

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002014.D
 Acq On : 19 Mar 2020 12:31
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:13 PM

Quant Time: Mar 20 02:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	87737	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.74	113	81593	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.19	98	334589	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	118455	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26787	18.795	ug/l	99
3) Chloromethane	2.13	50	38378	19.973	ug/l	96
4) Vinyl Chloride	2.27	62	39546	20.234	ug/l	99
5) Bromomethane	2.66	94	26951	20.111	ug/l	98
6) Chloroethane	2.80	64	25977	21.158	ug/l	98
7) Trichlorofluoromethane	3.15	101	53353	20.128	ug/l	95
8) Diethyl Ether	3.55	74	22575	21.609	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35931	21.076	ug/l	98
10) Methyl Iodide	4.11	142	38365	19.459	ug/l	100
11) Tert butyl alcohol	4.98	59	32352	182.515	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	35368	20.603	ug/l	97
13) Acrolein	3.75	56	18568	80.165	ug/l	92
14) Allyl chloride	4.51	41	64811	21.297	ug/l	99
15) Acrylonitrile	5.20	53	61472	110.116	ug/l	99
16) Acetone	3.97	43	51002	106.237	ug/l	94
17) Carbon Disulfide	4.22	76	109785	19.025	ug/l	97
18) Methyl Acetate	4.51	43	27878	22.600	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102656	22.068	ug/l	95
20) Methylene Chloride	4.75	84	45555	22.141	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	40226	20.646	ug/l	96
22) Diisopropyl ether	6.15	45	138008	22.124	ug/l	96
23) Vinyl Acetate	6.09	43	444027	108.578	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72025	21.321	ug/l	98
25) 2-Butanone	7.02	43	80048	109.645	ug/l	97
26) 2,2-Dichloropropane	7.01	77	61866	22.313	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	45765	21.593	ug/l	99
28) Bromochloromethane	7.36	49	32860	21.581	ug/l	99
29) Tetrahydrofuran	7.37	42	51397	106.014	ug/l	99
30) Chloroform	7.53	83	68445	21.566	ug/l	99
31) Cyclohexane	7.81	56	72666	20.062	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	56319	21.054	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57341	21.338	ug/l	98
37) Ethyl Acetate	7.10	43	36431	23.325	ug/l	98
38) Carbon Tetrachloride	7.92	117	48690	21.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73007	20.483	ug/l	97
40) Benzene	8.18	78	170547	21.412	ug/l	99
41) Methacrylonitrile	7.34	41	16351m	23.262	ug/l	
42) 1,2-Dichloroethane	8.26	62	45267	22.055	ug/l	99
43) Isopropyl Acetate	8.30	43	65363	22.104	ug/l	99
44) Trichloroethene	8.96	130	41405	21.344	ug/l	97
45) 1,2-Dichloropropane	9.24	63	44446	22.197	ug/l	99
46) Dibromomethane	9.33	93	22387	21.696	ug/l	99
47) Bromodichloromethane	9.52	83	52660	21.939	ug/l	99
48) Methyl methacrylate	9.31	41	28937	22.054	ug/l	99
49) 1,4-Dioxane	9.32	88	5799	410.151	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	176705	116.017	ug/l	100
52) Toluene	10.26	92	104422	21.581	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	57746	22.082	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	66979	21.515	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33111	21.927	ug/l	99
56) Ethyl methacrylate	10.52	69	47856	21.621	ug/l	97
57) 1,3-Dichloropropane	10.80	76	58796	21.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	121383	143.134	ug/l	100
59) 2-Hexanone	10.85	43	119109	109.565	ug/l	100
60) Dibromochloromethane	11.00	129	35538	22.334	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30671	21.442	ug/l	99
64) Tetrachloroethene	10.74	164	33323	21.081	ug/l	95
65) Chlorobenzene	11.53	112	108012	21.506	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	36661	22.259	ug/l	99
67) Ethyl Benzene	11.61	91	200598	21.416	ug/l	96
68) m/p-Xylenes	11.72	106	146533	42.315	ug/l	99
69) o-Xylene	12.04	106	69865	21.405	ug/l	99
70) Styrene	12.06	104	121576	21.748	ug/l	100
71) Bromoform	12.22	173	19617	21.963	ug/l #	99
73) Isopropylbenzene	12.34	105	188304	20.720	ug/l	98
74) N-amyl acetate	12.16	43	59052	21.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41439	21.144	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	29677m	21.008	ug/l	
77) Bromobenzene	12.62	156	41175	21.384	ug/l	98
78) n-propylbenzene	12.68	91	236764	21.117	ug/l	99
79) 2-Chlorotoluene	12.77	91	128764	20.787	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	158718	21.214	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14557	20.815	ug/l	97
82) 4-Chlorotoluene	12.87	91	136336	21.138	ug/l	100
83) tert-Butylbenzene	13.09	119	135152	21.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	158616	21.362	ug/l	100
85) sec-Butylbenzene	13.27	105	196395	21.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	171859	21.750	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	82903	21.971	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	81112	21.190	ug/l	99
89) n-Butylbenzene	13.71	91	173450	21.159	ug/l	99
90) Hexachloroethane	13.97	117	31689	21.259	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	73818	21.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6244	20.417	ug/l	97

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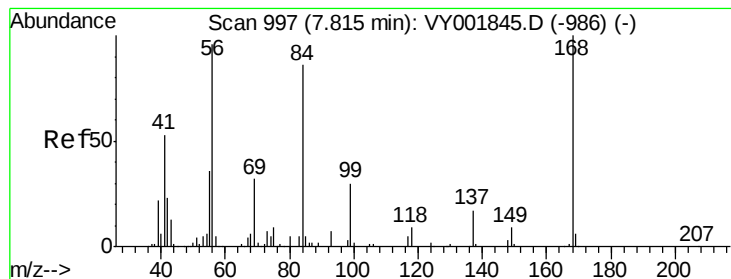
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48077	21.627	ug/l	98
94) Hexachlorobutadiene	15.12	225	23083	21.298	ug/l	99
95) Naphthalene	15.25	128	111031	21.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42692	21.800	ug/l	98

(#) = 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: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion:168 Resp: 154396

Ion Ratio Lower Upper

168 100

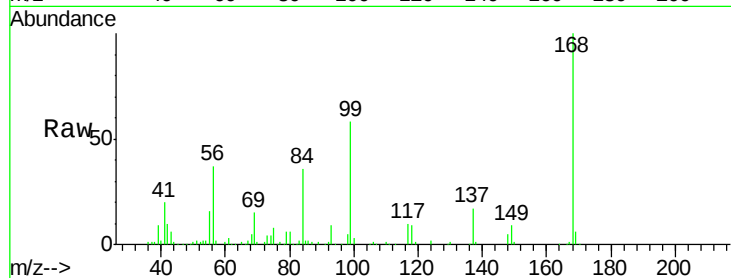
99 58.4 46.7 70.1

Manual Integrations

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3/20/2020 12:06:13 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002014.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY002014.D (-948) (-)

7.82

60000

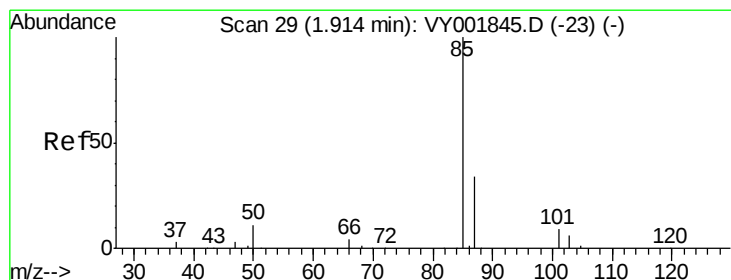
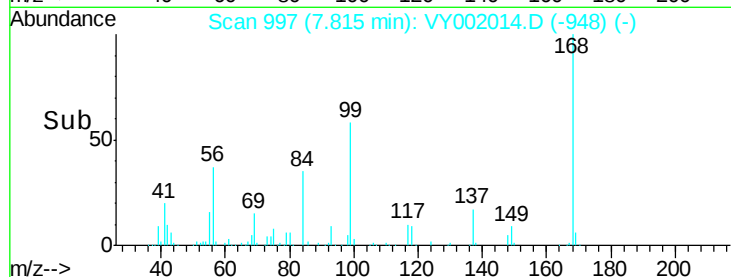
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.795 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002014.D

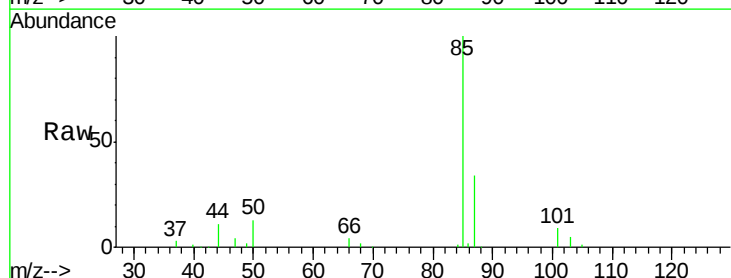
Acq: 19 Mar 2020 12:31

Tgt Ion: 85 Resp: 26787

Ion Ratio Lower Upper

85 100

87 34.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY002014.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002014.D (-1) (-)

1.91

20000

15000

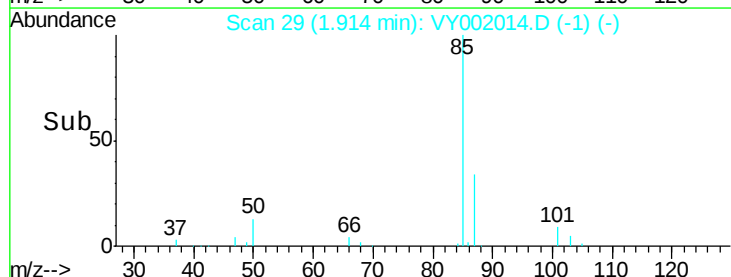
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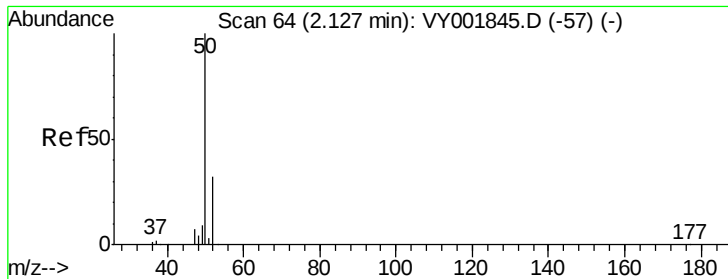
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.973 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 50 Resp: 38378

Ion Ratio Lower Upper

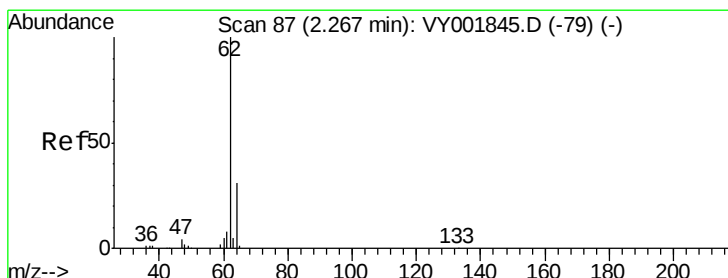
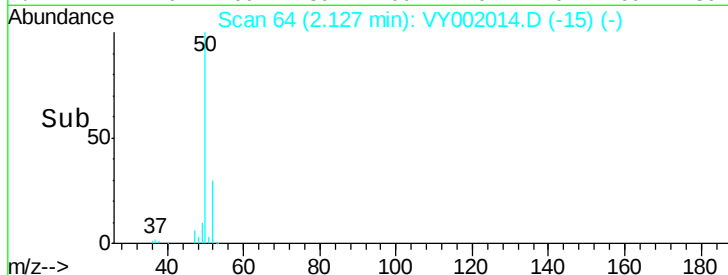
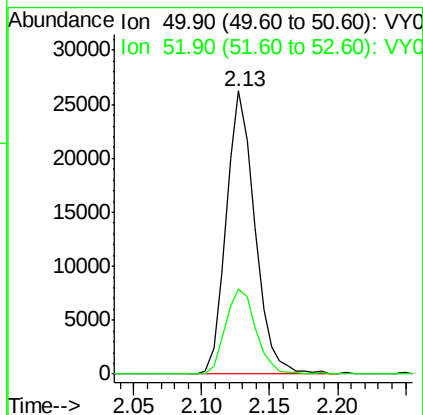
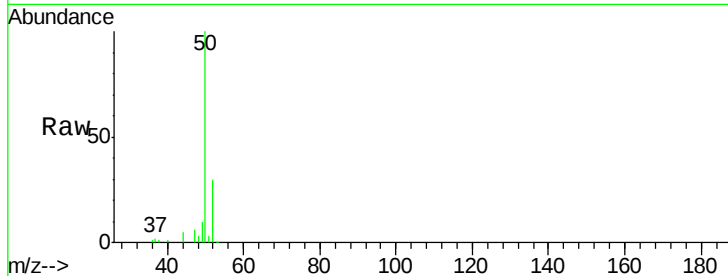
50 100

52 30.1 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.234 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002014.D

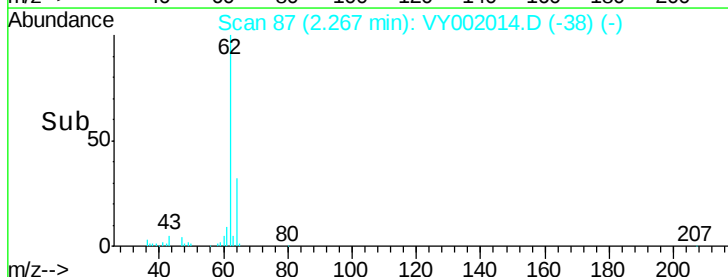
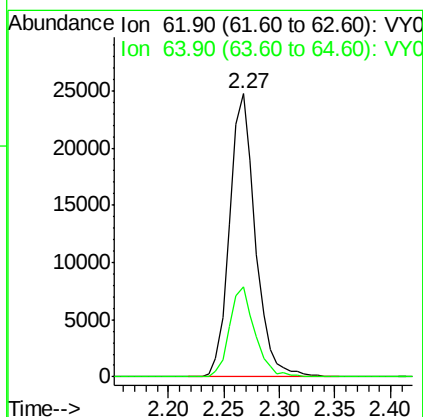
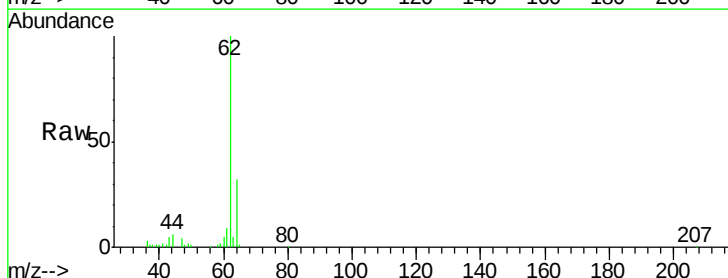
Acq: 19 Mar 2020 12:31

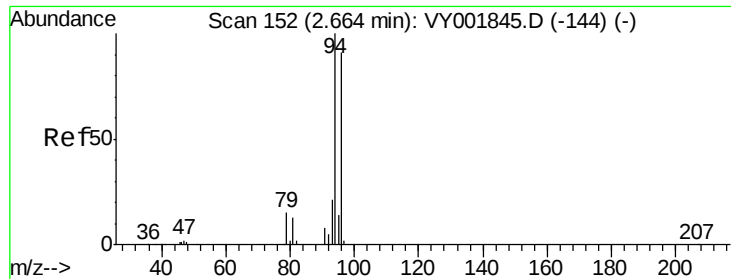
Tgt Ion: 62 Resp: 39546

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 20.111 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 94 Resp: 26951

Ion Ratio Lower Upper

94 100

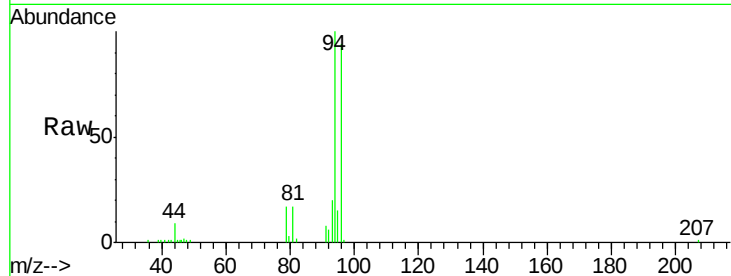
96 93.6 73.2 109.8

Manual Integrations

APPROVED

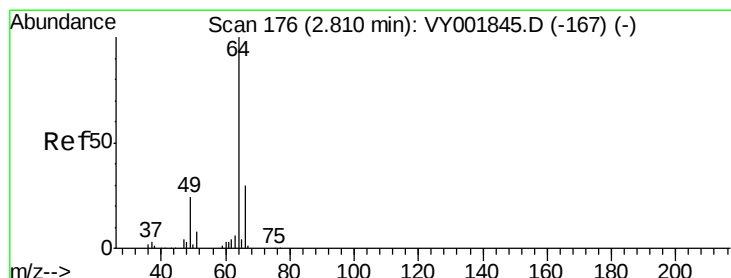
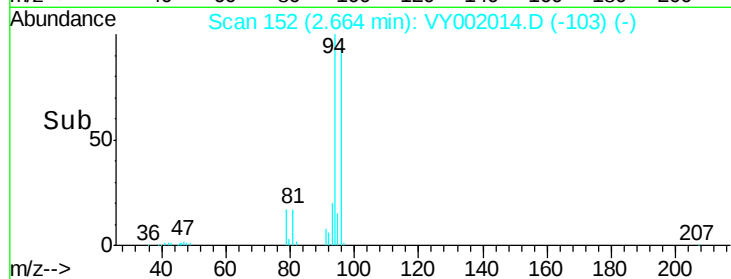
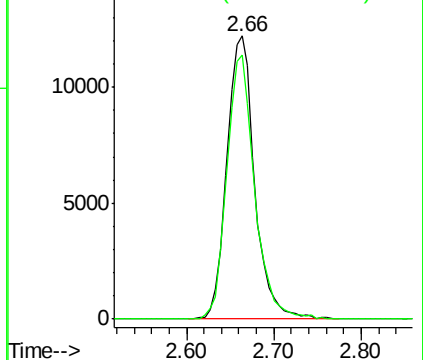
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.158 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002014.D

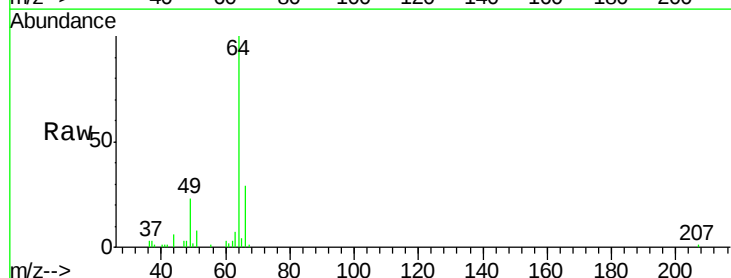
Acq: 19 Mar 2020 12:31

Tgt Ion: 64 Resp: 25977

Ion Ratio Lower Upper

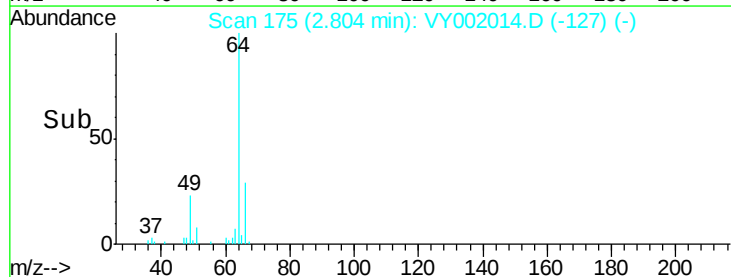
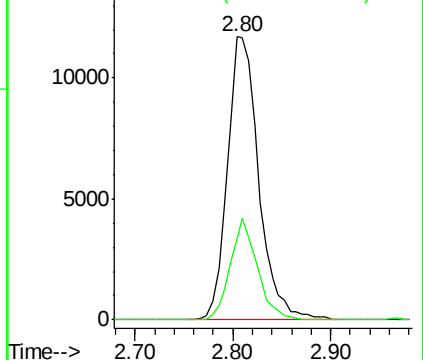
64 100

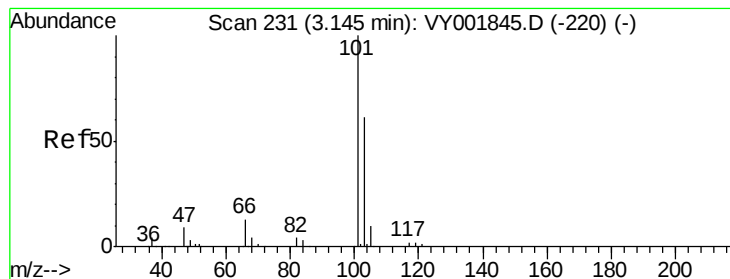
66 28.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

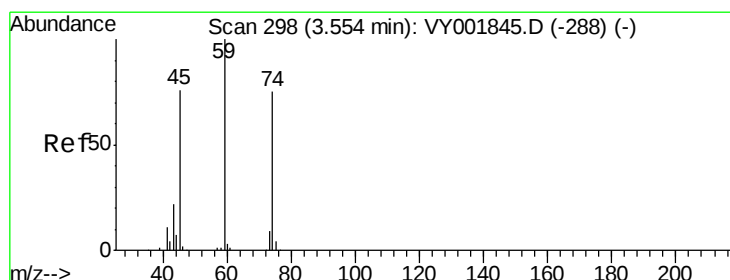
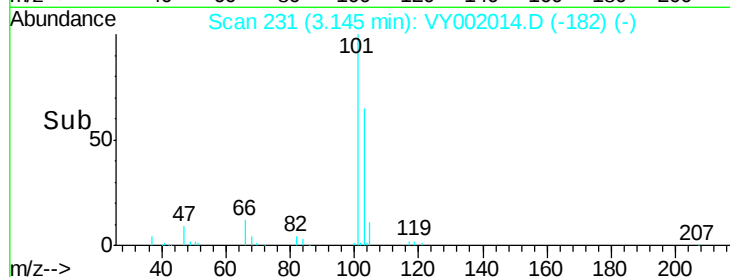
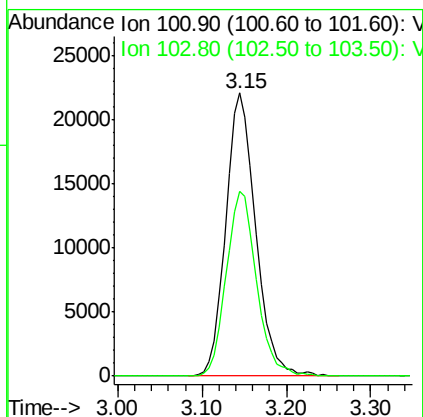
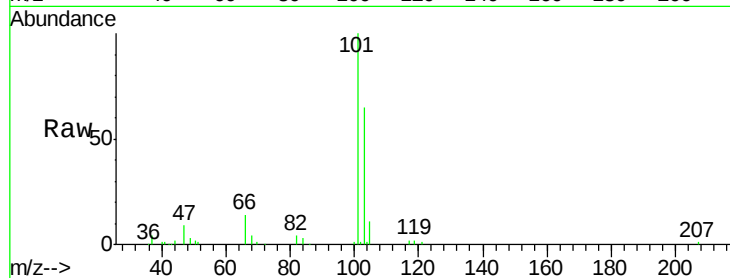
Trichlorofluoromethane
Concen: 20.128 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.1	73.7

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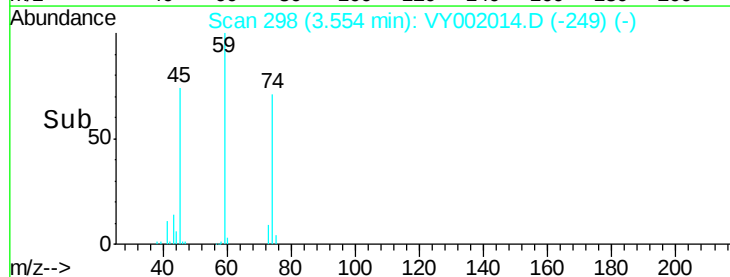
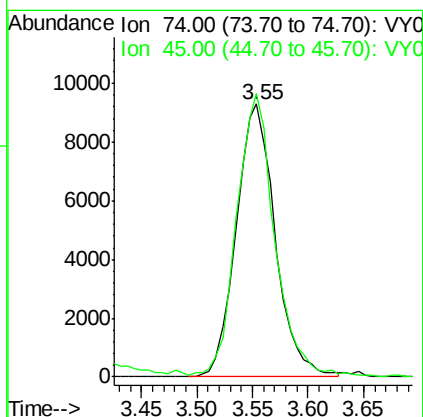
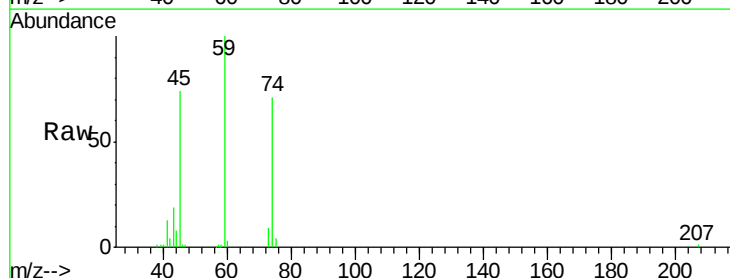
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3/20/2020 12:06:13 PM

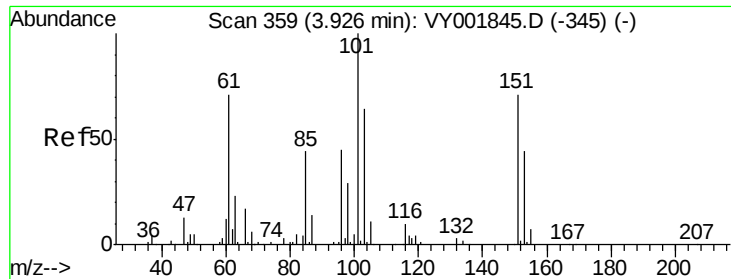


#8

Diethyl Ether
Concen: 21.609 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.076 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

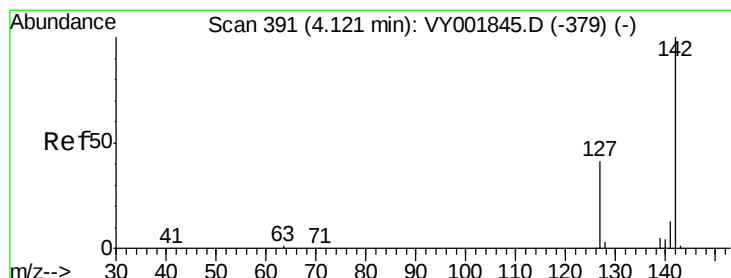
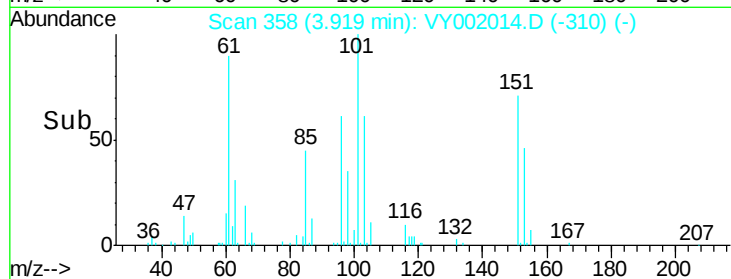
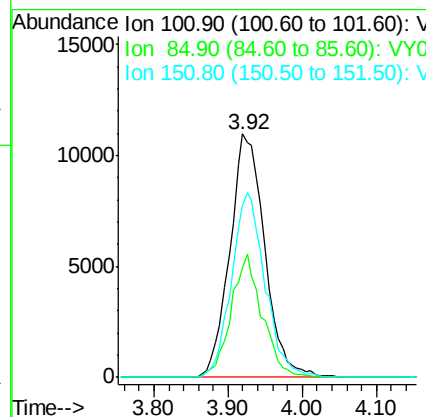
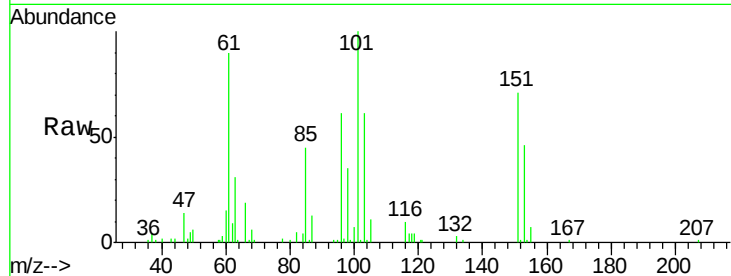
ClientSampleId :

VY0319SBS01

Tot Ion:	101	Resp:	35931
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.3	52.9
151	72.9	57.0	85.4

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#10

Methyl Iodide

Concen: 19.459 ug/l

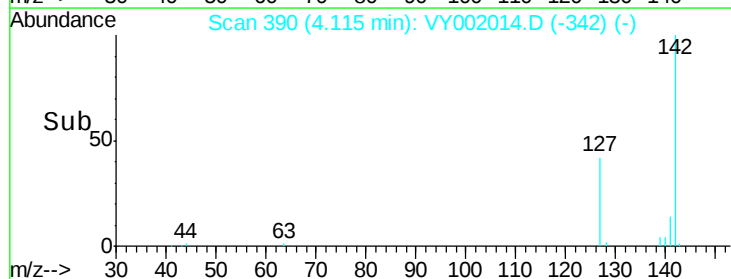
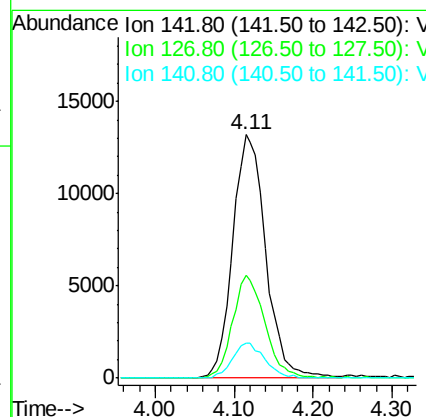
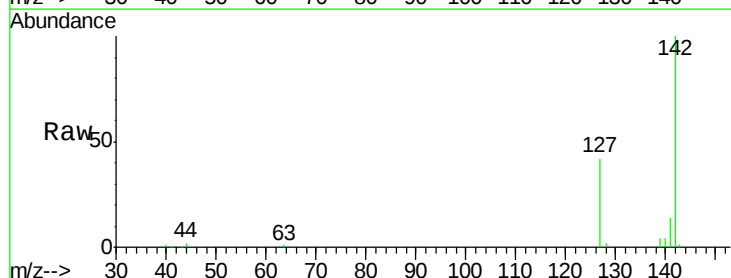
RT: 4.11 min Scan# 390

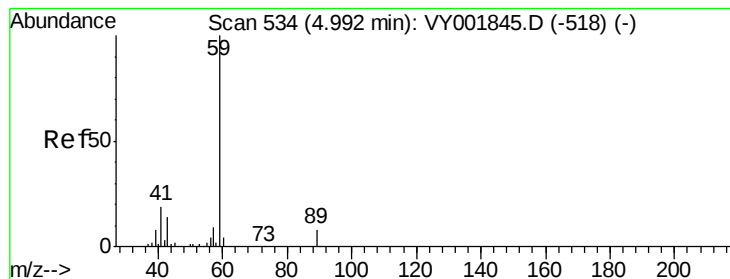
Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	142	Resp:	38365
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.7	49.1
141	14.1	11.0	16.6





#11

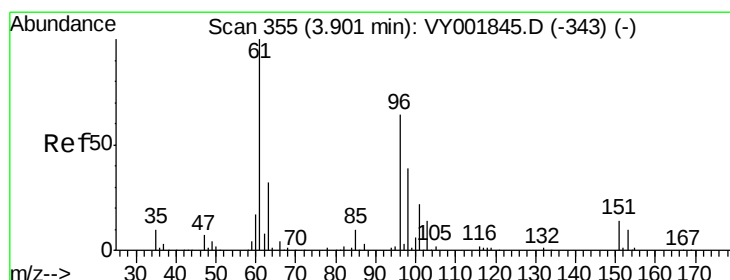
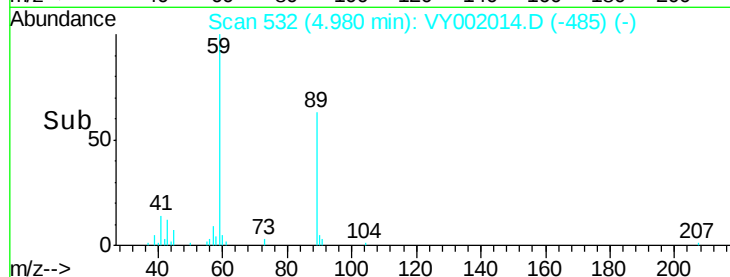
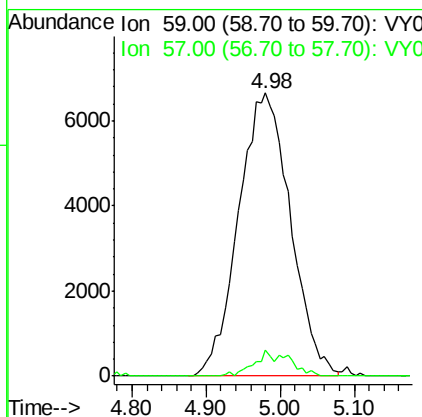
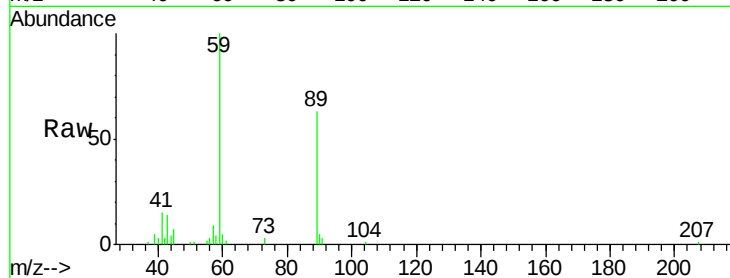
Tert butyl alcohol
 Concen: 182.515 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.2	7.4	11.2#

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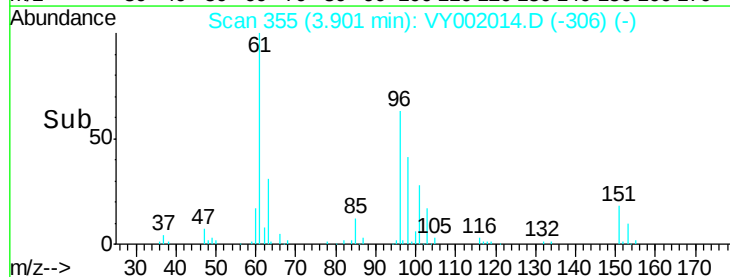
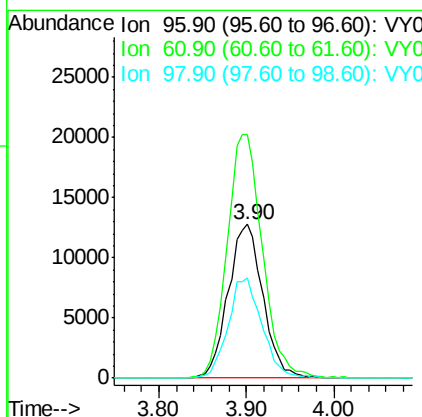
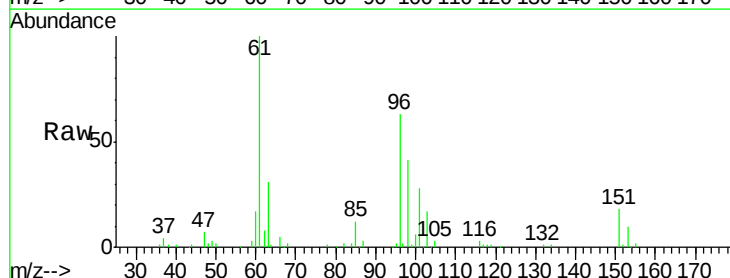
MMDadoda
 3/20/2020 12:06:13 PM

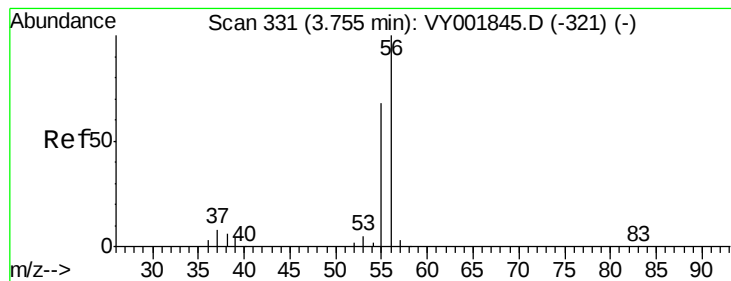


#12

1,1-Dichloroethene
 Concen: 20.603 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	124.8	187.2
98	65.6	49.2	73.8





#13

Acrolein

Concen: 80.165 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 56 Resp: 18568

Ion Ratio Lower Upper

56 100

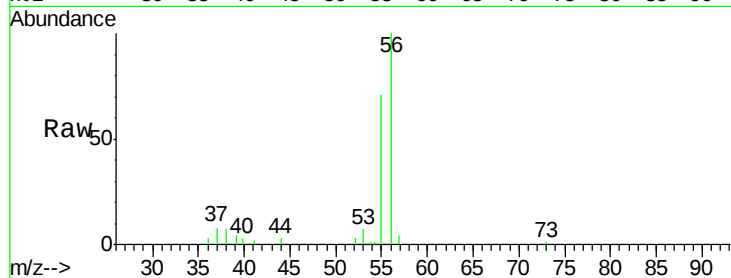
55 73.6 54.0 81.0

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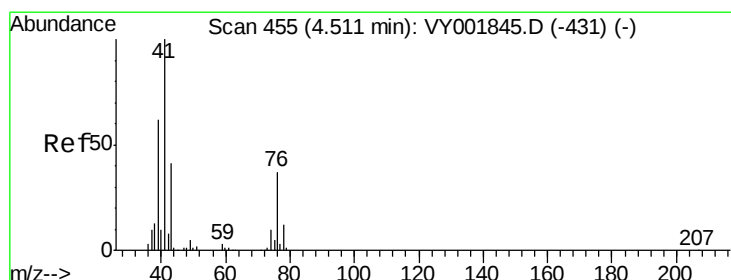
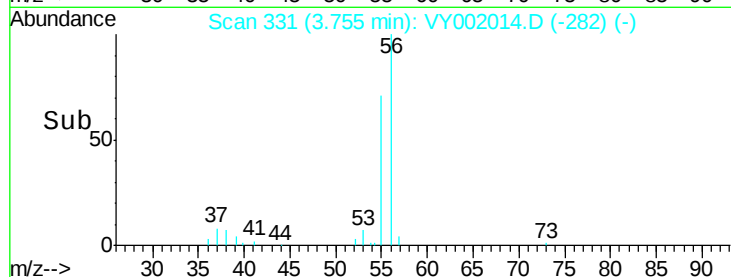
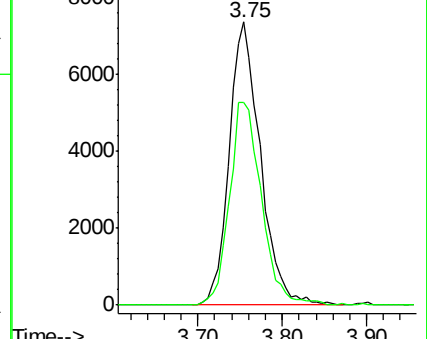
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 21.297 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

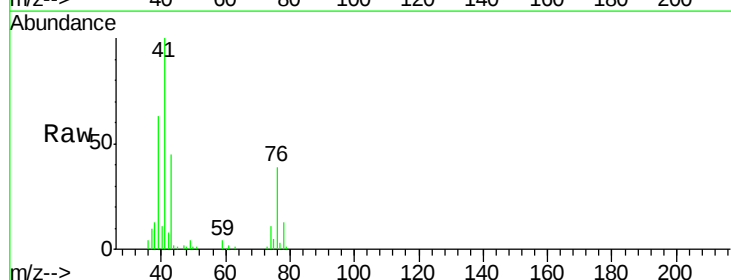
Tgt Ion: 41 Resp: 64811

Ion Ratio Lower Upper

41 100

39 62.2 49.0 73.6

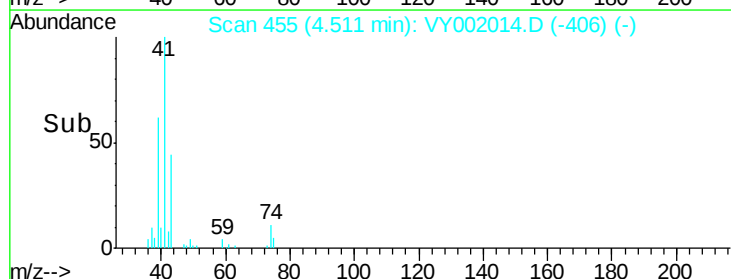
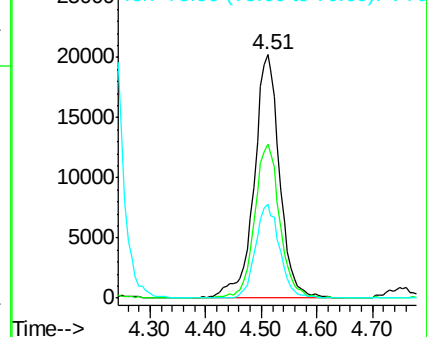
76 36.2 28.9 43.3

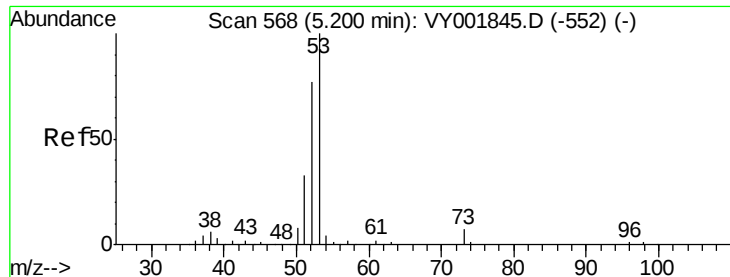


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 110.116 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

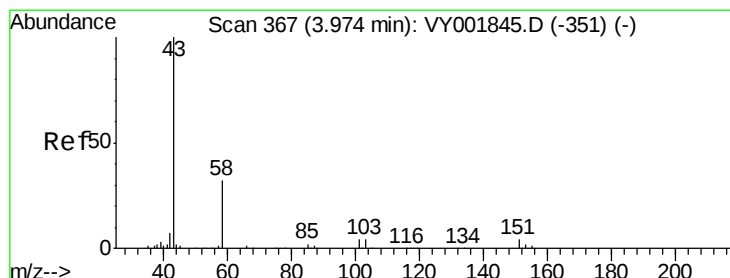
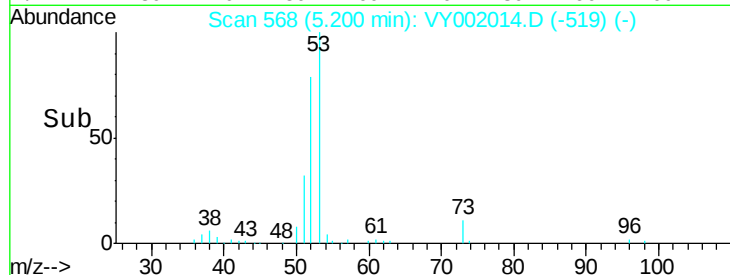
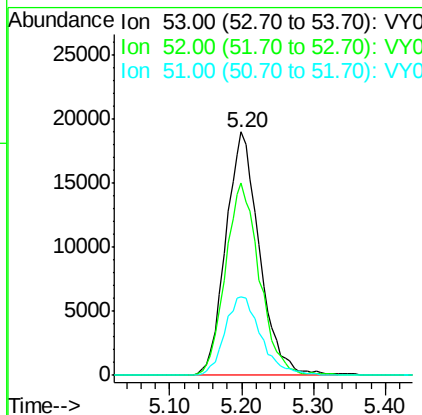
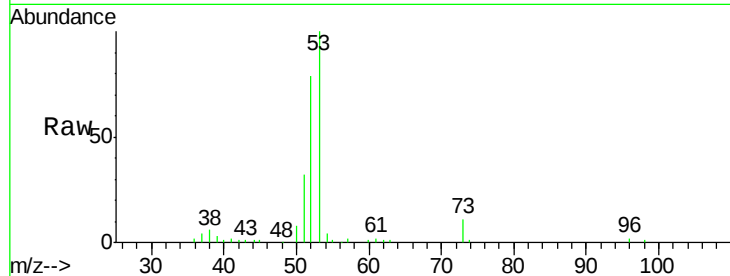
ClientSampleId :

VY0319SBS01

Tot Ion:	53	Resp:	61472
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.1	97.7
51	34.5	27.5	41.3

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#16

Acetone

Concen: 106.237 ug/l

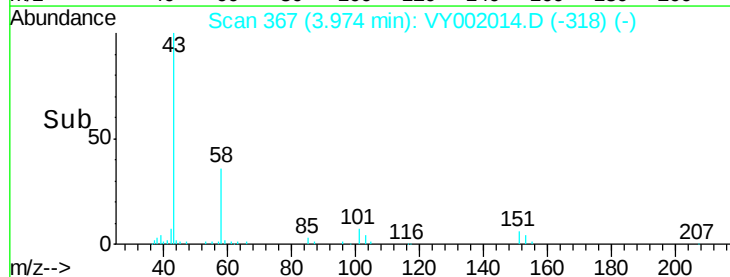
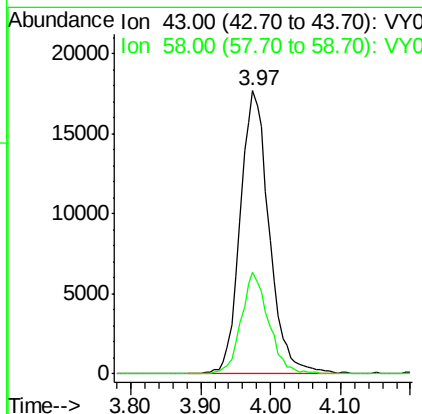
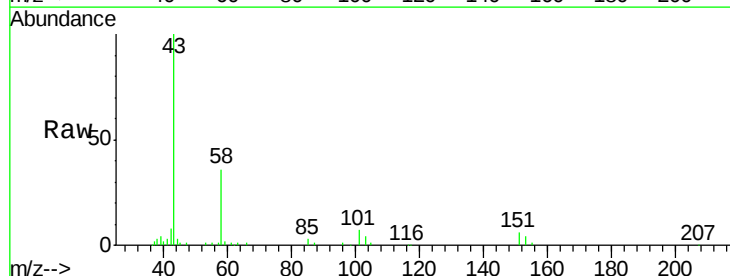
RT: 3.97 min Scan# 367

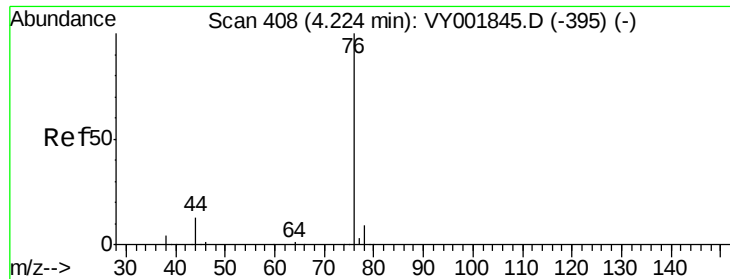
Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	43	Resp:	51002
Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.9	38.9





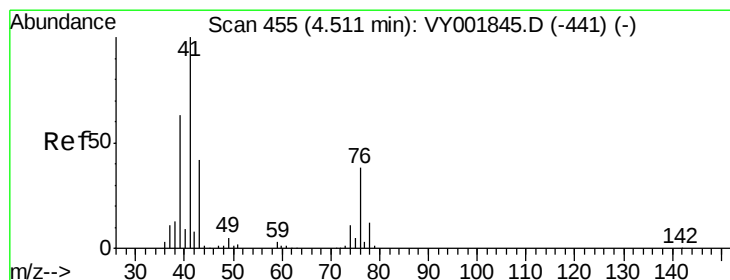
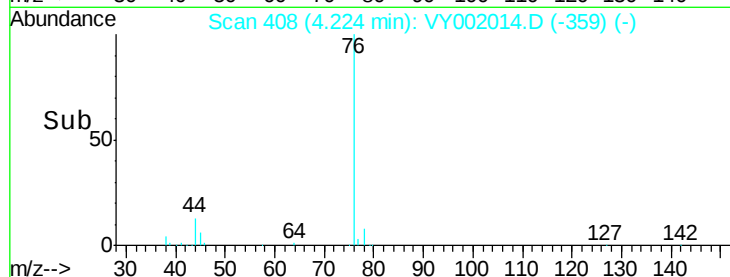
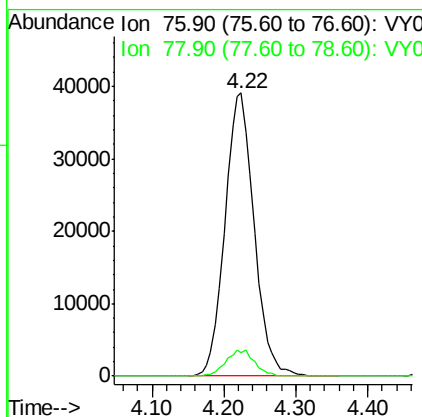
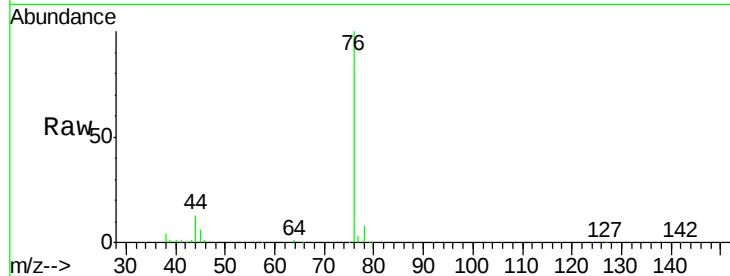
#17
Carbon Disulfide
Concen: 19.025 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.4	11.2

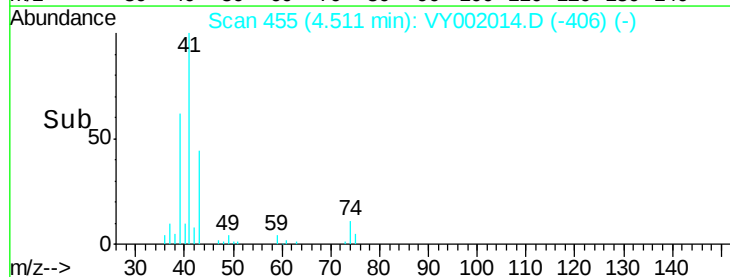
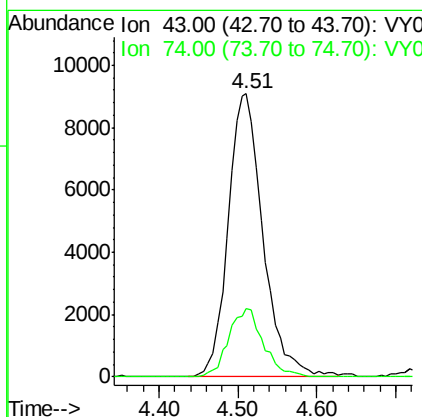
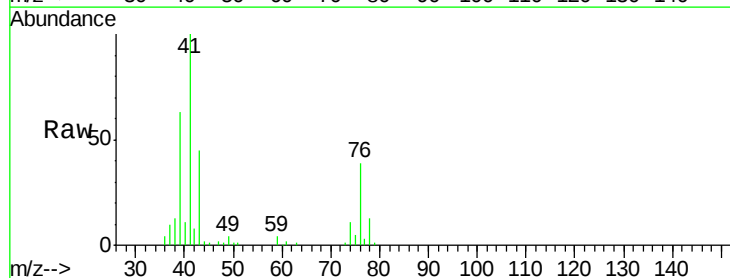
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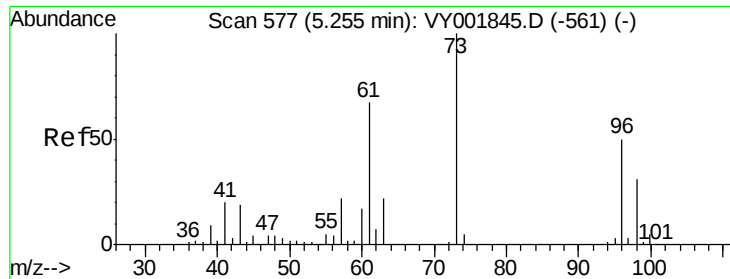
MMDadoda
3/20/2020 12:06:13 PM



#18
Methyl Acetate
Concen: 22.600 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.0	28.6





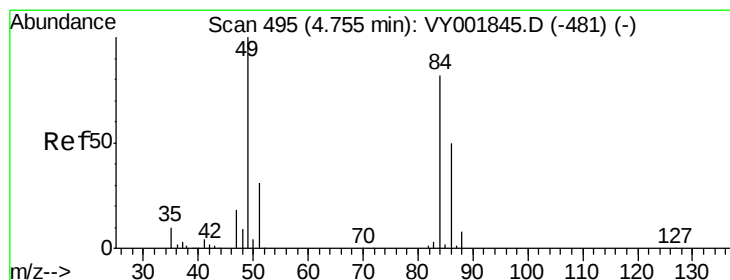
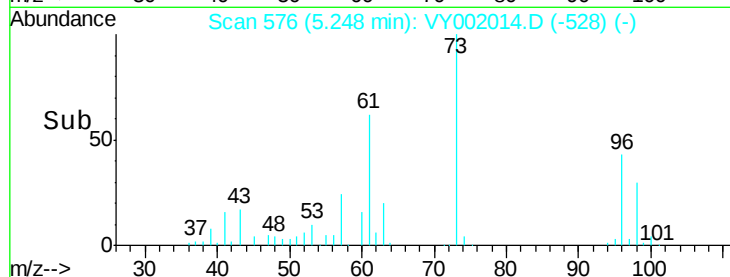
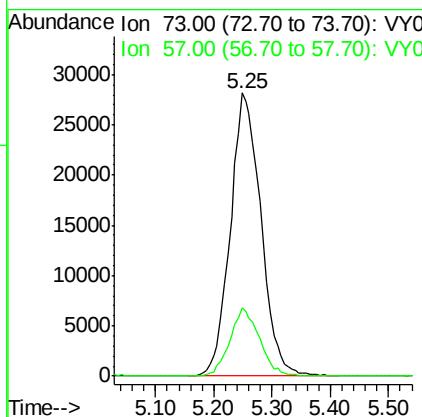
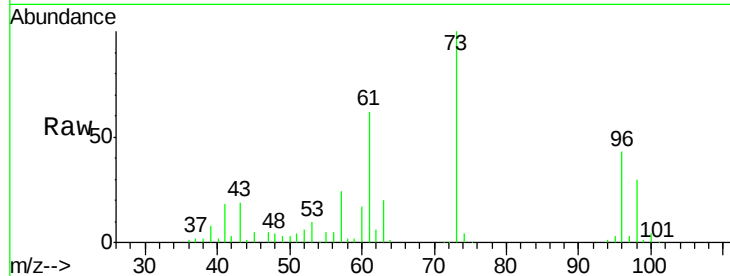
#19
Methvl tert-butvl Ether
Concen: 22.068 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 73 Resp: 102656
Ion Ratio Lower Upper
73 100
57 24.3 17.4 26.2

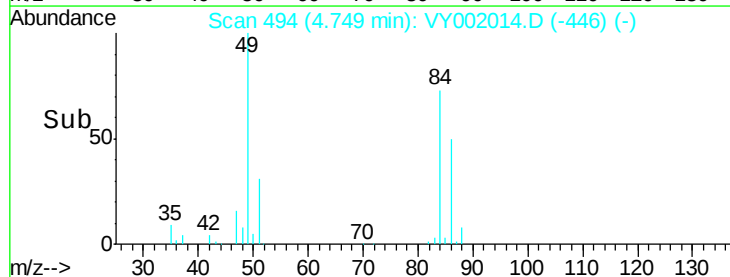
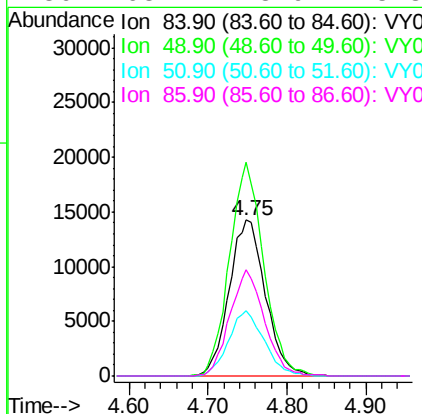
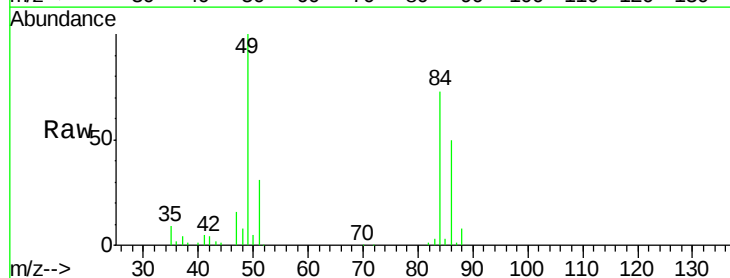
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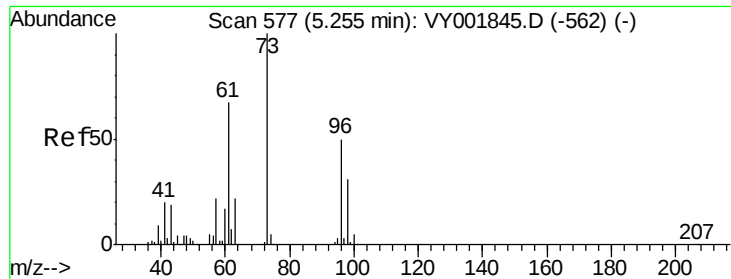
MMDadoda
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#20
Methylene Chloride
Concen: 22.141 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 84 Resp: 45555
Ion Ratio Lower Upper
84 100
49 136.8 98.2 147.2
51 41.8 30.2 45.2
86 68.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.646 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

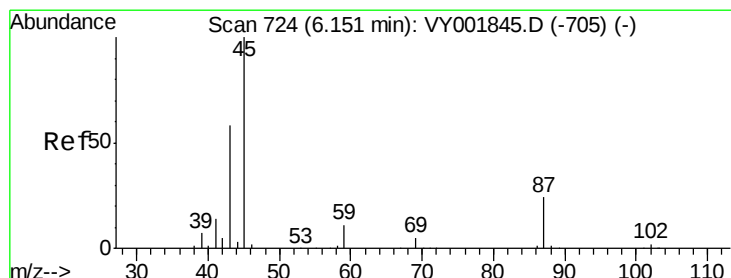
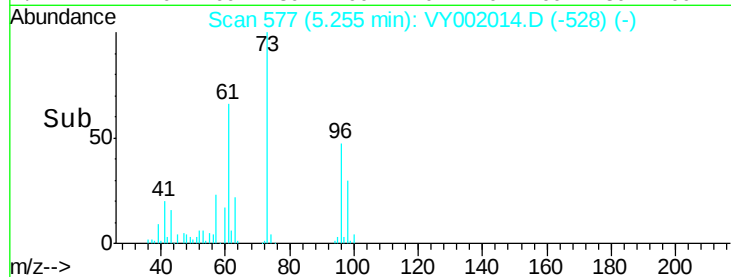
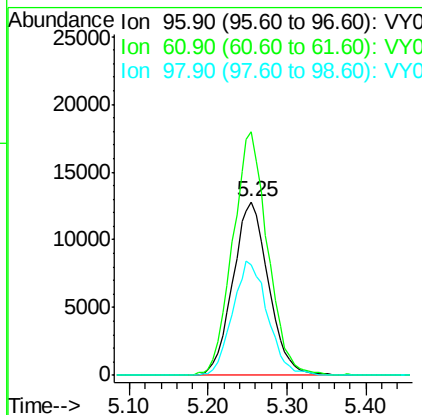
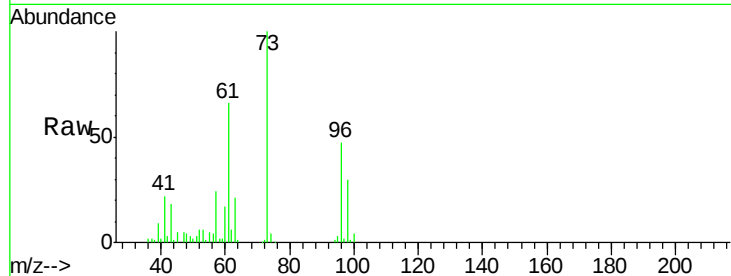
ClientSampleId :

VY0319SBS01

Tot Ion:	96	Resp:	40226
Ion	Ratio	Lower	Upper
96	100		
61	140.4	107.7	161.5
98	63.8	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.124 ug/l

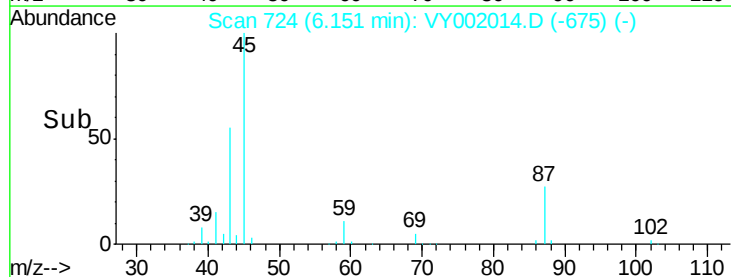
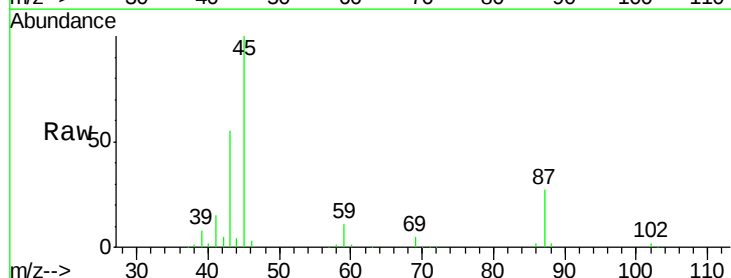
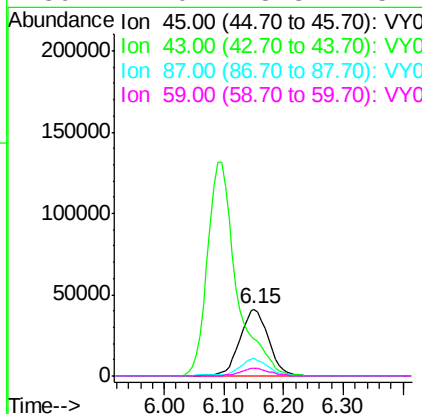
RT: 6.15 min Scan# 724

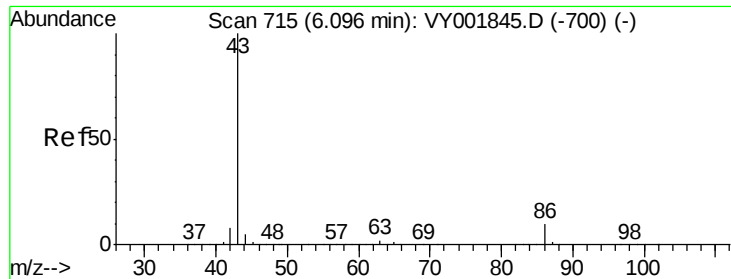
Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	45	Resp:	138008
Ion	Ratio	Lower	Upper
45	100		
43	54.9	47.2	70.8
87	26.7	19.8	29.8
59	11.0	8.8	13.2





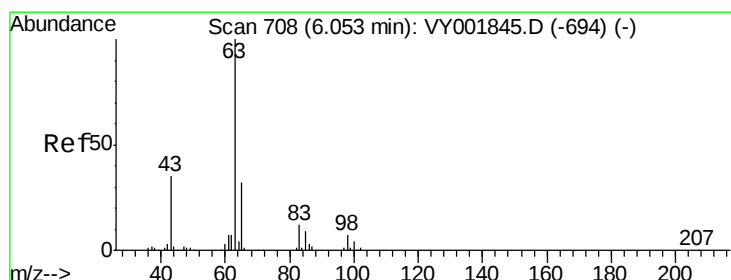
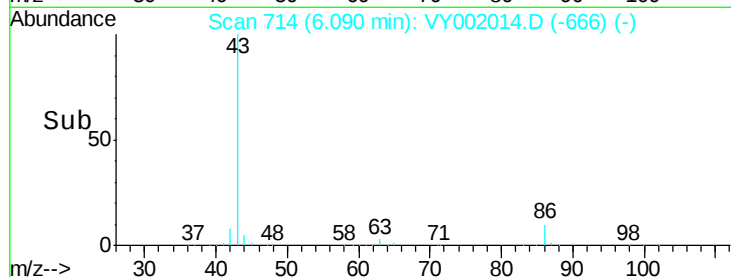
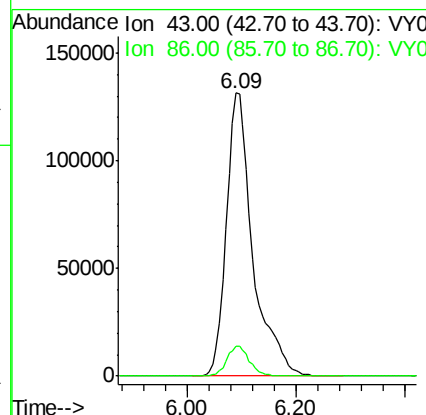
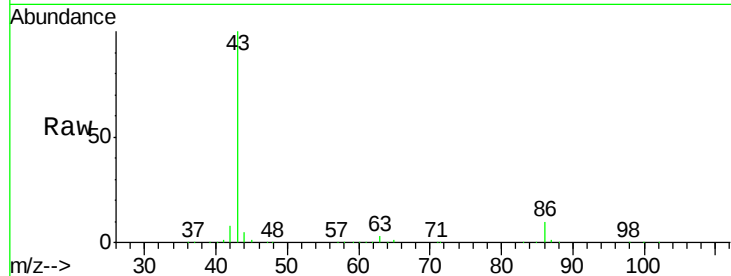
#23
 Vinyl Acetate
 Concen: 108.578 ug/l
 RT: 6.09 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	43	Resp	444027
Ion Ratio	100	Lower	Upper
43	100		
86	10.4	7.8	11.8

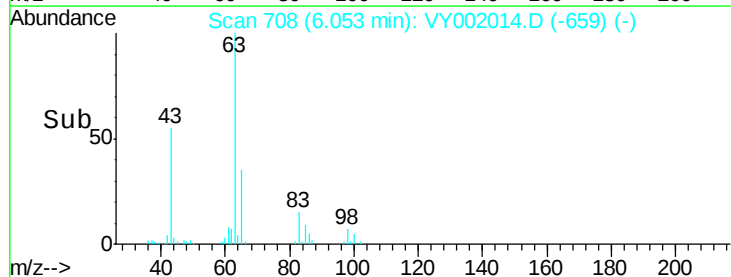
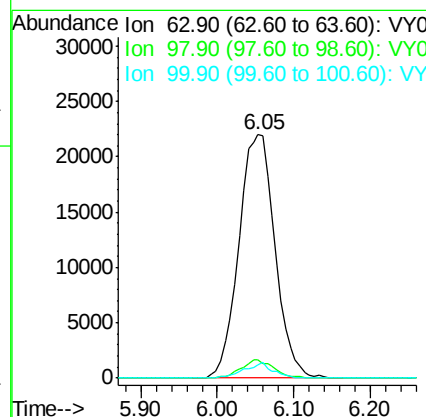
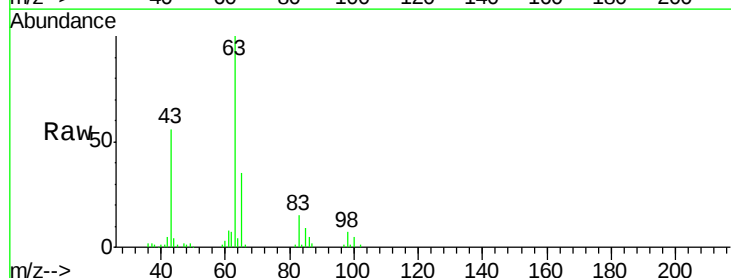
Manual Integrations
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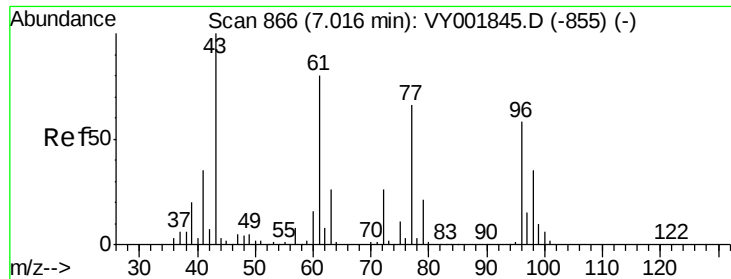
MMDadoda
 3/20/2020 12:06:13 PM



#24
 1,1-Dichloroethane
 Concen: 21.321 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	63	Resp	72025
Ion Ratio	100	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	5.2	2.0	6.0





#25

2-Butanone

Concen: 109.645 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 43 Resp: 80048

Ion Ratio Lower Upper

43 100

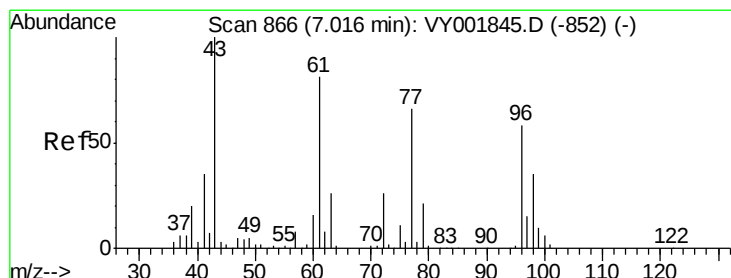
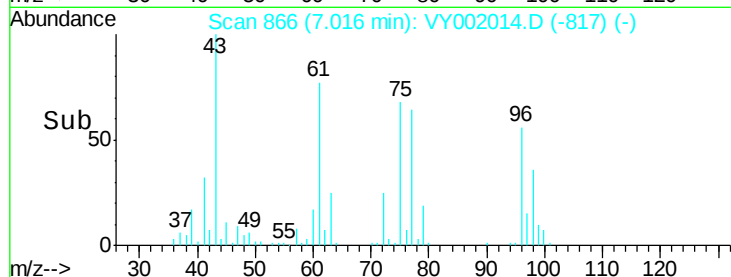
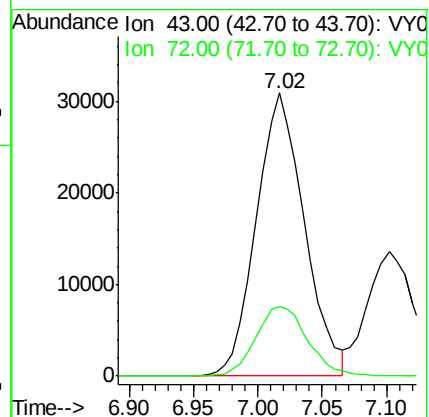
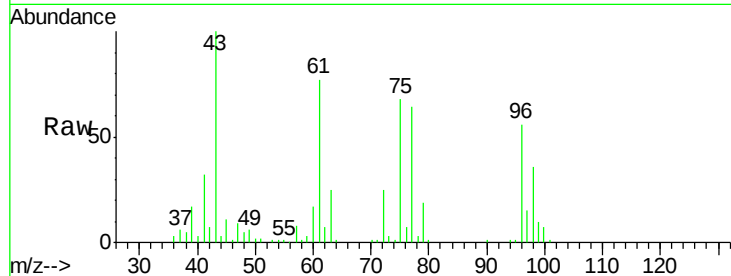
72 24.5 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.313 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002014.D

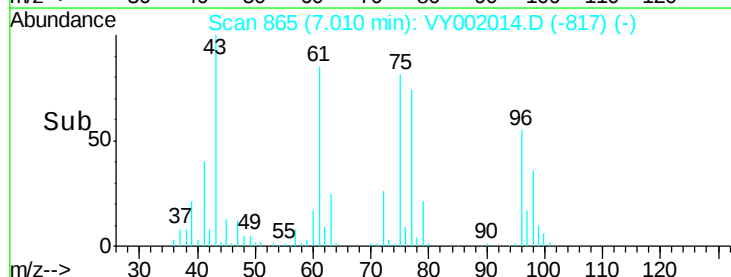
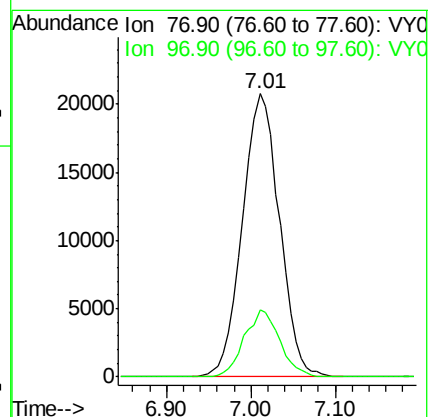
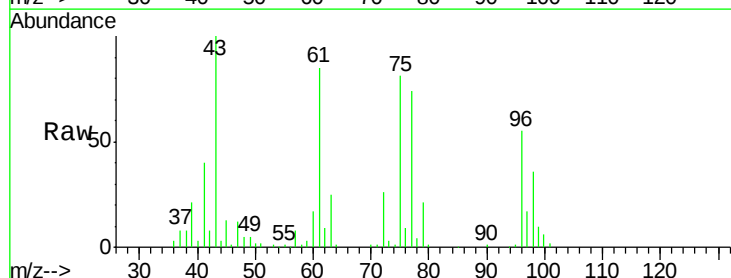
Acq: 19 Mar 2020 12:31

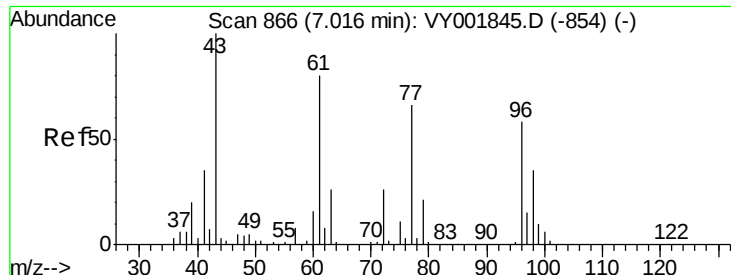
Tgt Ion: 77 Resp: 61866

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.7





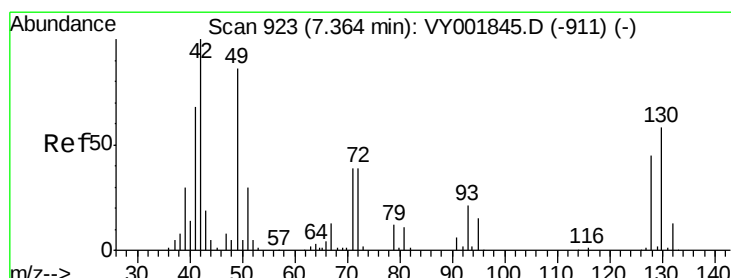
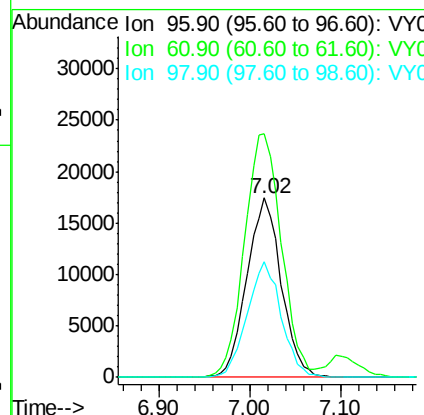
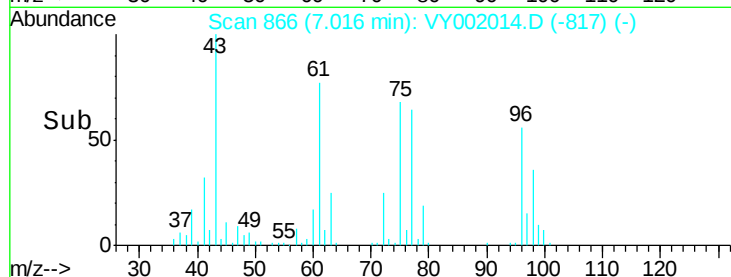
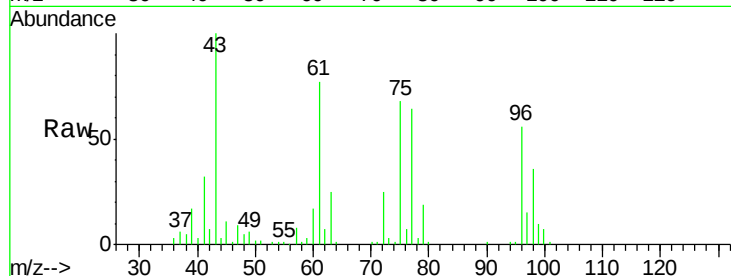
#27
 cis-1,2-Dichloroethene
 Concen: 21.593 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	288.2
98	64.0	0.0	129.0

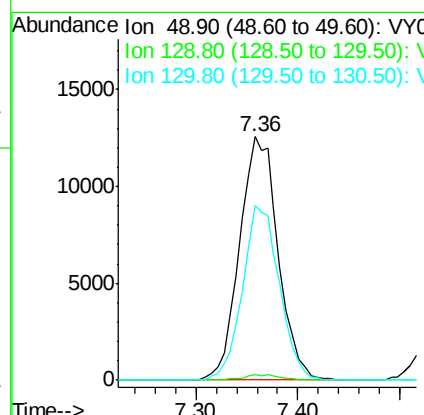
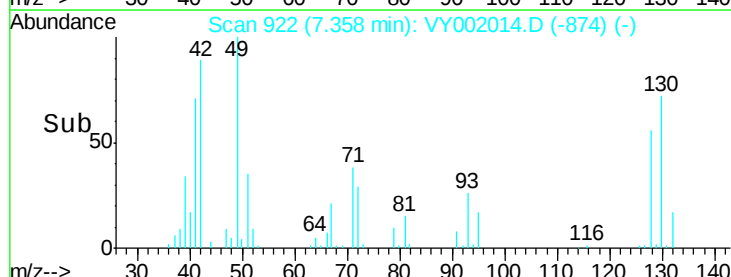
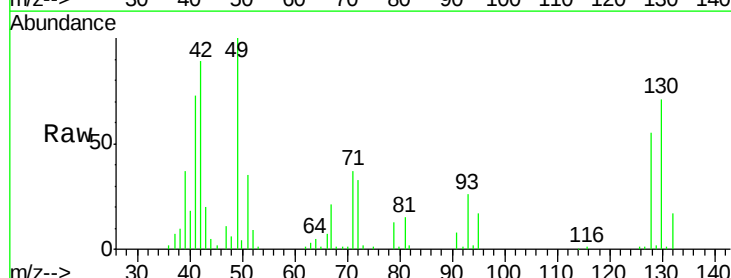
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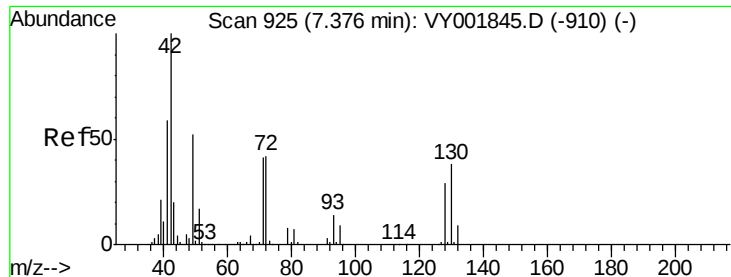
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#28
 Bromochloromethane
 Concen: 21.581 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	68.6	54.4	81.6





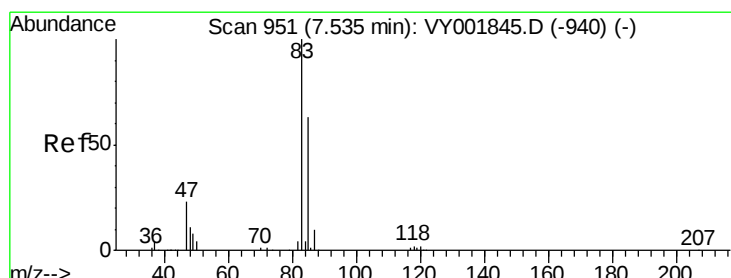
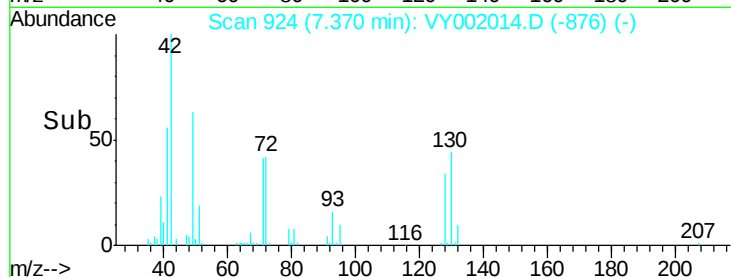
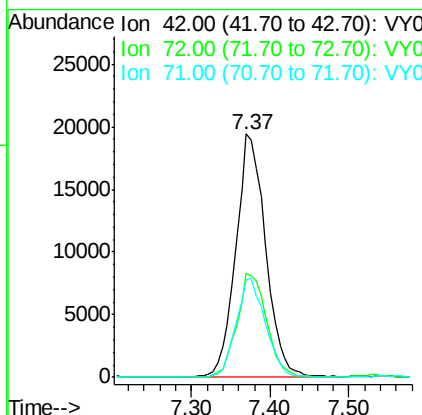
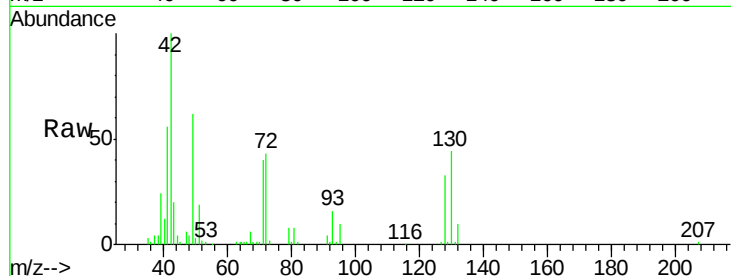
#29
Tetrahydrofuran
Concen: 106.014 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.5	50.3
71	40.1	31.3	46.9

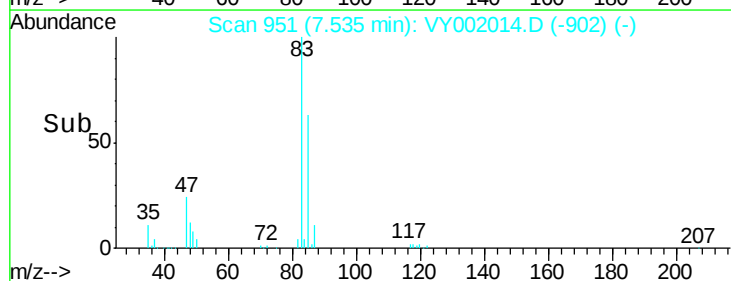
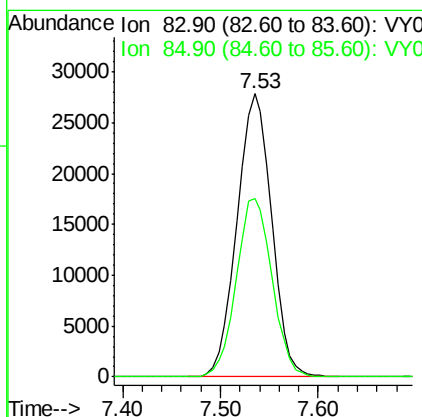
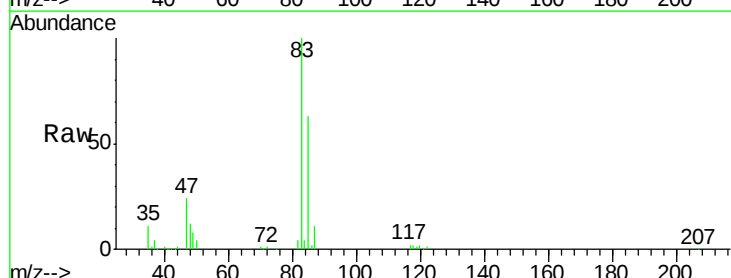
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#30
Chloroform
Concen: 21.566 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.7	76.1





#31

Cyclohexane

Concen: 20.062 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 56 Resp: 72666

Ion Ratio Lower Upper

56 100

69 35.5 26.7 40.1

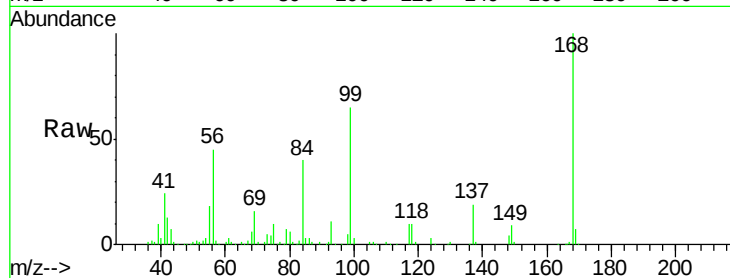
84 86.7 70.4 105.6

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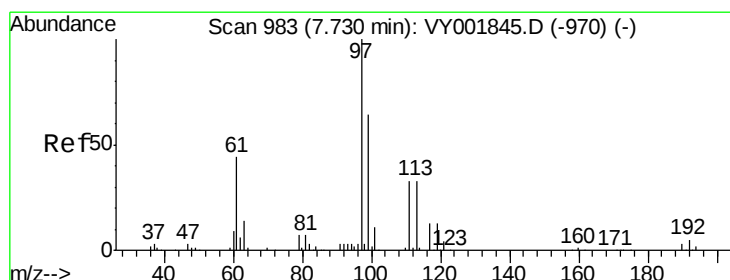
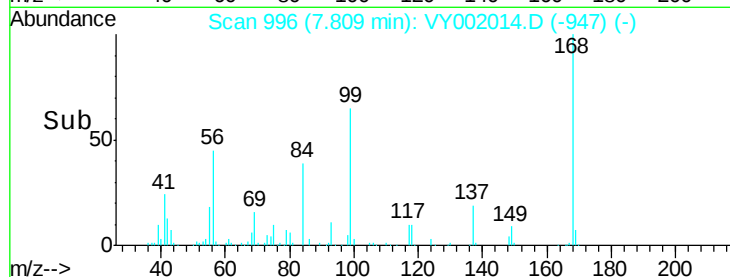
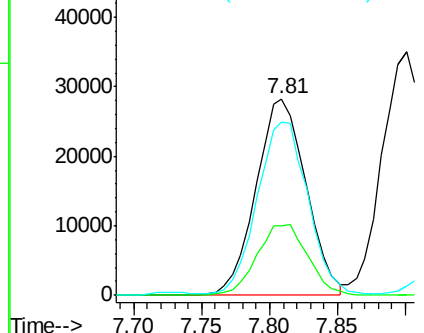
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.054 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

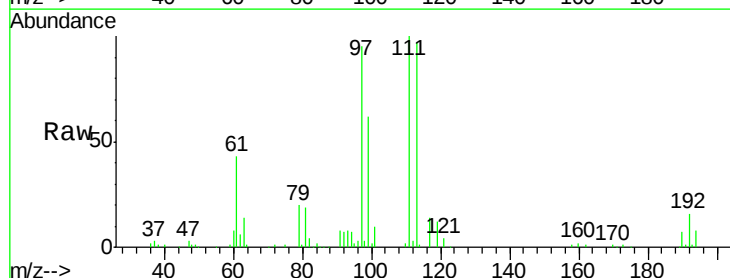
Tgt Ion: 97 Resp: 56319

Ion Ratio Lower Upper

97 100

99 65.5 52.0 78.0

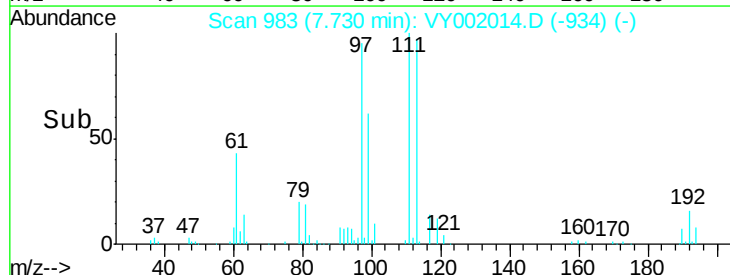
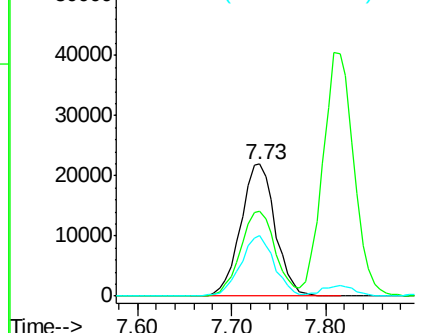
61 44.8 35.0 52.4

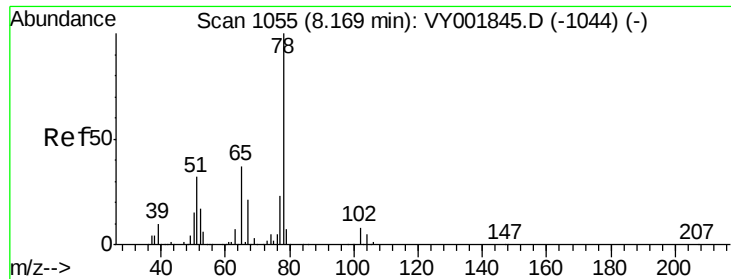


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 53.229 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 65 Resp: 87737

Ion Ratio Lower Upper

65 100

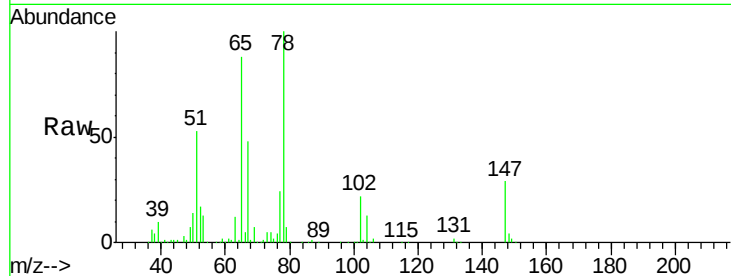
67 57.2 0.0 110.8

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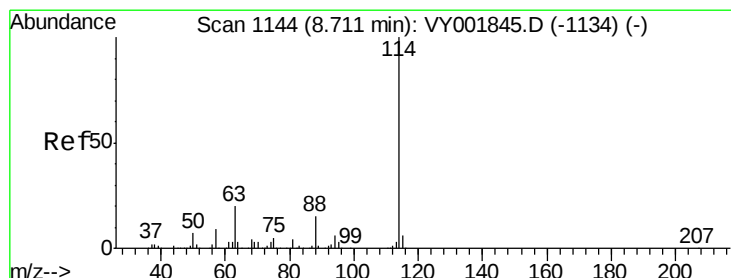
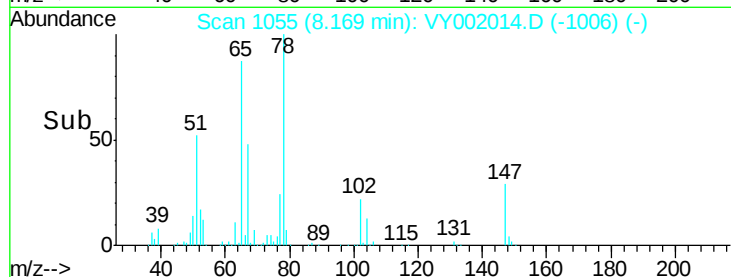
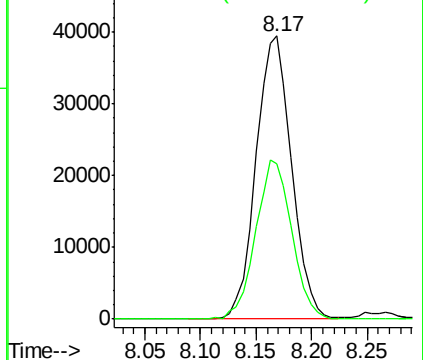
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

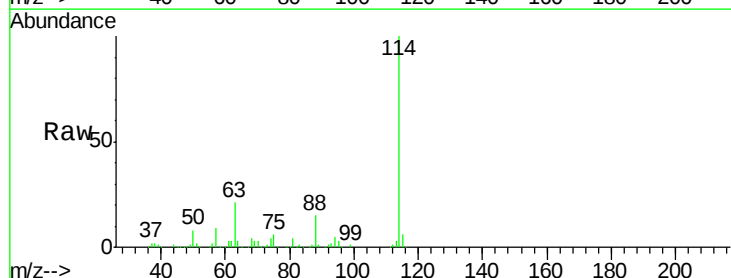
Tgt Ion: 114 Resp: 279257

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.4

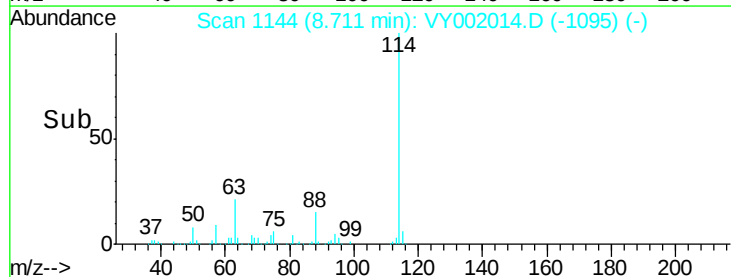
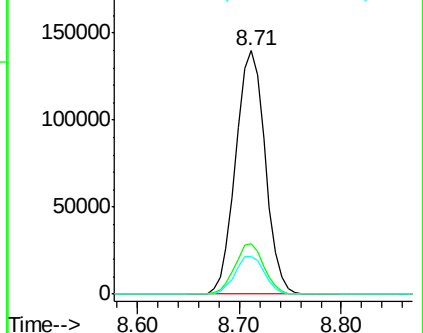
88 15.4 0.0 30.4

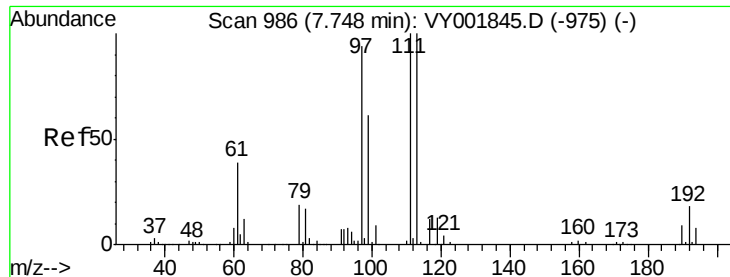


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





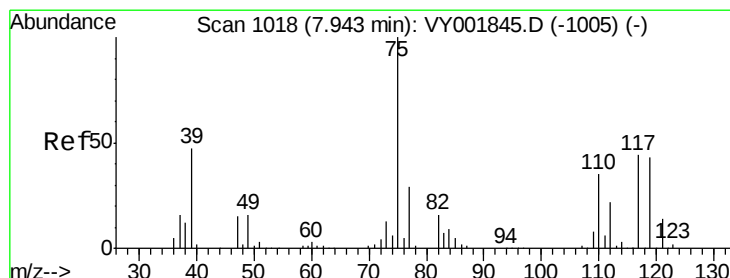
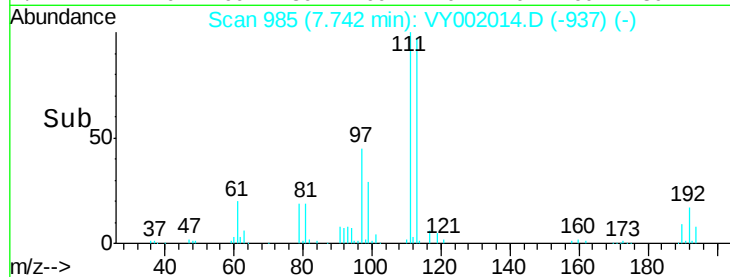
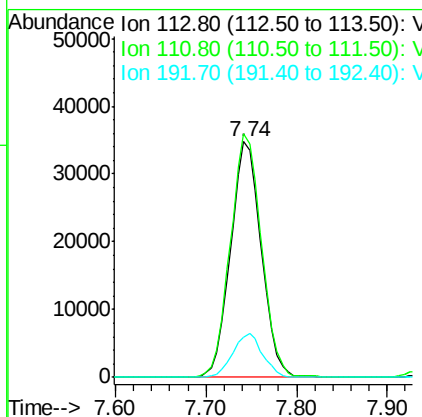
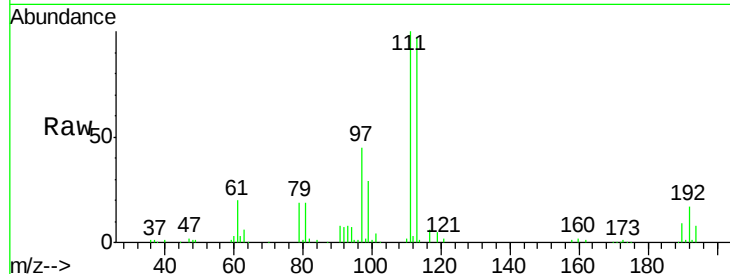
#35
Dibromofluoromethane
Concen: 53.508 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.8	122.8
192	18.1	14.2	21.2

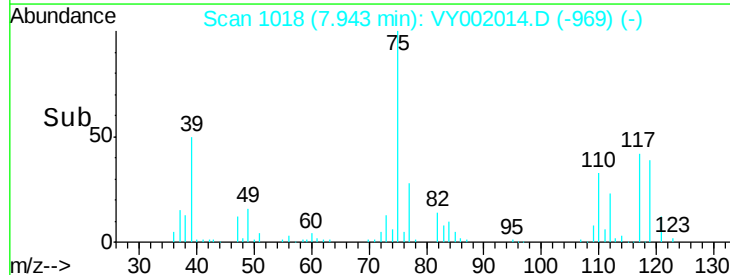
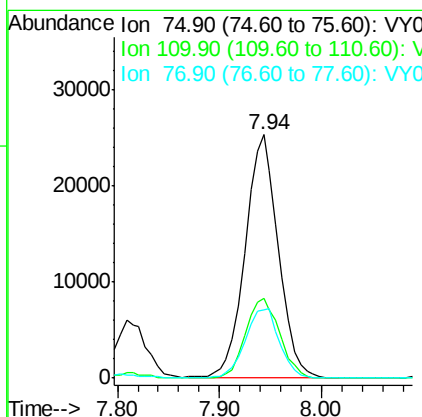
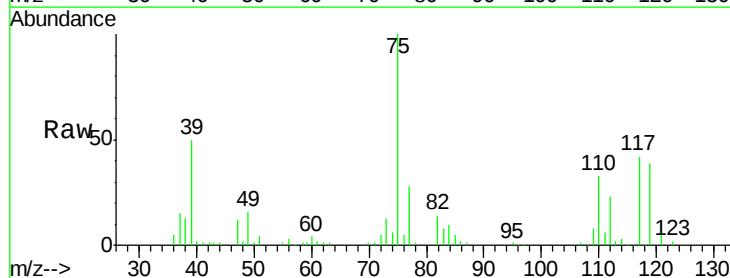
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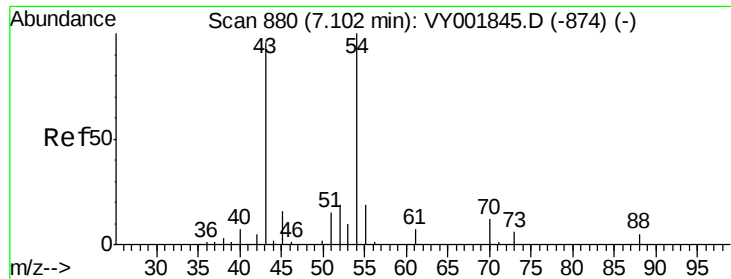
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#36
1,1-Dichloropropene
Concen: 21.338 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.4	52.2
77	29.6	24.2	36.2





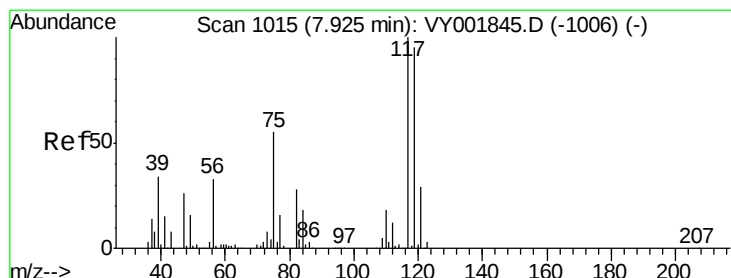
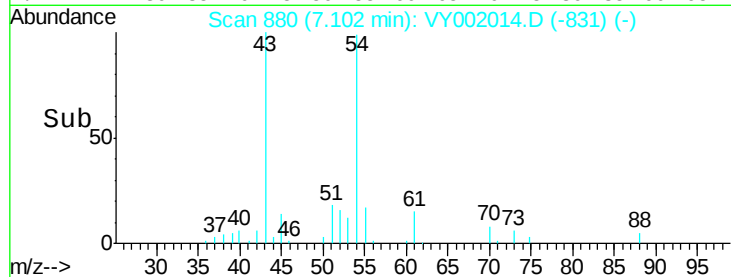
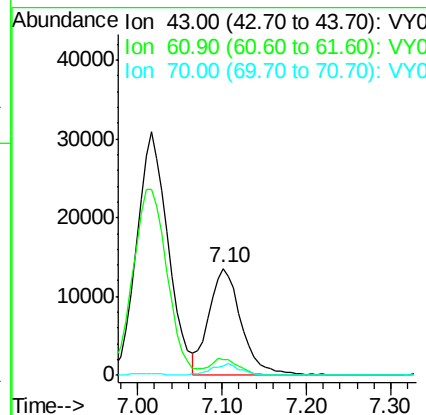
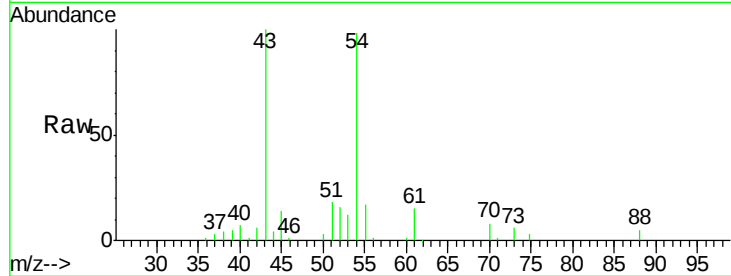
#37
Ethyl Acetate
Concen: 23.325 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	9.3	8.2	12.4

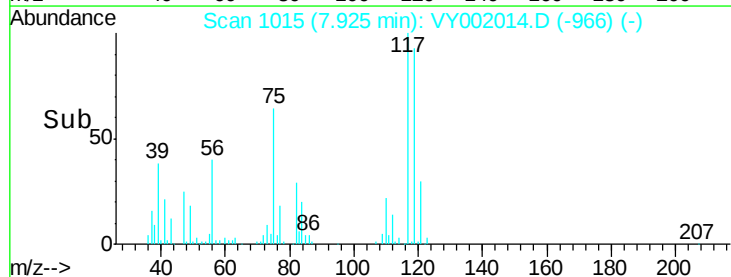
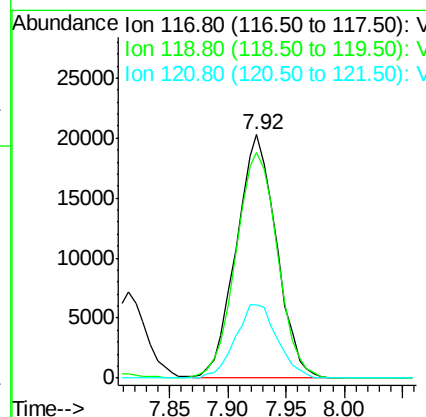
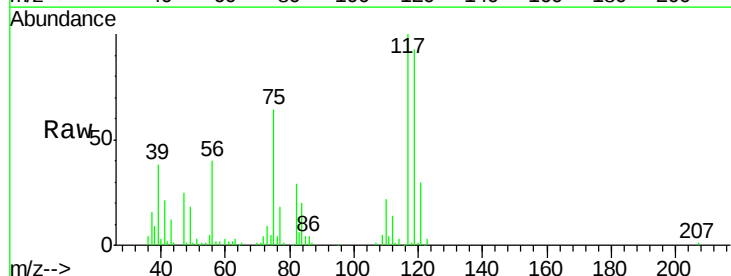
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#38
Carbon Tetrachloride
Concen: 21.210 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.3	114.5
121	30.2	23.5	35.3





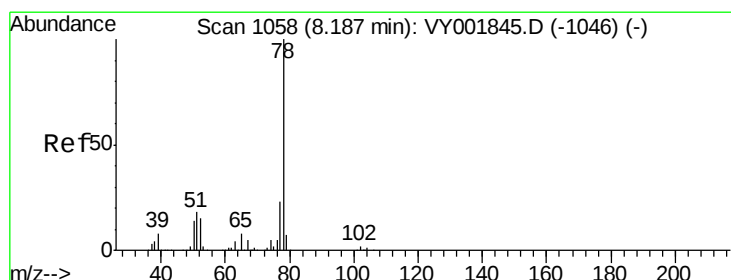
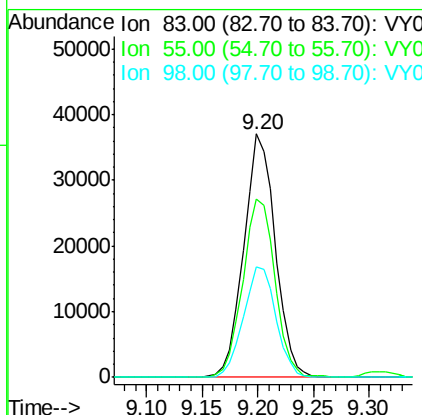
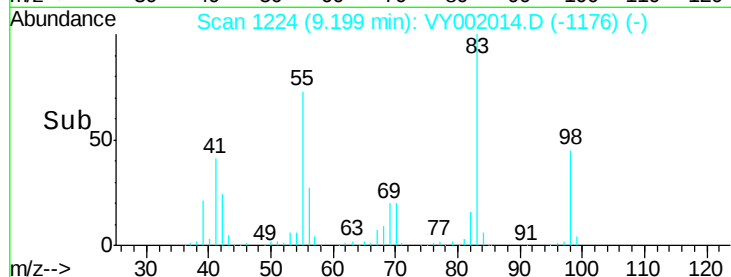
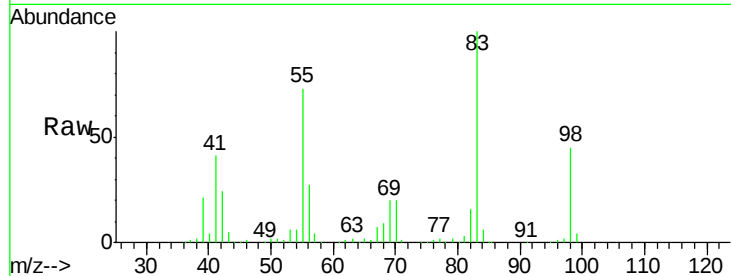
#39
Methvlcvclohexane
Concen: 20.483 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.4	89.0
98	45.4	38.9	58.3

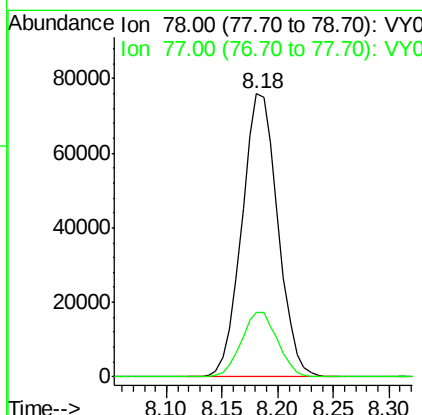
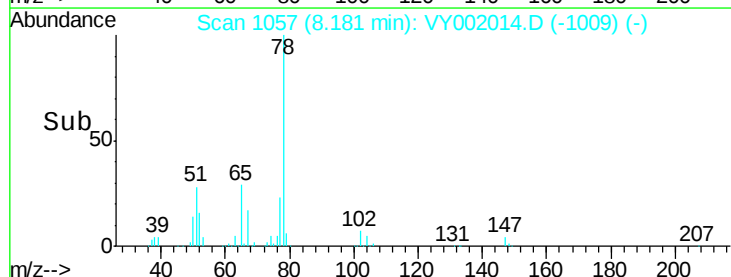
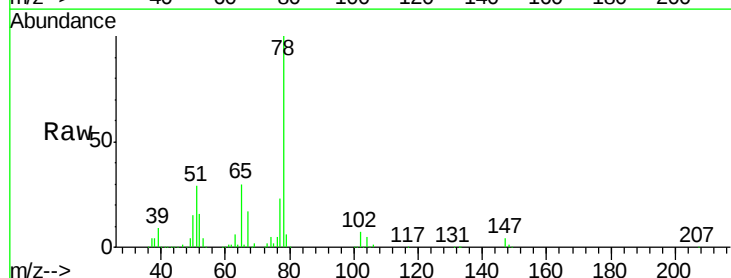
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#40
Benzene
Concen: 21.412 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1





#41

Methacrylonitrile

Concen: 23.262 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 41 Resp: 16351

Ion Ratio Lower Upper

41 100

39 129.2 111.7 167.5

67 0.0 0.0 0.0

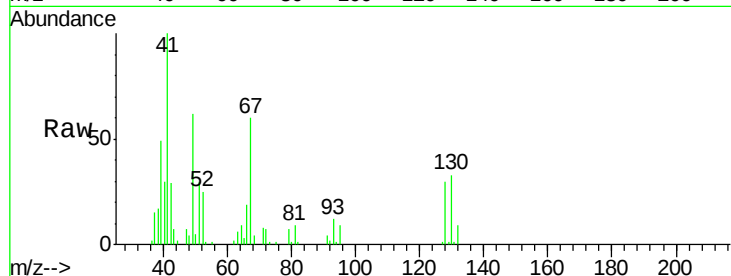
52 0.0 0.0 0.0

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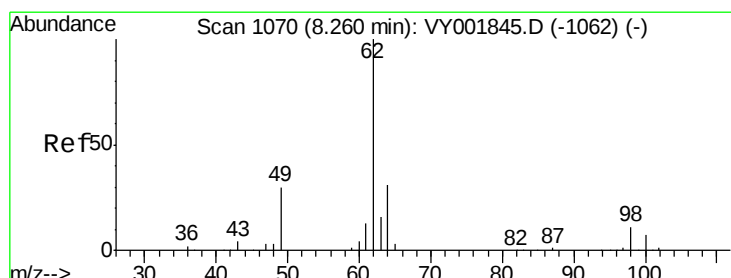
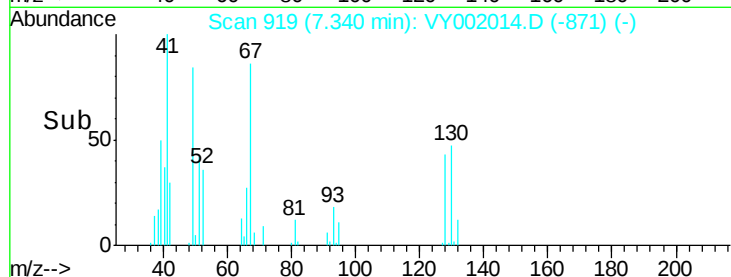
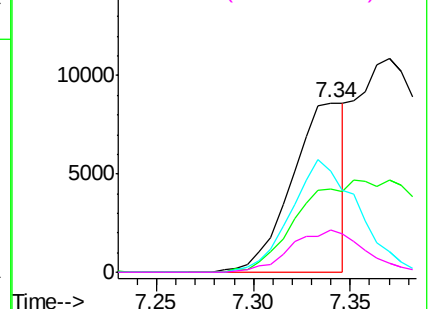


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 22.055 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY002014.D

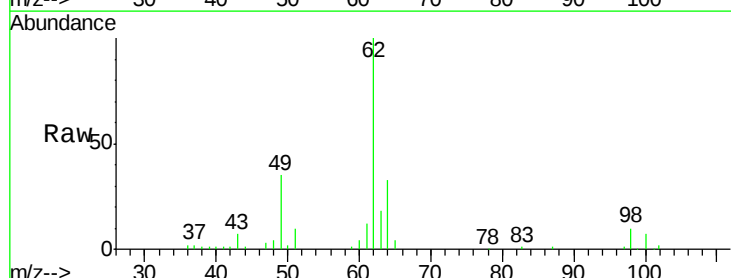
Acq: 19 Mar 2020 12:31

Tgt Ion: 62 Resp: 45267

Ion Ratio Lower Upper

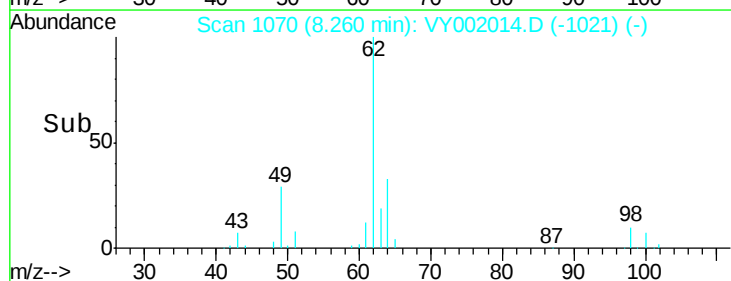
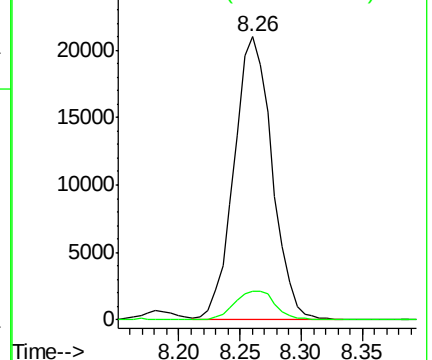
62 100

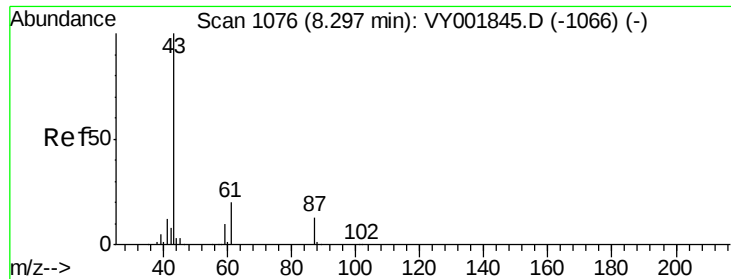
98 11.1 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





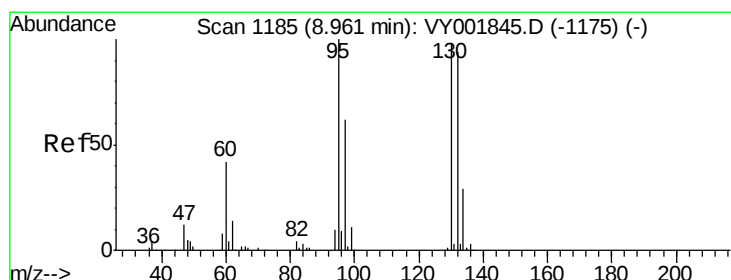
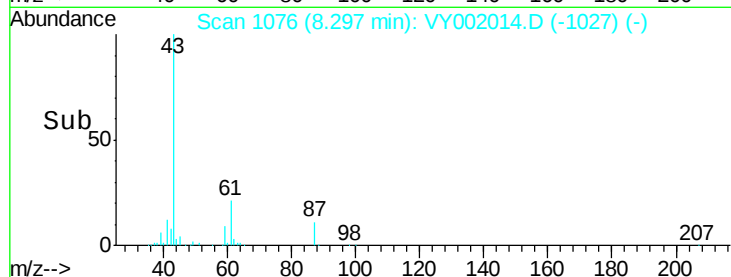
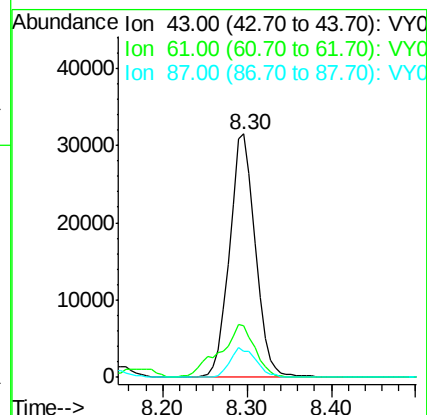
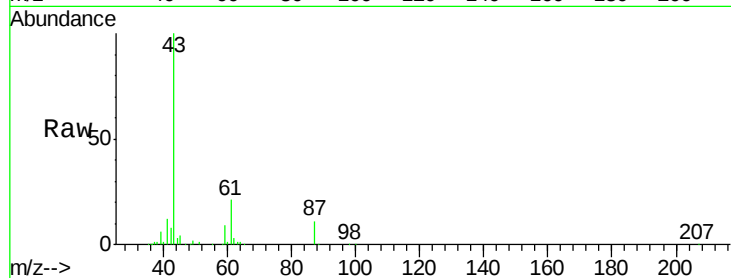
#43
Isopropyl Acetate
Concen: 22.104 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	12.4	10.9	16.3

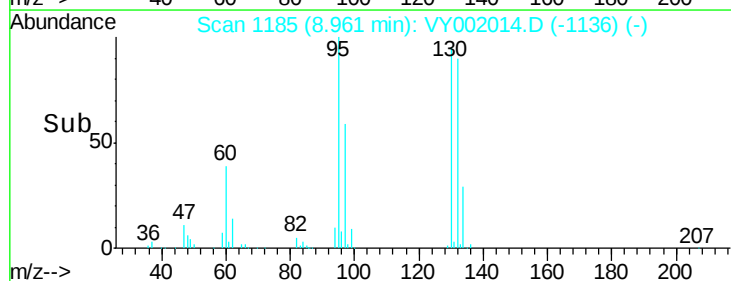
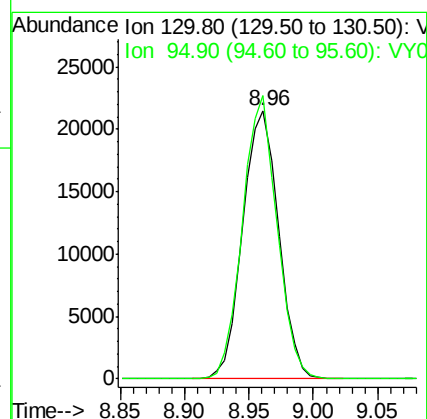
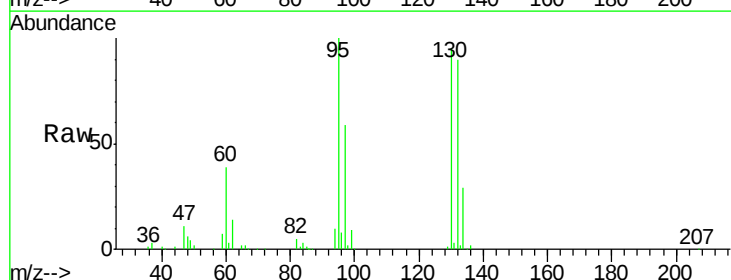
Manual Integrations
APPROVED

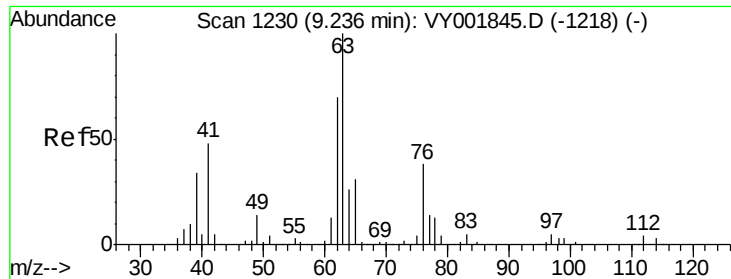
MMDadoda
3/20/2020 12:06:13 PM



#44
Trichloroethene
Concen: 21.344 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	204.6





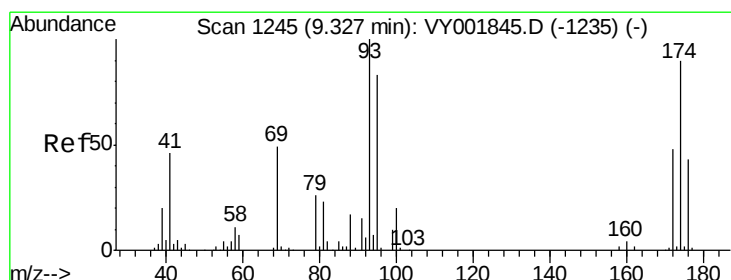
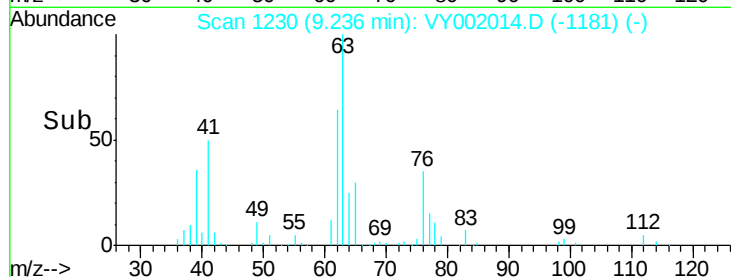
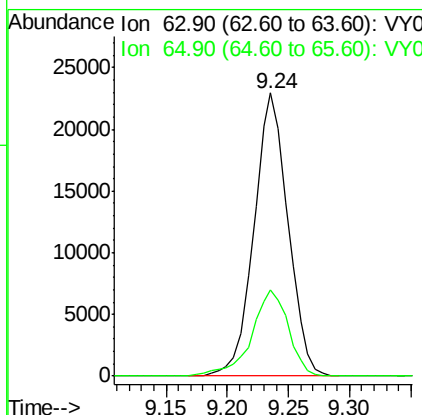
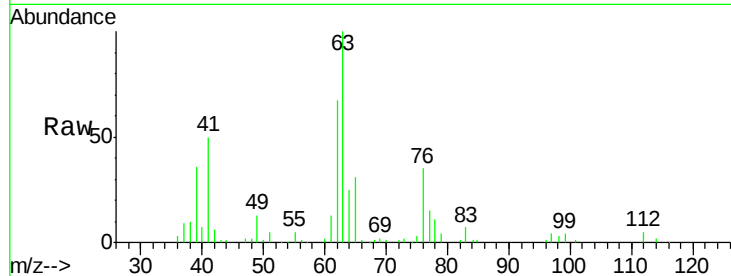
#45
 1,2-Dichloropropane
 Concen: 22.197 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampled :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.9	37.3

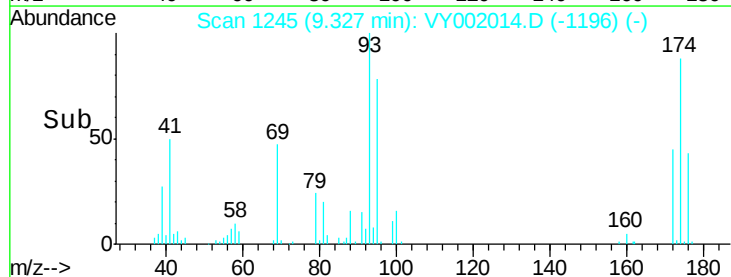
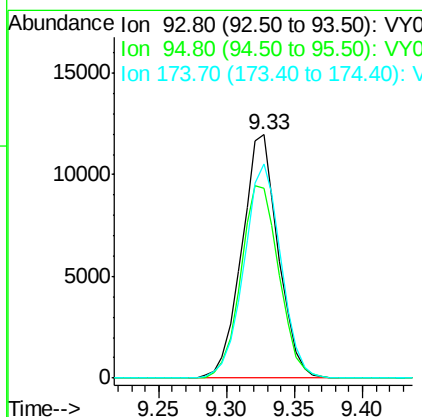
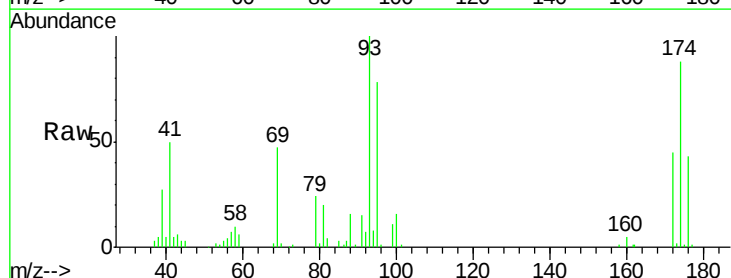
Manual Integrations
 APPROVED

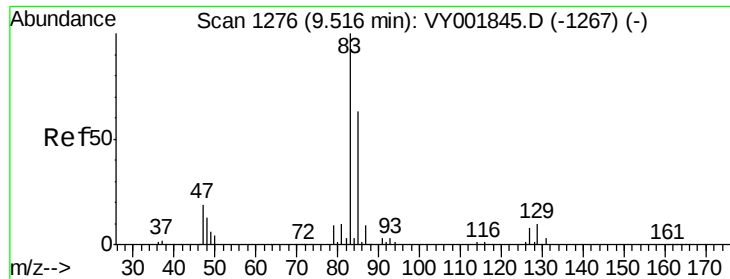
MMDadoda
 3/20/2020 12:06:13 PM



#46
 Dibromomethane
 Concen: 21.696 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.0	100.4
174	89.2	71.8	107.8





#47

Bromodichloromethane

Concen: 21.939 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

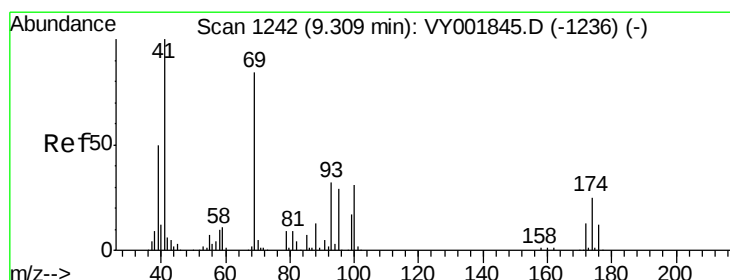
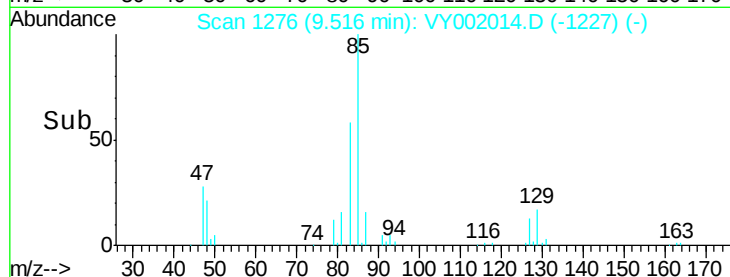
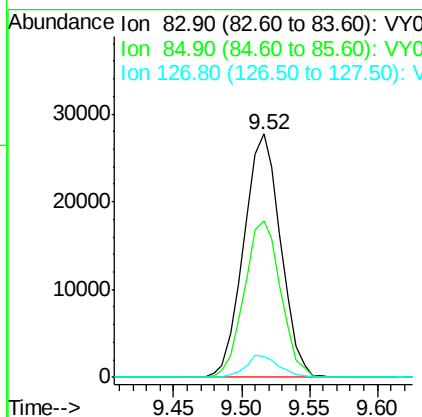
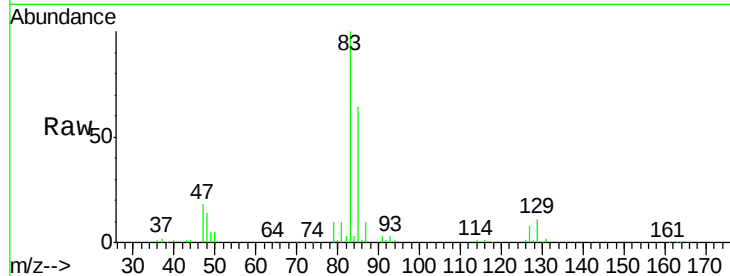
ClientSampleId :

VY0319SBS01

Tot Ion:	83	Resp:	52660
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	8.4	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.054 ug/l

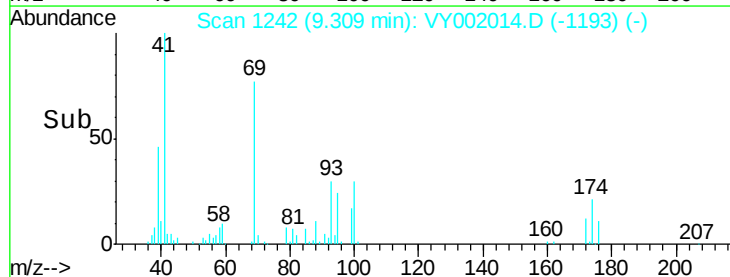
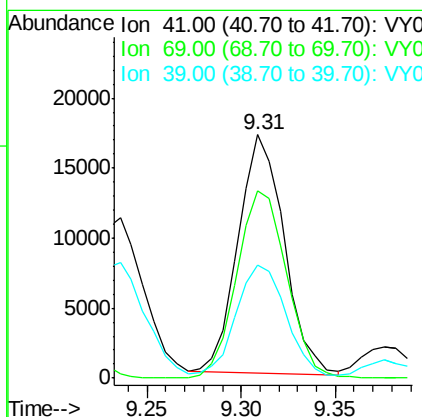
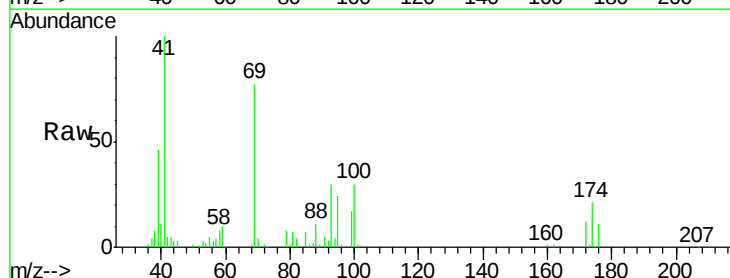
RT: 9.31 min Scan# 1242

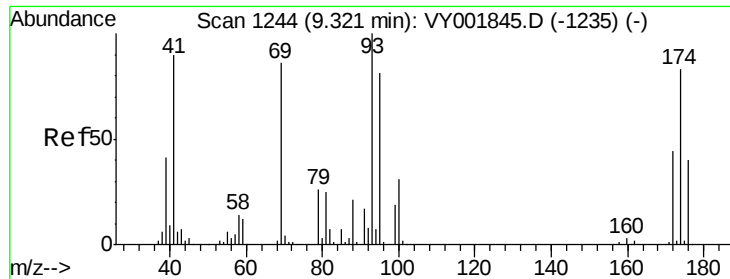
Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	41	Resp:	28937
Ion	Ratio	Lower	Upper
41	100		
69	85.0	69.0	103.6
39	48.9	39.1	58.7





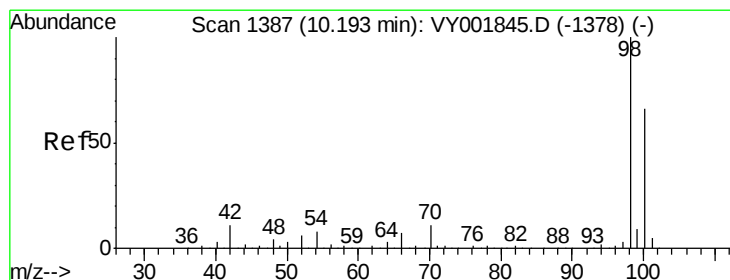
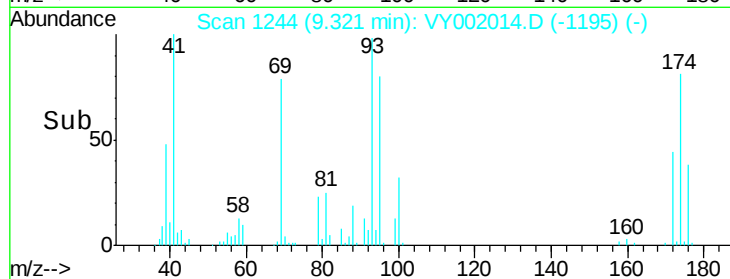
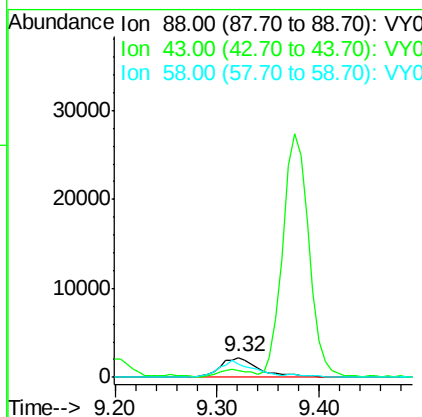
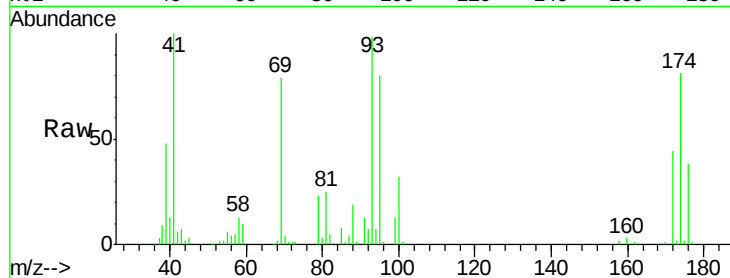
#49
 1,4-Dioxane
 Concen: 410.151 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	88	Resp	5799
Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.0	37.6
58	75.2	58.9	88.3

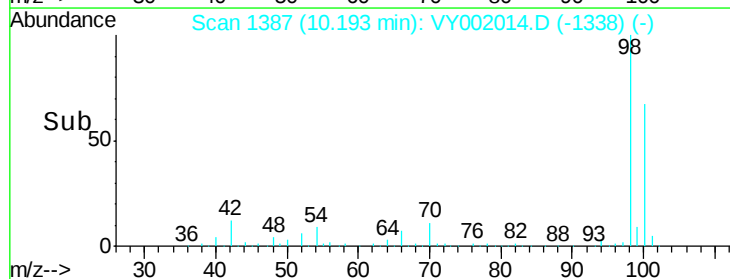
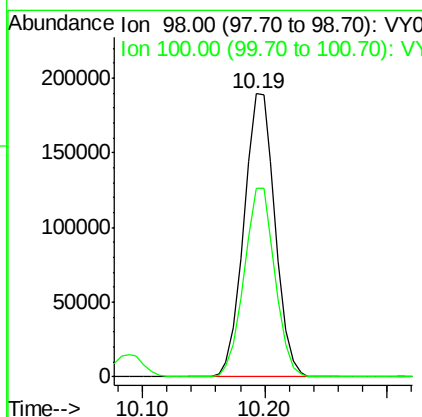
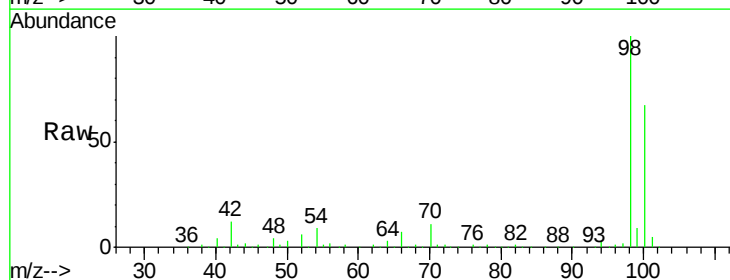
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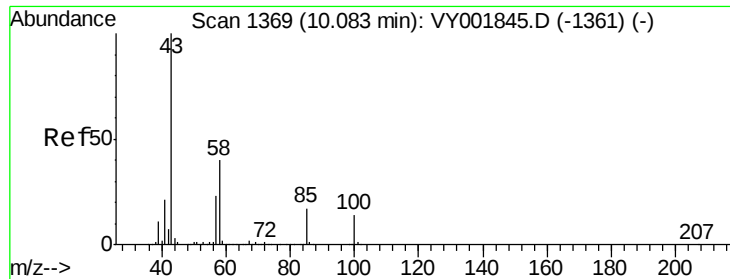
MMDadoda
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#50
 Toluene-d8
 Concen: 52.035 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	98	Resp	334589
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4





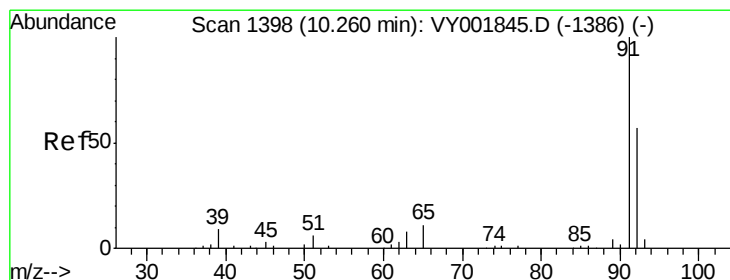
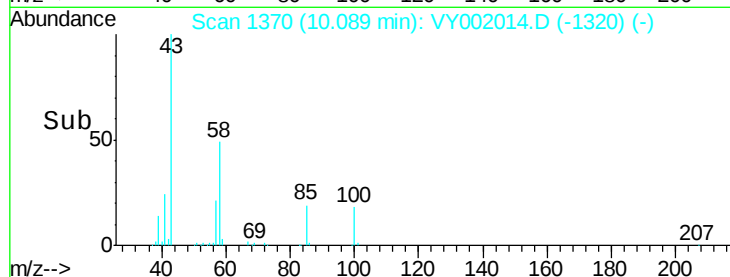
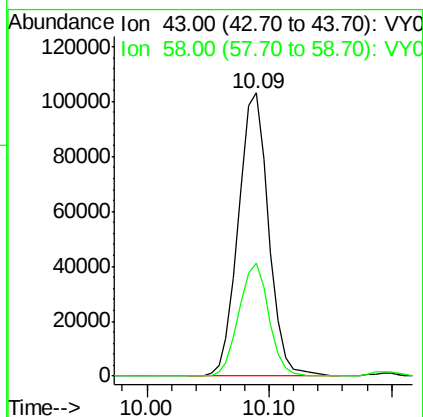
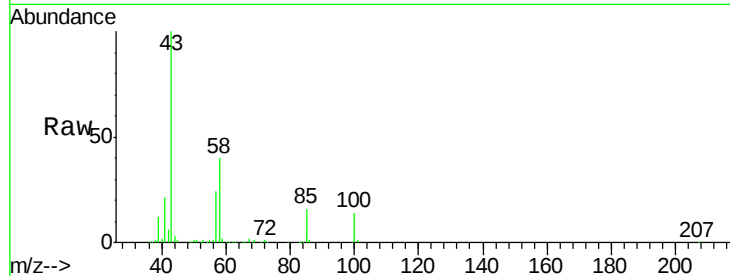
#51
4-Methyl-2-Pentanone
Concen: 116.017 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	43	58	Ratio	Lower	Upper
176705	100	39.7		32.0	48.0

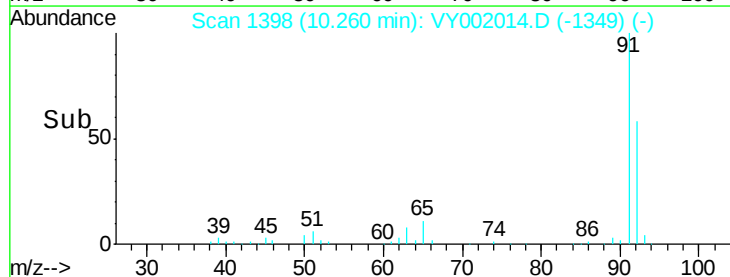
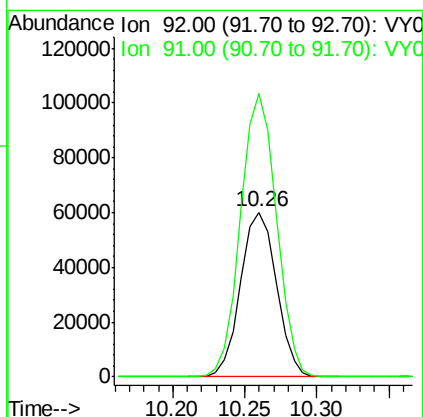
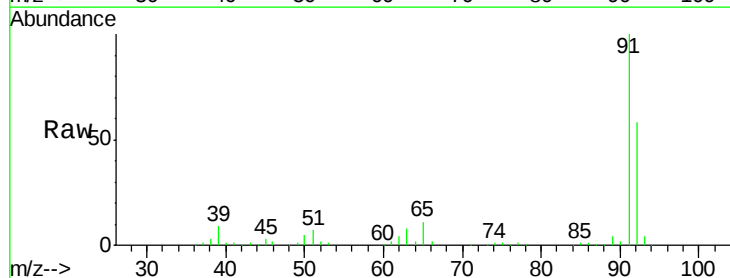
Manual Integrations
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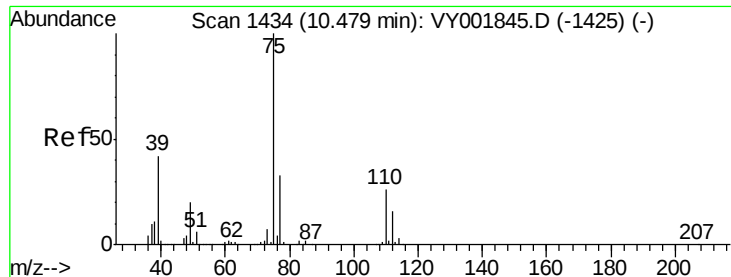
MMDadoda
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#52
Toluene
Concen: 21.581 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	92	91	Ratio	Lower	Upper
104422	100	171.5		138.6	208.0





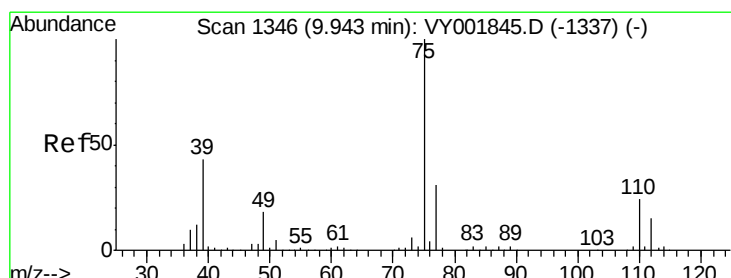
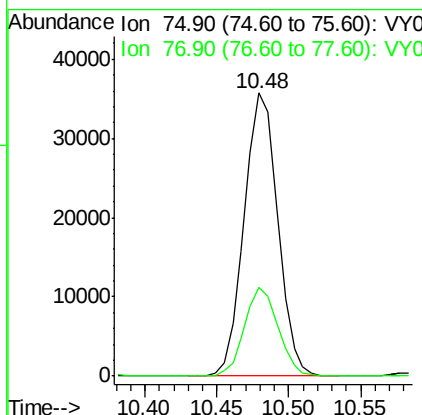
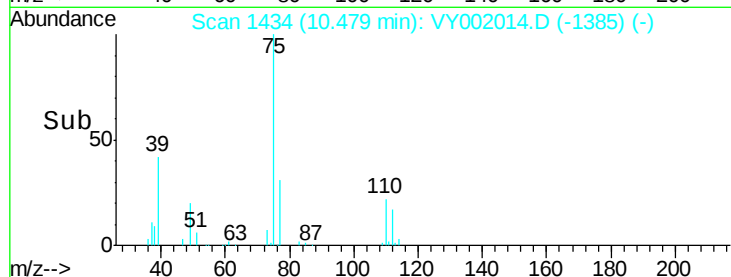
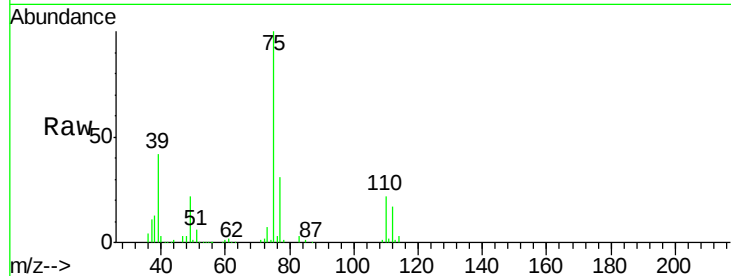
#53
t-1,3-Dichloropropene
Concen: 22.082 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 75 Resp: 57746
Ion Ratio Lower Upper
75 100
77 31.3 26.3 39.5

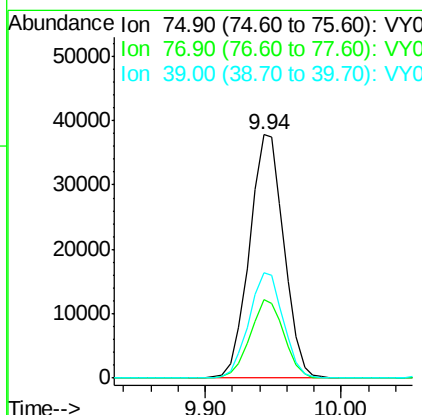
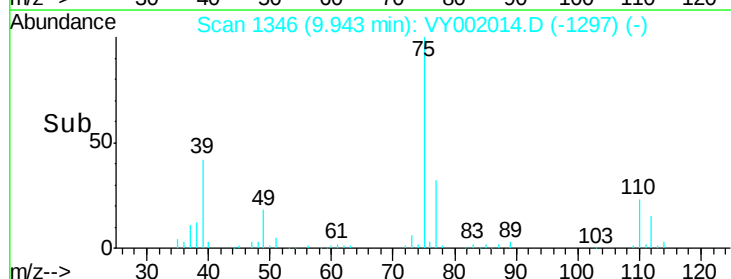
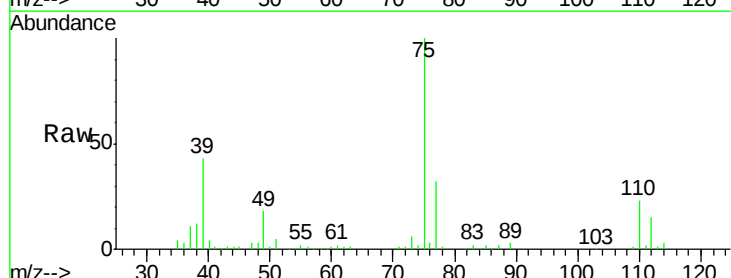
Manual Integrations
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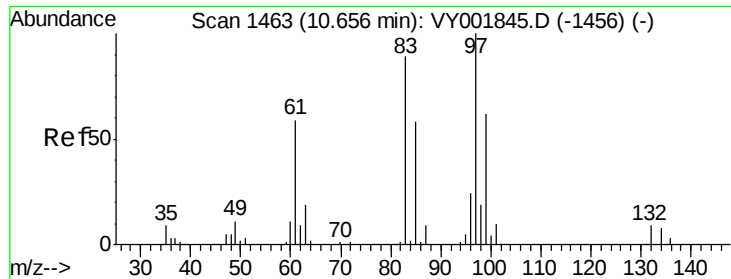
MMDadoda
3/20/2020 12:06:13 PM



#54
cis-1,3-Dichloropropene
Concen: 21.515 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 75 Resp: 66979
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 43.3 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.927 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

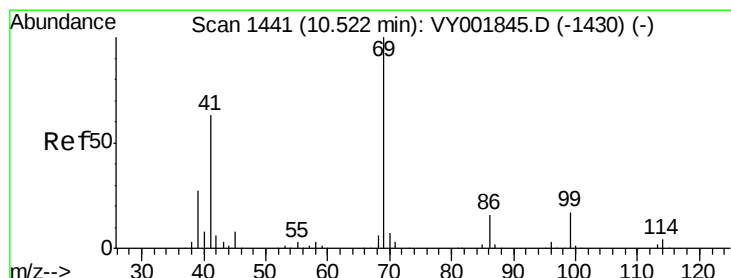
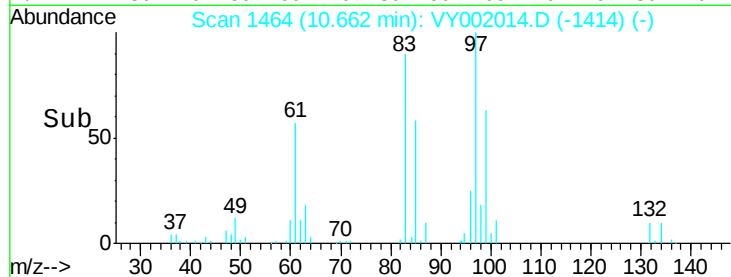
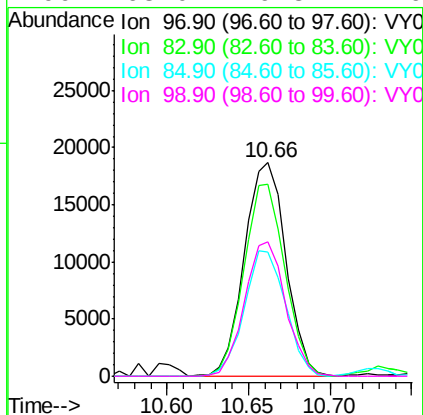
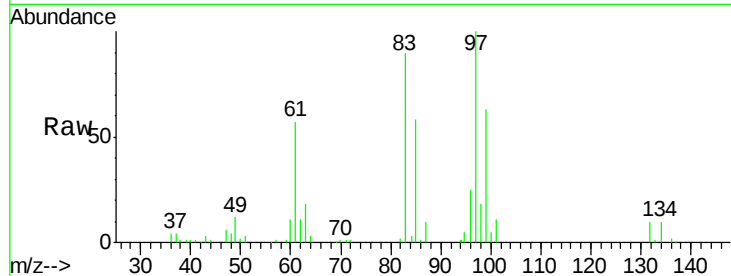
ClientSampleId :

VY0319SBS01

Tot Ion:	97	Resp:	33111
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.6	107.4
85	58.1	46.6	69.8
99	63.0	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.621 ug/l

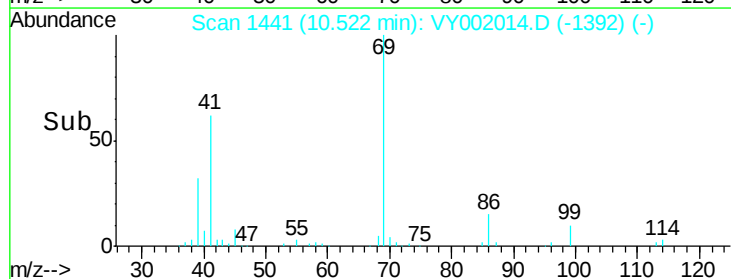
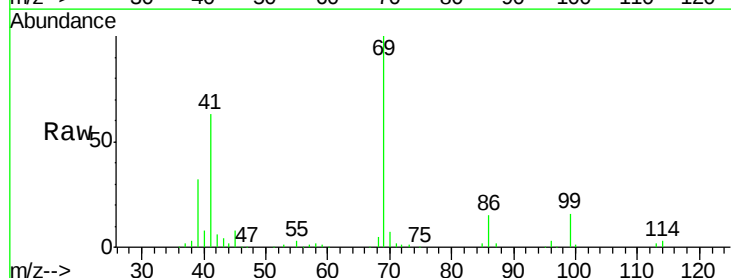
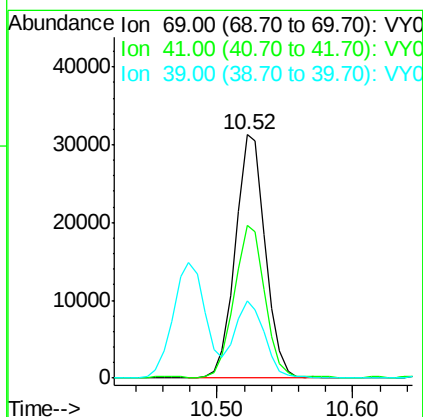
RT: 10.52 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	69	Resp:	47856
Ion	Ratio	Lower	Upper
69	100		
41	64.2	49.9	74.9
39	31.9	23.0	34.6





#57

1,3-Dichloropropane

Concen: 21.843 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 76 Resp: 58796

Ion Ratio Lower Upper

76 100

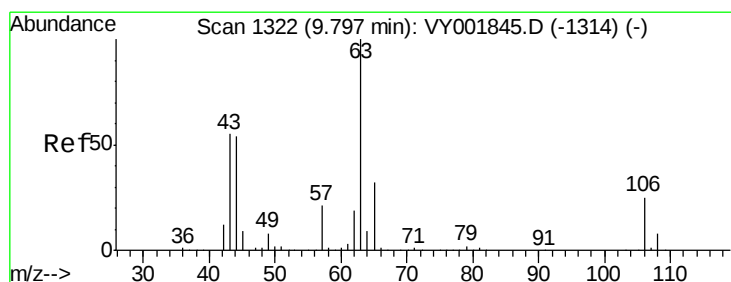
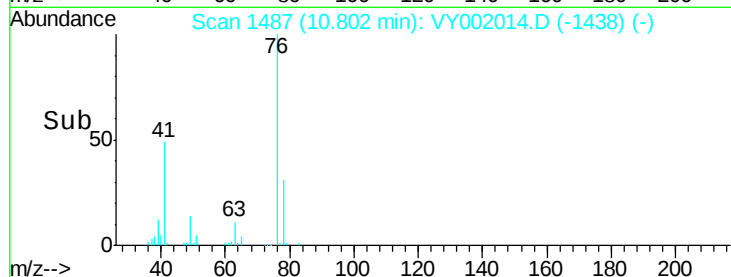
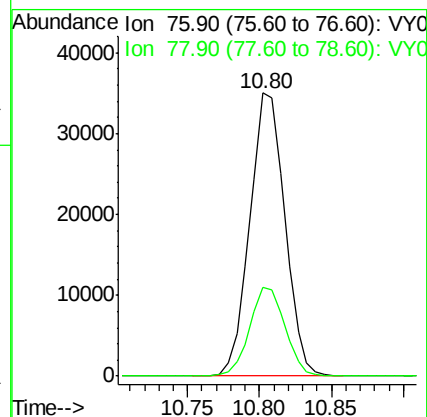
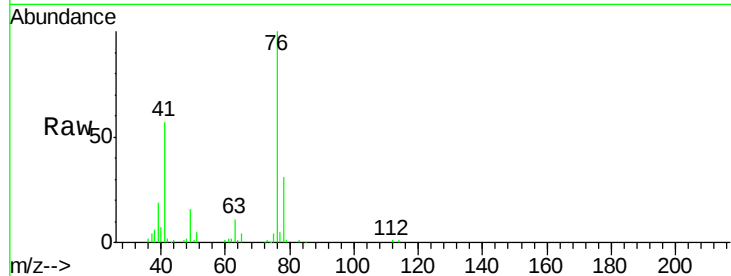
78 31.6 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 143.134 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002014.D

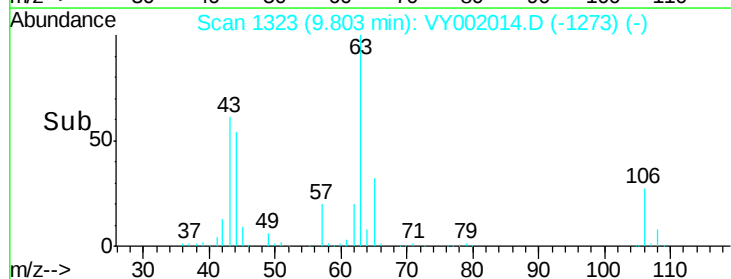
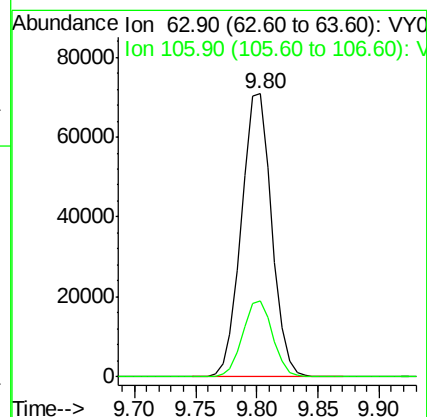
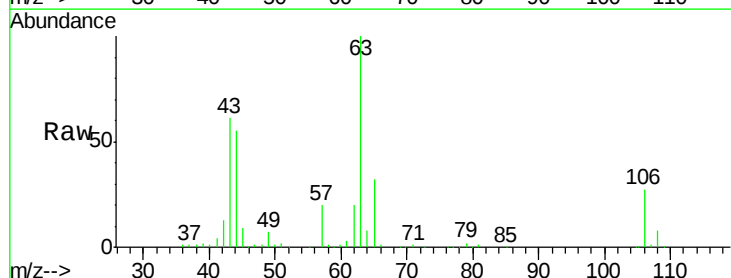
Acq: 19 Mar 2020 12:31

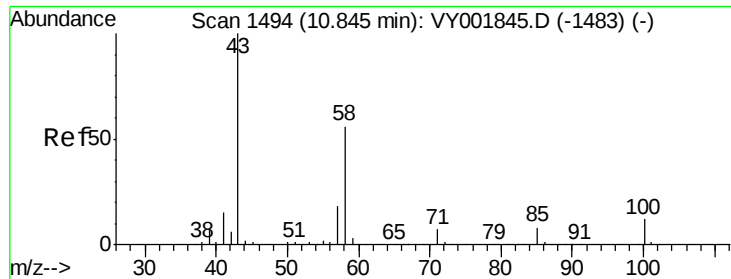
Tgt Ion: 63 Resp: 121383

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9





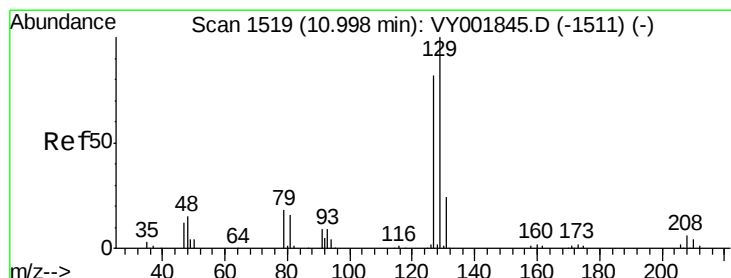
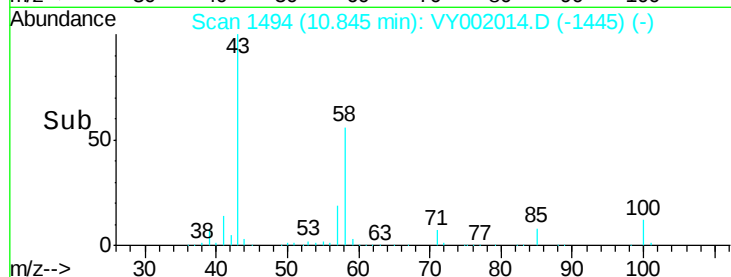
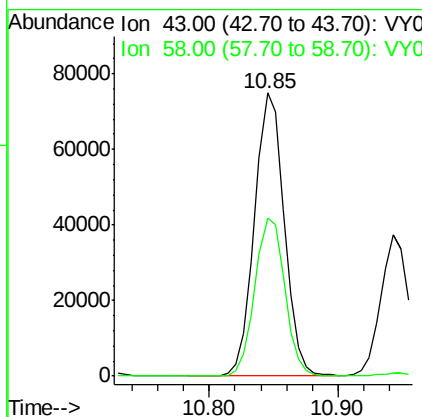
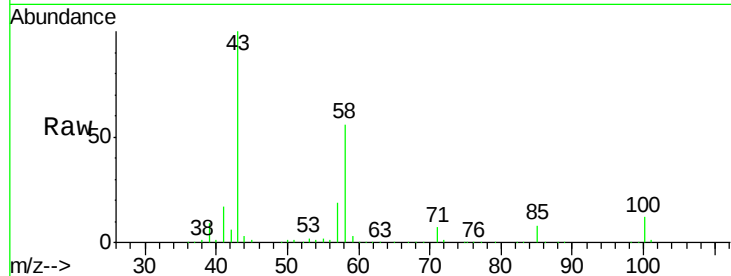
#59
2-Hexanone
Concen: 109.565 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 43 Resp: 119109
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

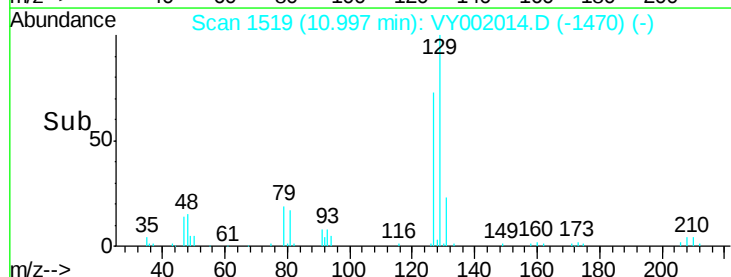
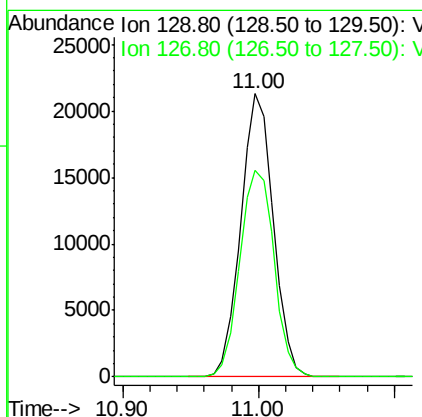
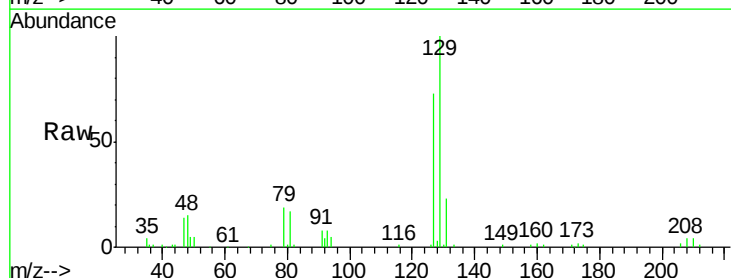
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#60
Dibromochloromethane
Concen: 22.334 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:129 Resp: 35538
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0





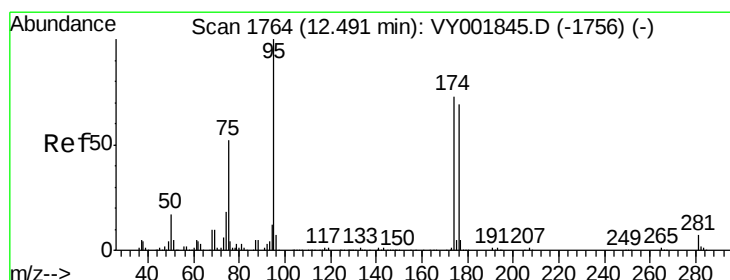
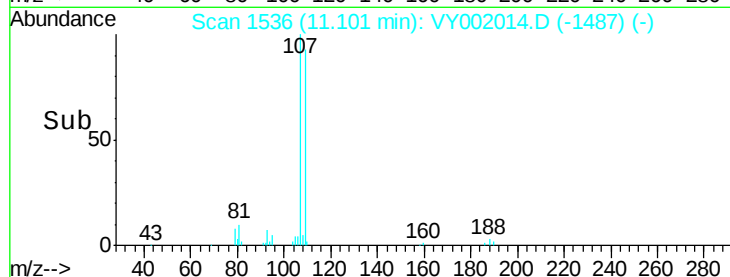
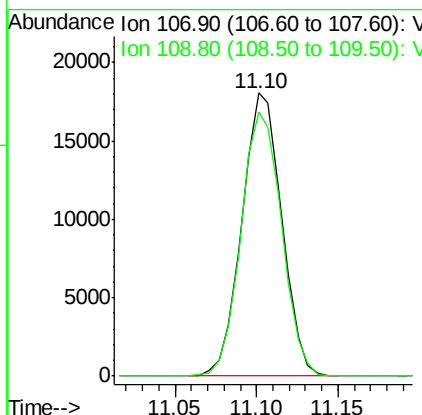
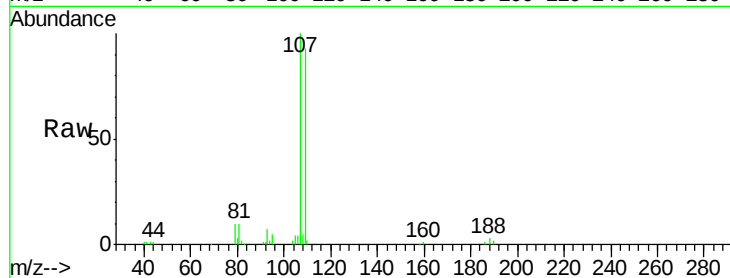
#61
 1,2-Dibromoethane
 Concen: 21.442 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion: 107 Resp: 30671
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0

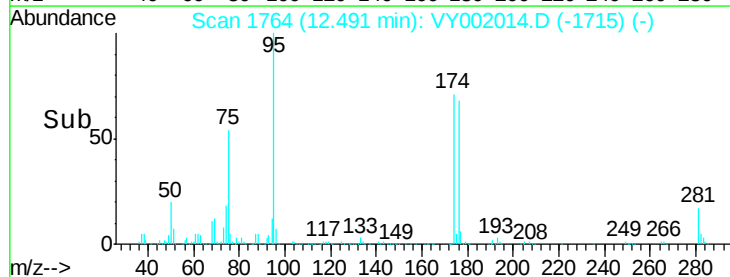
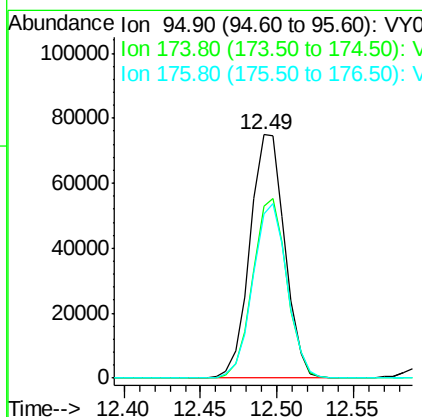
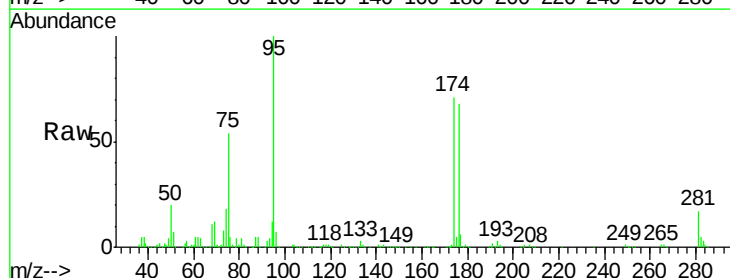
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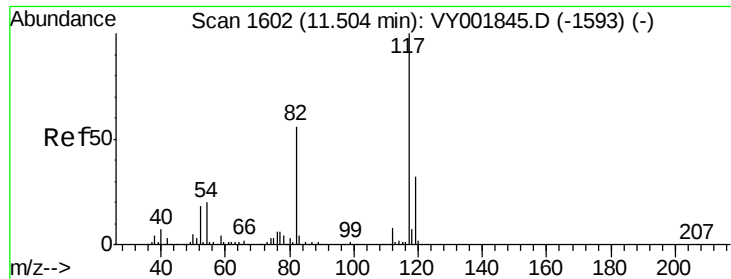
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#62
 4-Bromofluorobenzene
 Concen: 52.980 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 95 Resp: 118455
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 145.0
 176 70.7 0.0 137.4





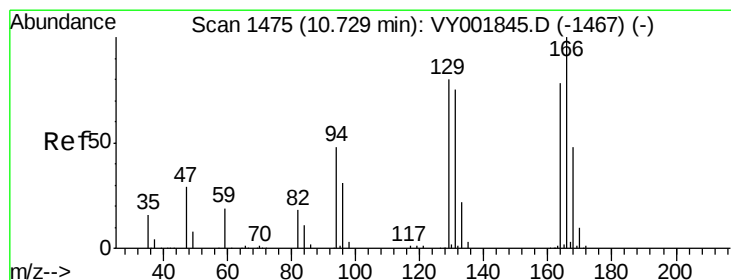
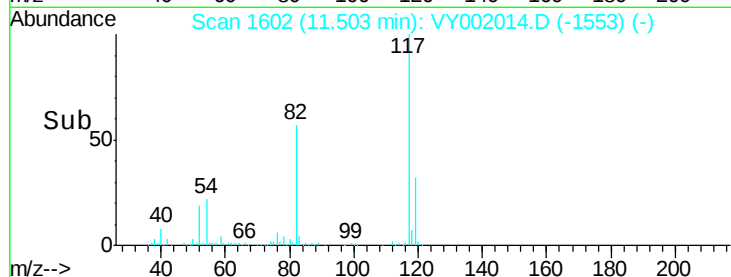
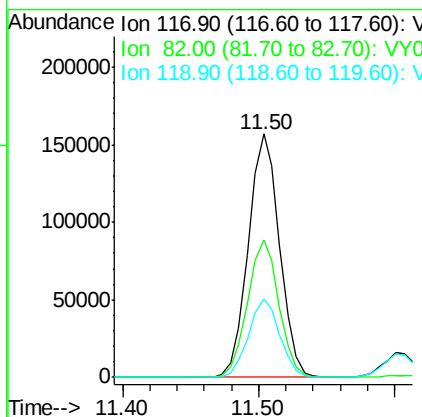
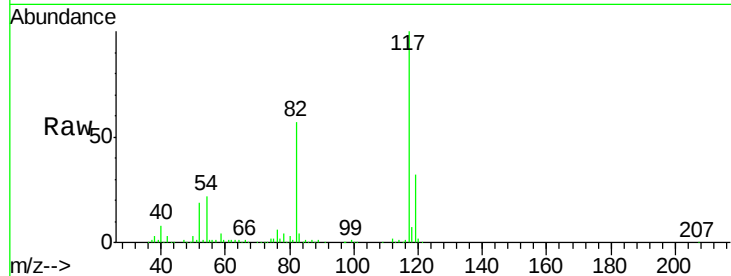
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252058		
82	56.6		44.5	66.7
119	32.0		25.7	38.5

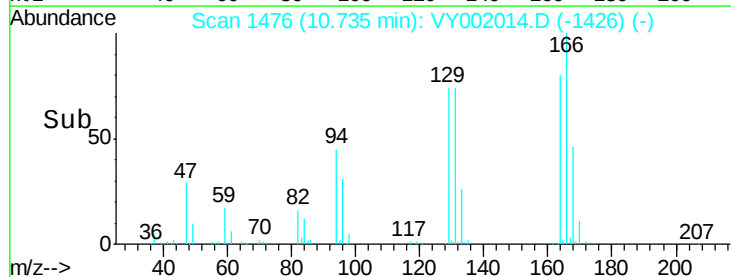
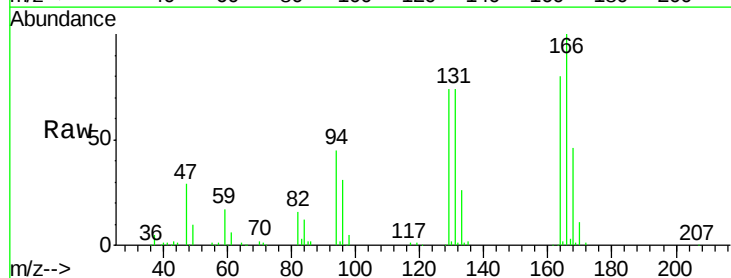
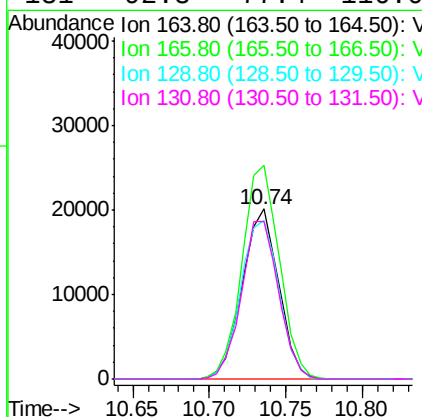
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#64
Tetrachloroethene
Concen: 21.081 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33323		
166	125.7		102.6	154.0
129	93.3		82.3	123.5
131	92.8		77.4	116.0





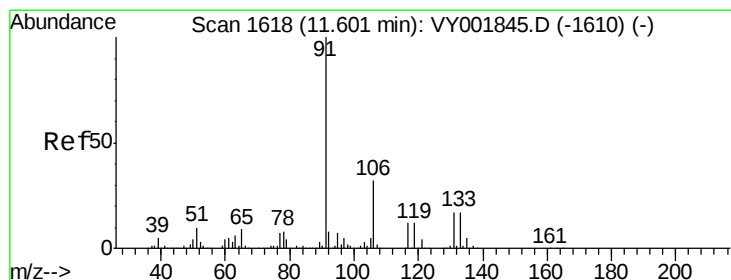
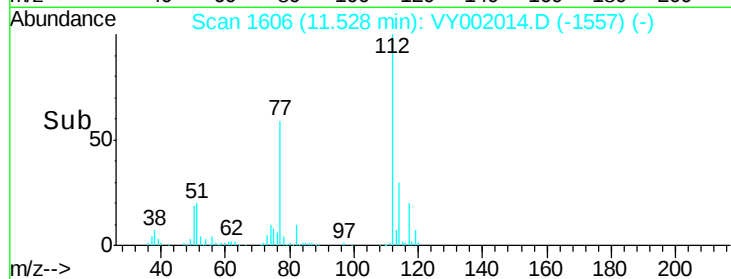
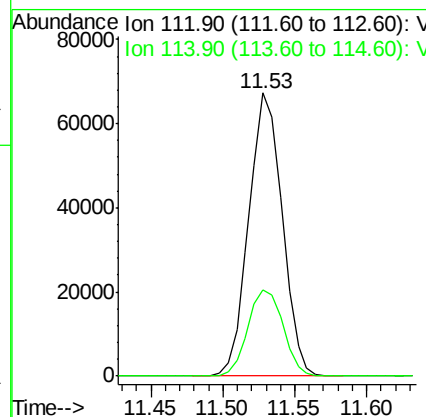
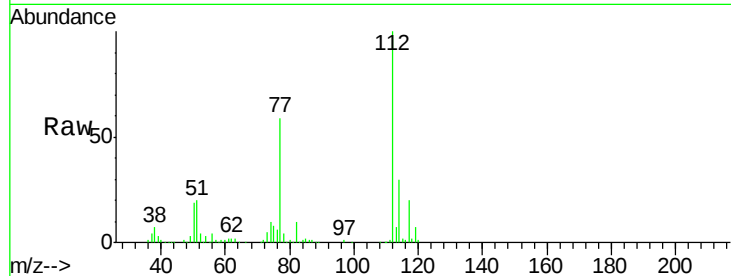
#65
Chlorobenzene
Concen: 21.506 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	108012		
114	30.4	25.9	38.9	

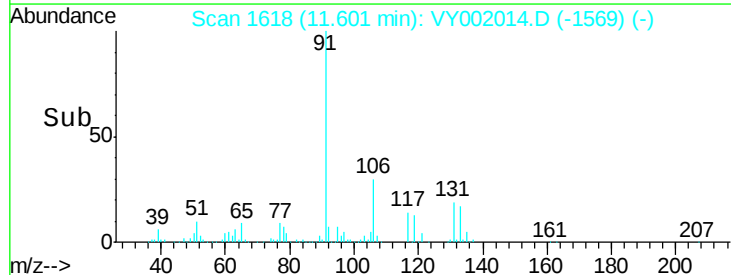
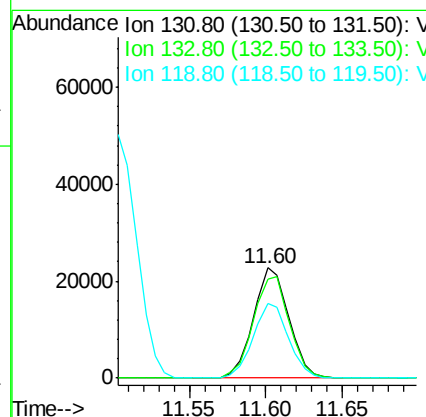
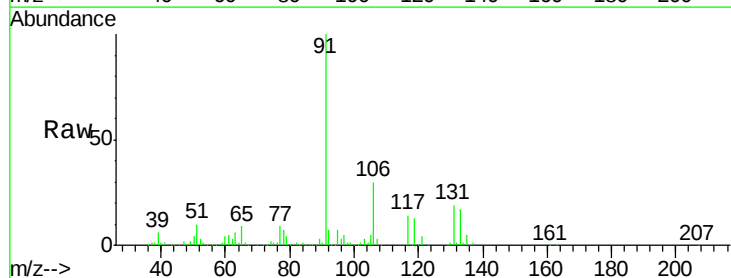
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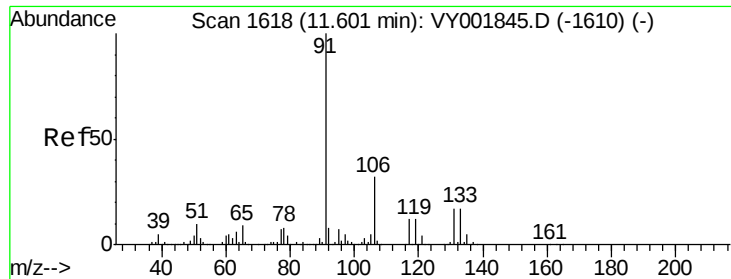
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.259 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	36661		
133	94.1	47.1	141.3	
119	68.0	34.5	103.6	





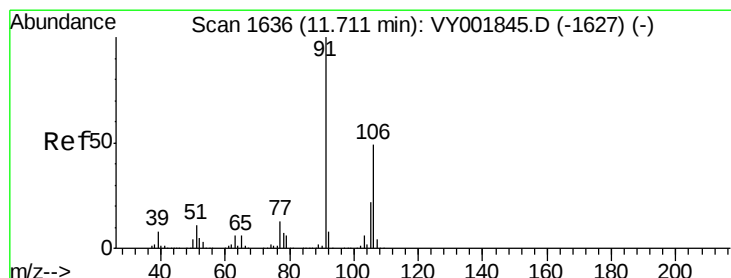
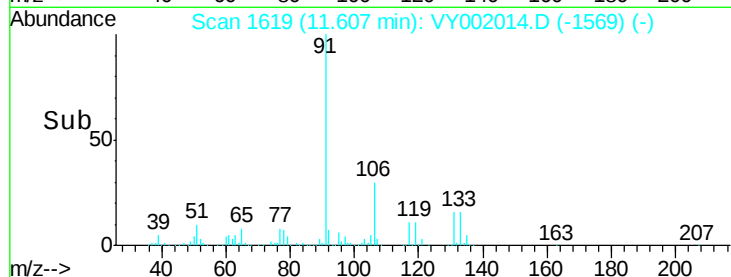
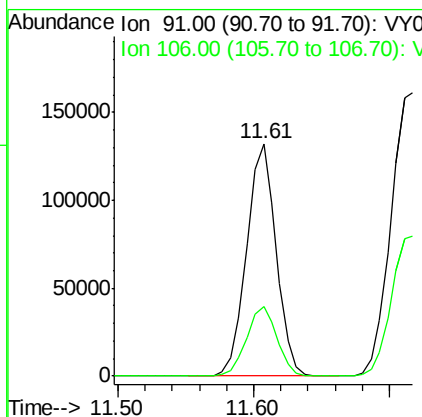
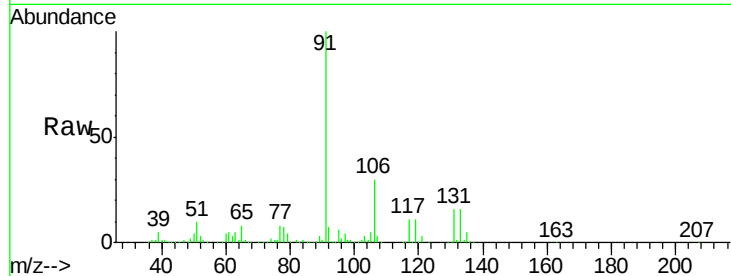
#67
Ethyl Benzene
Concen: 21.416 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	91	Resp	200598
Ion Ratio	100	Lower	Upper
106	29.7	25.4	38.2

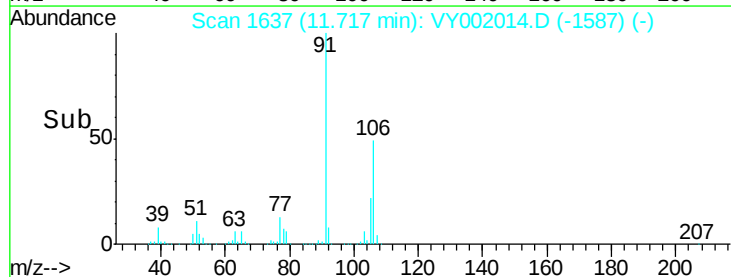
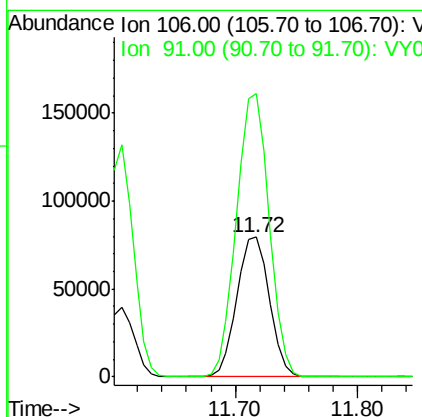
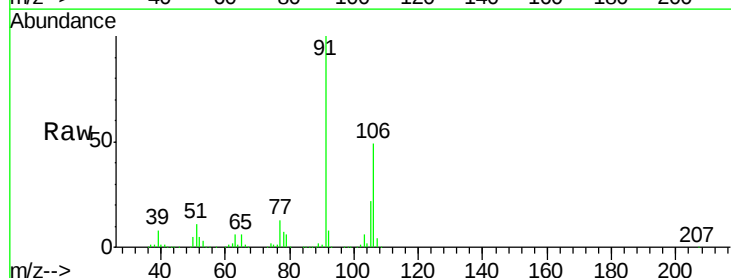
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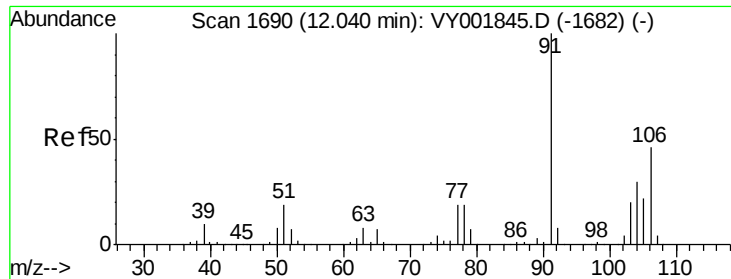
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#68
m/p-Xylenes
Concen: 42.315 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	106	Resp	146533
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	203.8	161.3	241.9





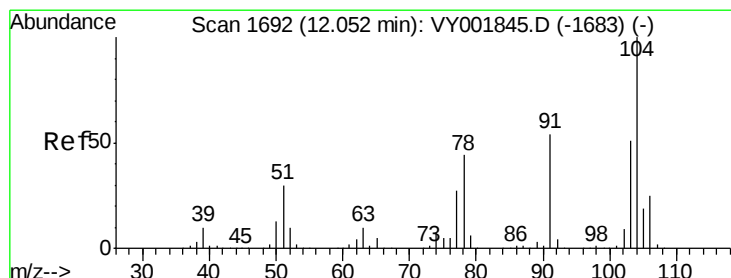
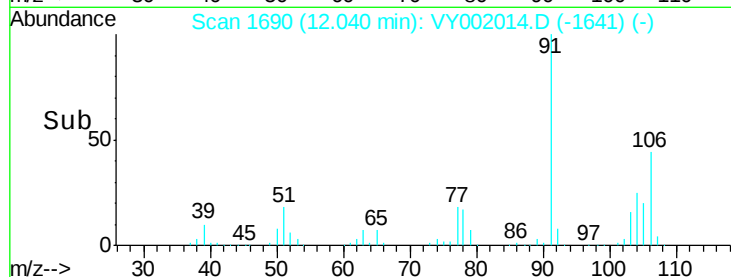
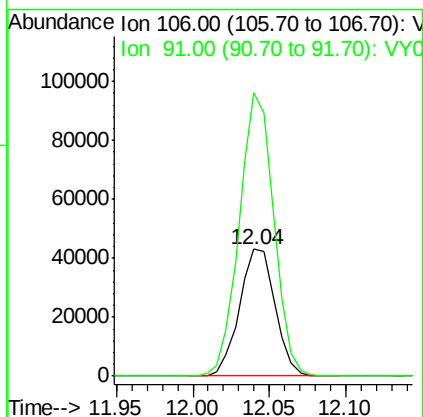
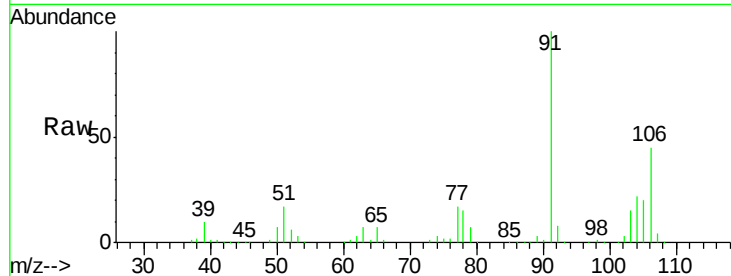
#69
o-Xylene
Concen: 21.405 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion:106 Resp: 69865
Ion Ratio Lower Upper
106 100
91 215.4 106.8 320.4

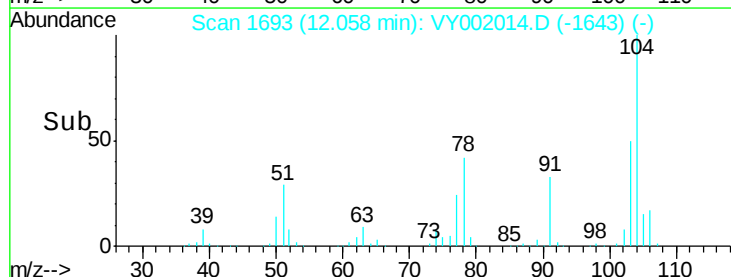
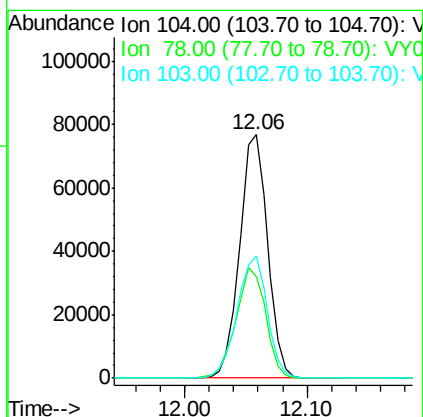
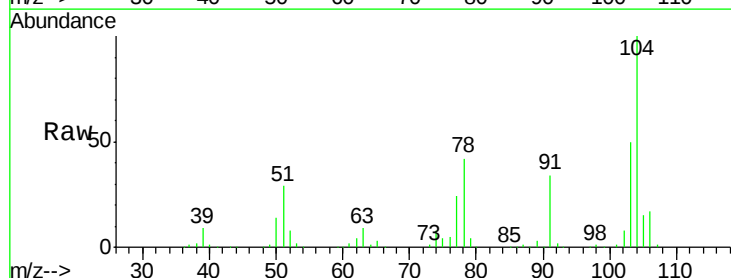
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#70
Styrene
Concen: 21.748 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:104 Resp: 121576
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 53.6 42.9 64.3





#71

Bromoform

Concen: 21.963 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

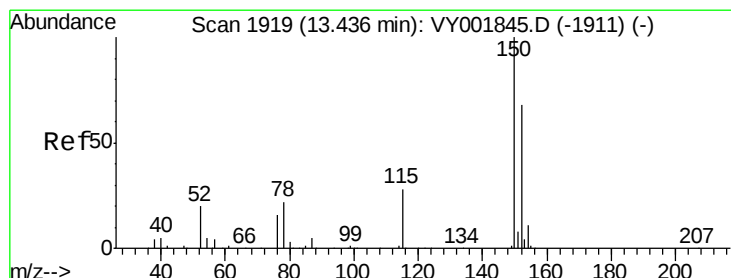
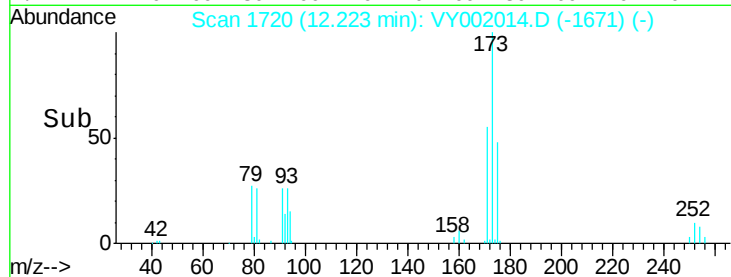
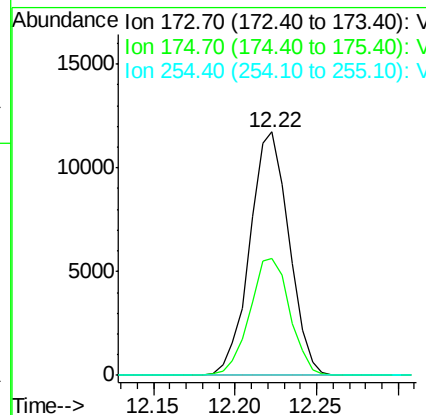
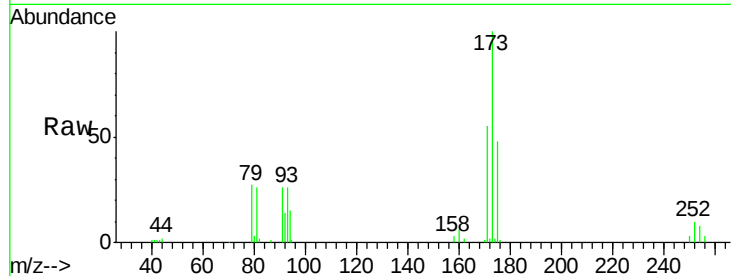
ClientSampleId :

VY0319SBS01

Tot Ion:	173	Resp:	19617
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

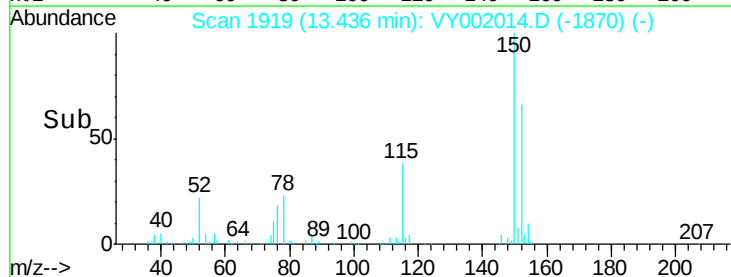
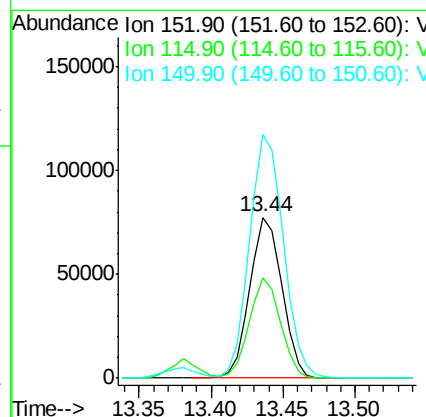
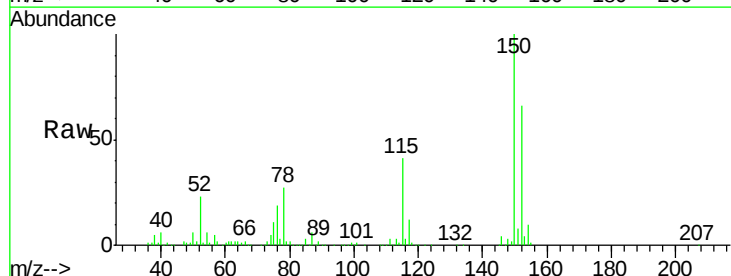
RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	152	Resp:	119053
Ion Ratio	Lower	Upper	
152	100		
115	60.7	29.9	89.7
150	161.1	0.0	340.6





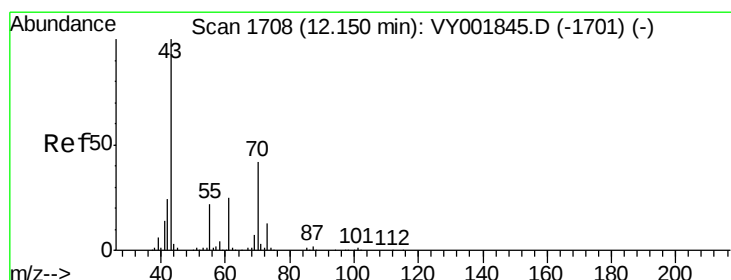
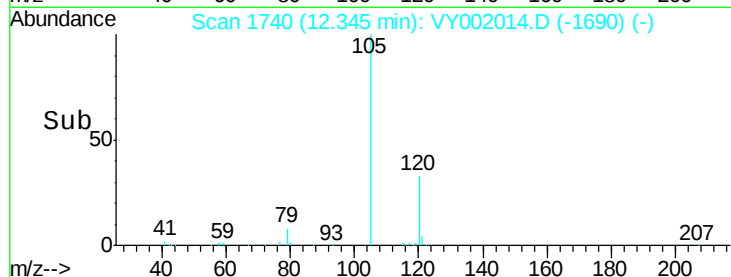
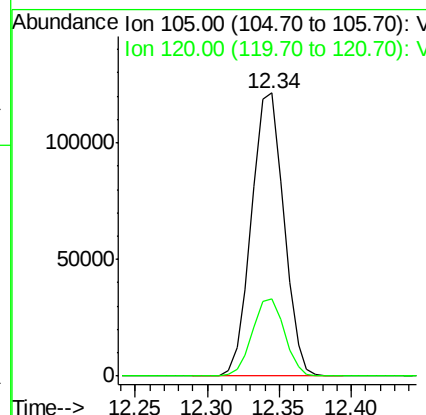
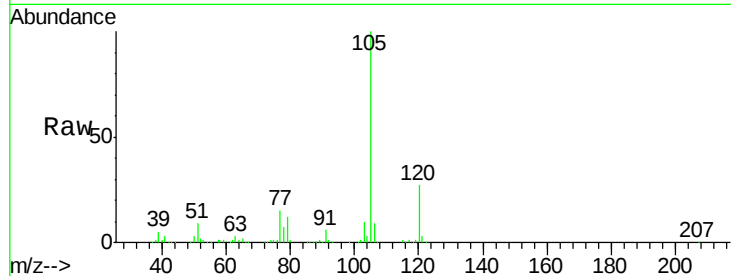
#73
Isopropylbenzene
Concen: 20.720 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	188304		
120	27.1	13.1	39.3	

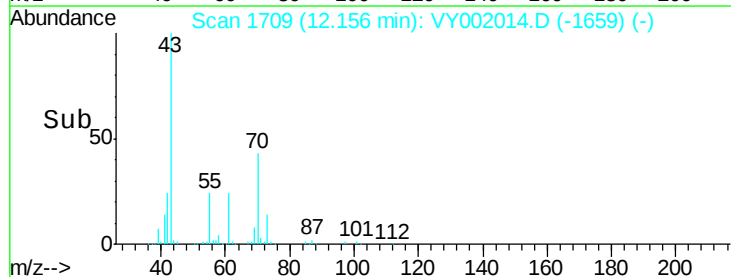
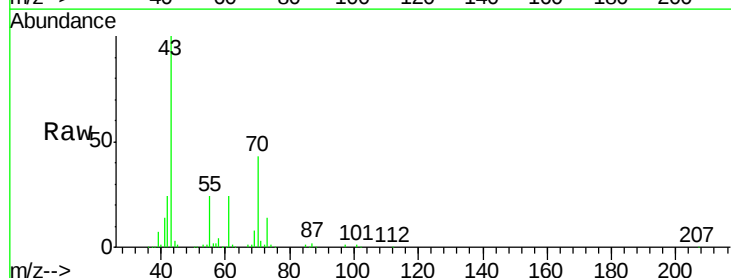
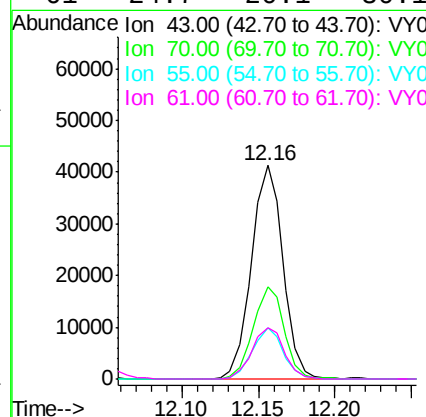
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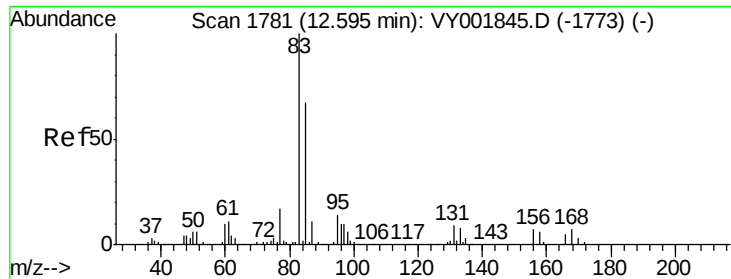
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#74
N-ethyl acetate
Concen: 21.141 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	59052		
70	42.9	34.7	52.1	
55	23.4	18.2	27.4	
61	24.7	20.1	30.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.144 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

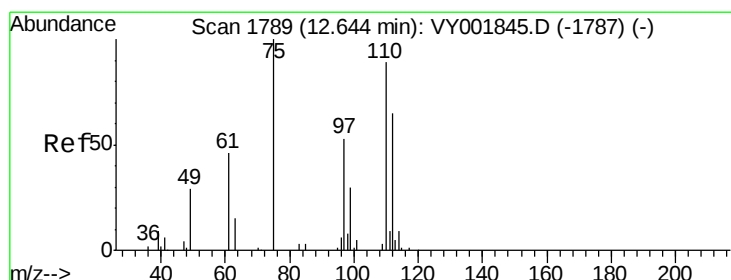
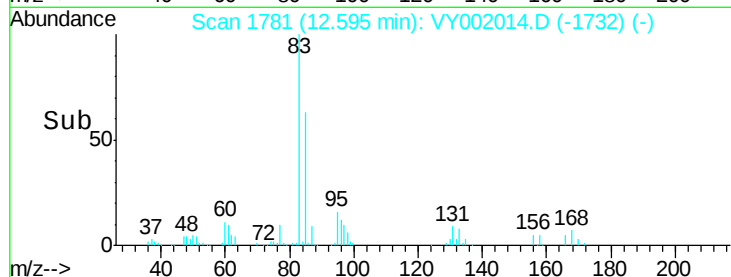
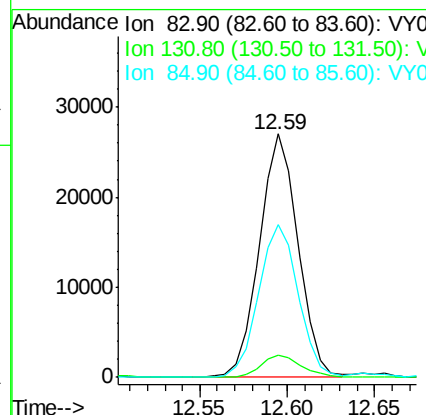
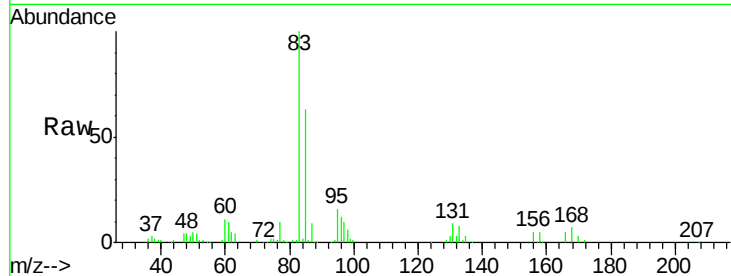
ClientSampleId :

VY0319SBS01

Tot Ion:	83	Resp:	41439
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.6	13.8
85	64.4	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 21.008 ug/l m

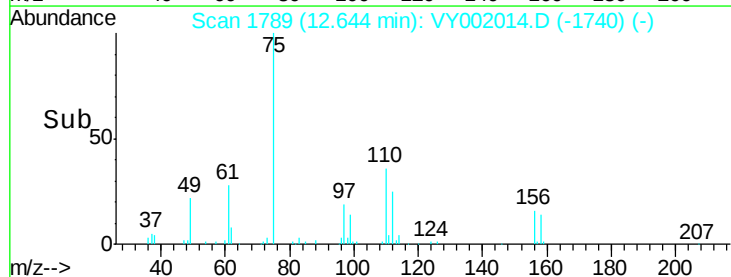
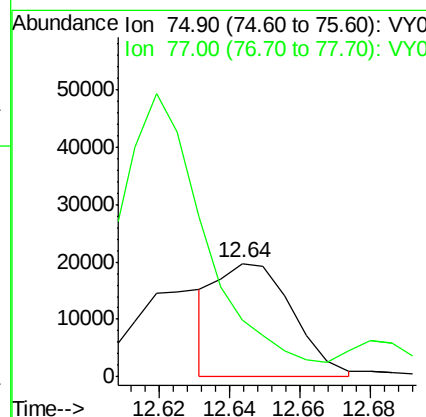
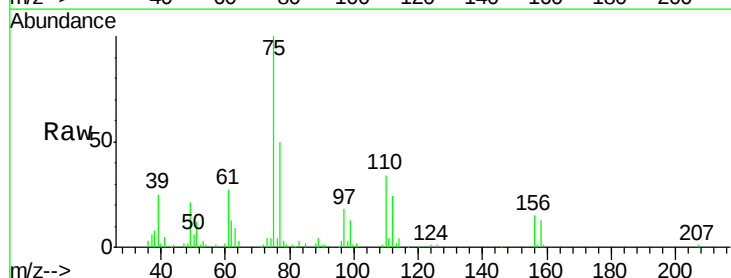
RT: 12.64 min Scan# 1789

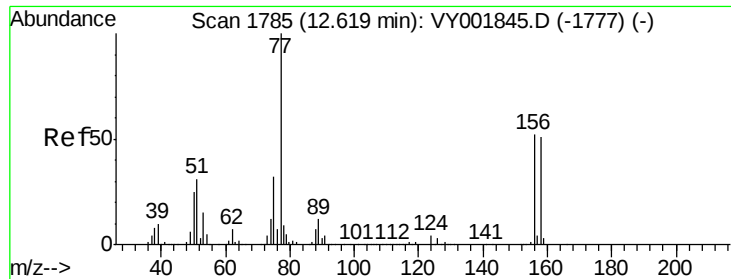
Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	75	Resp:	29677
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





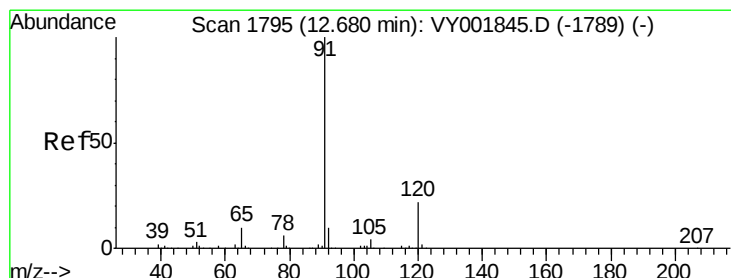
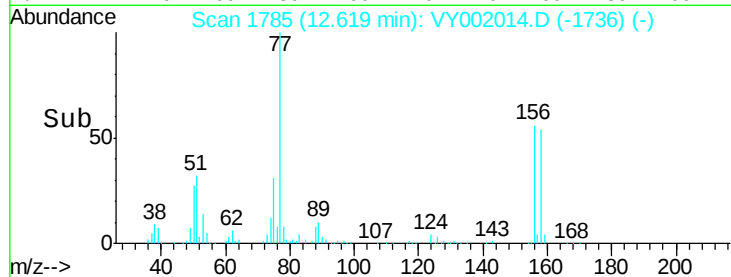
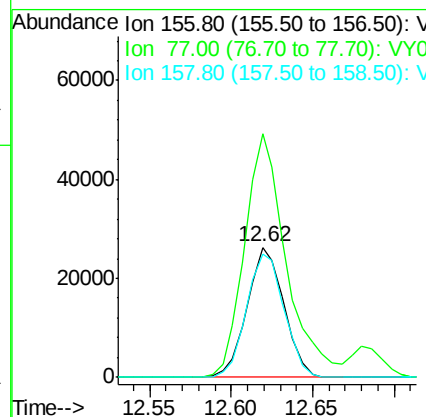
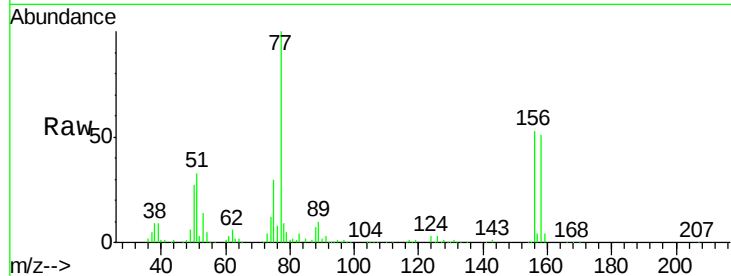
#77
Bromobenzene
Concen: 21.384 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.1	109.0	327.0
158	97.7	48.9	146.8

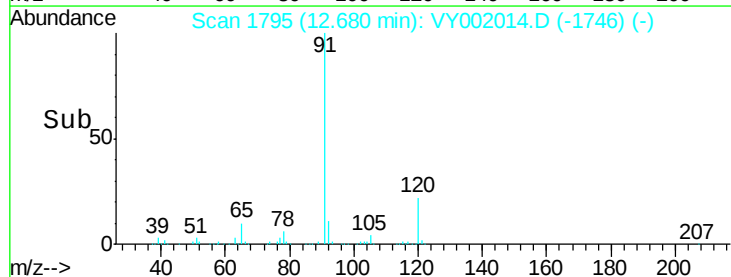
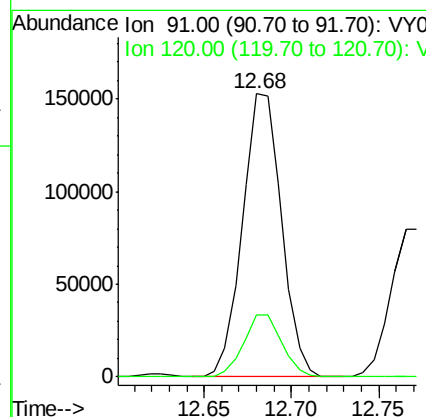
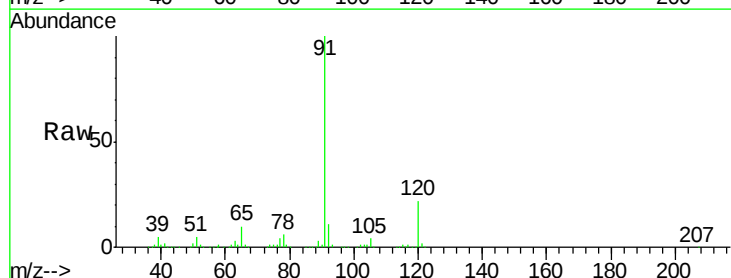
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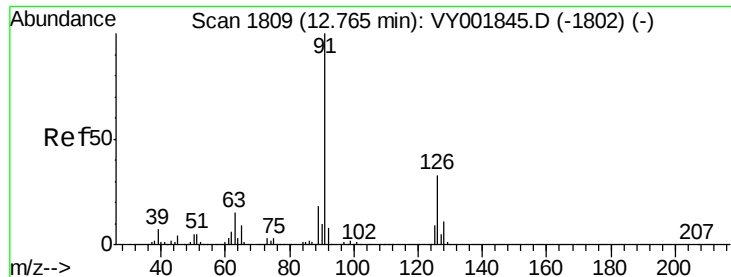
MMDadoda
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#78
n-propylbenzene
Concen: 21.117 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.787 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 91 Resp: 128764

Ion Ratio Lower Upper

91 100

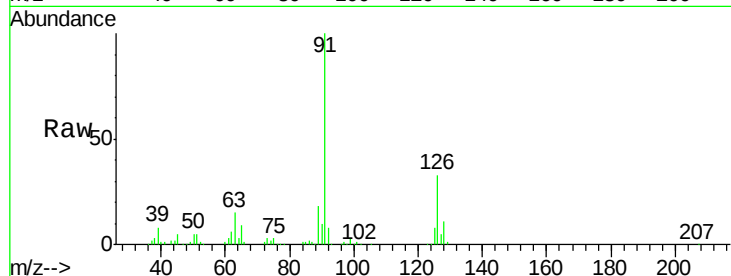
126 33.6 16.3 48.8

Manual Integrations

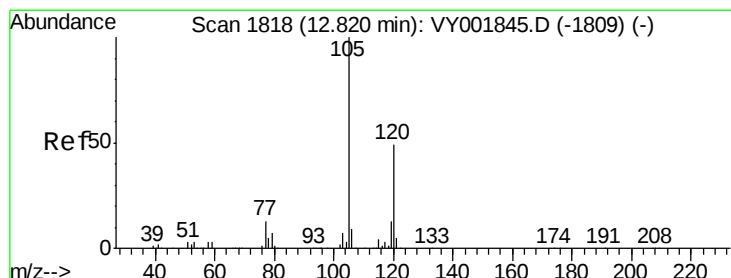
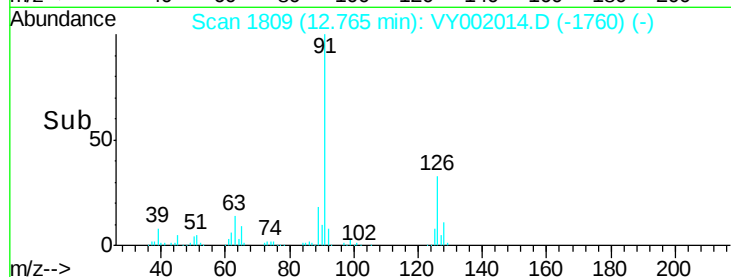
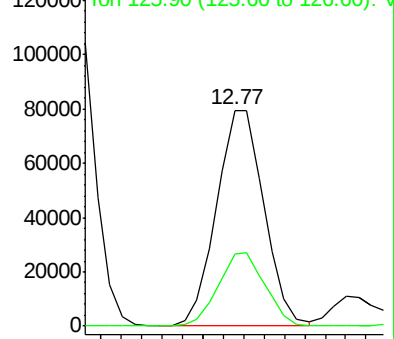
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Abundance Ion 91.00 (90.70 to 91.70): VY002014.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.214 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002014.D

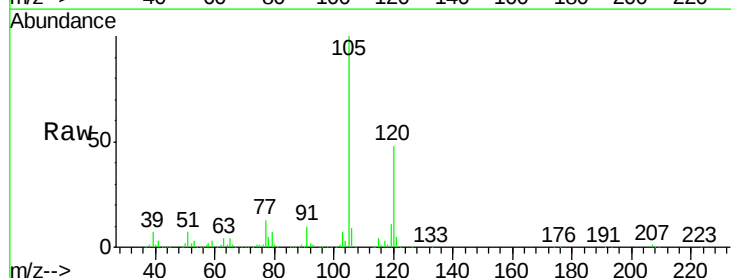
Acq: 19 Mar 2020 12:31

Tgt Ion: 105 Resp: 158718

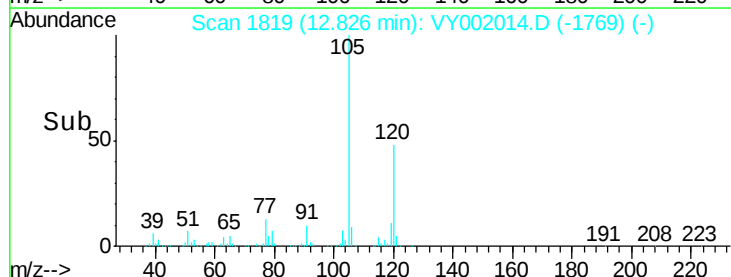
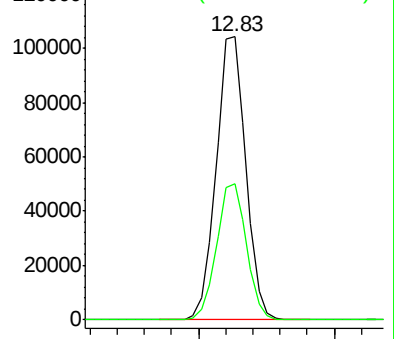
Ion Ratio Lower Upper

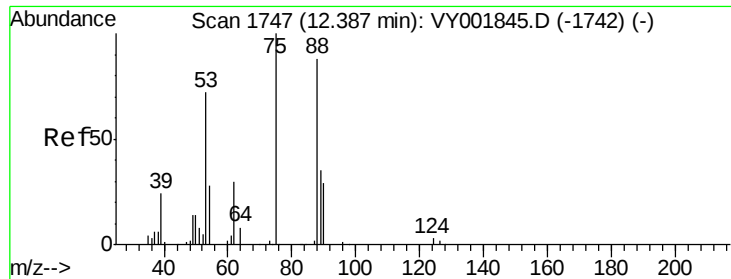
105 100

120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY002014.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.815 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

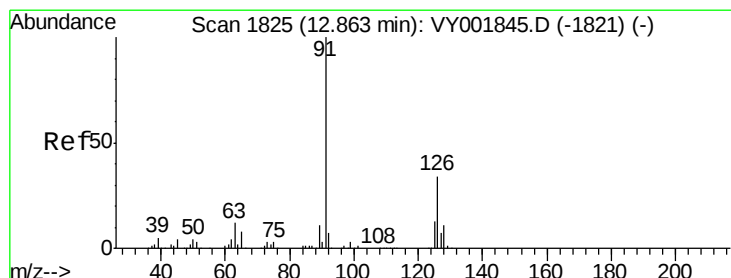
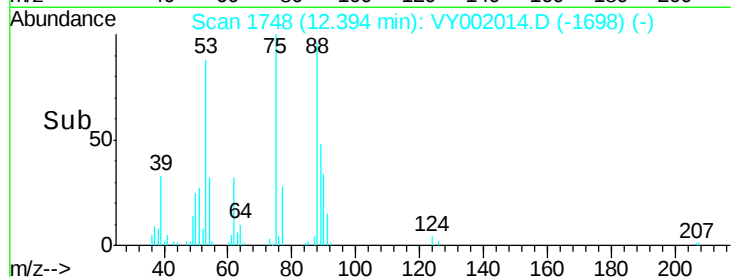
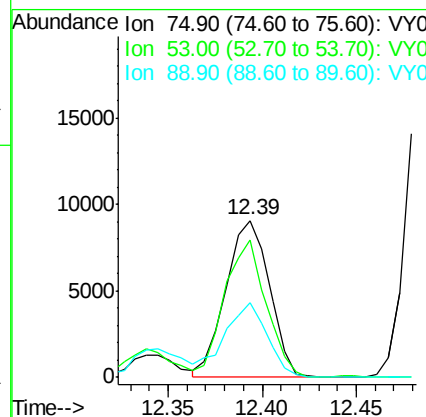
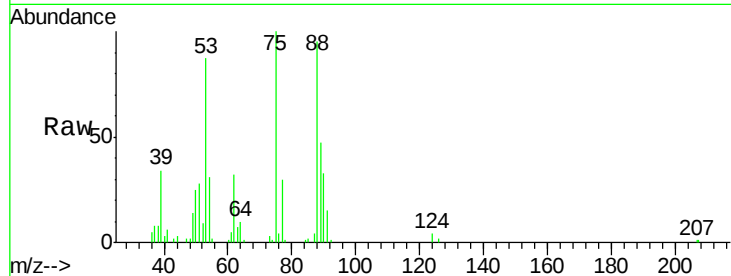
ClientSampleId :

VY0319SBS01

Tot Ion:	75	Resp:	14557
Ion Ratio	Lower	Upper	
75	100		
53	84.0	65.4	98.0
89	47.0	36.0	54.0

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#82

4-Chlorotoluene

Concen: 21.138 ug/l

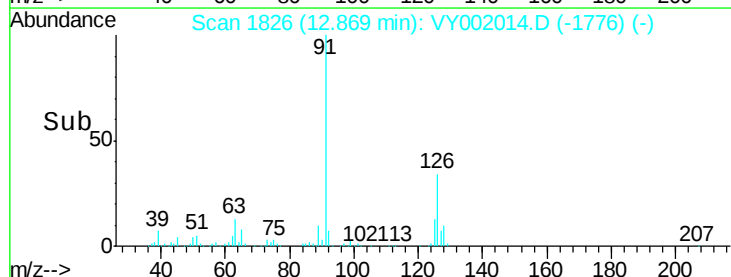
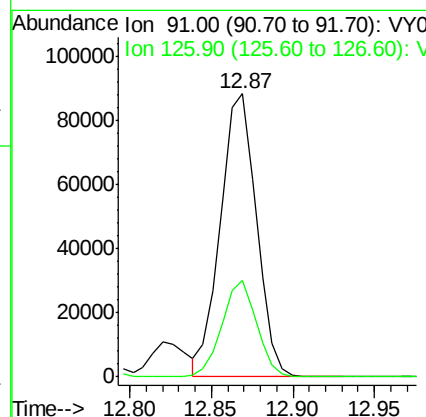
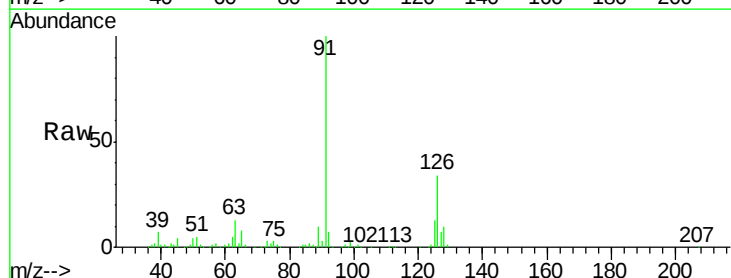
RT: 12.87 min Scan# 1826

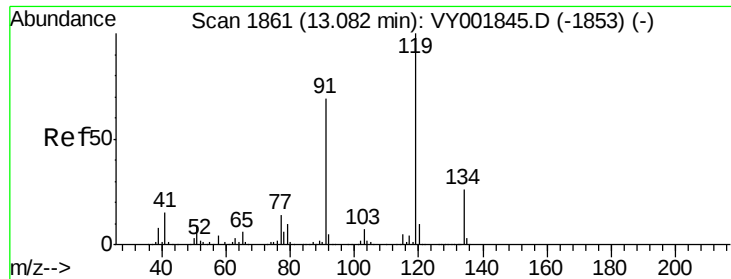
Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	91	Resp:	136336
Ion Ratio	Lower	Upper	
91	100		
126	32.8	16.4	49.2





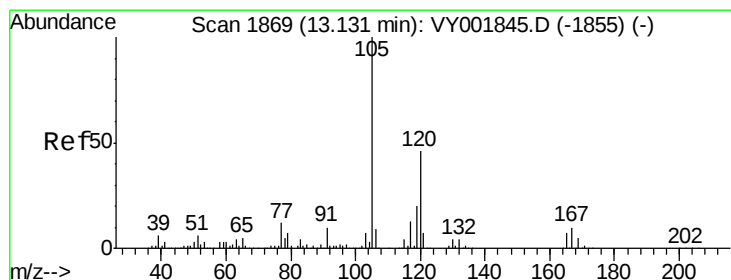
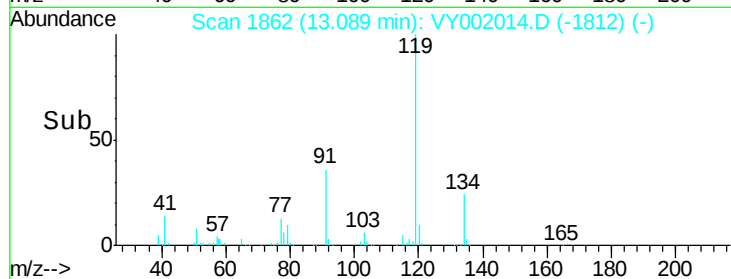
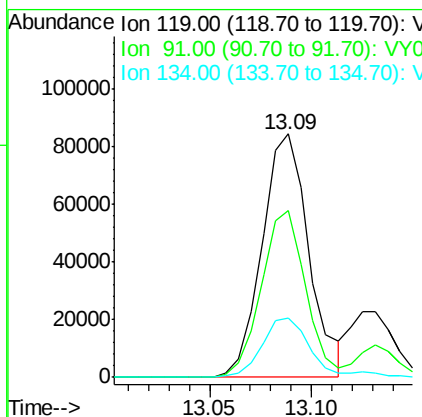
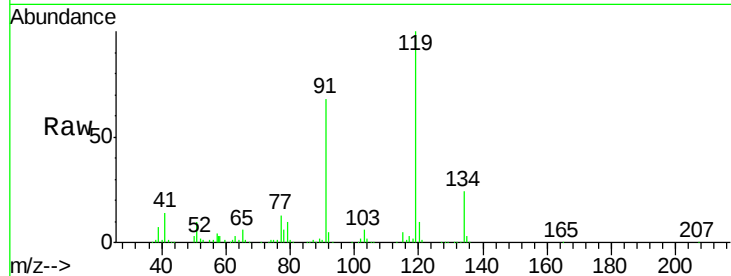
#83
tert-Butylbenzene
Concen: 21.749 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135152		
91	64.6	34.0	101.8	
134	25.9	13.5	40.4	

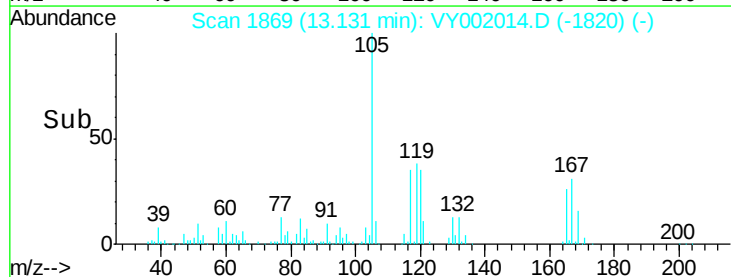
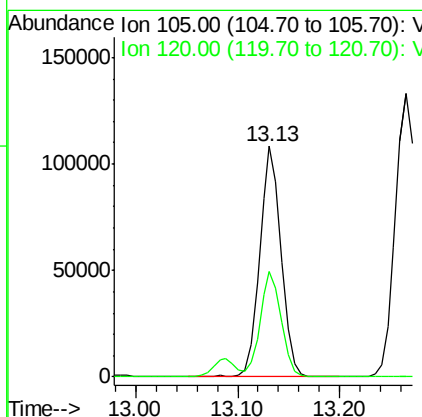
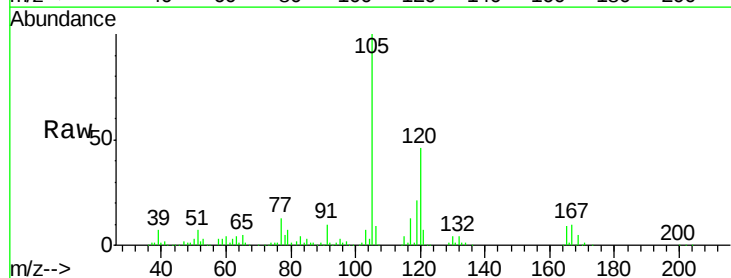
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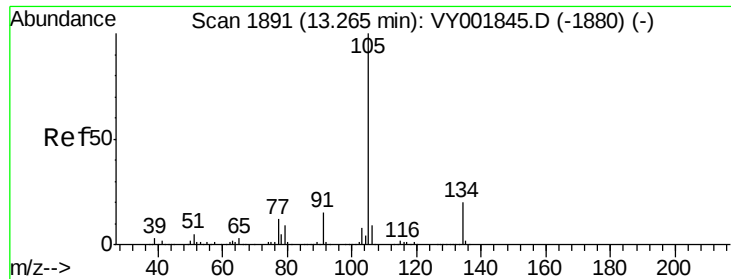
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#84
1,2,4-Trimethylbenzene
Concen: 21.362 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158616		
120	44.9	22.6	67.7	





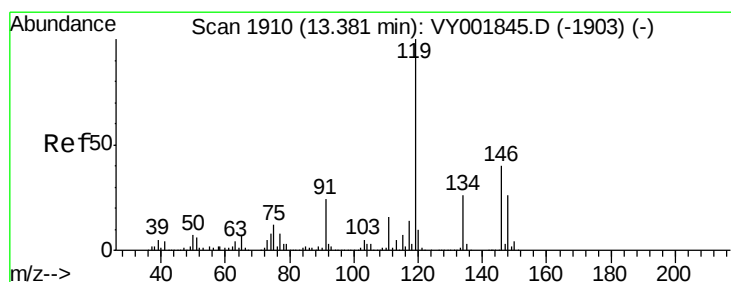
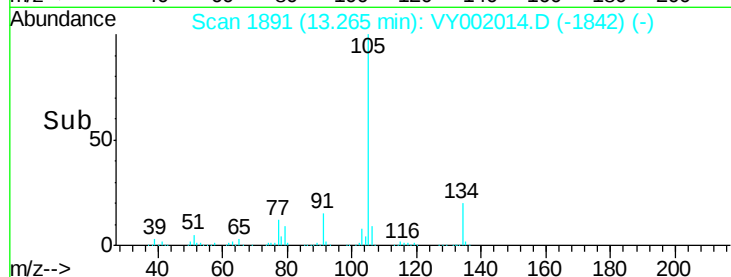
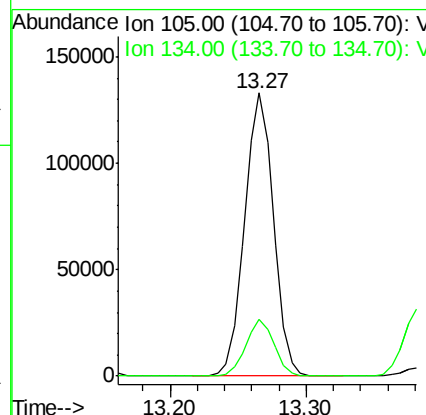
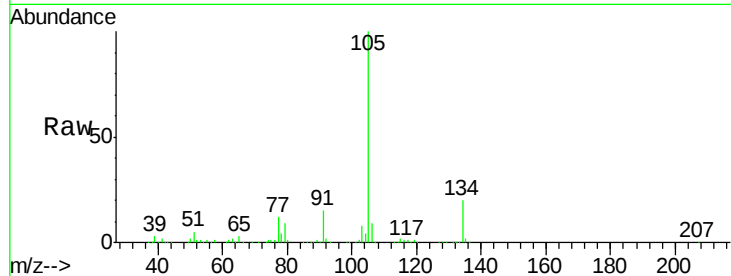
#85
 sec-Butylbenzene
 Concen: 21.441 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	196395		
134	19.7	9.7	29.1	

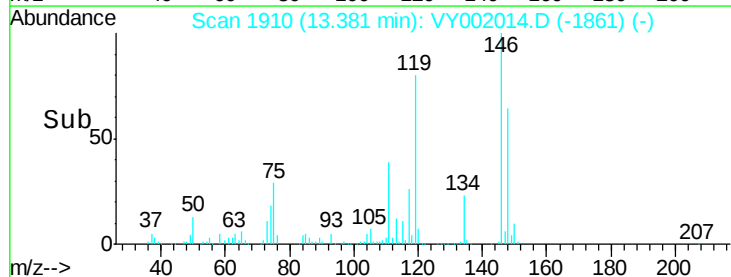
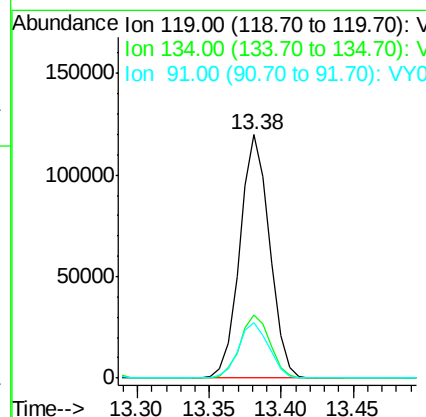
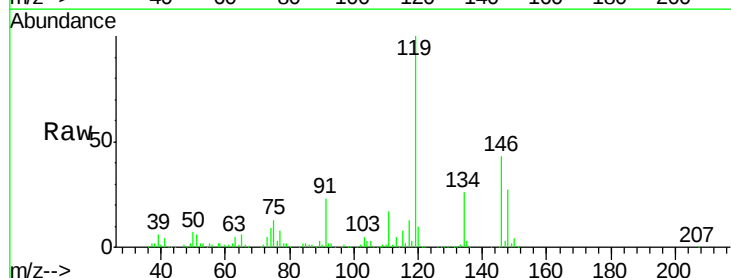
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#86
 p-Isopropyltoluene
 Concen: 21.750 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171859		
134	26.4	13.1	39.3	
91	23.4	11.9	35.7	





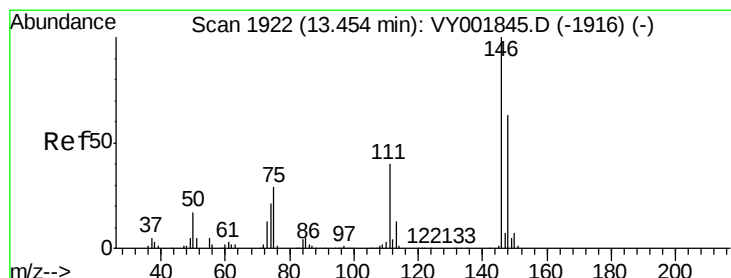
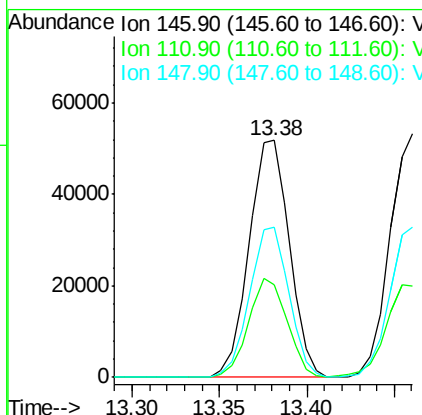
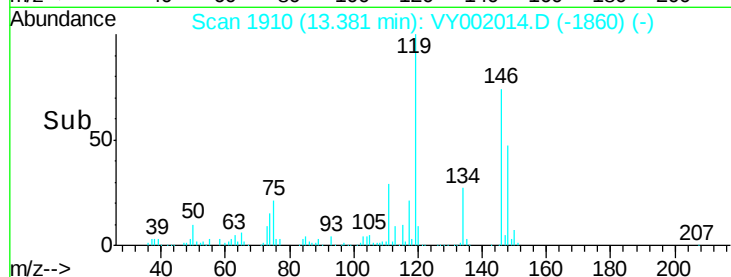
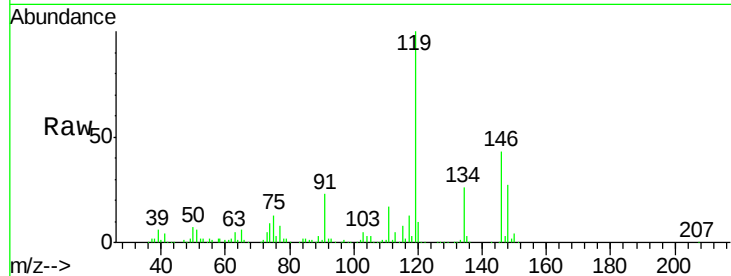
#87
 1,3-Dichlorobenzene
 Concen: 21.971 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.5
148	62.0	31.4	94.0

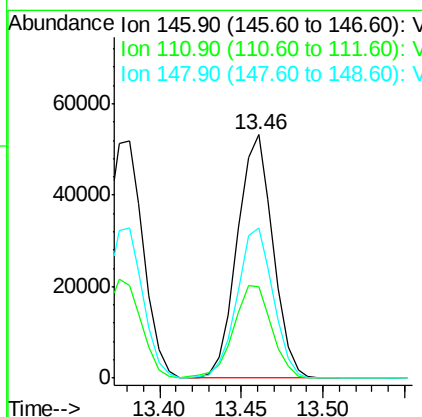
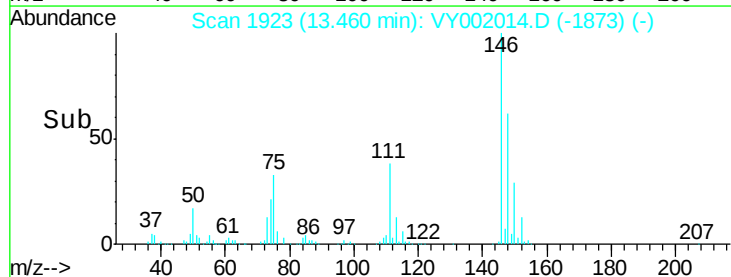
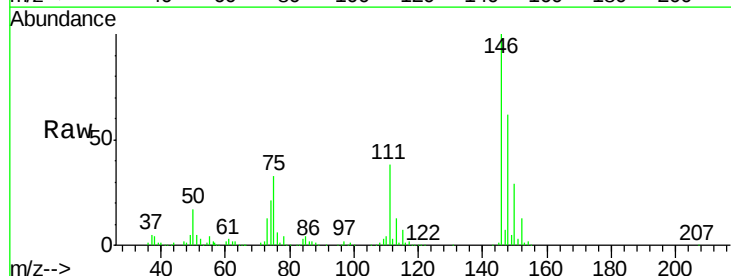
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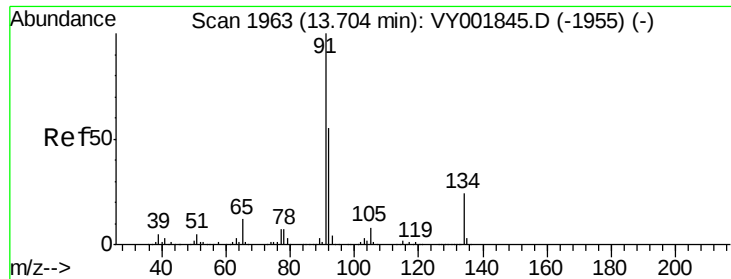
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#88
 1,4-Dichlorobenzene
 Concen: 21.190 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	62.5	31.5	94.5





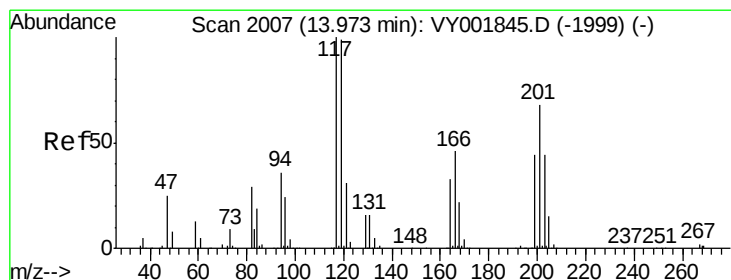
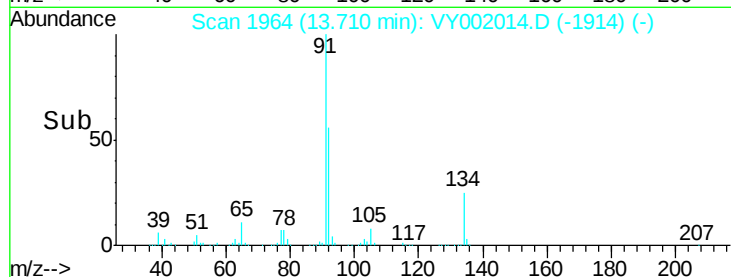
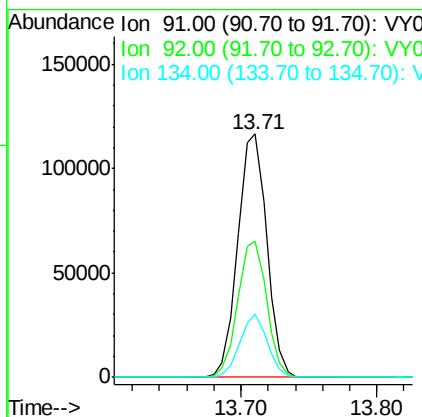
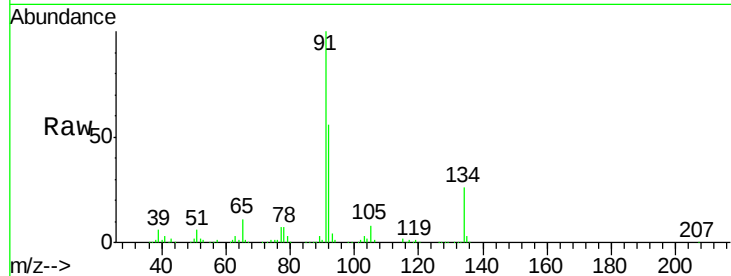
#89
n-Butylbenzene
Concen: 21.159 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.4
134	24.6	12.5	37.5

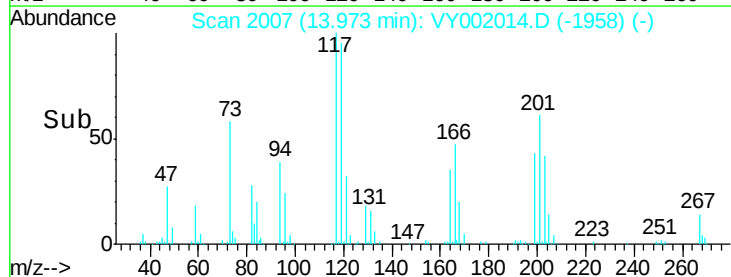
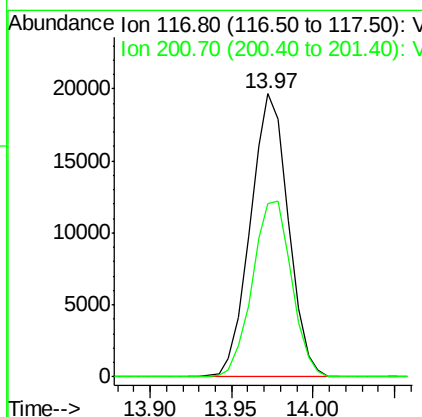
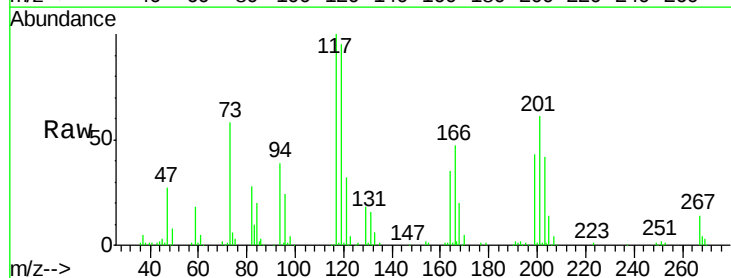
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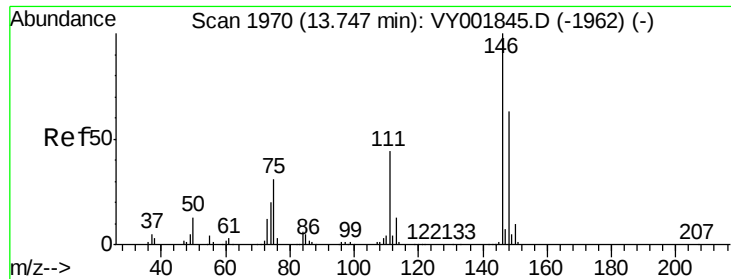
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#90
Hexachloroethane
Concen: 21.259 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.9	32.5	97.5





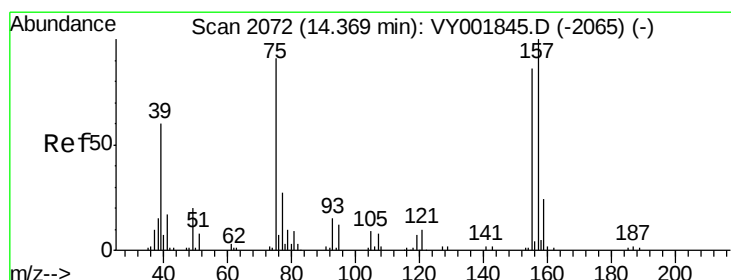
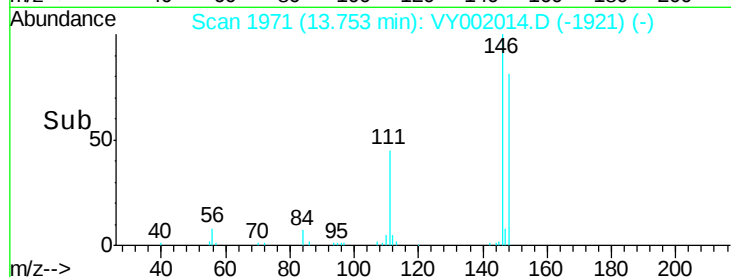
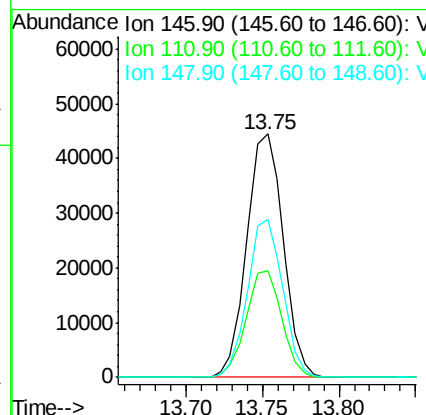
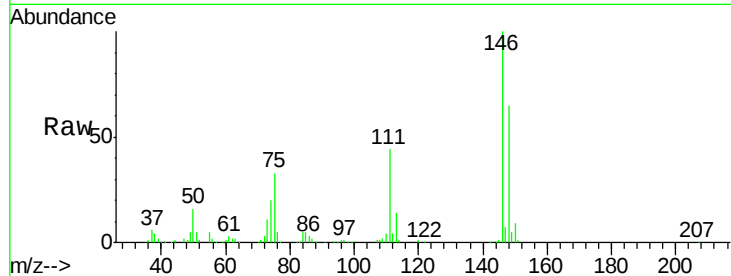
#91
 1,2-Dichlorobenzene
 Concen: 21.534 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	62.5	32.0	96.0

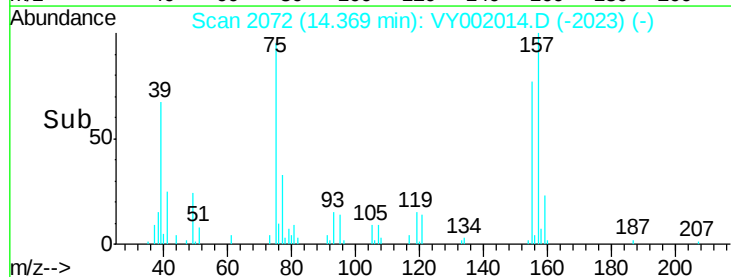
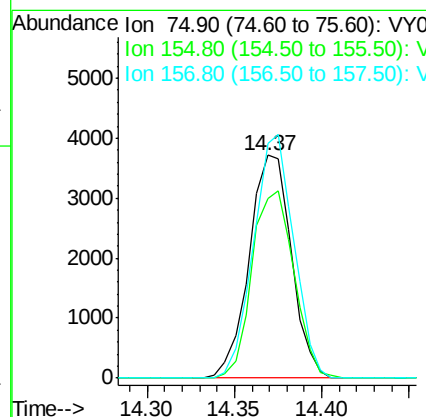
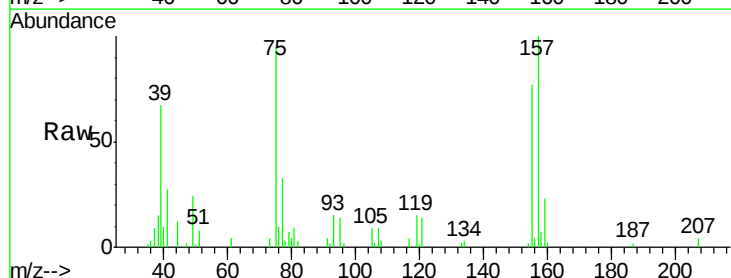
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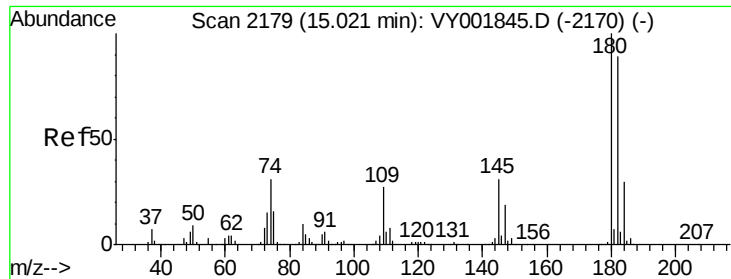
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.417 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	42.9	128.7
157	103.7	53.1	159.4





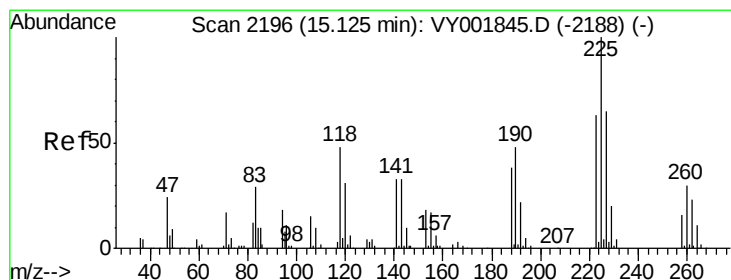
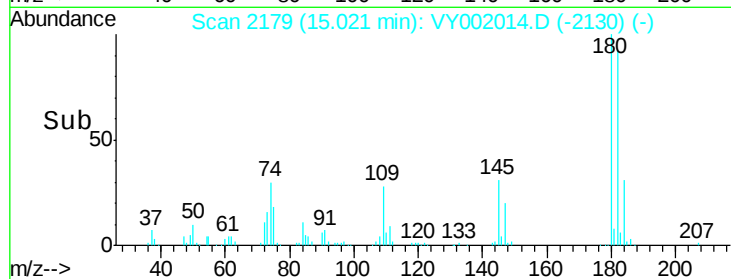
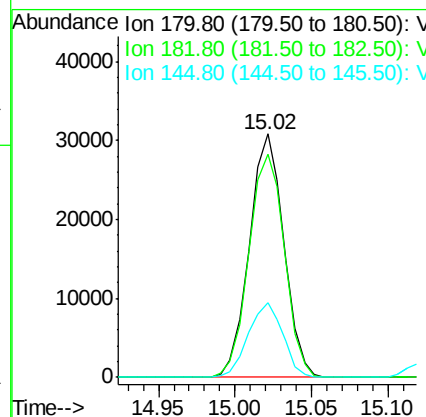
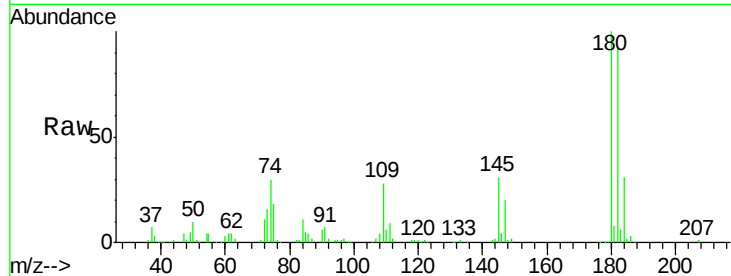
#93
 1,2,4-Trichlorobenzene
 Concen: 21.627 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.1	138.3
145	31.0	15.6	46.8

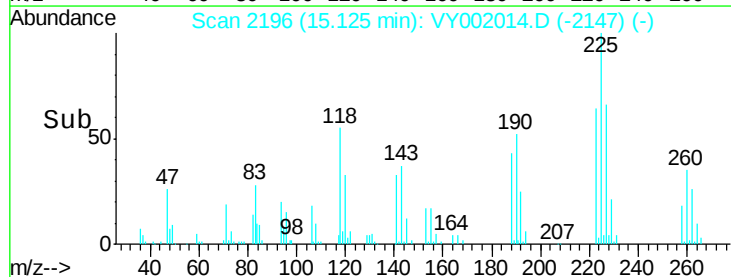
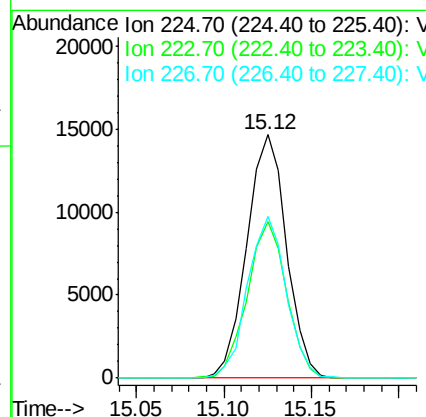
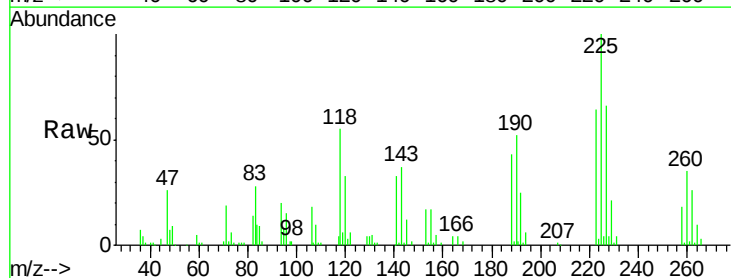
Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:13 PM



#94
 Hexachlorobutadiene
 Concen: 21.298 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.5	94.5
227	65.0	31.9	95.5





#95

Naphthalene

Concen: 21.057 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

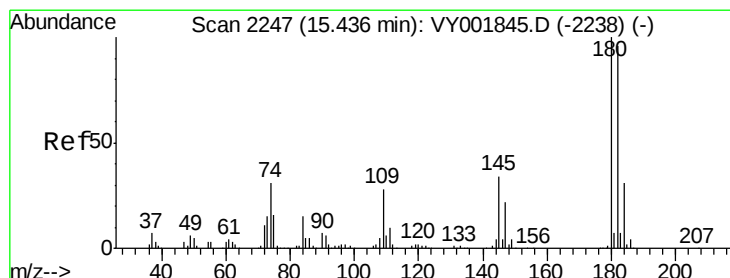
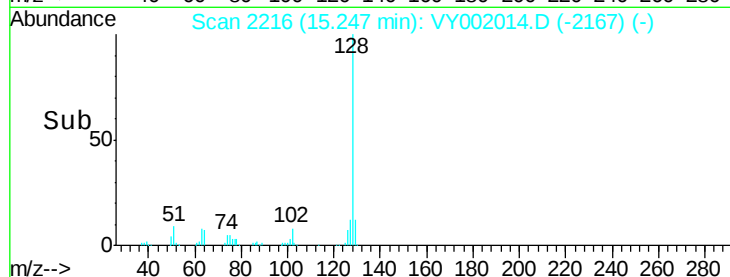
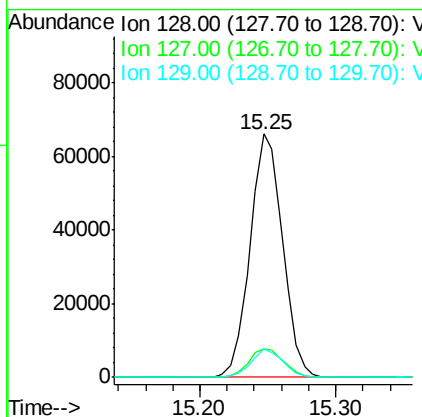
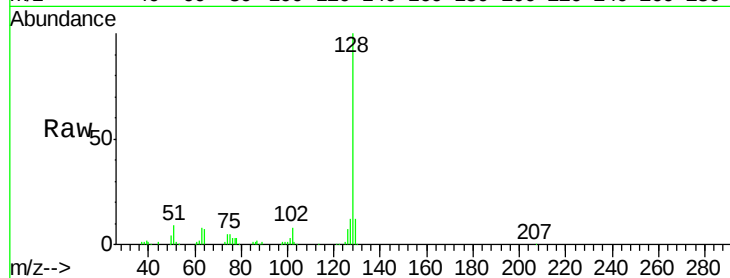
ClientSampleId :

VY0319SBS01

Tot Ion:	128	Resp:	111031
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:06:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.800 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion:	180	Resp:	42692
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.6	142.9
145	34.0	16.8	50.3

