

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001691.D
 Acq On : 19 Feb 2020 11:19
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Manual Integrations
 APPROVED

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 2/20/2020 5:56:01 PM

Quant Time: Feb 19 13:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	175702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	306553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	269759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	126327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	87897	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	7.75	113	84378	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.19	98	355188	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.49	95	120297	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30491	17.803	ug/l	98
3) Chloromethane	2.13	50	43283	18.789	ug/l	99
4) Vinyl Chloride	2.27	62	43990	18.932	ug/l	98
5) Bromomethane	2.66	94	29934	20.613	ug/l	97
6) Chloroethane	2.81	64	27579	19.262	ug/l	98
7) Trichlorofluoromethane	3.15	101	58047	19.520	ug/l	98
8) Diethyl Ether	3.55	74	20731	17.684	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	37669	20.153	ug/l	98
10) Methyl Iodide	4.11	142	40427	17.672	ug/l	100
11) Tert butyl alcohol	4.97	59	21033	78.713	ug/l	96
12) 1,1-Dichloroethene	3.90	96	37677	19.763	ug/l	92
13) Acrolein	3.75	56	16255	85.161	ug/l	97
14) Allyl chloride	4.51	41	64709	19.072	ug/l	99
15) Acrylonitrile	5.19	53	49217	81.905	ug/l	99
16) Acetone	3.97	43	43709	66.840	ug/l	97
17) Carbon Disulfide	4.22	76	118454	18.611	ug/l	99
18) Methyl Acetate	4.50	43	23716	16.653	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	91489	17.237	ug/l	100
20) Methylene Chloride	4.74	84	42731	18.396	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	41293	18.985	ug/l	100
22) Diisopropyl ether	6.15	45	131530	18.877	ug/l	97
23) Vinyl Acetate	6.10	43	389274	85.651	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72361	19.431	ug/l	99
25) 2-Butanone	7.02	43	64523	72.633	ug/l	96
26) 2,2-Dichloropropane	7.01	77	61862	19.093	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	46073	19.190	ug/l	100
28) Bromochloromethane	7.36	49	28296	18.240	ug/l	99
29) Tetrahydrofuran	7.38	42	42149	78.499	ug/l	97
30) Chloroform	7.53	83	69057	18.978	ug/l	99
31) Cyclohexane	7.81	56	76258	19.206	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	59131	19.335	ug/l	99
36) 1,1-Dichloropropene	7.94	75	59078	20.176	ug/l	99
37) Ethyl Acetate	7.10	43	29459	16.856	ug/l	99
38) Carbon Tetrachloride	7.93	117	51074	19.858	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76300	19.641	ug/l	97
40) Benzene	8.18	78	169686	19.704	ug/l	96
41) Methacrylonitrile	7.33	41	11117m	12.669	ug/l	
42) 1,2-Dichloroethane	8.26	62	43373	18.487	ug/l	100
43) Isopropyl Acetate	8.29	43	55094	16.615	ug/l	98
44) Trichloroethene	8.96	130	42062	19.565	ug/l	99
45) 1,2-Dichloropropane	9.24	63	42623	19.762	ug/l	98
46) Dibromomethane	9.32	93	20804	18.442	ug/l	99
47) Bromodichloromethane	9.52	83	52397	19.245	ug/l	98
48) Methyl methacrylate	9.31	41	25012	16.678	ug/l	96
49) 1,4-Dioxane	9.32	88	4674	293.356	ug/l #	96
51) 4-Methyl-2-Pentanone	10.08	43	137588	80.757	ug/l	97
52) Toluene	10.26	92	104130	19.384	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	53888	17.904	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	64462	18.609	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	30254	18.188	ug/l	97
56) Ethyl methacrylate	10.52	69	40751	16.331	ug/l	94
57) 1,3-Dichloropropane	10.80	76	53235	18.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	108849	104.890	ug/l	100
59) 2-Hexanone	10.85	43	94980	74.300	ug/l	97
60) Dibromochloromethane	11.00	129	33399	18.212	ug/l	98
61) 1,2-Dibromoethane	11.10	107	27525	17.501	ug/l	98
64) Tetrachloroethene	10.73	164	34753	20.522	ug/l	98
65) Chlorobenzene	11.53	112	107394	19.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35371	19.469	ug/l	99
67) Ethyl Benzene	11.61	91	201504	20.161	ug/l	98
68) m/p-Xylenes	11.71	106	150552	40.325	ug/l	99
69) o-Xylene	12.04	106	69950	19.708	ug/l	98
70) Styrene	12.05	104	120197	19.486	ug/l	99
71) Bromoform	12.22	173	17652	17.002	ug/l #	98
73) Isopropylbenzene	12.34	105	192231	19.974	ug/l	100
74) N-amyl acetate	12.16	43	51046	16.620	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	36121	17.578	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	24948m	17.216	ug/l	
77) Bromobenzene	12.62	156	40861	19.586	ug/l	91
78) n-propylbenzene	12.68	91	238208	20.323	ug/l	100
79) 2-Chlorotoluene	12.77	91	129822	19.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	161031	20.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	12863	16.840	ug/l	93
82) 4-Chlorotoluene	12.86	91	136643	19.708	ug/l	98
83) tert-Butylbenzene	13.09	119	135668	20.362	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	158619	19.972	ug/l	99
85) sec-Butylbenzene	13.27	105	195686	19.969	ug/l	100
86) p-Isopropyltoluene	13.38	119	172172	20.225	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81904	20.243	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	81318	19.882	ug/l	99
89) n-Butylbenzene	13.70	91	175816	20.212	ug/l	99
90) Hexachloroethane	13.97	117	30816	19.213	ug/l	94
91) 1,2-Dichlorobenzene	13.75	146	71614	19.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5560	16.395	ug/l	95

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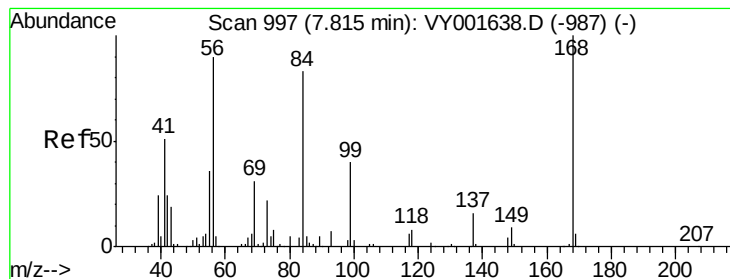
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46058	18.614	ug/l	97
94) Hexachlorobutadiene	15.12	225	24662	20.041	ug/l	99
95) Naphthalene	15.25	128	94559	16.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	38660	17.759	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion:168 Resp: 175702

Ion Ratio Lower Upper

168 100

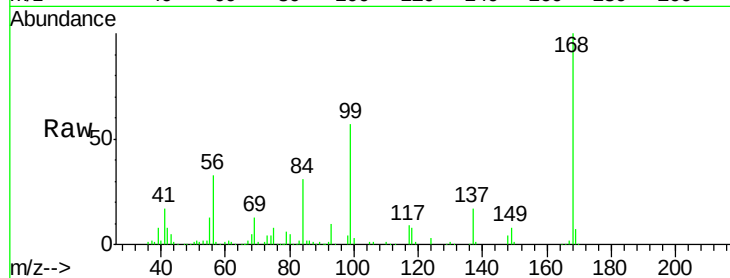
99 56.8 47.5 71.3

Manual Integrations

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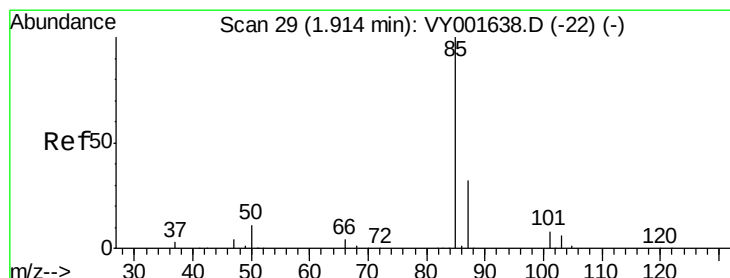
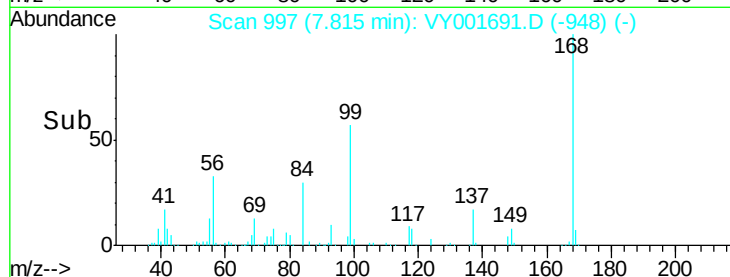
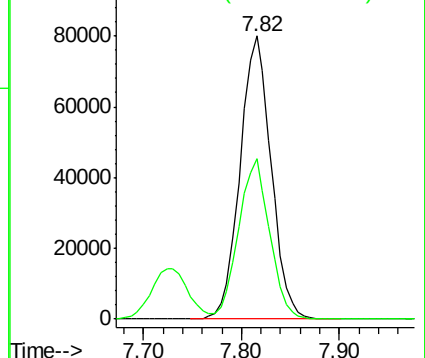
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Abundance Ion 167.90 (167.60 to 168.60): VY001691.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001691.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 17.803 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001691.D

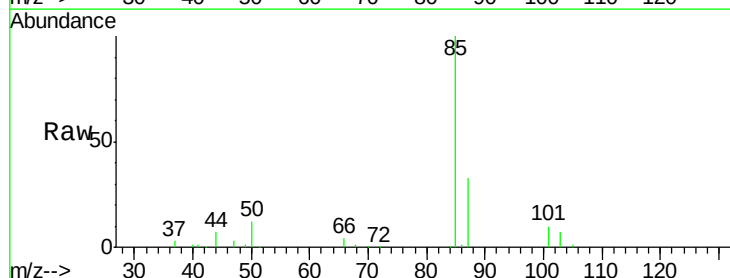
Acq: 19 Feb 2020 11:19

Tgt Ion: 85 Resp: 30491

Ion Ratio Lower Upper

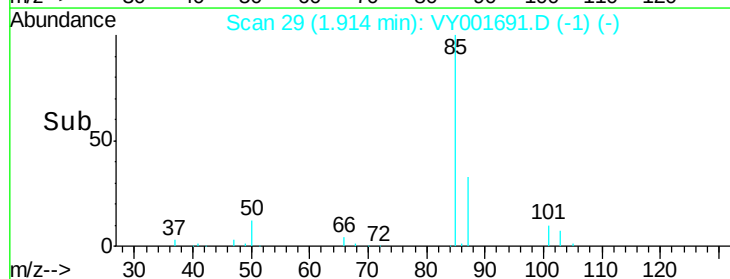
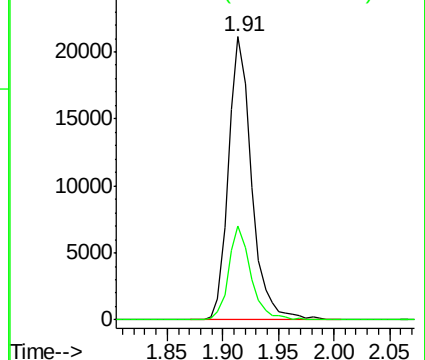
85 100

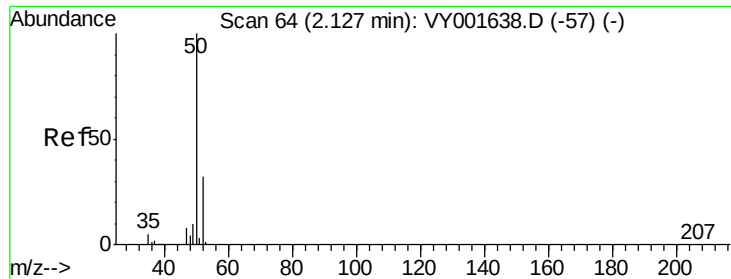
87 33.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001691.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001691.D (-1) (-)





#3

Chloromethane

Concen: 18.789 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 50 Resp: 43283

Ion Ratio Lower Upper

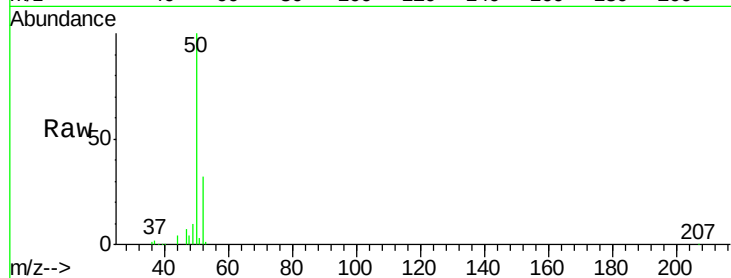
50 100

52 31.8 25.8 38.6

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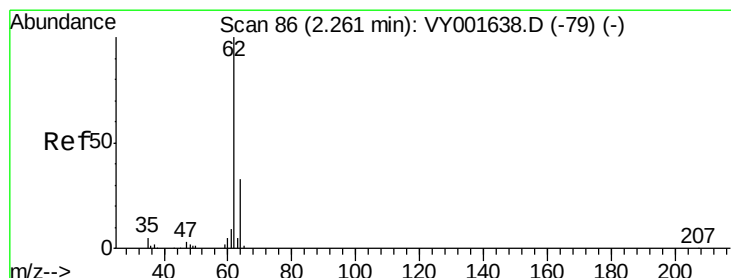
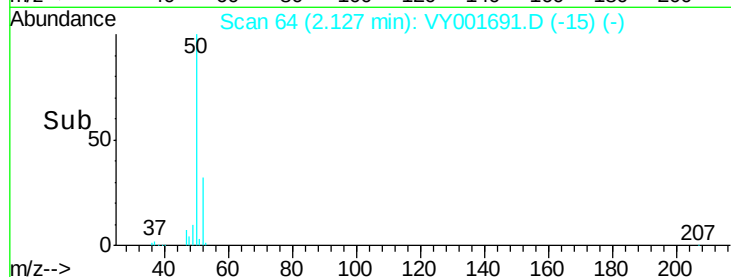
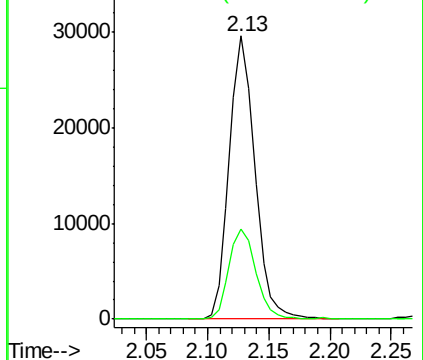
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.932 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001691.D

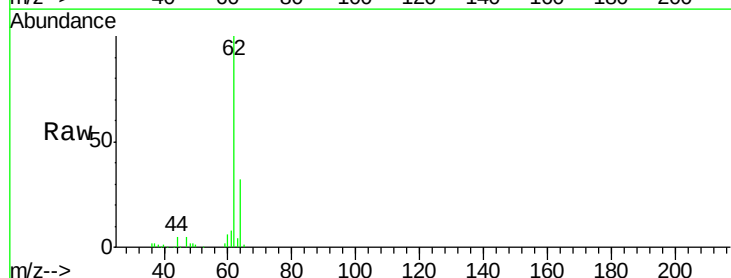
Acq: 19 Feb 2020 11:19

Tgt Ion: 62 Resp: 43990

Ion Ratio Lower Upper

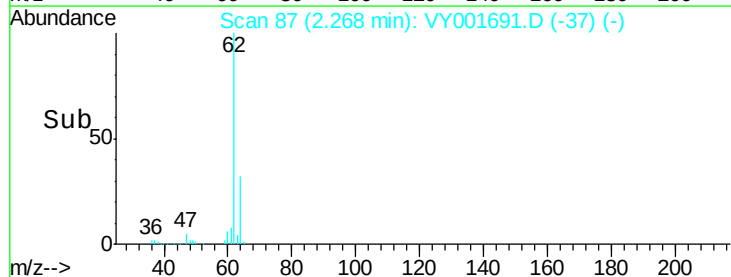
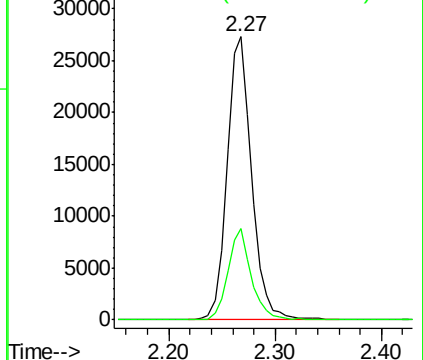
62 100

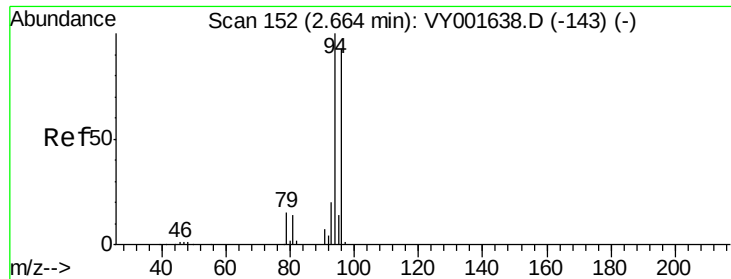
64 32.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.613 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 94 Resp: 29934

Ion Ratio Lower Upper

94 100

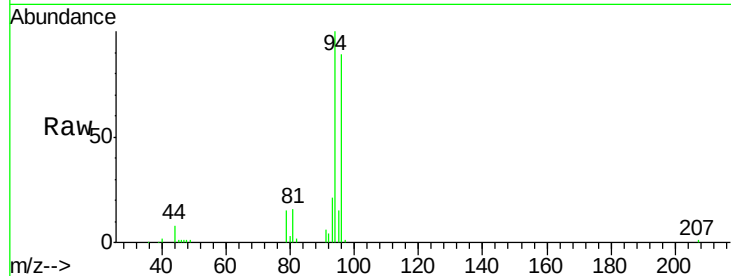
96 89.3 73.7 110.5

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

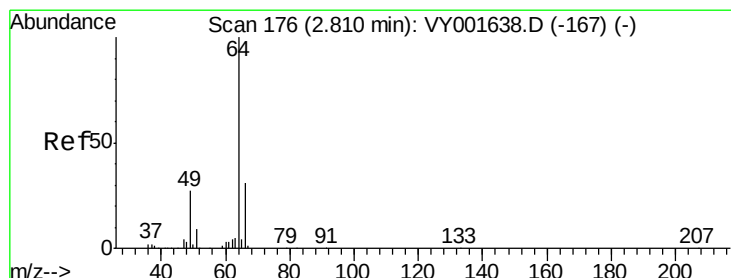
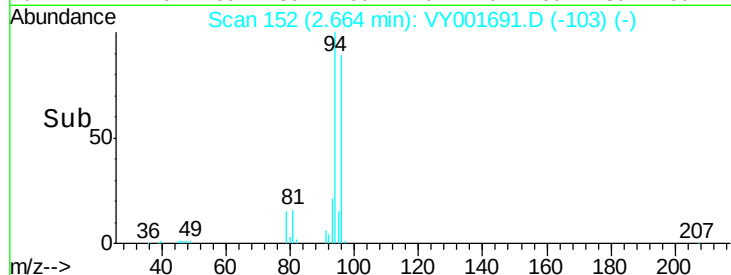
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.262 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001691.D

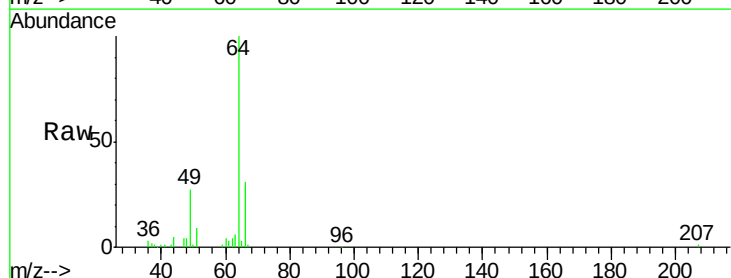
Acq: 19 Feb 2020 11:19

Tgt Ion: 64 Resp: 27579

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

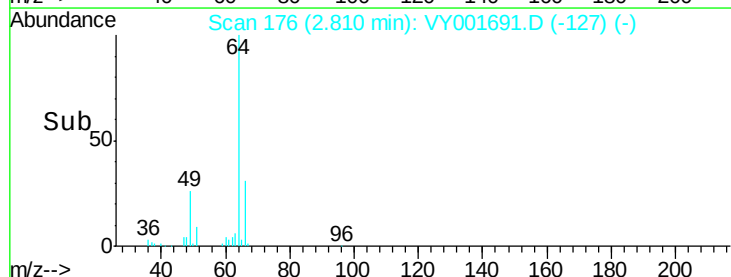
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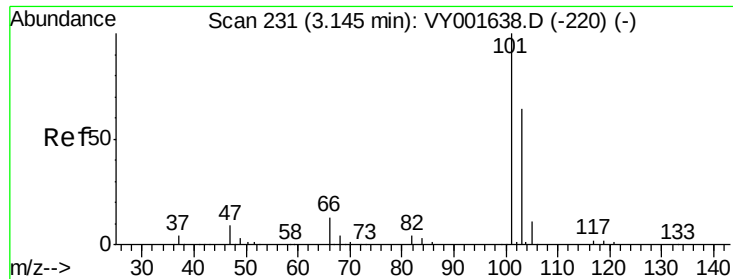
10000

5000

0

Time-->





#7

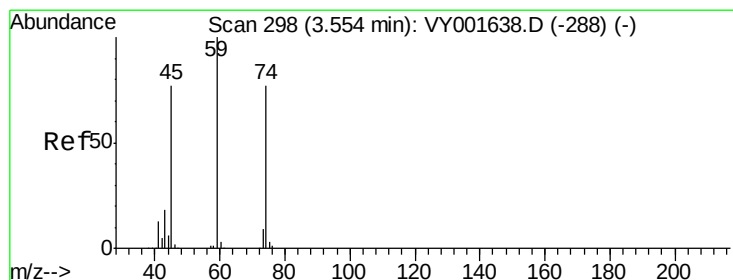
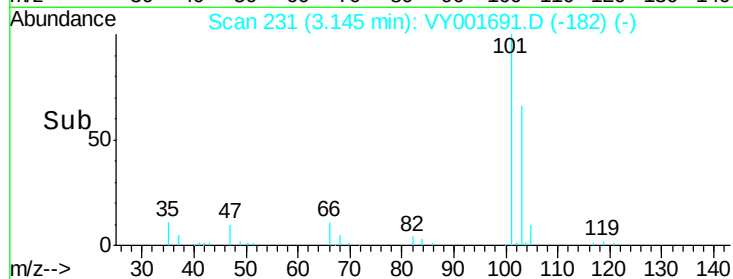
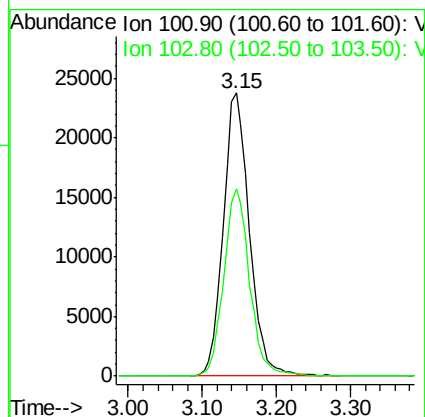
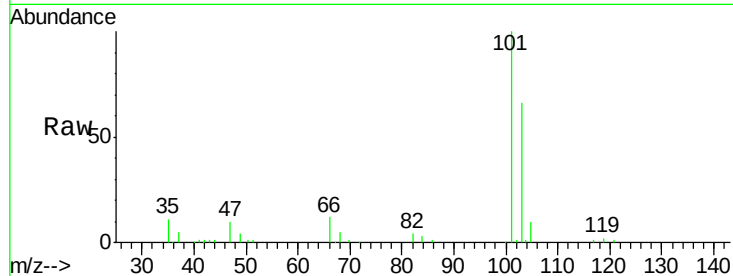
Trichlorofluoromethane
Concen: 19.520 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion:101 Resp: 58047
Ion Ratio Lower Upper
101 100
103 66.4 52.2 78.2

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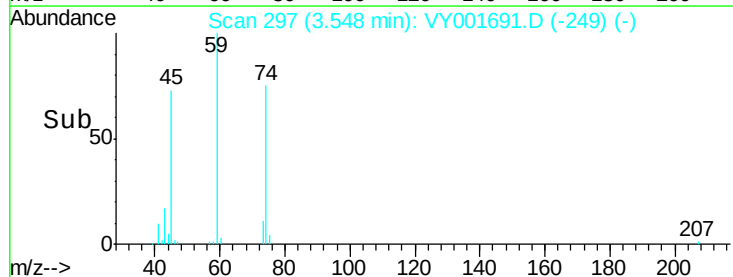
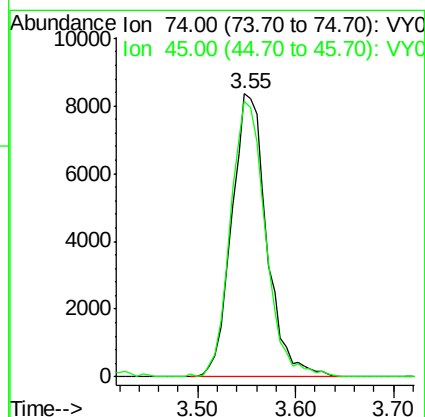
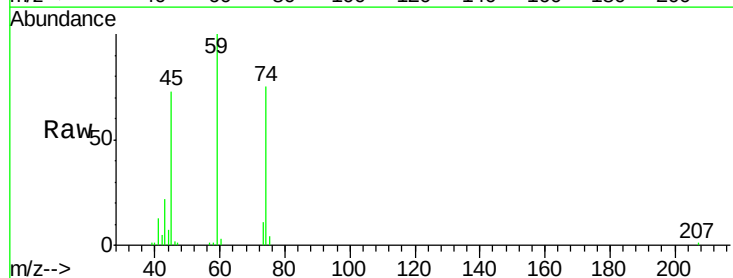
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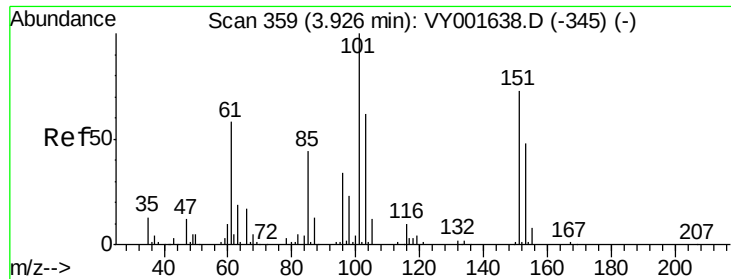


#8

Diethyl Ether
Concen: 17.684 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 74 Resp: 20731
Ion Ratio Lower Upper
74 100
45 97.9 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.153 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

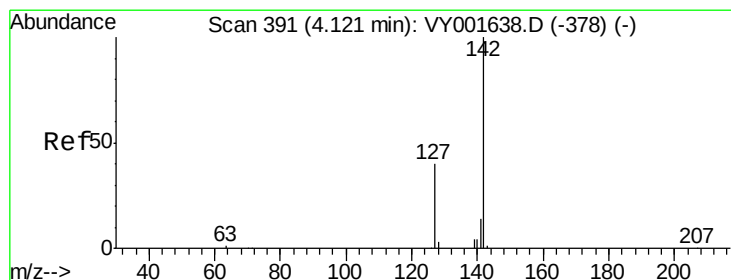
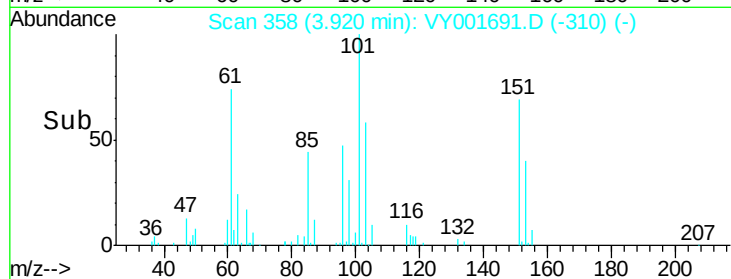
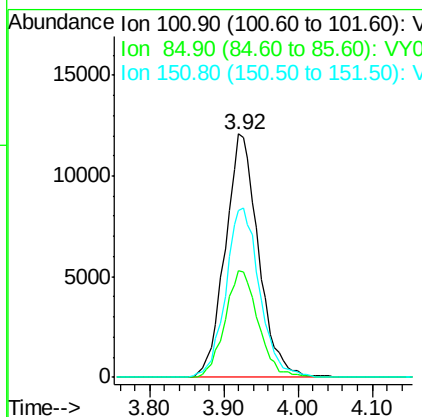
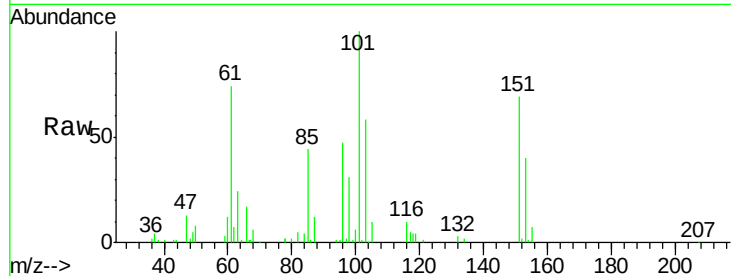
ClientSampleId :

VY0219SBS01

Tot Ion:	101	Resp:	37669
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	70.8	58.4	87.6

Manual Integrations
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2/20/2020 5:56:01 PM



#10

Methyl Iodide

Concen: 17.672 ug/l

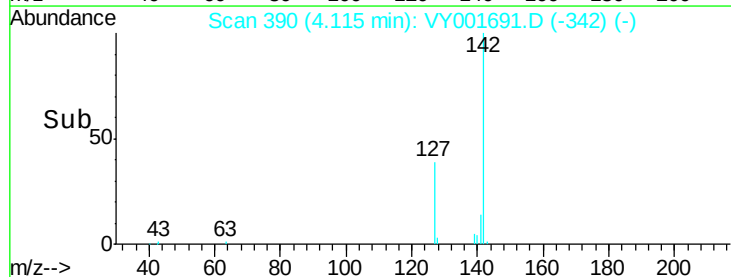
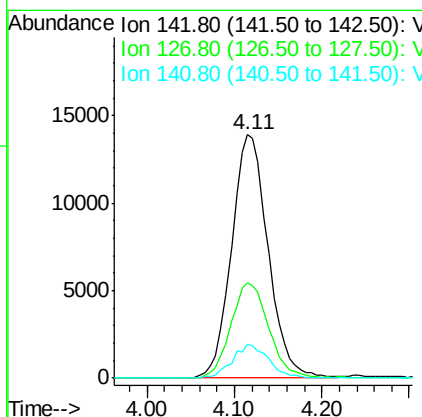
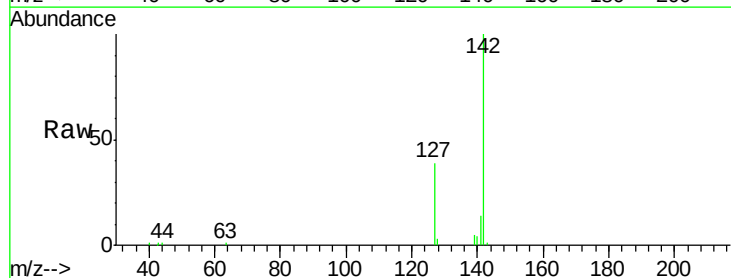
RT: 4.11 min Scan# 390

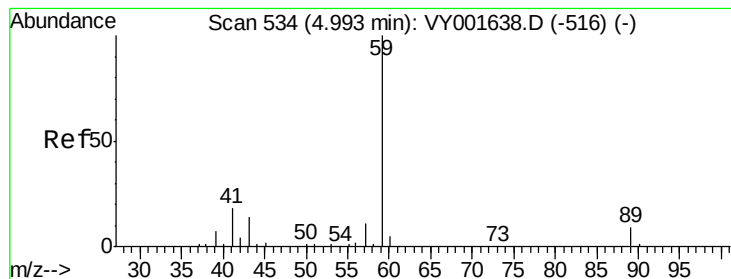
Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	142	Resp:	40427
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	13.7	11.3	16.9





#11

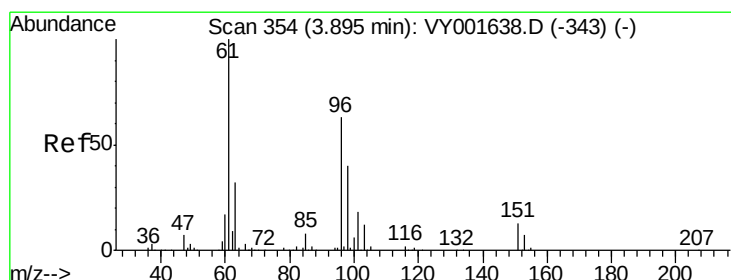
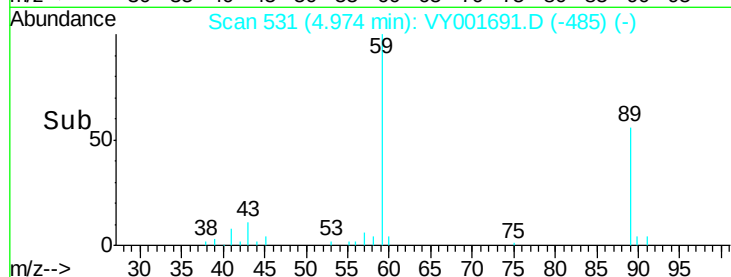
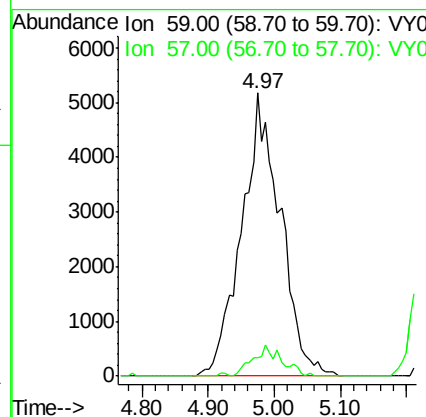
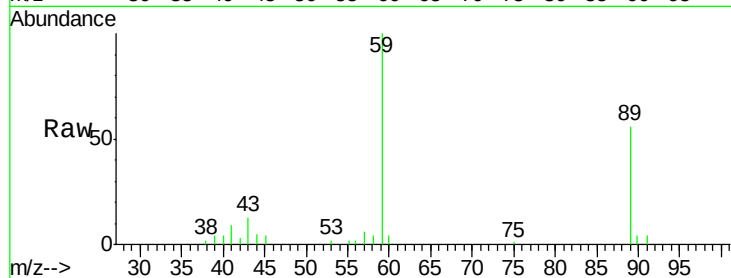
Tert butyl alcohol
Concen: 78.713 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

Manual Integrations
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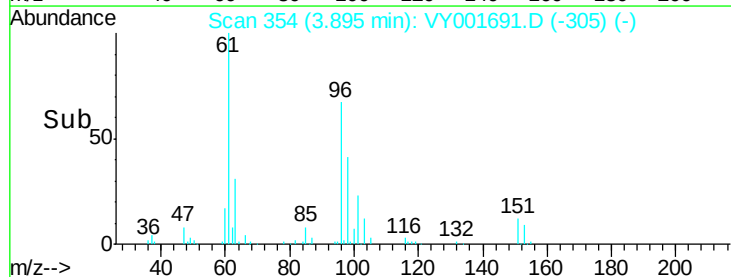
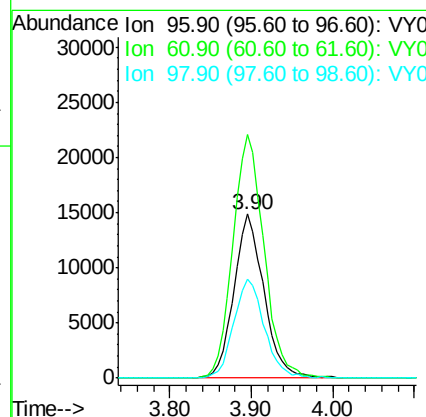
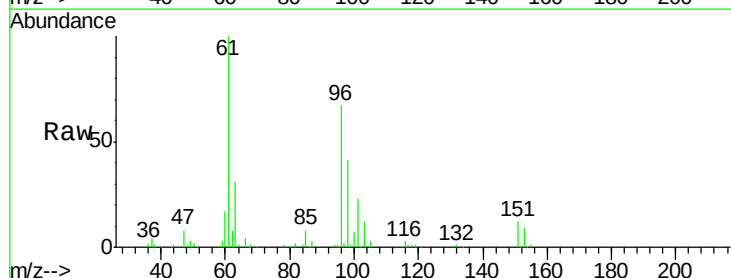
MMDadoda
2/20/2020 5:56:01 PM

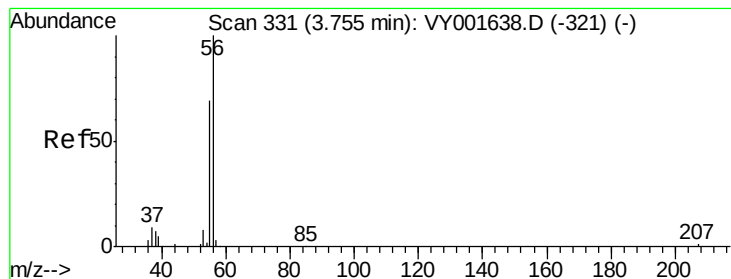


#12

1,1-Dichloroethene
Concen: 19.763 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	128.7	193.1
98	60.8	50.7	76.1





#13

Acrolein

Concen: 85.161 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 56 Resp: 16255

Ion Ratio Lower Upper

56 100

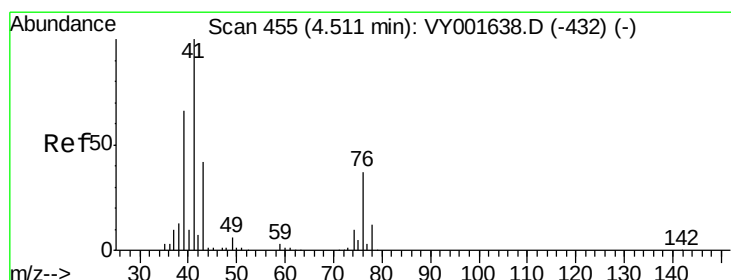
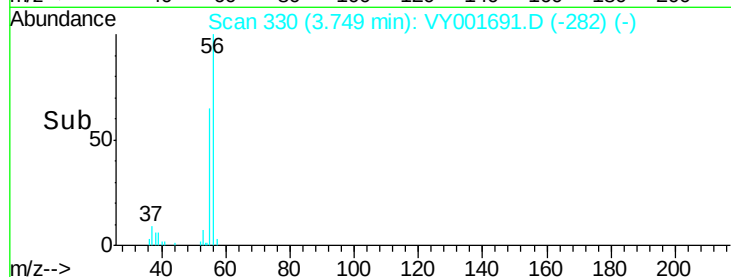
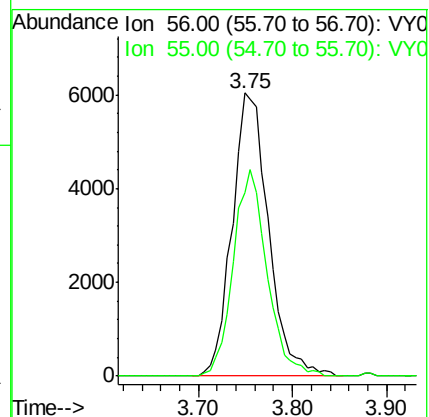
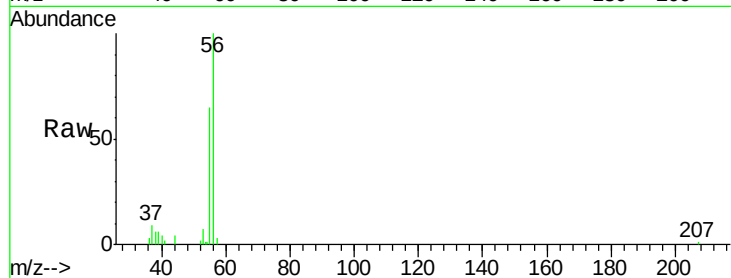
55 67.5 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.072 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

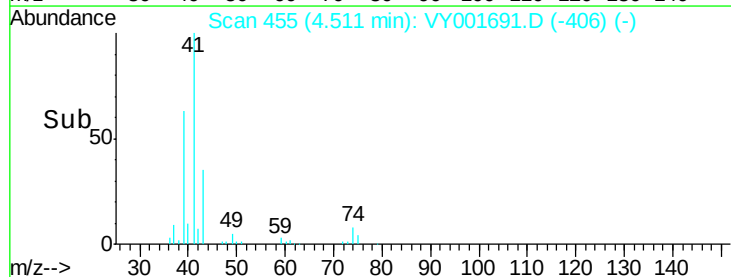
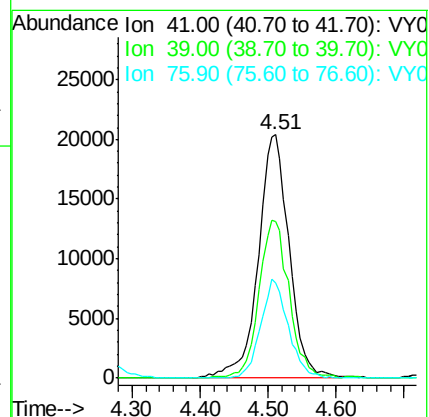
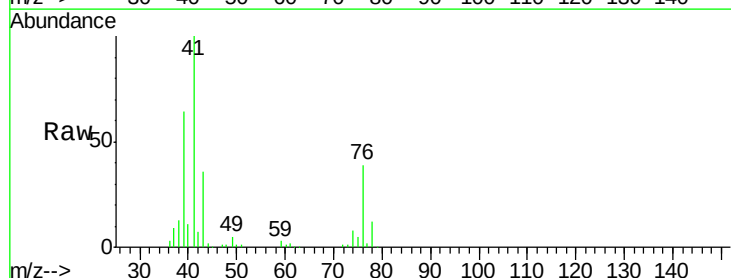
Tgt Ion: 41 Resp: 64709

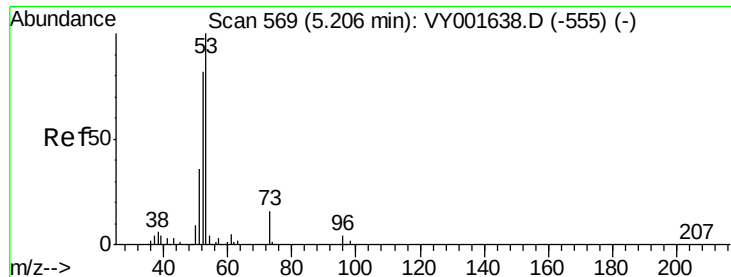
Ion Ratio Lower Upper

41 100

39 63.2 49.4 74.0

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 81.905 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

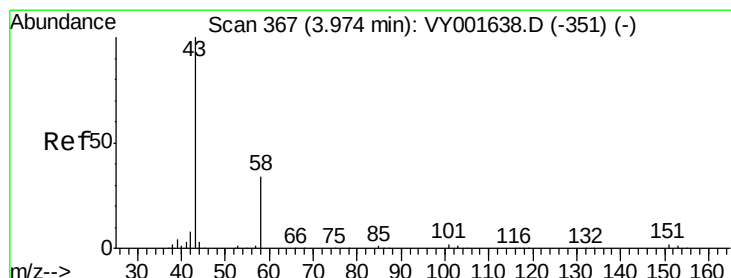
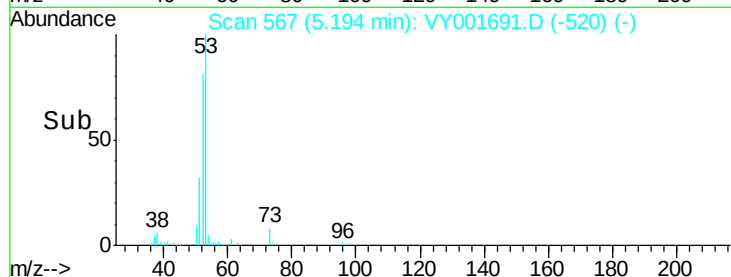
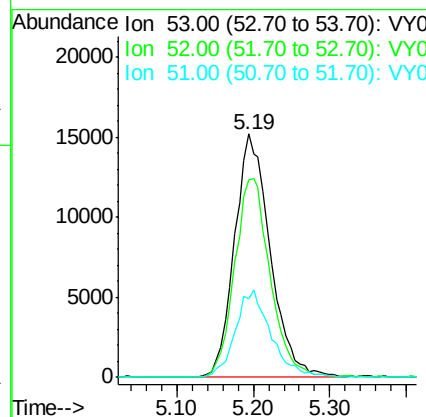
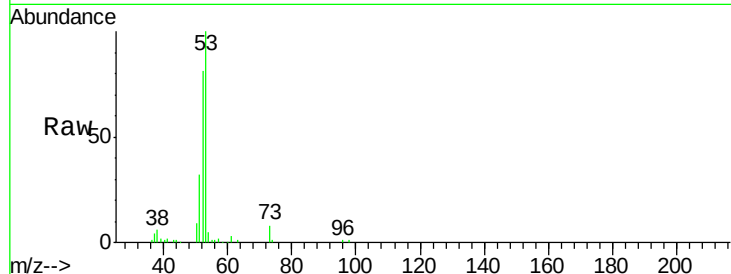
ClientSampleId :

VY0219SBS01

Tot Ion:	53	Resp:	49217
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.4	98.0
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 66.840 ug/l

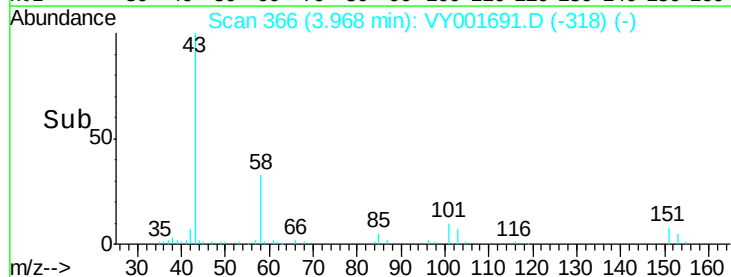
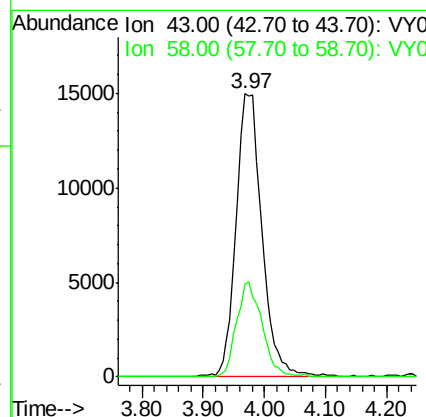
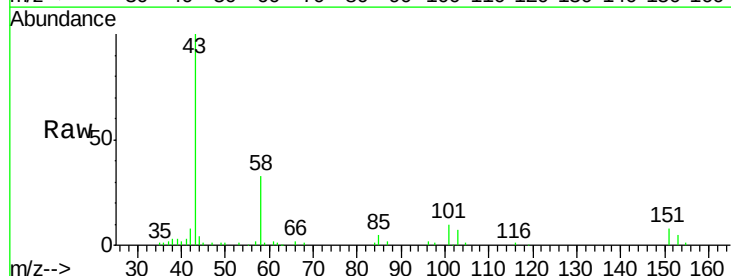
RT: 3.97 min Scan# 366

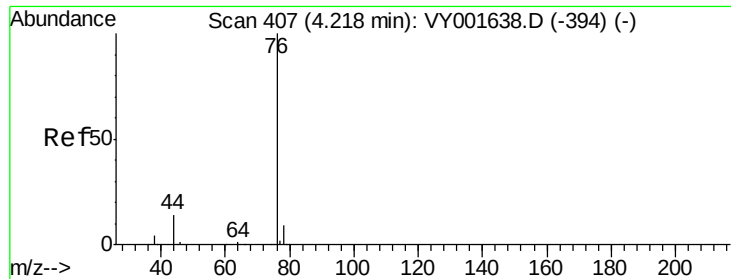
Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	43	Resp:	43709
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.3	40.9





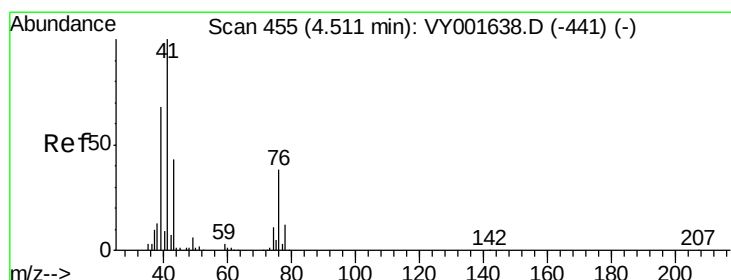
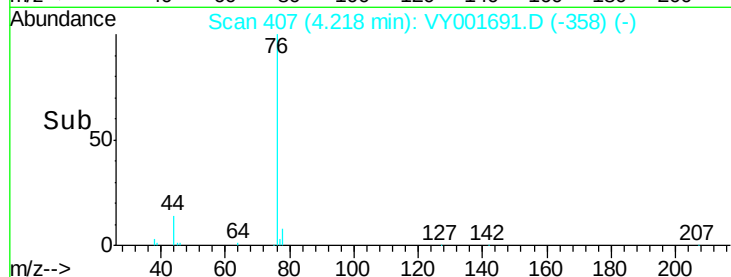
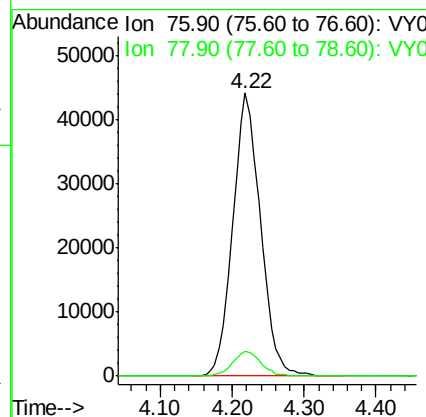
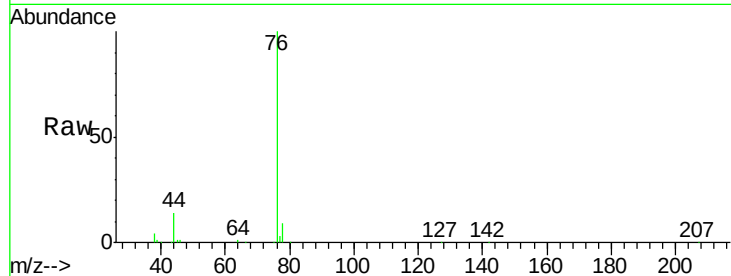
#17
Carbon Disulfide
Concen: 18.611 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

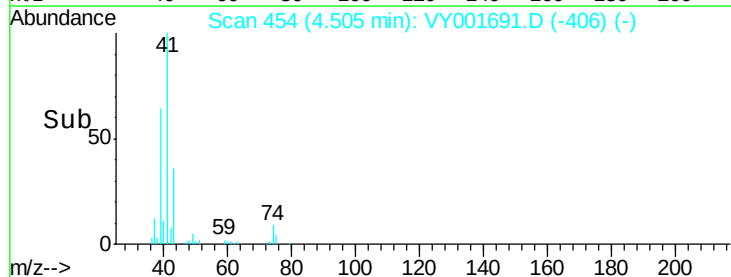
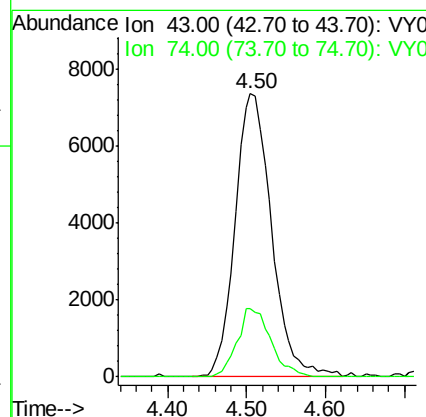
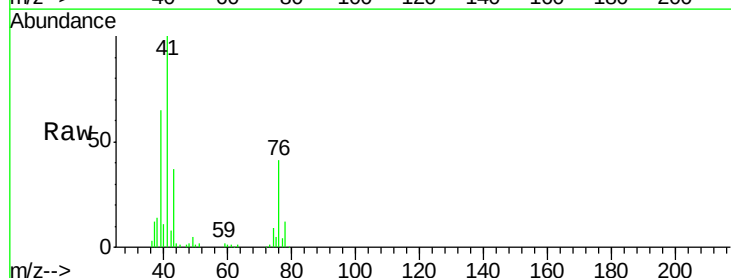
Manual Integrations
APPROVED

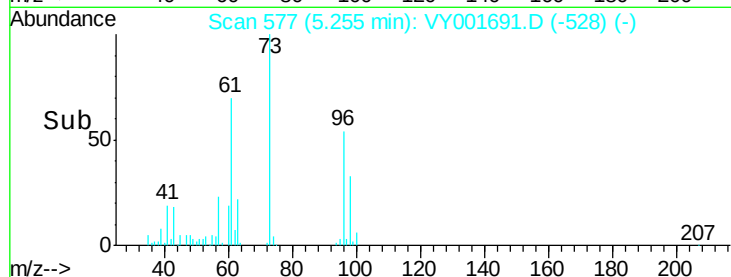
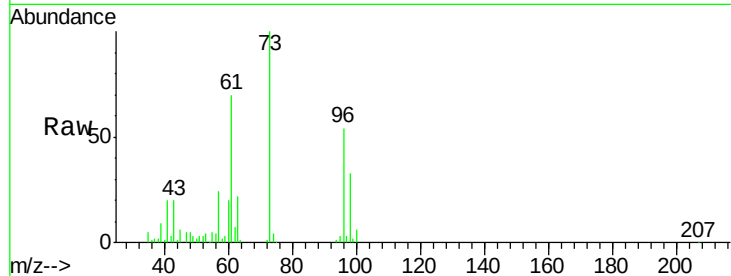
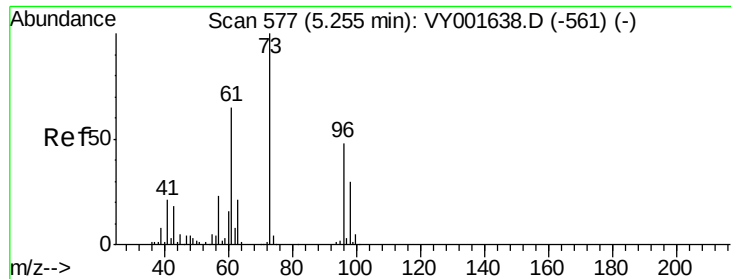
MMDadoda
2/20/2020 5:56:01 PM



#18
Methyl Acetate
Concen: 16.653 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.1	28.7





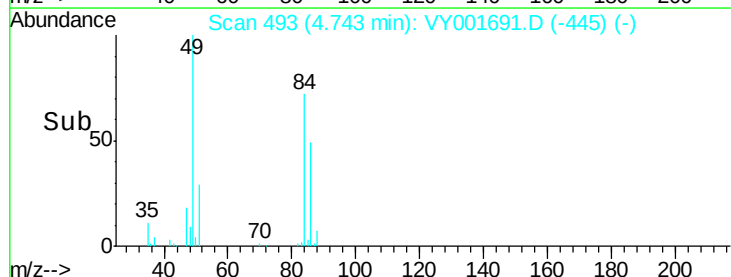
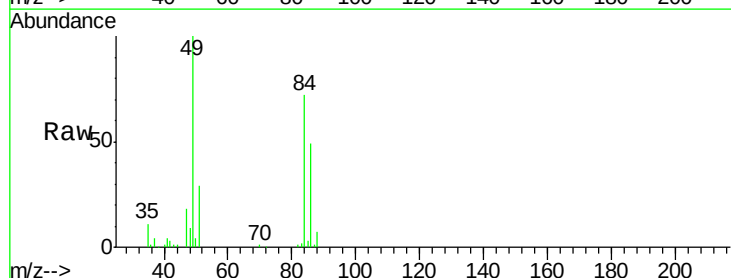
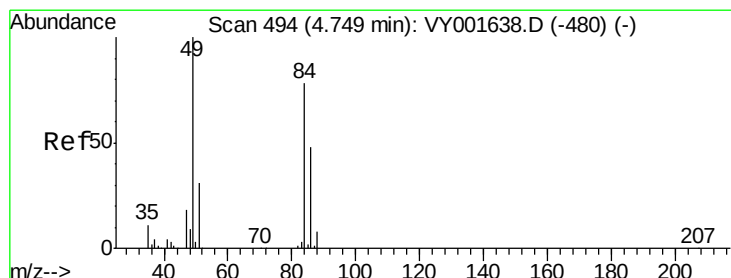
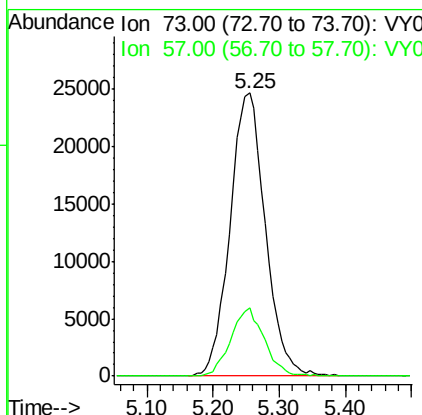
#19
Methyl tert-butyl Ether
Concen: 17.237 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tot Ion: 73 Resp: 91489
Ion Ratio Lower Upper
73 100
57 24.0 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

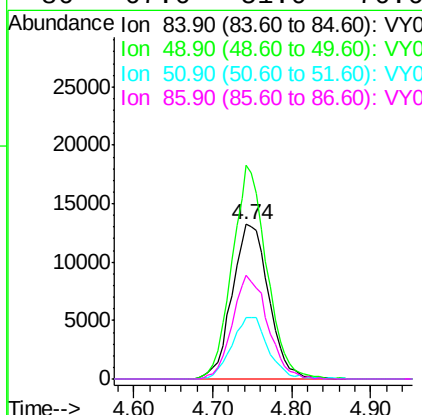
Manual Integrations
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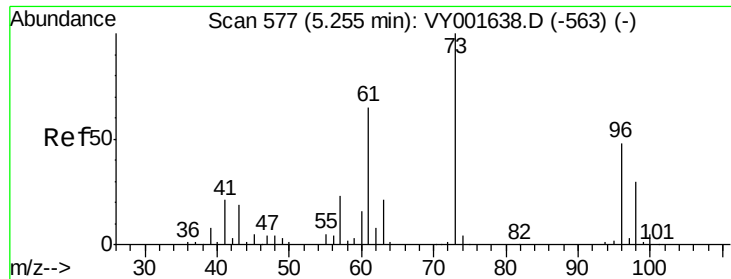
MMDadoda
2/20/2020 5:56:01 PM



#20
Methylene Chloride
Concen: 18.396 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 84 Resp: 42731
Ion Ratio Lower Upper
84 100
49 138.4 99.2 148.8
51 40.2 31.5 47.3
86 67.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.985 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

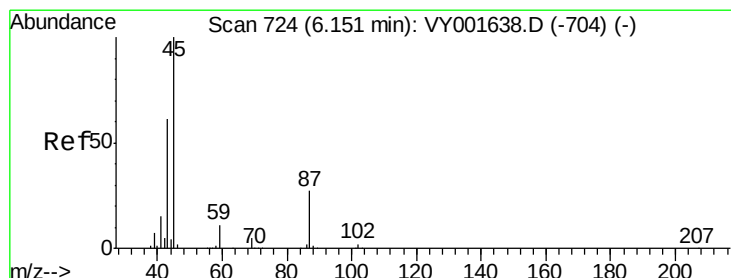
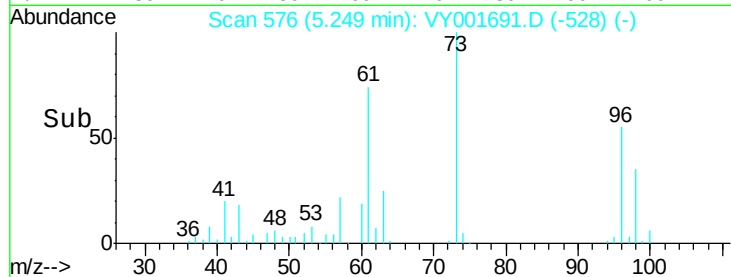
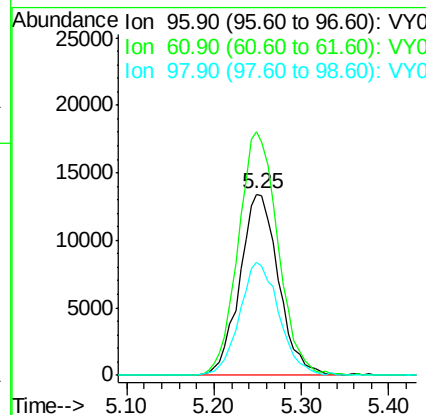
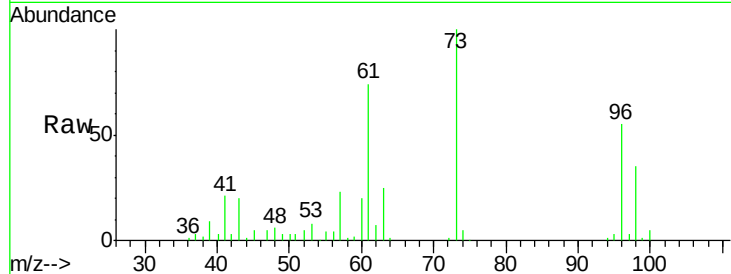
ClientSampleId :

VY0219SBS01

Tot Ion:	96	Resp:	41293
Ion	Ratio	Lower	Upper
96	100		
61	134.3	107.9	161.9
98	62.6	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.877 ug/l

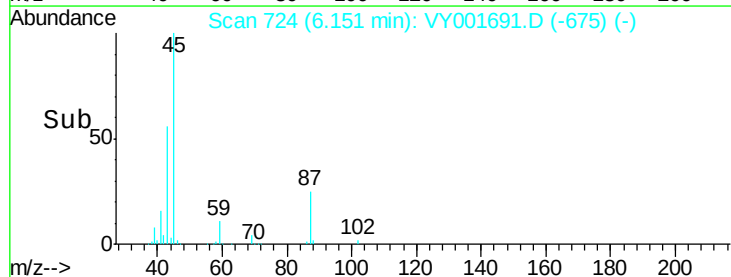
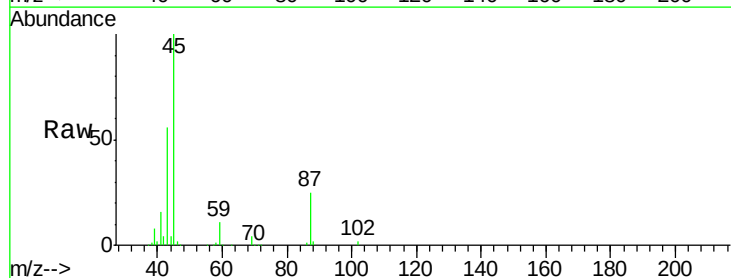
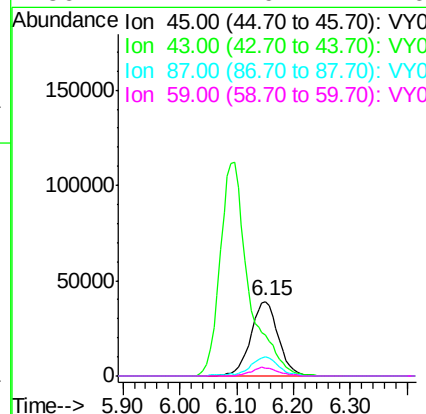
RT: 6.15 min Scan# 724

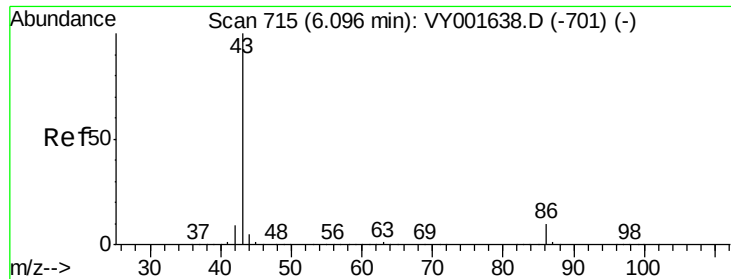
Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	45	Resp:	131530
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.4	69.6
87	25.5	22.1	33.1
59	11.1	9.4	14.0





#23

Vinyl Acetate

Concen: 85.651 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 43 Resp: 389274

Ion Ratio Lower Upper

43 100

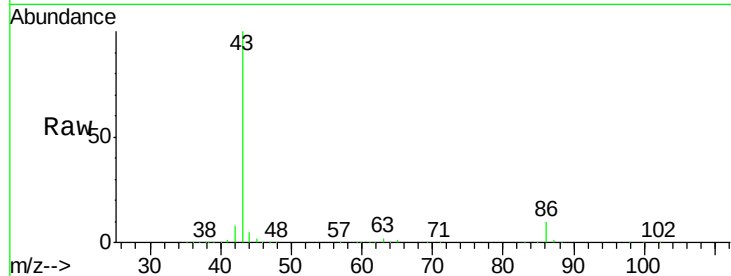
86 10.2 8.8 13.2

Manual Integrations

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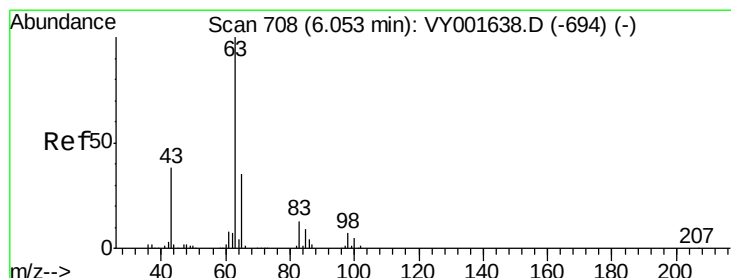
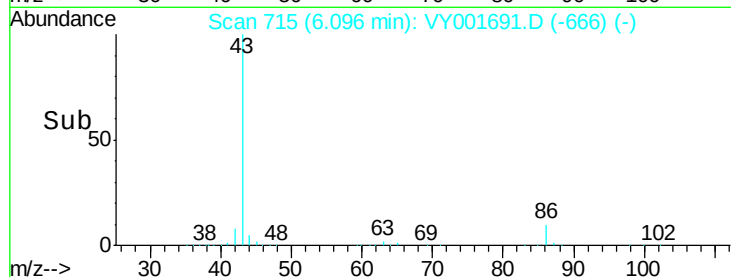
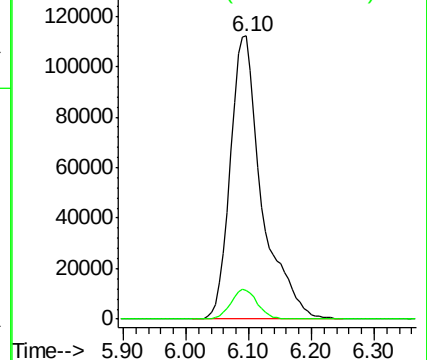
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.431 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

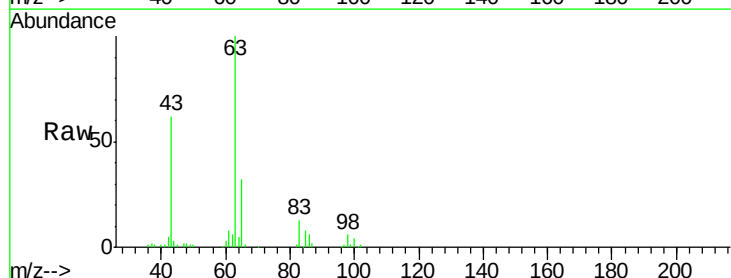
Tgt Ion: 63 Resp: 72361

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

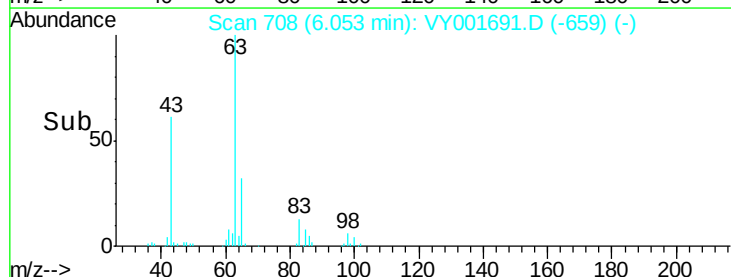
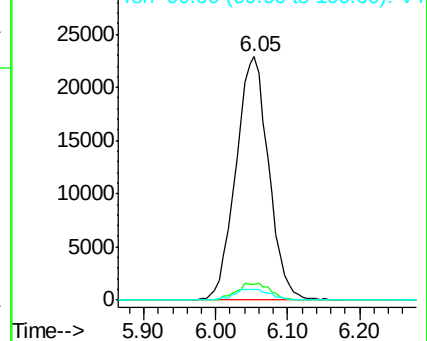
100 4.3 2.3 6.9

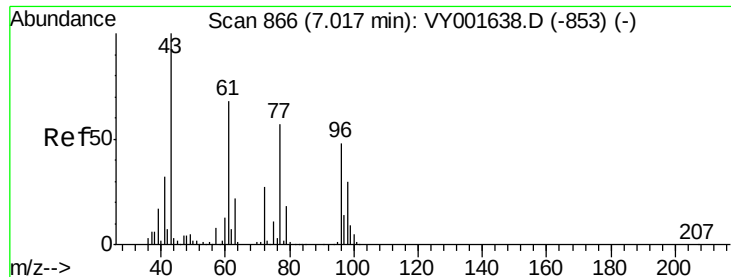


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 72.633 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 43 Resp: 64523

Ion Ratio Lower Upper

43 100

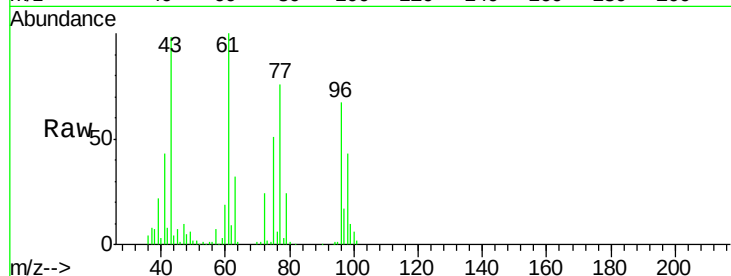
72 24.2 21.2 31.8

Manual Integrations

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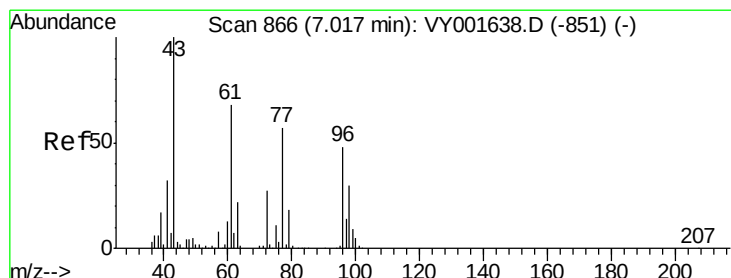
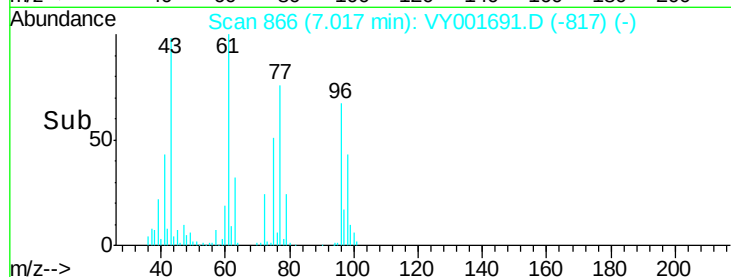
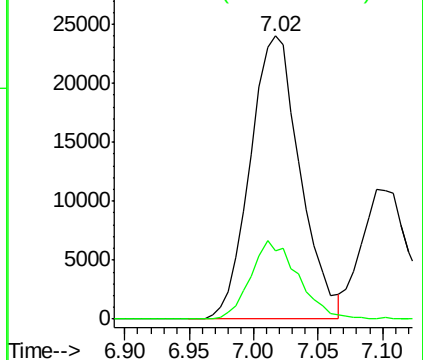
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.093 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001691.D

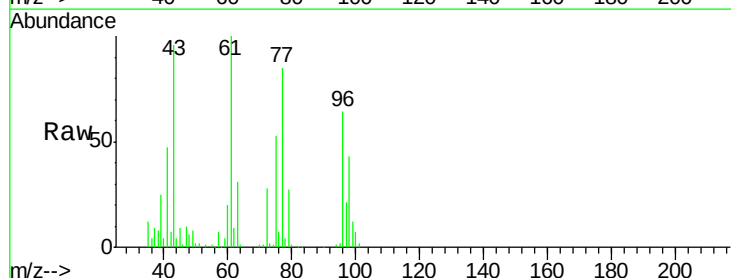
Acq: 19 Feb 2020 11:19

Tgt Ion: 77 Resp: 61862

Ion Ratio Lower Upper

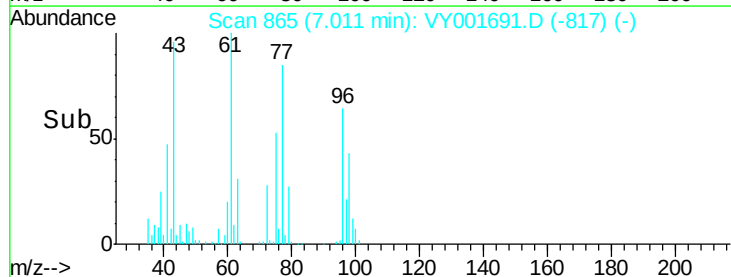
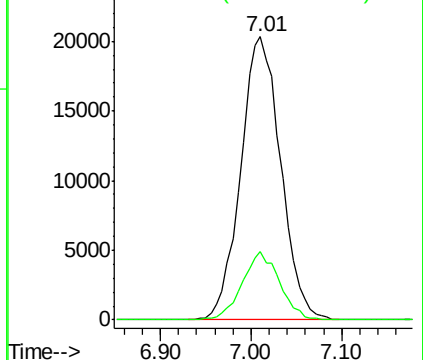
77 100

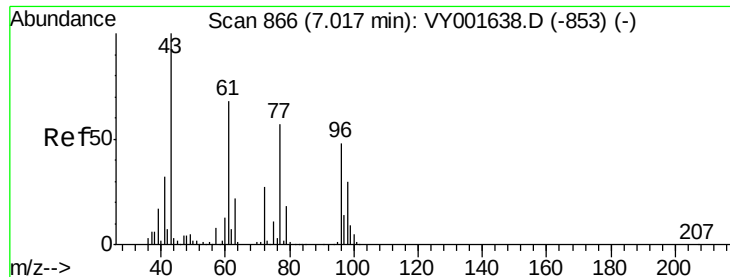
97 22.7 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

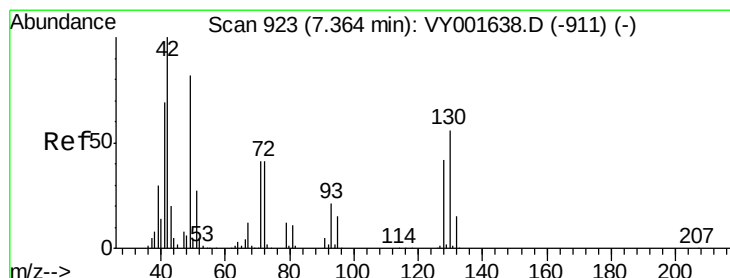
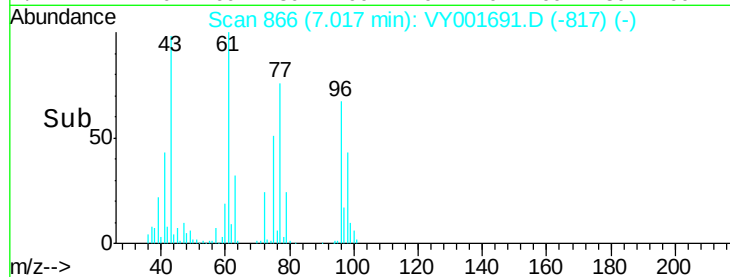
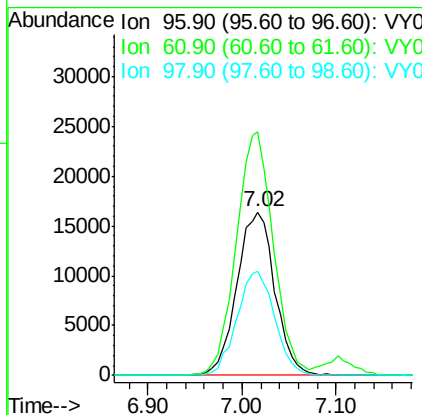
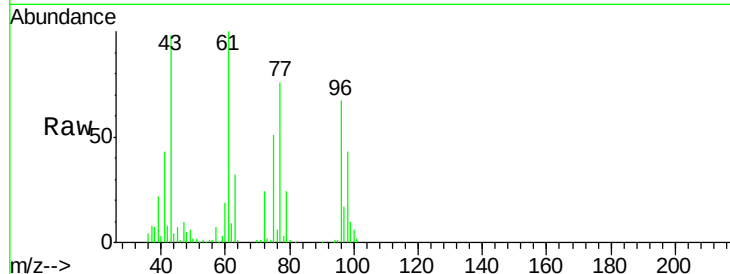
cis-1,2-Dichloroethene
Concen: 19.190 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46073		
61	145.6		0.0	290.8
98	63.7		0.0	128.6

Manual Integrations
APPROVED

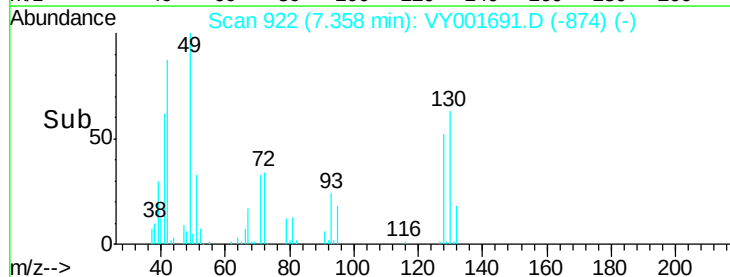
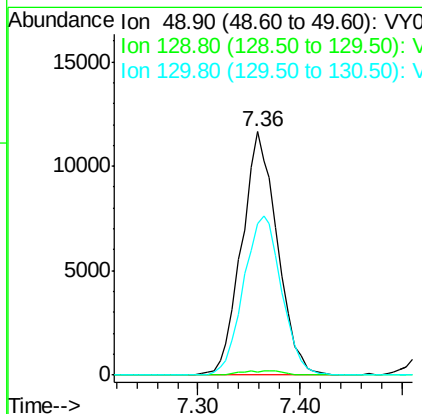
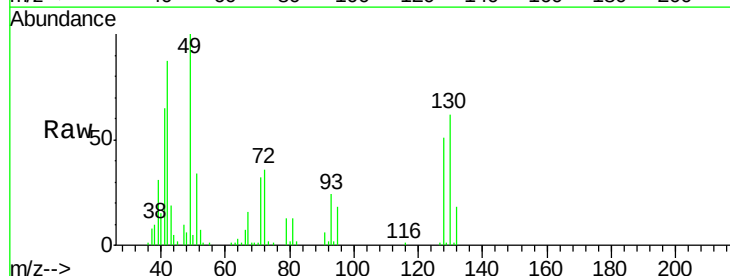
MMDadoda
2/20/2020 5:56:01 PM

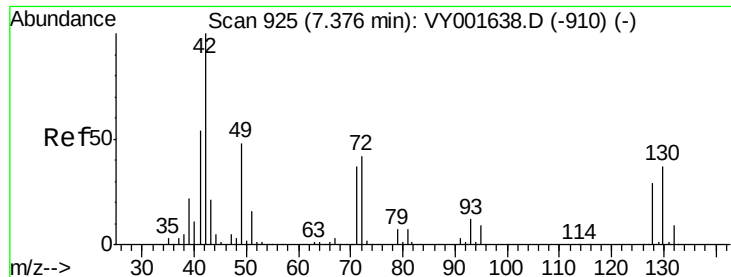


#28

Bromochloromethane
Concen: 18.240 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28296		
129	1.9		0.0	3.6
130	69.6		56.2	84.4





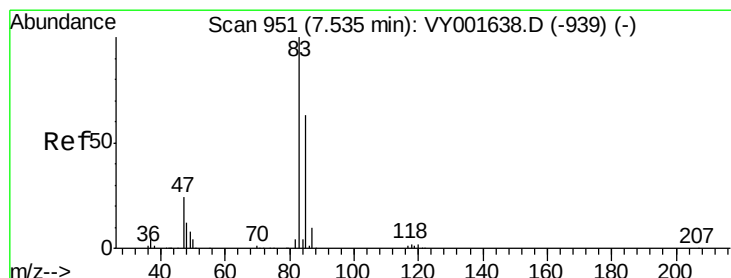
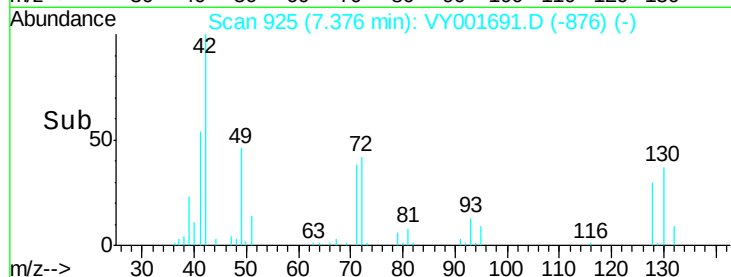
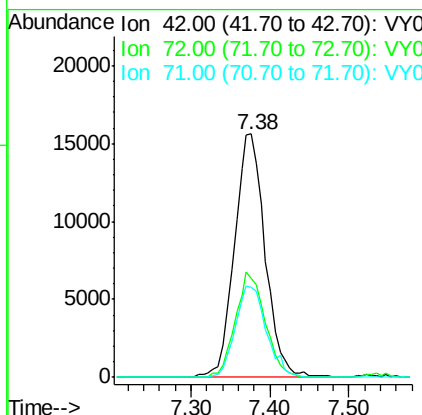
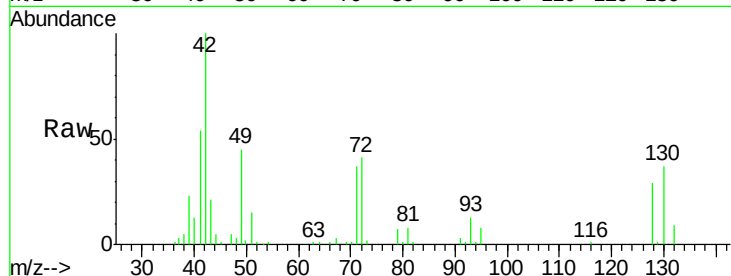
#29
Tetrahydrofuran
Concen: 78.499 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.4	51.6
71	38.0	31.8	47.8

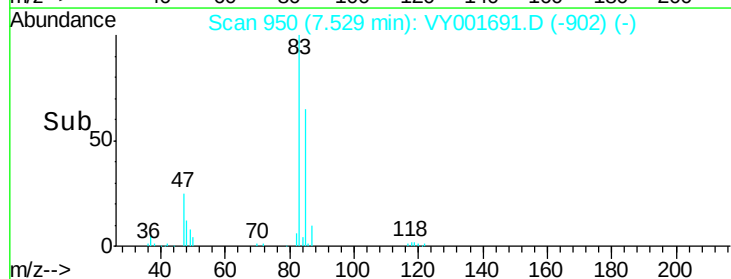
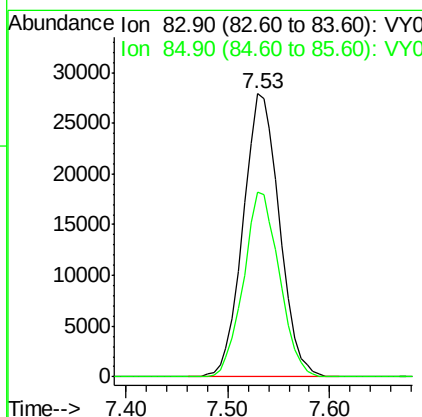
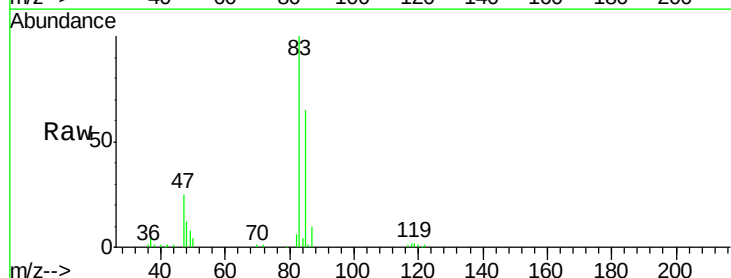
Manual Integrations
APPROVED

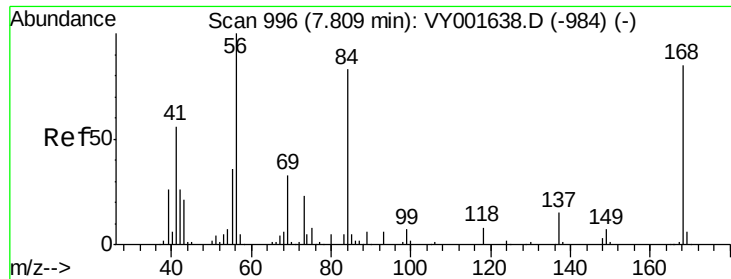
MMDadoda
2/20/2020 5:56:01 PM



#30
Chloroform
Concen: 18.978 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4





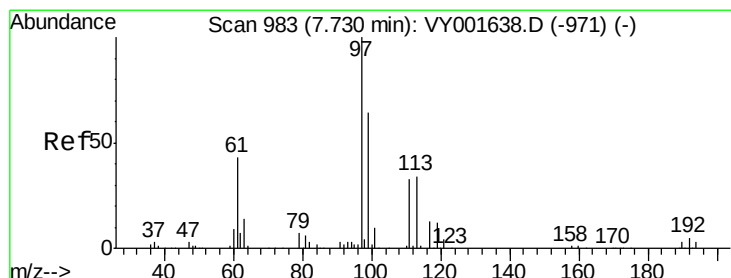
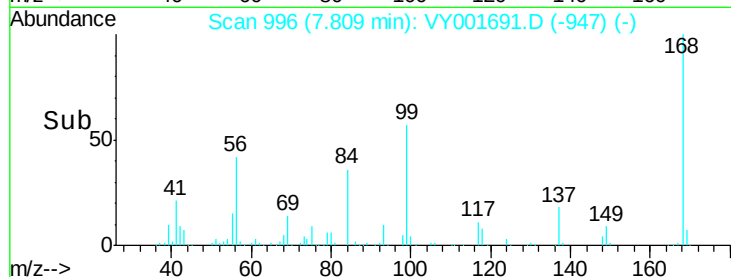
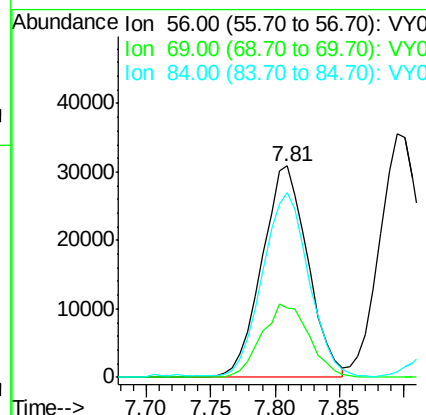
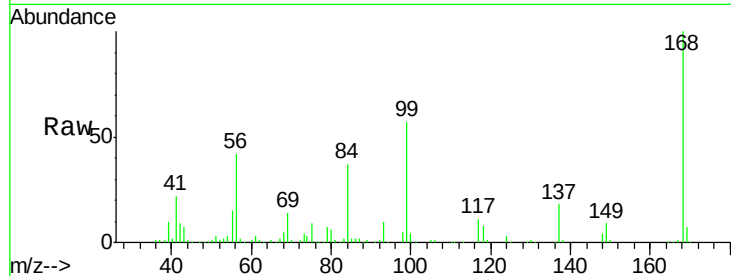
#31
Cyclohexane
Concen: 19.206 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.1	37.7
84	86.6	66.9	100.3

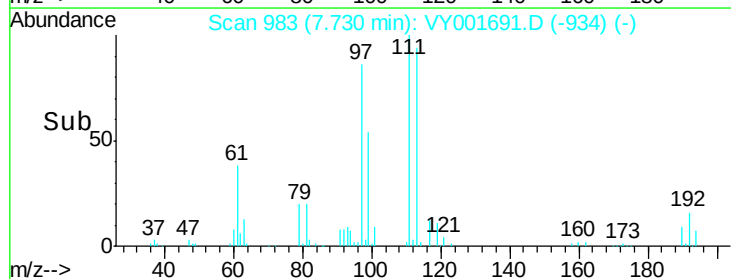
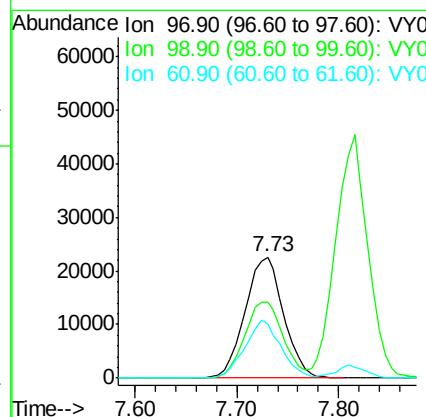
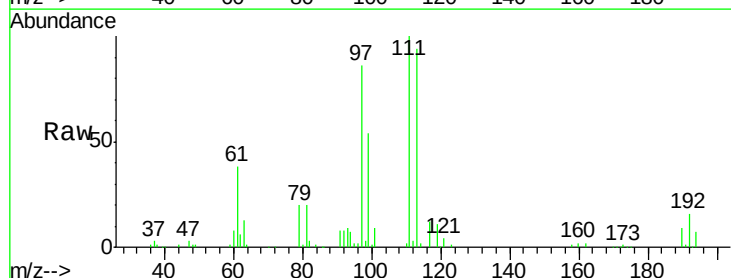
Manual Integrations
APPROVED

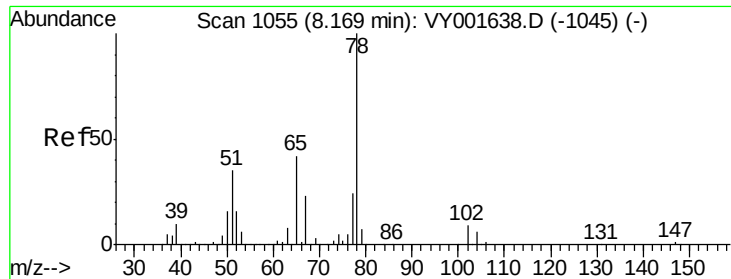
MMDadoda
2/20/2020 5:56:01 PM



#32
1,1,1-Trichloroethane
Concen: 19.335 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	44.8	35.0	52.6





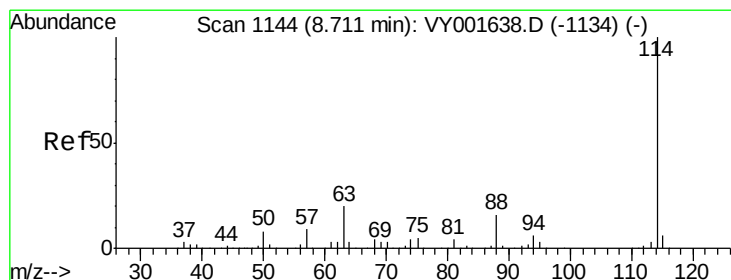
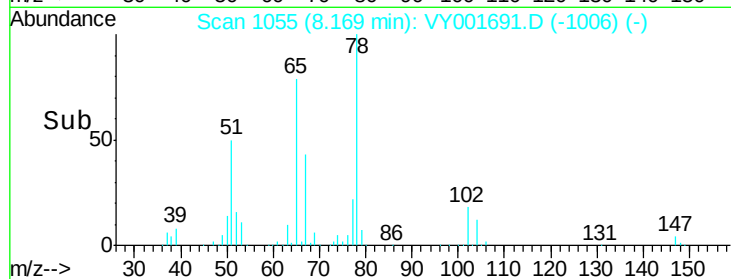
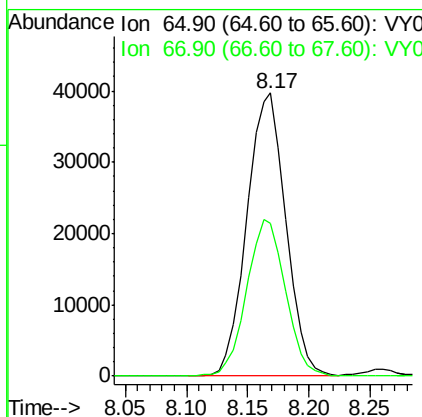
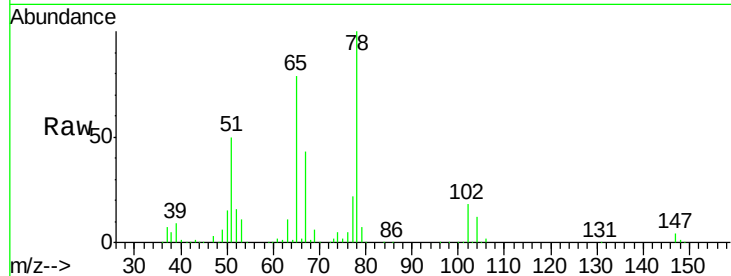
#33
 1,2-Dichloroethane-d4
 Concen: 46.508 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	87897		
67	55.1	0.0	111.0	

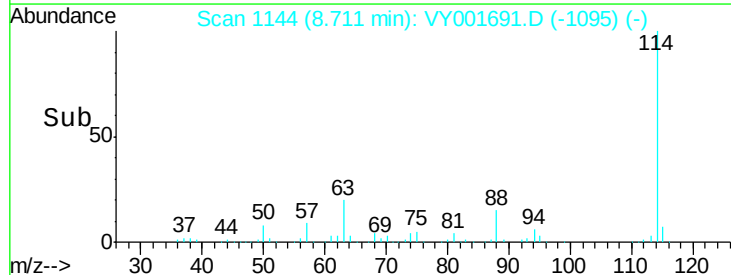
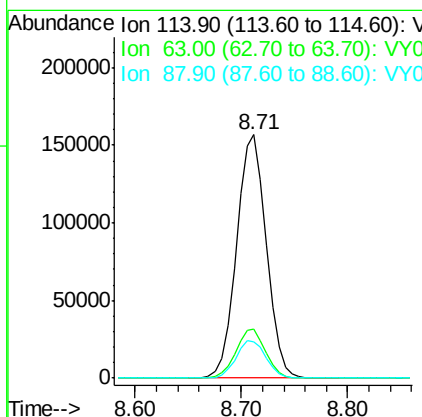
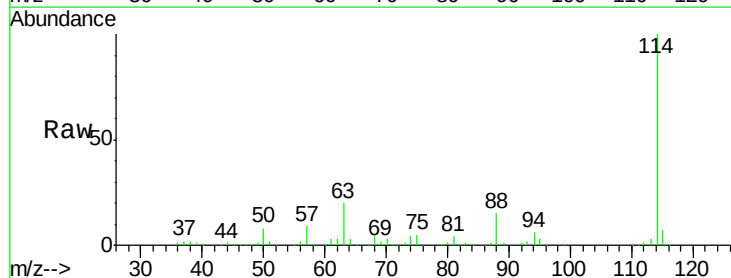
Manual Integrations
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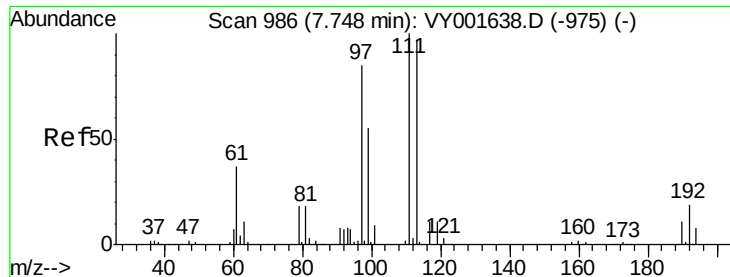
MMDadoda
 2/20/2020 5:56:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306553		
63	20.4	0.0	41.4	
88	14.9	0.0	32.8	





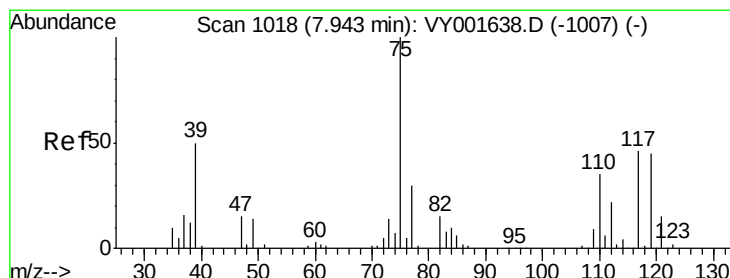
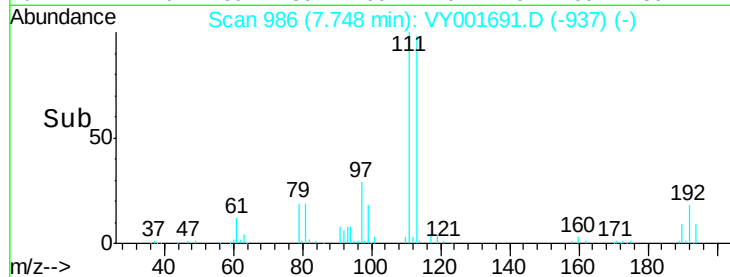
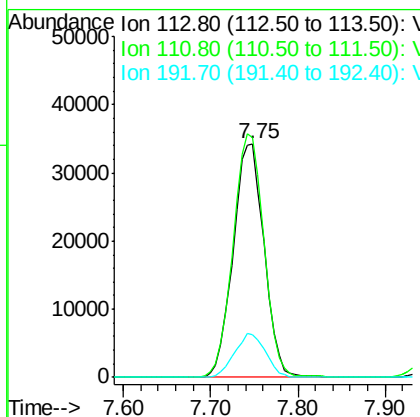
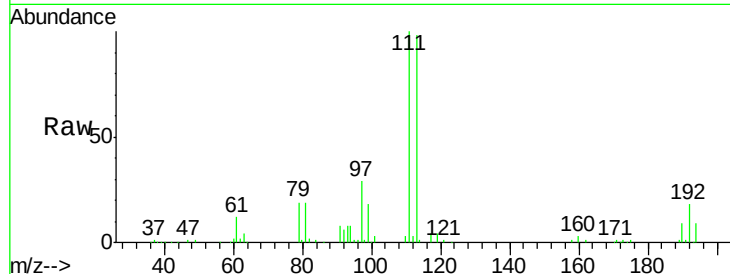
#35
 Dibromofluoromethane
 Concen: 48.057 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.9	122.9
192	18.7	14.3	21.5

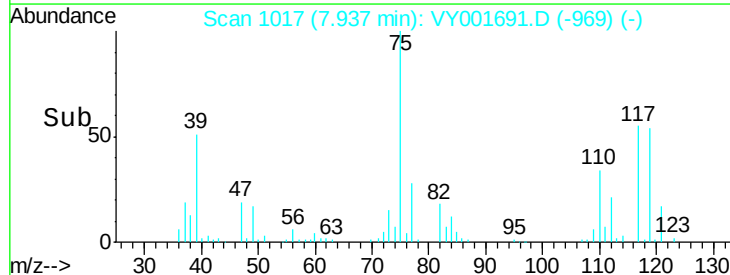
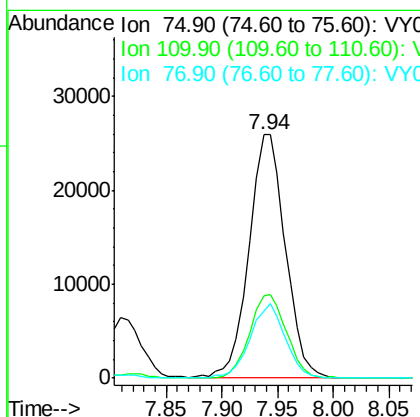
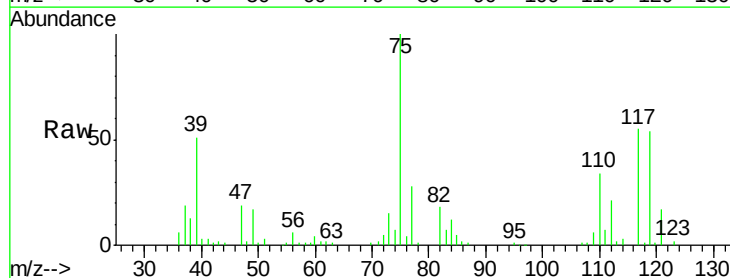
Manual Integrations
 APPROVED

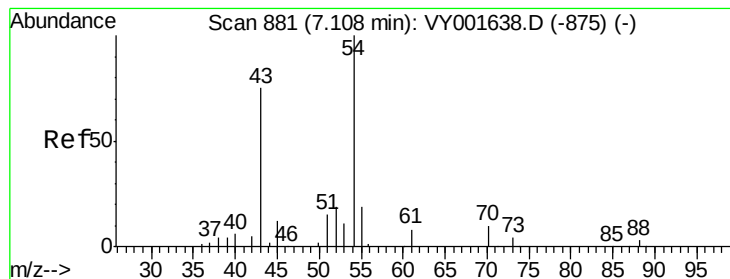
MMDadoda
 2/20/2020 5:56:01 PM



#36
 1,1-Dichloropropene
 Concen: 20.176 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	29.7	24.8	37.2





#37

Ethyl Acetate

Concen: 16.856 ug/l

RT: 7.10 min Scan# 879

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

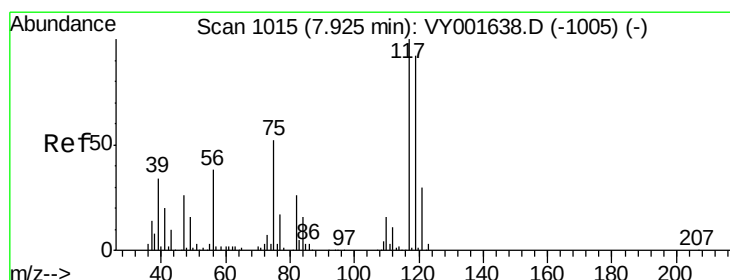
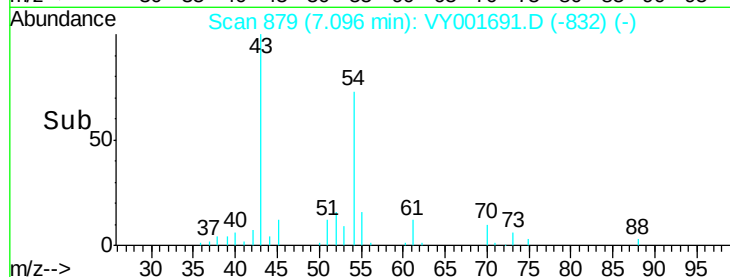
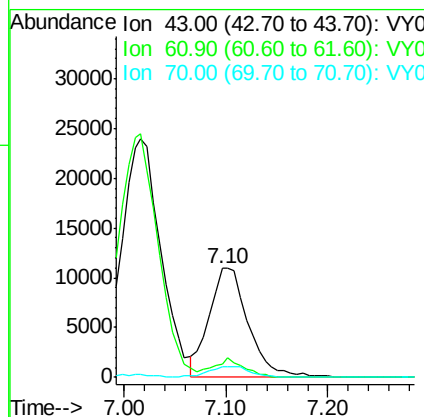
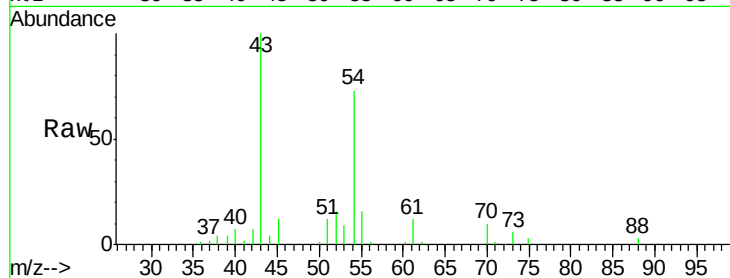
ClientSampleId :

VY0219SBS01

Tot Ion:	43	Resp:	29459
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	10.5	8.8	13.2

Manual Integrations
APPROVED

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2/20/2020 5:56:01 PM



#38

Carbon Tetrachloride

Concen: 19.858 ug/l

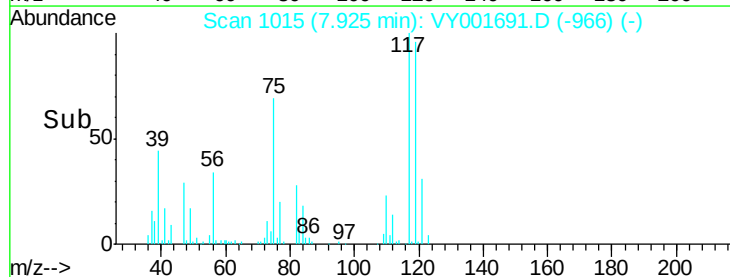
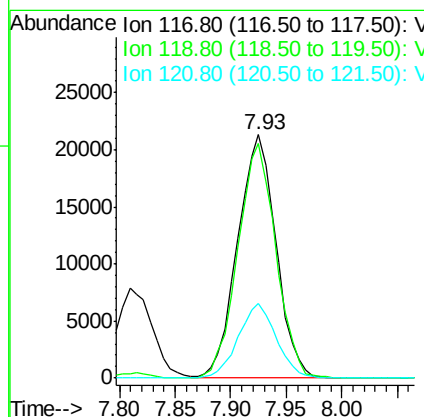
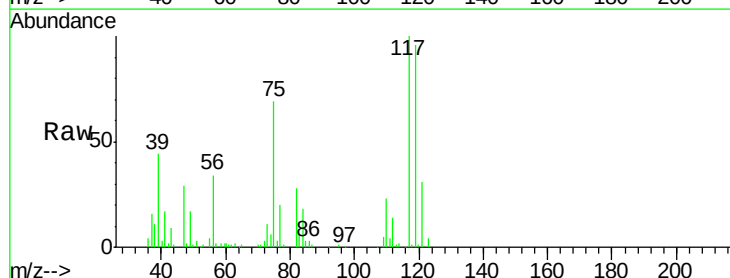
RT: 7.93 min Scan# 1015

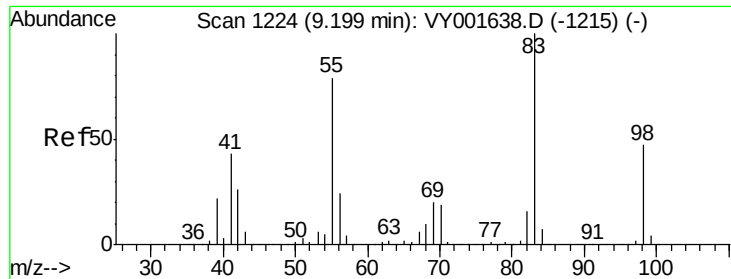
Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	117	Resp:	51074
Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.8	112.2
121	30.8	23.8	35.6





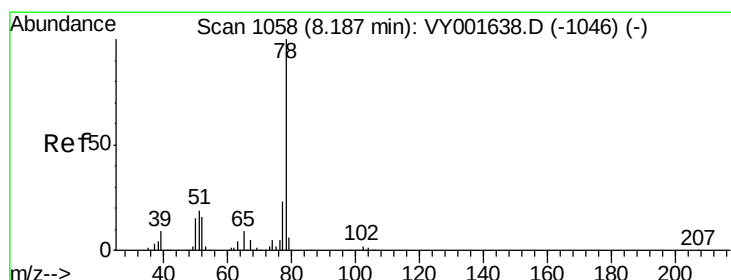
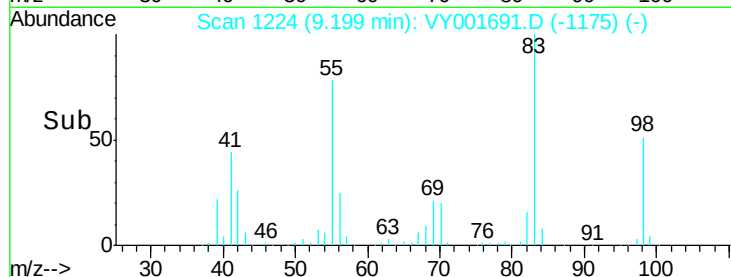
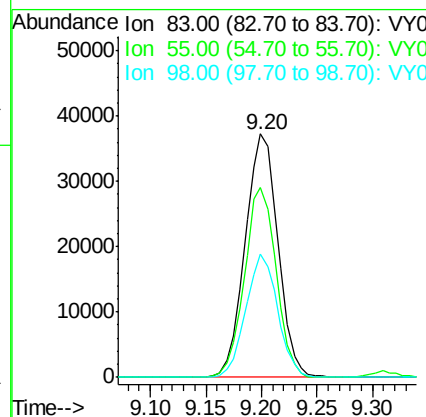
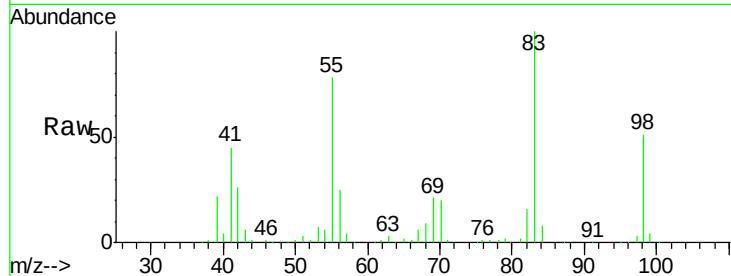
#39
Methylvlcyclohexane
Concen: 19.641 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.3	91.9
98	50.5	38.0	57.0

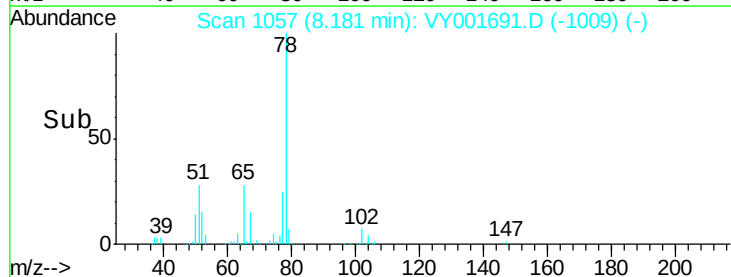
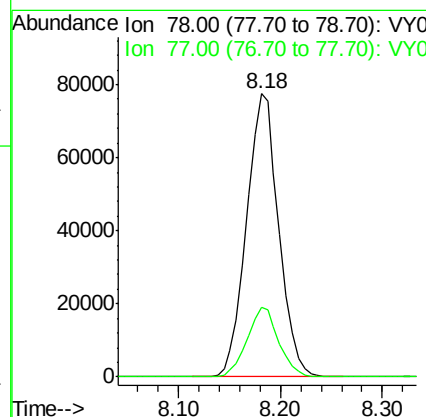
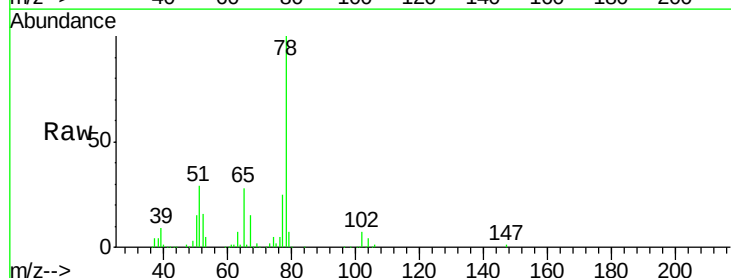
Manual Integrations
APPROVED

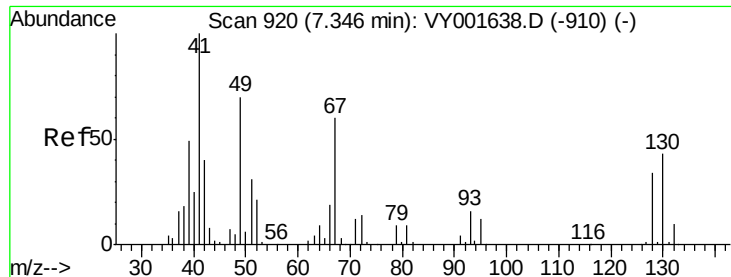
MMDadoda
2/20/2020 5:56:01 PM



#40
Benzene
Concen: 19.704 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.2	27.4





#41

Methacrylonitrile

Concen: 12.669 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 41 Resp: 11117
Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

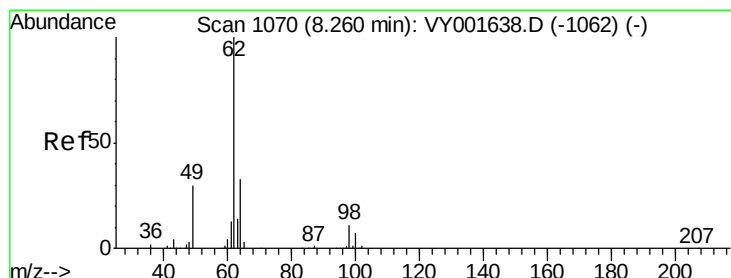
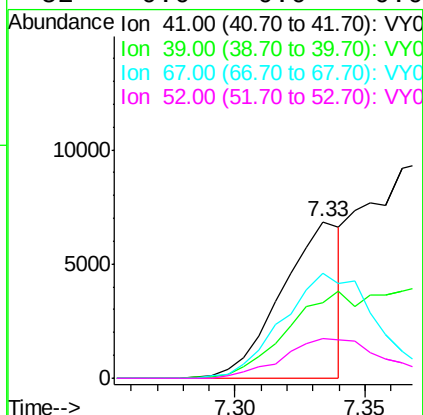
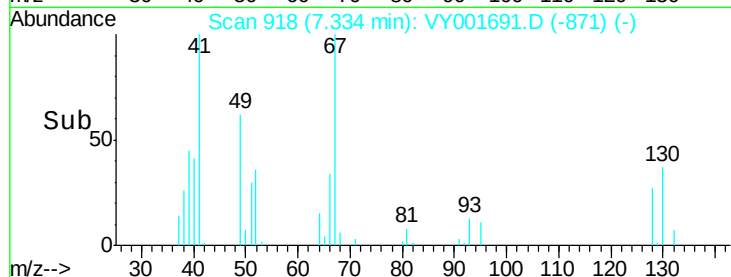
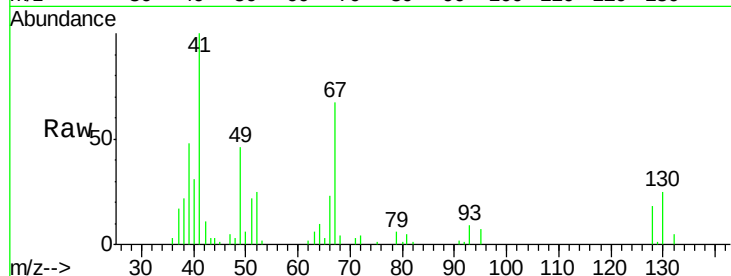
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/20/2020 5:56:01 PM



#42

1,2-Dichloroethane

Concen: 18.487 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

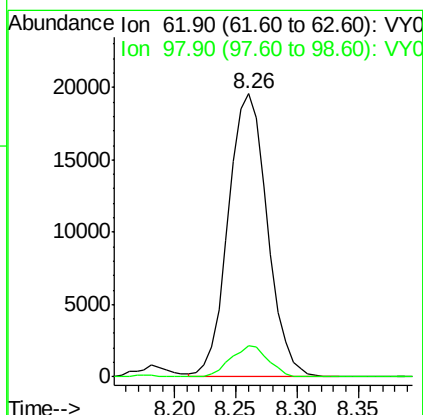
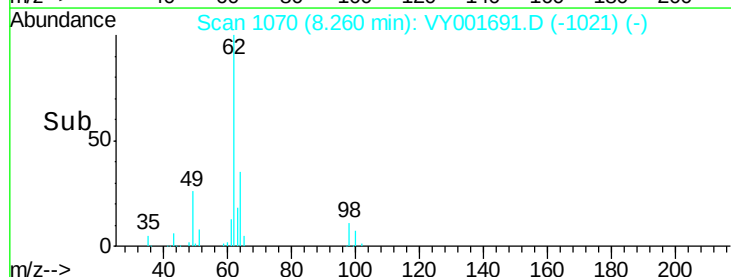
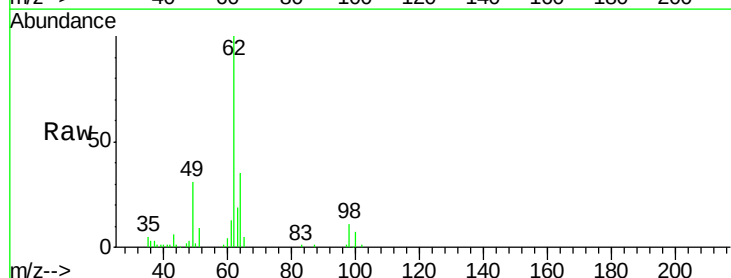
Lab File: VY001691.D

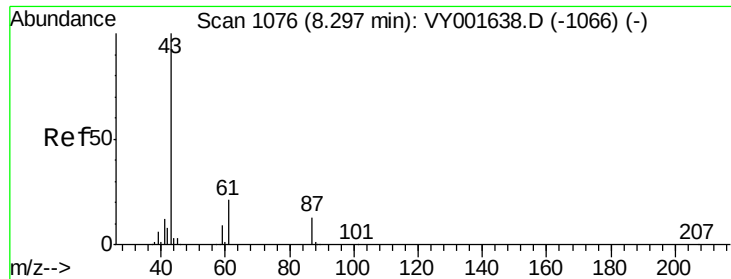
Acq: 19 Feb 2020 11:19

Tgt Ion: 62 Resp: 43373
Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





#43

Isopropyl Acetate

Concen: 16.615 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

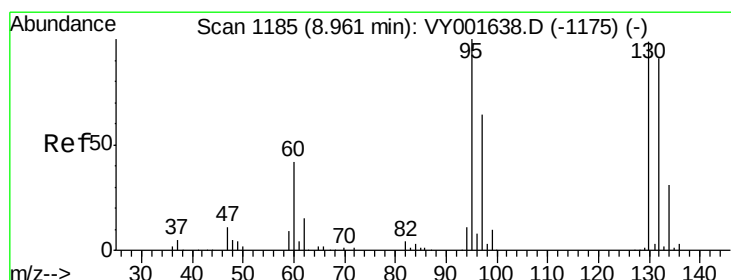
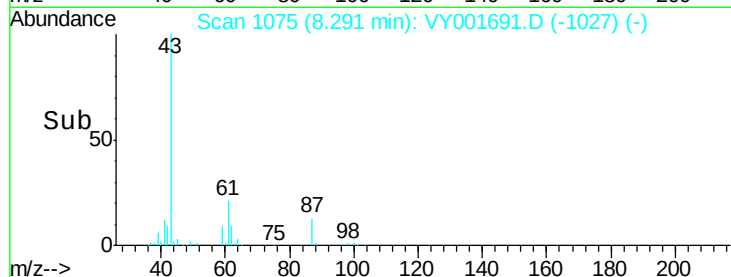
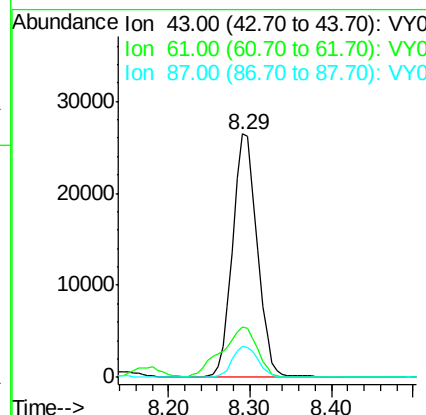
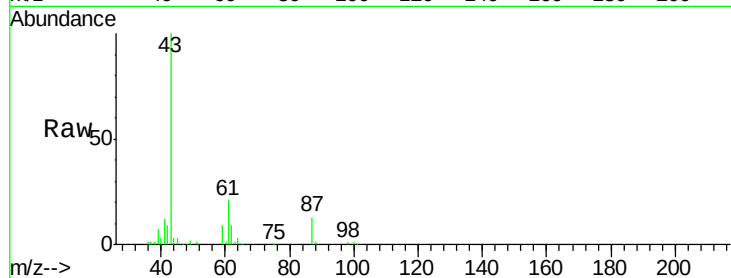
ClientSampleId :

VY0219SBS01

Tot Ion:	43	Resp:	55094
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.0	34.4
87	12.8	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.565 ug/l

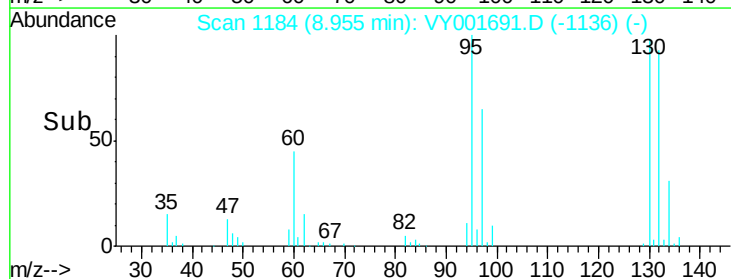
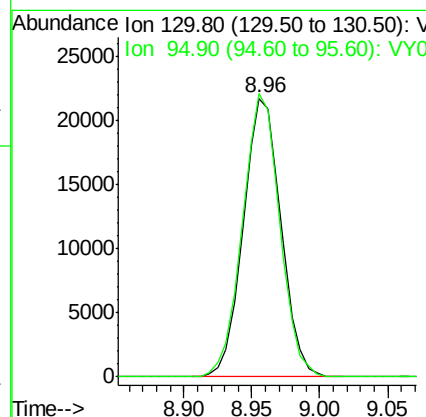
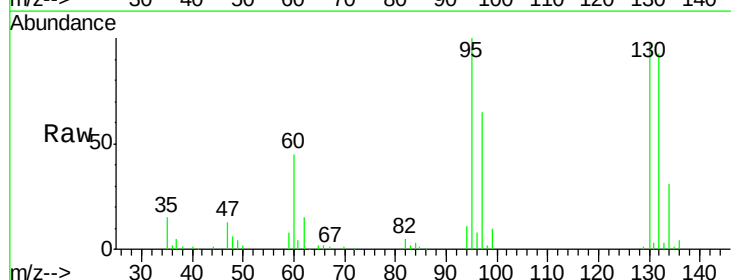
RT: 8.96 min Scan# 1184

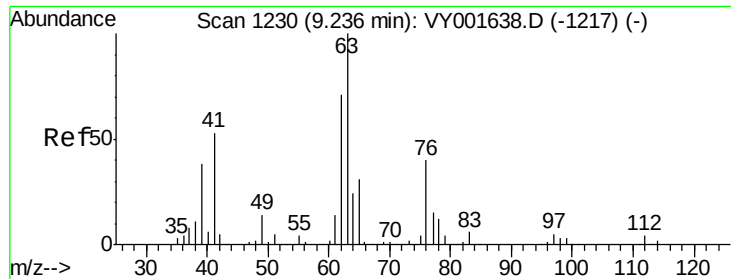
Delta R.T. -0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	130	Resp:	42062
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	200.6





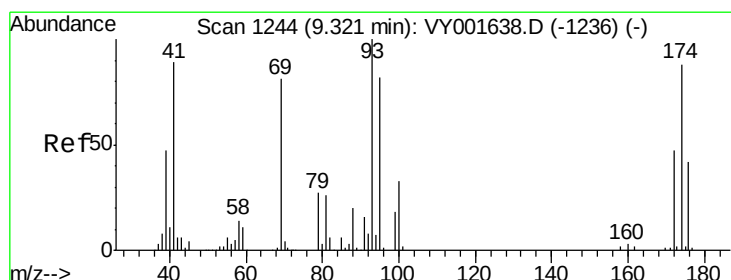
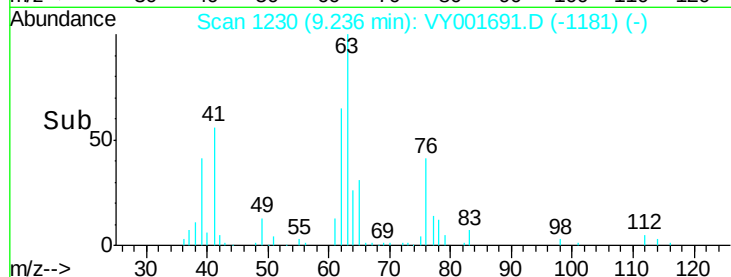
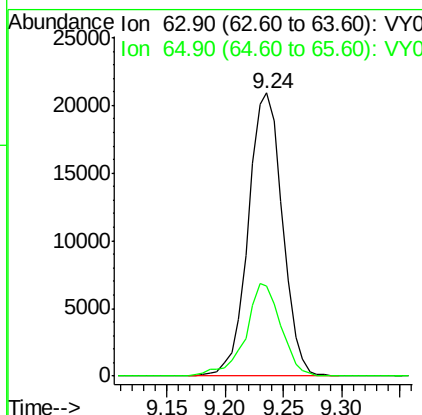
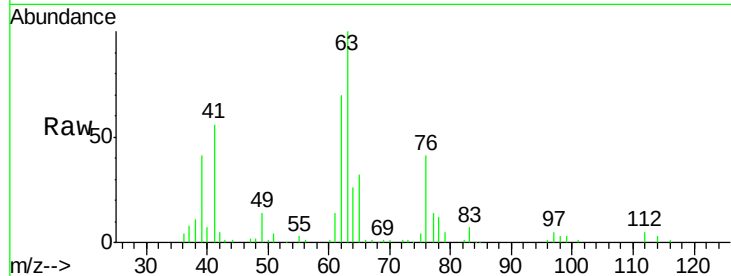
#45
 1,2-Dichloropropane
 Concen: 19.762 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion: 63 Resp: 42623
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0

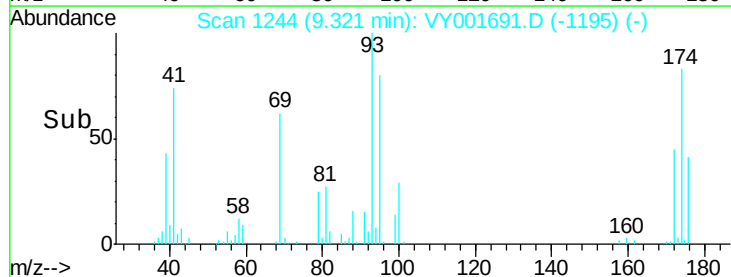
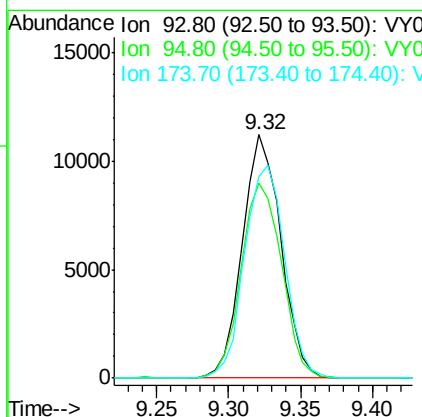
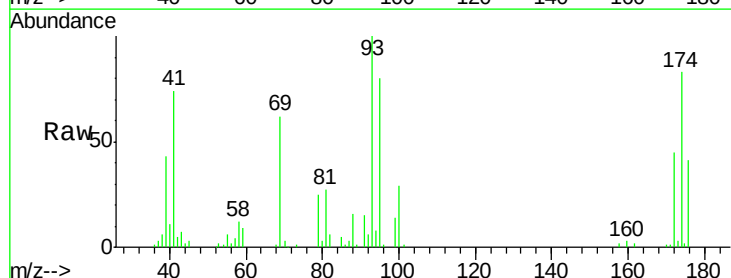
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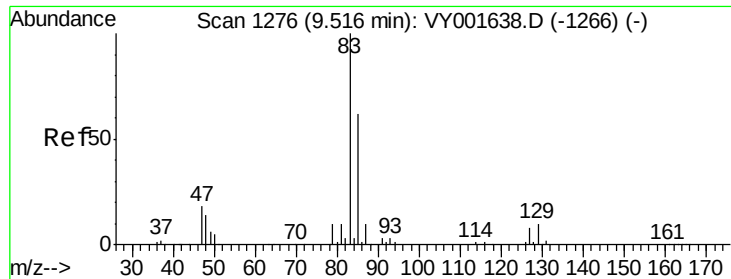
MMDadoda
 2/20/2020 5:56:01 PM



#46
 Dibromomethane
 Concen: 18.442 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 93 Resp: 20804
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.1 99.1
 174 91.2 72.5 108.7





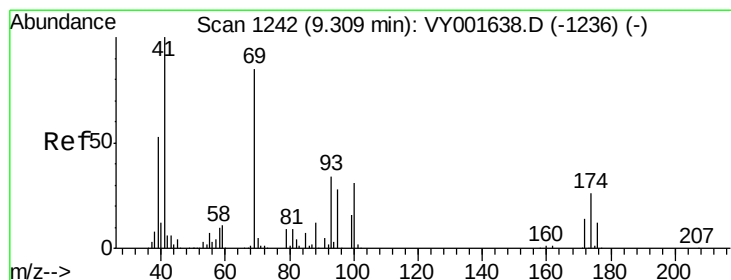
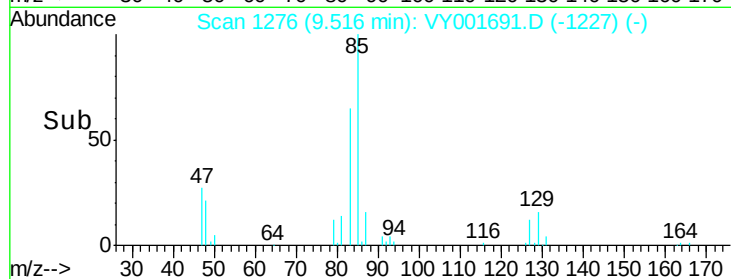
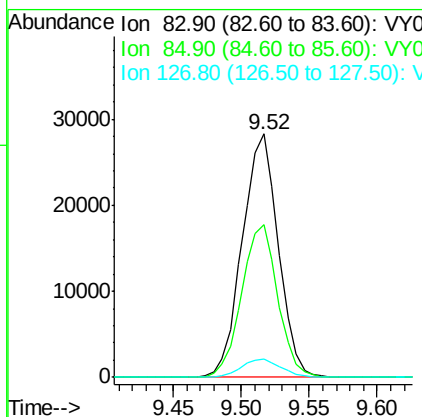
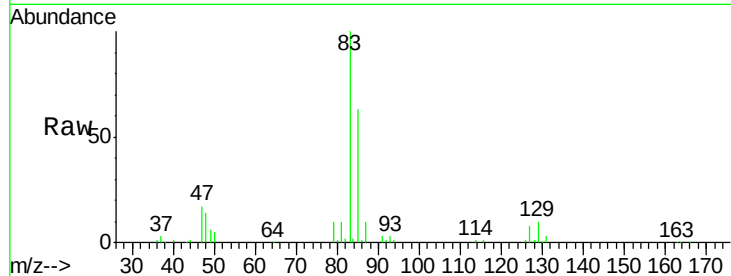
#47
Bromodichloromethane
Concen: 19.245 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	83	Resp	52397
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	7.8	6.4	9.6

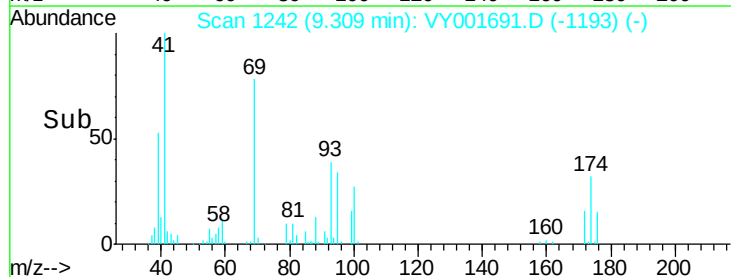
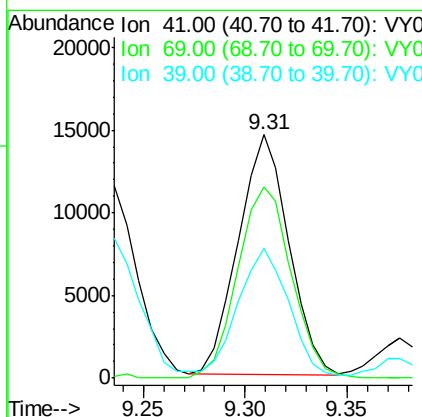
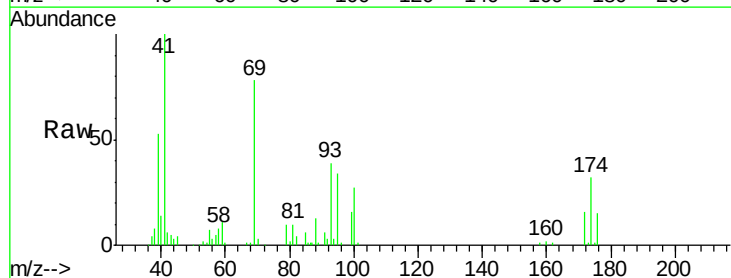
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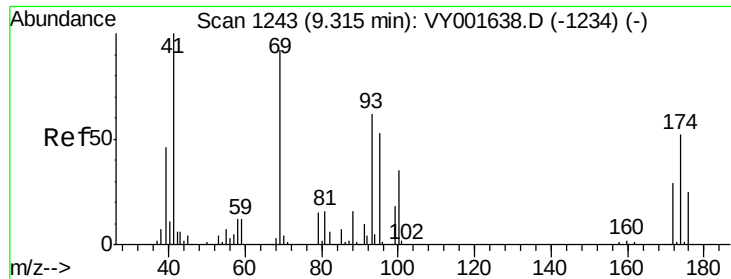
MMDadoda
2/20/2020 5:56:01 PM



#48
Methyl methacrylate
Concen: 16.678 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	41	Resp	25012
Ion Ratio	100	Lower	Upper
41	100		
69	84.3	70.7	106.1
39	54.9	42.2	63.2





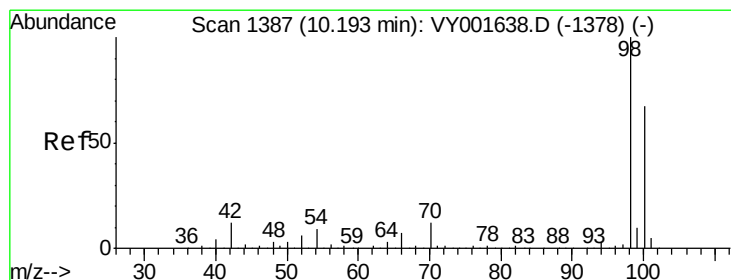
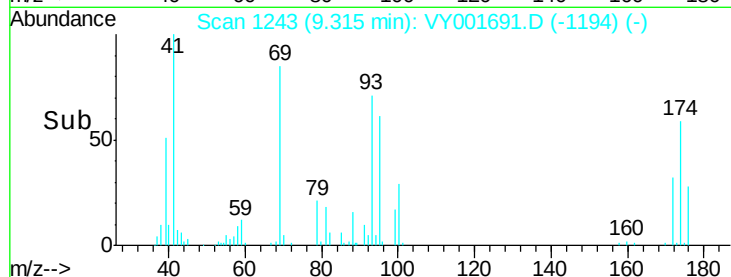
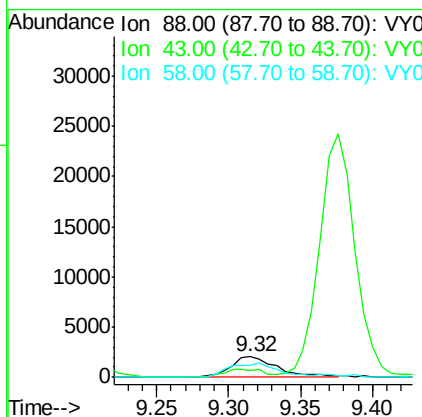
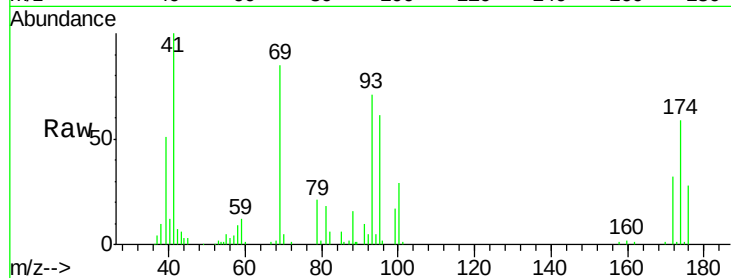
#49
1,4-Dioxane
Concen: 293.356 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 88 Resp: 4674
Ion Ratio Lower Upper
88 100
43 35.9 23.1 34.7#
58 73.0 58.1 87.1

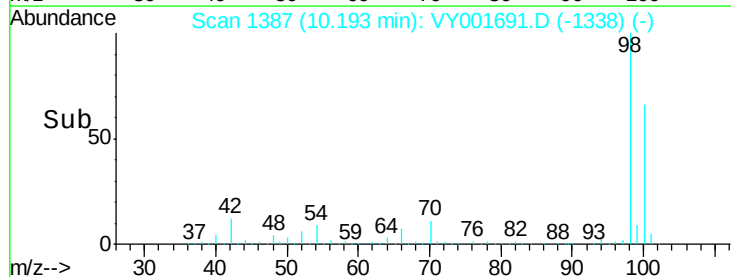
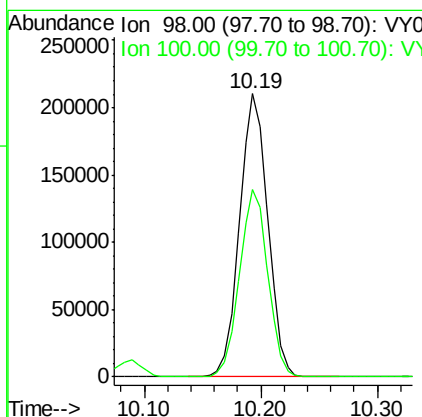
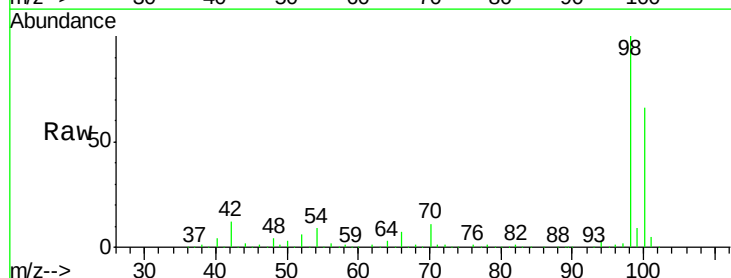
Manual Integrations
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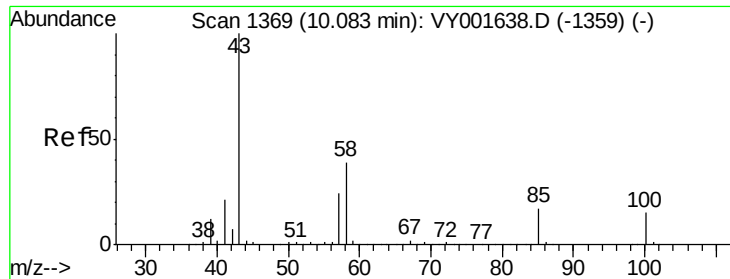
MMDadoda
2/20/2020 5:56:01 PM



#50
Toluene-d8
Concen: 51.636 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 98 Resp: 355188
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4





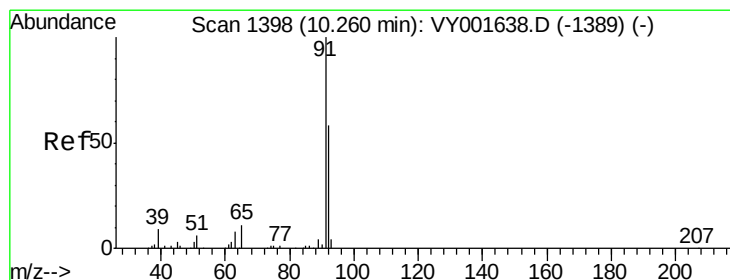
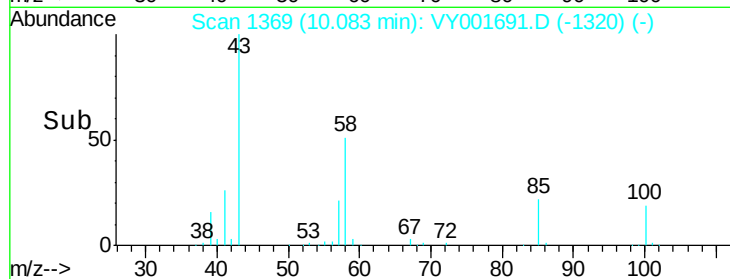
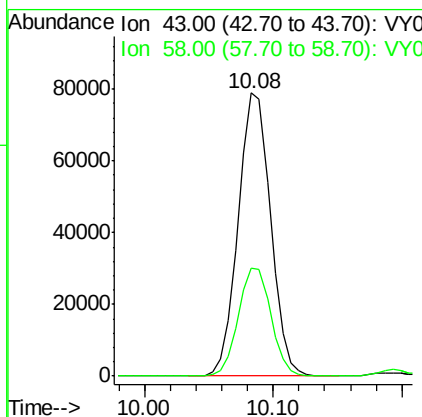
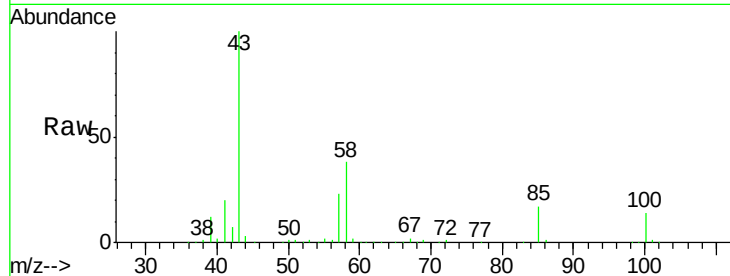
#51
4-Methyl-2-Pentanone
Concen: 80.757 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	38.4		32.2	48.4	

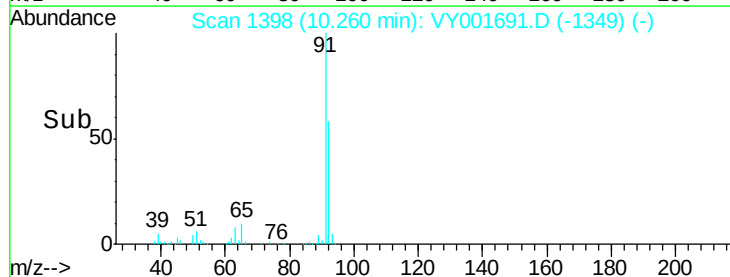
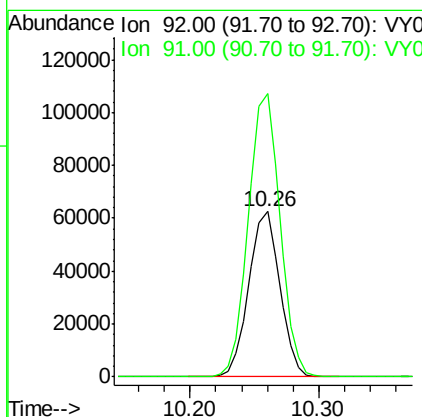
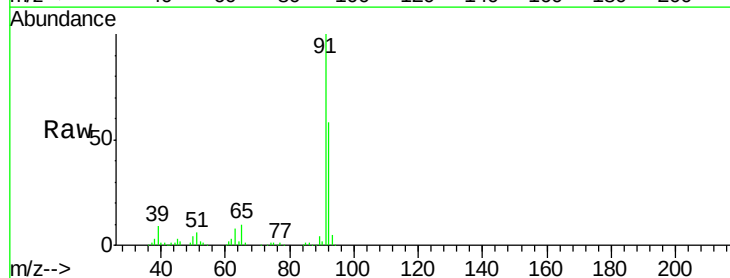
Manual Integrations
APPROVED

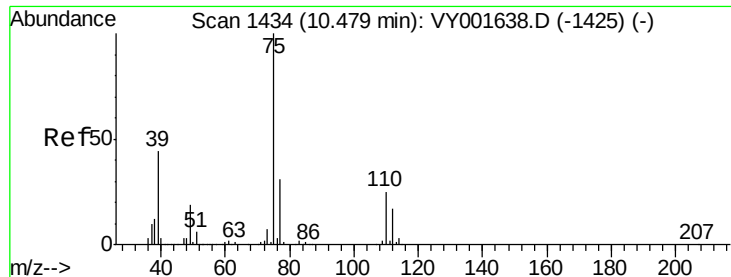
MMDadoda
2/20/2020 5:56:01 PM



#52
Toluene
Concen: 19.384 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	174.6		137.0	205.6	





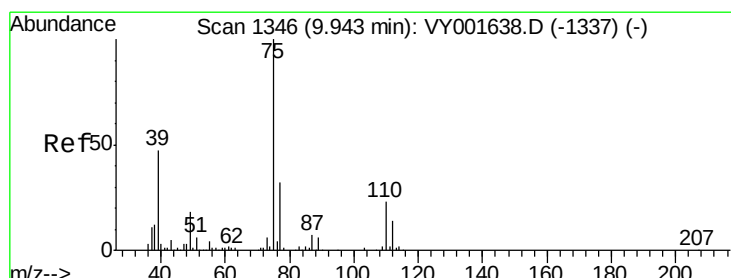
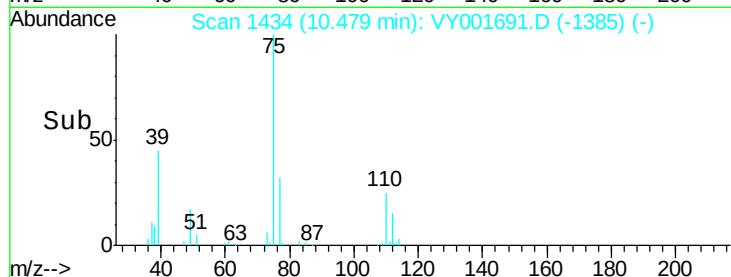
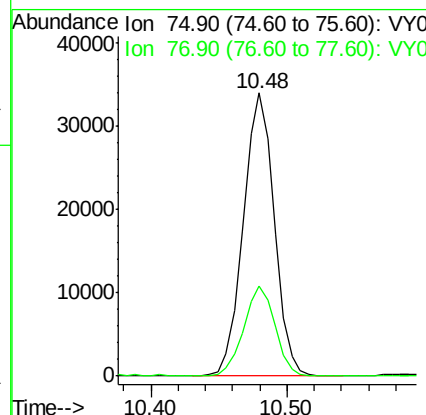
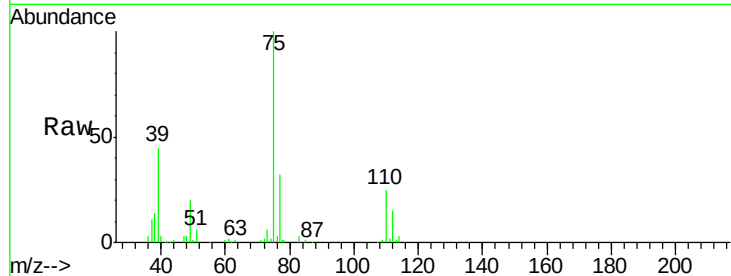
#53
t-1,3-Dichloropropene
Concen: 17.904 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8

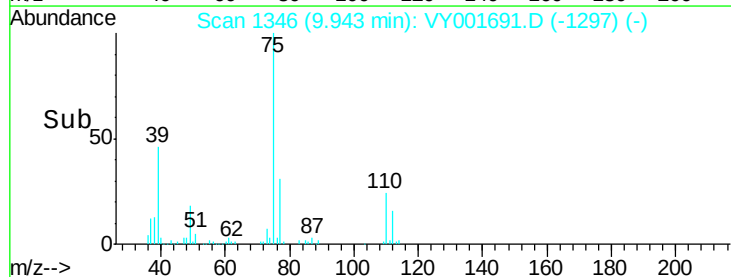
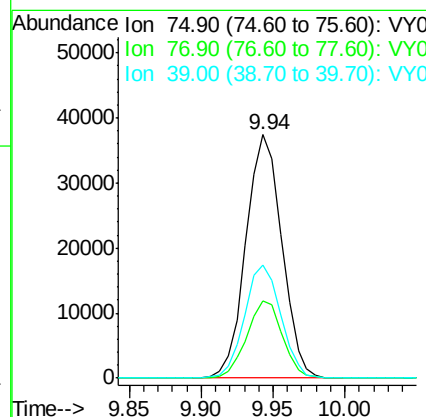
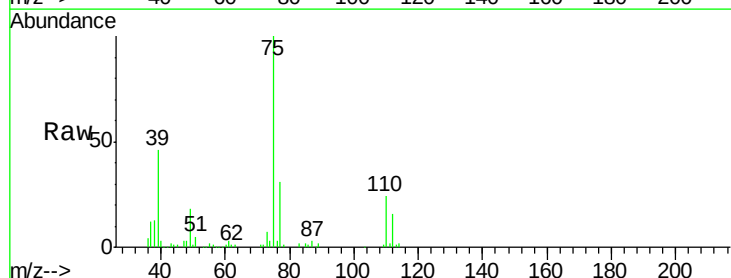
Manual Integrations
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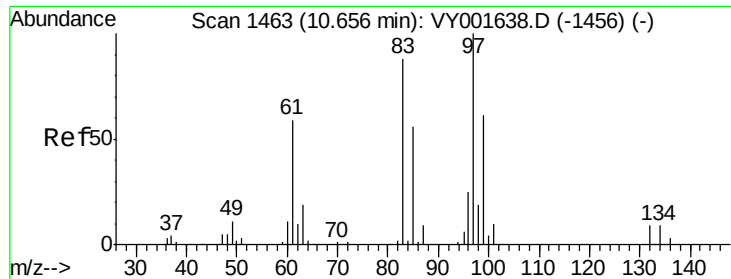
MMDadoda
2/20/2020 5:56:01 PM



#54
cis-1,3-Dichloropropene
Concen: 18.609 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	46.4	35.7	53.5





#55

1,1,2-Trichloroethane

Concen: 18.188 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

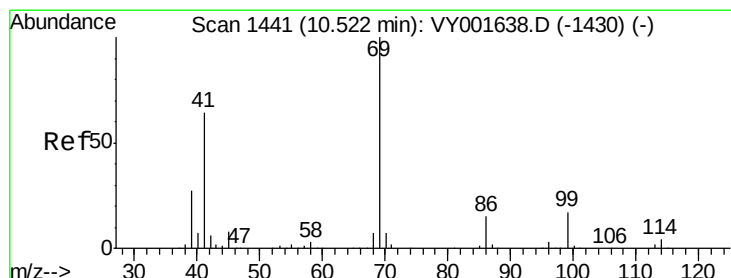
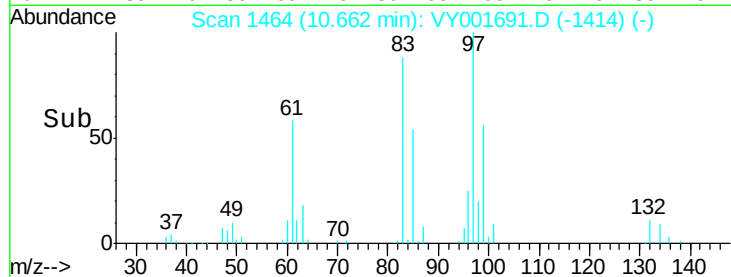
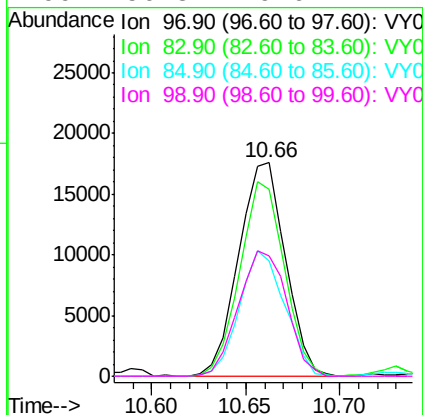
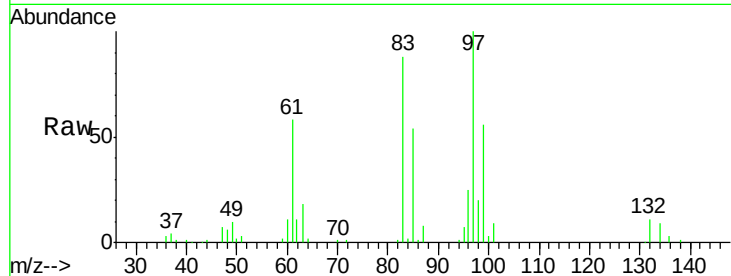
ClientSampleId :

VY0219SBS01

Tot Ion:	97	Resp:	30254
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.7	104.5
85	53.8	44.5	66.7
99	56.3	49.6	74.4

Manual Integrations
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2/20/2020 5:56:01 PM



#56

Ethyl methacrylate

Concen: 16.331 ug/l

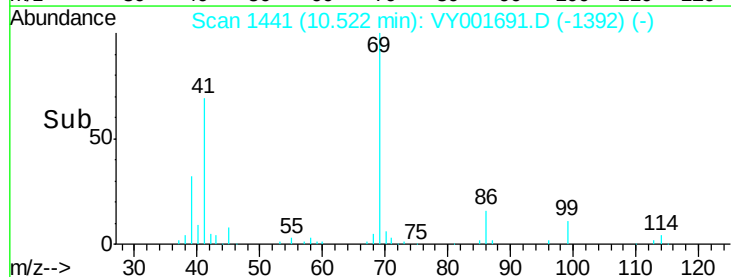
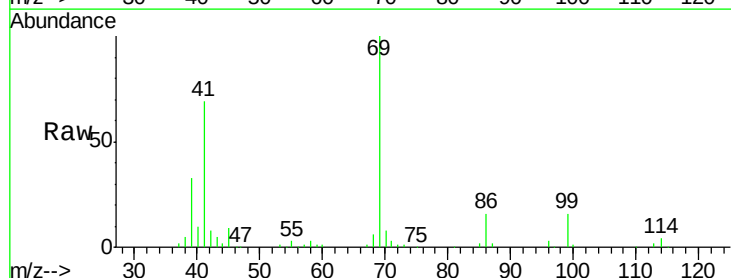
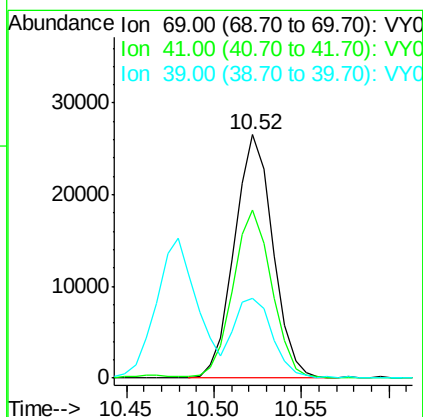
RT: 10.52 min Scan# 1441

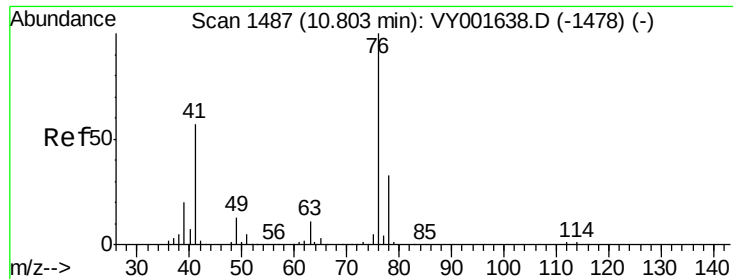
Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	69	Resp:	40751
Ion	Ratio	Lower	Upper
69	100		
41	69.1	51.0	76.4
39	32.4	24.7	37.1





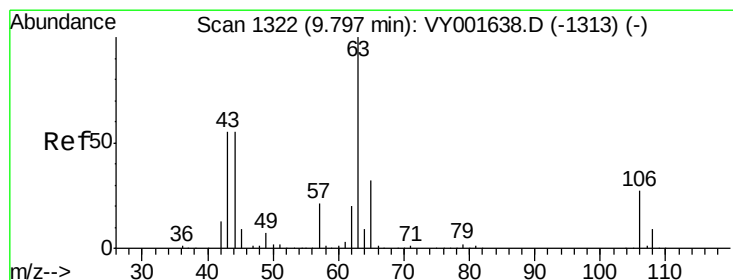
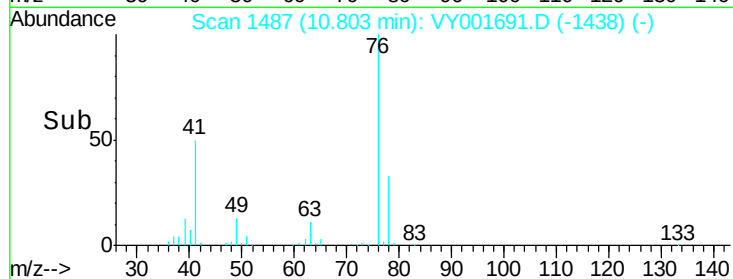
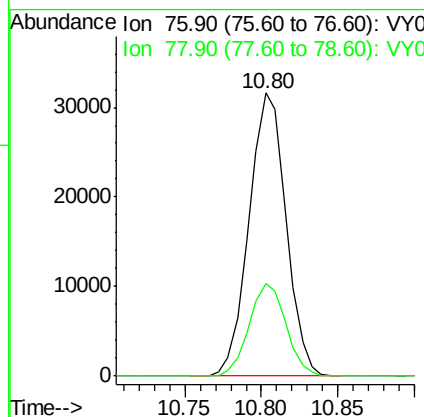
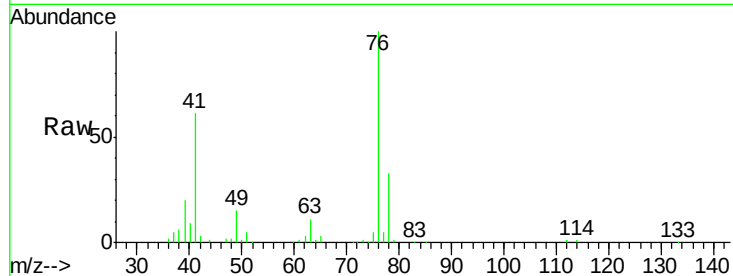
#57
 1,3-Dichloropropane
 Concen: 18.012 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion: 76 Resp: 53235
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

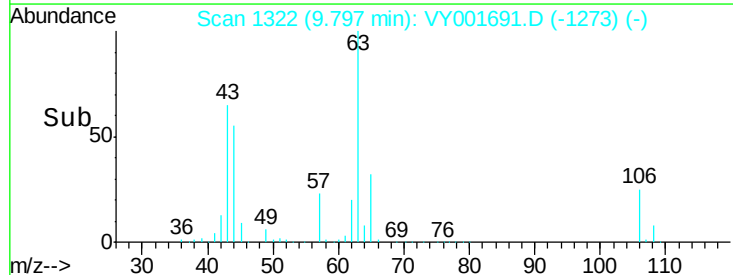
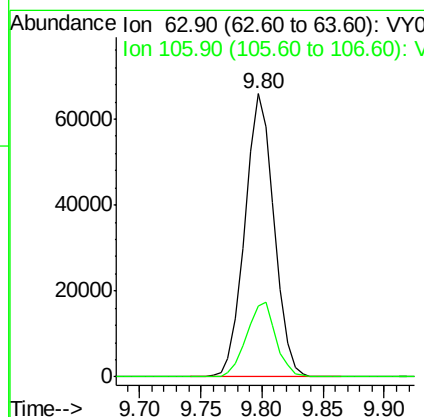
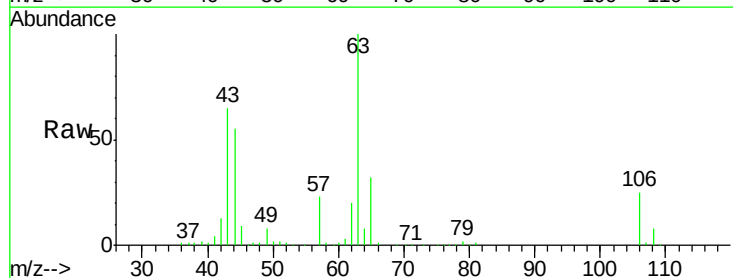
Manual Integrations
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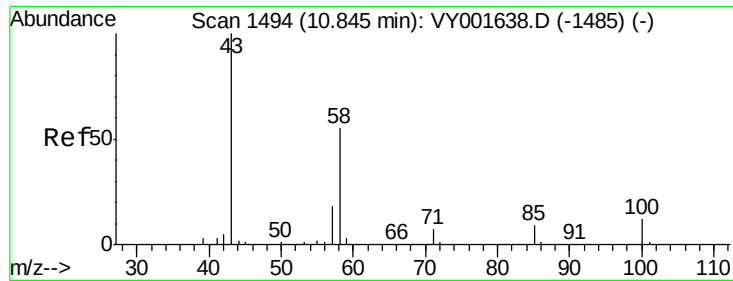
MMDadoda
 2/20/2020 5:56:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.890 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 63 Resp: 108849
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4





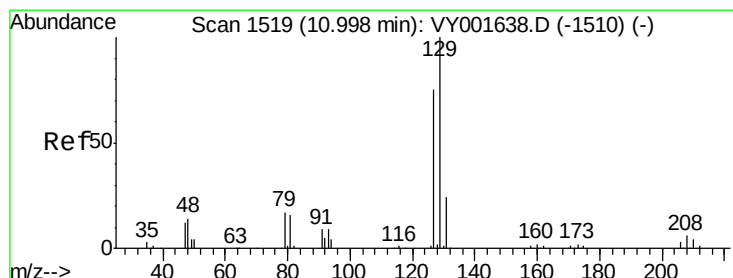
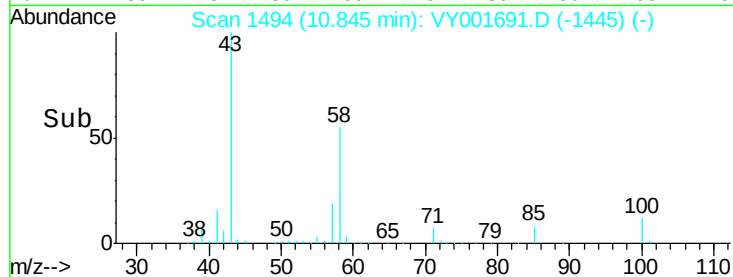
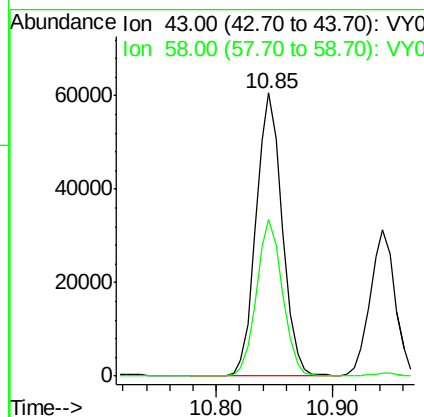
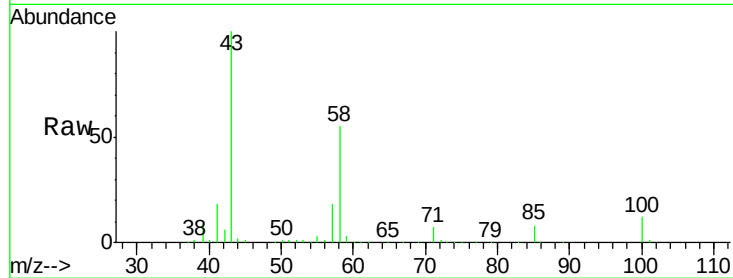
#59
2-Hexanone
Concen: 74.300 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 43 Resp: 94980
Ion Ratio Lower Upper
43 100
58 54.7 28.4 85.2

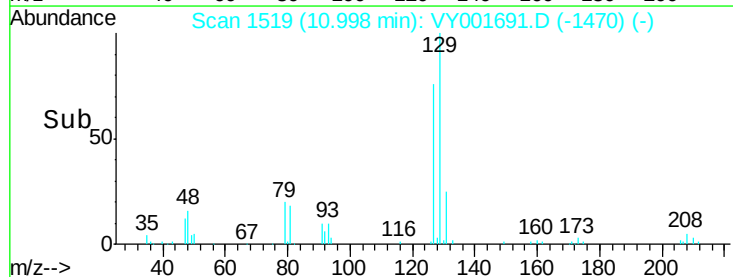
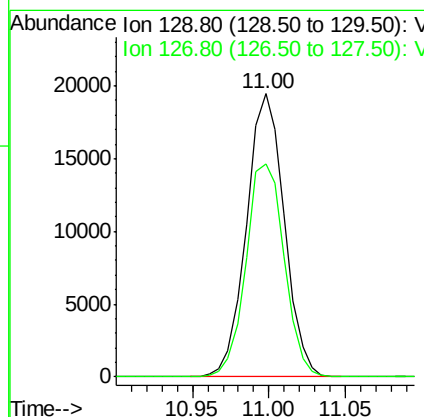
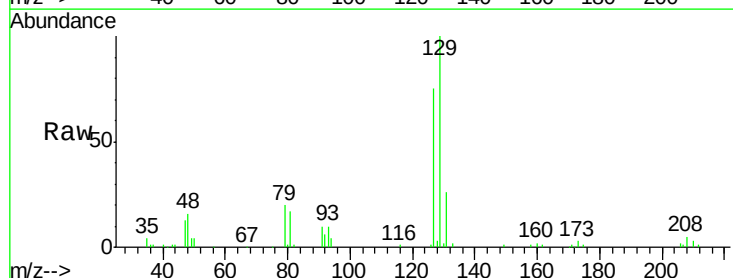
Manual Integrations
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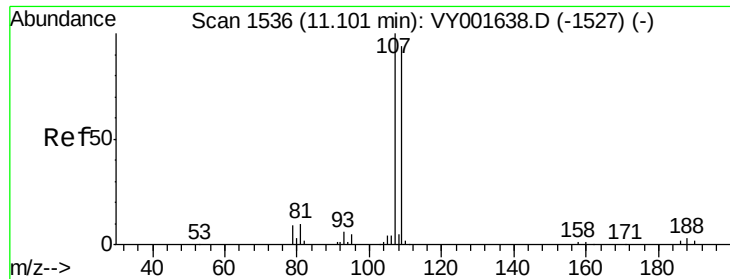
MMDadoda
2/20/2020 5:56:01 PM



#60
Dibromochloromethane
Concen: 18.212 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion:129 Resp: 33399
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.6





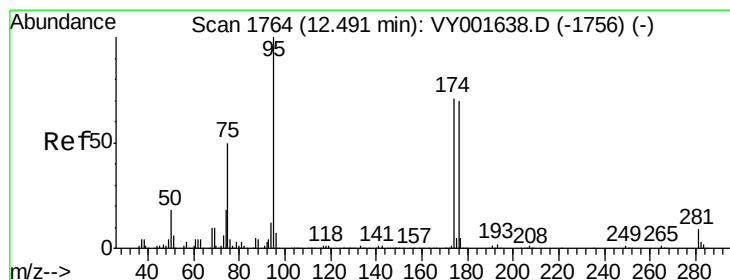
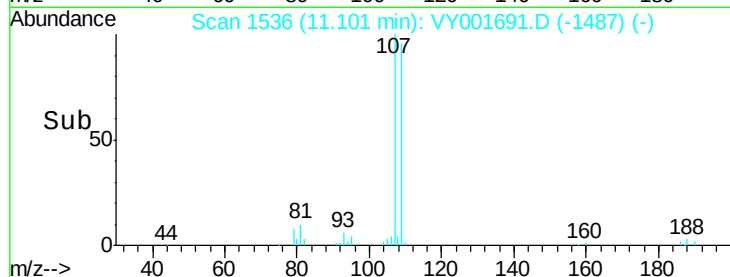
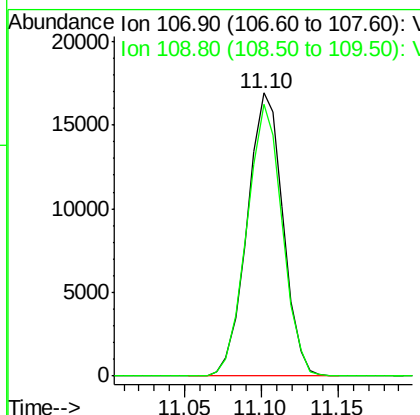
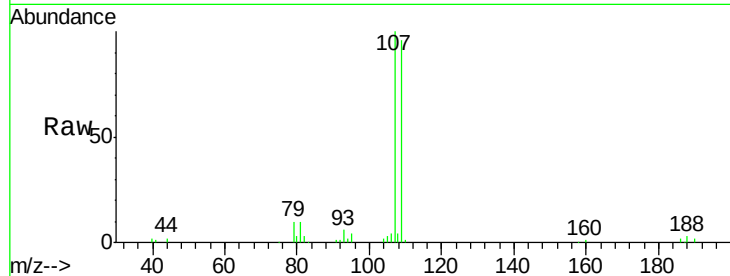
#61
 1,2-Dibromoethane
 Concen: 17.501 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.2	111.4

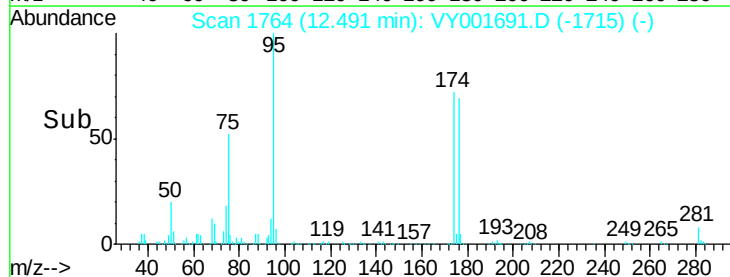
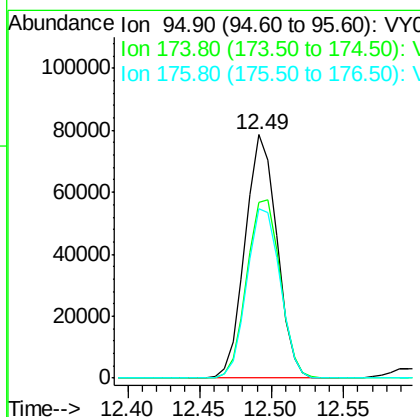
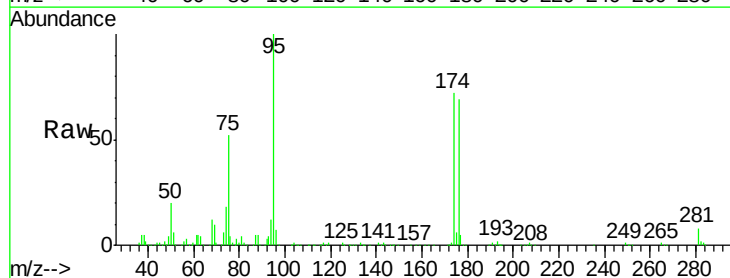
Manual Integrations
 APPROVED

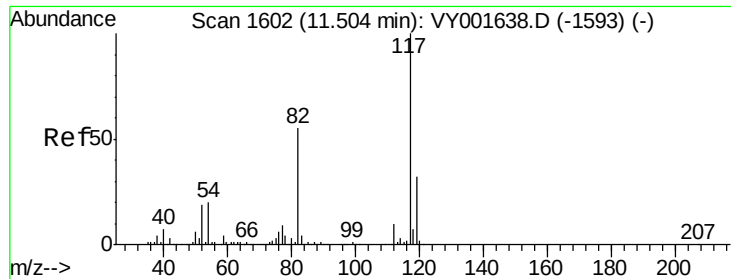
MMDadoda
 2/20/2020 5:56:01 PM



#62
 4-Bromofluorobenzene
 Concen: 45.016 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	138.4
176	72.7	0.0	131.8





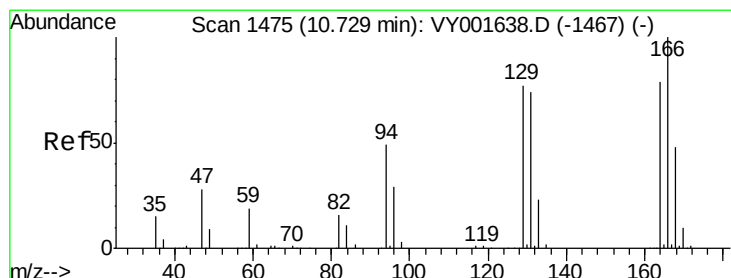
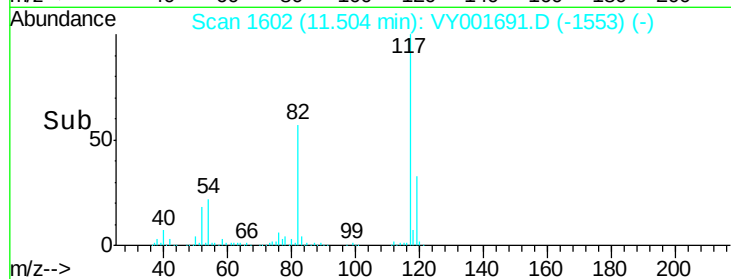
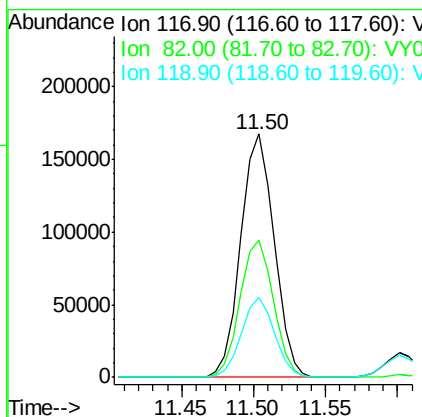
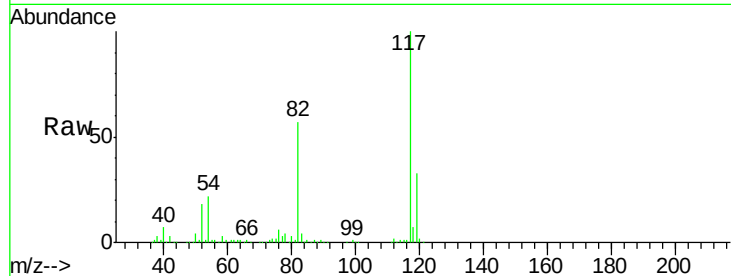
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269759		
82	56.6		45.5	68.3
119	33.0		25.8	38.6

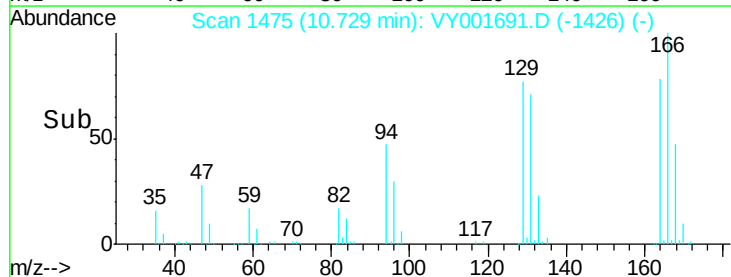
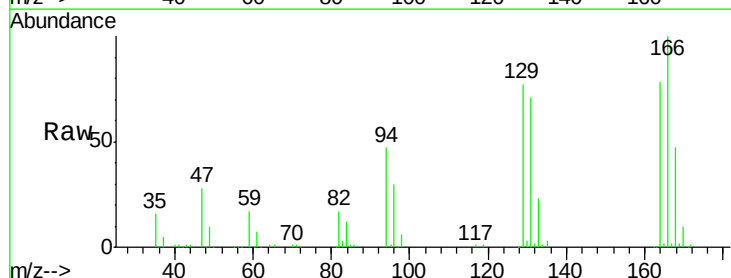
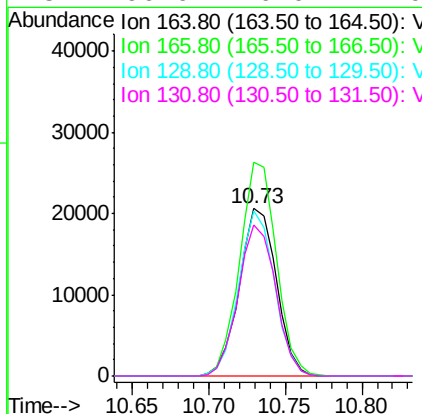
Manual Integrations
APPROVED

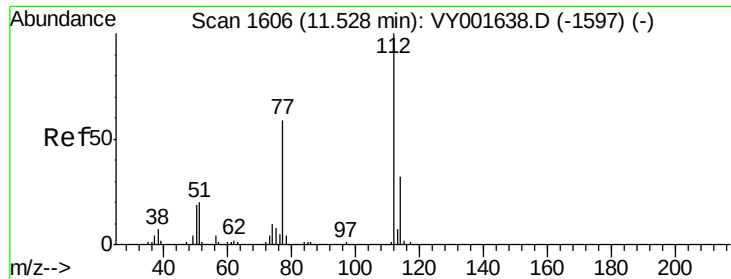
MMDadoda
2/20/2020 5:56:01 PM



#64
Tetrachloroethene
Concen: 20.522 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34753		
166	127.6		101.4	152.0
129	98.4		78.7	118.1
131	90.6		76.0	114.0





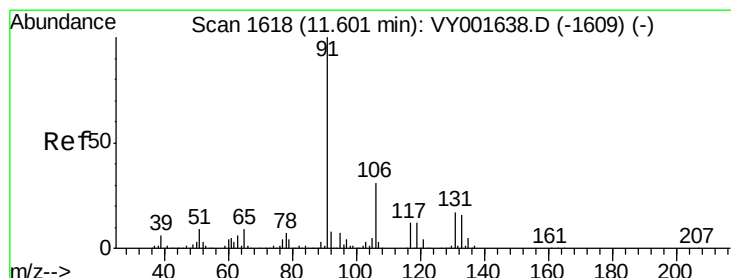
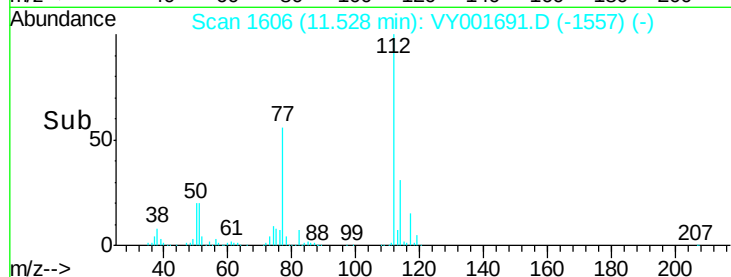
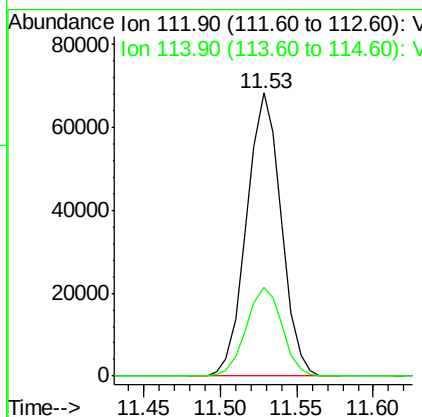
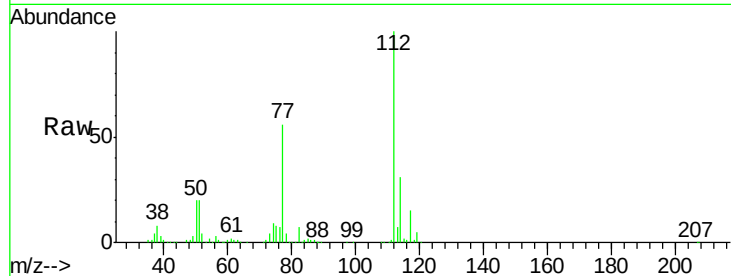
#65
Chlorobenzene
Concen: 19.941 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

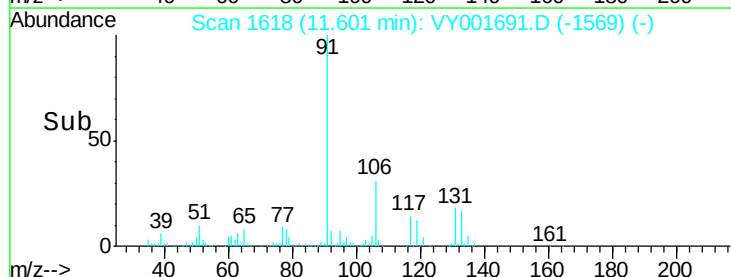
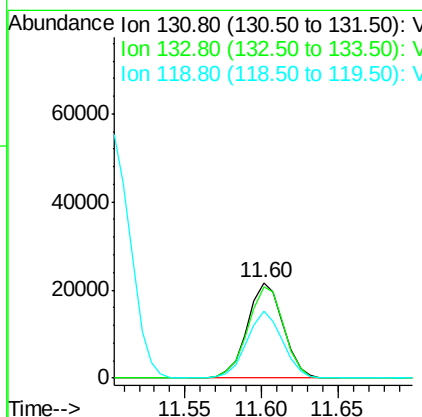
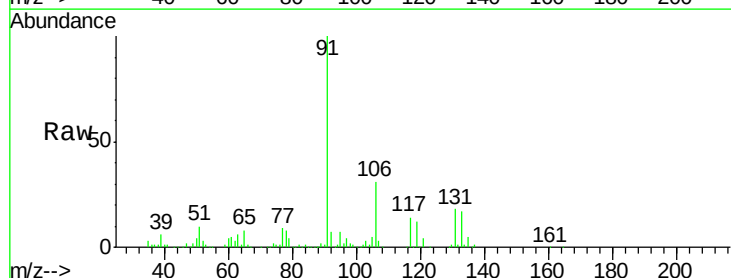
Manual Integrations
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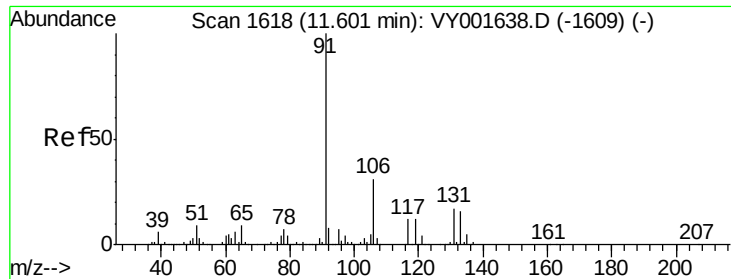
MMDadoda
2/20/2020 5:56:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.469 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.2
119	69.4	34.4	103.1





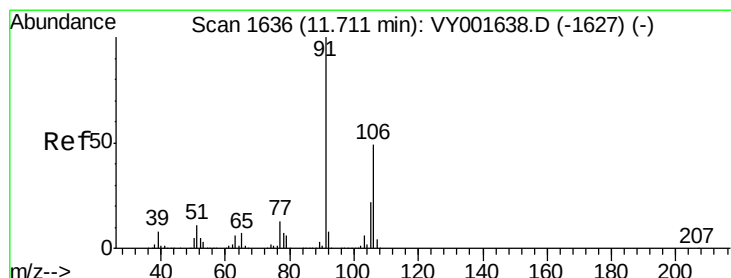
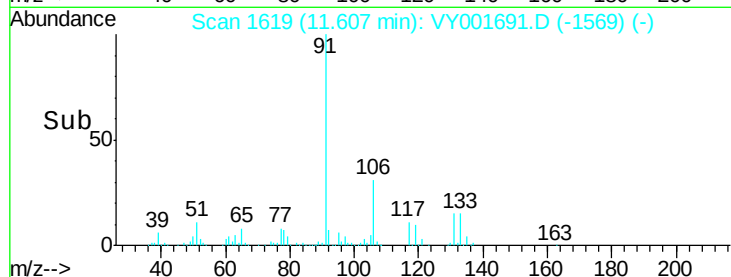
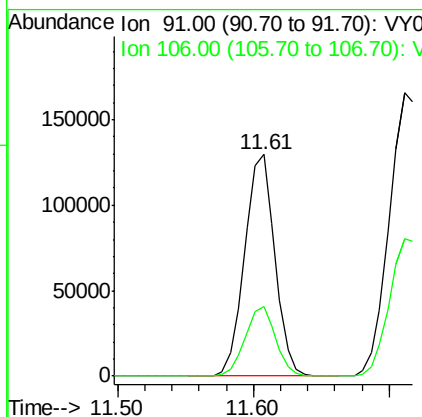
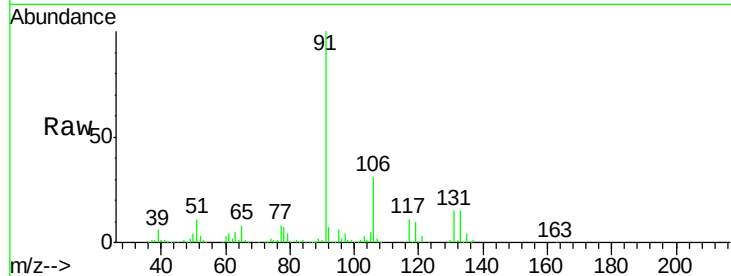
#67
Ethyl Benzene
Concen: 20.161 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion: 91 Resp: 201504
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7

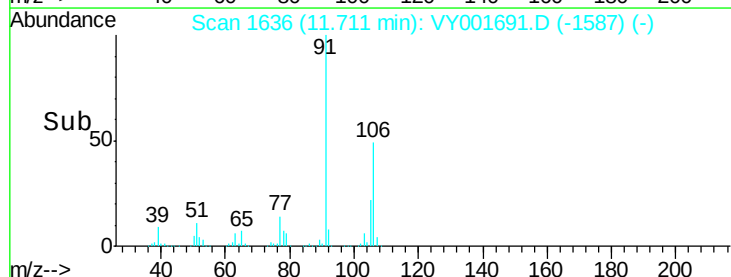
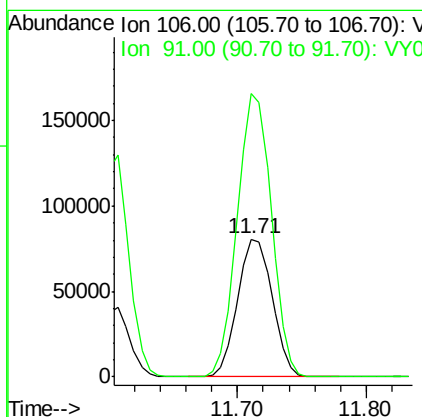
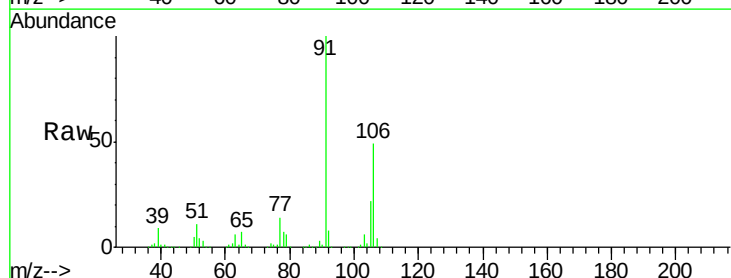
Manual Integrations
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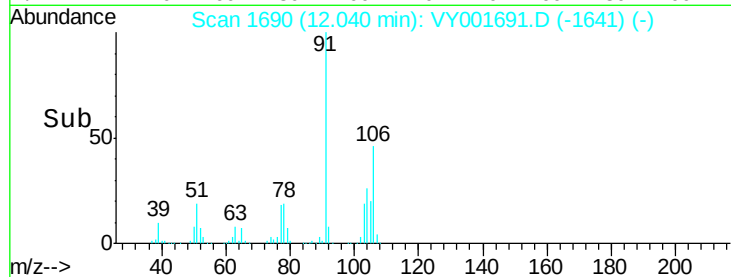
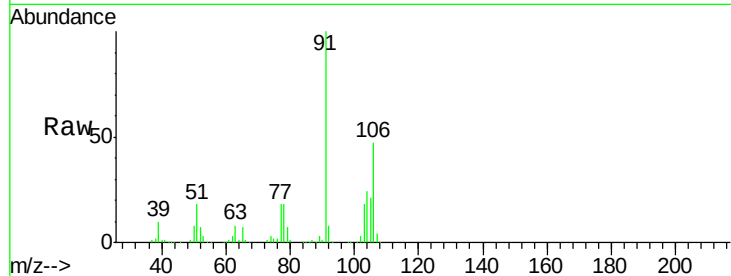
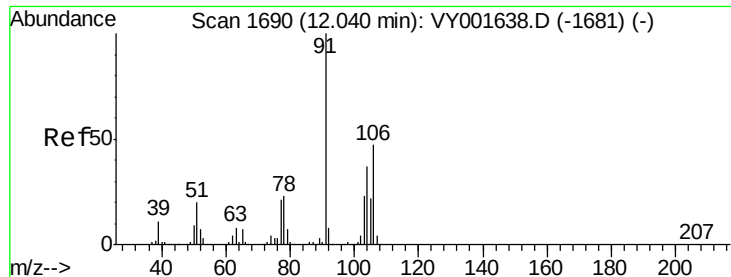
MMDadoda
2/20/2020 5:56:01 PM



#68
m/p-Xylenes
Concen: 40.325 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 106 Resp: 150552
Ion Ratio Lower Upper
106 100
91 202.6 163.3 244.9





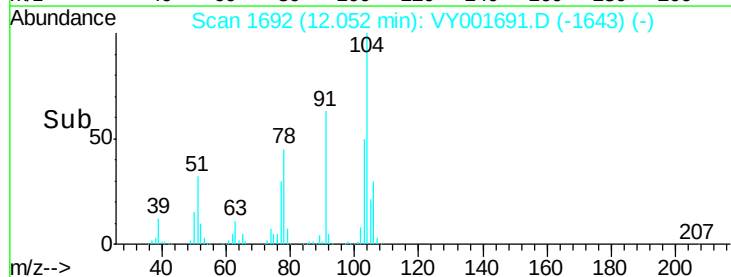
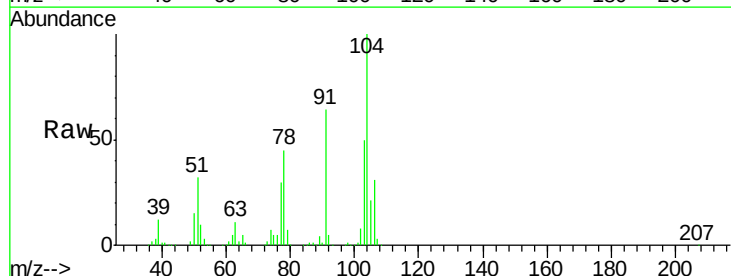
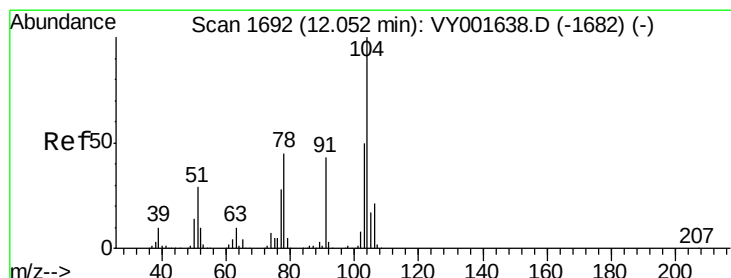
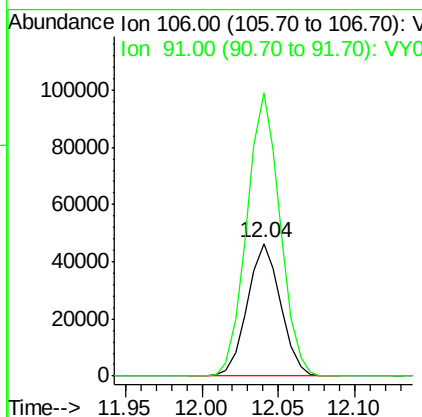
#69
o-Xylene
Concen: 19.708 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tot Ion:106 Resp: 69950
Ion Ratio Lower Upper
106 100
91 213.5 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

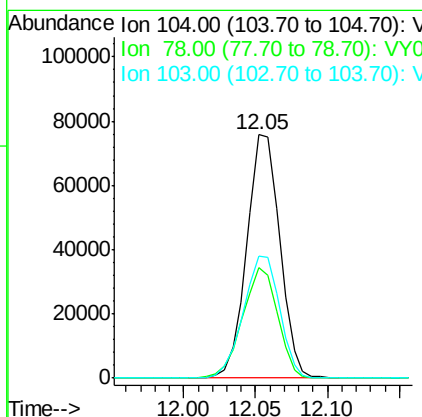
Manual Integrations
APPROVED

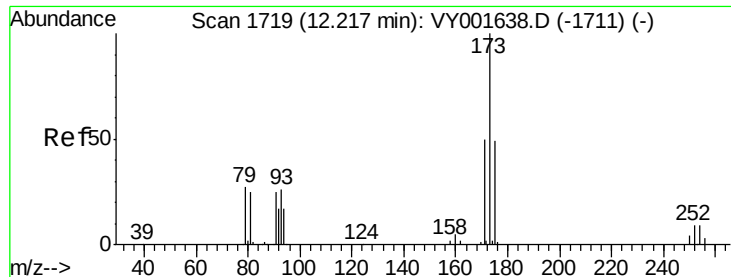
MMDadoda
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#70
Styrene
Concen: 19.486 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion:104 Resp: 120197
Ion Ratio Lower Upper
104 100
78 48.4 39.2 58.8
103 54.9 43.0 64.6





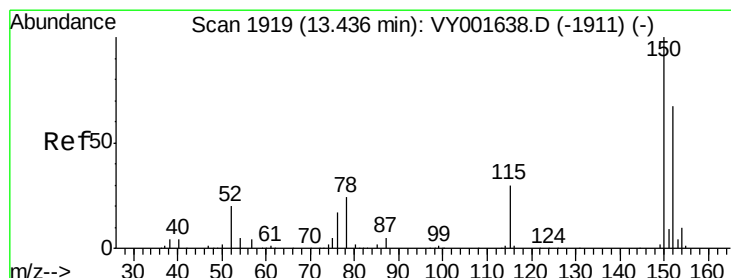
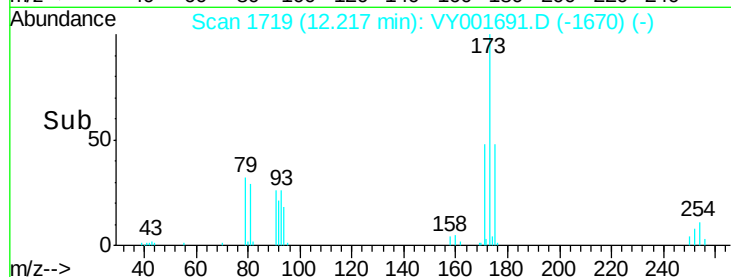
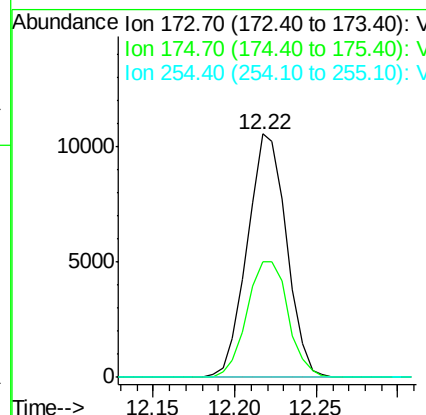
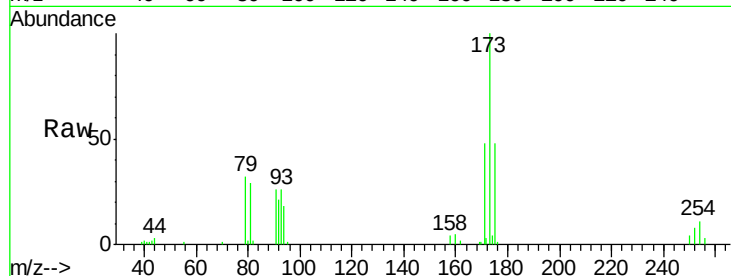
#71
Bromoform
Concen: 17.002 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1#

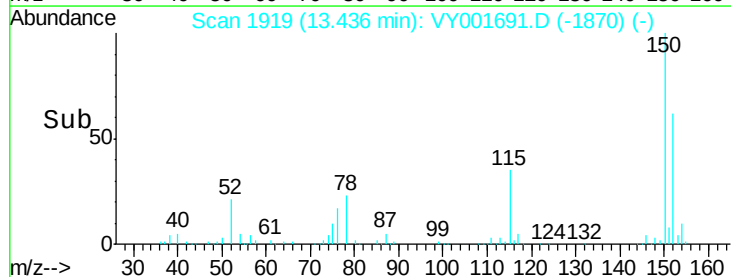
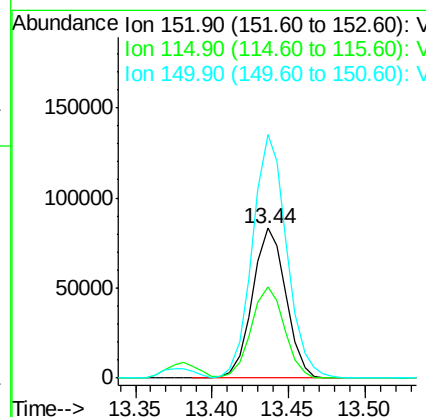
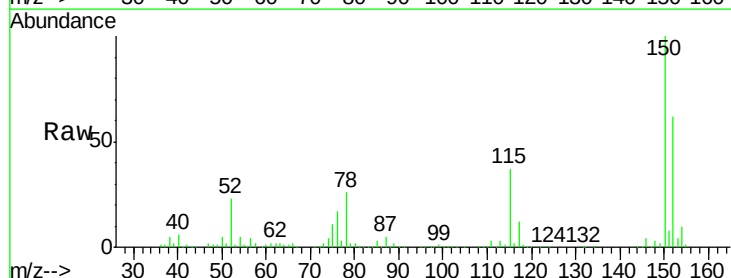
Manual Integrations
APPROVED

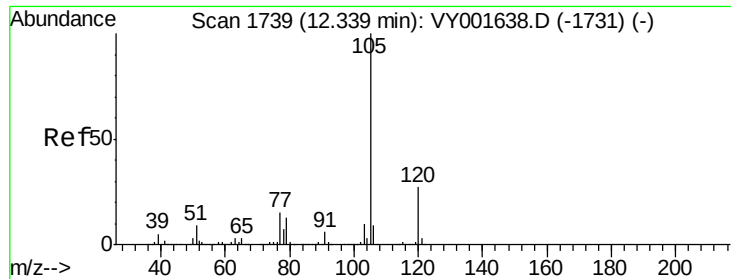
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	31.4	94.2
150	166.5	0.0	407.2





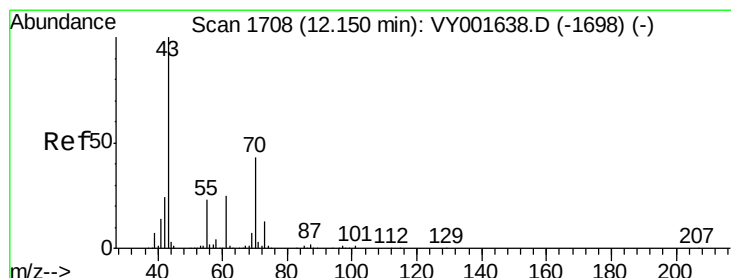
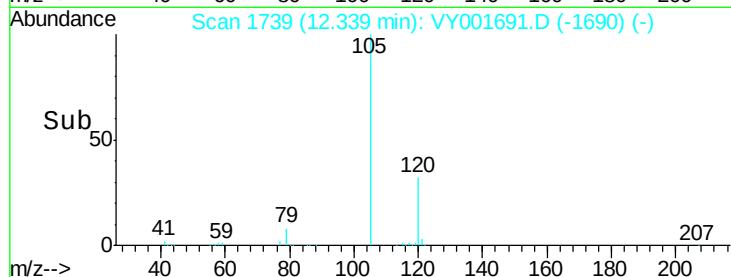
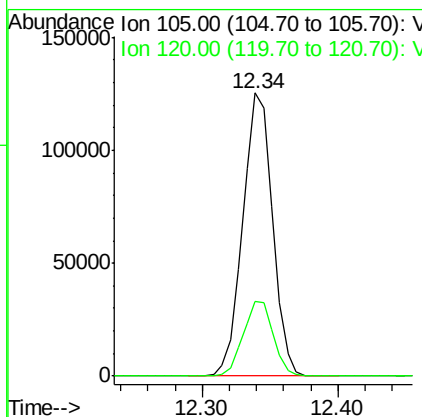
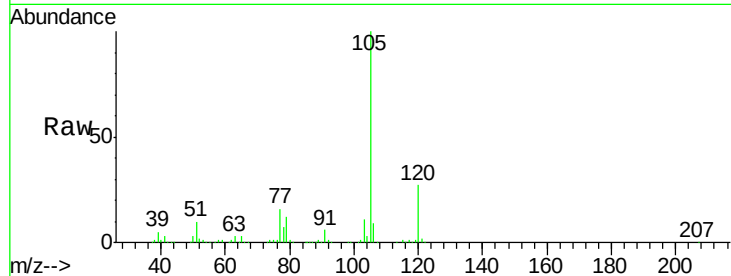
#73
Isopropylbenzene
Concen: 19.974 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

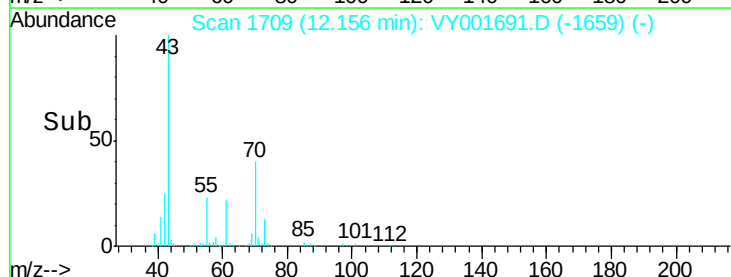
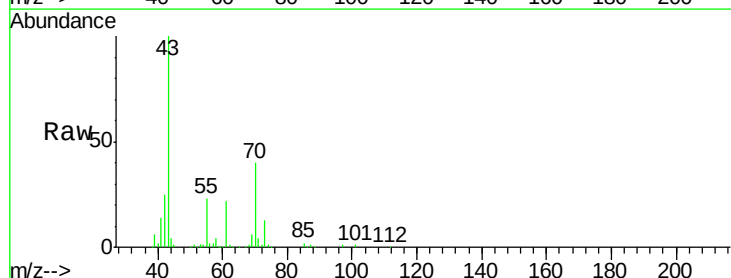
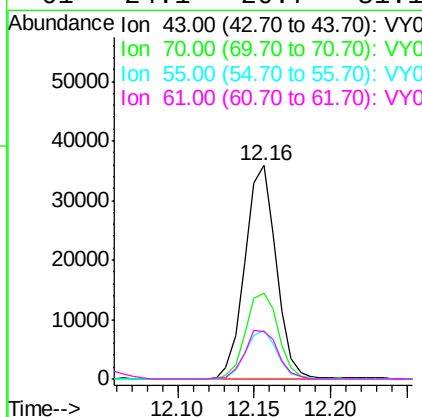
Manual Integrations
APPROVED

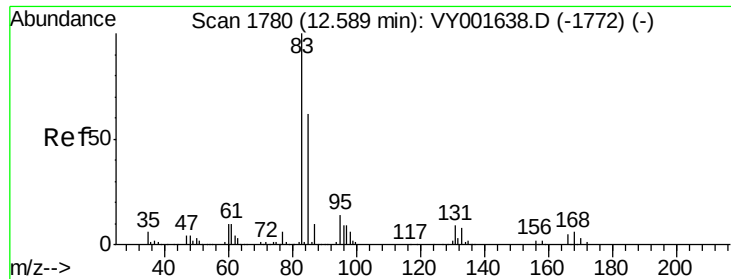
MMDadoda
2/20/2020 5:56:01 PM



#74
N-ethyl acetate
Concen: 16.620 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	35.9	53.9
55	23.1	18.3	27.5
61	24.1	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.578 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

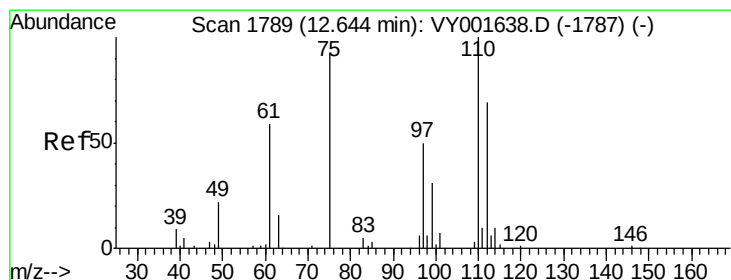
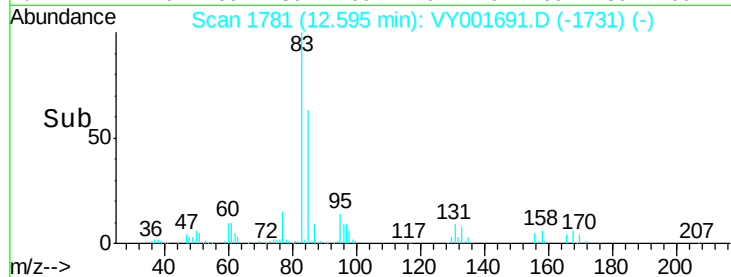
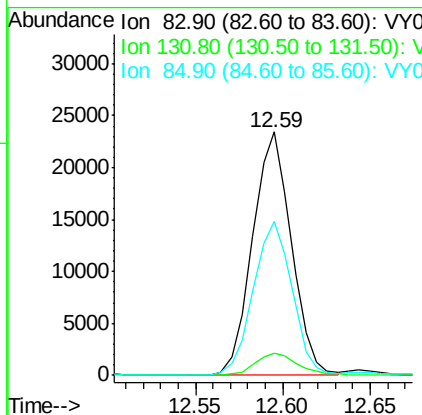
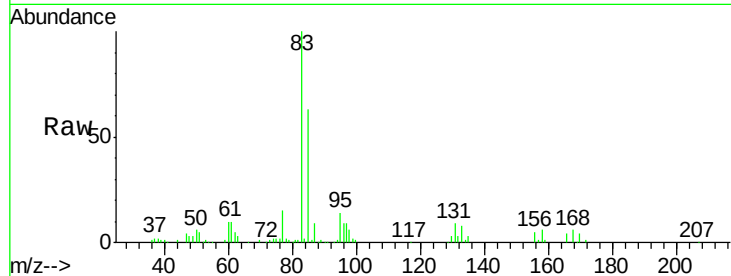
ClientSampleId :

VY0219SBS01

Tot Ion:	83	Resp:	36121
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.7	14.1
85	63.2	31.6	94.7

Manual Integrations
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2/20/2020 5:56:01 PM



#76

1,2,3-Trichloropropane

Concen: 17.216 ug/l m

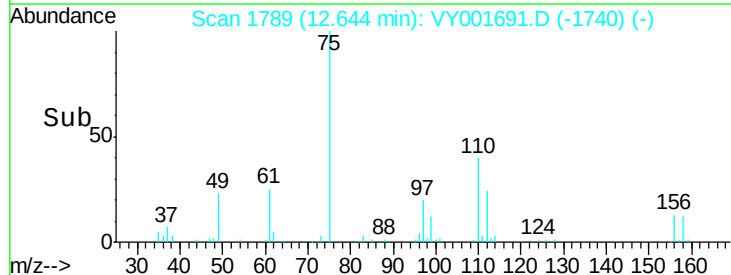
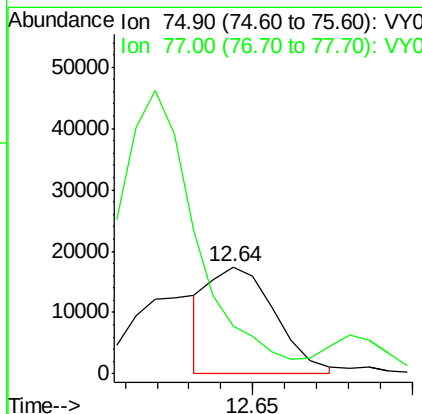
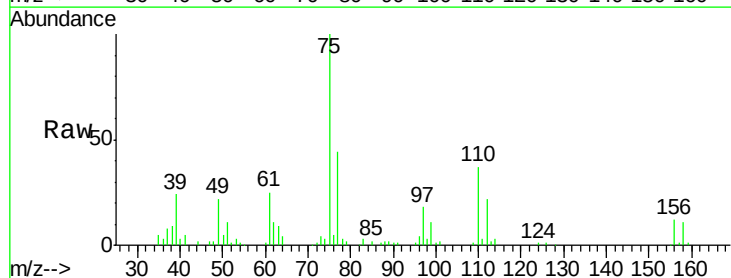
RT: 12.64 min Scan# 1789

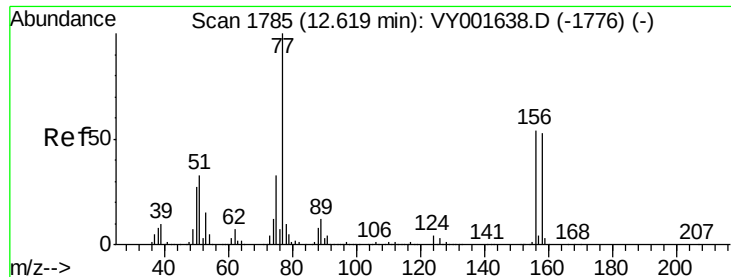
Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	75	Resp:	24948
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





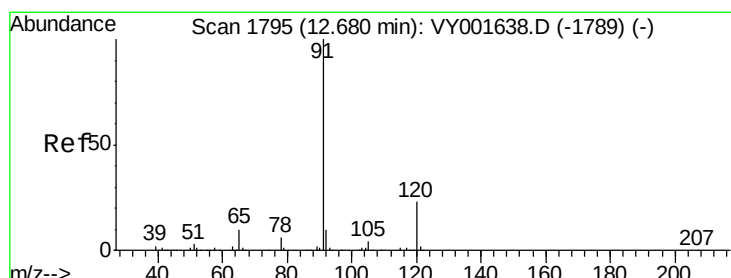
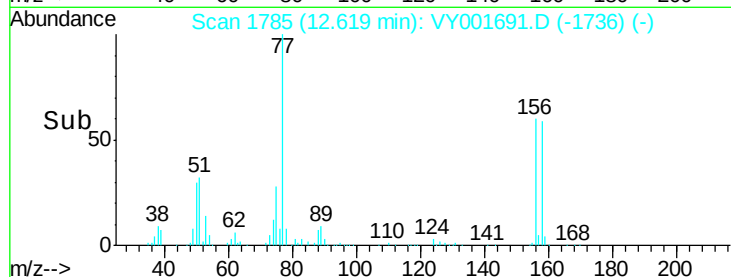
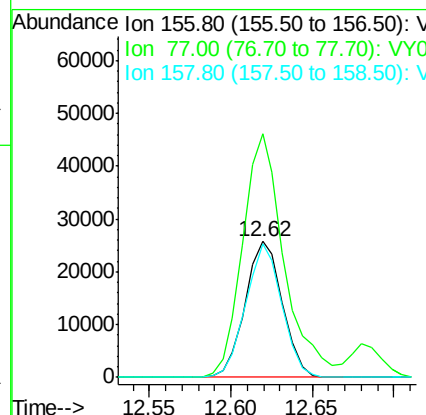
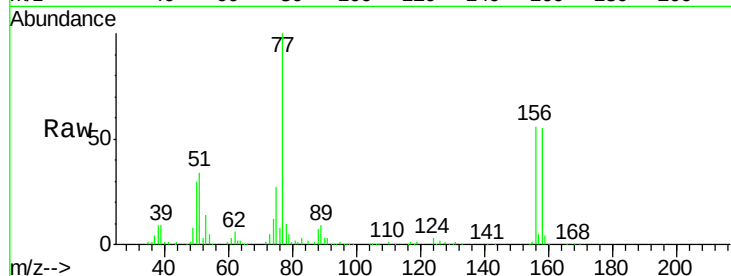
#77
Bromobenzene
Concen: 19.586 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.7	110.1	330.1
158	95.3	47.9	143.7

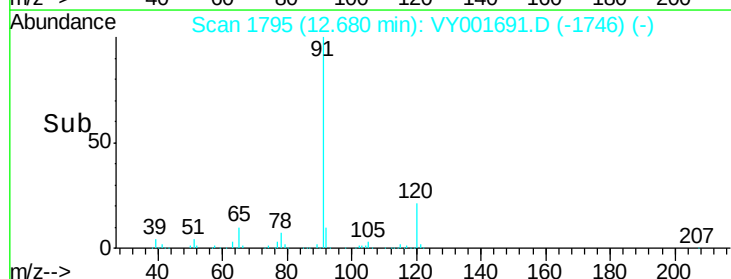
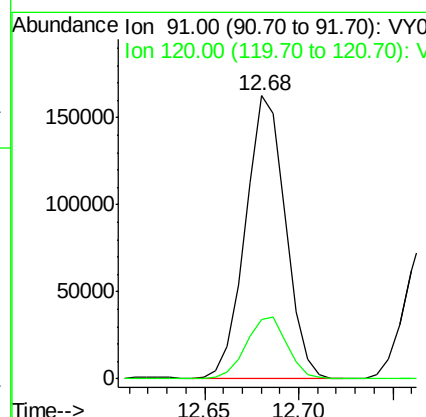
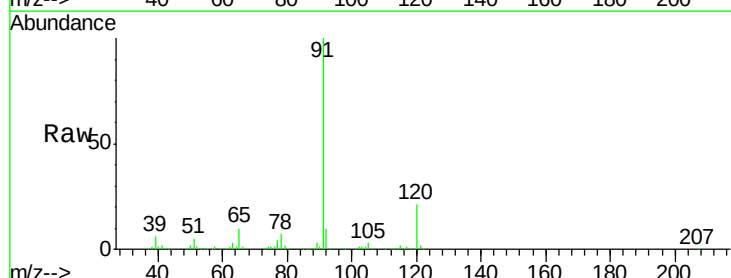
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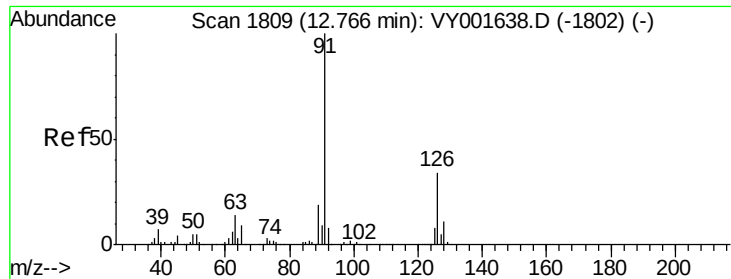
MMDadoda
2/20/2020 5:56:01 PM



#78
n-propylbenzene
Concen: 20.323 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.748 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion: 91 Resp: 129822

Ion Ratio Lower Upper

91 100

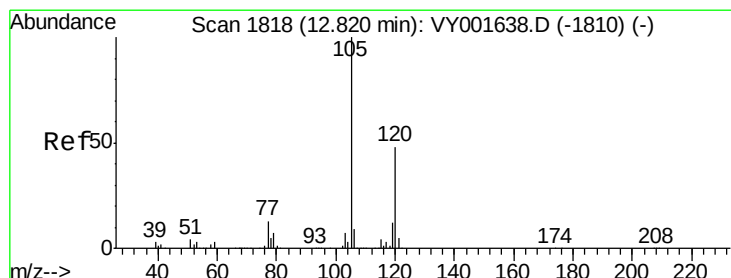
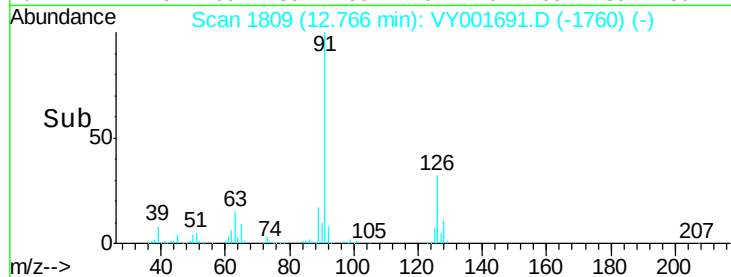
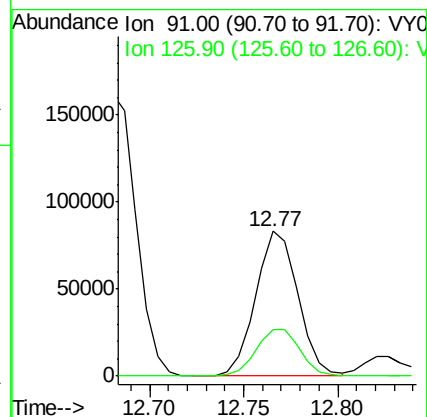
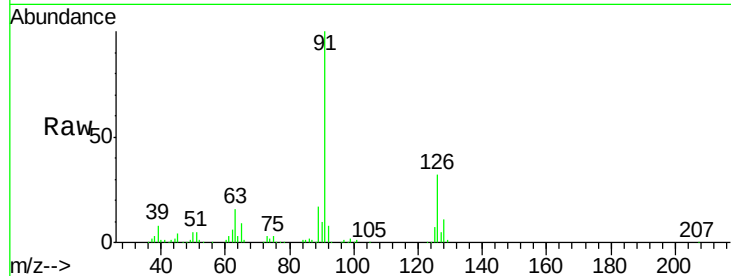
126 33.6 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.214 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001691.D

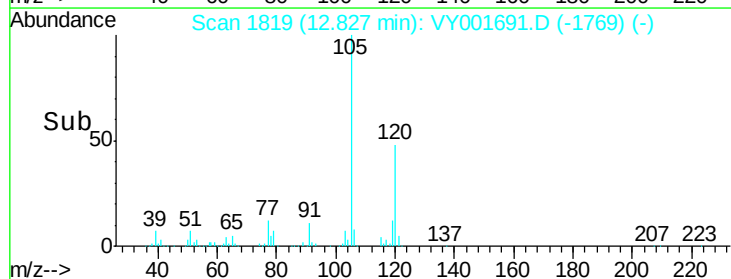
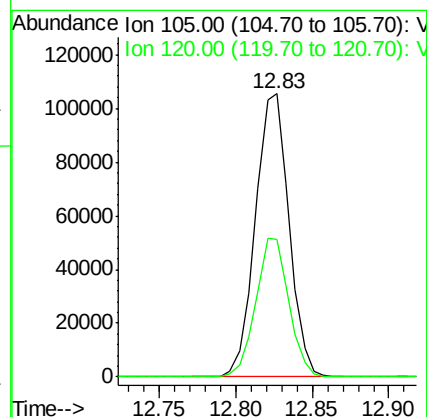
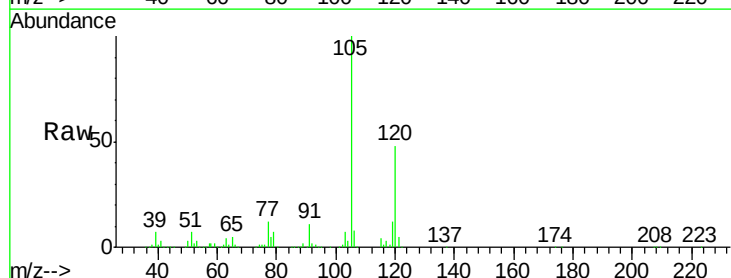
Acq: 19 Feb 2020 11:19

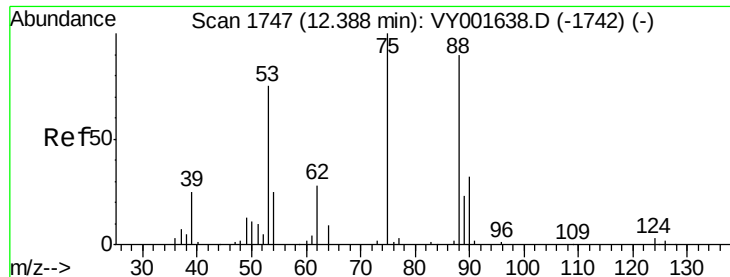
Tgt Ion: 105 Resp: 161031

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.840 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

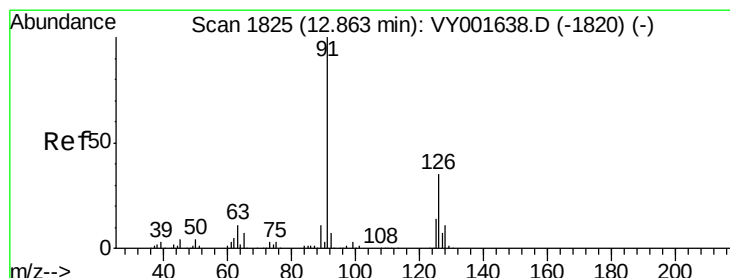
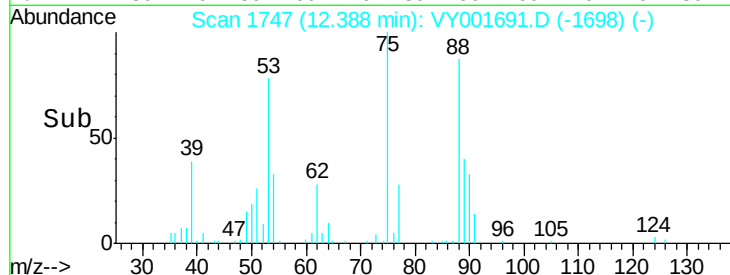
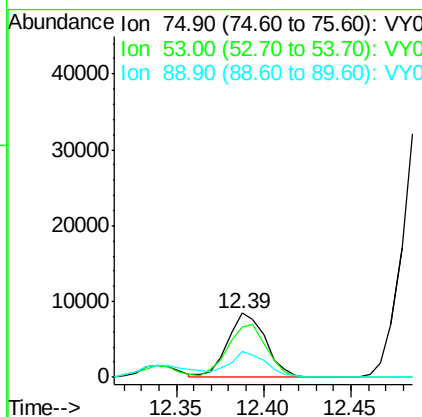
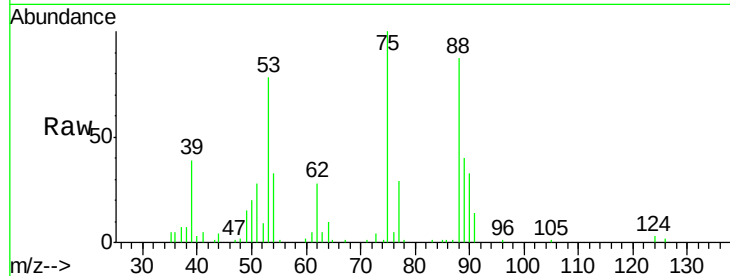
ClientSampleId :

VY0219SBS01

Tot Ion:	75	Resp:	12863
Ion	Ratio	Lower	Upper
75	100		
53	84.0	64.5	96.7
89	37.4	36.3	54.5

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#82

4-Chlorotoluene

Concen: 19.708 ug/l

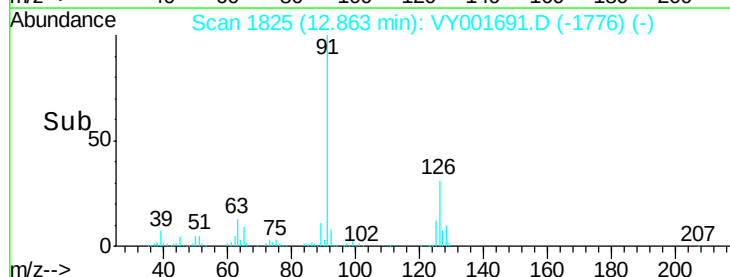
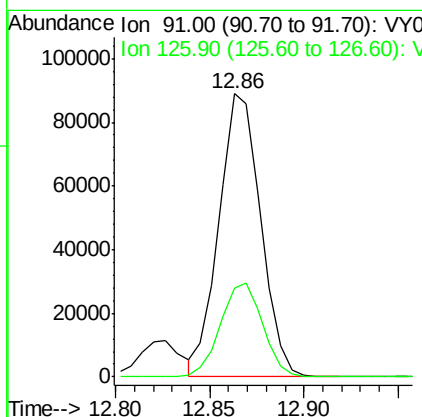
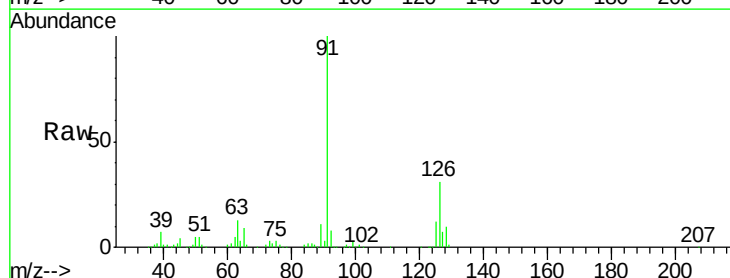
RT: 12.86 min Scan# 1825

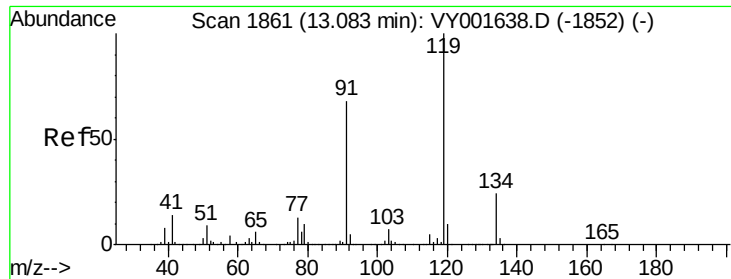
Delta R.T. 0.00 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	91	Resp:	136643
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





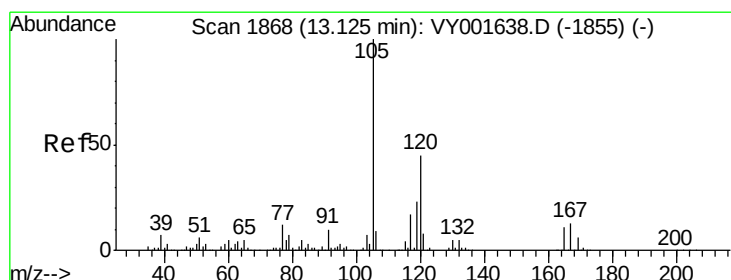
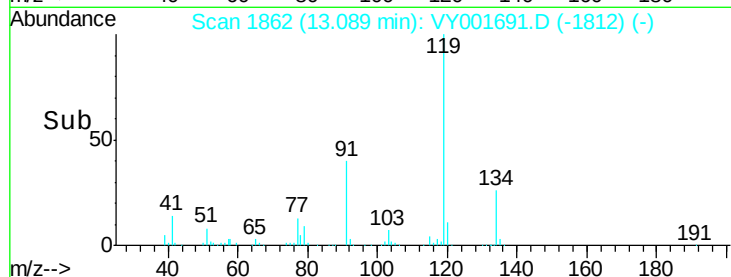
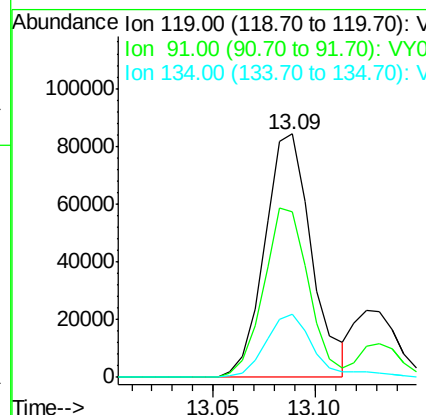
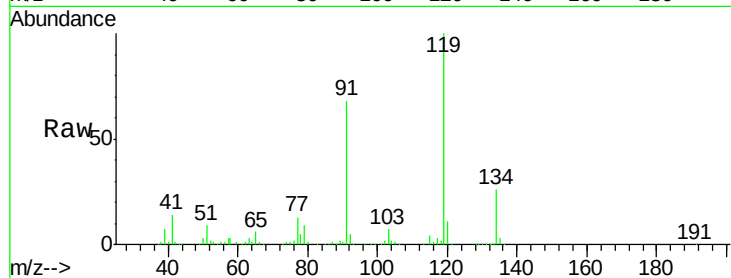
#83
tert-Butylbenzene
Concen: 20.362 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135668		
91	66.6	33.5	100.5	
134	27.0	13.3	39.8	

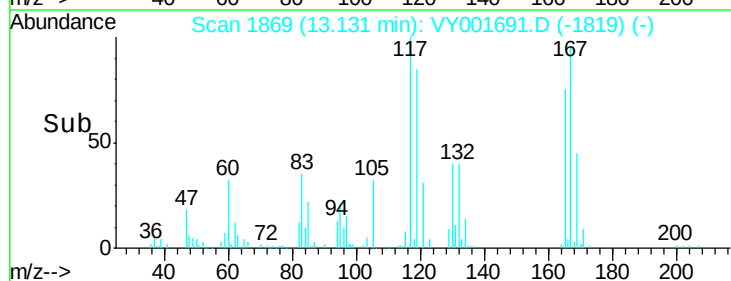
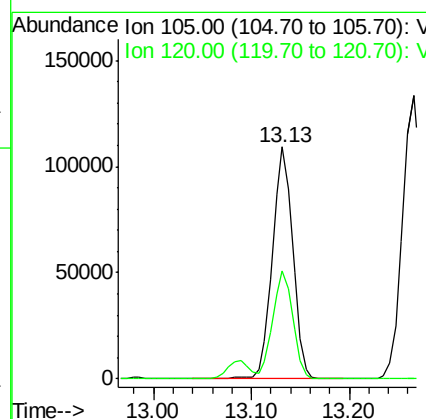
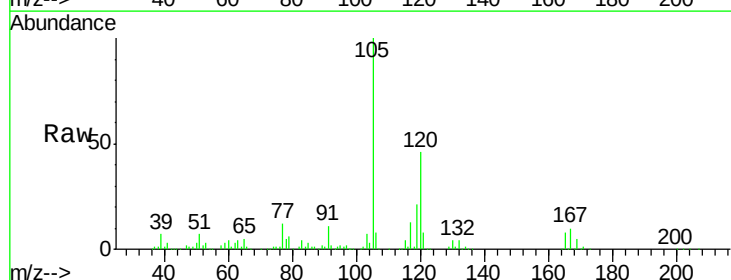
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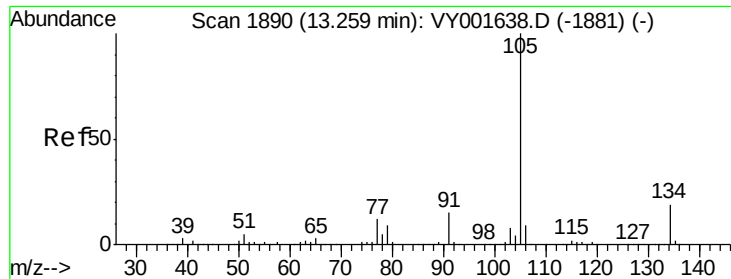
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#84
1,2,4-Trimethylbenzene
Concen: 19.972 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158619		
120	45.4	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.969 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_Y

ClientSampleId :

VY0219SBS01

Tot Ion:105 Resp: 195686

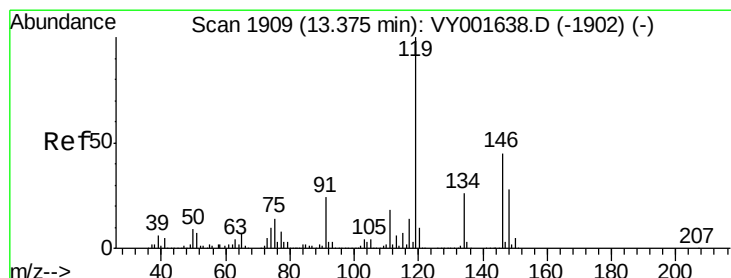
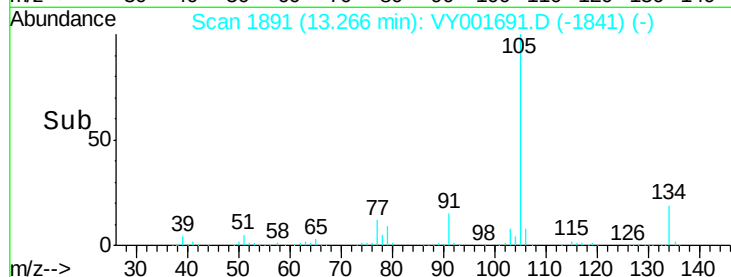
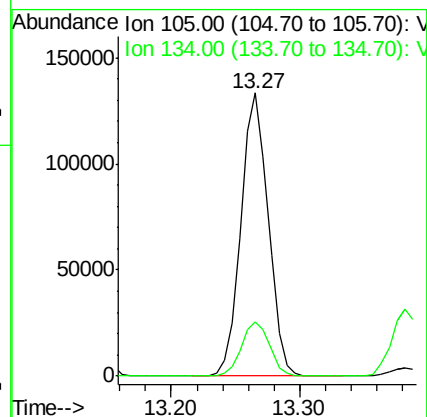
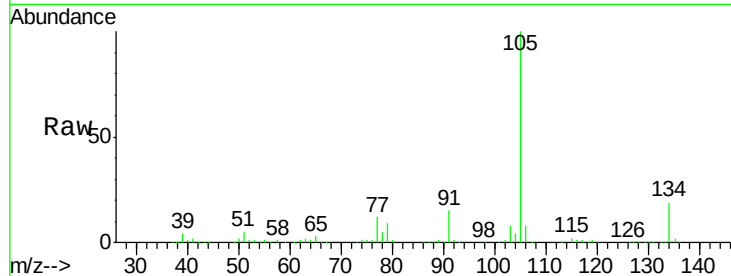
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 20.225 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001691.D

Acq: 19 Feb 2020 11:19

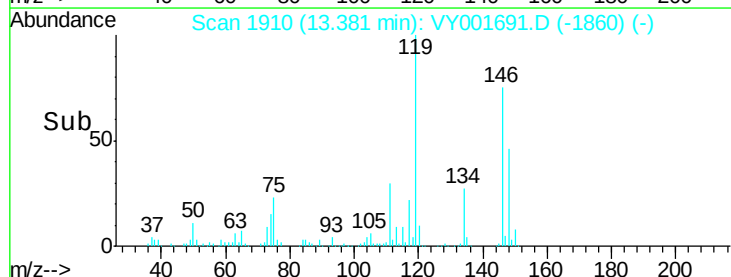
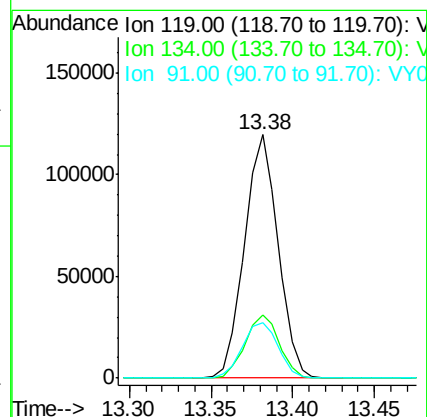
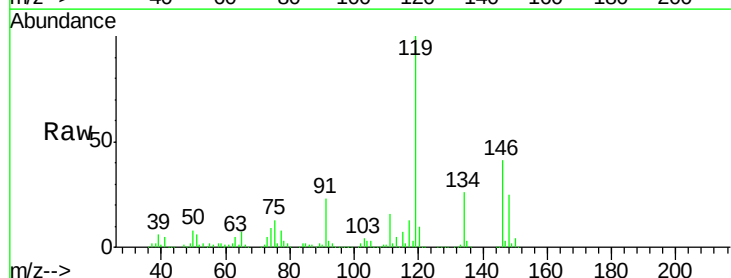
Tgt Ion:119 Resp: 172172

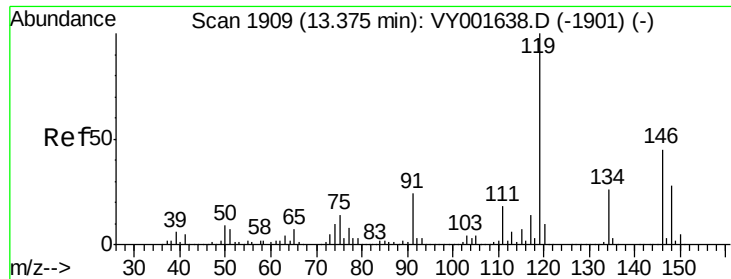
Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

91 24.3 12.2 36.6





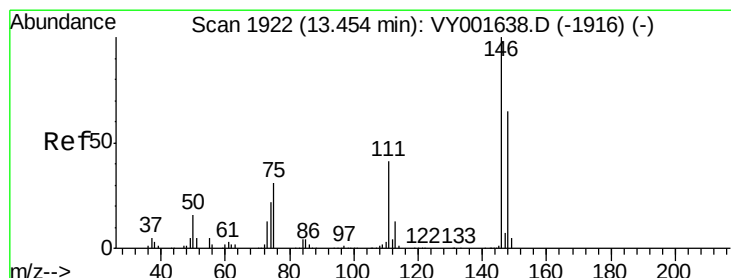
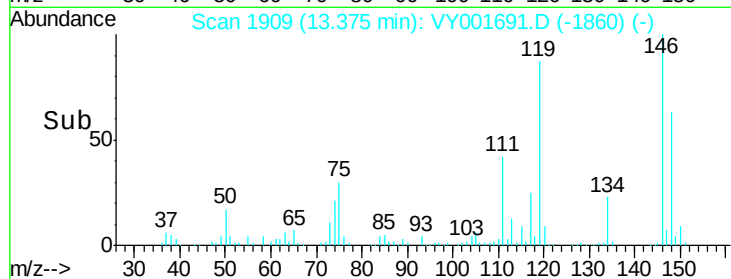
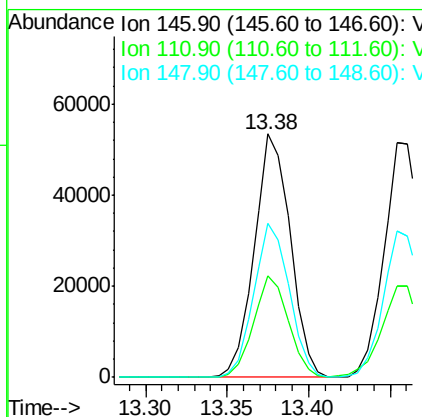
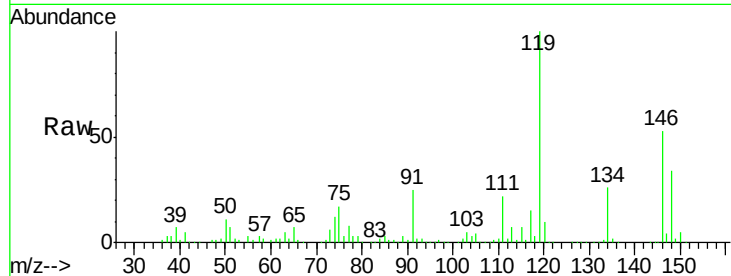
#87
 1,3-Dichlorobenzene
 Concen: 20.243 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.3
148	62.5	31.6	94.7

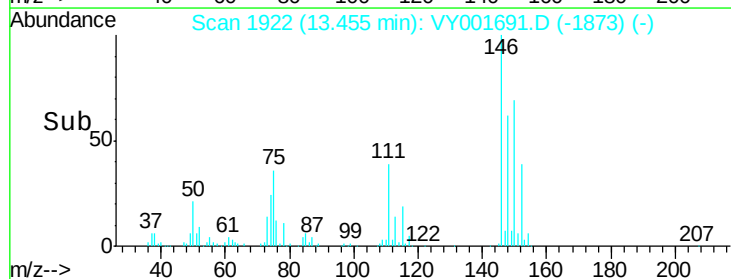
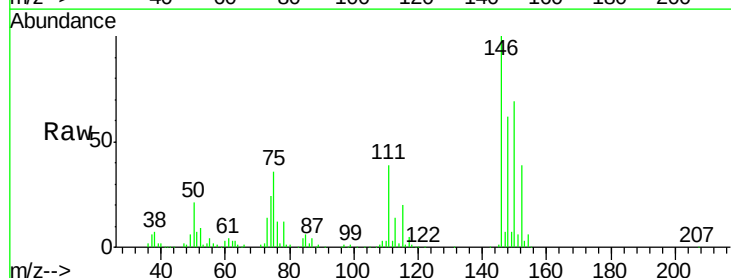
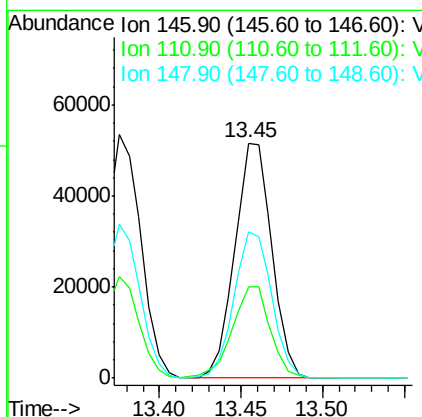
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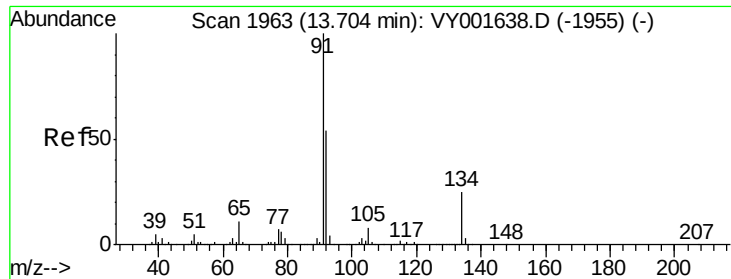
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#88
 1,4-Dichlorobenzene
 Concen: 19.882 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.3	31.6	94.7





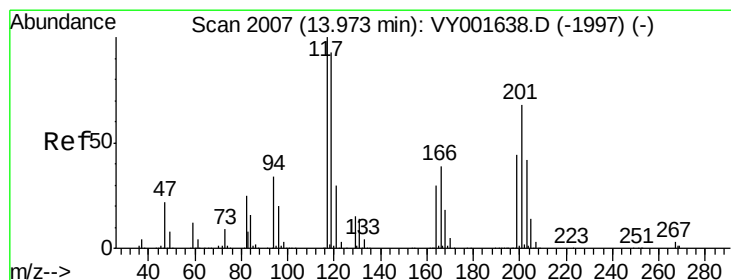
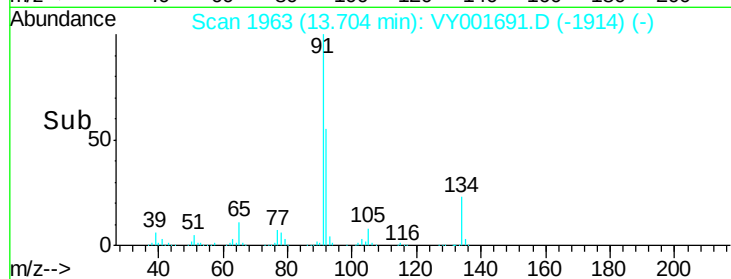
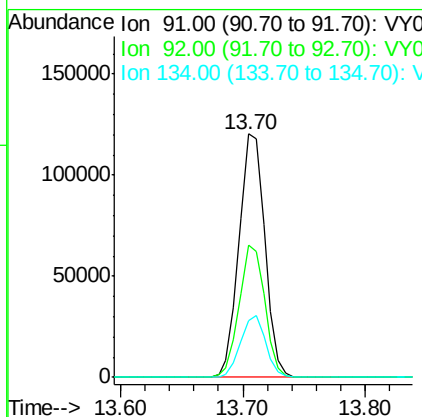
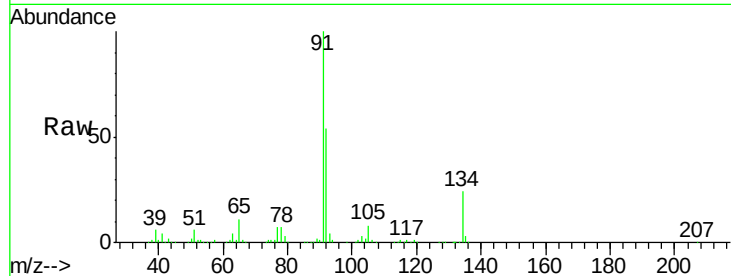
#89
n-Butylbenzene
Concen: 20.212 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	175816		
92	53.8		27.5	82.4
134	24.7		12.4	37.4

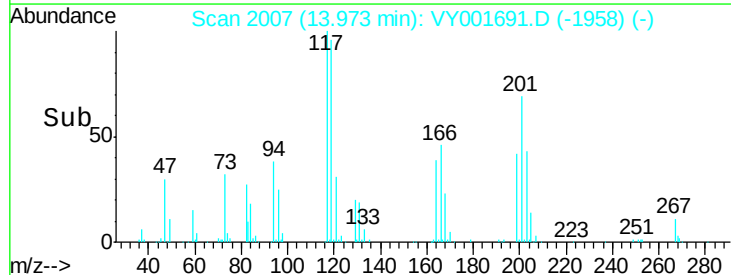
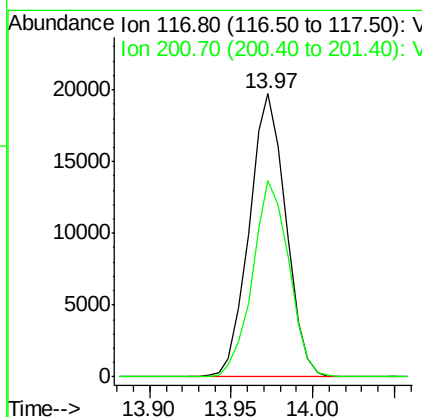
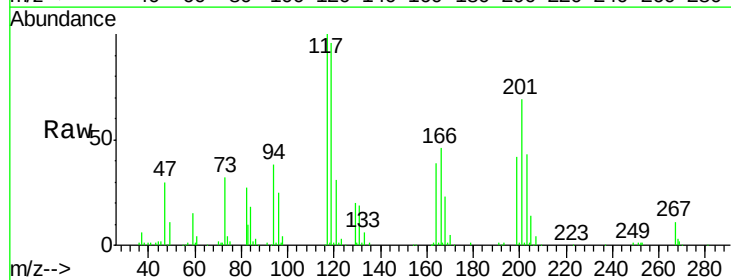
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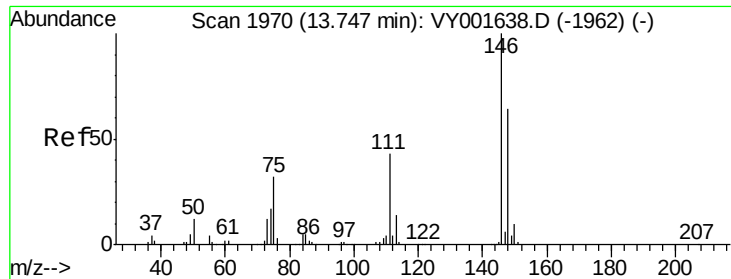
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#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30816		
201	69.3		32.5	97.4





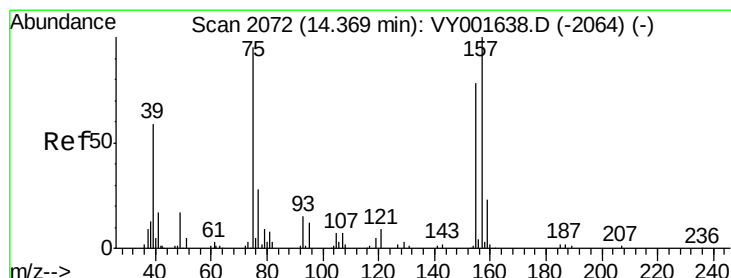
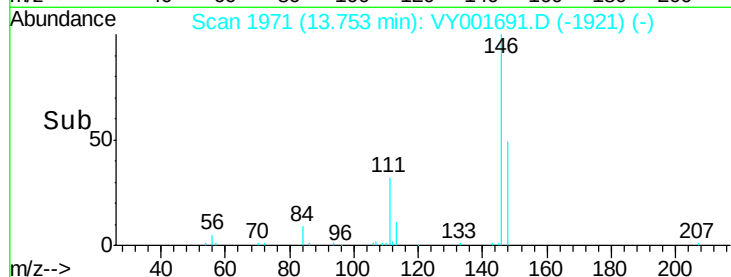
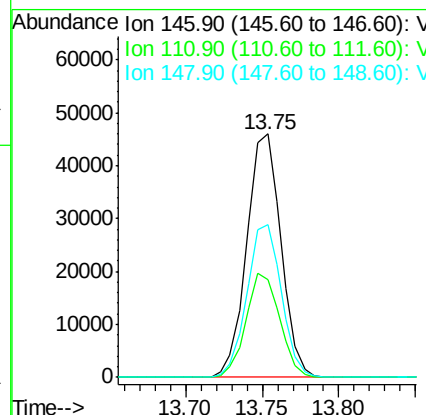
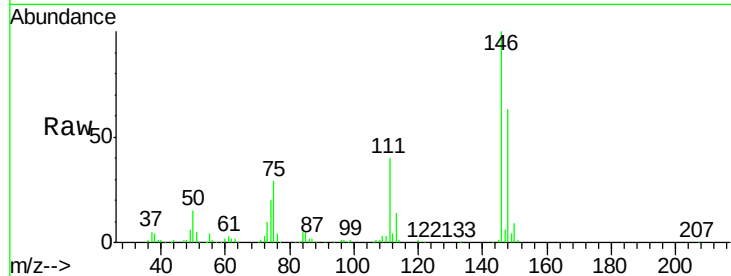
#91
 1,2-Dichlorobenzene
 Concen: 19.179 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.7
148	63.0	31.5	94.5

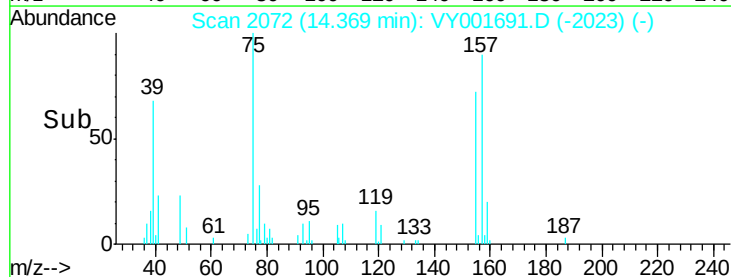
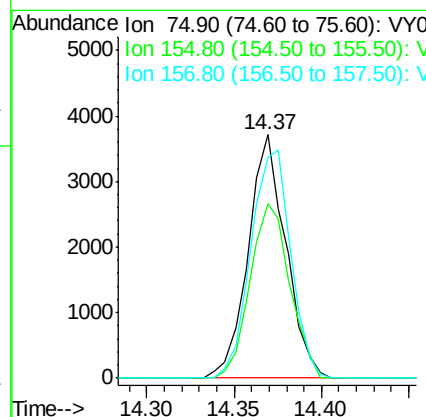
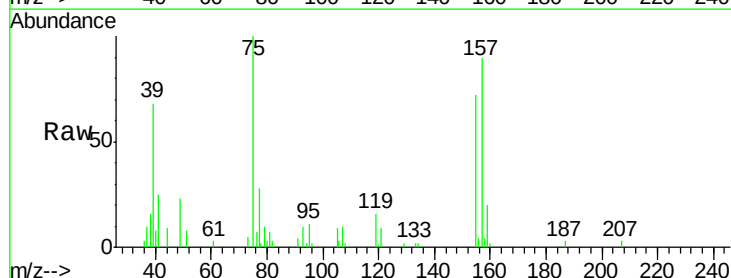
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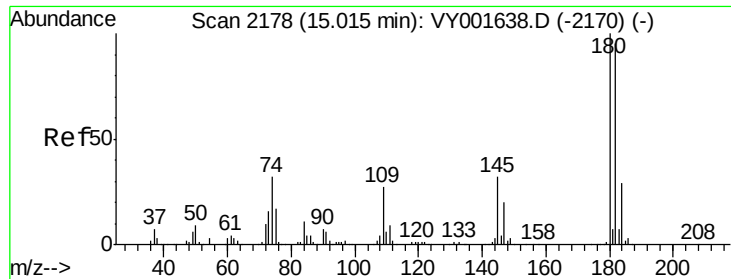
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 2/20/2020 5:56:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.395 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001691.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	40.8	122.4
157	99.9	52.1	156.4





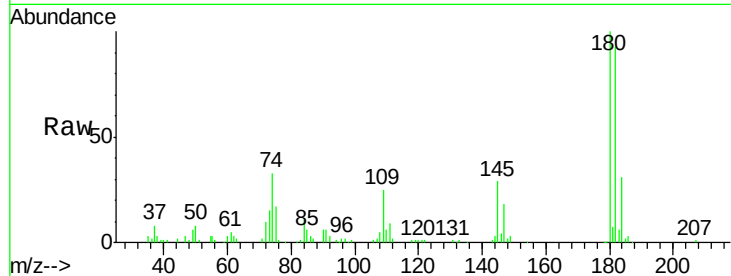
#93
1,2,4-Trichlorobenzene
Concen: 18.614 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

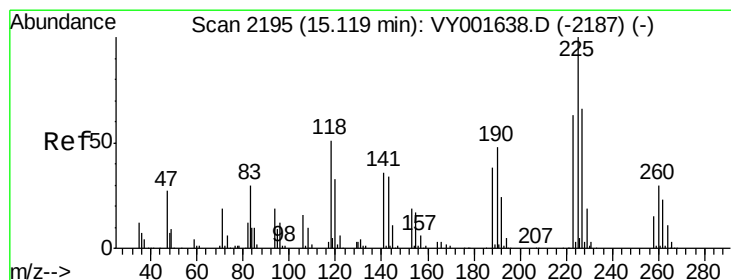
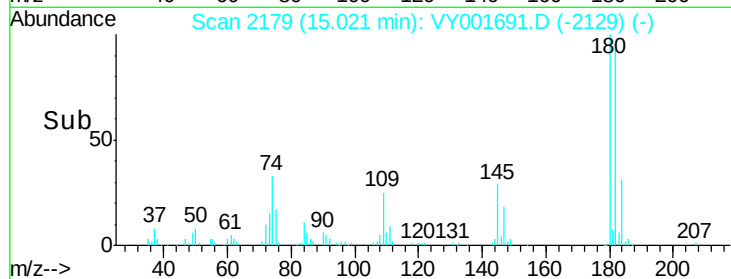
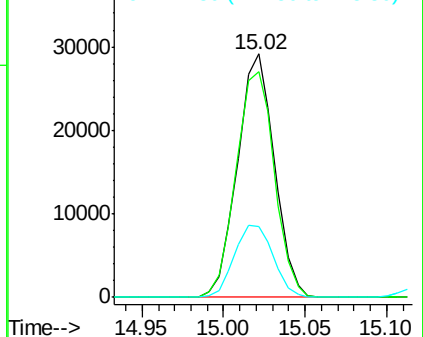
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.8	140.3
145	31.2	16.2	48.5

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MMDadoda
2/20/2020 5:56:01 PM

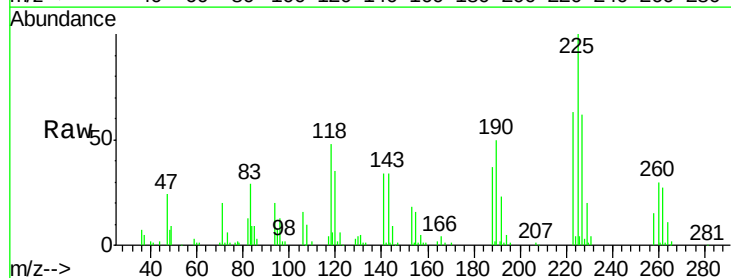


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

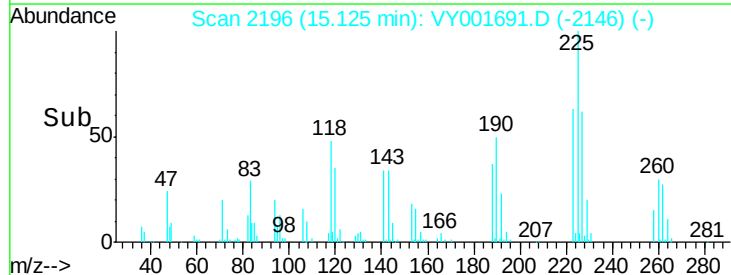
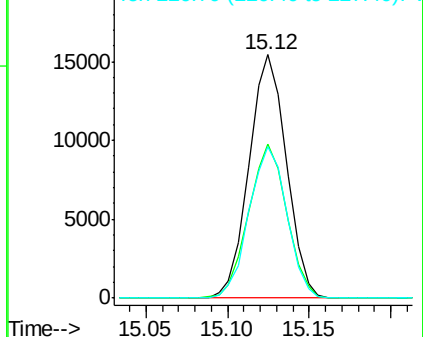


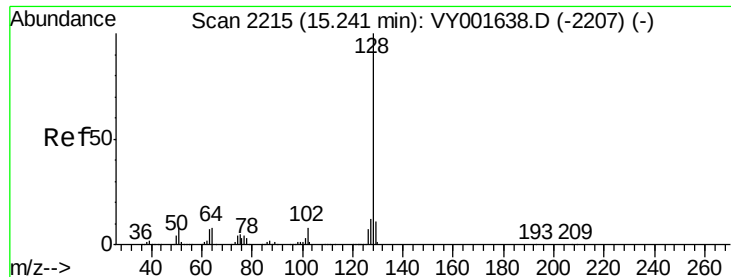
#94
Hexachlorobutadiene
Concen: 20.041 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.4	94.0
227	62.5	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





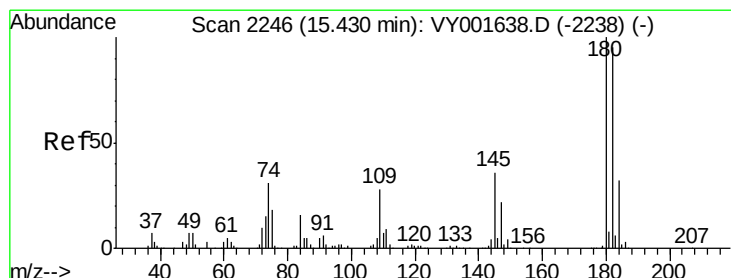
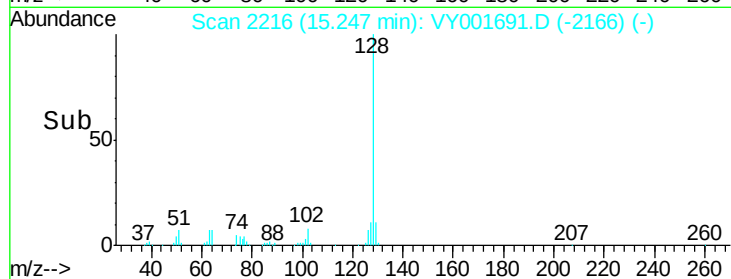
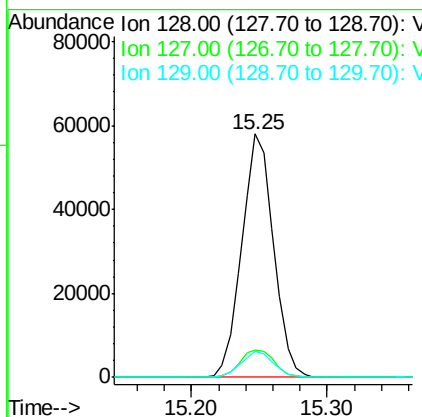
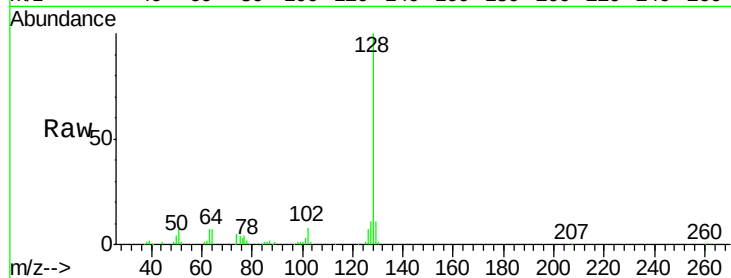
#95
Naphthalene
Concen: 16.574 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_Y
ClientSampleId :
VY0219SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.9	14.9
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/20/2020 5:56:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.759 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001691.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.2	141.6
145	32.9	17.3	52.0

