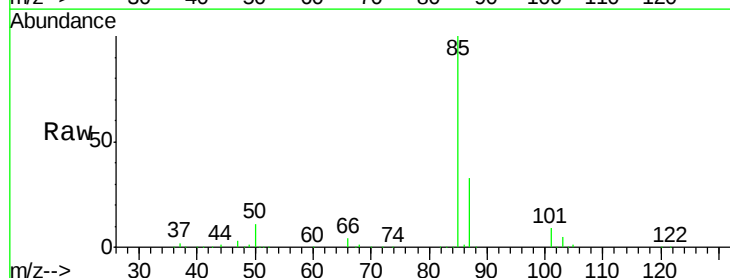
Acq: 17 Feb 2020 11:29

Tgt Ion: 85 Resp: 212335

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

150000

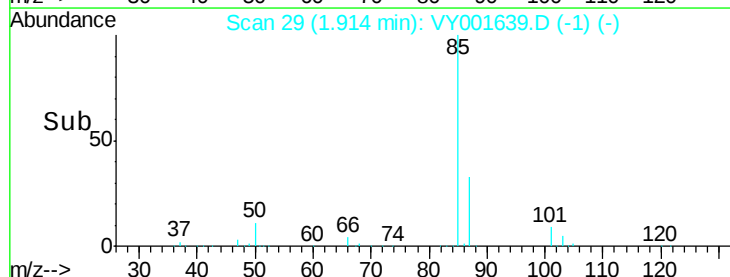
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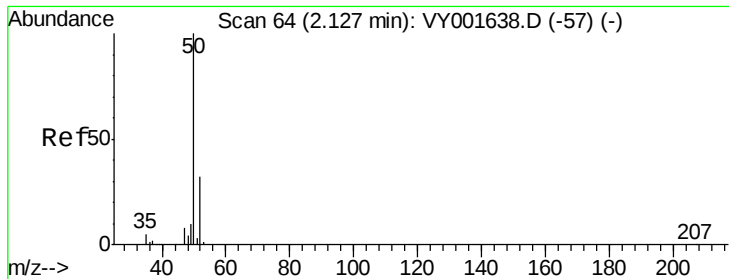
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 122.022 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 263704

Ion Ratio Lower Upper

50 100

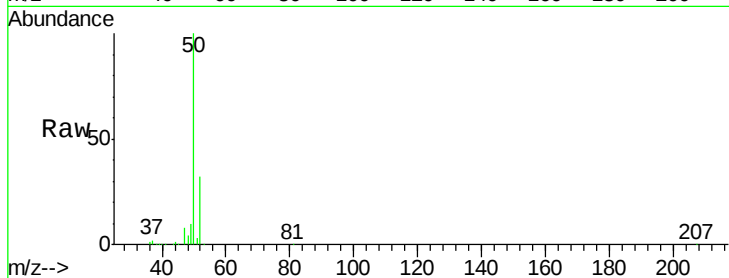
52 32.3 25.9 38.9

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

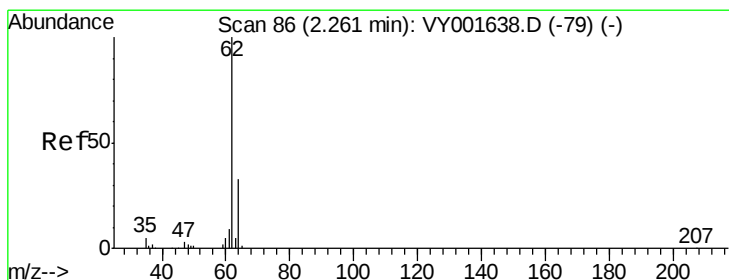
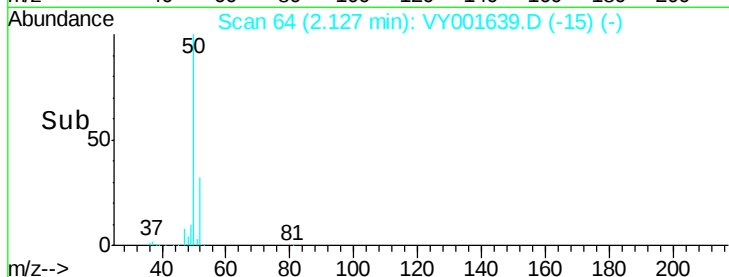
100000

50000

0

2.10 2.20

Time-->



#4

Vinyl Chloride

Concen: 122.226 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001639.D

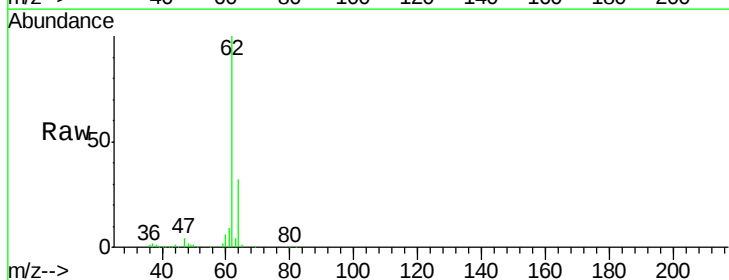
Acq: 17 Feb 2020 11:29

Tgt Ion: 62 Resp: 272219

Ion Ratio Lower Upper

62 100

64 32.3 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

150000

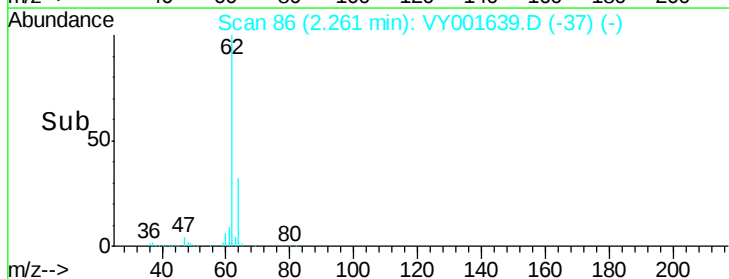
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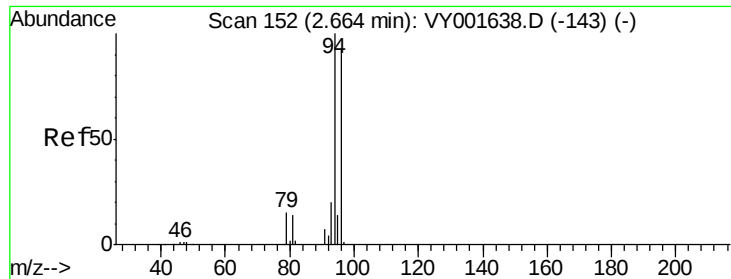
50000

0

2.20 2.30 2.40

Time-->





#5

Bromomethane

Concen: 116.988 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 163240

Ion Ratio Lower Upper

94 100

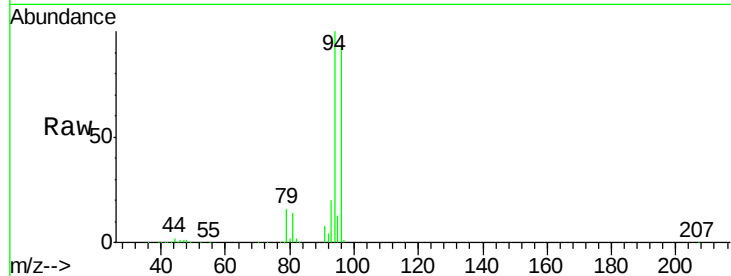
96 93.1 74.1 111.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

80000

60000

40000

20000

0

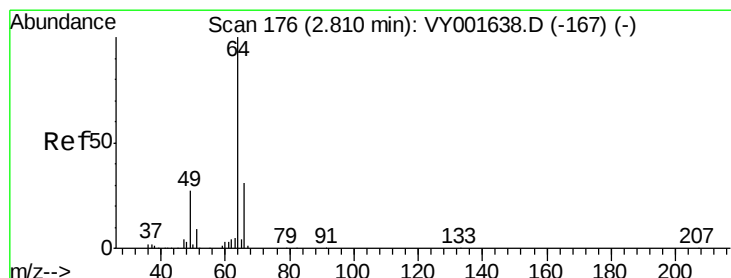
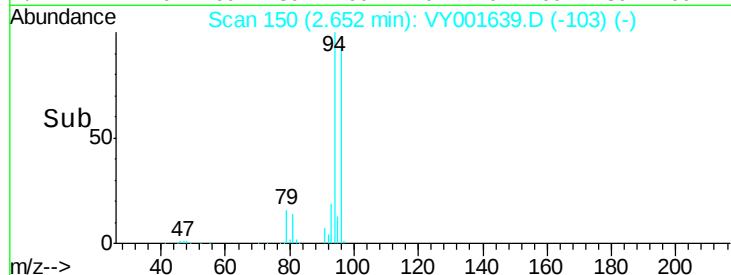
Time-->

2.50

2.60

2.70

2.80



#6

Chloroethane

Concen: 122.443 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001639.D

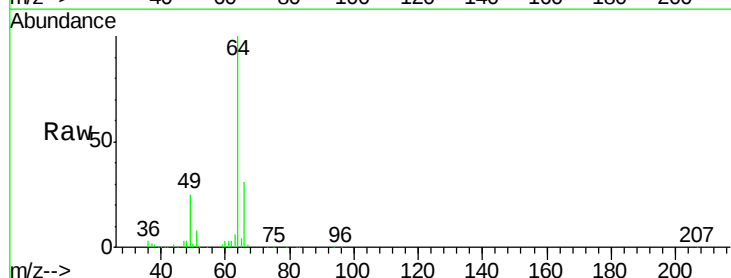
Acq: 17 Feb 2020 11:29

Tgt Ion: 64 Resp: 164446

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

80000

60000

40000

20000

0

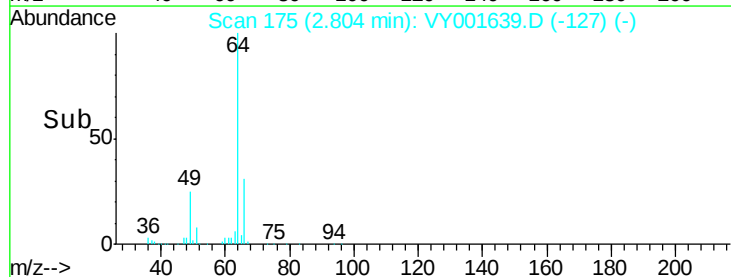
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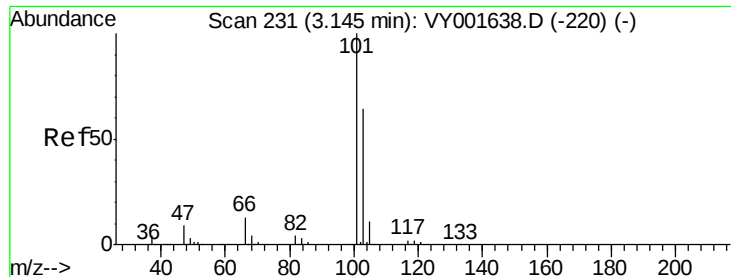
2.70

2.80

2.90

3.00





#7

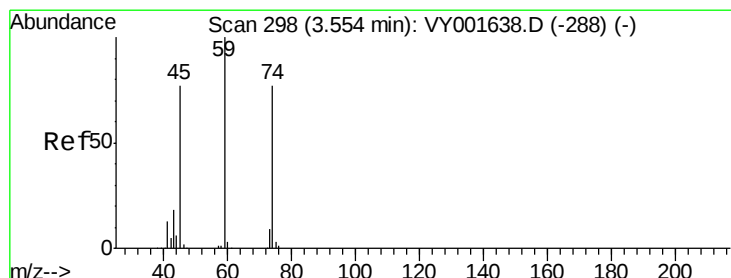
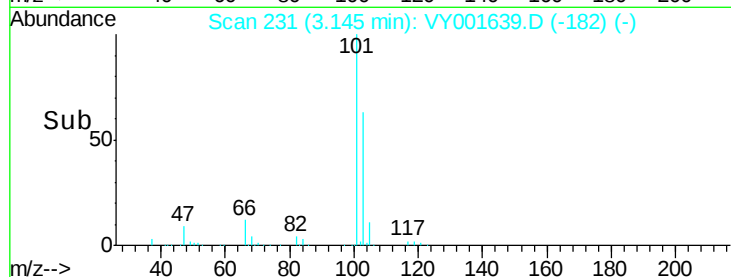
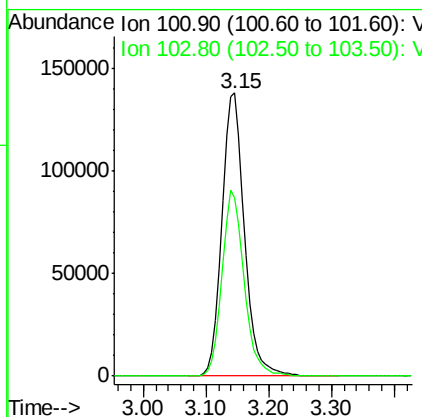
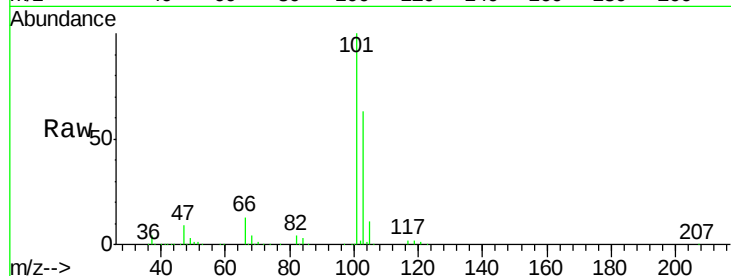
Trichlorofluoromethane
 Concen: 97.724 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.6	77.4

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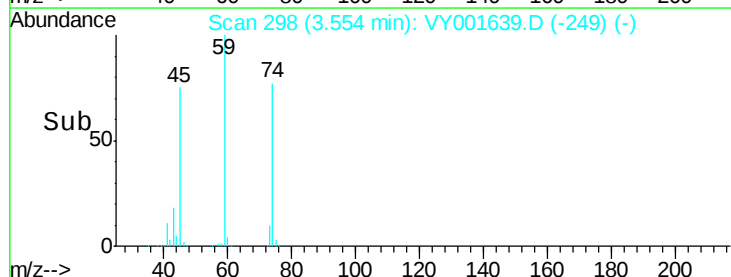
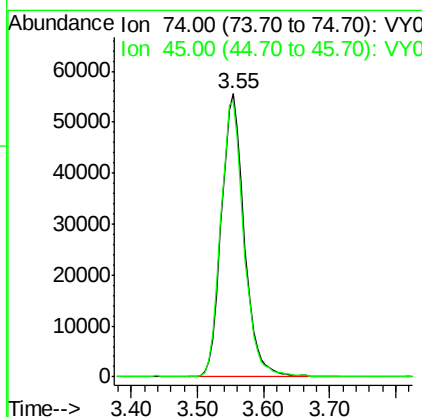
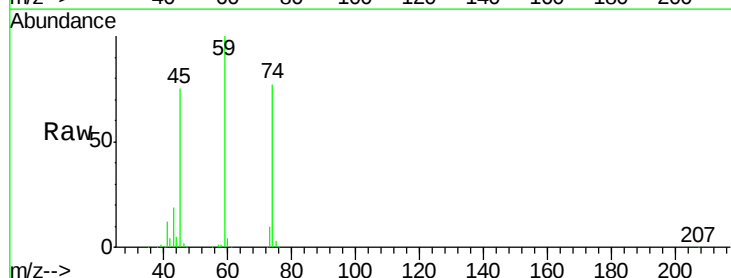
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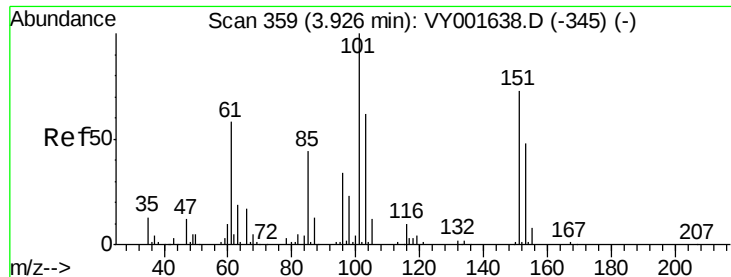


#8

Diethyl Ether
 Concen: 109.288 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.714 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001639.D

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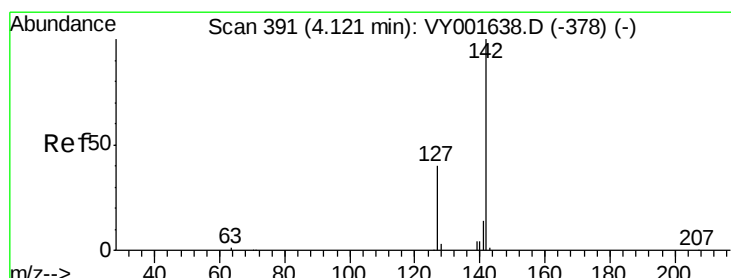
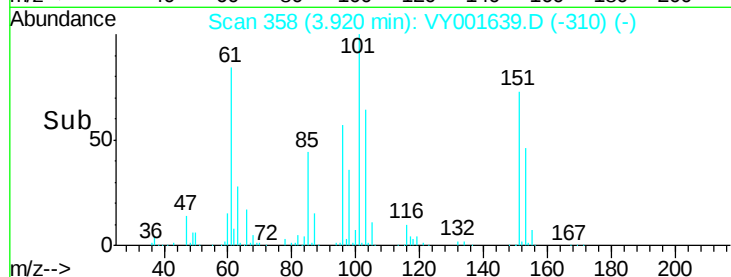
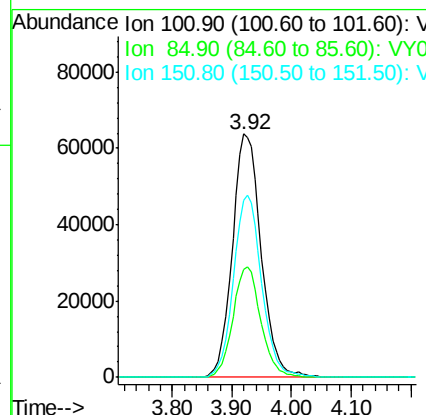
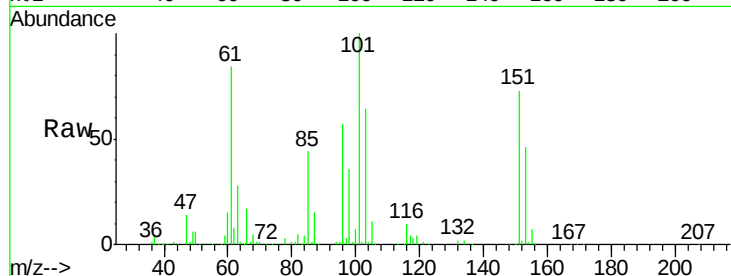
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	214141
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.6	52.0
151	73.3	58.6	88.0

Manual Integrations
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#10

Methyl Iodide

Concen: 104.772 ug/l

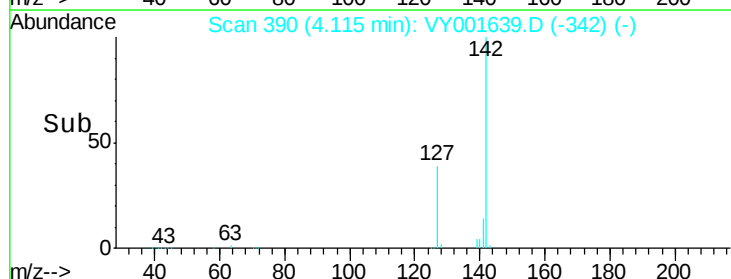
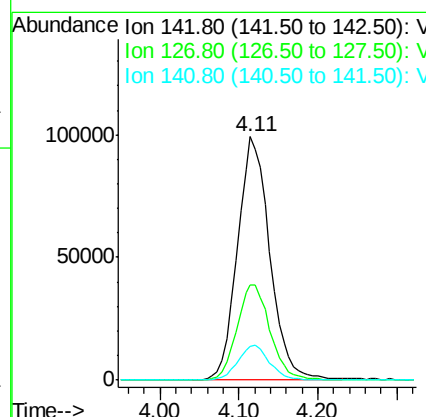
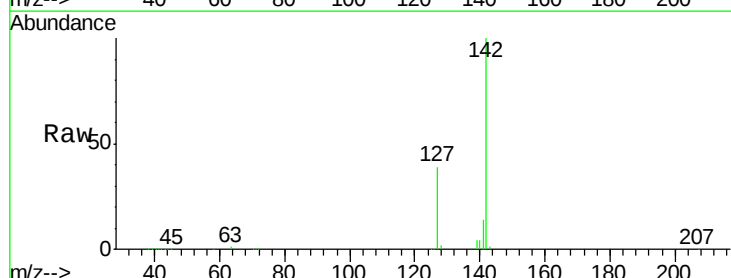
RT: 4.11 min Scan# 390

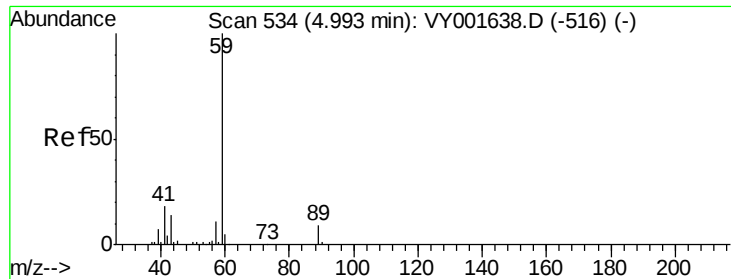
Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	142	Resp:	283378
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.8	47.8
141	14.2	11.3	16.9





#11

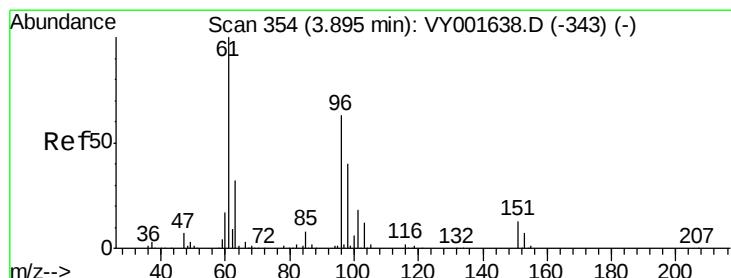
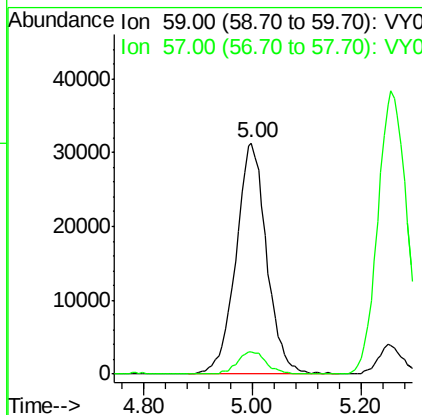
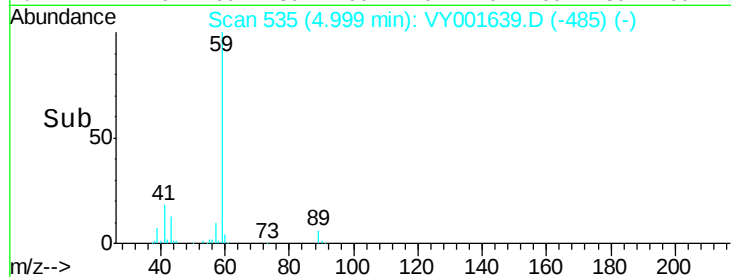
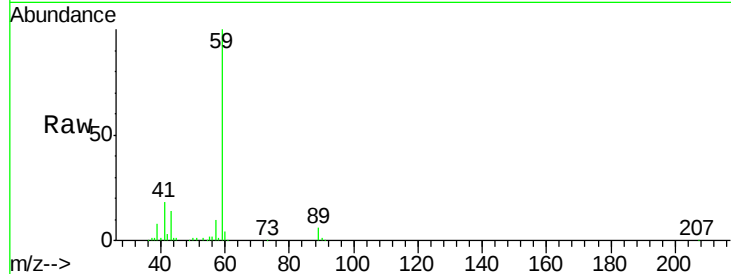
Tert butyl alcohol
Concen: 386.180 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122583		
57	9.4		7.4	11.2

Manual Integrations
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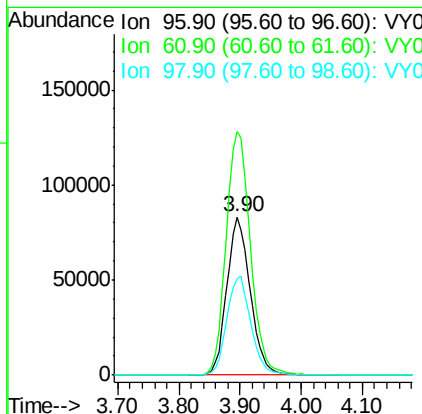
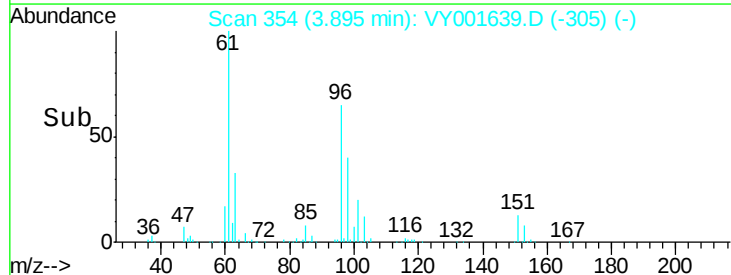
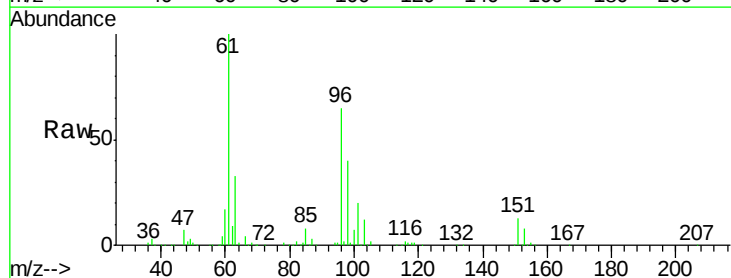
MMDadoda
2/19/2020 10:50:04 AM

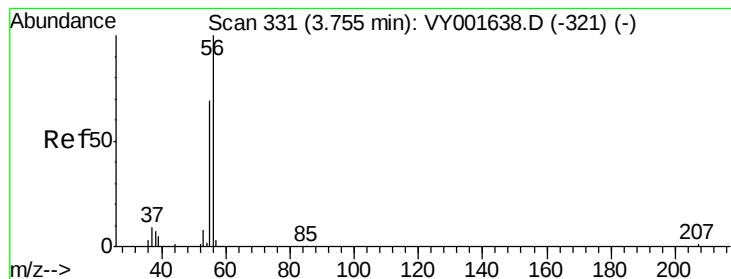


#12

1,1-Dichloroethene
Concen: 103.284 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	218625		
61	153.7		127.9	191.9
98	61.1		51.0	76.4





#13

Acrolein

Concen: 558.377 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 109490

Ion Ratio Lower Upper

56 100

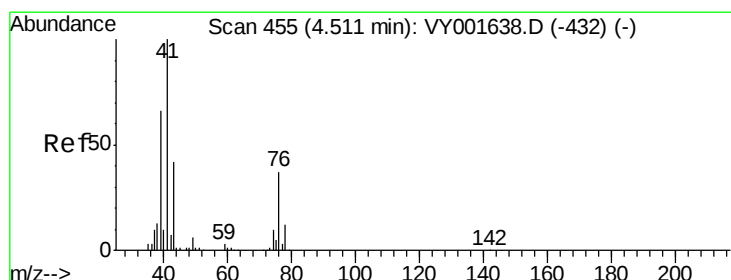
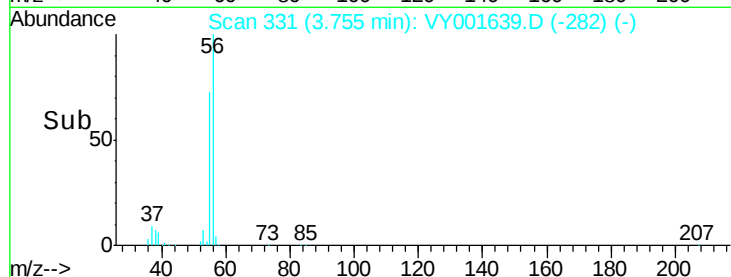
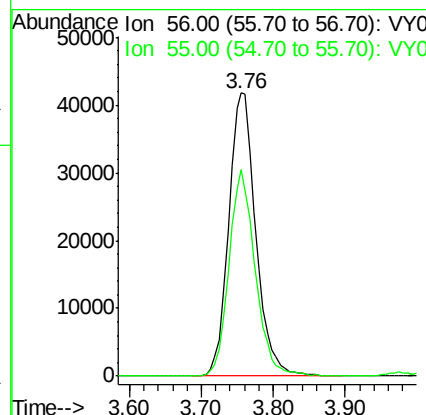
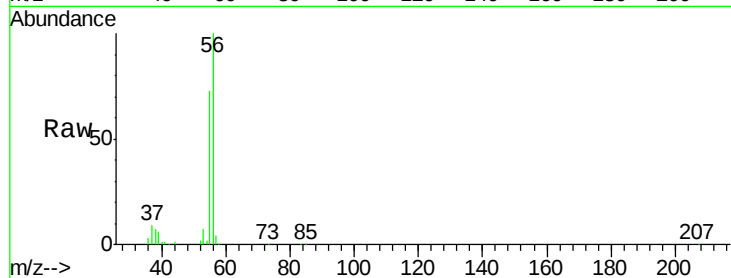
55 70.6 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 118.316 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

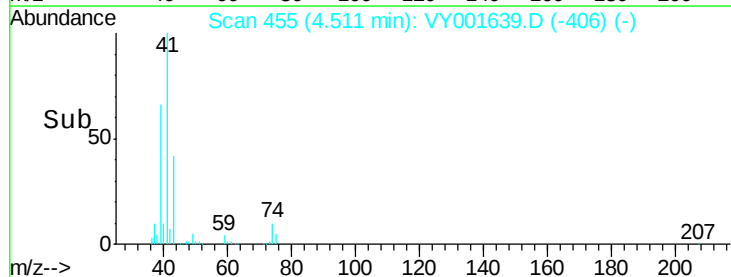
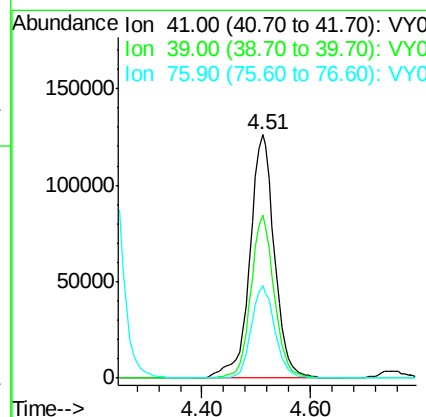
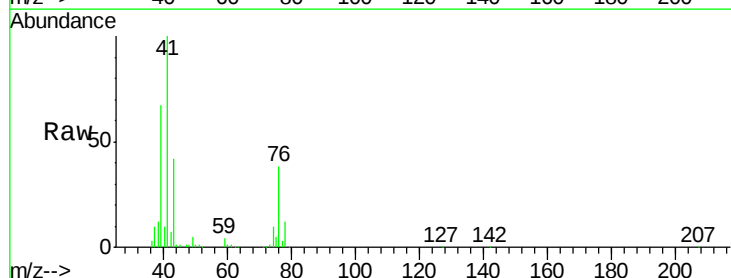
Tgt Ion: 41 Resp: 395706

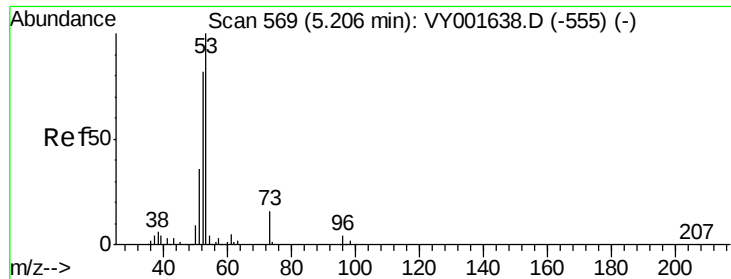
Ion Ratio Lower Upper

41 100

39 63.5 51.0 76.4

76 36.3 28.2 42.4





#15

Acrylonitrile

Concen: 618.923 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

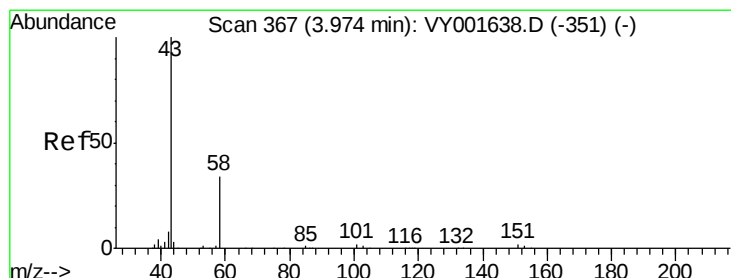
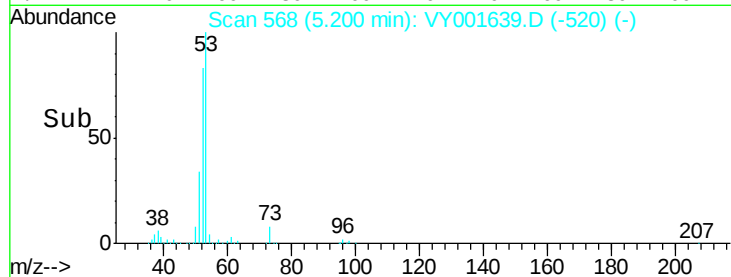
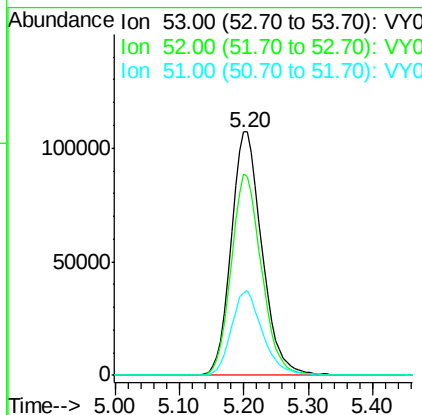
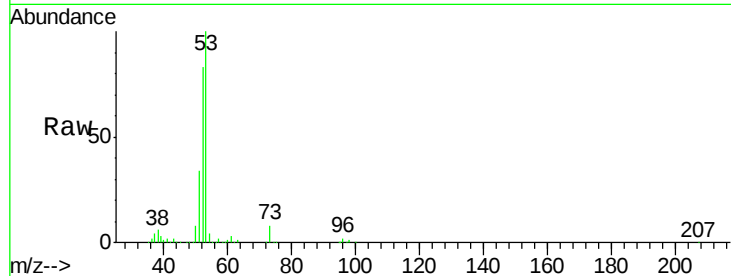
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	356394
Ion Ratio		Lower	Upper
53	100		
52	81.4	64.9	97.3
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 673.268 ug/l

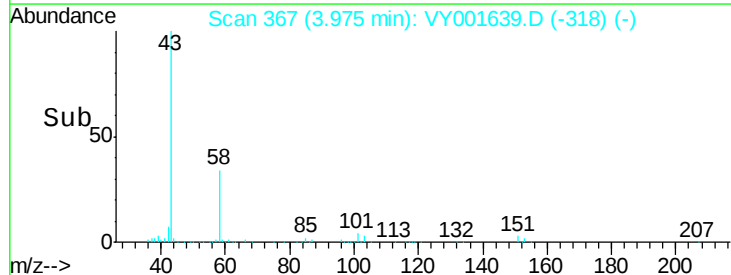
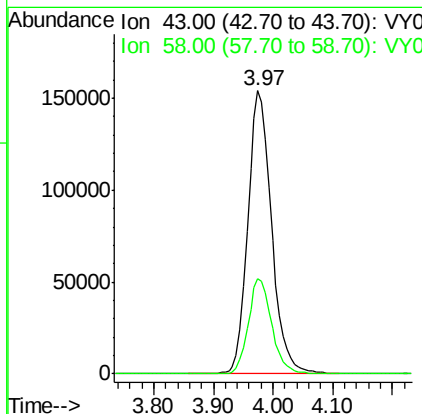
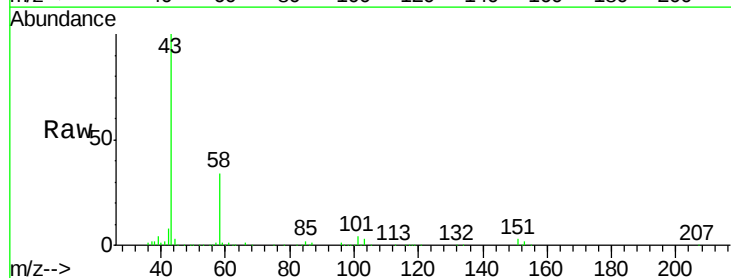
RT: 3.97 min Scan# 367

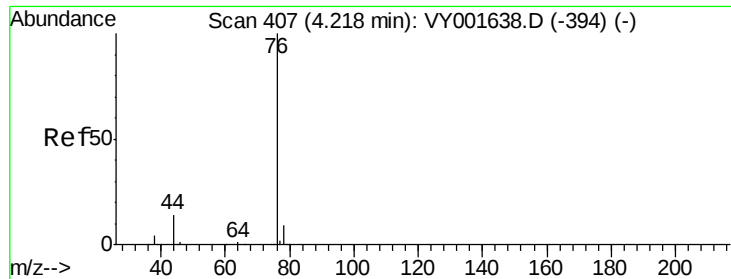
Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	43	Resp:	426756
Ion Ratio		Lower	Upper
43	100		
58	33.7	27.0	40.4





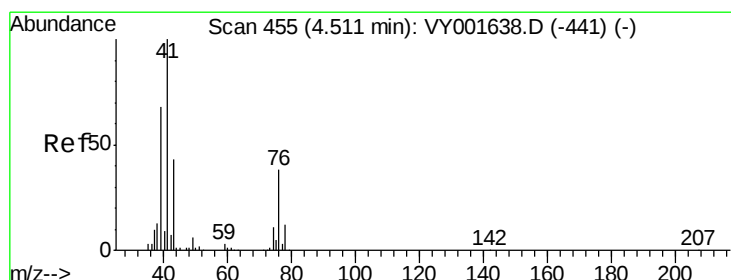
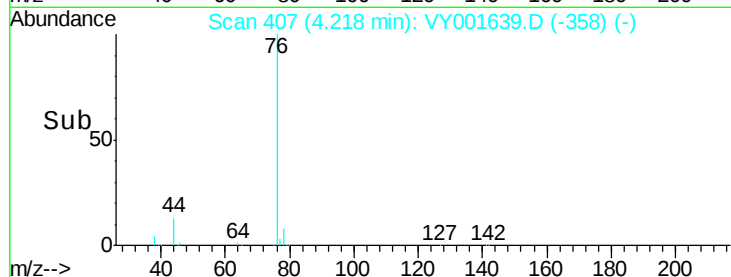
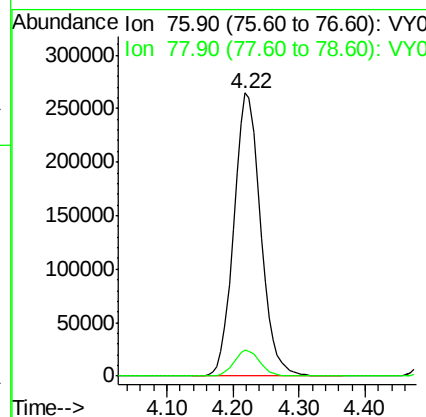
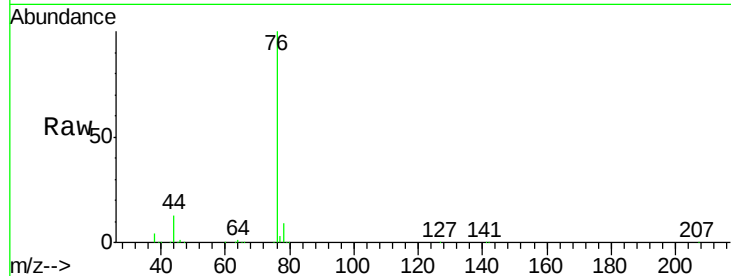
#17
Carbon Disulfide
Concen: 109.048 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

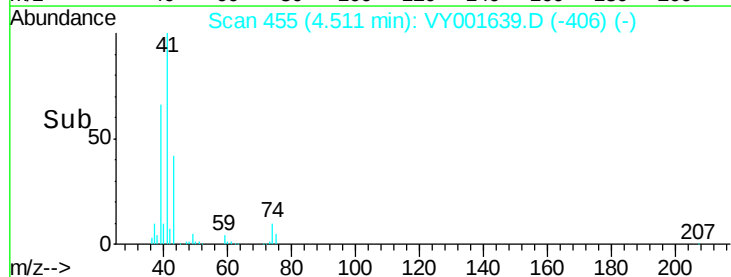
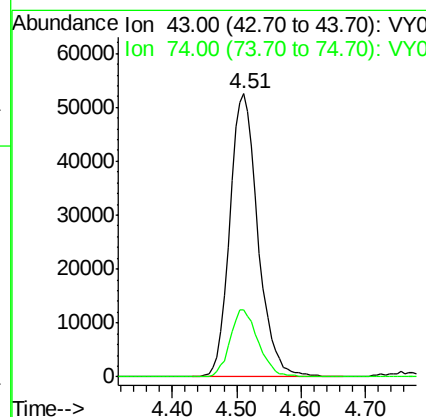
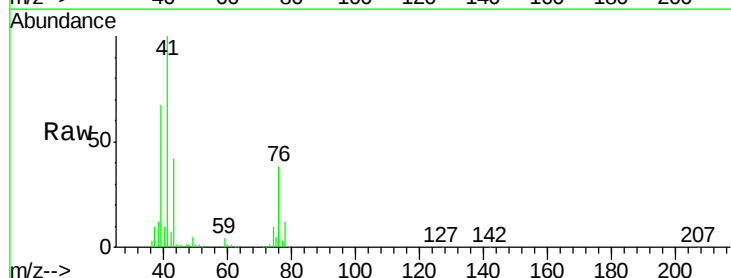
Manual Integrations
APPROVED

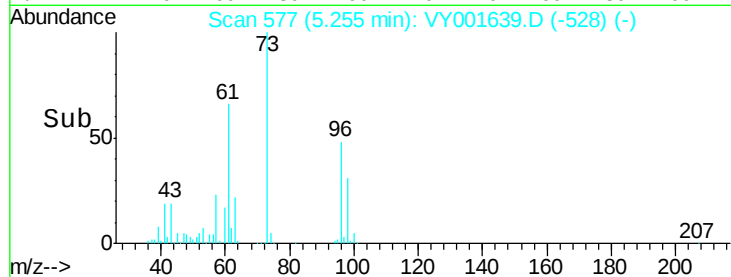
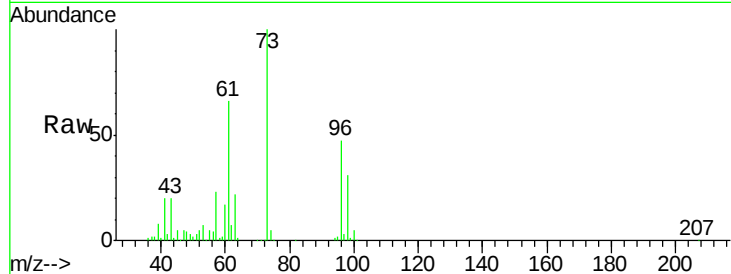
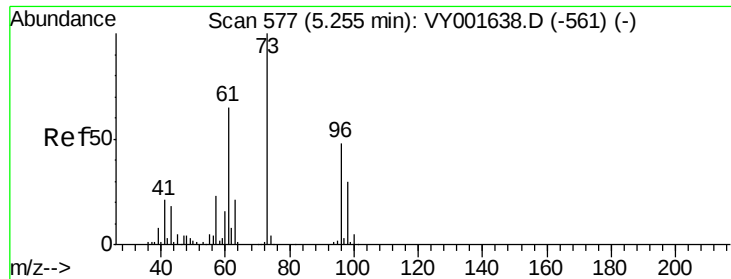
MMDadoda
2/19/2020 10:50:04 AM



#18
Methyl Acetate
Concen: 121.616 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.2	27.4





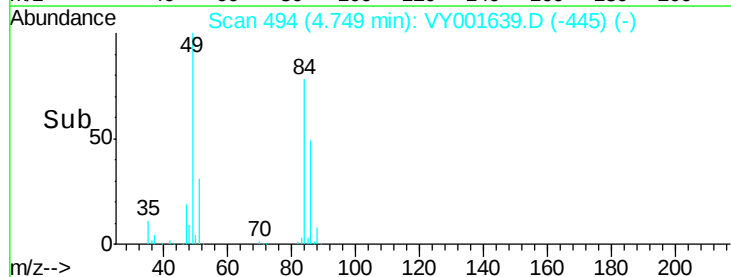
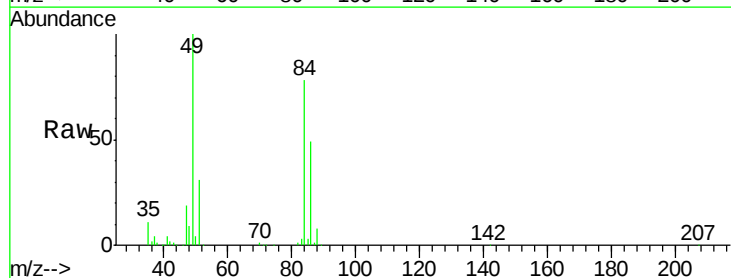
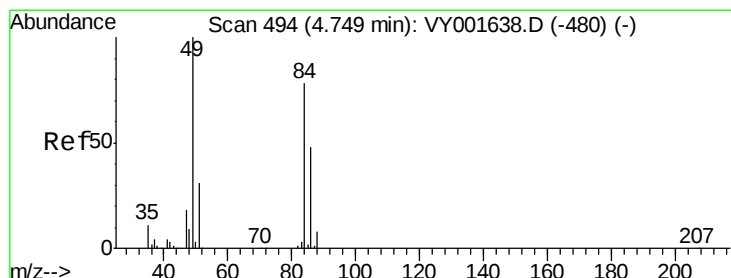
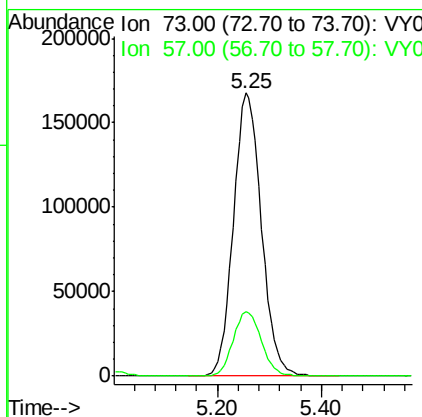
#19
Methvl tert-butvl Ether
Concen: 109.068 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tot Ion: 73 Resp: 623225
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

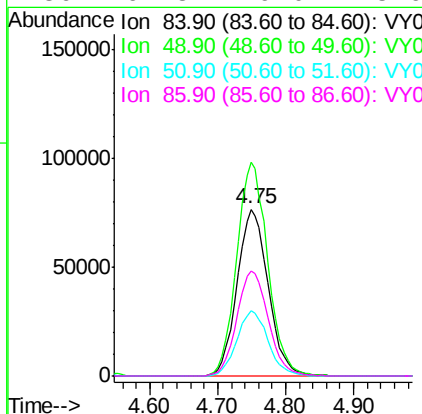
Manual Integrations
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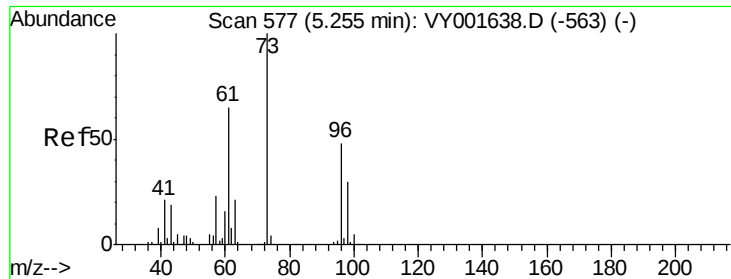
MMDadoda
2/19/2020 10:50:04 AM



#20
Methylene Chloride
Concen: 92.263 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion: 84 Resp: 243511
Ion Ratio Lower Upper
84 100
49 128.3 102.3 153.5
51 39.2 31.4 47.2
86 62.8 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 106.117 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

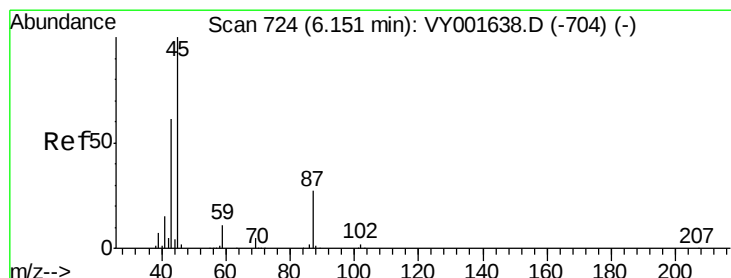
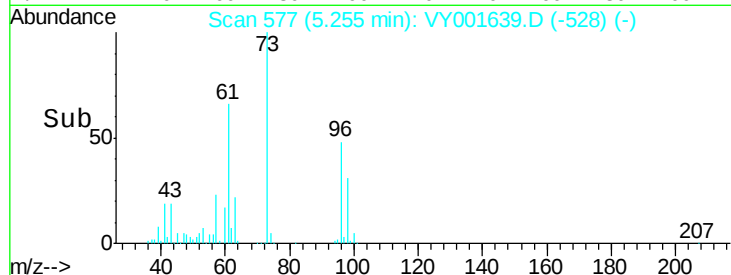
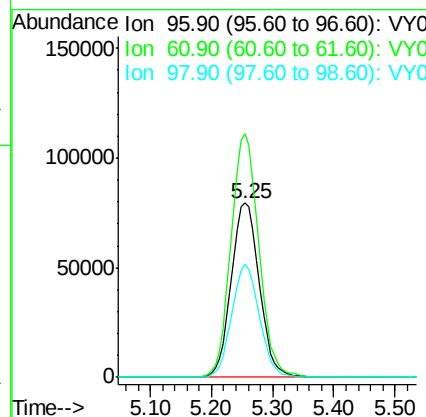
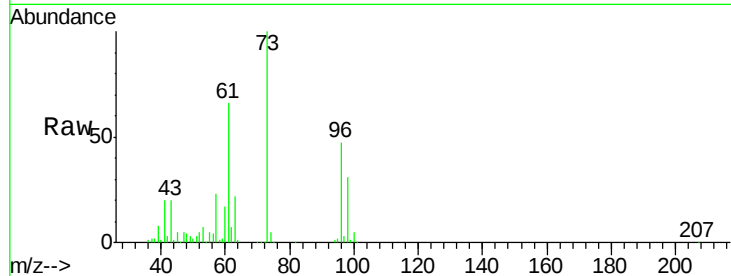
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	251214
Ion	Ratio	Lower	Upper
96	100		
61	139.6	109.0	163.4
98	64.7	49.5	74.3

Manual Integrations
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2/19/2020 10:50:04 AM



#22

Diisopropyl ether

Concen: 123.662 ug/l

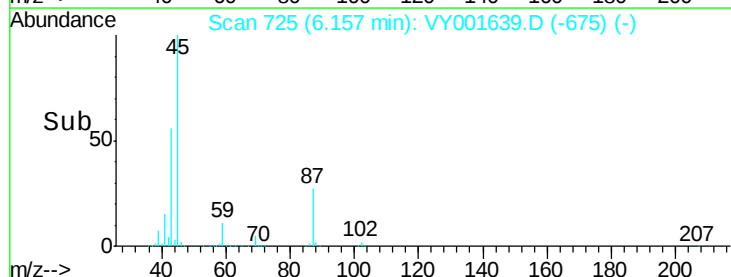
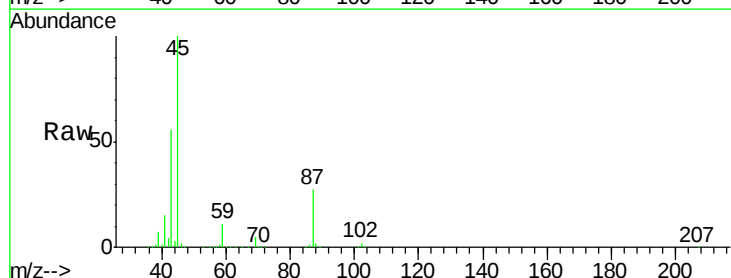
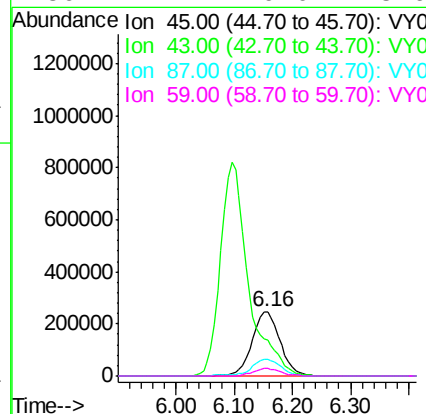
RT: 6.16 min Scan# 725

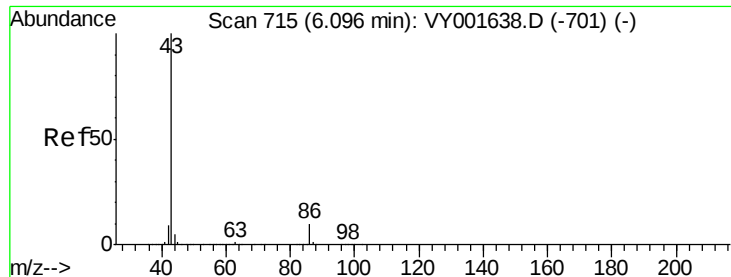
Delta R.T. 0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	45	Resp:	824381
Ion	Ratio	Lower	Upper
45	100		
43	55.5	48.6	72.8
87	26.6	21.7	32.5
59	11.4	9.0	13.6





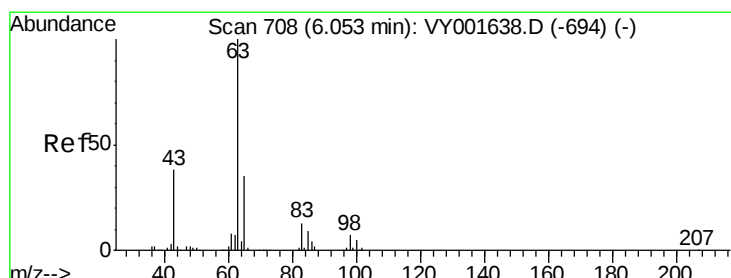
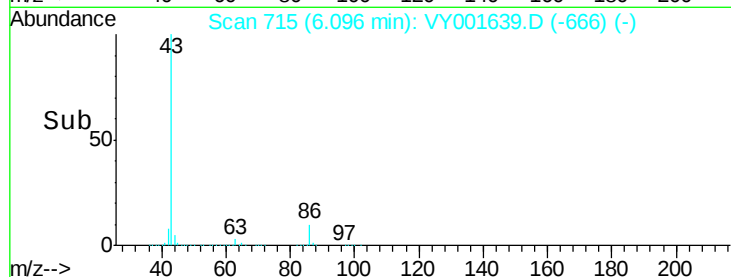
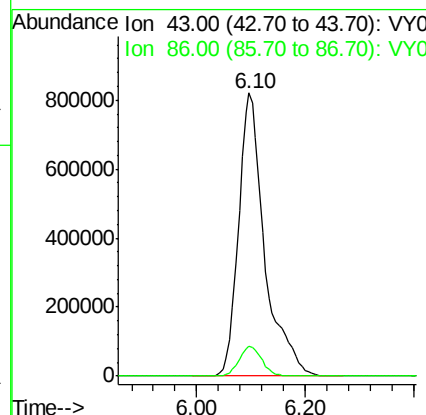
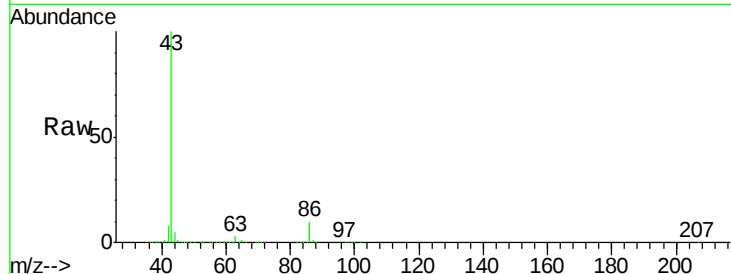
#23
 Vinyl Acetate
 Concen: 638.828 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2742254
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5

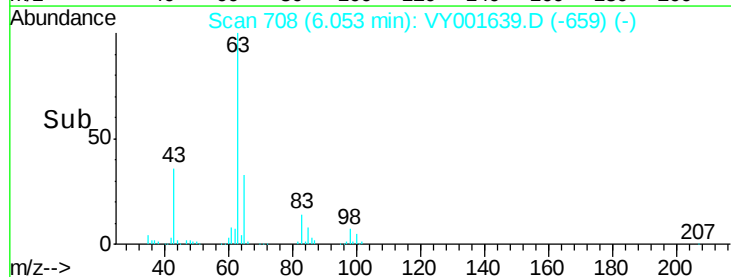
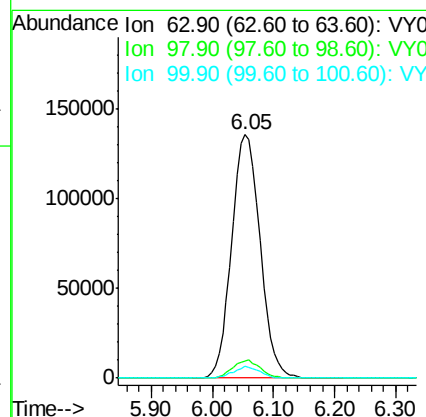
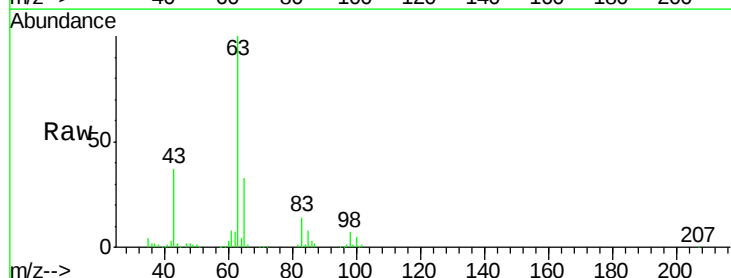
Manual Integrations
 APPROVED

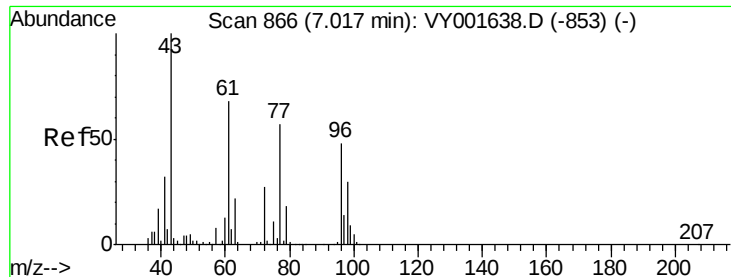
MMDadoda
 2/19/2020 10:50:04 AM



#24
 1,1-Dichloroethane
 Concen: 110.699 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion: 63 Resp: 433923
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.8 11.2
 100 4.8 2.3 6.9





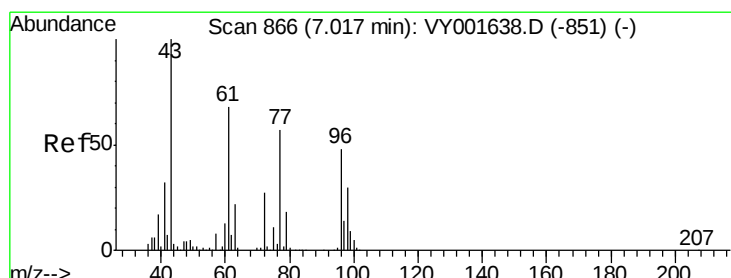
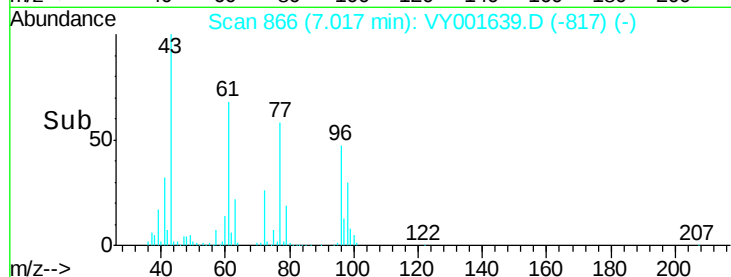
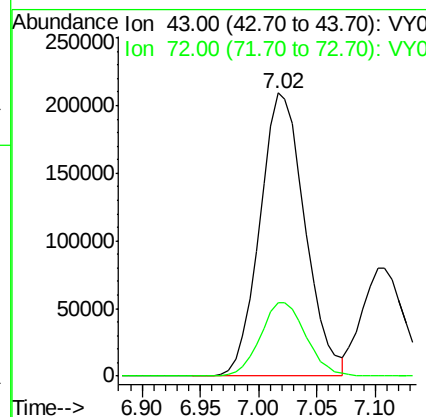
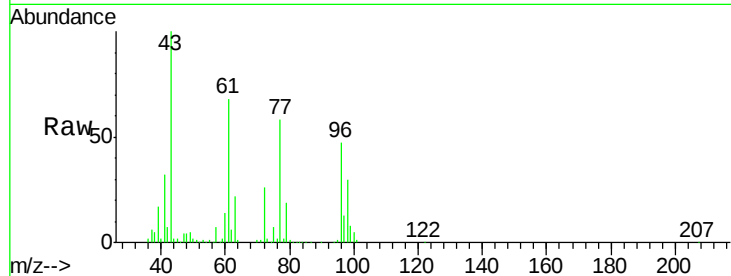
#25
2-Butanone
Concen: 684.499 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.3	31.9

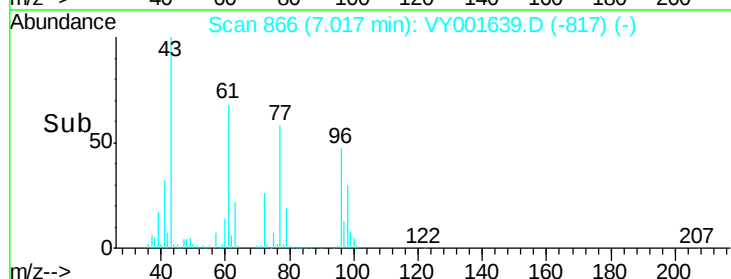
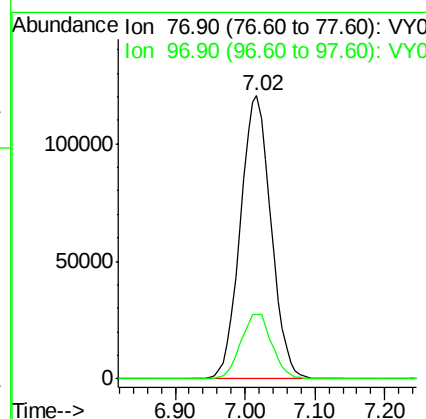
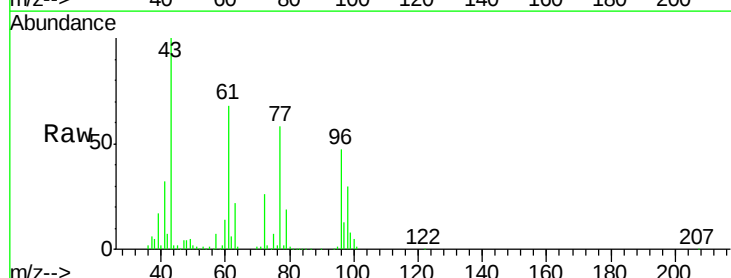
Manual Integrations
APPROVED

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2/19/2020 10:50:04 AM



#26
2,2-Dichloropropane
Concen: 99.181 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.9	35.5





#27

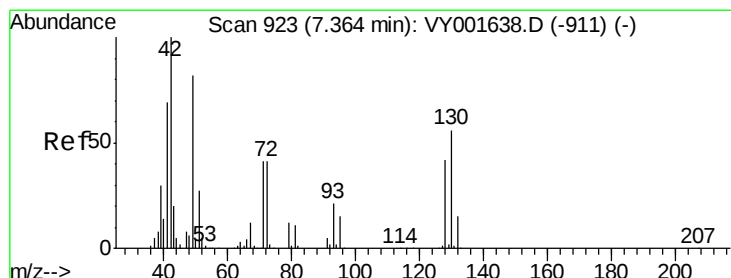
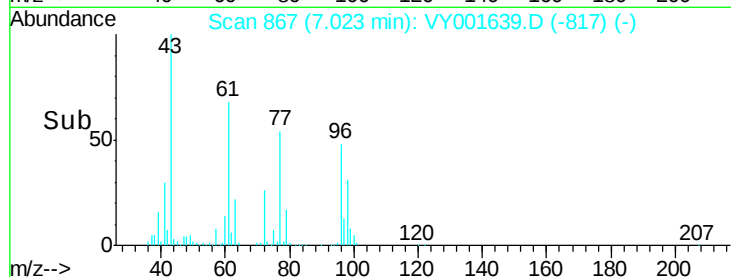
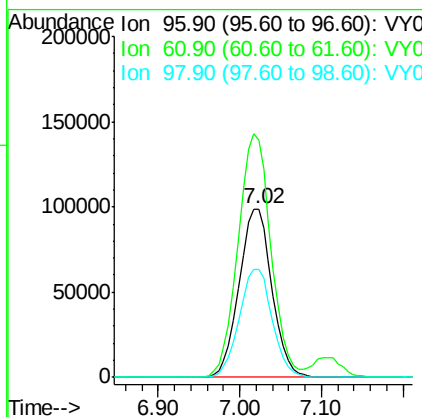
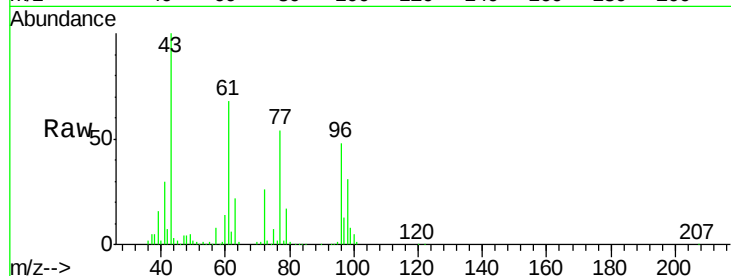
cis-1,2-Dichloroethene
Concen: 106.567 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	276139		
61	144.3	0.0	291.4	
98	64.4	0.0	128.6	

Manual Integrations
APPROVED

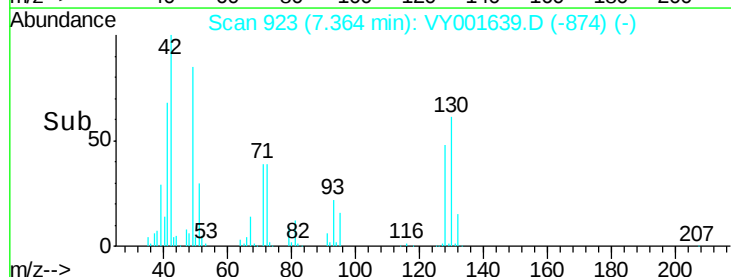
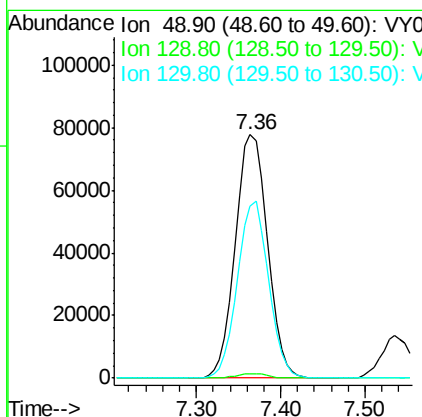
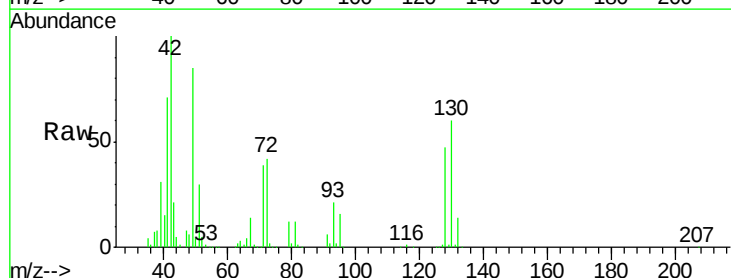
MMDadoda
2/19/2020 10:50:04 AM

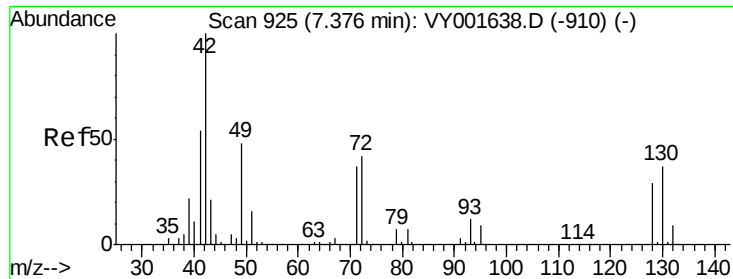


#28

Bromochloromethane
Concen: 145.406 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	201154		
129	1.7	0.0	4.0	
130	70.2	56.4	84.6	





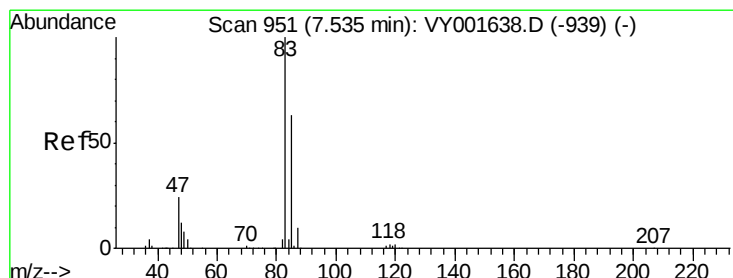
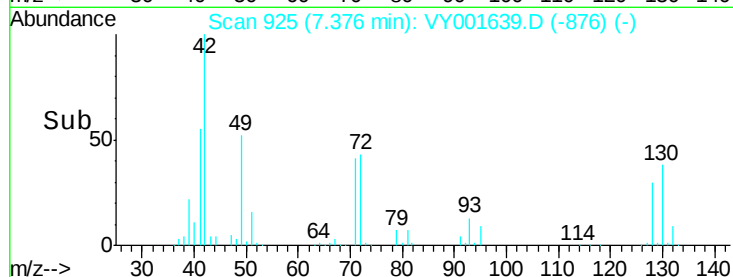
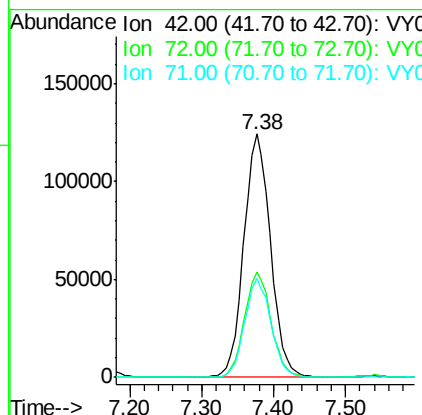
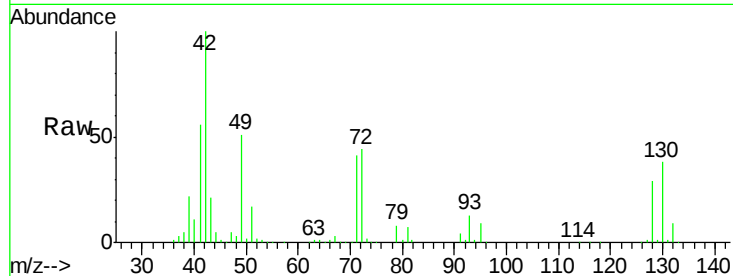
#29
Tetrahydrofuran
Concen: 655.393 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.2	49.8
71	39.9	31.0	46.6

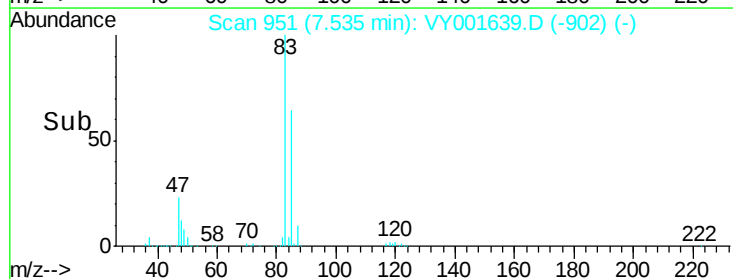
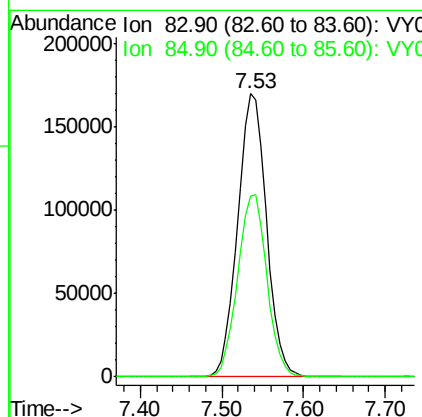
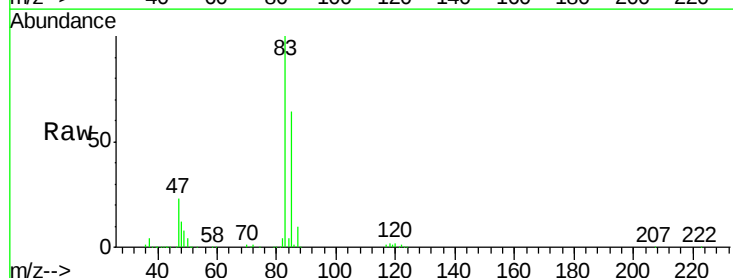
Manual Integrations
APPROVED

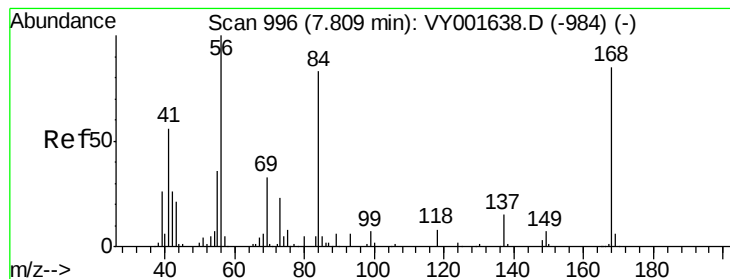
MMDadoda
2/19/2020 10:50:04 AM



#30
Chloroform
Concen: 105.629 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4





#31

Cyclohexane

Concen: 110.294 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 444057

Ion Ratio Lower Upper

56 100

69 32.5 26.3 39.5

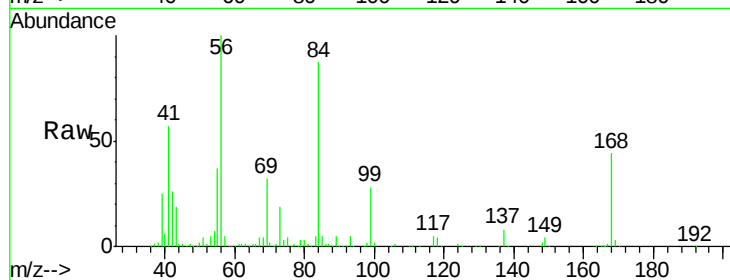
84 85.6 66.6 99.8

Manual Integrations

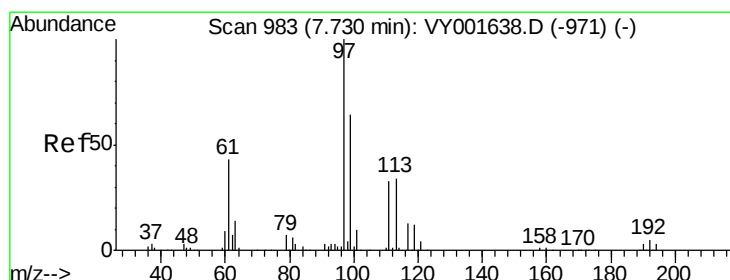
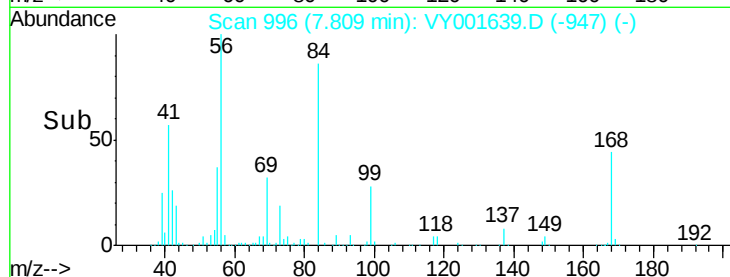
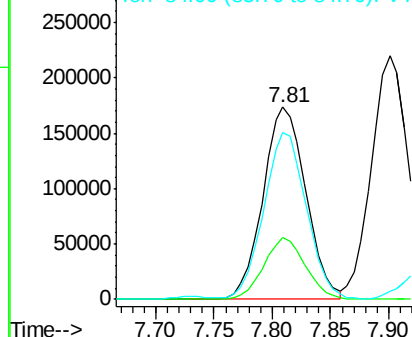
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 101.739 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

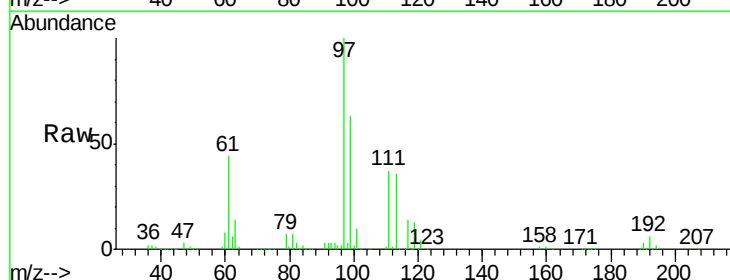
Tgt Ion: 97 Resp: 358414

Ion Ratio Lower Upper

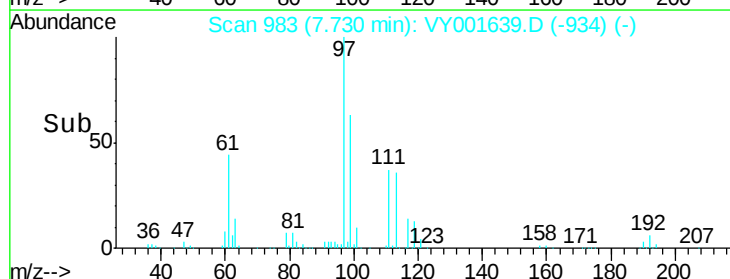
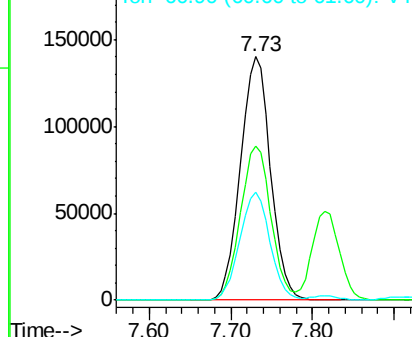
97 100

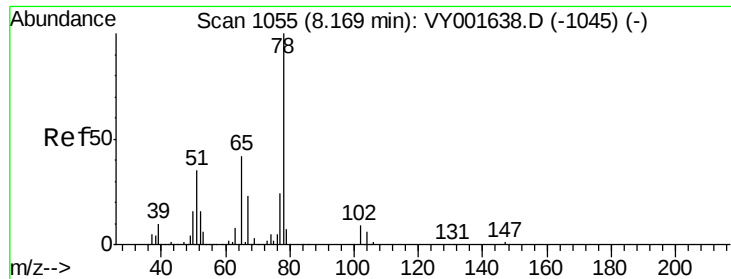
99 64.3 51.3 76.9

61 44.5 35.2 52.8



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





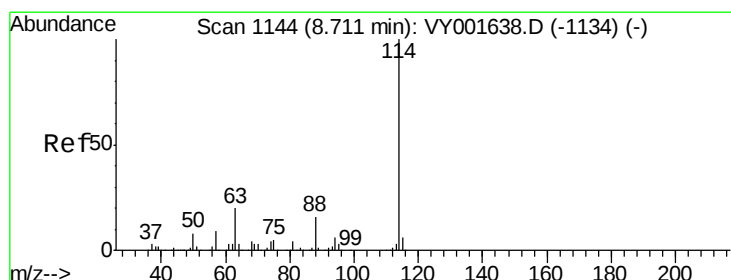
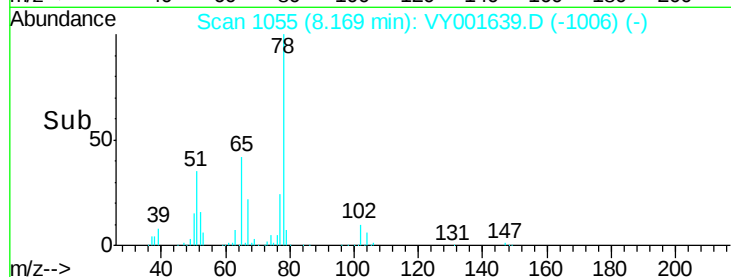
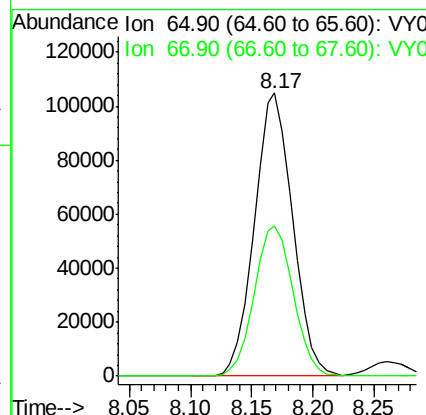
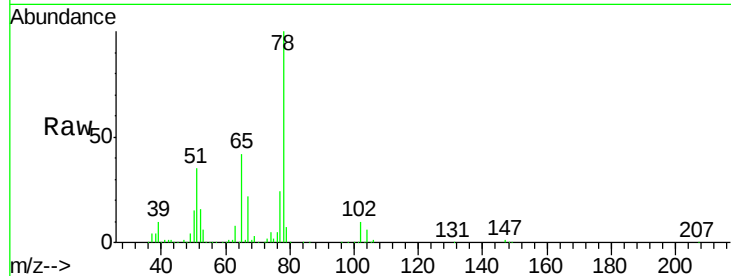
#33
 1,2-Dichloroethane-d4
 Concen: 111.407 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228331		
67	54.2	0.0	109.8	

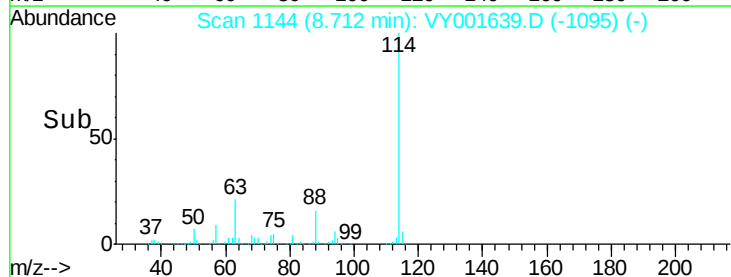
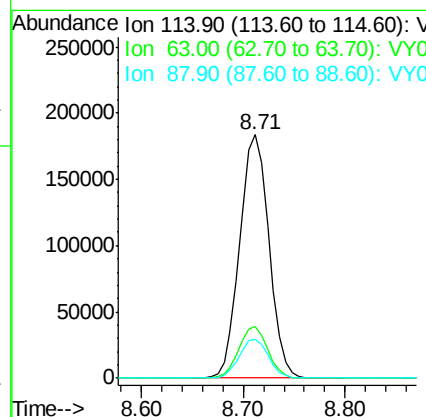
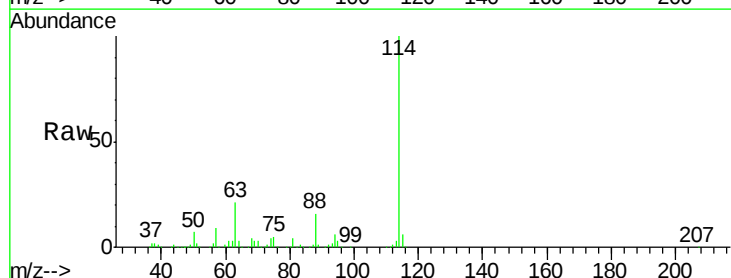
Manual Integrations
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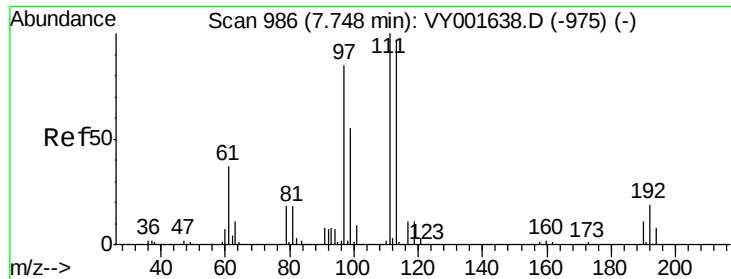
MMDadoda
 2/19/2020 10:50:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	364164		
63	21.3	0.0	40.2	
88	15.8	0.0	32.2	





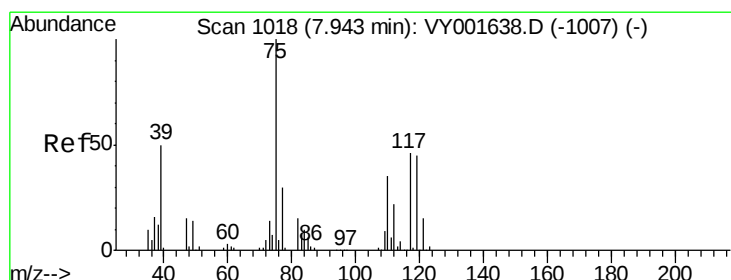
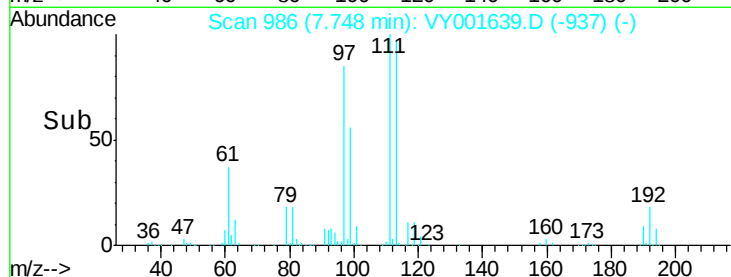
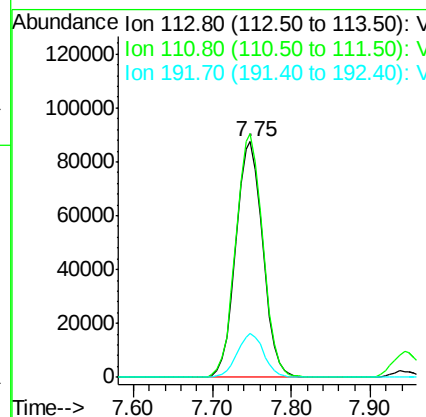
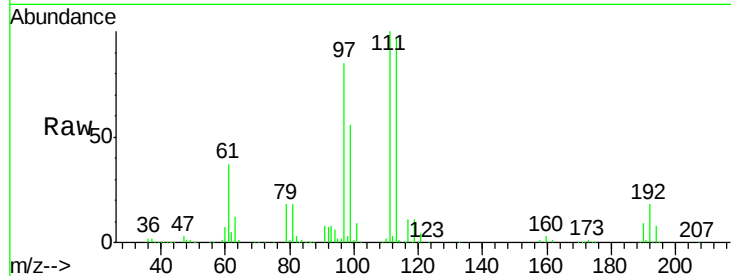
#35
 Dibromofluoromethane
 Concen: 99.701 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208528		
111	103.4	83.4	125.0	
192	18.2	15.2	22.8	

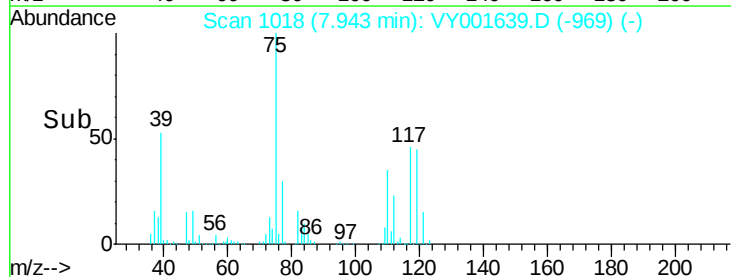
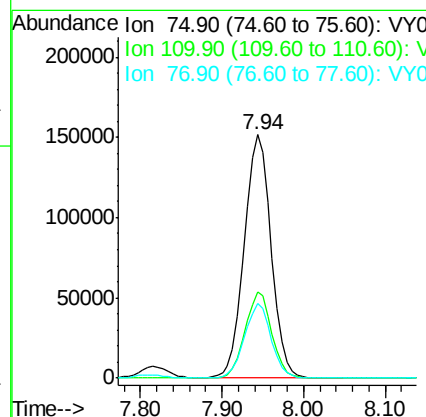
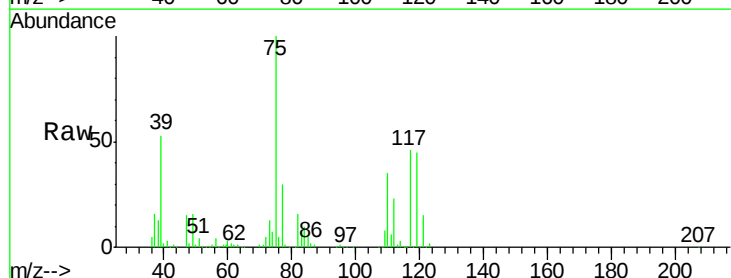
Manual Integrations
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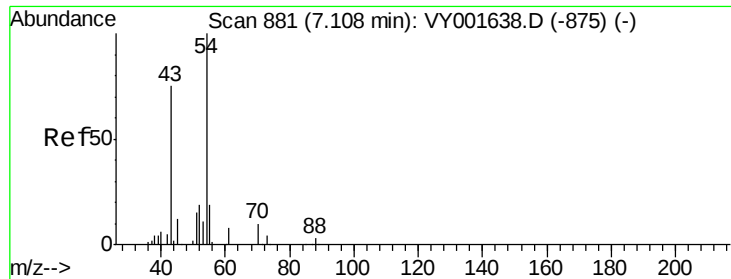
MMDadoda
 2/19/2020 10:50:04 AM



#36
 1,1-Dichloropropene
 Concen: 103.505 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	346606		
110	34.8	17.6	52.8	
77	30.4	24.4	36.6	





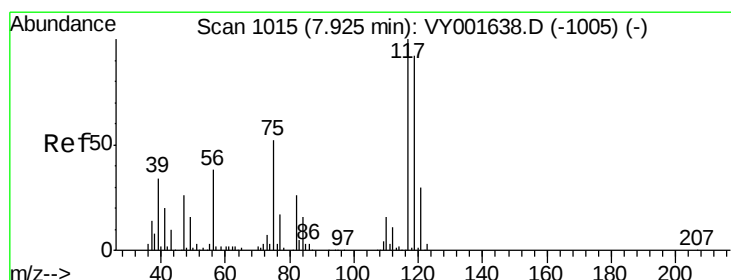
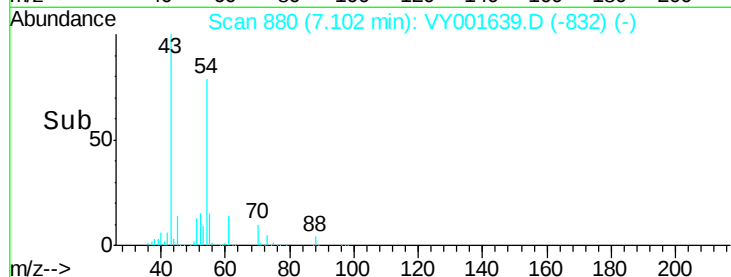
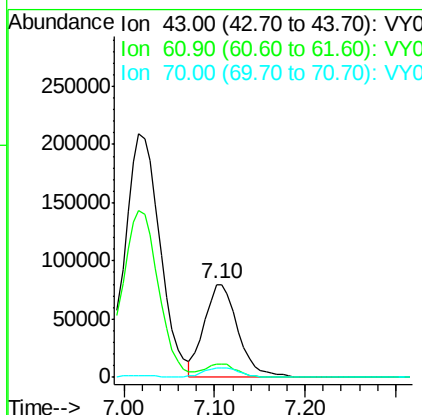
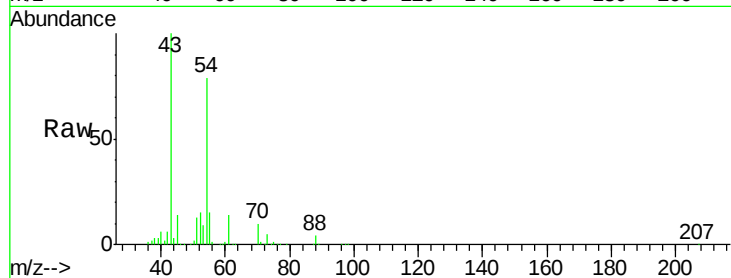
#37
Ethyl Acetate
Concen: 121.925 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	11.0	8.6	12.8

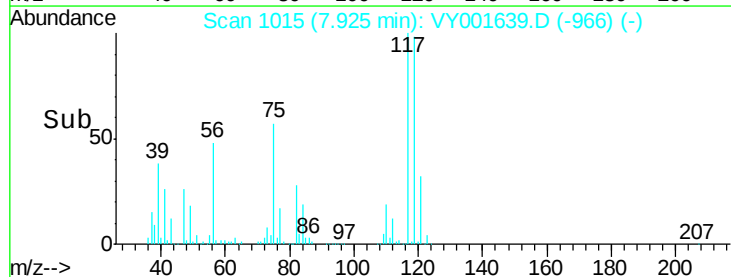
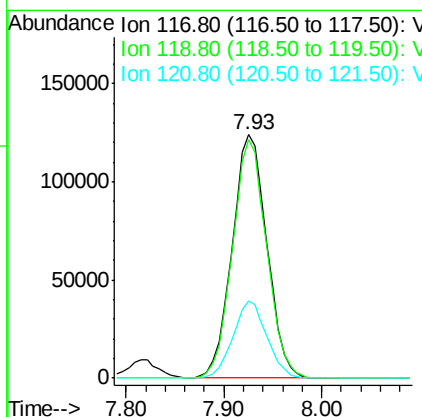
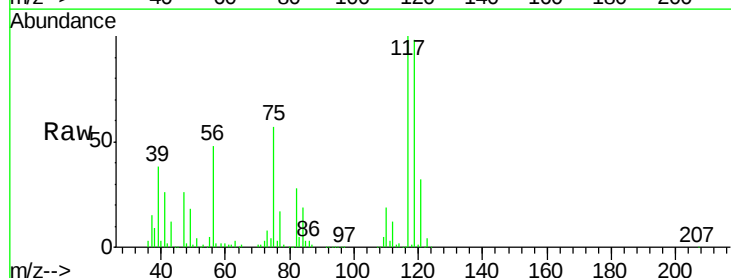
Manual Integrations
APPROVED

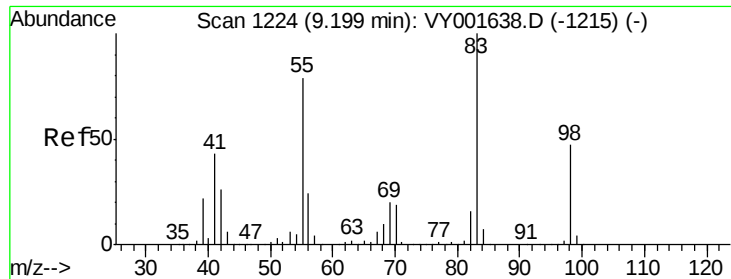
MMDadoda
2/19/2020 10:50:04 AM



#38
Carbon Tetrachloride
Concen: 95.729 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	73.4	110.0
121	31.8	23.7	35.5





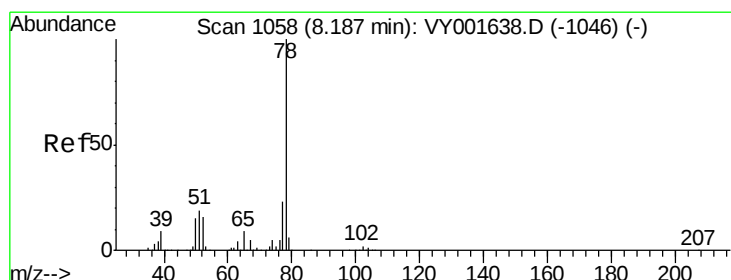
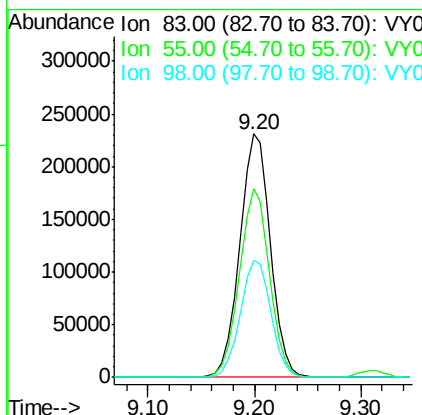
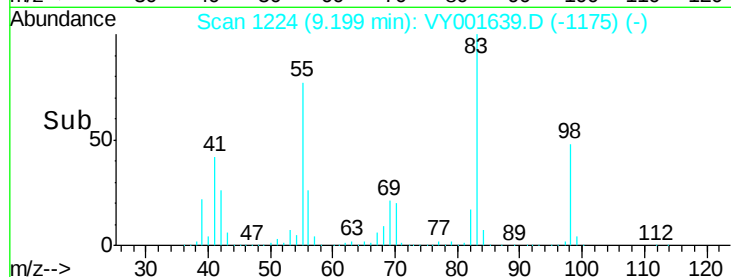
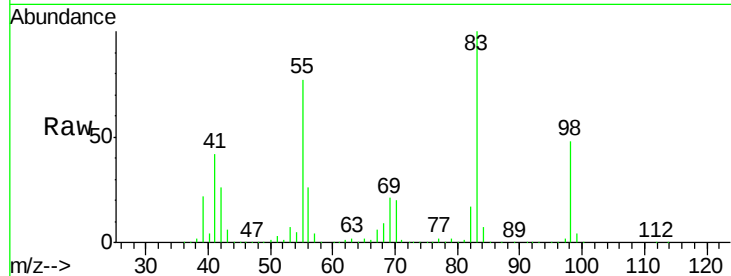
#39
Methvlcvclohexane
Concen: 105.773 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.3	94.9
98	48.0	37.9	56.9

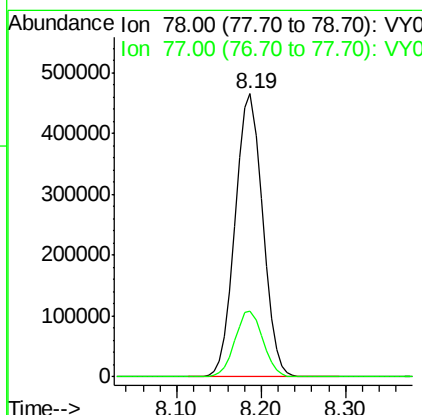
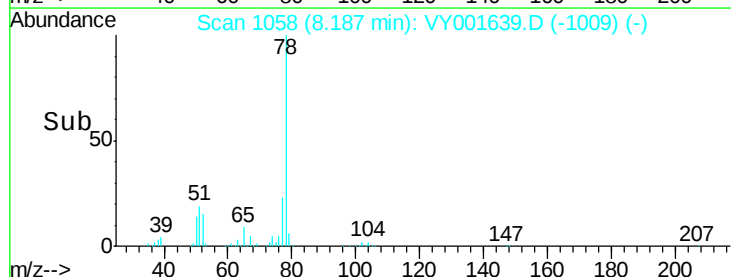
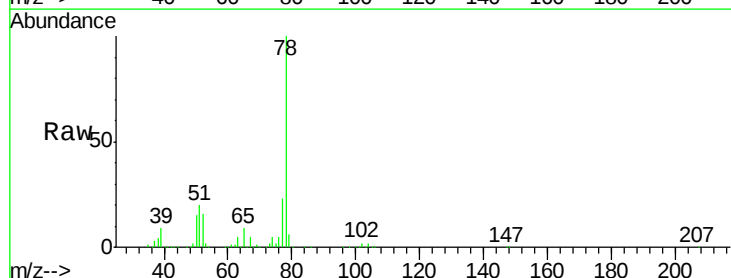
Manual Integrations
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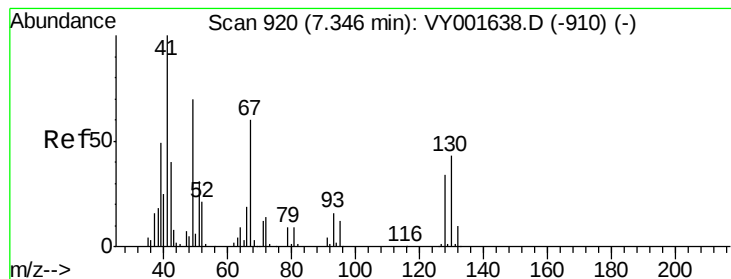
MMDadoda
2/19/2020 10:50:04 AM



#40
Benzene
Concen: 106.715 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





#41

Methacrylonitrile

Concen: 120.859 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 92149

Ion Ratio Lower Upper

41 100

39 139.4 114.2 171.4

67 0.0 0.0 0.0

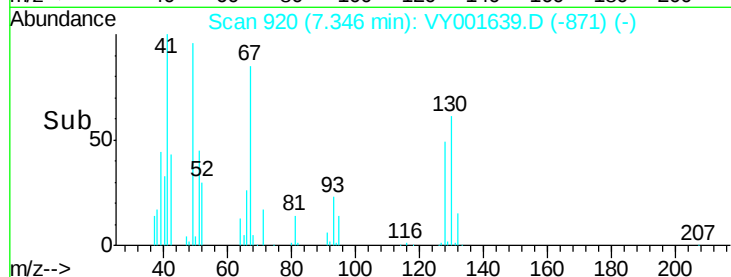
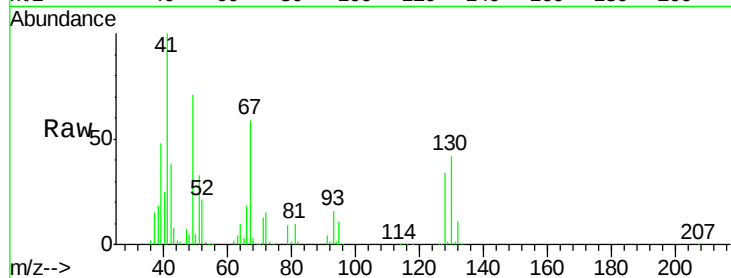
52 0.0 0.0 0.0

Manual Integrations

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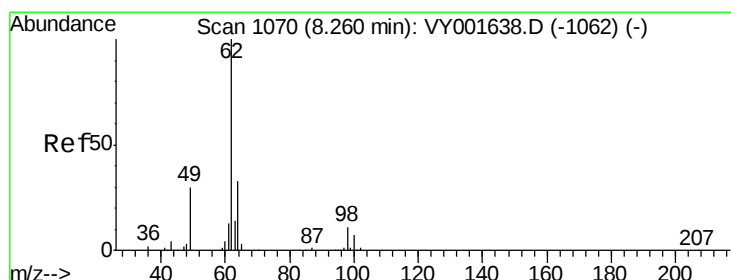
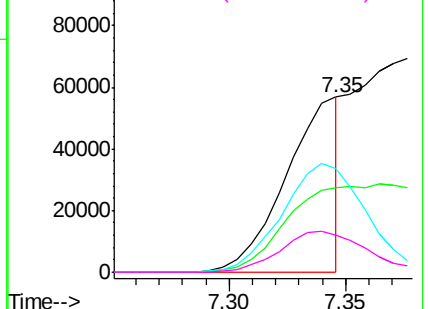


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 104.857 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001639.D

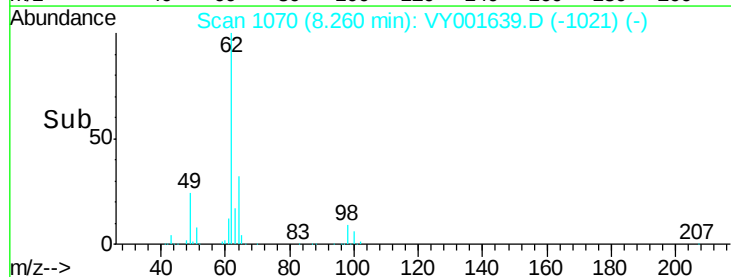
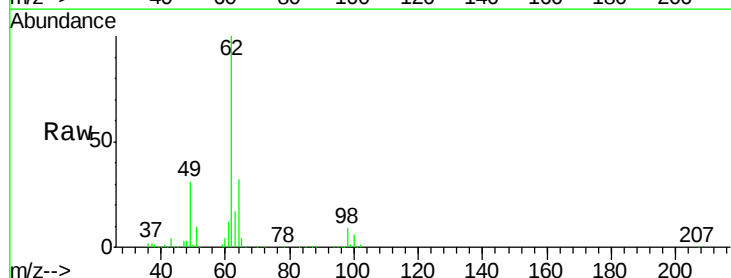
Acq: 17 Feb 2020 11:29

Tgt Ion: 62 Resp: 280984

Ion Ratio Lower Upper

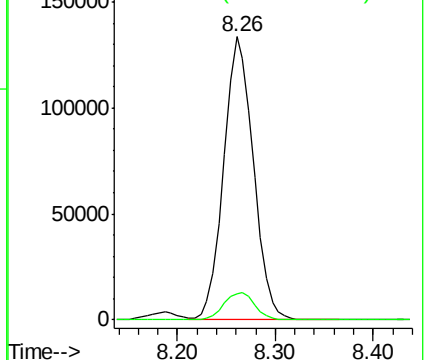
62 100

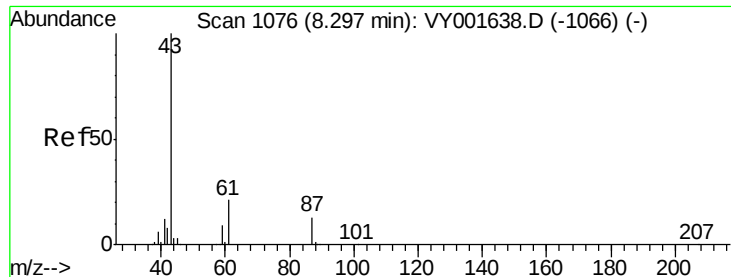
98 10.1 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 120.653 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

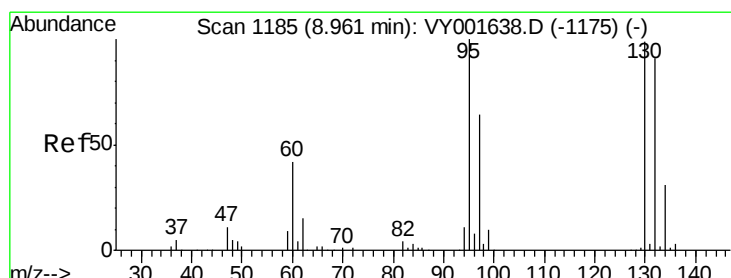
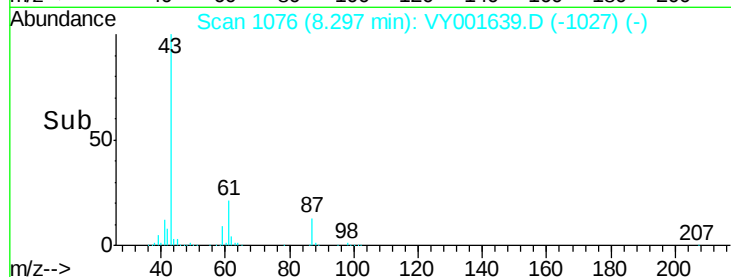
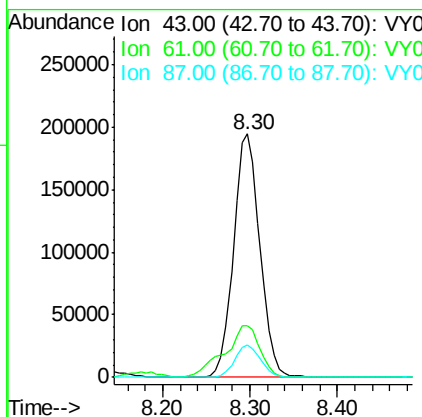
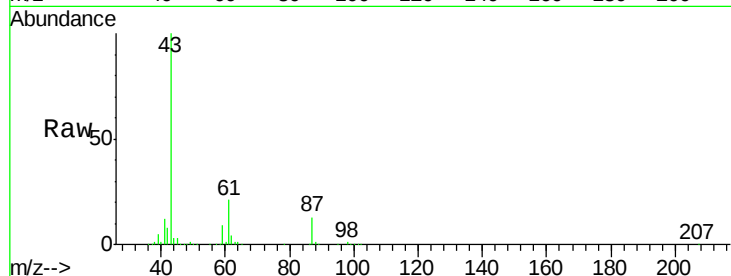
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	405340
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.0	34.4
87	13.3	10.4	15.6

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#44

Trichloroethene

Concen: 98.602 ug/l

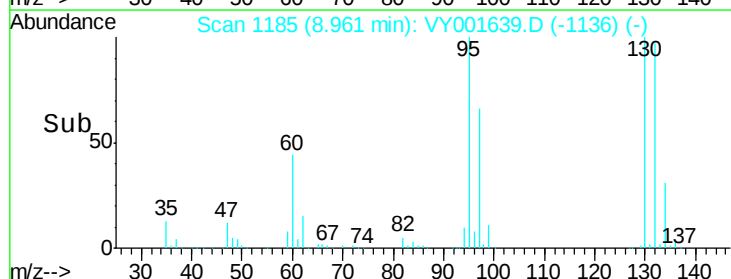
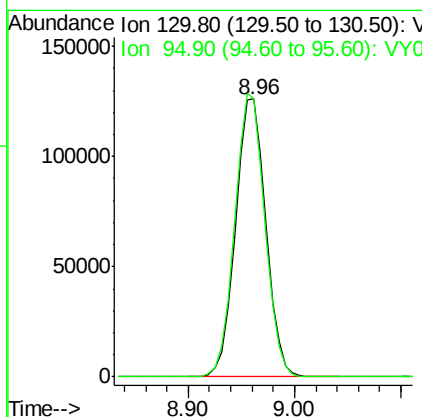
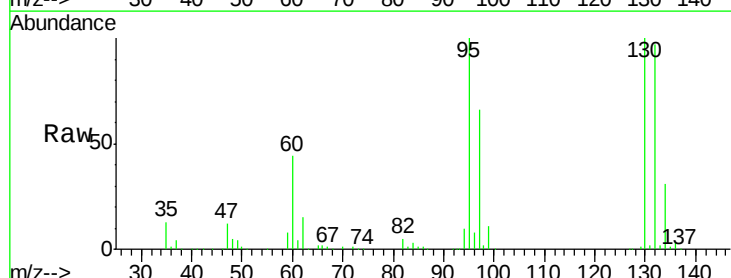
RT: 8.96 min Scan# 1185

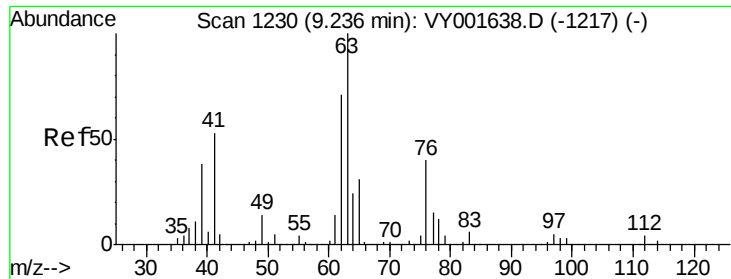
Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	130	Resp:	252034
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.0





#45

1,2-Dichloropropane

Concen: 110.721 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 258692

Ion Ratio Lower Upper

63 100

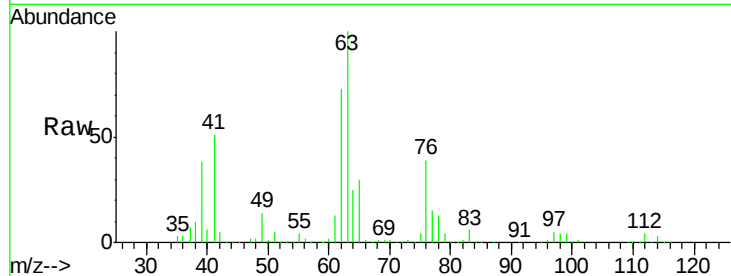
65 30.3 24.6 37.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

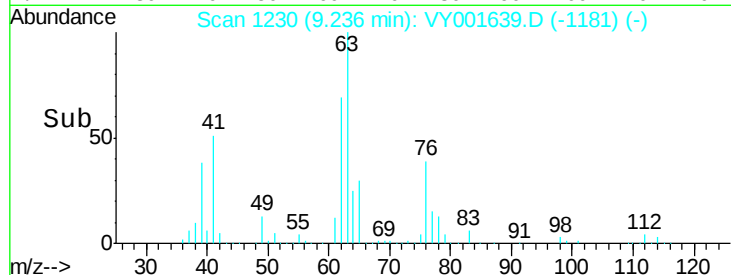
150000

100000

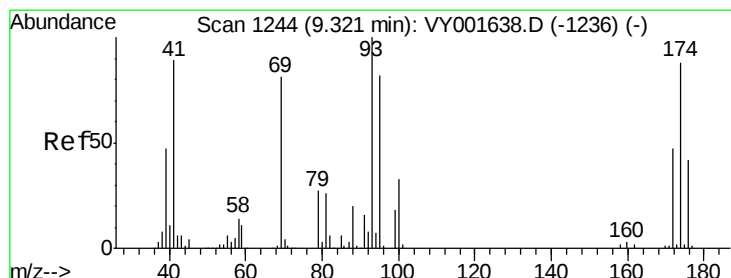
50000

0

Time-->



Time-->



#46

Dibromomethane

Concen: 103.906 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

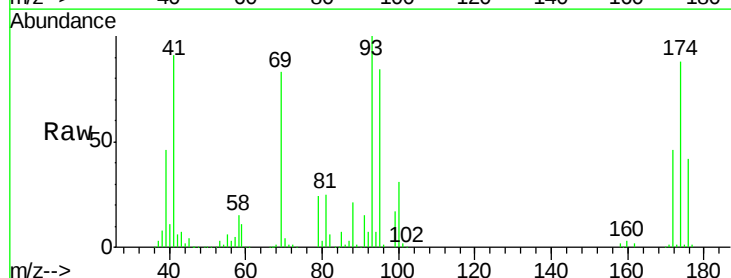
Tgt Ion: 93 Resp: 135167

Ion Ratio Lower Upper

93 100

95 83.4 67.3 100.9

174 91.8 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0

80000

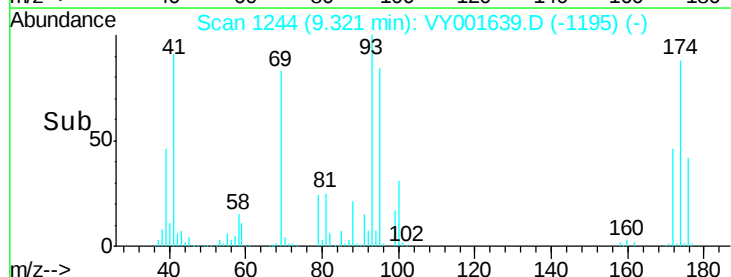
60000

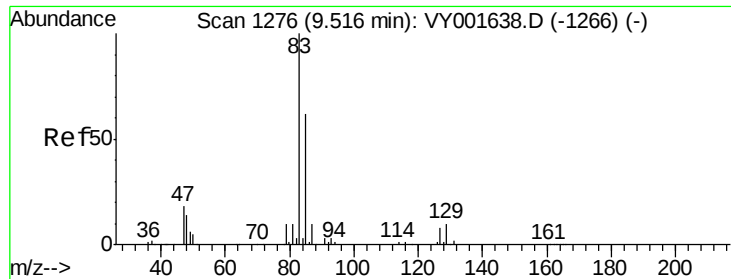
40000

20000

0

Time-->





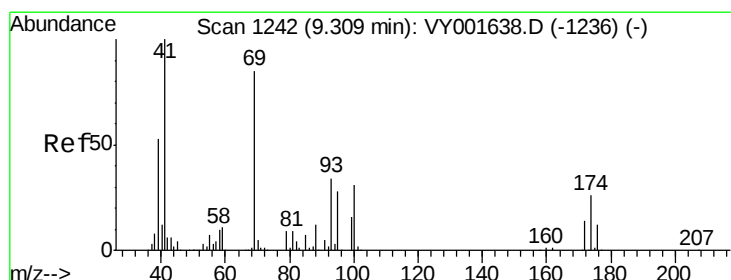
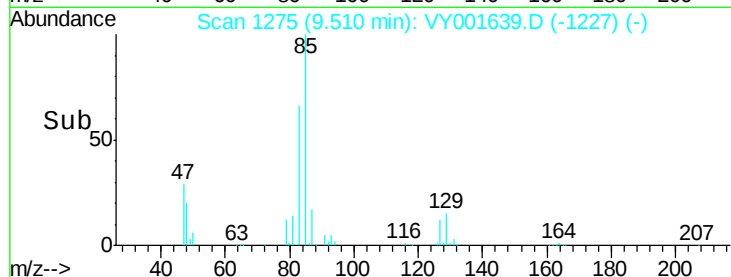
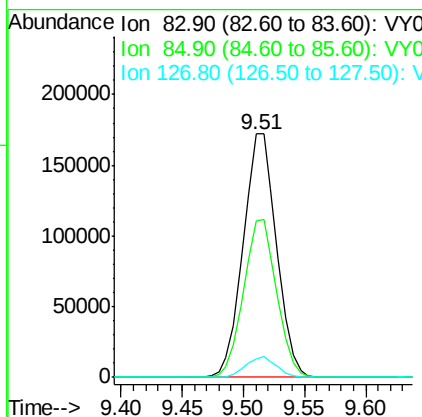
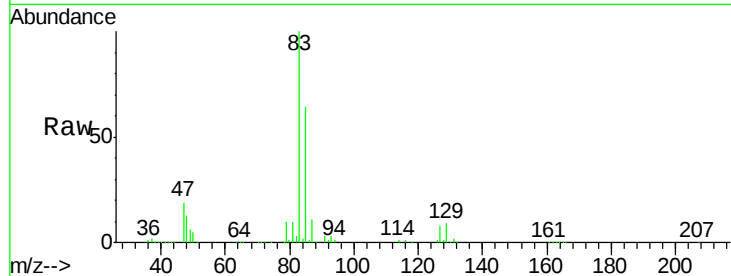
#47
Bromodichloromethane
Concen: 103.365 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.3	50.0	75.0	
127	7.7	6.3	9.5	

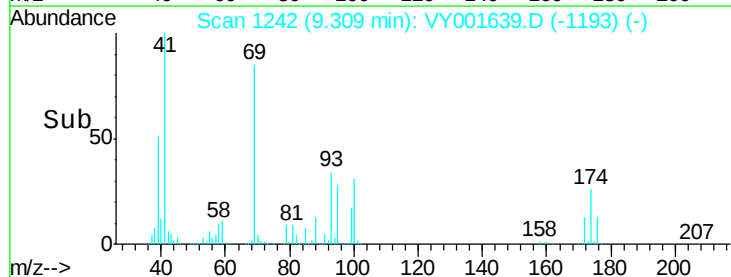
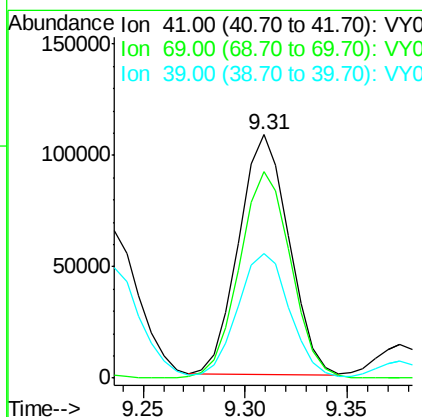
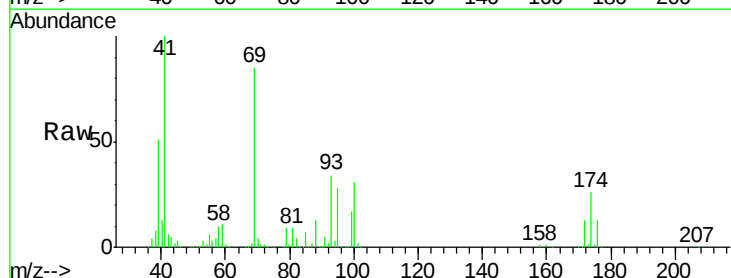
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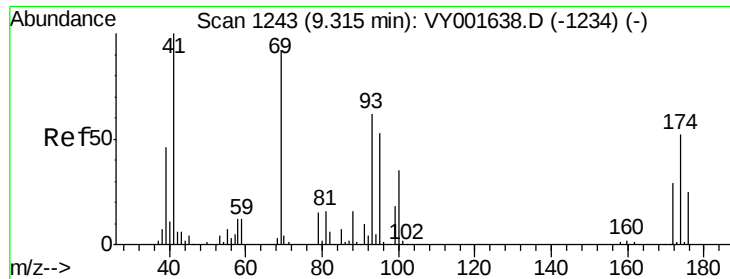
MMDadoda
2/19/2020 10:50:04 AM



#48
Methyl methacrylate
Concen: 121.424 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.9	69.5	104.3	
39	54.3	41.8	62.6	





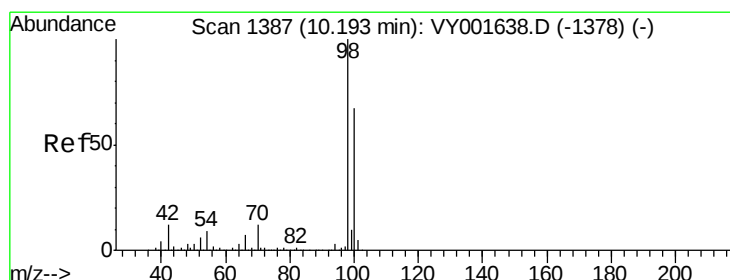
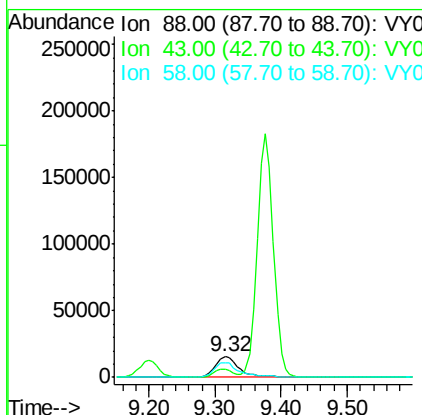
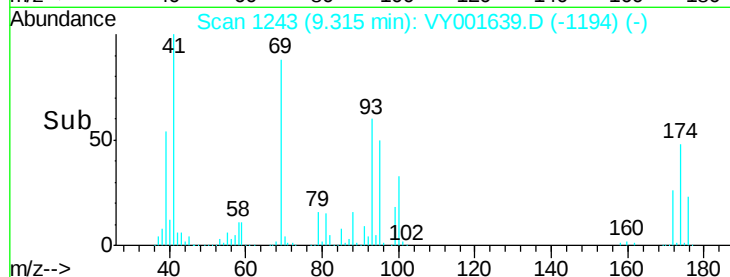
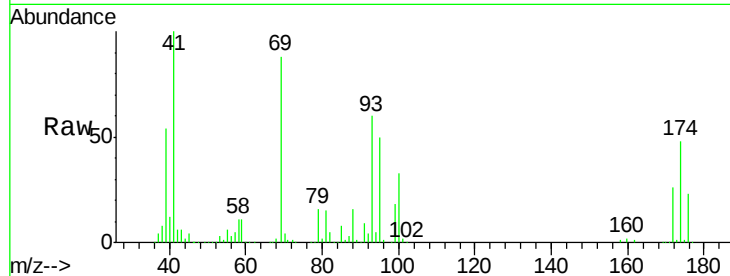
#49
1,4-Dioxane
Concen: 2247.926 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	27.6	41.4
58	74.4	60.4	90.6

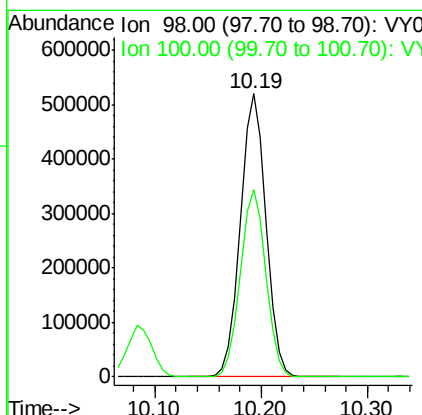
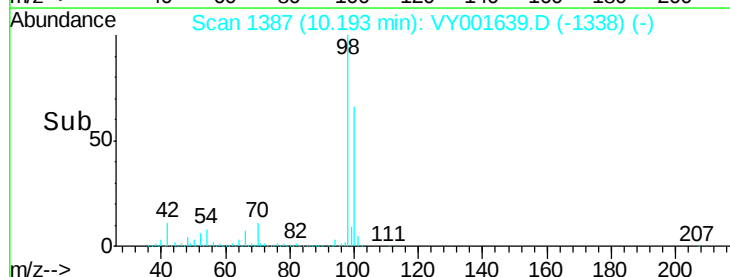
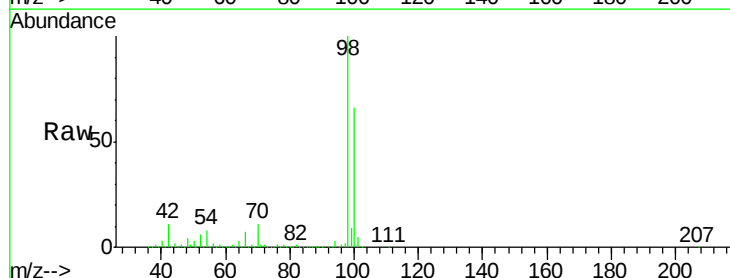
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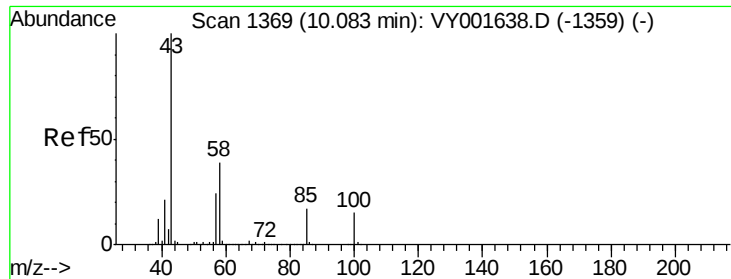
MMDadoda
2/19/2020 10:50:04 AM



#50
Toluene-d8
Concen: 110.114 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 623.346 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1042940

Ion Ratio Lower Upper

43 100

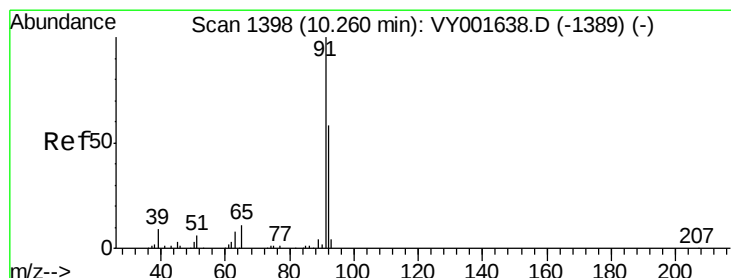
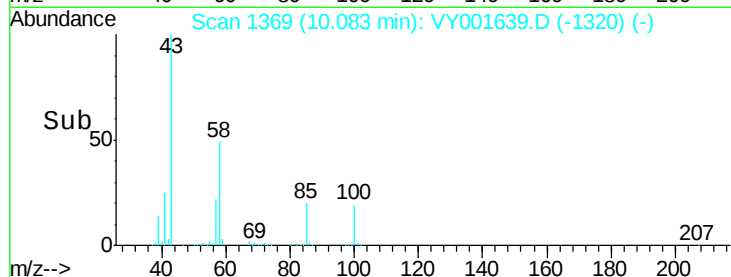
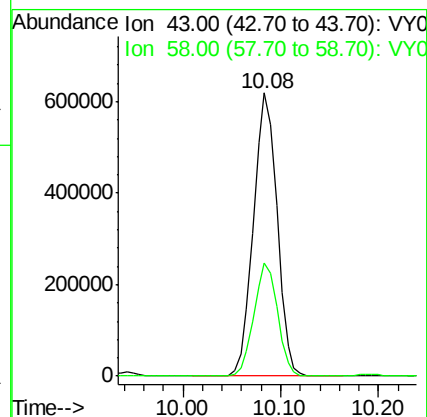
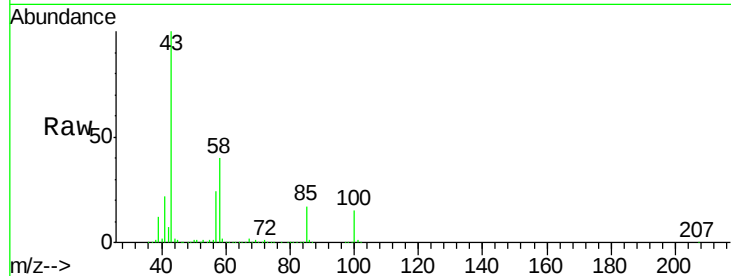
58 40.1 31.4 47.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 105.455 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001639.D

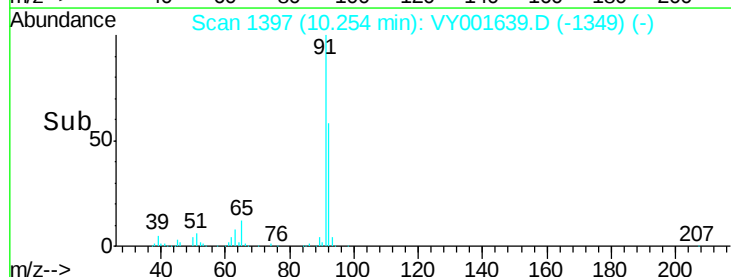
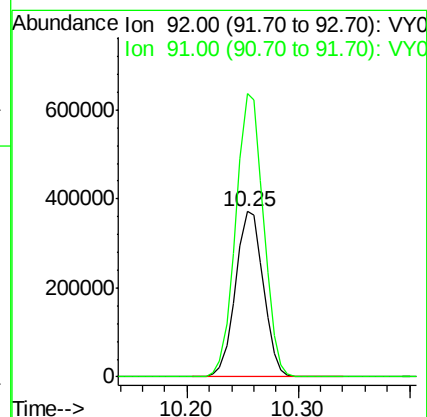
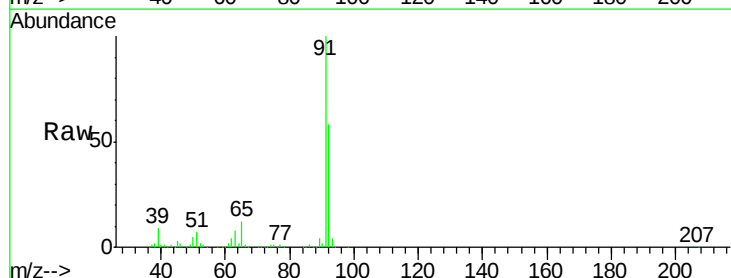
Acq: 17 Feb 2020 11:29

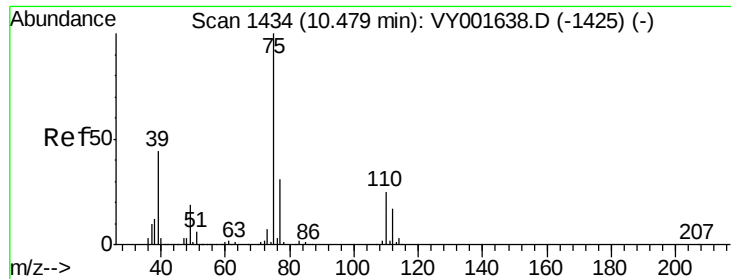
Tgt Ion: 92 Resp: 642710

Ion Ratio Lower Upper

92 100

91 170.5 136.6 204.8





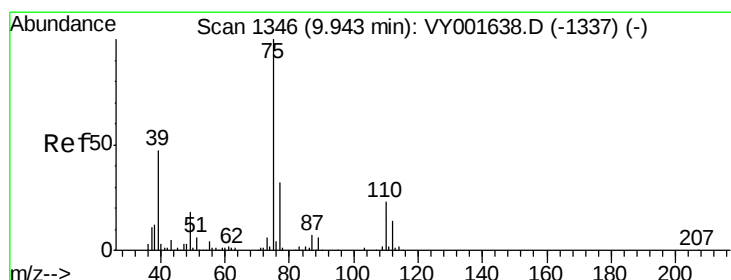
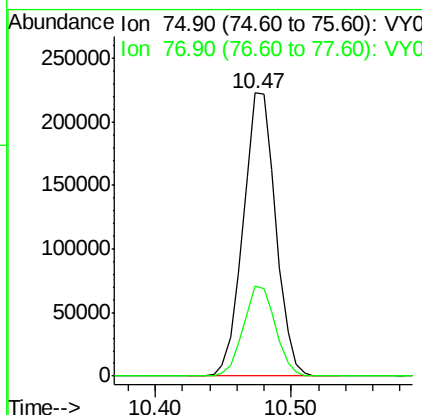
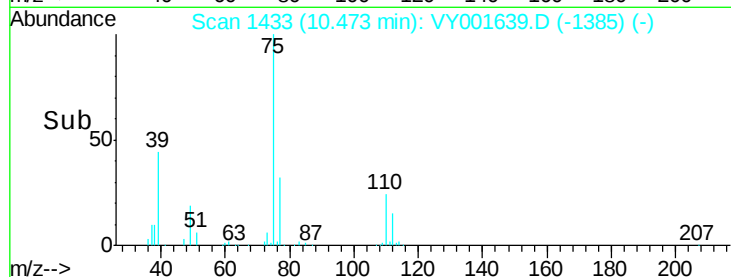
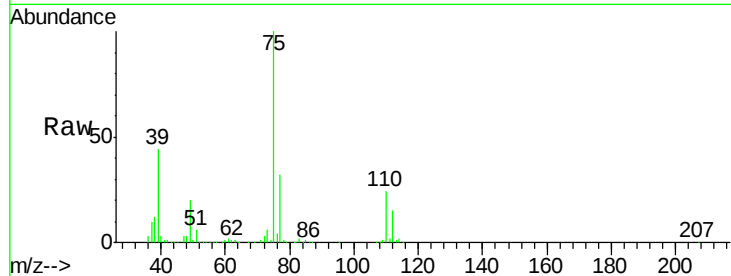
#53
 t-1,3-Dichloropropene
 Concen: 107.181 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 371759
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

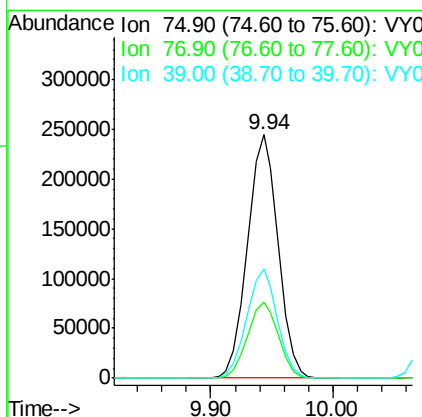
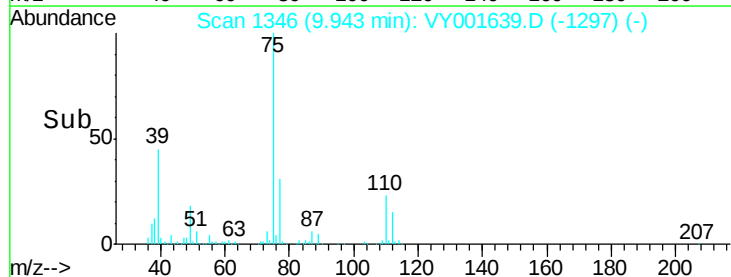
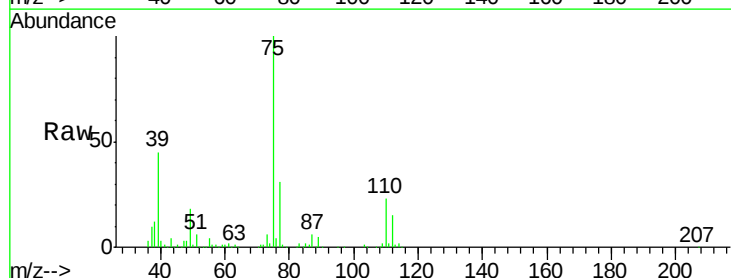
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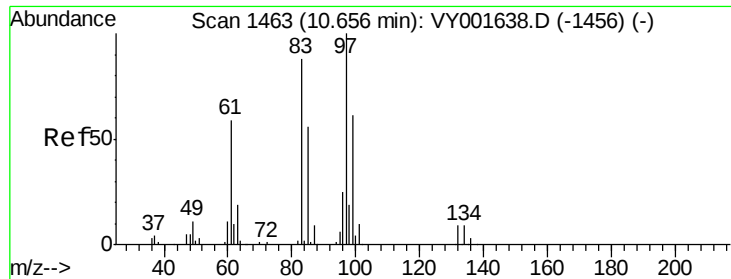
MMDadoda
 2/19/2020 10:50:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 107.180 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion: 75 Resp: 424334
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.9 38.9
 39 45.0 37.3 55.9





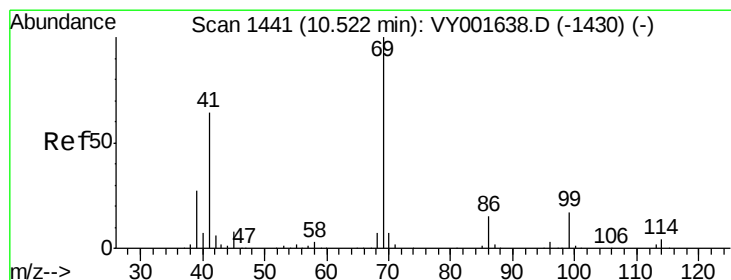
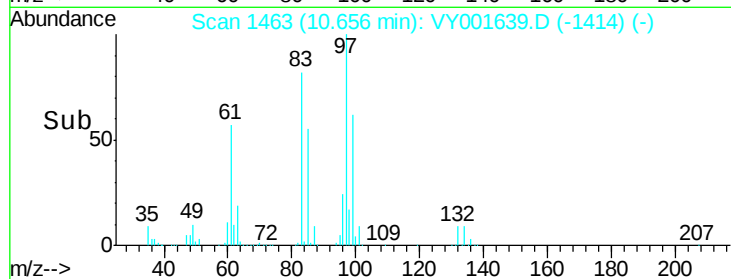
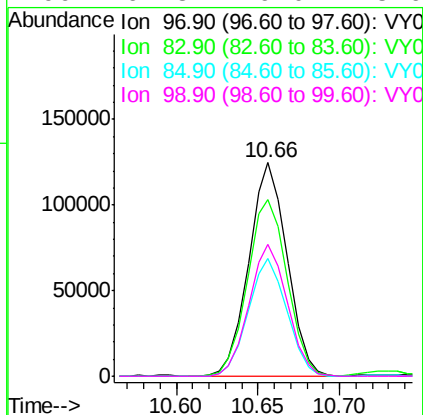
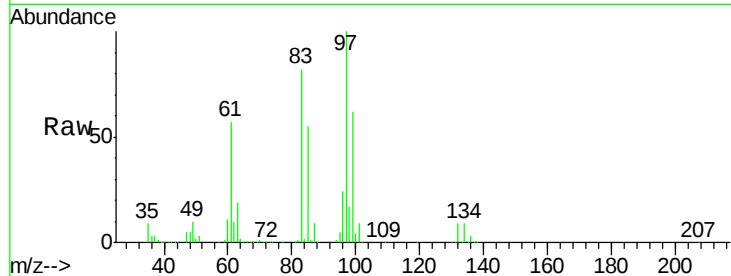
#55
 1,1,2-Trichloroethane
 Concen: 107.999 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	202910		
83	82.5	70.3	105.5	
85	55.1	44.6	66.8	
99	61.8	49.0	73.6	

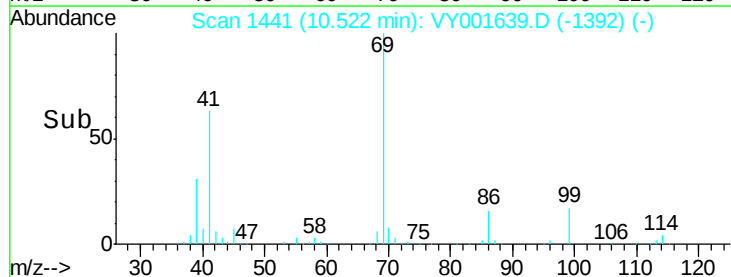
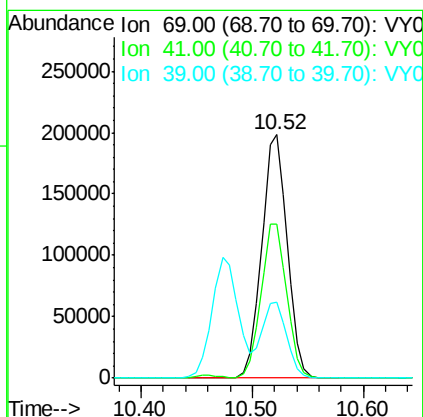
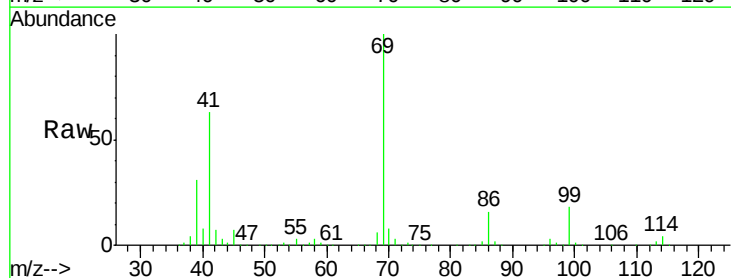
Manual Integrations
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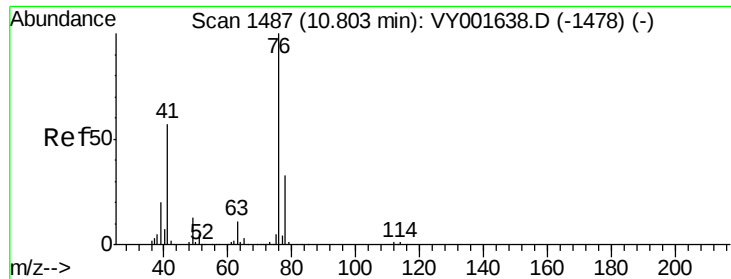
MMDadoda
 2/19/2020 10:50:04 AM



#56
 Ethyl methacrylate
 Concen: 116.973 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	316856		
41	63.7	51.9	77.9	
39	31.1	26.9	40.3	





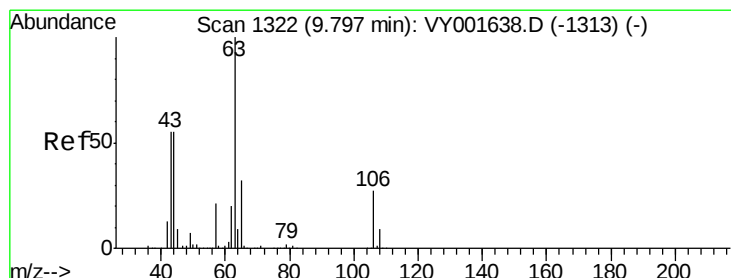
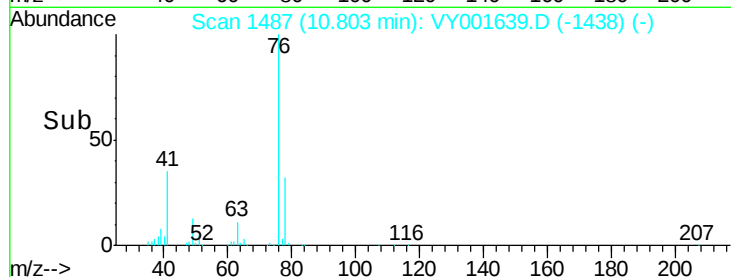
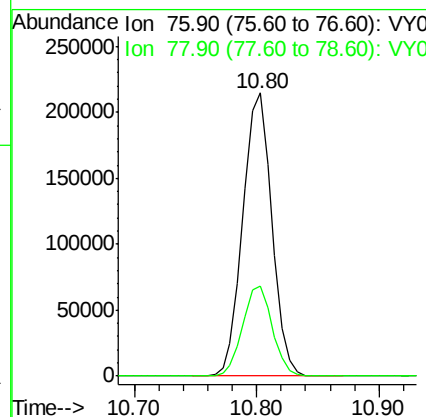
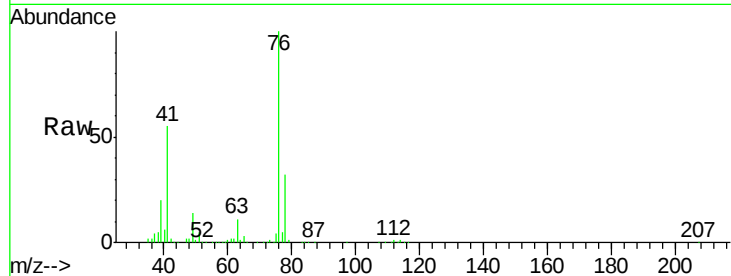
#57
 1,3-Dichloropropane
 Concen: 106.172 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

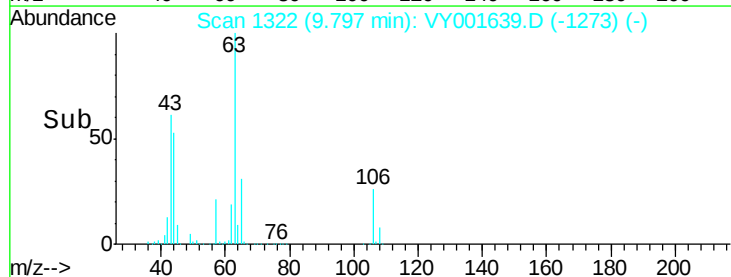
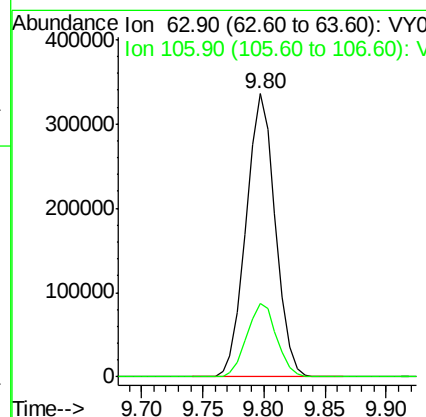
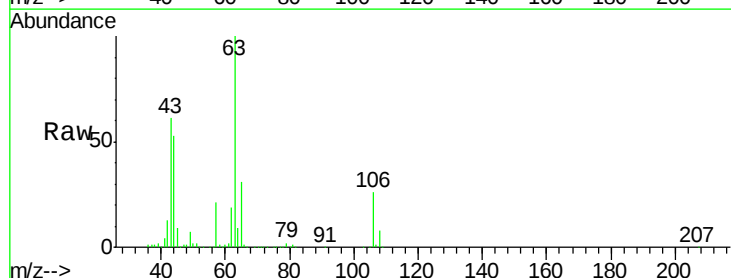
Manual Integrations
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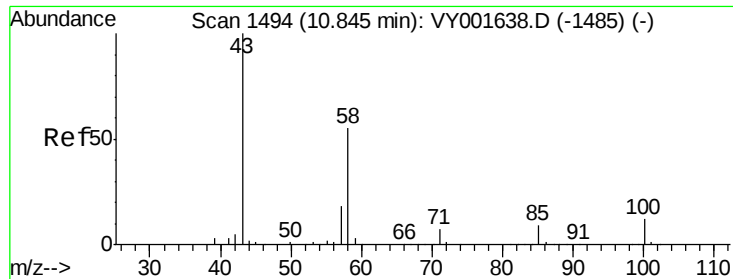
MMDadoda
 2/19/2020 10:50:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 567.133 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3





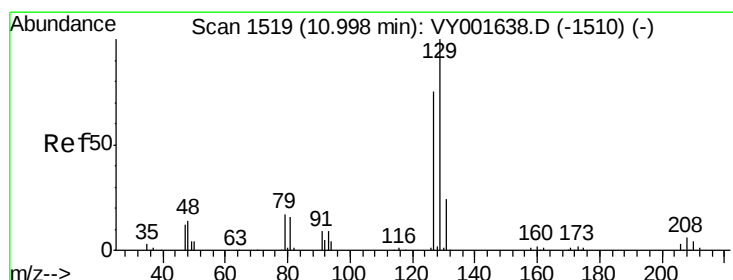
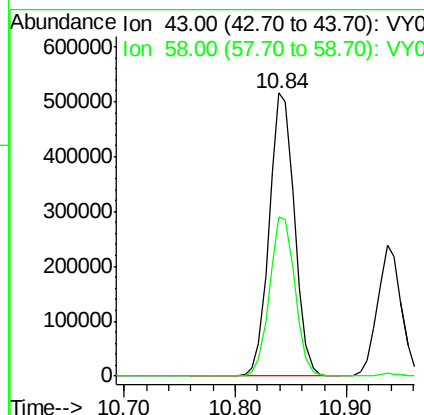
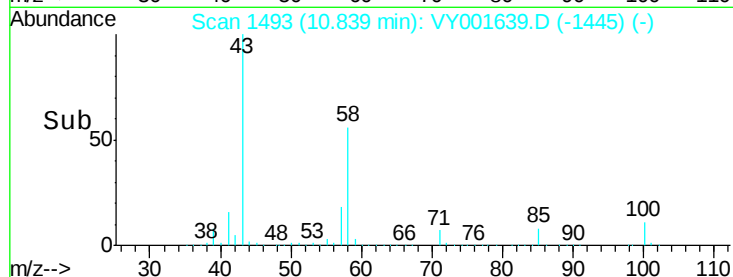
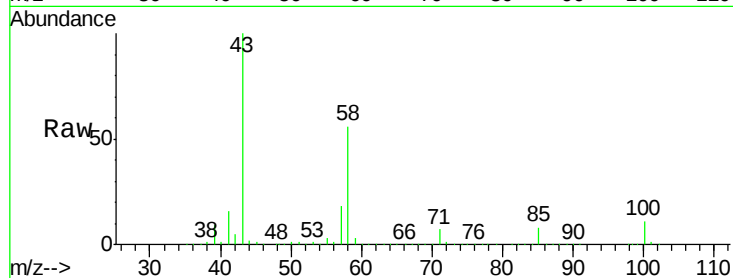
#59
2-Hexanone
Concen: 659.254 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 814166
Ion Ratio Lower Upper
43 100
58 56.6 27.8 83.3

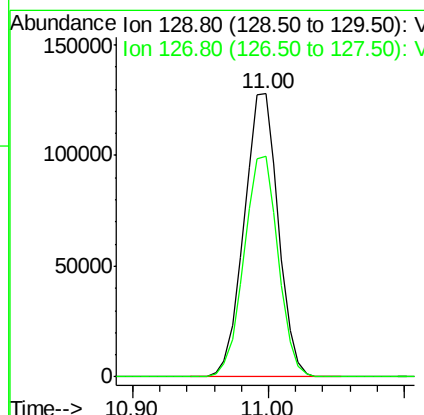
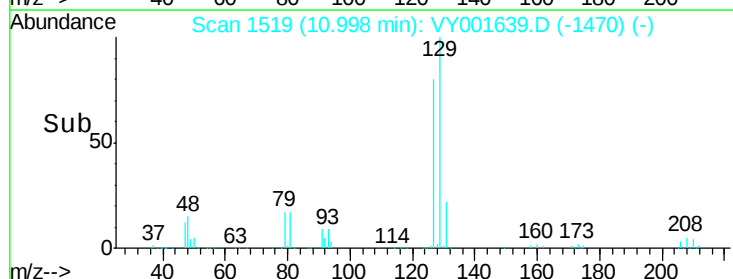
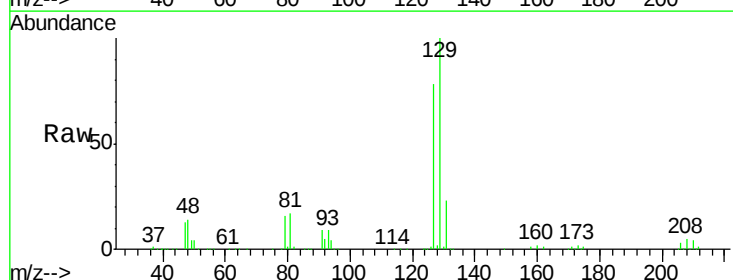
Manual Integrations
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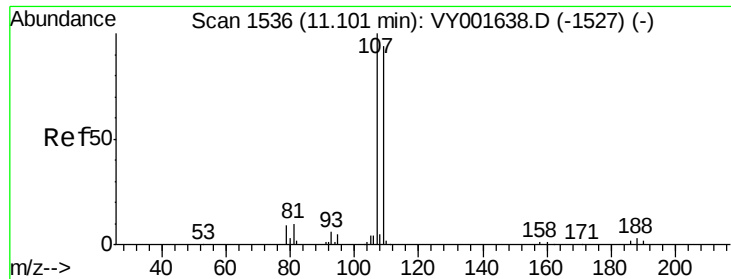
MMDadoda
2/19/2020 10:50:04 AM



#60
Dibromochloromethane
Concen: 102.693 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion: 129 Resp: 224907
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5





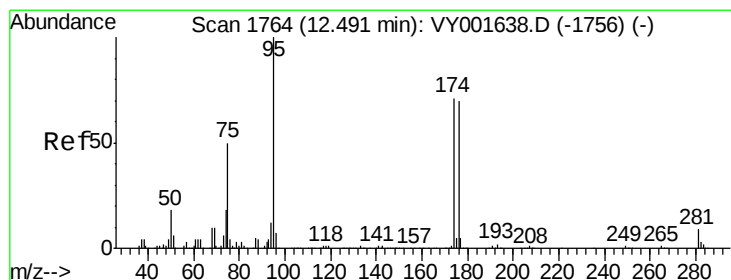
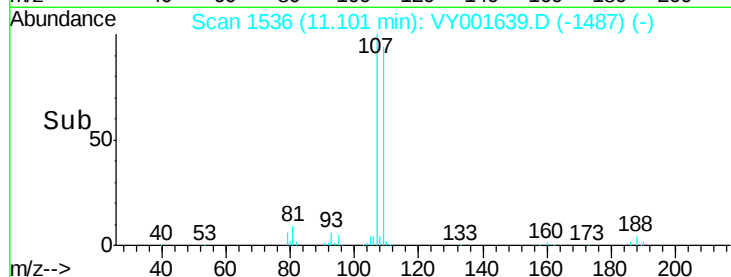
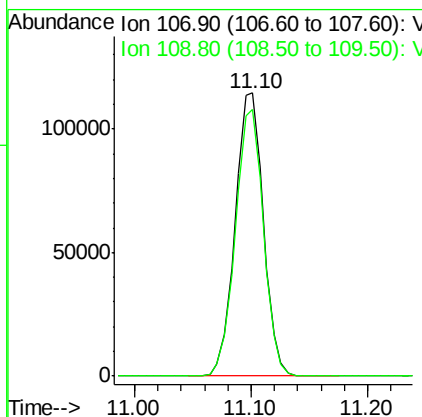
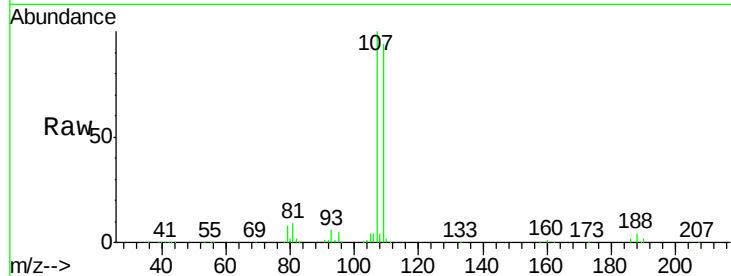
#61
 1,2-Dibromoethane
 Concen: 105.033 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	193255		
109	94.0	76.0	114.0	

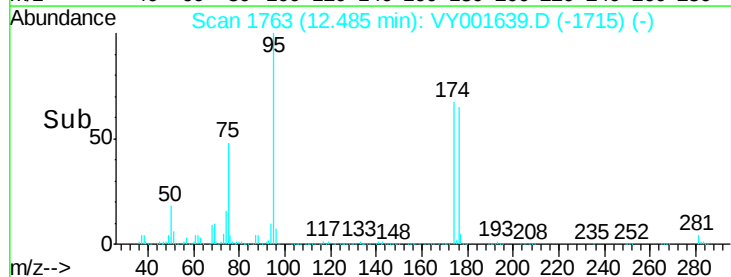
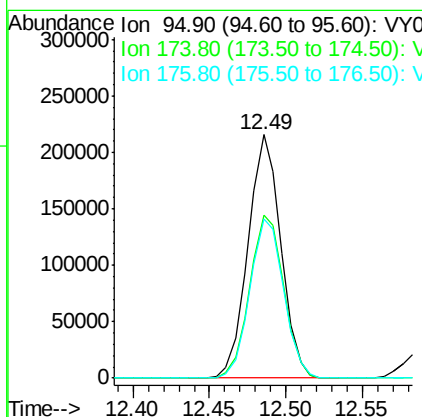
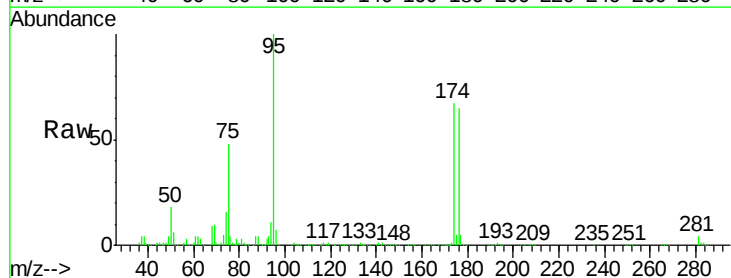
Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:04 AM



#62
 4-Bromofluorobenzene
 Concen: 102.350 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	321129		
174	69.8	0.0	144.4	
176	67.6	0.0	140.2	





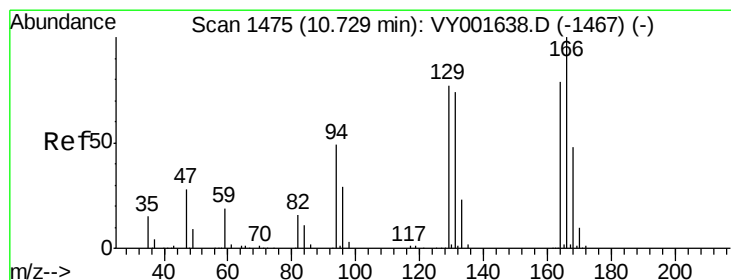
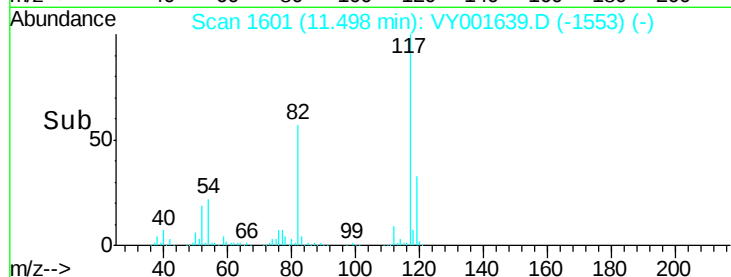
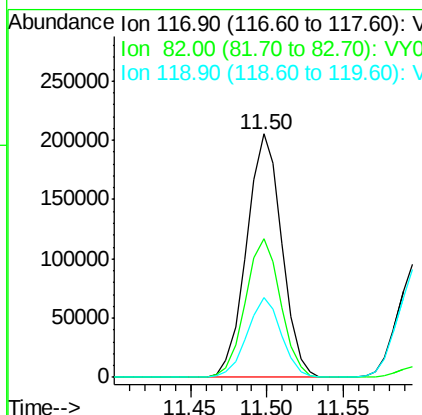
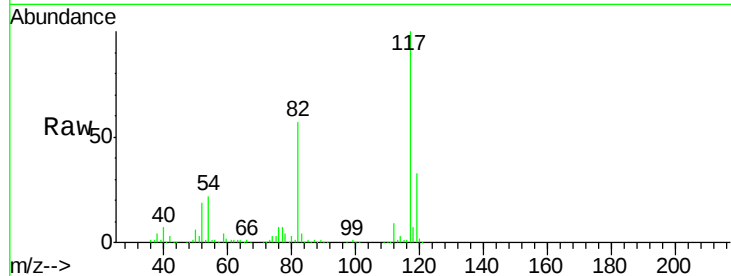
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.3	66.5
119	32.6	25.3	37.9

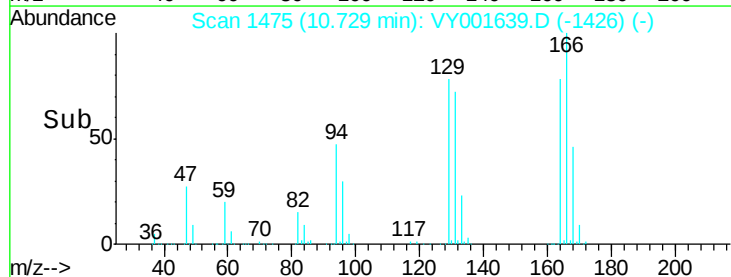
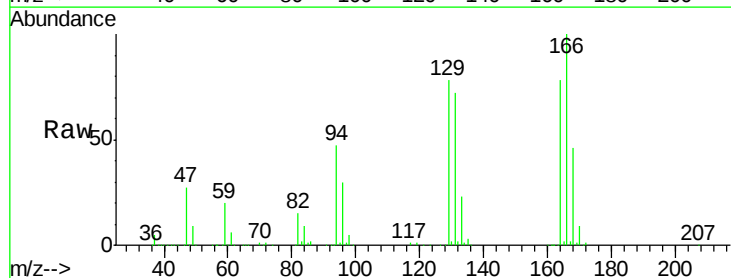
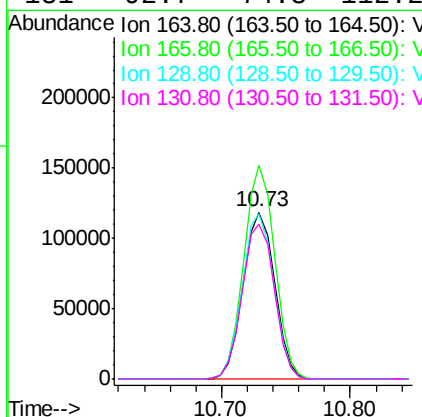
Manual Integrations
APPROVED

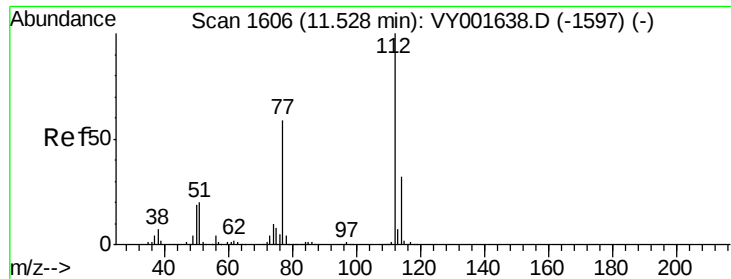
MMDadoda
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#64
Tetrachloroethene
Concen: 94.241 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.7	152.5
129	99.3	78.6	118.0
131	92.7	74.8	112.2





#65

Chlorobenzene

Concen: 100.970 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 650766

Ion Ratio Lower Upper

112 100

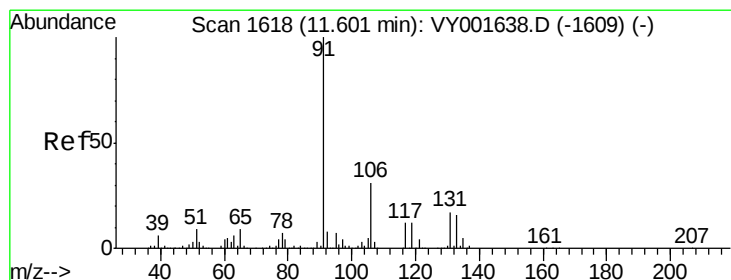
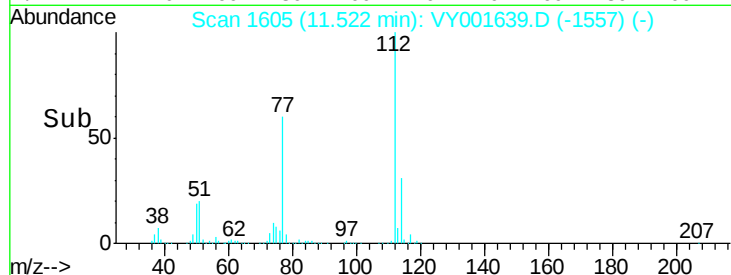
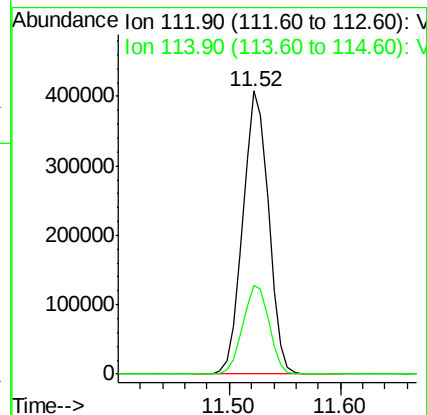
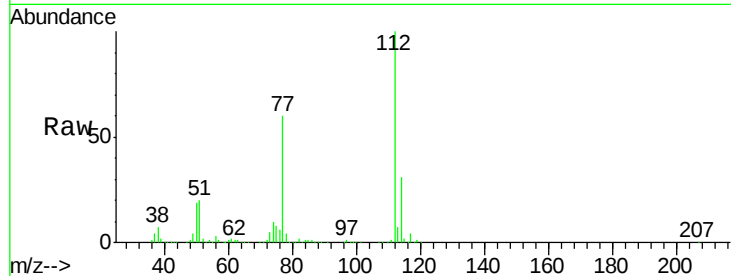
114 31.5 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 96.845 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

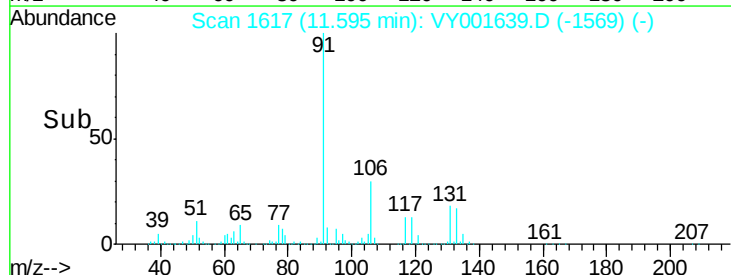
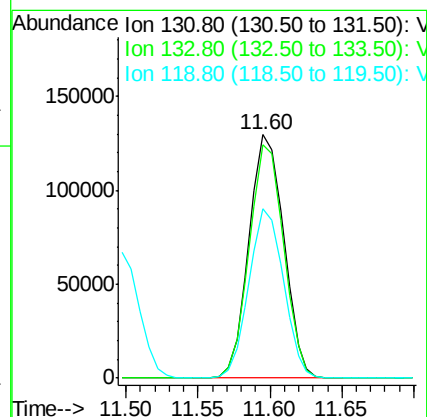
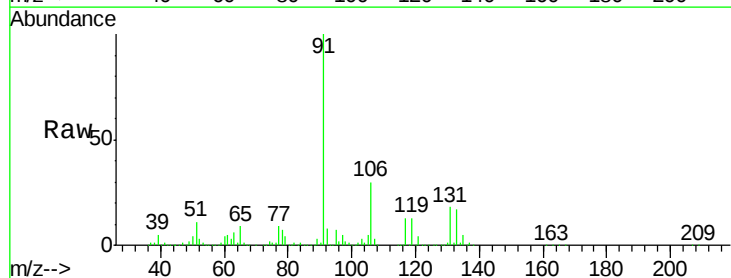
Tgt Ion:131 Resp: 217649

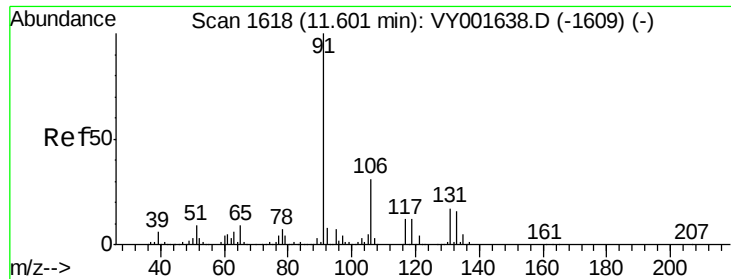
Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 69.2 33.9 101.7





#67

Ethyl Benzene

Concen: 101.364 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1210883

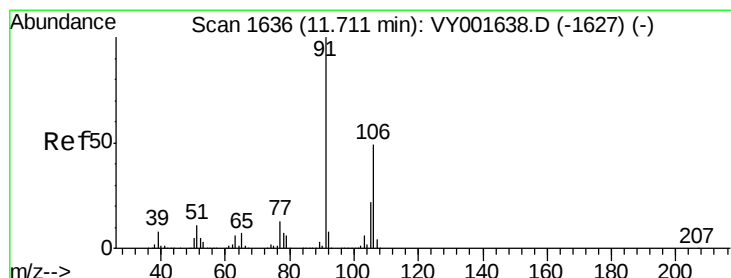
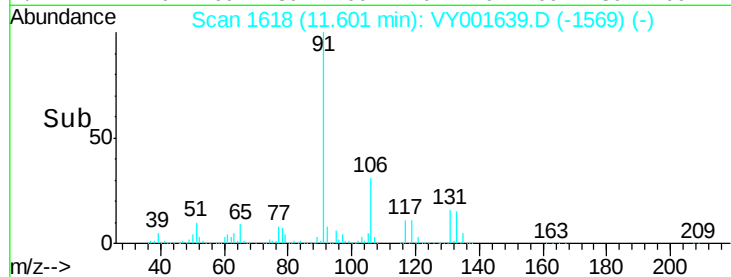
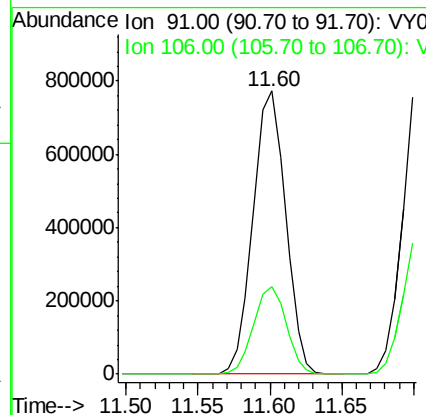
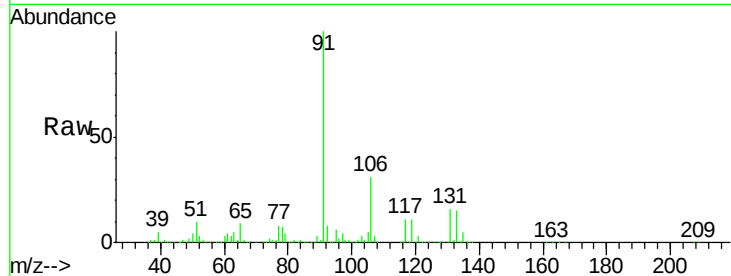
Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7

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#68

m/p-Xylenes

Concen: 200.713 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001639.D

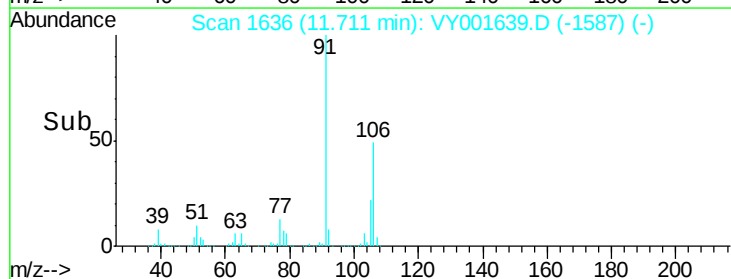
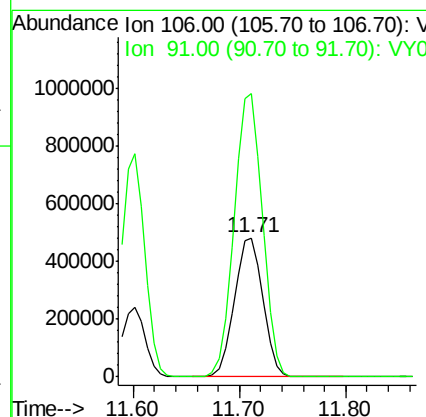
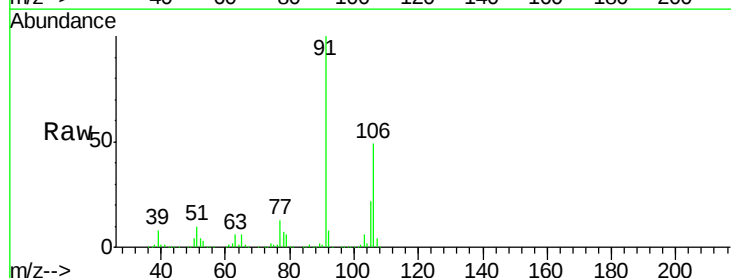
Acq: 17 Feb 2020 11:29

Tgt Ion: 106 Resp: 900593

Ion Ratio Lower Upper

106 100

91 203.6 161.7 242.5





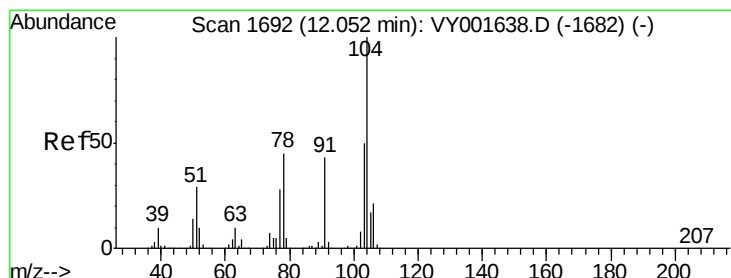
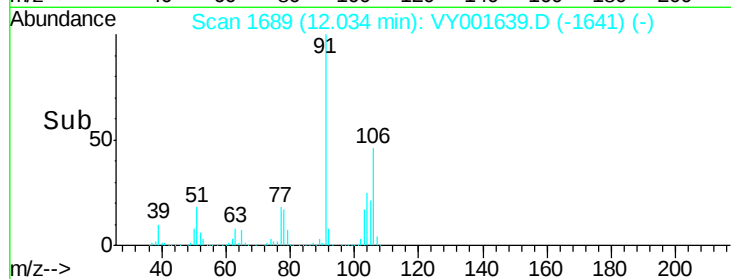
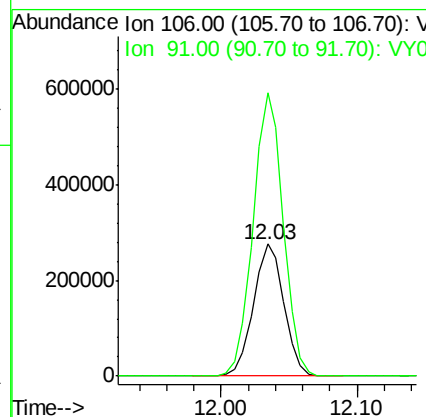
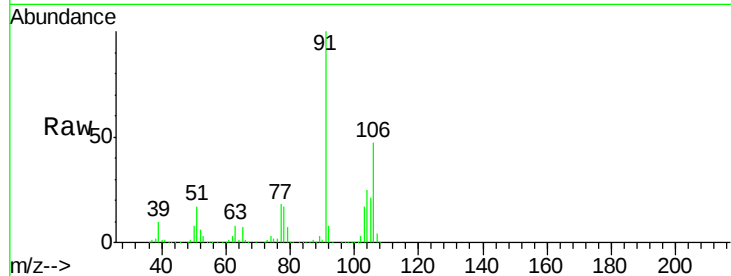
#69
o-Xylene
Concen: 102.075 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		432210		
91	212.2	105.1	315.3		

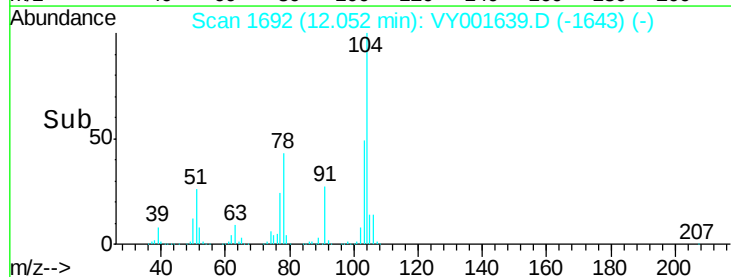
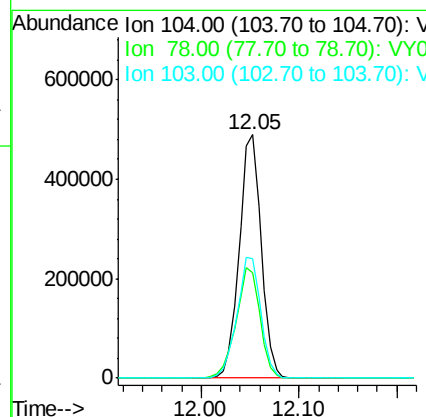
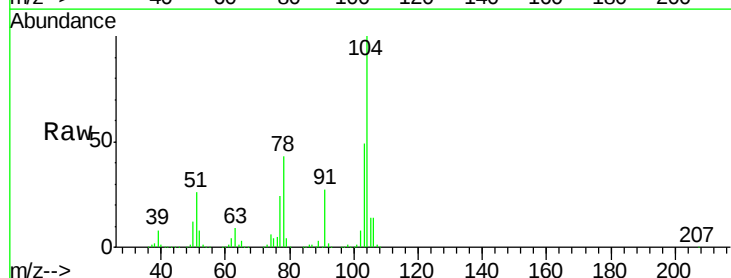
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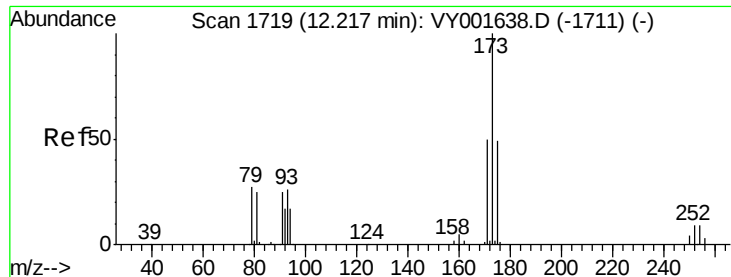
MMDadoda
2/19/2020 10:50:04 AM



#70
Styrene
Concen: 103.695 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		761198		
78	49.1	39.0	58.4		
103	53.8	42.8	64.2		





#71

Bromoform

Concen: 105.378 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

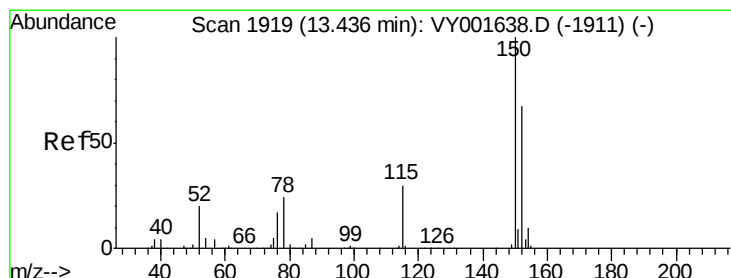
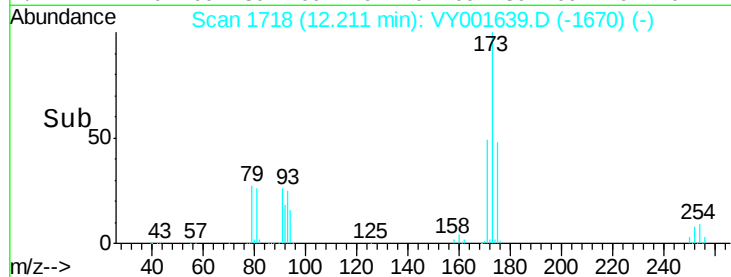
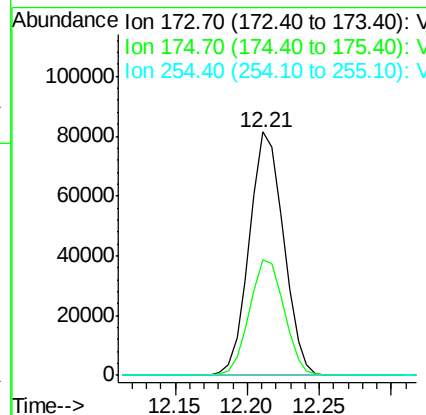
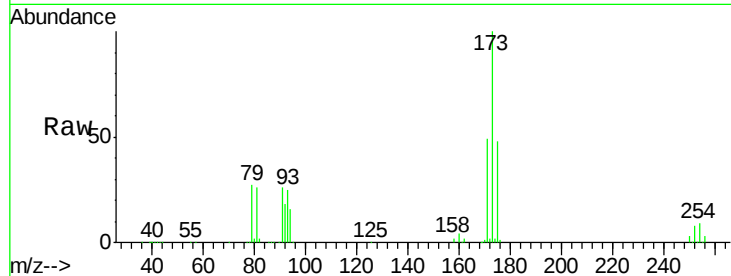
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

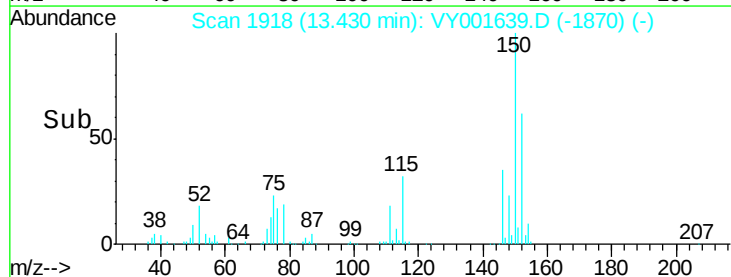
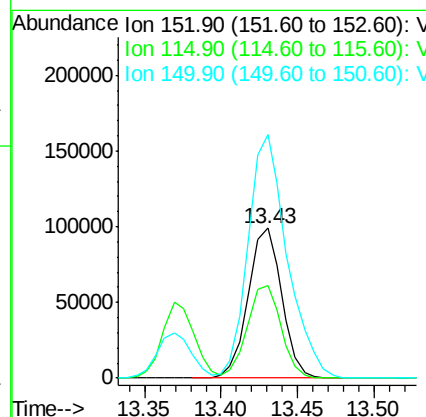
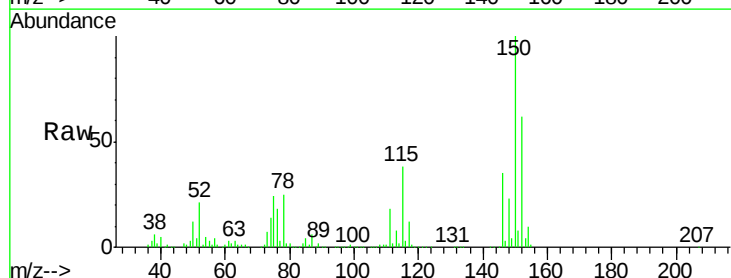
RT: 13.43 min Scan# 1918

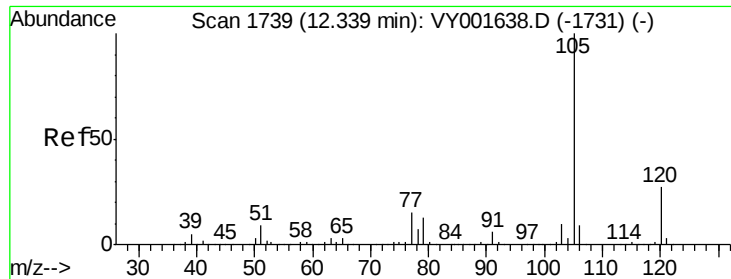
Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.9	92.8
150	189.4	0.0	350.0





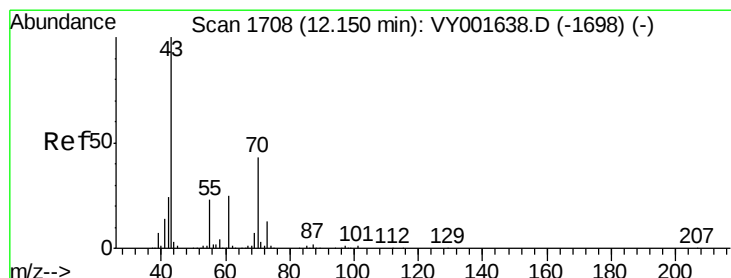
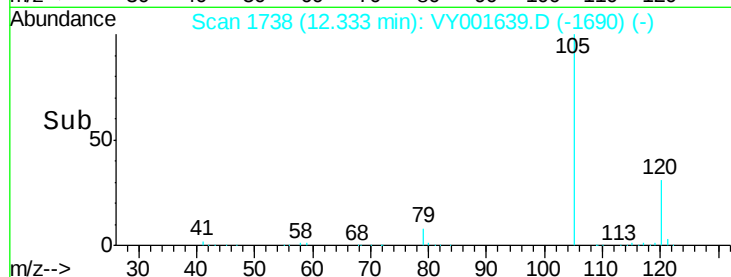
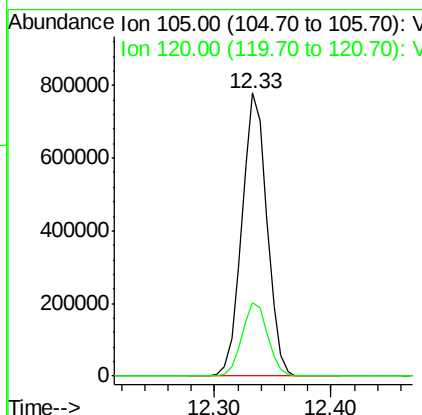
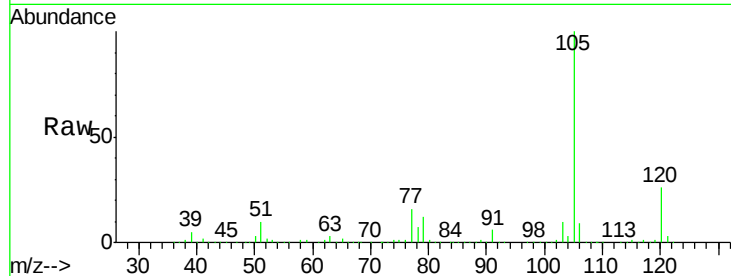
#73
Isopropylbenzene
Concen: 102.246 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1169500
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

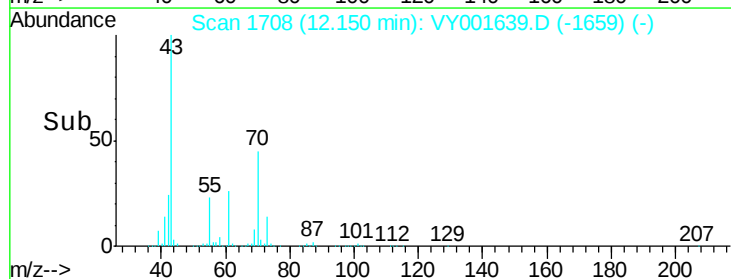
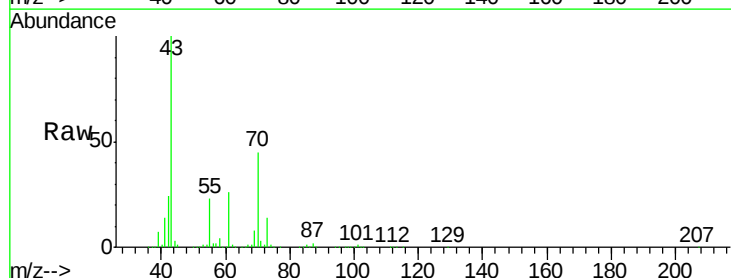
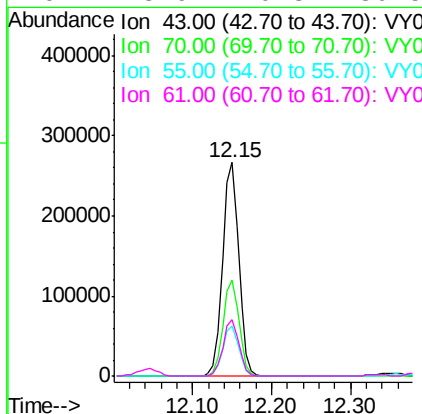
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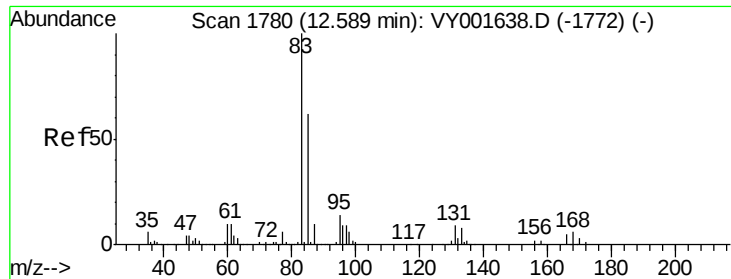
MMDadoda
2/19/2020 10:50:04 AM



#74
N-ethyl acetate
Concen: 121.458 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion: 43 Resp: 379503
Ion Ratio Lower Upper
43 100
70 44.5 35.0 52.6
55 23.4 18.3 27.5
61 25.9 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 114.949 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

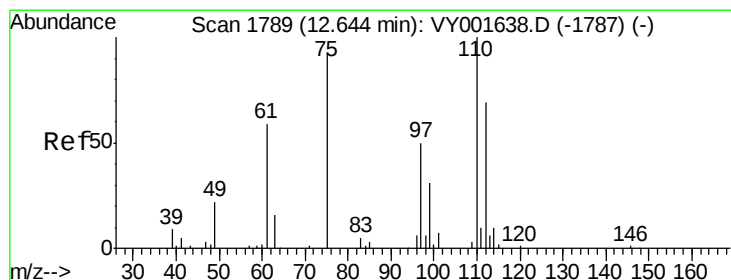
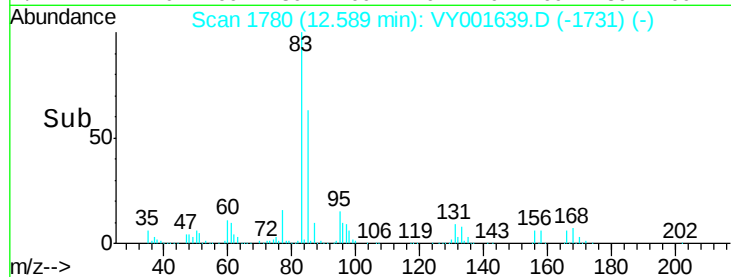
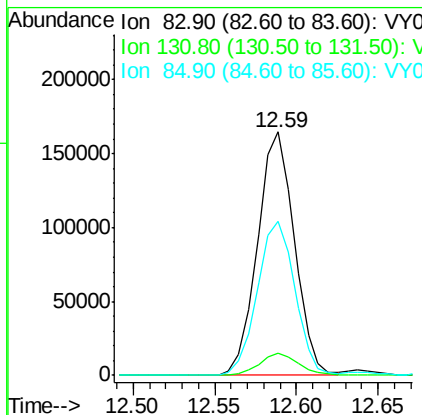
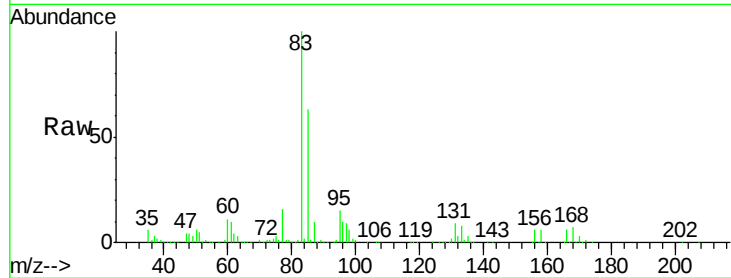
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	258234
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	64.6	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 109.459 ug/l m

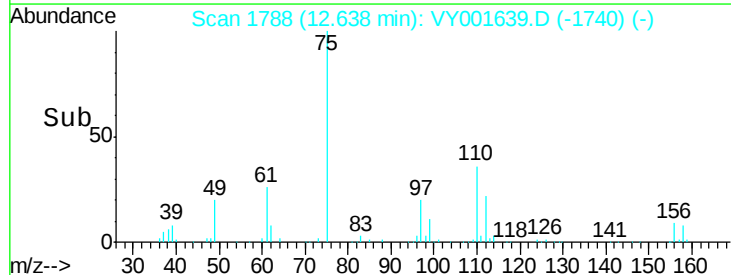
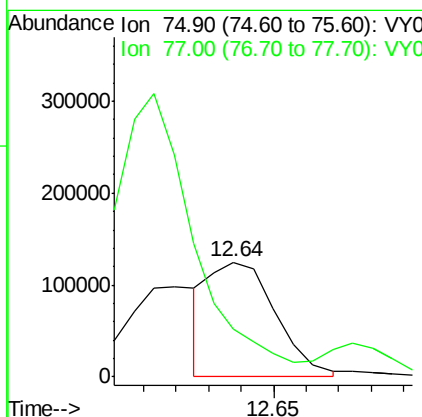
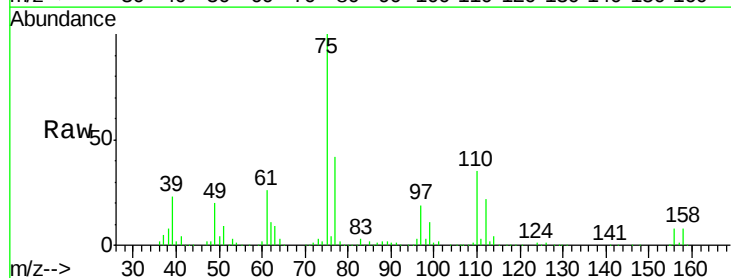
RT: 12.64 min Scan# 1788

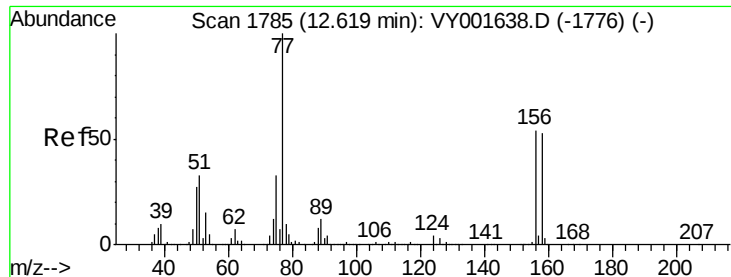
Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	75	Resp:	176937
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





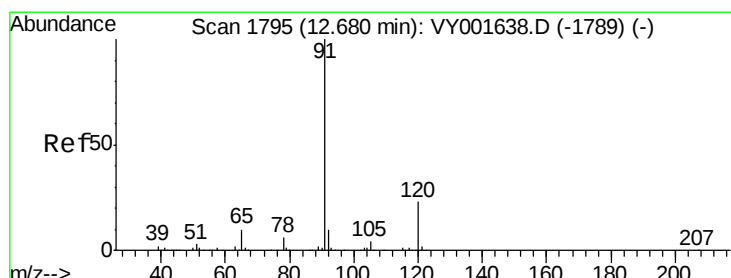
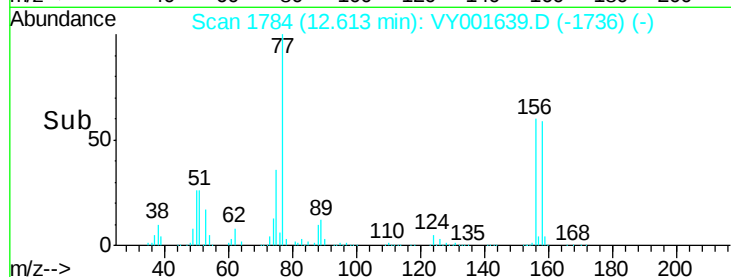
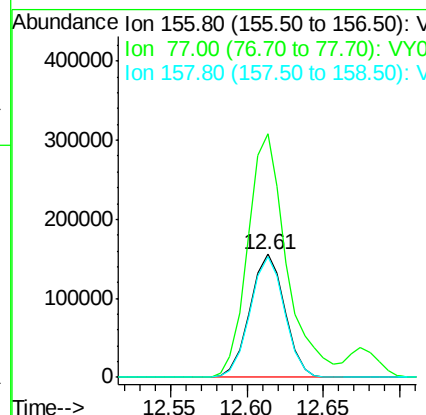
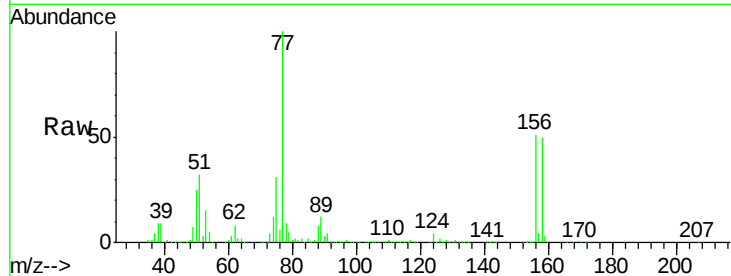
#77
Bromobenzene
Concen: 99.744 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.9	107.8	323.4
158	96.8	48.6	145.9

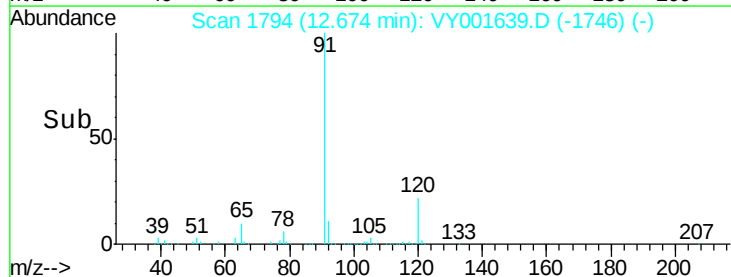
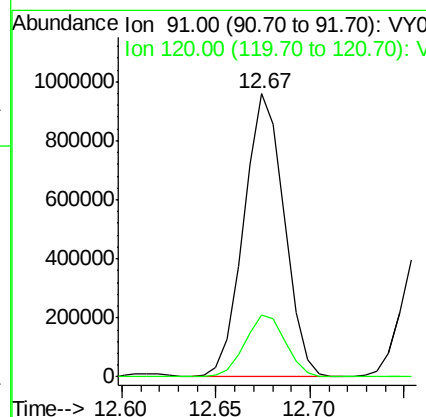
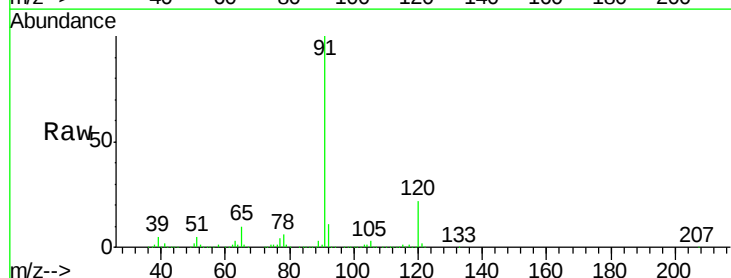
Manual Integrations
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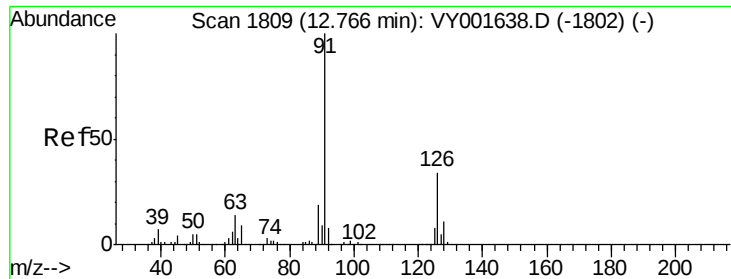
MMDadoda
2/19/2020 10:50:04 AM



#78
n-propylbenzene
Concen: 103.562 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.6





#79

2-Chlorotoluene

Concen: 102.714 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 802911

Ion Ratio Lower Upper

91 100

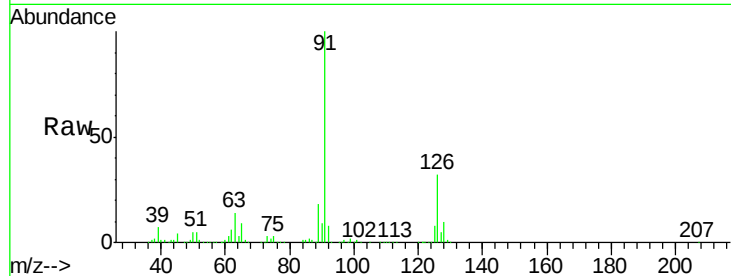
126 32.5 16.8 50.4

Manual Integrations

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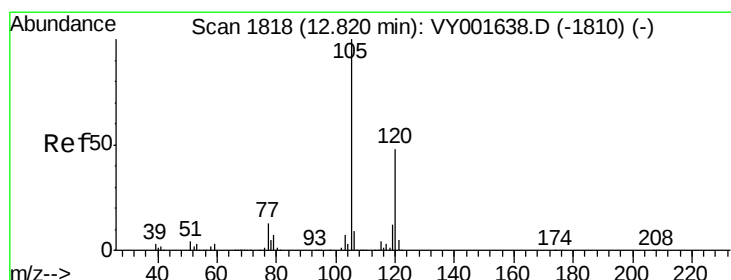
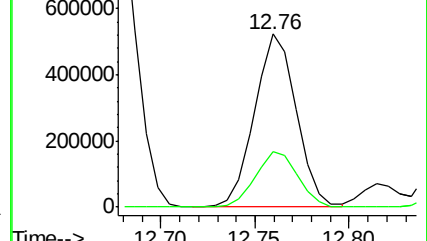
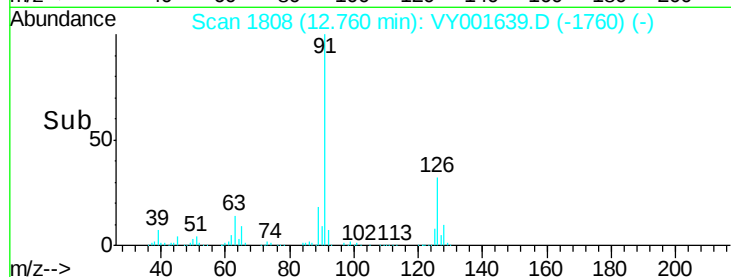
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY001639.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001639.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 100.044 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001639.D

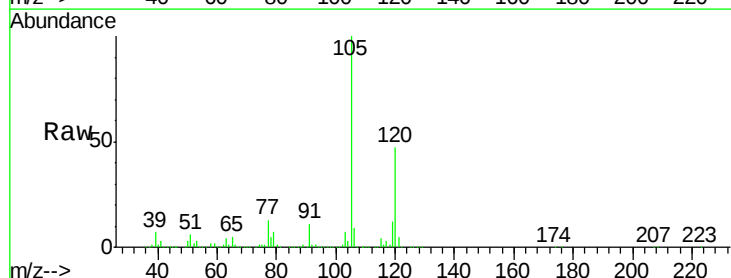
Acq: 17 Feb 2020 11:29

Tgt Ion: 105 Resp: 964061

Ion Ratio Lower Upper

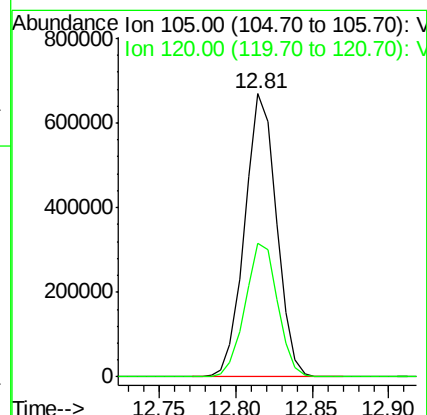
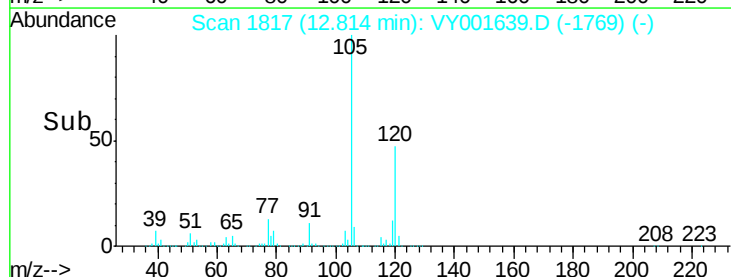
105 100

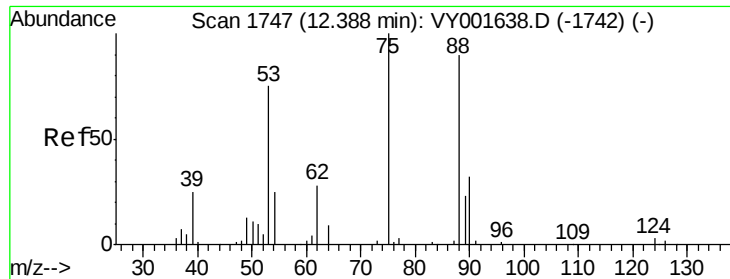
120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001639.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001639.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 114.432 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Instrument :

MSVOA_Y

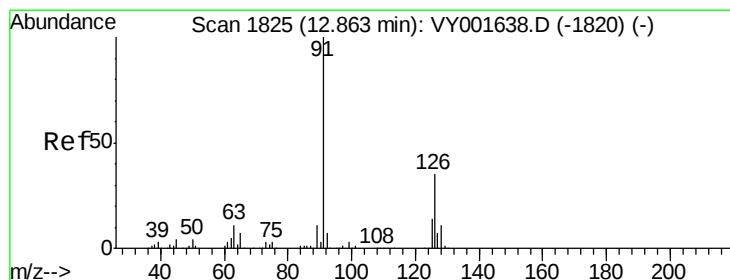
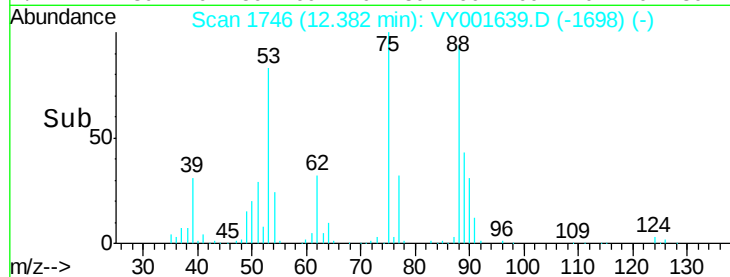
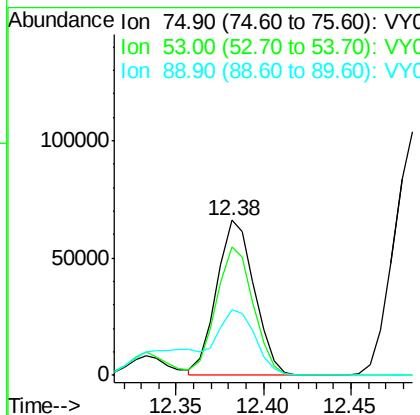
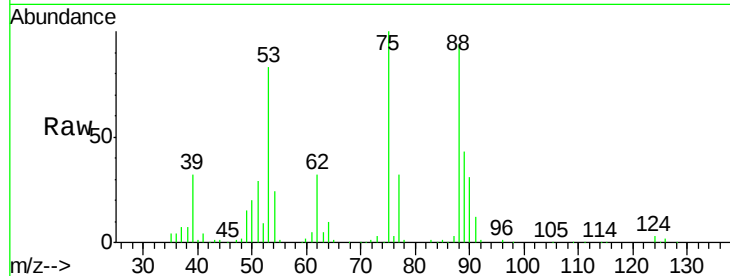
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	98773
Ion Ratio	Lower	Upper	
75	100		
53	82.1	63.4	95.0
89	71.6	33.0	49.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 101.608 ug/l

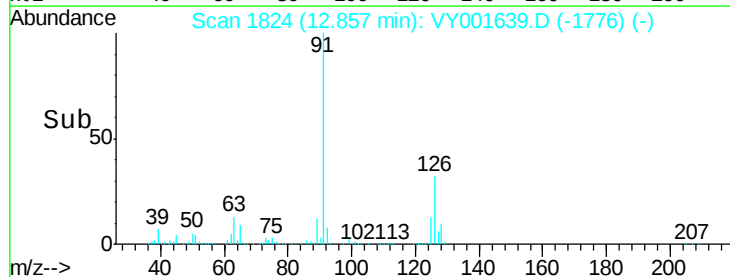
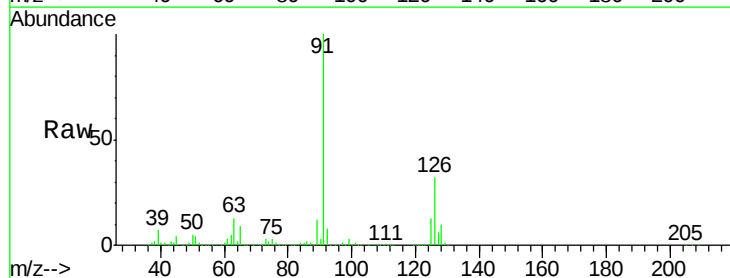
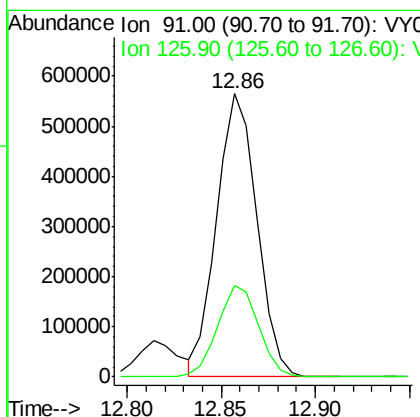
RT: 12.86 min Scan# 1824

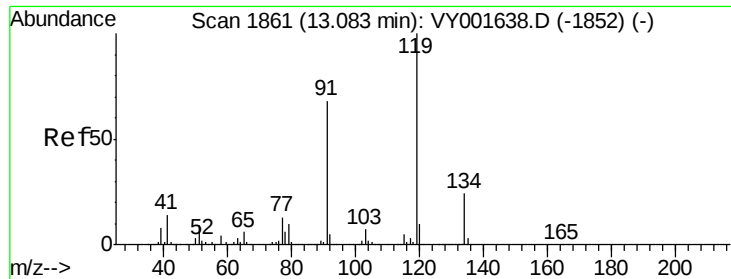
Delta R.T. -0.01 min

Lab File: VY001639.D

Acq: 17 Feb 2020 11:29

Tgt Ion:	91	Resp:	837369
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.3	48.8





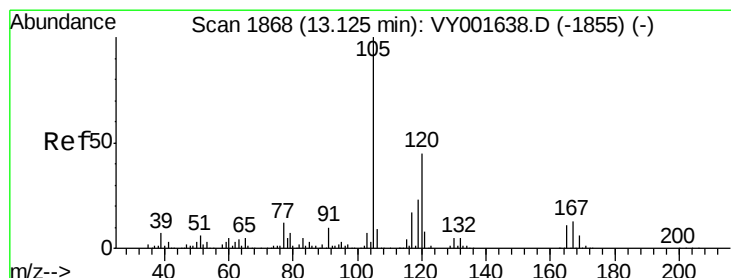
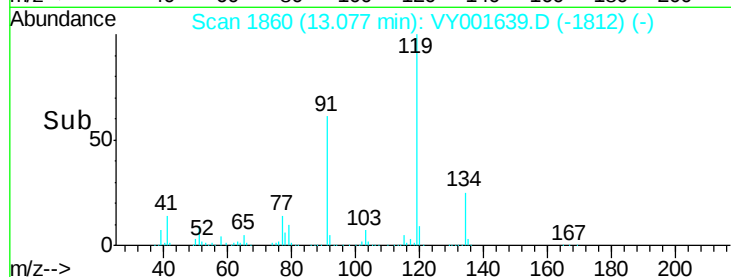
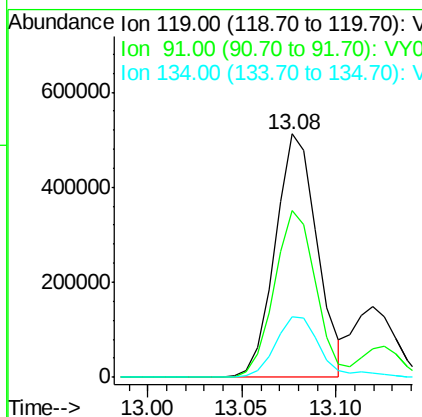
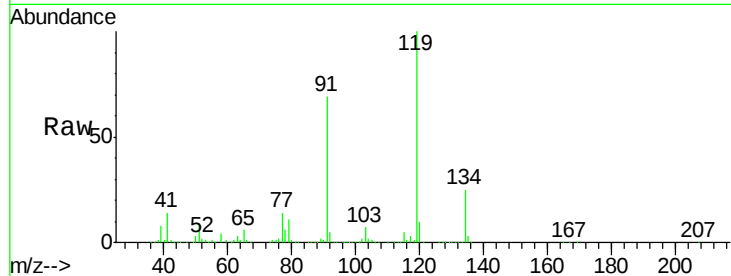
#83
tert-Butylbenzene
Concen: 97.356 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	790997		
91	68.2		33.1	99.5
134	27.0		13.0	39.0

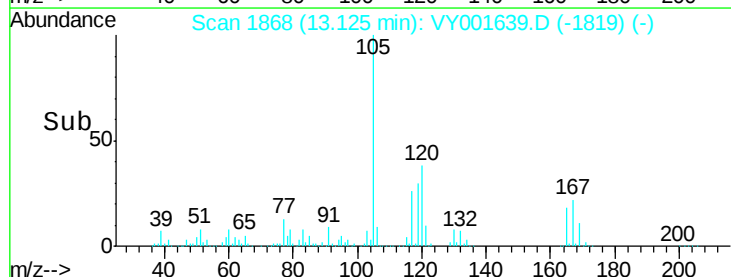
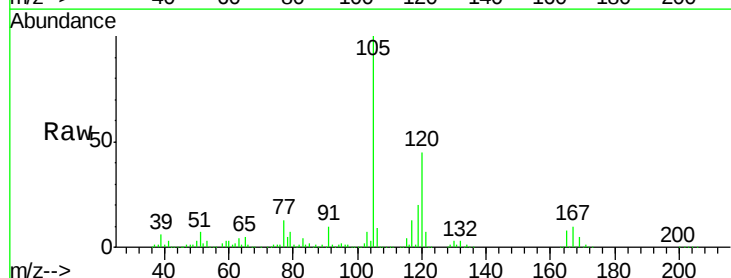
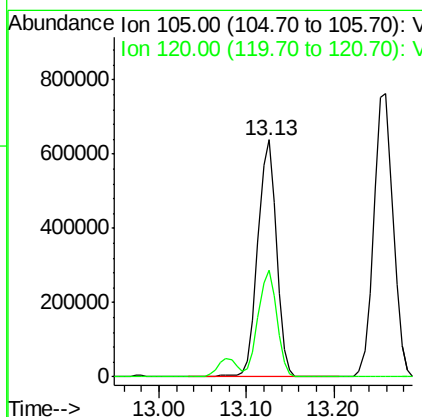
Manual Integrations
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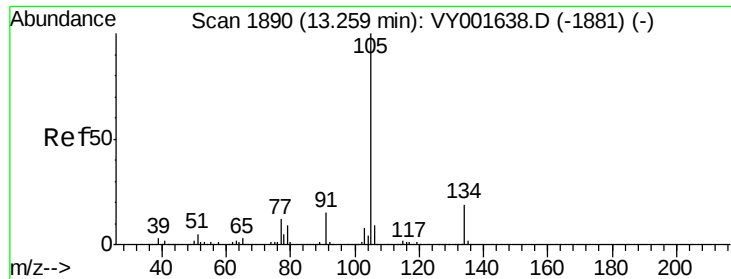
MMDadoda
2/19/2020 10:50:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 99.174 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	947098		
120	45.0		22.8	68.4





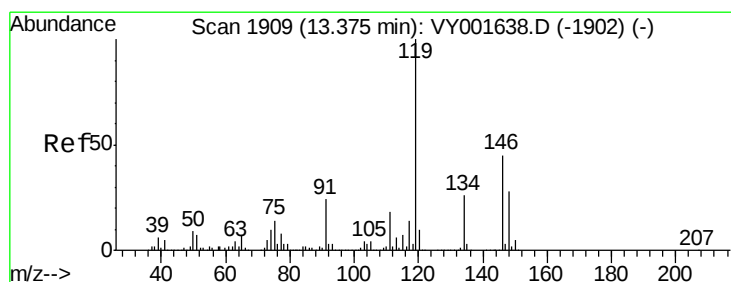
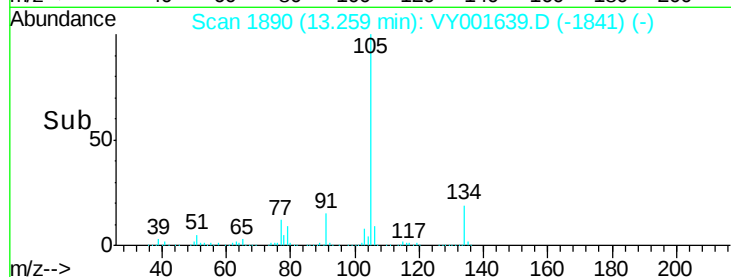
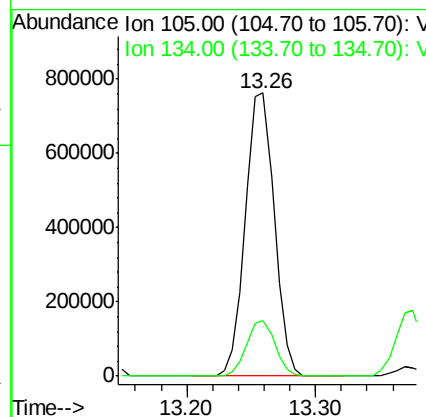
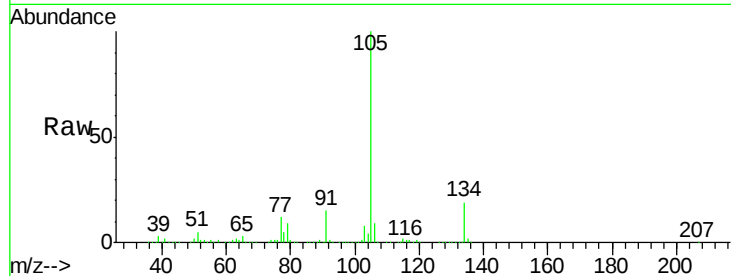
#85
 sec-Butylbenzene
 Concen: 102.770 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1181204
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5

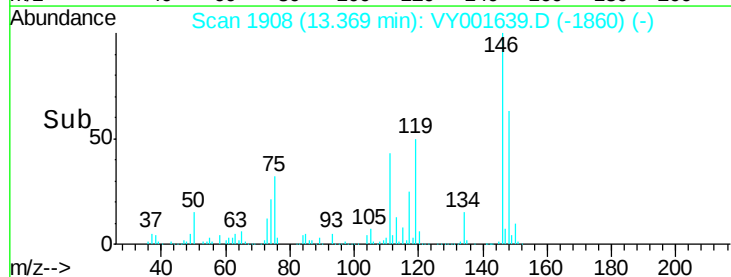
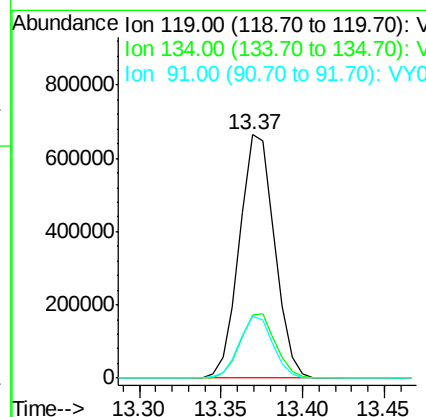
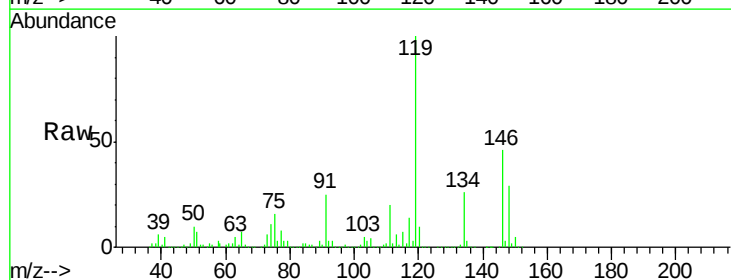
Manual Integrations
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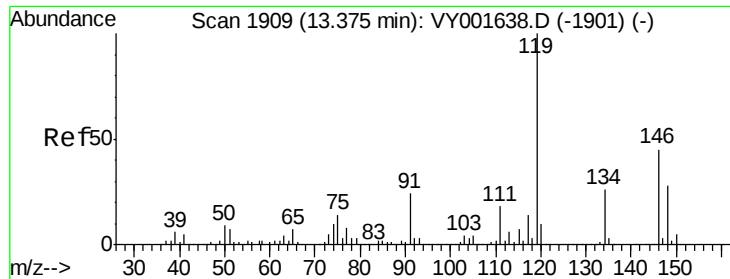
MMDadoda
 2/19/2020 10:50:04 AM



#86
 p-Isopropyltoluene
 Concen: 98.598 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion:119 Resp: 997990
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 24.4 11.9 35.7





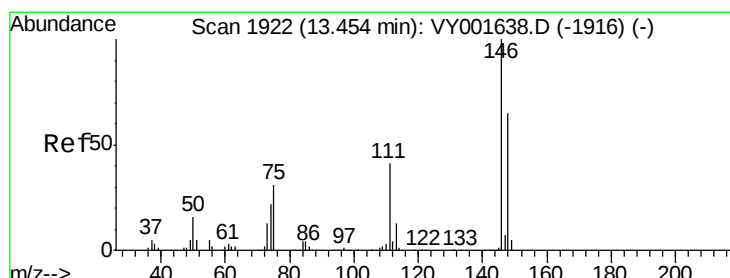
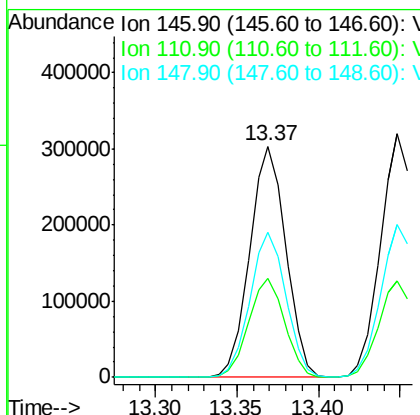
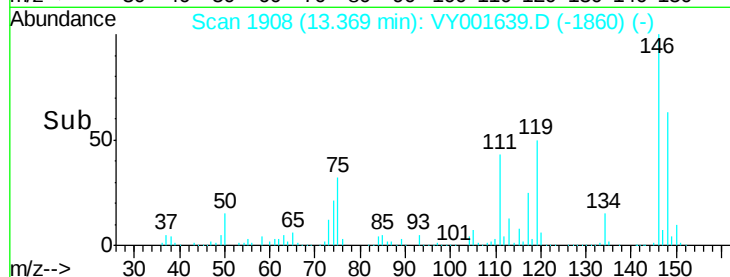
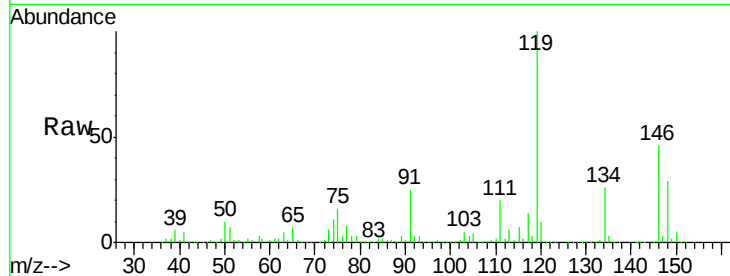
#87
 1,3-Dichlorobenzene
 Concen: 98.219 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	62.5	31.6	94.7

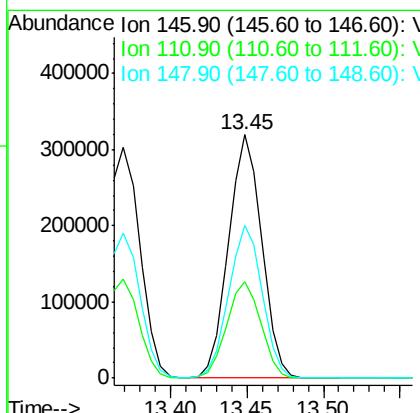
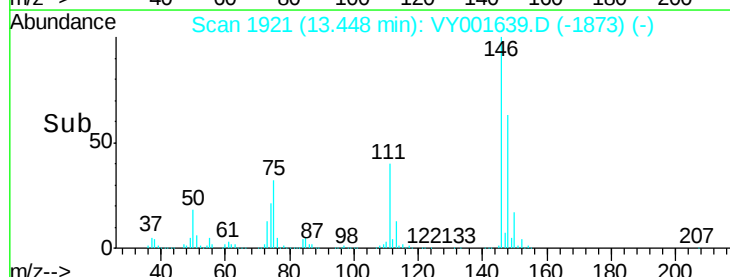
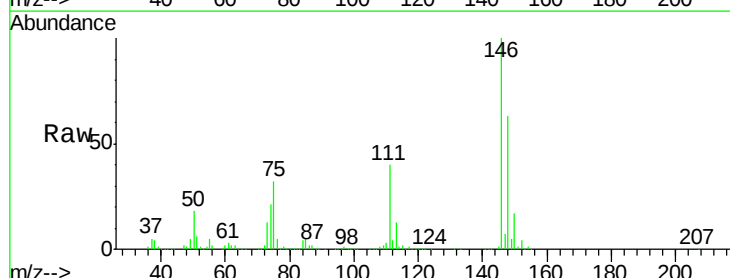
Manual Integrations
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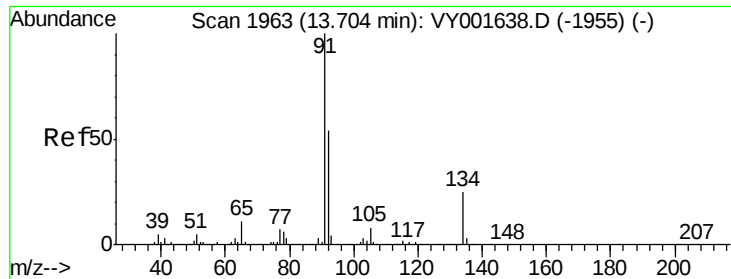
MMDadoda
 2/19/2020 10:50:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 100.674 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	63.2	32.0	96.2





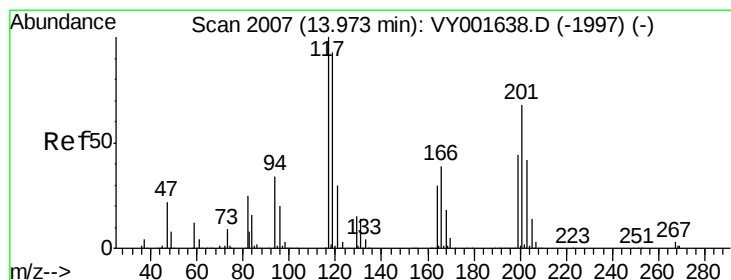
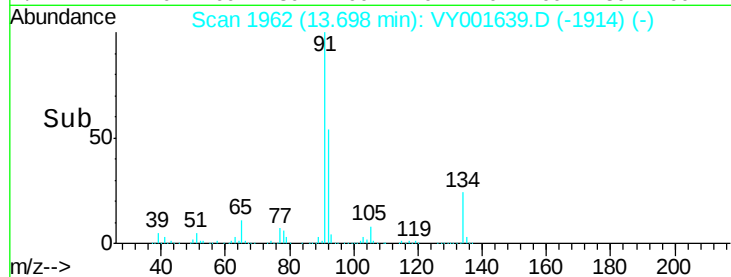
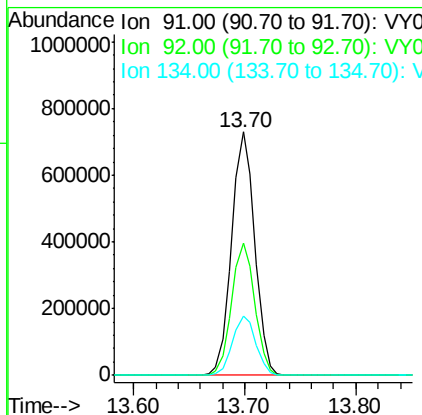
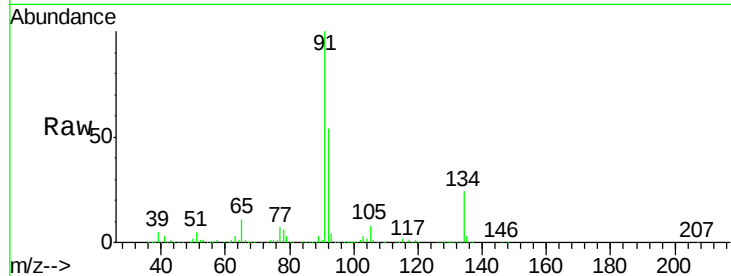
#89
n-Butylbenzene
Concen: 104.126 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	24.7	12.6	37.6

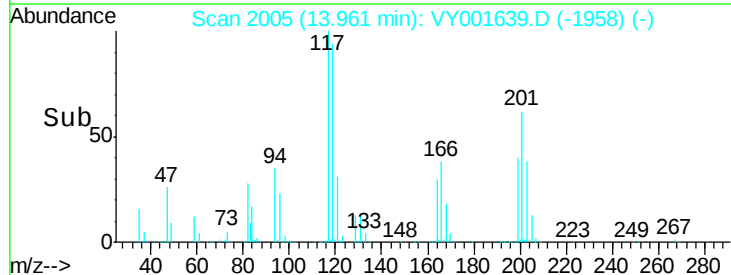
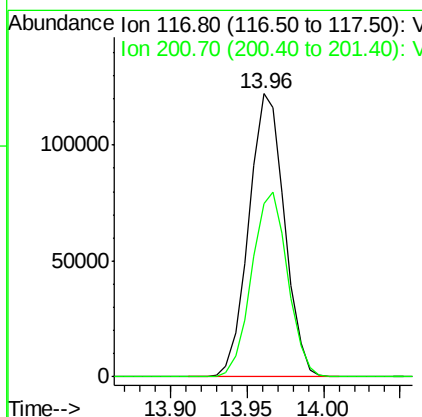
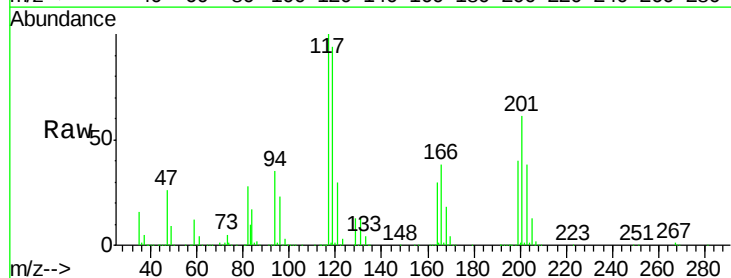
Manual Integrations
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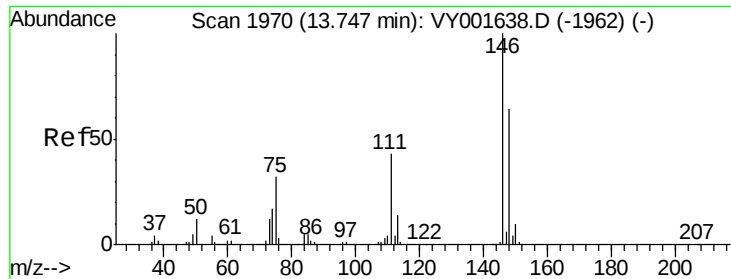
MMDadoda
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#90
Hexachloroethane
Concen: 101.997 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	33.3	99.8





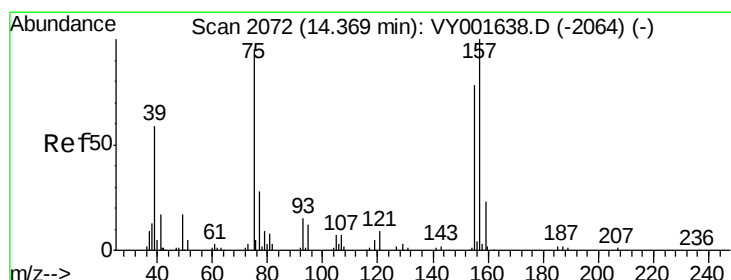
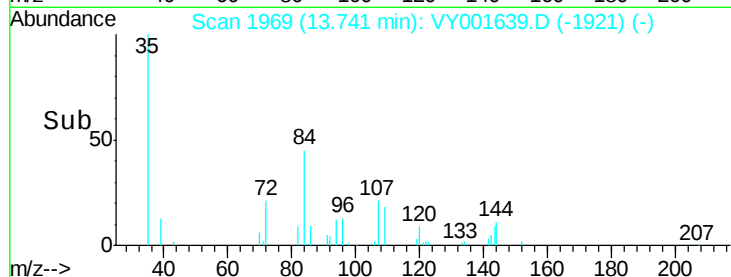
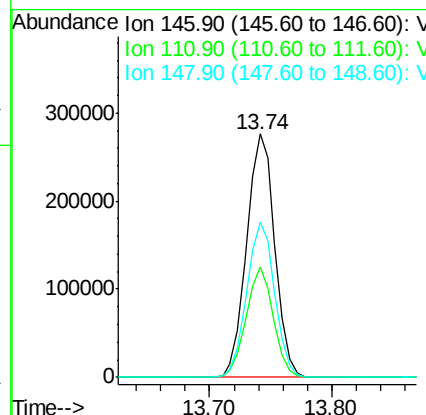
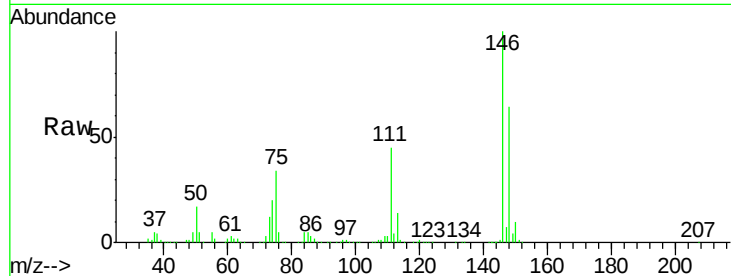
#91
 1,2-Dichlorobenzene
 Concen: 101.257 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.3	31.5	94.5

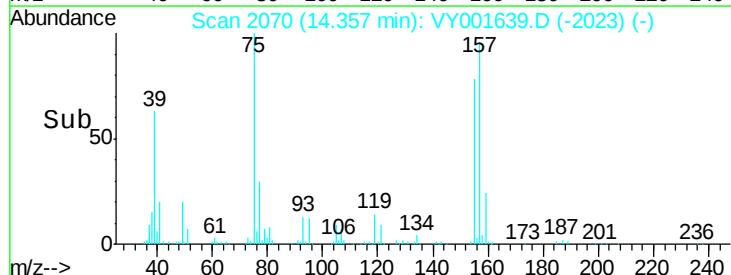
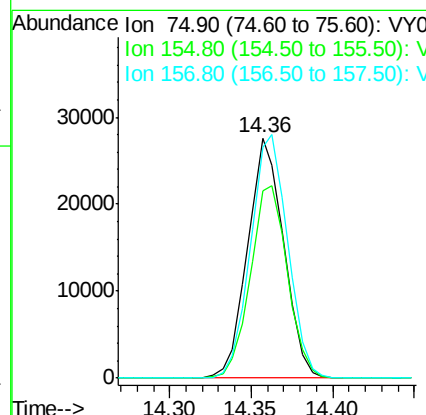
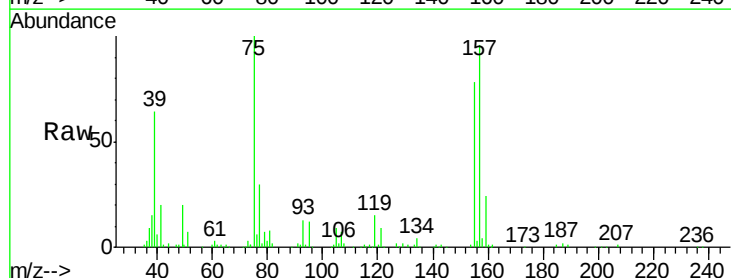
Manual Integrations
 APPROVED

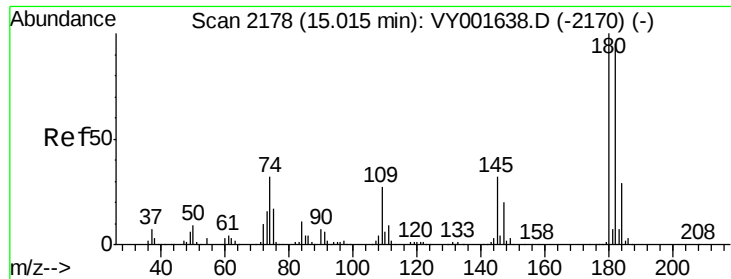
MMDadoda
 2/19/2020 10:50:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.902 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY001639.D
 Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.1	126.4
157	104.4	53.0	159.1





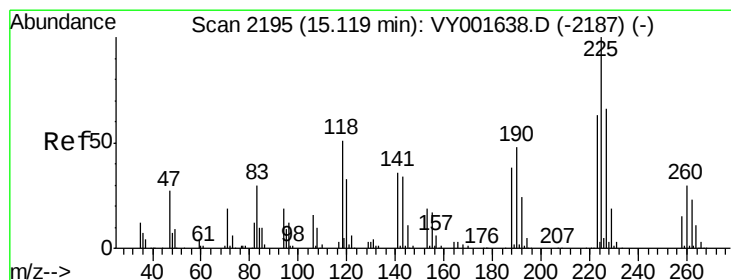
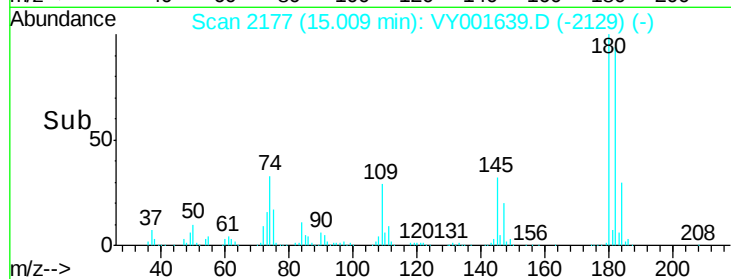
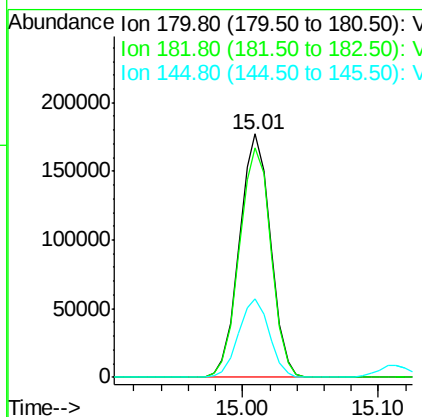
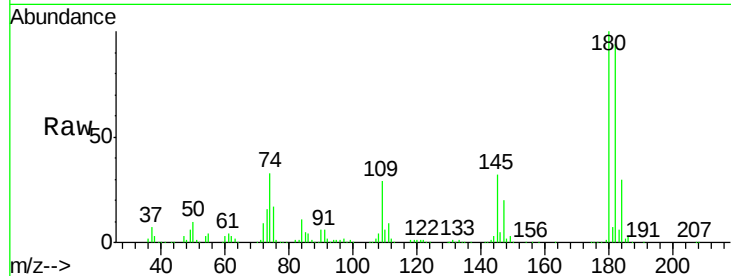
#93
1,2,4-Trichlorobenzene
Concen: 96.923 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283126		
182	95.3	46.9	140.7	
145	32.0	15.6	46.8	

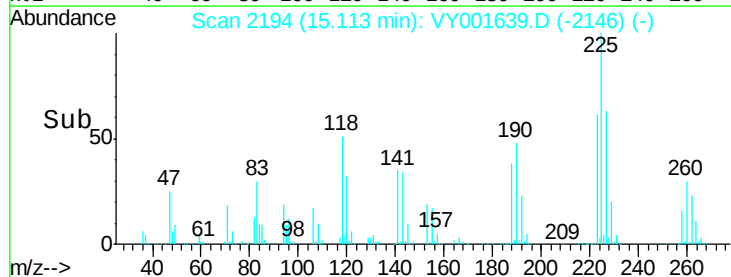
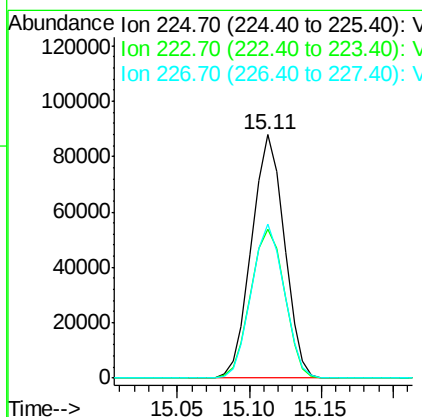
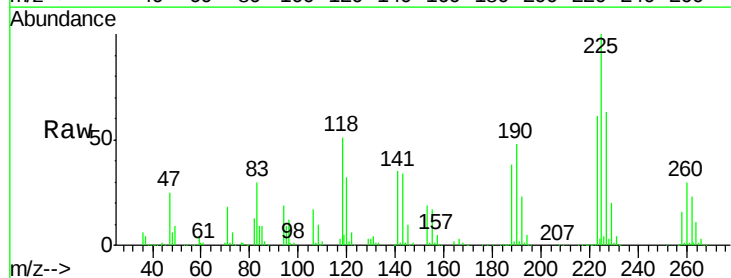
Manual Integrations
APPROVED

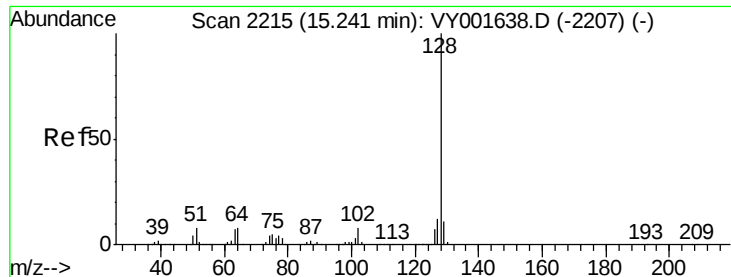
MMDadoda
2/19/2020 10:50:04 AM



#94
Hexachlorobutadiene
Concen: 94.082 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138028		
223	63.5	31.6	94.8	
227	63.5	32.3	96.8	





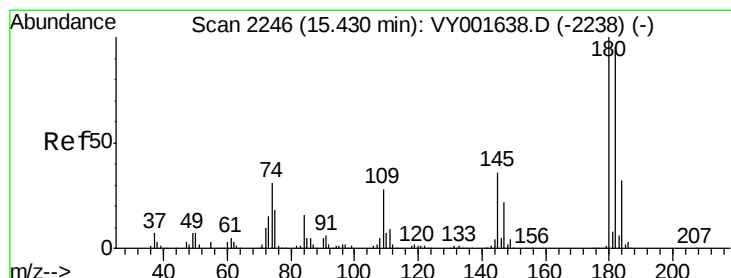
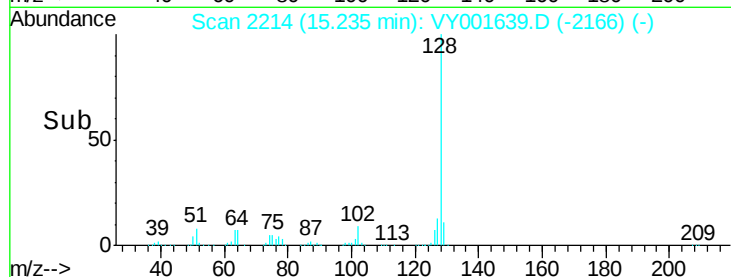
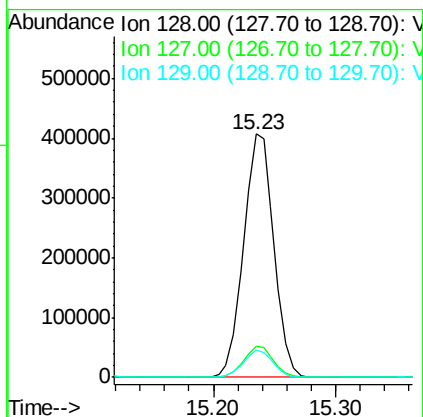
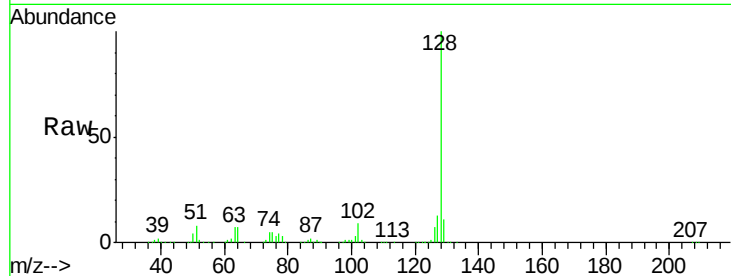
#95
Naphthalene
Concen: 100.238 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 10:50:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 97.451 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY001639.D
Acq: 17 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.7
145	33.8	16.9	50.6

