

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001851.D
 Acq On : 04 Mar 2020 14:23
 Operator : SY/MD
 Sample : VY0304SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:21 PM

Quant Time: Mar 05 04:32:11 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	7.81	168	183566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	104332	53.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	95420	53.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.19	98	404760	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.49	95	140081	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	35031	20.674	ug/l	95
3) Chloromethane	2.12	50	47676	20.869	ug/l	98
4) Vinyl Chloride	2.26	62	48049	20.678	ug/l	96
5) Bromomethane	2.65	94	31911	20.001	ug/l	91
6) Chloroethane	2.80	64	29813	20.424	ug/l	92
7) Trichlorofluoromethane	3.13	101	64444	20.449	ug/l	99
8) Diethyl Ether	3.54	74	27031	21.763	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	42870	21.150	ug/l	98
10) Methyl Iodide	4.11	142	47409	20.225	ug/l	98
11) Tert butyl alcohol	4.98	59	27080	121.150	ug/l	98
12) 1,1-Dichloroethene	3.89	96	42916	21.028	ug/l	99
13) Acrolein	3.74	56	30725	111.572	ug/l	97
14) Allyl chloride	4.50	41	77223	21.343	ug/l	99
15) Acrylonitrile	5.19	53	70444	106.135	ug/l	100
16) Acetone	3.96	43	58820	103.052	ug/l	96
17) Carbon Disulfide	4.21	76	140088	20.419	ug/l	100
18) Methyl Acetate	4.50	43	31179	21.260	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	117633	21.269	ug/l	100
20) Methylene Chloride	4.74	84	51291	20.967	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	48285	20.844	ug/l	96
22) Diisopropyl ether	6.14	45	155570	20.976	ug/l	99
23) Vinyl Acetate	6.08	43	517024	106.338	ug/l	99
24) 1,1-Dichloroethane	6.05	63	83128	20.698	ug/l	99
25) 2-Butanone	7.01	43	91430	105.334	ug/l	97
26) 2,2-Dichloropropane	7.00	77	68690	20.837	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	53796	21.349	ug/l	99
28) Bromochloromethane	7.35	49	36747	20.299	ug/l	98
29) Tetrahydrofuran	7.36	42	61706	107.053	ug/l	100
30) Chloroform	7.52	83	78429	20.784	ug/l	98
31) Cyclohexane	7.80	56	89070	20.683	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	66855	21.021	ug/l	98
36) 1,1-Dichloropropene	7.94	75	66947	21.140	ug/l	99
37) Ethyl Acetate	7.10	43	40971	22.260	ug/l	99
38) Carbon Tetrachloride	7.91	117	56758	20.980	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	87526	20.838	ug/l	96
40) Benzene	8.18	78	197119	21.000	ug/l	99
41) Methacrylonitrile	7.33	41	20424m	24.657	ug/l	
42) 1,2-Dichloroethane	8.25	62	52848	21.849	ug/l	99
43) Isopropyl Acetate	8.28	43	74878	21.488	ug/l	99
44) Trichloroethene	8.96	130	47789	20.905	ug/l	94
45) 1,2-Dichloropropane	9.23	63	50747	21.507	ug/l	98
46) Dibromomethane	9.32	93	26198	21.545	ug/l	95
47) Bromodichloromethane	9.51	83	59591	21.068	ug/l	96
48) Methyl methacrylate	9.30	41	34454	22.282	ug/l	97
49) 1,4-Dioxane	9.31	88	6589	395.460	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	194423	108.321	ug/l	99
52) Toluene	10.25	92	121542	21.315	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66603	21.613	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78639	21.436	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37529	21.089	ug/l	96
56) Ethyl methacrylate	10.52	69	56661	21.723	ug/l	96
57) 1,3-Dichloropropane	10.80	76	68013	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	140853	140.378	ug/l	100
59) 2-Hexanone	10.84	43	139864	109.175	ug/l	99
60) Dibromochloromethane	10.99	129	39880	21.268	ug/l	98
61) 1,2-Dibromoethane	11.10	107	36552	21.684	ug/l	99
64) Tetrachloroethene	10.73	164	38376	20.589	ug/l	97
65) Chlorobenzene	11.52	112	123742	20.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41190	21.210	ug/l	100
67) Ethyl Benzene	11.60	91	232126	21.017	ug/l	98
68) m/p-Xylenes	11.71	106	172419	42.225	ug/l	100
69) o-Xylene	12.03	106	79723	20.715	ug/l	96
70) Styrene	12.05	104	140964	21.385	ug/l	99
71) Bromoform	12.22	173	21858	20.754	ug/l #	98
73) Isopropylbenzene	12.34	105	220061	20.644	ug/l	100
74) N-amyl acetate	12.15	43	68781	20.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48036	20.896	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	33917m	20.470	ug/l	
77) Bromobenzene	12.61	156	46502	20.590	ug/l	99
78) n-propylbenzene	12.68	91	274771	20.893	ug/l	99
79) 2-Chlorotoluene	12.77	91	148582	20.450	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	182829	20.834	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16637	20.282	ug/l	96
82) 4-Chlorotoluene	12.86	91	159438	21.076	ug/l	99
83) tert-Butylbenzene	13.08	119	153098	21.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	184356	21.168	ug/l	100
85) sec-Butylbenzene	13.26	105	227920	21.214	ug/l	100
86) p-Isopropyltoluene	13.38	119	196090	21.158	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	91828	20.749	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93853	20.903	ug/l	99
89) n-Butylbenzene	13.70	91	203085	21.121	ug/l	99
90) Hexachloroethane	13.97	117	36161	20.683	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	85806	21.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7595	21.173	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	56575	21.697	ug/l	99
94) Hexachlorobutadiene	15.12	225	26740	21.034	ug/l	99
95) Naphthalene	15.24	128	132351	21.399	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49831	21.694	ug/l	99

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

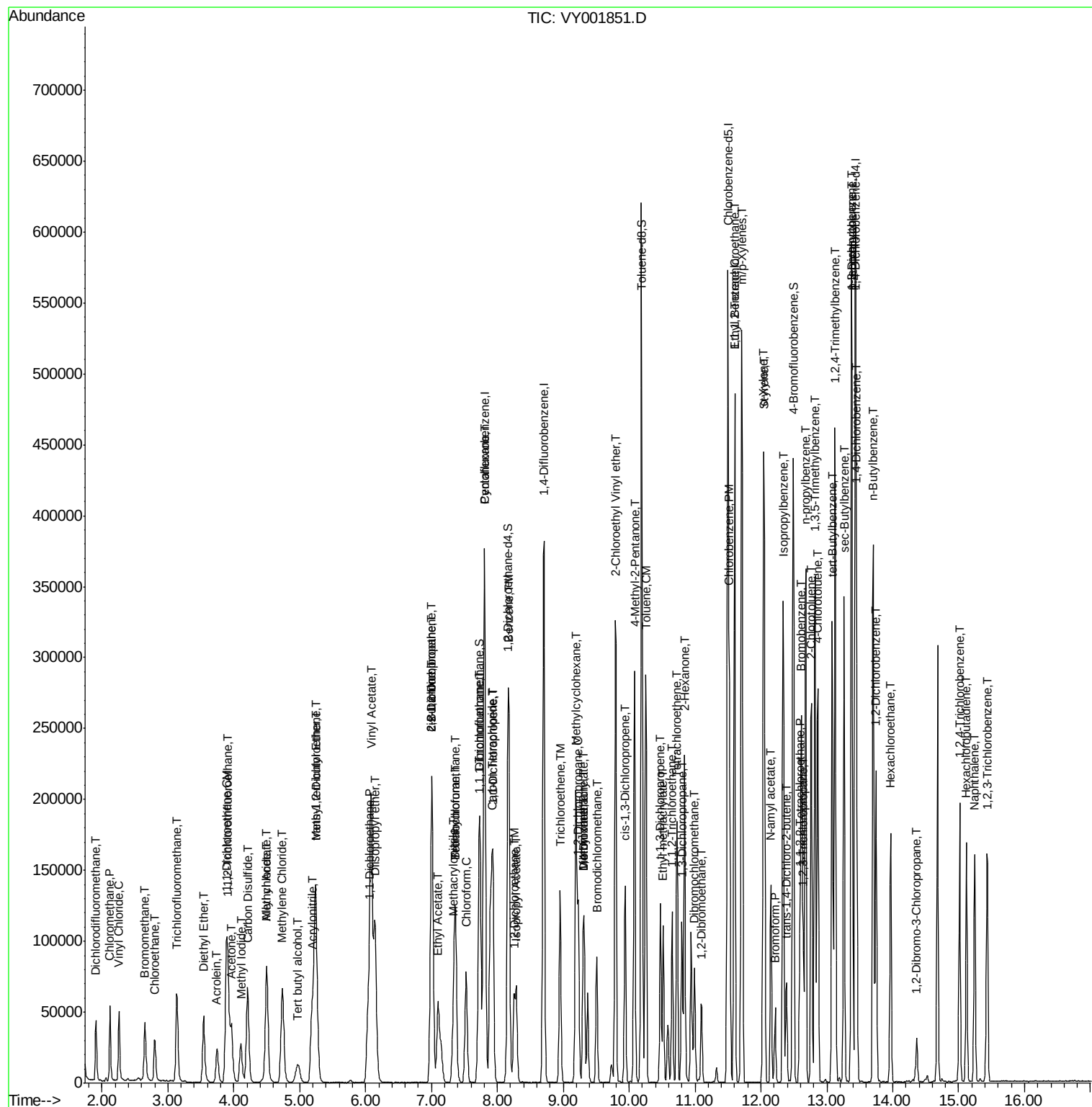
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Data File : VY001851.D
Acq On : 04 Mar 2020 14:23
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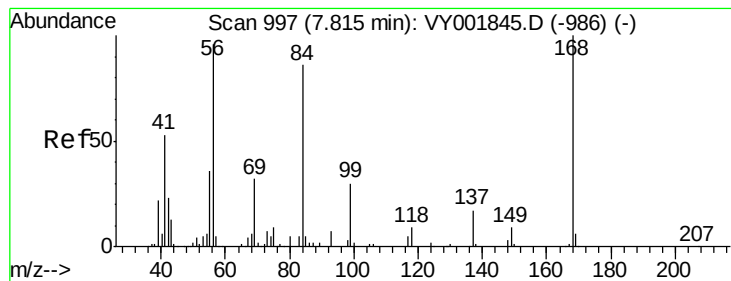
Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:168 Resp: 183566

Ion Ratio Lower Upper

168 100

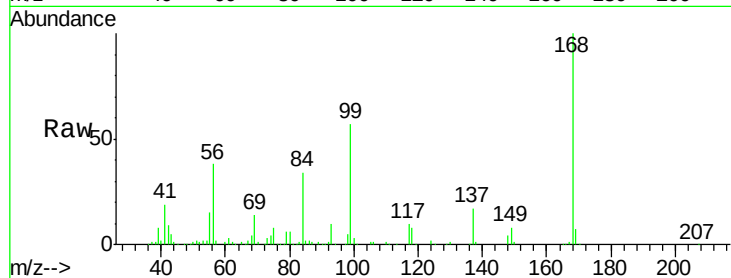
99 56.6 46.7 70.1

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

7.81

80000

60000

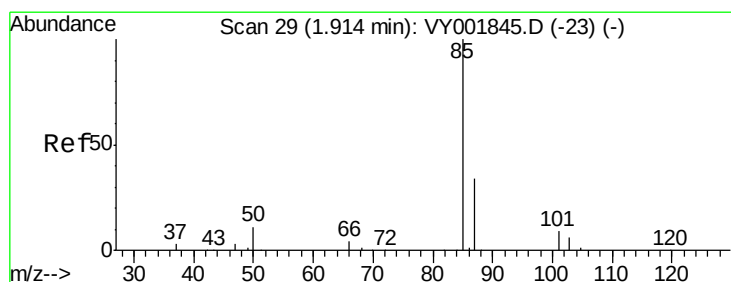
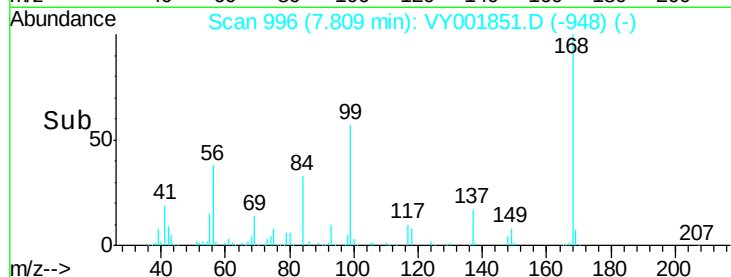
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 20.674 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001851.D

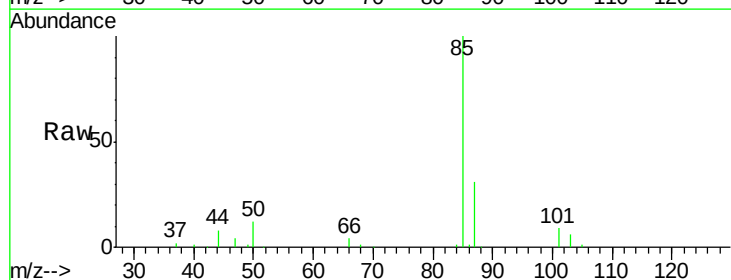
Acq: 04 Mar 2020 14:23

Tgt Ion: 85 Resp: 35031

Ion Ratio Lower Upper

85 100

87 30.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

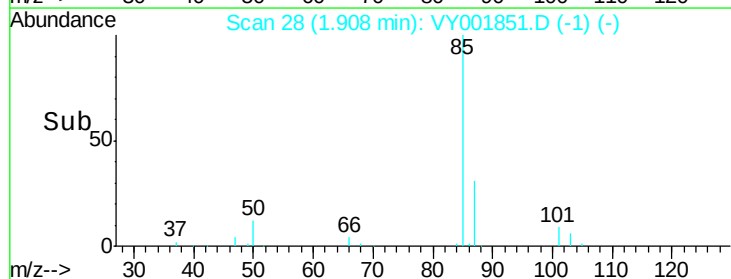
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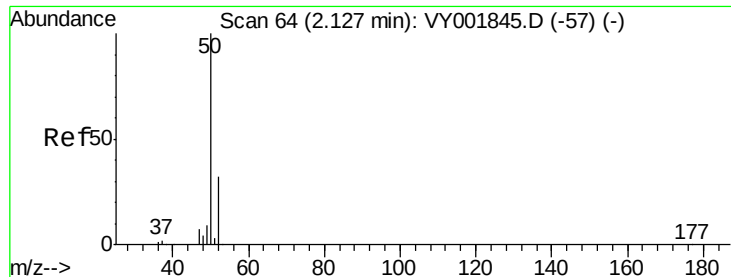
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 20.869 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tot Ion: 50 Resp: 47676

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.6

Instrument :

MSVOA_Y

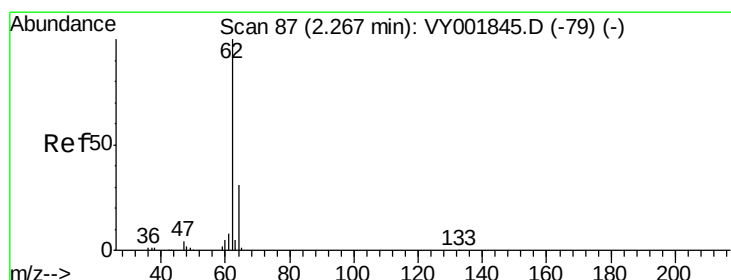
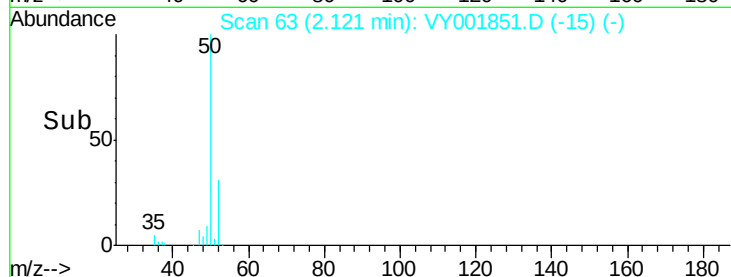
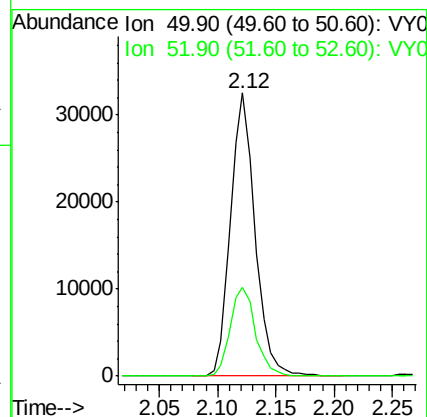
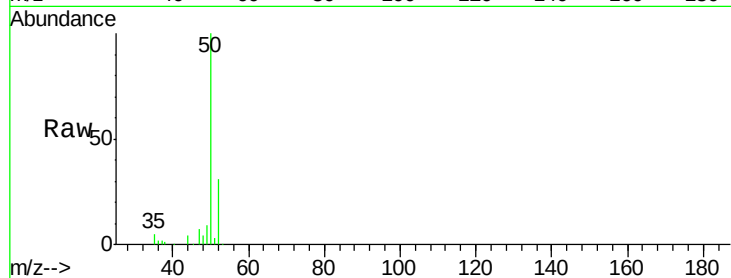
ClientSampleId :

VY0304SBS01

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#4

Vinyl Chloride

Concen: 20.678 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001851.D

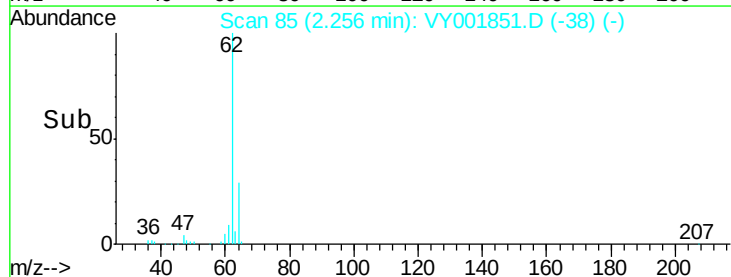
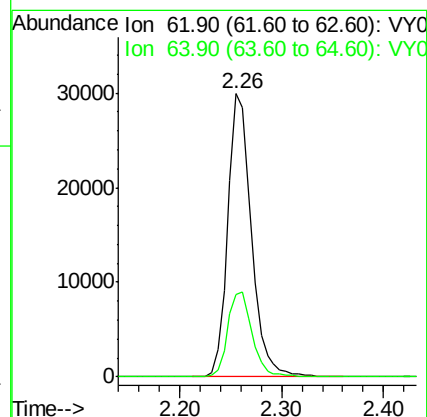
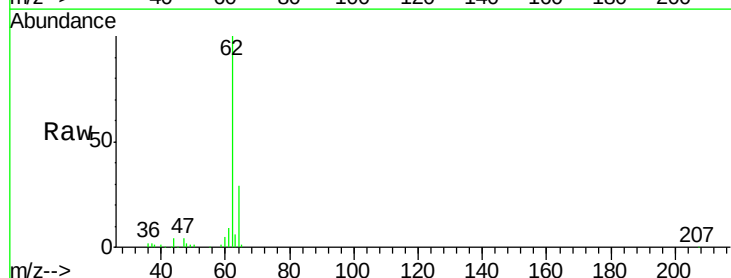
Acq: 04 Mar 2020 14:23

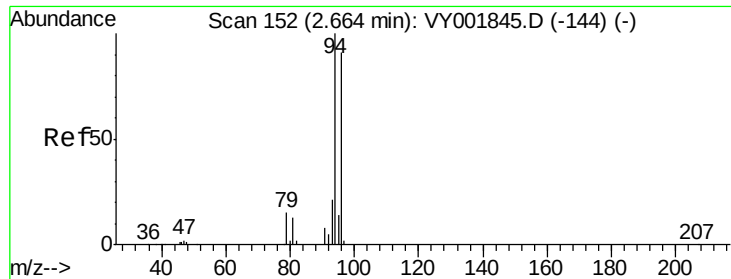
Tgt Ion: 62 Resp: 48049

Ion Ratio Lower Upper

62 100

64 29.3 25.1 37.7





#5

Bromomethane

Concen: 20.001 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 94 Resp: 31911

Ion Ratio Lower Upper

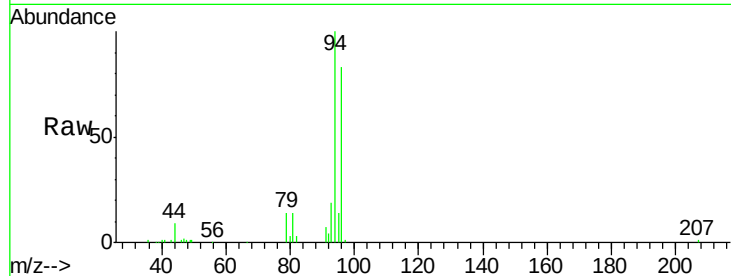
94 100

96 82.5 73.2 109.8

Manual Integrations
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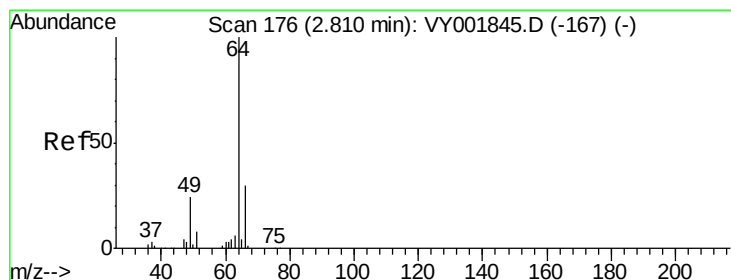
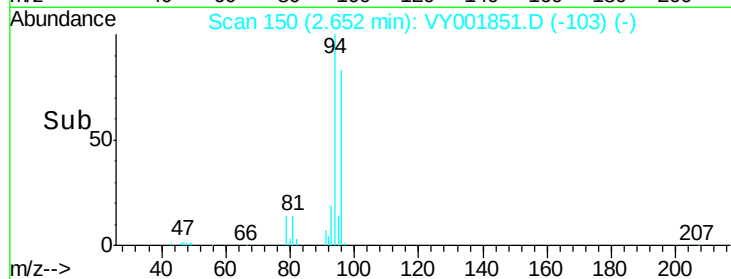
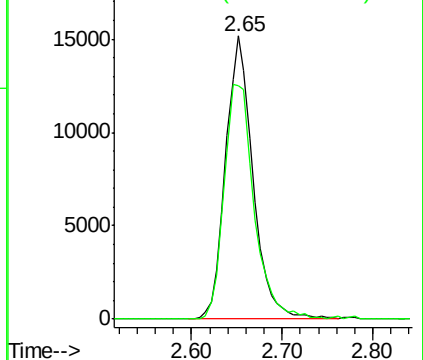
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.424 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001851.D

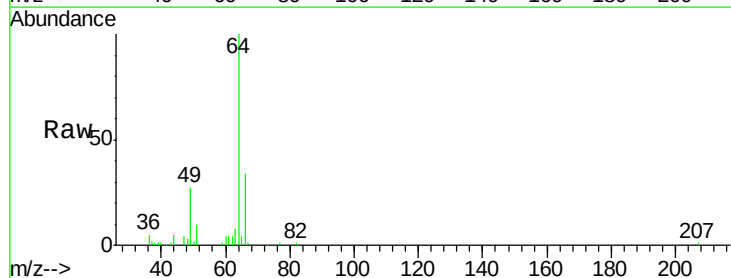
Acq: 04 Mar 2020 14:23

Tgt Ion: 64 Resp: 29813

Ion Ratio Lower Upper

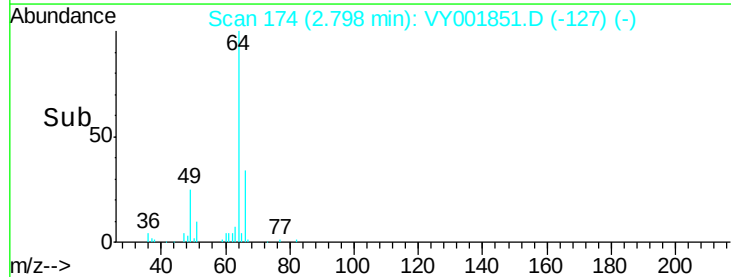
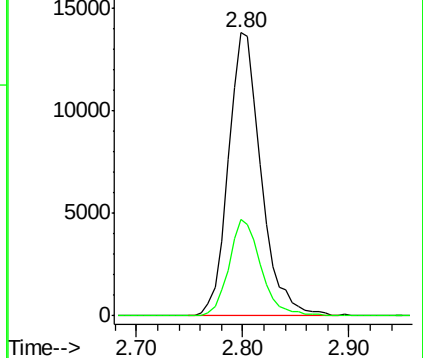
64 100

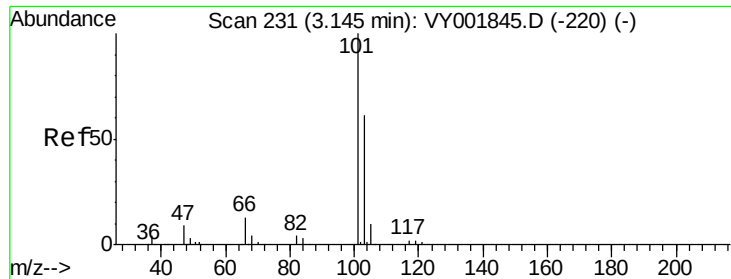
66 34.1 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

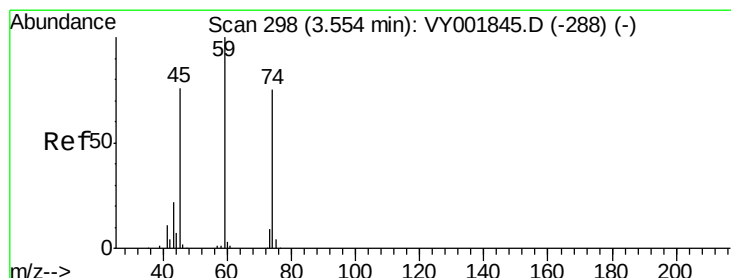
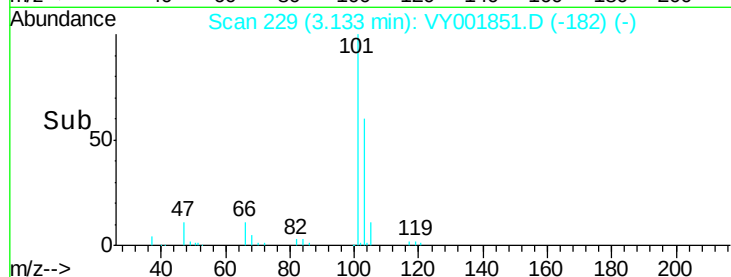
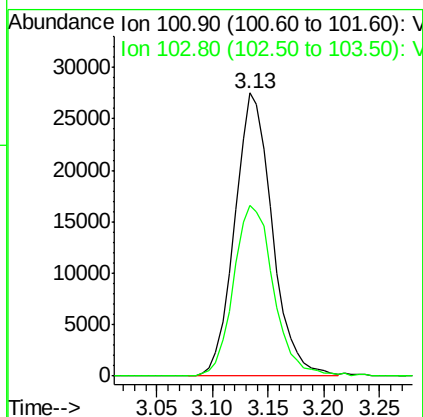
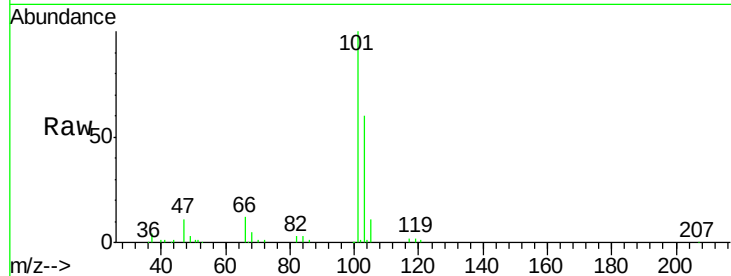
Trichlorofluoromethane
 Concen: 20.449 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001851.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	49.1	73.7

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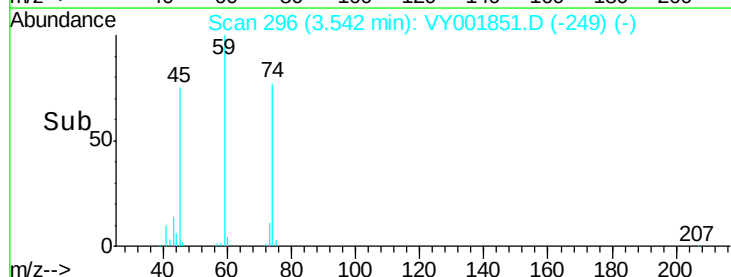
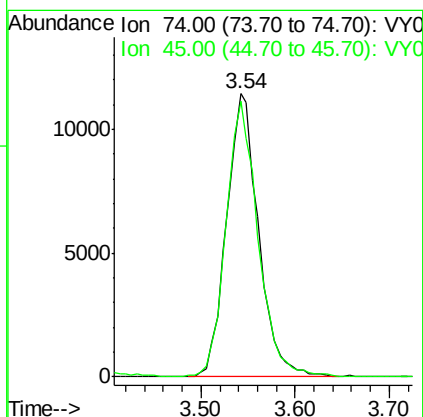
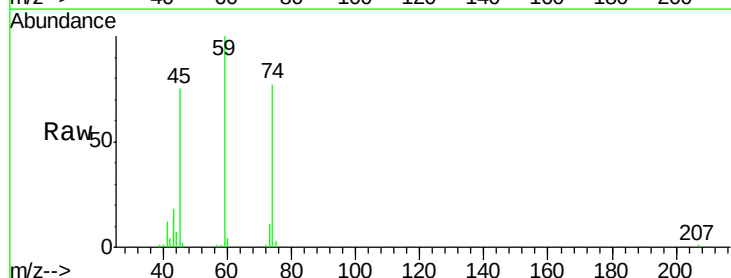
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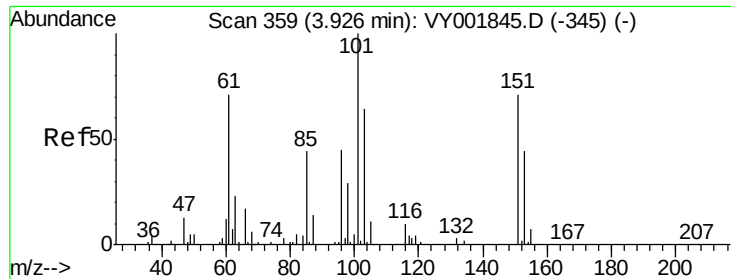


#8

Diethyl Ether
 Concen: 21.763 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.150 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

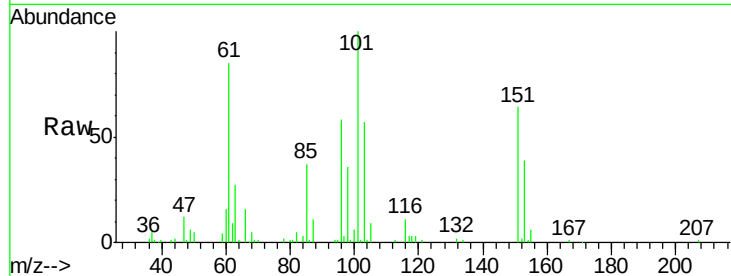
ClientSampleId :

VY0304SBS01

Tot Ion:	101	Resp:	42870
Ion Ratio	Lower	Upper	
101	100		
85	42.3	35.3	52.9
151	69.7	57.0	85.4

Manual Integrations
APPROVED

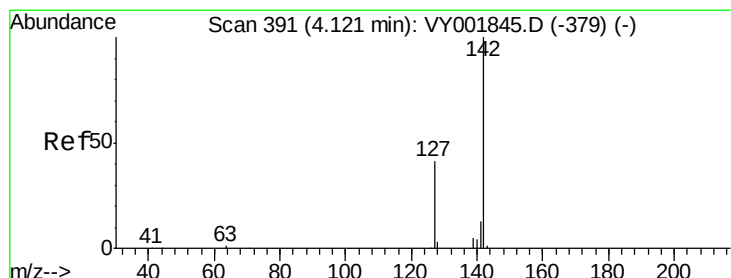
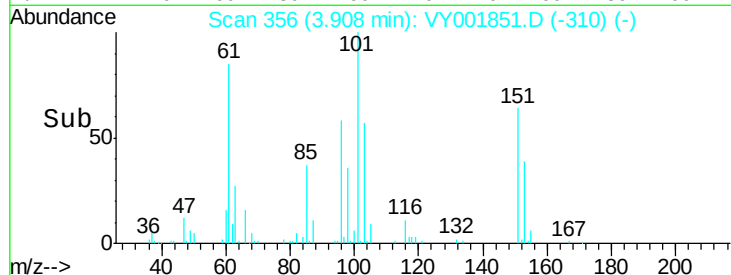
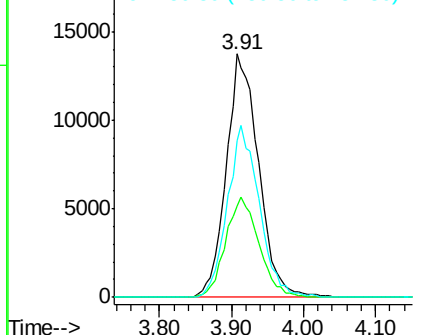
MMDadoda
3/5/2020 1:37:21 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.225 ug/l

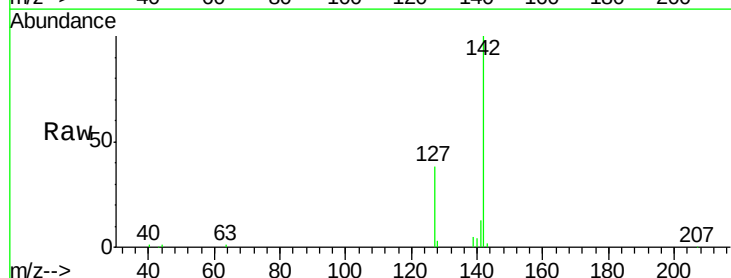
RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

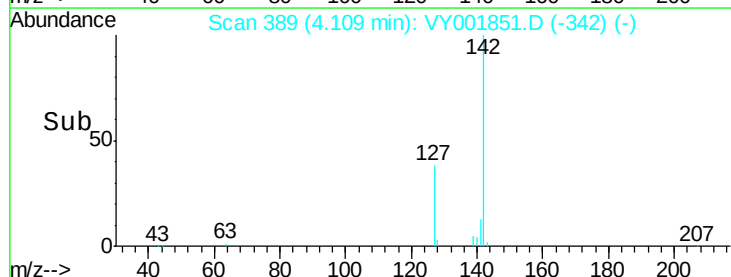
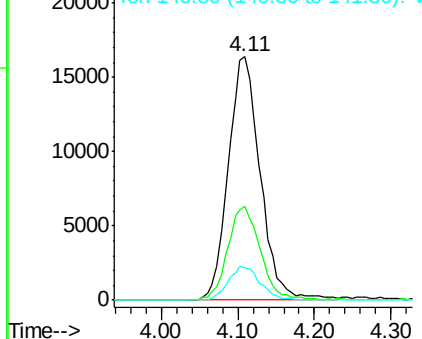
Tgt Ion:	142	Resp:	47409
Ion Ratio	Lower	Upper	
142	100		
127	39.2	32.7	49.1
141	13.8	11.0	16.6

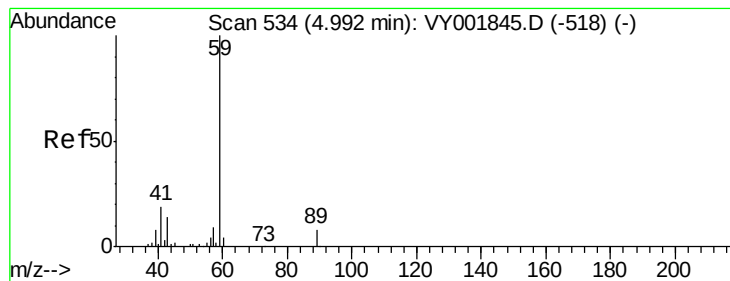


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

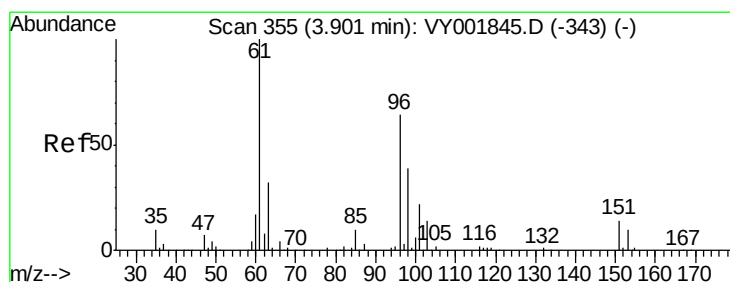
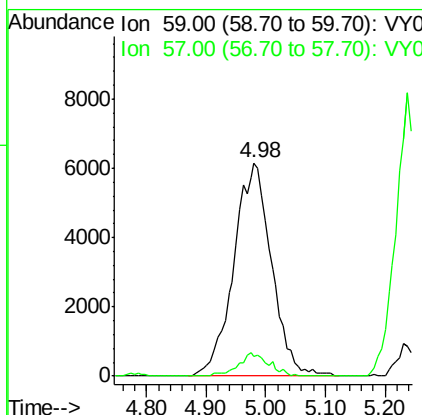
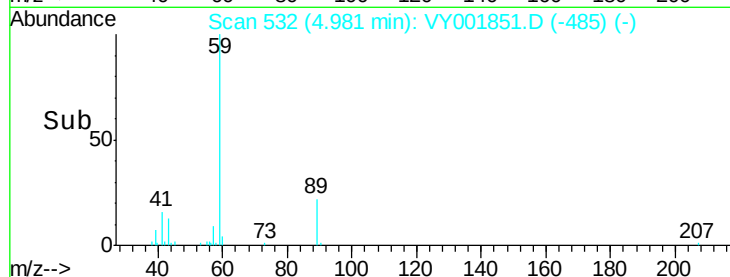
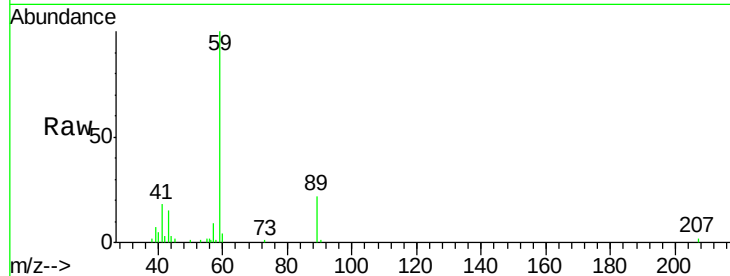
Tert butyl alcohol
Concen: 121.150 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 59 Resp: 27080
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2

Manual Integrations
APPROVED

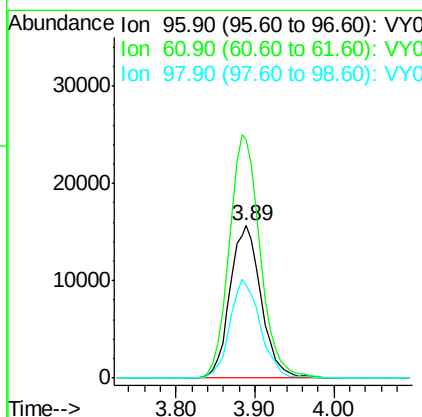
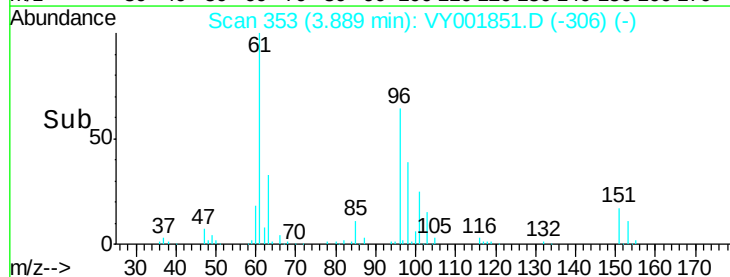
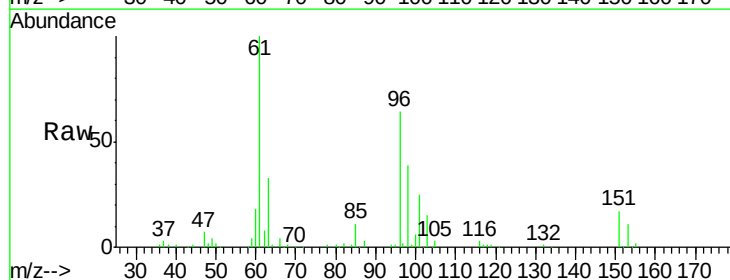
MMDadoda
3/5/2020 1:37:21 PM

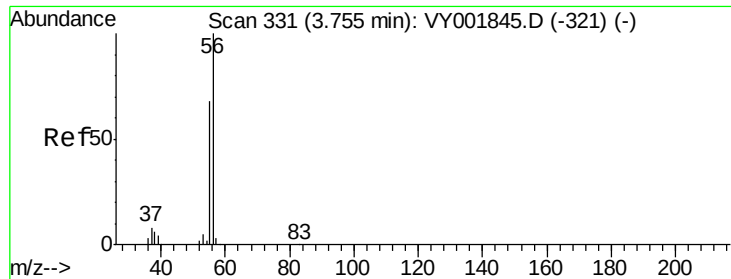


#12

1,1-Dichloroethene
Concen: 21.028 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 96 Resp: 42916
Ion Ratio Lower Upper
96 100
61 156.6 124.8 187.2
98 60.7 49.2 73.8





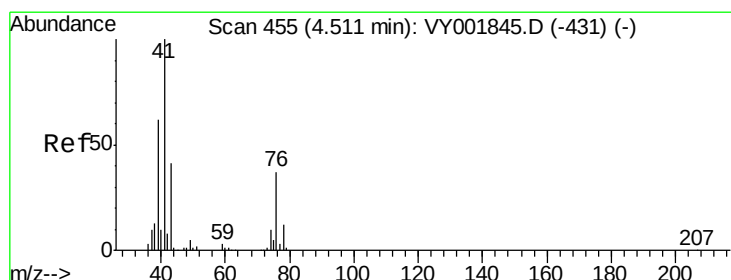
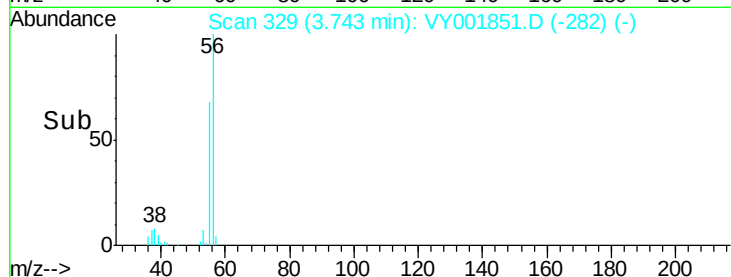
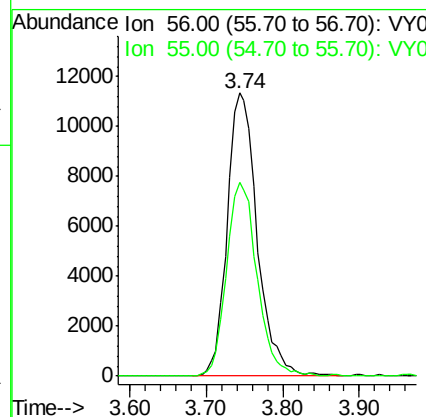
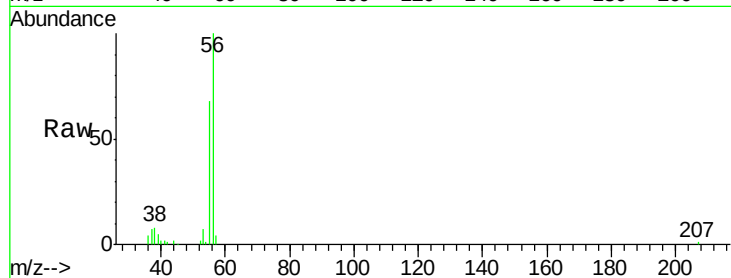
#13
Acrolein
Concen: 111.572 ug/l
RT: 3.74 min Scan# 329
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	54.0	81.0

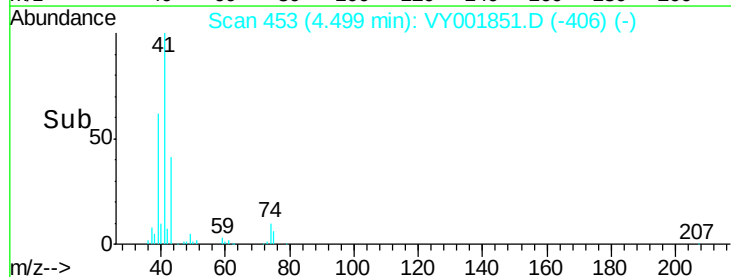
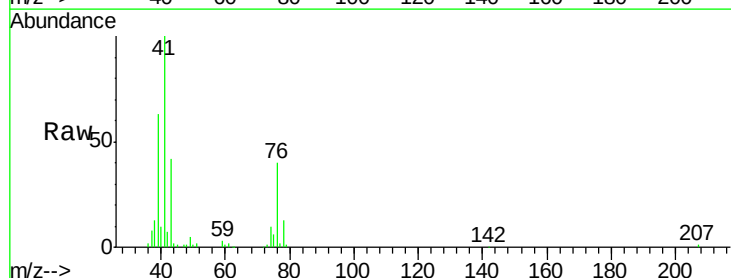
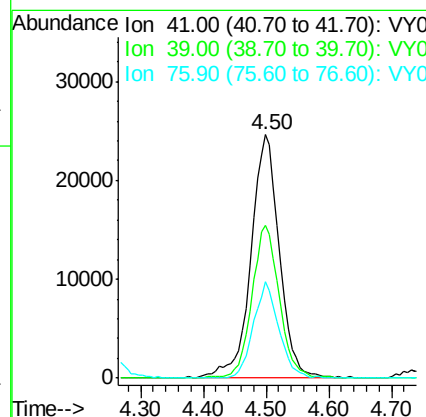
Manual Integrations
APPROVED

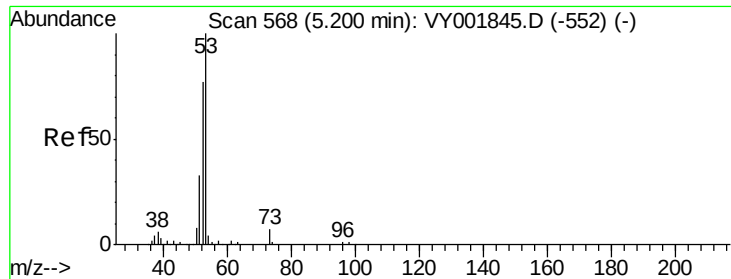
MMDadoda
3/5/2020 1:37:21 PM



#14
Allyl chloride
Concen: 21.343 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.3	49.0	73.6
76	35.2	28.9	43.3





#15

Acrylonitrile

Concen: 106.135 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

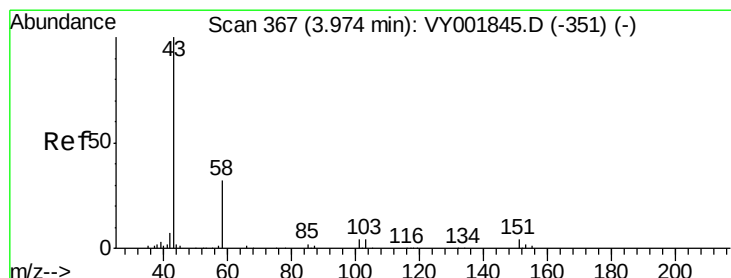
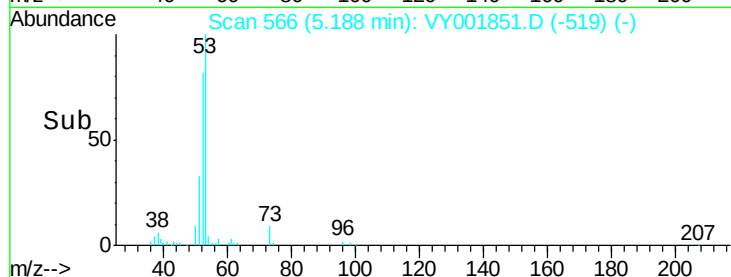
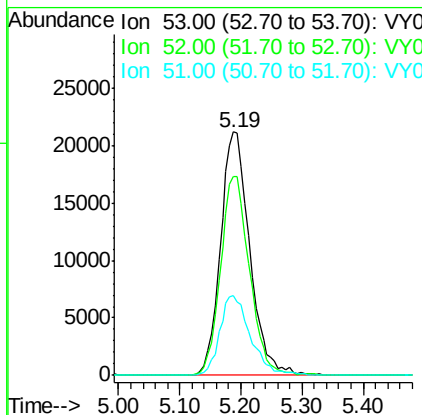
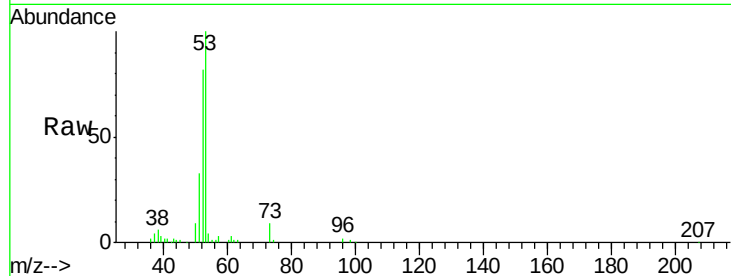
ClientSampleId :

VY0304SBS01

Tot Ion:	53	Resp:	70444
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	34.5	27.5	41.3

Manual Integrations
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3/5/2020 1:37:21 PM



#16

Acetone

Concen: 103.052 ug/l

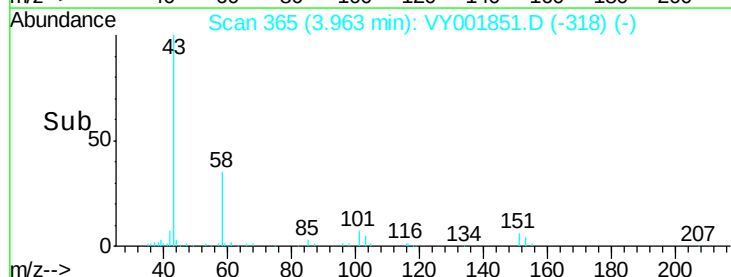
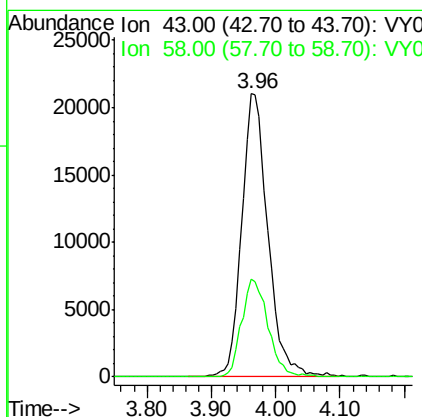
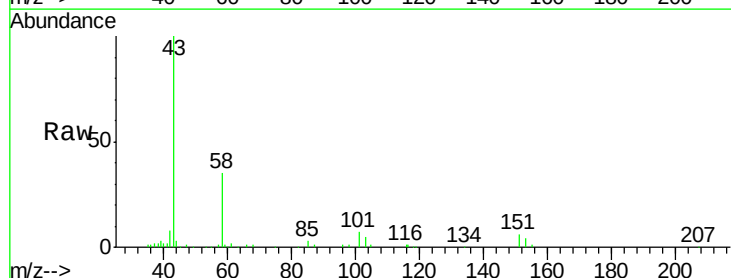
RT: 3.96 min Scan# 365

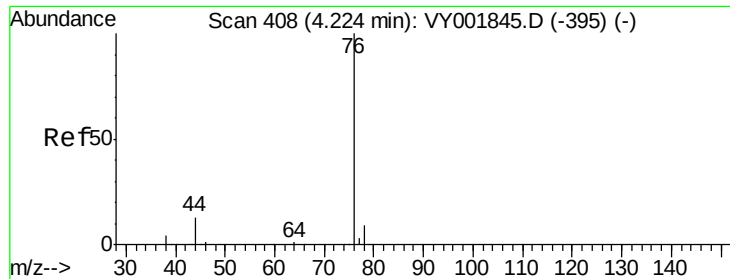
Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion:	43	Resp:	58820
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.9	38.9





#17

Carbon Disulfide

Concen: 20.419 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 76 Resp: 140088

Ion Ratio Lower Upper

76 100

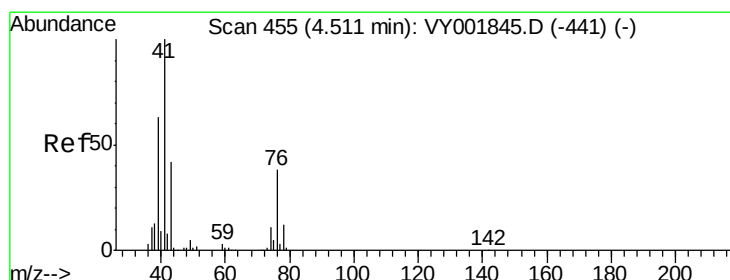
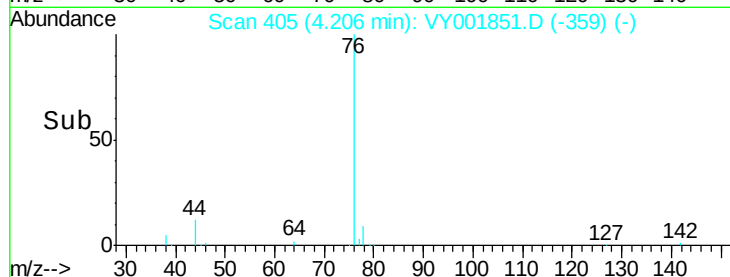
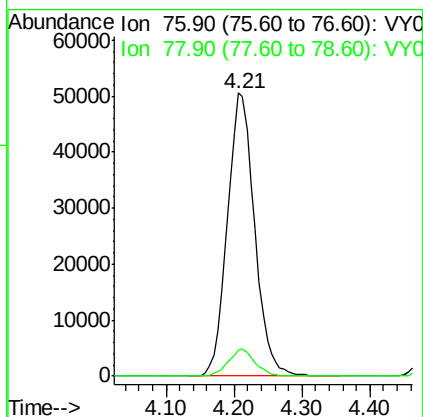
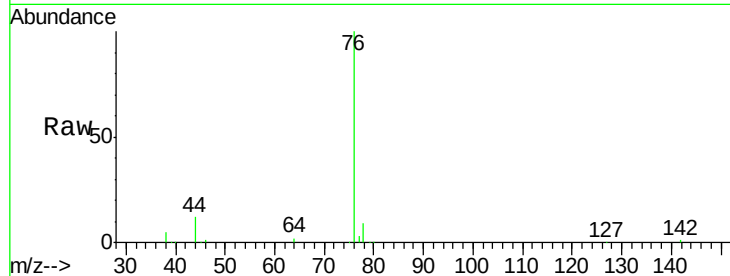
78 9.2 7.4 11.2

Manual Integrations

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3/5/2020 1:37:21 PM



#18

Methyl Acetate

Concen: 21.260 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001851.D

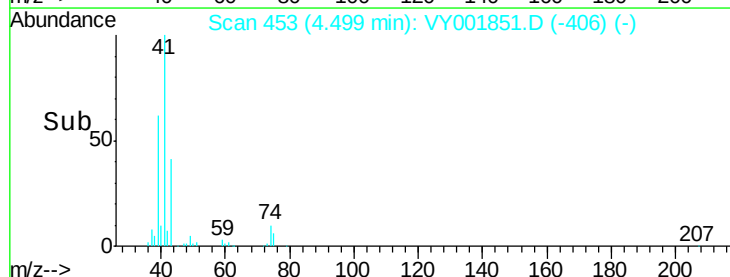
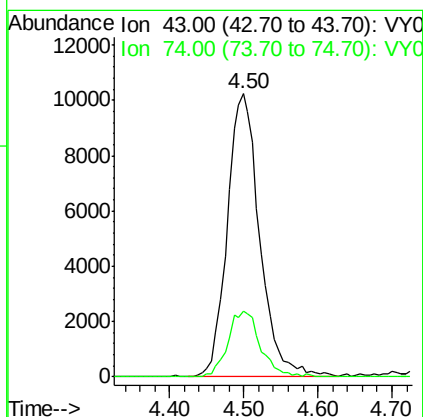
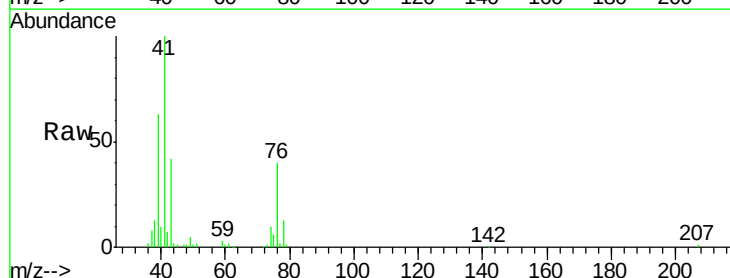
Acq: 04 Mar 2020 14:23

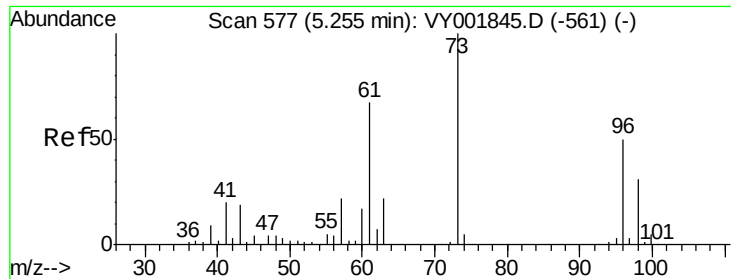
Tgt Ion: 43 Resp: 31179

Ion Ratio Lower Upper

43 100

74 22.9 19.0 28.6





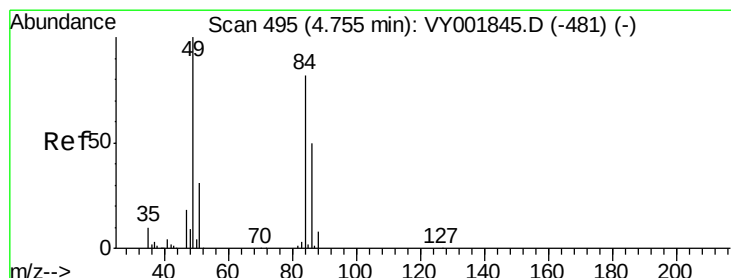
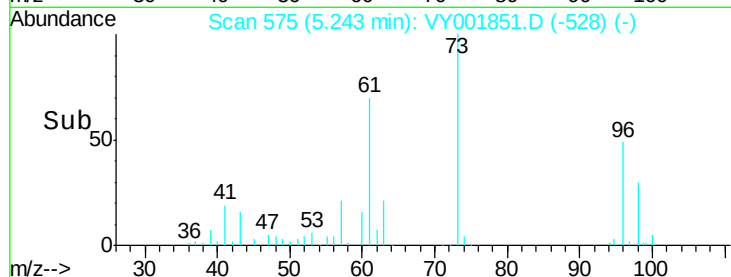
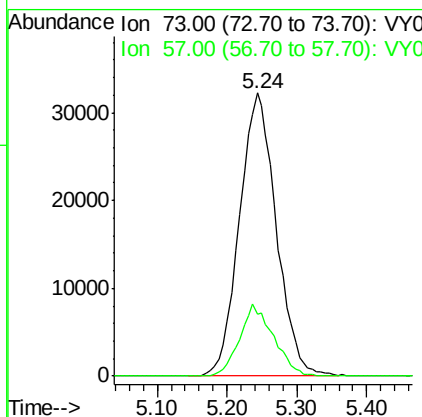
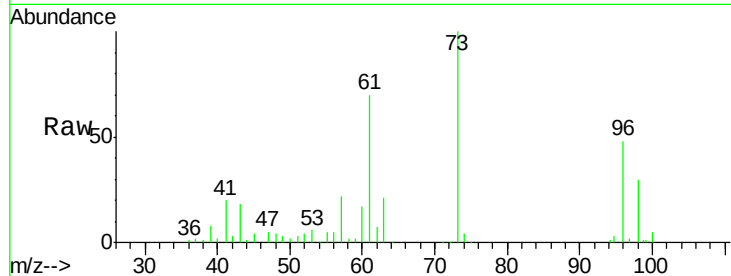
#19
Methyl tert-butyl Ether
Concen: 21.269 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 73 Resp: 117633
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2

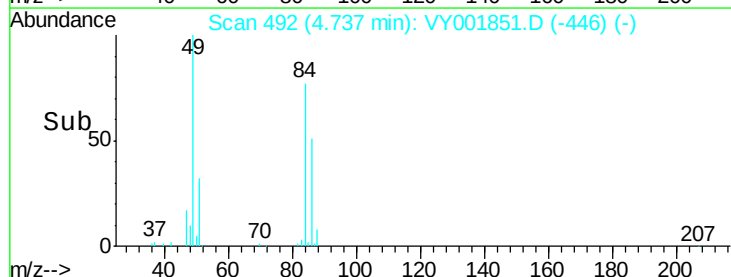
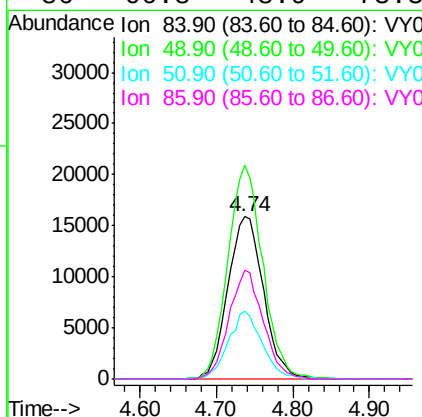
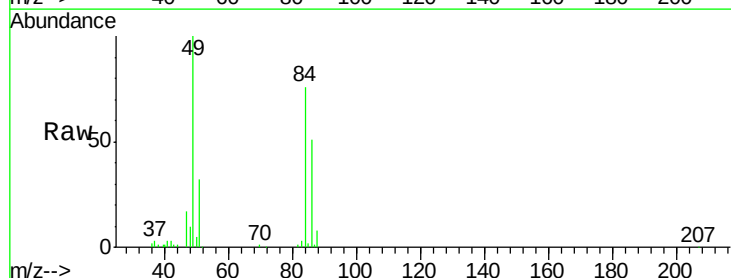
Manual Integrations
APPROVED

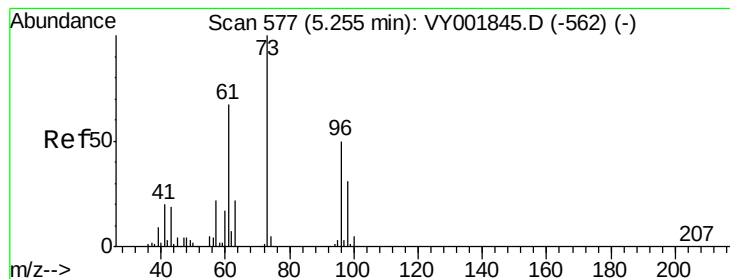
MMDadoda
3/5/2020 1:37:21 PM



#20
Methylene Chloride
Concen: 20.967 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 84 Resp: 51291
Ion Ratio Lower Upper
84 100
49 131.5 98.2 147.2
51 41.8 30.2 45.2
86 66.8 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.844 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 96 Resp: 48285

Ion Ratio Lower Upper

96 100

61 129.9 107.7 161.5

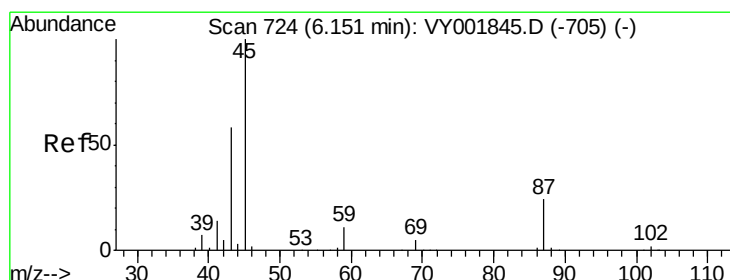
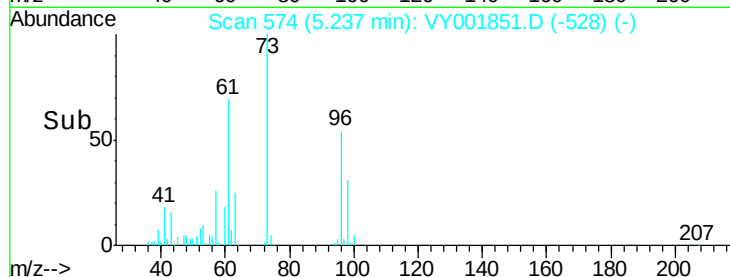
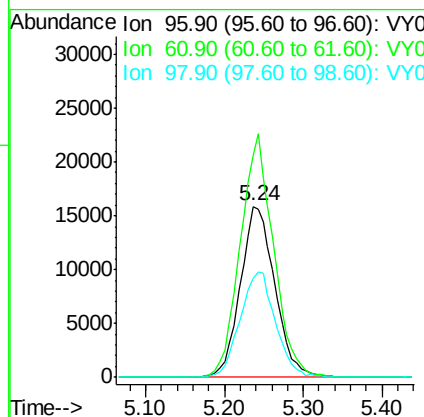
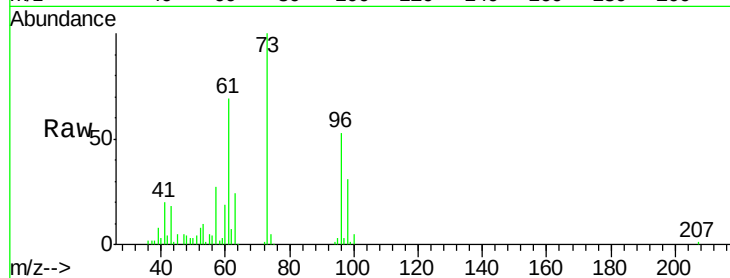
98 57.7 49.3 73.9

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:37:21 PM



#22

Diisopropyl ether

Concen: 20.976 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion: 45 Resp: 155570

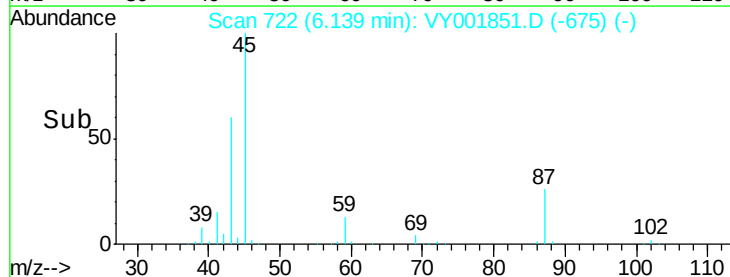
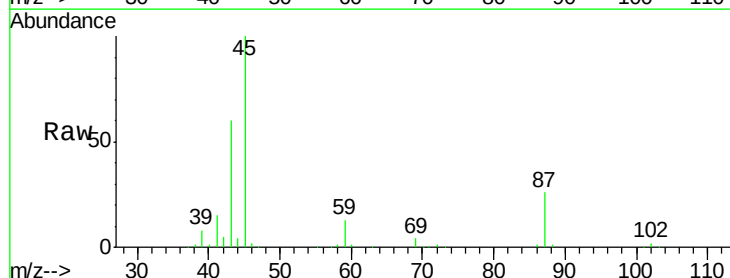
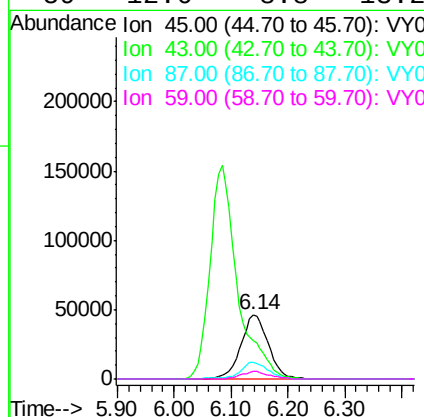
Ion Ratio Lower Upper

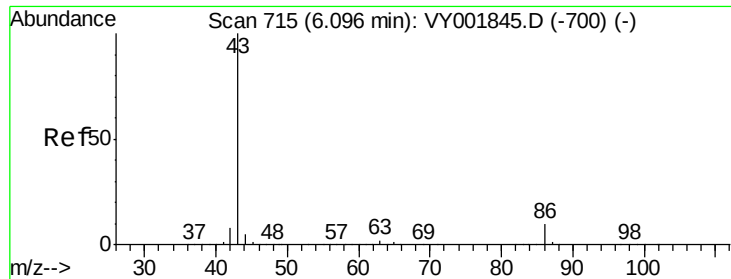
45 100

43 59.5 47.2 70.8

87 25.9 19.8 29.8

59 12.6 8.8 13.2





#23

Vinyl Acetate

Concen: 106.338 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 43 Resp: 517024

Ion Ratio Lower Upper

43 100

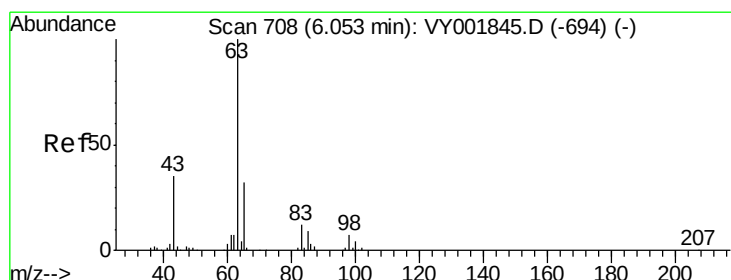
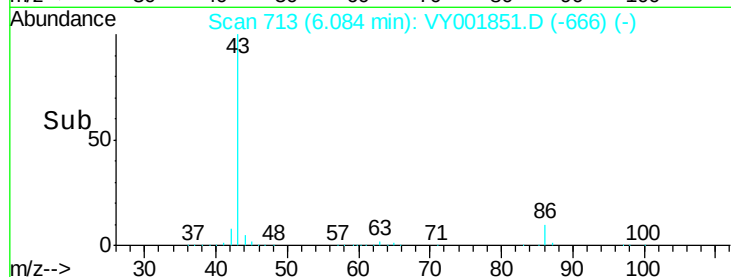
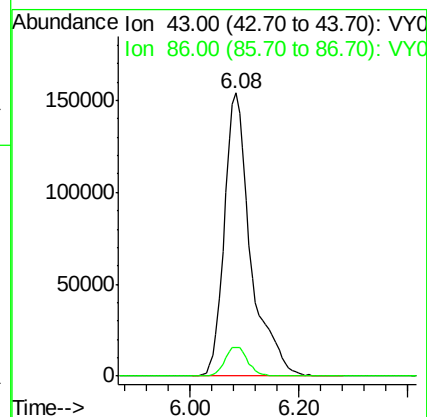
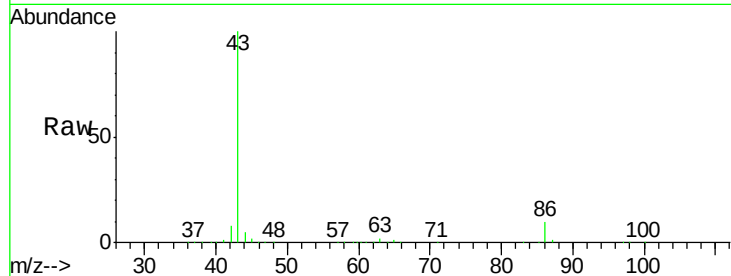
86 10.1 7.8 11.8

Manual Integrations

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3/5/2020 1:37:21 PM



#24

1,1-Dichloroethane

Concen: 20.698 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

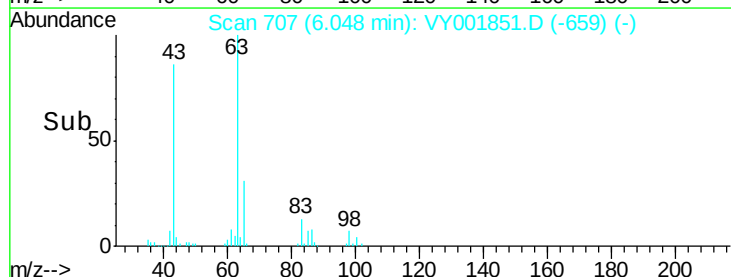
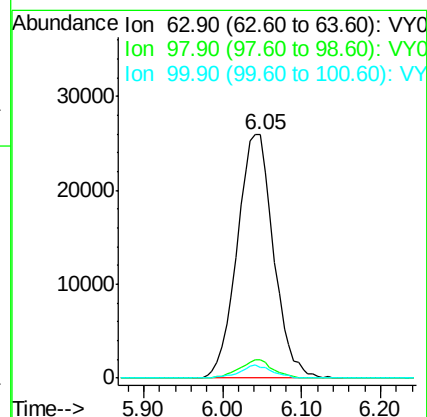
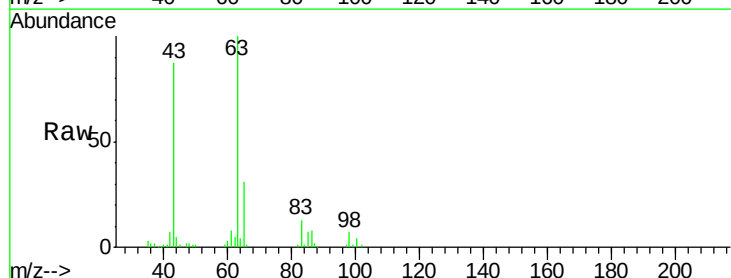
Tgt Ion: 63 Resp: 83128

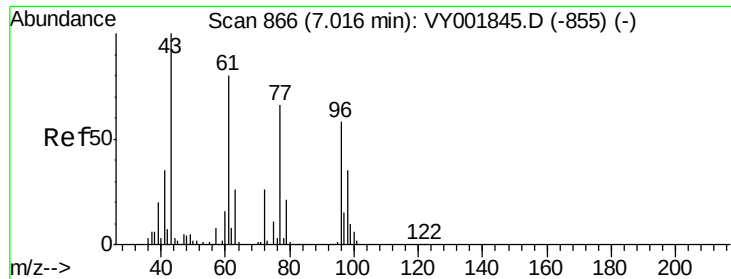
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.3 2.0 6.0





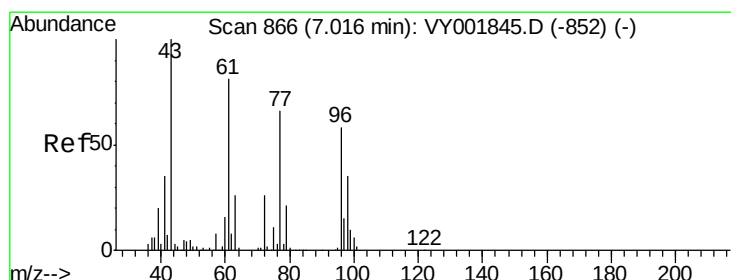
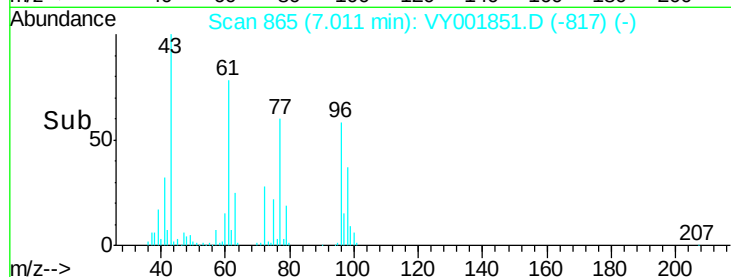
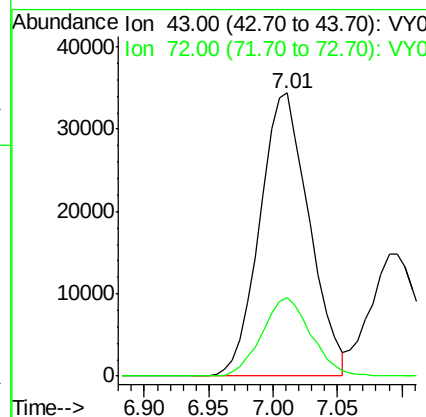
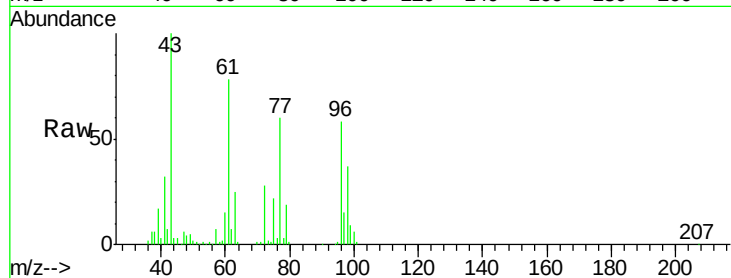
#25
2-Butanone
Concen: 105.334 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 43 Resp: 91430
Ion Ratio Lower Upper
43 100
72 27.6 20.9 31.3

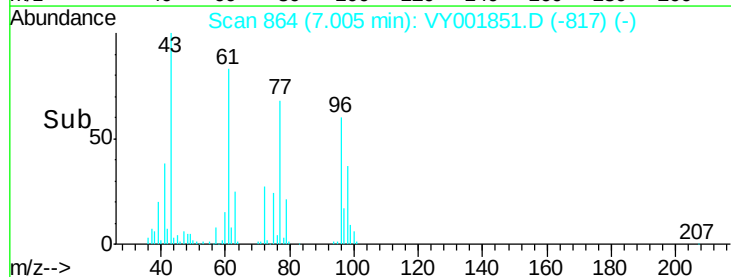
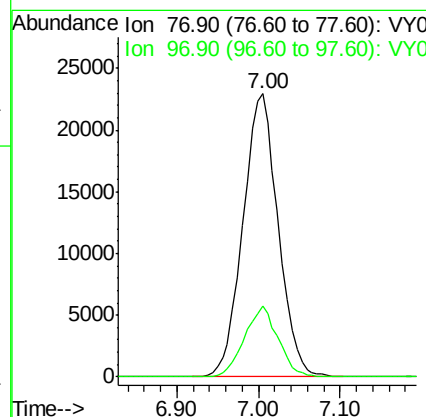
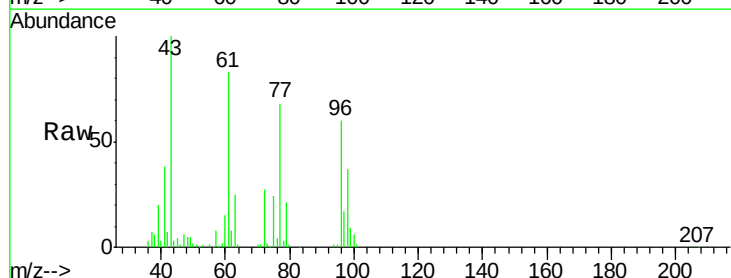
Manual Integrations
APPROVED

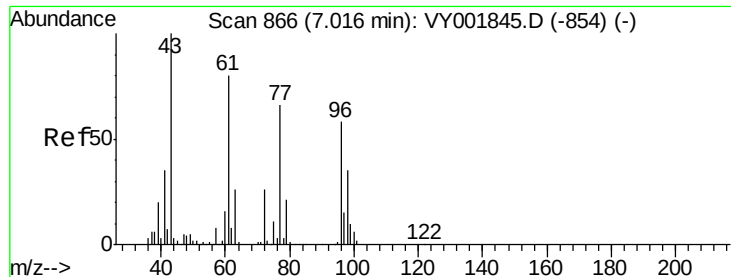
MMDadoda
3/5/2020 1:37:21 PM



#26
2,2-Dichloropropane
Concen: 20.837 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 77 Resp: 68690
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.7





#27

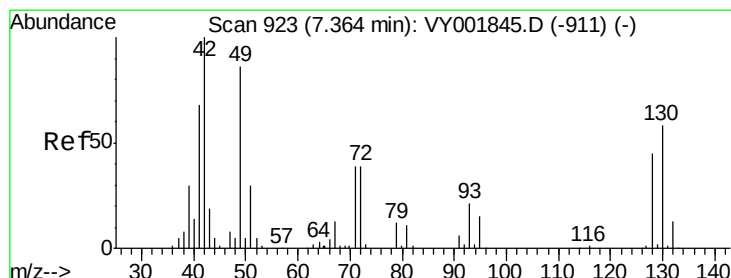
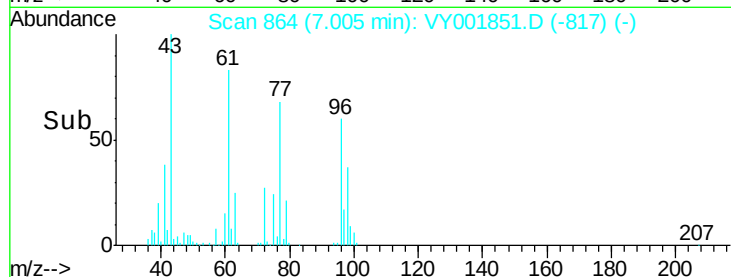
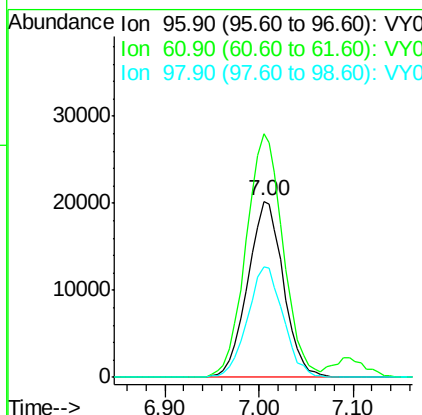
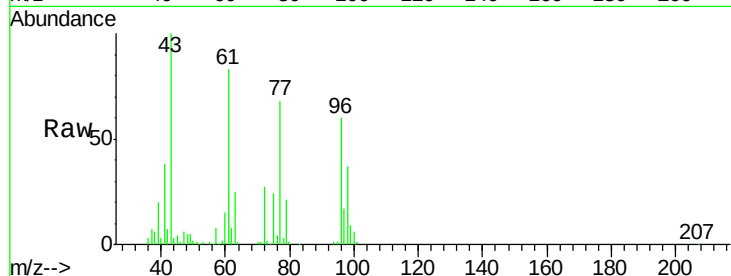
cis-1,2-Dichloroethene
Concen: 21.349 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	288.2
98	62.9	0.0	129.0

Manual Integrations
APPROVED

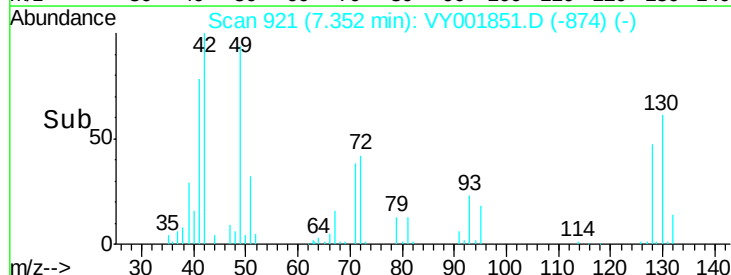
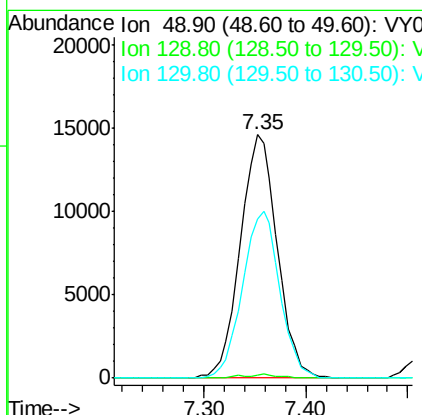
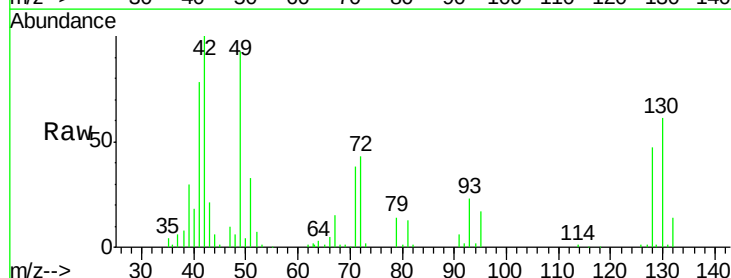
MMDadoda
3/5/2020 1:37:21 PM

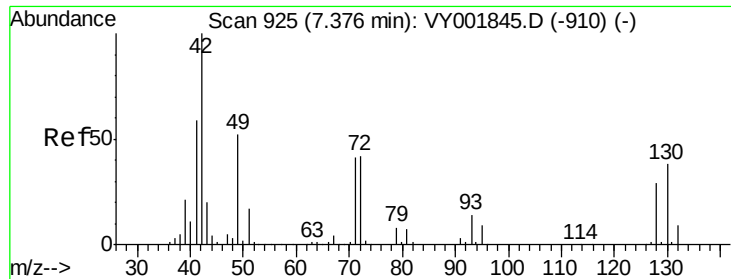


#28

Bromochloromethane
Concen: 20.299 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	69.2	54.4	81.6





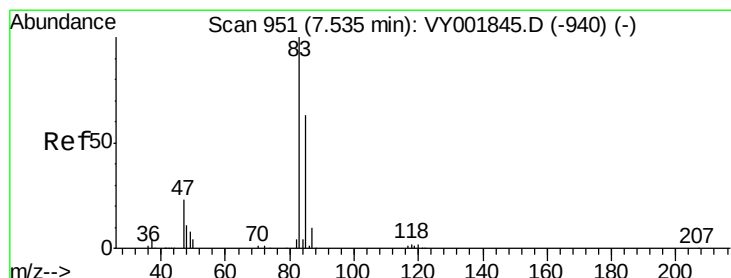
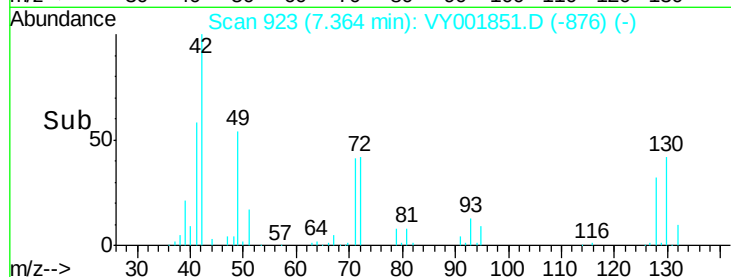
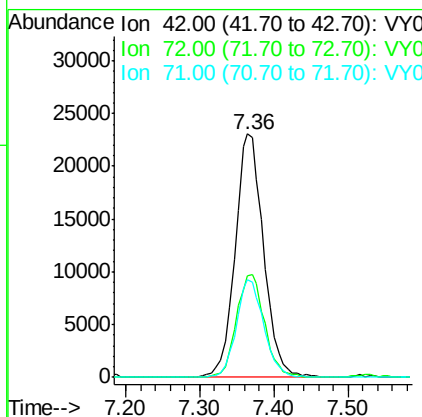
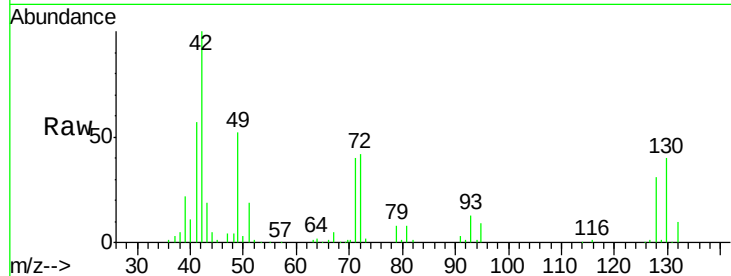
#29
Tetrahydrofuran
Concen: 107.053 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.5	50.3
71	38.6	31.3	46.9

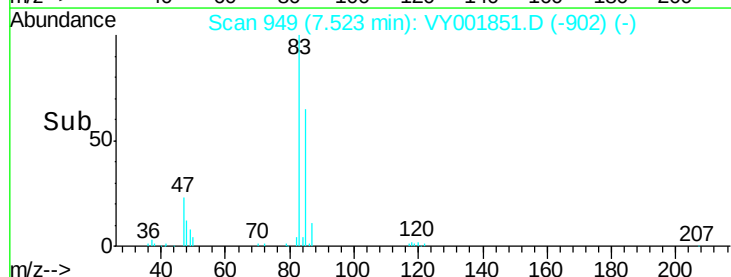
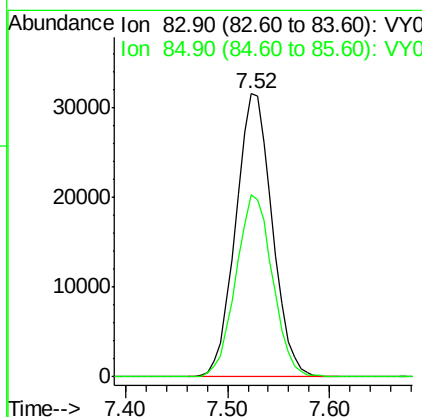
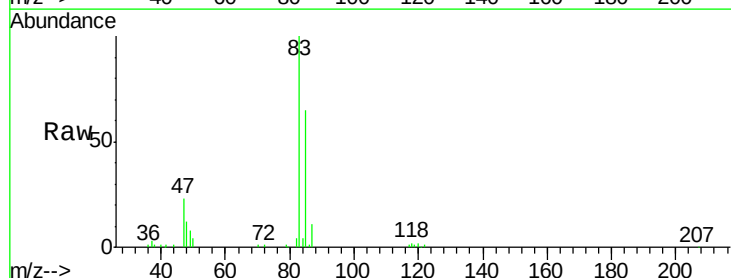
Manual Integrations
APPROVED

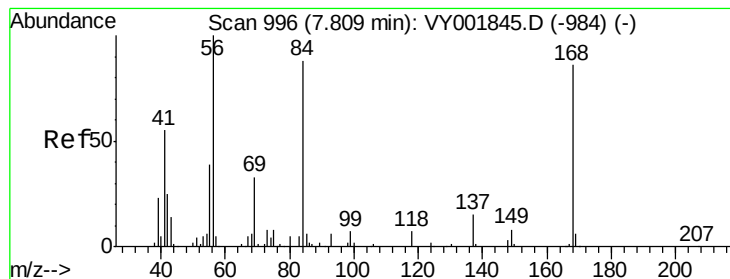
MMDadoda
3/5/2020 1:37:21 PM



#30
Chloroform
Concen: 20.784 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1





#31

Cyclohexane

Concen: 20.683 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 56 Resp: 89070

Ion Ratio Lower Upper

56 100

69 35.4 26.7 40.1

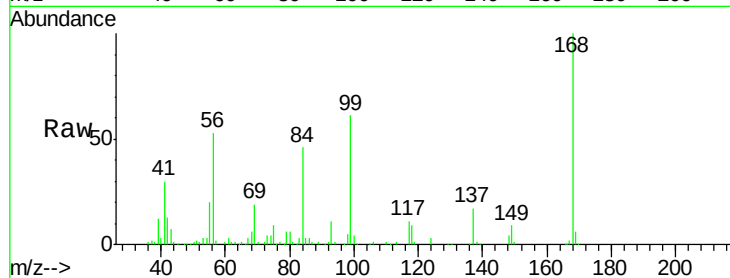
84 85.1 70.4 105.6

Manual Integrations

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MMDadoda

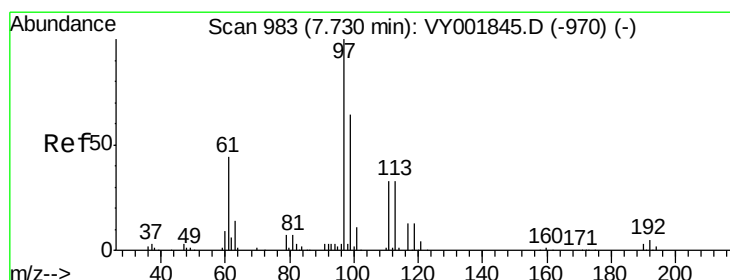
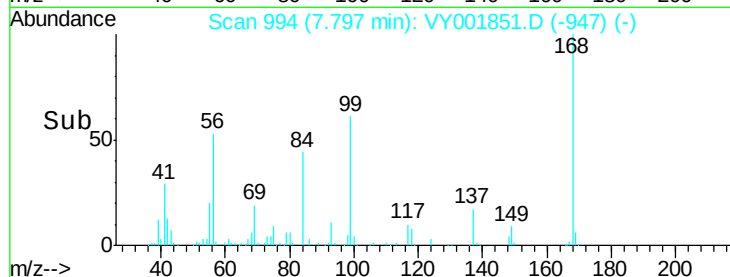
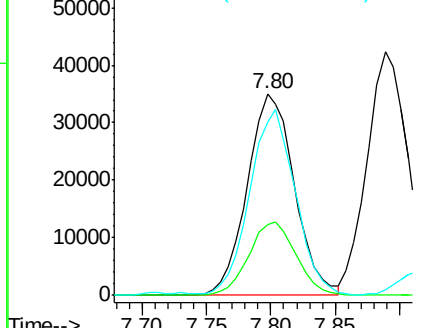
3/5/2020 1:37:21 PM



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: 21.021 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

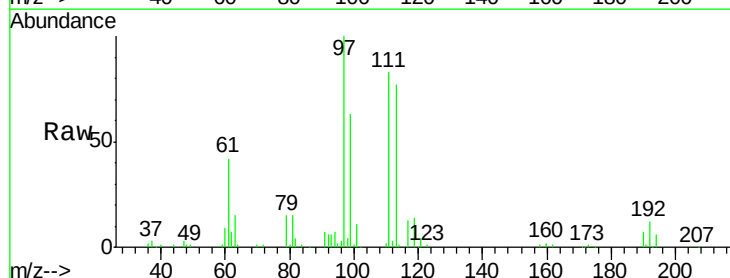
Tgt Ion: 97 Resp: 66855

Ion Ratio Lower Upper

97 100

99 63.1 52.0 78.0

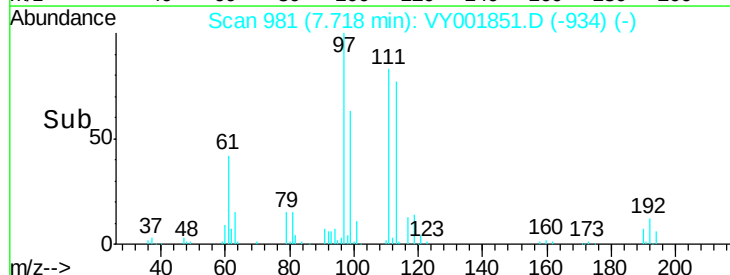
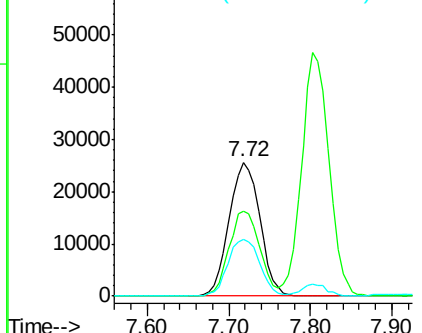
61 43.9 35.0 52.4

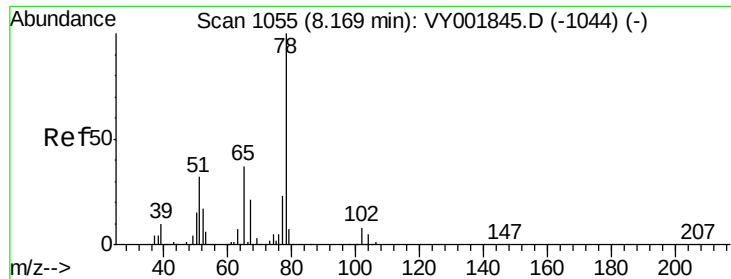


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





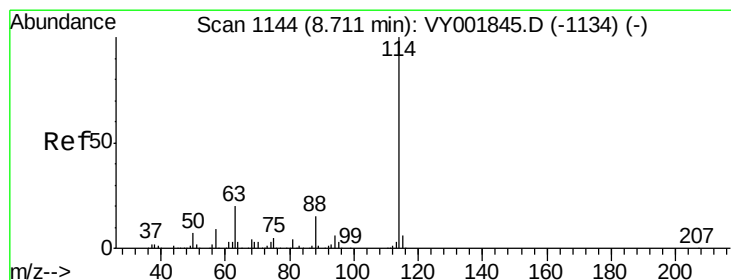
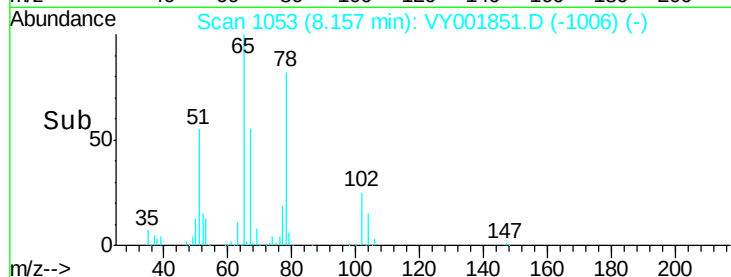
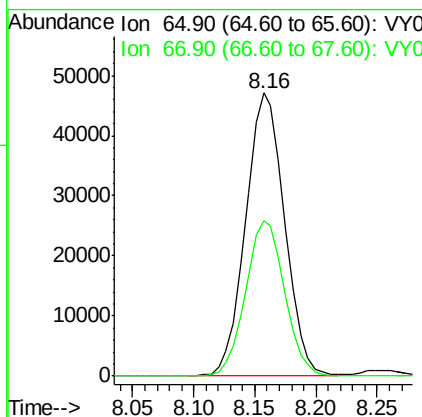
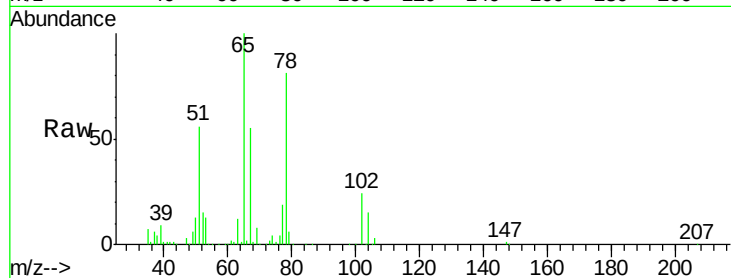
#33
 1,2-Dichloroethane-d4
 Concen: 53.239 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	110.8	

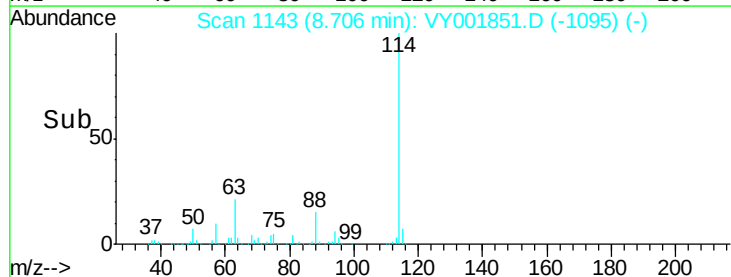
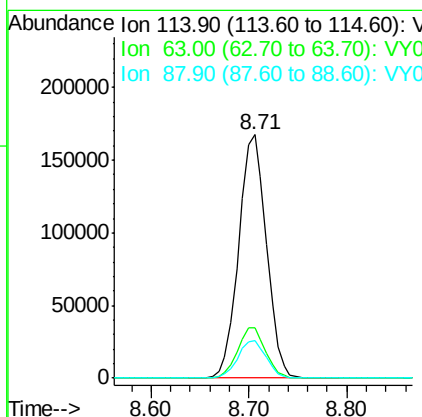
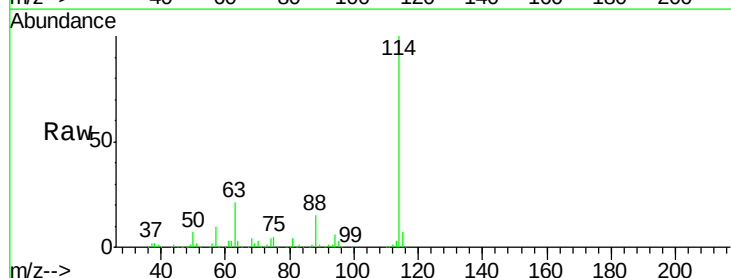
Manual Integrations
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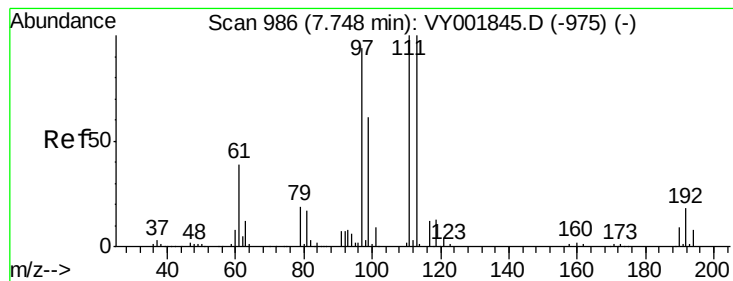
MMDadoda
 3/5/2020 1:37:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	39.4	
88	15.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 53.101 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

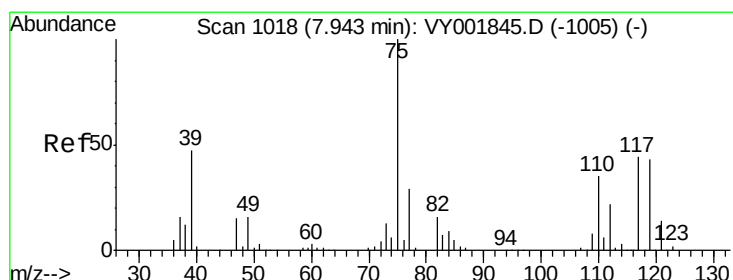
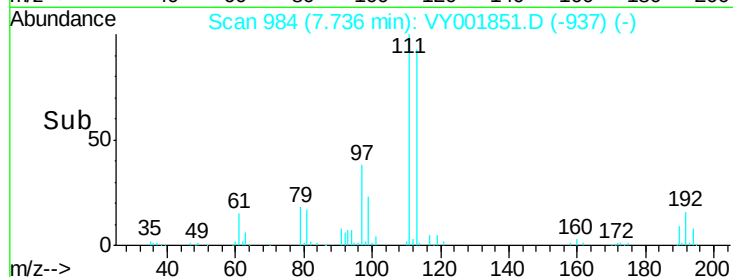
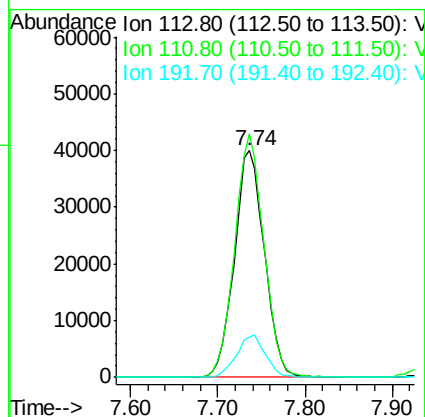
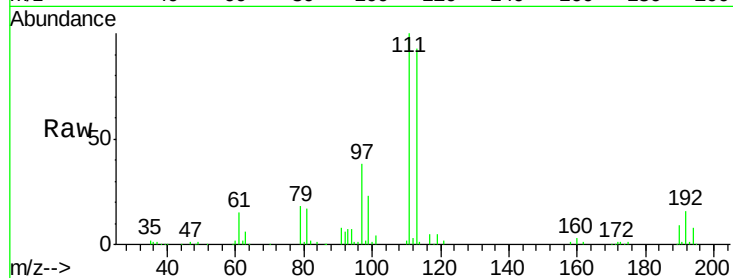
ClientSampleId :

VY0304SBS01

Tot Ion:	113	Resp:	95420
Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.8
192	17.9	14.2	21.2

Manual Integrations
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3/5/2020 1:37:21 PM



#36

1,1-Dichloropropene

Concen: 21.140 ug/l

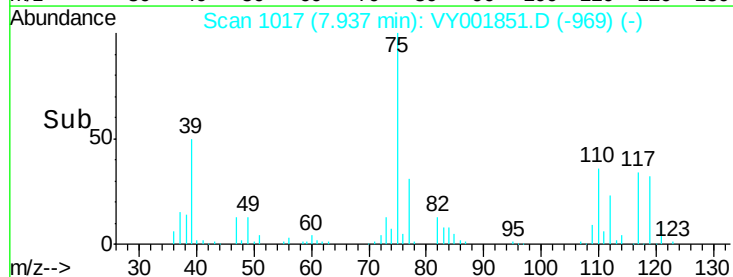
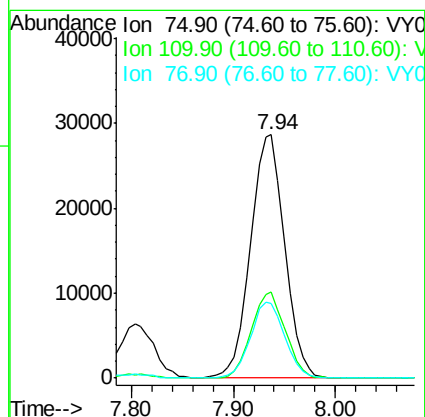
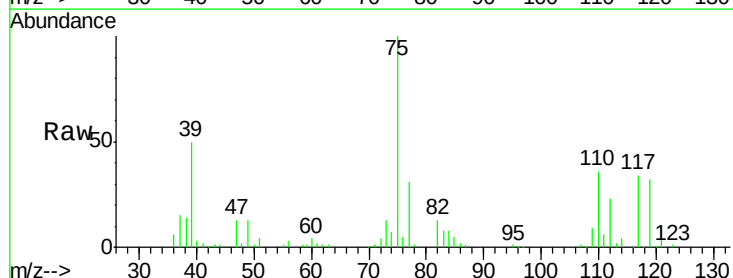
RT: 7.94 min Scan# 1017

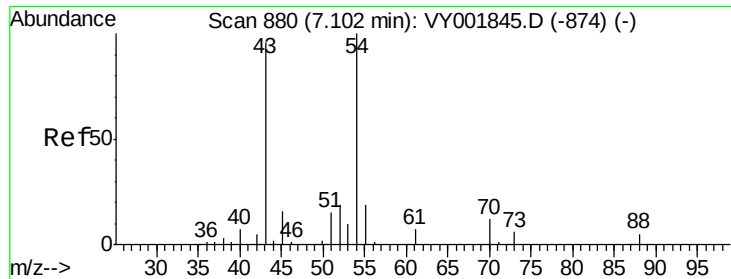
Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion:	75	Resp:	66947
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.2
77	31.4	24.2	36.2





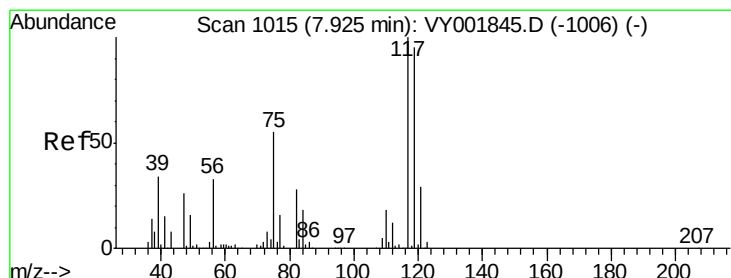
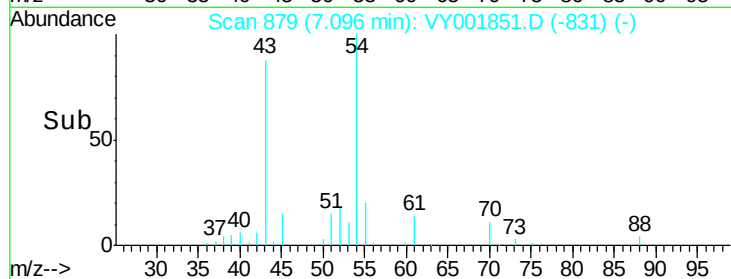
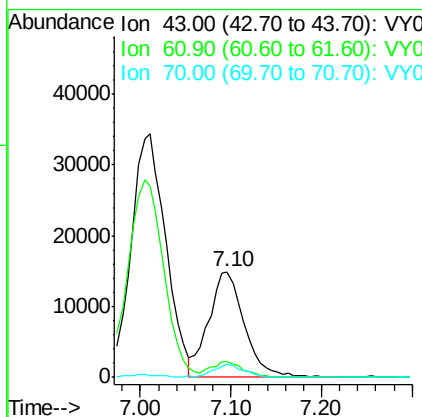
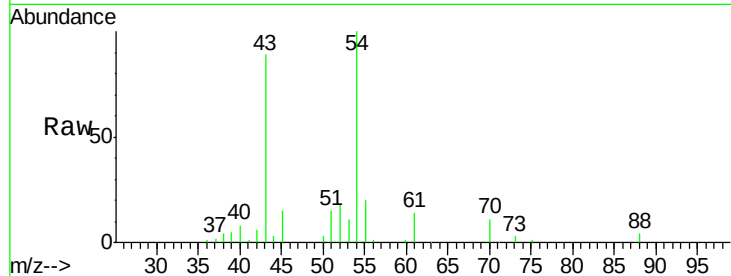
#37
Ethyl Acetate
Concen: 22.260 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	10.4	8.2	12.4

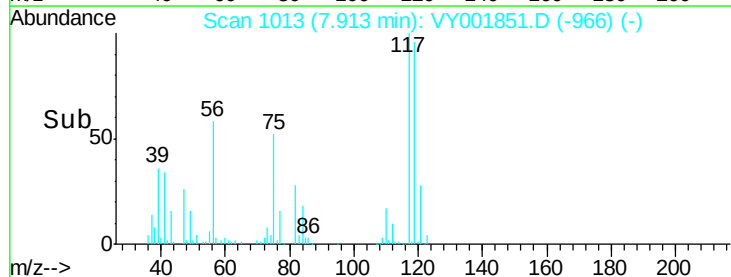
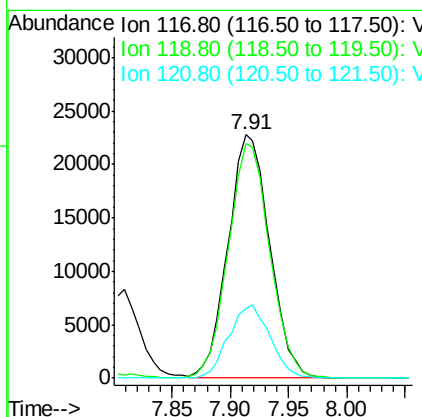
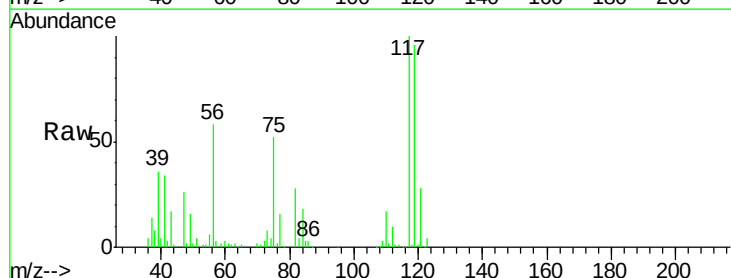
Manual Integrations
APPROVED

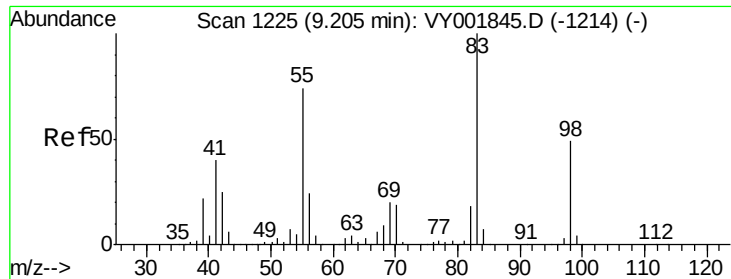
MMDadoda
3/5/2020 1:37:21 PM



#38
Carbon Tetrachloride
Concen: 20.980 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	28.4	23.5	35.3





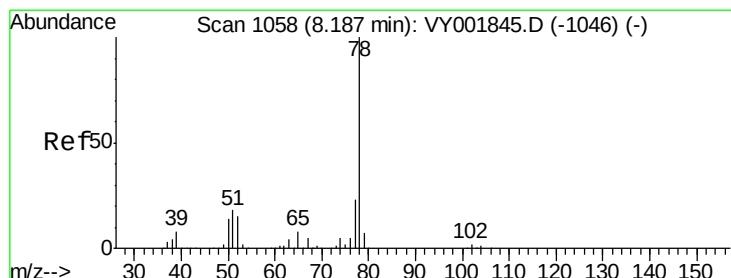
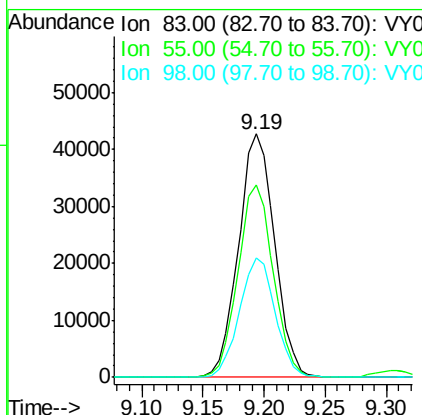
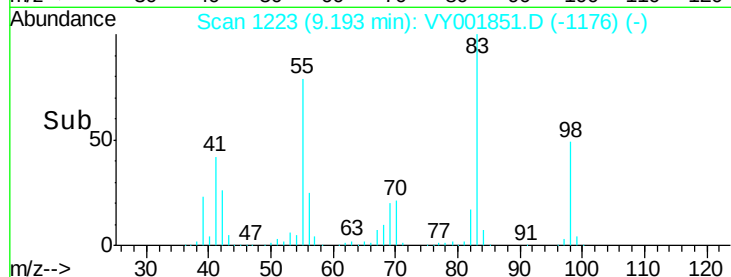
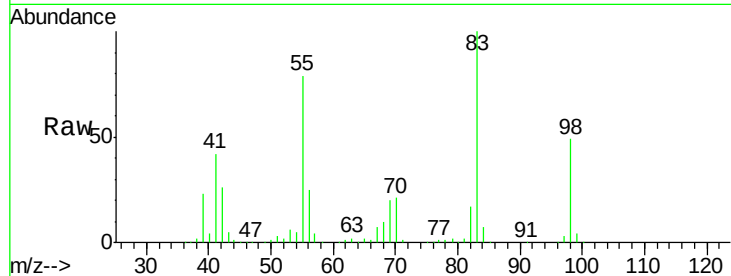
#39
Methylvlcyclohexane
Concen: 20.838 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	59.4	89.0
98	48.8	38.9	58.3

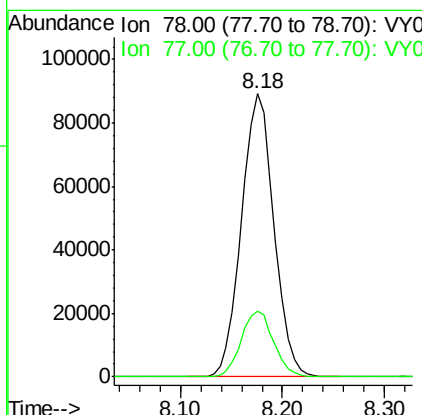
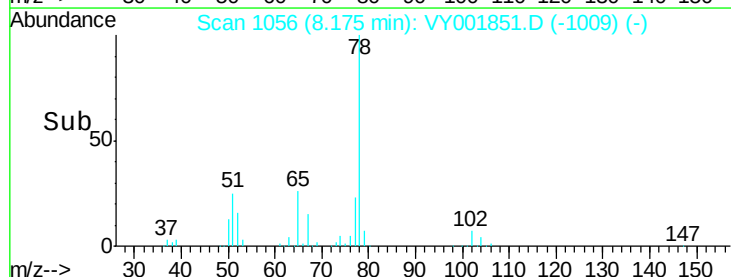
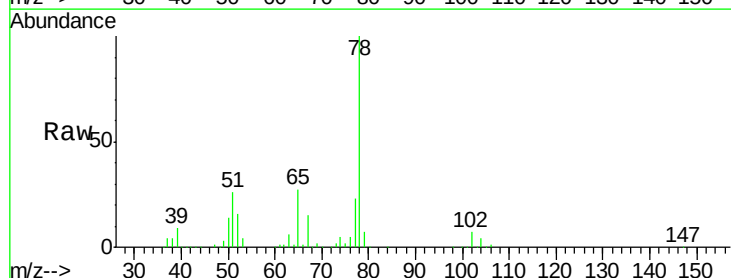
Manual Integrations
APPROVED

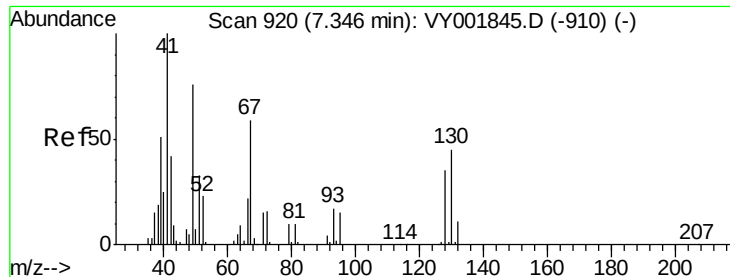
MMDadoda
3/5/2020 1:37:21 PM



#40
Benzene
Concen: 21.000 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





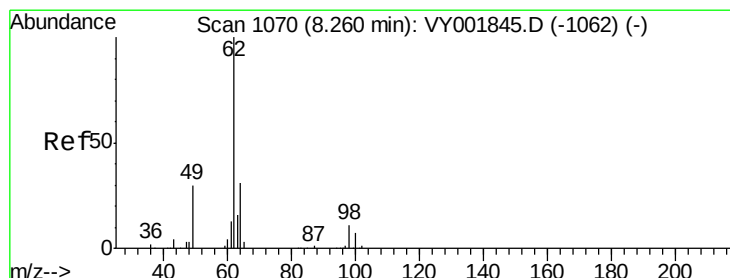
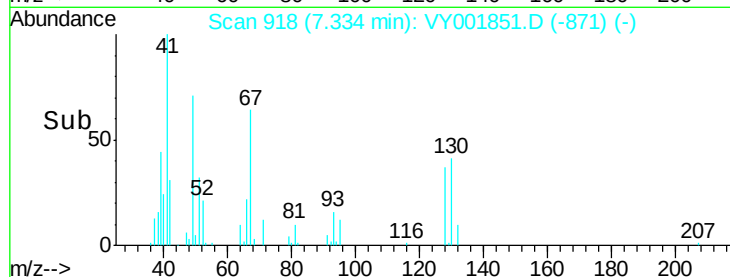
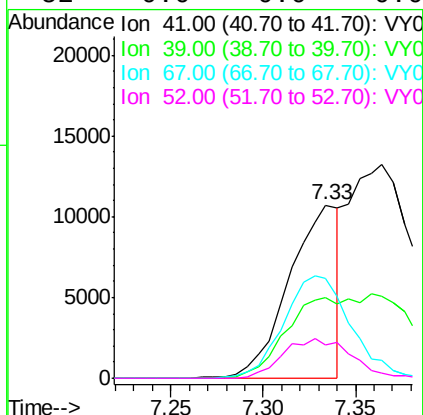
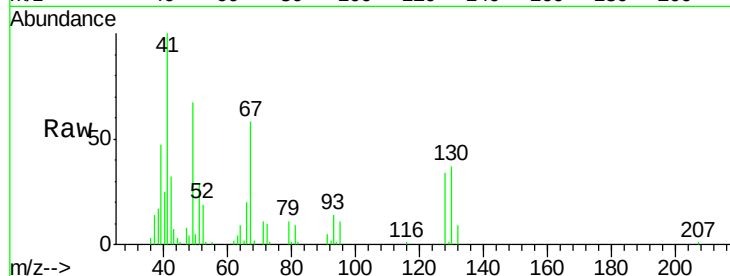
#41
Methacrylonitrile
Concen: 24.657 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	41	Resp	20424
Ion Ratio	Lower	Upper	
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

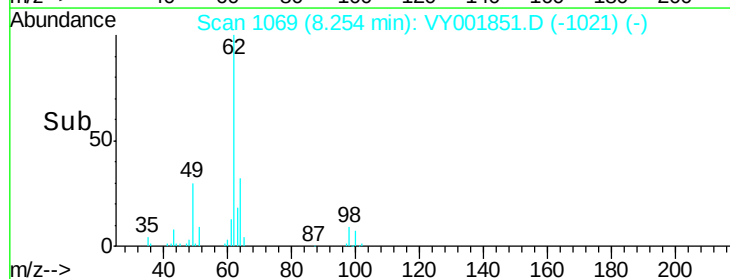
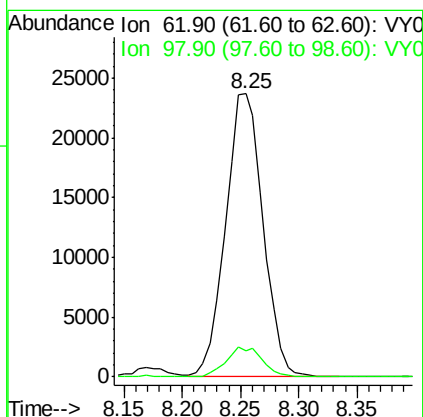
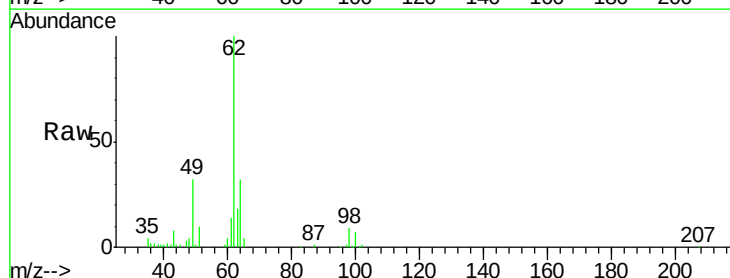
Manual Integrations
APPROVED

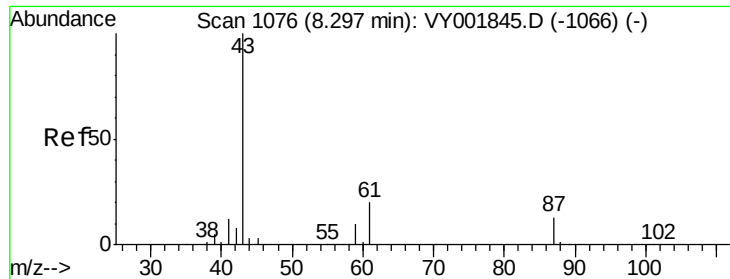
MMDadoda
3/5/2020 1:37:21 PM



#42
1,2-Dichloroethane
Concen: 21.849 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	62	Resp	52848
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	21.4





#43

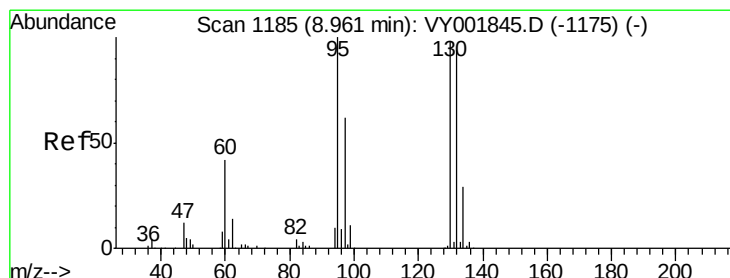
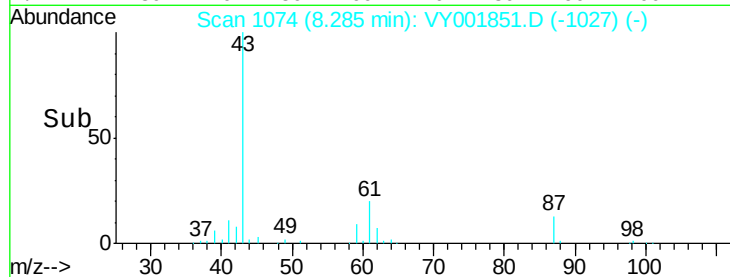
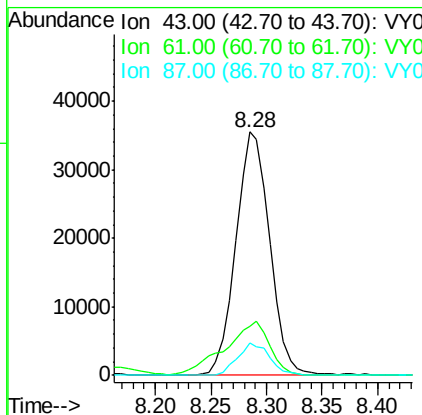
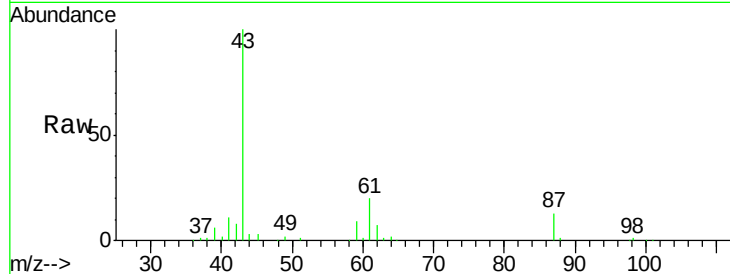
Isopropyl Acetate
 Concen: 21.488 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	43	61	87
Resp	74878		
Ratio	100	29.5	12.6
Lower		23.8	10.9
Upper		35.6	16.3

Manual Integrations
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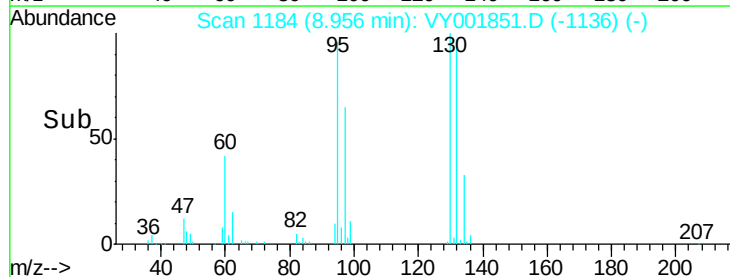
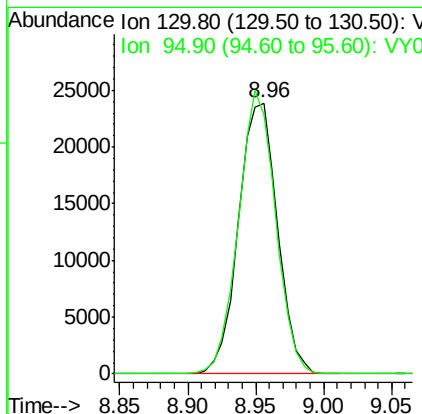
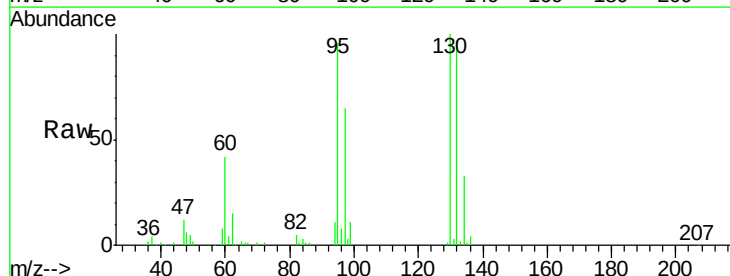
MMDadoda
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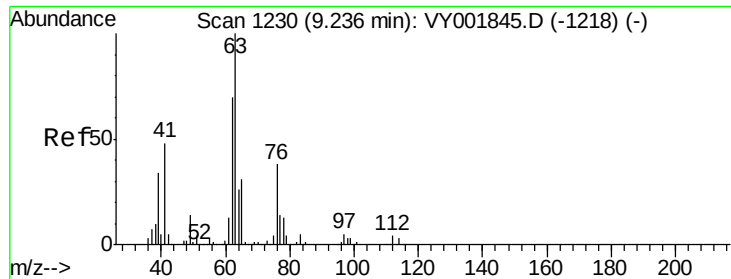


#44

Trichloroethene
 Concen: 20.905 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	130	95
Resp	47789	
Ratio	100	95.9
Lower		0.0
Upper		204.6





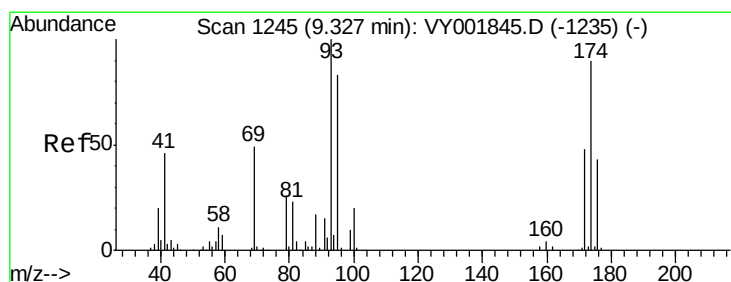
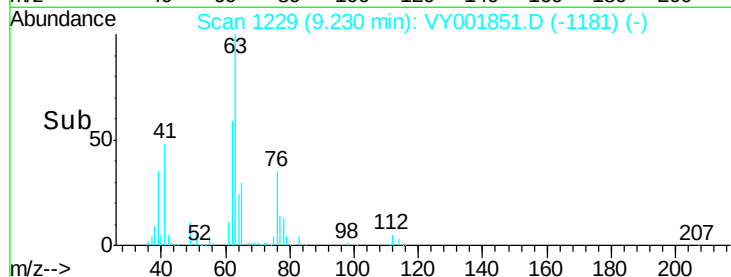
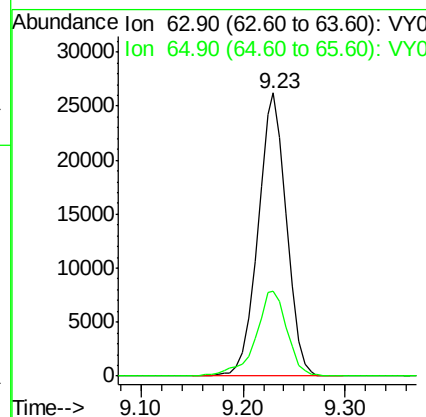
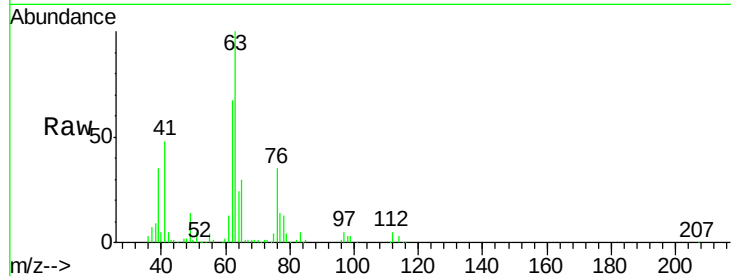
#45
 1,2-Dichloropropane
 Concen: 21.507 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.9	37.3

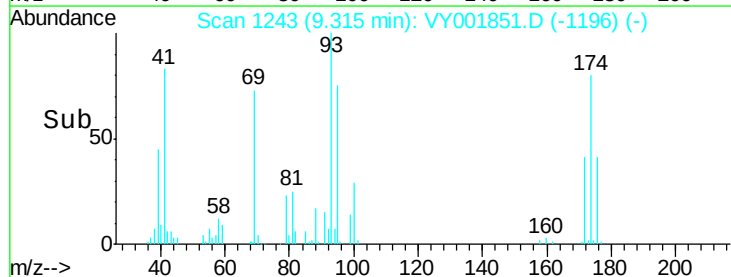
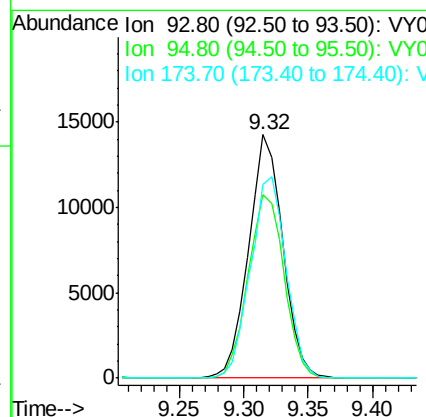
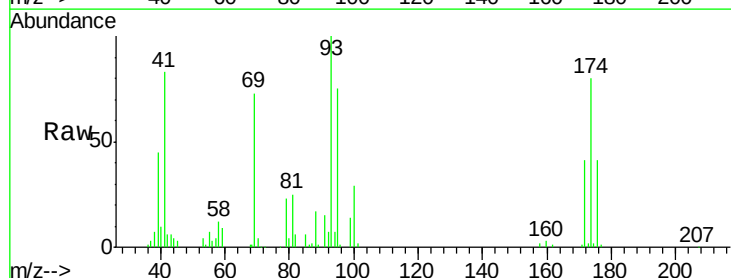
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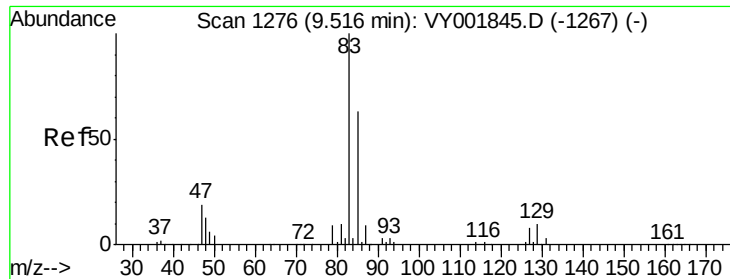
MMDadoda
 3/5/2020 1:37:21 PM



#46
 Dibromomethane
 Concen: 21.545 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.3	67.0	100.4
174	85.8	71.8	107.8





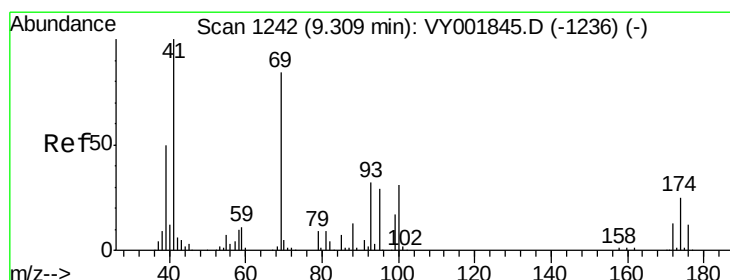
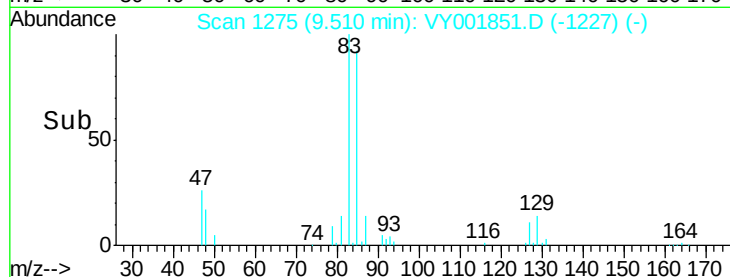
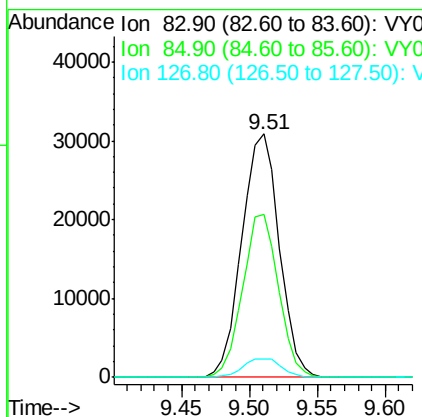
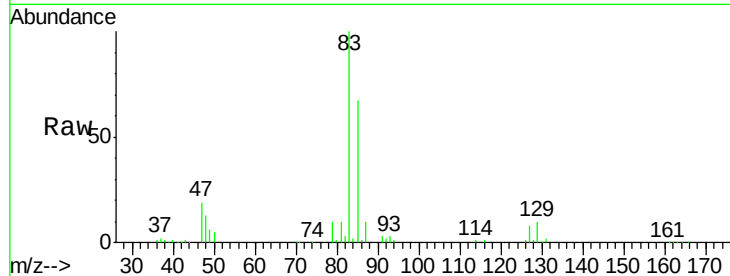
#47
Bromodichloromethane
Concen: 21.068 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	59591		
85	66.7	50.6	76.0	
127	7.5	6.2	9.4	

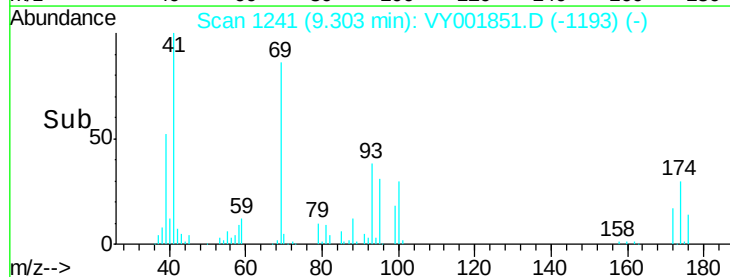
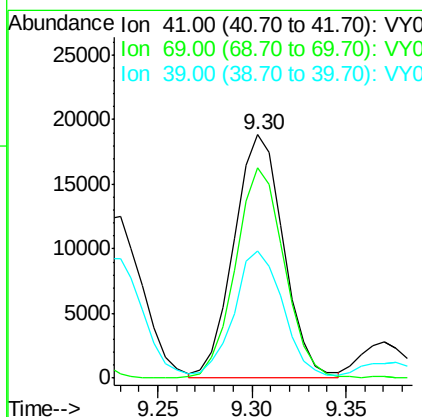
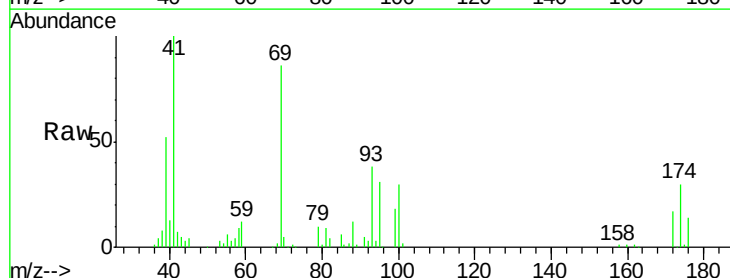
Manual Integrations
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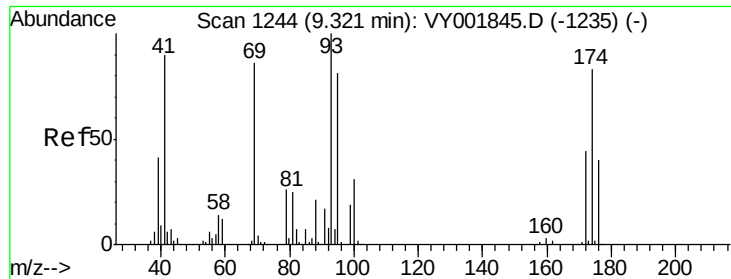
MMDadoda
3/5/2020 1:37:21 PM



#48
Methyl methacrylate
Concen: 22.282 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34454		
69	84.8	69.0	103.6	
39	52.0	39.1	58.7	





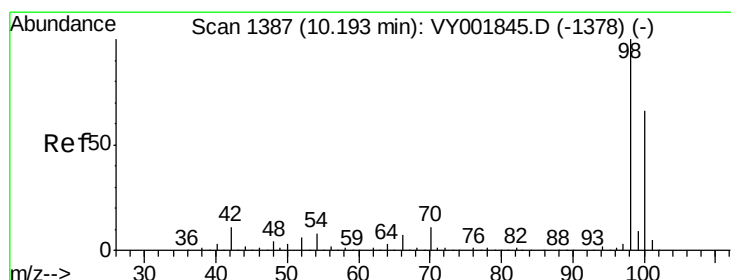
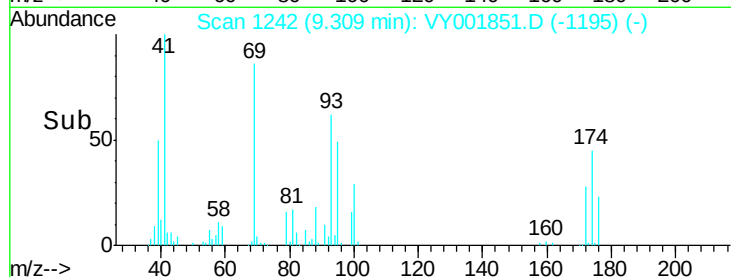
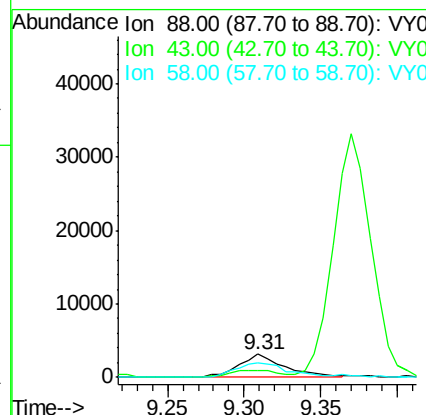
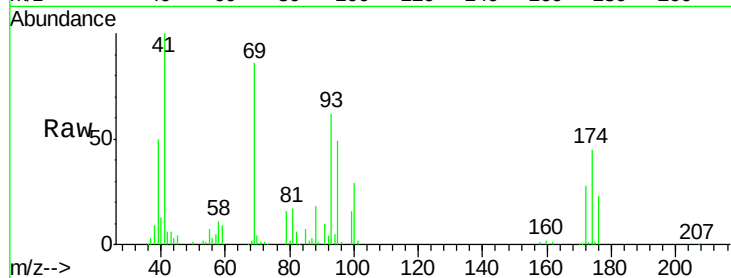
#49
1,4-Dioxane
Concen: 395.460 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion	88	Resp	6589
Ion	Ratio	Lower	Upper
88	100		
43	34.0	25.0	37.6
58	70.6	58.9	88.3

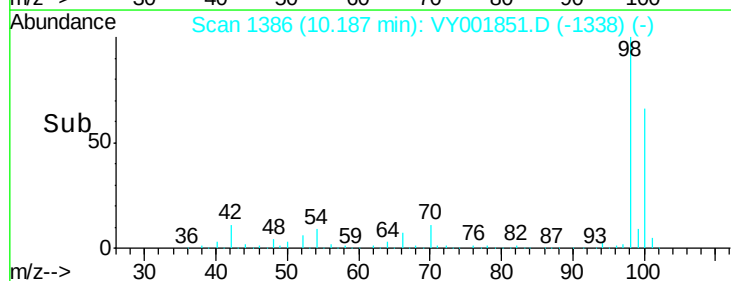
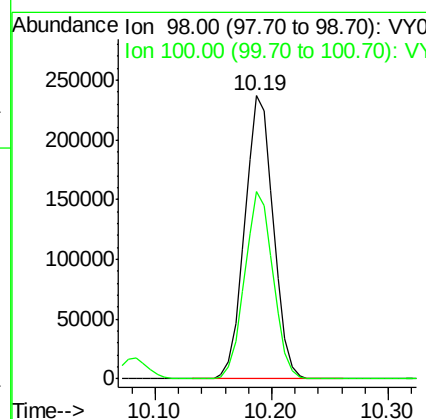
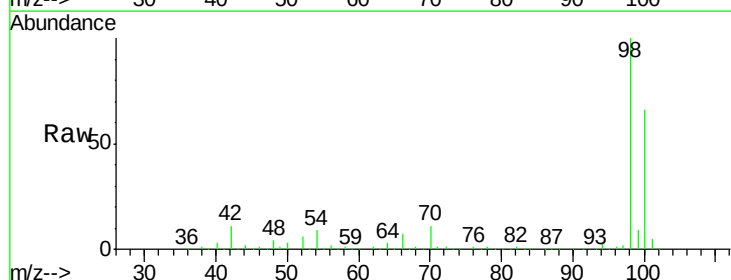
Manual Integrations
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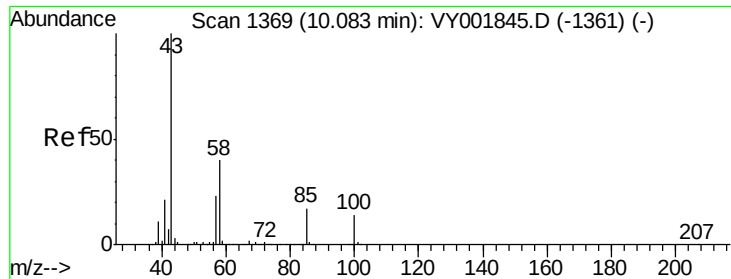
MMDadoda
3/5/2020 1:37:21 PM



#50
Toluene-d8
Concen: 53.416 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	98	Resp	404760
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4





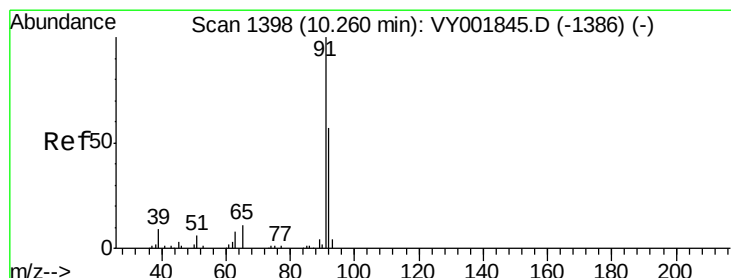
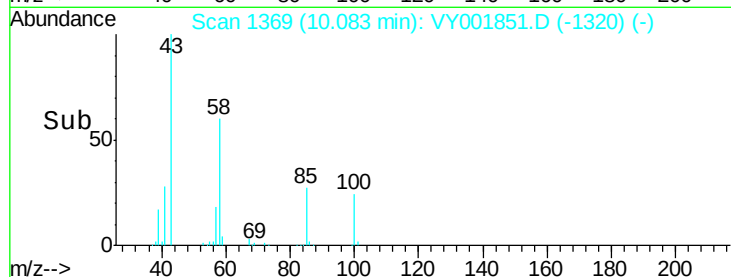
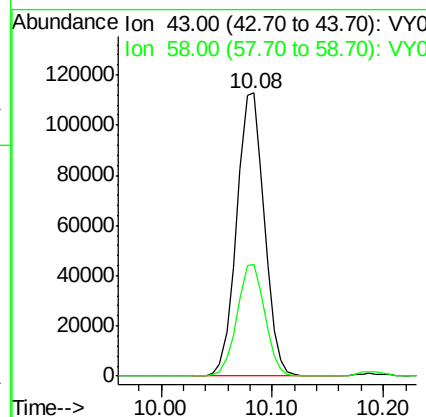
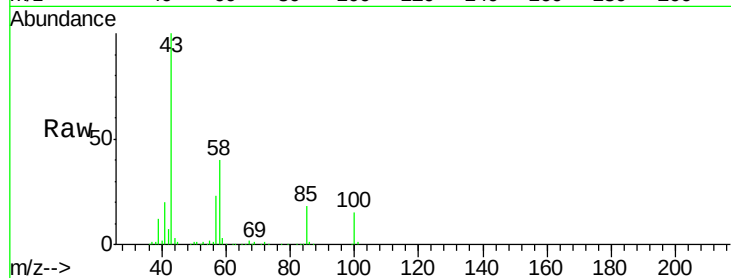
#51
4-Methyl-2-Pentanone
Concen: 108.321 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion	43	Resp	194423
Ion Ratio	43	100	
Lower	58	39.7	32.0
Upper			48.0

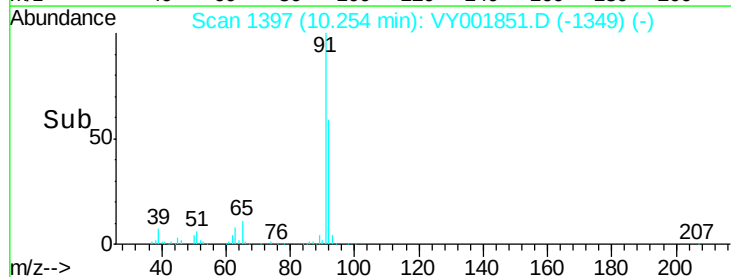
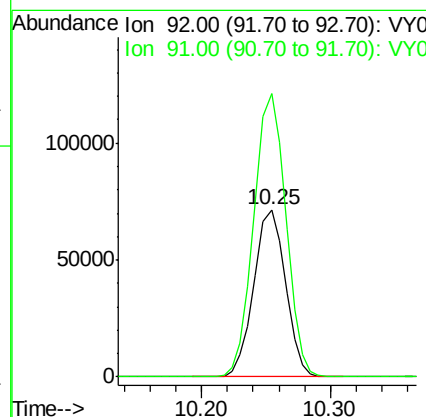
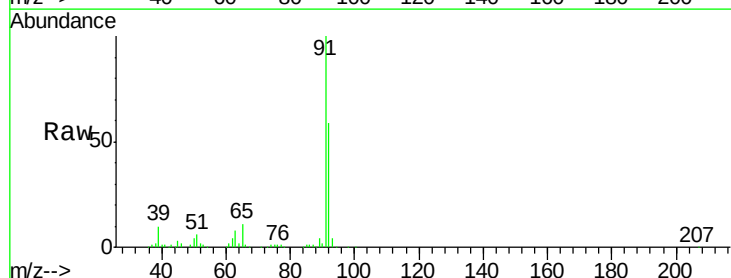
Manual Integrations
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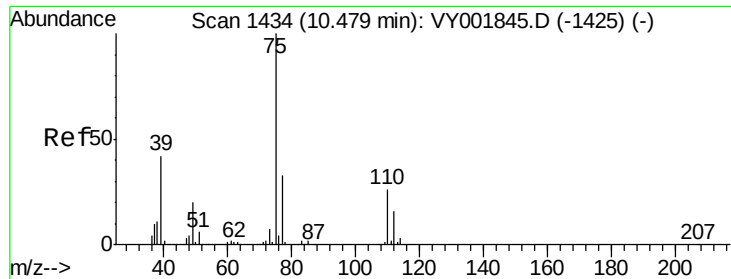
MMDadoda
3/5/2020 1:37:21 PM



#52
Toluene
Concen: 21.315 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	92	Resp	121542
Ion Ratio	92	100	
Lower	91	171.7	138.6
Upper			208.0





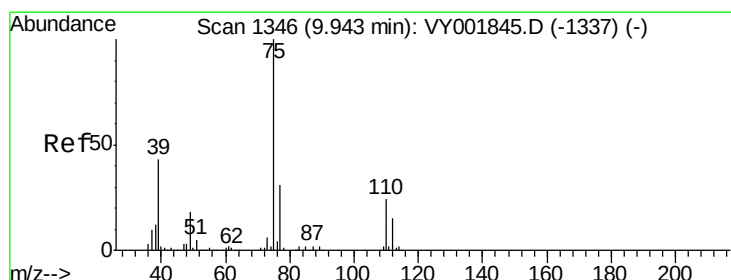
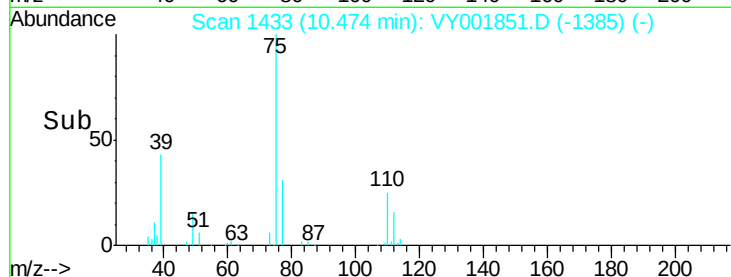
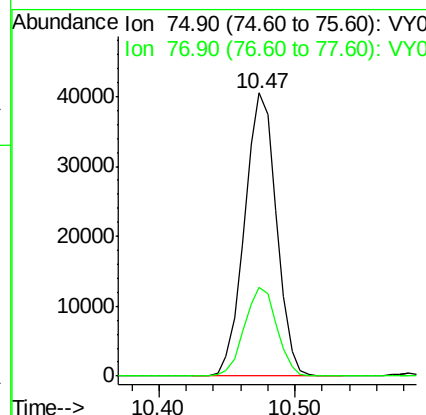
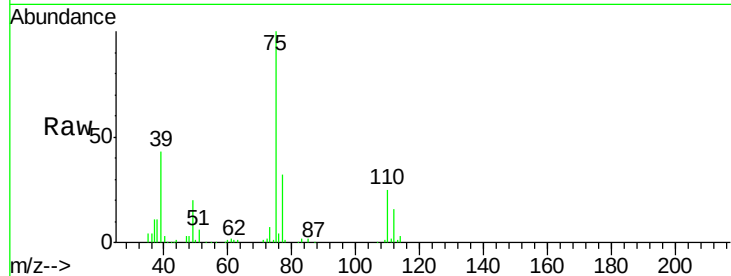
#53
 t-1,3-Dichloropropene
 Concen: 21.613 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.3	39.5

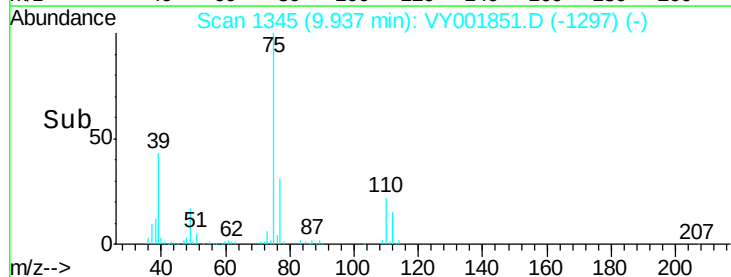
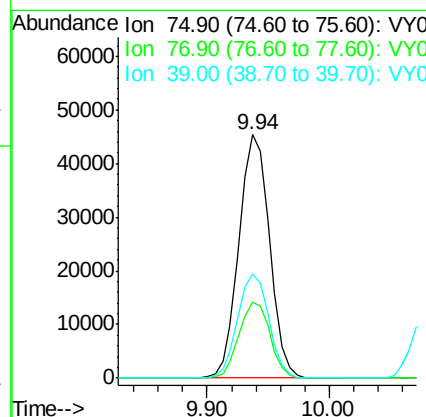
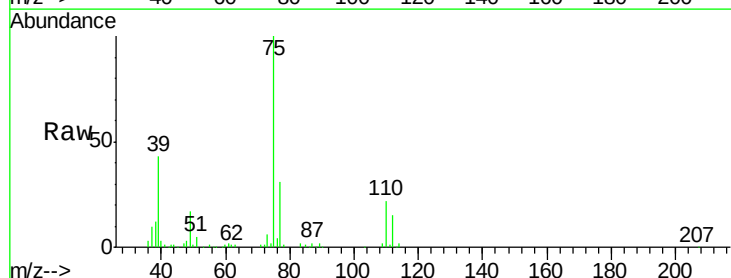
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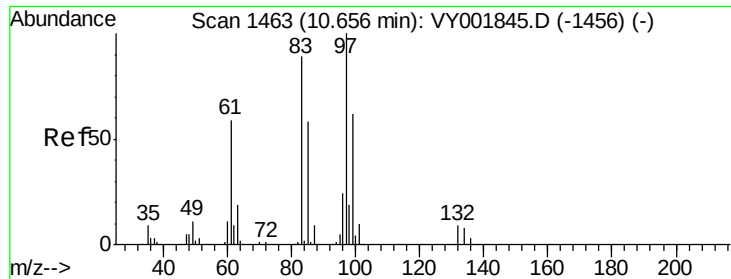
MMDadoda
 3/5/2020 1:37:21 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.436 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	42.9	34.7	52.1





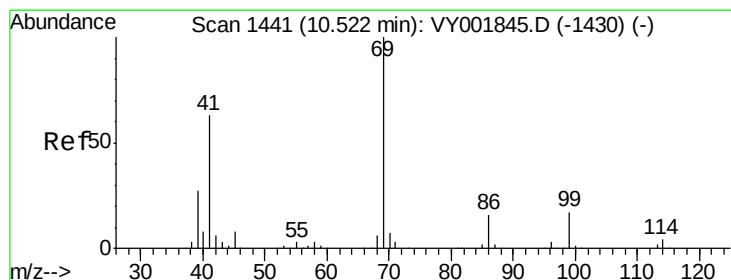
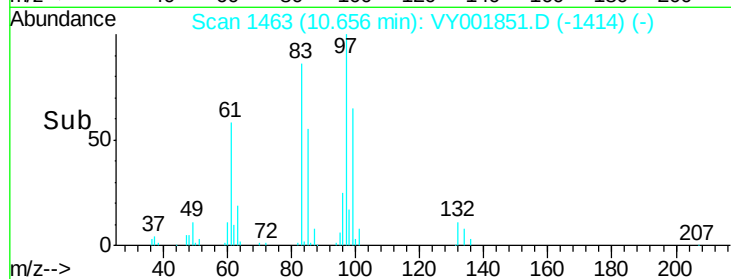
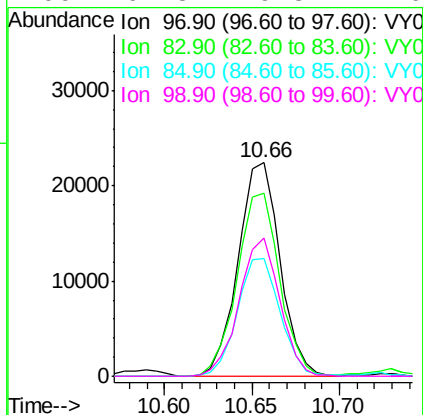
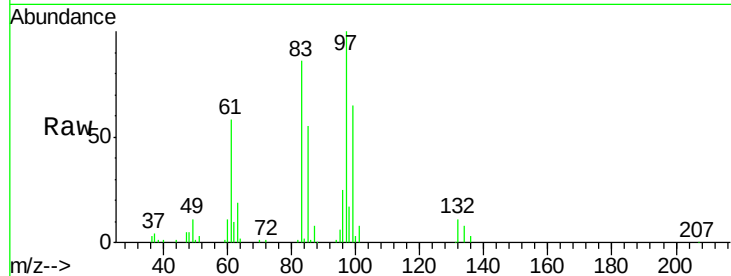
#55
 1,1,2-Trichloroethane
 Concen: 21.089 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.6	107.4
85	55.1	46.6	69.8
99	64.8	49.8	74.6

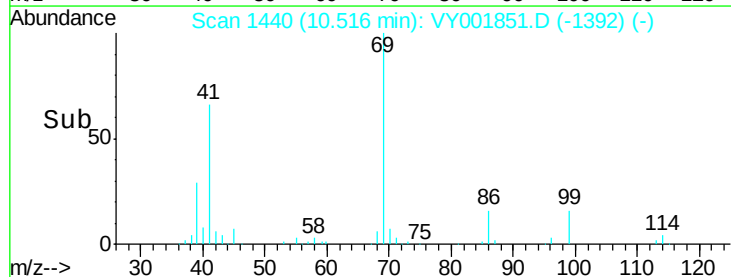
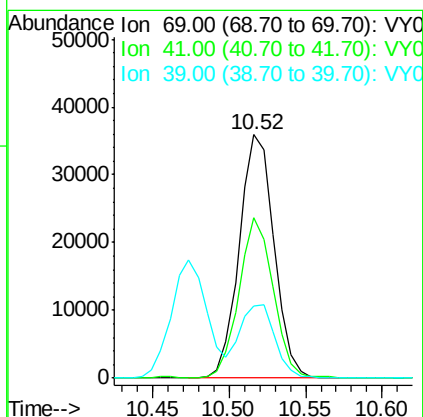
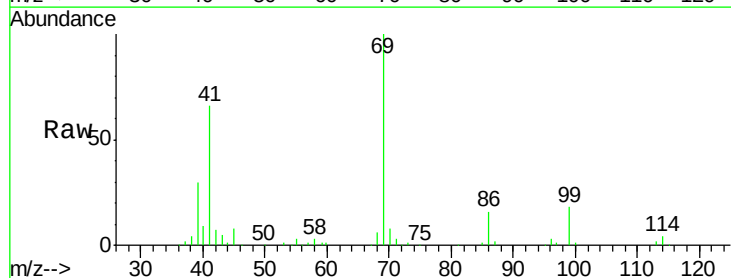
Manual Integrations
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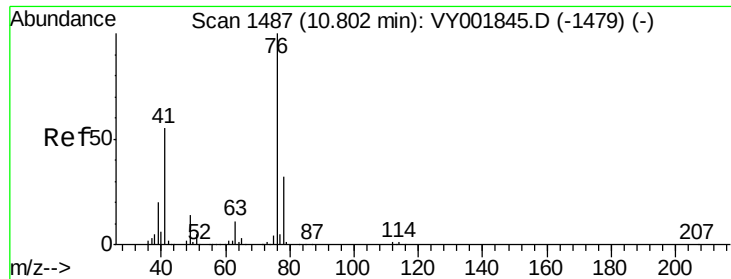
MMDadoda
 3/5/2020 1:37:21 PM



#56
 Ethyl methacrylate
 Concen: 21.723 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	49.9	74.9
39	30.7	23.0	34.6





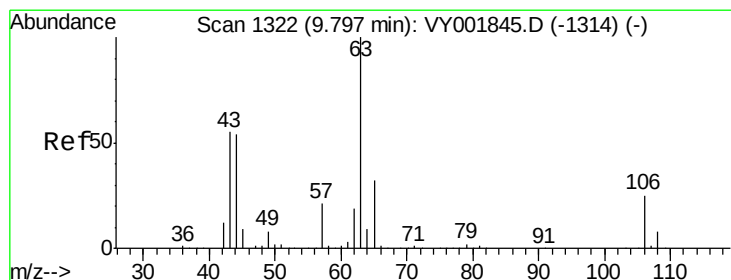
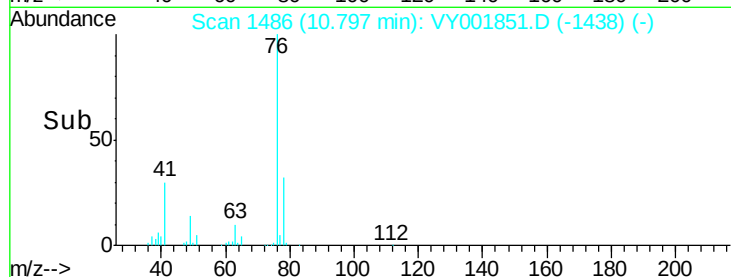
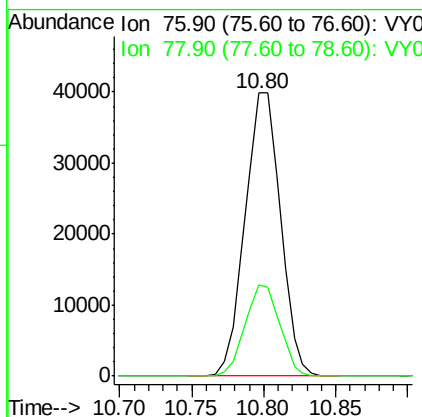
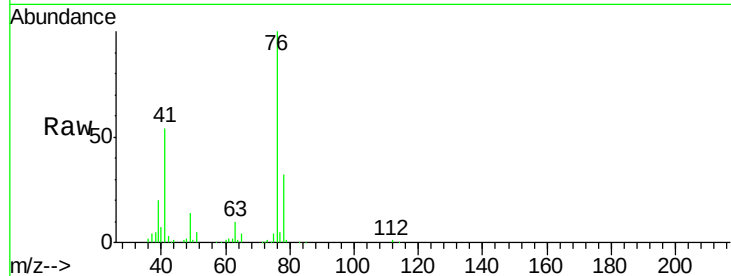
#57
 1,3-Dichloropropane
 Concen: 21.441 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

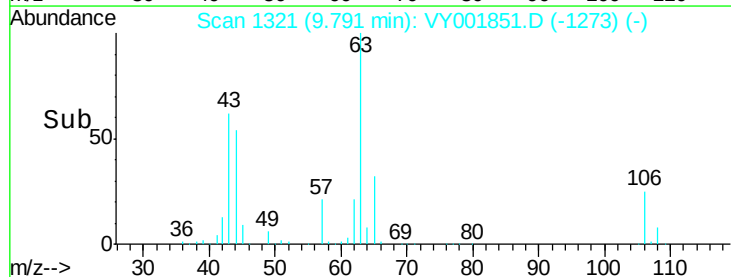
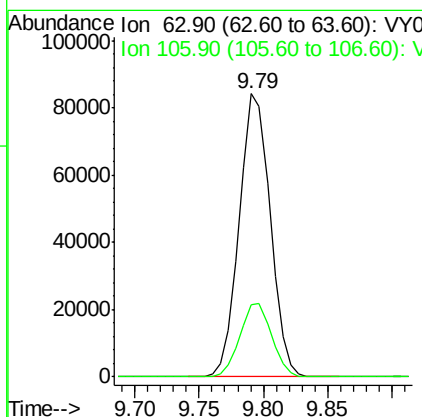
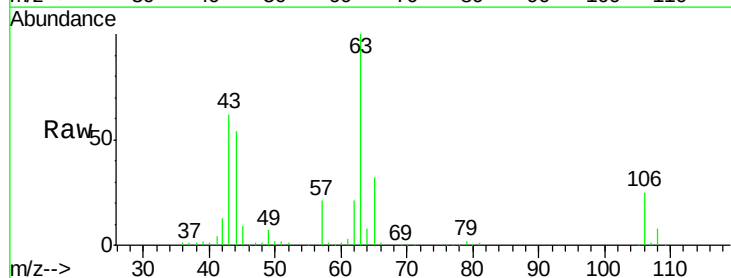
Manual Integrations
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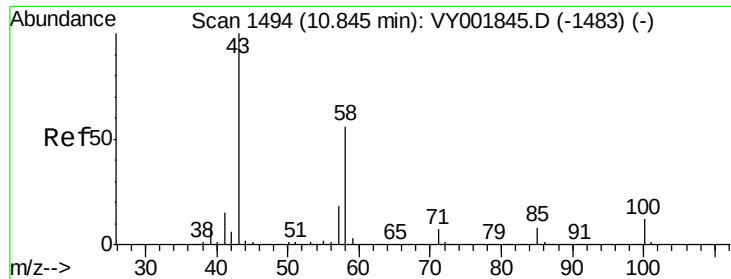
MMDadoda
 3/5/2020 1:37:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.378 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.3	31.9





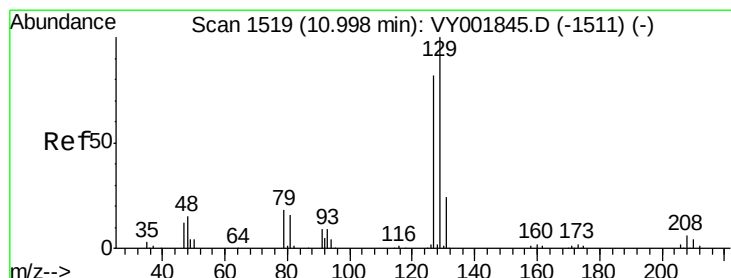
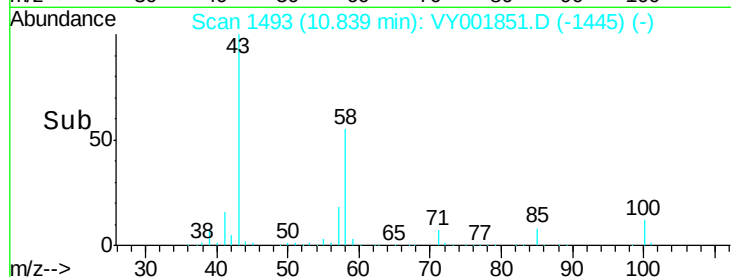
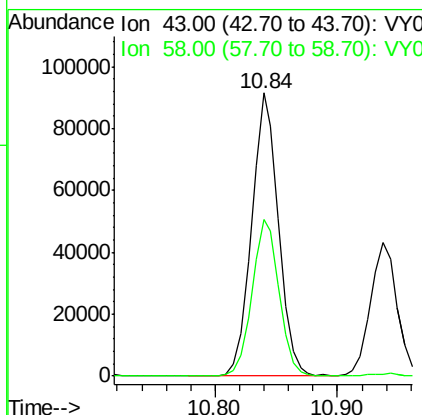
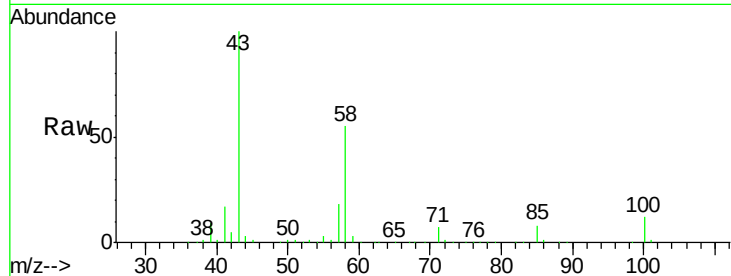
#59
2-Hexanone
Concen: 109.175 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion: 43 Resp: 139864
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3

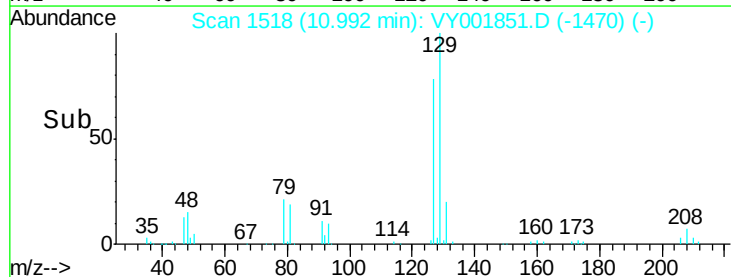
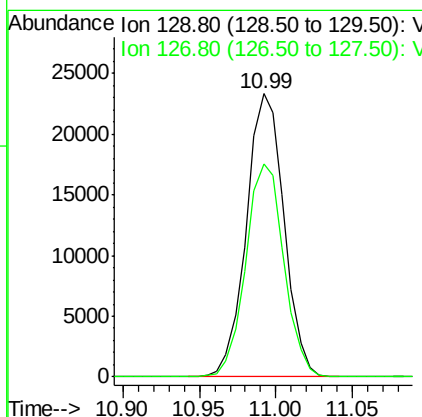
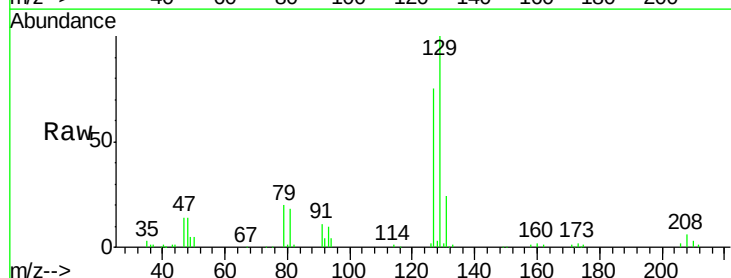
Manual Integrations
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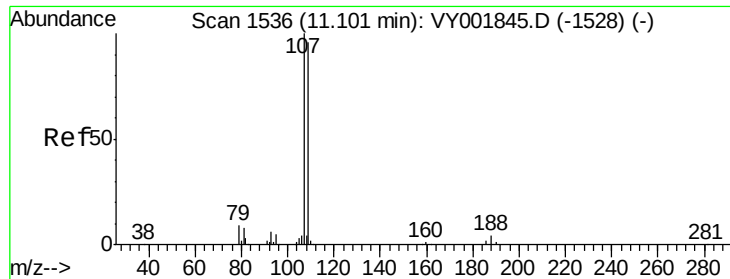
MMDadoda
3/5/2020 1:37:21 PM



#60
Dibromochloromethane
Concen: 21.268 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 129 Resp: 39880
Ion Ratio Lower Upper
129 100
127 76.1 39.0 117.0





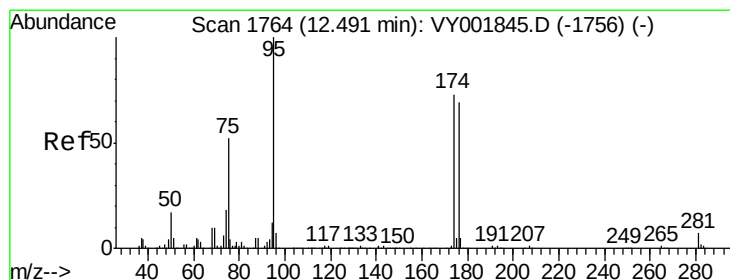
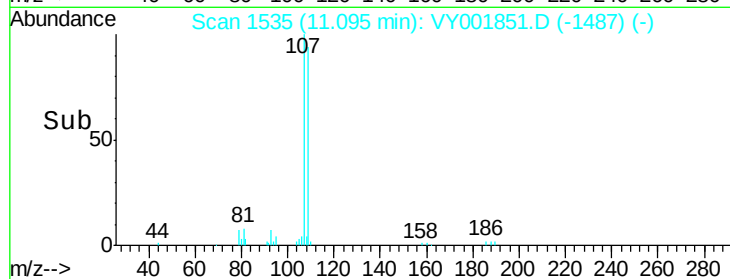
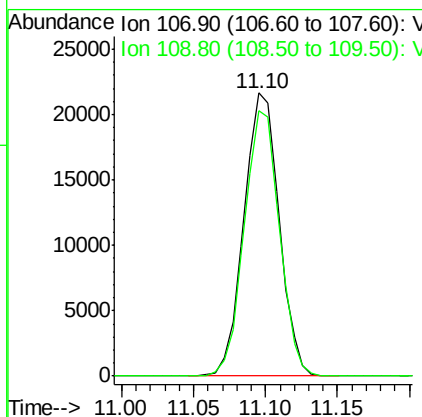
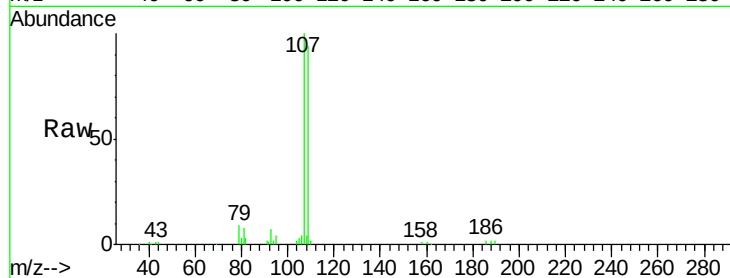
#61
 1,2-Dibromoethane
 Concen: 21.684 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.0

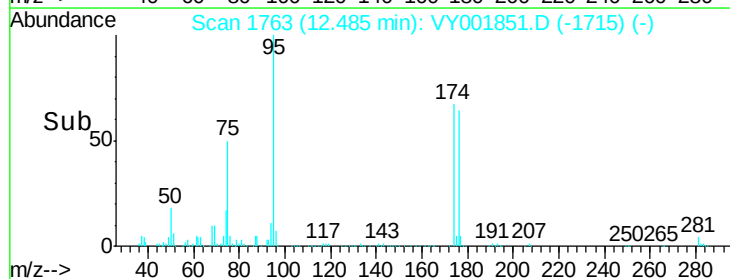
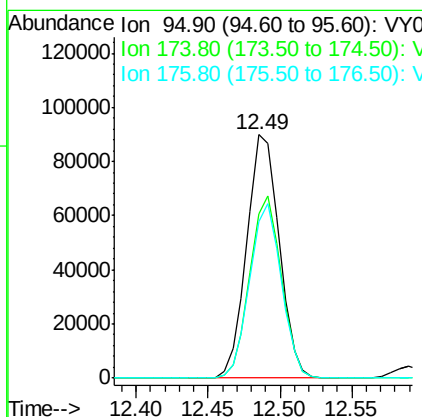
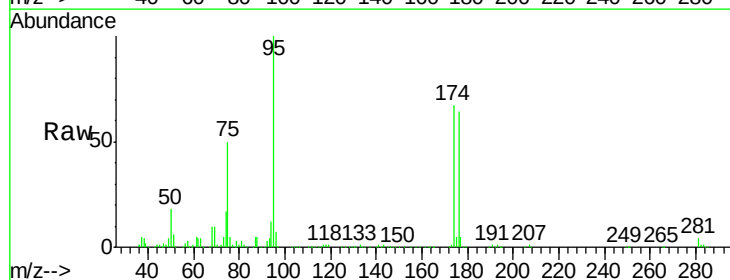
Manual Integrations
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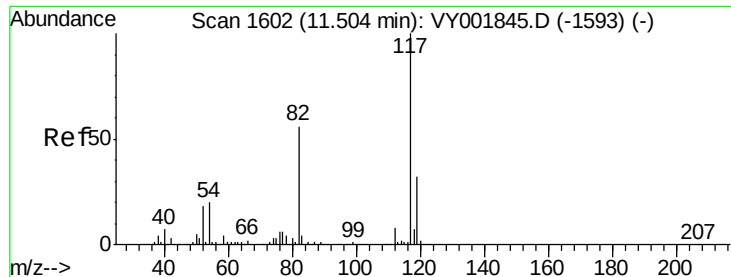
MMDadoda
 3/5/2020 1:37:21 PM



#62
 4-Bromofluorobenzene
 Concen: 53.166 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	145.0
176	69.8	0.0	137.4





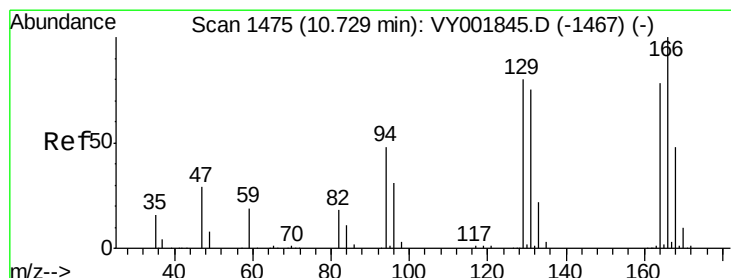
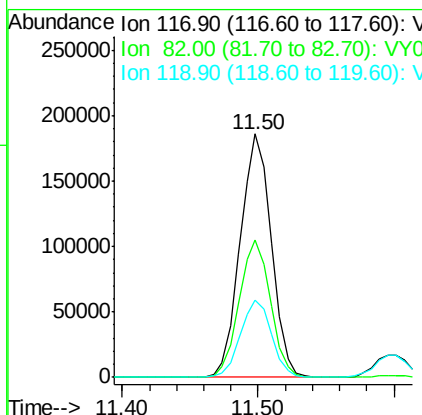
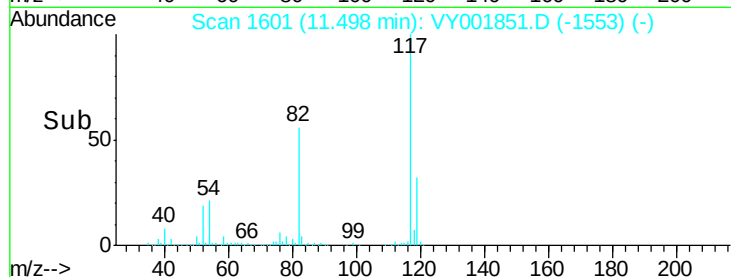
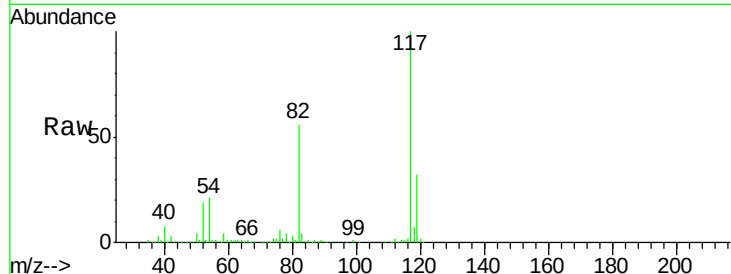
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297213		
82	56.5		44.5	66.7
119	31.6		25.7	38.5

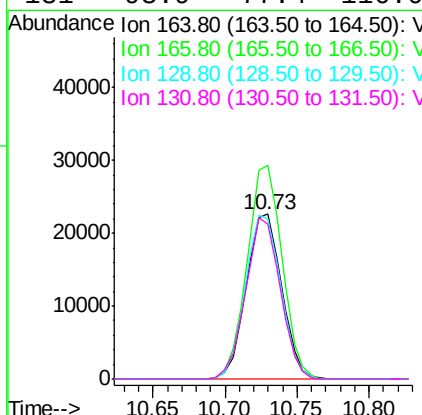
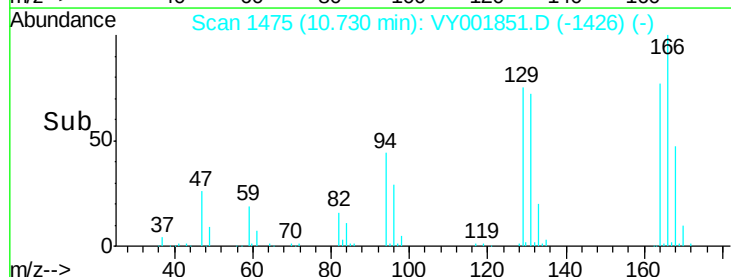
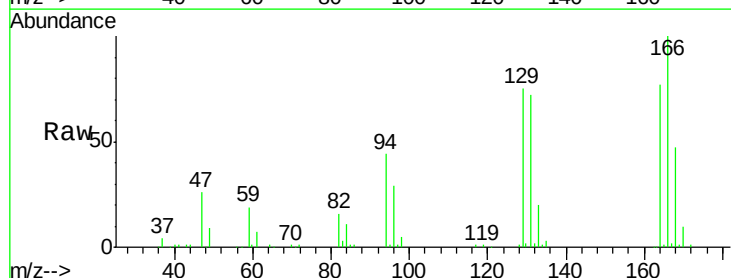
Manual Integrations
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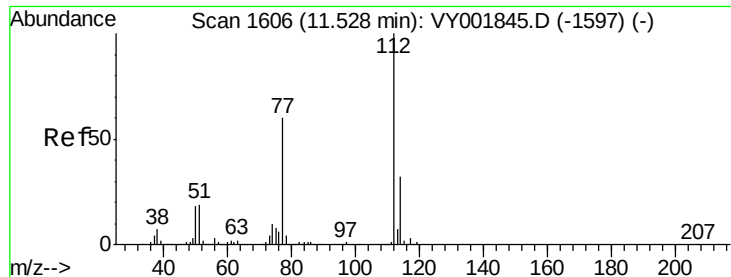
MMDadoda
3/5/2020 1:37:21 PM



#64
Tetrachloroethene
Concen: 20.589 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38376		
166	129.7		102.6	154.0
129	97.3		82.3	123.5
131	93.9		77.4	116.0





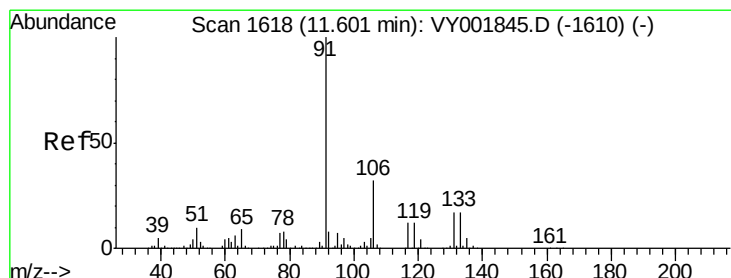
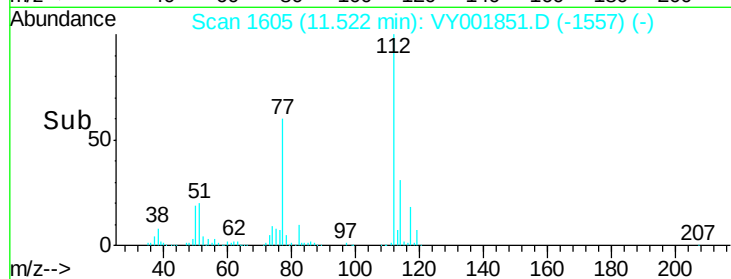
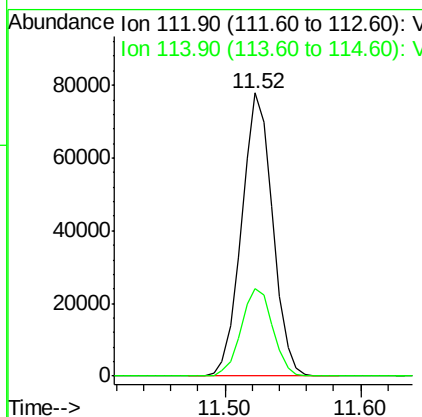
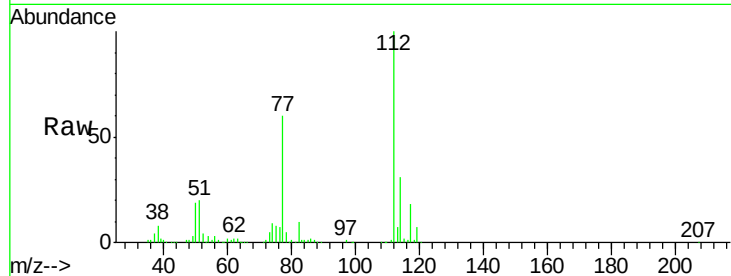
#65
Chlorobenzene
Concen: 20.895 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.9	38.9

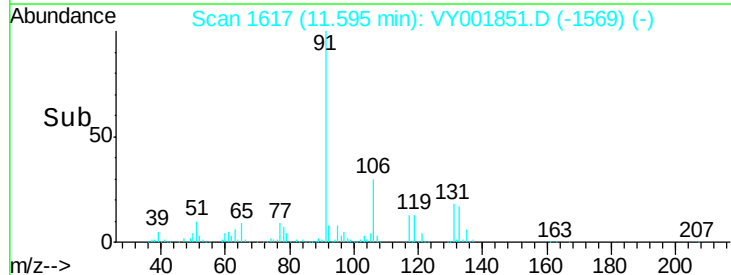
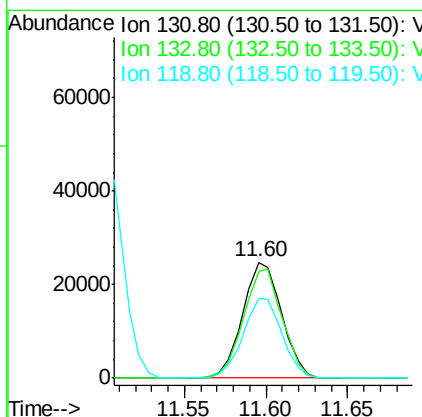
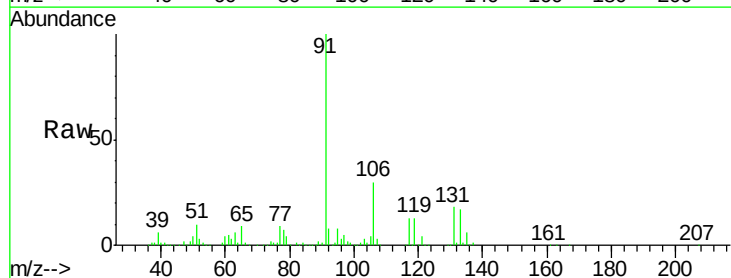
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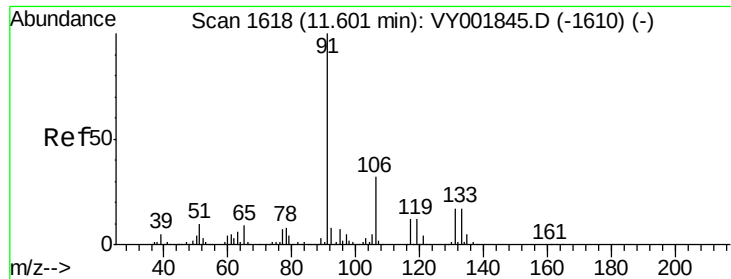
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.210 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.1	141.3
119	69.0	34.5	103.6





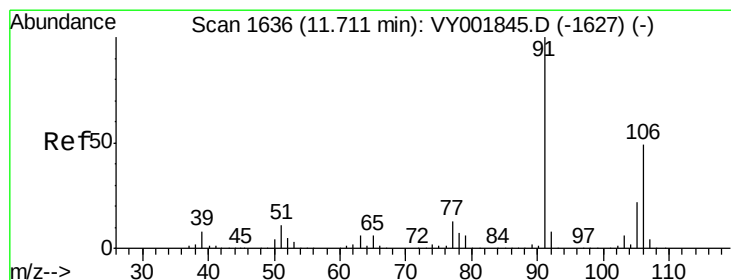
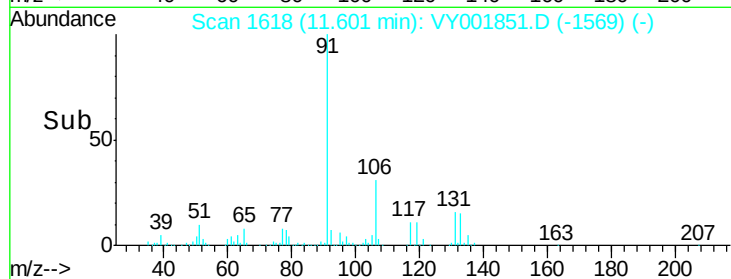
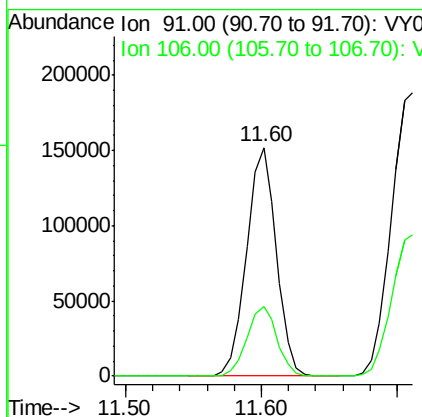
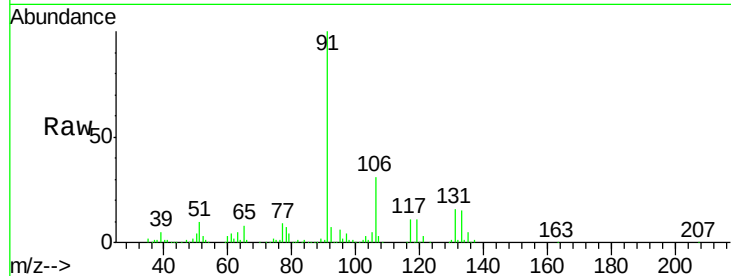
#67
Ethyl Benzene
Concen: 21.017 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion: 91 Resp: 232126
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

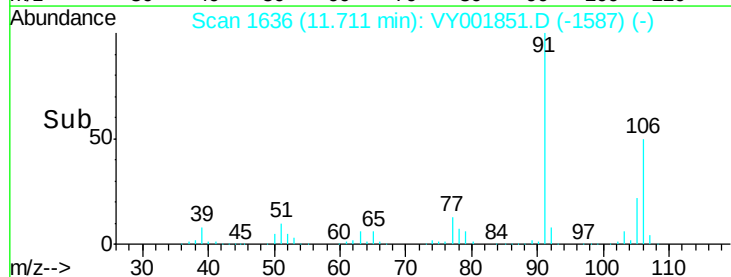
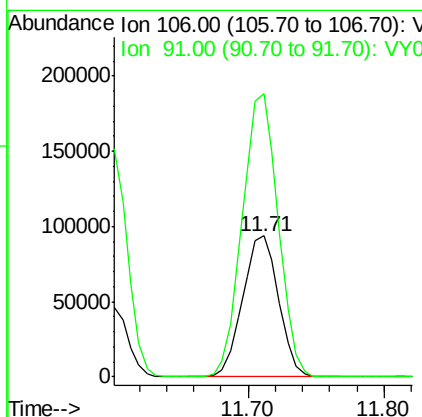
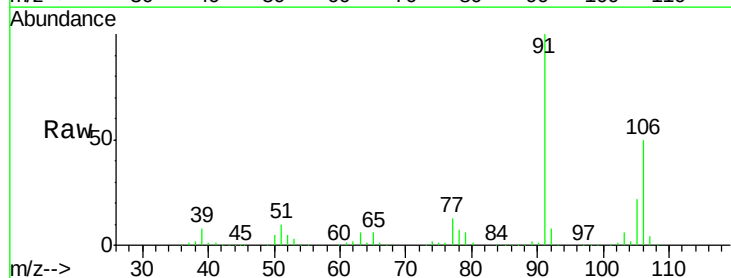
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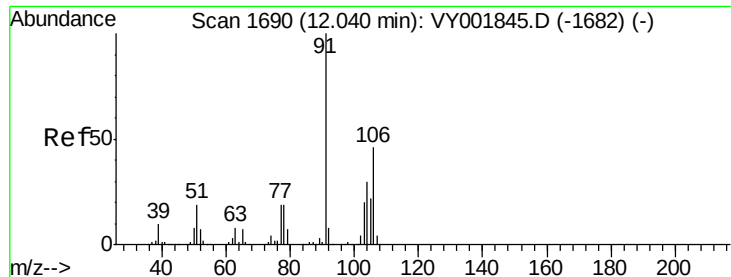
MMDadoda
3/5/2020 1:37:21 PM



#68
m/p-Xylenes
Concen: 42.225 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion: 106 Resp: 172419
Ion Ratio Lower Upper
106 100
91 201.8 161.3 241.9





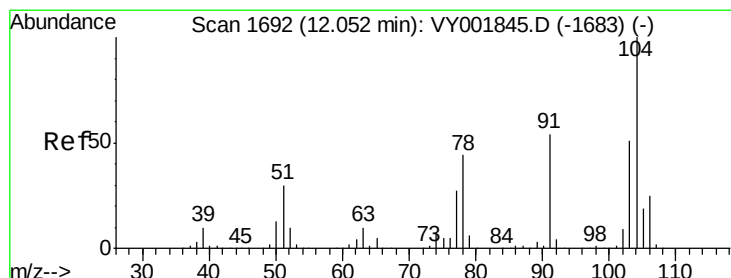
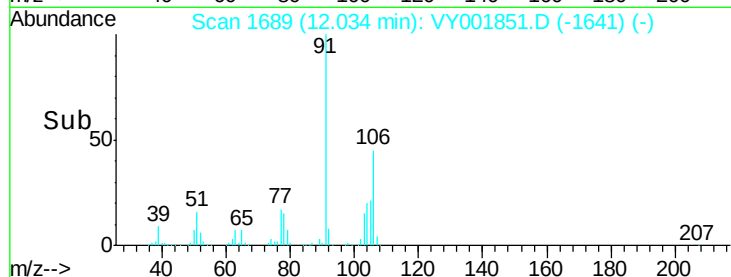
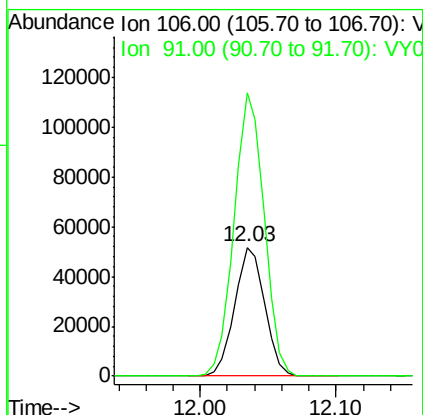
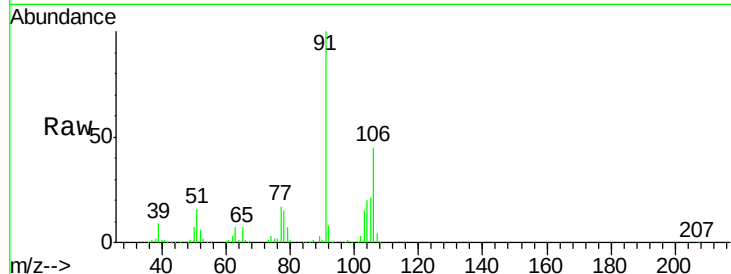
#69
o-Xylene
Concen: 20.715 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.8	106.8	320.4	

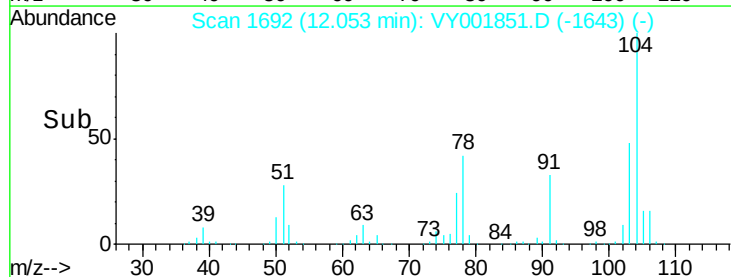
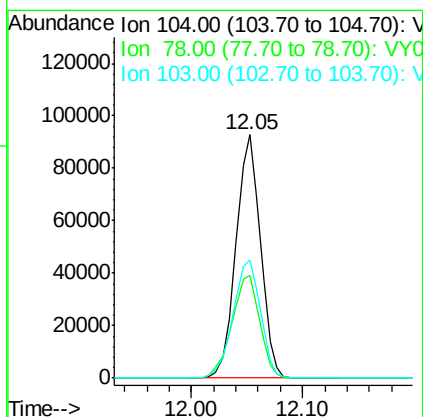
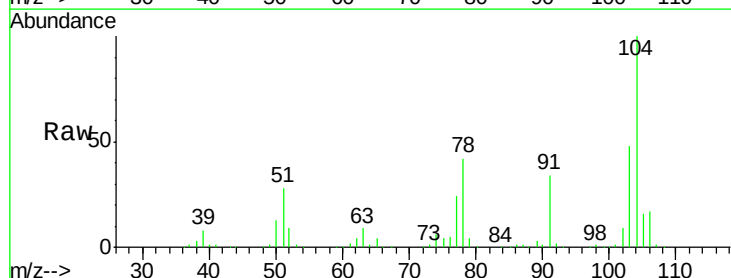
Manual Integrations
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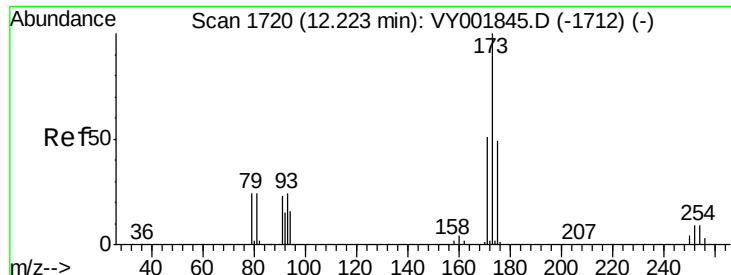
MMDadoda
3/5/2020 1:37:21 PM



#70
Styrene
Concen: 21.385 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.0	38.5	57.7	
103	54.1	42.9	64.3	





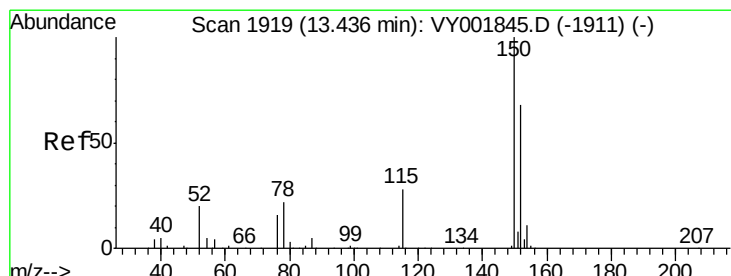
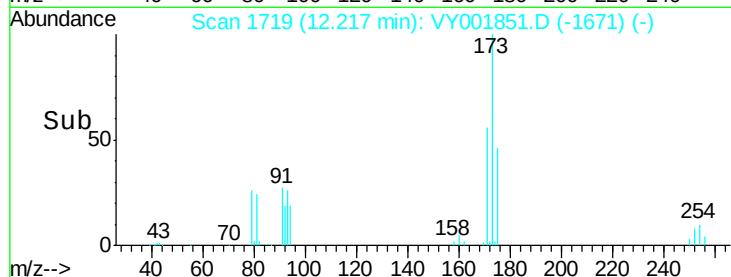
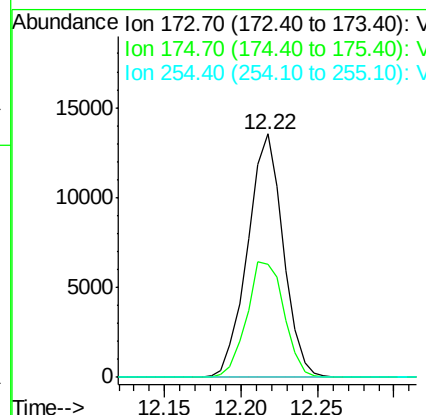
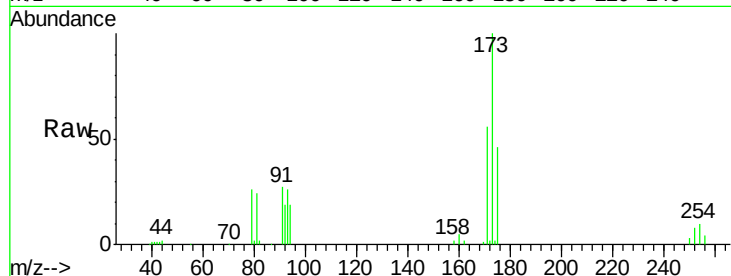
#71
Bromoform
Concen: 20.754 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.0	0.0	0.0

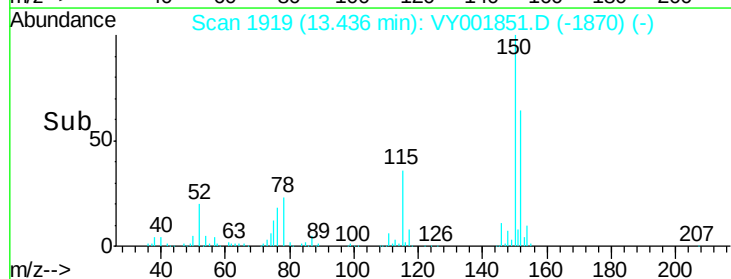
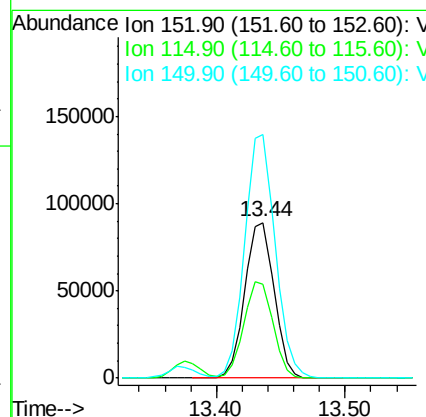
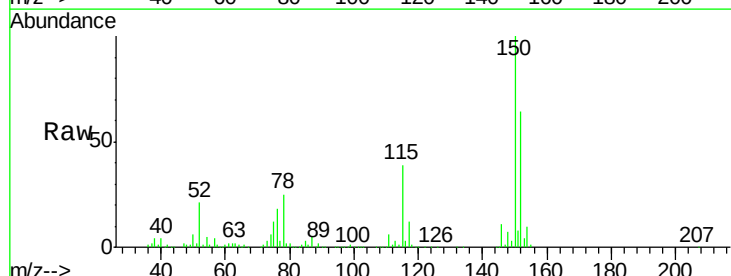
Manual Integrations
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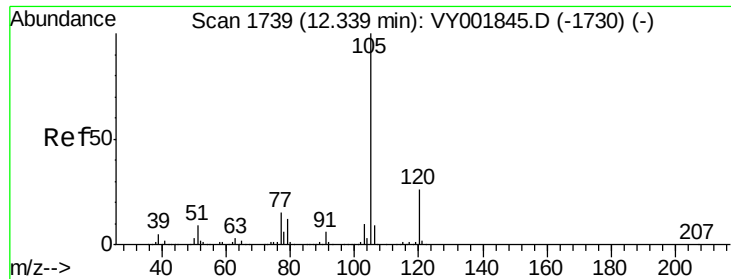
MMDadoda
3/5/2020 1:37:21 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	29.9	89.7
150	163.0	0.0	340.6





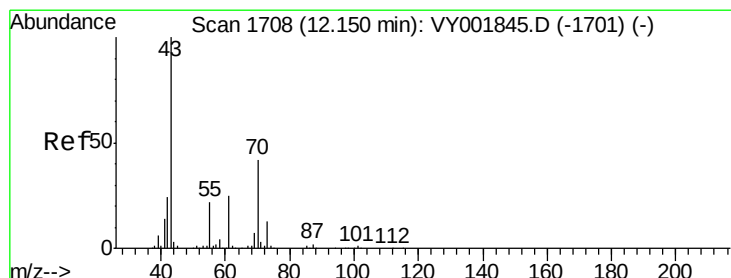
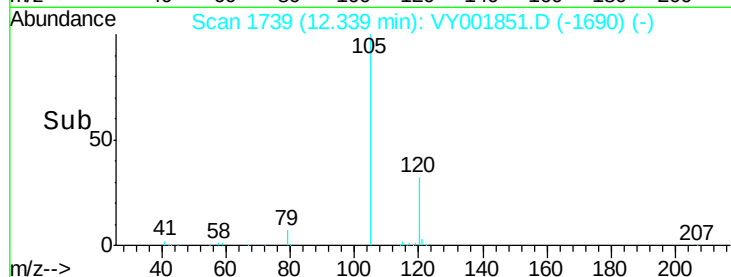
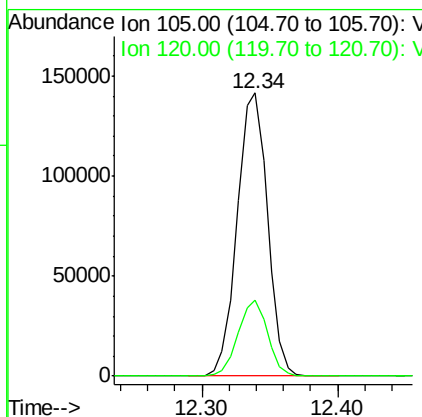
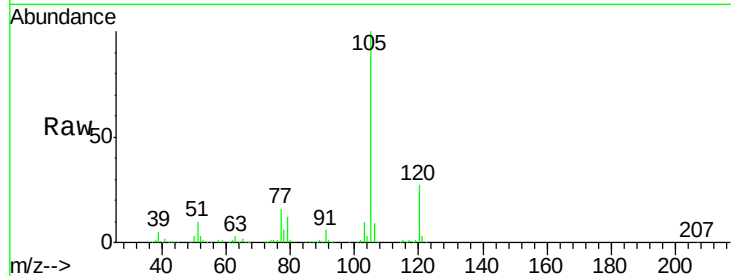
#73
Isopropylbenzene
Concen: 20.644 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

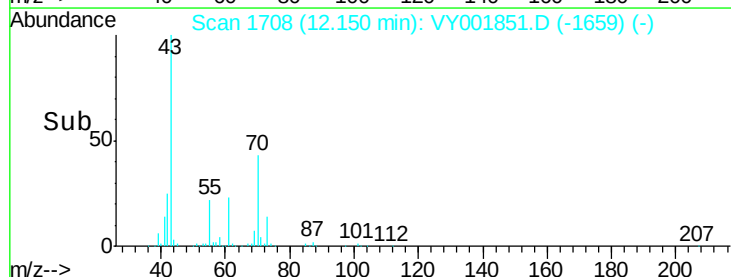
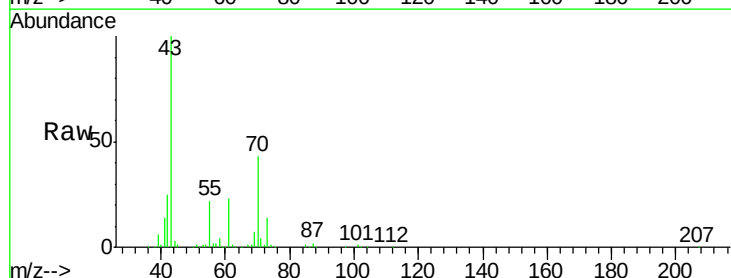
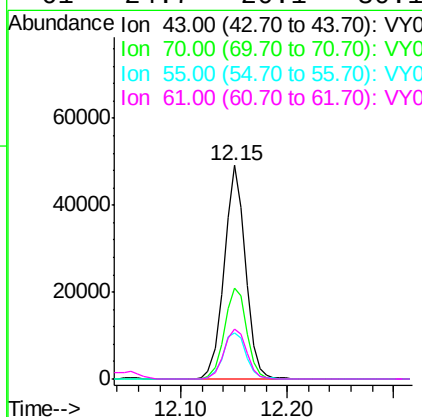
Manual Integrations
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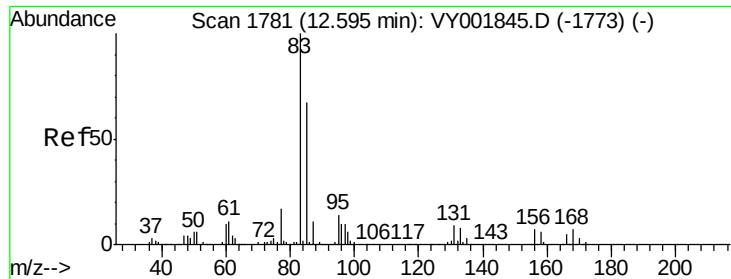
MMDadoda
3/5/2020 1:37:21 PM



#74
N-ethyl acetate
Concen: 20.994 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.7	52.1
55	23.2	18.2	27.4
61	24.7	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.896 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

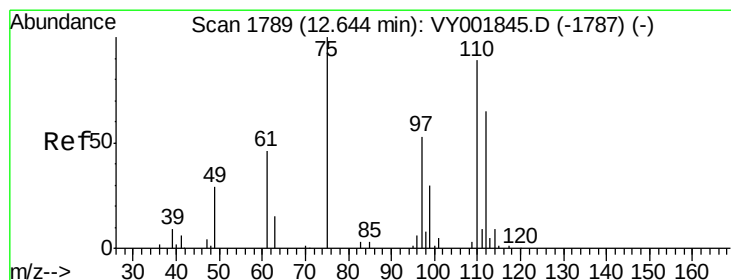
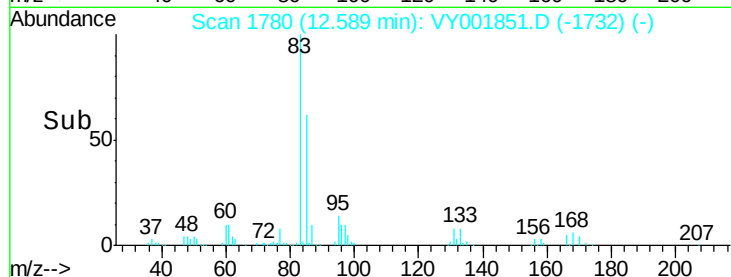
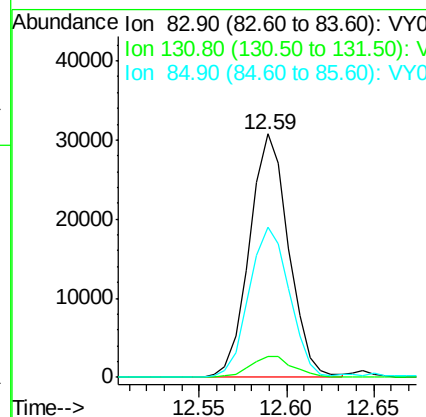
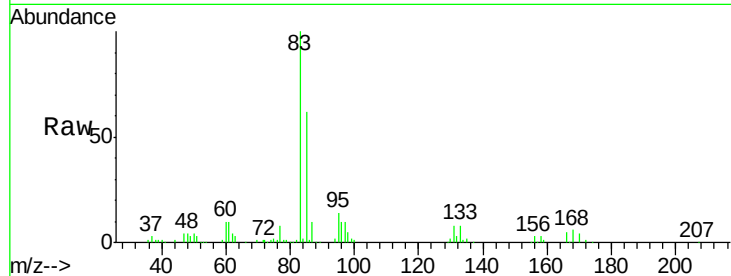
ClientSampleId :

VY0304SBS01

Tot Ion:	83	Resp:	48036
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.0	32.1	96.3

Manual Integrations
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3/5/2020 1:37:21 PM



#76

1,2,3-Trichloropropane

Concen: 20.470 ug/l m

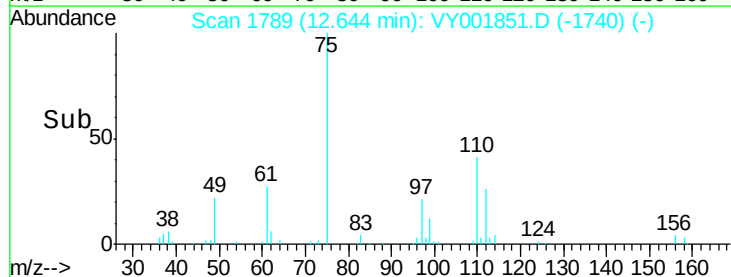
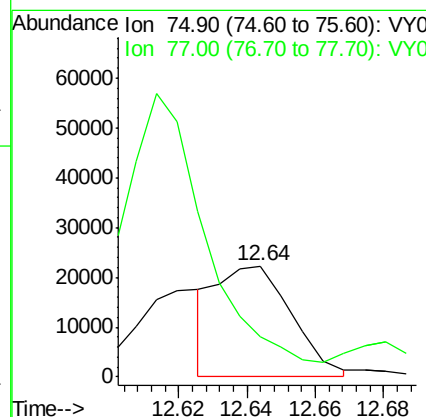
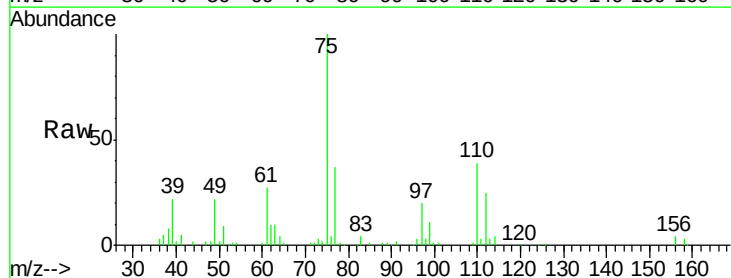
RT: 12.64 min Scan# 1789

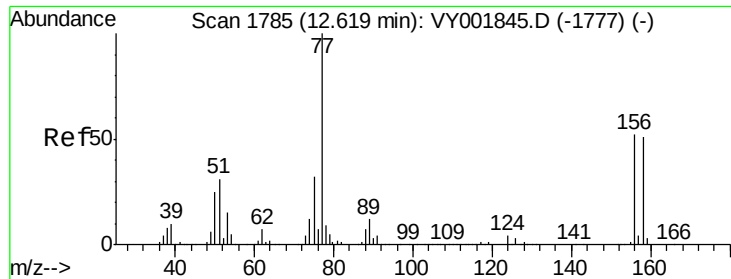
Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion:	75	Resp:	33917
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.590 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

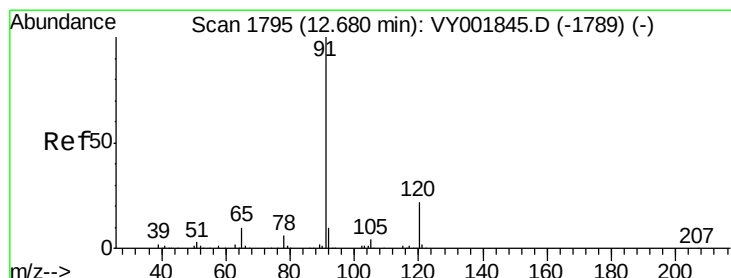
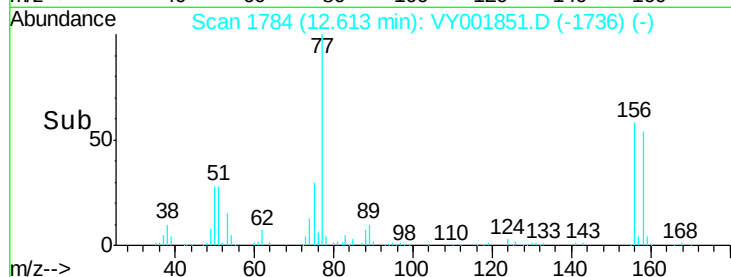
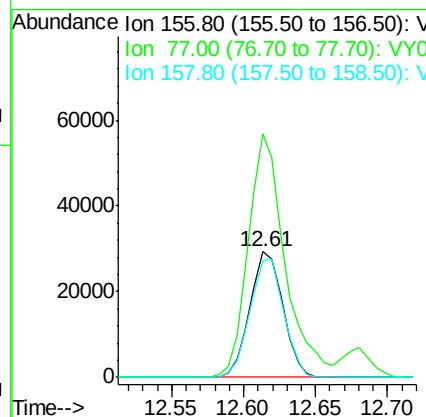
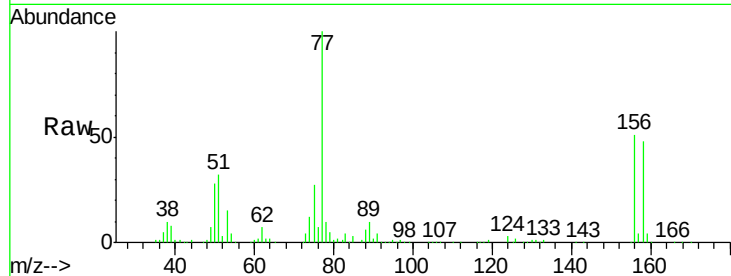
ClientSampleId :

VY0304SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.8	109.0	327.0	
158	96.5	48.9	146.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.893 ug/l

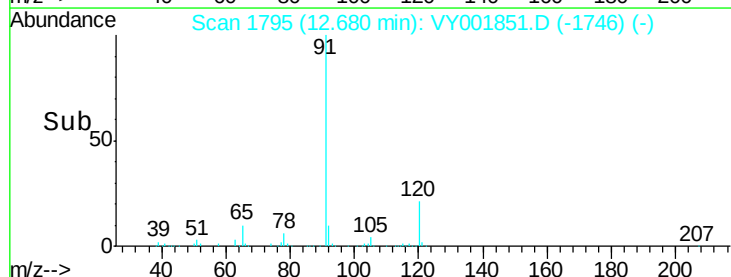
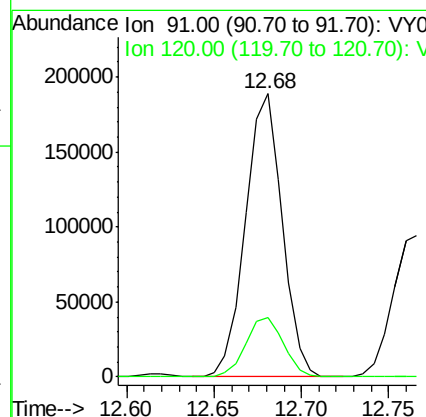
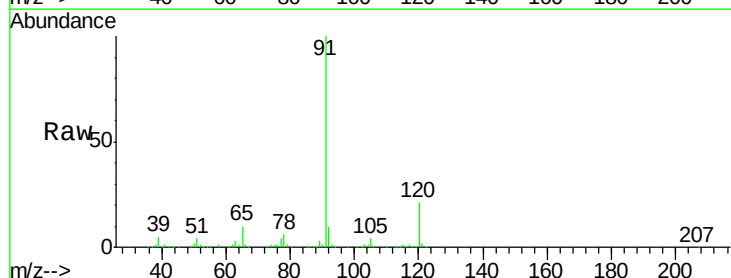
RT: 12.68 min Scan# 1795

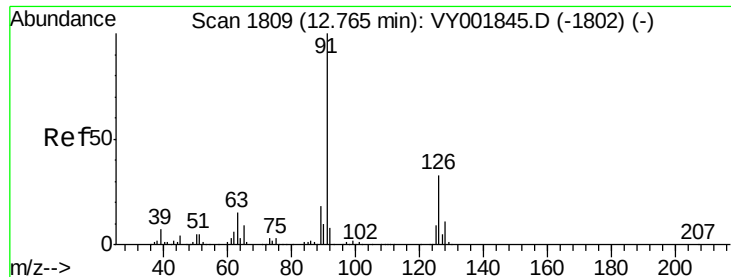
Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	11.0	33.0	





#79

2-Chlorotoluene

Concen: 20.450 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion: 91 Resp: 148582

Ion Ratio Lower Upper

91 100

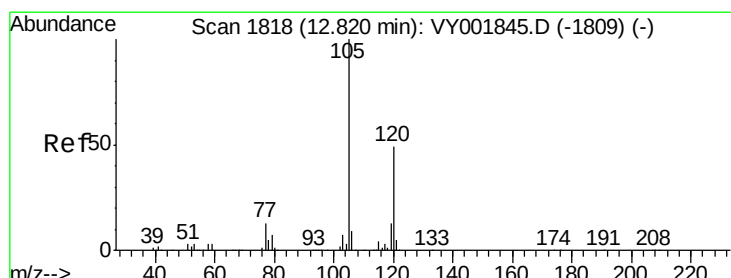
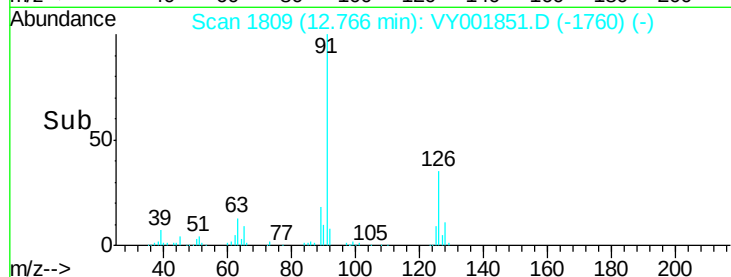
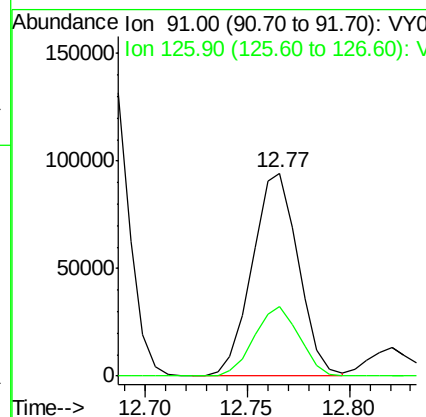
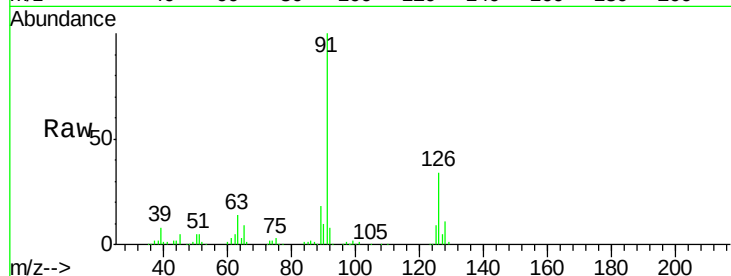
126 33.5 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.834 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001851.D

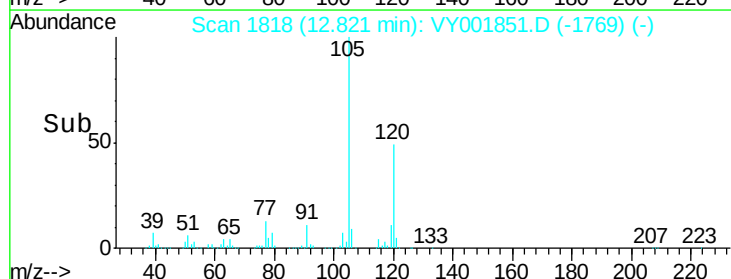
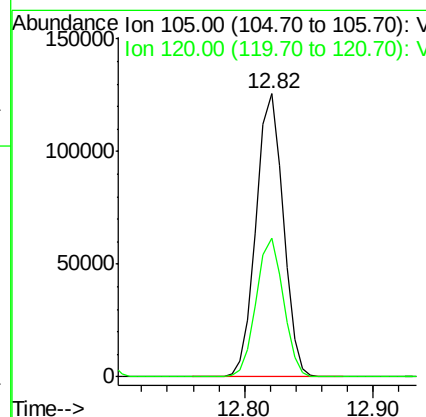
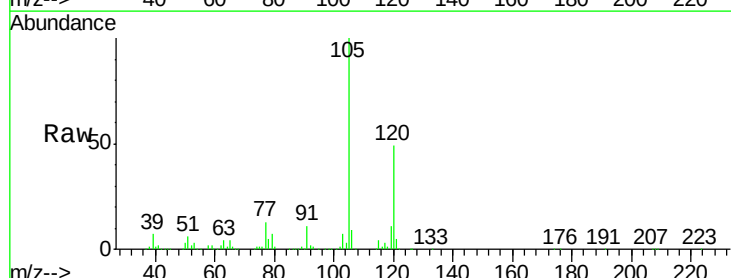
Acq: 04 Mar 2020 14:23

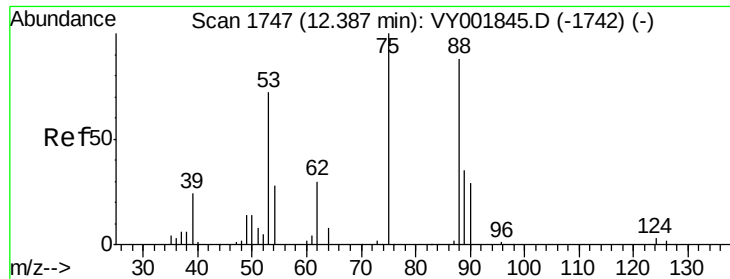
Tgt Ion: 105 Resp: 182829

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





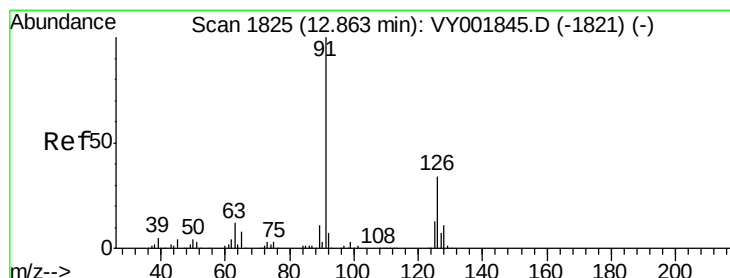
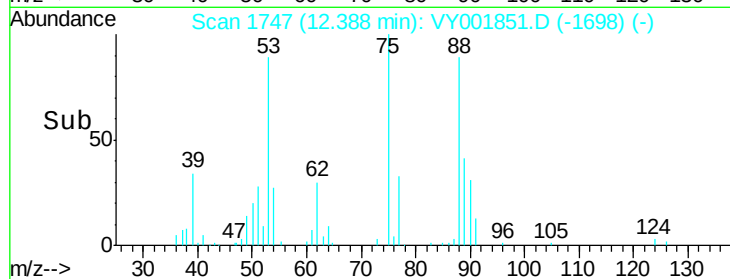
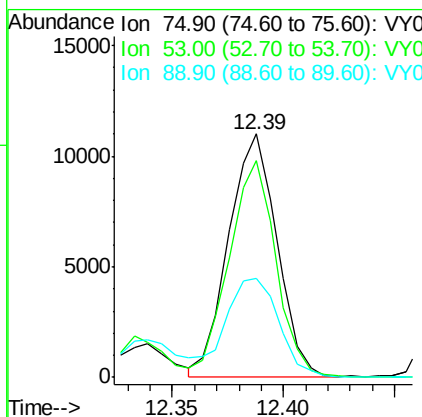
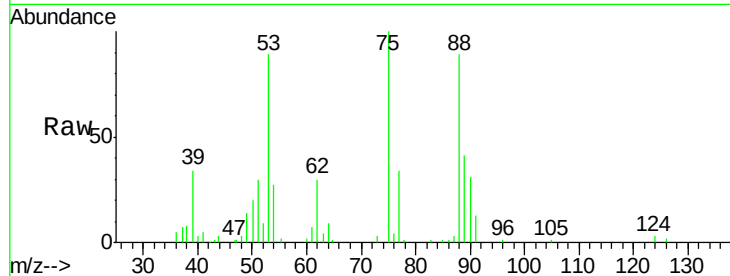
#81
trans-1,4-Dichloro-2-butene
Concen: 20.282 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	65.4	98.0
89	45.6	36.0	54.0

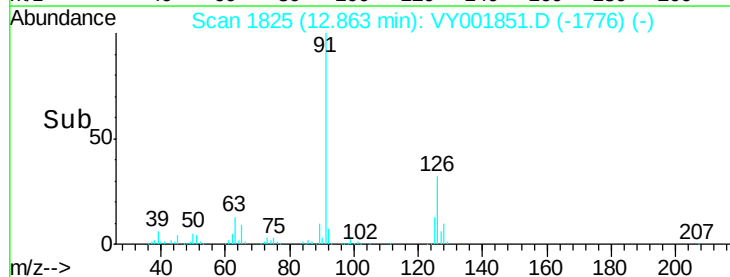
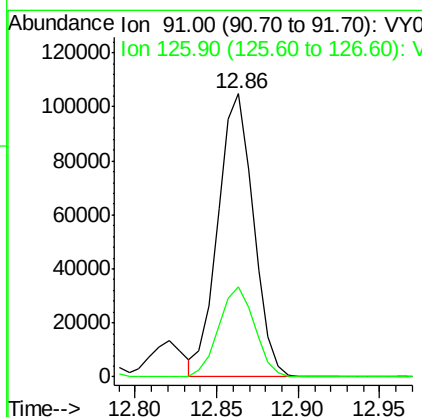
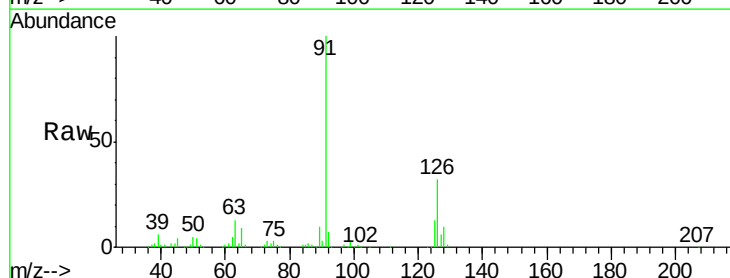
Manual Integrations
APPROVED

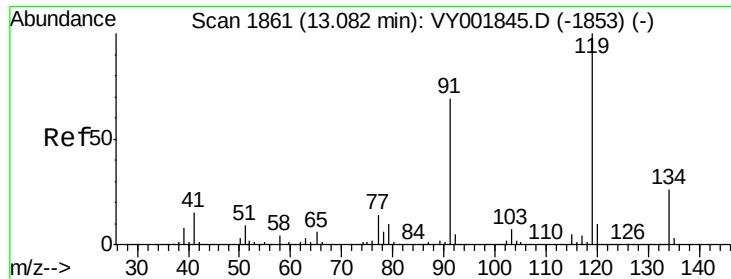
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.076 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.2





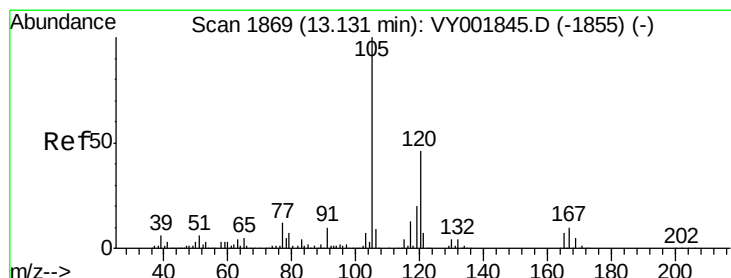
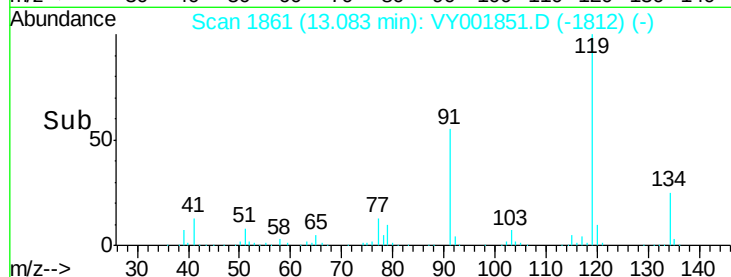
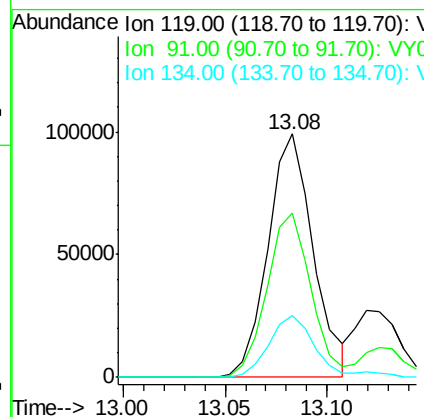
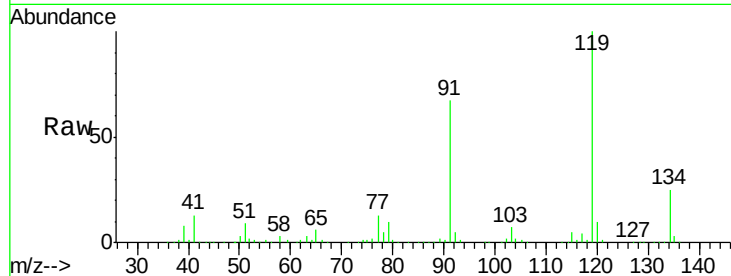
#83
 tert-Butylbenzene
 Concen: 21.004 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	34.0	101.8
134	26.5	13.5	40.4

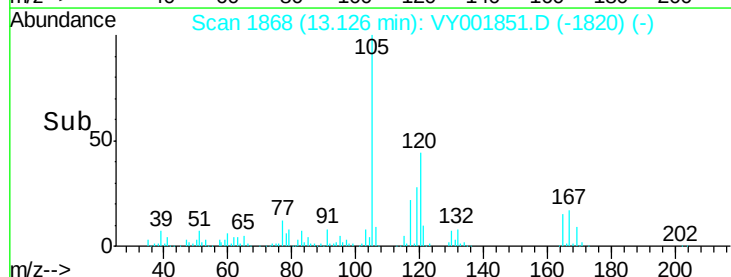
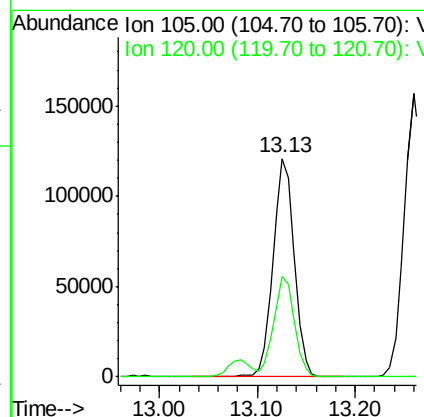
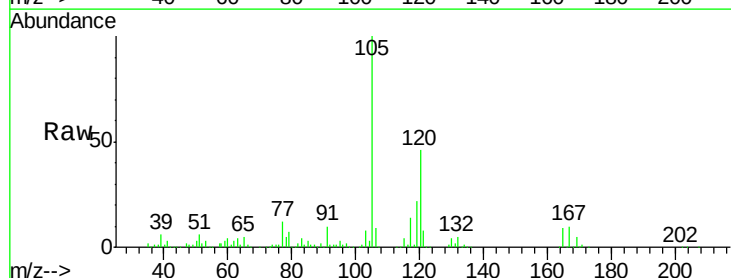
Manual Integrations
 APPROVED

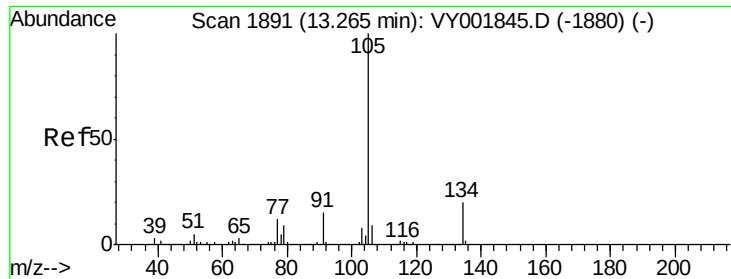
MMDadoda
 3/5/2020 1:37:21 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.168 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.214 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0304SBS01

Tot Ion:105 Resp: 227920

Ion Ratio Lower Upper

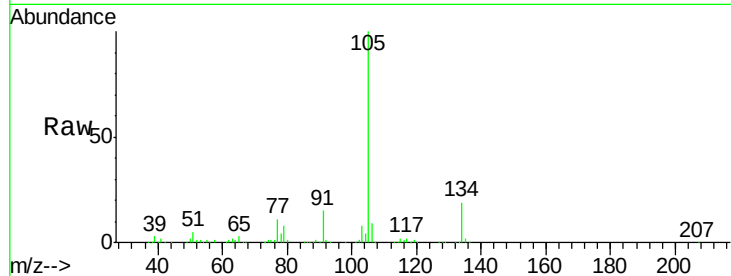
105 100

134 19.5 9.7 29.1

Manual Integrations
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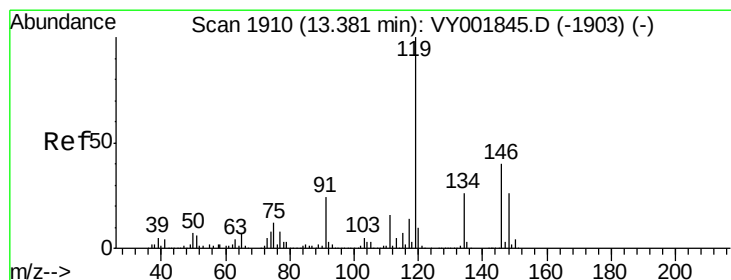
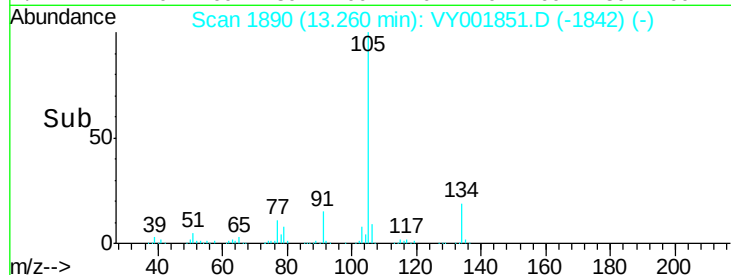
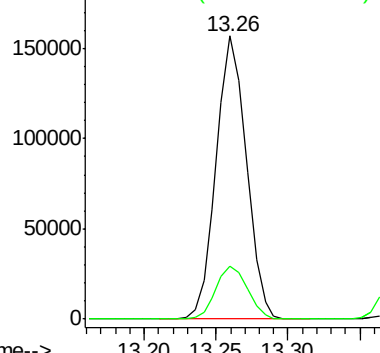
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.158 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

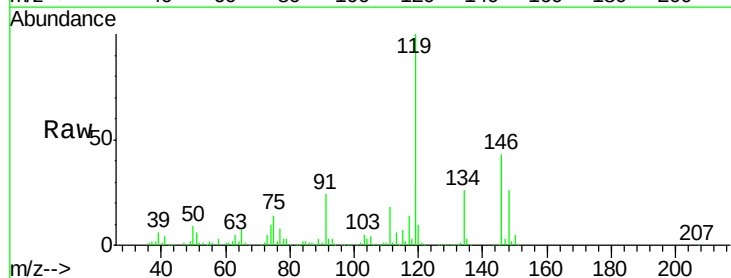
Tgt Ion:119 Resp: 196090

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

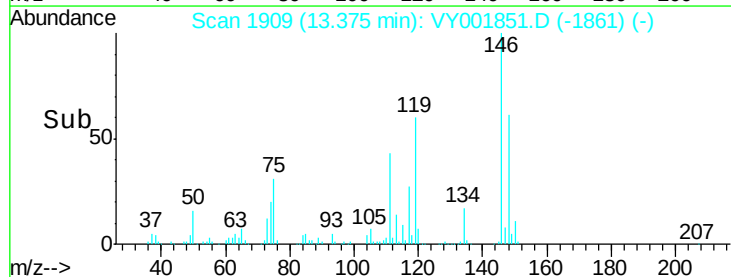
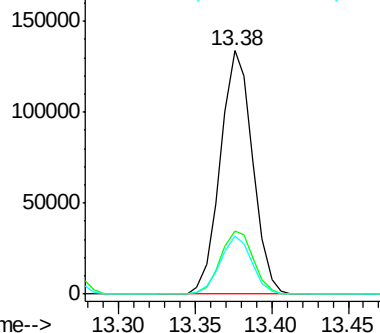
91 23.2 11.9 35.7

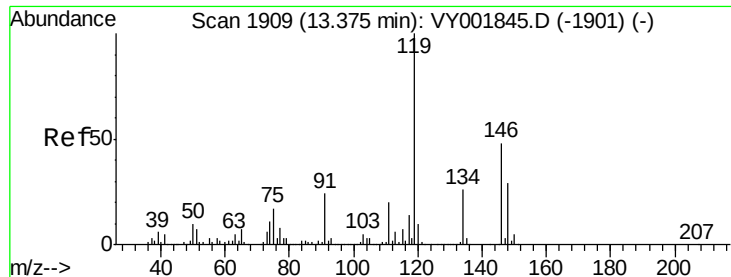


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.749 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

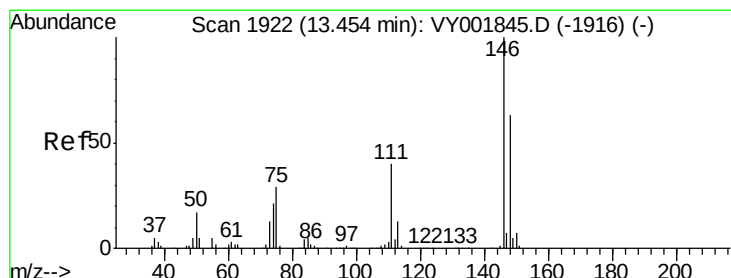
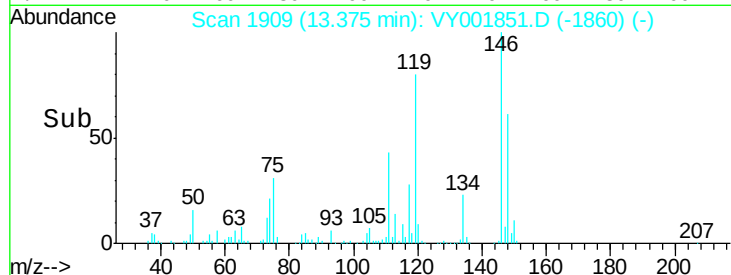
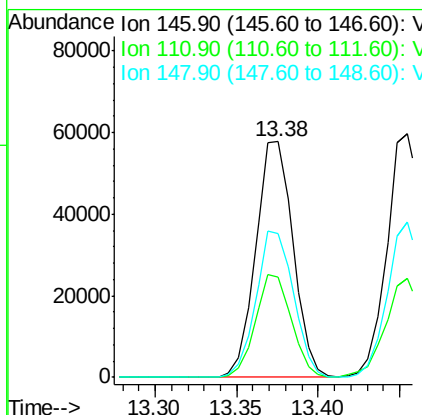
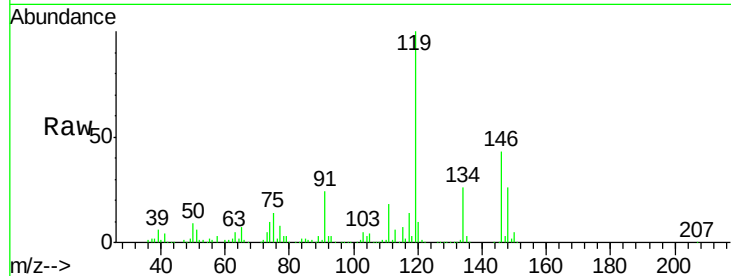
ClientSampleId :

VY0304SBSD01

Tot Ion:	146	Resp:	91828
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.8	62.5
148	62.3	31.4	94.0

Manual Integrations
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3/5/2020 1:37:21 PM



#88

1,4-Dichlorobenzene

Concen: 20.903 ug/l

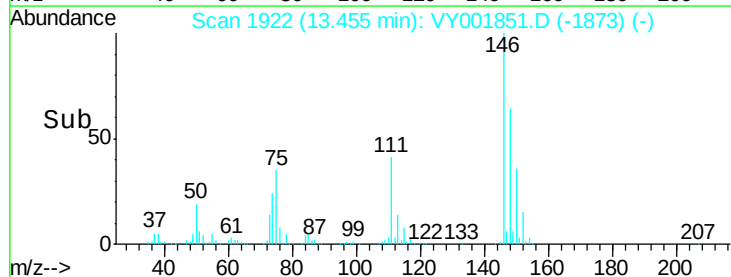
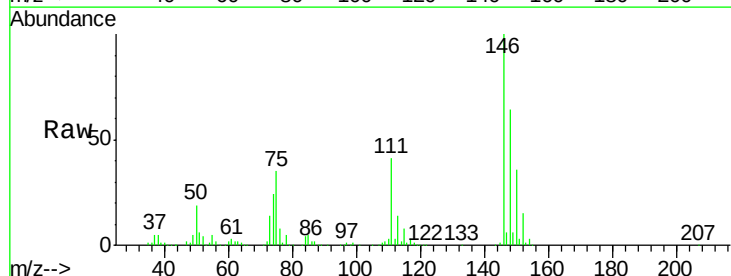
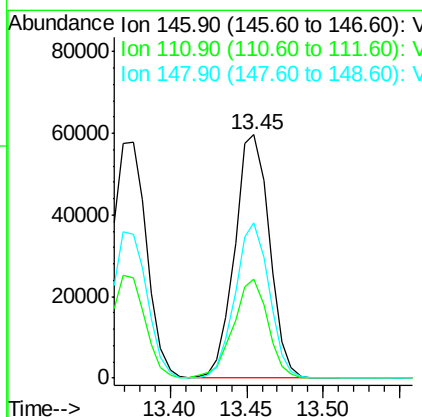
RT: 13.45 min Scan# 1922

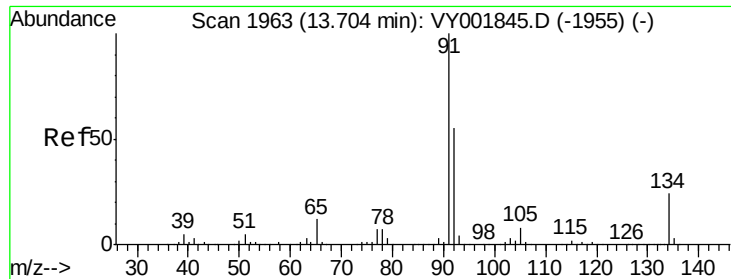
Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion:	146	Resp:	93853
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.0	60.0
148	62.8	31.5	94.5





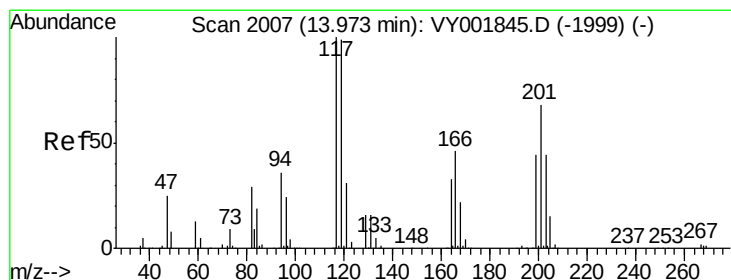
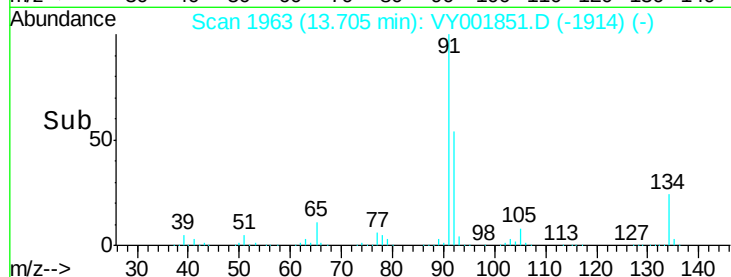
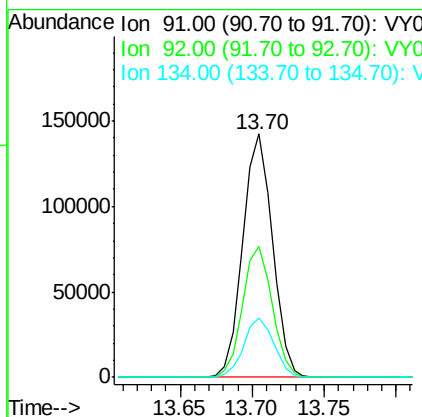
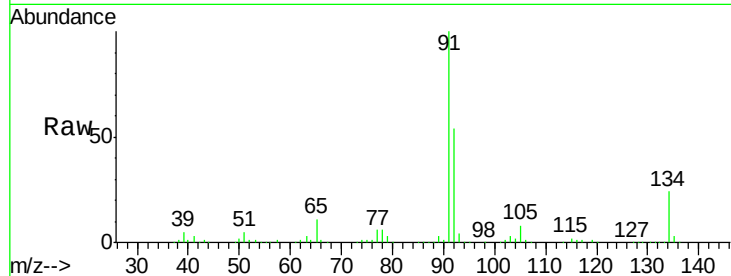
#89
n-Butylbenzene
Concen: 21.121 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203085		
92	53.8		27.5	82.4
134	24.6		12.5	37.5

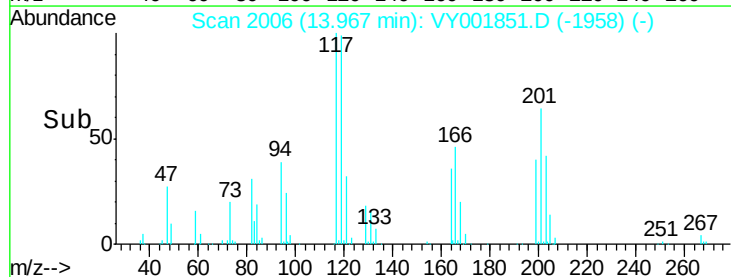
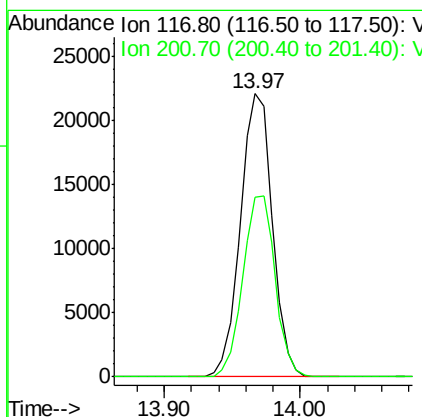
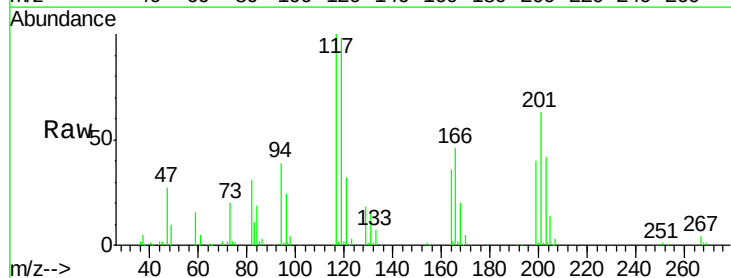
Manual Integrations
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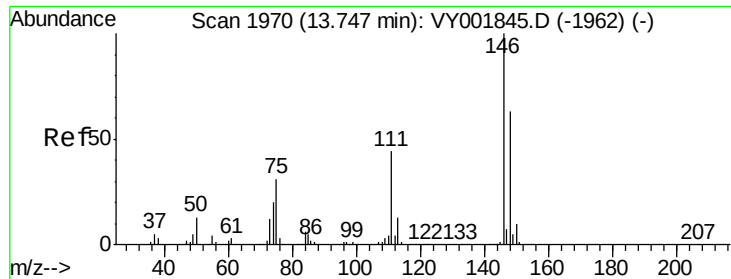
MMDadoda
3/5/2020 1:37:21 PM



#90
Hexachloroethane
Concen: 20.683 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001851.D
Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36161		
201	64.6		32.5	97.5





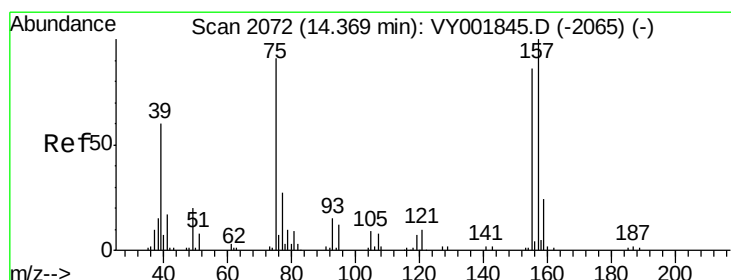
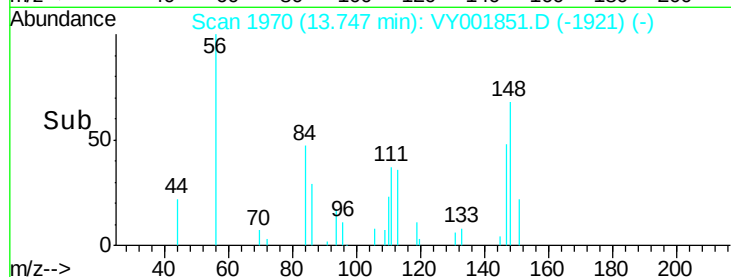
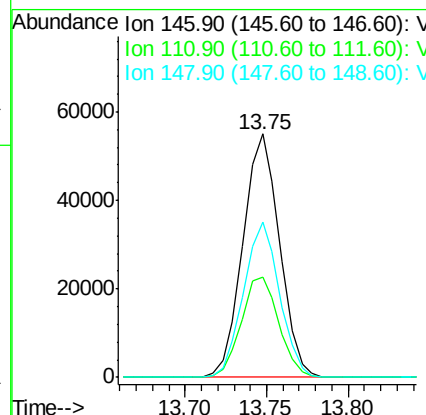
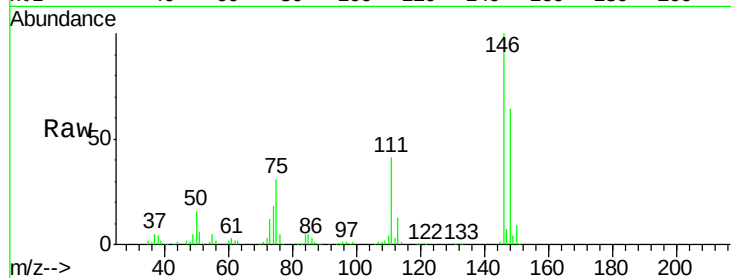
#91
 1,2-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.9	32.0	96.0

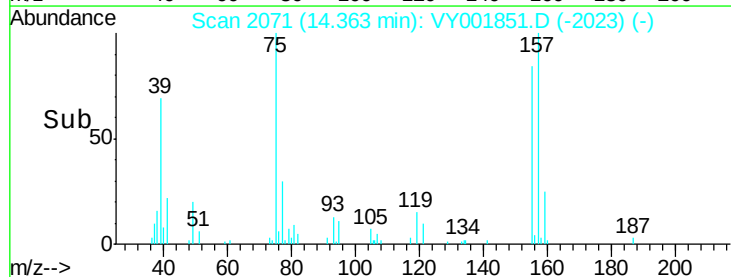
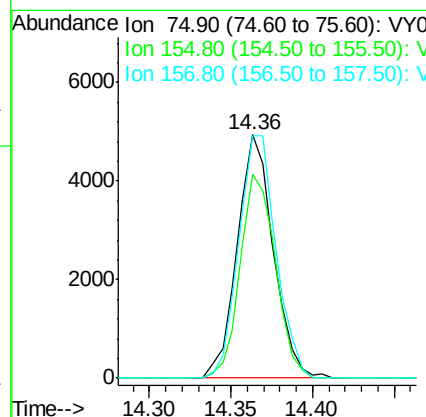
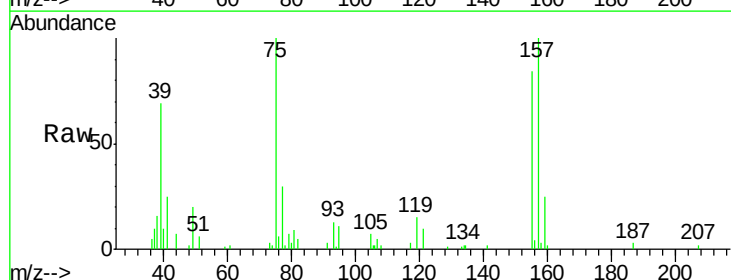
Manual Integrations
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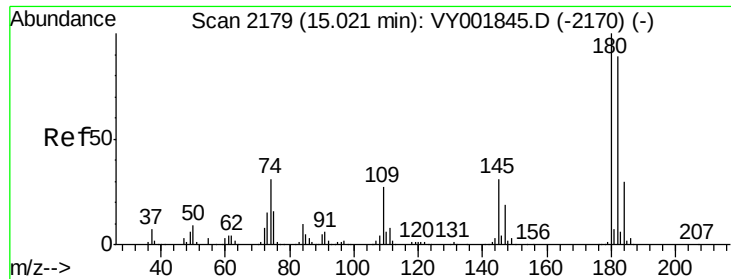
MMDadoda
 3/5/2020 1:37:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.173 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.9	128.7
157	102.9	53.1	159.4





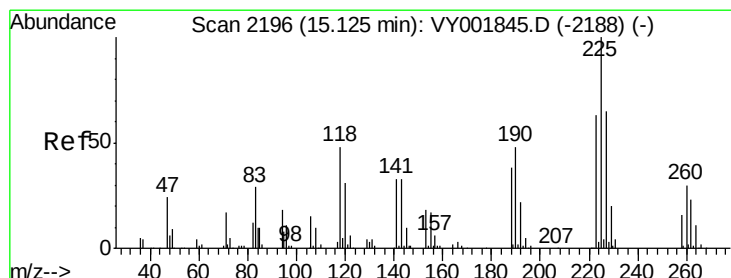
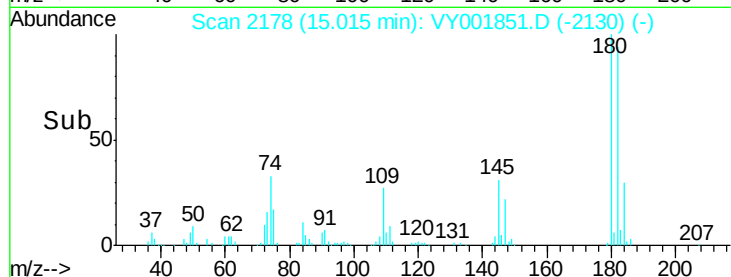
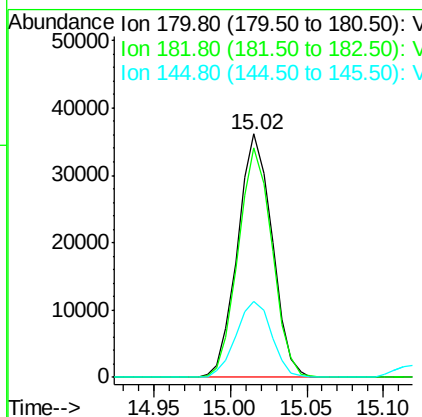
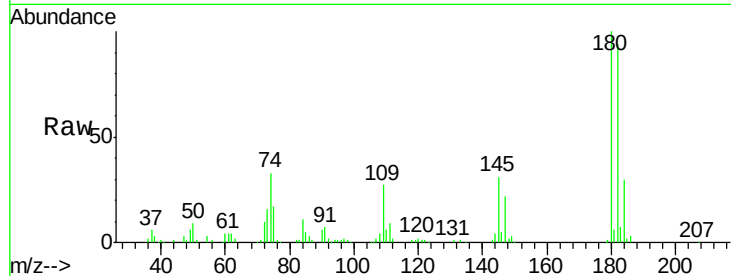
#93
 1,2,4-Trichlorobenzene
 Concen: 21.697 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.1	138.3
145	32.3	15.6	46.8

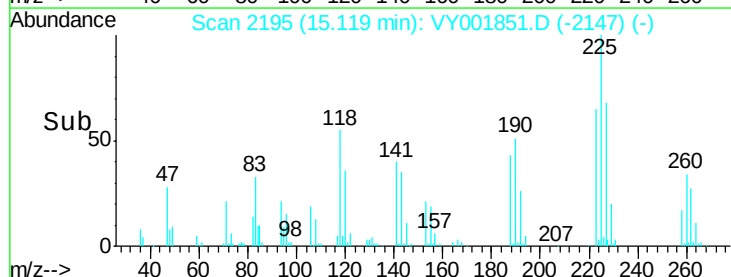
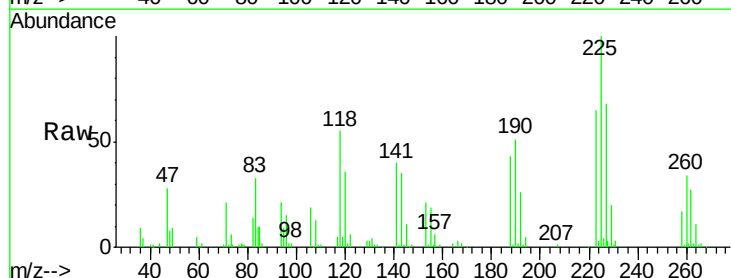
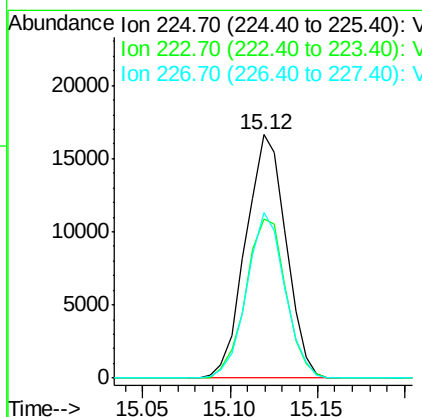
Manual Integrations
 APPROVED

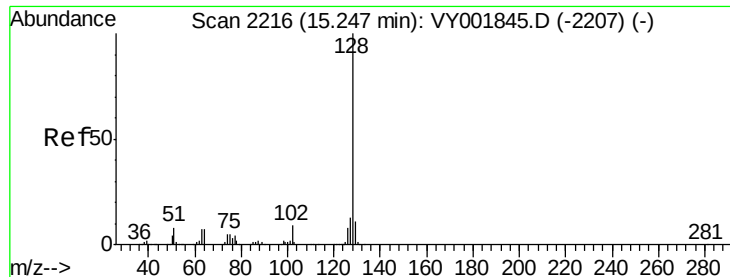
MMDadoda
 3/5/2020 1:37:21 PM



#94
 Hexachlorobutadiene
 Concen: 21.034 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001851.D
 Acq: 04 Mar 2020 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.5	94.5
227	64.0	31.9	95.5





#95

Naphthalene

Concen: 21.399 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Instrument :

MSVOA_Y

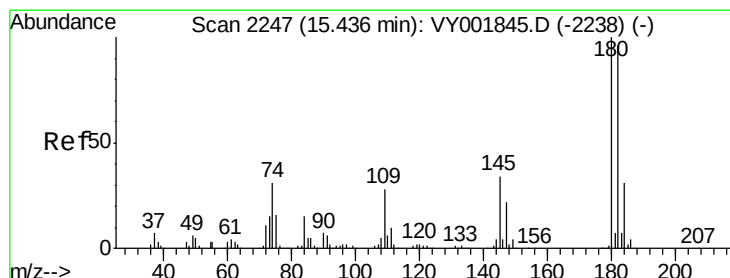
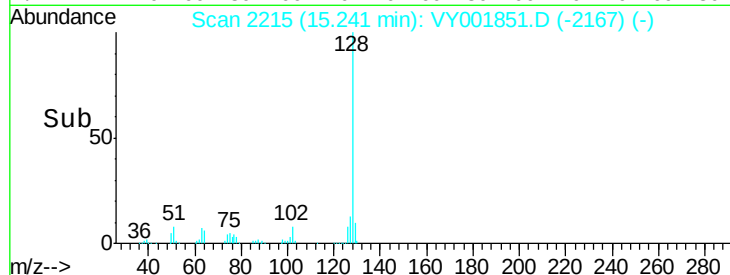
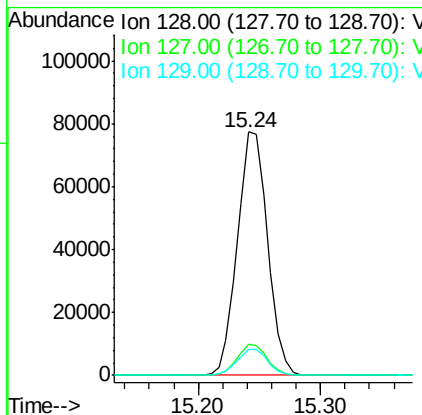
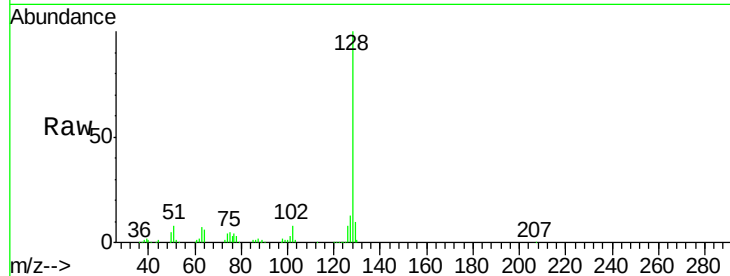
ClientSampleId :

VY0304SBS01

Tot Ion:	128	Resp:	132351
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.694 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001851.D

Acq: 04 Mar 2020 14:23

Tgt Ion:	180	Resp:	49831
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.6	142.9
145	34.7	16.8	50.3

