

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\
 Data File : VY001895.D
 Acq On : 06 Mar 2020 12:41
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:04 AM

Quant Time: Mar 06 23:29:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	167645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	308276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	273153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	127008	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	89503	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.75	113	86430	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.20	98	360782	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.49	95	123114	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	29240	18.895	ug/l	95
3) Chloromethane	2.13	50	45770	21.938	ug/l	99
4) Vinyl Chloride	2.27	62	42344	19.953	ug/l	95
5) Bromomethane	2.67	94	28662	19.561	ug/l	99
6) Chloroethane	2.82	64	26419	19.818	ug/l	95
7) Trichlorofluoromethane	3.15	101	55603	19.319	ug/l	93
8) Diethyl Ether	3.56	74	22297	19.656	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.94	101	36956	19.964	ug/l	99
10) Methyl Iodide	4.13	142	40077	18.721	ug/l	98
11) Tert butyl alcohol	4.99	59	26361	130.769	ug/l #	90
12) 1,1-Dichloroethene	3.91	96	37150	19.931	ug/l	99
13) Acrolein	3.76	56	22417	89.134	ug/l	95
14) Allyl chloride	4.52	41	64513	19.524	ug/l	98
15) Acrylonitrile	5.21	53	52951	87.356	ug/l	98
16) Acetone	3.98	43	41360	79.344	ug/l	95
17) Carbon Disulfide	4.23	76	119278	19.036	ug/l	98
18) Methyl Acetate	4.52	43	22790	17.015	ug/l	100
19) Methyl tert-butyl Ether	5.27	73	93735	18.557	ug/l	92
20) Methylene Chloride	4.76	84	45847	20.522	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	41748	19.733	ug/l	98
22) Diisopropyl ether	6.16	45	135081	19.943	ug/l	99
23) Vinyl Acetate	6.10	43	411833	92.747	ug/l	100
24) 1,1-Dichloroethane	6.07	63	72849	19.861	ug/l	97
25) 2-Butanone	7.03	43	66343	83.691	ug/l	99
26) 2,2-Dichloropropane	7.02	77	60823	20.203	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	45767	19.888	ug/l	99
28) Bromochloromethane	7.37	49	32928	19.916	ug/l	98
29) Tetrahydrofuran	7.38	42	43928	83.448	ug/l	99
30) Chloroform	7.54	83	68708	19.938	ug/l	95
31) Cyclohexane	7.82	56	76307	19.402	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	57348	19.744	ug/l	100
36) 1,1-Dichloropropene	7.95	75	57885	19.513	ug/l	100
37) Ethyl Acetate	7.11	43	31464	18.249	ug/l	98
38) Carbon Tetrachloride	7.93	117	47890	18.898	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	77339	19.656	ug/l	97
40) Benzene	8.19	78	172370	19.603	ug/l	99
41) Methacrylonitrile	7.35	41	16361m	21.085	ug/l	
42) 1,2-Dichloroethane	8.27	62	43288	19.105	ug/l	99
43) Isopropyl Acetate	8.30	43	56778	17.393	ug/l	99
44) Trichloroethene	8.97	130	41163	19.222	ug/l	96
45) 1,2-Dichloropropane	9.24	63	43687	19.765	ug/l	96
46) Dibromomethane	9.33	93	21497	18.873	ug/l	98
47) Bromodichloromethane	9.52	83	50705	19.136	ug/l	99
48) Methyl methacrylate	9.32	41	24880	17.177	ug/l	94
49) 1,4-Dioxane	9.32	88	5022	321.760	ug/l #	78
51) 4-Methyl-2-Pentanone	10.09	43	151858	90.318	ug/l	99
52) Toluene	10.26	92	104468	19.558	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	53946	18.687	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	66130	19.243	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	30971	18.579	ug/l	95
56) Ethyl methacrylate	10.52	69	43699	17.884	ug/l	95
57) 1,3-Dichloropropane	10.81	76	55210	18.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	117798	121.371	ug/l	100
59) 2-Hexanone	10.85	43	98960	82.461	ug/l	98
60) Dibromochloromethane	11.00	129	32967	18.768	ug/l	100
61) 1,2-Dibromoethane	11.11	107	28964	18.343	ug/l	99
64) Tetrachloroethene	10.74	164	33084	19.314	ug/l	97
65) Chlorobenzene	11.53	112	106621	19.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	35106	19.669	ug/l	98
67) Ethyl Benzene	11.61	91	198031	19.509	ug/l	99
68) m/p-Xylenes	11.71	106	149280	39.779	ug/l	99
69) o-Xylene	12.04	106	70304	19.876	ug/l	98
70) Styrene	12.06	104	120264	19.852	ug/l	100
71) Bromoform	12.22	173	17057	17.622	ug/l #	98
73) Isopropylbenzene	12.34	105	188345	19.426	ug/l	99
74) N-amyl acetate	12.16	43	51639	17.330	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	36730	17.567	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	24640m	16.350	ug/l	
77) Bromobenzene	12.62	156	39900	19.424	ug/l	97
78) n-propylbenzene	12.68	91	235720	19.707	ug/l	100
79) 2-Chlorotoluene	12.77	91	127978	19.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	157129	19.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	12952	17.360	ug/l	99
82) 4-Chlorotoluene	12.86	91	135198	19.649	ug/l	99
83) tert-Butylbenzene	13.08	119	129292	19.503	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	157156	19.840	ug/l	99
85) sec-Butylbenzene	13.27	105	192570	19.707	ug/l	99
86) p-Isopropyltoluene	13.38	119	168212	19.955	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	79691	19.797	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	78433	19.207	ug/l	97
89) n-Butylbenzene	13.70	91	173458	19.834	ug/l	99
90) Hexachloroethane	13.97	117	30654	19.277	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	71502	19.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5360	16.429	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46531	19.620	ug/l	98
94) Hexachlorobutadiene	15.13	225	23424	20.259	ug/l	98
95) Naphthalene	15.25	128	97624	17.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40107	19.197	ug/l	98

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

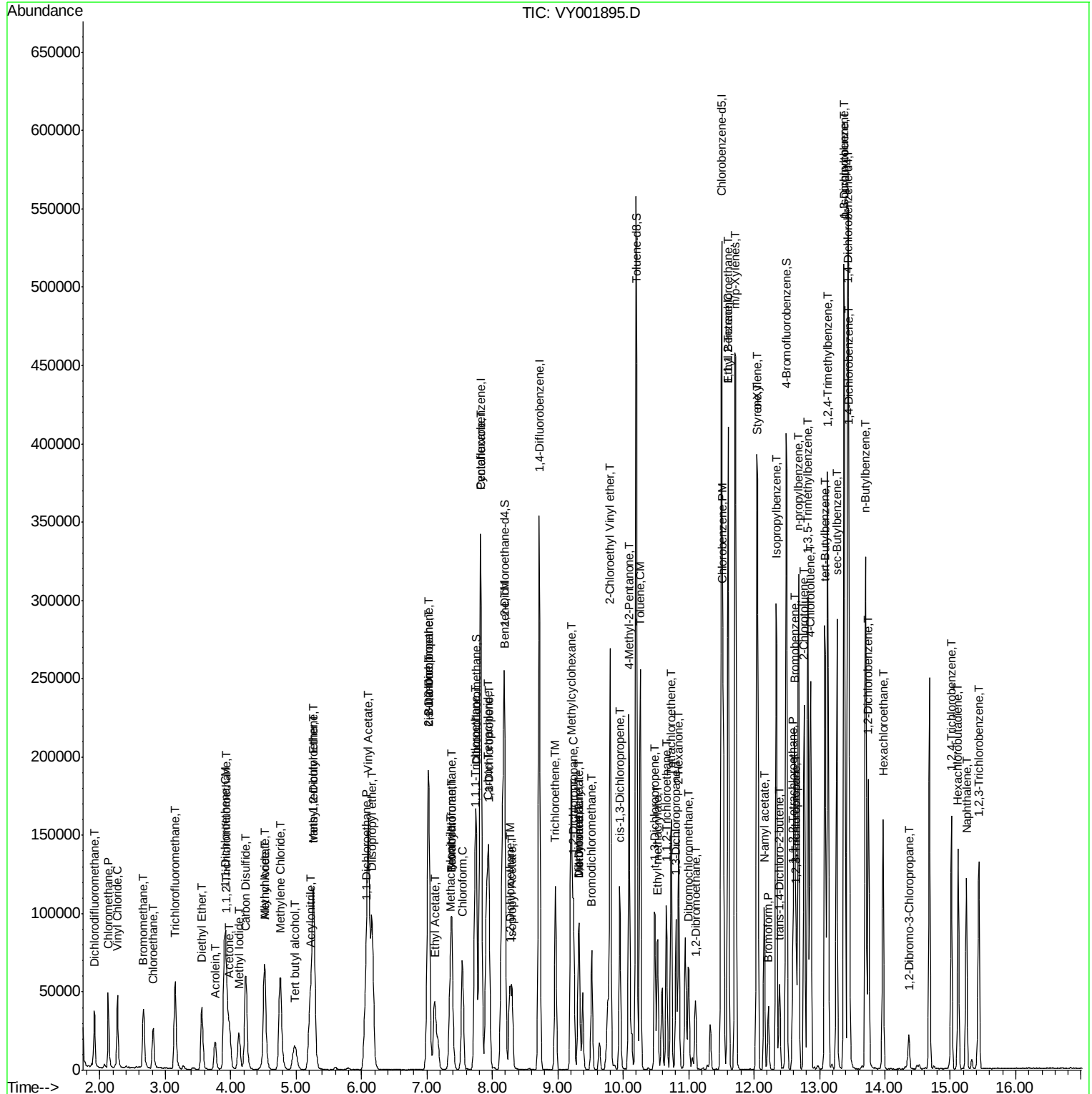
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Data File : VY001895.D
Acq On : 06 Mar 2020 12:41
Operator : SY/MD
Sample : VY0306SBSD01
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ALS Vial : 5 Sample Multiplier: 1

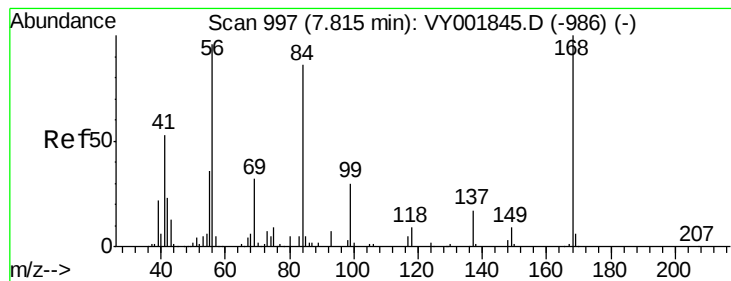
Instrument :
MSVOA_Y
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion:168 Resp: 167645

Ion Ratio Lower Upper

168 100

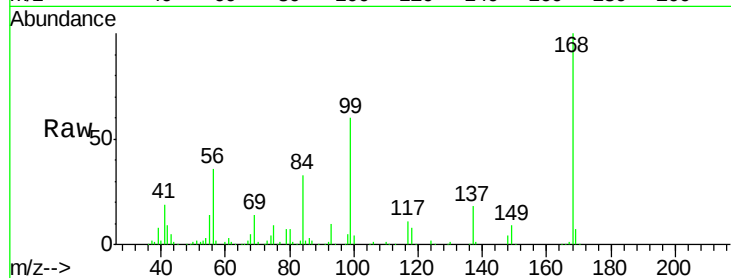
99 60.1 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

80000

60000

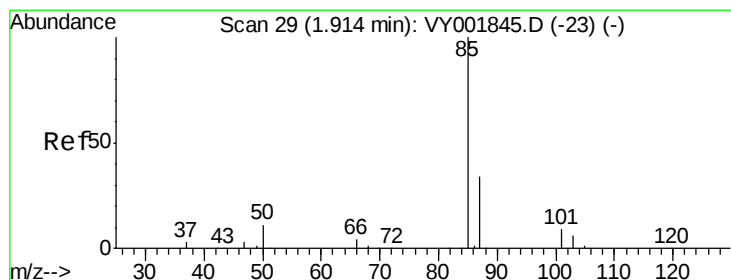
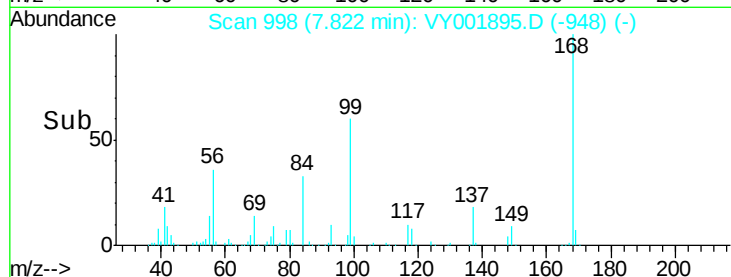
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.895 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001895.D

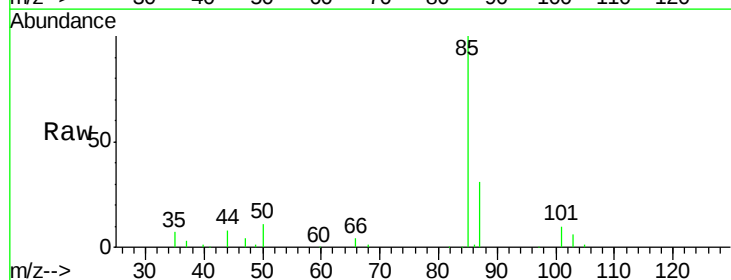
Acq: 06 Mar 2020 12:41

Tgt Ion: 85 Resp: 29240

Ion Ratio Lower Upper

85 100

87 30.9 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

20000

15000

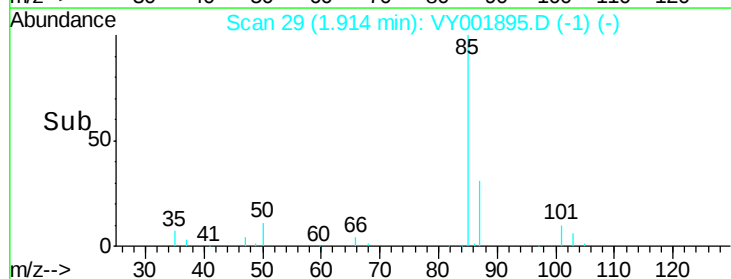
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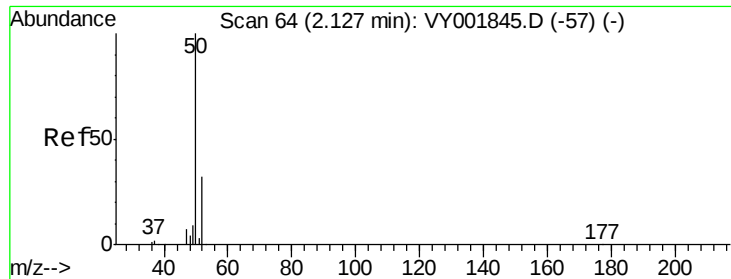
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.938 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion: 50 Resp: 45770

Ion Ratio Lower Upper

50 100

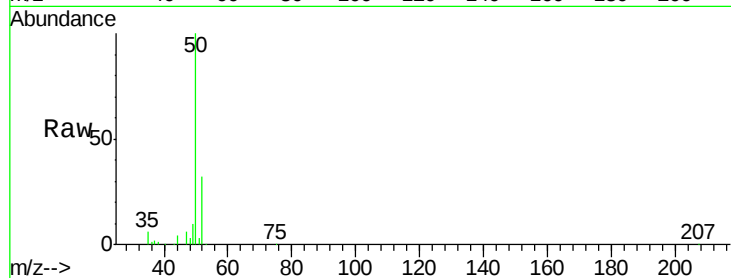
52 31.6 25.8 38.6

Manual Integrations

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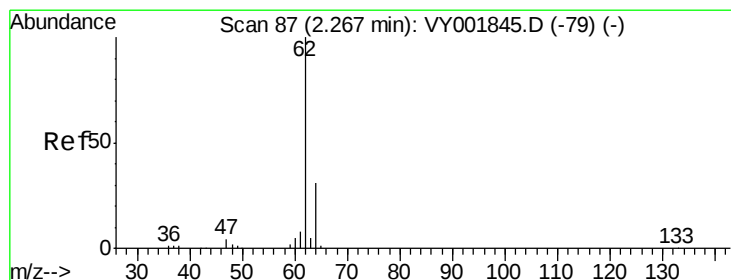
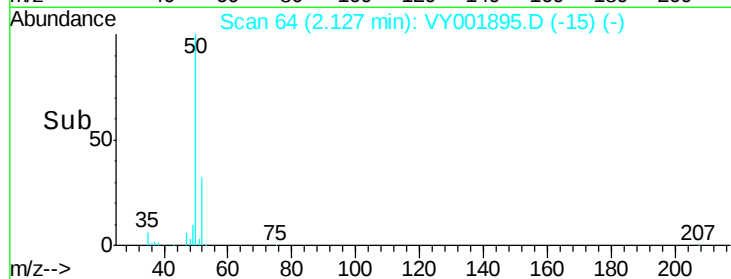
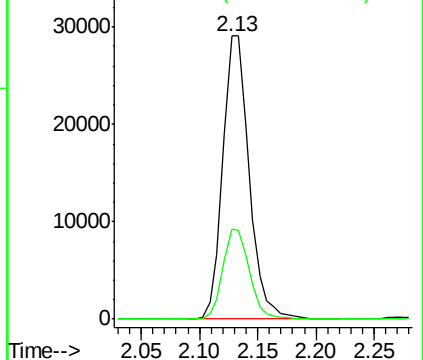
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.953 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001895.D

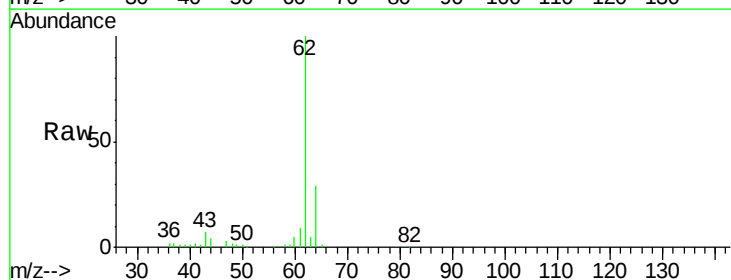
Acq: 06 Mar 2020 12:41

Tgt Ion: 62 Resp: 42344

Ion Ratio Lower Upper

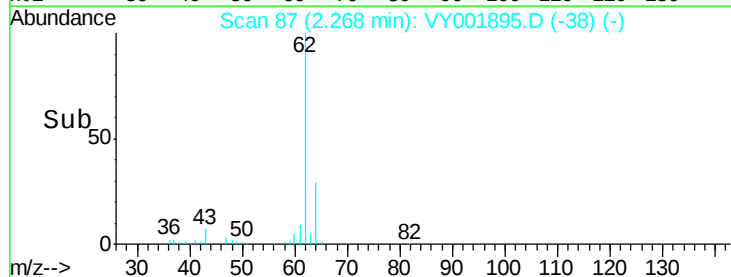
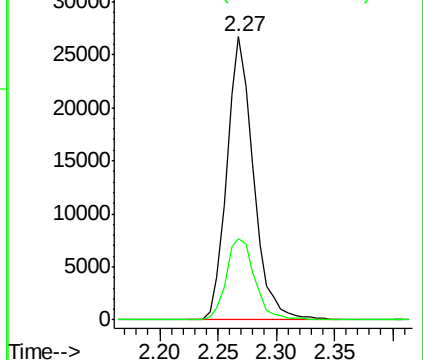
62 100

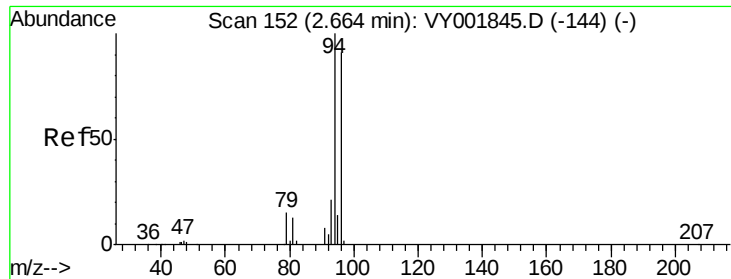
64 28.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.561 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

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VY0306SBS01

Tot Ion: 94 Resp: 28662

Ion Ratio Lower Upper

94 100

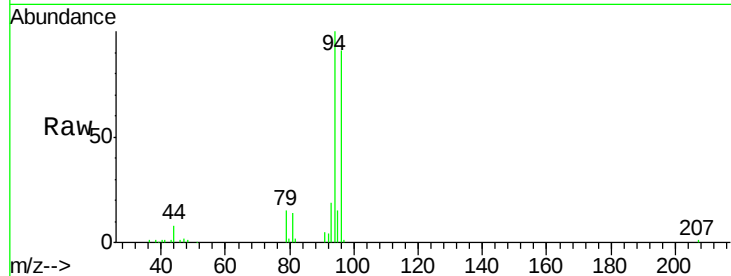
96 90.6 73.2 109.8

Manual Integrations

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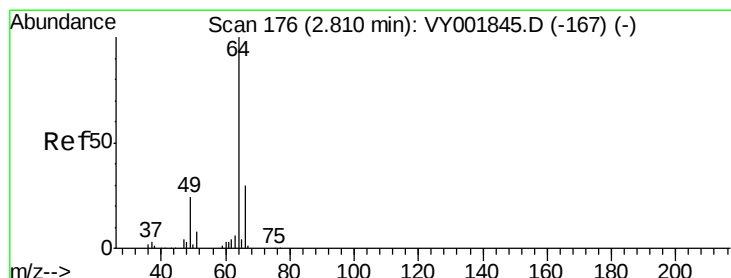
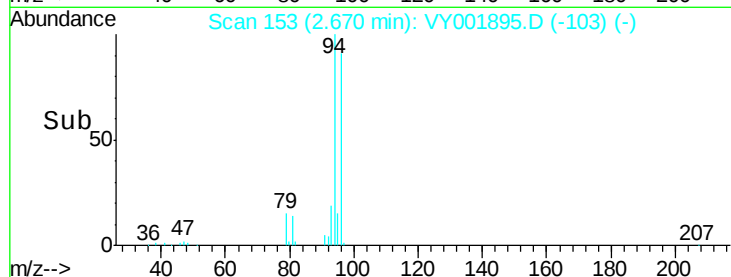
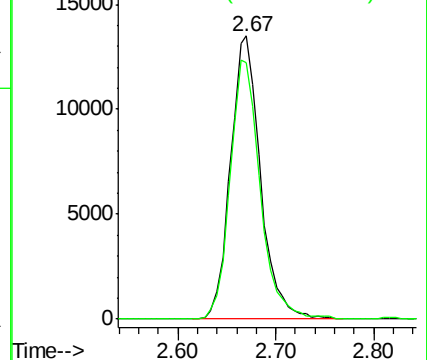
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.818 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001895.D

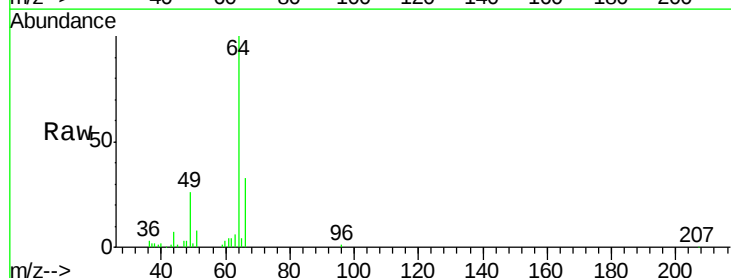
Acq: 06 Mar 2020 12:41

Tgt Ion: 64 Resp: 26419

Ion Ratio Lower Upper

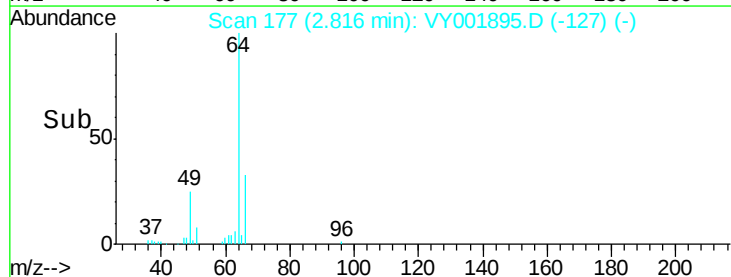
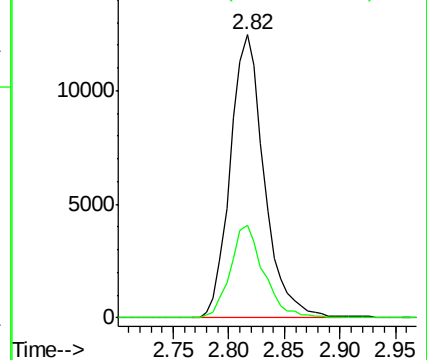
64 100

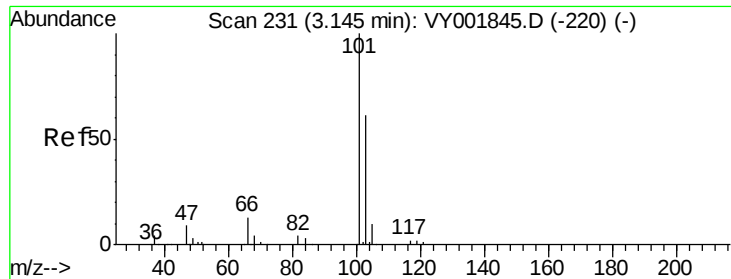
66 32.7 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

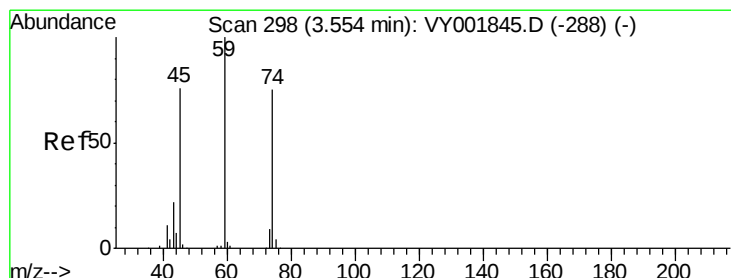
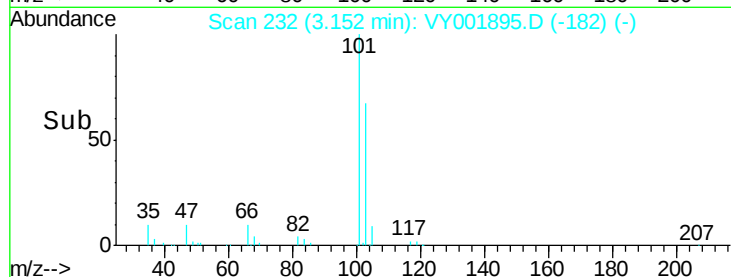
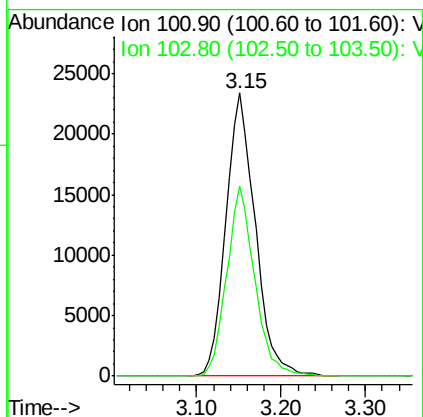
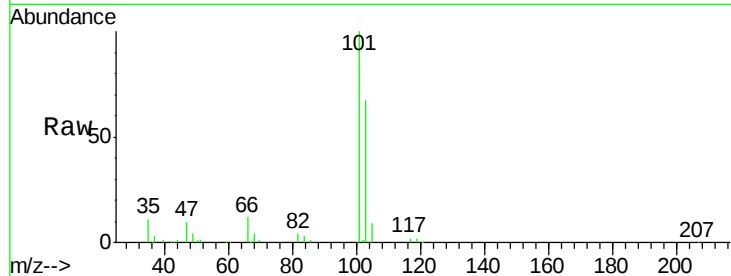
Trichlorofluoromethane
Concen: 19.319 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	49.1	73.7

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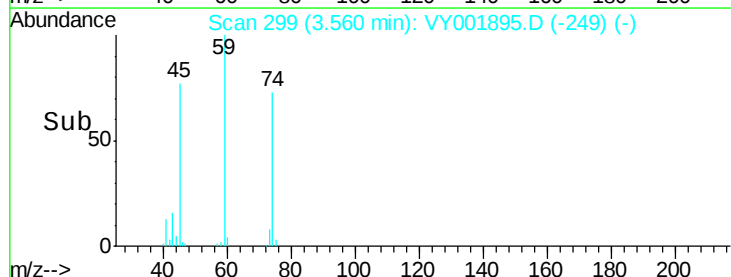
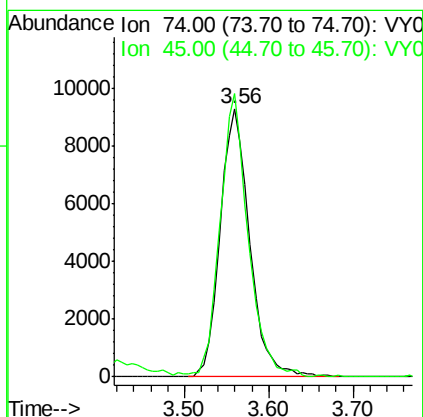
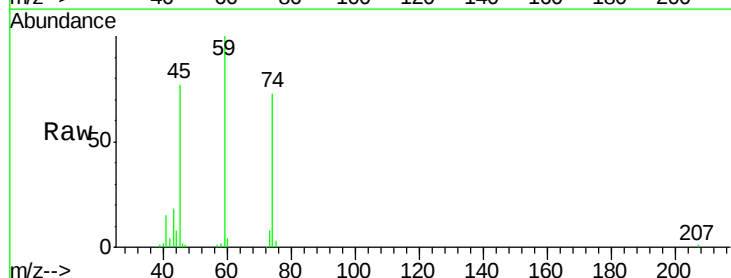
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#8

Diethyl Ether
Concen: 19.656 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.964 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

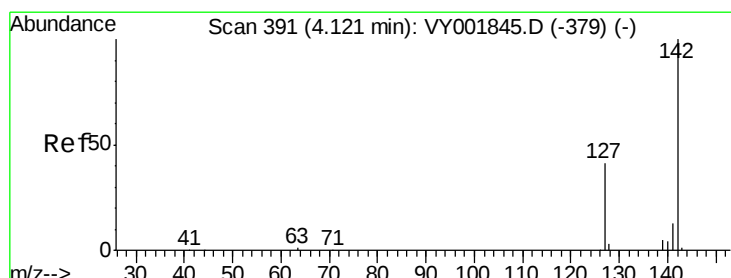
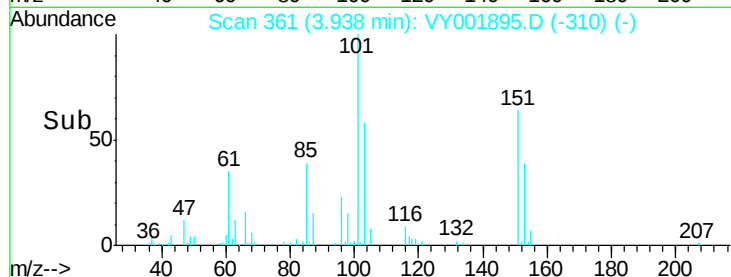
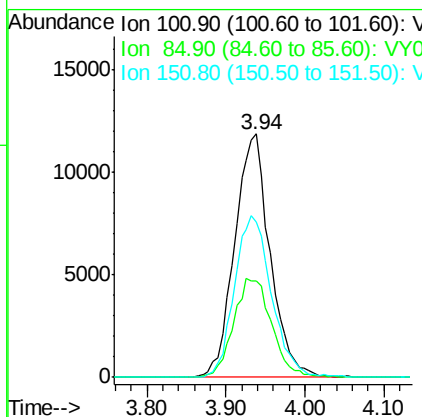
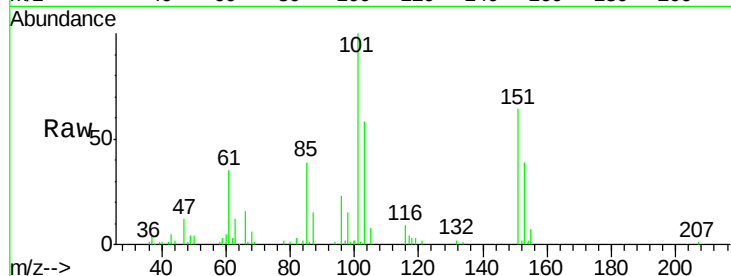
ClientSampleId :

VY0306SBS01

Tot Ion:	101	Resp:	36956
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.3	52.9
151	69.8	57.0	85.4

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#10

Methyl Iodide

Concen: 18.721 ug/l

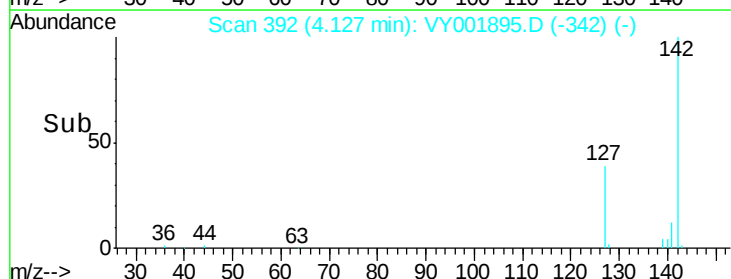
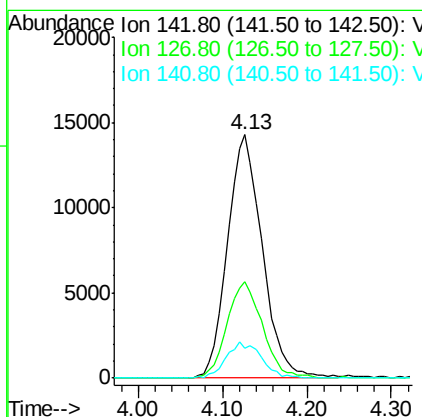
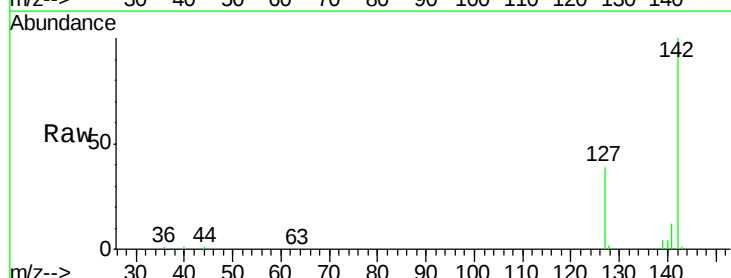
RT: 4.13 min Scan# 392

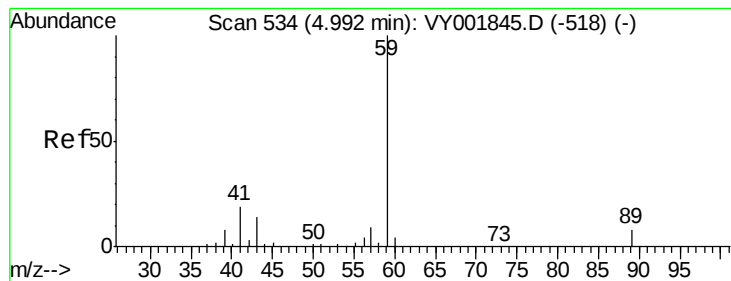
Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	142	Resp:	40077
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.7	49.1
141	15.0	11.0	16.6





#11

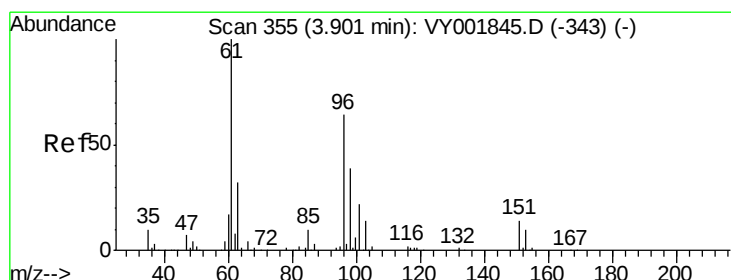
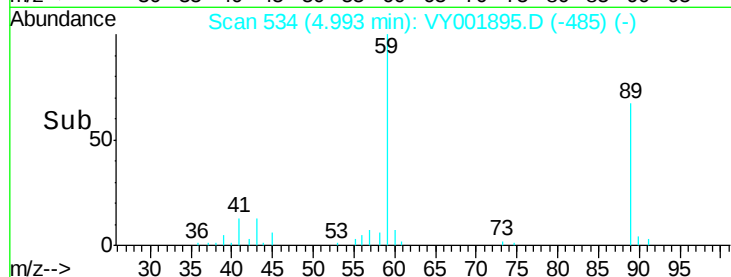
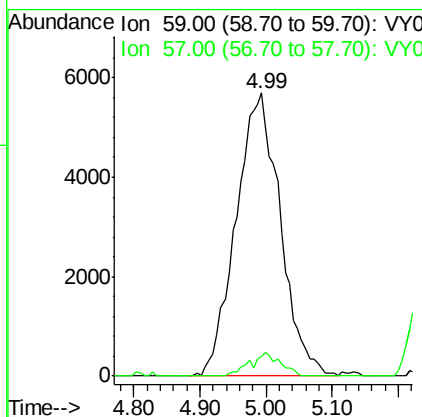
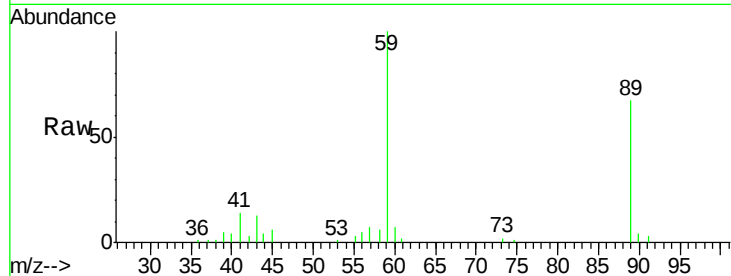
Tert butyl alcohol
Concen: 130.769 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	7.4	11.2#

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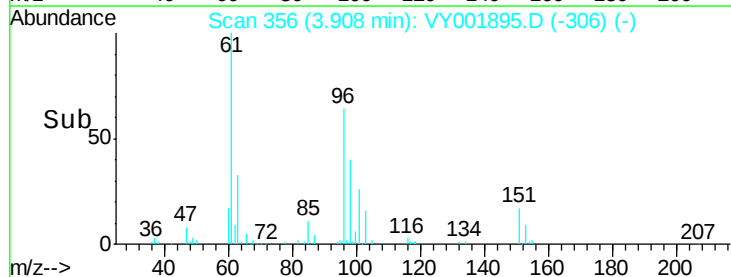
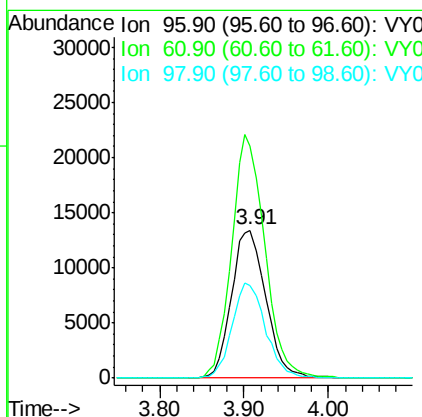
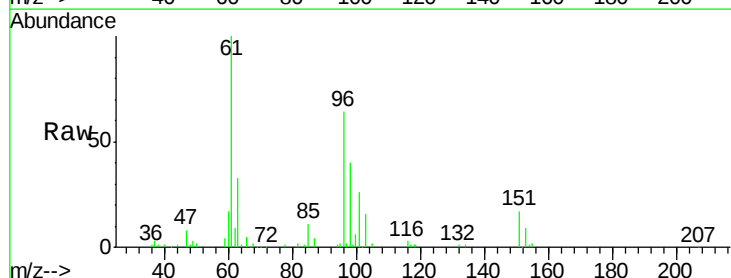
MMDadoda
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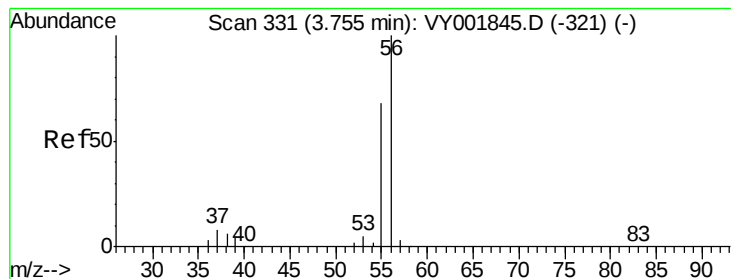


#12

1,1-Dichloroethene
Concen: 19.931 ug/l
RT: 3.91 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	124.8	187.2
98	62.2	49.2	73.8





#13

Acrolein

Concen: 89.134 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion: 56 Resp: 22417

Ion Ratio Lower Upper

56 100

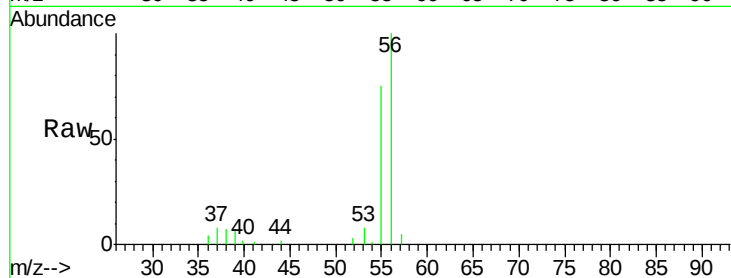
55 71.2 54.0 81.0

Manual Integrations

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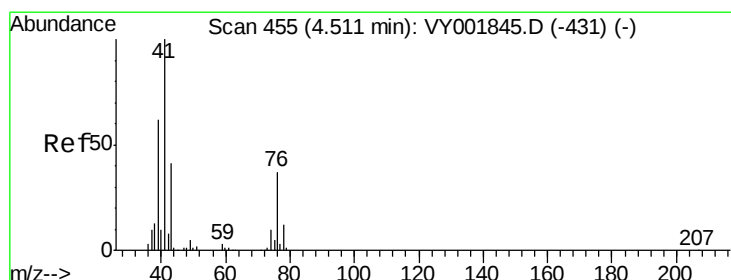
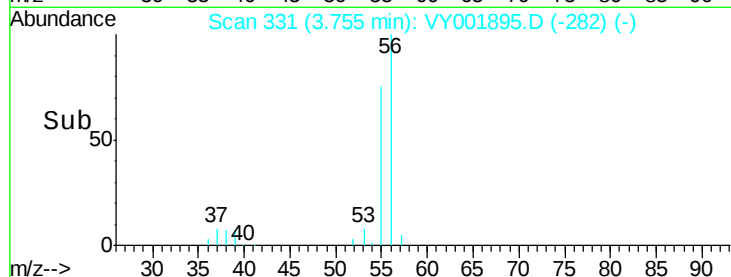
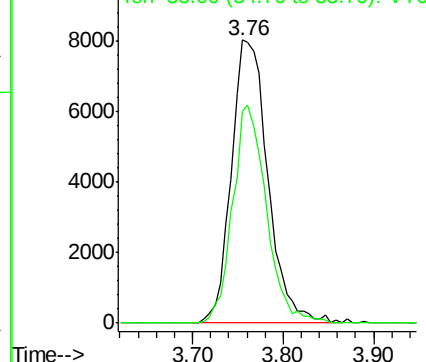
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.524 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

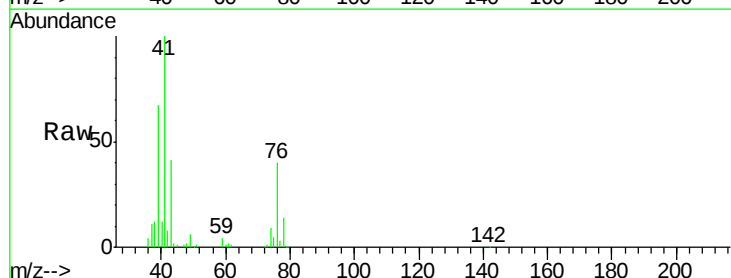
Tgt Ion: 41 Resp: 64513

Ion Ratio Lower Upper

41 100

39 62.9 49.0 73.6

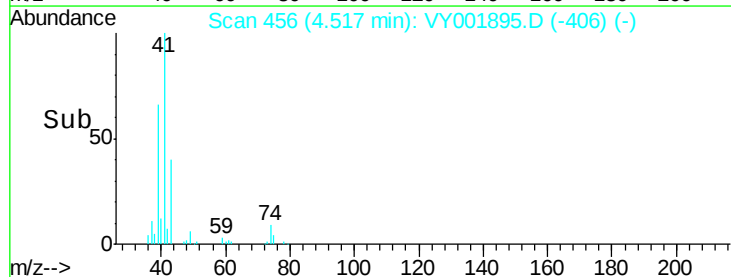
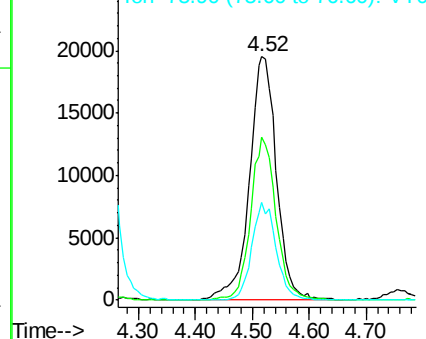
76 35.7 28.9 43.3

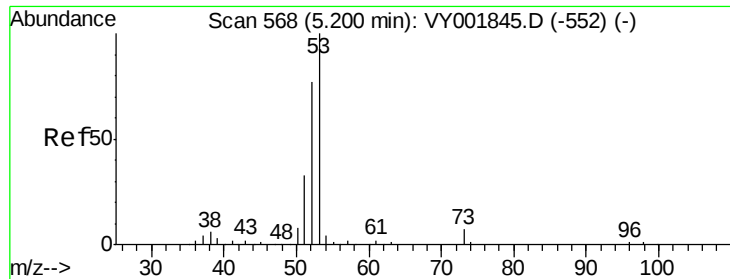


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





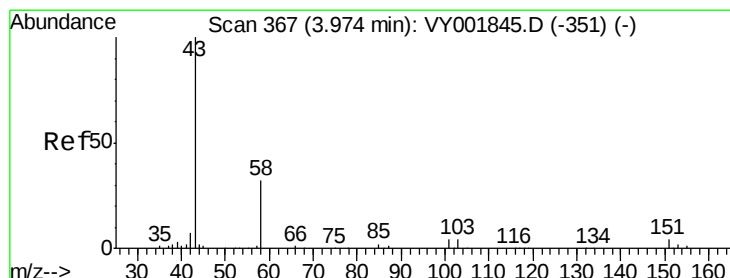
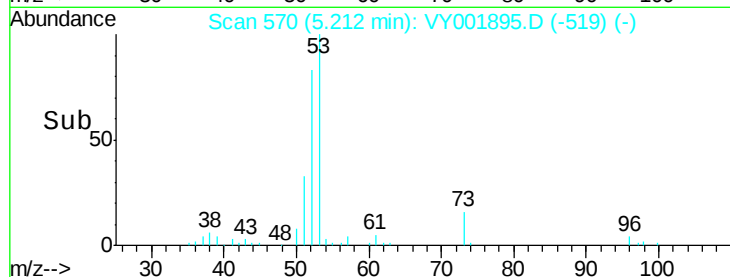
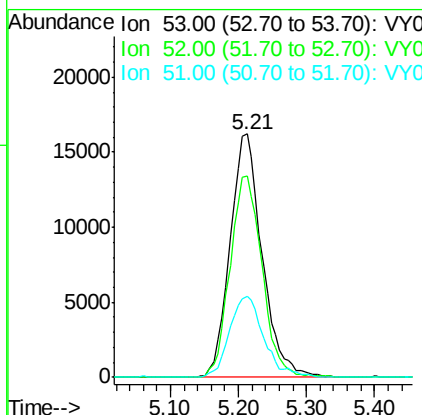
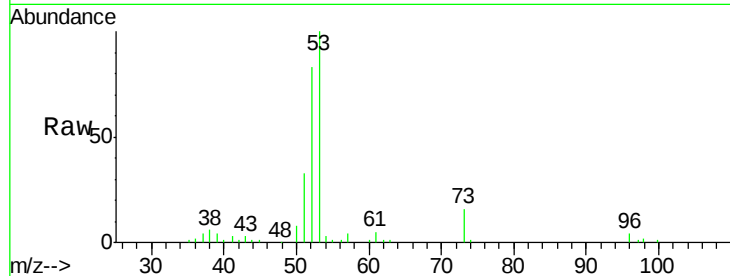
#15
Acrylonitrile
Concen: 87.356 ug/l
RT: 5.21 min Scan# 570
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	53	Resp	52951
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	35.8	27.5	41.3

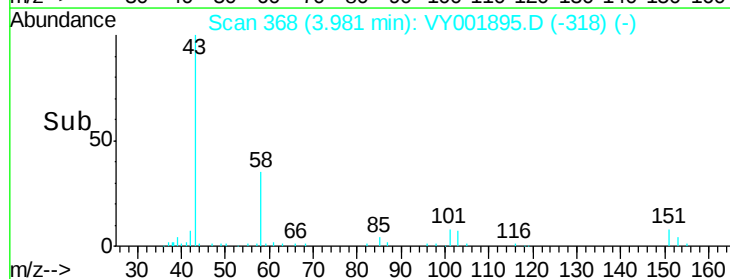
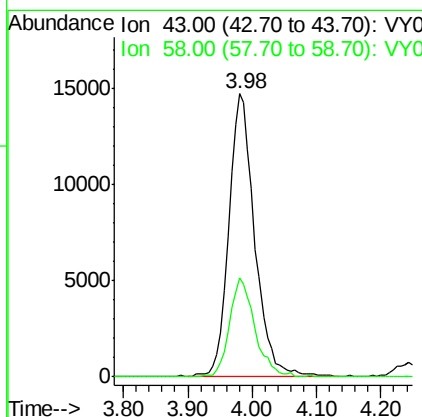
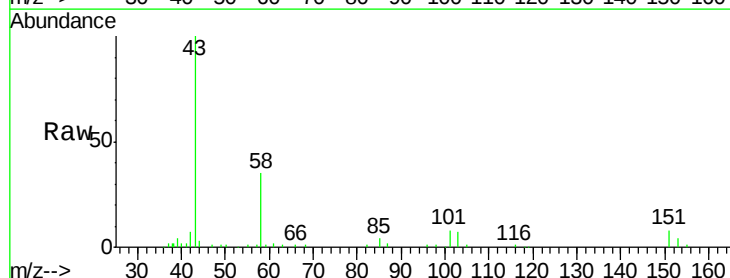
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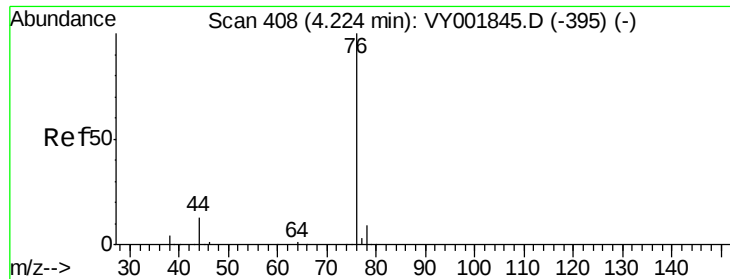
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#16
Acetone
Concen: 79.344 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	43	Resp	41360
Ion	Ratio	Lower	Upper
43	100		
58	35.1	25.9	38.9





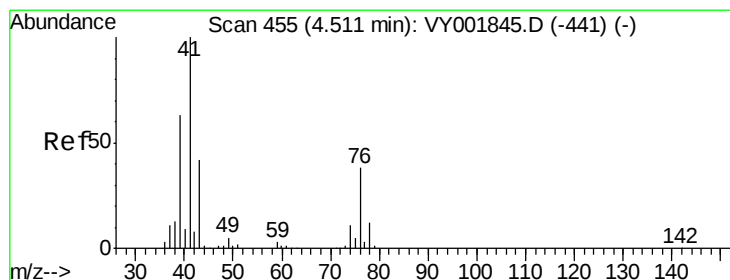
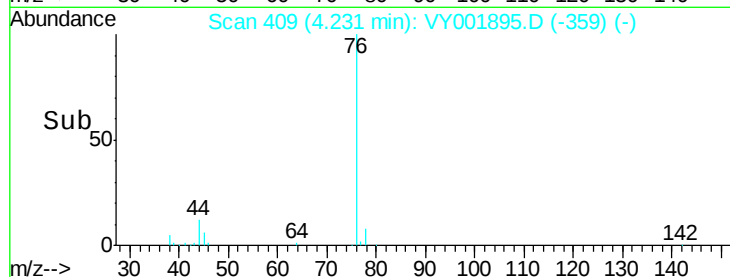
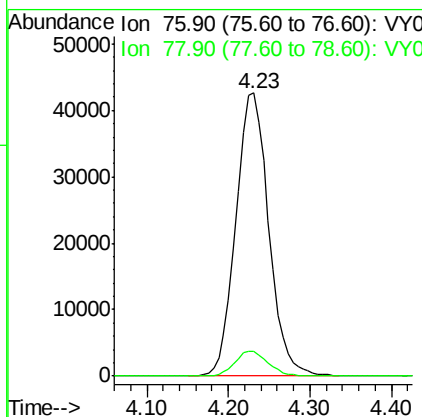
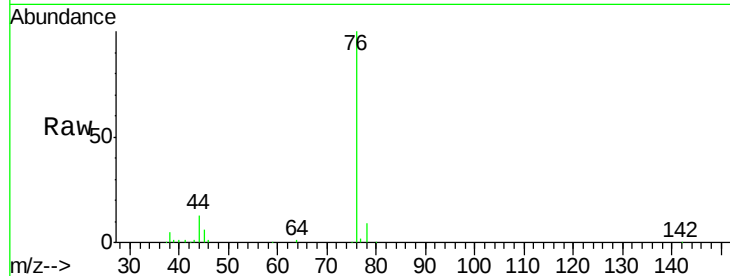
#17
Carbon Disulfide
Concen: 19.036 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

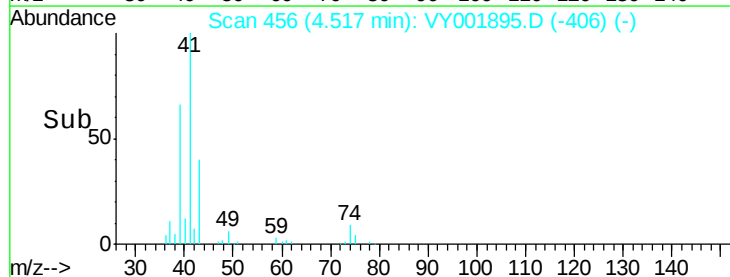
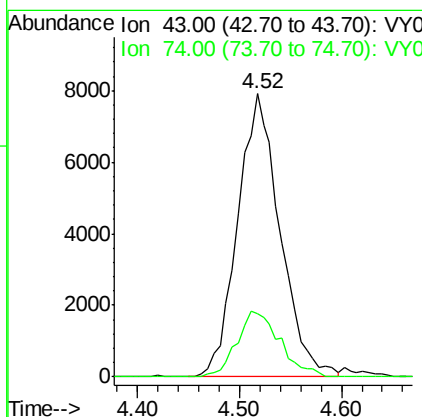
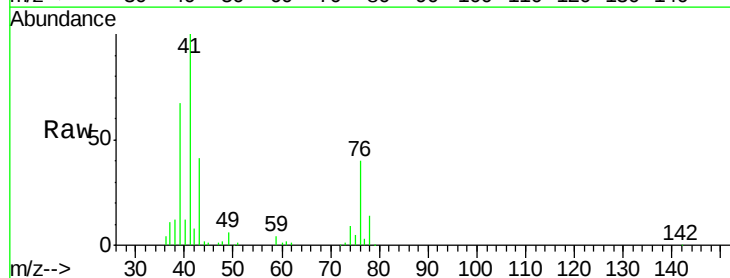
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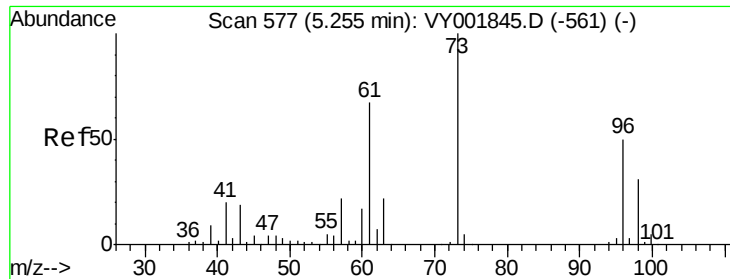
MMDadoda
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#18
Methyl Acetate
Concen: 17.015 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.6





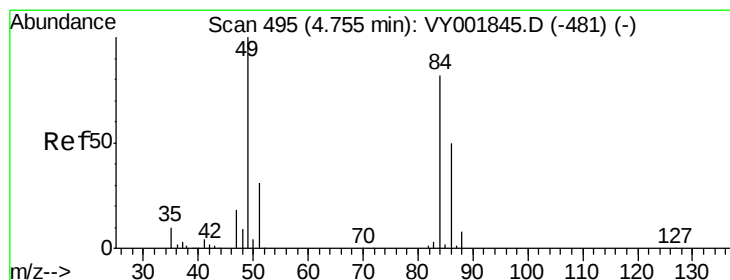
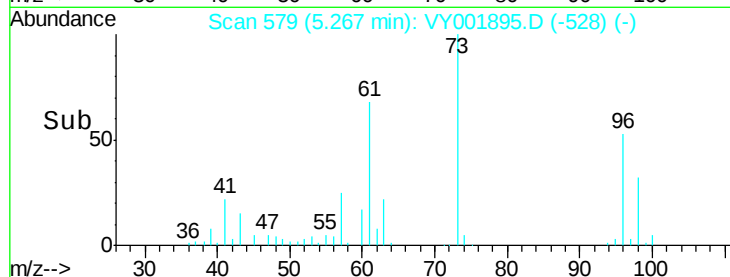
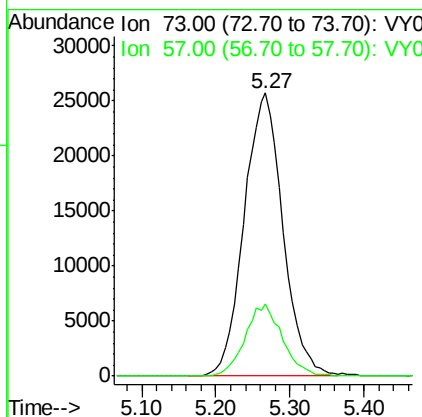
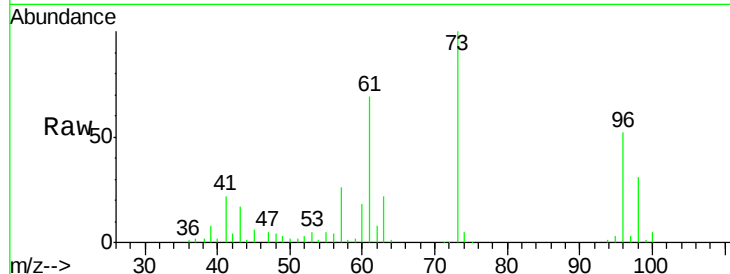
#19
Methyl tert-butyl Ether
Concen: 18.557 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion: 73 Resp: 93735
Ion Ratio Lower Upper
73 100
57 25.5 17.4 26.2

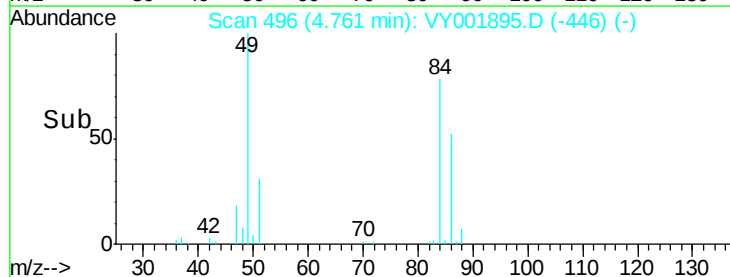
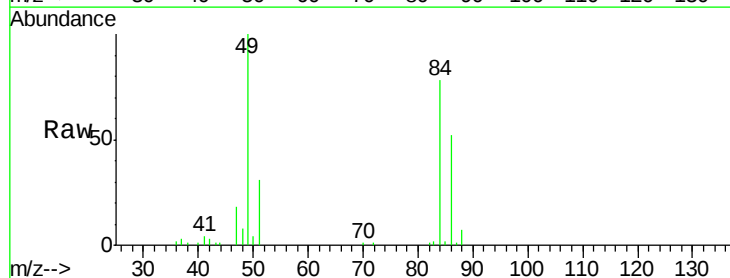
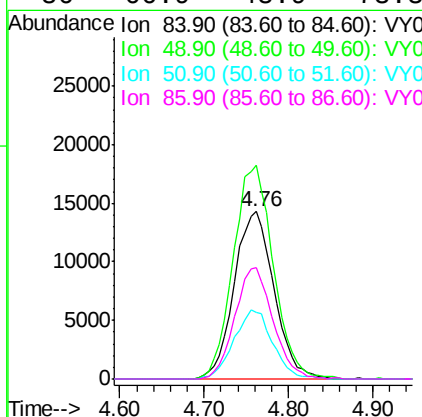
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#20
Methylene Chloride
Concen: 20.522 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion: 84 Resp: 45847
Ion Ratio Lower Upper
84 100
49 127.6 98.2 147.2
51 39.4 30.2 45.2
86 66.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

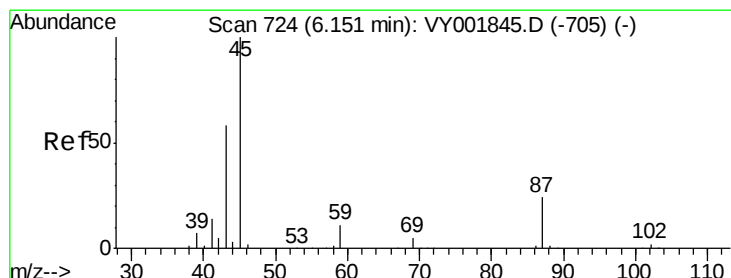
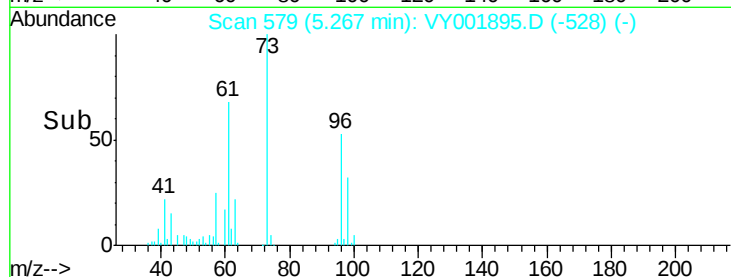
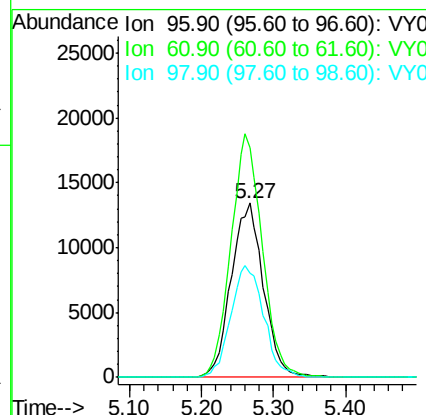
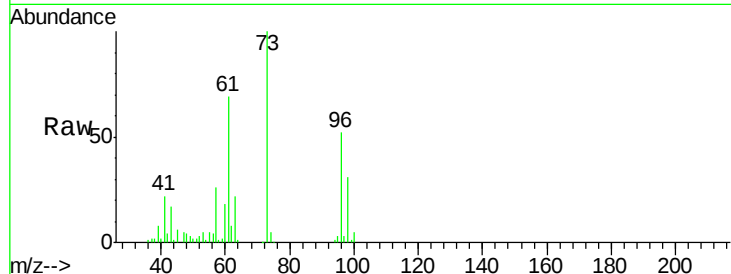
ClientSampleId :

VY0306SBS01

Tot Ion:	96	Resp:	41748
Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.7	161.5
98	60.0	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.943 ug/l

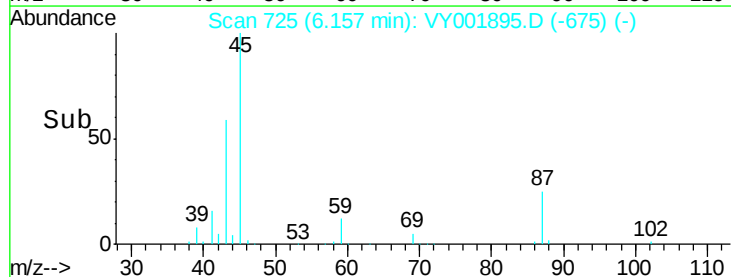
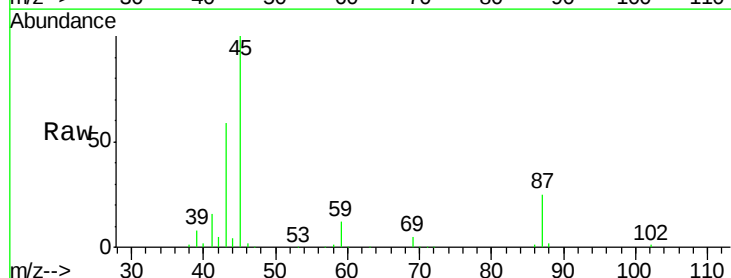
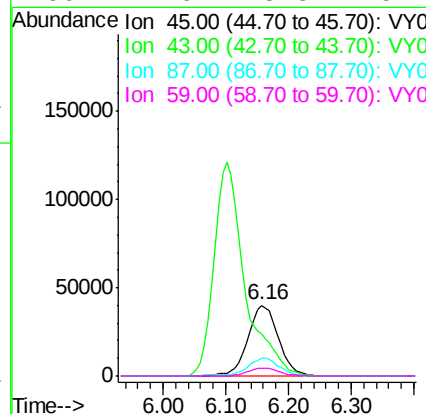
RT: 6.16 min Scan# 725

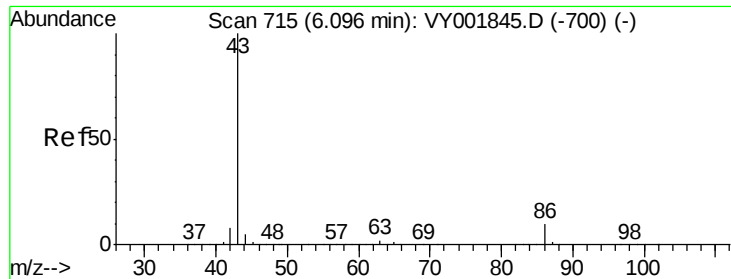
Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	45	Resp:	135081
Ion	Ratio	Lower	Upper
45	100		
43	58.9	47.2	70.8
87	25.5	19.8	29.8
59	11.6	8.8	13.2





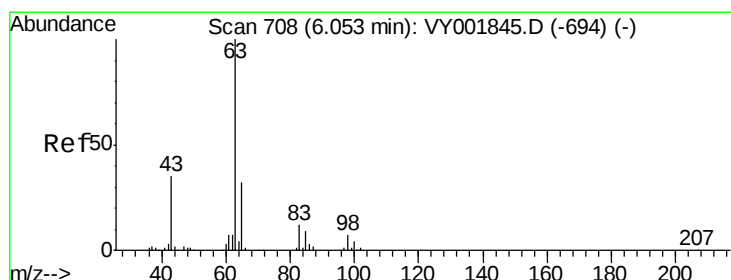
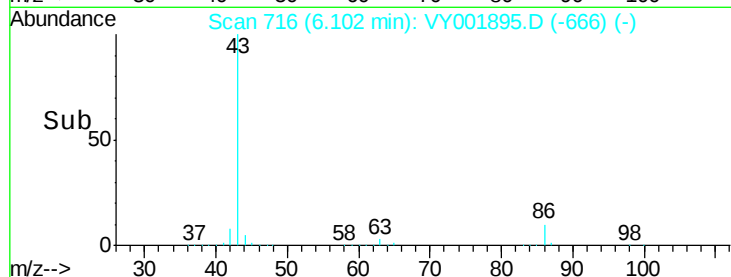
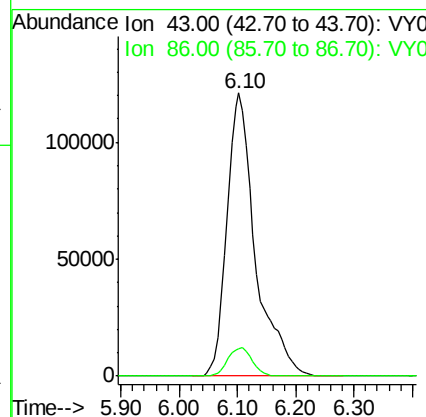
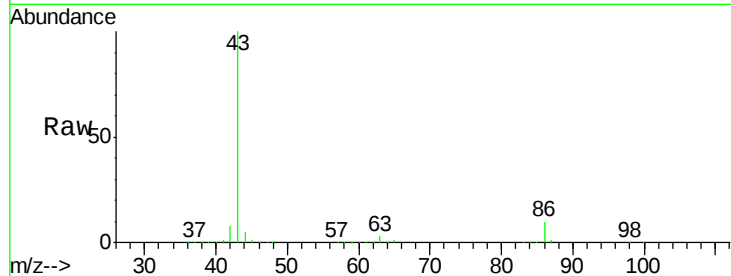
#23
 Vinyl Acetate
 Concen: 92.747 ug/l
 RT: 6.10 min Scan# 716
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0306SBS01

Tot Ion	43	Resp	411833
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.8	11.8

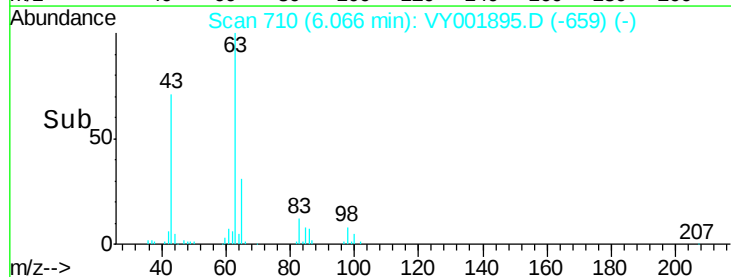
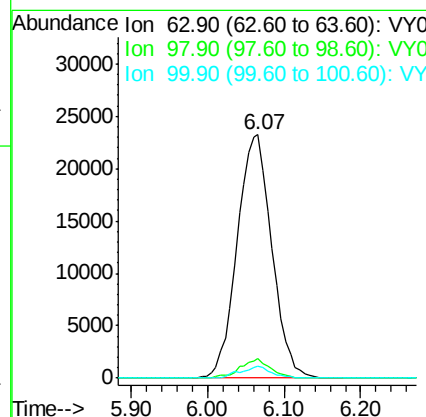
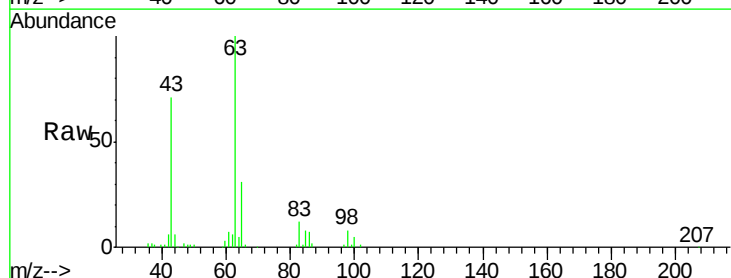
Manual Integrations
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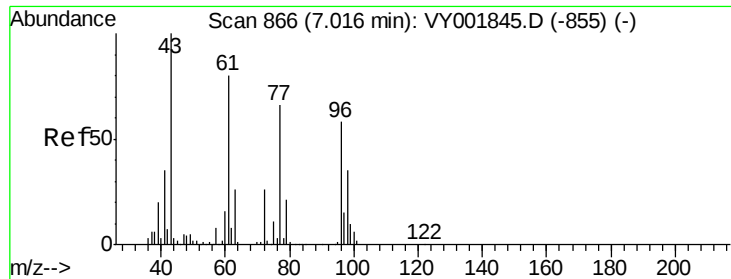
MMDadoda
 3/9/2020 11:41:04 AM



#24
 1,1-Dichloroethane
 Concen: 19.861 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	63	Resp	72849
Ion Ratio	Lower	Upper	
63	100		
98	8.2	3.4	10.2
100	4.7	2.0	6.0





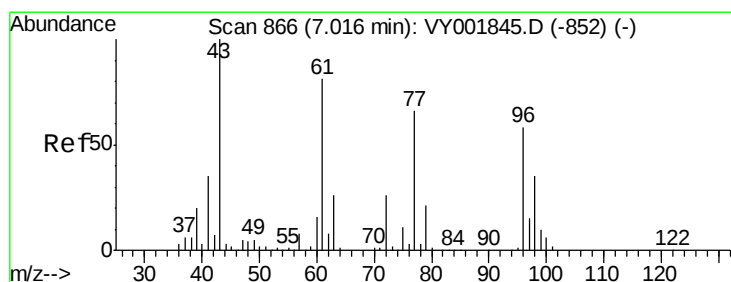
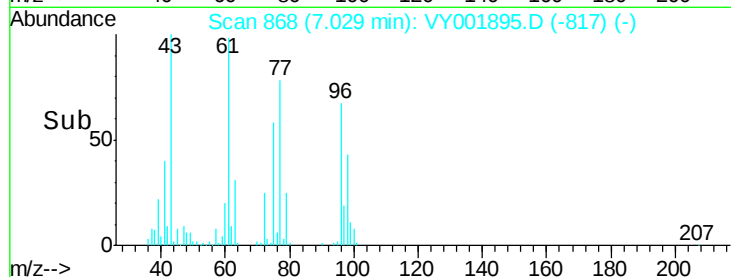
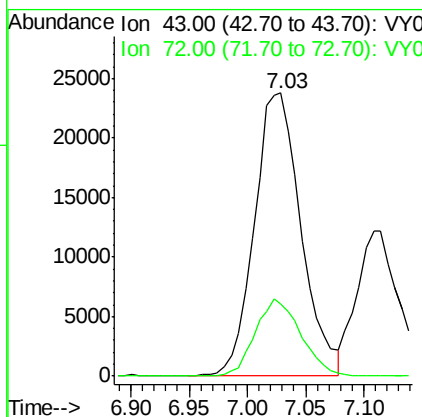
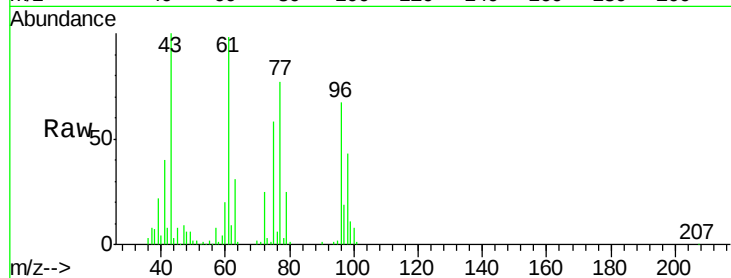
#25
2-Butanone
Concen: 83.691 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion: 43 Resp: 66343
Ion Ratio Lower Upper
43 100
72 25.4 20.9 31.3

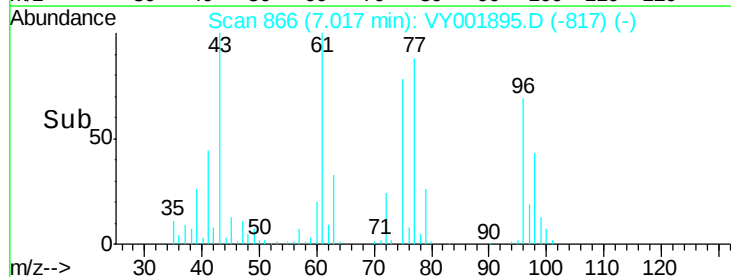
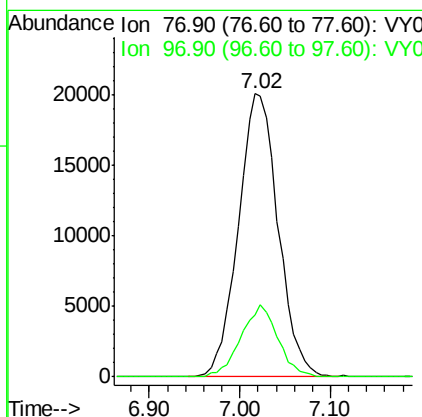
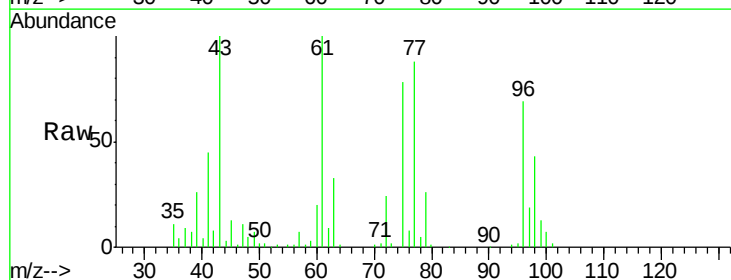
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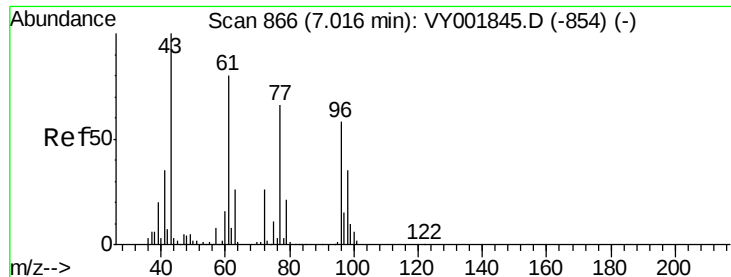
MMDadoda
3/9/2020 11:41:04 AM



#26
2,2-Dichloropropane
Concen: 20.203 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion: 77 Resp: 60823
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.7





#27

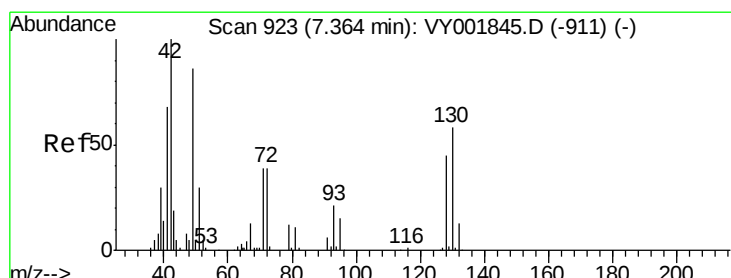
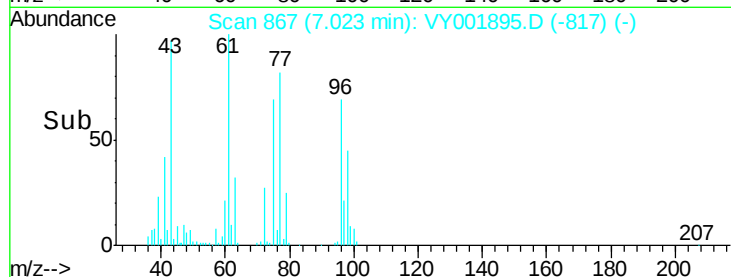
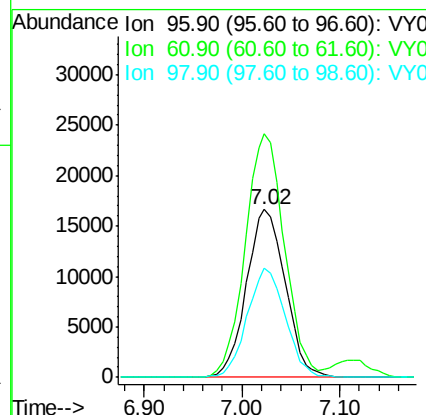
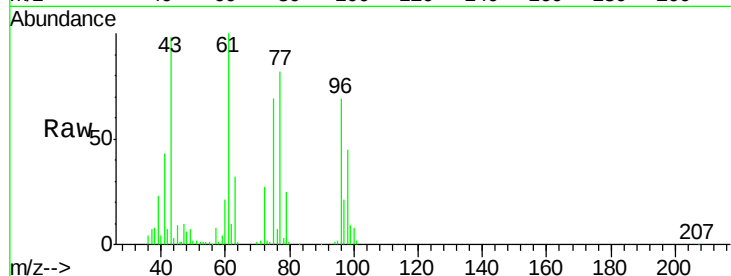
cis-1,2-Dichloroethene
Concen: 19.888 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	288.2
98	64.1	0.0	129.0

Manual Integrations
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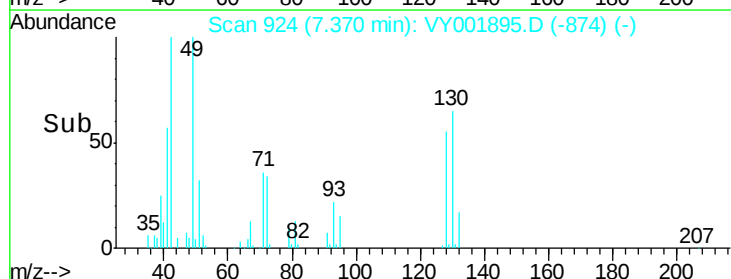
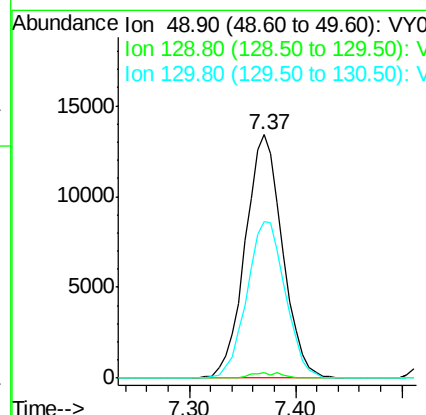
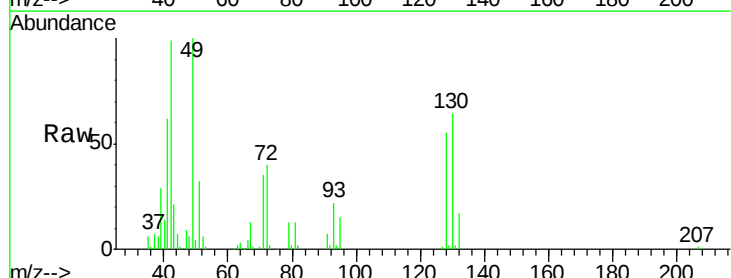
MMDadoda
3/9/2020 11:41:04 AM

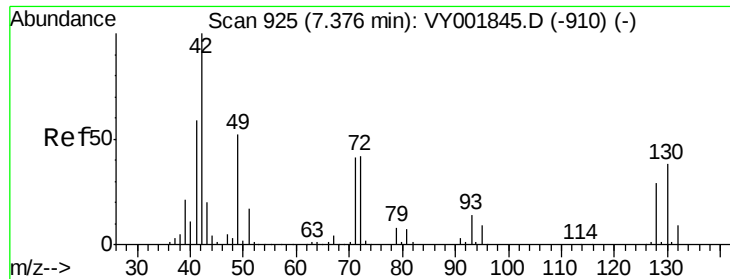


#28

Bromochloromethane
Concen: 19.916 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	66.2	54.4	81.6





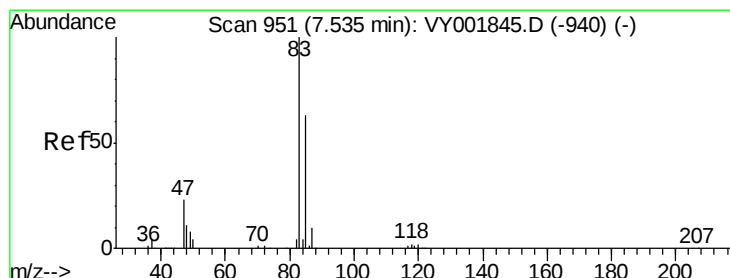
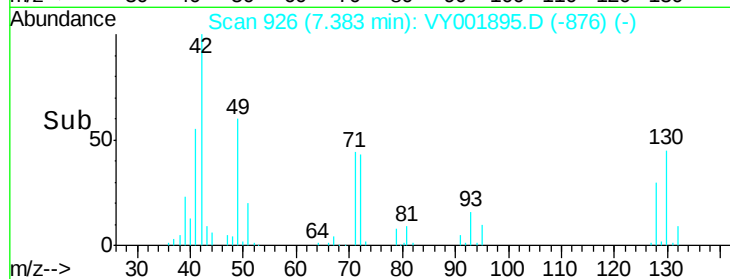
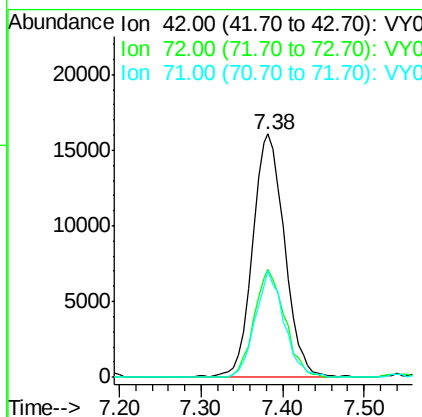
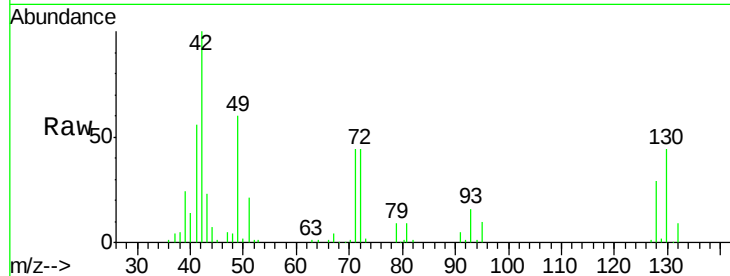
#29
Tetrahydrofuran
Concen: 83.448 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.5	50.3
71	39.7	31.3	46.9

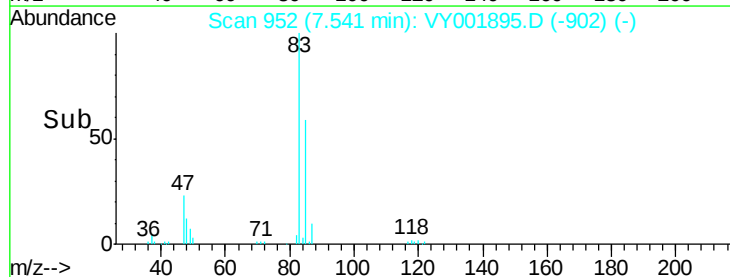
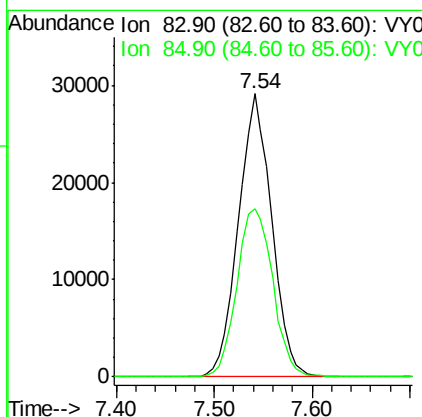
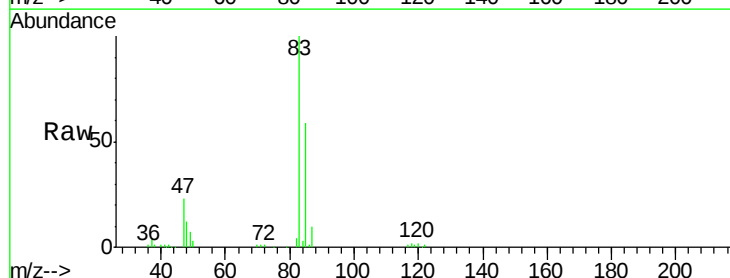
Manual Integrations
APPROVED

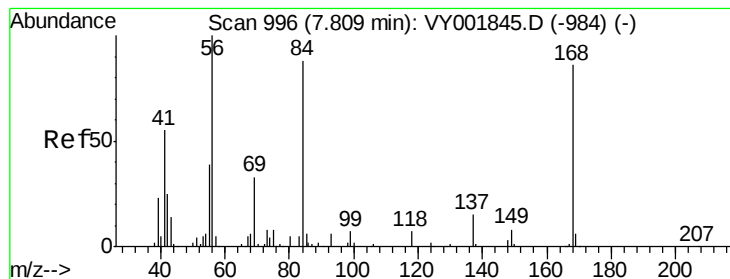
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#30
Chloroform
Concen: 19.938 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.7	76.1





#31

Cvclohexane

Concen: 19.402 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

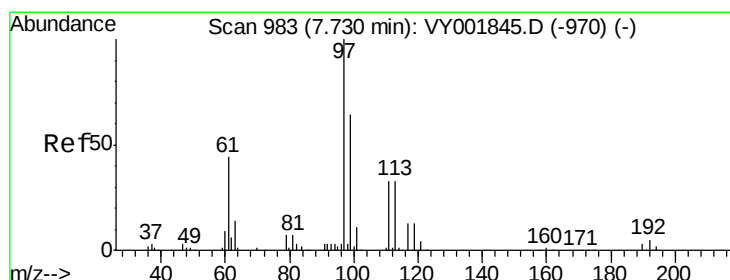
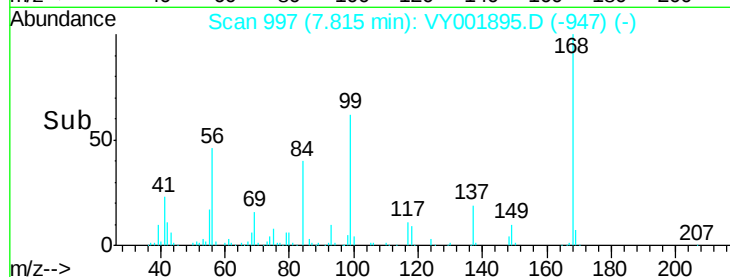
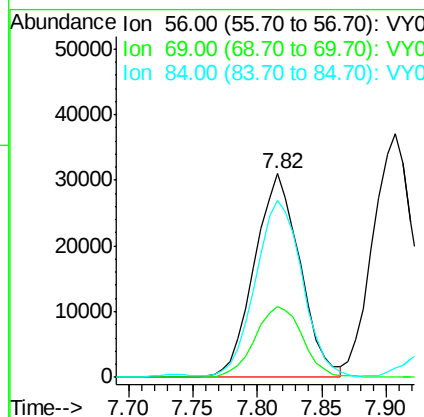
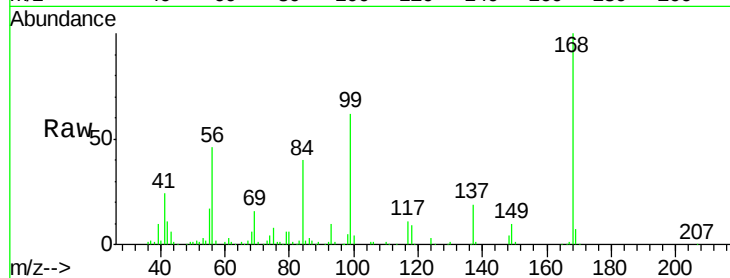
ClientSampleId :

VY0306SBSD01

Tot Ion:	56	Resp:	76307
Ion Ratio	Lower	Upper	
56	100		
69	34.5	26.7	40.1
84	85.8	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.744 ug/l

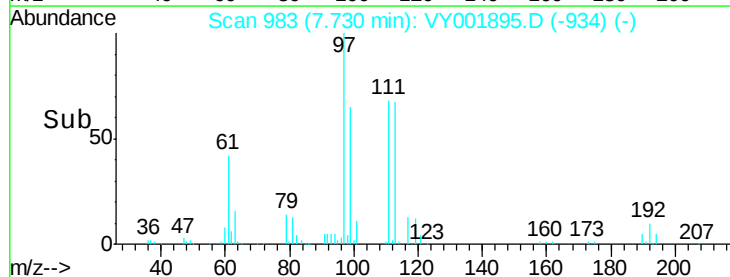
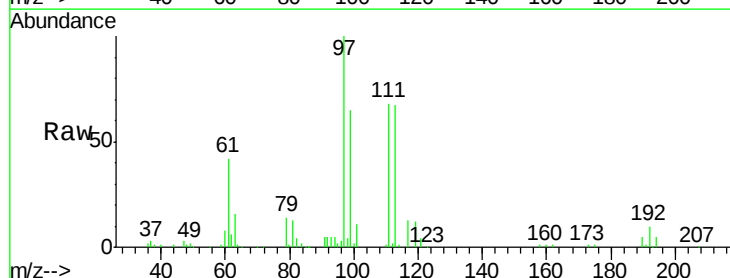
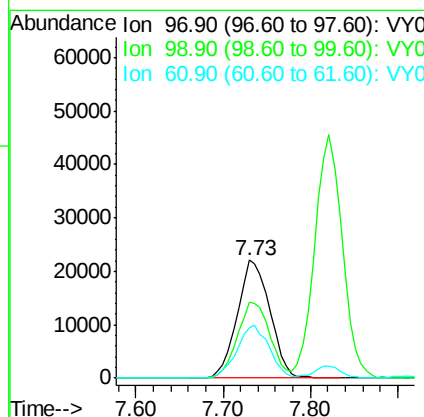
RT: 7.73 min Scan# 983

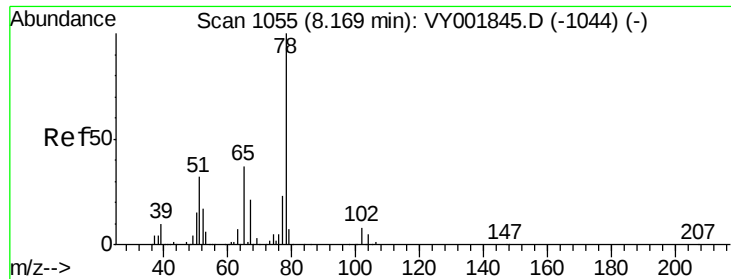
Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	97	Resp:	57348
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	44.0	35.0	52.4





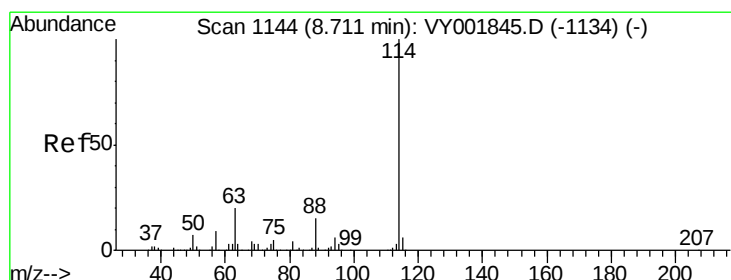
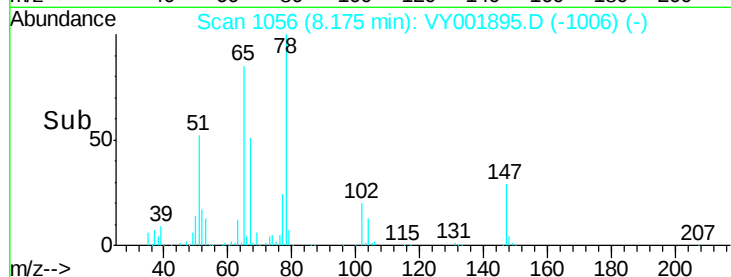
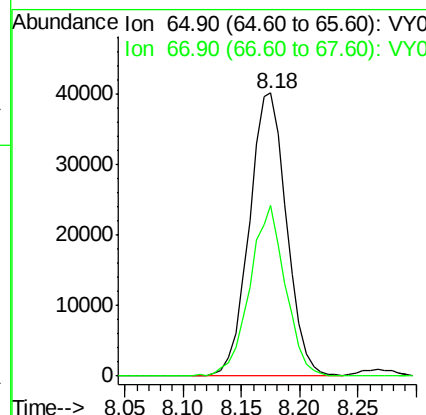
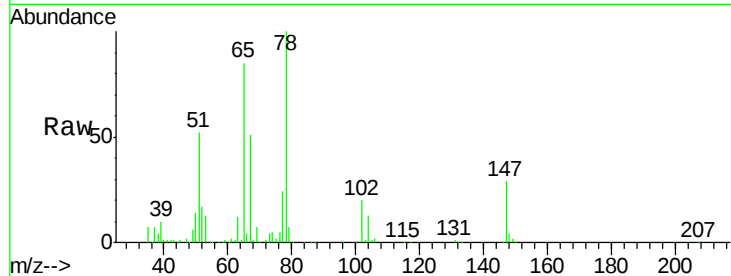
#33
 1,2-Dichloroethane-d4
 Concen: 50.009 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89503		
67	57.5	0.0	110.8	

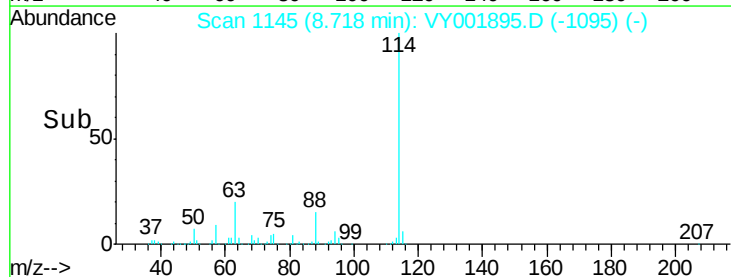
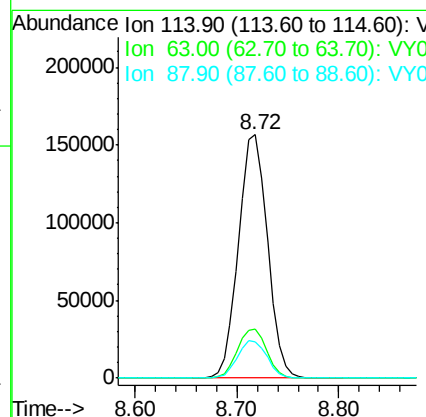
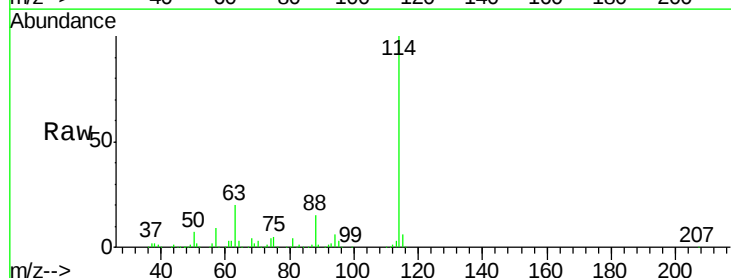
Manual Integrations
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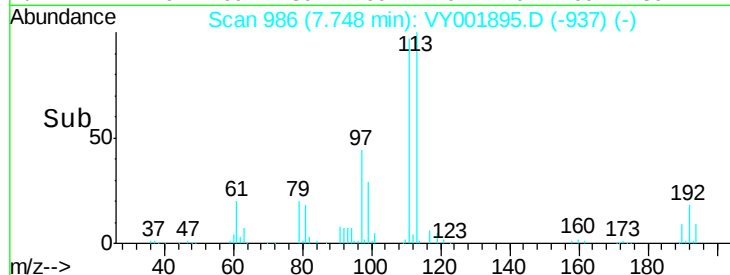
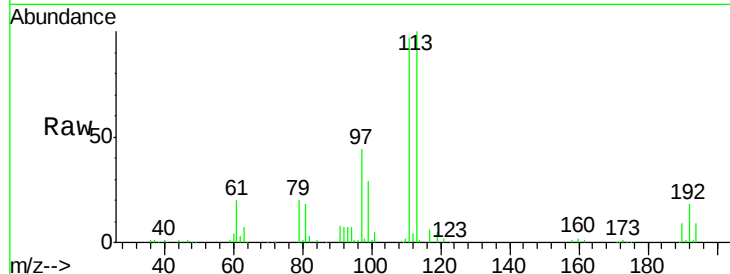
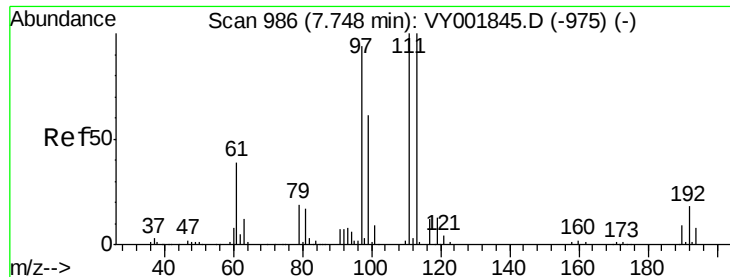
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 3/9/2020 11:41:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308276		
63	20.2	0.0	39.4	
88	15.1	0.0	30.4	





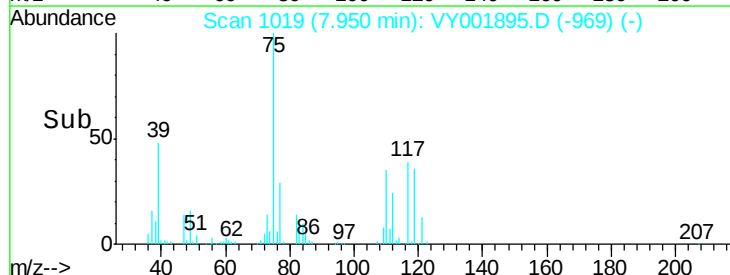
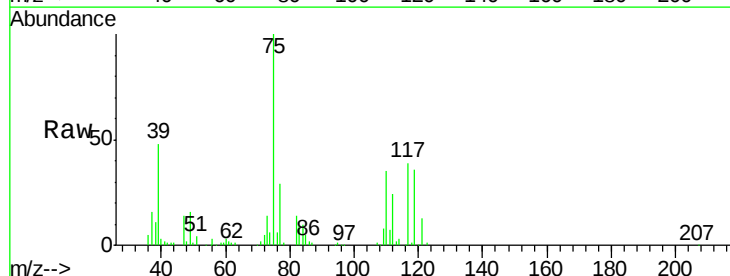
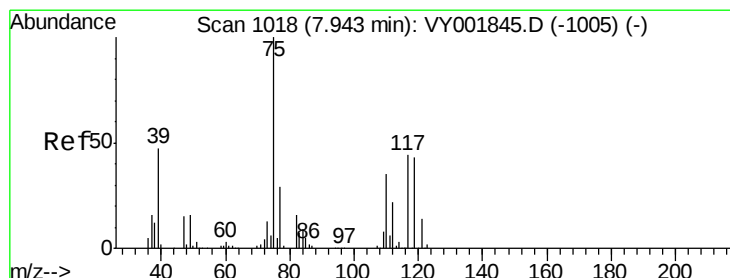
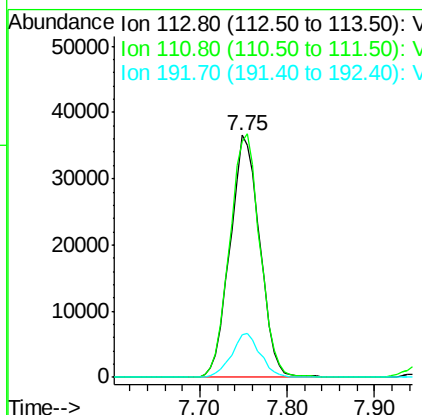
#35
Dibromofluoromethane
Concen: 51.345 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86430		
111	102.6		81.8	122.8
192	17.7		14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

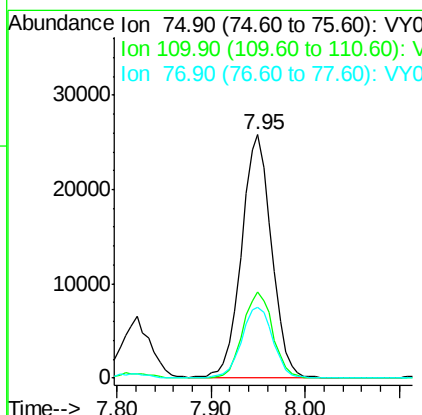
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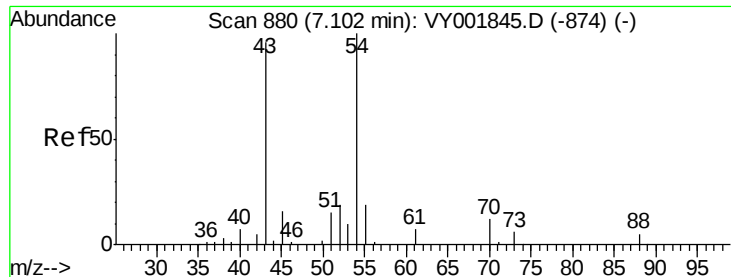
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3/9/2020 11:41:04 AM



#36
1,1-Dichloropropene
Concen: 19.513 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57885		
110	35.0		17.4	52.2
77	30.3		24.2	36.2





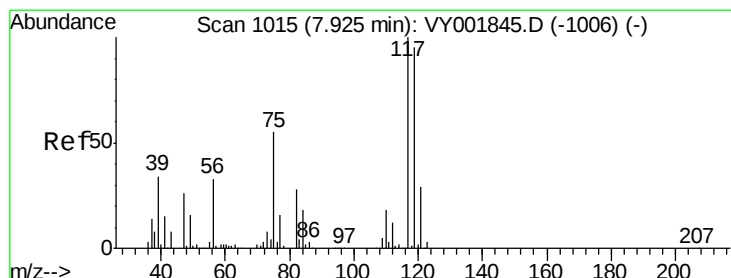
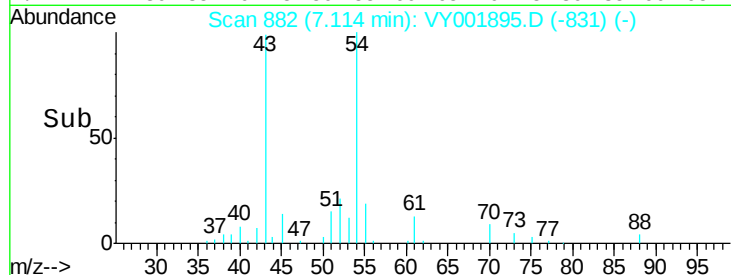
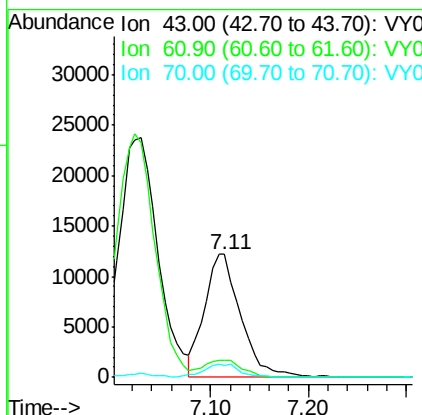
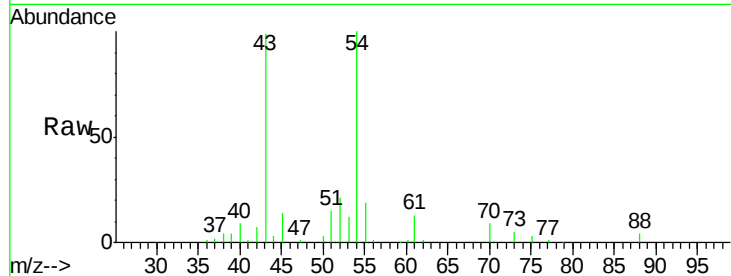
#37
Ethyl Acetate
Concen: 18.249 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.1	16.7
70	10.8	8.2	12.4

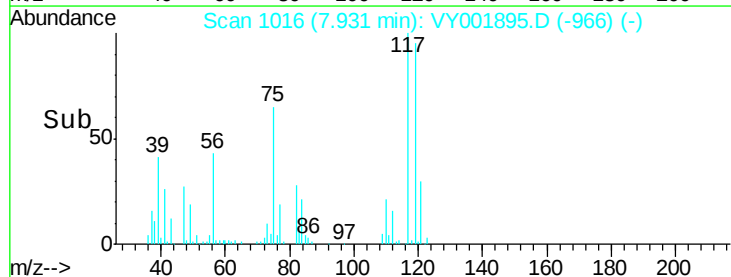
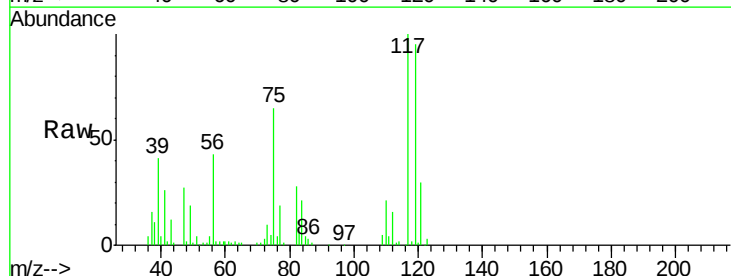
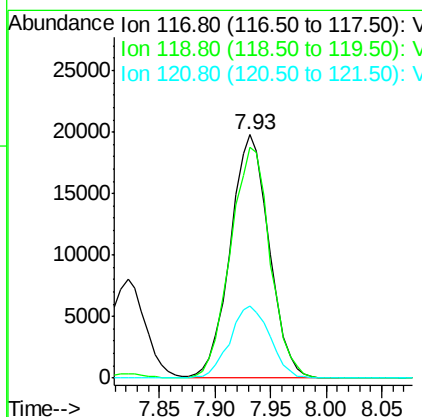
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#38
Carbon Tetrachloride
Concen: 18.898 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
121	29.5	23.5	35.3





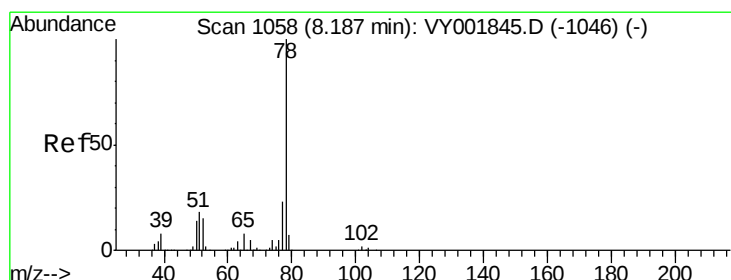
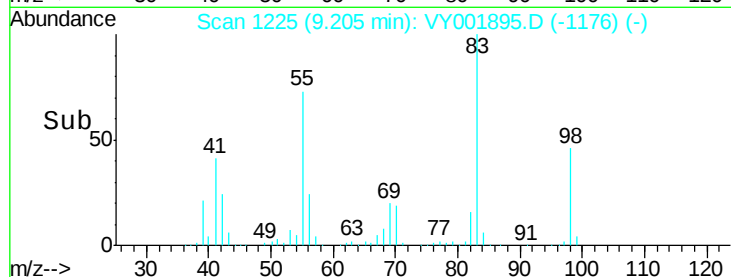
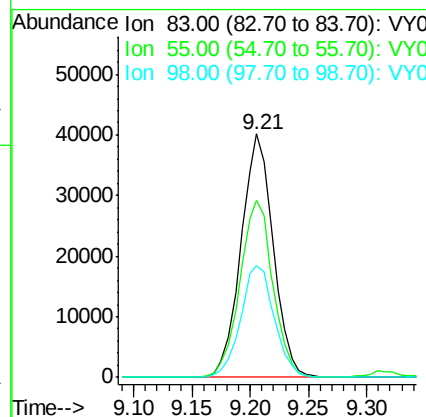
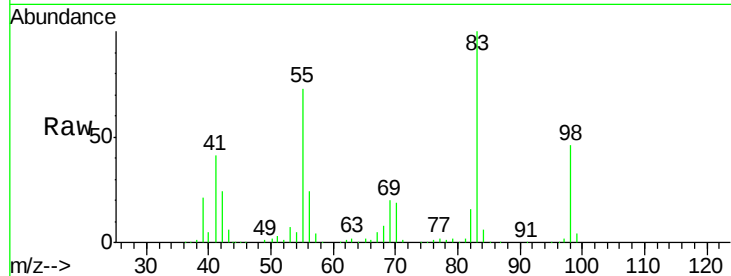
#39
Methvlcvclohexane
Concen: 19.656 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	59.4	89.0
98	45.8	38.9	58.3

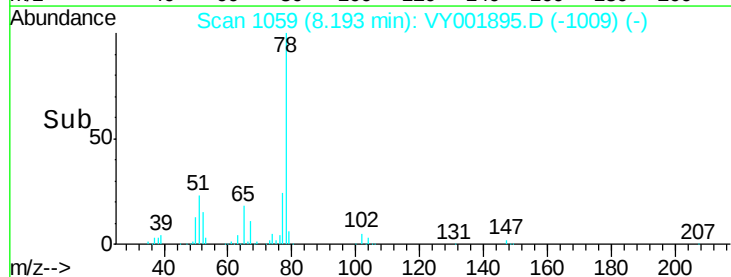
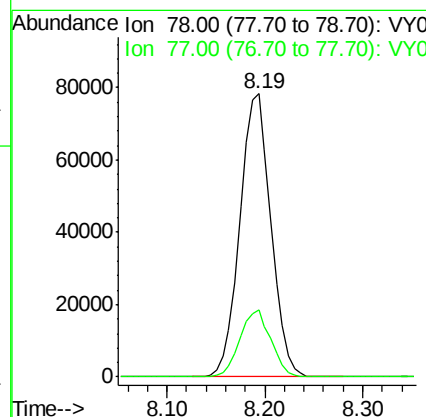
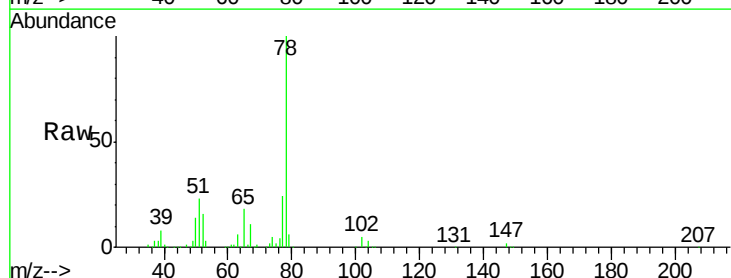
Manual Integrations
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#40
Benzene
Concen: 19.603 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





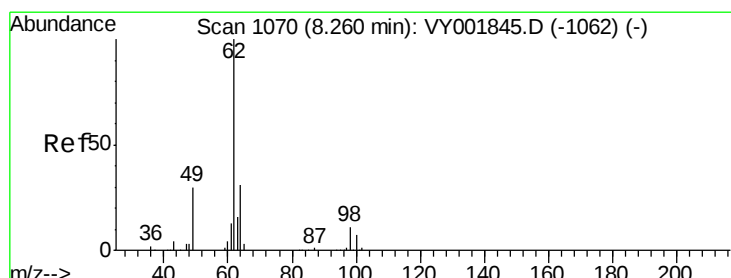
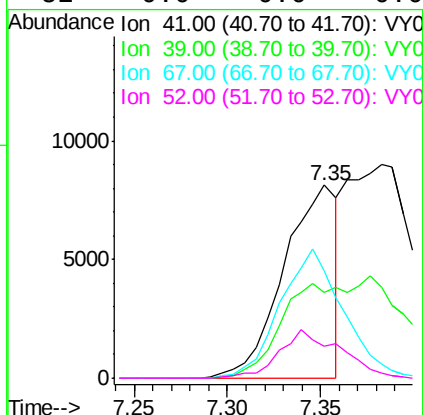
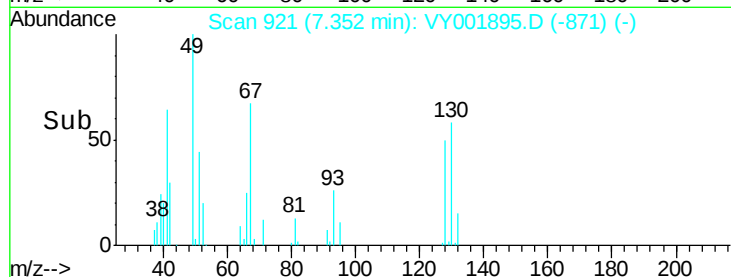
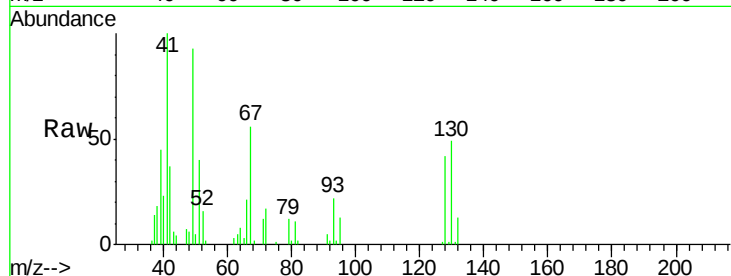
#41
Methacrylonitrile
Concen: 21.085 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Tot Ion	41	Resp	16361
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

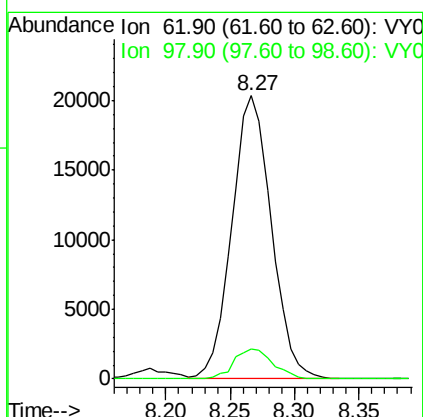
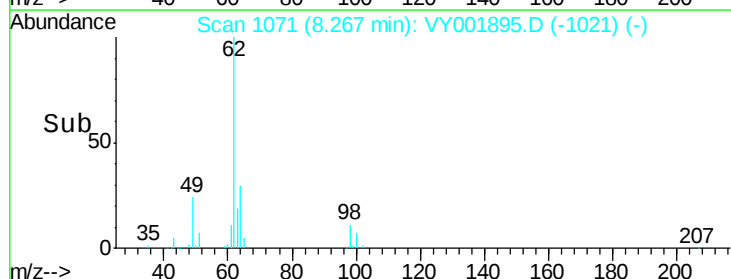
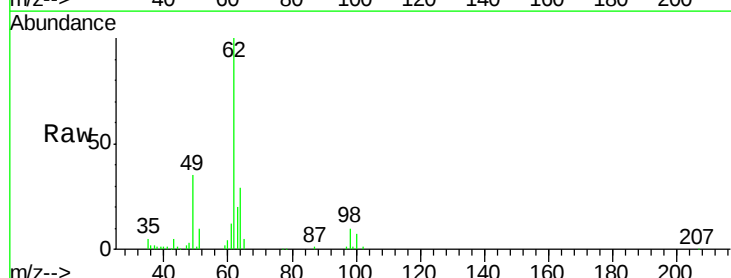
Manual Integrations
APPROVED

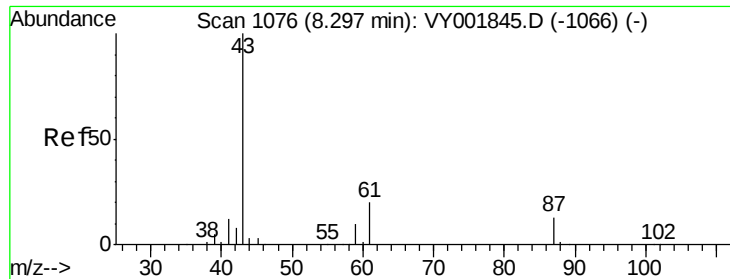
MMDadoda
3/9/2020 11:41:04 AM



#42
1,2-Dichloroethane
Concen: 19.105 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	62	Resp	43288
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	21.4





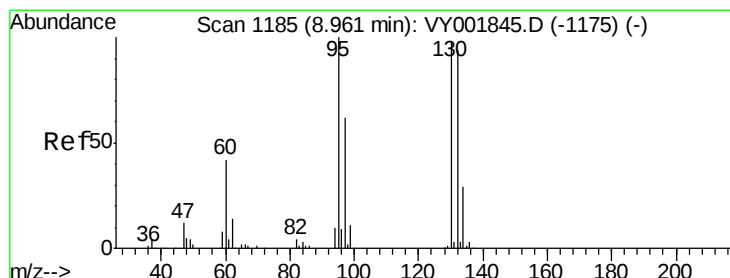
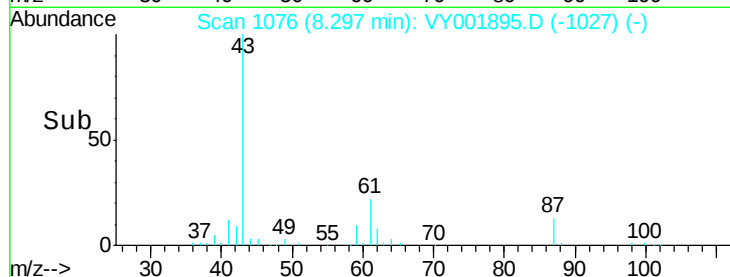
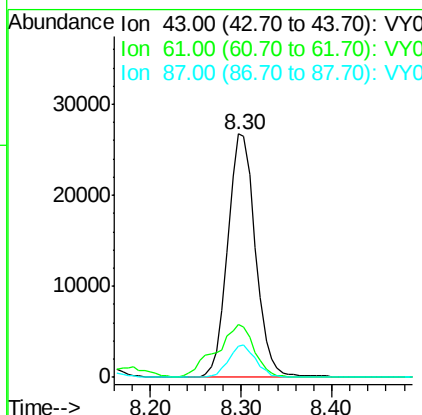
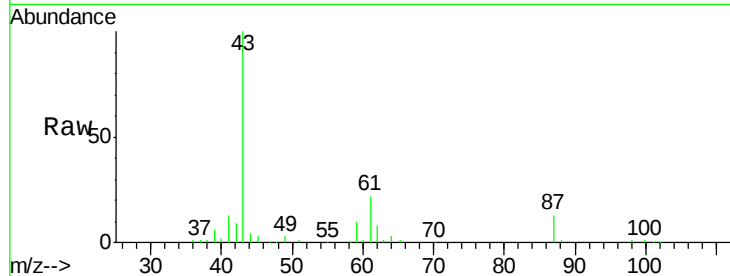
#43
Isopropyl Acetate
Concen: 17.393 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	43	61	87
Resp	56778		
Ratio	100	29.5	12.9
Lower		23.8	10.9
Upper		35.6	16.3

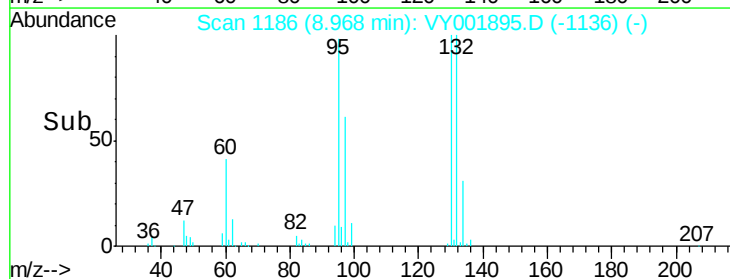
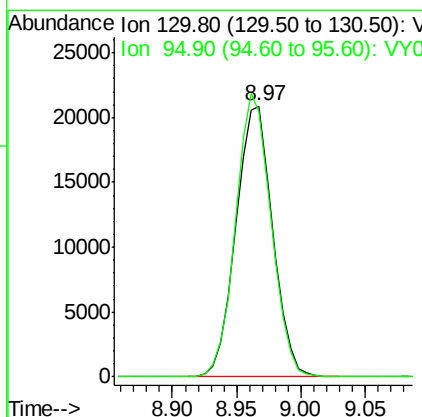
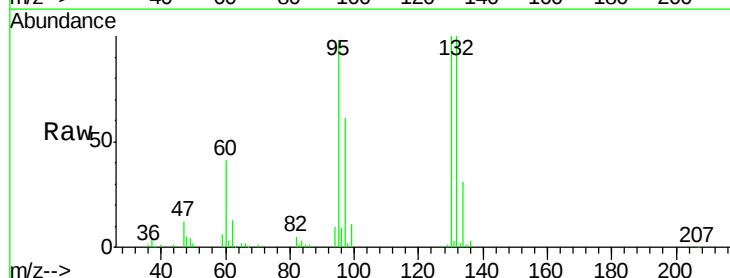
Manual Integrations
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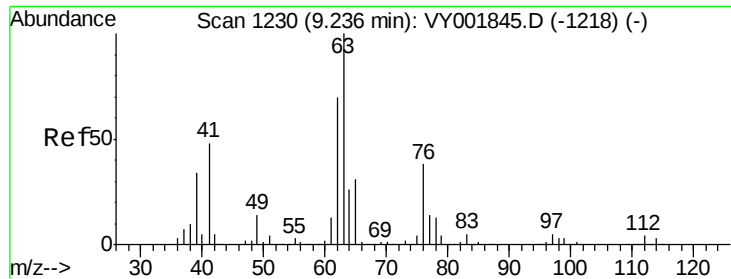
MMDadoda
3/9/2020 11:41:04 AM



#44
Trichloroethene
Concen: 19.222 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	130	132	95
Resp	41163		
Ratio	100	97.9	0.0
Lower		0.0	0.0
Upper		204.6	





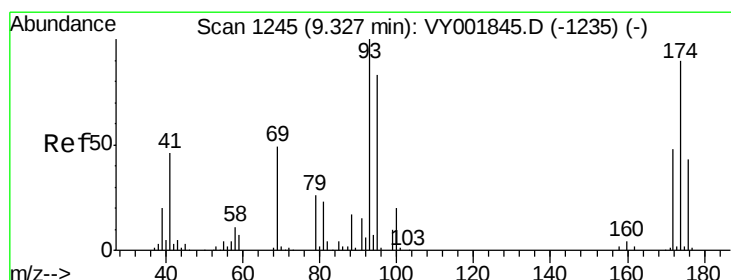
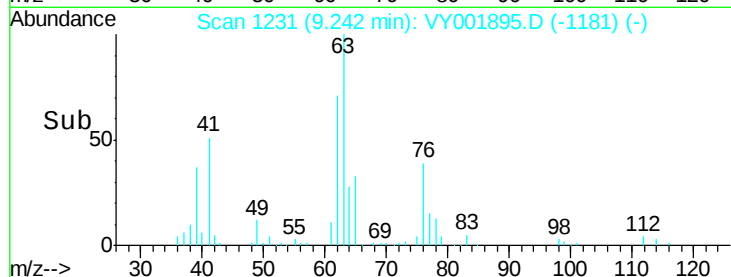
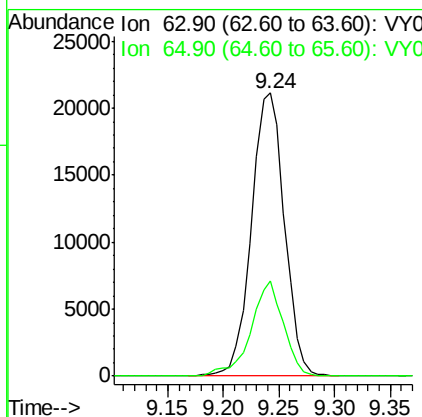
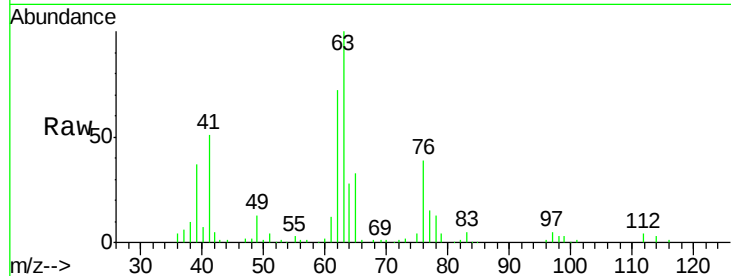
#45
 1,2-Dichloropropane
 Concen: 19.765 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Tot Ion: 63 Resp: 43687
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.9 37.3

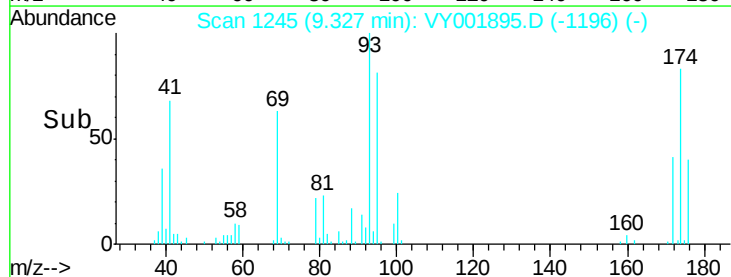
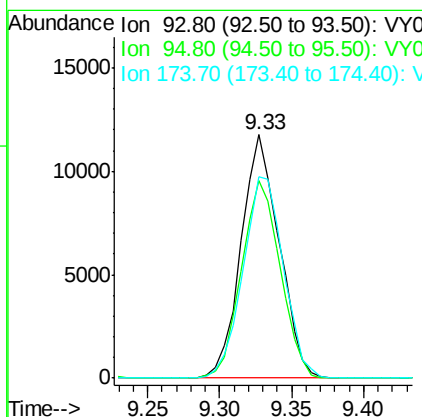
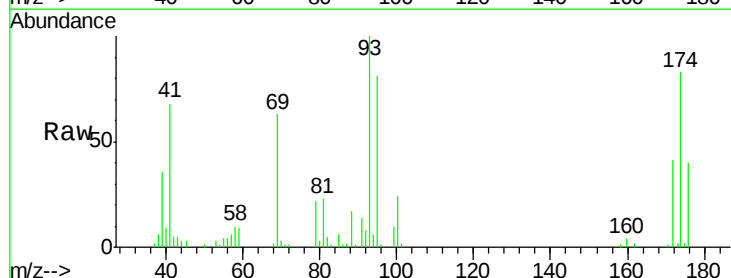
Manual Integrations
 APPROVED

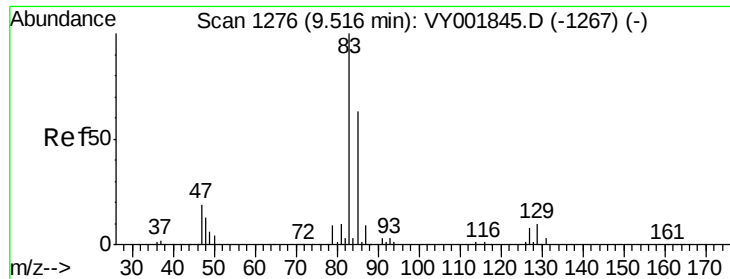
MMDadoda
 3/9/2020 11:41:04 AM



#46
 Dibromomethane
 Concen: 18.873 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion: 93 Resp: 21497
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.4
 174 87.8 71.8 107.8





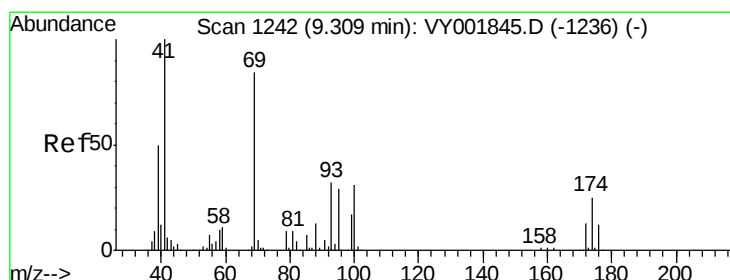
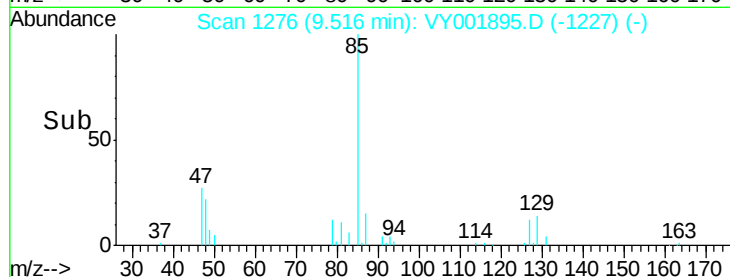
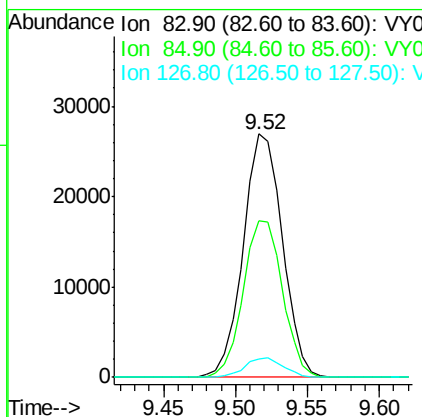
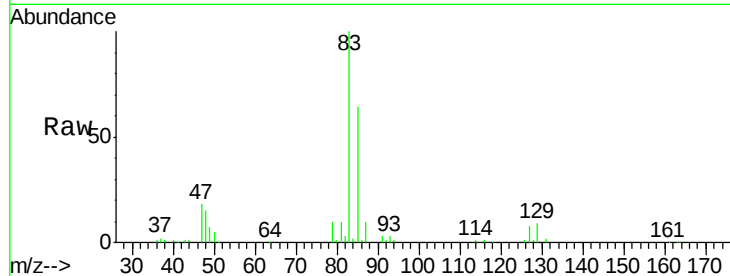
#47
Bromodichloromethane
Concen: 19.136 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	83	Resp	50705
Ion Ratio	100		
85	64.3	50.6	76.0
127	7.8	6.2	9.4

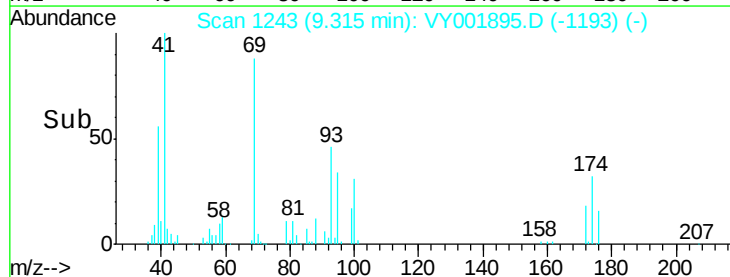
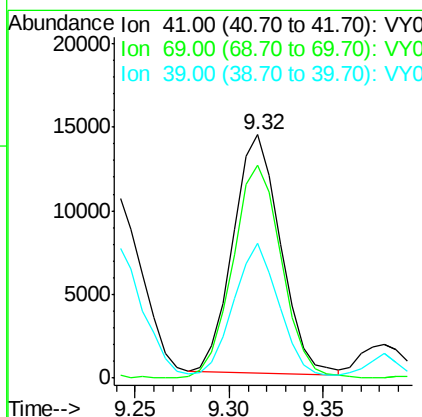
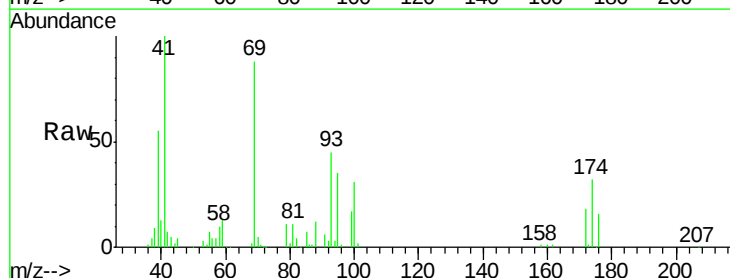
Manual Integrations
APPROVED

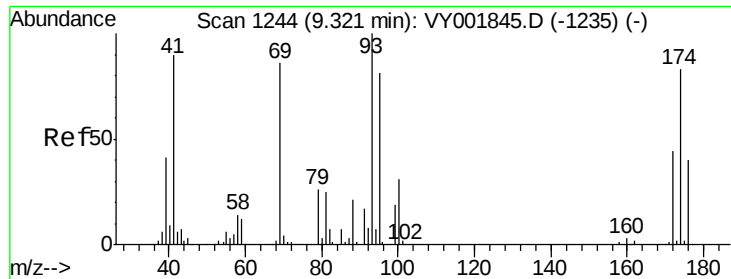
MMDadoda
3/9/2020 11:41:04 AM



#48
Methyl methacrylate
Concen: 17.177 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	41	Resp	24880
Ion Ratio	100		
69	92.1	69.0	103.6
39	52.5	39.1	58.7





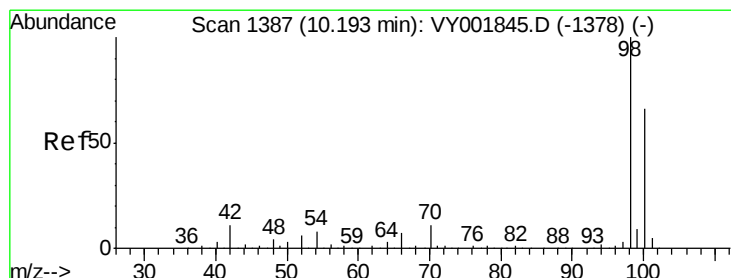
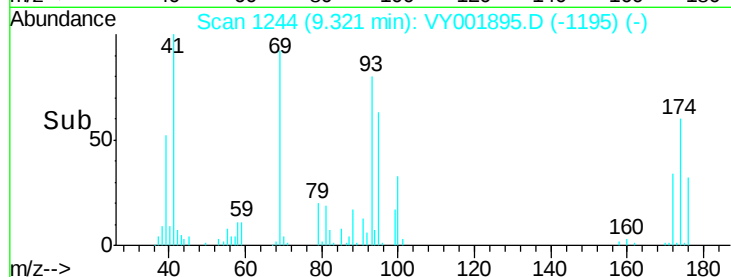
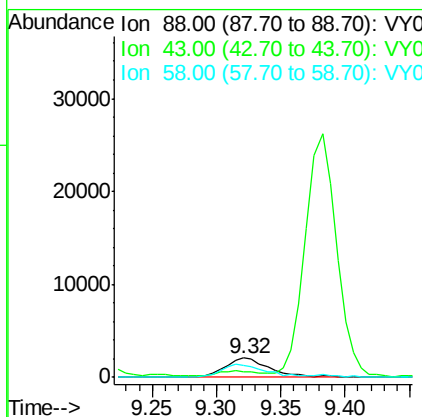
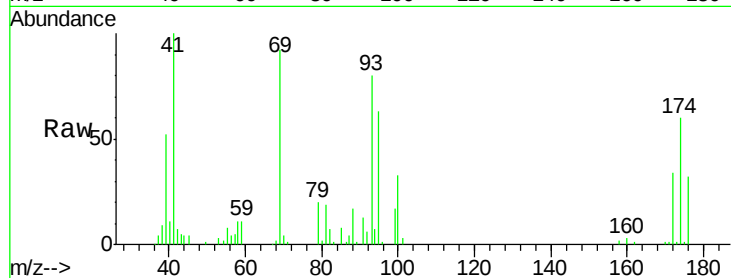
#49
1,4-Dioxane
Concen: 321.760 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.0	37.6#
58	67.0	58.9	88.3

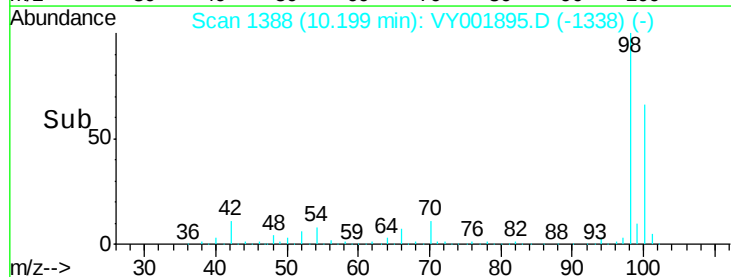
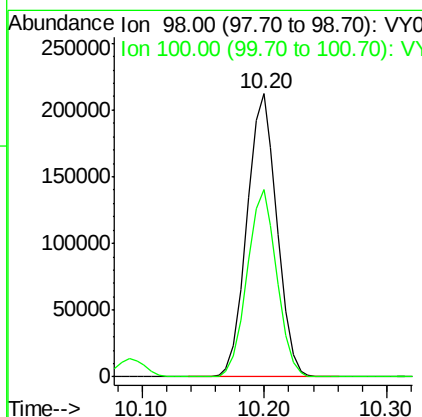
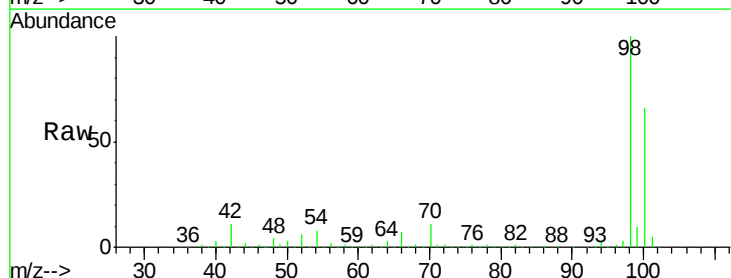
Manual Integrations
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3/9/2020 11:41:04 AM



#50
Toluene-d8
Concen: 50.827 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 90.318 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion: 43 Resp: 151858

Ion Ratio Lower Upper

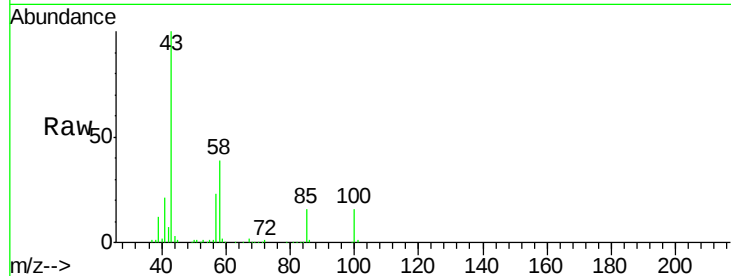
43 100

58 39.4 32.0 48.0

Manual Integrations
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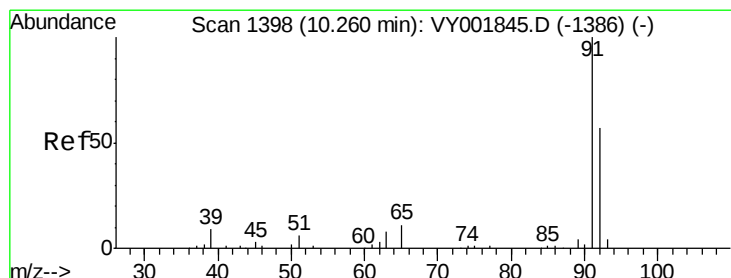
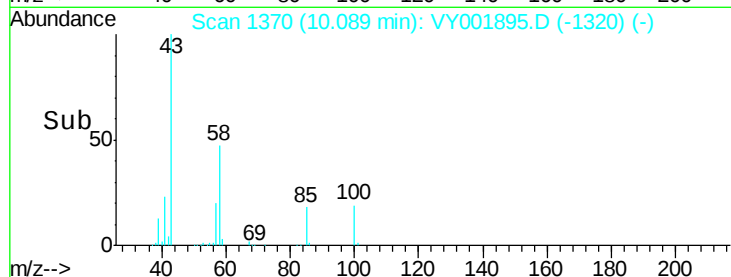
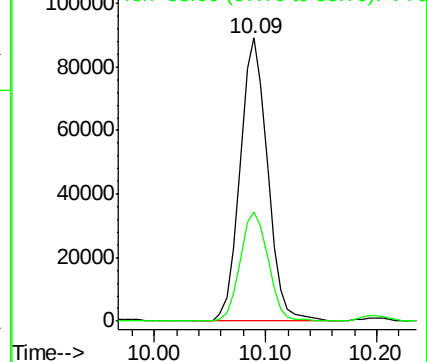
MMDadoda

3/9/2020 11:41:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.558 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001895.D

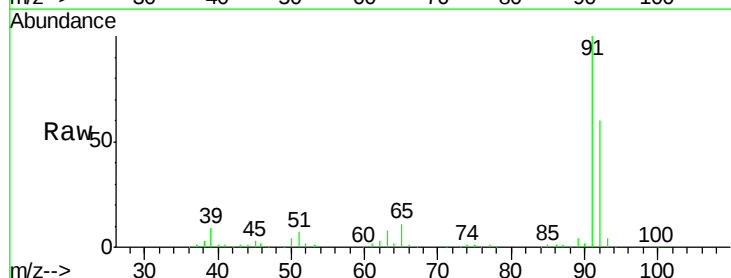
Acq: 06 Mar 2020 12:41

Tgt Ion: 92 Resp: 104468

Ion Ratio Lower Upper

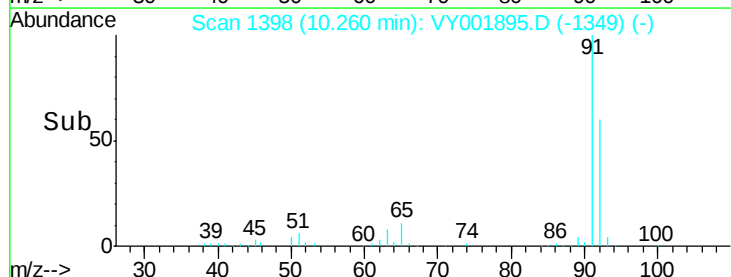
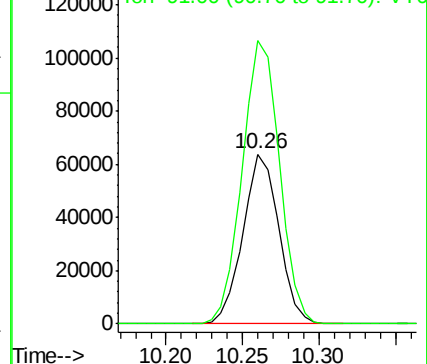
92 100

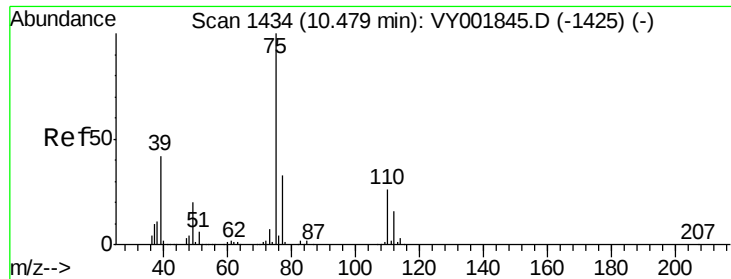
91 173.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





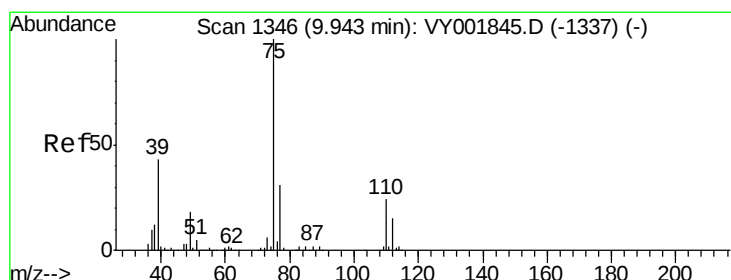
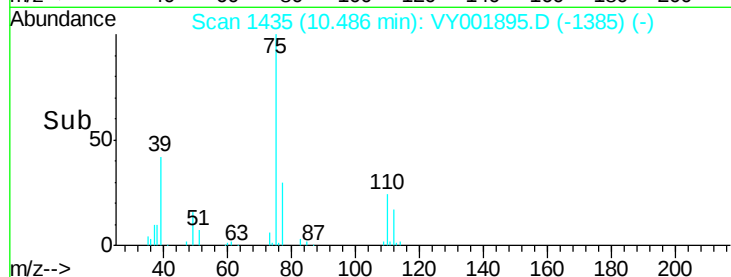
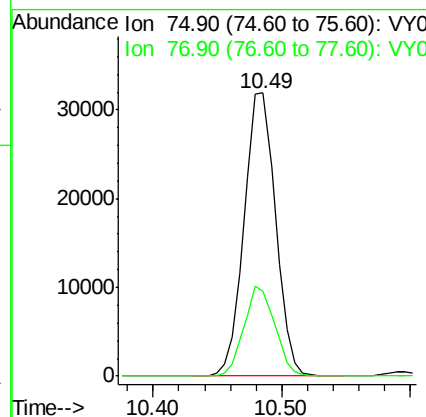
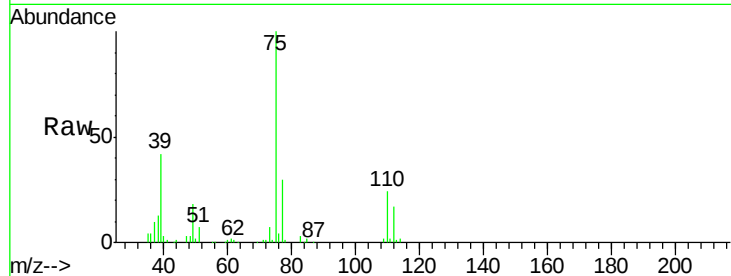
#53
t-1,3-Dichloropropene
Concen: 18.687 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampled :
VY0306SBS01

Tot Ion: 75 Resp: 53946
Ion Ratio Lower Upper
75 100
77 30.2 26.3 39.5

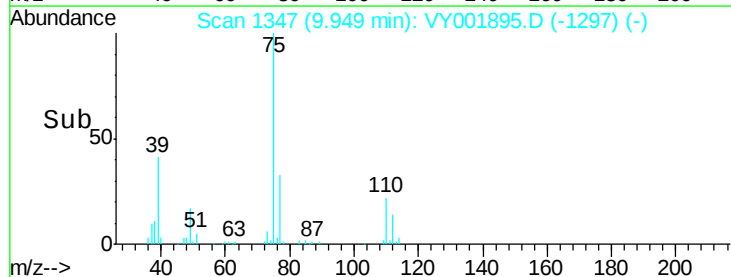
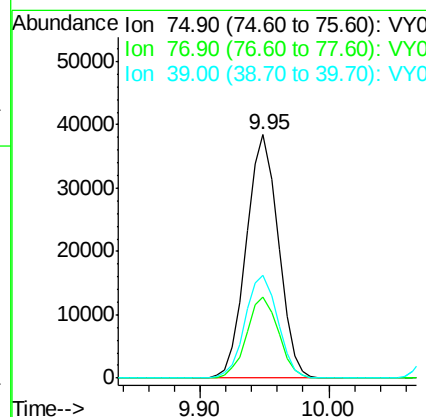
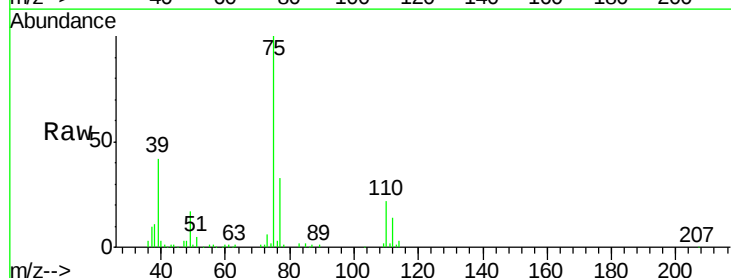
Manual Integrations
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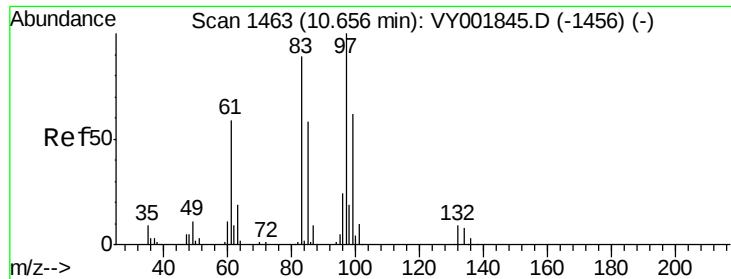
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3/9/2020 11:41:04 AM



#54
cis-1,3-Dichloropropene
Concen: 19.243 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion: 75 Resp: 66130
Ion Ratio Lower Upper
75 100
77 33.5 25.1 37.7
39 42.3 34.7 52.1





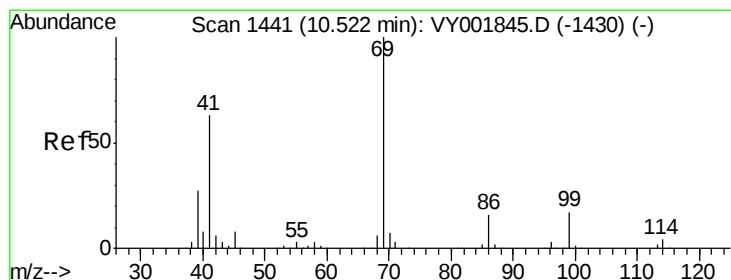
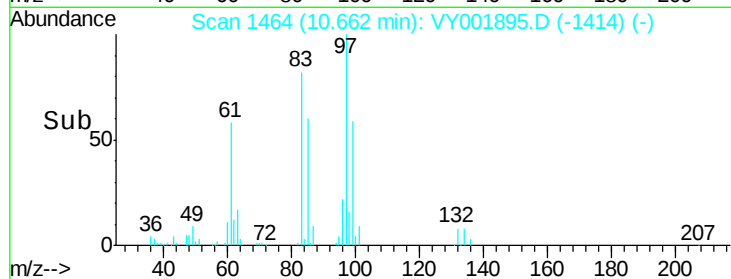
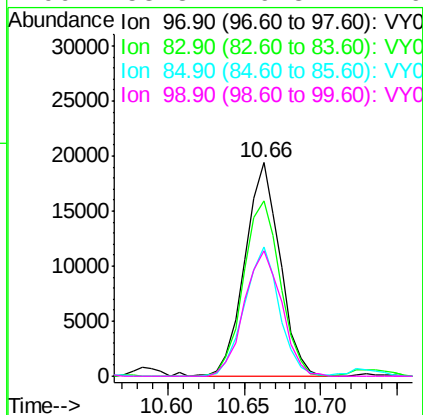
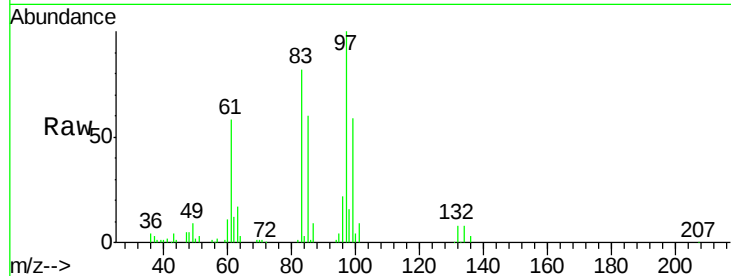
#55
 1,1,2-Trichloroethane
 Concen: 18.579 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.3	71.6	107.4	
85	60.5	46.6	69.8	
99	58.8	49.8	74.6	

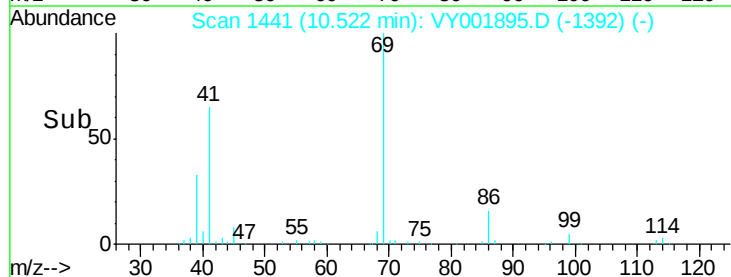
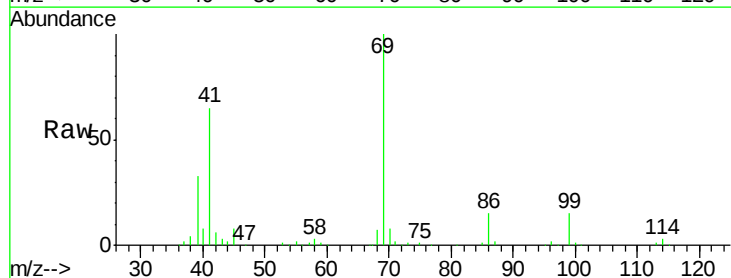
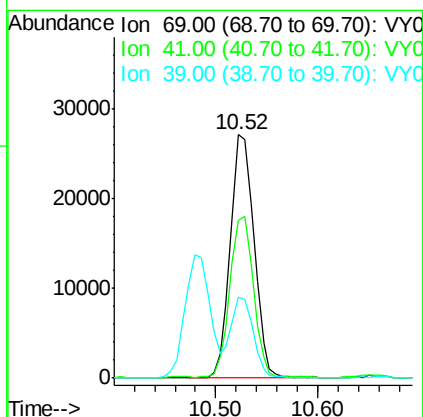
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#56
 Ethyl methacrylate
 Concen: 17.884 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.0	49.9	74.9	
39	31.8	23.0	34.6	





#57

1,3-Dichloropropane

Concen: 18.580 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion: 76 Resp: 55210

Ion Ratio Lower Upper

76 100

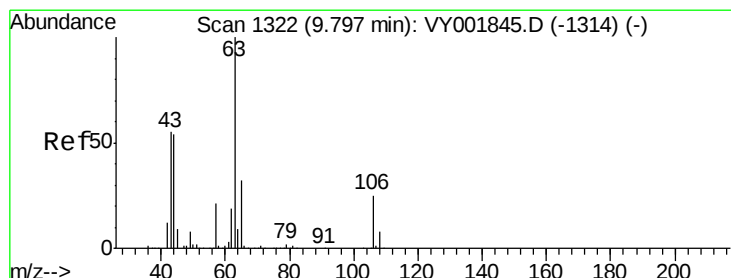
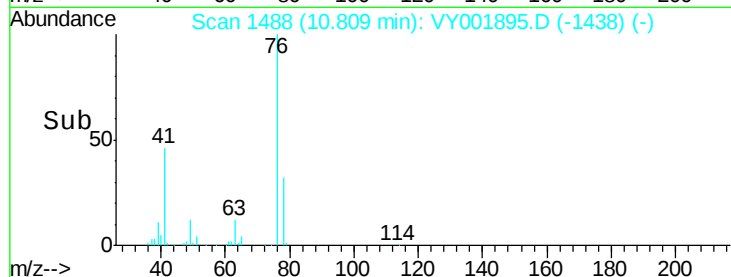
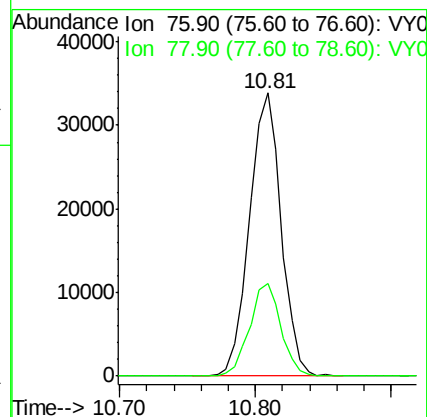
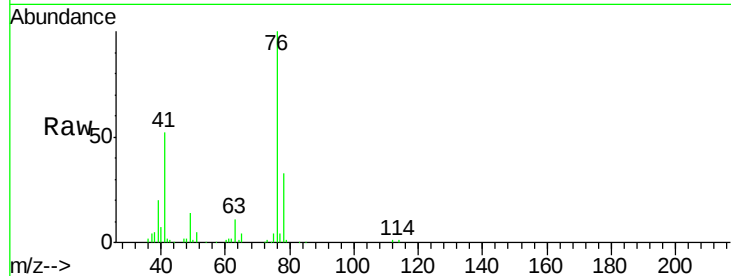
78 32.4 25.8 38.6

Manual Integrations

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MMDadoda

3/9/2020 11:41:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 121.371 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001895.D

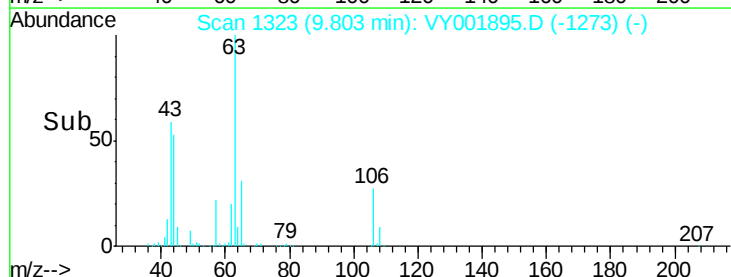
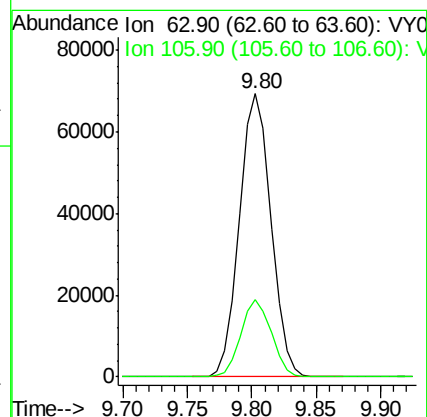
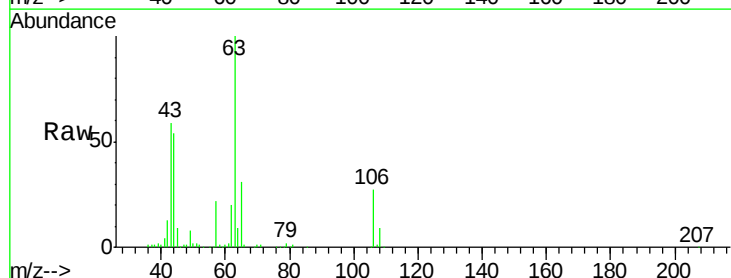
Acq: 06 Mar 2020 12:41

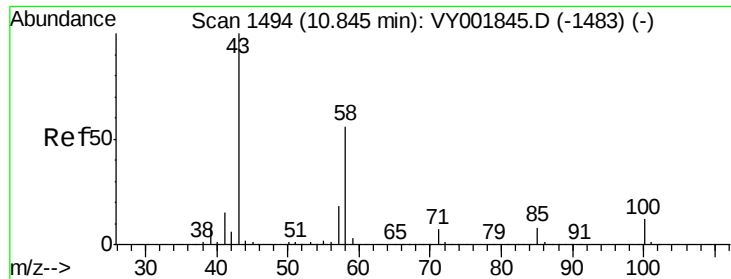
Tgt Ion: 63 Resp: 117798

Ion Ratio Lower Upper

63 100

106 26.4 21.3 31.9





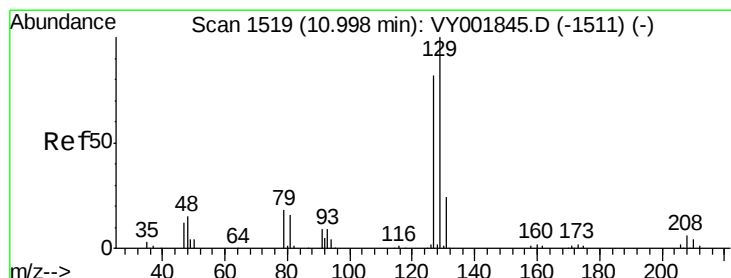
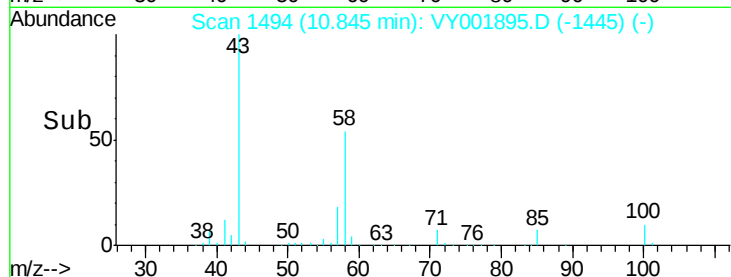
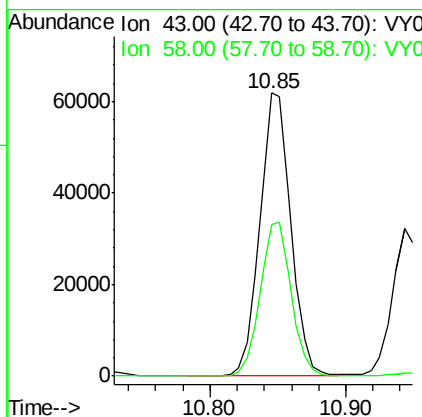
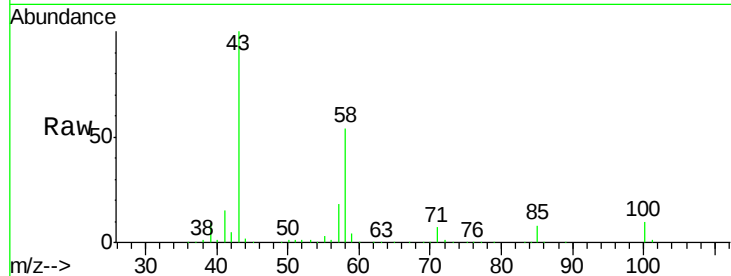
#59
2-Hexanone
Concen: 82.461 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion: 43 Resp: 98960
Ion Ratio Lower Upper
43 100
58 54.8 28.1 84.3

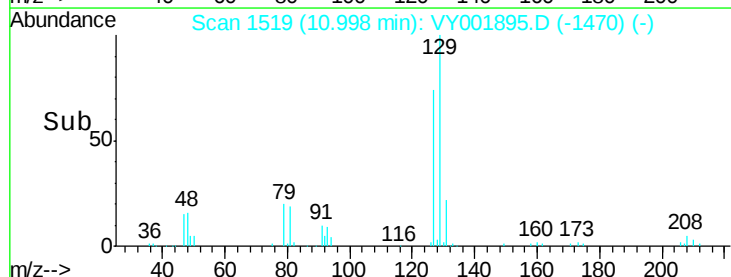
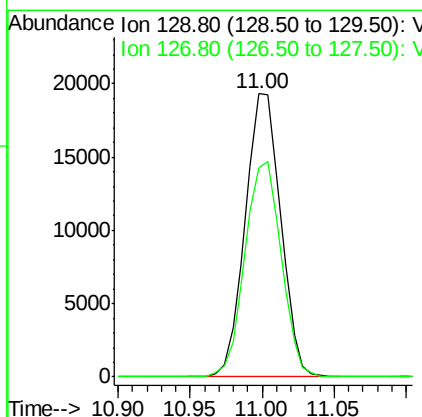
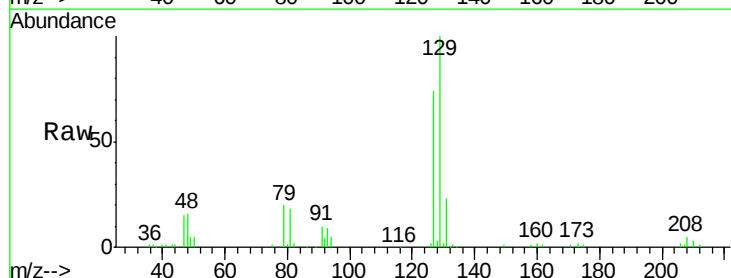
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.768 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion: 129 Resp: 32967
Ion Ratio Lower Upper
129 100
127 77.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 18.343 ug/l

RT: 11.11 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBSD01

Tot Ion: 107 Resp: 28964

Ion Ratio Lower Upper

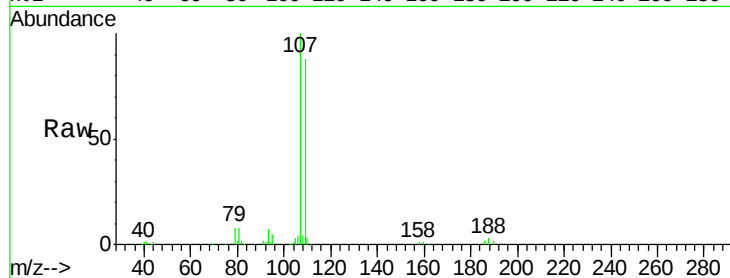
107 100

109 93.0 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.11

20000

15000

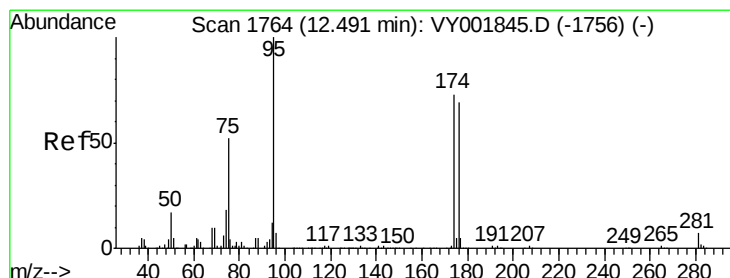
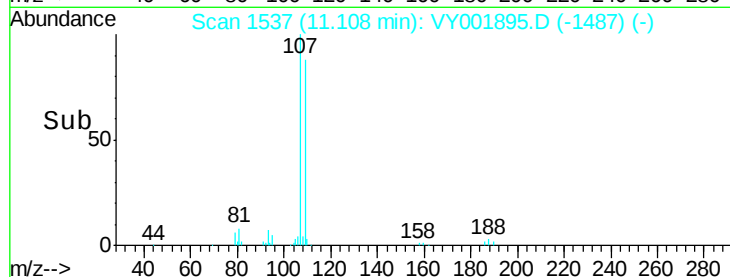
10000

5000

0

Time-->

11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 49.881 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

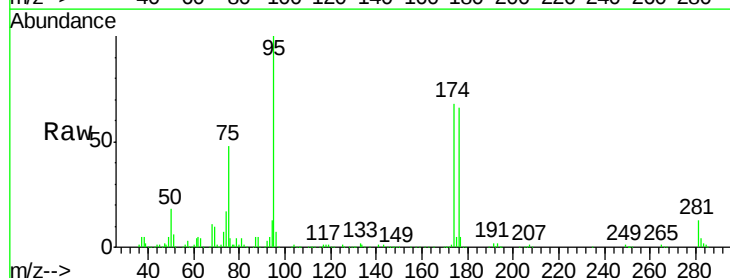
Tgt Ion: 95 Resp: 123114

Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.0

176 68.9 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

100000

80000

60000

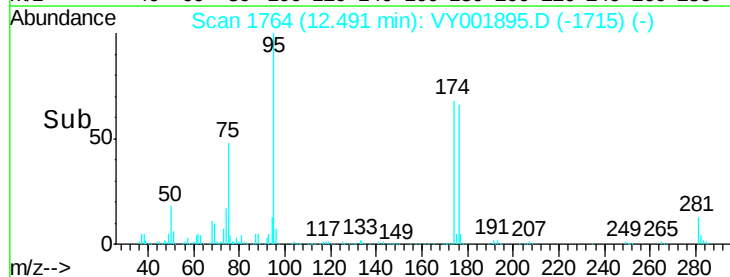
40000

20000

0

Time-->

12.40 12.45 12.50 12.55





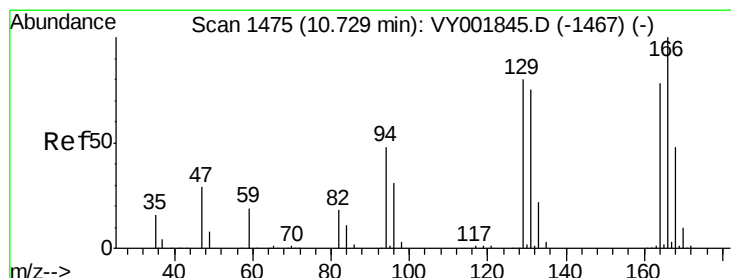
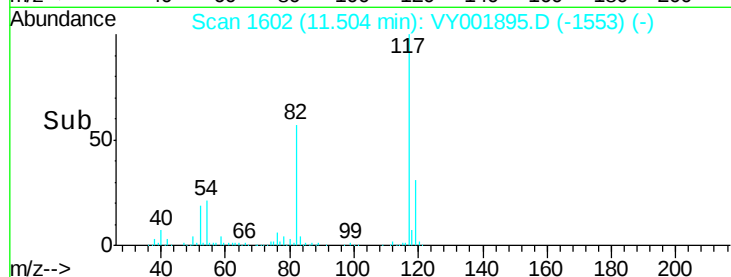
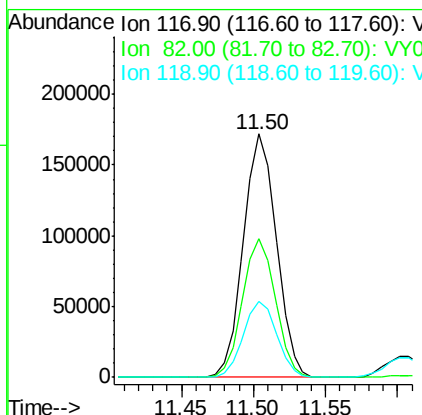
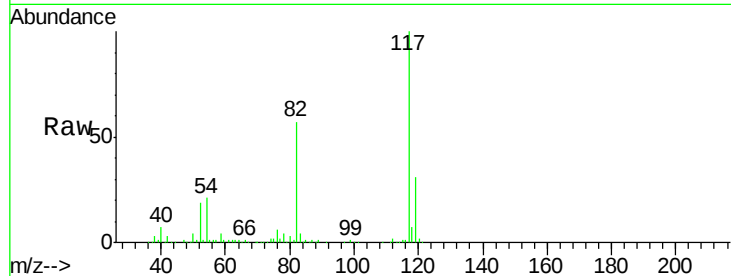
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	273153		
82	56.7	44.5	66.7	
119	31.2	25.7	38.5	

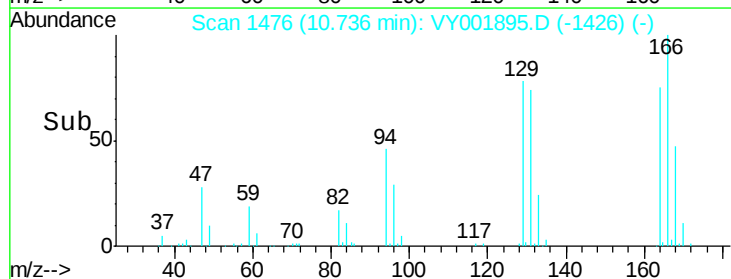
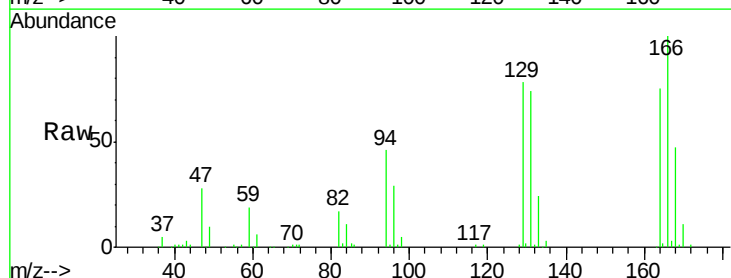
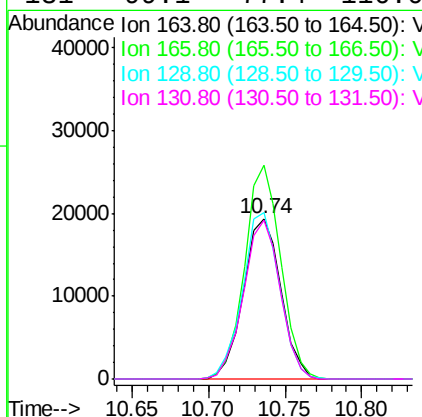
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#64
Tetrachloroethene
Concen: 19.314 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33084		
166	133.3	102.6	154.0	
129	103.6	82.3	123.5	
131	99.1	77.4	116.0	





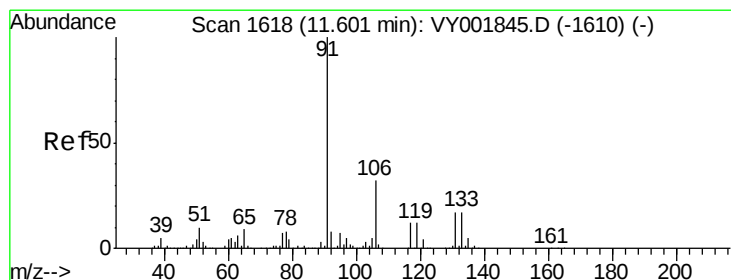
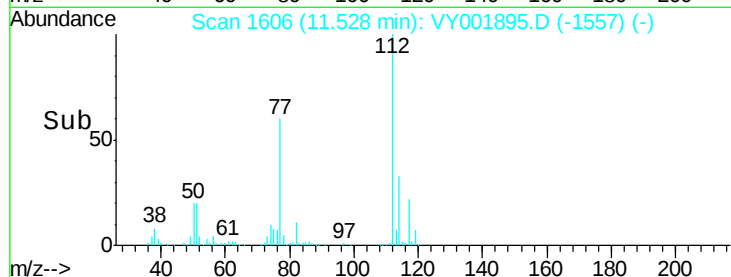
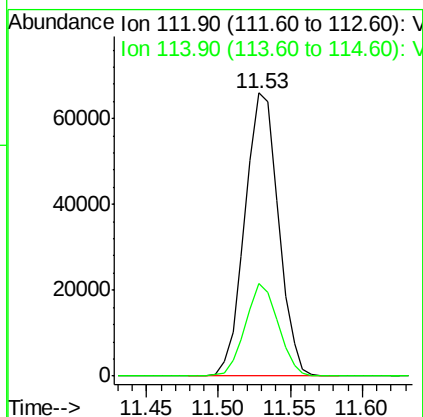
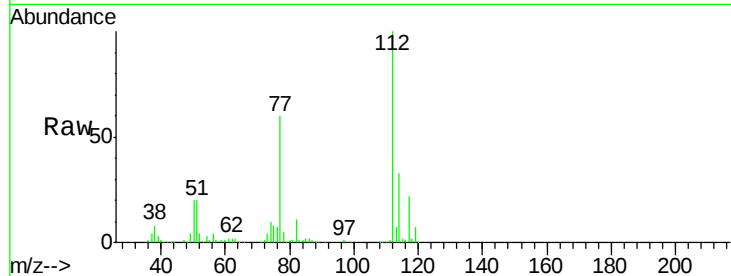
#65
Chlorobenzene
Concen: 19.590 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	106621		
114	32.9	25.9	38.9	

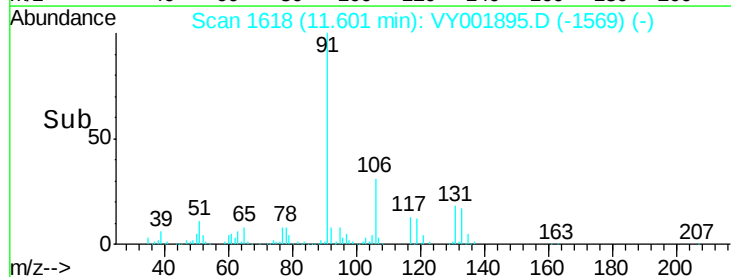
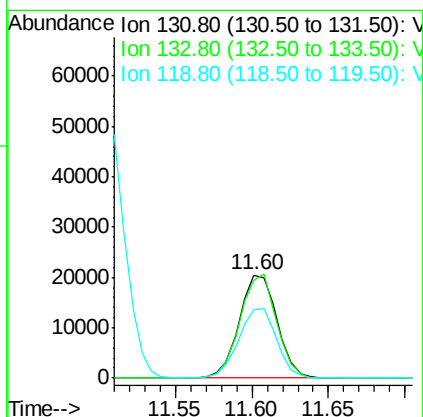
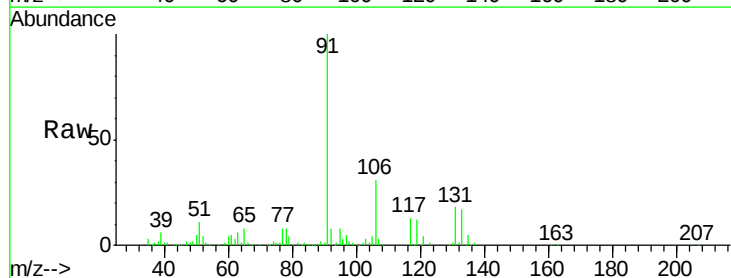
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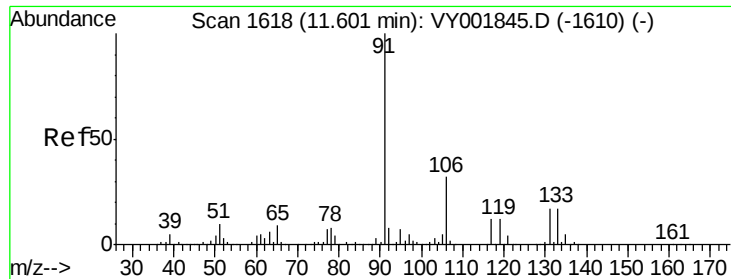
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.669 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	35106		
133	96.8	47.1	141.3	
119	67.7	34.5	103.6	





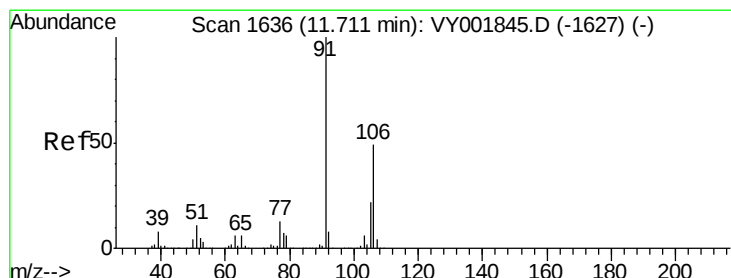
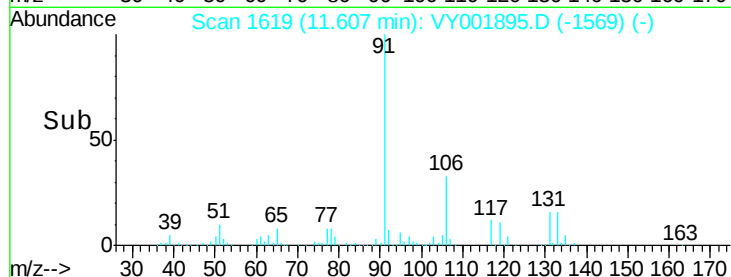
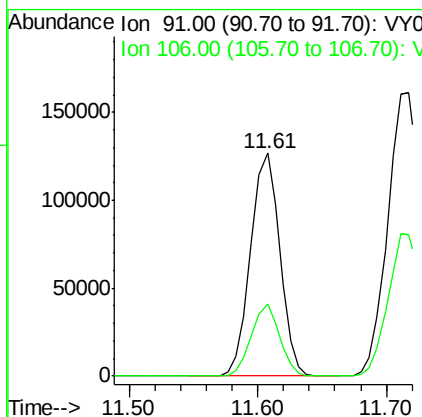
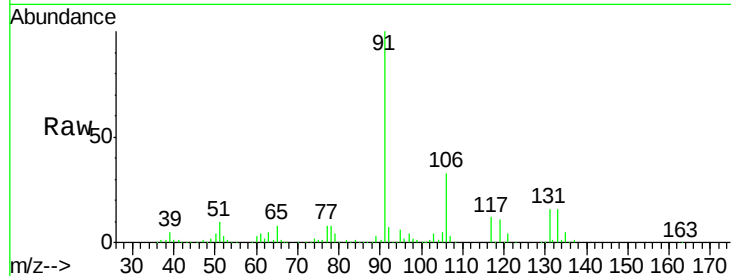
#67
Ethyl Benzene
Concen: 19.509 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampled :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.2

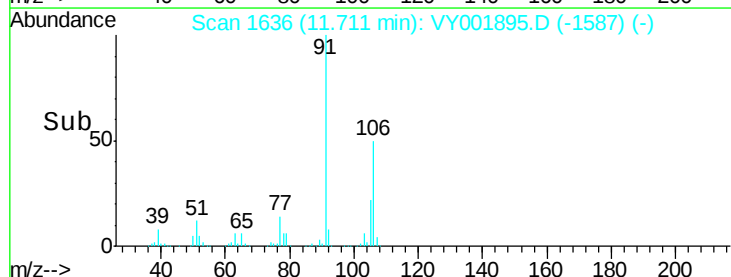
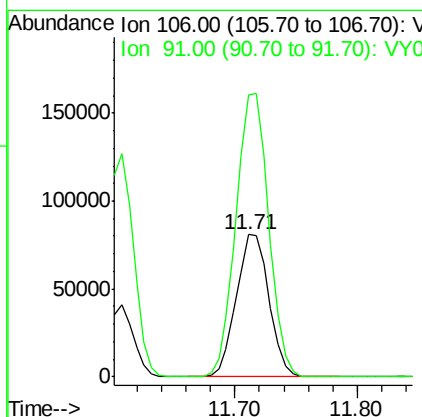
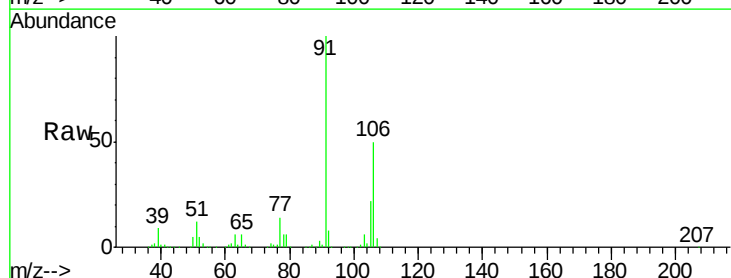
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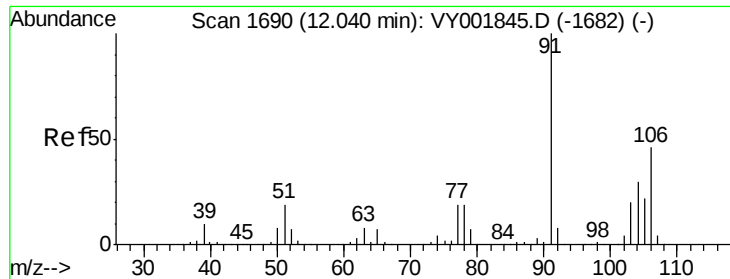
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#68
m/p-Xylenes
Concen: 39.779 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	161.3	241.9





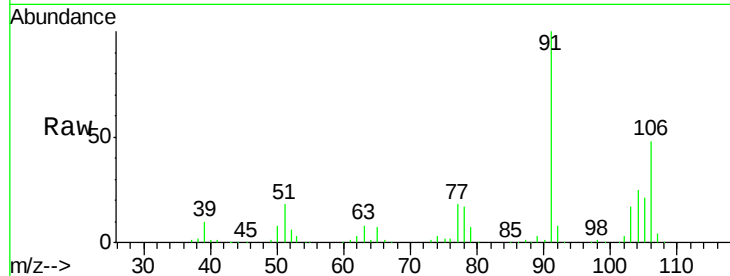
#69
o-Xylene
Concen: 19.876 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

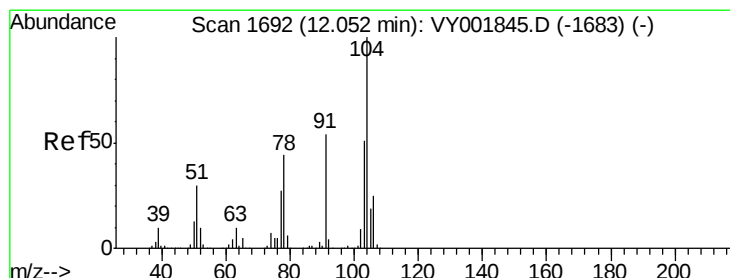
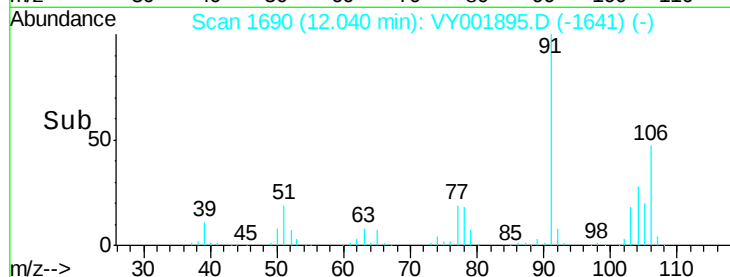
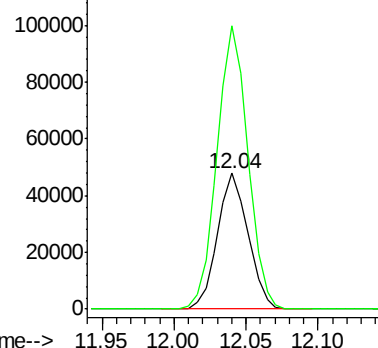
Tot Ion:106 Resp: 70304
Ion Ratio Lower Upper
106 100
91 210.3 106.8 320.4

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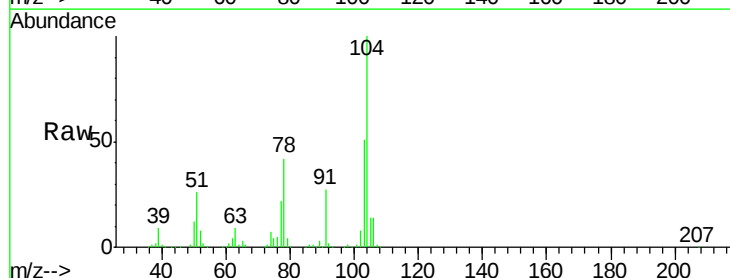


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

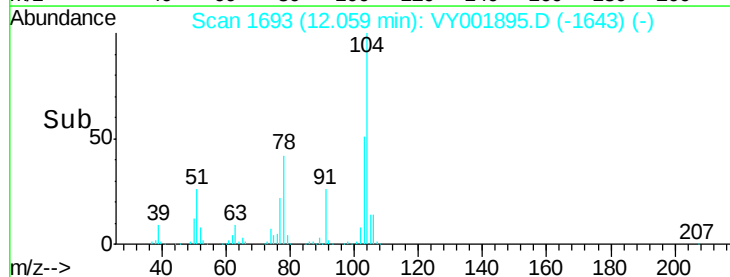
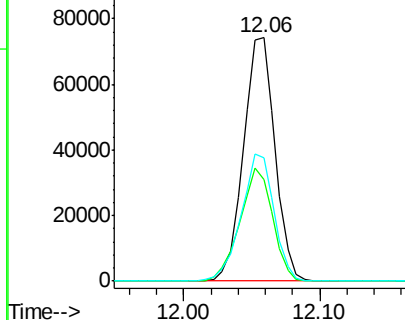


#70
Styrene
Concen: 19.852 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion:104 Resp: 120264
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 54.2 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





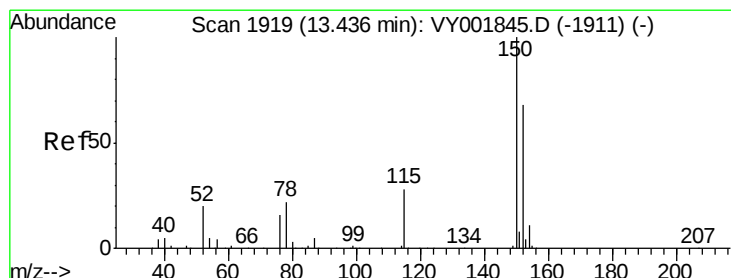
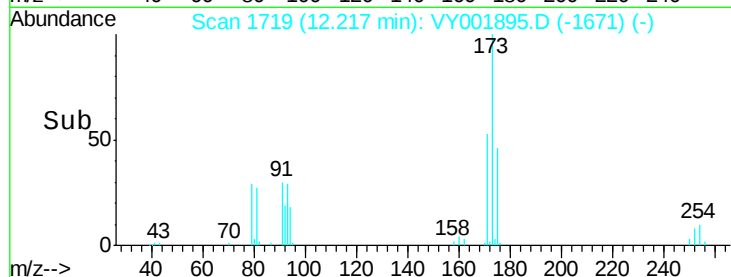
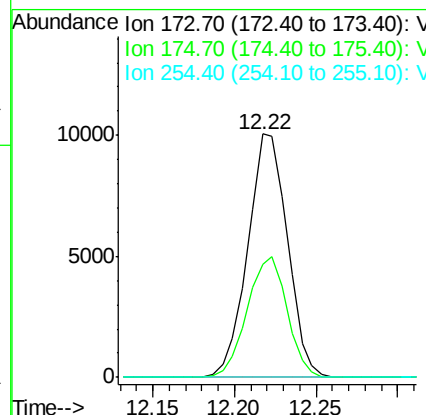
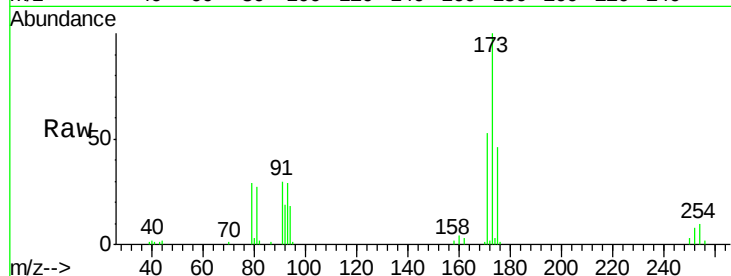
#71
Bromoform
Concen: 17.622 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0

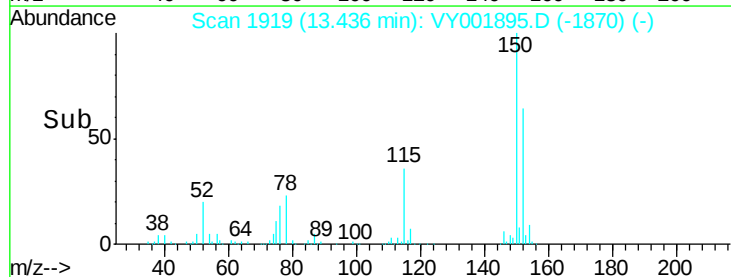
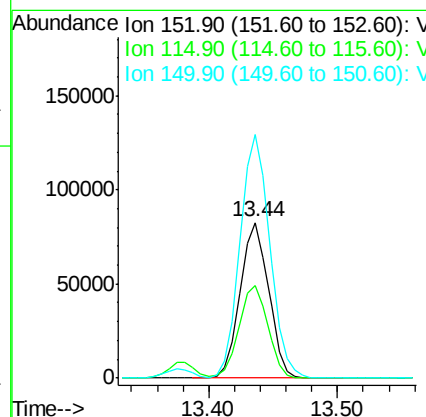
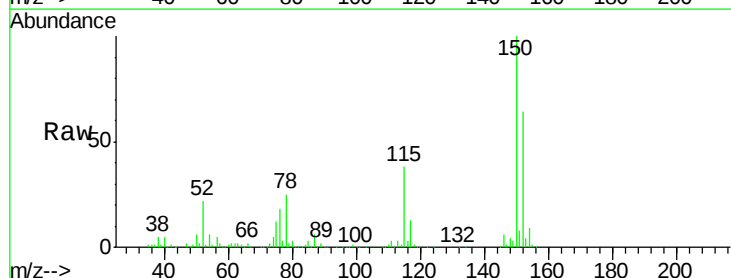
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3/9/2020 11:41:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.9	89.7
150	163.4	0.0	340.6





#73

Isopropylbenzene

Concen: 19.426 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion:105 Resp: 188345

Ion Ratio Lower Upper

105 100

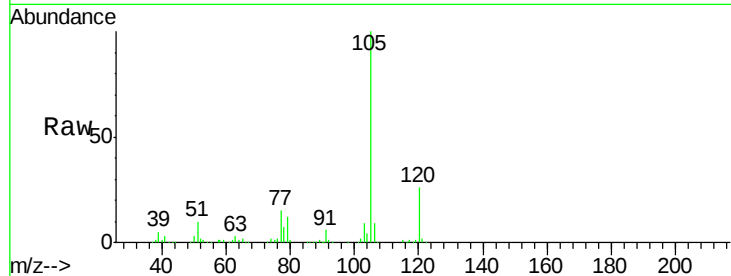
120 26.7 13.1 39.3

Manual Integrations

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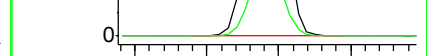
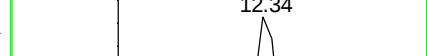
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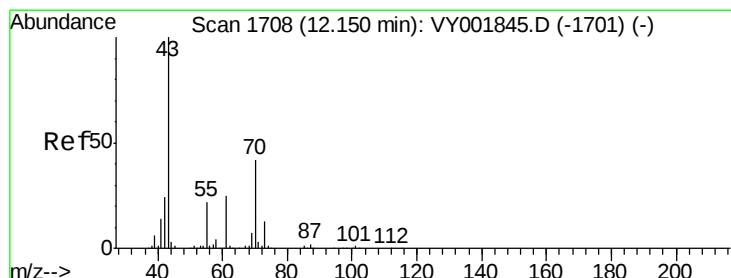
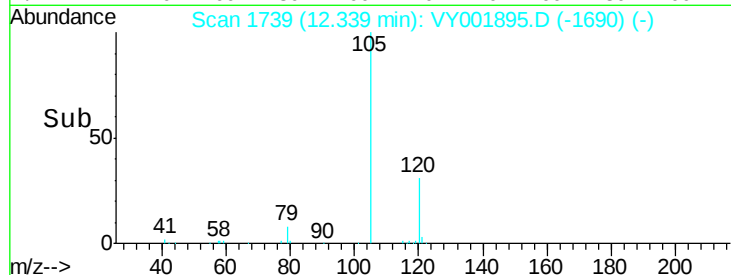


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 17.330 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion: 43 Resp: 51639

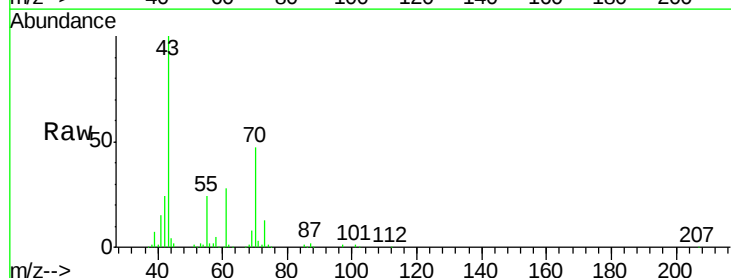
Ion Ratio Lower Upper

43 100

70 44.2 34.7 52.1

55 23.4 18.2 27.4

61 25.1 20.1 30.1

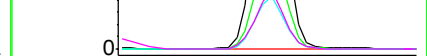


Abundance Ion 43.00 (42.70 to 43.70): VY0

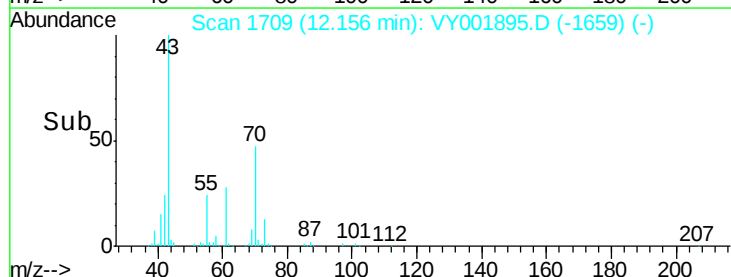
Ion 70.00 (69.70 to 70.70): VY0

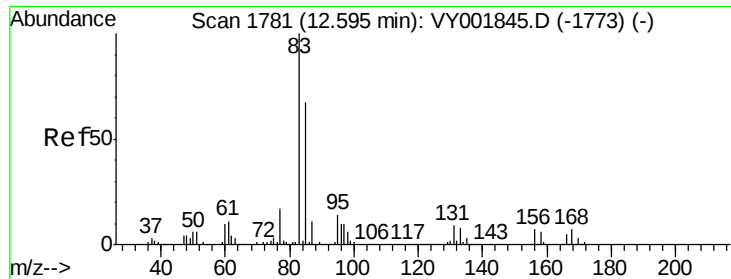
Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



Time--> 12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 17.567 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

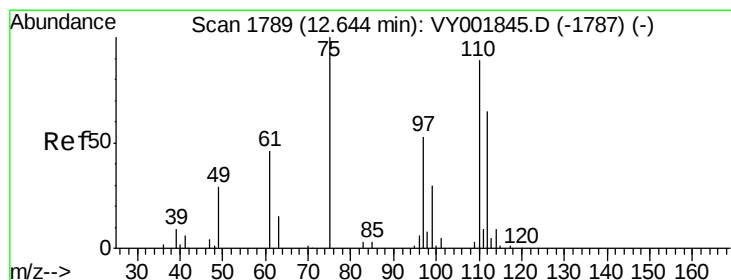
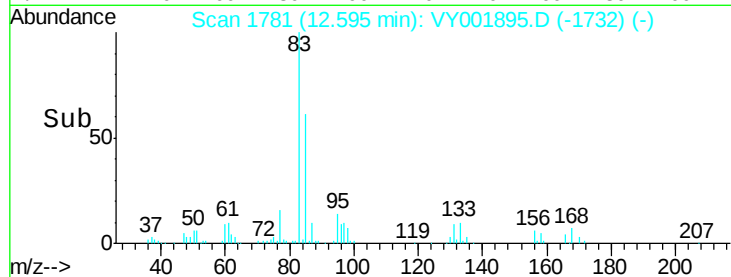
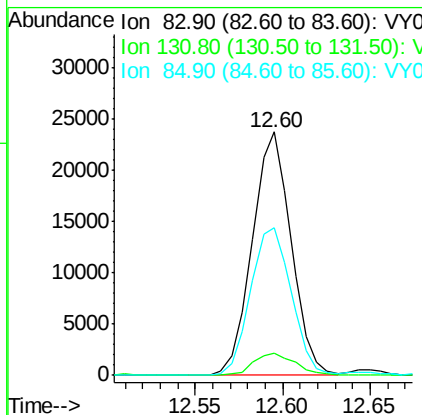
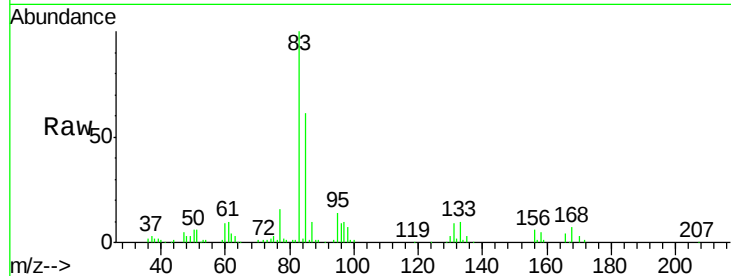
ClientSampleId :

VY0306SBS01

Tot Ion:	83	Resp:	36730
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.6	13.8
85	63.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.350 ug/l m

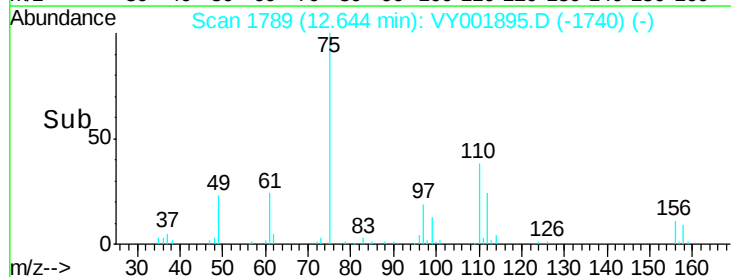
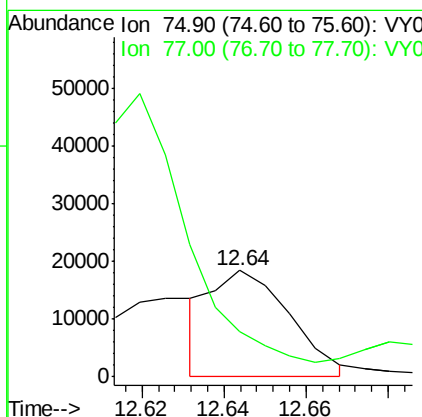
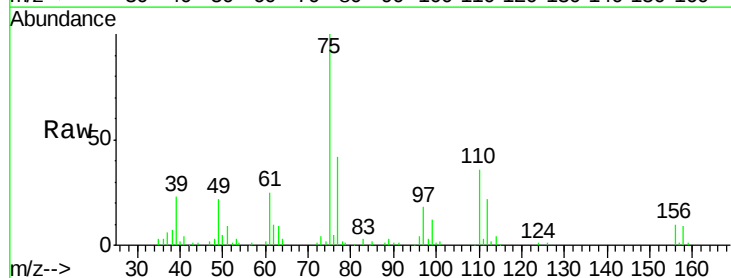
RT: 12.64 min Scan# 1789

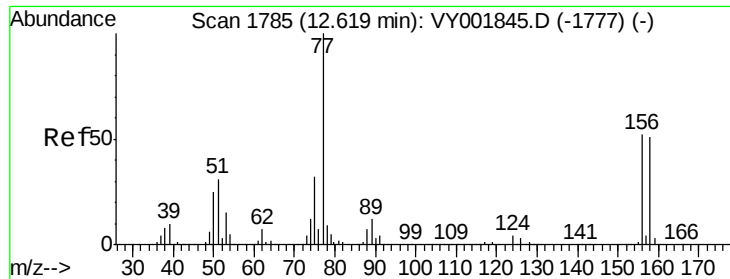
Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	75	Resp:	24640
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.424 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

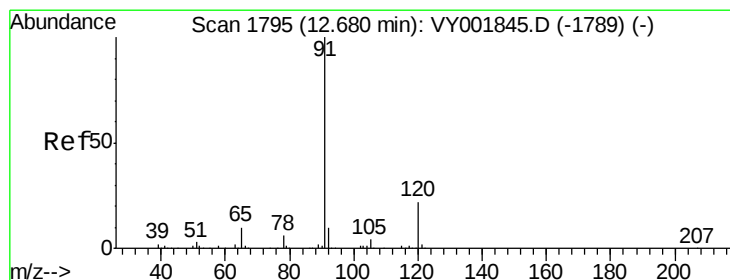
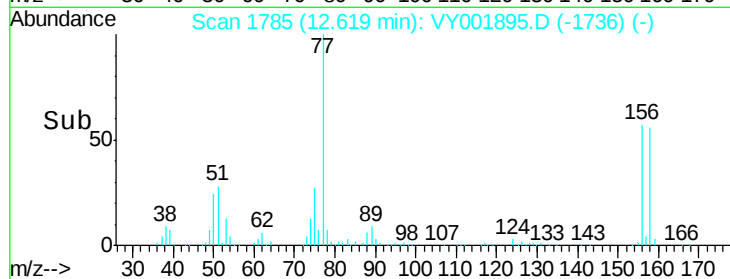
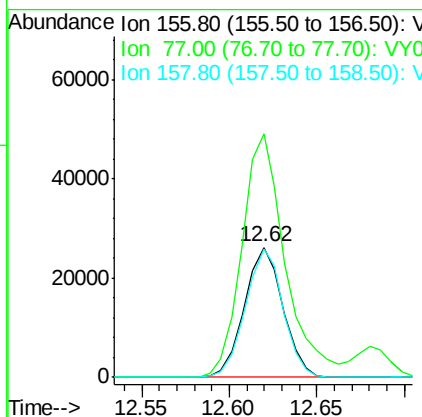
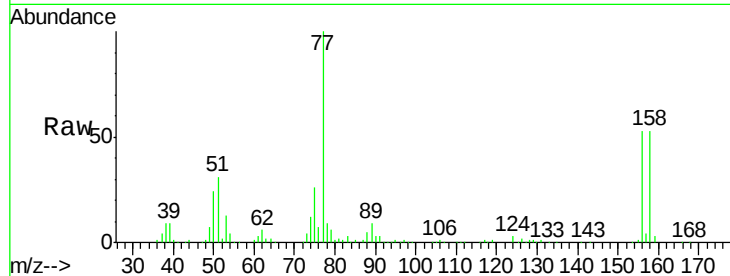
ClientSampleId :

VY0306SBS01

Tot Ion	156	Resp	39900
Ion Ratio	Lower	Upper	
156	100		
77	210.6	109.0	327.0
158	97.4	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.707 ug/l

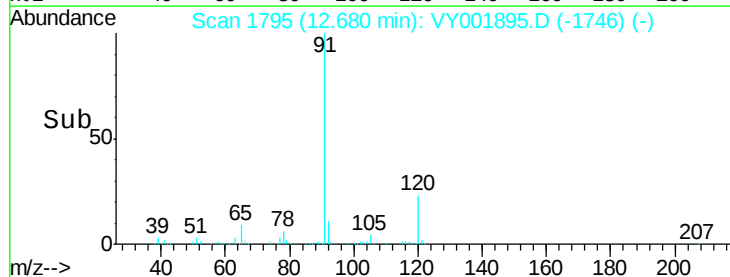
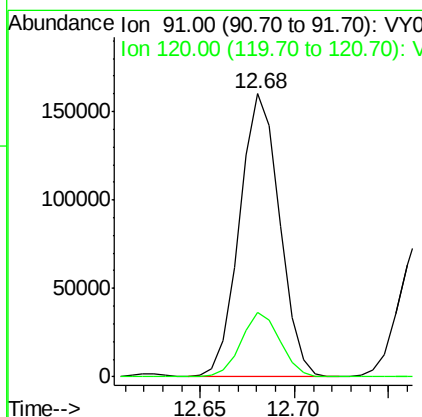
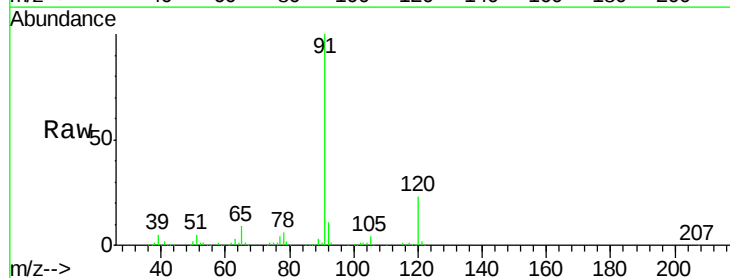
RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion	91	Resp	235720
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 19.366 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion: 91 Resp: 127978

Ion Ratio Lower Upper

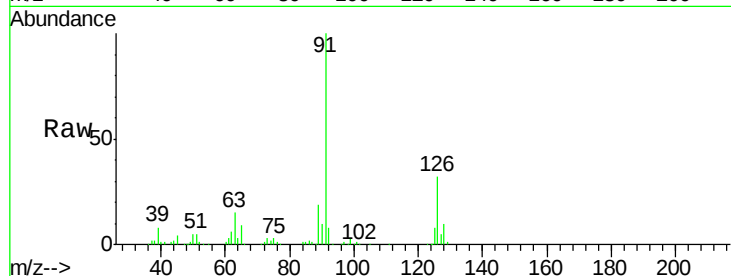
91 100

126 32.8 16.3 48.8

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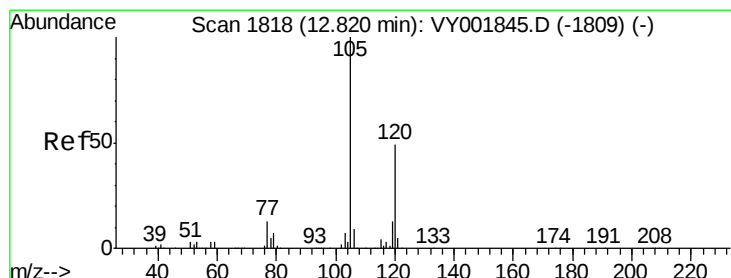
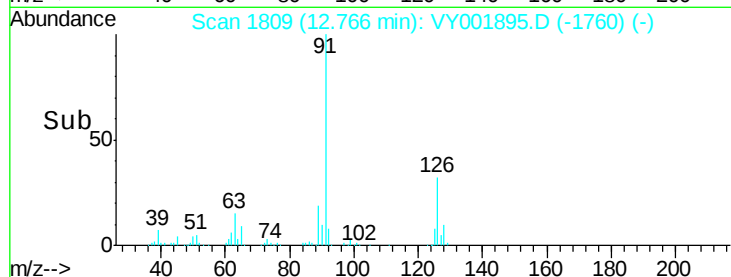
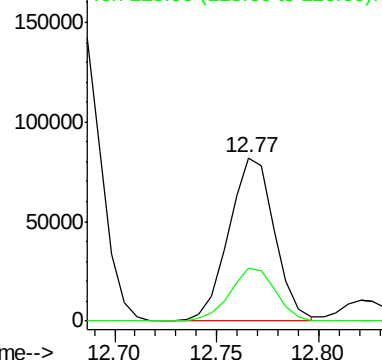
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.686 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001895.D

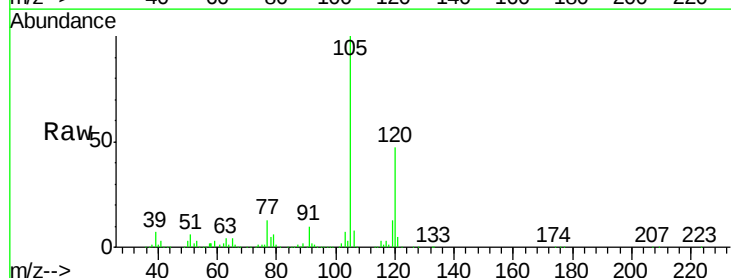
Acq: 06 Mar 2020 12:41

Tgt Ion: 105 Resp: 157129

Ion Ratio Lower Upper

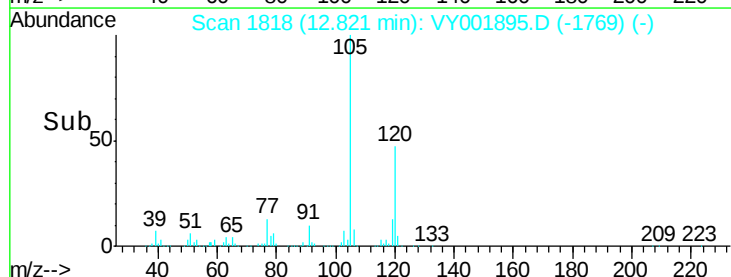
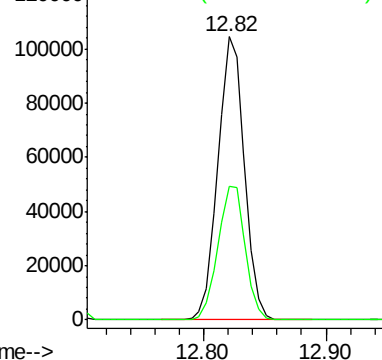
105 100

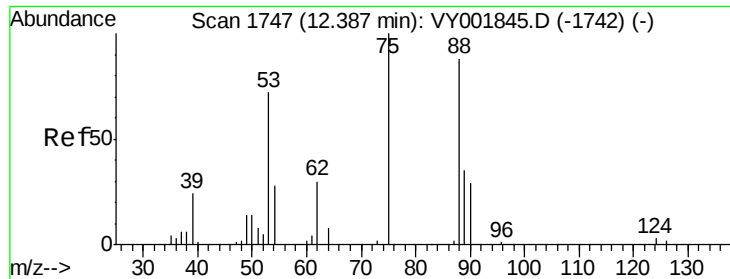
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.360 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

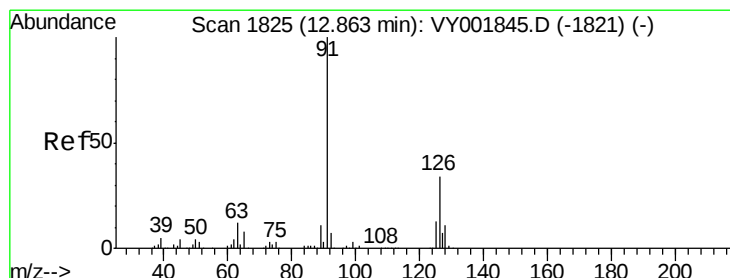
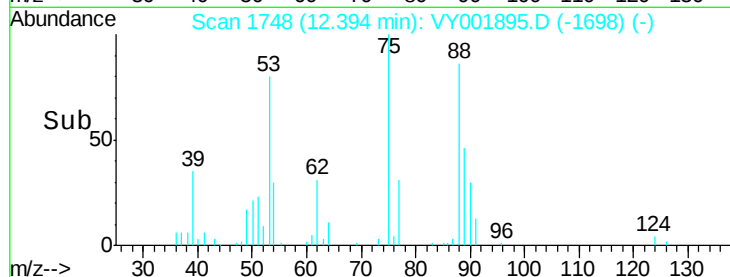
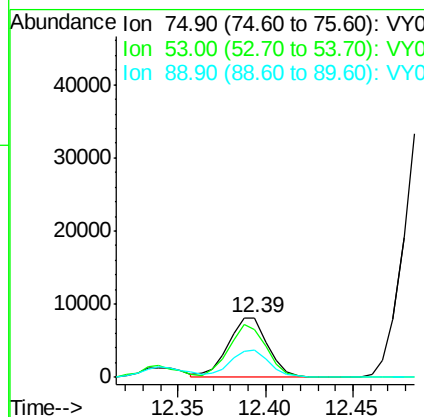
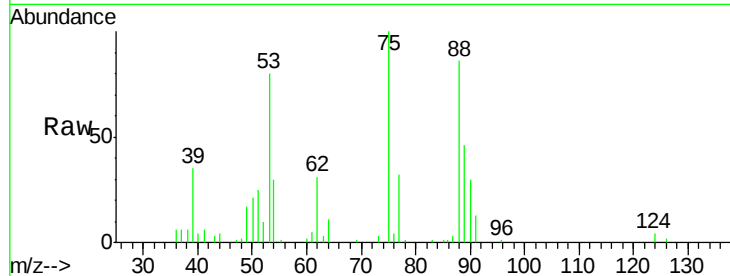
ClientSampleId :

VY0306SBSD01

Tot Ion:	75	Resp:	12952
Ion	Ratio	Lower	Upper
75	100		
53	82.9	65.4	98.0
89	44.4	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.649 ug/l

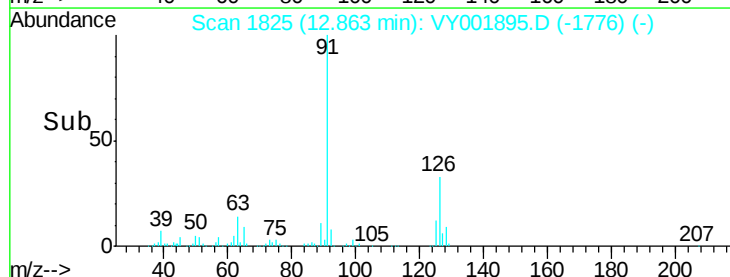
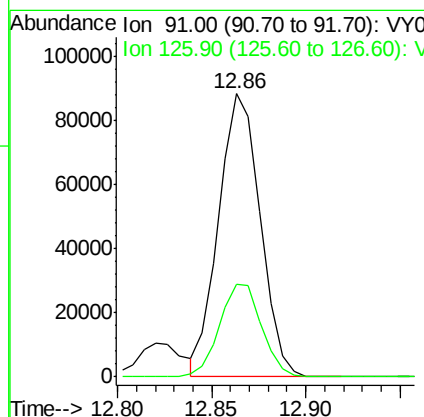
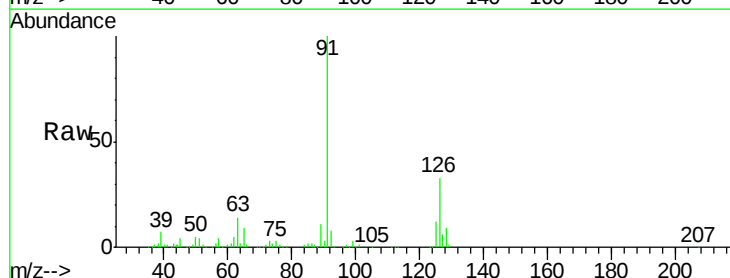
RT: 12.86 min Scan# 1825

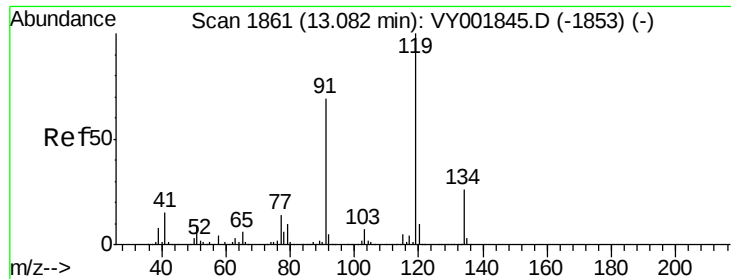
Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	91	Resp:	135198
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





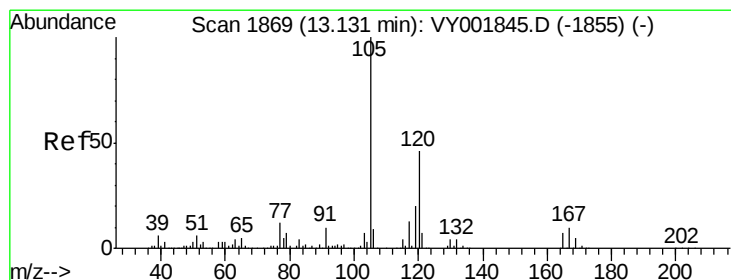
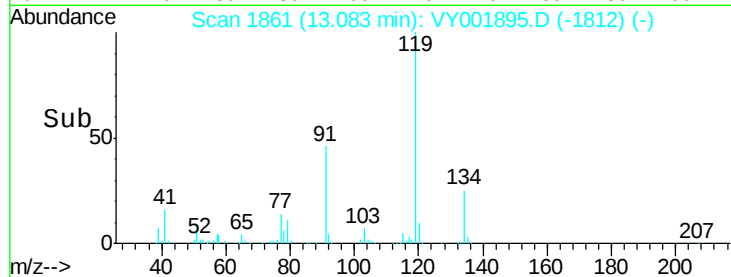
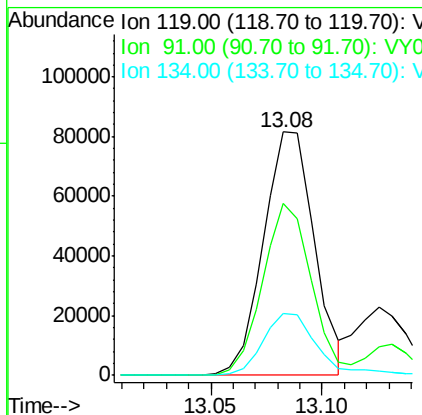
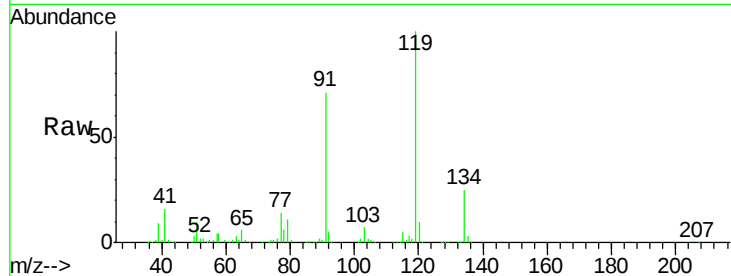
#83
 tert-Butylbenzene
 Concen: 19.503 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129292		
91	67.9	34.0	101.8	
134	27.2	13.5	40.4	

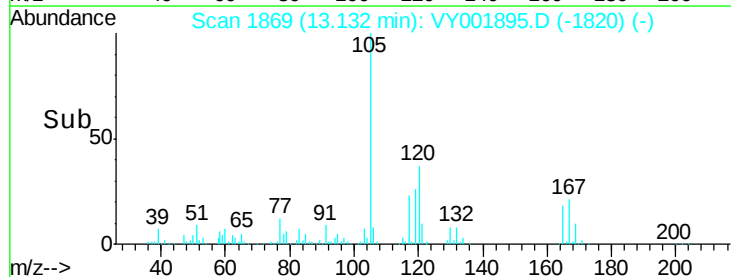
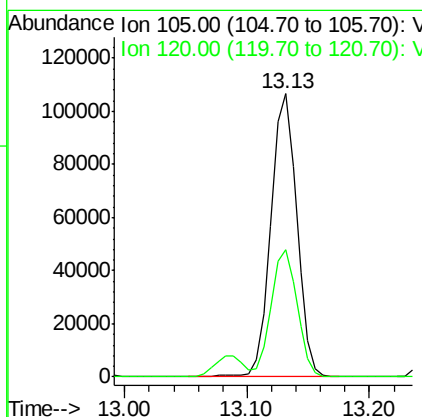
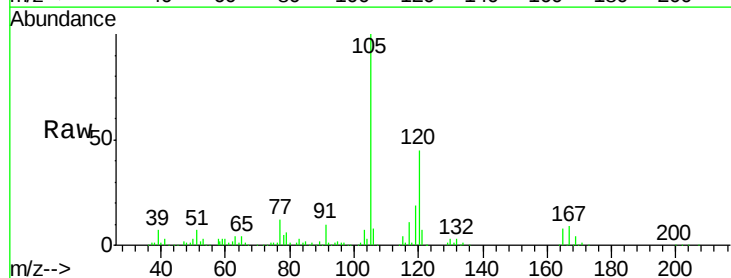
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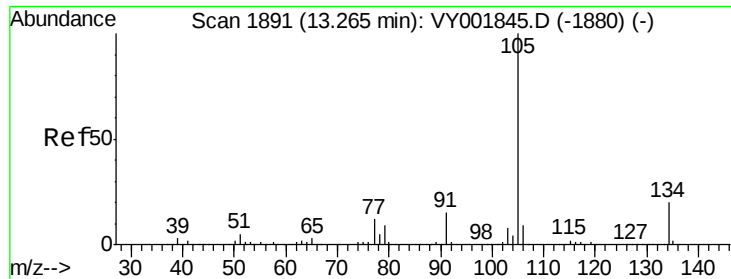
MMDadoda
 3/9/2020 11:41:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.840 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	157156		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.707 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBS01

Tot Ion:105 Resp: 192570

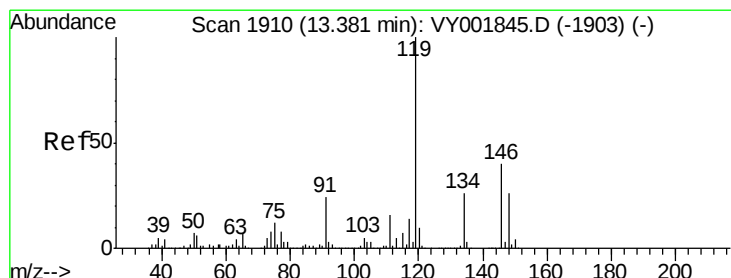
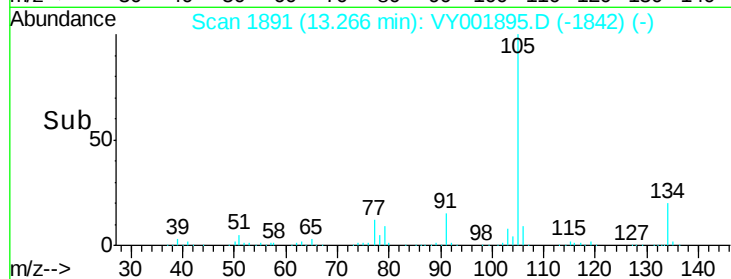
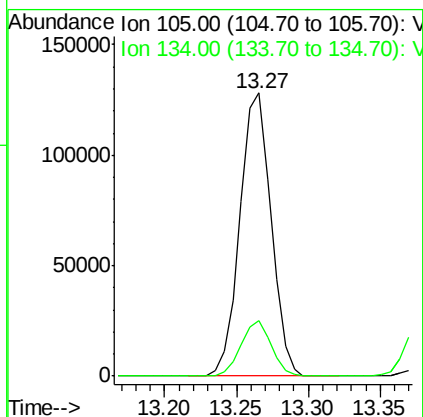
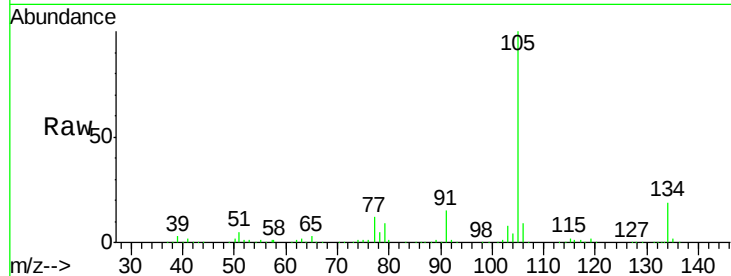
Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.955 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

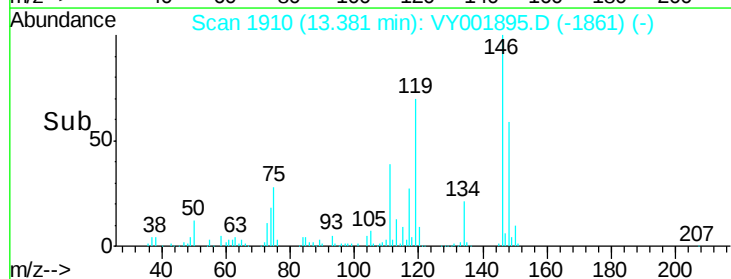
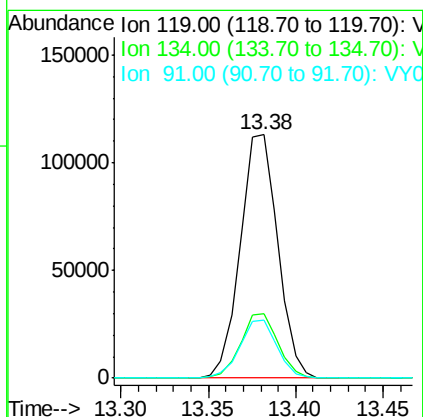
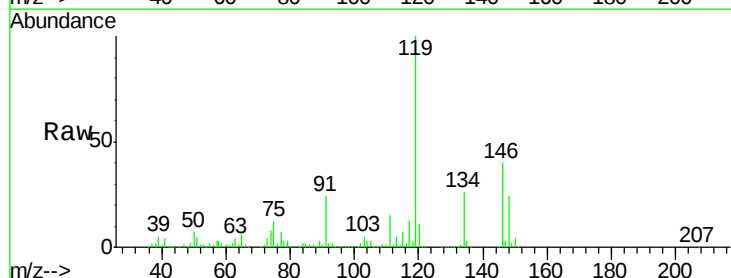
Tgt Ion:119 Resp: 168212

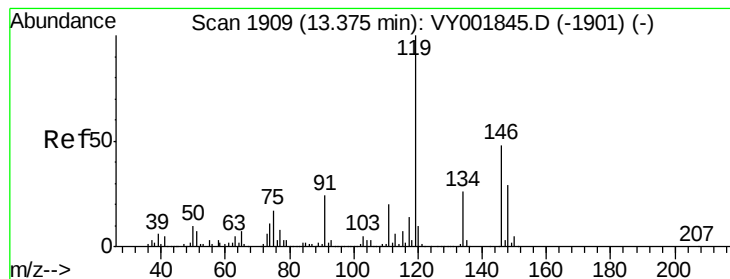
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.797 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

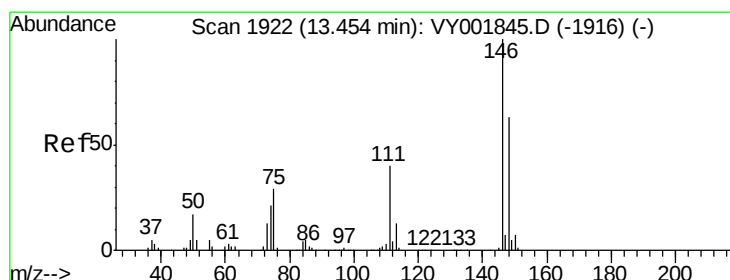
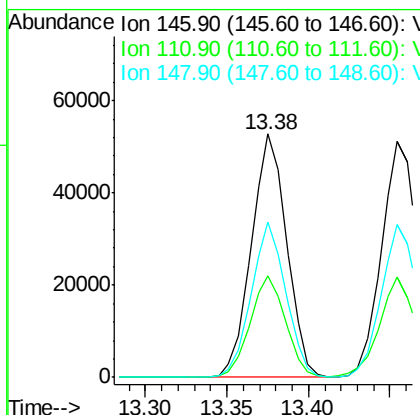
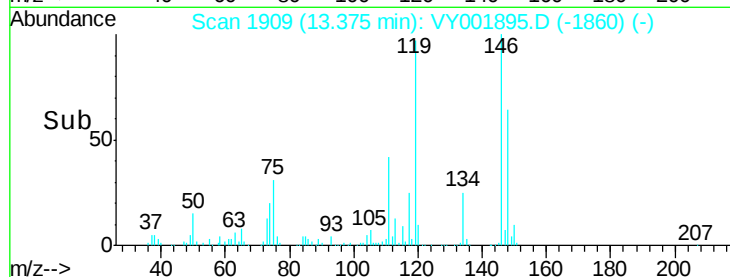
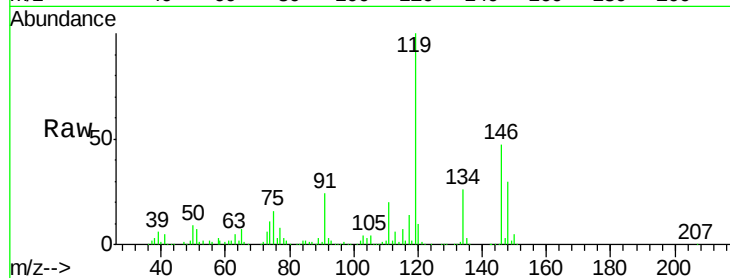
ClientSampleId :

VY0306SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.5
148	62.2	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 19.207 ug/l

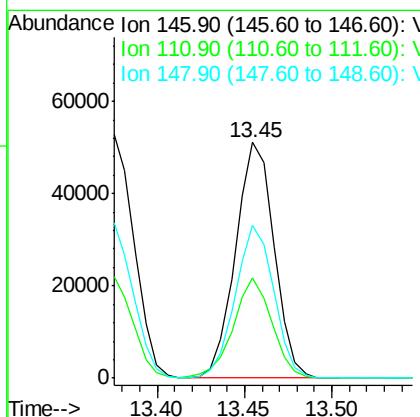
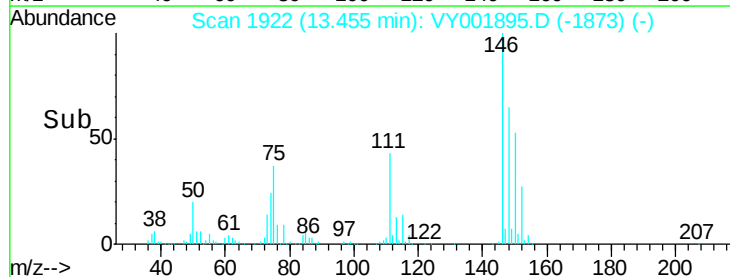
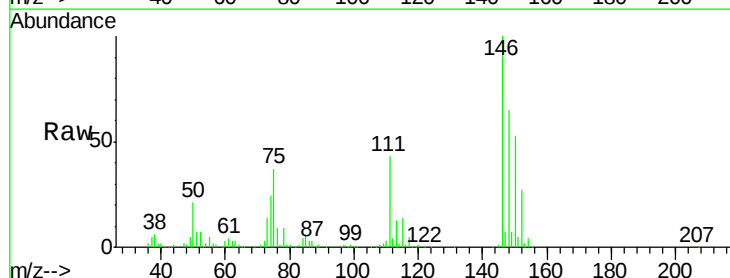
RT: 13.45 min Scan# 1922

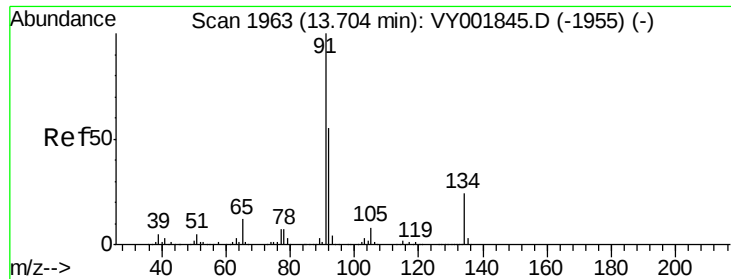
Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.0	60.0
148	64.8	31.5	94.5





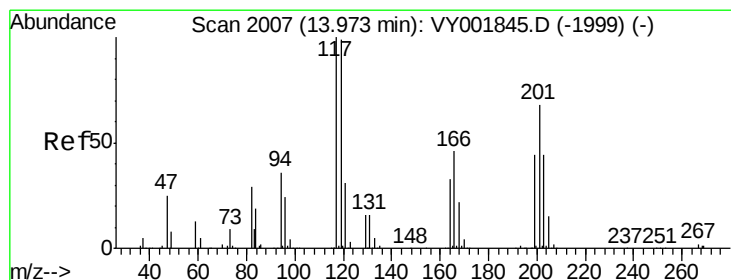
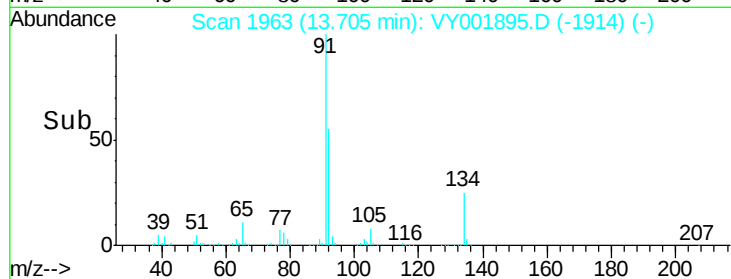
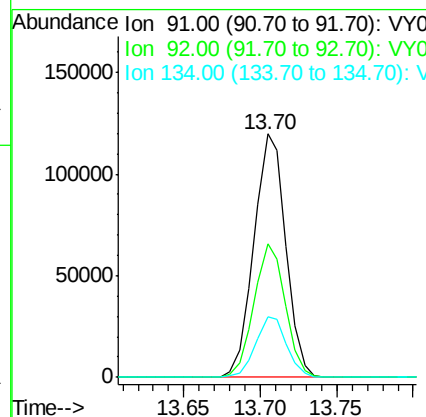
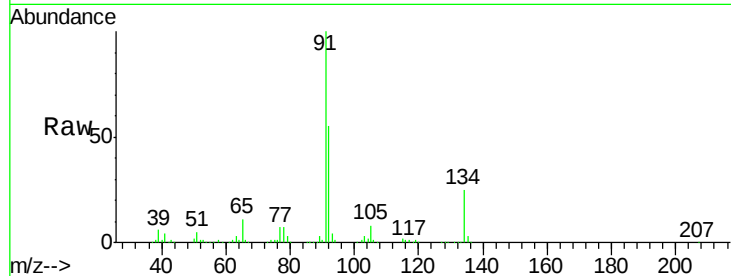
#89
n-Butylbenzene
Concen: 19.834 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	24.4	12.5	37.5

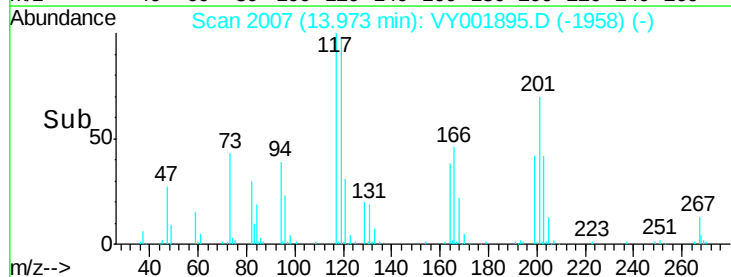
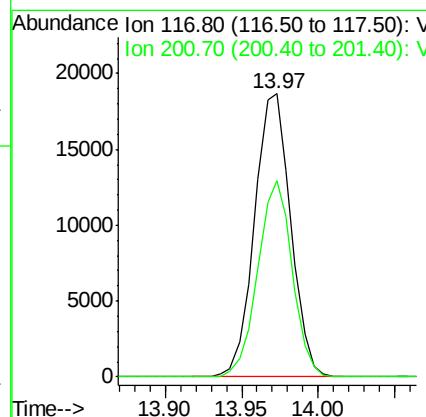
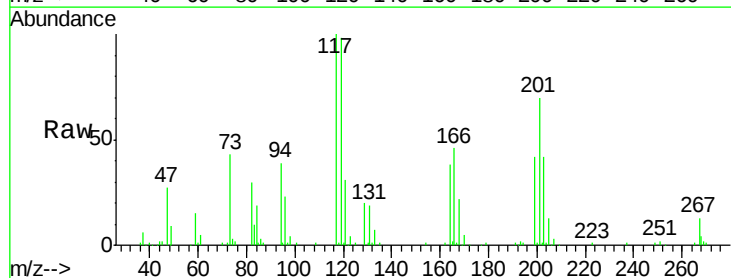
Manual Integrations
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#90
Hexachloroethane
Concen: 19.277 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001895.D
Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	32.5	97.5





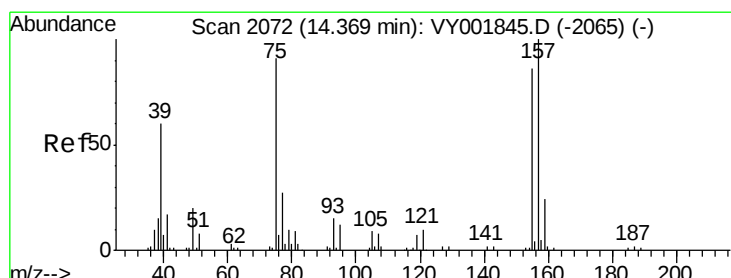
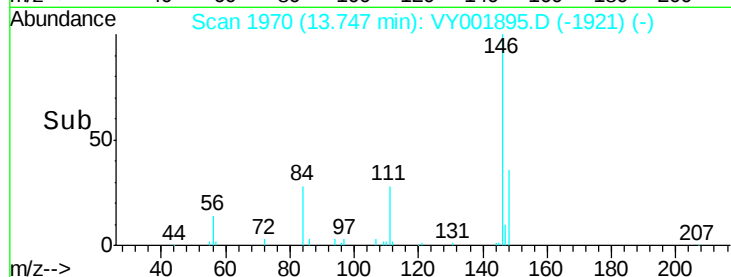
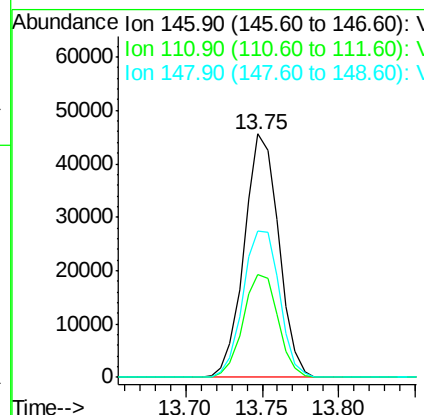
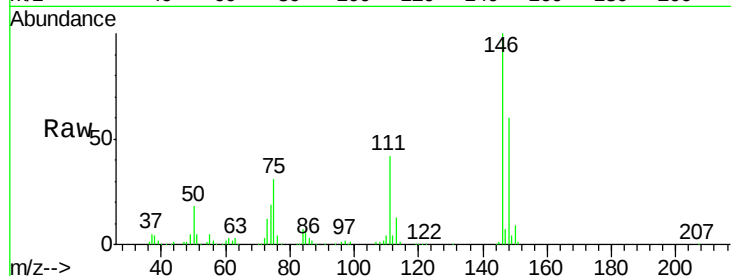
#91
 1,2-Dichlorobenzene
 Concen: 19.552 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	63.3	32.0	96.0

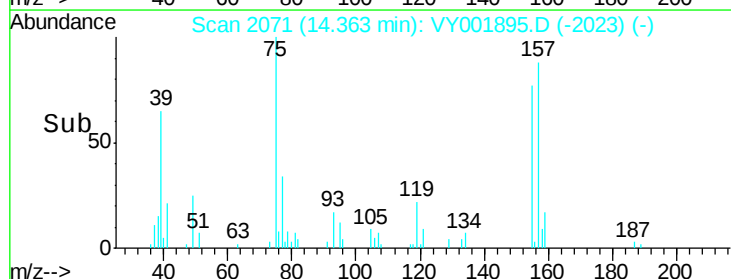
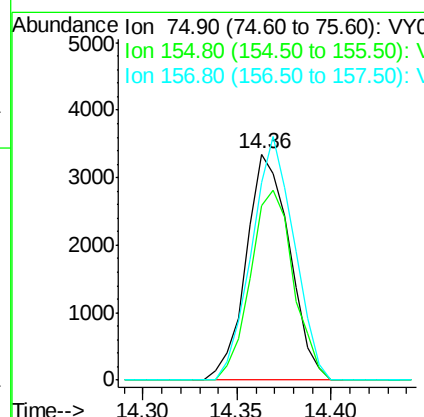
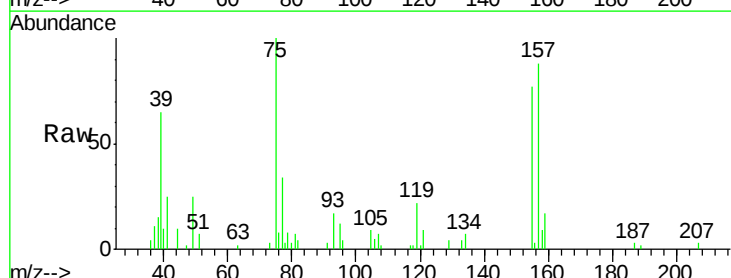
Manual Integrations
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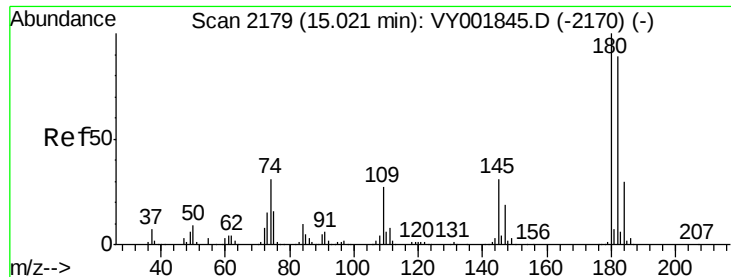
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.429 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	42.9	128.7
157	104.8	53.1	159.4





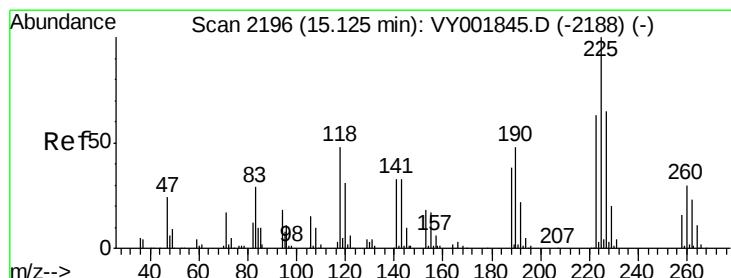
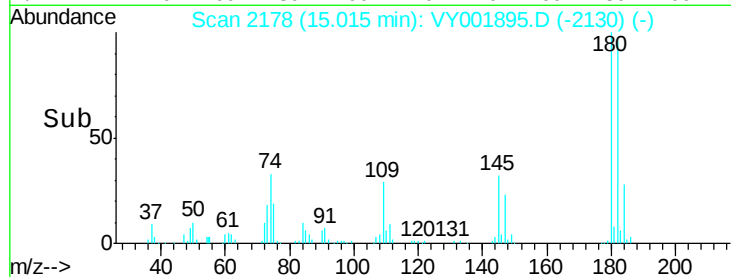
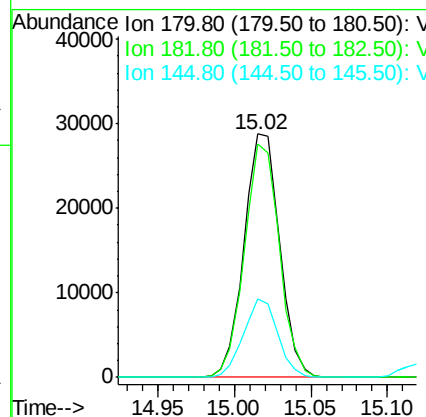
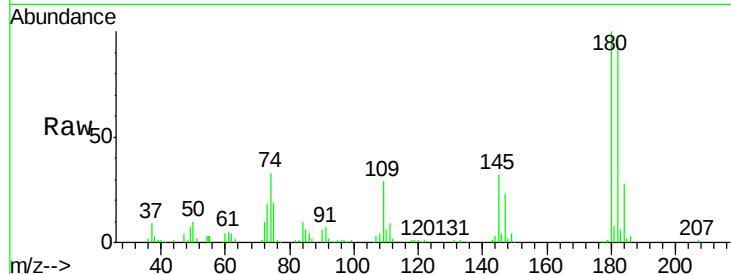
#93
 1,2,4-Trichlorobenzene
 Concen: 19.620 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46531		
182	94.1	46.1	138.3	
145	31.1	15.6	46.8	

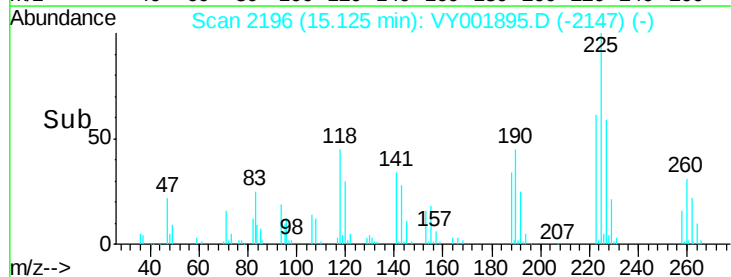
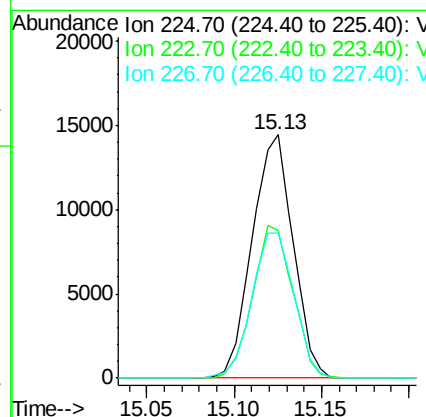
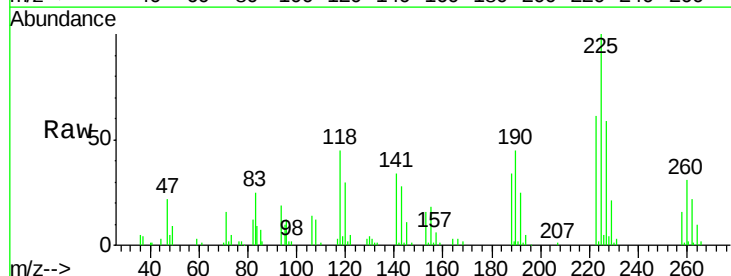
Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:04 AM



#94
 Hexachlorobutadiene
 Concen: 20.259 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VY001895.D
 Acq: 06 Mar 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23424		
223	61.7	31.5	94.5	
227	61.4	31.9	95.5	





#95

Naphthalene

Concen: 17.354 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Instrument :

MSVOA_Y

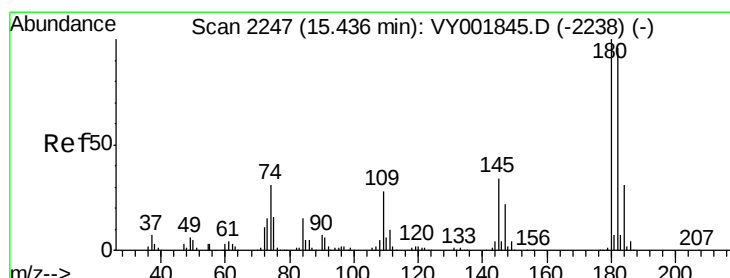
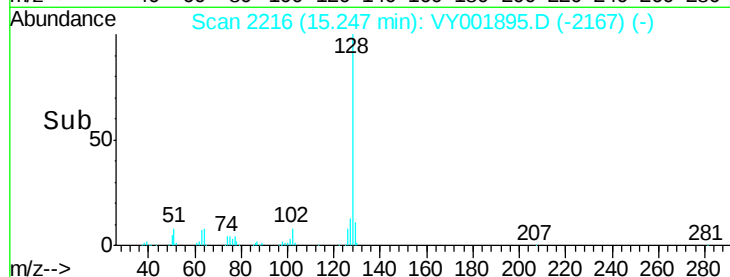
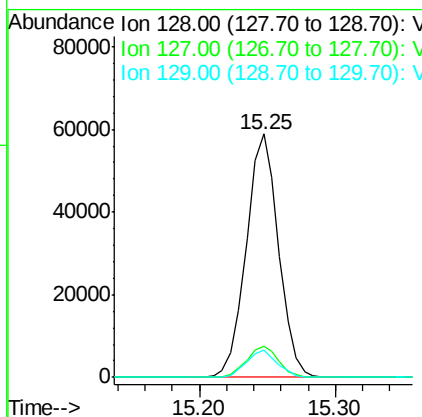
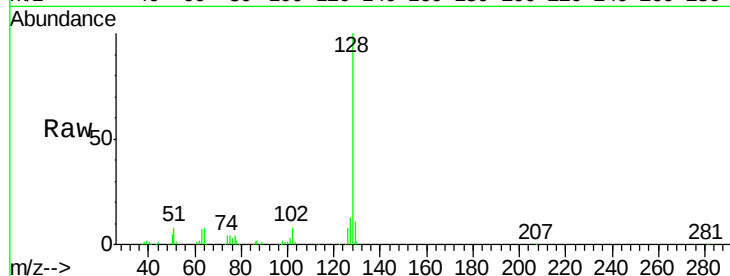
ClientSampleId :

VY0306SBS01

Tot Ion:	128	Resp:	97624
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.197 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001895.D

Acq: 06 Mar 2020 12:41

Tgt Ion:	180	Resp:	40107
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.6	142.9
145	34.3	16.8	50.3

