

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001973.D
 Acq On : 16 Mar 2020 11:32
 Operator : SY/MD
 Sample : VY0316SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

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 3/17/2020 12:06:27 PM

Quant Time: Mar 17 08:24:31 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	173110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	310219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	92489	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	7.75	113	88307	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.19	98	359304	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.49	95	128929	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	30451	19.057	ug/l	97
3) Chloromethane	2.13	50	43820	20.340	ug/l	99
4) Vinyl Chloride	2.27	62	43630	19.910	ug/l	99
5) Bromomethane	2.67	94	29023	19.053	ug/l	99
6) Chloroethane	2.82	64	28967	21.043	ug/l	98
7) Trichlorofluoromethane	3.15	101	60692	20.422	ug/l	99
8) Diethyl Ether	3.56	74	25330	21.625	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	39669	20.753	ug/l	99
10) Methyl Iodide	4.13	142	43367	19.618	ug/l	99
11) Tert butyl alcohol	5.00	59	23206	107.823	ug/l	99
12) 1,1-Dichloroethene	3.91	96	40632	21.111	ug/l	98
13) Acrolein	3.76	56	20596	79.308	ug/l	95
14) Allyl chloride	4.52	41	73057	21.411	ug/l	98
15) Acrylonitrile	5.21	53	66161	105.703	ug/l	99
16) Acetone	3.99	43	55276	102.692	ug/l	95
17) Carbon Disulfide	4.23	76	126203	19.506	ug/l	100
18) Methyl Acetate	4.52	43	29389	21.250	ug/l	98
19) Methyl tert-butyl Ether	5.27	73	111290	21.337	ug/l	99
20) Methylene Chloride	4.75	84	49601	21.501	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	46018	21.065	ug/l	99
22) Diisopropyl ether	6.16	45	149026	21.307	ug/l	96
23) Vinyl Acetate	6.10	43	479930	104.671	ug/l	99
24) 1,1-Dichloroethane	6.07	63	80111	21.151	ug/l	98
25) 2-Butanone	7.03	43	85658	104.645	ug/l	97
26) 2,2-Dichloropropane	7.02	77	67889	21.838	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	50267	21.153	ug/l	99
28) Bromochloromethane	7.37	49	33982	19.905	ug/l	97
29) Tetrahydrofuran	7.38	42	55465	102.038	ug/l	99
30) Chloroform	7.54	83	74811	21.023	ug/l	95
31) Cyclohexane	7.82	56	81409	20.046	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	64102	21.373	ug/l	98
36) 1,1-Dichloropropene	7.95	75	62616	20.975	ug/l	98
37) Ethyl Acetate	7.11	43	38517	22.200	ug/l	99
38) Carbon Tetrachloride	7.92	117	55405	21.726	ug/l	97

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 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)
39) Methylcyclohexane	9.21	83	81934	20.693	ug/l	98
40) Benzene	8.19	78	186678	21.098	ug/l	99
41) Methacrylonitrile	7.35	41	20620m	26.408	ug/l	
42) 1,2-Dichloroethane	8.27	62	48280	21.175	ug/l	99
43) Isopropyl Acetate	8.30	43	68799	20.944	ug/l	99
44) Trichloroethene	8.96	130	46035	21.363	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47033	21.145	ug/l	98
46) Dibromomethane	9.32	93	24457	21.337	ug/l	100
47) Bromodichloromethane	9.52	83	57361	21.513	ug/l	99
48) Methyl methacrylate	9.31	41	30750	21.096	ug/l	95
49) 1,4-Dioxane	9.31	88	6550	417.031	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	187423	110.773	ug/l	100
52) Toluene	10.25	92	114832	21.363	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	64342	22.149	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	74531	21.552	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	35913	21.409	ug/l	98
56) Ethyl methacrylate	10.52	69	52610	21.397	ug/l	98
57) 1,3-Dichloropropane	10.80	76	65354	21.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	129127	135.505	ug/l	99
59) 2-Hexanone	10.85	43	128305	106.244	ug/l	99
60) Dibromochloromethane	11.00	129	38756	21.925	ug/l	98
61) 1,2-Dibromoethane	11.10	107	34103	21.462	ug/l	98
64) Tetrachloroethene	10.73	164	37661	21.673	ug/l	98
65) Chlorobenzene	11.53	112	118059	21.383	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	39576	21.859	ug/l	98
67) Ethyl Benzene	11.60	91	222364	21.595	ug/l	97
68) m/p-Xylenes	11.71	106	163438	42.933	ug/l	99
69) o-Xylene	12.04	106	75964	21.171	ug/l	97
70) Styrene	12.05	104	135223	22.004	ug/l	99
71) Bromoform	12.22	173	22210	22.620	ug/l #	97
73) Isopropylbenzene	12.34	105	211707	21.061	ug/l	99
74) N-amyl acetate	12.15	43	63448	20.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	45943	21.194	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	35339m	22.617	ug/l	
77) Bromobenzene	12.62	156	45489	21.359	ug/l	98
78) n-propylbenzene	12.68	91	263893	21.279	ug/l	100
79) 2-Chlorotoluene	12.77	91	142583	20.810	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	176530	21.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	16259	21.019	ug/l	99
82) 4-Chlorotoluene	12.86	91	153039	21.453	ug/l	100
83) tert-Butylbenzene	13.08	119	148280	21.573	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	174803	21.285	ug/l	99
85) sec-Butylbenzene	13.26	105	216642	21.384	ug/l	99
86) p-Isopropyltoluene	13.38	119	189076	21.635	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	89372	21.414	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	89424	21.121	ug/l	97
89) n-Butylbenzene	13.70	91	196049	21.622	ug/l	99
90) Hexachloroethane	13.97	117	35097	21.287	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	81125	21.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7005	20.709	ug/l	100

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ClientSampleId :
VY0316SBS01

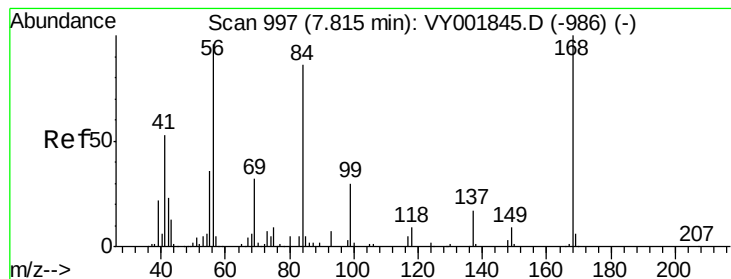
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	54077	21.993	ug/l	99
94) Hexachlorobutadiene	15.12	225	26784	22.343	ug/l	98
95) Naphthalene	15.25	128	123980	21.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	48583	22.429	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:168 Resp: 173110

Ion Ratio Lower Upper

168 100

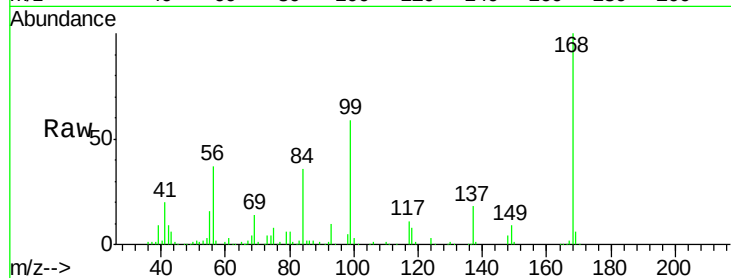
99 59.5 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

80000

60000

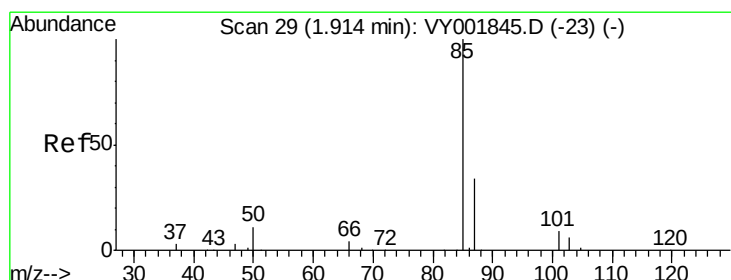
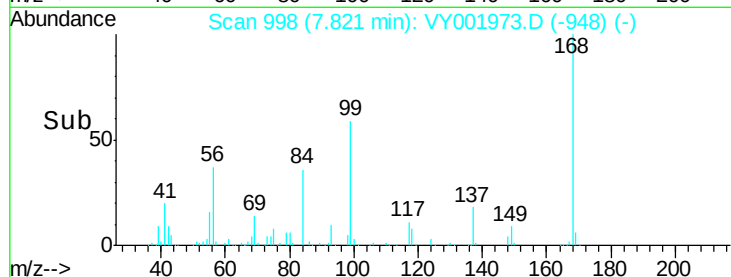
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.057 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001973.D

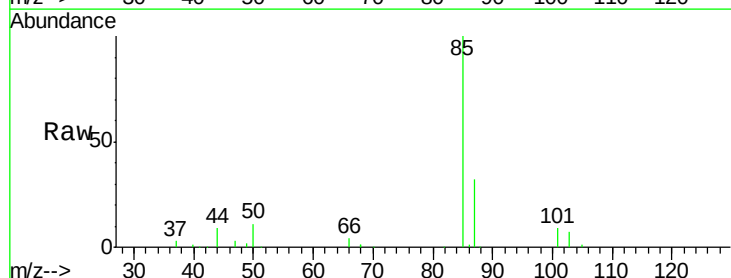
Acq: 16 Mar 2020 11:32

Tgt Ion: 85 Resp: 30451

Ion Ratio Lower Upper

85 100

87 32.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

25000

20000

15000

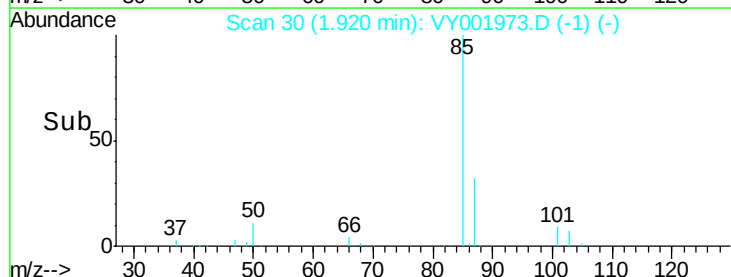
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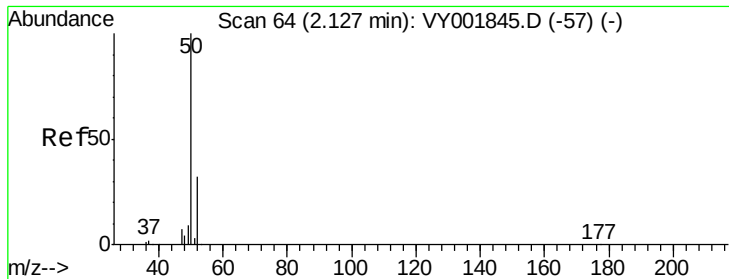
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.340 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 50 Resp: 43820

Ion Ratio Lower Upper

50 100

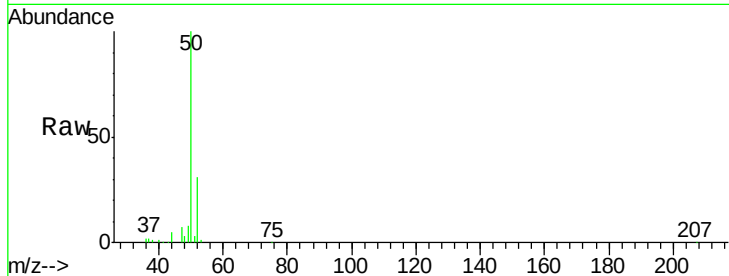
52 31.4 25.8 38.6

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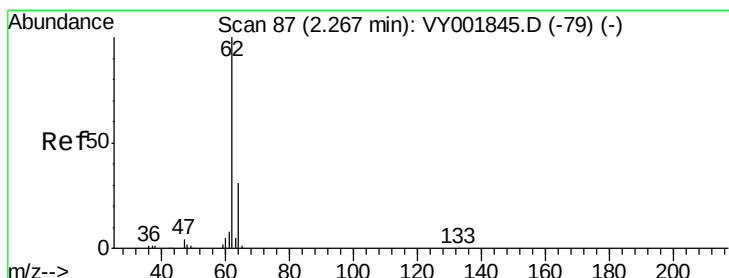
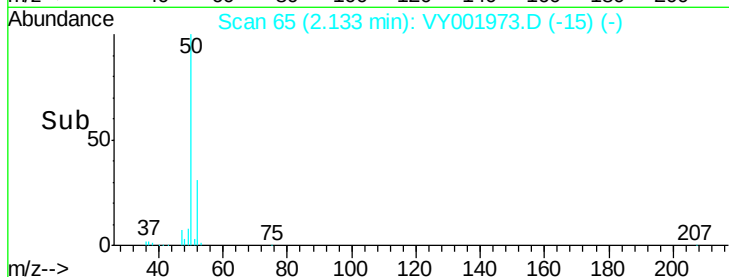
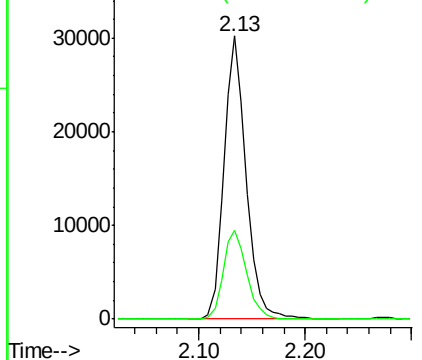
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.910 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001973.D

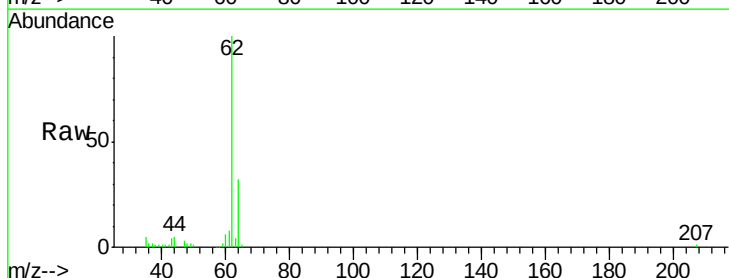
Acq: 16 Mar 2020 11:32

Tgt Ion: 62 Resp: 43630

Ion Ratio Lower Upper

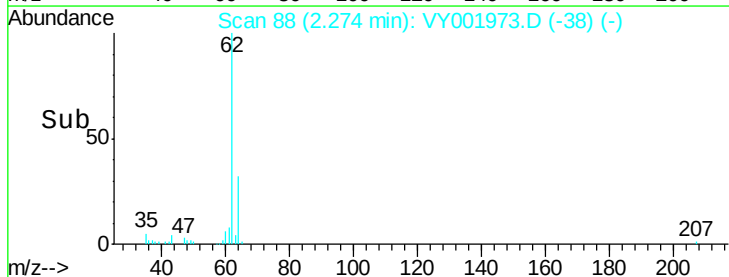
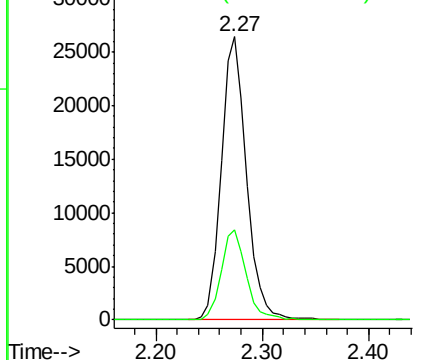
62 100

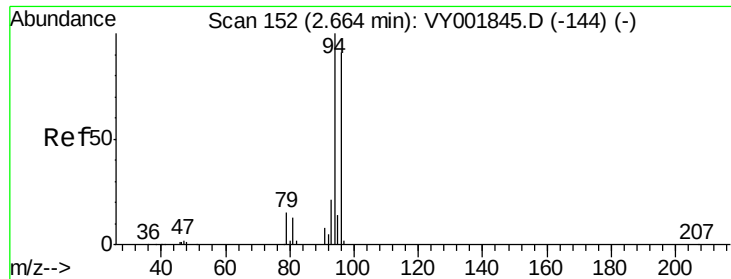
64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.053 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 94 Resp: 29023

Ion Ratio Lower Upper

94 100

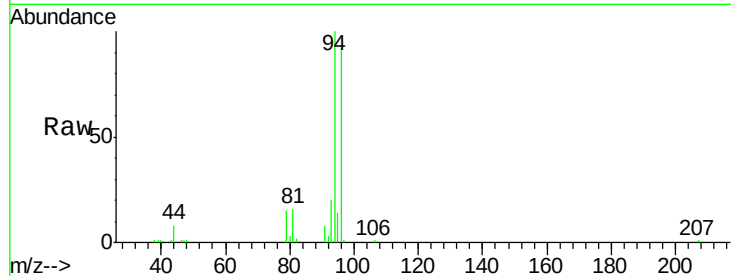
96 91.0 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

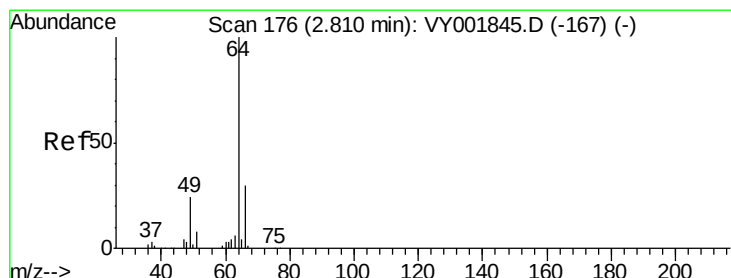
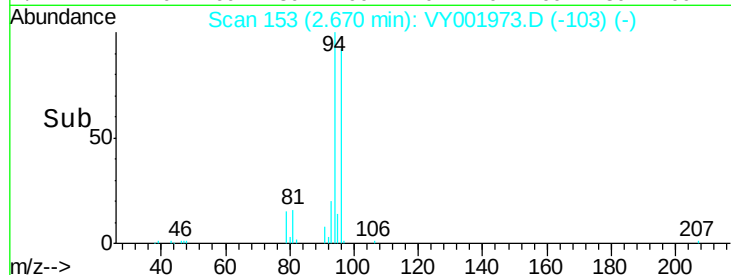
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5000

0

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 21.043 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001973.D

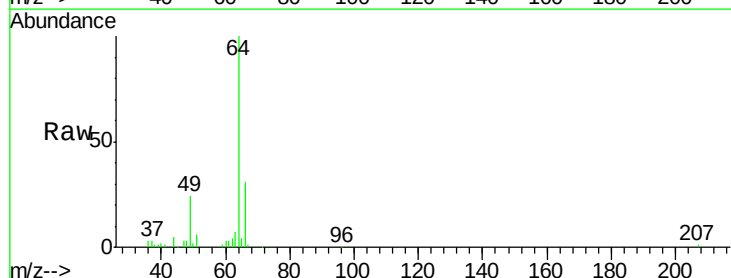
Acq: 16 Mar 2020 11:32

Tgt Ion: 64 Resp: 28967

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

15000

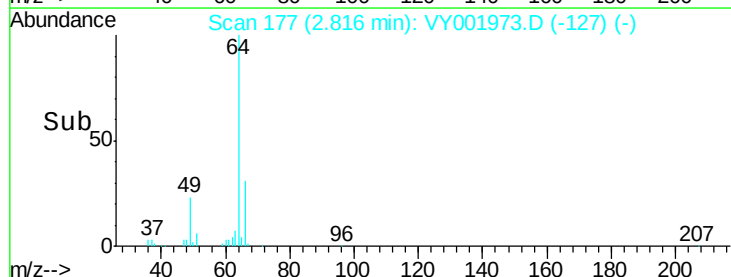
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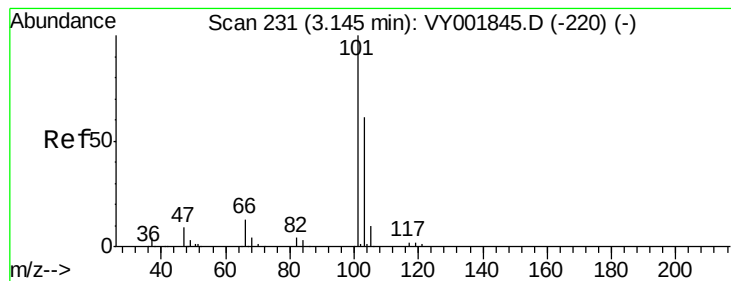
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0

2.70 2.75 2.80 2.85 2.90

Time-->





#7

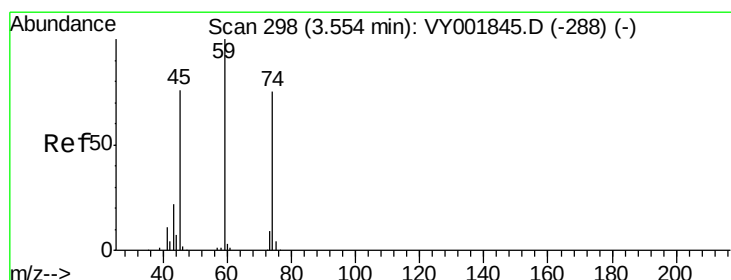
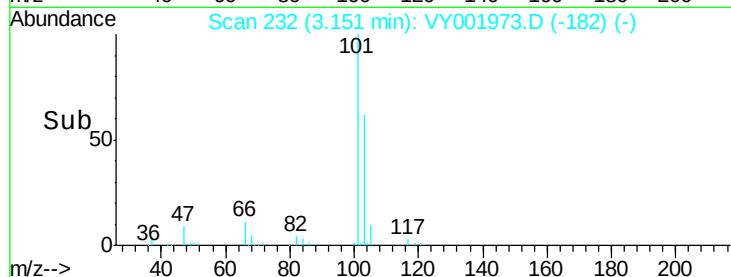
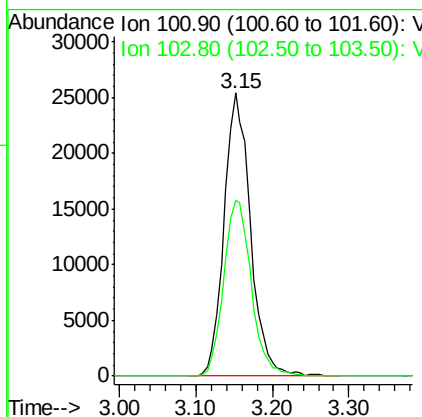
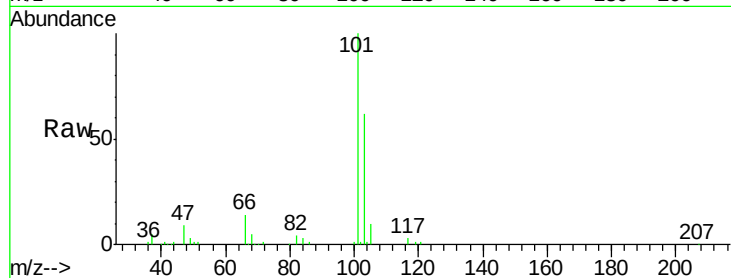
Trichlorofluoromethane
 Concen: 20.422 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
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 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.1	73.7

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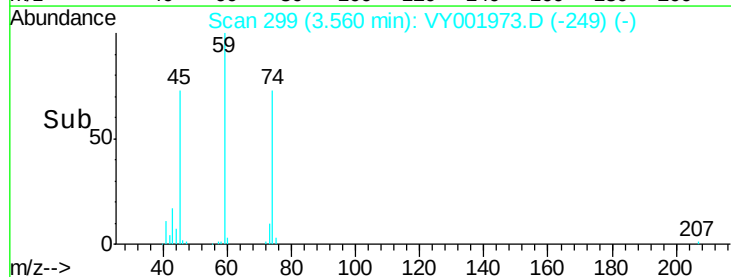
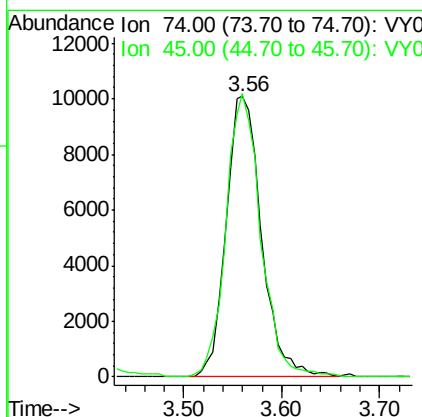
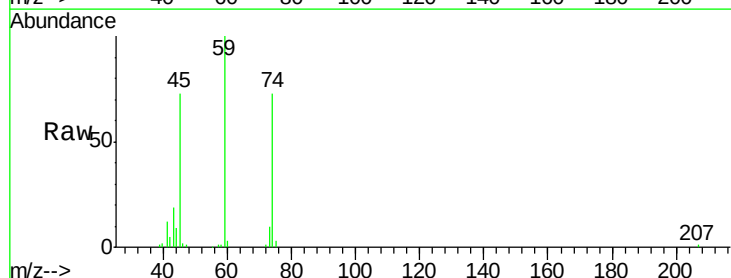
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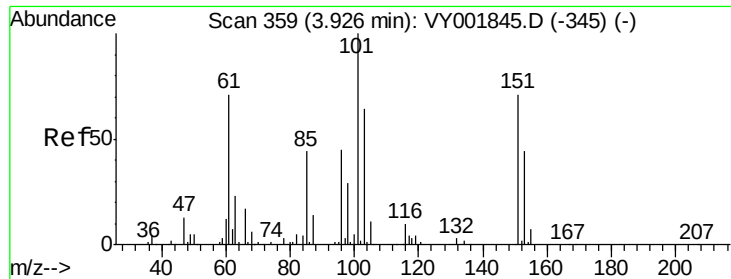


#8

Diethyl Ether
 Concen: 21.625 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.753 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

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MSVOA_Y

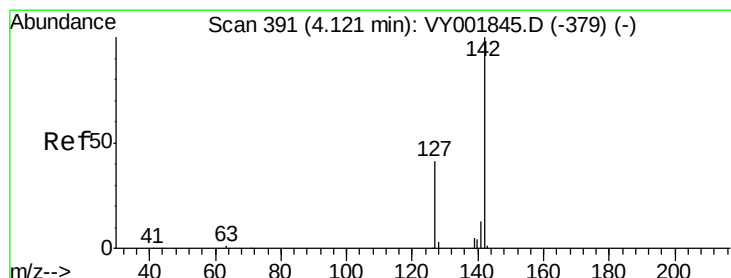
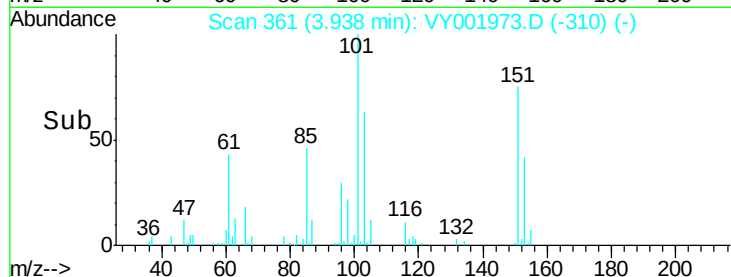
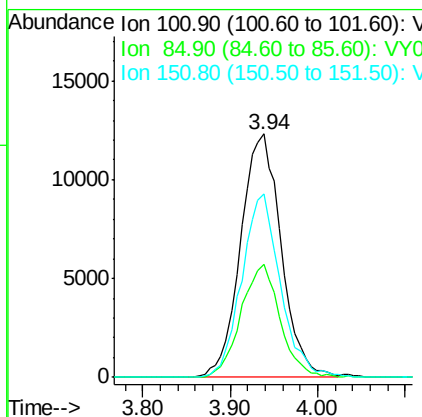
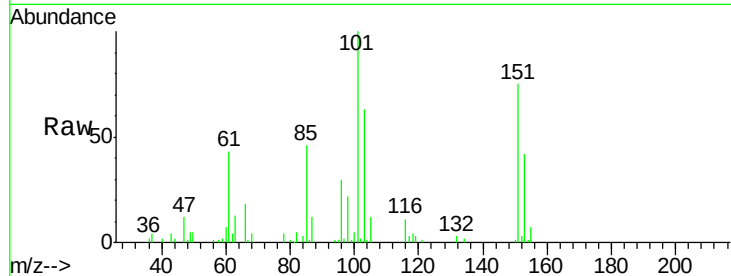
ClientSampleId :

VY0316SBS01

Tot Ion:	101	Resp:	39669
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.3	52.9
151	72.1	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.618 ug/l

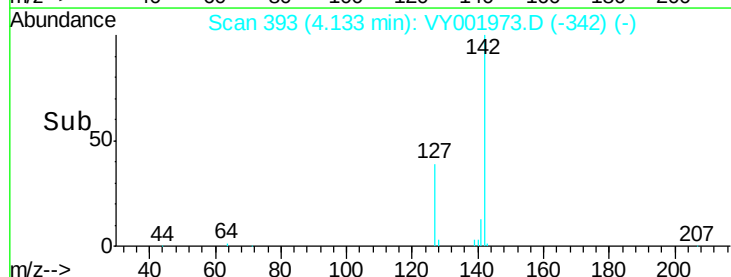
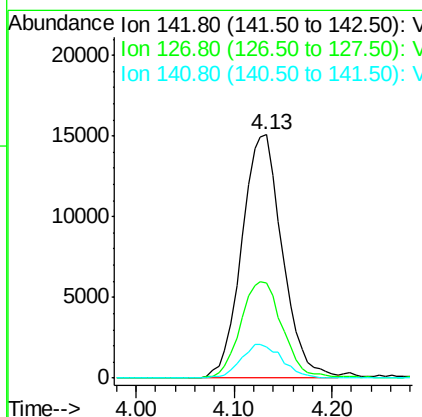
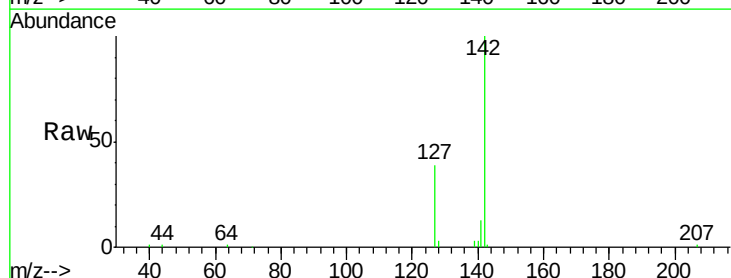
RT: 4.13 min Scan# 393

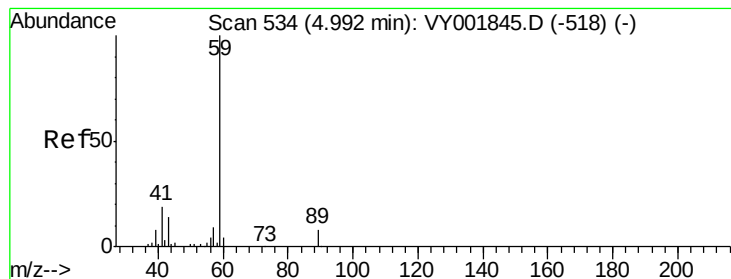
Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion:	142	Resp:	43367
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.7	49.1
141	14.0	11.0	16.6





#11

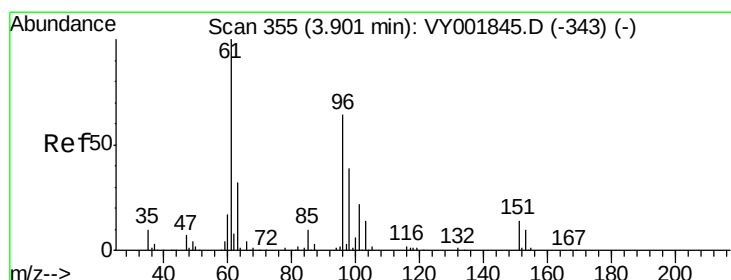
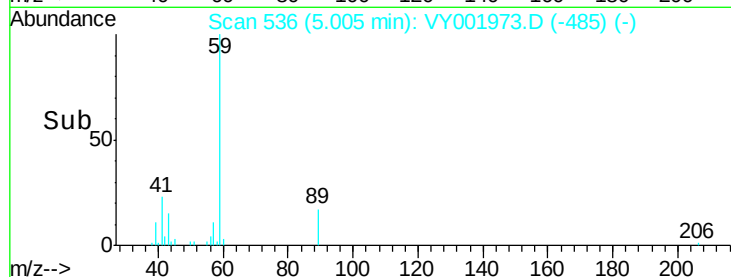
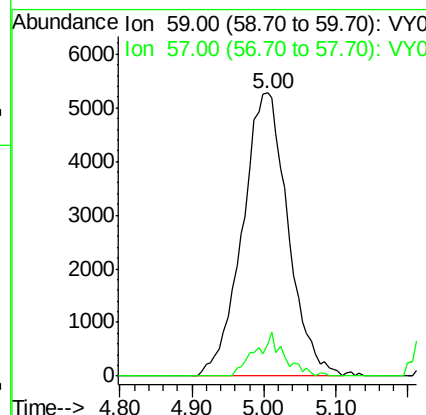
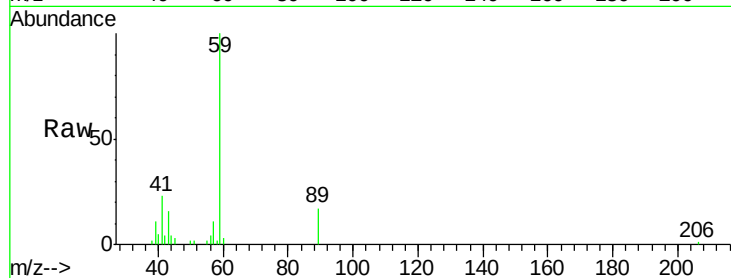
Tert butyl alcohol
Concen: 107.823 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	59	Resp	23206
Ion Ratio	100	Lower	Upper
59	100		
57	9.7	7.4	11.2

Manual Integrations
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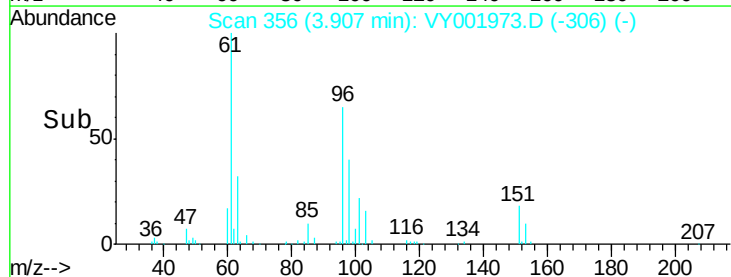
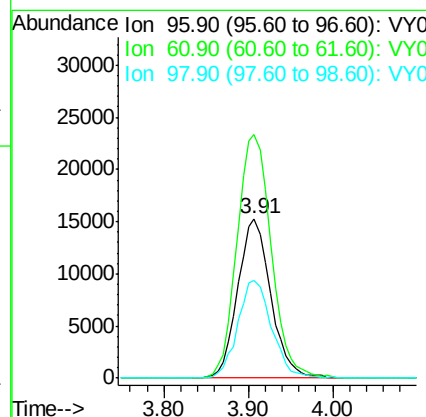
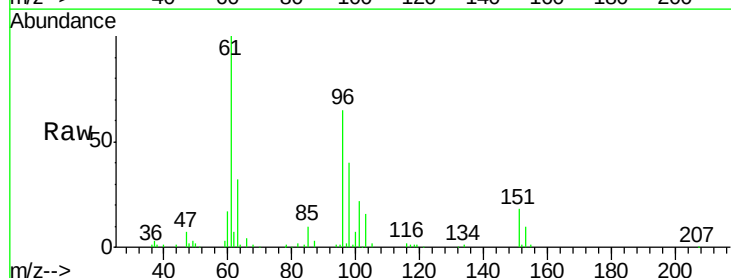
MMDadoda
3/17/2020 12:06:27 PM

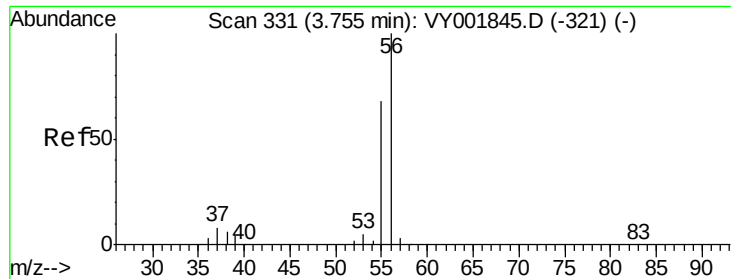


#12

1,1-Dichloroethene
Concen: 21.111 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	96	Resp	40632
Ion Ratio	100	Lower	Upper
96	100		
61	153.0	124.8	187.2
98	61.7	49.2	73.8





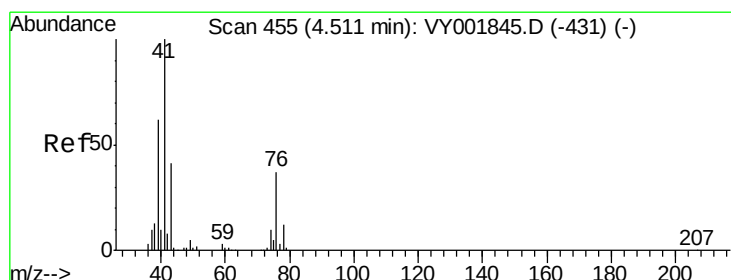
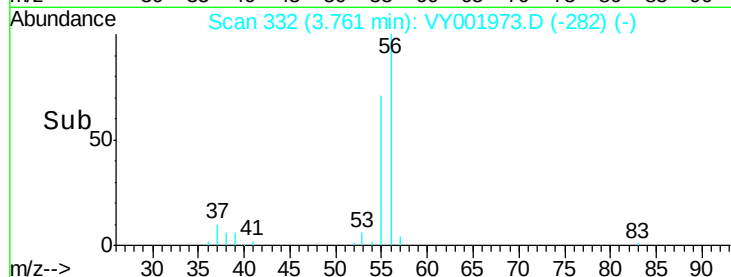
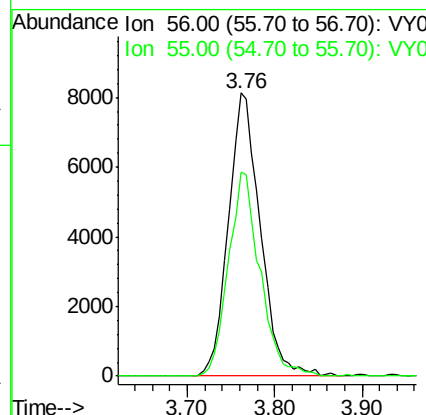
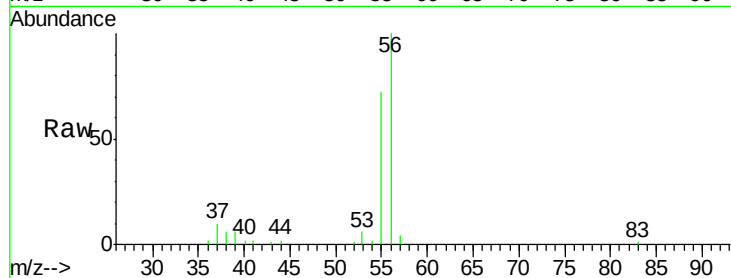
#13
Acrolein
Concen: 79.308 ug/l
RT: 3.76 min Scan# 332
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	54.0	81.0

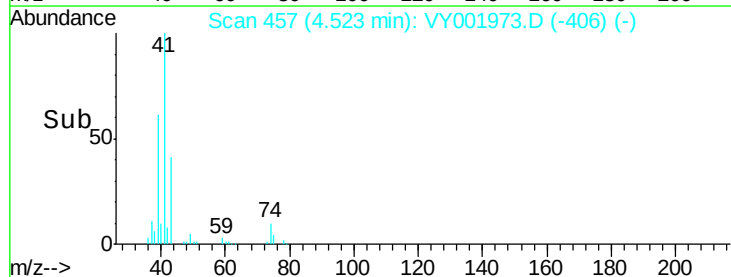
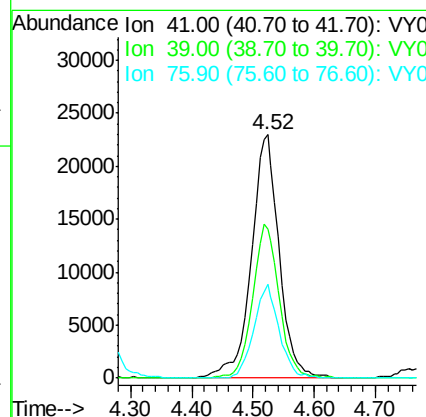
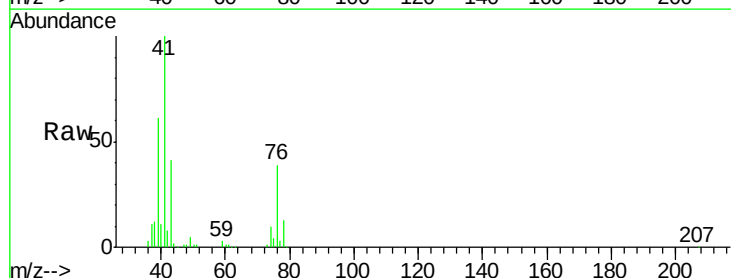
Manual Integrations
APPROVED

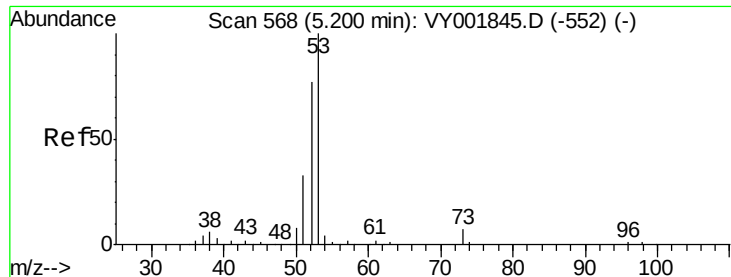
MMDadoda
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#14
Allyl chloride
Concen: 21.411 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.5	49.0	73.6
76	34.8	28.9	43.3





#15

Acrylonitrile

Concen: 105.703 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

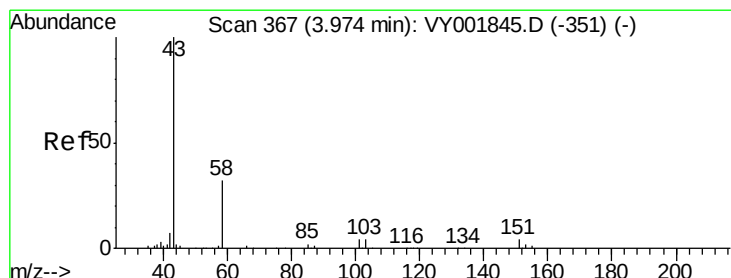
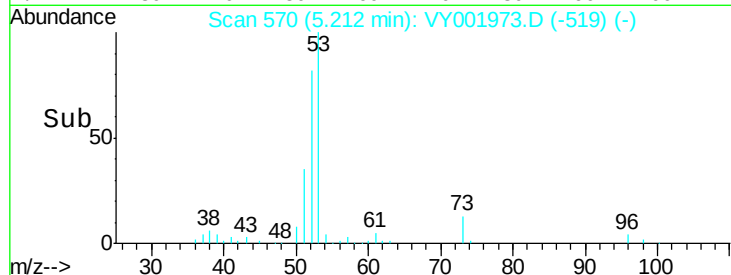
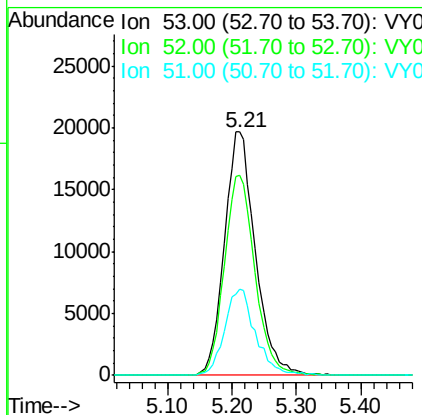
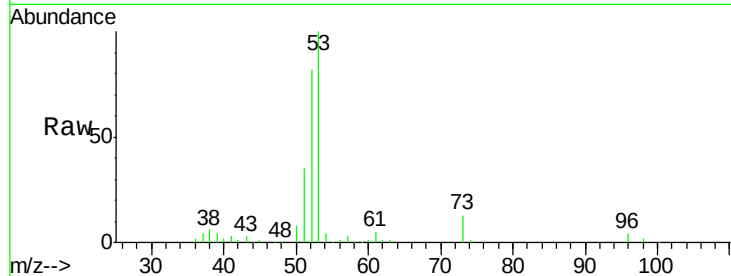
ClientSampleId :

VY0316SBS01

Tot Ion:	53	Resp:	66161
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.1	97.7
51	35.4	27.5	41.3

Manual Integrations
APPROVED

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#16

Acetone

Concen: 102.692 ug/l

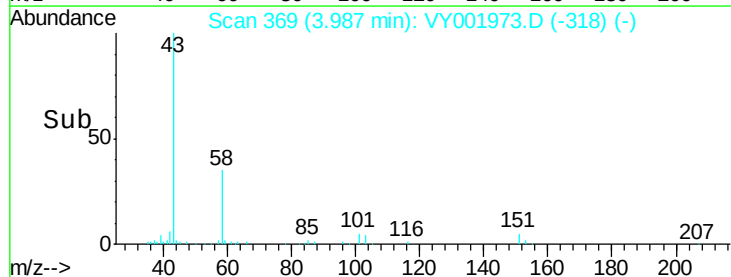
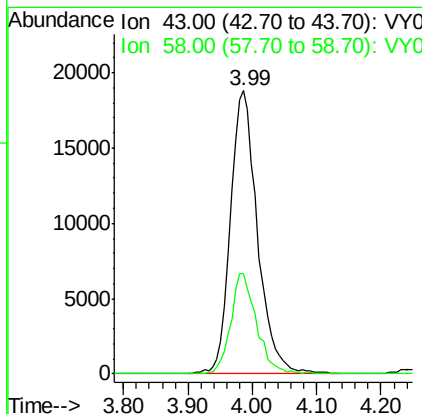
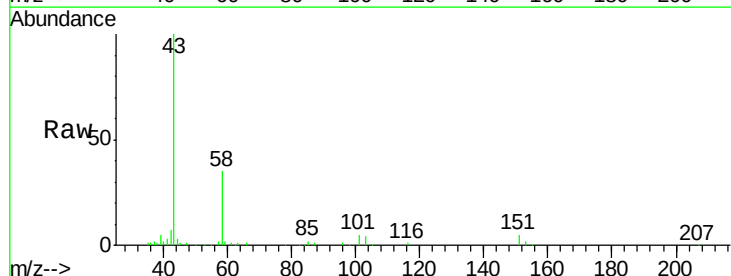
RT: 3.99 min Scan# 369

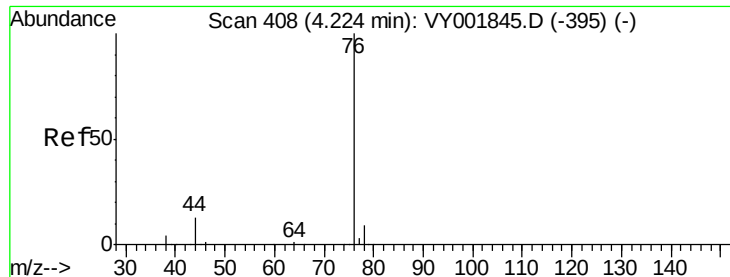
Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion:	43	Resp:	55276
Ion Ratio	Lower	Upper	
43	100		
58	35.3	25.9	38.9





#17

Carbon Disulfide

Concen: 19.506 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 76 Resp: 126203

Ion Ratio Lower Upper

76 100

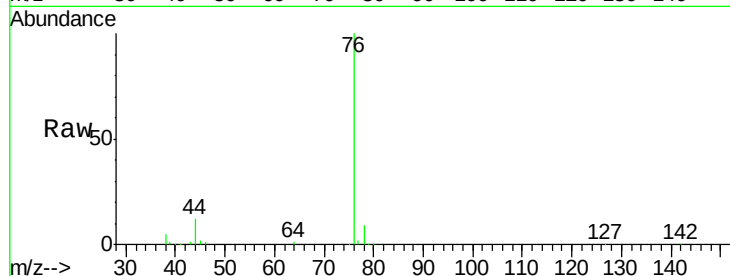
78 9.3 7.4 11.2

Manual Integrations

APPROVED

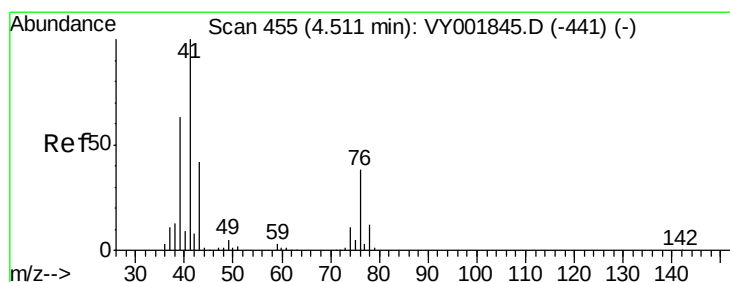
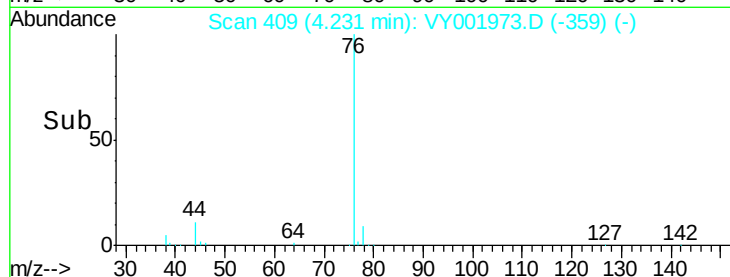
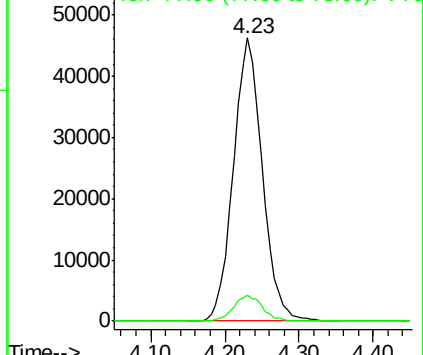
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.250 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001973.D

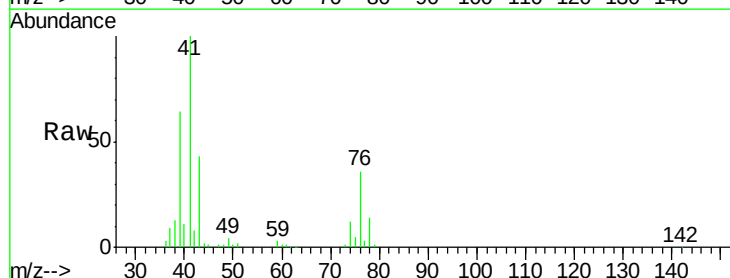
Acq: 16 Mar 2020 11:32

Tgt Ion: 43 Resp: 29389

Ion Ratio Lower Upper

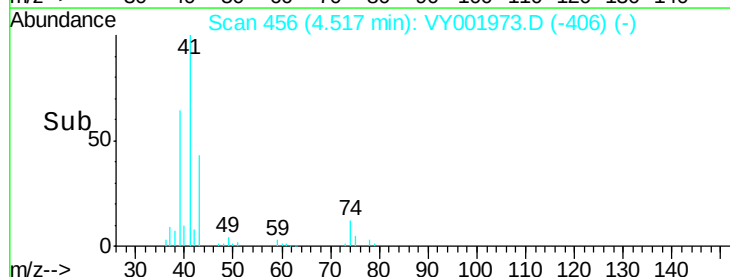
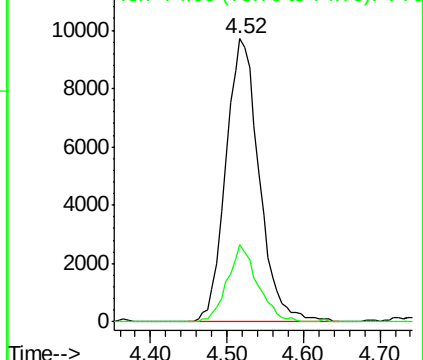
43 100

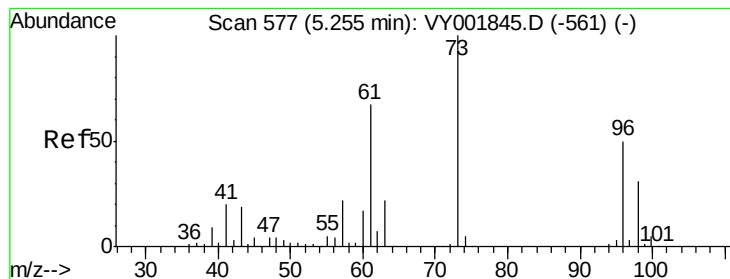
74 24.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

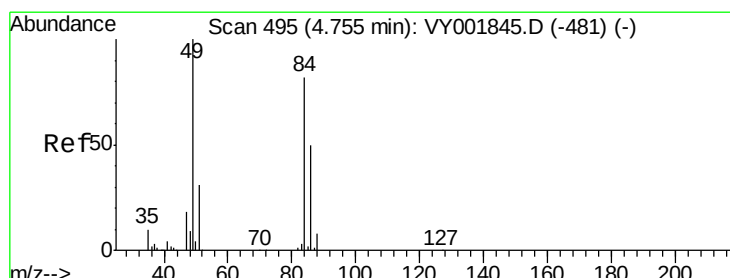
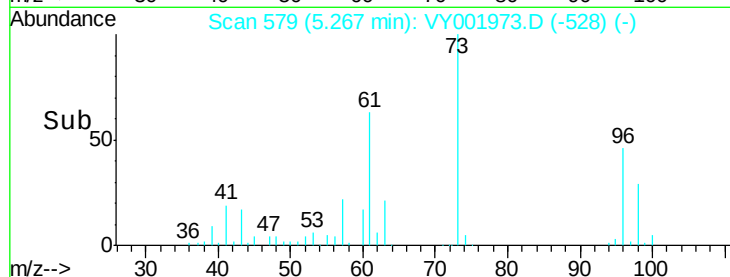
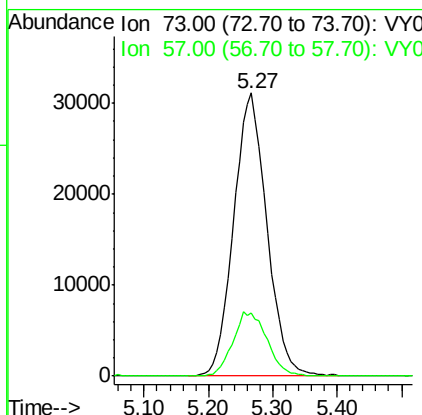
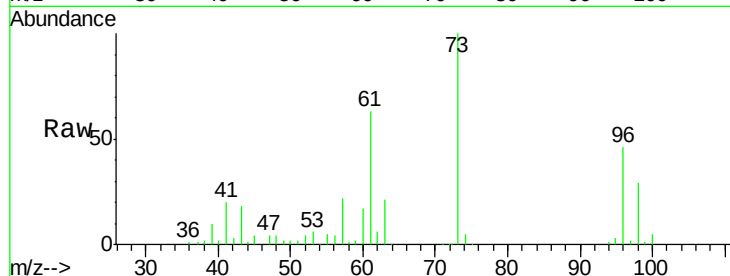
Methyl tert-butyl Ether
 Concen: 21.337 ug/l
 RT: 5.27 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	73	Resp	111290
Ion Ratio	100	Lower	Upper
57	22.3	17.4	26.2

Manual Integrations
 APPROVED

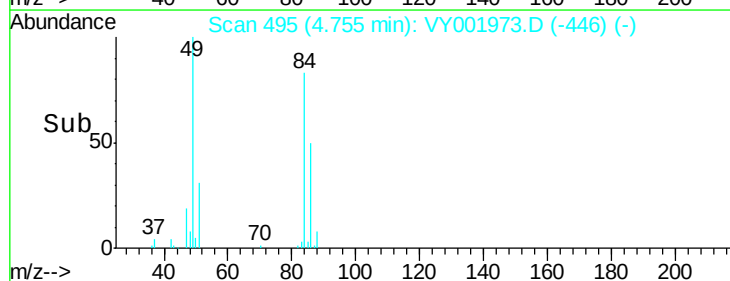
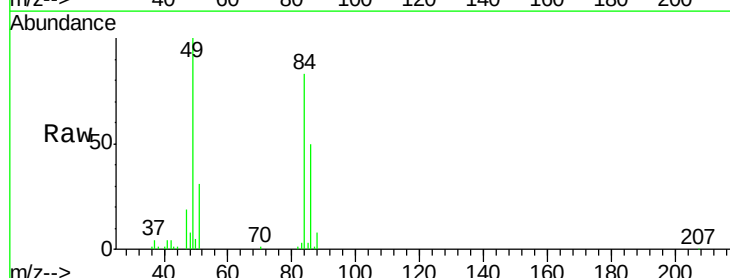
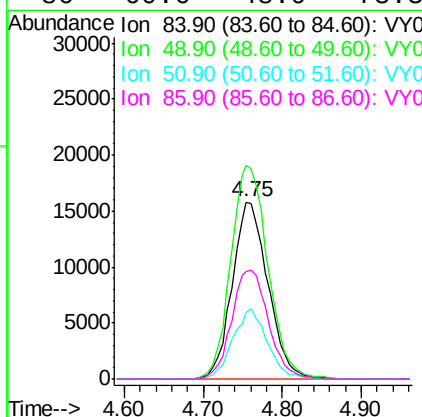
MMDadoda
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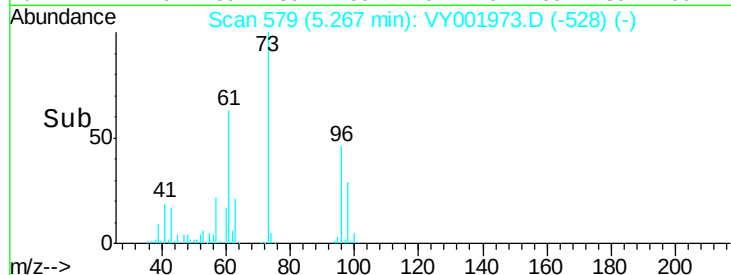
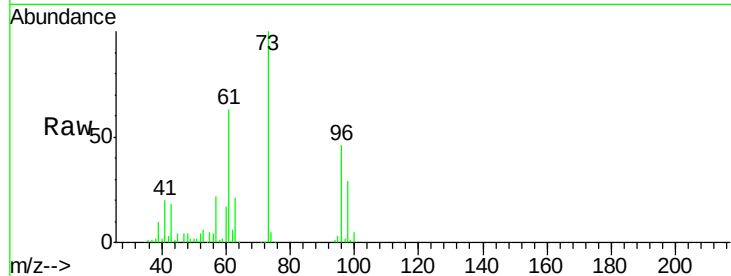
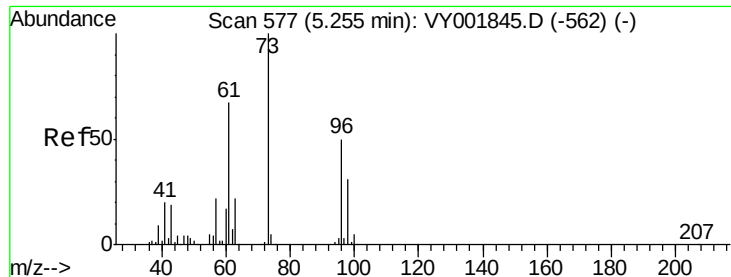


#20

Methylene Chloride
 Concen: 21.501 ug/l
 RT: 4.75 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	84	Resp	49601
Ion Ratio	100	Lower	Upper
49	120.8	98.2	147.2
51	37.3	30.2	45.2
86	60.6	48.9	73.3





#21

trans-1,2-Dichloroethene

Concen: 21.065 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001973.D

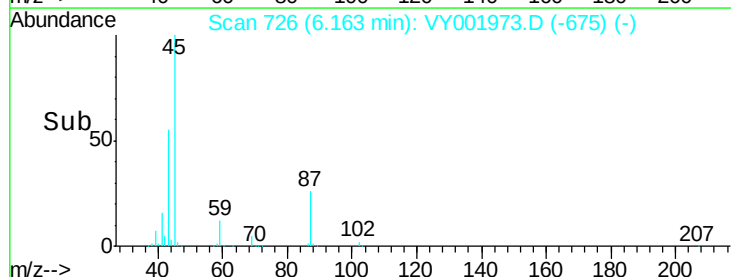
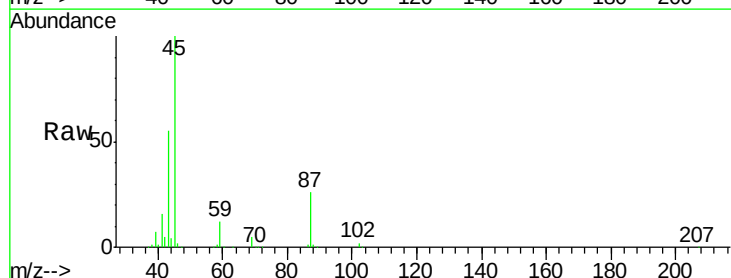
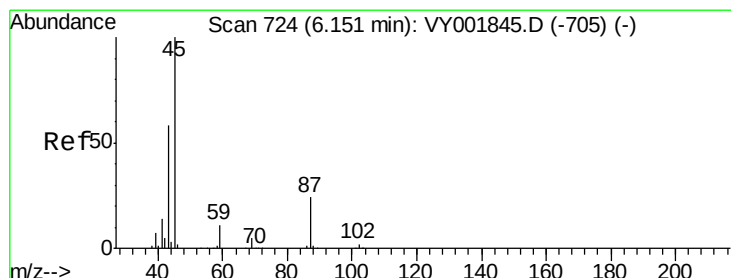
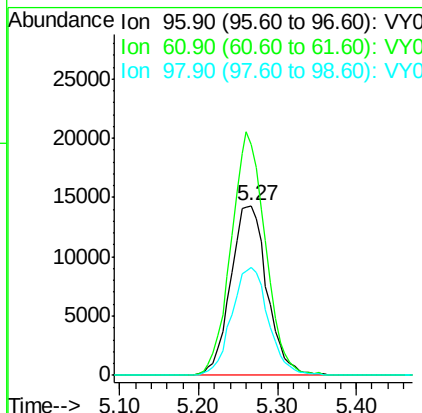
Acq: 16 Mar 2020 11:32

Tot Ion:	96	Resp:	46018
Ion	Ratio	Lower	Upper
96	100		
61	135.8	107.7	161.5
98	63.4	49.3	73.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.307 ug/l

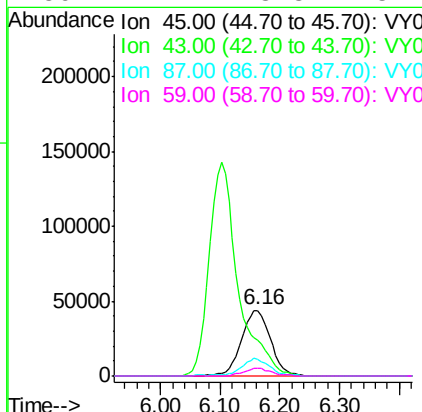
RT: 6.16 min Scan# 726

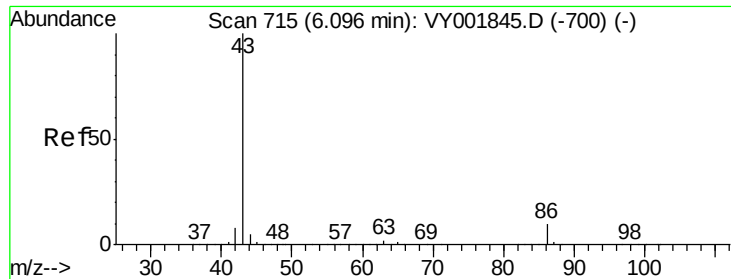
Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion:	45	Resp:	149026
Ion	Ratio	Lower	Upper
45	100		
43	55.3	47.2	70.8
87	25.4	19.8	29.8
59	11.7	8.8	13.2





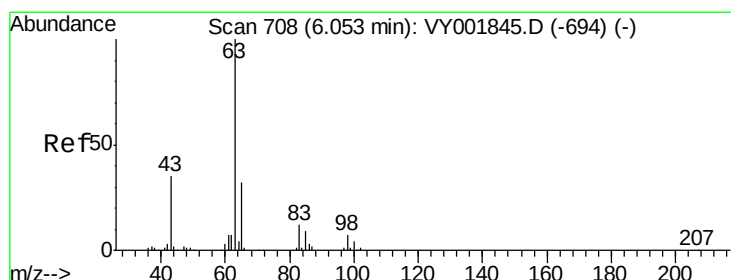
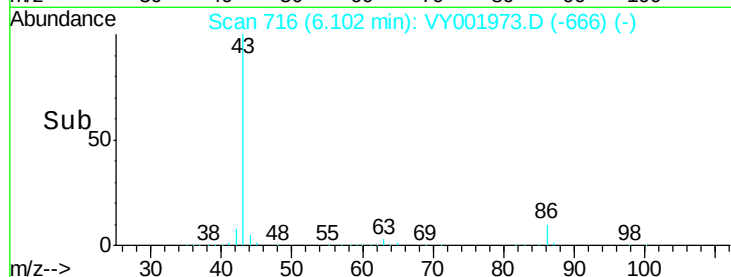
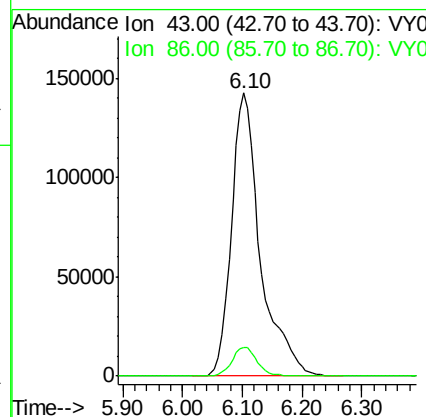
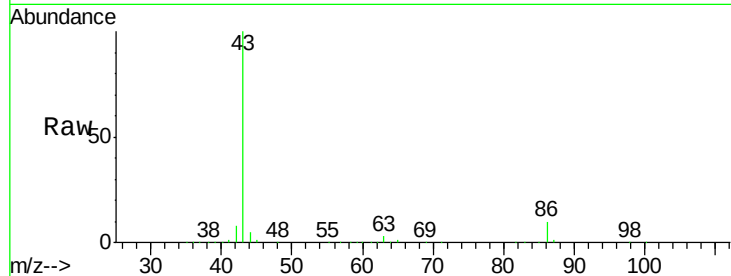
#23
 Vinyl Acetate
 Concen: 104.671 ug/l
 RT: 6.10 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	43	Resp	479930
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	7.8	11.8

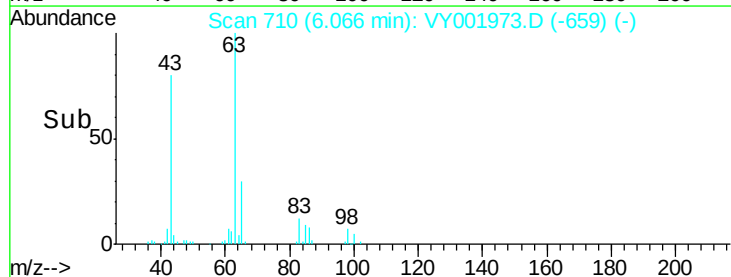
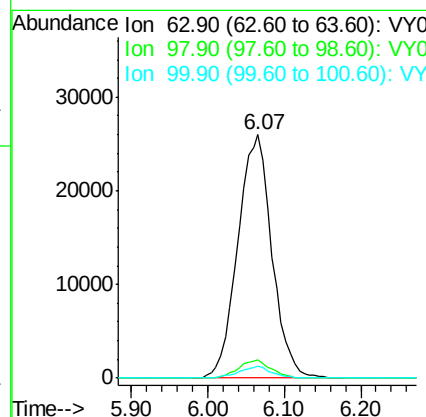
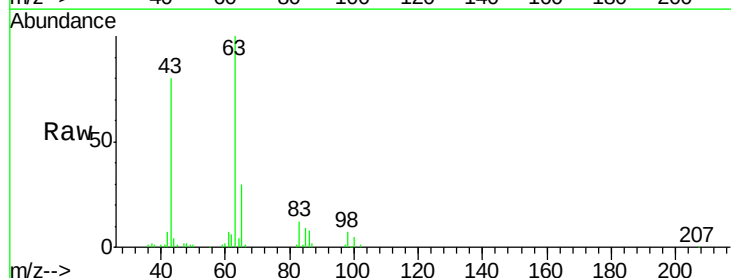
Manual Integrations
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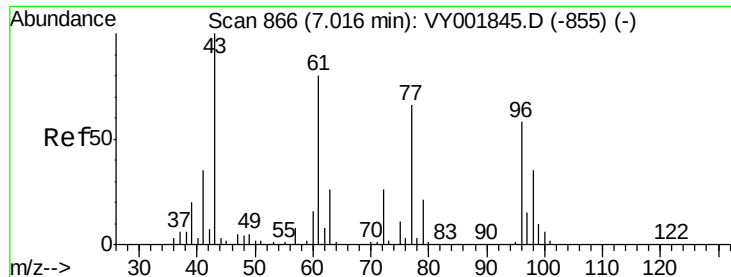
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#24
 1,1-Dichloroethane
 Concen: 21.151 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	63	Resp	80111
Ion Ratio	100	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.7	2.0	6.0





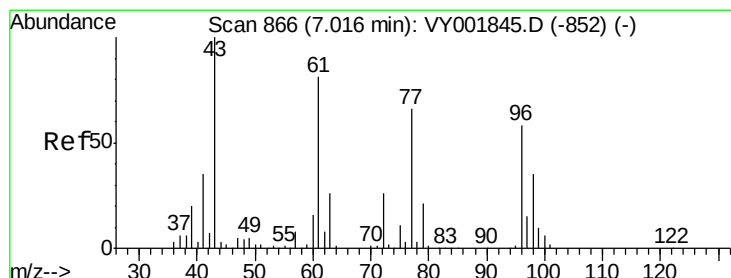
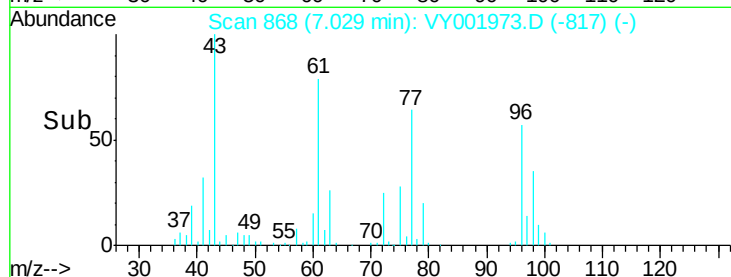
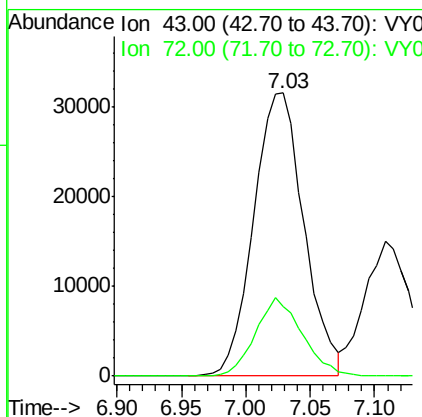
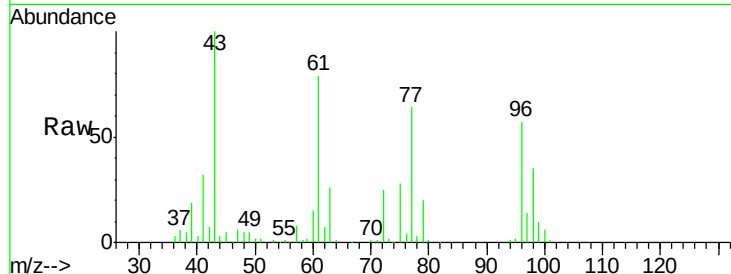
#25
2-Butanone
Concen: 104.645 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion: 43 Resp: 85658
Ion Ratio Lower Upper
43 100
72 24.7 20.9 31.3

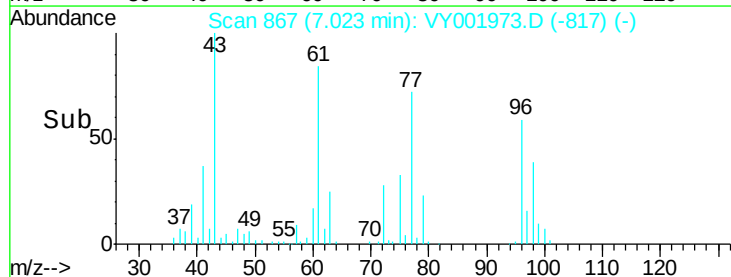
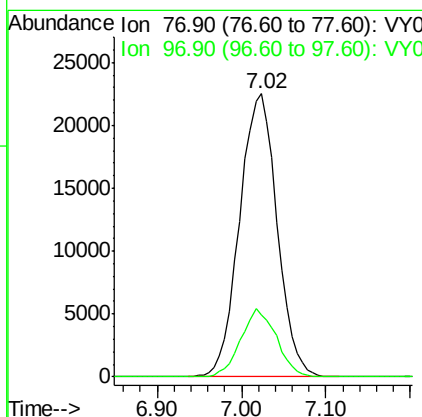
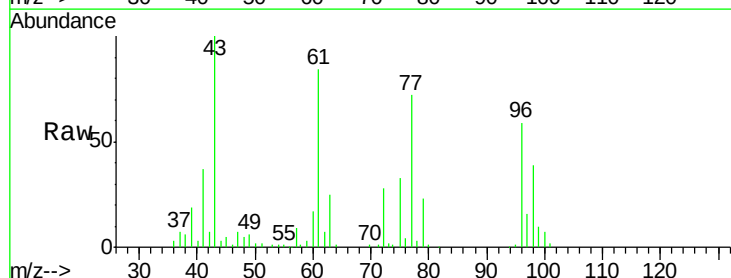
Manual Integrations
APPROVED

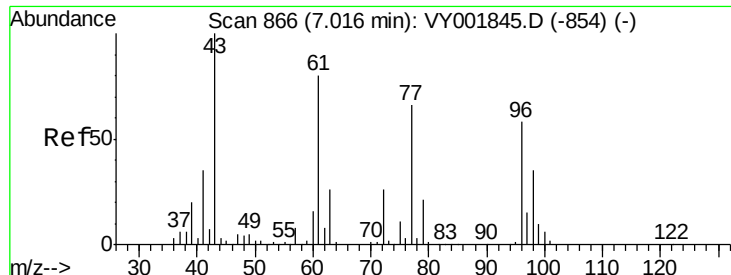
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.838 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion: 77 Resp: 67889
Ion Ratio Lower Upper
77 100
97 22.8 11.9 35.7





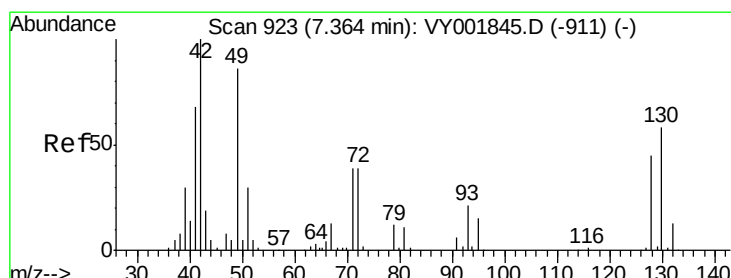
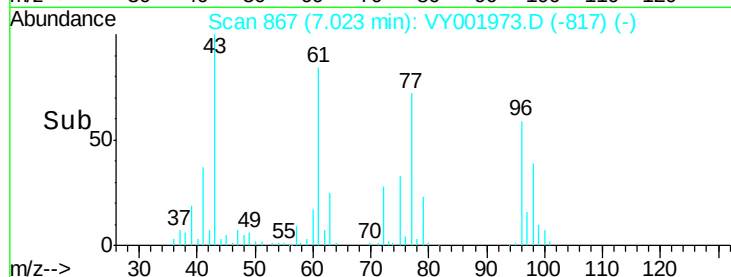
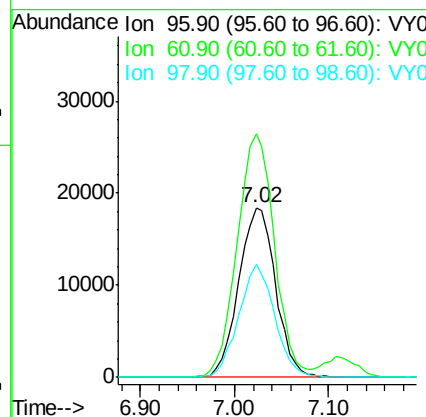
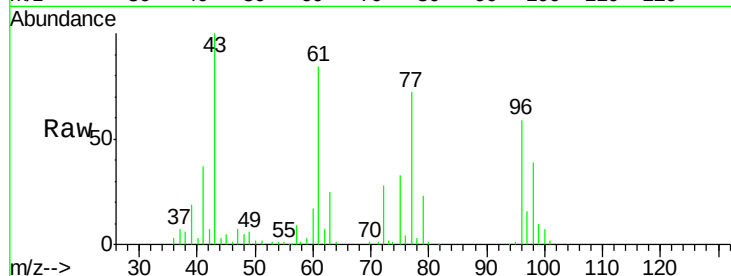
#27
 cis-1,2-Dichloroethene
 Concen: 21.153 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	288.2
98	65.3	0.0	129.0

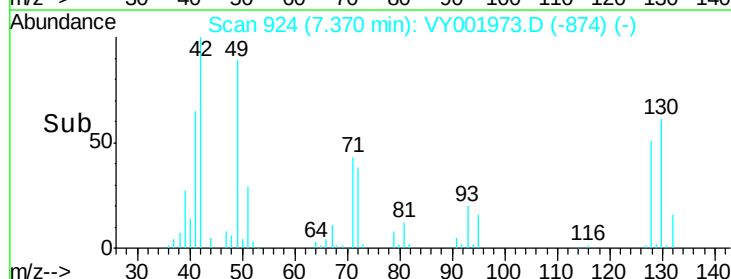
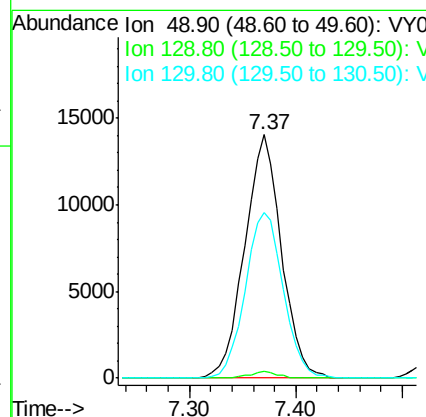
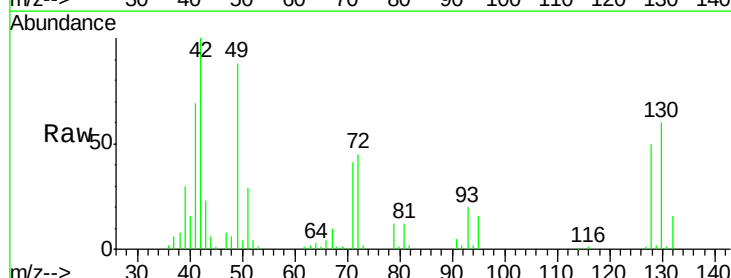
Manual Integrations
 APPROVED

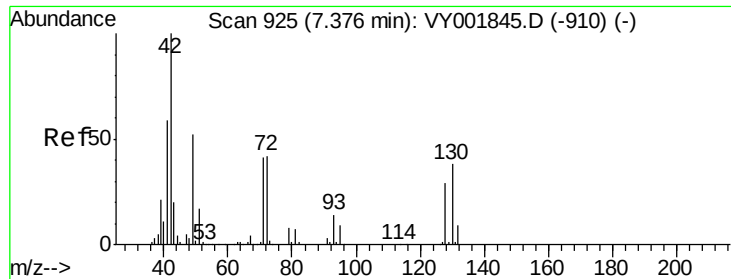
MMDadoda
 3/17/2020 12:06:27 PM



#28
 Bromochloromethane
 Concen: 19.905 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	70.2	54.4	81.6





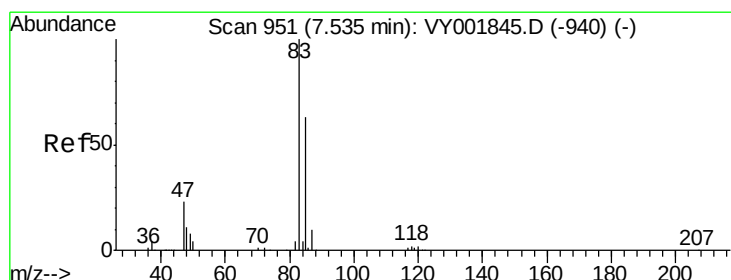
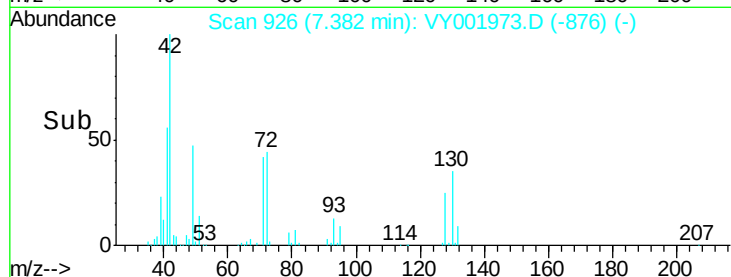
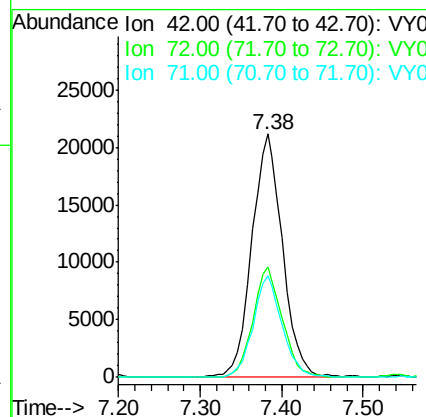
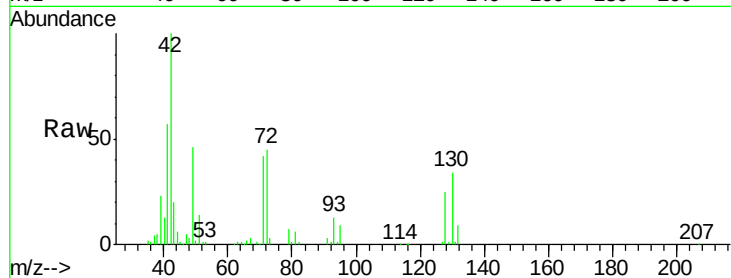
#29
Tetrahydrofuran
Concen: 102.038 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.5	50.3
71	39.4	31.3	46.9

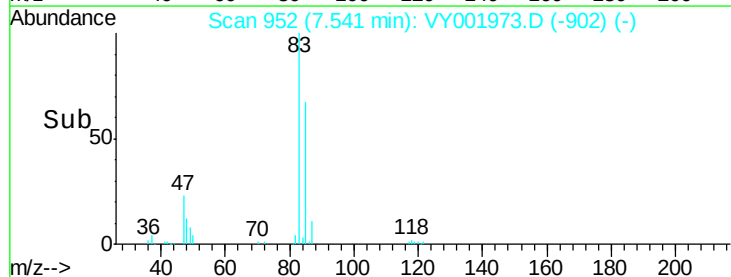
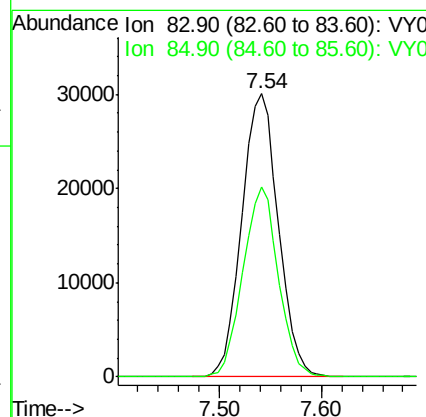
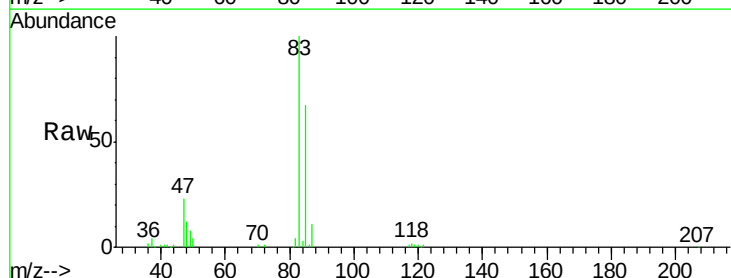
Manual Integrations
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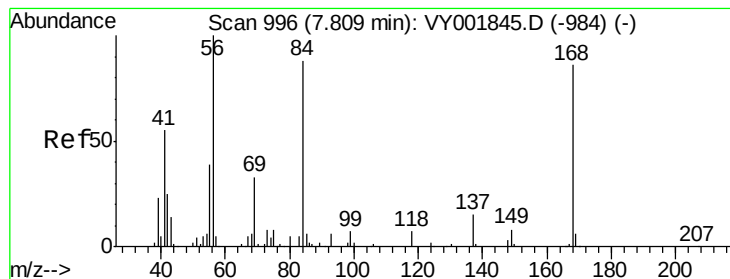
MMDadoda
3/17/2020 12:06:27 PM



#30
Chloroform
Concen: 21.023 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.7	76.1





#31

Cyclohexane

Concen: 20.046 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 56 Resp: 81409

Ion Ratio Lower Upper

56 100

69 36.5 26.7 40.1

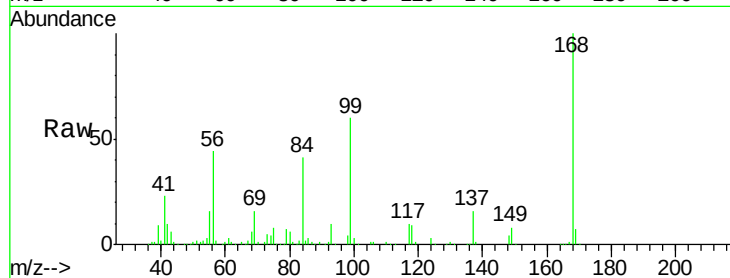
84 90.6 70.4 105.6

Manual Integrations

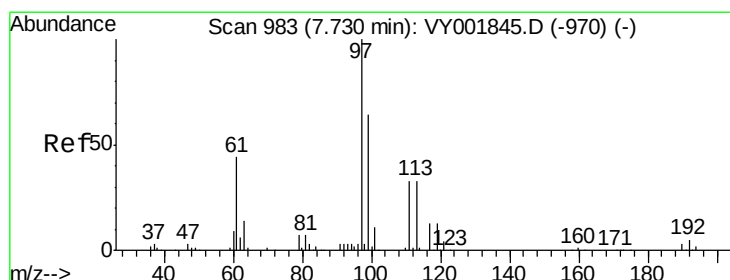
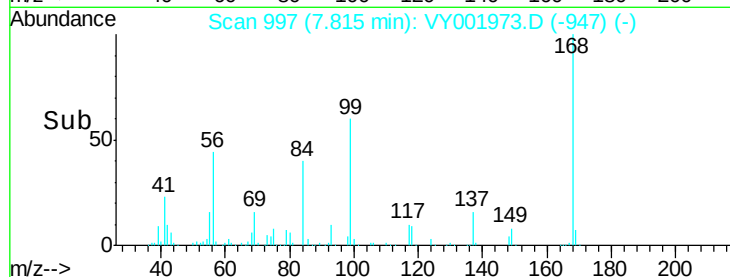
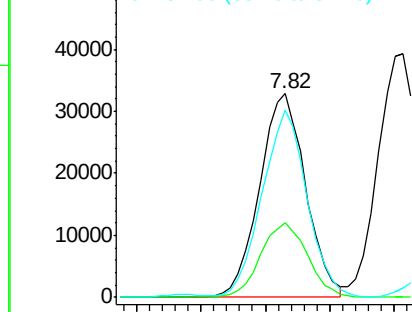
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3/17/2020 12:06:27 PM



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: 21.373 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

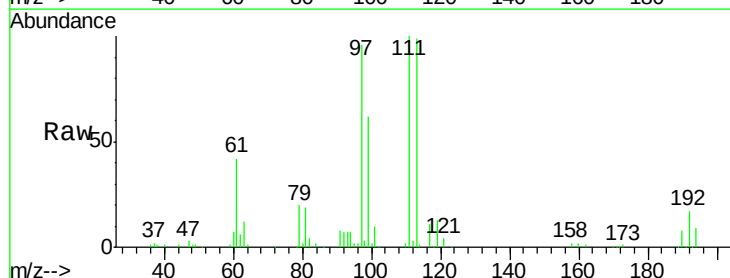
Tgt Ion: 97 Resp: 64102

Ion Ratio Lower Upper

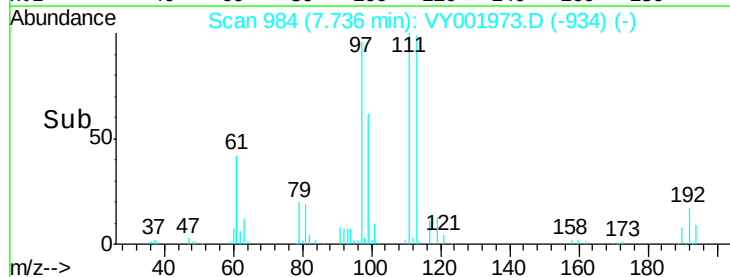
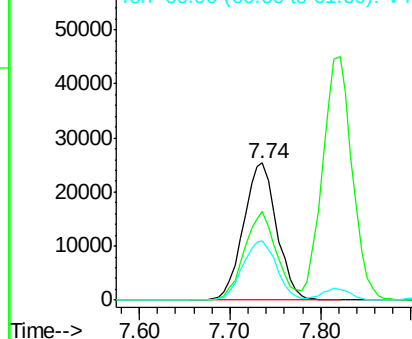
97 100

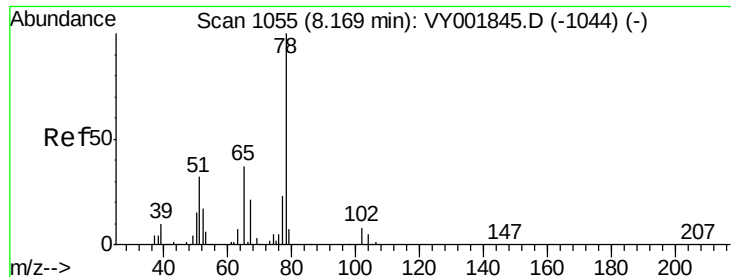
99 63.6 52.0 78.0

61 44.6 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





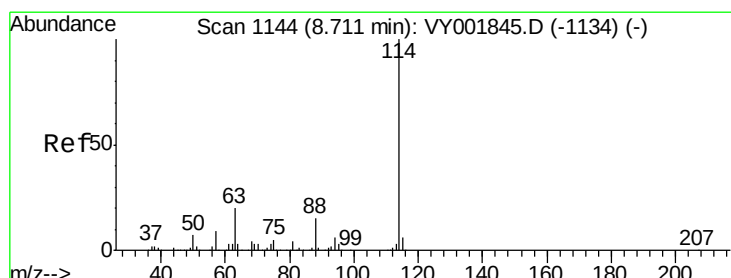
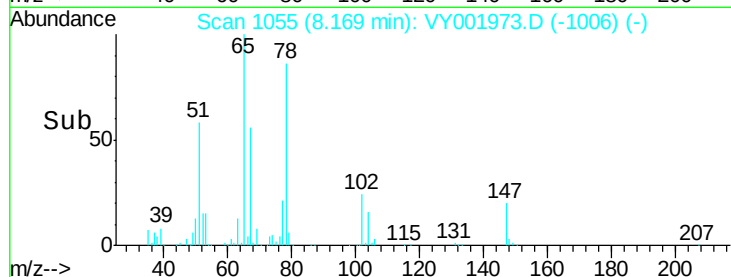
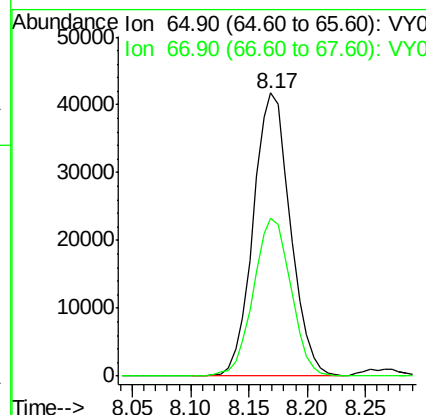
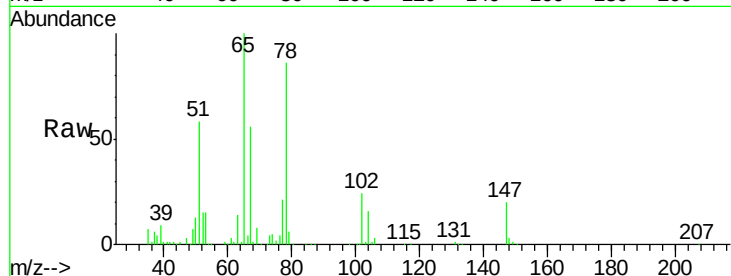
#33
 1,2-Dichloroethane-d4
 Concen: 50.046 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.1	0.0	110.8	

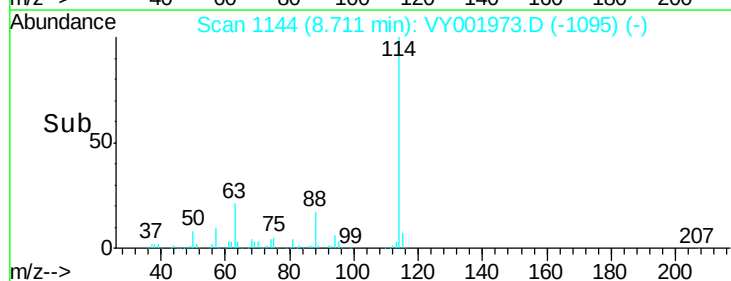
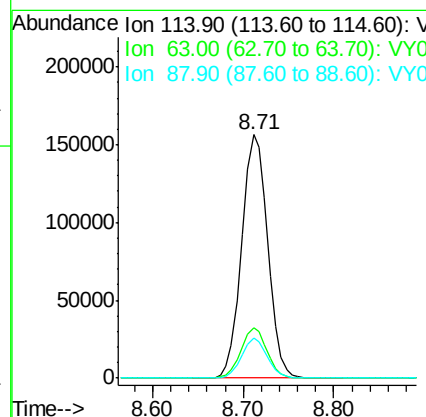
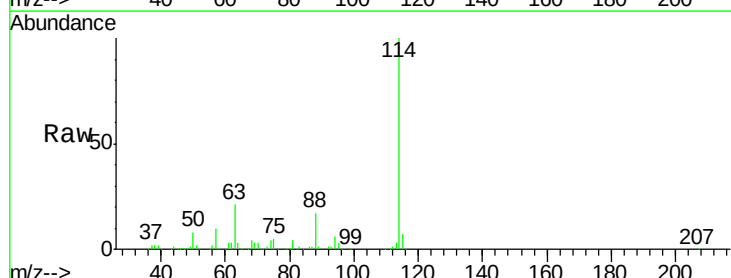
Manual Integrations
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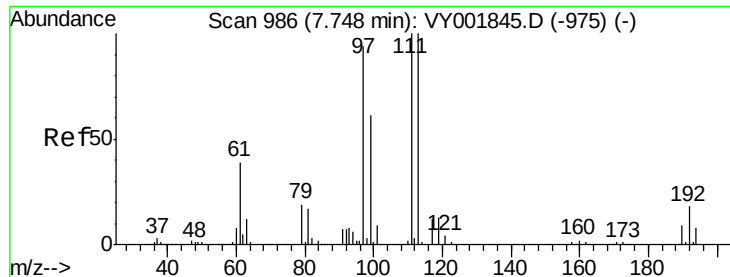
MMDadoda
 3/17/2020 12:06:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	39.4	
88	16.6	0.0	30.4	





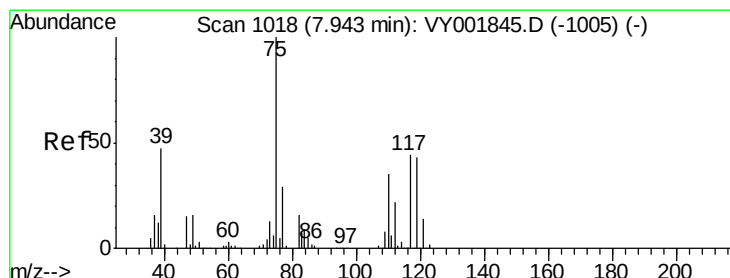
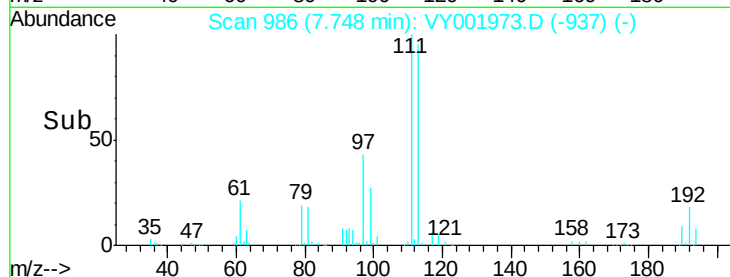
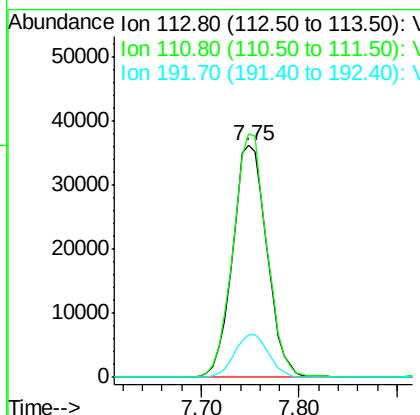
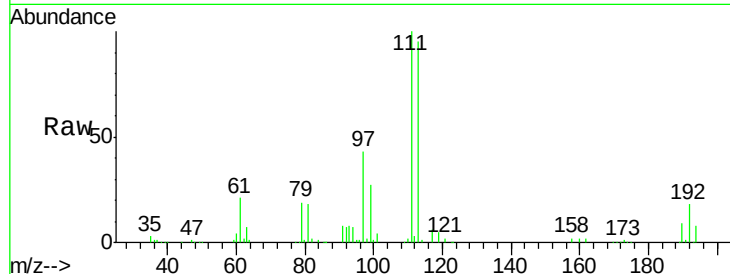
#35
 Dibromofluoromethane
 Concen: 52.131 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	18.6	14.2	21.2

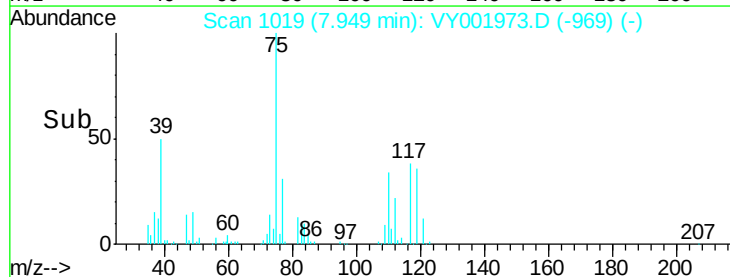
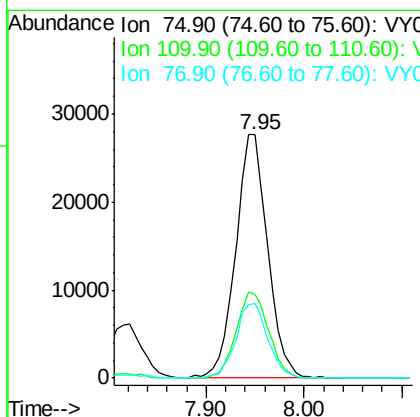
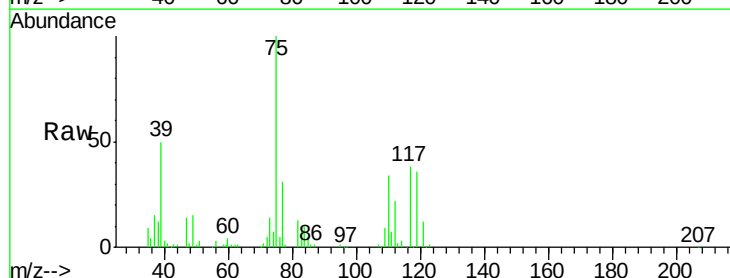
Manual Integrations
 APPROVED

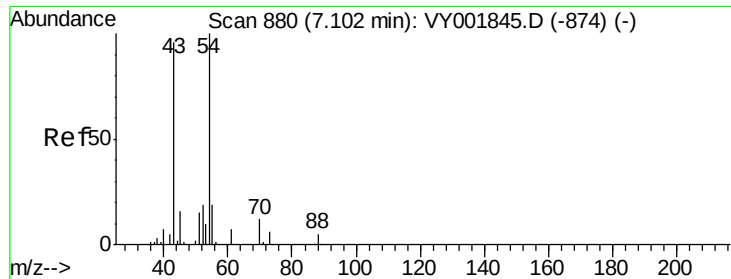
MMDadoda
 3/17/2020 12:06:27 PM



#36
 1,1-Dichloropropene
 Concen: 20.975 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.4	52.2
77	31.0	24.2	36.2





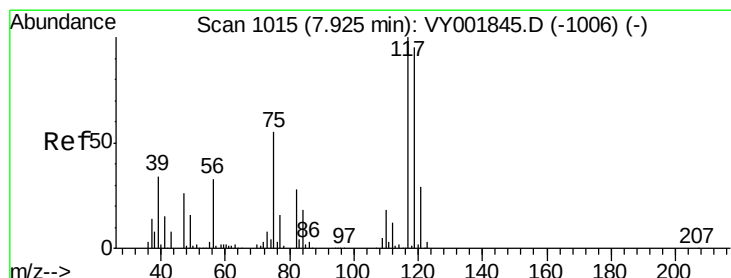
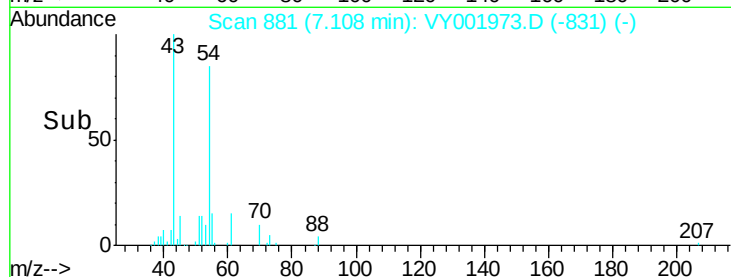
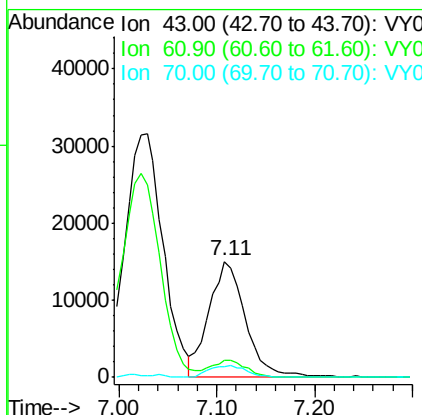
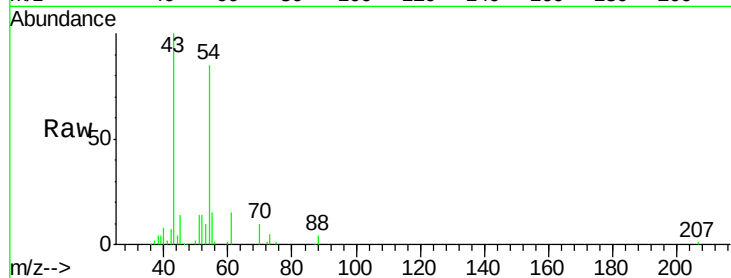
#37
Ethyl Acetate
Concen: 22.200 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

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

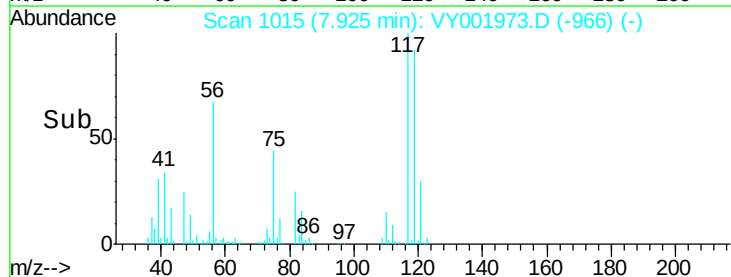
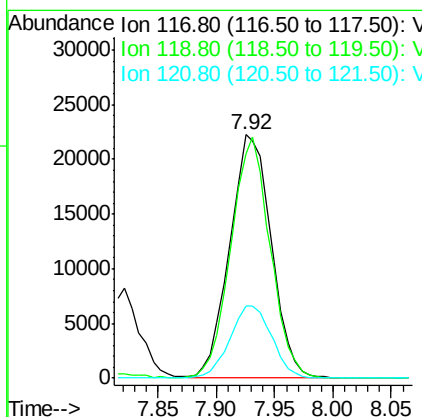
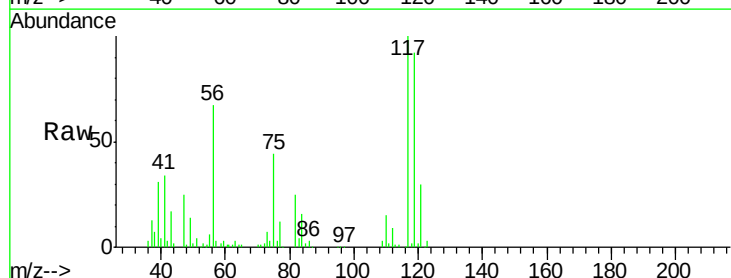
Manual Integrations
APPROVED

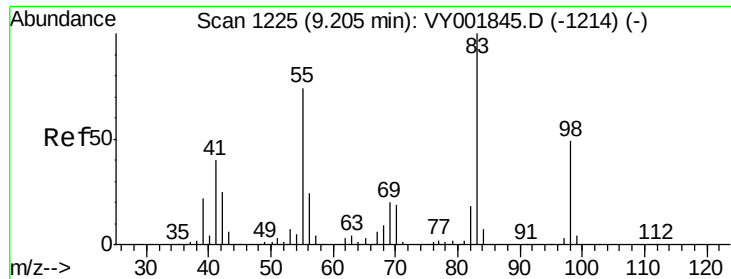
MMDadoda
3/17/2020 12:06:27 PM



#38
Carbon Tetrachloride
Concen: 21.726 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.3	114.5
121	29.6	23.5	35.3





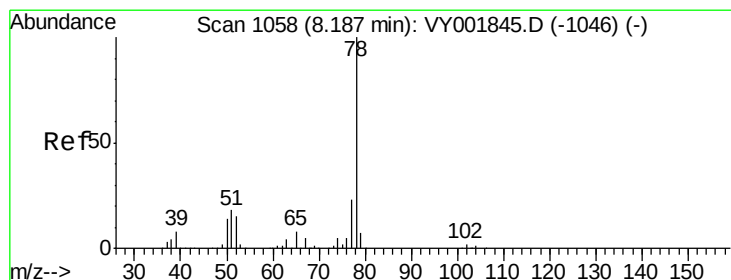
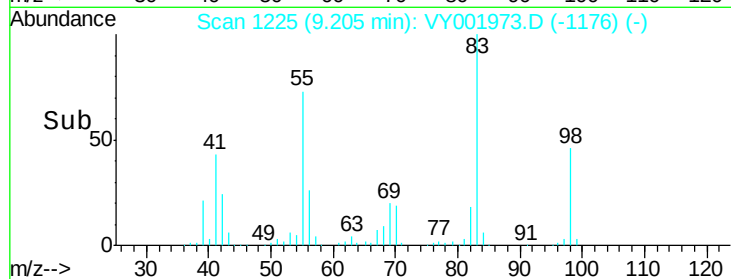
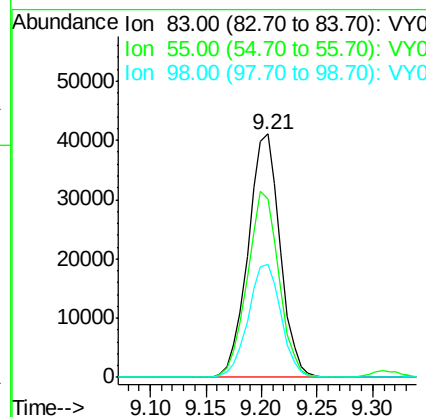
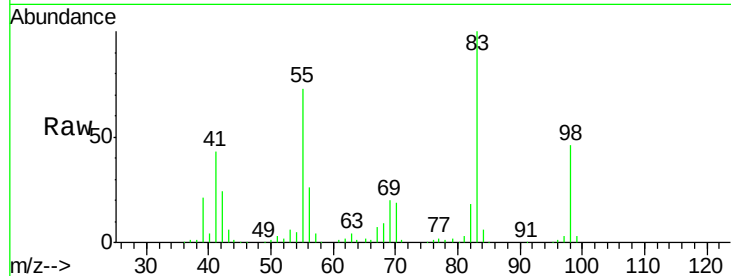
#39
Methylvlcyclohexane
Concen: 20.693 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	83	Resp	81934
Ion Ratio	Lower	Upper	
83	100		
55	73.1	59.4	89.0
98	46.5	38.9	58.3

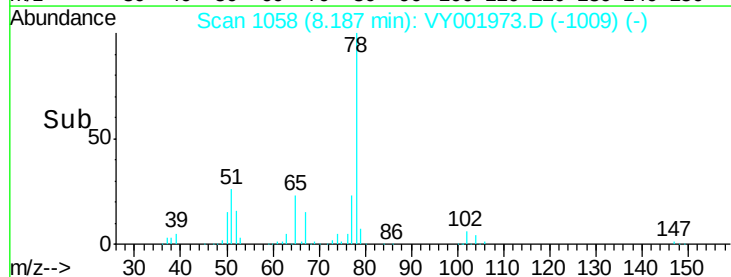
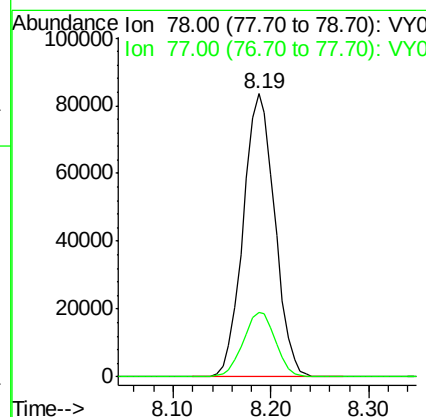
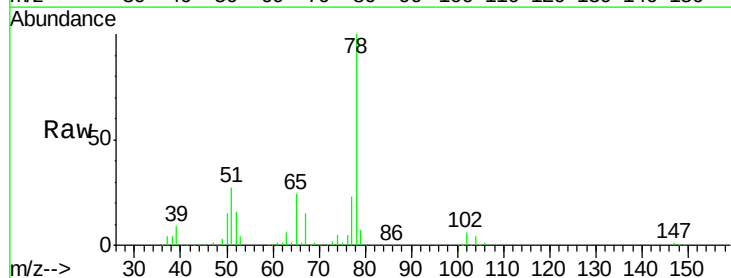
Manual Integrations
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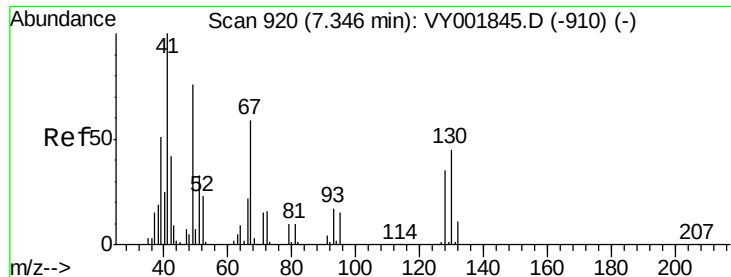
MMDadoda
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#40
Benzene
Concen: 21.098 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	78	Resp	186678
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.7	28.1





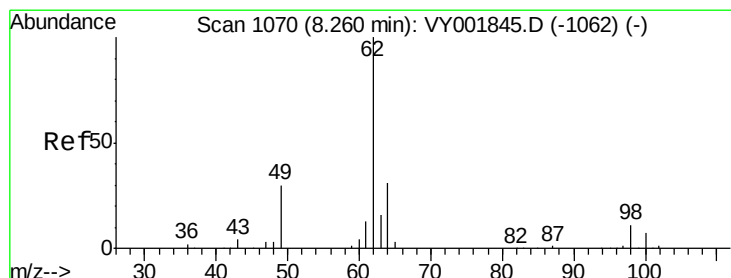
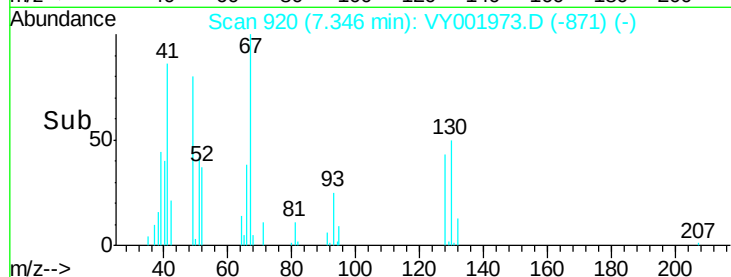
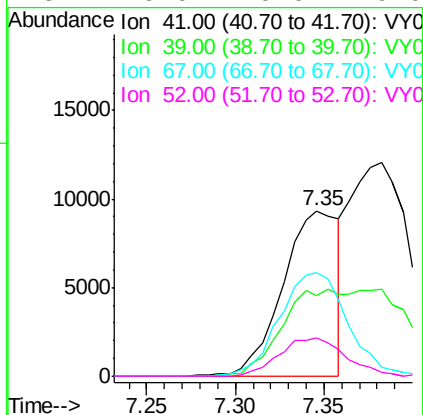
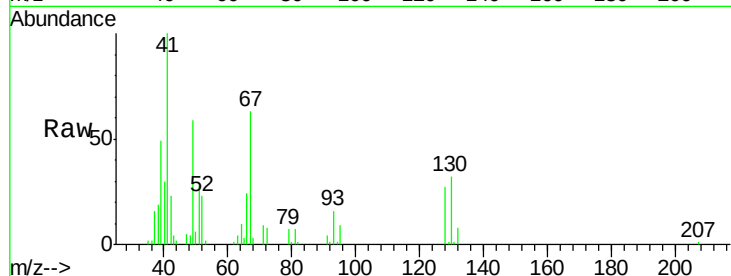
#41
Methacrylonitrile
Concen: 26.408 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	41	Resp	20620
Ion Ratio	Lower	Upper	
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

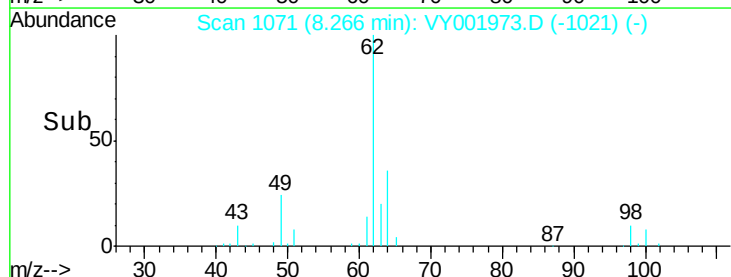
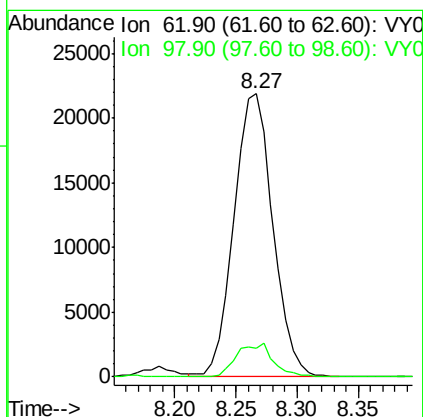
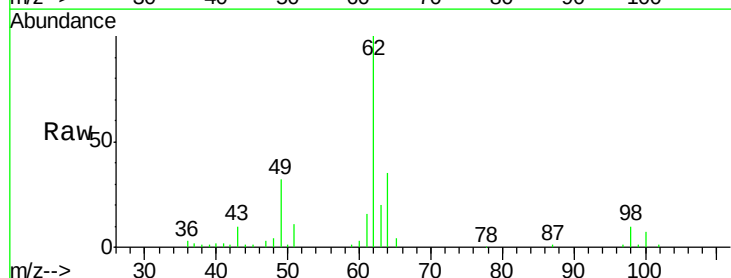
Manual Integrations
APPROVED

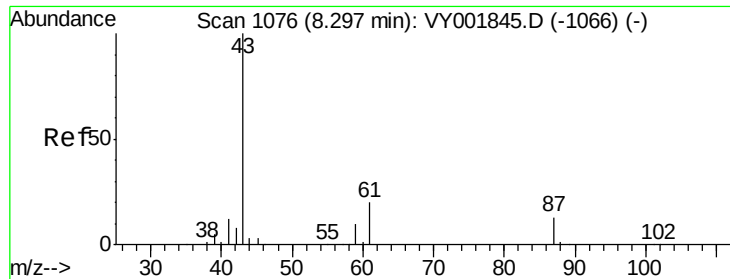
MMDadoda
3/17/2020 12:06:27 PM



#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	62	Resp	48280
Ion Ratio	Lower	Upper	
62	100		
98	11.3	0.0	21.4





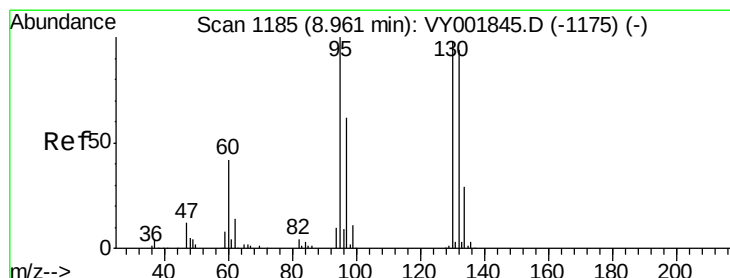
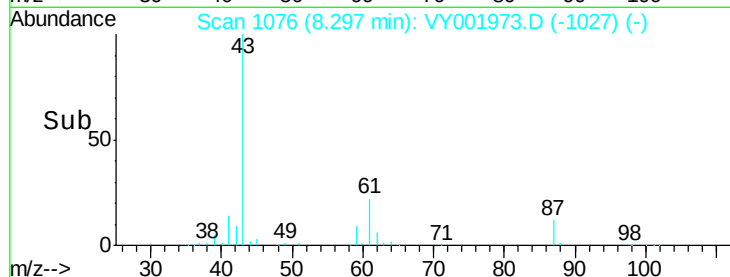
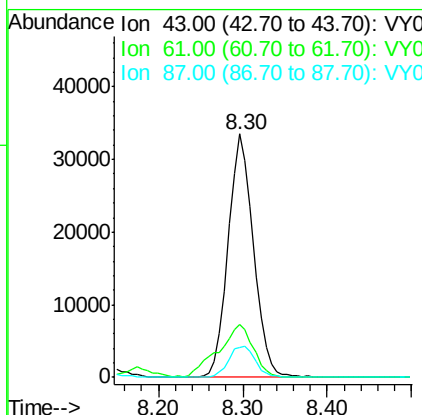
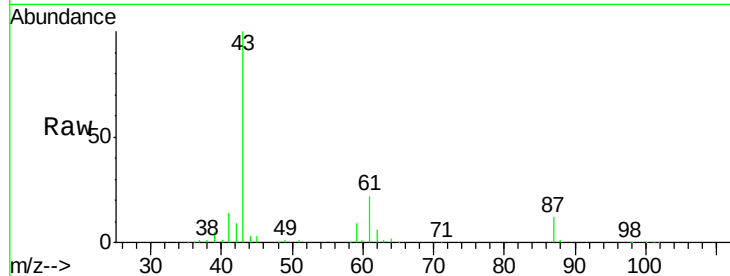
#43
Isopropyl Acetate
Concen: 20.944 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.8	35.6
87	13.3	10.9	16.3

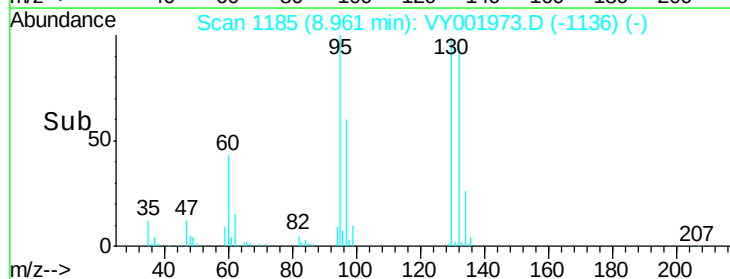
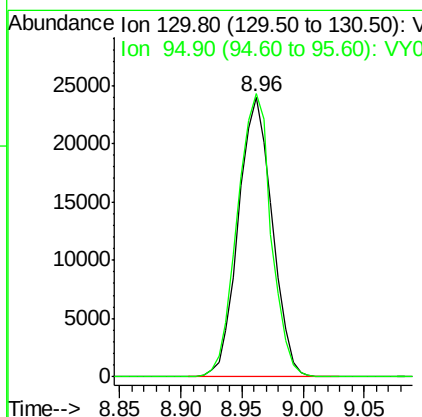
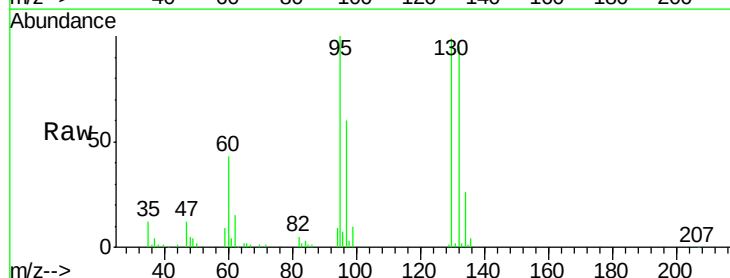
Manual Integrations
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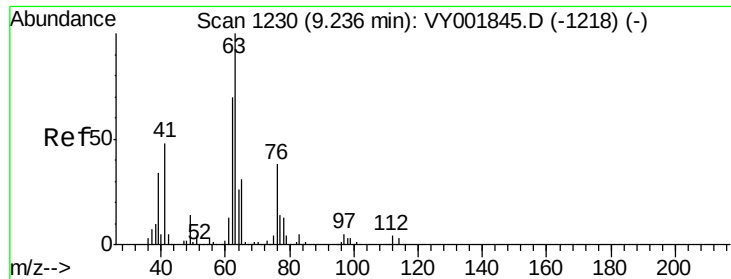
MMDadoda
3/17/2020 12:06:27 PM



#44
Trichloroethene
Concen: 21.363 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	204.6





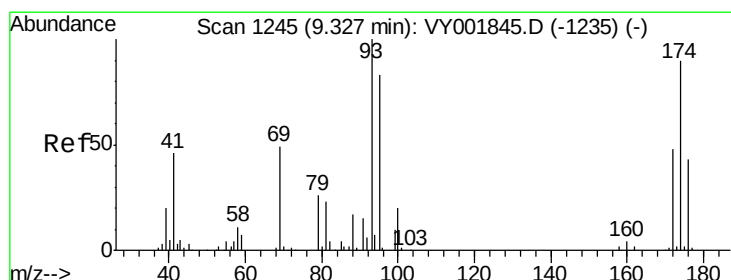
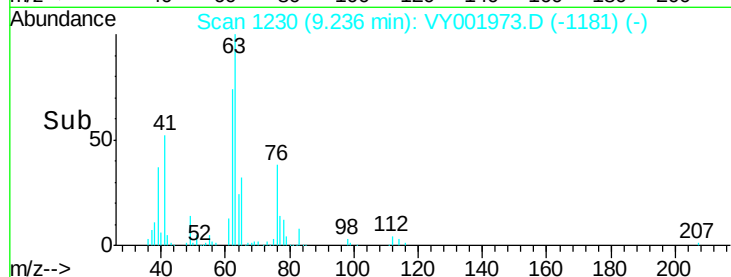
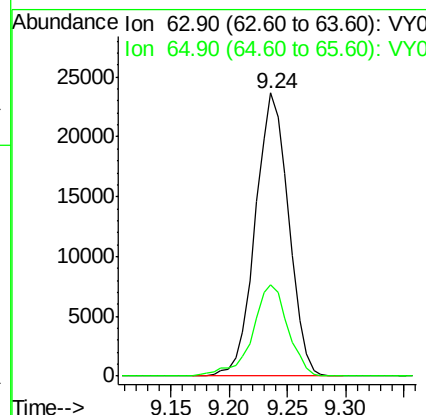
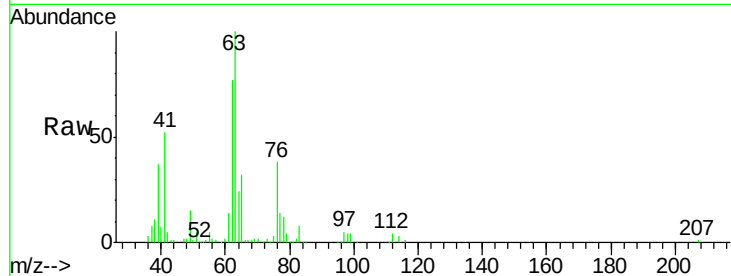
#45
 1,2-Dichloropropane
 Concen: 21.145 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.9	37.3

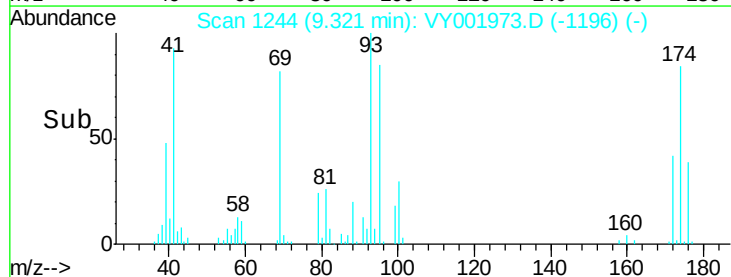
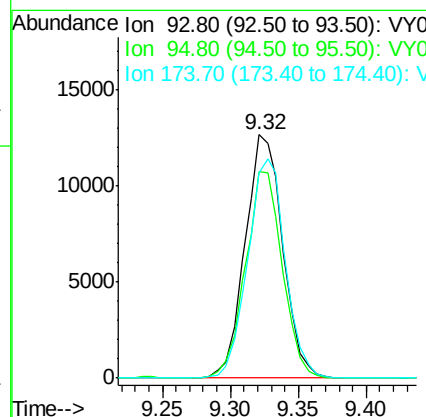
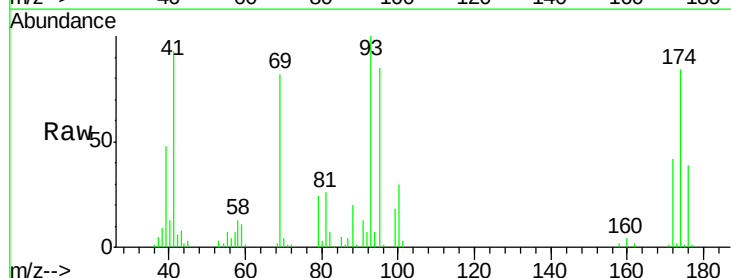
Manual Integrations
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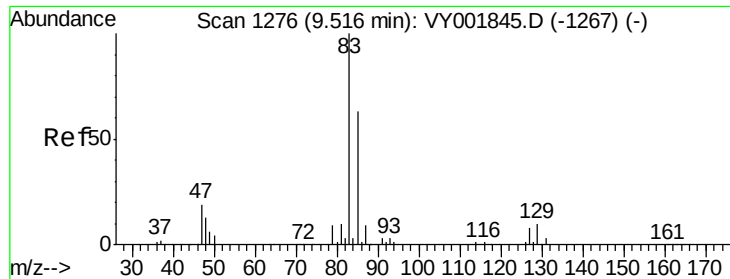
MMDadoda
 3/17/2020 12:06:27 PM



#46
 Dibromomethane
 Concen: 21.337 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.0	100.4
174	89.7	71.8	107.8





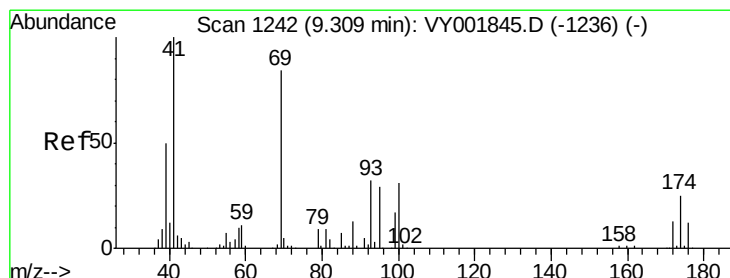
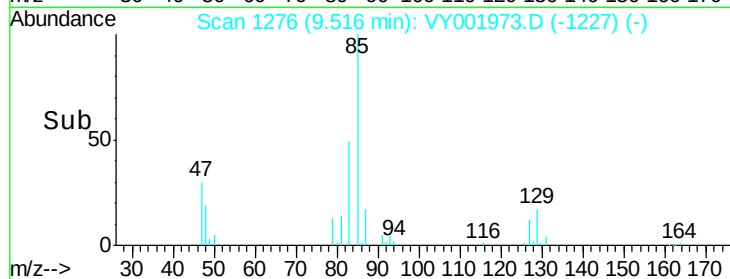
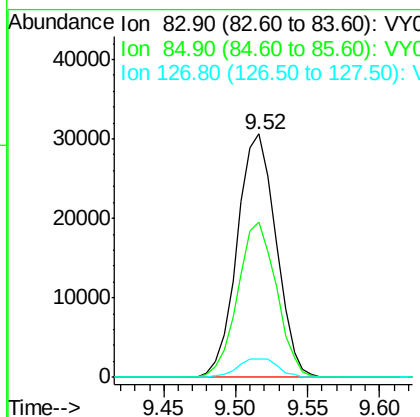
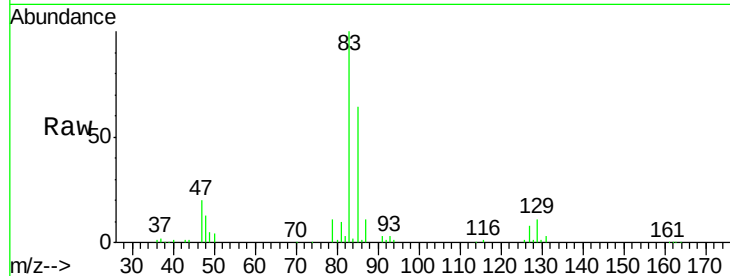
#47
Bromodichloromethane
Concen: 21.513 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	83	Resp	57361
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	7.5	6.2	9.4

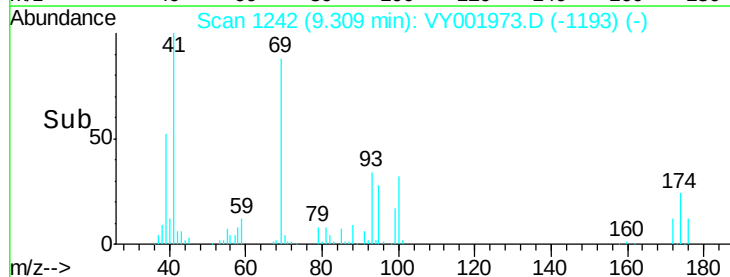
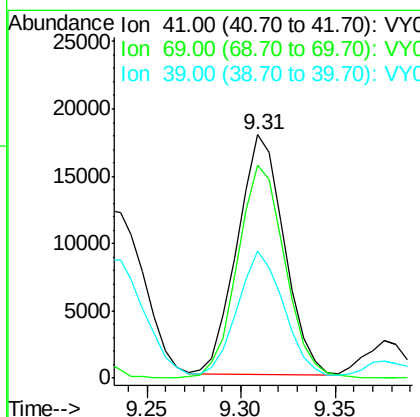
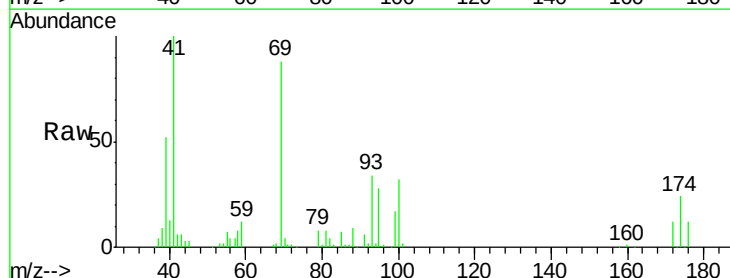
Manual Integrations
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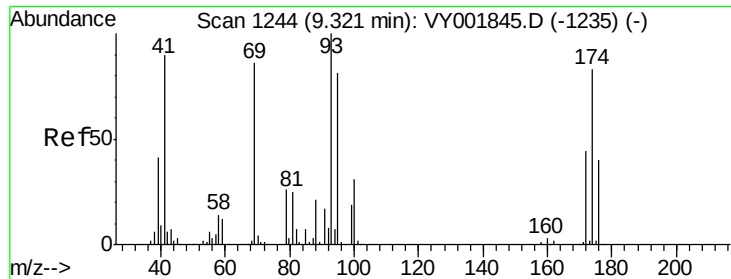
MMDadoda
3/17/2020 12:06:27 PM



#48
Methyl methacrylate
Concen: 21.096 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	41	Resp	30750
Ion Ratio	100	Lower	Upper
41	100		
69	90.0	69.0	103.6
39	53.2	39.1	58.7





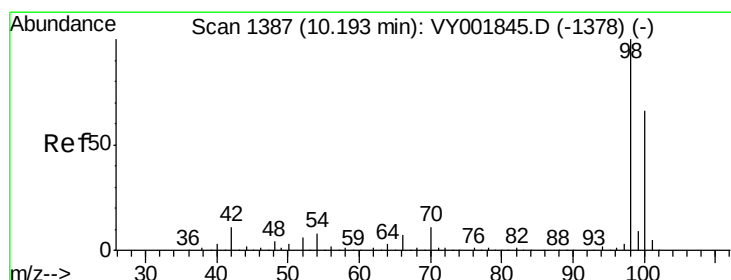
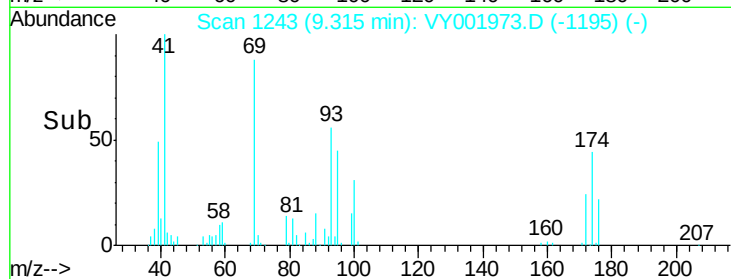
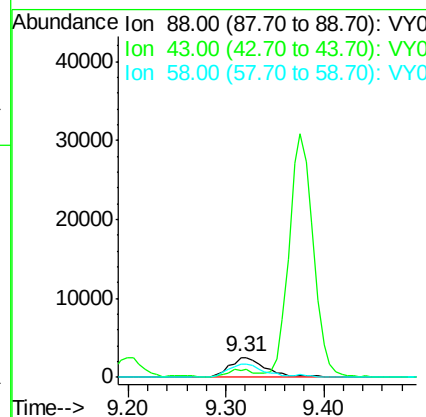
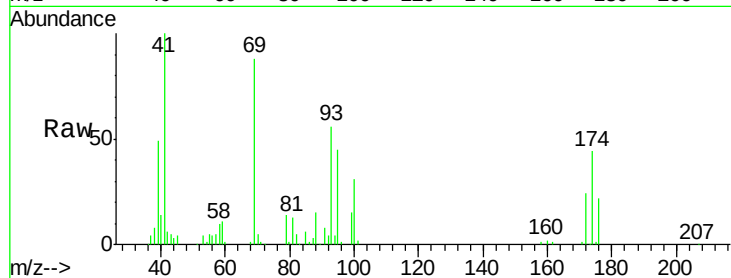
#49
1,4-Dioxane
Concen: 417.031 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	25.0	37.6
58	66.0	58.9	88.3

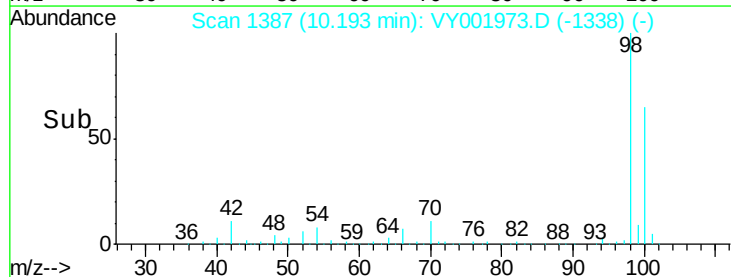
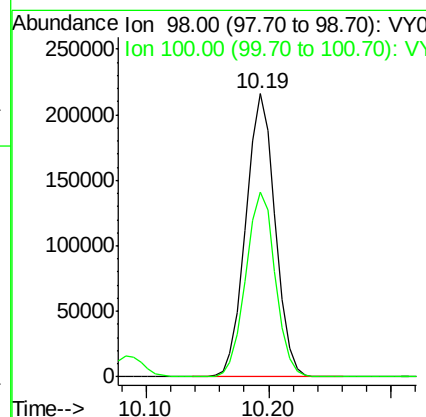
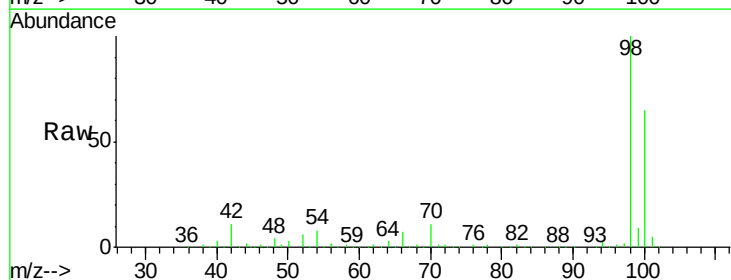
Manual Integrations
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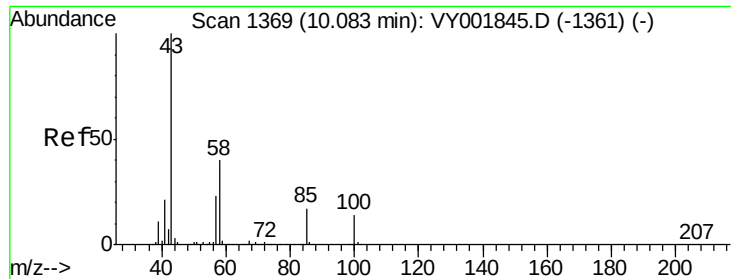
MMDadoda
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#50
Toluene-d8
Concen: 50.301 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4





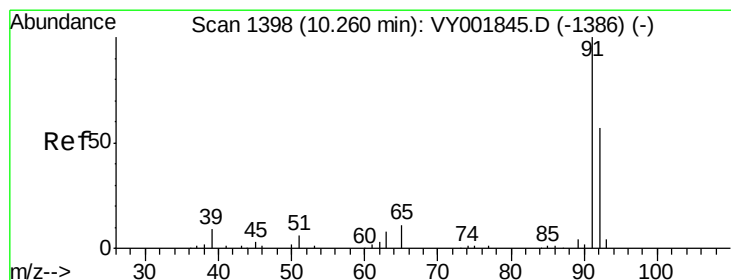
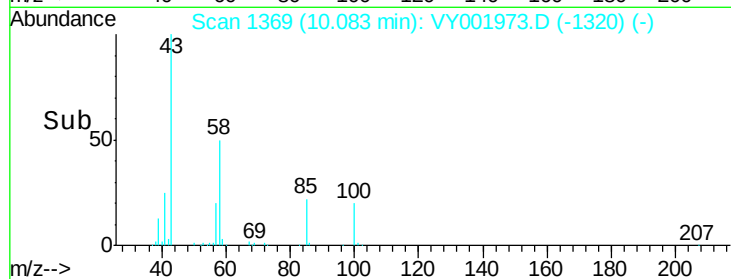
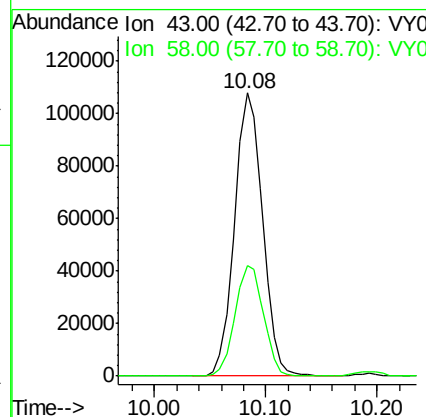
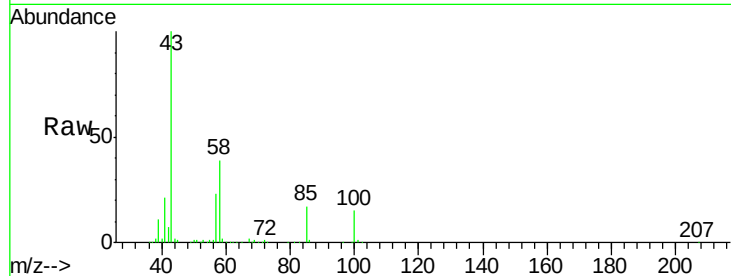
#51
4-Methyl-2-Pentanone
Concen: 110.773 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	43	Resp	187423
Ion Ratio	43	100	
Lower	58	39.9	32.0
Upper			48.0

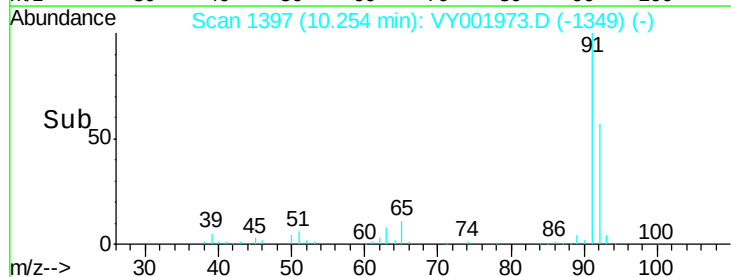
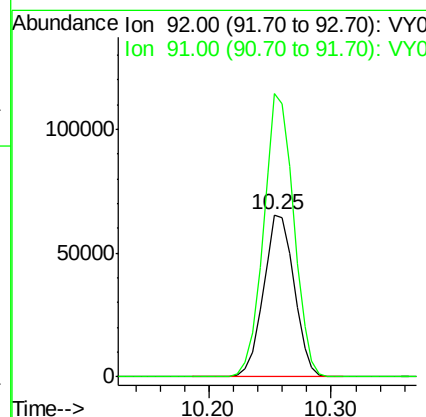
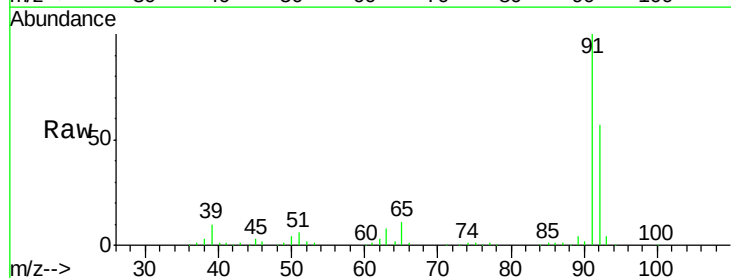
Manual Integrations
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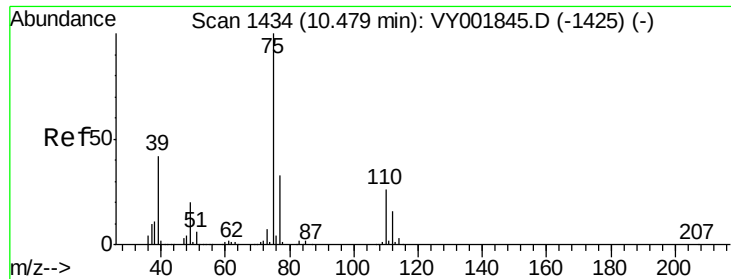
MMDadoda
3/17/2020 12:06:27 PM



#52
Toluene
Concen: 21.363 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	92	Resp	114832
Ion Ratio	92	100	
Lower	91	170.6	138.6
Upper			208.0





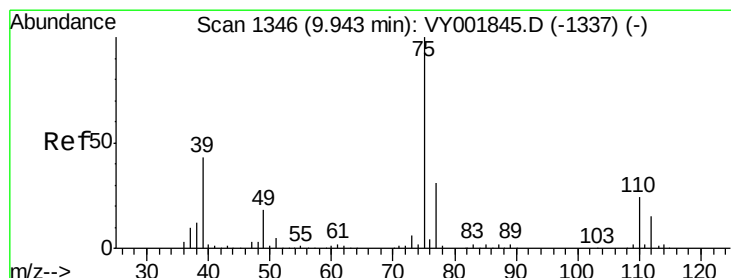
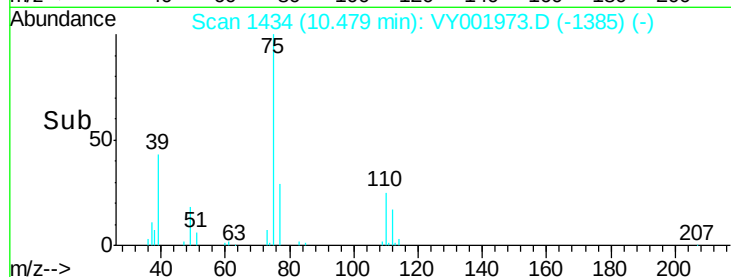
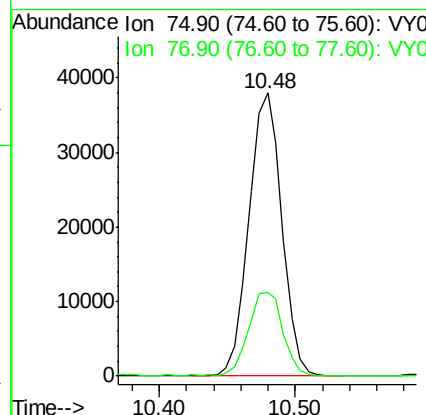
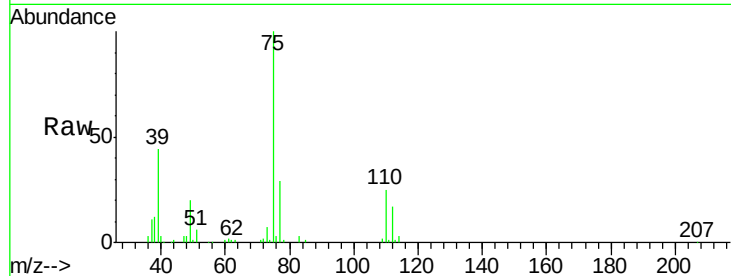
#53
t-1,3-Dichloropropene
Concen: 22.149 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	26.3	39.5

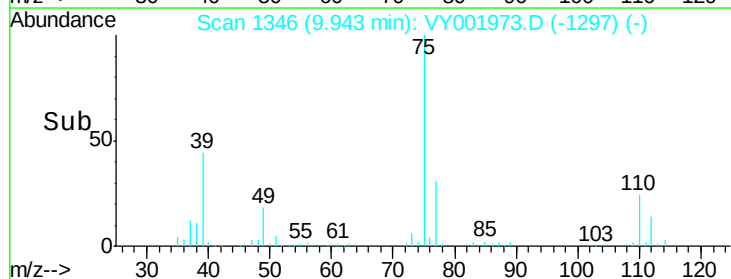
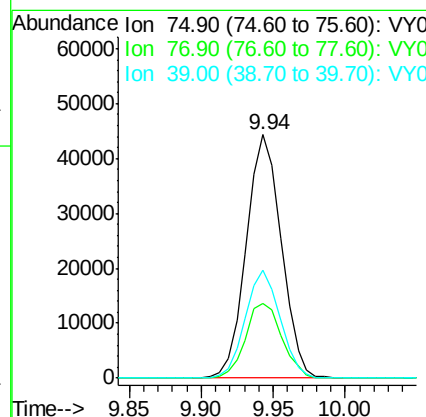
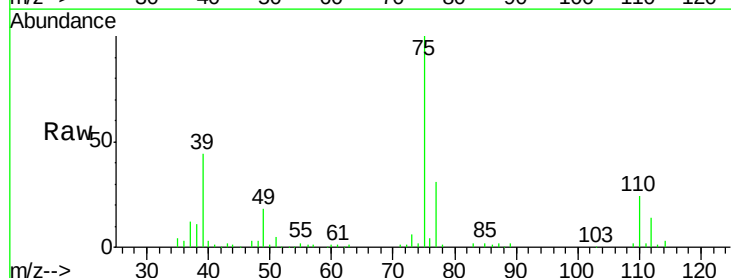
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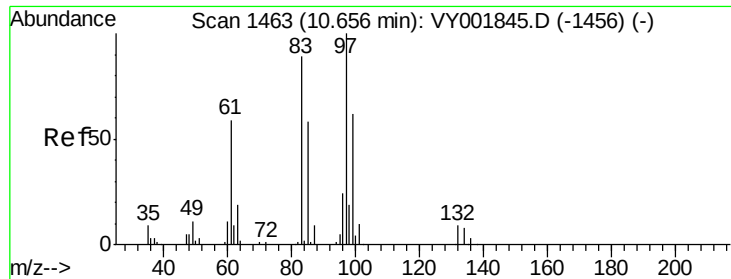
MMDadoda
3/17/2020 12:06:27 PM



#54
cis-1,3-Dichloropropene
Concen: 21.552 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	44.4	34.7	52.1





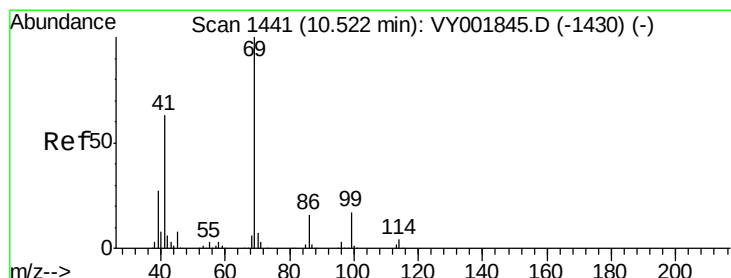
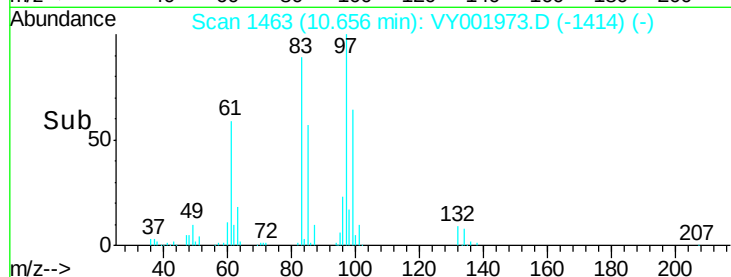
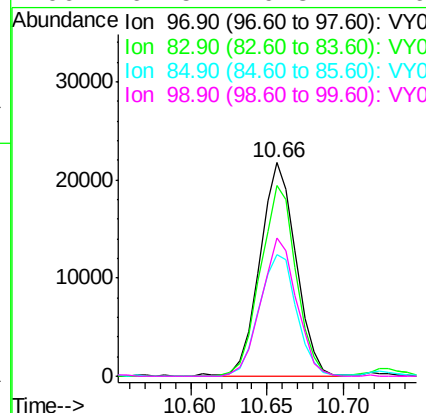
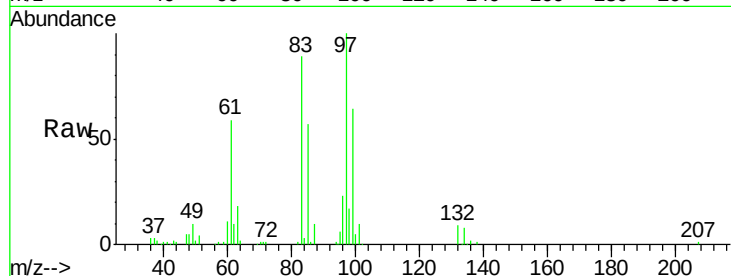
#55
 1,1,2-Trichloroethane
 Concen: 21.409 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.6	107.4
85	56.8	46.6	69.8
99	64.5	49.8	74.6

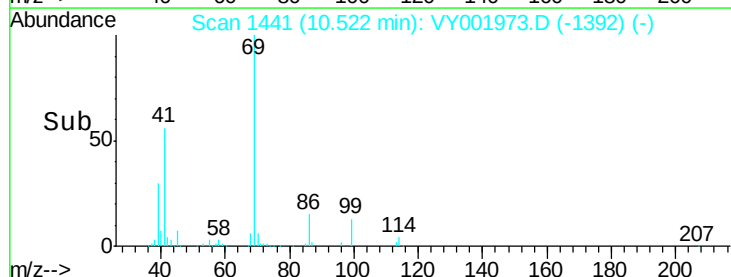
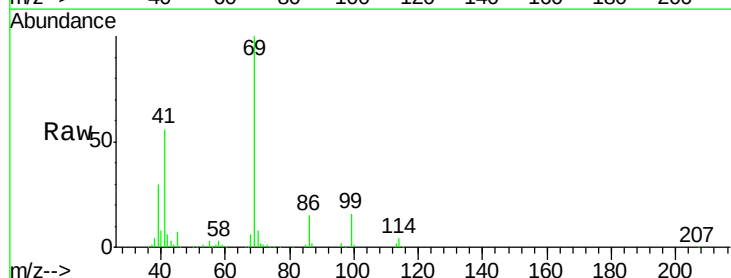
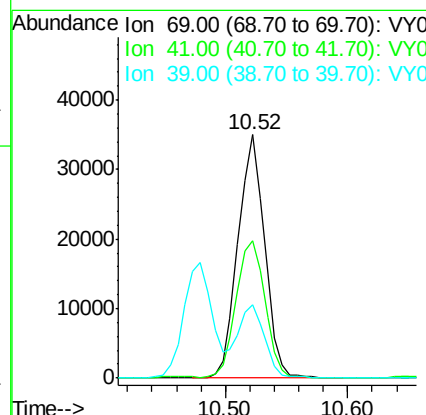
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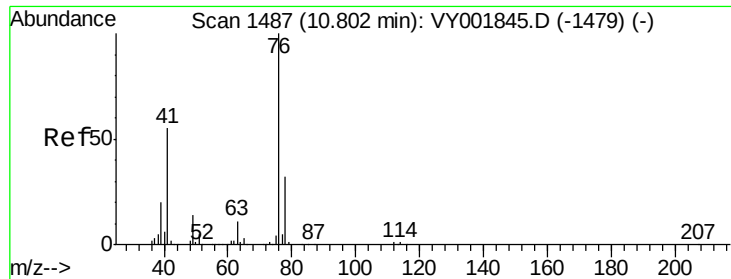
MMDadoda
 3/17/2020 12:06:27 PM



#56
 Ethyl methacrylate
 Concen: 21.397 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.9	74.9
39	31.9	23.0	34.6





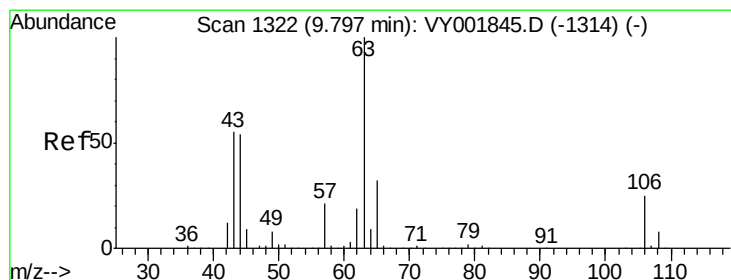
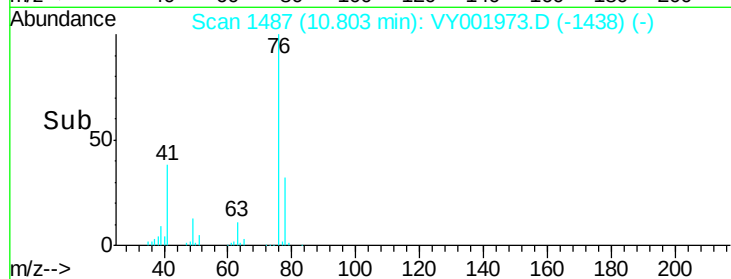
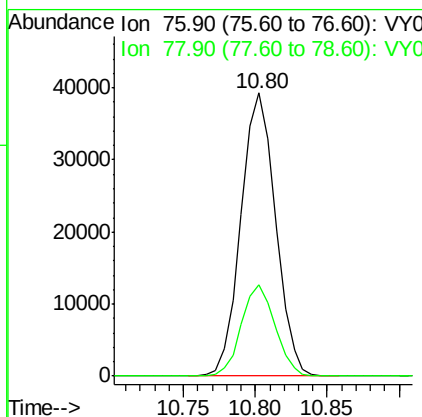
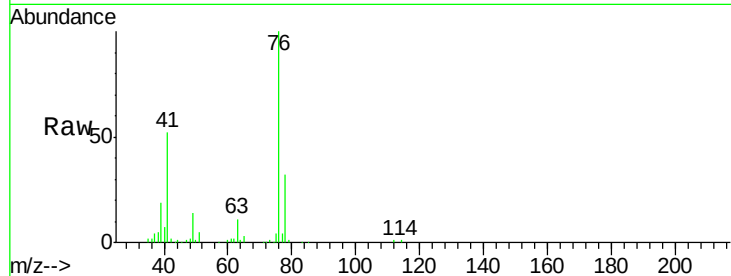
#57
 1,3-Dichloropropane
 Concen: 21.856 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

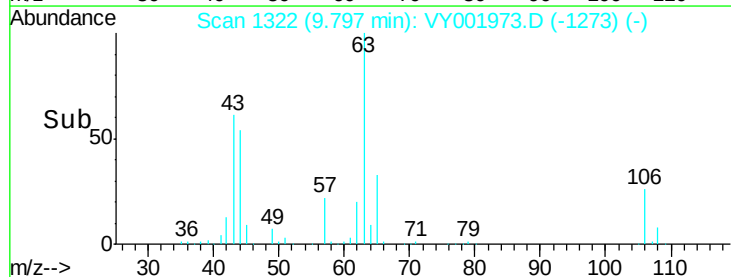
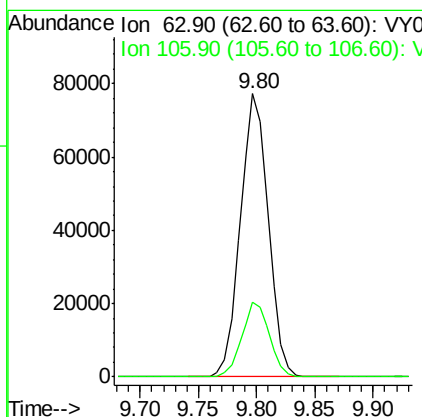
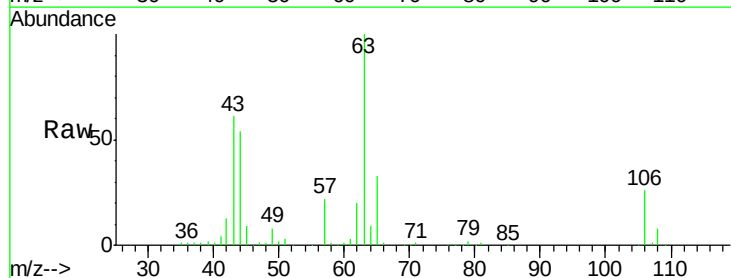
Manual Integrations
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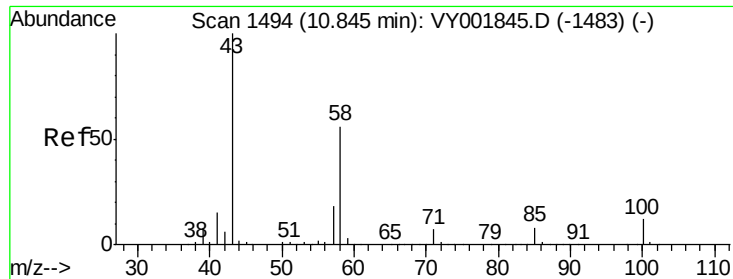
MMDadoda
 3/17/2020 12:06:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 135.505 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.3	31.9





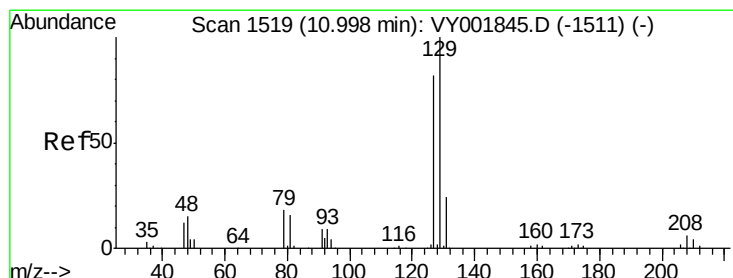
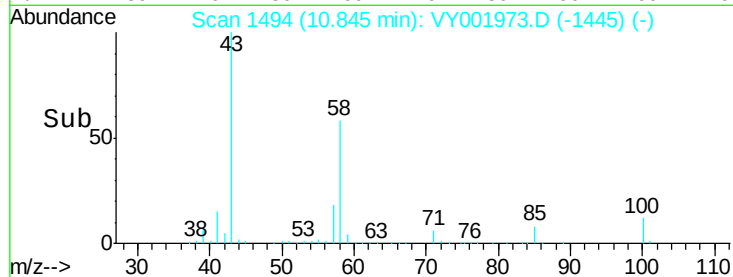
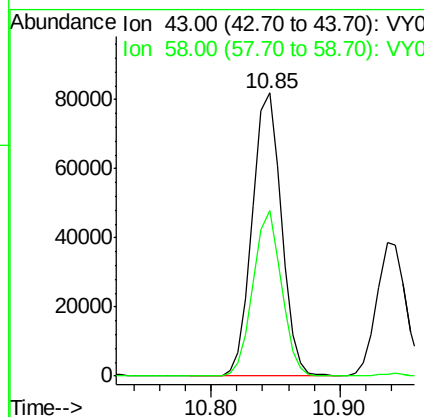
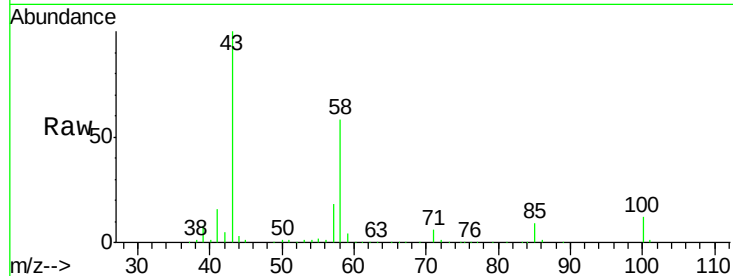
#59
2-Hexanone
Concen: 106.244 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion: 43 Resp: 128305
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

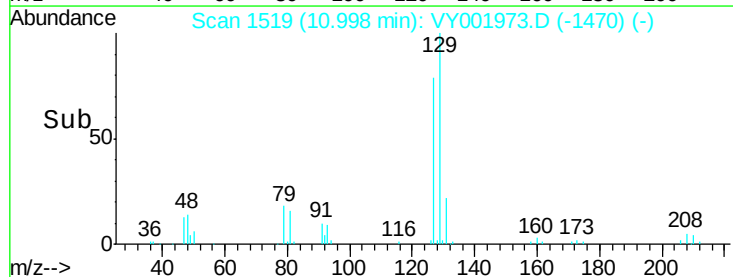
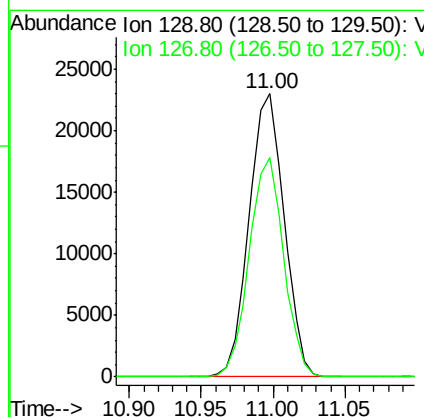
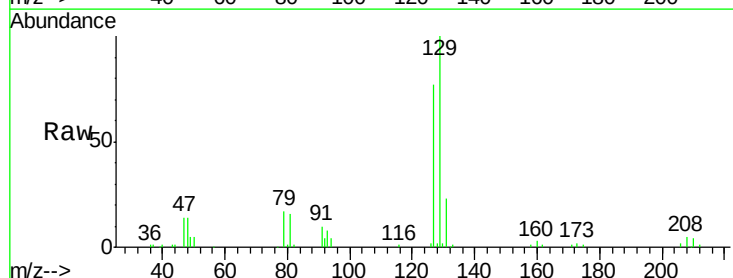
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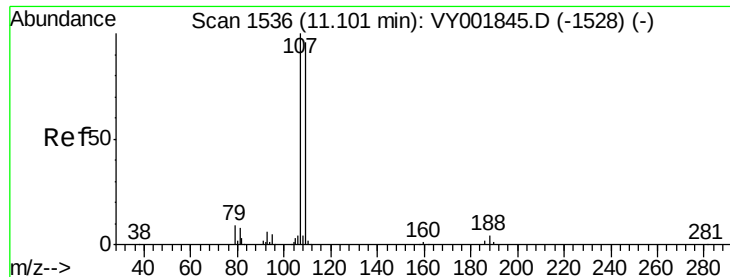
MMDadoda
3/17/2020 12:06:27 PM



#60
Dibromochloromethane
Concen: 21.925 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion:129 Resp: 38756
Ion Ratio Lower Upper
129 100
127 75.8 39.0 117.0





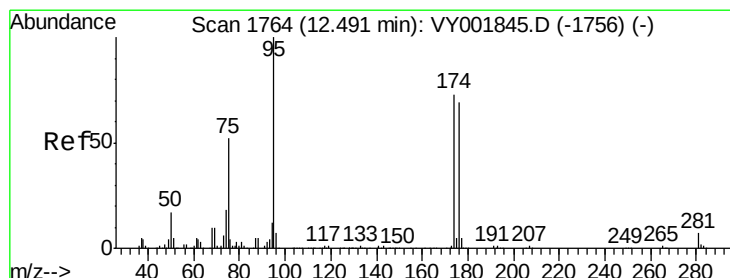
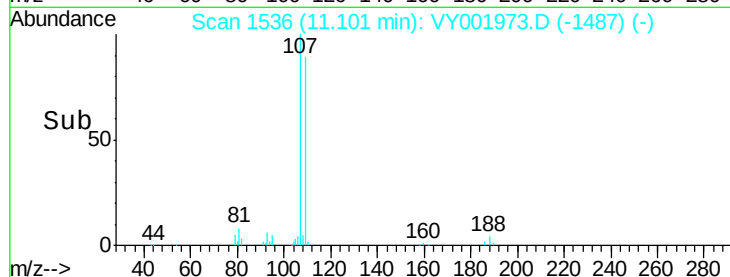
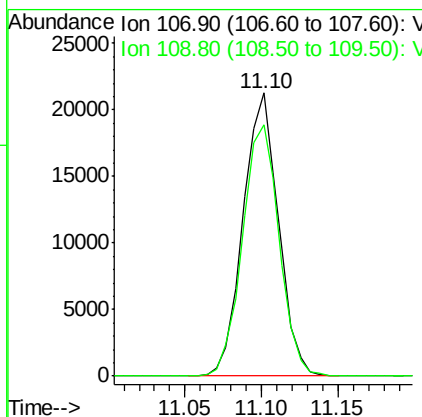
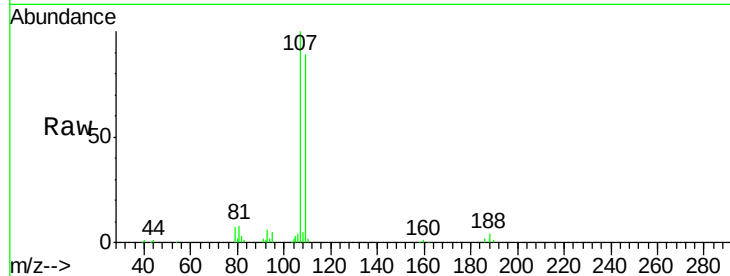
#61
 1,2-Dibromoethane
 Concen: 21.462 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion: 107 Resp: 34103
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.4 113.0

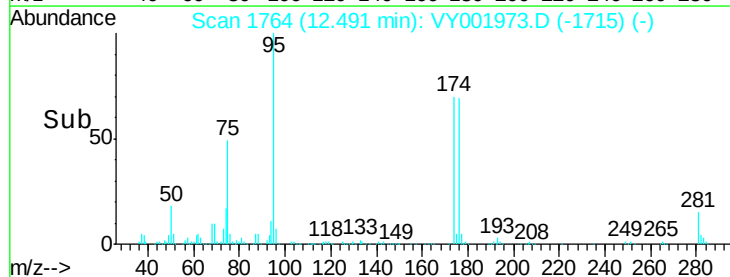
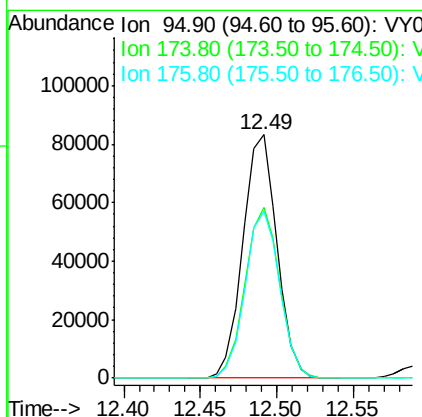
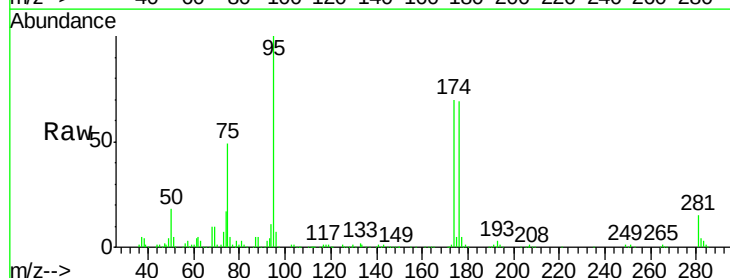
Manual Integrations
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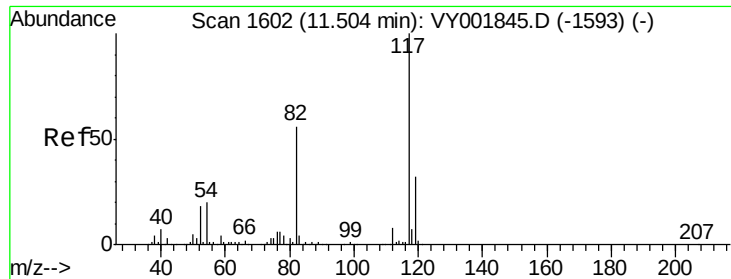
MMDadoda
 3/17/2020 12:06:27 PM



#62
 4-Bromofluorobenzene
 Concen: 51.910 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion: 95 Resp: 128929
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 145.0
 176 69.5 0.0 137.4





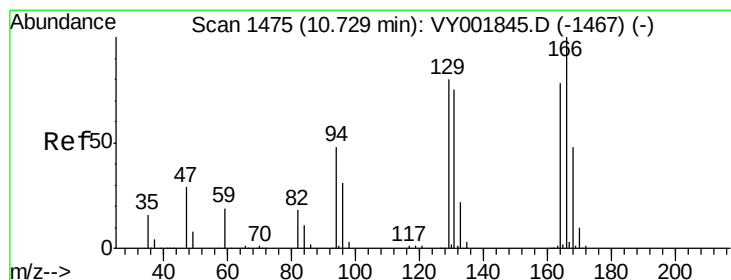
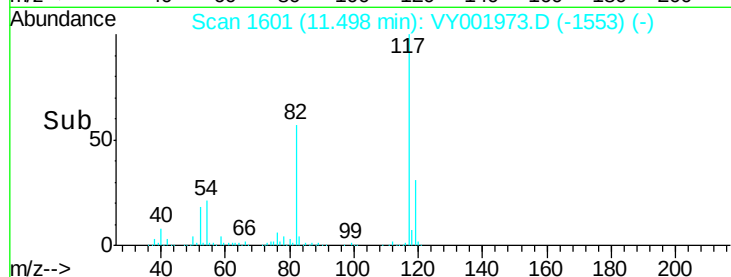
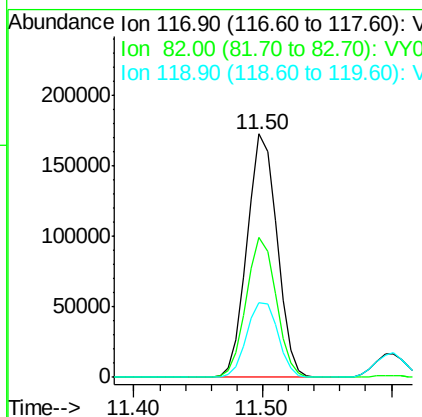
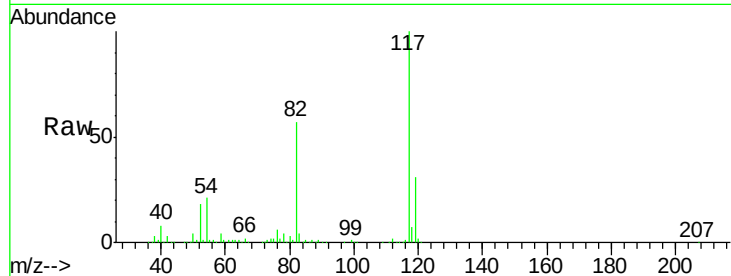
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277088		
82	57.3		44.5	66.7
119	30.8		25.7	38.5

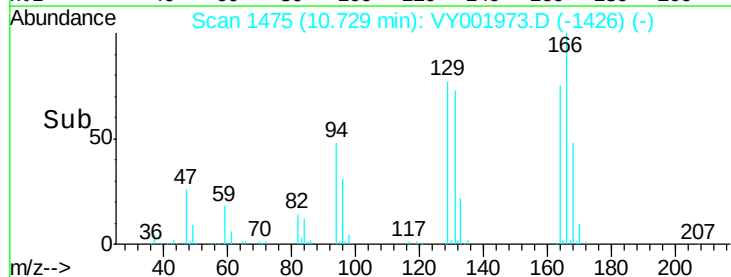
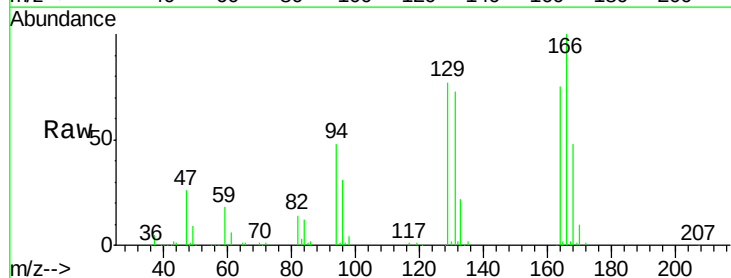
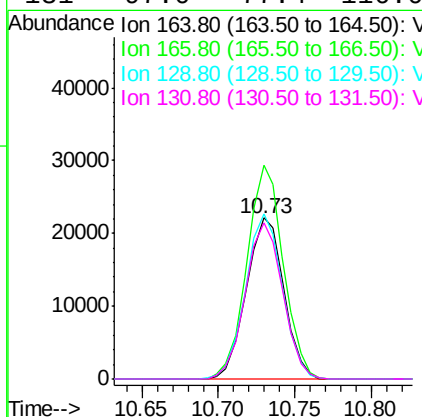
Manual Integrations
APPROVED

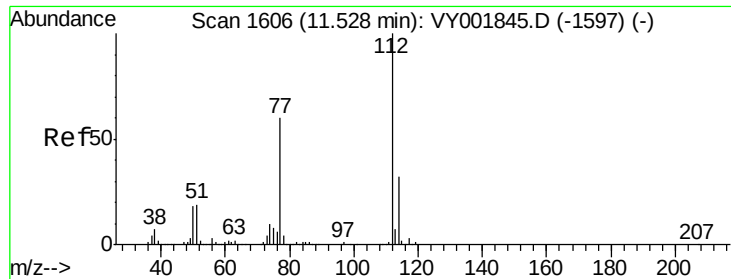
MMDadoda
3/17/2020 12:06:27 PM



#64
Tetrachloroethene
Concen: 21.673 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37661		
166	132.5		102.6	154.0
129	102.5		82.3	123.5
131	97.0		77.4	116.0





#65

Chlorobenzene

Concen: 21.383 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:112 Resp: 118059

Ion Ratio Lower Upper

112 100

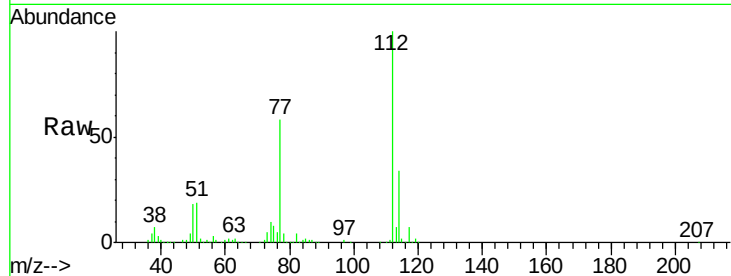
114 33.8 25.9 38.9

Manual Integrations

APPROVED

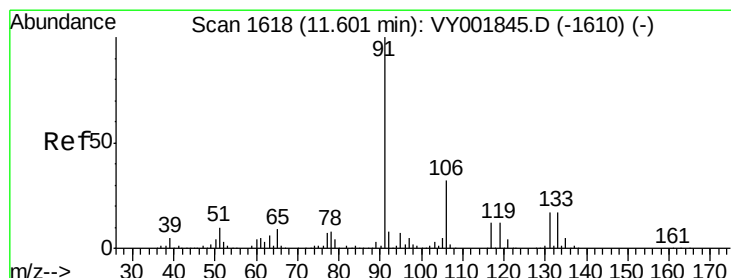
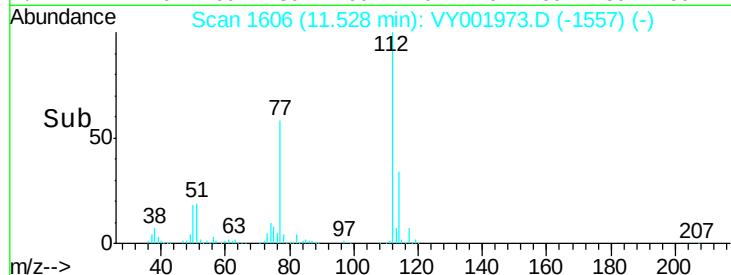
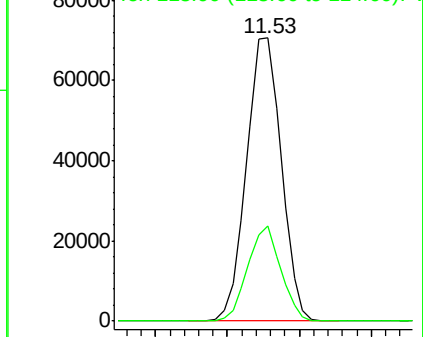
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.859 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

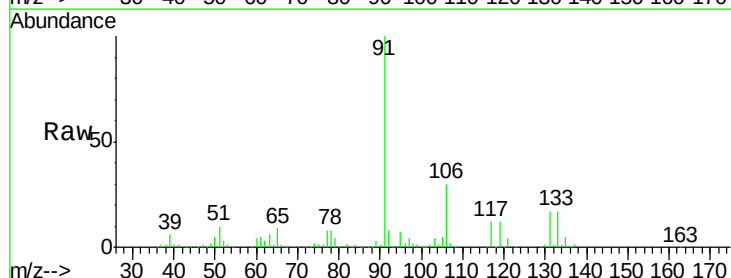
Tgt Ion:131 Resp: 39576

Ion Ratio Lower Upper

131 100

133 95.8 47.1 141.3

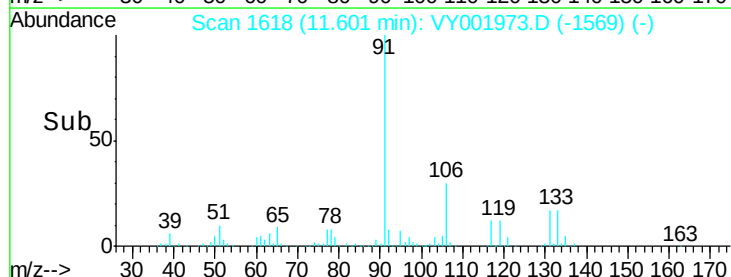
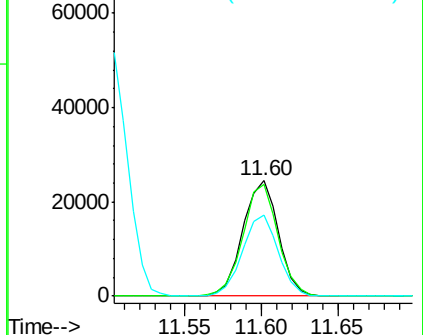
119 70.6 34.5 103.6

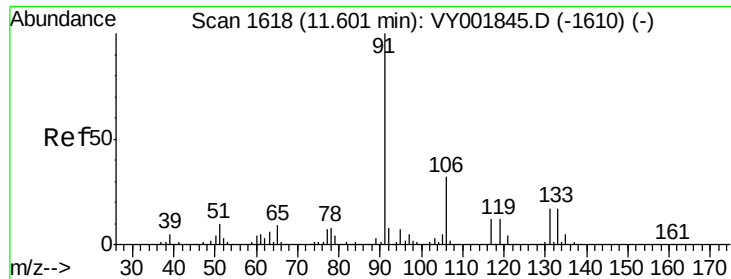


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





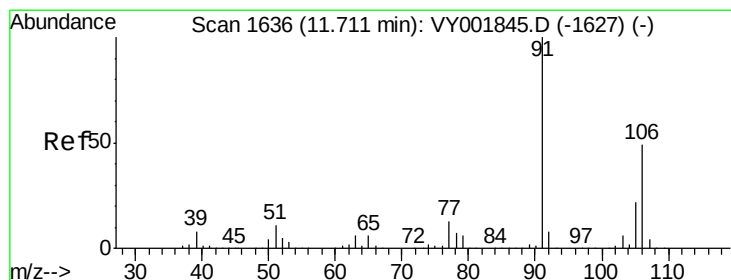
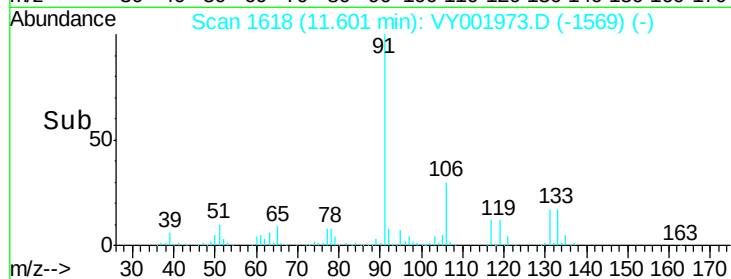
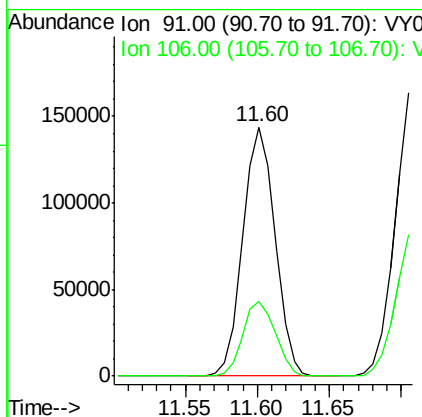
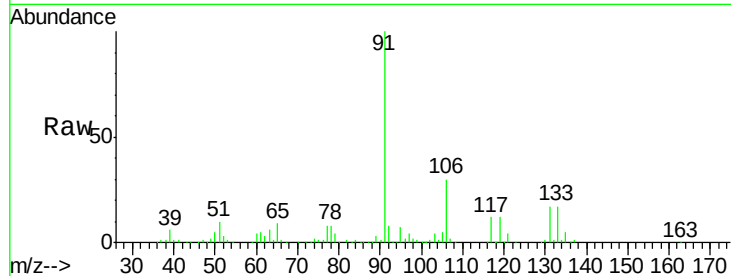
#67
Ethyl Benzene
Concen: 21.595 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	91	Resp	222364
Ion Ratio	100	Lower	Upper
106	30.1	25.4	38.2

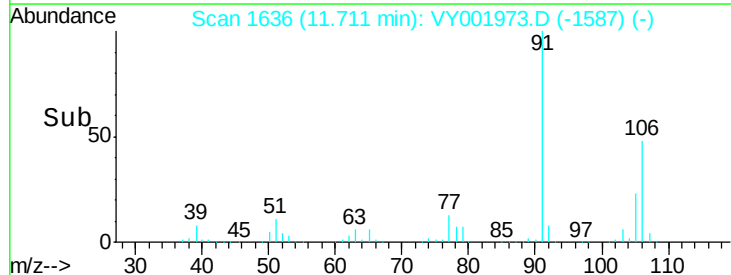
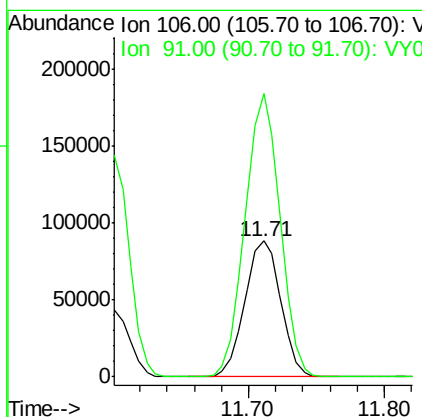
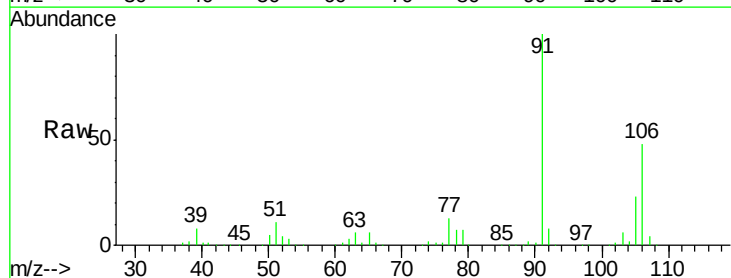
Manual Integrations
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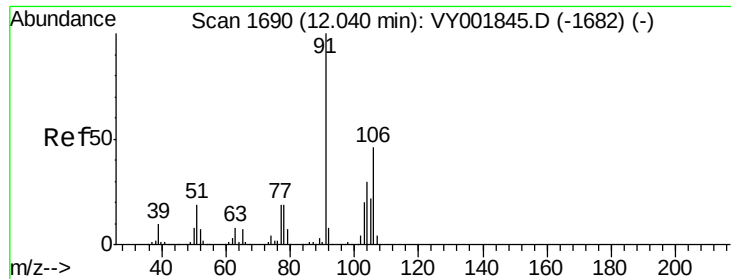
MMDadoda
3/17/2020 12:06:27 PM



#68
m/p-Xylenes
Concen: 42.933 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	106	Resp	163438
Ion Ratio	100	Lower	Upper
91	202.9	161.3	241.9





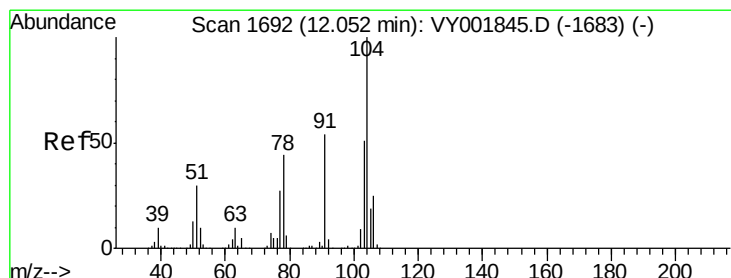
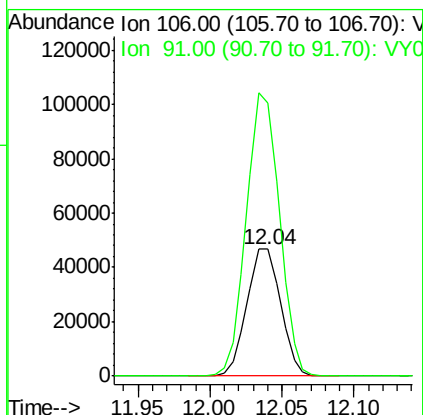
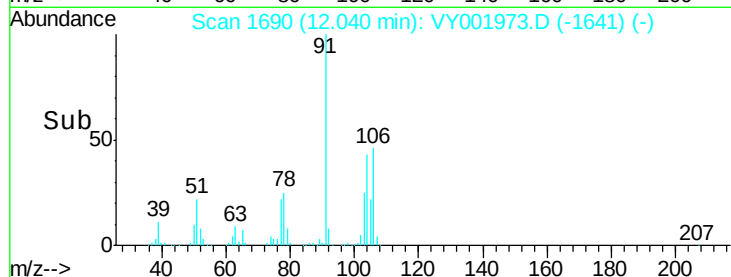
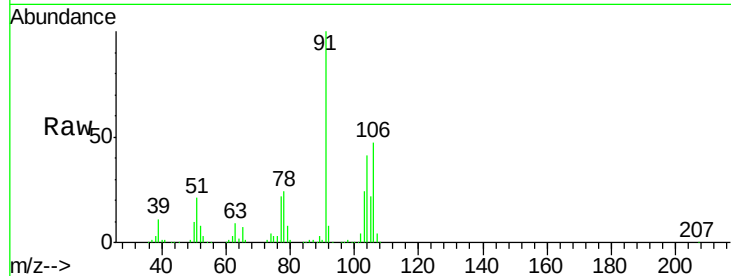
#69
o-Xylene
Concen: 21.171 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion:106 Resp: 75964
Ion Ratio Lower Upper
106 100
91 218.4 106.8 320.4

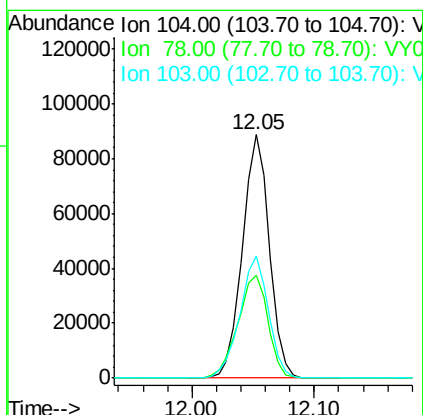
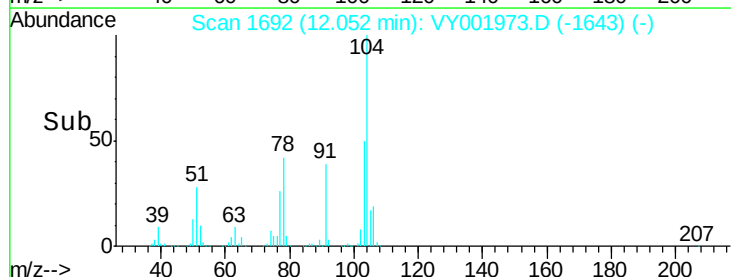
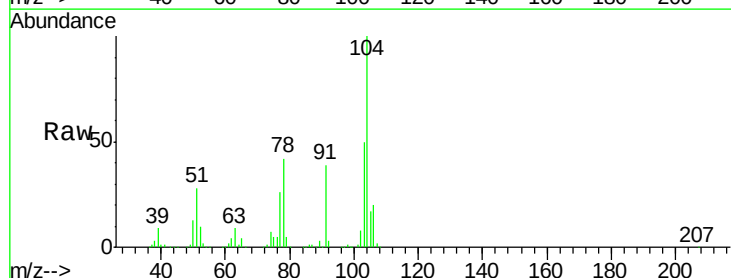
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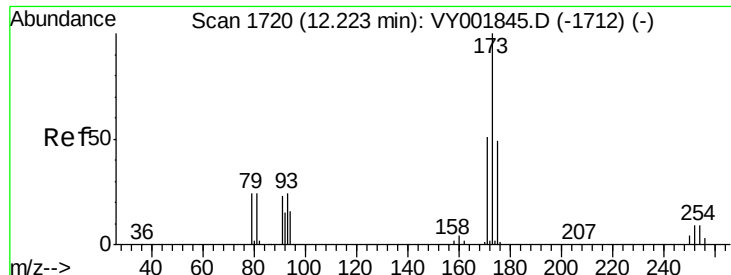
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#70
Styrene
Concen: 22.004 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion:104 Resp: 135223
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 53.6 42.9 64.3





#71

Bromoform

Concen: 22.620 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

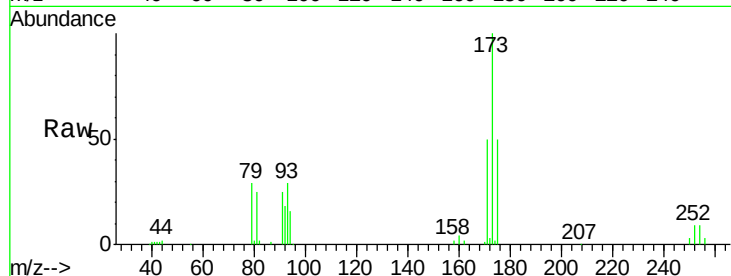
ClientSampleId :

VY0316SBS01

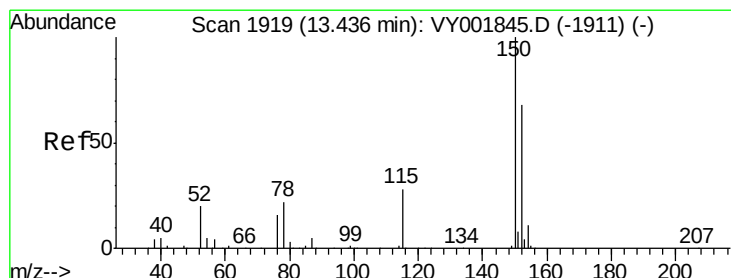
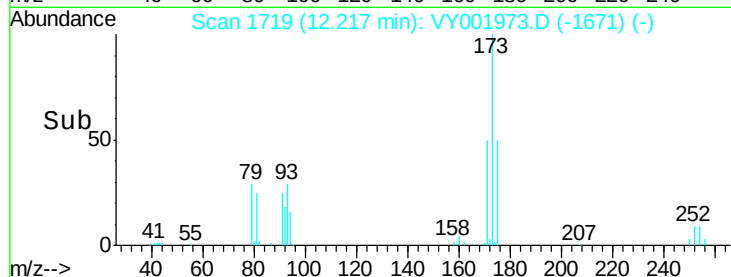
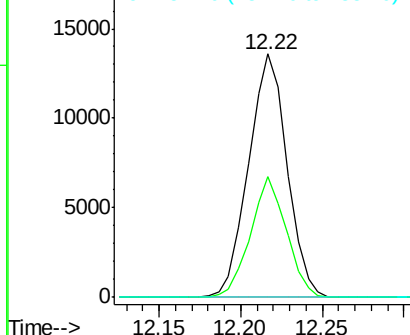
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

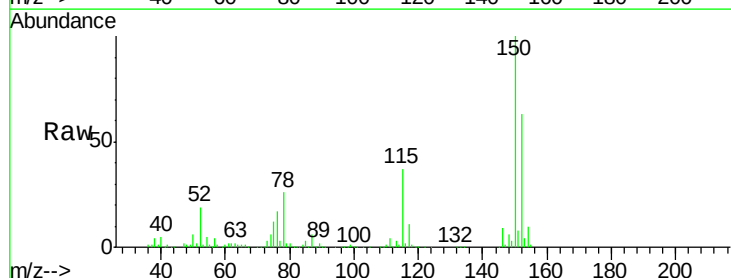
RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

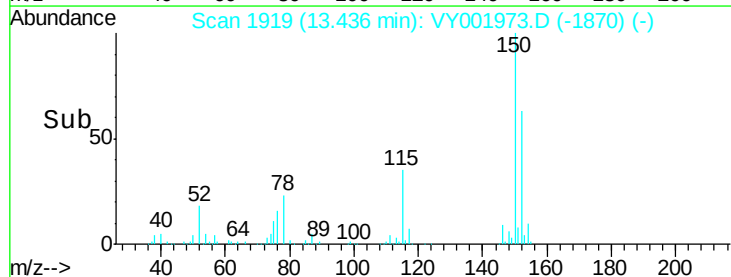
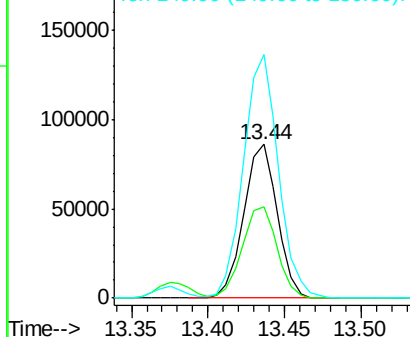
Lab File: VY001973.D

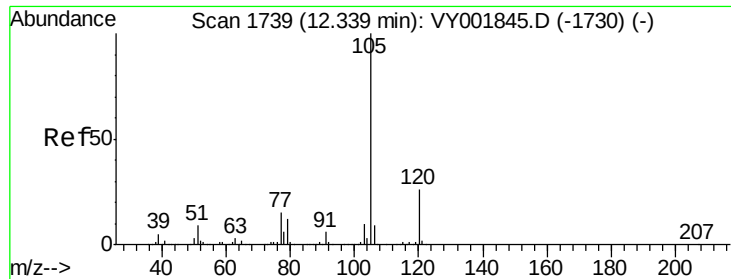
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.9	89.7
150	164.2	0.0	340.6



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





#73

Isopropylbenzene

Concen: 21.061 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 105 Resp: 211707

Ion Ratio Lower Upper

105 100

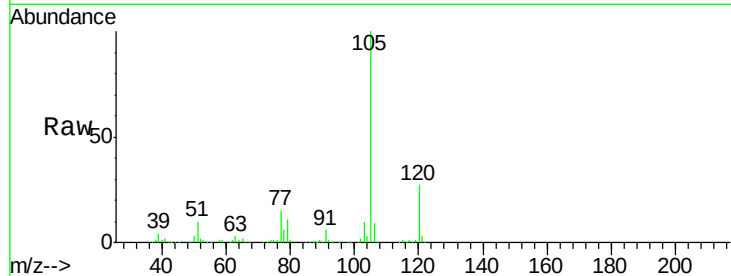
120 26.7 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

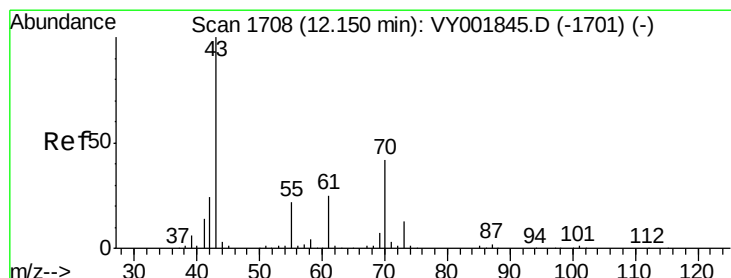
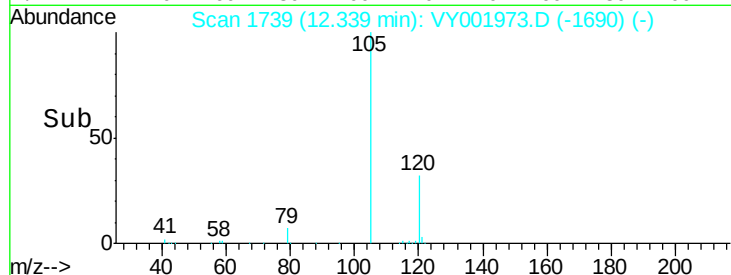
100000

50000

0

12.25 12.30 12.35 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.537 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion: 43 Resp: 63448

Ion Ratio Lower Upper

43 100

70 43.9 34.7 52.1

55 24.3 18.2 27.4

61 24.9 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

60000

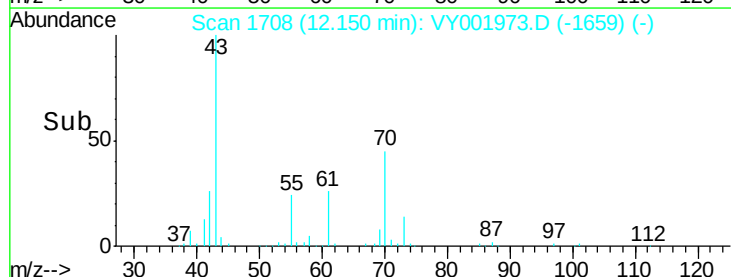
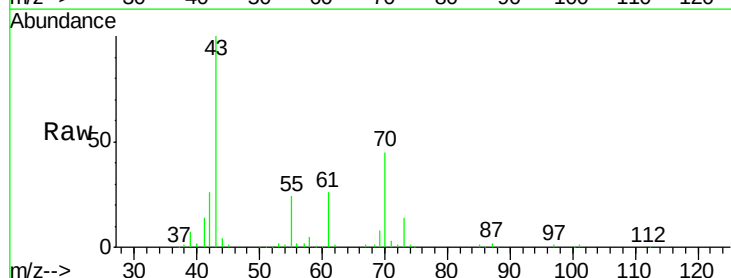
40000

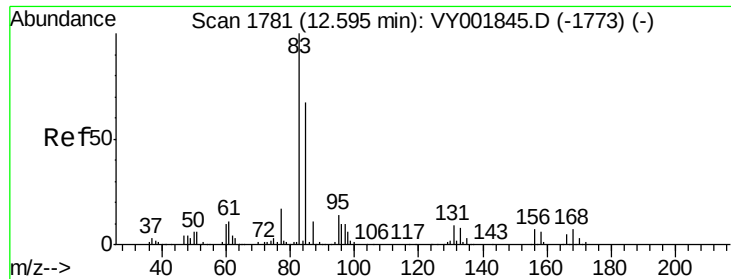
20000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.194 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

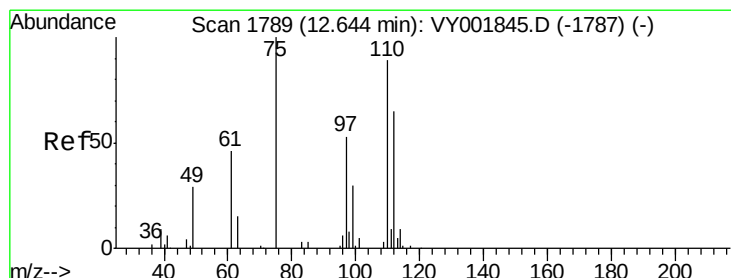
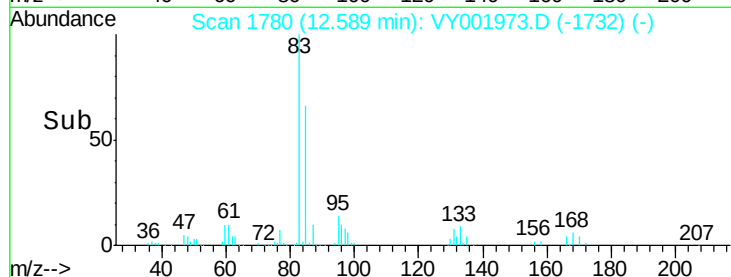
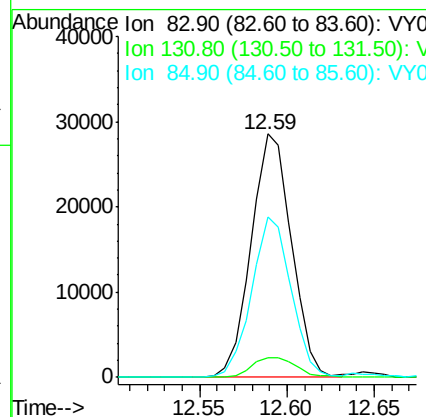
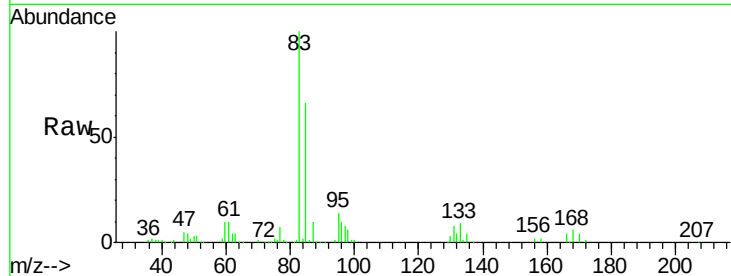
ClientSampleId :

VY0316SBS01

Tot Ion:	83	Resp:	45943
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.6	13.8
85	64.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.617 ug/l m

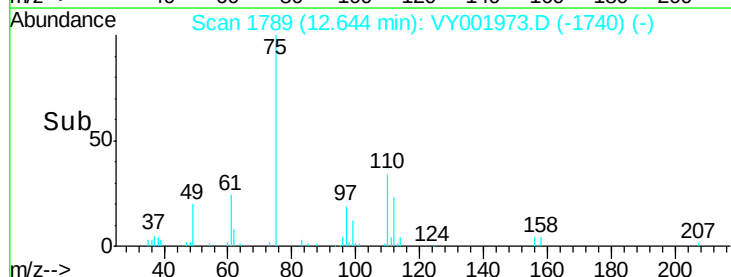
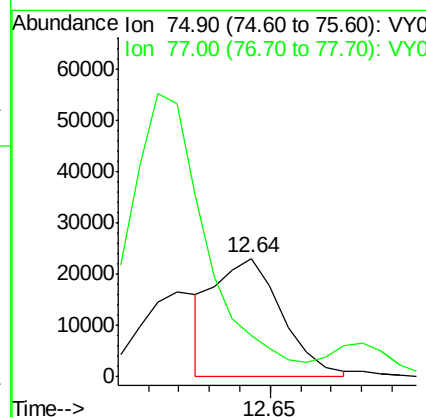
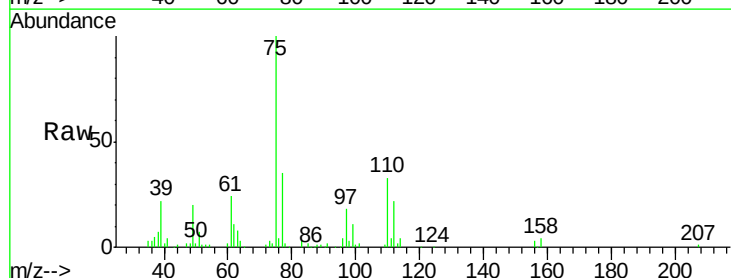
RT: 12.64 min Scan# 1789

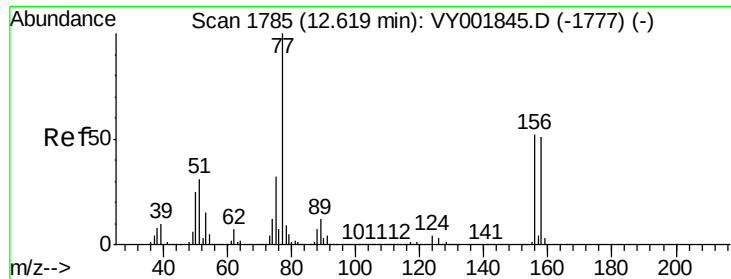
Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion:	75	Resp:	35339
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.359 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:156 Resp: 45489

Ion Ratio Lower Upper

156 100

77 215.8 109.0 327.0

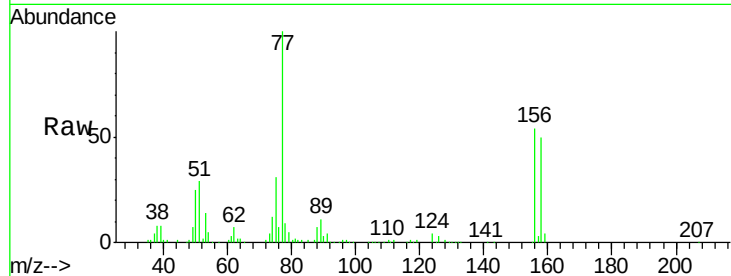
158 94.2 48.9 146.8

Manual Integrations

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MMDadoda

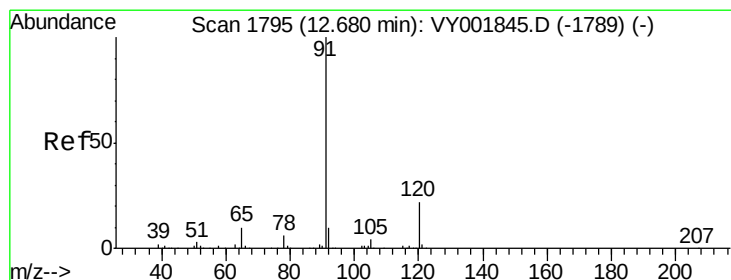
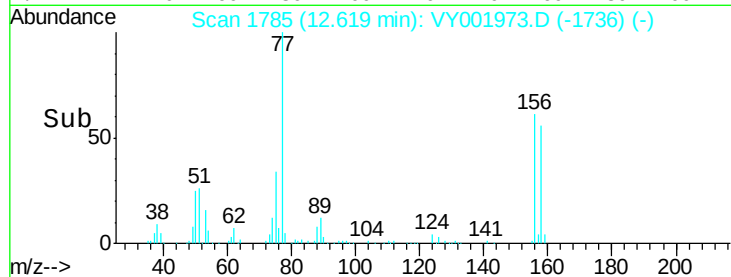
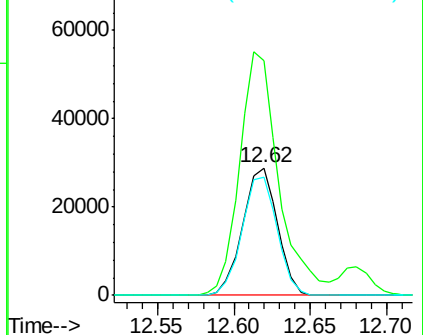
3/17/2020 12:06:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.279 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001973.D

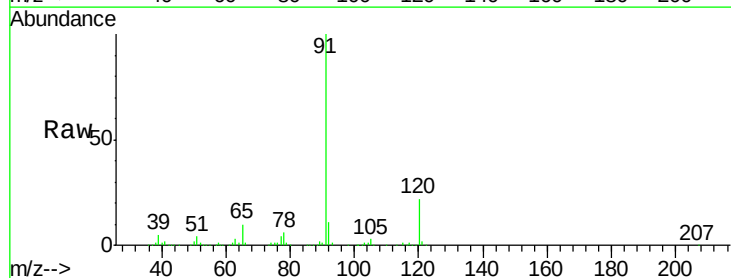
Acq: 16 Mar 2020 11:32

Tgt Ion: 91 Resp: 263893

Ion Ratio Lower Upper

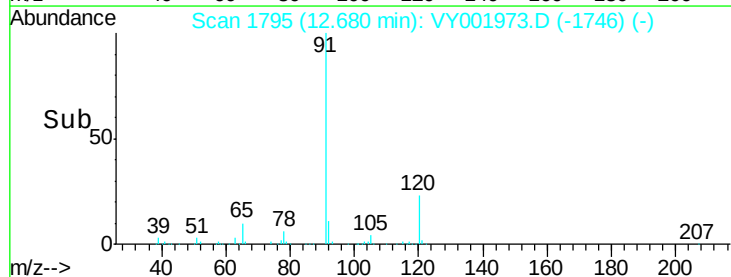
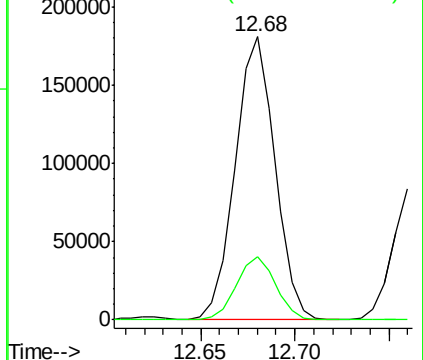
91 100

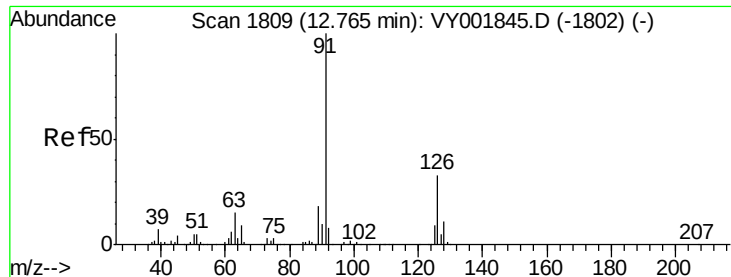
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





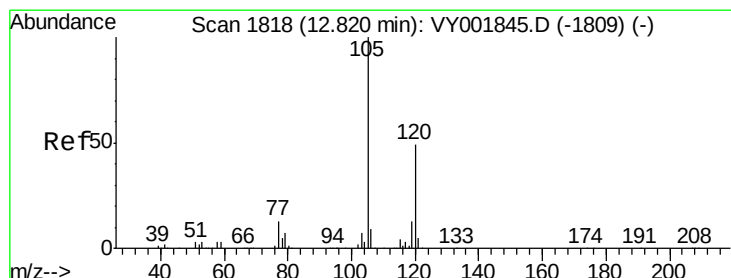
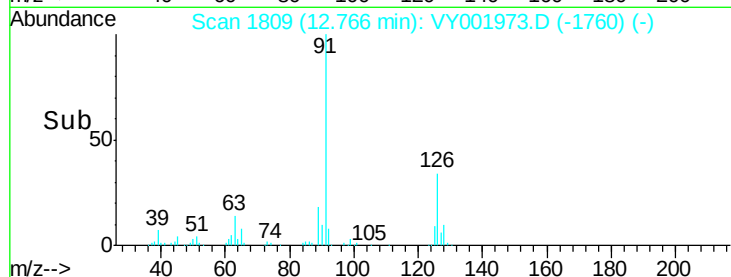
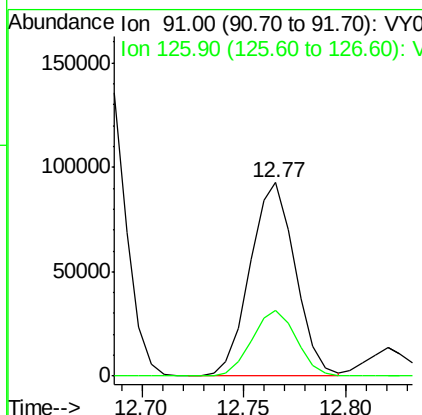
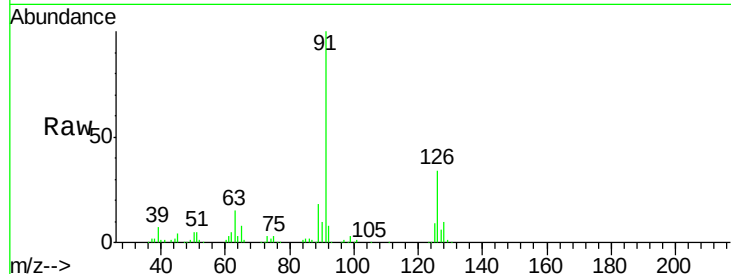
#79
 2-Chlorotoluene
 Concen: 20.810 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.3	48.8

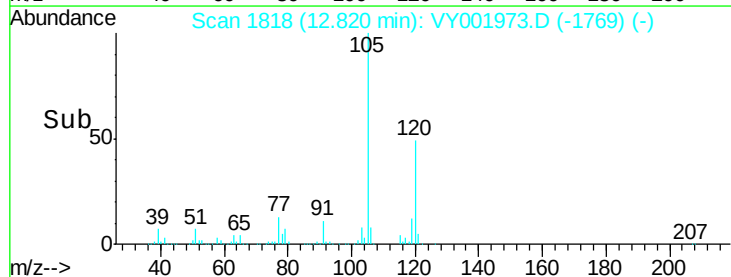
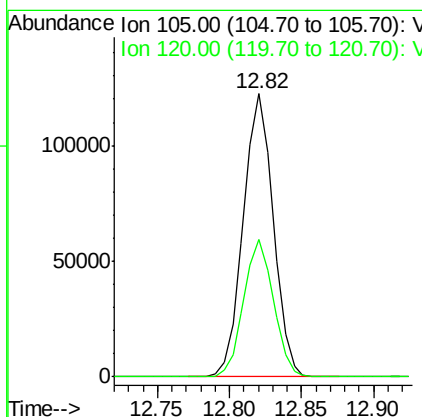
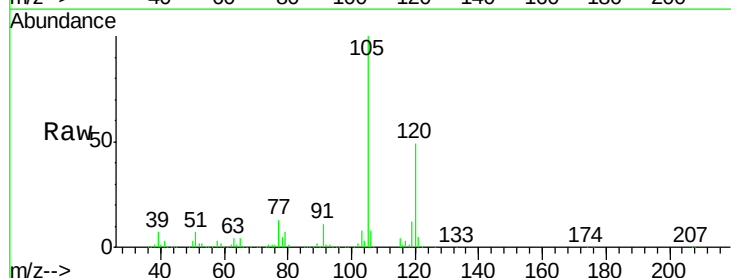
Manual Integrations
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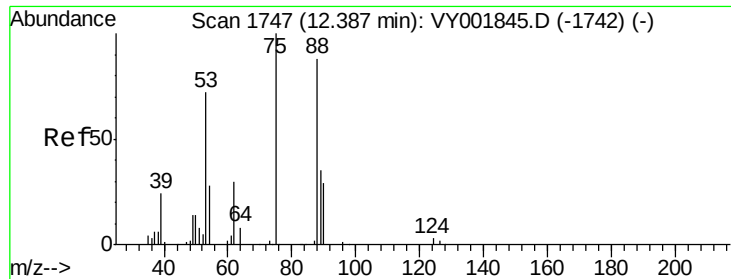
MMDadoda
 3/17/2020 12:06:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.332 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.4	73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.019 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

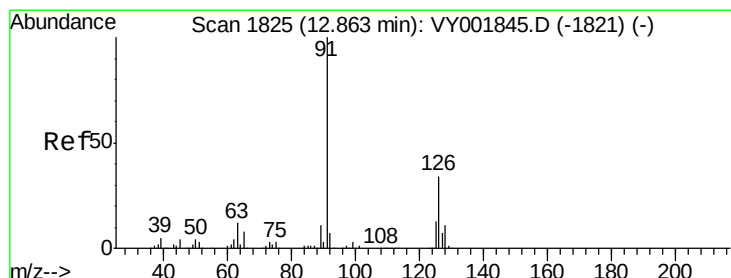
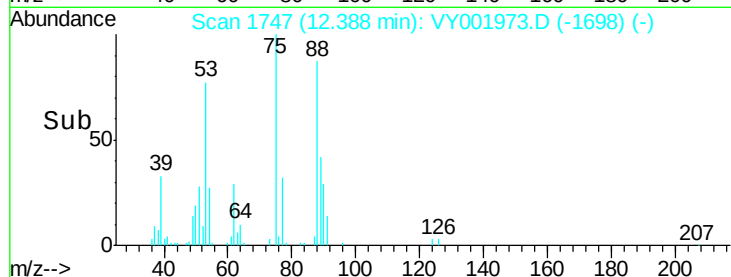
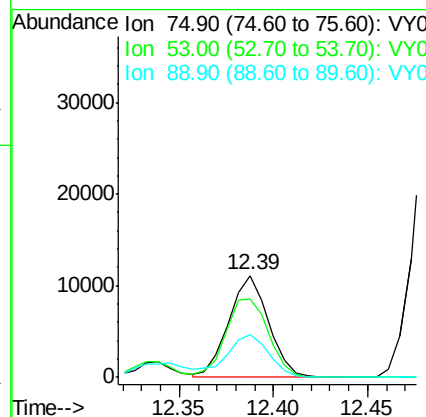
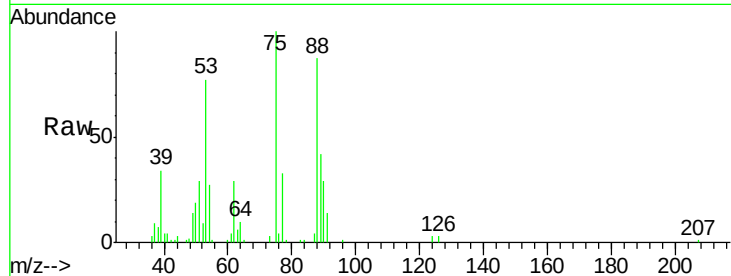
ClientSampleId :

VY0316SBS01

Tot Ion:	75	Resp:	16259
Ion	Ratio	Lower	Upper
75	100		
53	83.3	65.4	98.0
89	45.1	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.453 ug/l

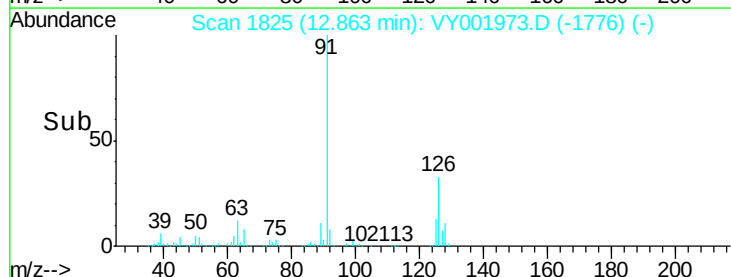
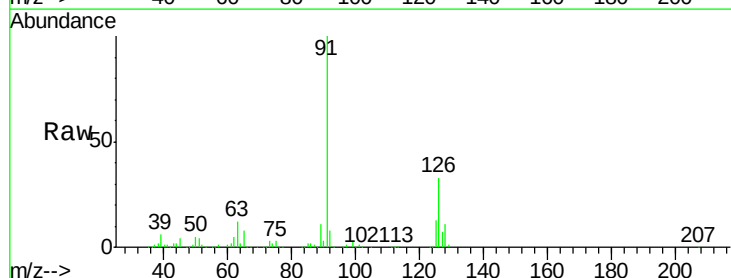
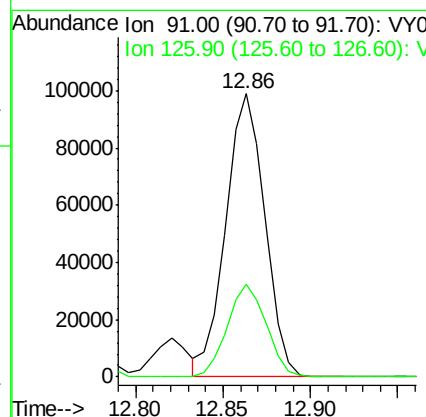
RT: 12.86 min Scan# 1825

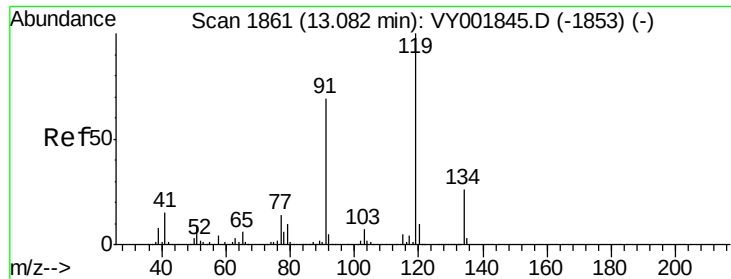
Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion:	91	Resp:	153039
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





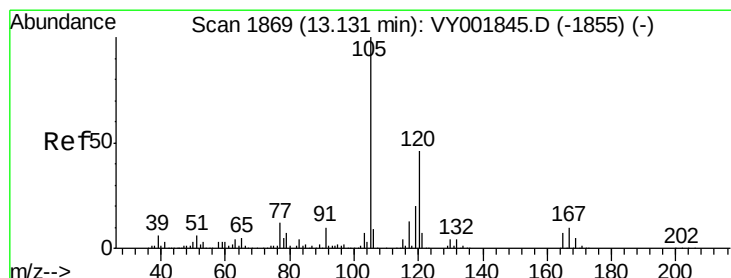
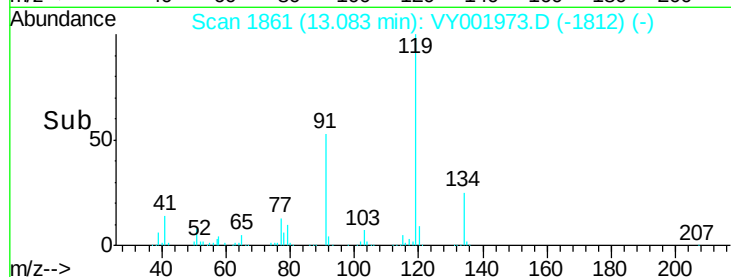
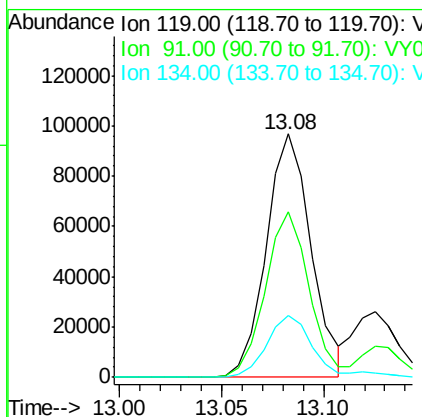
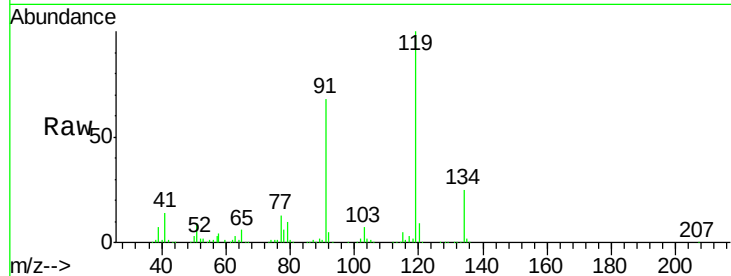
#83
tert-Butylbenzene
Concen: 21.573 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	34.0	101.8
134	26.8	13.5	40.4

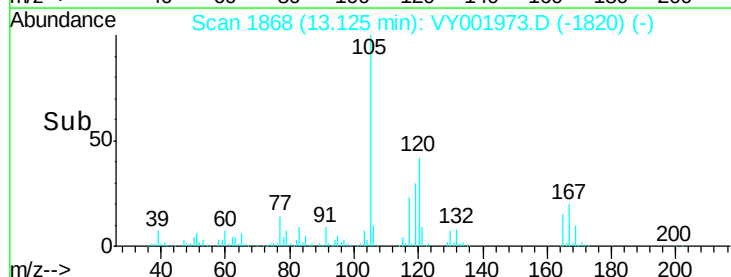
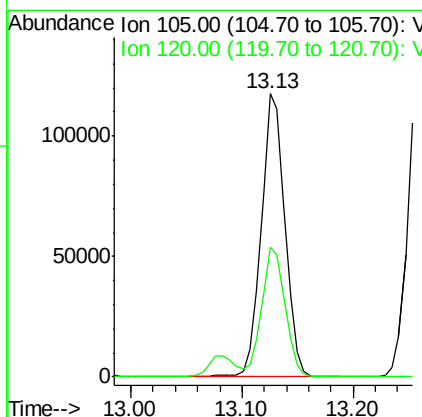
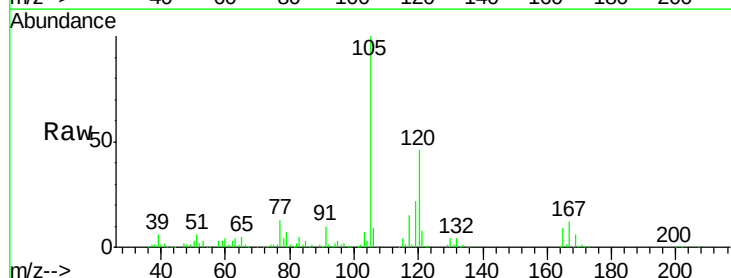
Manual Integrations
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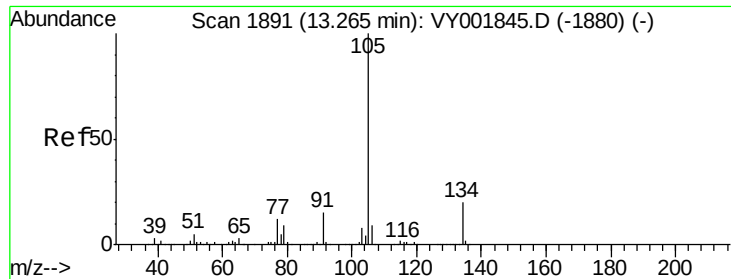
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.285 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.384 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:105 Resp: 216642

Ion Ratio Lower Upper

105 100

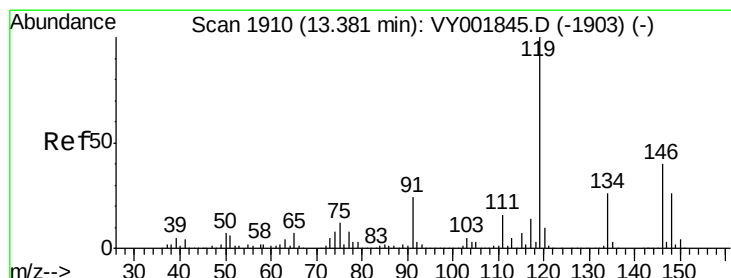
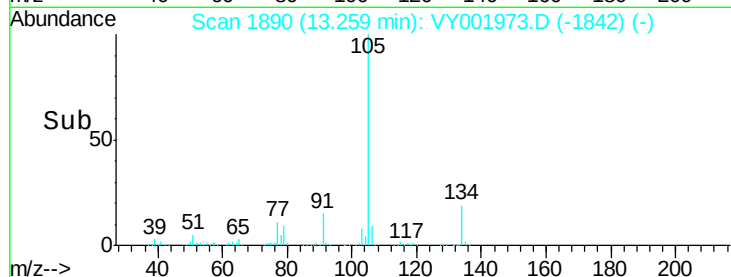
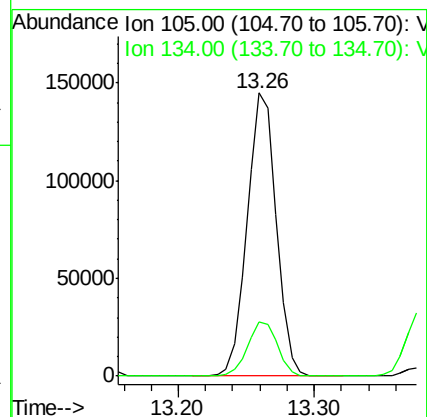
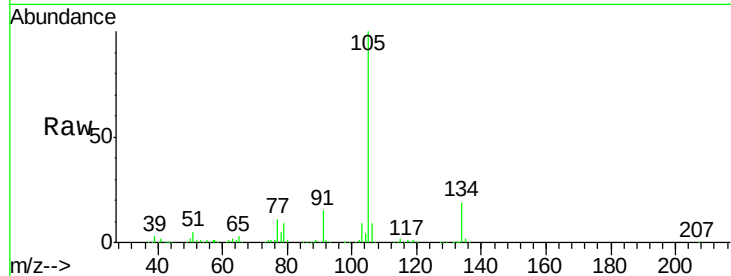
134 19.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.635 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

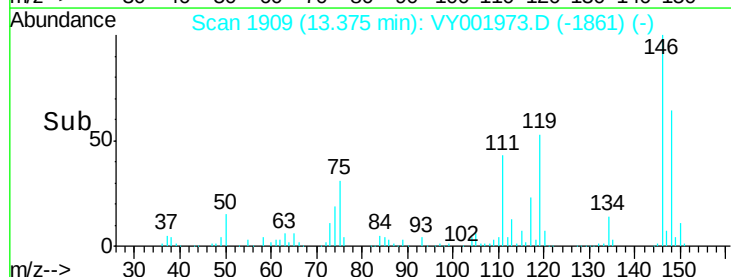
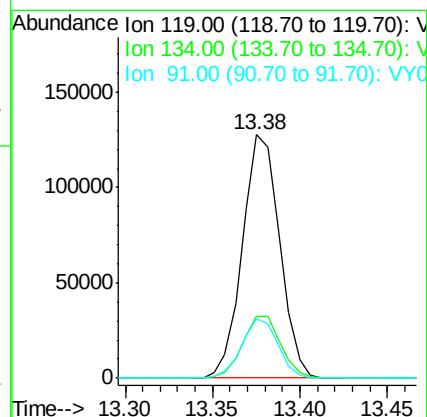
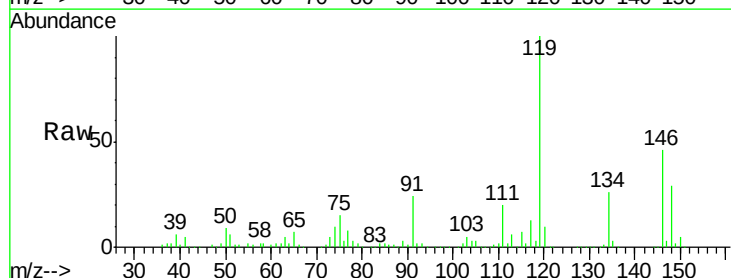
Tgt Ion:119 Resp: 189076

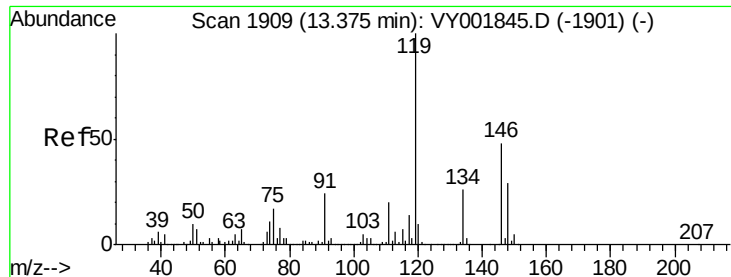
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 21.414 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

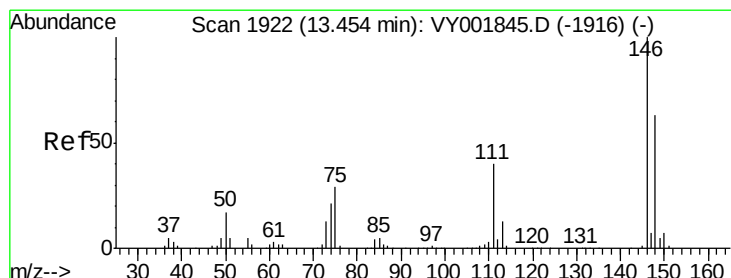
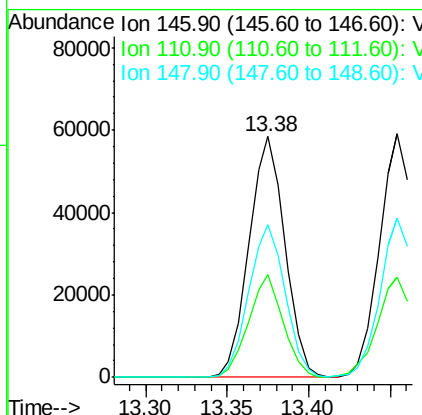
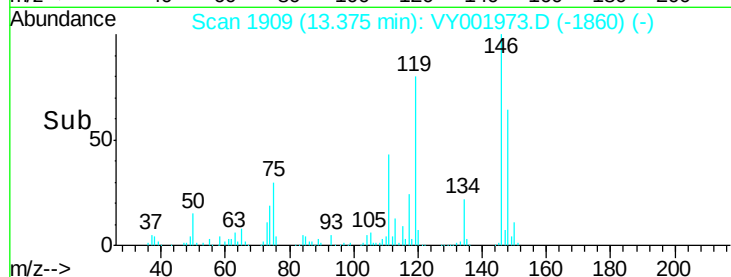
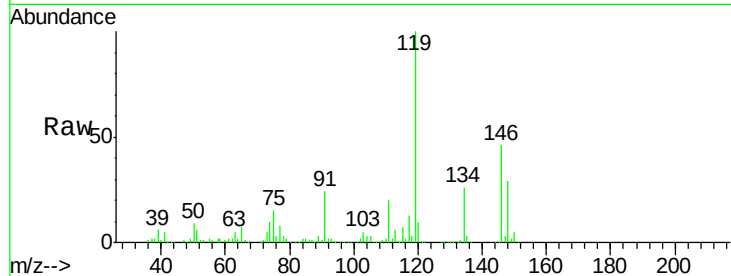
Instrument :
MSVOA_Y

ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	64.3	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 21.121 ug/l

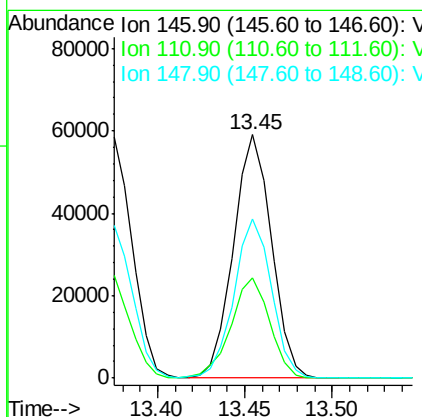
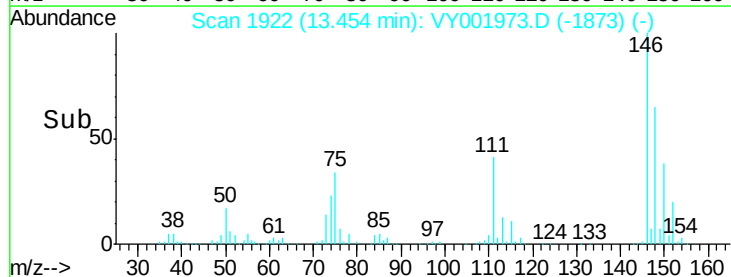
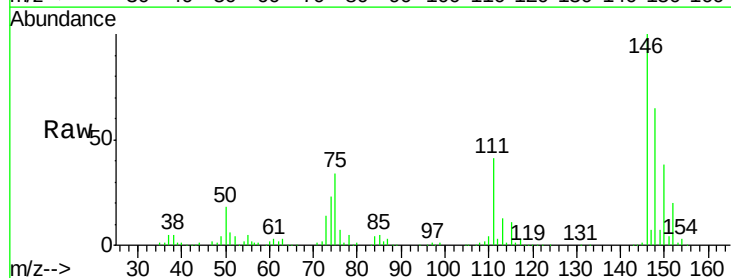
RT: 13.45 min Scan# 1922

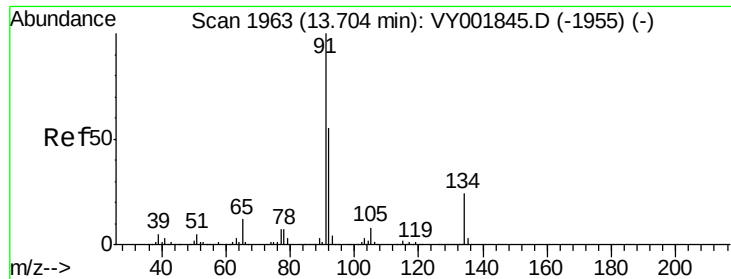
Delta R.T. 0.00 min

Lab File: VY001973.D

Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	60.0
148	64.8	31.5	94.5





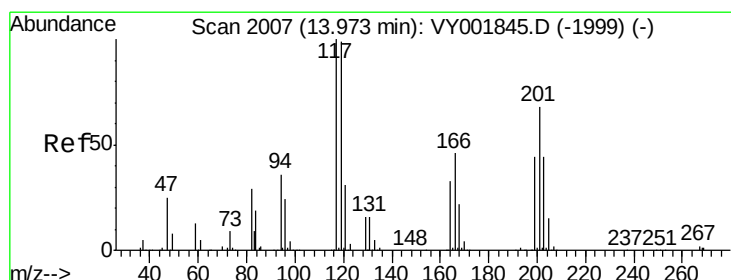
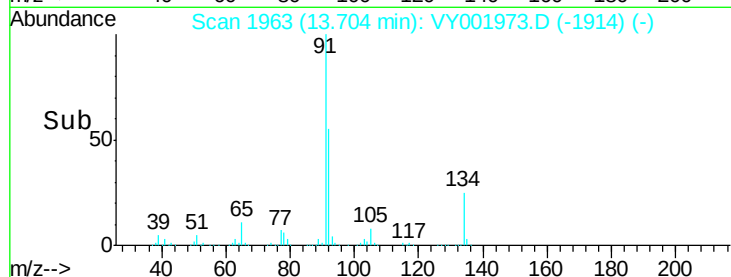
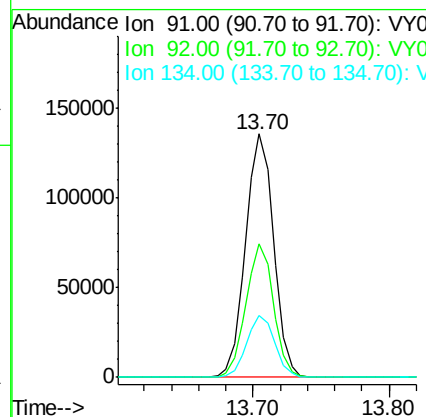
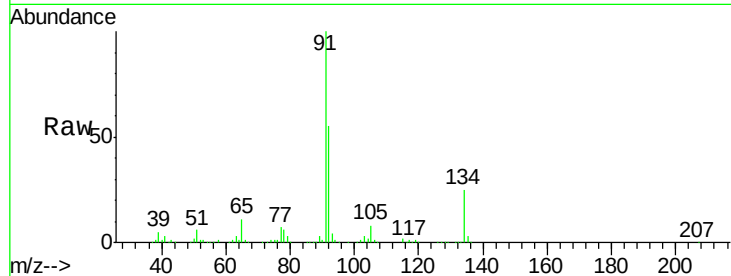
#89
n-Butylbenzene
Concen: 21.622 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196049		
92	53.8		27.5	82.4
134	25.3		12.5	37.5

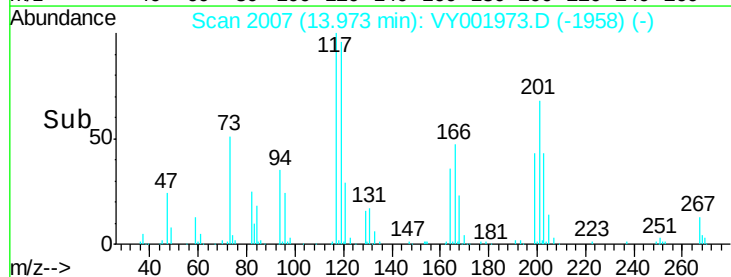
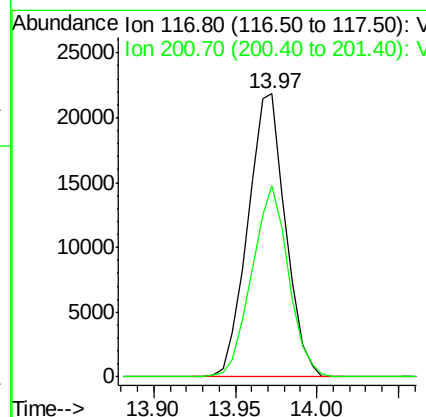
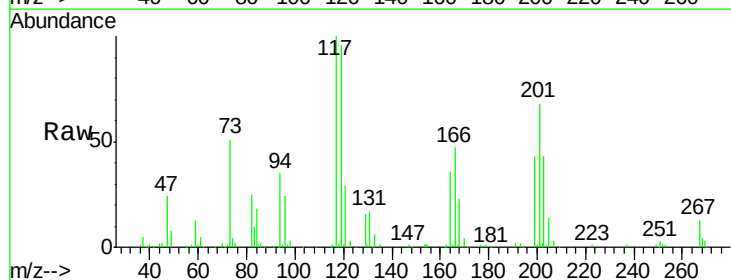
Manual Integrations
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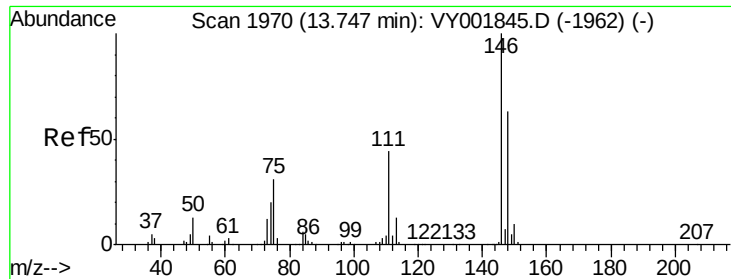
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#90
Hexachloroethane
Concen: 21.287 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35097		
201	65.5		32.5	97.5





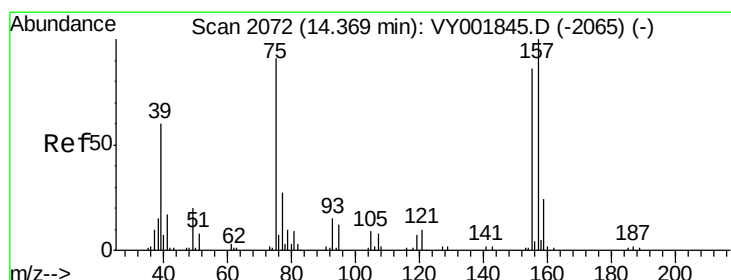
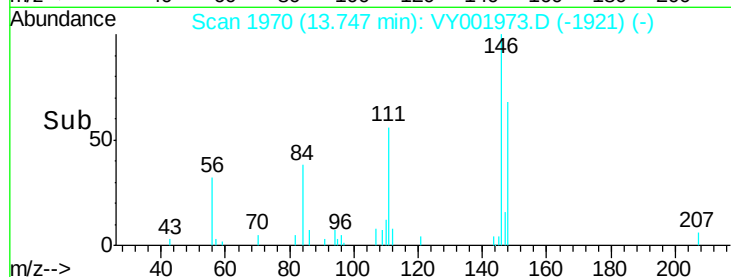
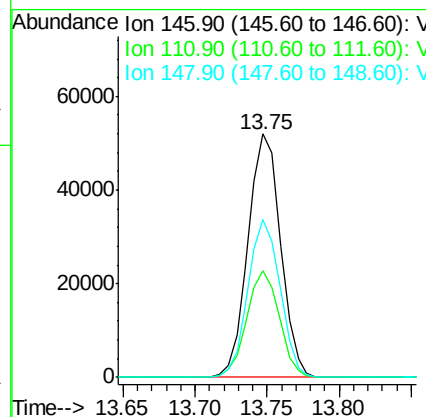
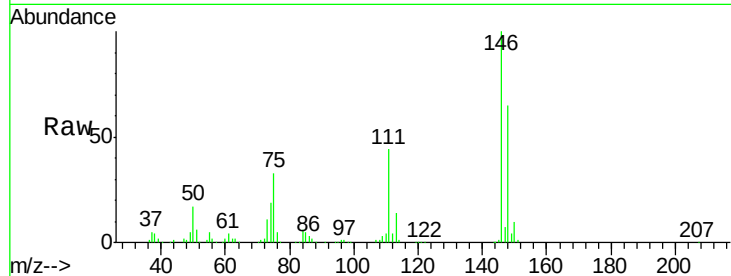
#91
 1,2-Dichlorobenzene
 Concen: 21.397 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.5	64.5
148	64.2	32.0	96.0

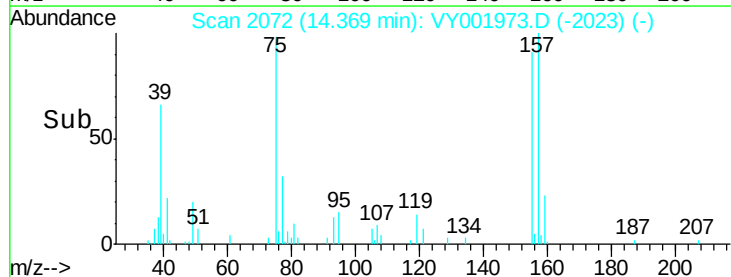
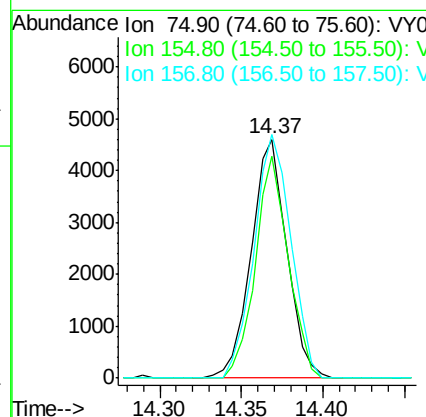
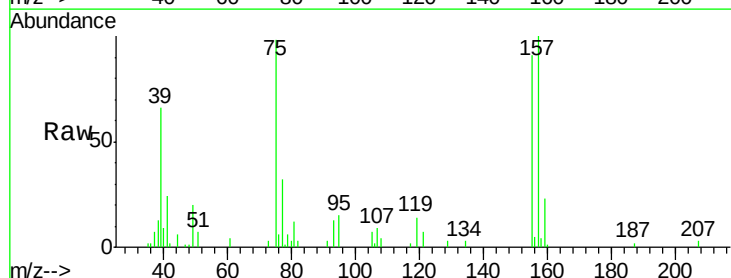
Manual Integrations
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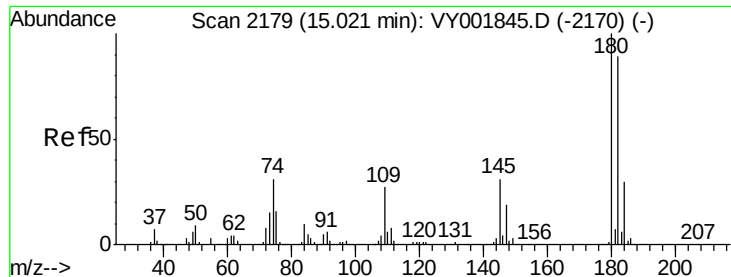
MMDadoda
 3/17/2020 12:06:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.709 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001973.D
 Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.9	128.7
157	105.5	53.1	159.4





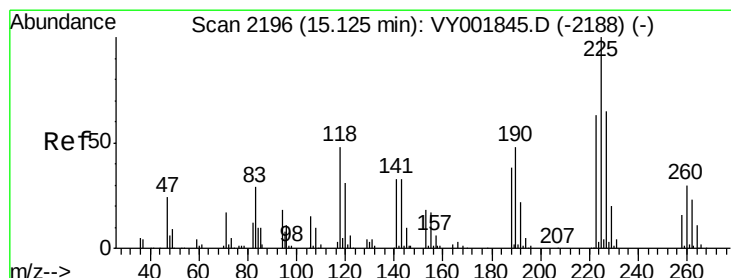
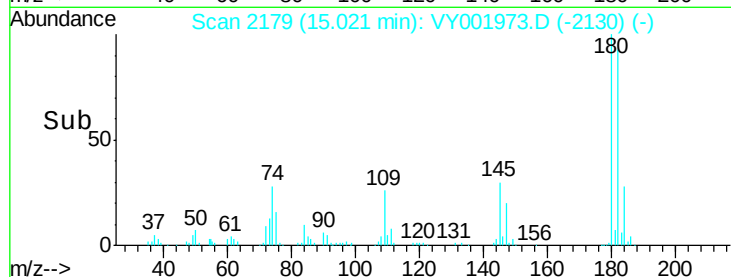
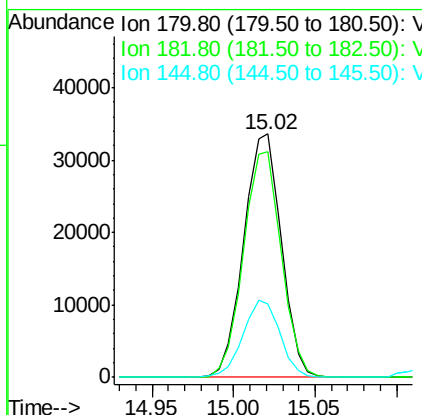
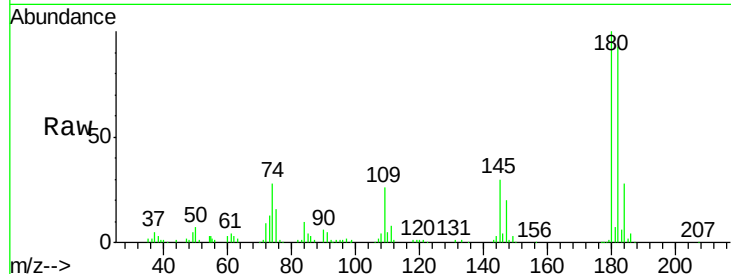
#93
1,2,4-Trichlorobenzene
Concen: 21.993 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.1	138.3
145	31.2	15.6	46.8

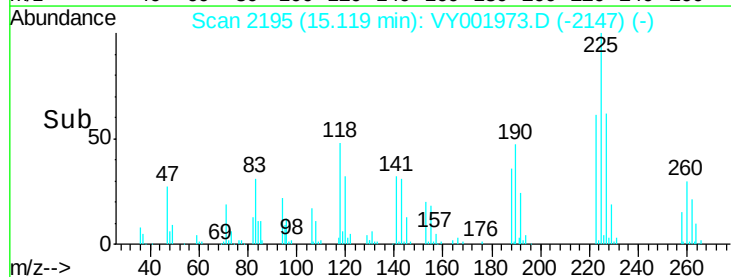
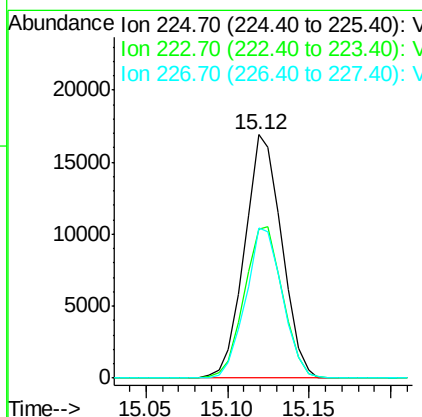
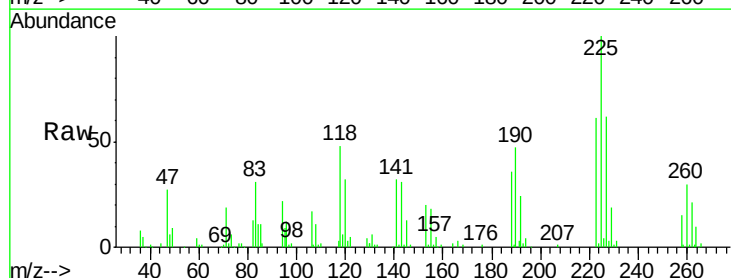
Manual Integrations
APPROVED

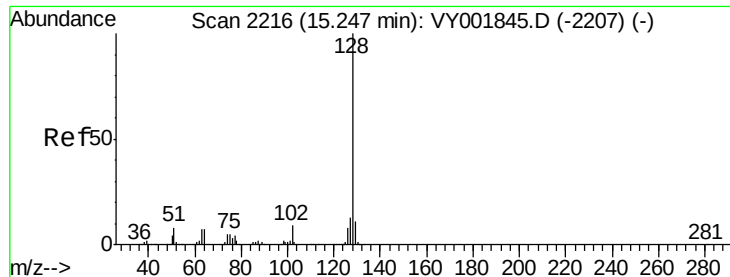
MMDadoda
3/17/2020 12:06:27 PM



#94
Hexachlorobutadiene
Concen: 22.343 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.5	94.5
227	61.1	31.9	95.5





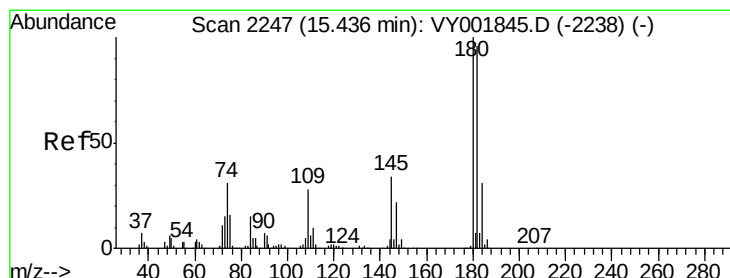
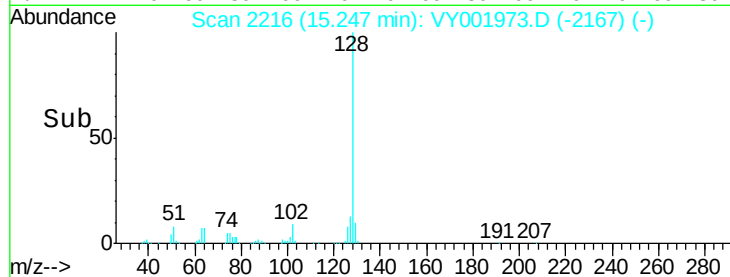
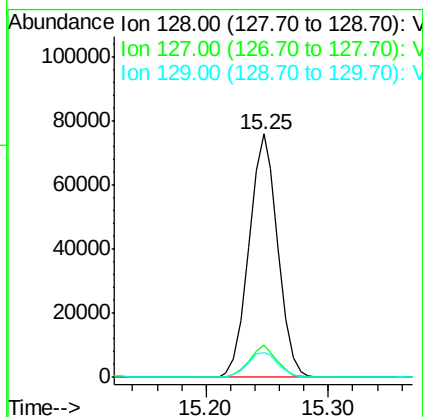
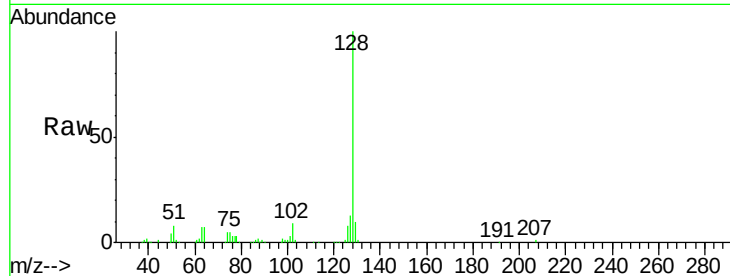
#95
Naphthalene
Concen: 21.258 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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3/17/2020 12:06:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.429 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY001973.D
Acq: 16 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.6	142.9
145	33.3	16.8	50.3

