

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001669.D
 Acq On : 18 Feb 2020 13:13
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:58 PM

Quant Time: Feb 19 07:18:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	183959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	325202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	294422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	103164	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.74	113	92171	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.19	98	387471	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.49	95	137121	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29482	16.441	ug/l	97
3) Chloromethane	2.12	50	43213	17.917	ug/l	98
4) Vinyl Chloride	2.26	62	43699	17.963	ug/l	99
5) Bromomethane	2.65	94	29300	19.271	ug/l	96
6) Chloroethane	2.80	64	26828	17.896	ug/l	96
7) Trichlorofluoromethane	3.14	101	57568	18.490	ug/l	99
8) Diethyl Ether	3.54	74	22964	18.709	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	36526	18.664	ug/l	98
10) Methyl Iodide	4.11	142	40224	16.794	ug/l	99
11) Tert butyl alcohol	4.98	59	29731	116.136	ug/l #	93
12) 1,1-Dichloroethene	3.89	96	36657	18.365	ug/l	98
13) Acrolein	3.75	56	21009	105.127	ug/l	97
14) Allyl chloride	4.50	41	65342	18.394	ug/l	97
15) Acrylonitrile	5.19	53	58373	92.782	ug/l	99
16) Acetone	3.97	43	54811	80.055	ug/l	100
17) Carbon Disulfide	4.21	76	118390	17.766	ug/l	99
18) Methyl Acetate	4.50	43	27242	18.271	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	102349	18.417	ug/l	98
20) Methylene Chloride	4.74	84	46181	18.989	ug/l	94
21) trans-1,2-Dichloroethene	5.25	96	41104	18.050	ug/l	99
22) Diisopropyl ether	6.14	45	134803	18.479	ug/l	98
23) Vinyl Acetate	6.09	43	439188	92.296	ug/l	98
24) 1,1-Dichloroethane	6.04	63	72133	18.500	ug/l	99
25) 2-Butanone	7.02	43	81561	87.691	ug/l	98
26) 2,2-Dichloropropane	7.01	77	61922	18.254	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	45688	18.176	ug/l	98
28) Bromochloromethane	7.36	49	31421	19.346	ug/l	99
29) Tetrahydrofuran	7.37	42	51777	92.102	ug/l	98
30) Chloroform	7.53	83	68796	18.058	ug/l	98
31) Cyclohexane	7.81	56	76176	18.324	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	58713	18.336	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57380	18.472	ug/l	98
37) Ethyl Acetate	7.10	43	36145	19.496	ug/l	97
38) Carbon Tetrachloride	7.92	117	50049	18.343	ug/l	99

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Manual Integrations
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Quant Time: Feb 19 07:18:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	75878	18.412	ug/l	97
40) Benzene	8.18	78	168896	18.487	ug/l	99
41) Methacrylonitrile	7.35	41	21063m	22.626	ug/l	
42) 1,2-Dichloroethane	8.25	62	45976	18.473	ug/l	100
43) Isopropyl Acetate	8.29	43	66052	18.777	ug/l	100
44) Trichloroethene	8.96	130	41549	18.219	ug/l	98
45) 1,2-Dichloropropane	9.23	63	42079	18.391	ug/l	99
46) Dibromomethane	9.32	93	22502	18.803	ug/l	99
47) Bromodichloromethane	9.51	83	52392	18.140	ug/l	95
48) Methyl methacrylate	9.30	41	29025	18.244	ug/l	97
49) 1,4-Dioxane	9.31	88	5762	340.904	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	170233	94.188	ug/l	97
52) Toluene	10.25	92	103085	18.089	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	57438	17.989	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	68395	18.612	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	32622	18.487	ug/l	98
56) Ethyl methacrylate	10.52	69	48818	18.442	ug/l	95
57) 1,3-Dichloropropane	10.80	76	58357	18.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	137669	129.034	ug/l	100
59) 2-Hexanone	10.85	43	121117	89.313	ug/l	99
60) Dibromochloromethane	11.00	129	34262	17.611	ug/l	97
61) 1,2-Dibromoethane	11.10	107	30881	18.509	ug/l	99
64) Tetrachloroethene	10.73	164	34484	18.658	ug/l	98
65) Chlorobenzene	11.53	112	109337	18.601	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	37094	18.707	ug/l	98
67) Ethyl Benzene	11.60	91	202245	18.540	ug/l	99
68) m/p-Xylenes	11.71	106	151270	37.124	ug/l	99
69) o-Xylene	12.04	106	72254	18.652	ug/l	97
70) Styrene	12.05	104	124523	18.496	ug/l	100
71) Bromoform	12.22	173	19878	17.542	ug/l #	97
73) Isopropylbenzene	12.34	105	190799	17.967	ug/l	99
74) N-amyl acetate	12.15	43	62266	18.372	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	40795	17.991	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	26215m	16.394	ug/l	
77) Bromobenzene	12.62	156	41832	18.171	ug/l	95
78) n-propylbenzene	12.68	91	236865	18.314	ug/l	100
79) 2-Chlorotoluene	12.77	91	131557	18.136	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	161185	18.336	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14465	17.162	ug/l	92
82) 4-Chlorotoluene	12.86	91	140008	18.300	ug/l	99
83) tert-Butylbenzene	13.08	119	134258	18.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	163079	18.608	ug/l	100
85) sec-Butylbenzene	13.26	105	197943	18.306	ug/l	100
86) p-Isopropyltoluene	13.38	119	173710	18.492	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	83111	18.615	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	83351	18.469	ug/l	99
89) n-Butylbenzene	13.70	91	176666	18.405	ug/l	99
90) Hexachloroethane	13.97	117	31400	17.742	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	76256	18.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6442	17.215	ug/l	94

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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBSD01

Manual Integrations
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Quant Time: Feb 19 07:18:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	49669	18.191	ug/l	99
94) Hexachlorobutadiene	15.12	225	24341	17.925	ug/l	98
95) Naphthalene	15.25	128	112107	17.807	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	43689	18.188	ug/l	98

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

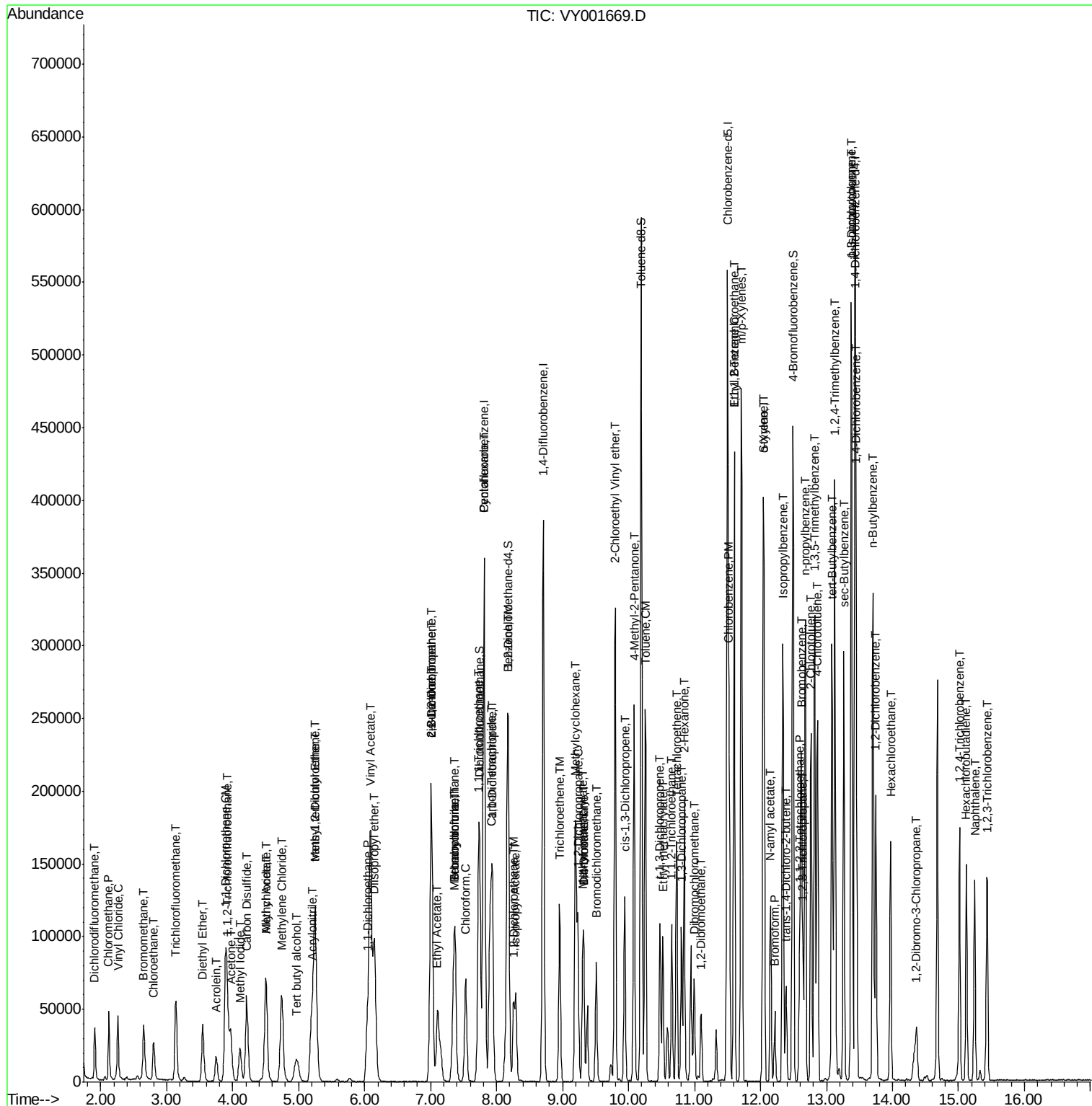
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
Data File : VY001669.D
Acq On : 18 Feb 2020 13:13
Operator : SY/MD
Sample : VY0218SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

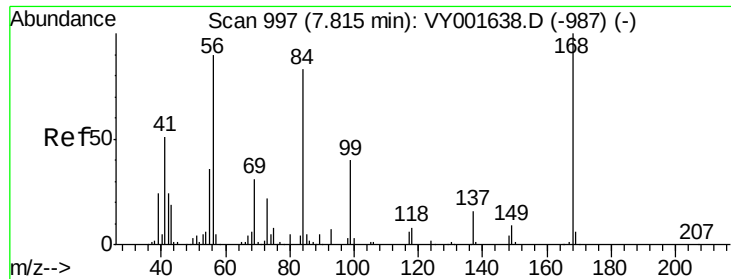
Instrument :
MSVOA_Y
Client Sample Id :
VY0218SBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

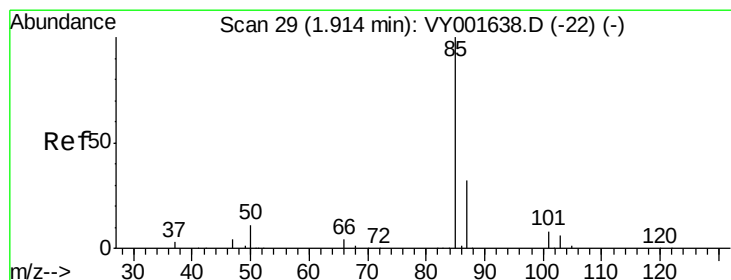
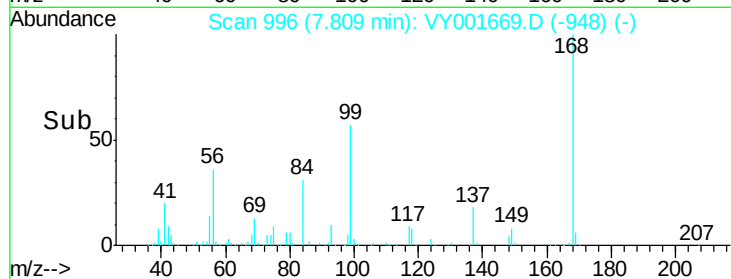
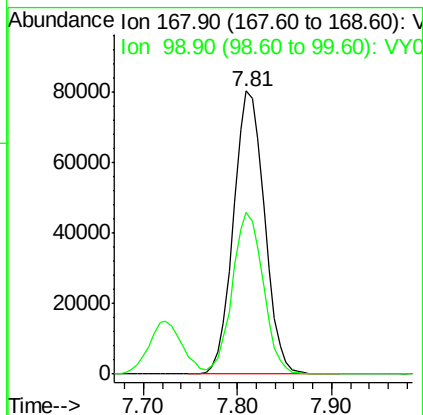
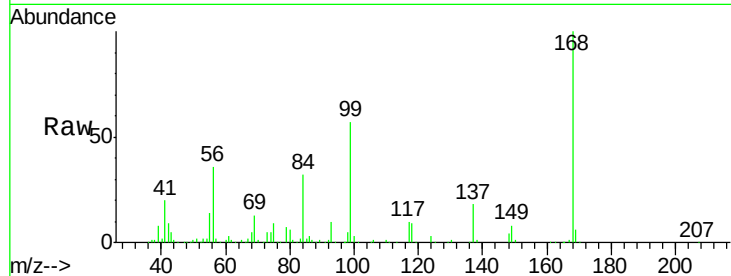
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.1	47.5	71.3

Manual Integrations
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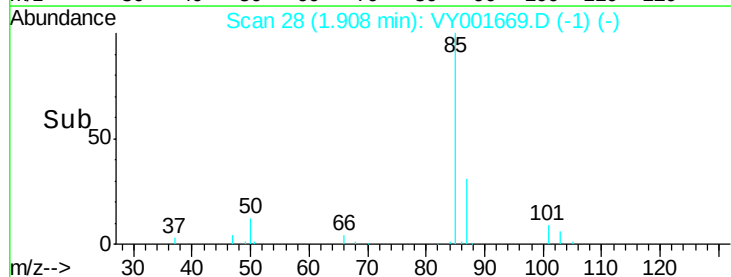
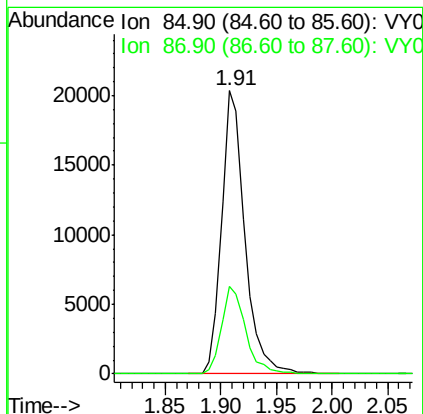
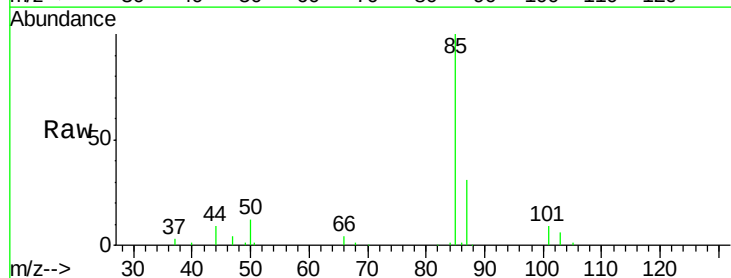
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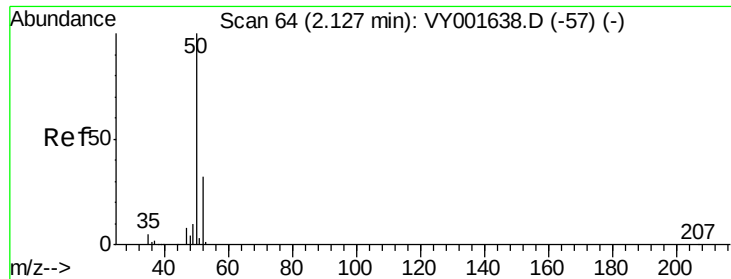


#2

Dichlorodifluoromethane
 Concen: 16.441 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.2	48.6





#3

Chloromethane

Concen: 17.917 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 50 Resp: 43213

Ion Ratio Lower Upper

50 100

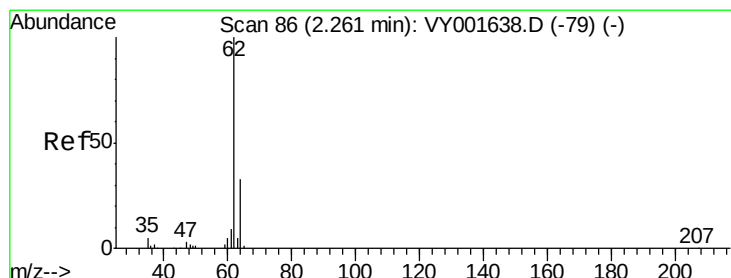
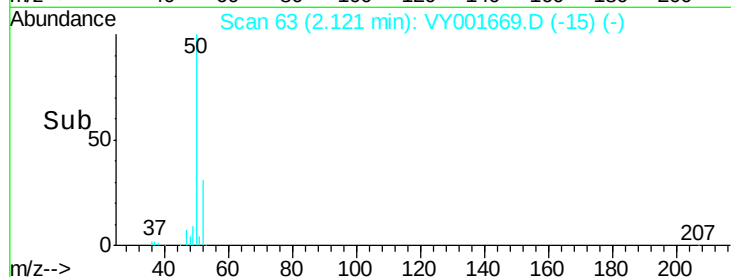
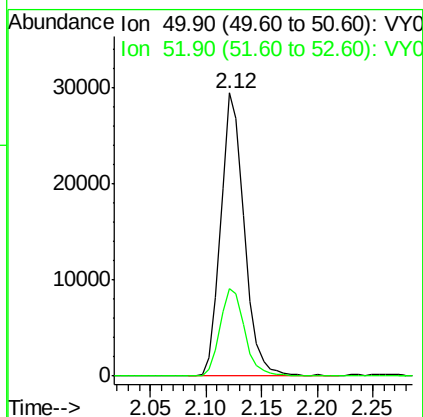
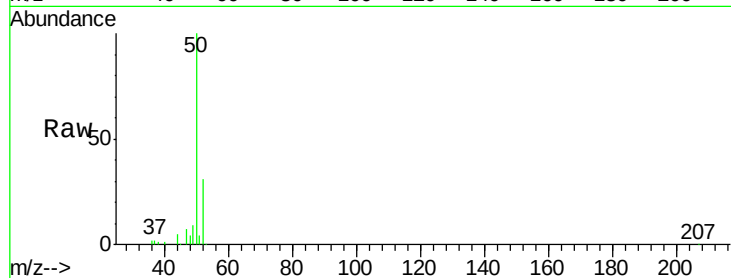
52 30.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.963 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001669.D

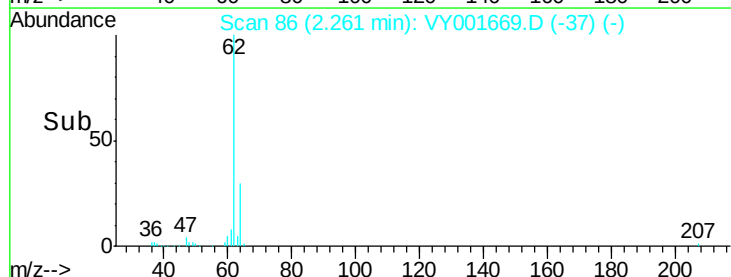
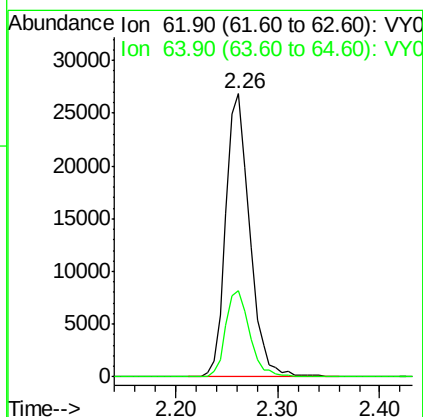
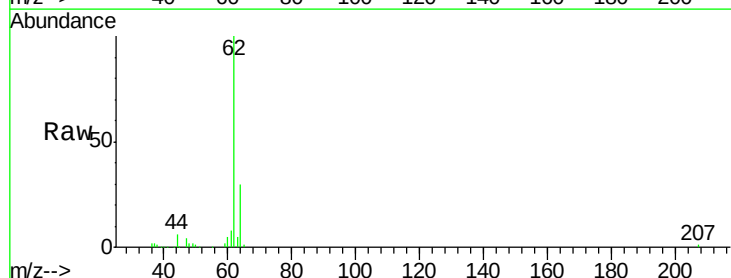
Acq: 18 Feb 2020 13:13

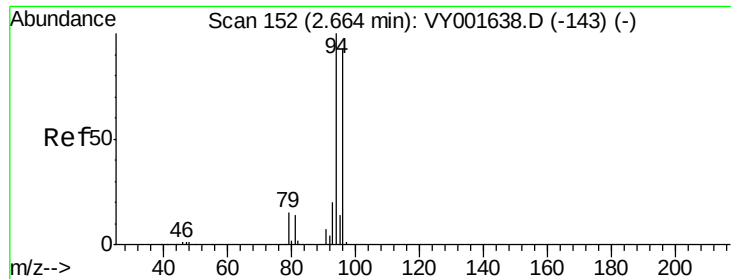
Tgt Ion: 62 Resp: 43699

Ion Ratio Lower Upper

62 100

64 30.4 24.9 37.3





#5

Bromomethane

Concen: 19.271 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 94 Resp: 29300

Ion Ratio Lower Upper

94 100

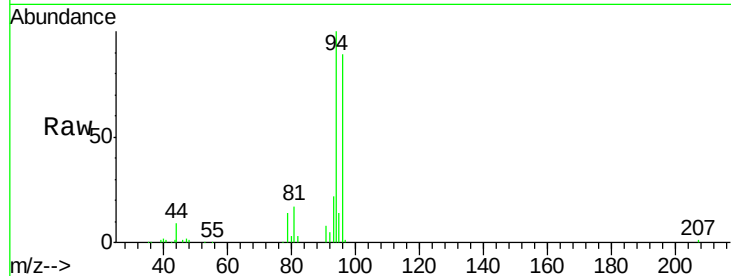
96 88.6 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

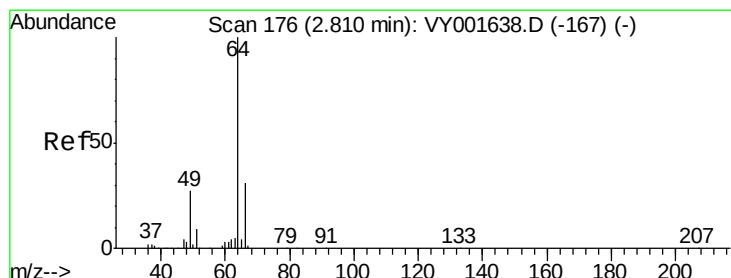
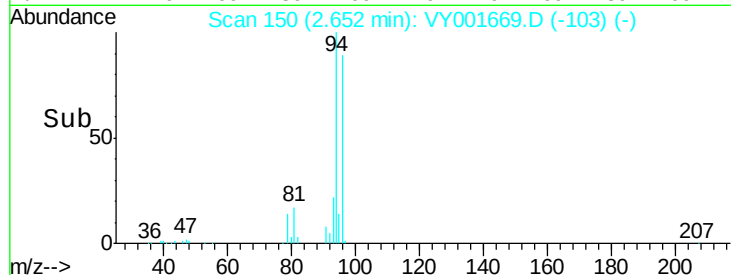
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.896 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001669.D

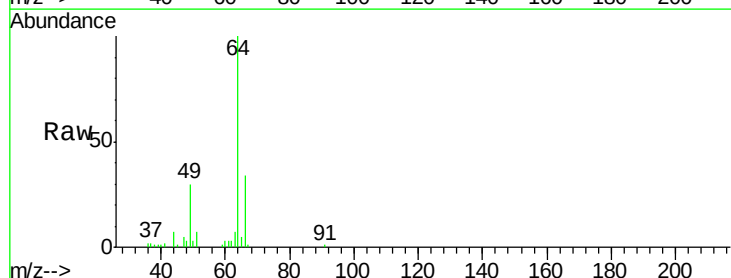
Acq: 18 Feb 2020 13:13

Tgt Ion: 64 Resp: 26828

Ion Ratio Lower Upper

64 100

66 33.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

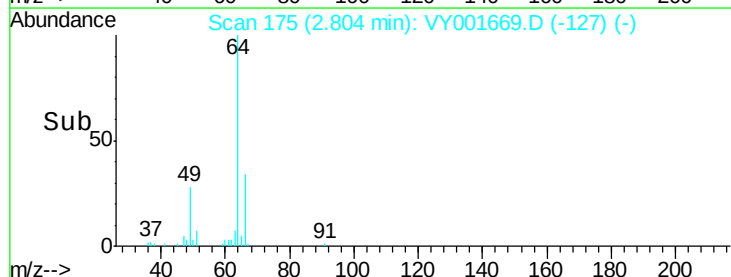
Ion 65.90 (65.60 to 66.60): VY0

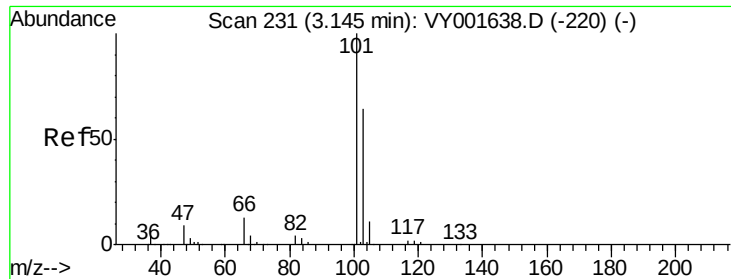
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5000

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Time-->





#7

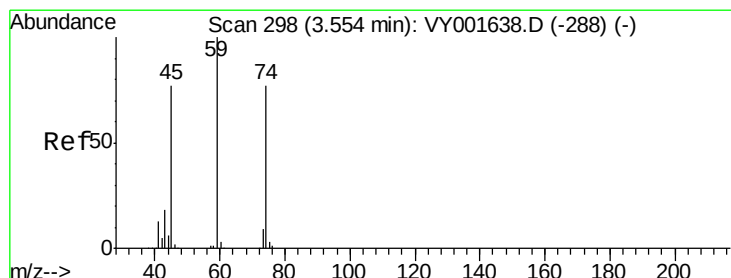
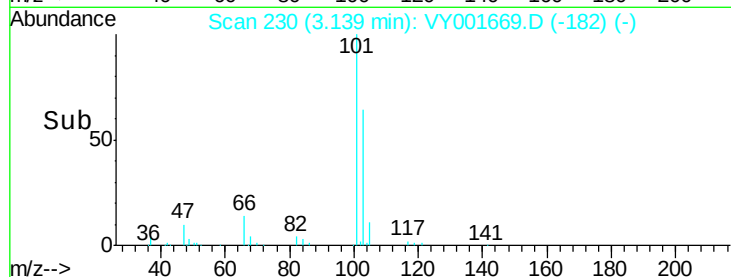
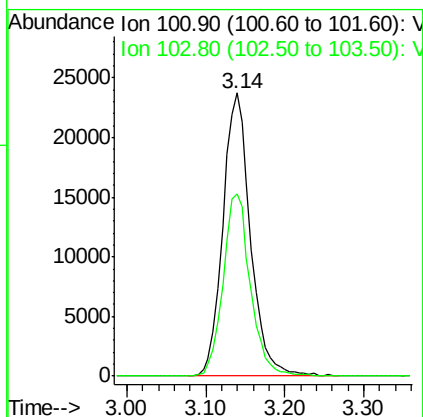
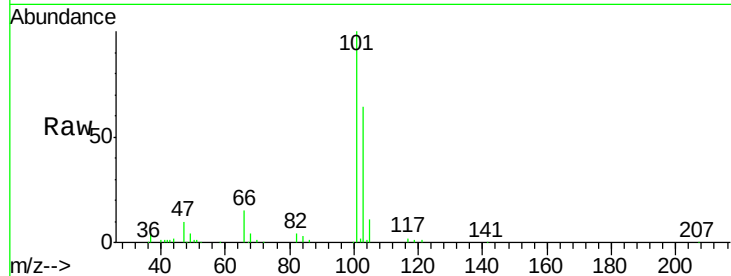
Trichlorofluoromethane
 Concen: 18.490 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

Manual Integrations
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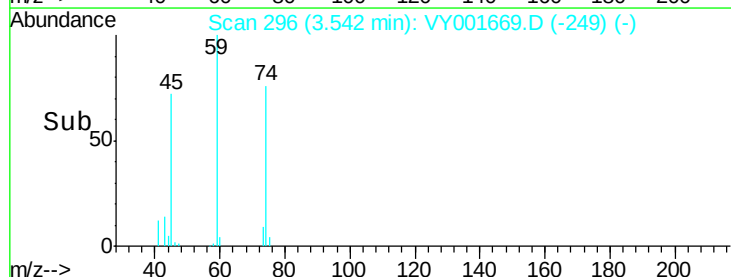
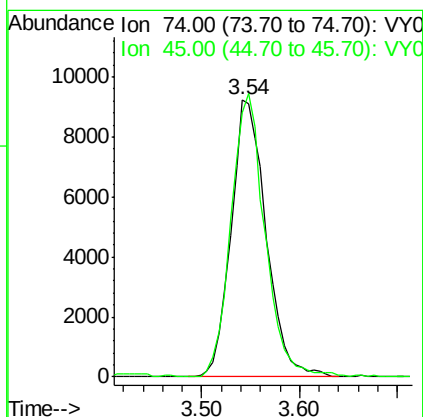
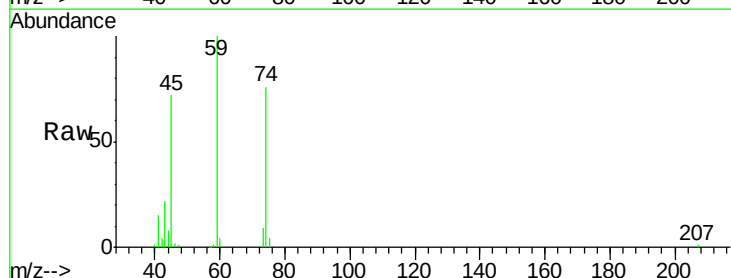
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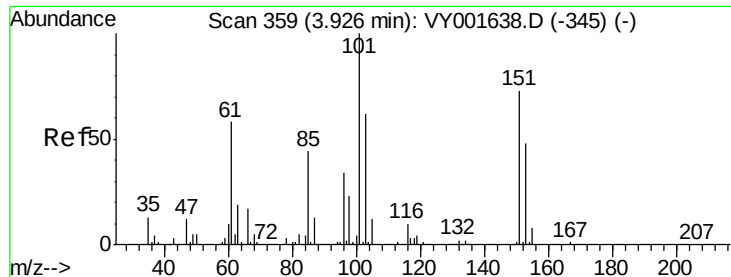


#8

Diethyl Ether
 Concen: 18.709 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.664 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

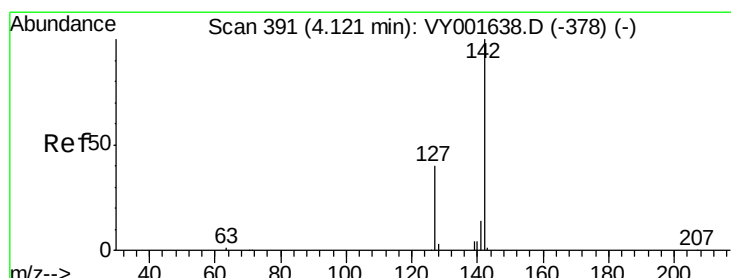
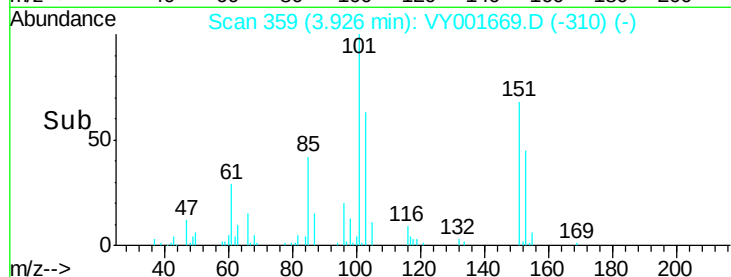
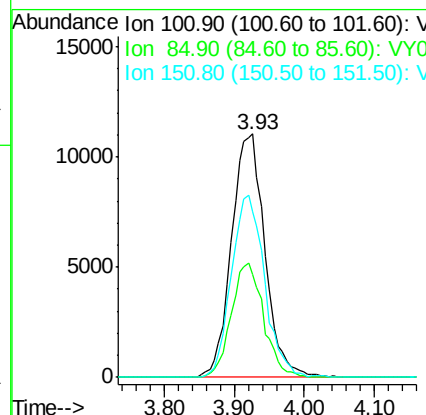
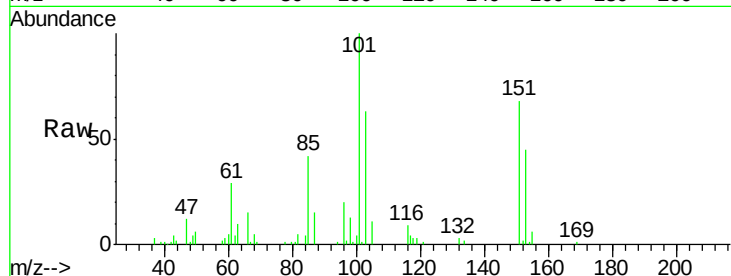
ClientSampleId :

VY0218SBS01

Tot Ion:	101	Resp:	36526
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.1	52.7
151	74.4	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.794 ug/l

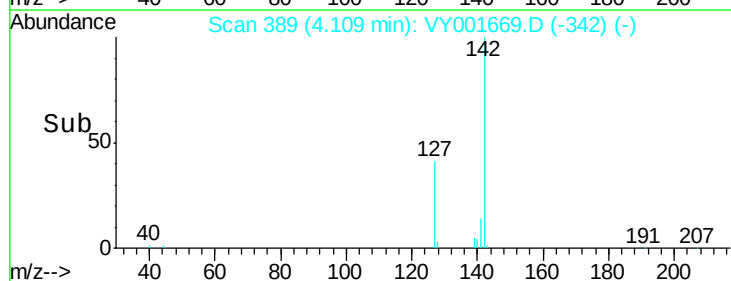
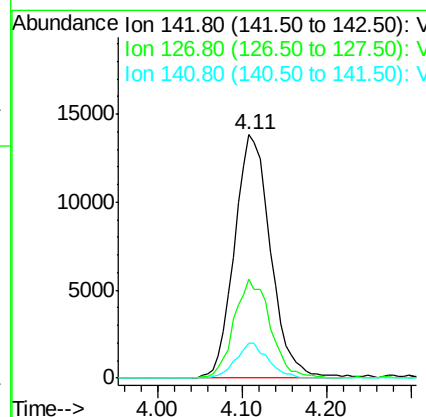
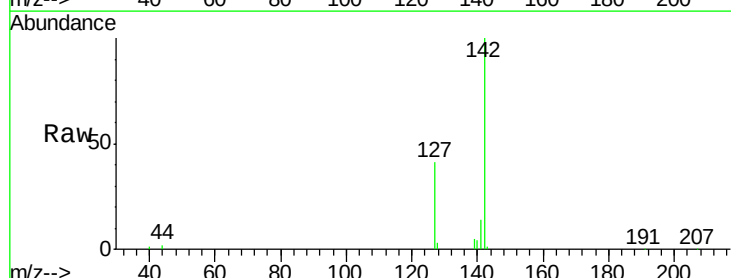
RT: 4.11 min Scan# 389

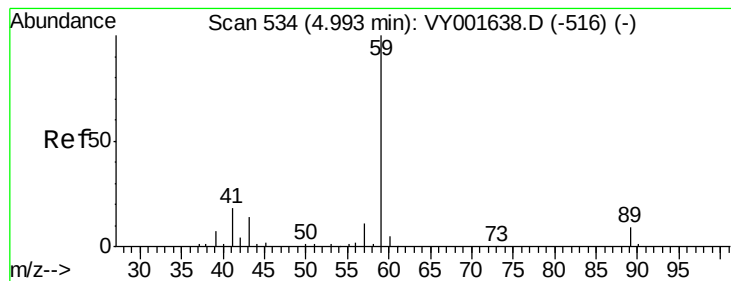
Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	142	Resp:	40224
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	12.9	11.3	16.9





#11

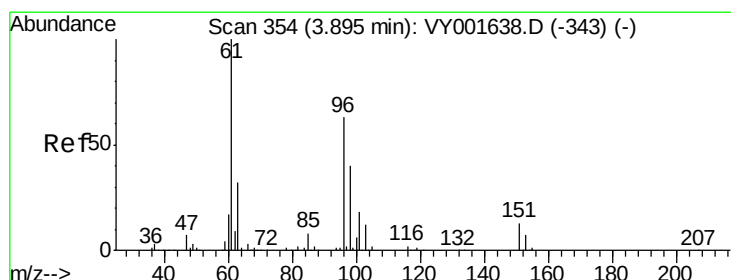
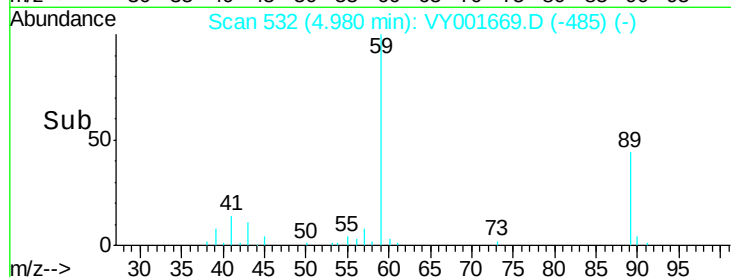
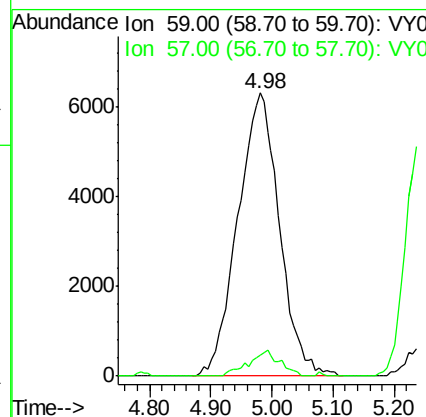
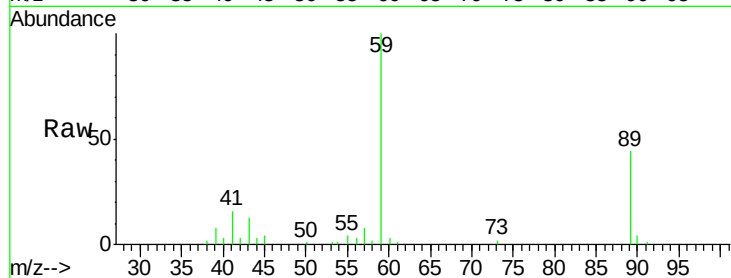
Tert butyl alcohol
 Concen: 116.136 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	7.4	11.2#

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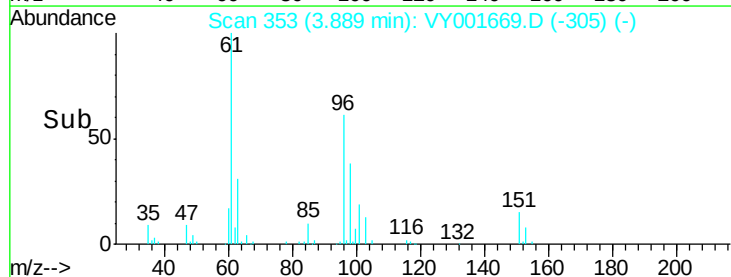
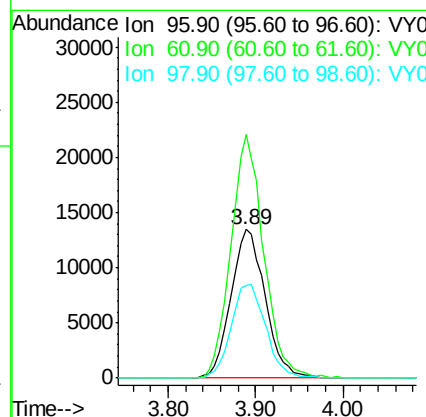
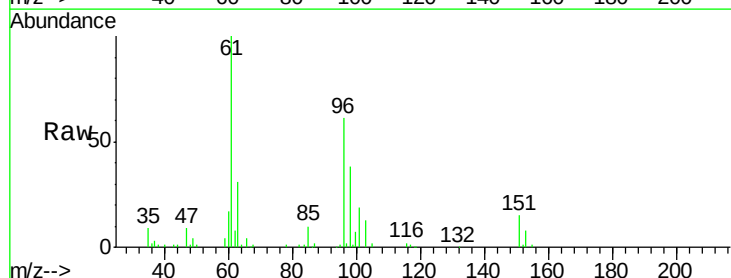
MMDadoda
 2/19/2020 1:42:58 PM

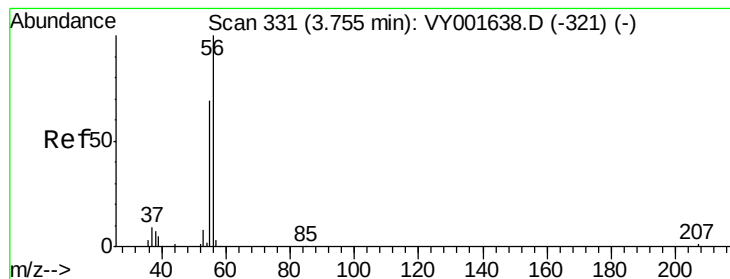


#12

1,1-Dichloroethene
 Concen: 18.365 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	128.7	193.1
98	62.5	50.7	76.1





#13

Acrolein

Concen: 105.127 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 56 Resp: 21009

Ion Ratio Lower Upper

56 100

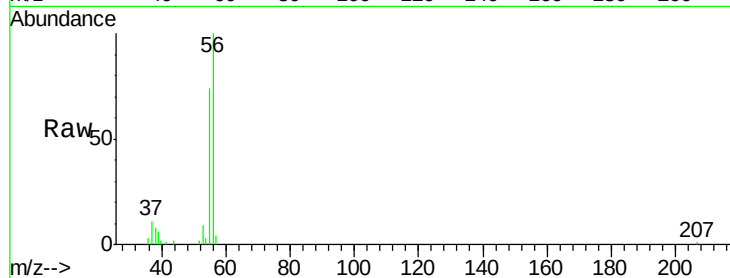
55 67.9 56.1 84.1

Manual Integrations

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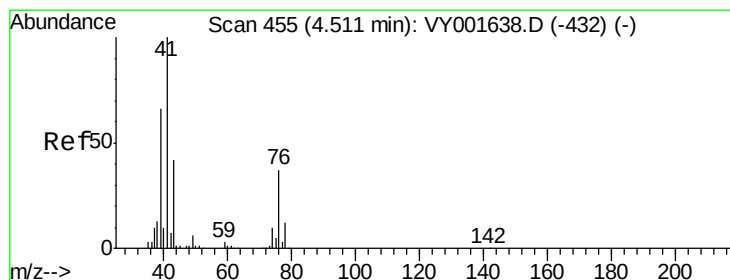
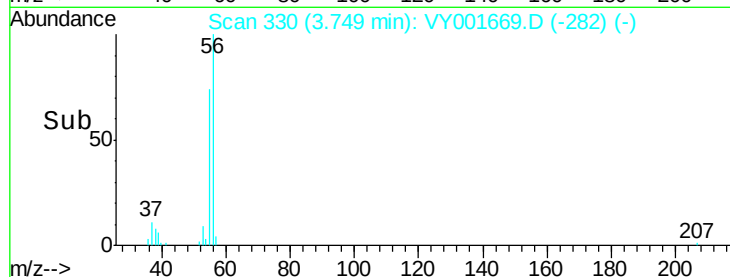
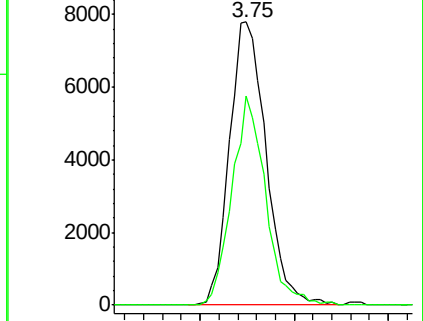
MMDadoda

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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: 18.394 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

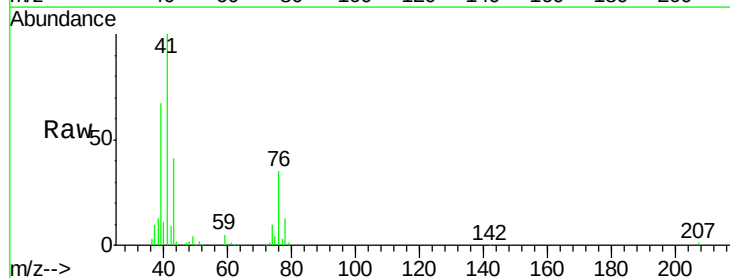
Tgt Ion: 41 Resp: 65342

Ion Ratio Lower Upper

41 100

39 64.5 49.4 74.0

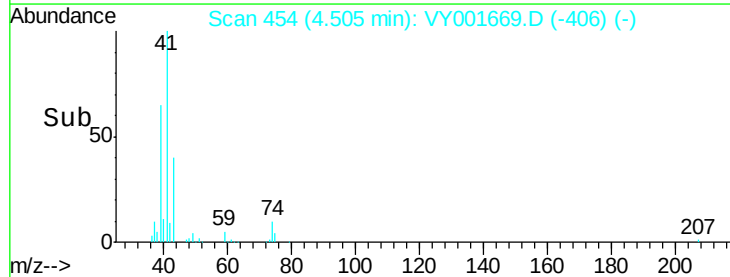
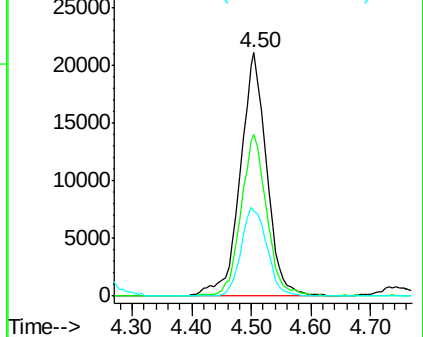
76 35.5 29.0 43.6

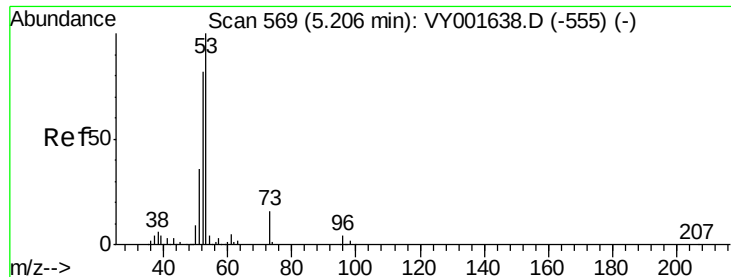


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 92.782 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

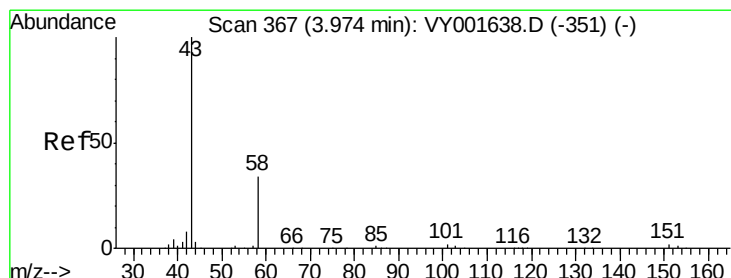
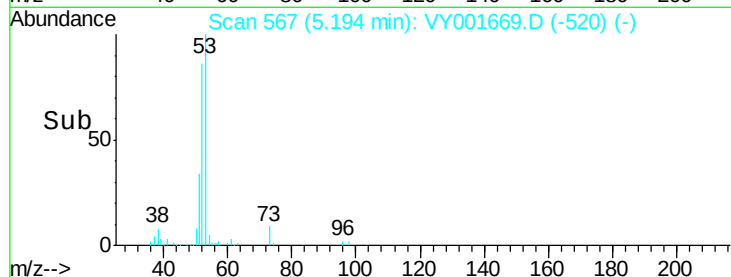
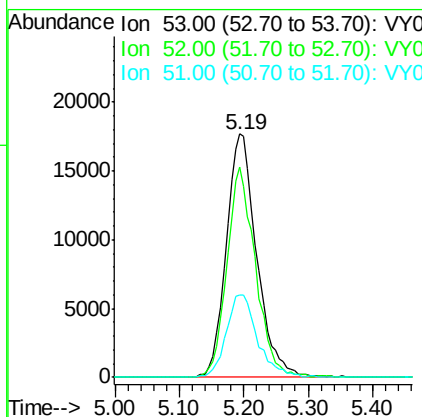
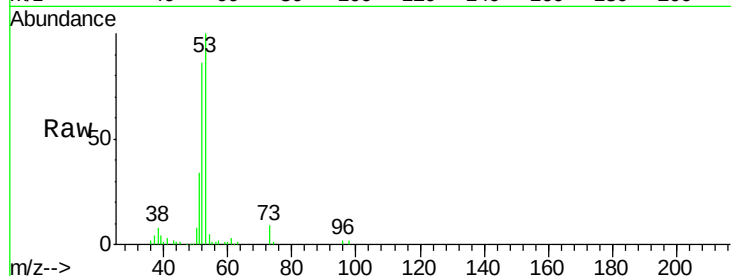
ClientSampleId :

VY0218SBS01

Tot Ion	53	Resp	58373
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.4	98.0
51	34.8	28.0	42.0

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 80.055 ug/l

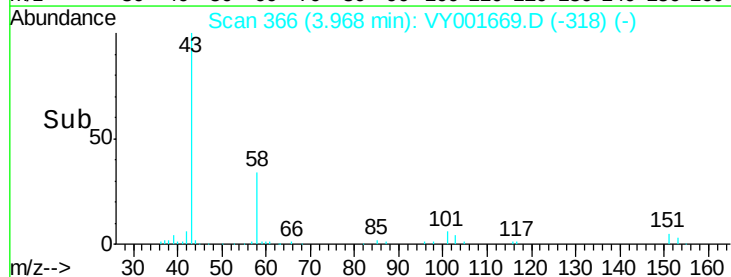
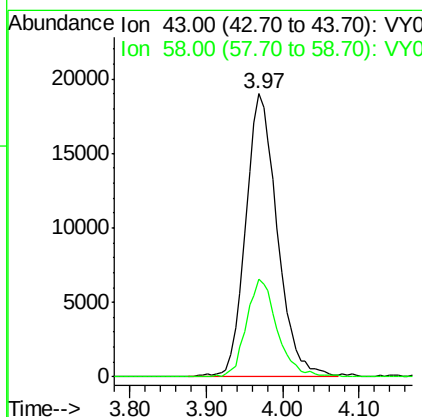
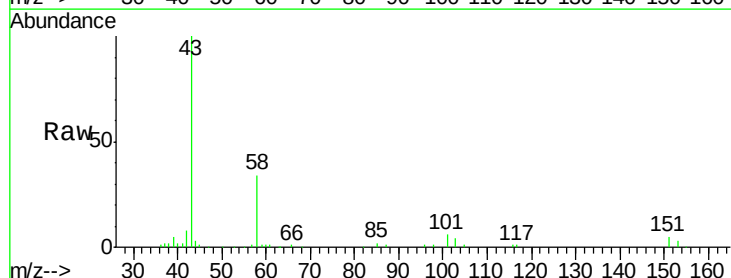
RT: 3.97 min Scan# 366

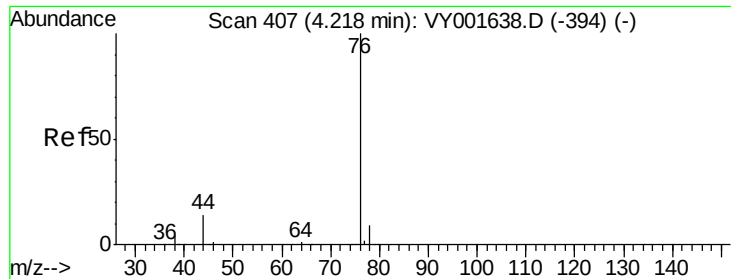
Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion	43	Resp	54811
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.3	40.9





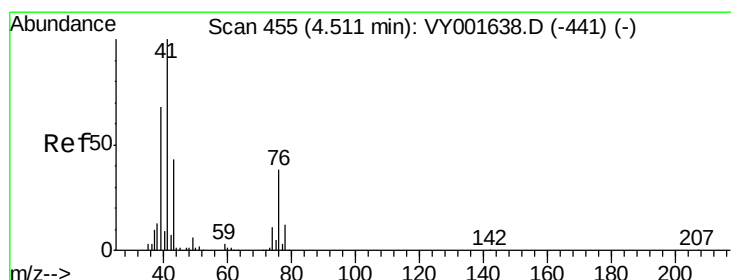
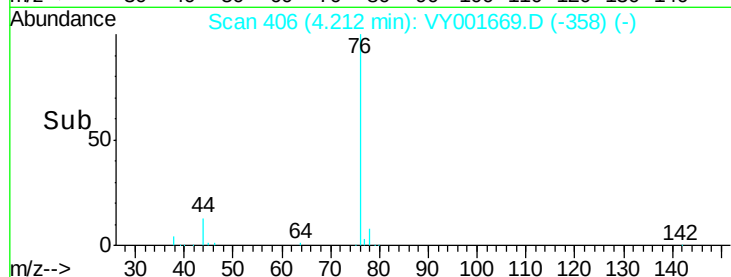
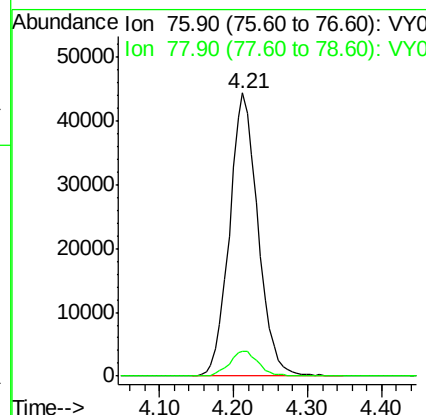
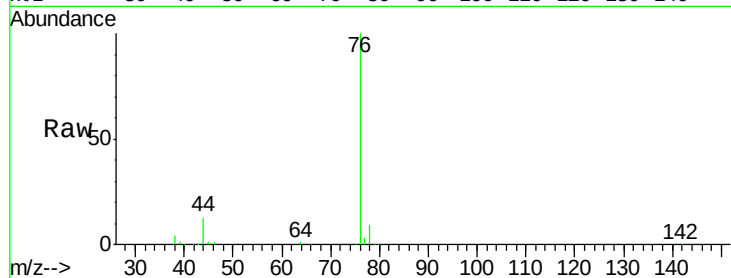
#17
Carbon Disulfide
Concen: 17.766 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

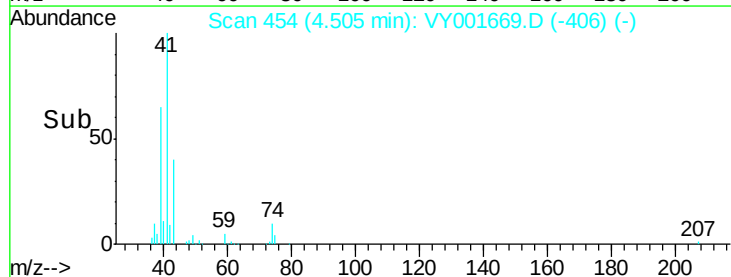
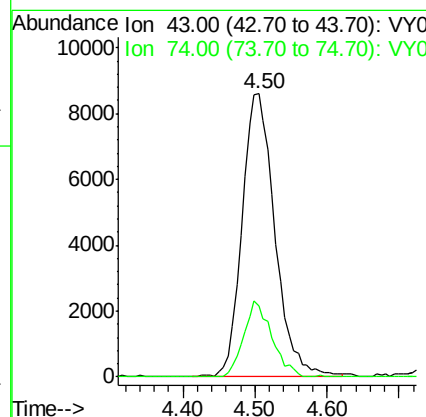
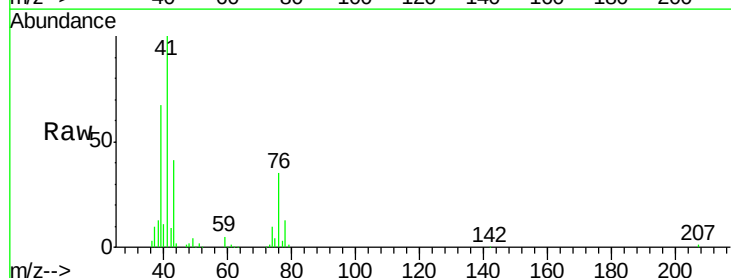
Manual Integrations
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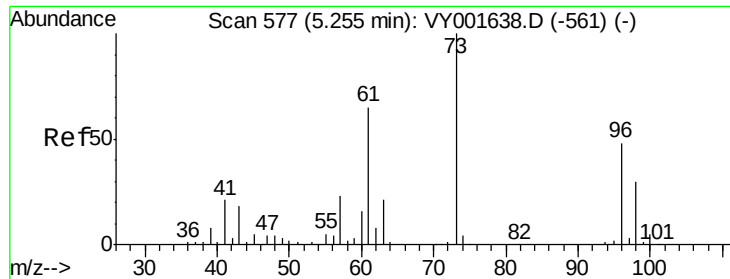
MMDadoda
2/19/2020 1:42:58 PM



#18
Methyl Acetate
Concen: 18.271 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.1	28.7





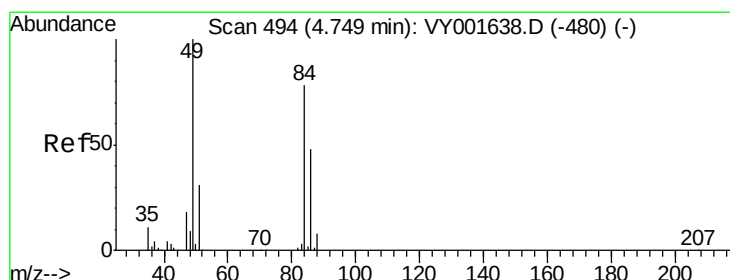
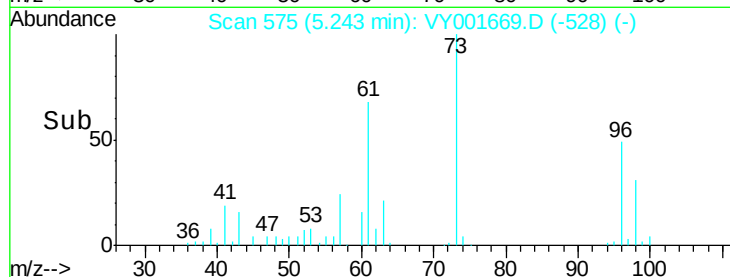
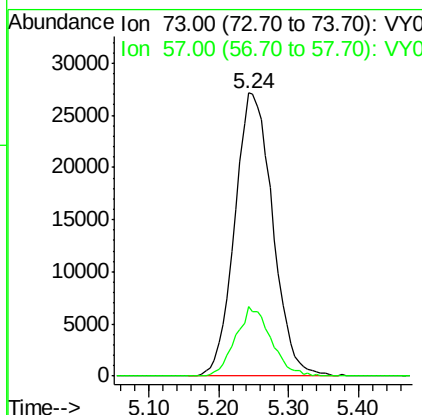
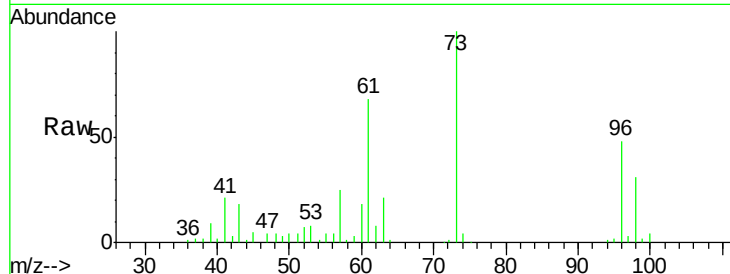
#19
Methyl tert-butyl Ether
Concen: 18.417 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 73 Resp: 102349
Ion Ratio Lower Upper
73 100
57 24.8 19.0 28.6

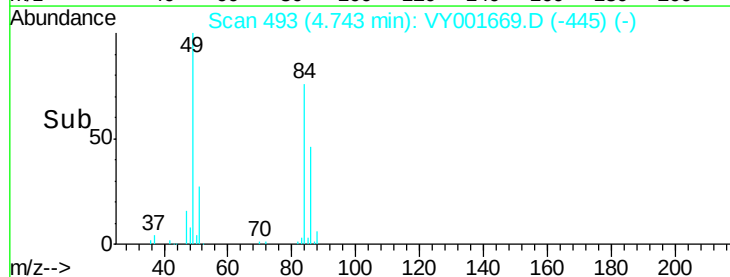
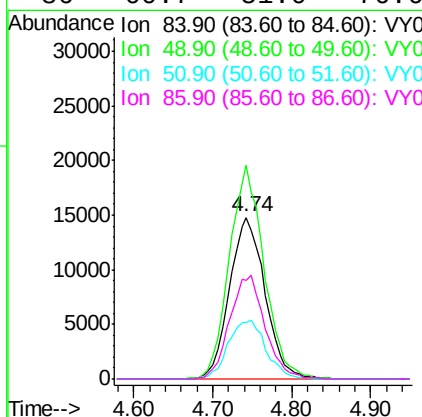
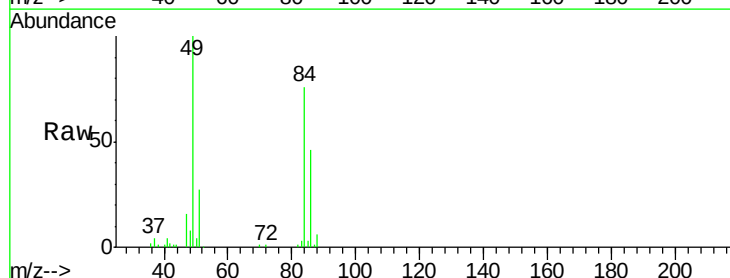
Manual Integrations
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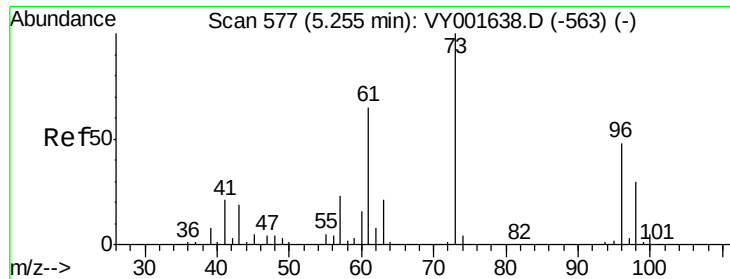
MMDadoda
2/19/2020 1:42:58 PM



#20
Methylene Chloride
Concen: 18.989 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion: 84 Resp: 46181
Ion Ratio Lower Upper
84 100
49 132.2 99.2 148.8
51 35.2 31.5 47.3
86 60.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.050 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

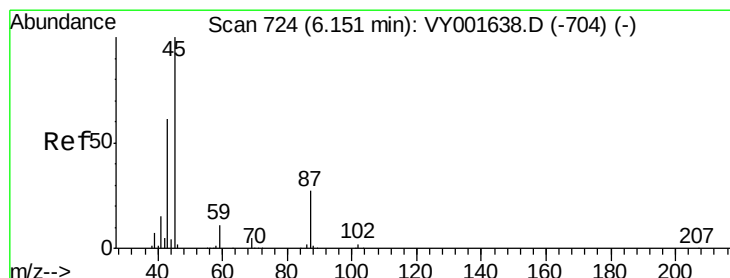
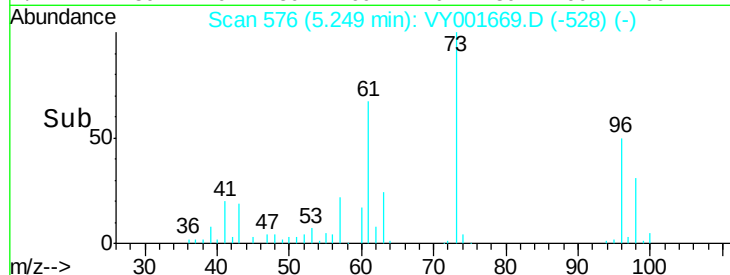
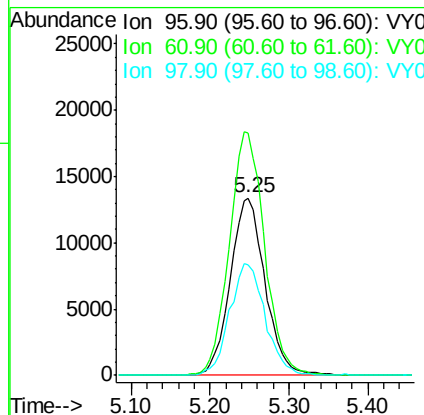
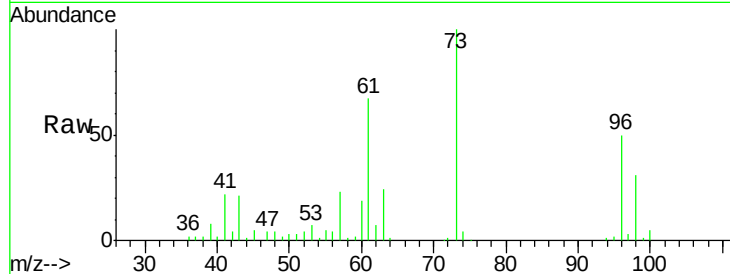
ClientSampleId :

VY0218SBS01

Tot Ion:	96	Resp:	41104
Ion	Ratio	Lower	Upper
96	100		
61	136.2	107.9	161.9
98	62.5	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.479 ug/l

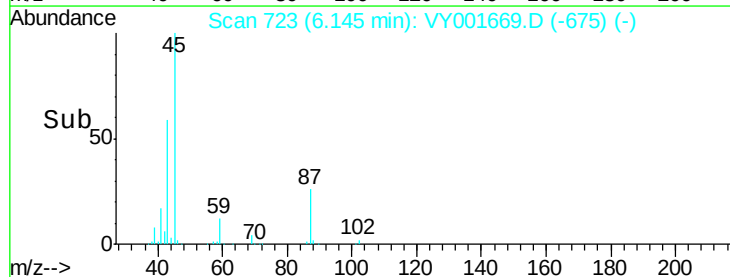
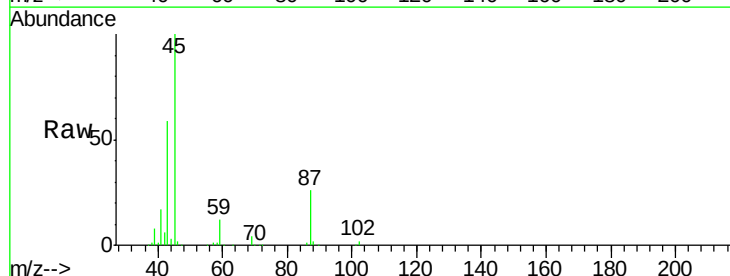
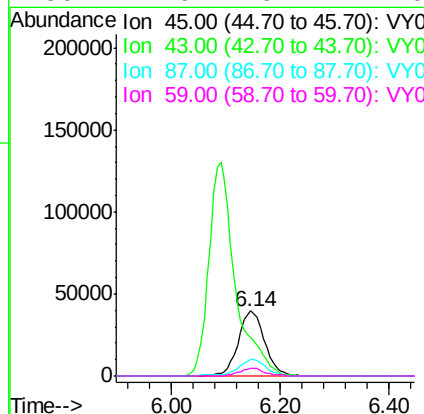
RT: 6.14 min Scan# 723

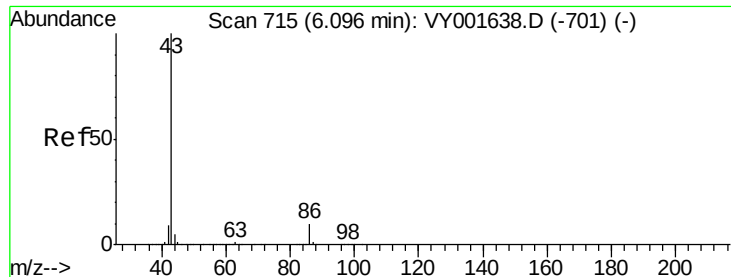
Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	45	Resp:	134803
Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.4	69.6
87	25.9	22.1	33.1
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 92.296 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 439188

Ion Ratio Lower Upper

43 100

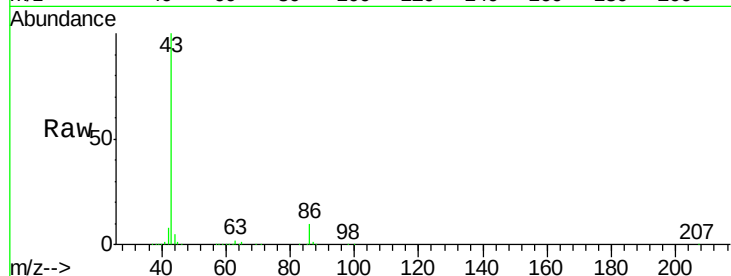
86 10.1 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

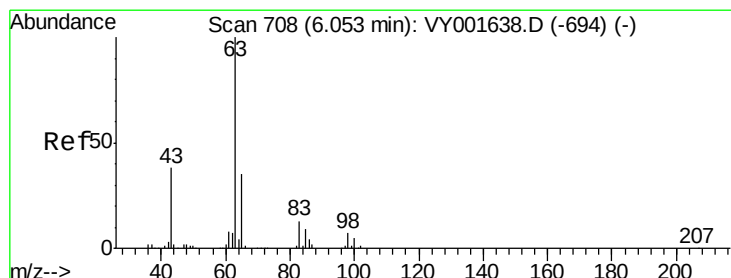
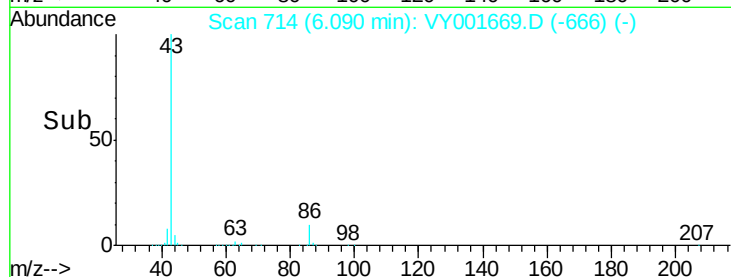
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 18.500 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

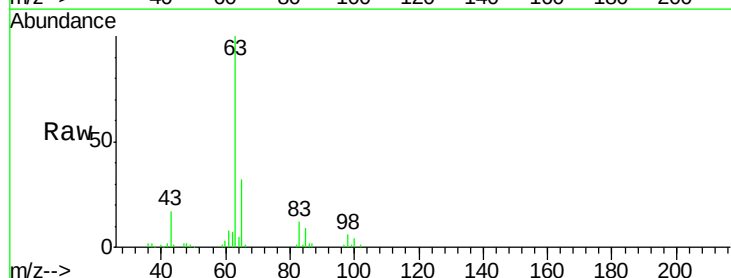
Tgt Ion: 63 Resp: 72133

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.5 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

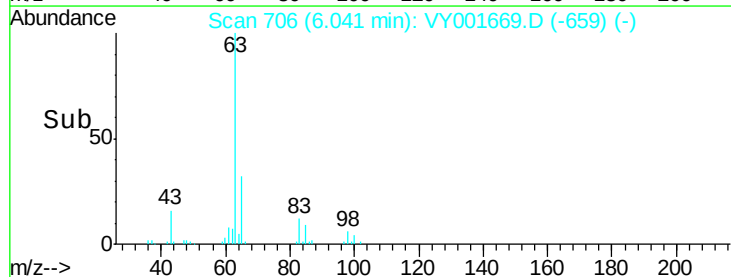
15000

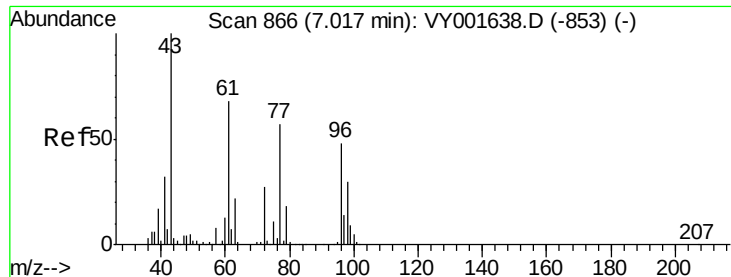
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 87.691 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 81561

Ion Ratio Lower Upper

43 100

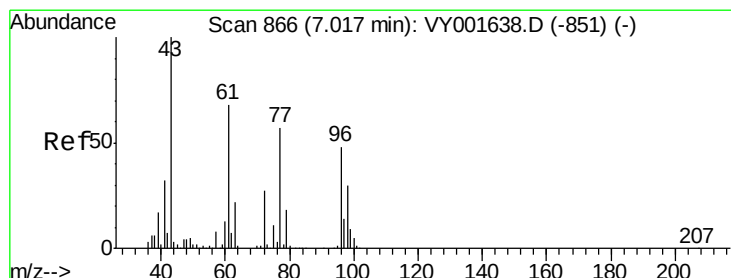
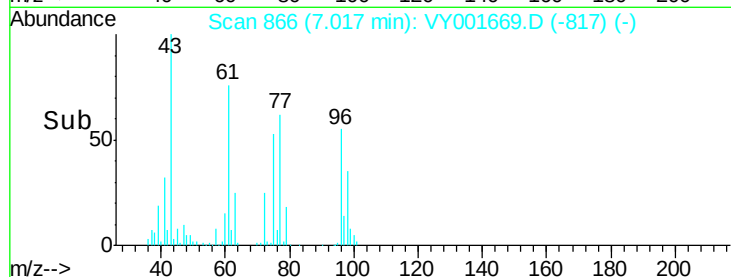
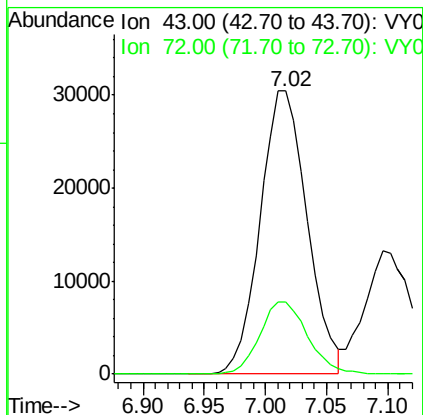
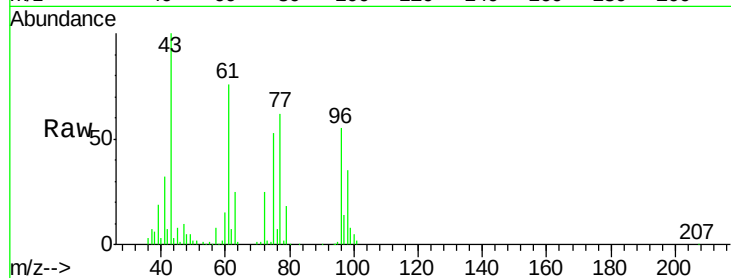
72 25.5 21.2 31.8

Manual Integrations

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MMDadoda

2/19/2020 1:42:58 PM



#26

2,2-Dichloropropane

Concen: 18.254 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001669.D

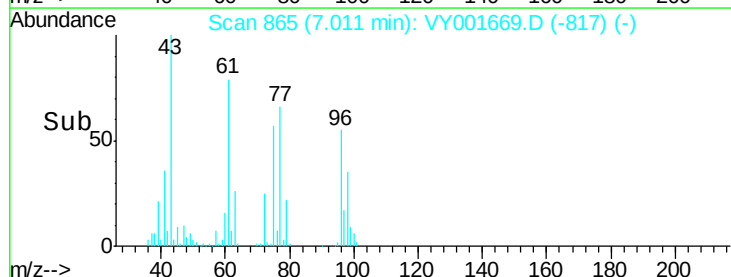
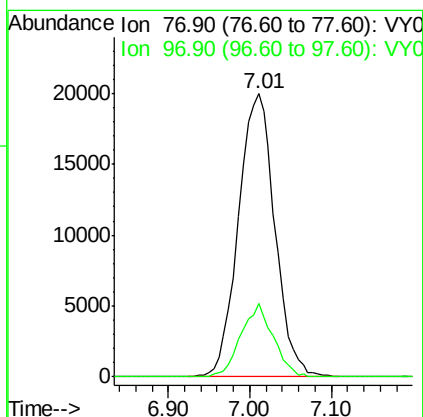
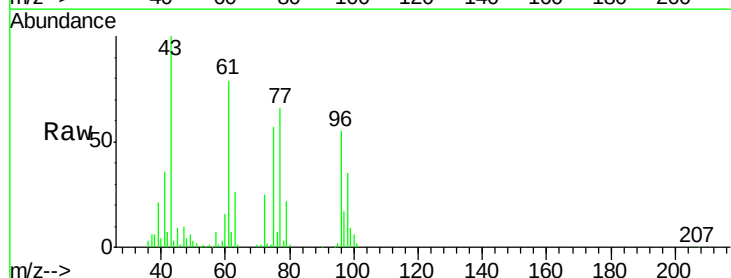
Acq: 18 Feb 2020 13:13

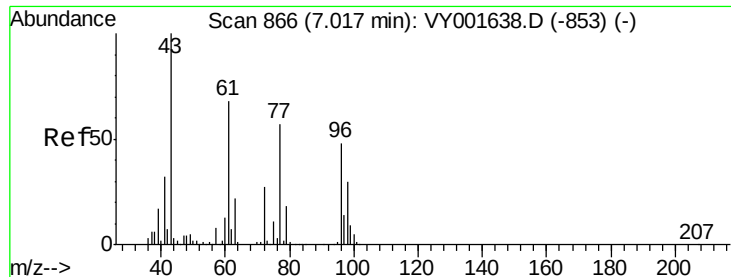
Tgt Ion: 77 Resp: 61922

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.4





#27

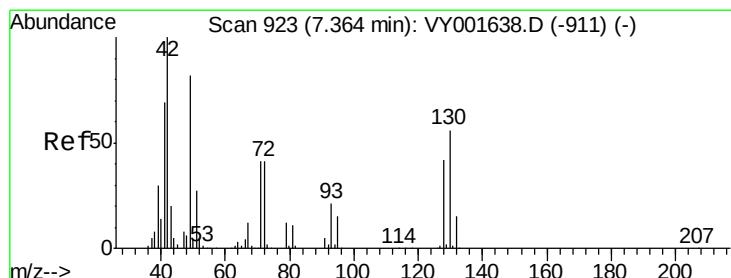
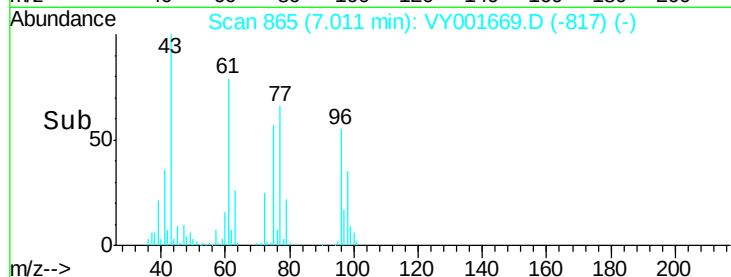
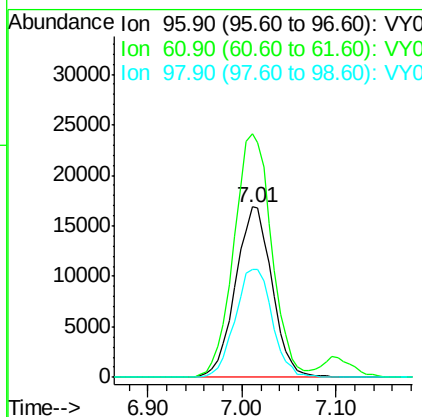
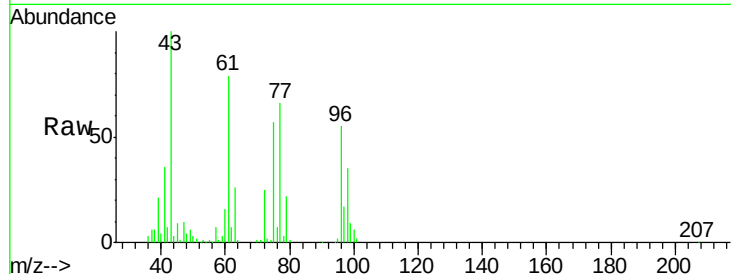
cis-1,2-Dichloroethene
 Concen: 18.176 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	290.8
98	64.5	0.0	128.6

Manual Integrations
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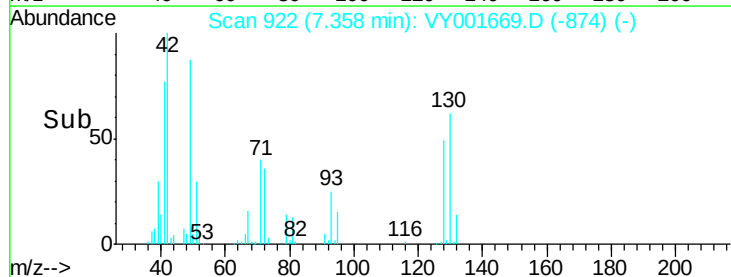
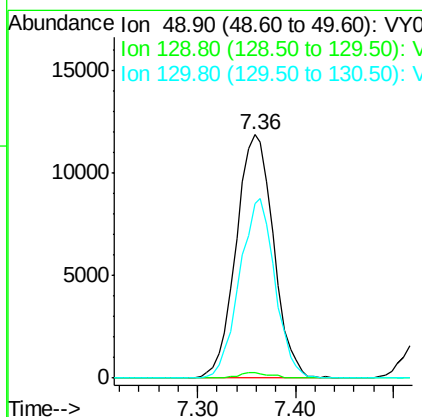
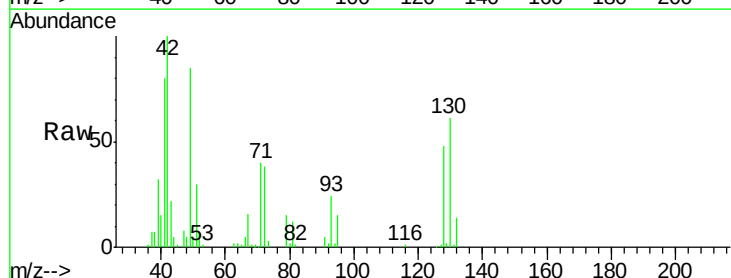
MMDadoda
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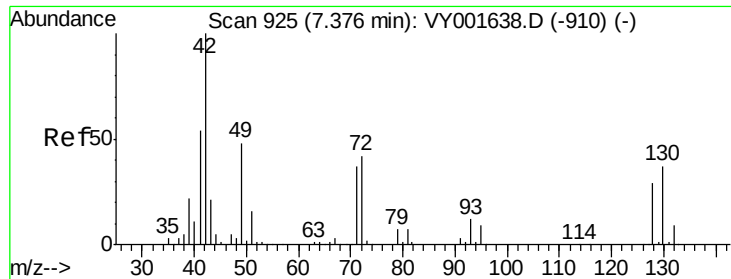


#28

Bromochloromethane
 Concen: 19.346 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.6	56.2	84.4





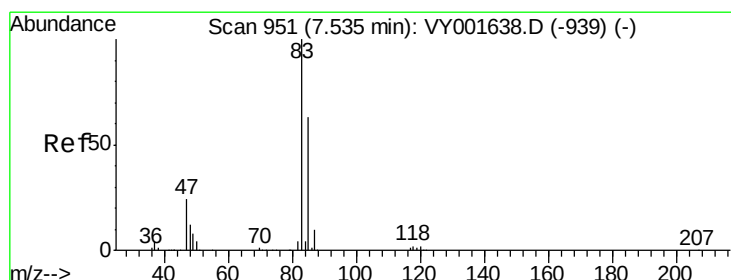
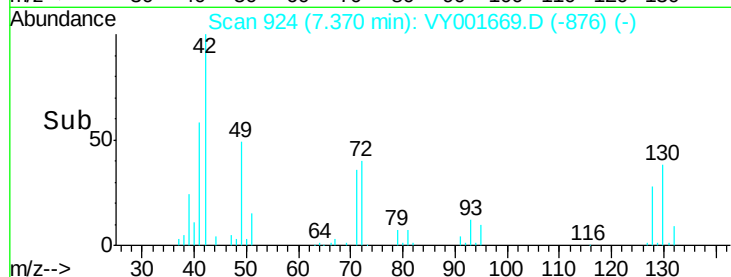
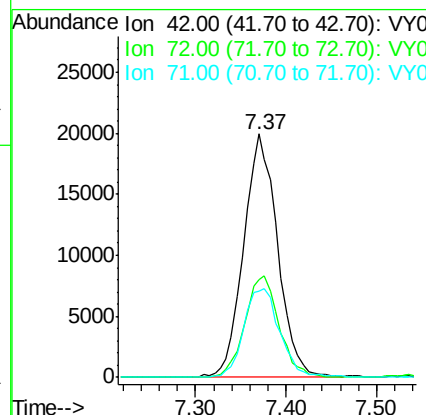
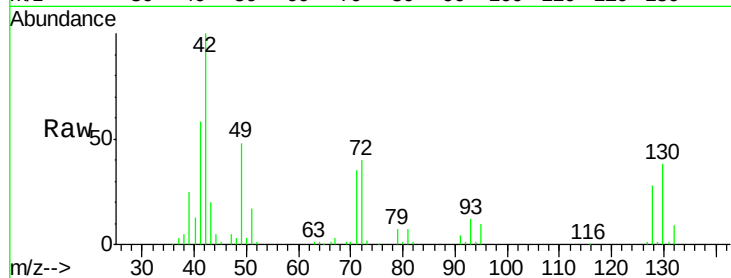
#29
Tetrahydrofuran
Concen: 92.102 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.4	51.6
71	38.5	31.8	47.8

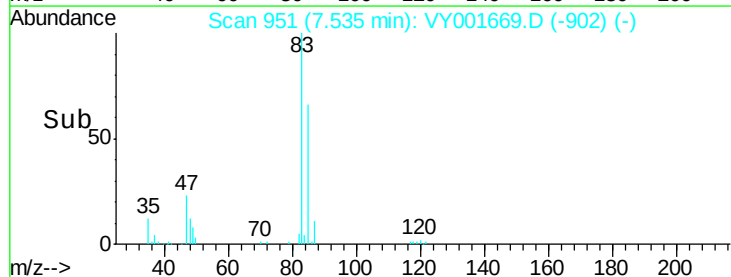
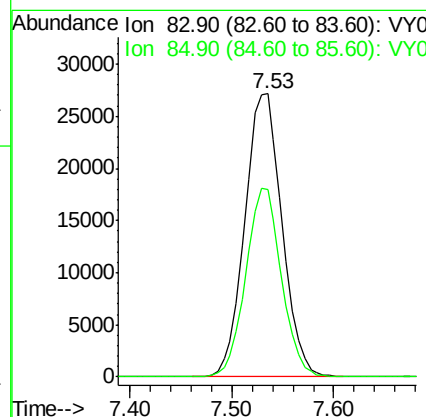
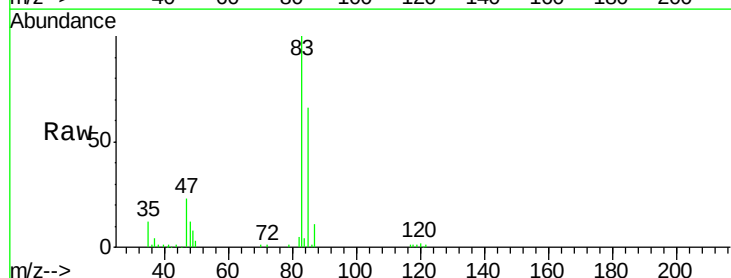
Manual Integrations
APPROVED

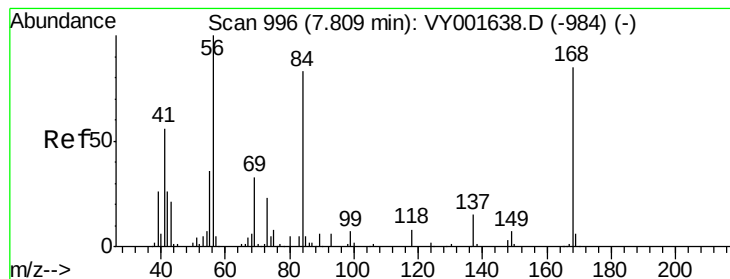
MMDadoda
2/19/2020 1:42:58 PM



#30
Chloroform
Concen: 18.058 ug/l
RT: 7.53 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4





#31

Cyclohexane

Concen: 18.324 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

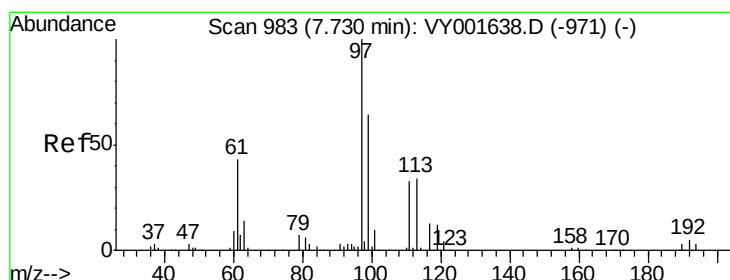
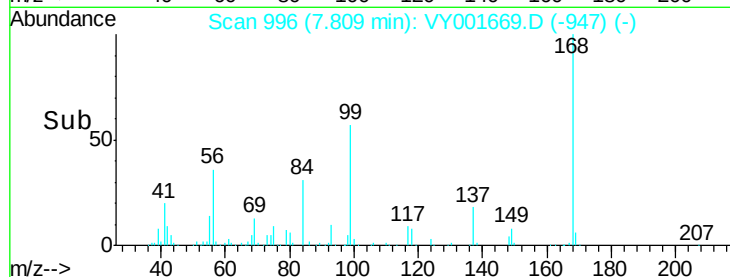
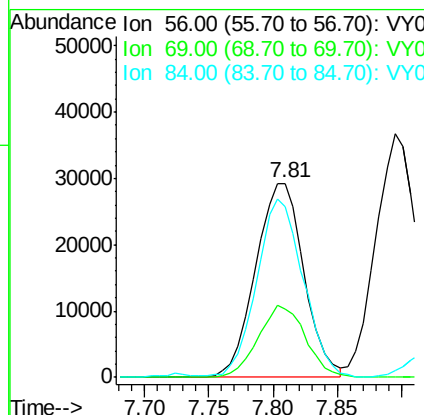
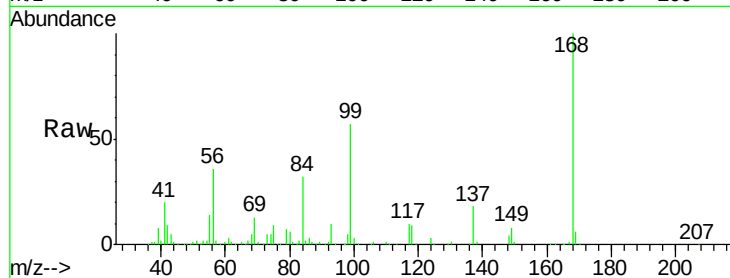
ClientSampleId :

VY0218SBS01

Tot Ion:	56	Resp:	76176
Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.1	37.7
84	87.2	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.336 ug/l

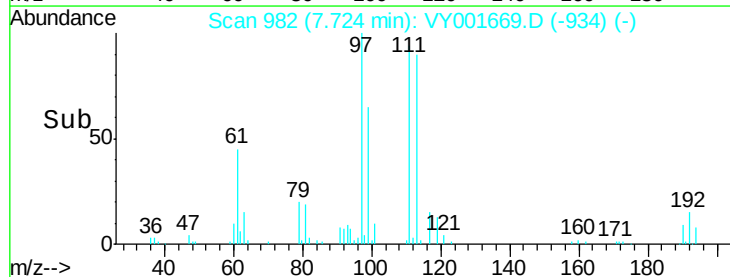
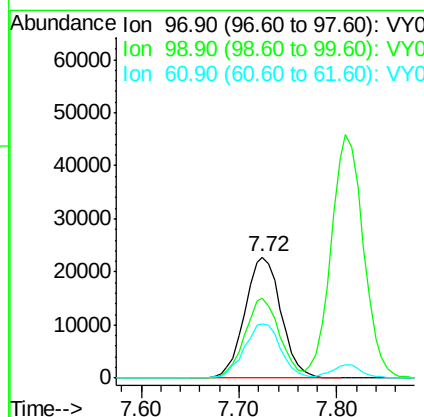
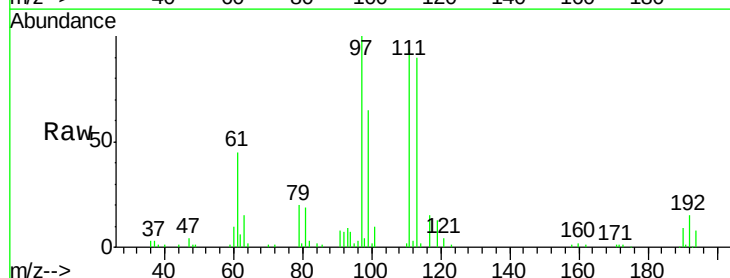
RT: 7.72 min Scan# 982

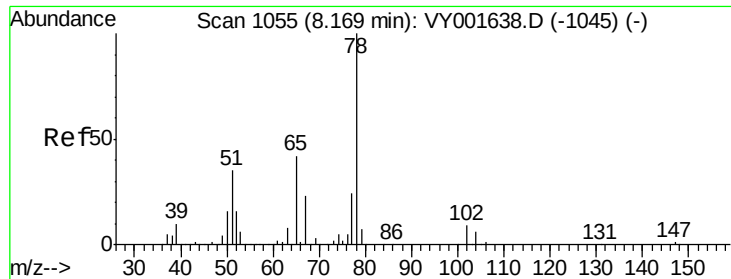
Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	97	Resp:	58713
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	45.1	35.0	52.6





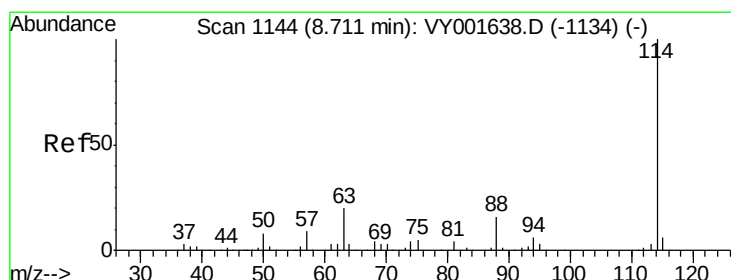
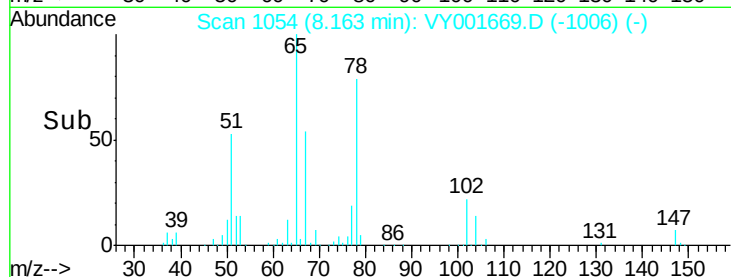
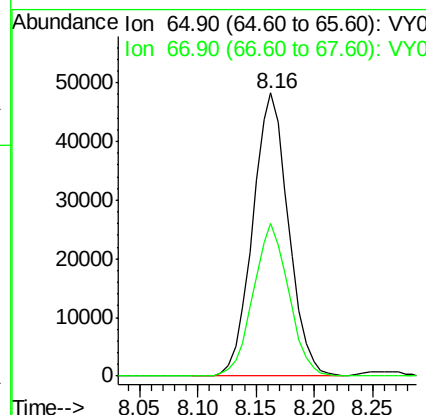
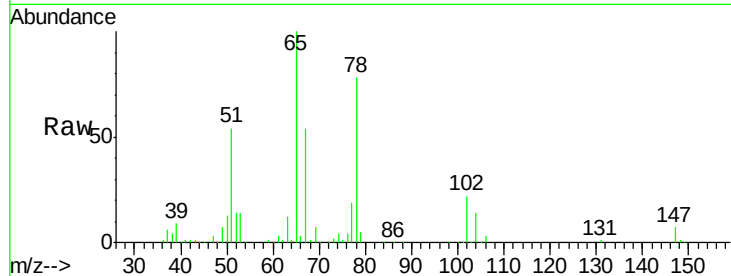
#33
 1,2-Dichloroethane-d4
 Concen: 52.136 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 65 Resp: 103164
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 111.0

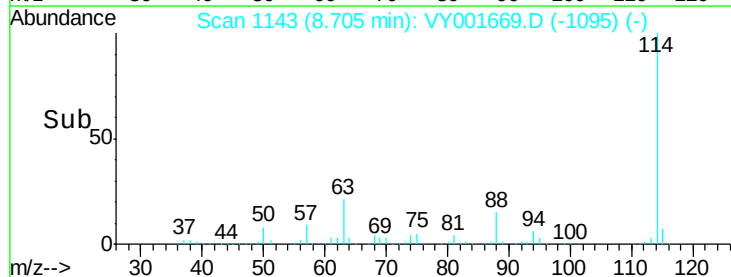
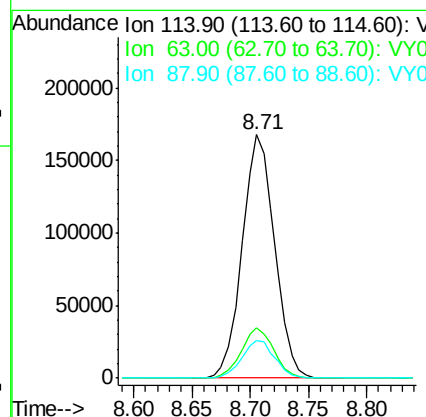
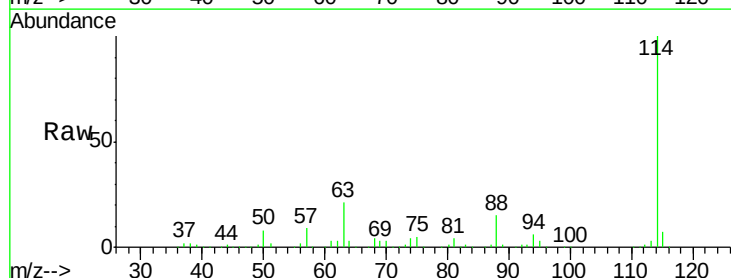
Manual Integrations
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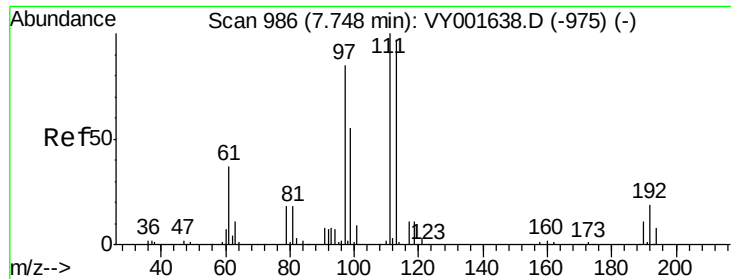
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion: 114 Resp: 325202
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.5 0.0 32.8





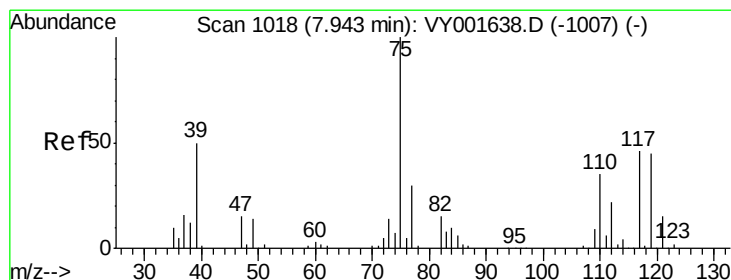
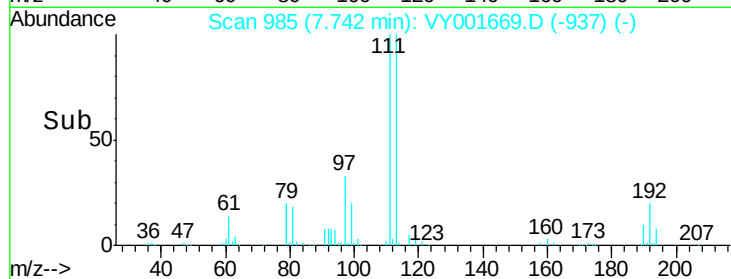
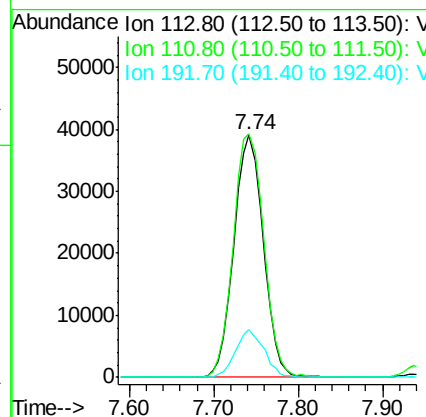
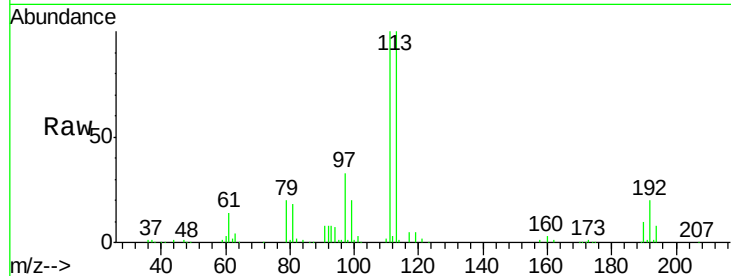
#35
Dibromofluoromethane
Concen: 49.485 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	92171		
111	104.6	81.9	122.9	
192	19.1	14.3	21.5	

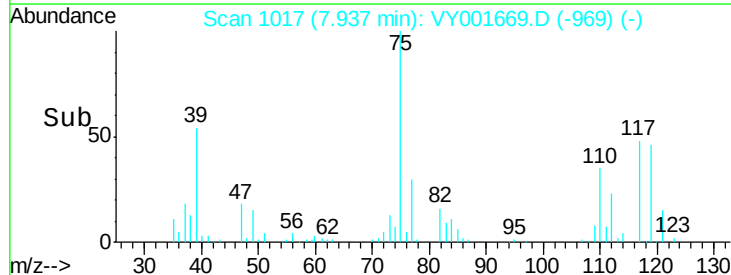
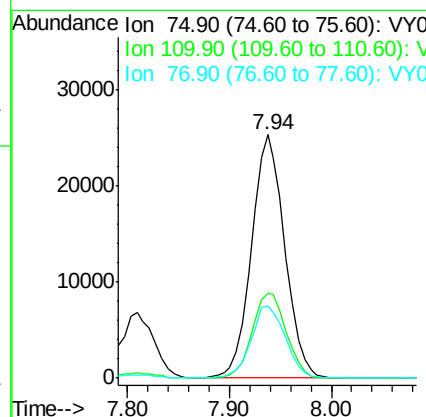
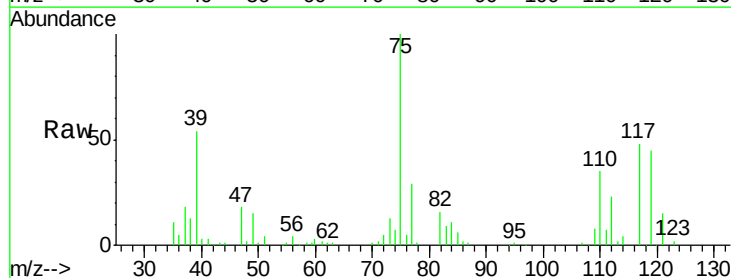
Manual Integrations
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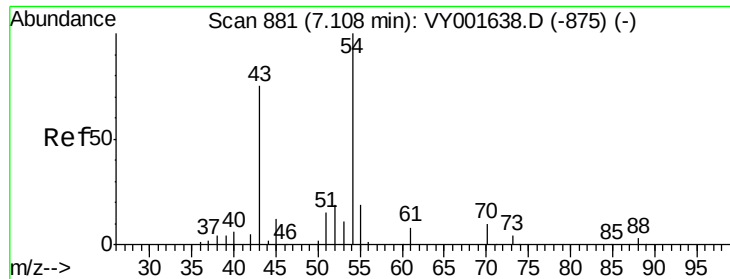
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#36
1,1-Dichloropropene
Concen: 18.472 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57380		
110	35.8	17.2	51.6	
77	30.6	24.8	37.2	





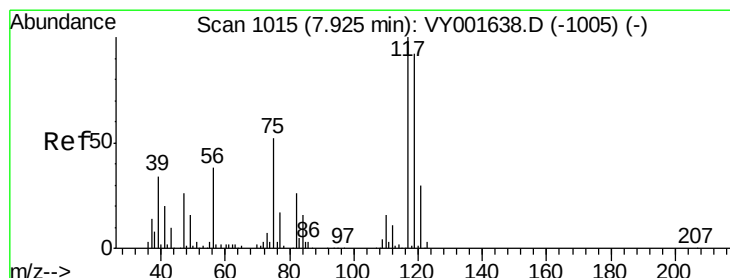
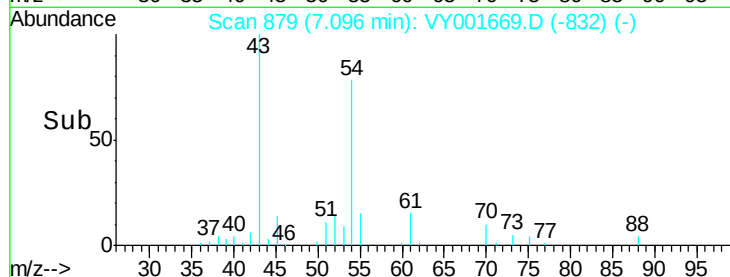
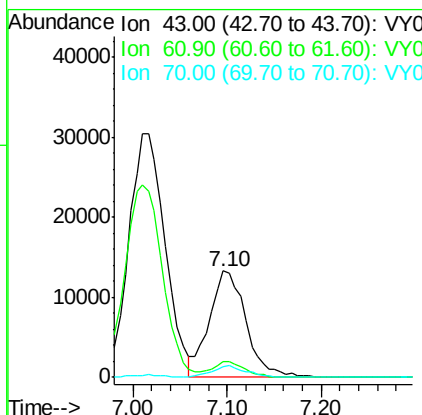
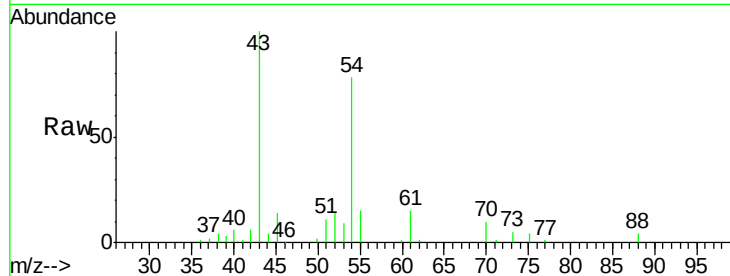
#37
Ethyl Acetate
Concen: 19.496 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.0	16.6
70	9.9	8.8	13.2

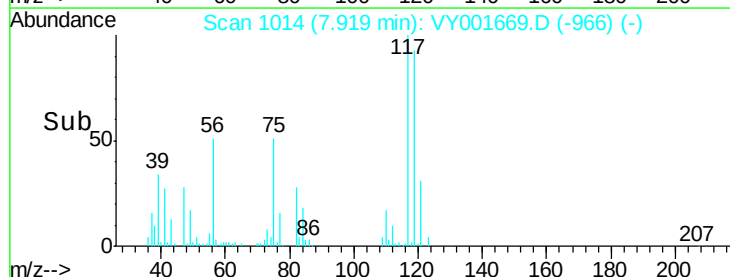
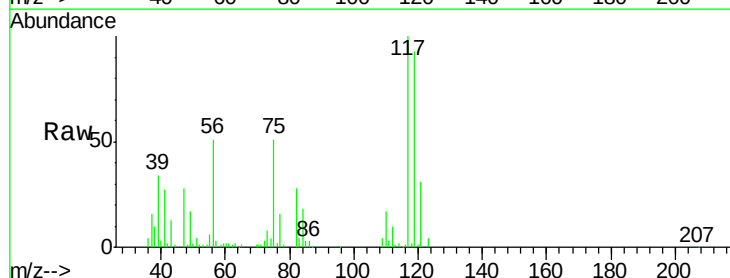
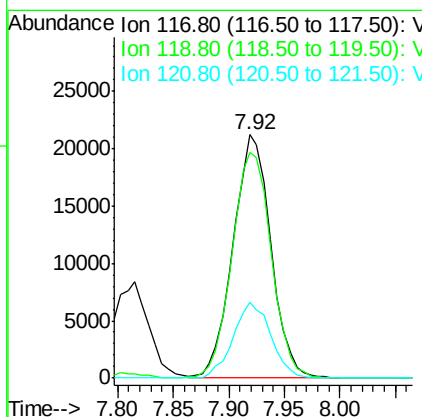
Manual Integrations
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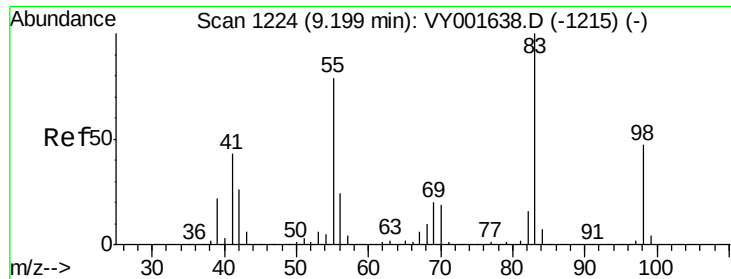
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#38
Carbon Tetrachloride
Concen: 18.343 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	74.8	112.2
121	31.4	23.8	35.6





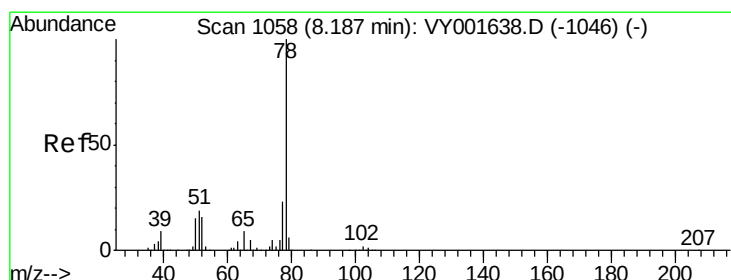
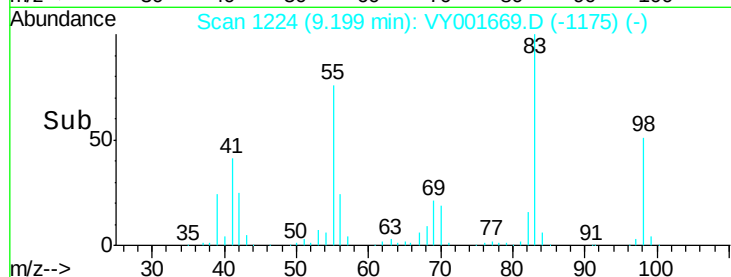
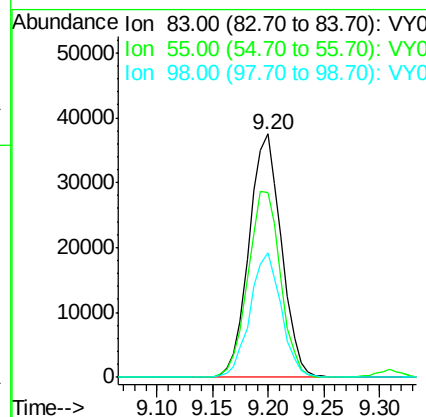
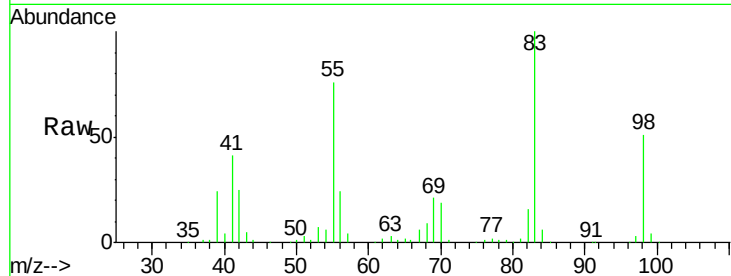
#39
Methylvlcyclohexane
Concen: 18.412 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.3	91.9
98	51.3	38.0	57.0

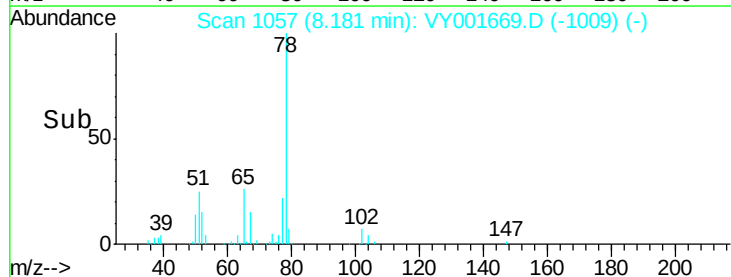
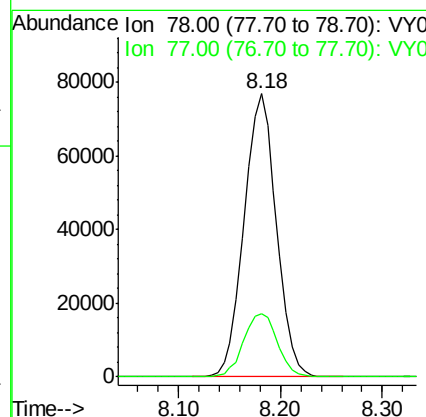
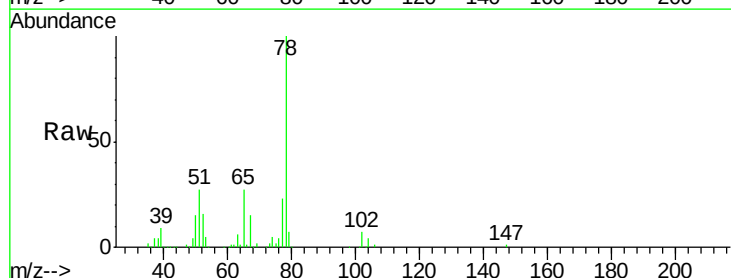
Manual Integrations
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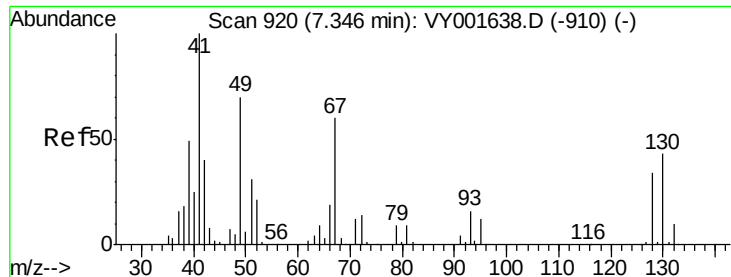
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#40
Benzene
Concen: 18.487 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.2	27.4





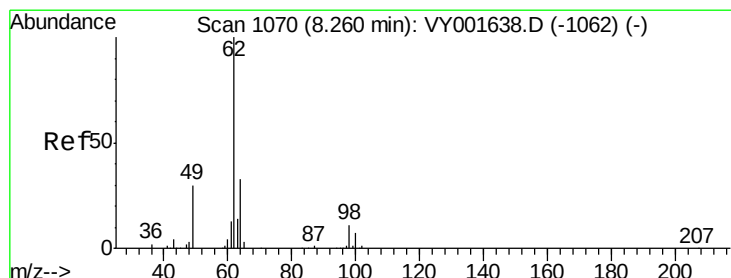
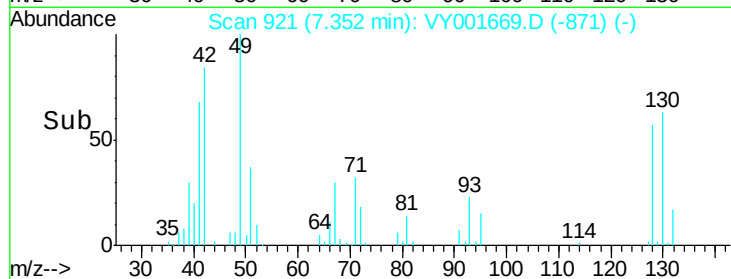
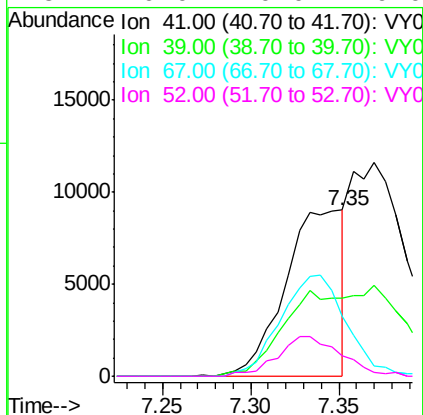
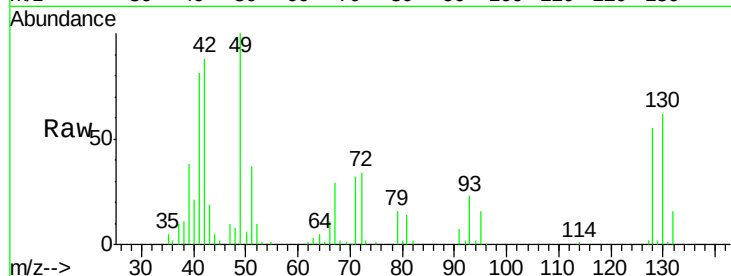
#41
Methacrylonitrile
Concen: 22.626 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

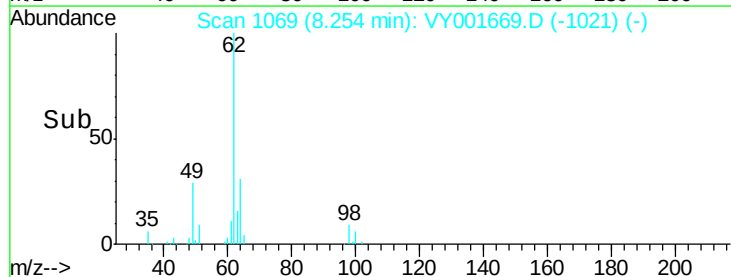
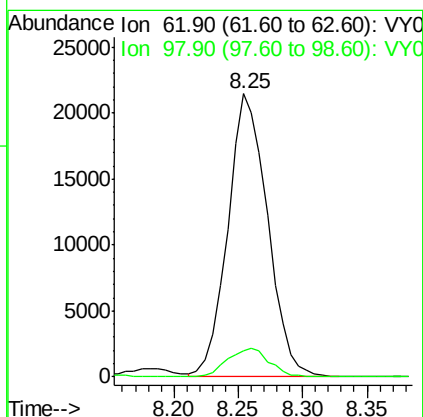
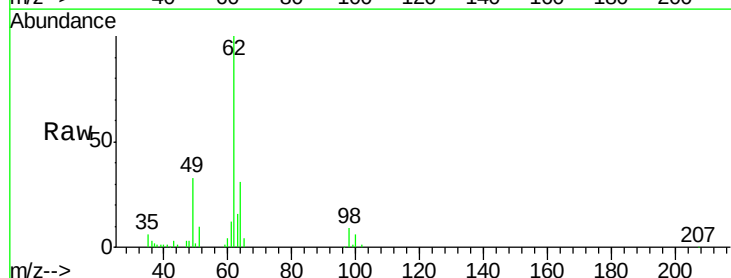
Manual Integrations
APPROVED

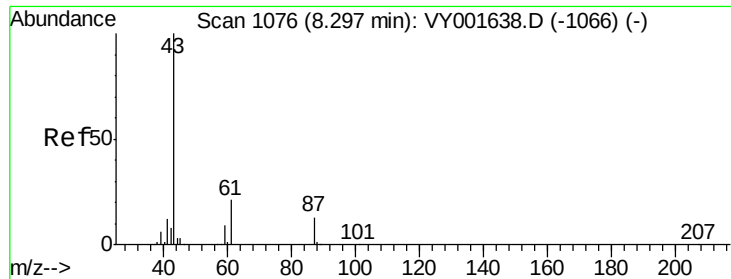
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.473 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





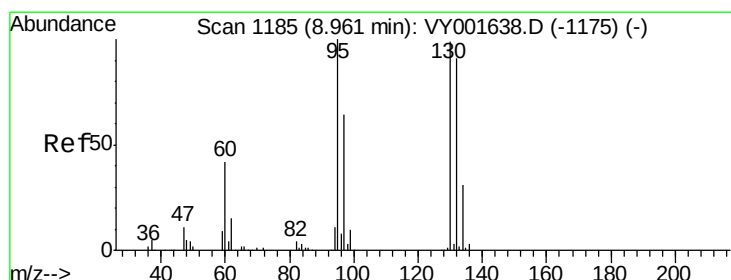
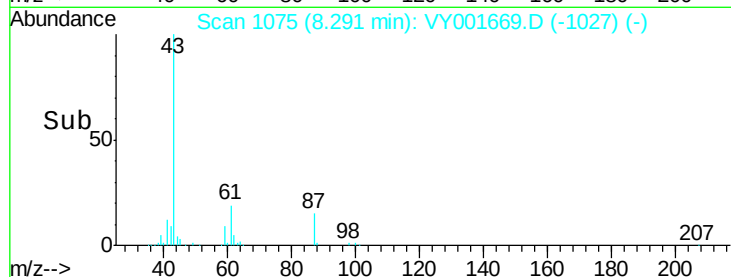
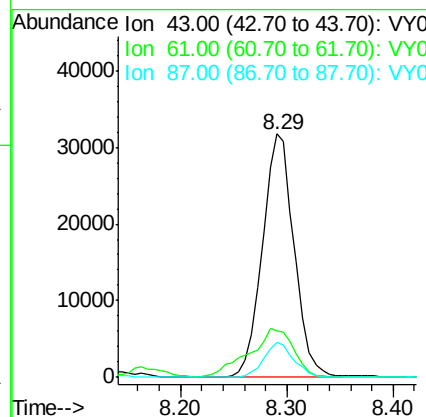
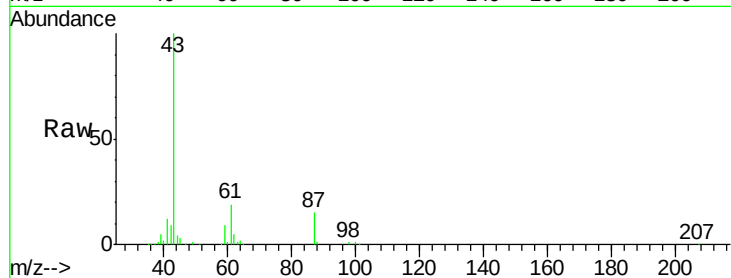
#43
Isopropyl Acetate
Concen: 18.777 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	23.0	34.4
87	13.6	10.7	16.1

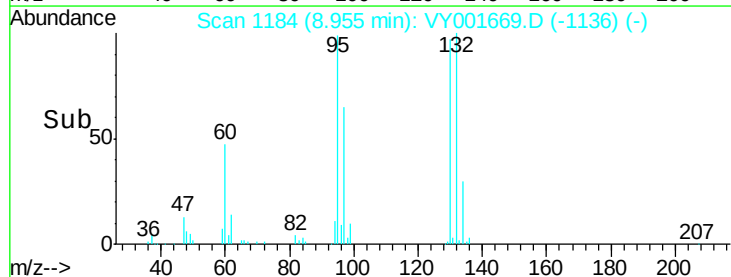
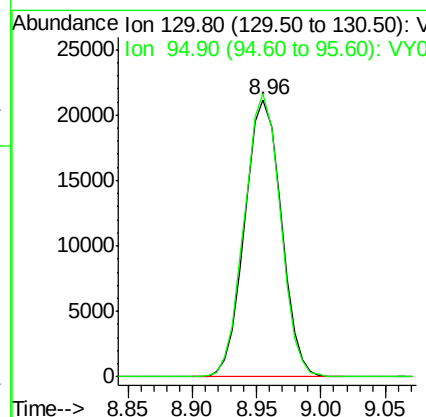
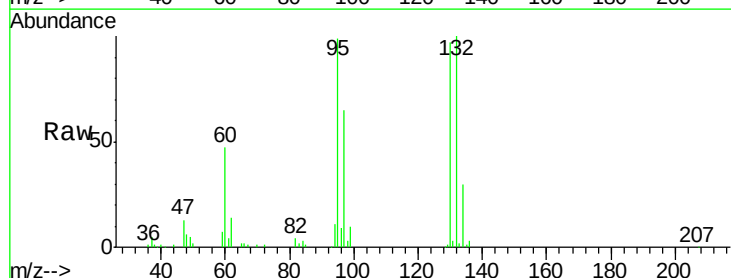
Manual Integrations
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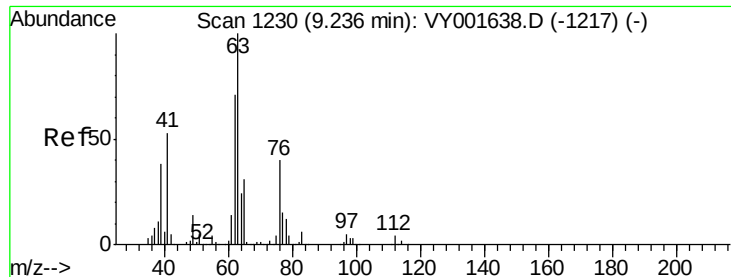
MMDadoda
2/19/2020 1:42:58 PM



#44
Trichloroethene
Concen: 18.219 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	200.6





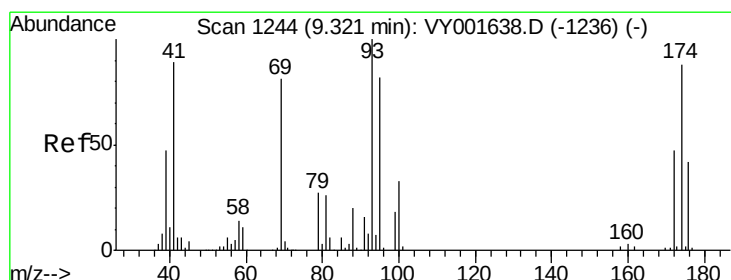
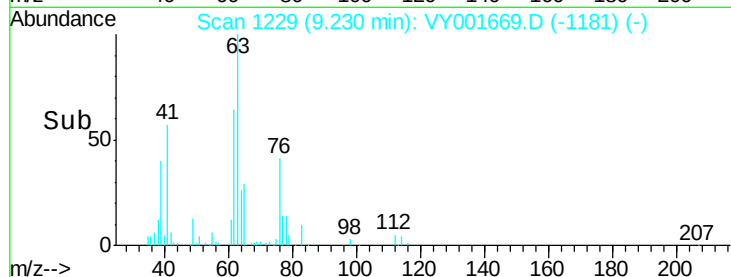
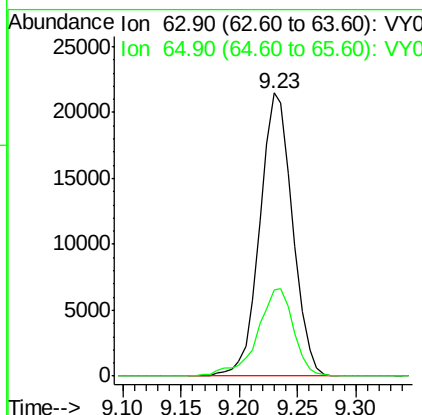
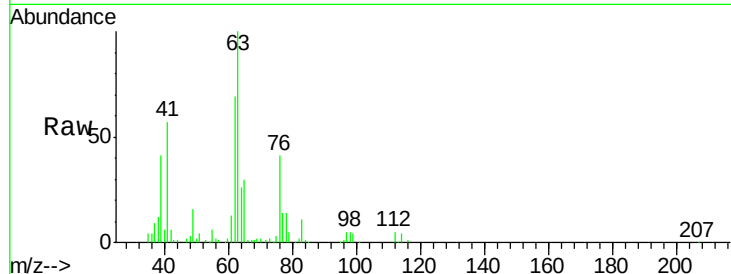
#45
 1,2-Dichloropropane
 Concen: 18.391 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 63 Resp: 42079
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

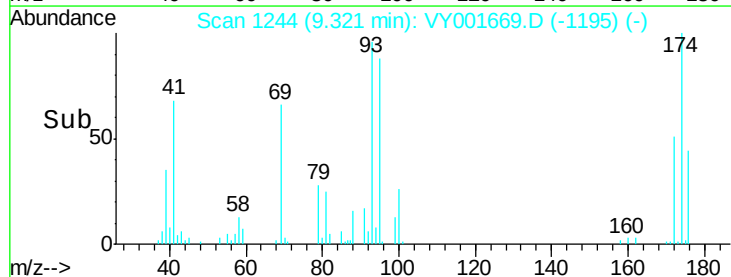
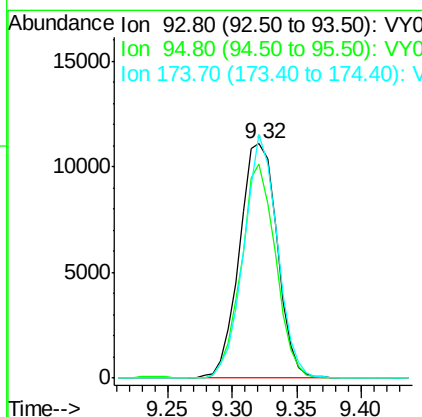
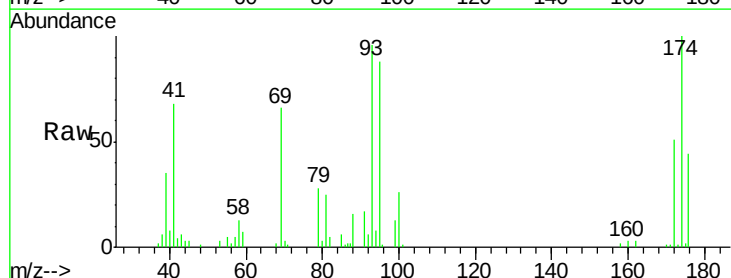
Manual Integrations
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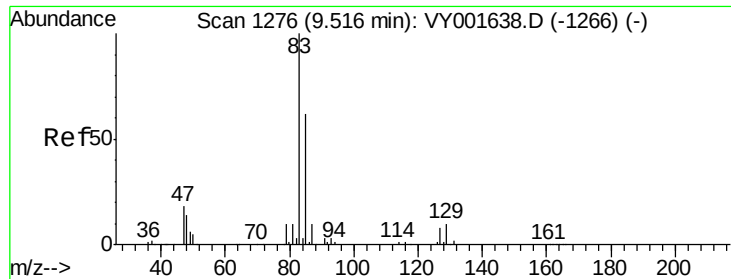
MMDadoda
 2/19/2020 1:42:58 PM



#46
 Dibromomethane
 Concen: 18.803 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion: 93 Resp: 22502
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.1 99.1
 174 91.5 72.5 108.7





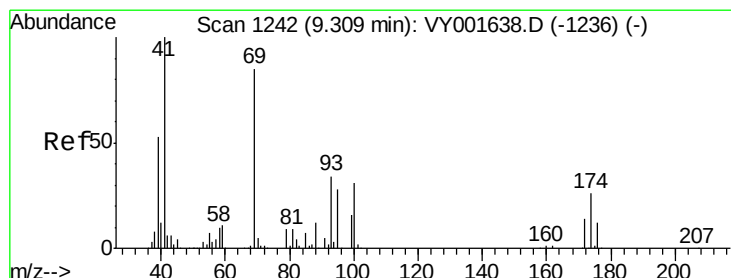
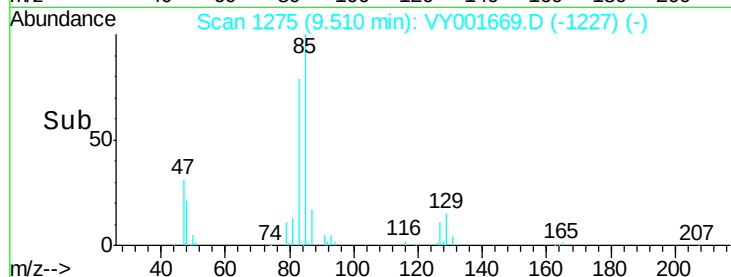
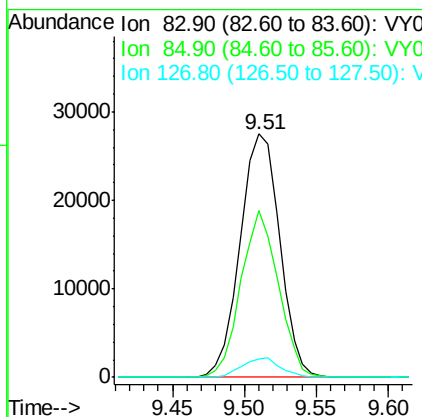
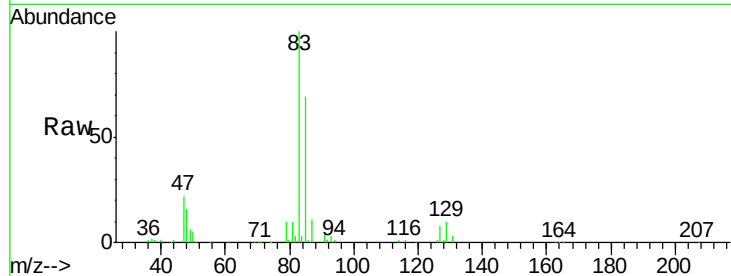
#47
Bromodichloromethane
Concen: 18.140 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	83	Resp	52392
Ion Ratio	100		
85	68.7	51.4	77.0
127	7.6	6.4	9.6

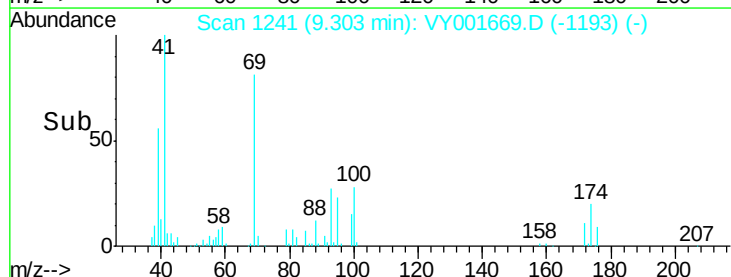
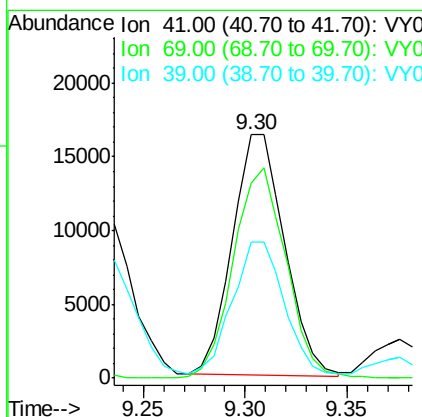
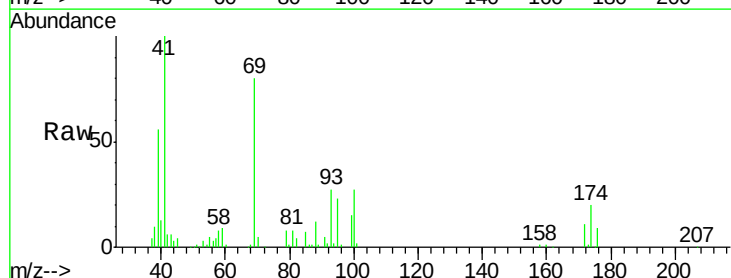
Manual Integrations
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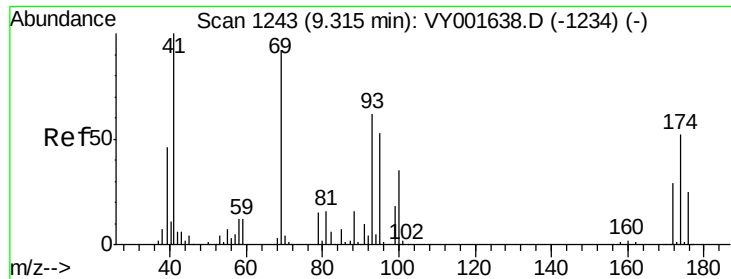
MMDadoda
2/19/2020 1:42:58 PM



#48
Methyl methacrylate
Concen: 18.244 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	41	Resp	29025
Ion Ratio	100		
69	88.3	70.7	106.1
39	57.8	42.2	63.2





#49

1,4-Dioxane

Concen: 340.904 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

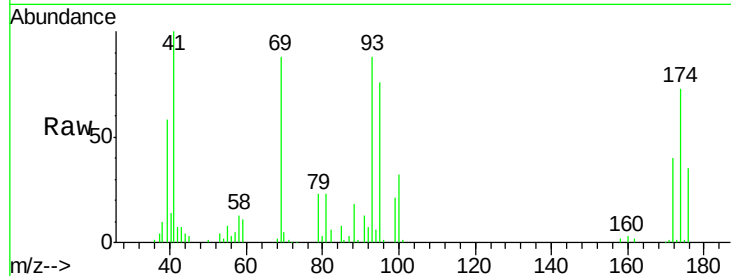
ClientSampleId :

VY0218SBS01

Tot Ion:	88	Resp:	5762
Ion	Ratio	Lower	Upper
88	100		
43	32.2	23.1	34.7
58	67.9	58.1	87.1

Manual Integrations
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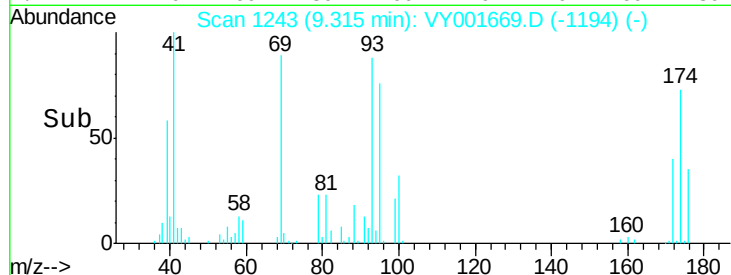


Abundance Ion 88.00 (87.70 to 88.70): VY001638.D (-1234) (-)

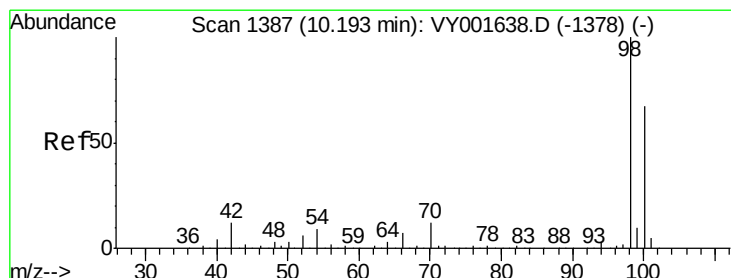
Ion 43.00 (42.70 to 43.70): VY001638.D (-1234) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1234) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 53.099 ug/l

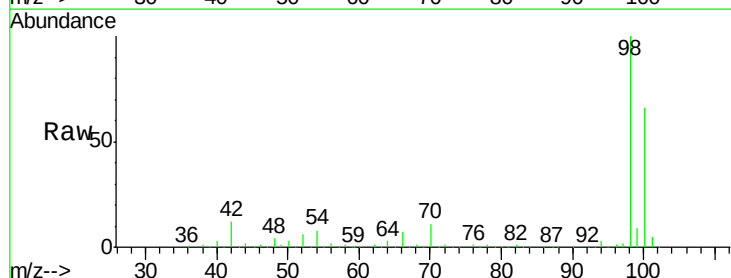
RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

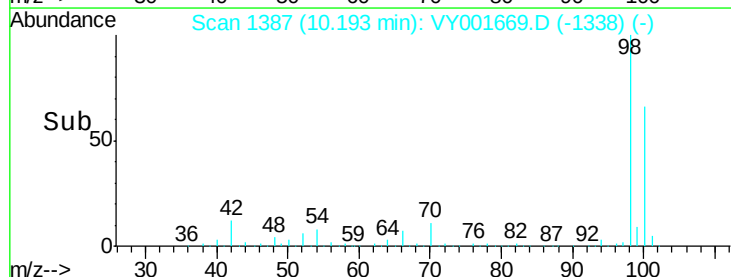
Tgt Ion:	98	Resp:	387471
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

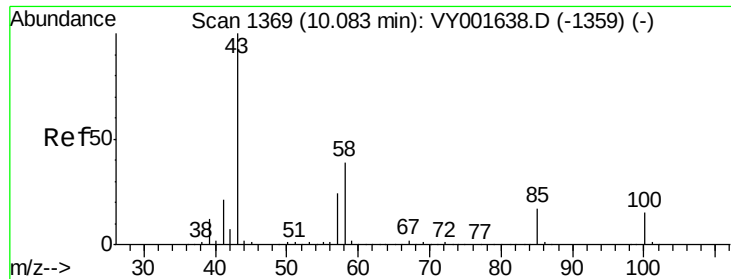
Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

Time-->



Time-->

Time-->



#51

4-Methyl-2-Pentanone

Concen: 94.188 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 43 Resp: 170233

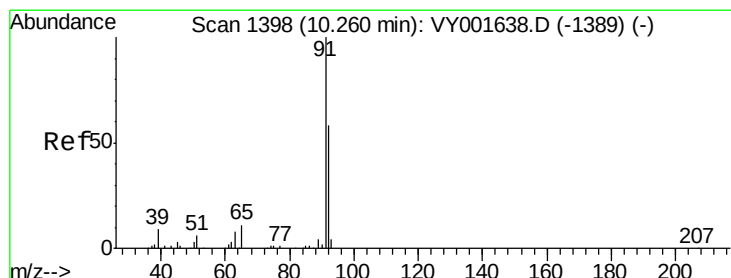
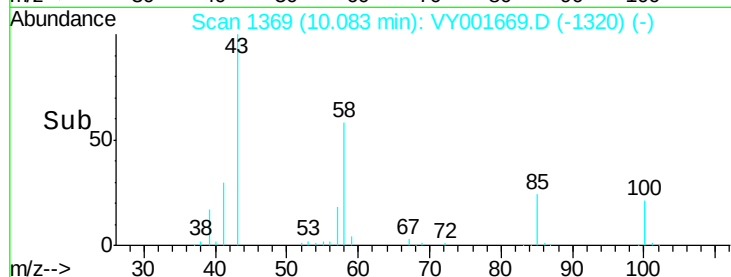
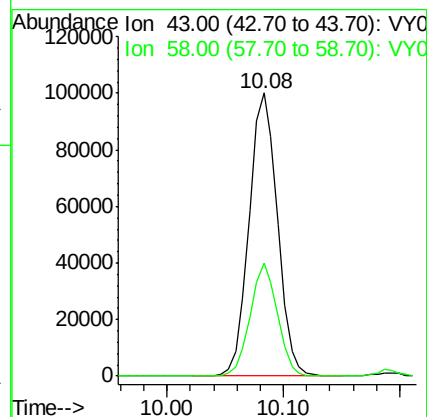
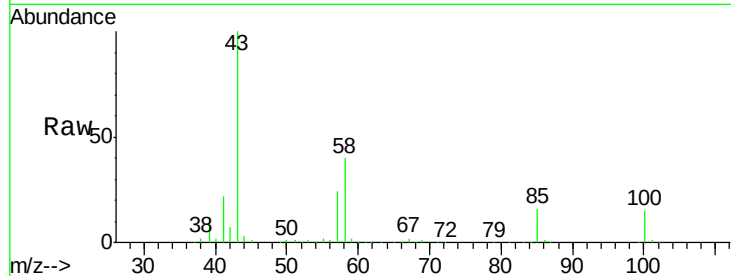
Ion Ratio Lower Upper

43 100

58 38.4 32.2 48.4

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#52

Toluene

Concen: 18.089 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001669.D

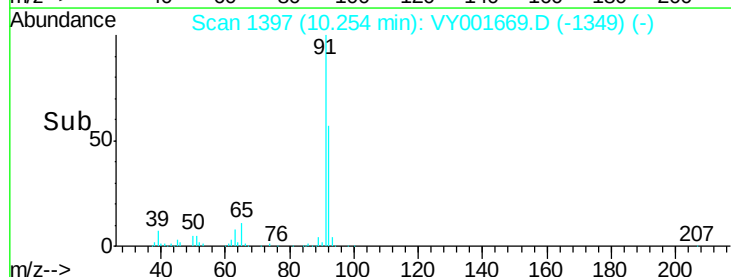
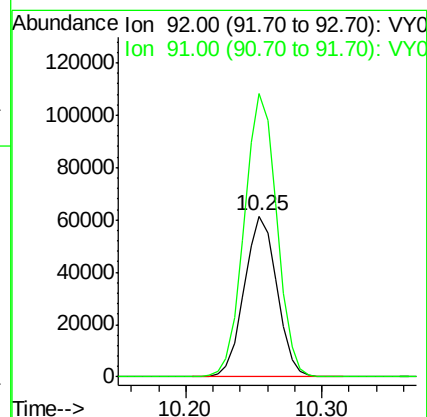
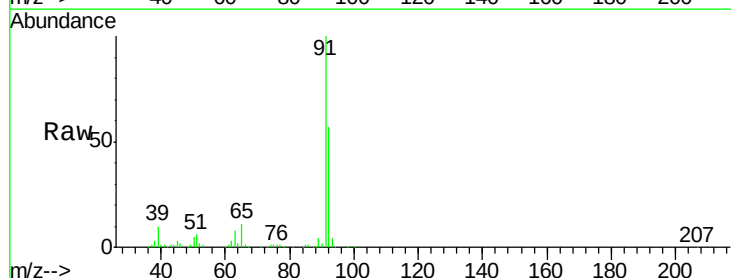
Acq: 18 Feb 2020 13:13

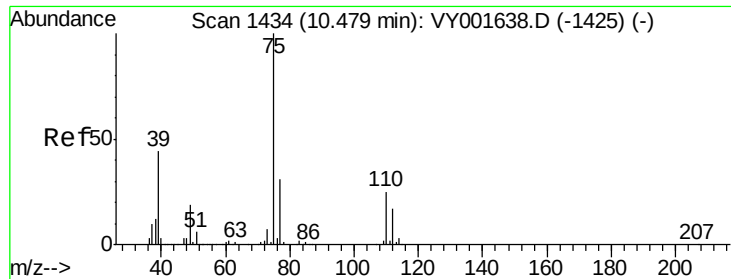
Tgt Ion: 92 Resp: 103085

Ion Ratio Lower Upper

92 100

91 175.4 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 17.989 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 75 Resp: 57438

Ion Ratio Lower Upper

75 100

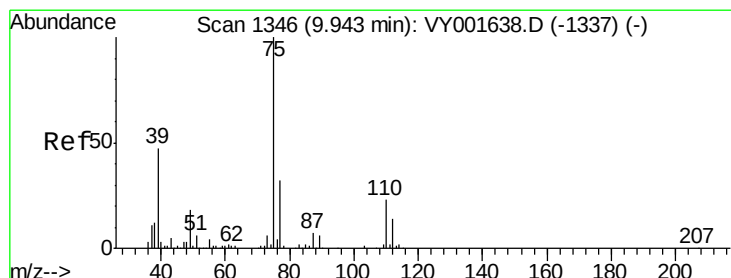
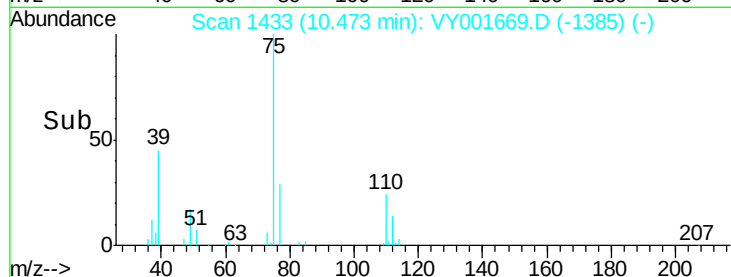
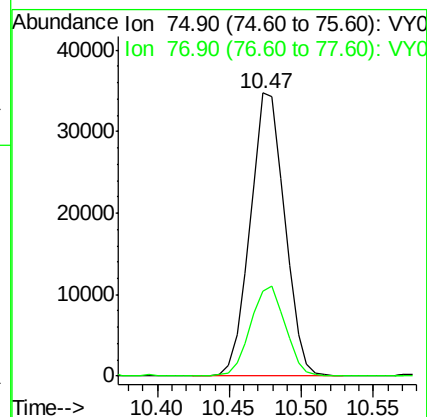
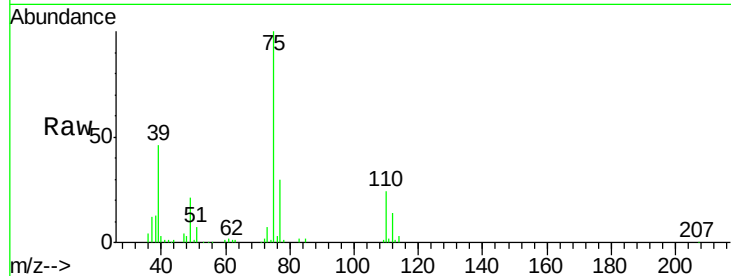
77 29.8 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.612 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

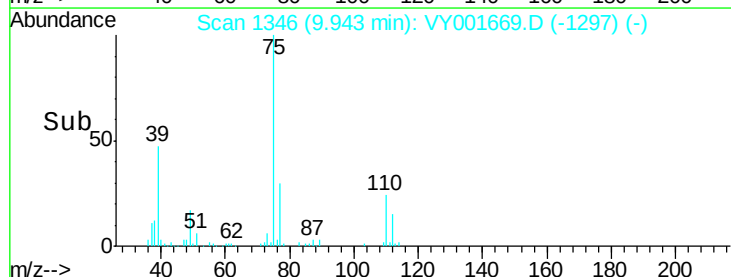
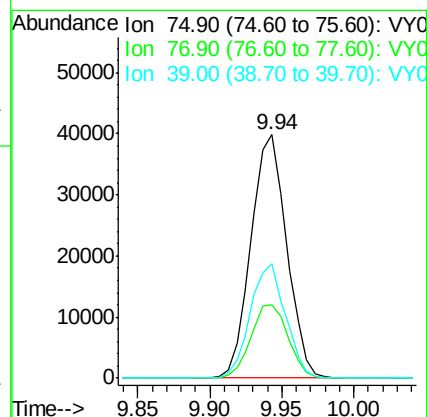
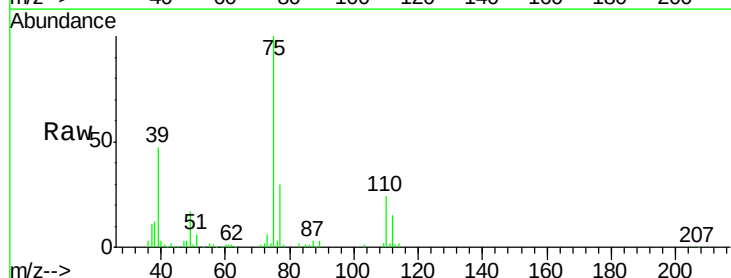
Tgt Ion: 75 Resp: 68395

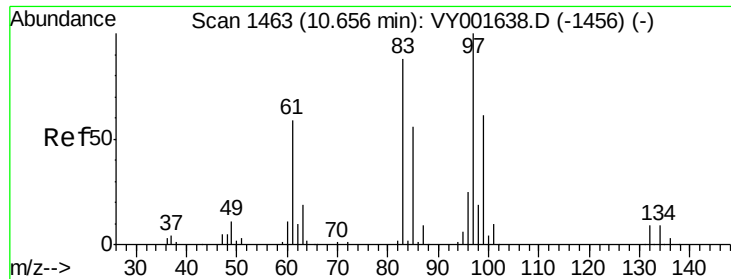
Ion Ratio Lower Upper

75 100

77 30.0 25.7 38.5

39 46.8 35.7 53.5





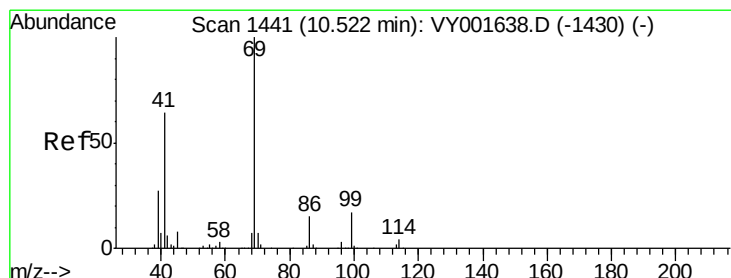
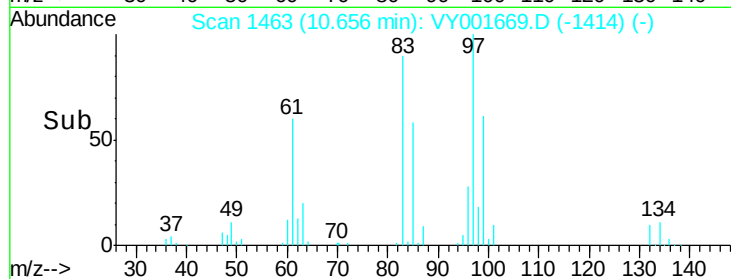
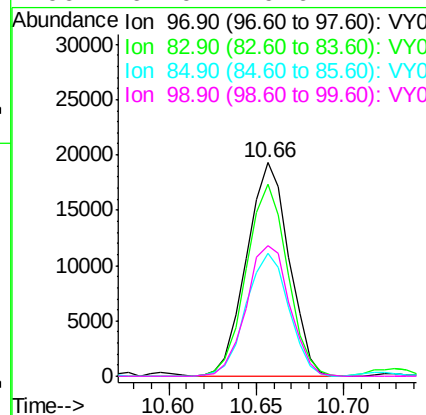
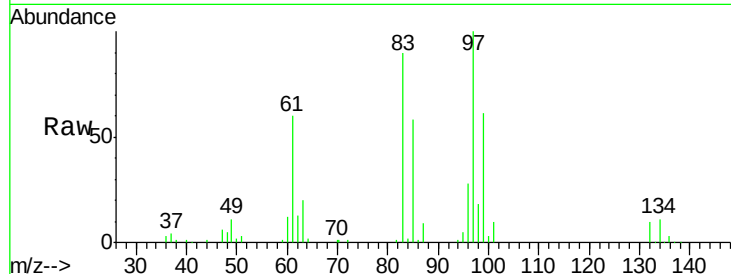
#55
 1,1,2-Trichloroethane
 Concen: 18.487 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion:	97	Resp:	32622
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.7	104.5
85	57.8	44.5	66.7
99	61.0	49.6	74.4

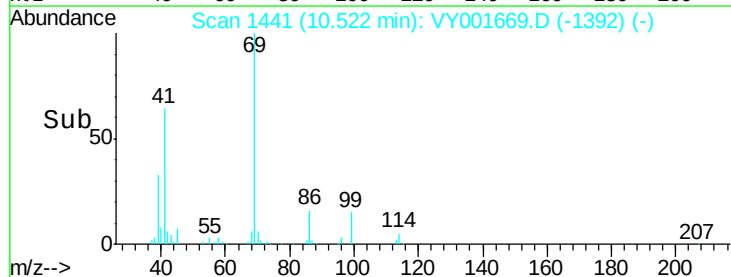
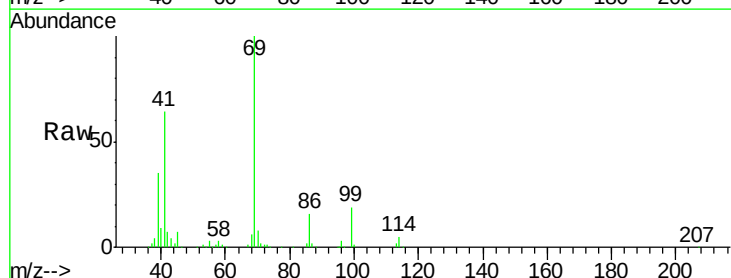
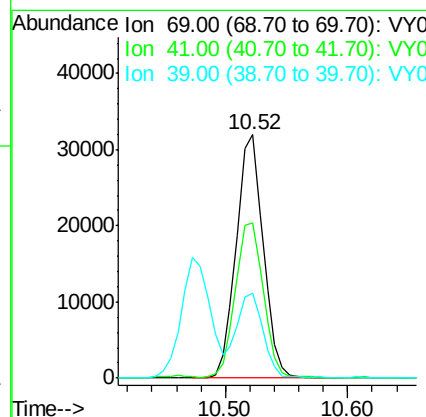
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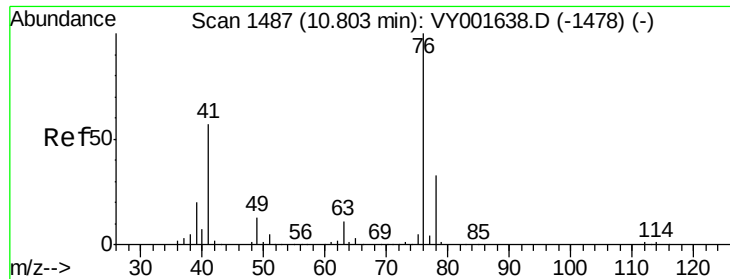
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#56
 Ethyl methacrylate
 Concen: 18.442 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion:	69	Resp:	48818
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.0	76.4
39	34.8	24.7	37.1





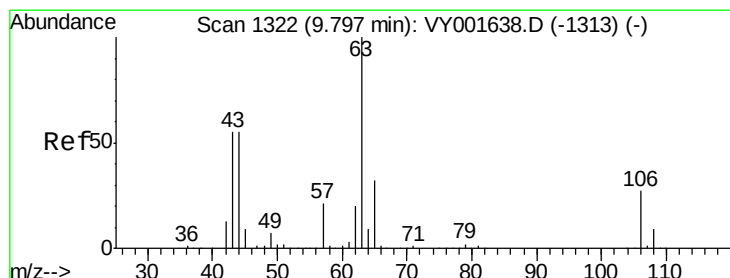
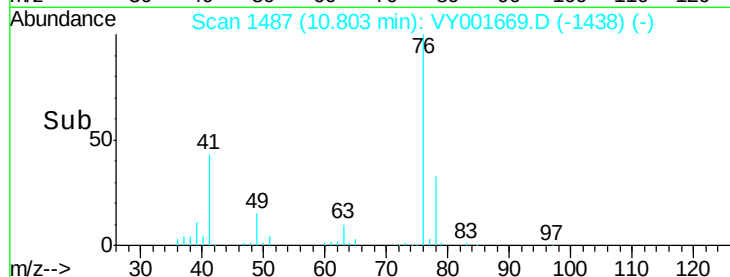
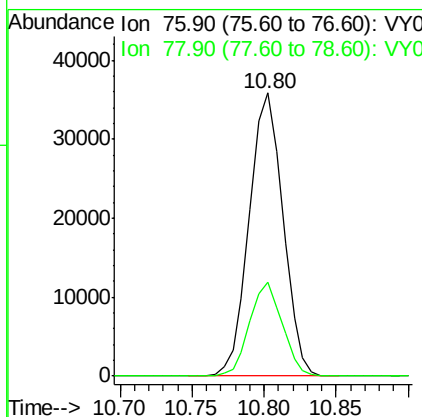
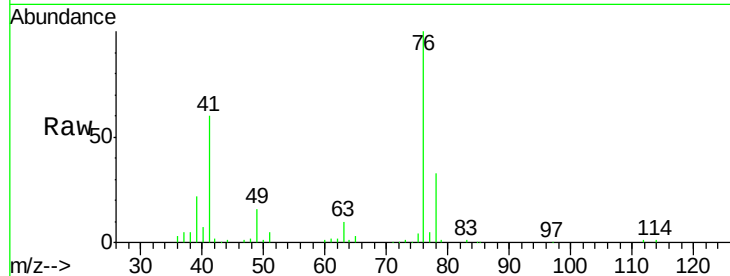
#57
 1,3-Dichloropropane
 Concen: 18.613 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion: 76 Resp: 58357
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

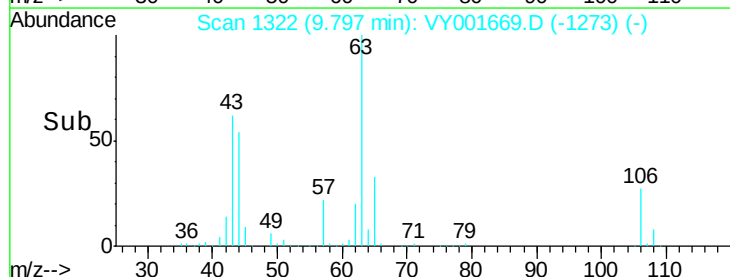
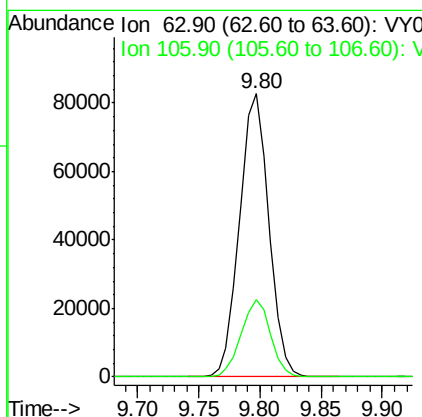
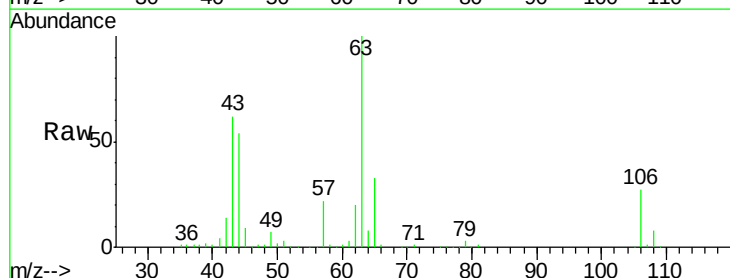
Manual Integrations
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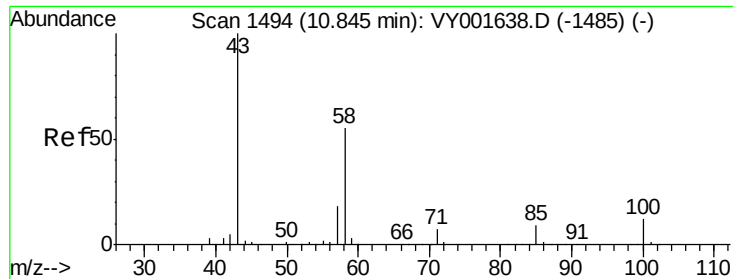
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 129.034 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion: 63 Resp: 137669
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4





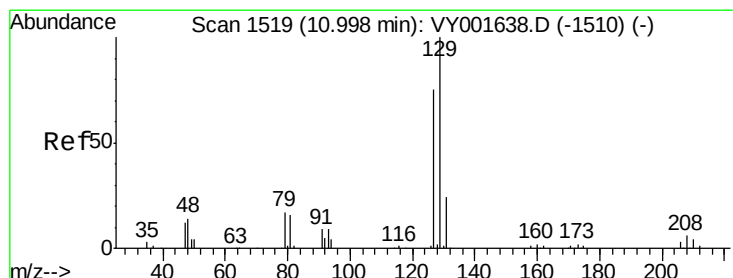
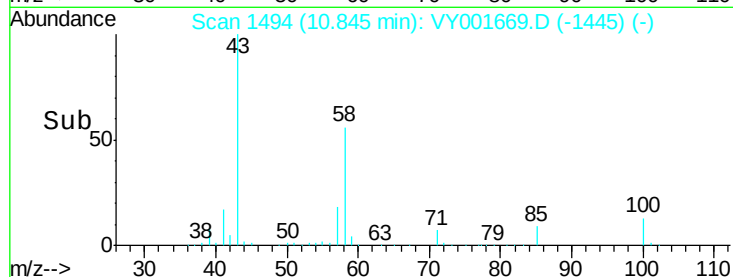
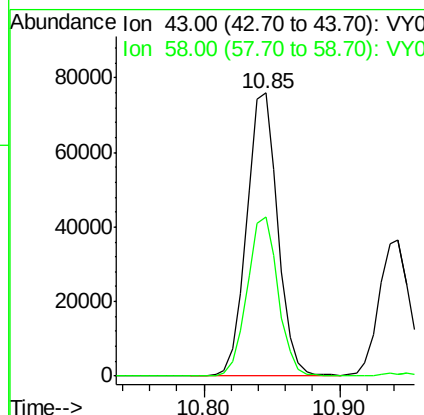
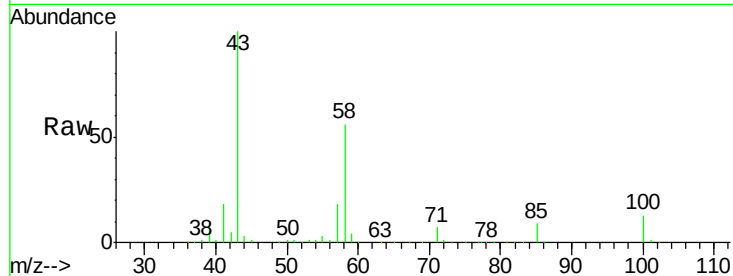
#59
2-Hexanone
Concen: 89.313 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.4	85.2

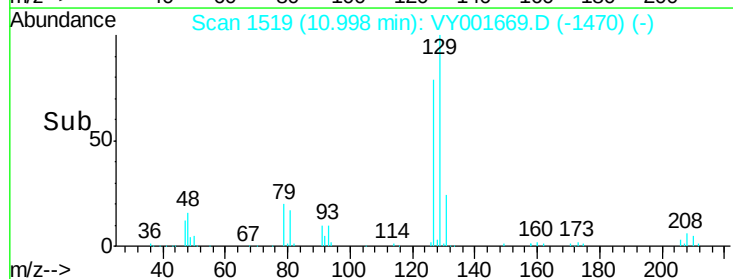
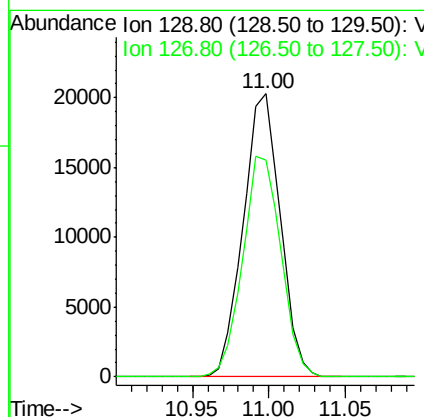
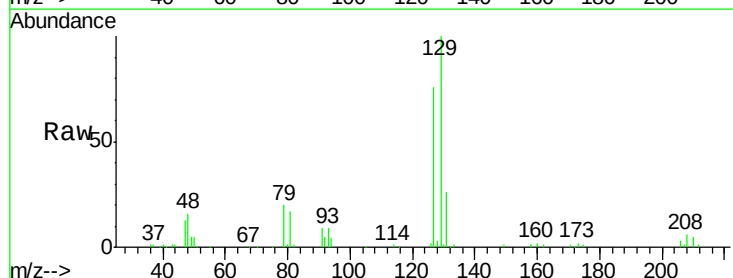
Manual Integrations
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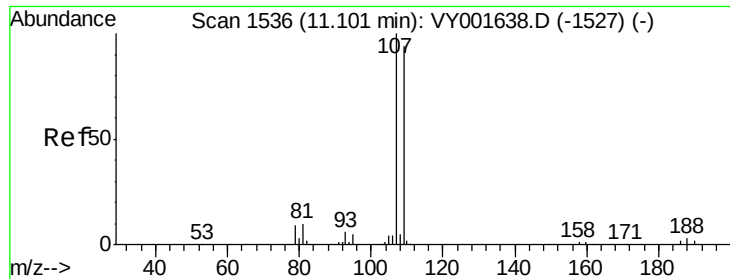
MMDadoda
2/19/2020 1:42:58 PM



#60
Dibromochloromethane
Concen: 17.611 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	38.9	116.6





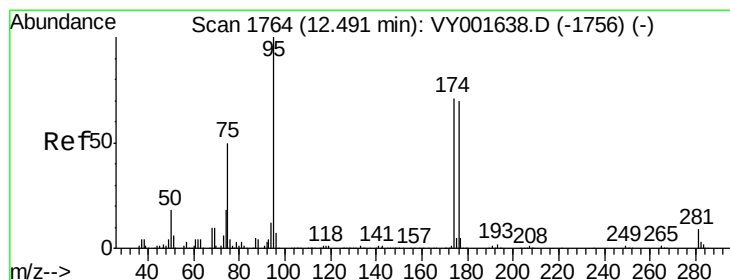
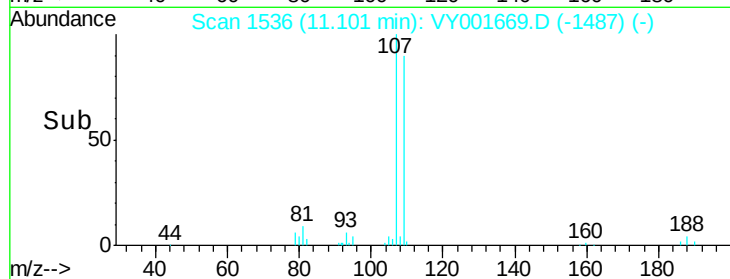
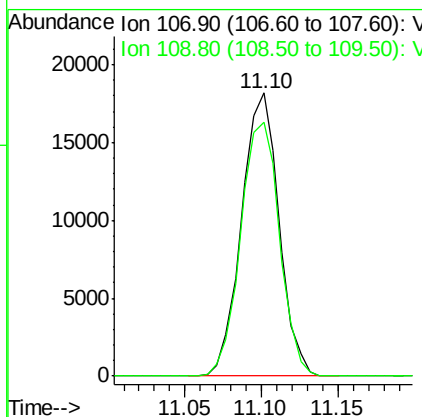
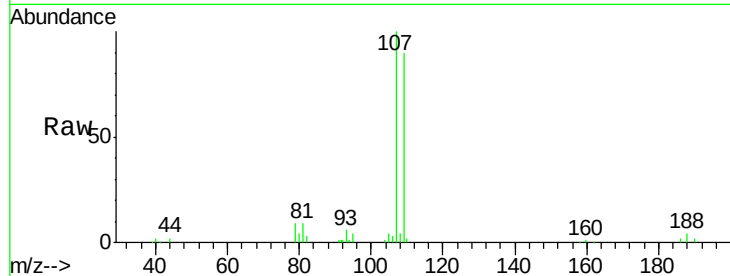
#61
 1,2-Dibromoethane
 Concen: 18.509 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.2	111.4

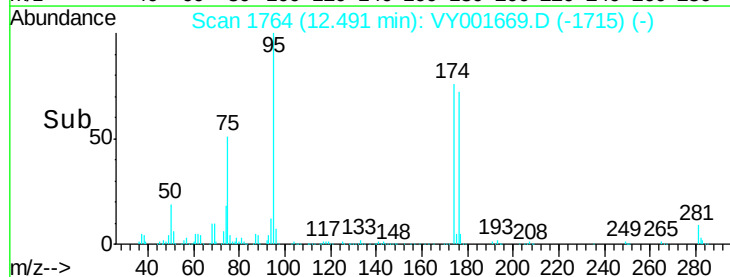
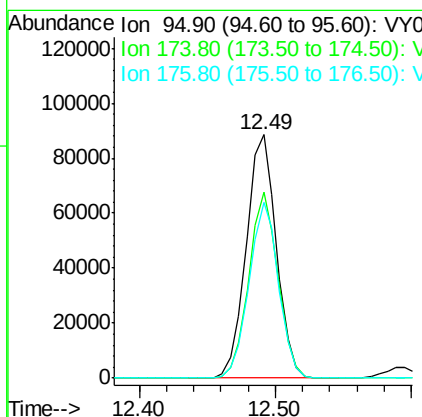
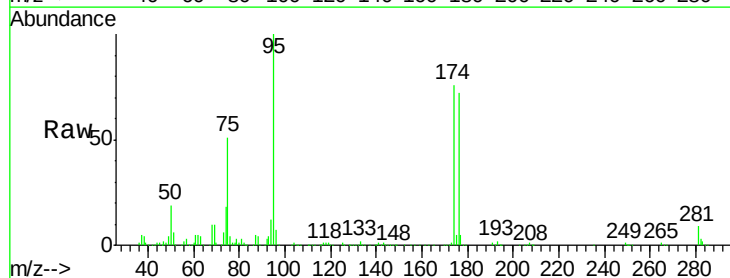
Manual Integrations
 APPROVED

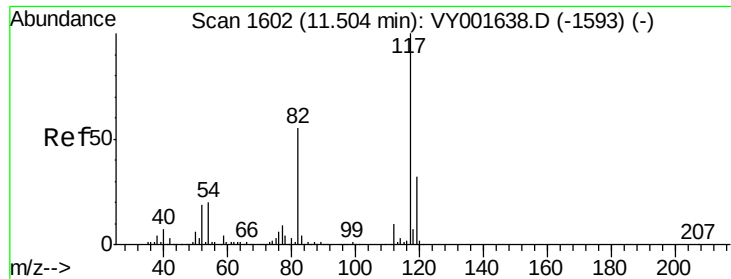
MMDadoda
 2/19/2020 1:42:58 PM



#62
 4-Bromofluorobenzene
 Concen: 48.369 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	138.4
176	70.8	0.0	131.8





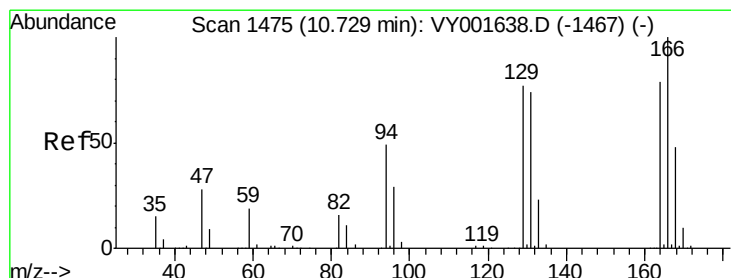
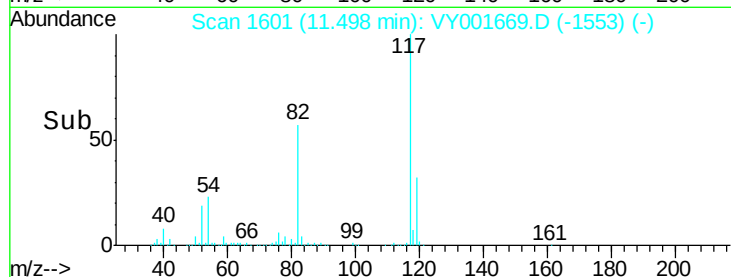
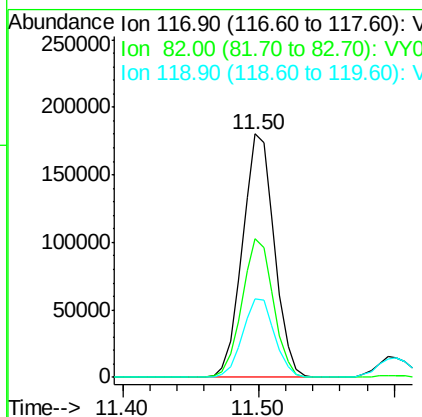
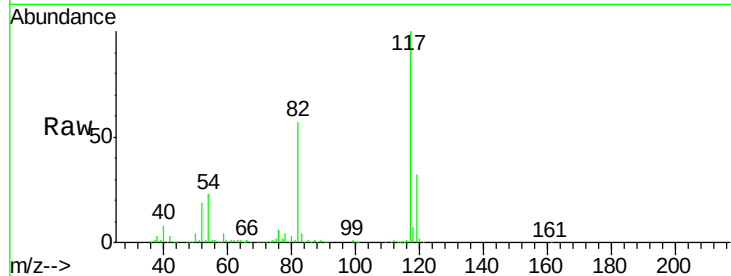
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294422		
82	57.2		45.5	68.3
119	32.4		25.8	38.6

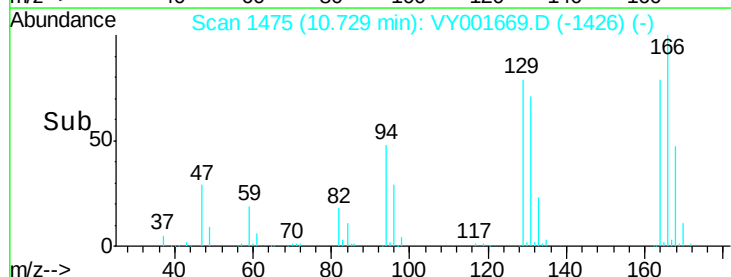
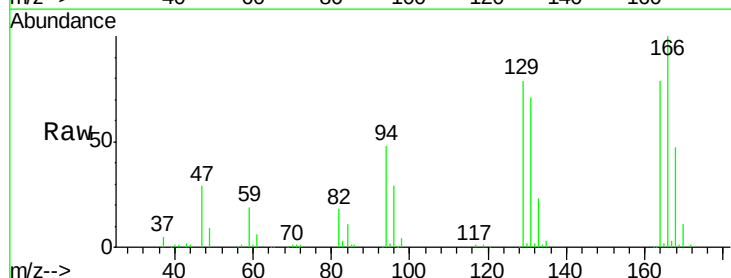
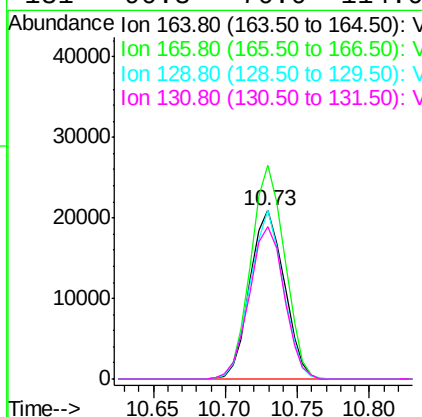
Manual Integrations
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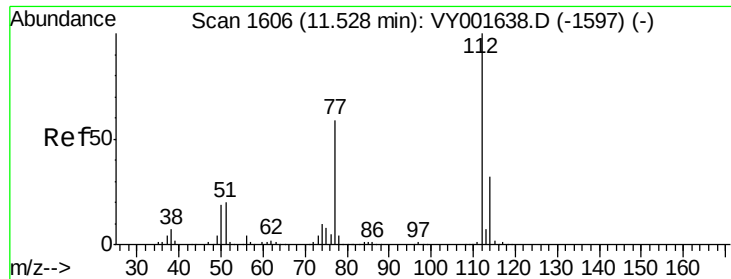
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#64
Tetrachloroethene
Concen: 18.658 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34484		
166	126.7		101.4	152.0
129	100.0		78.7	118.1
131	90.3		76.0	114.0





#65

Chlorobenzene

Concen: 18.601 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:112 Resp: 109337

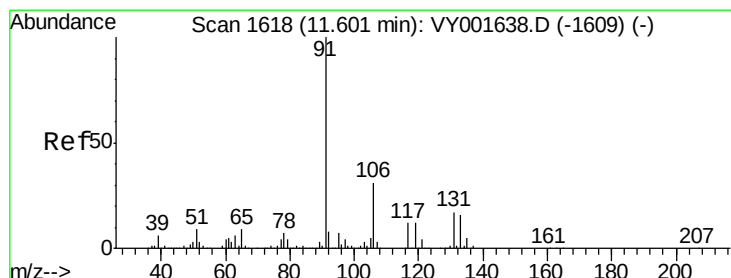
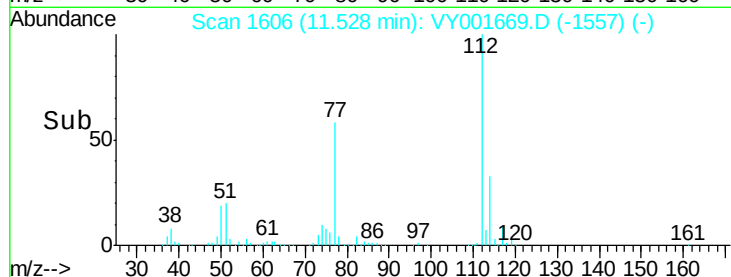
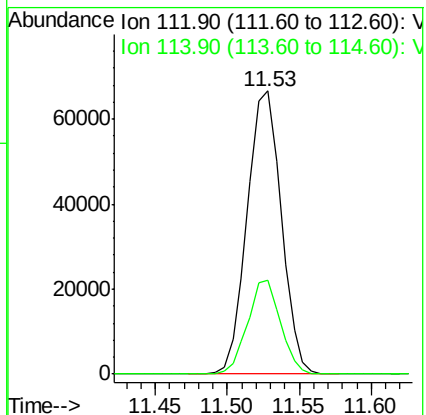
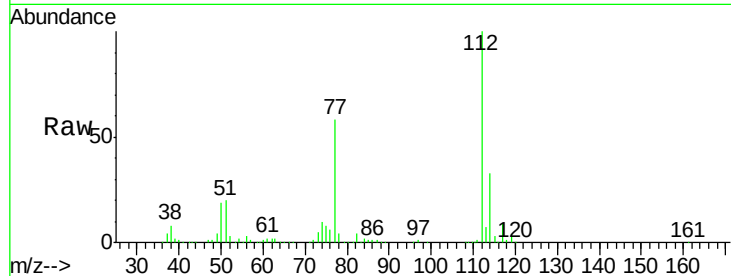
Ion Ratio Lower Upper

112 100

114 33.3 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.707 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

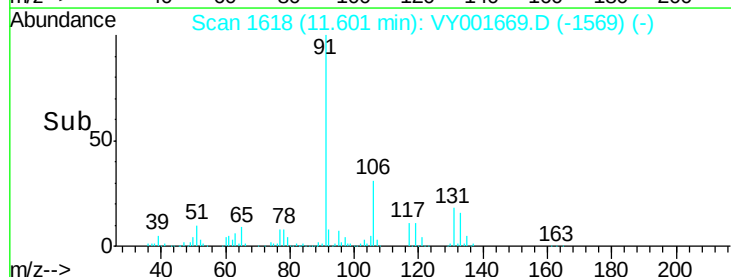
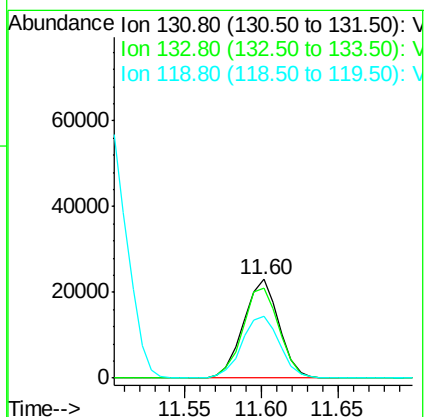
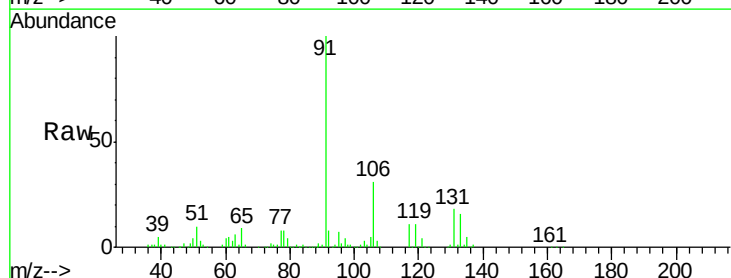
Tgt Ion:131 Resp: 37094

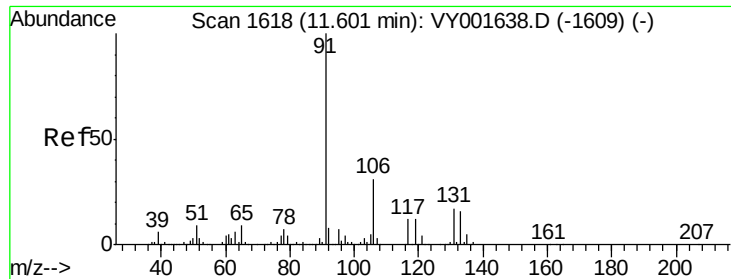
Ion Ratio Lower Upper

131 100

133 93.5 47.4 142.2

119 66.5 34.4 103.1





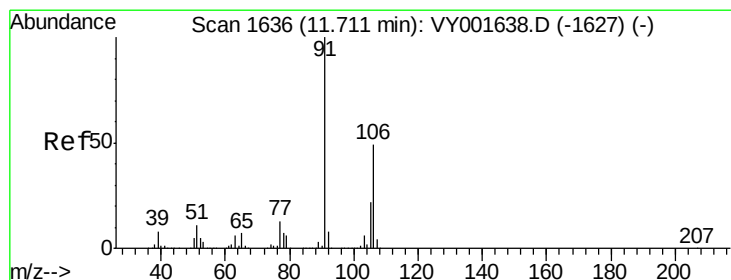
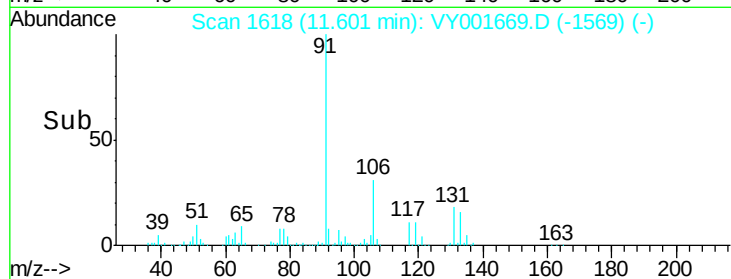
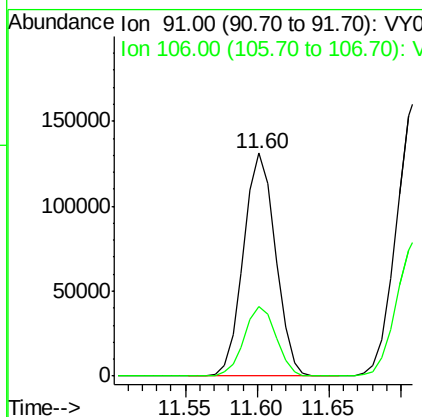
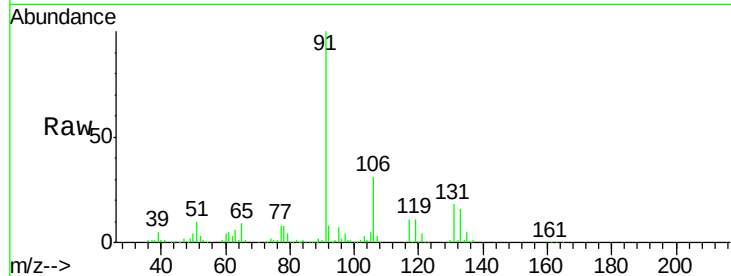
#67
Ethyl Benzene
Concen: 18.540 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion: 91 Resp: 202245
Ion Ratio Lower Upper
91 100
106 31.4 24.5 36.7

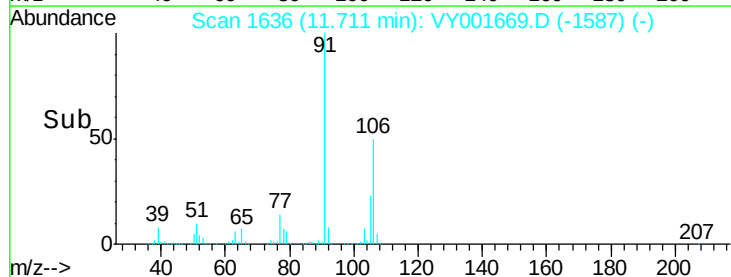
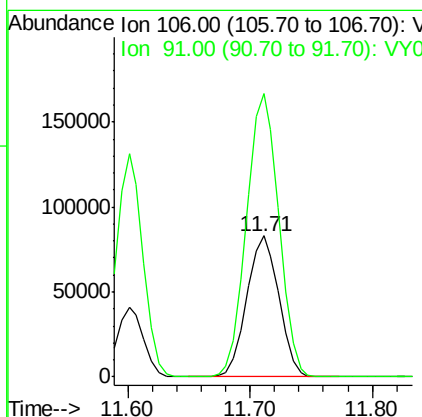
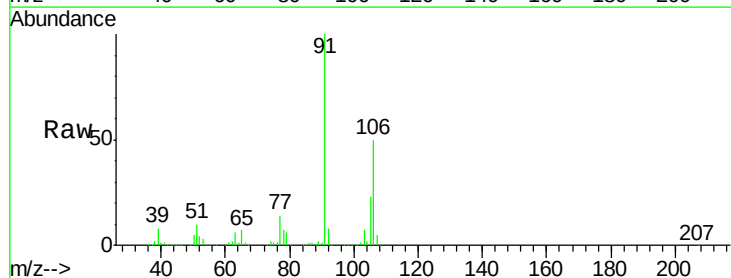
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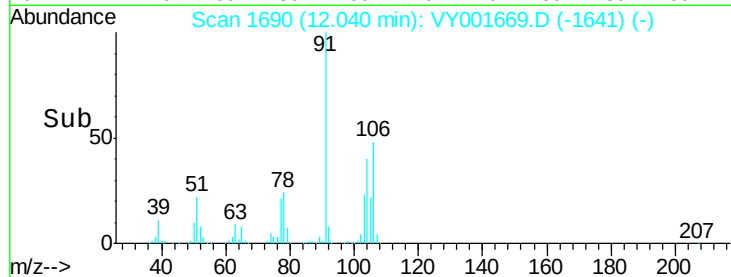
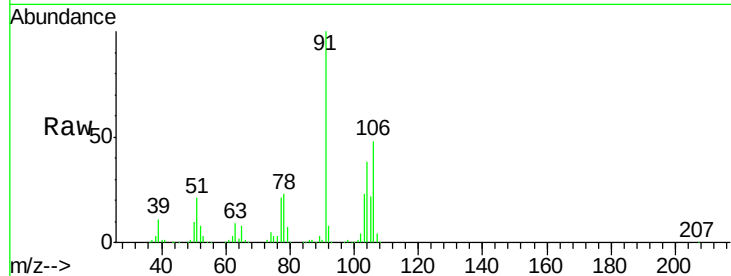
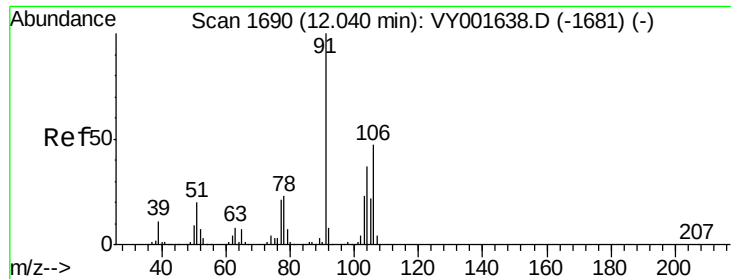
MMDadoda
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#68
m/p-Xylenes
Concen: 37.124 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion: 106 Resp: 151270
Ion Ratio Lower Upper
106 100
91 202.3 163.3 244.9





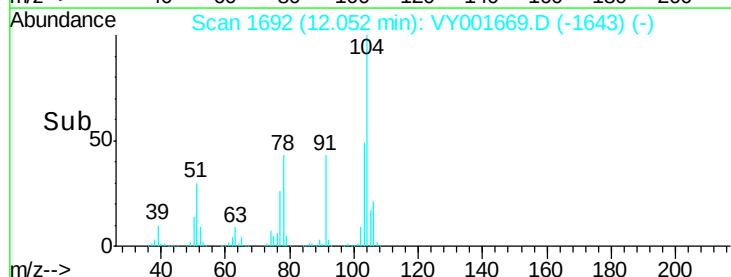
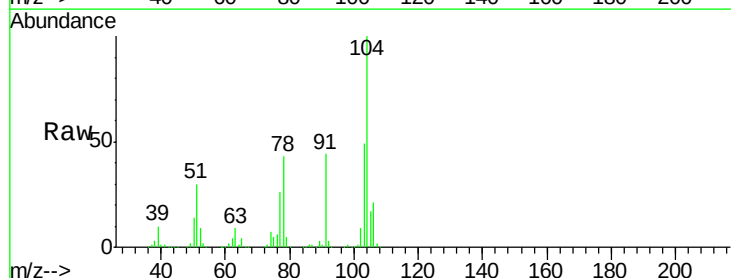
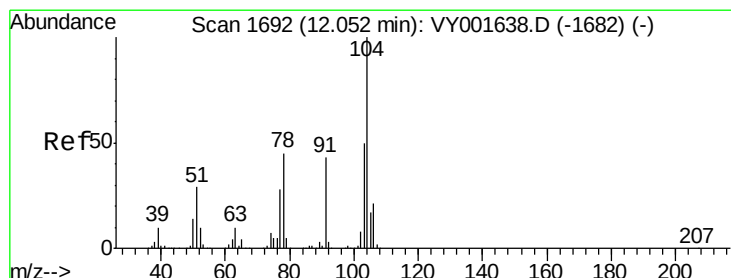
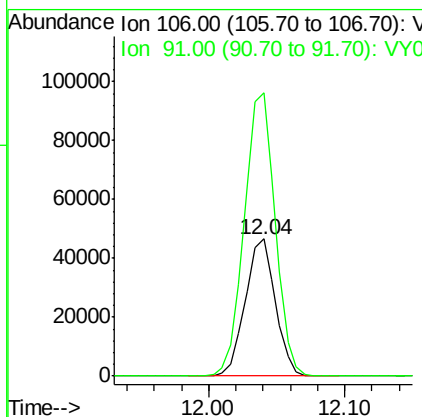
#69
o-Xylene
Concen: 18.652 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tot Ion:106 Resp: 72254
Ion Ratio Lower Upper
106 100
91 211.6 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

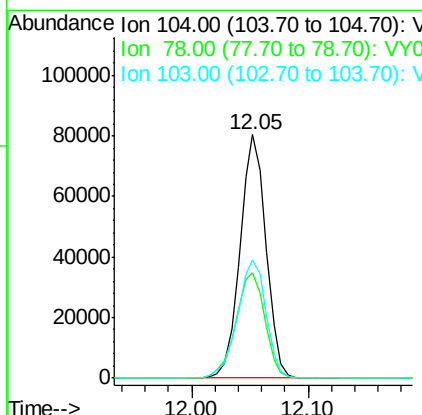
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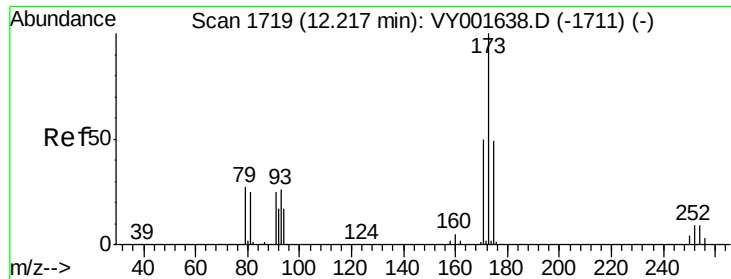
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#70
Styrene
Concen: 18.496 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion:104 Resp: 124523
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 53.7 43.0 64.6





#71

Bromoform

Concen: 17.542 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:173 Resp: 19878

Ion Ratio Lower Upper

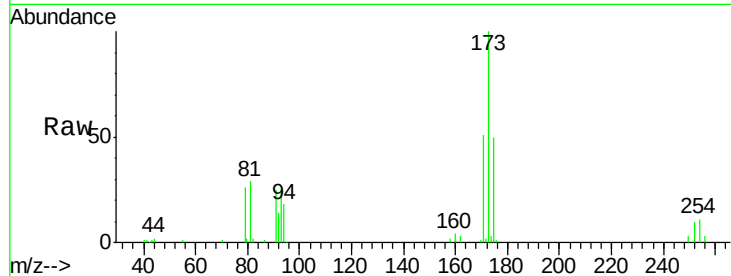
173 100

175 50.5 24.3 73.0

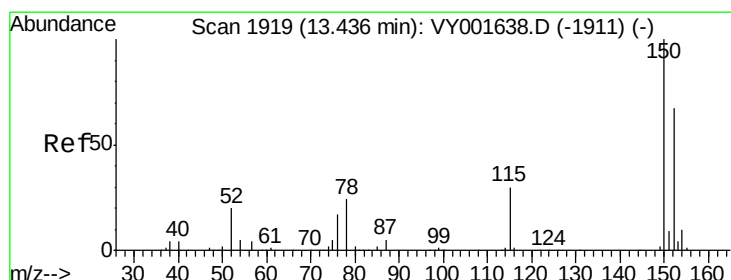
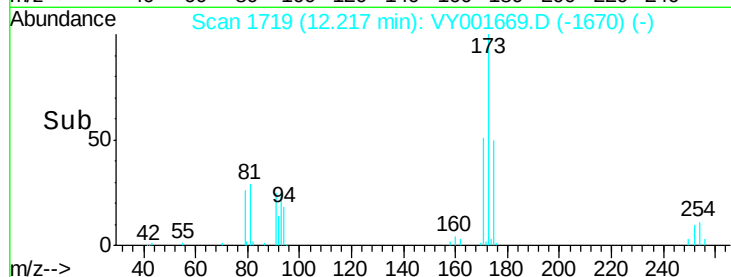
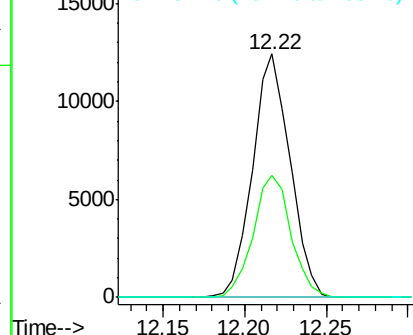
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

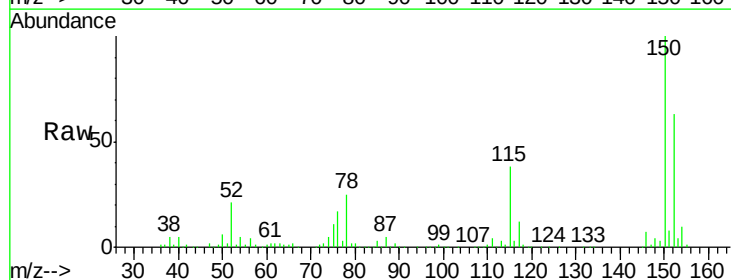
Tgt Ion:152 Resp: 139396

Ion Ratio Lower Upper

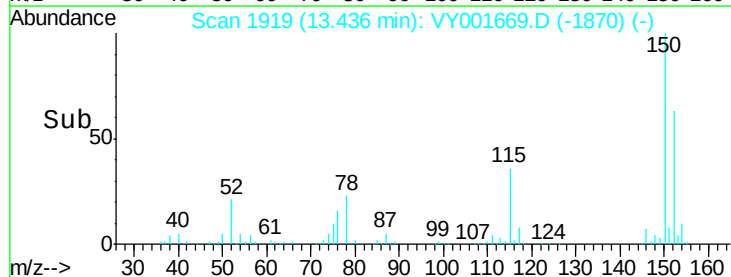
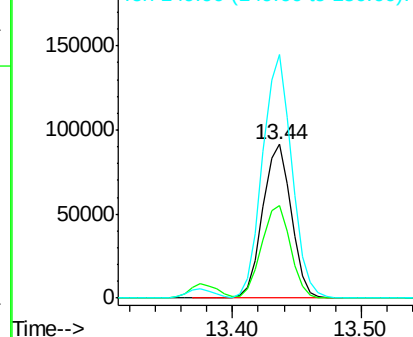
152 100

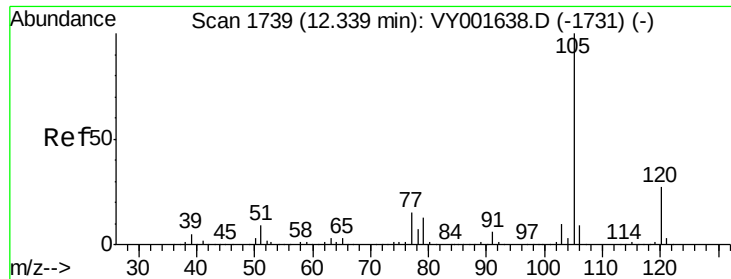
115 61.4 31.4 94.2

150 163.4 0.0 407.2



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





#73

Isopropylbenzene

Concen: 17.967 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:105 Resp: 190799

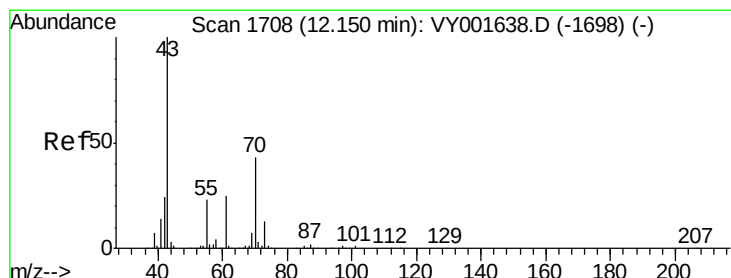
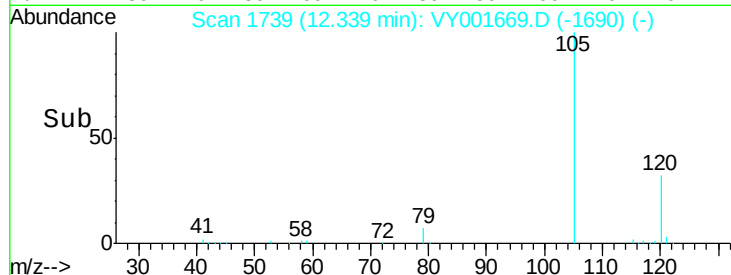
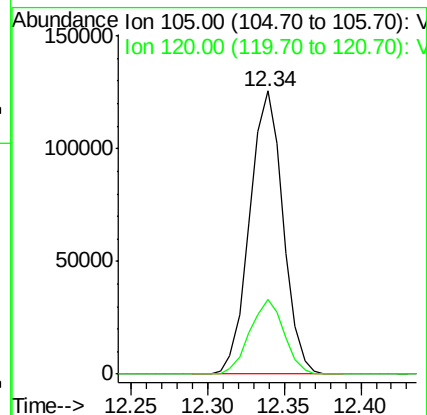
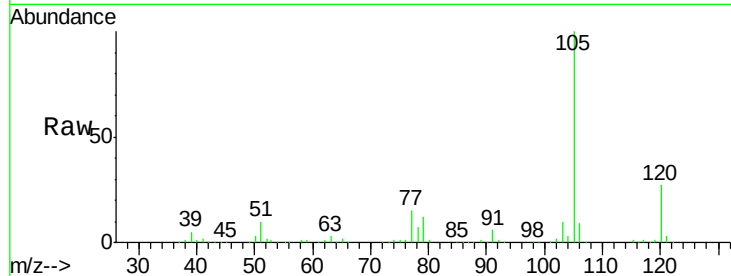
Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1

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#74

N-ethyl acetate

Concen: 18.372 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion: 43 Resp: 62266

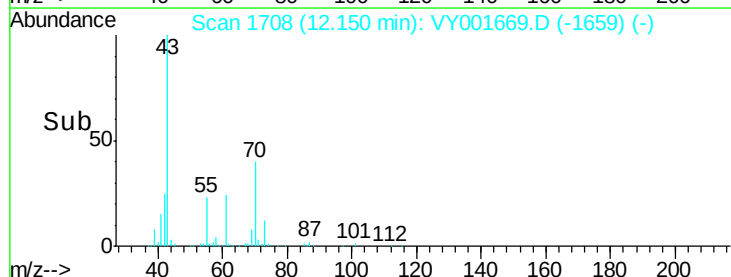
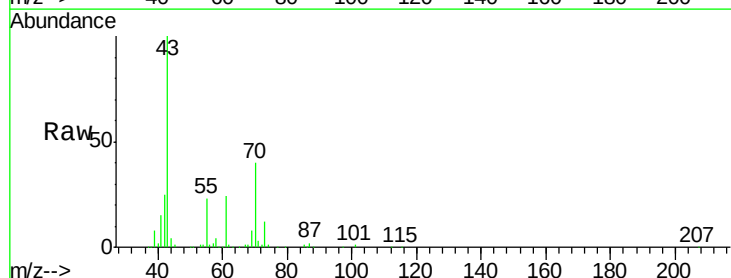
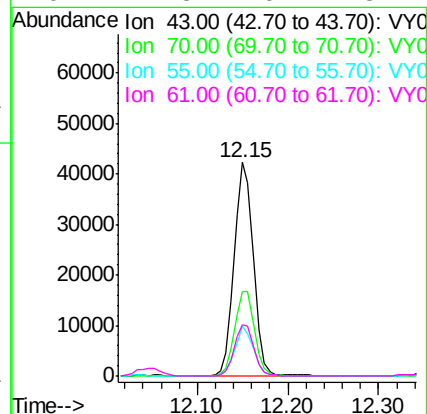
Ion Ratio Lower Upper

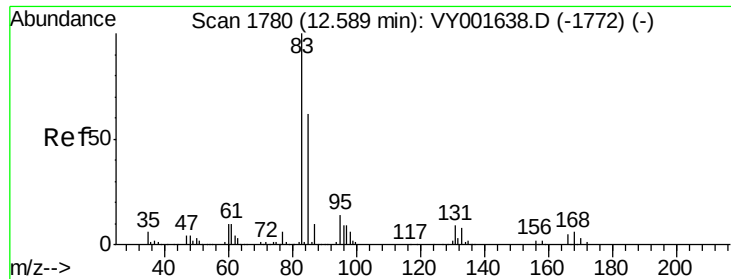
43 100

70 41.1 35.9 53.9

55 22.5 18.3 27.5

61 24.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.991 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

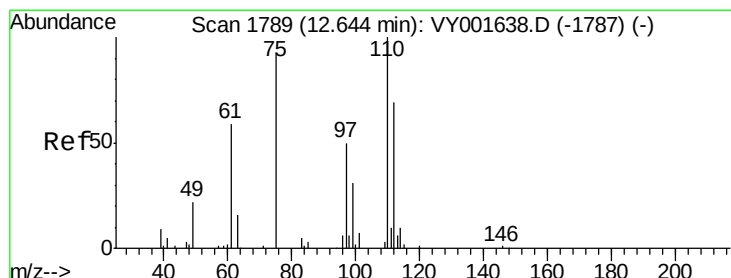
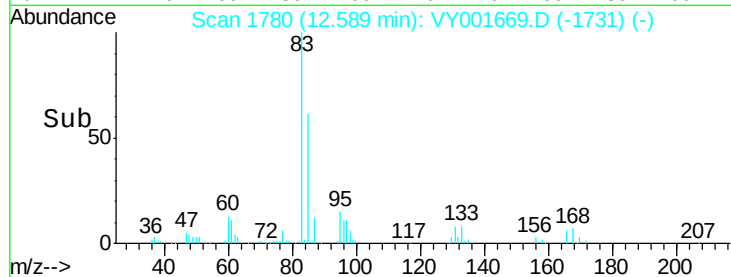
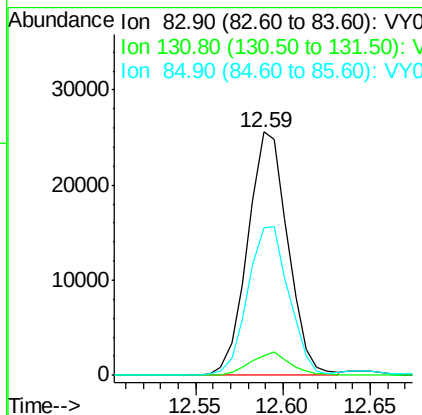
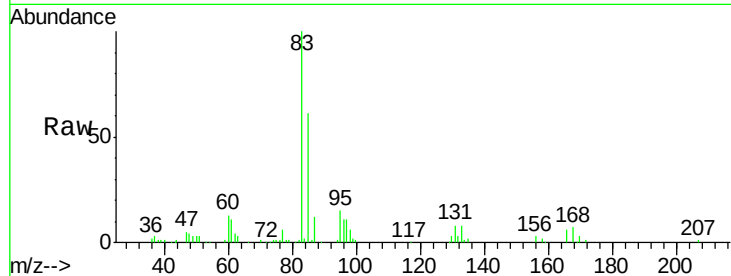
ClientSampleId :

VY0218SBS01

Tot Ion:	83	Resp:	40795
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	62.6	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.394 ug/l m

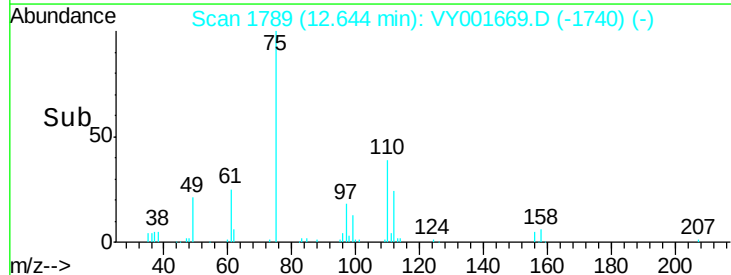
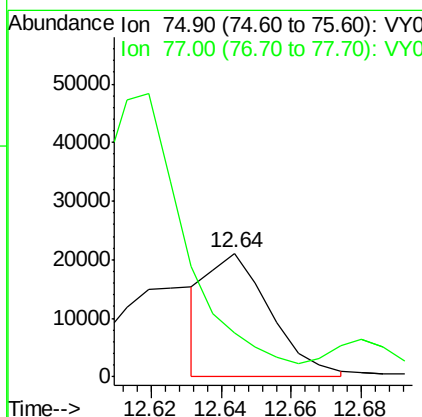
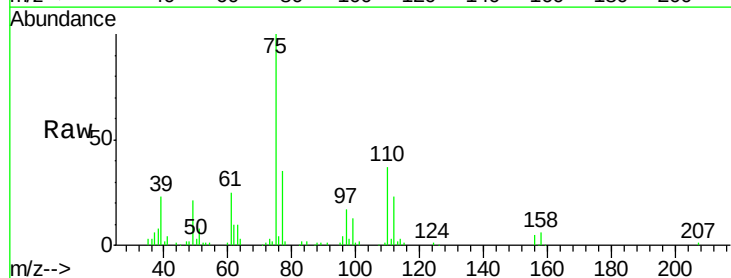
RT: 12.64 min Scan# 1789

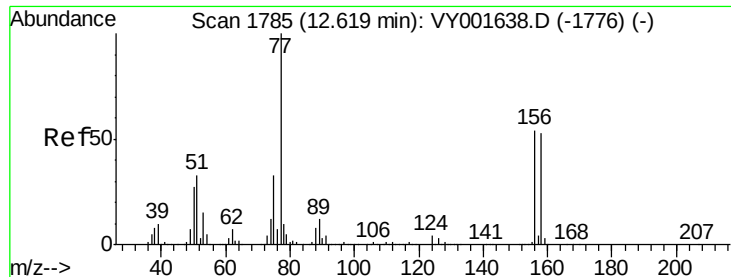
Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	75	Resp:	26215
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.171 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion:156 Resp: 41832

Ion Ratio Lower Upper

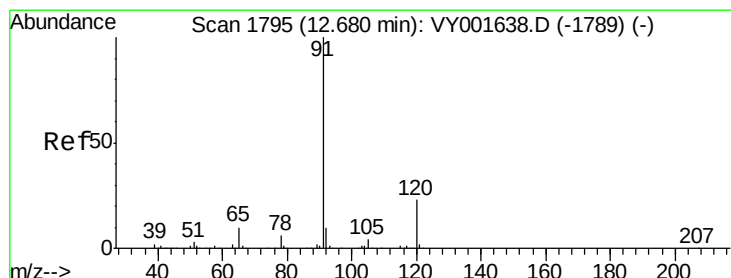
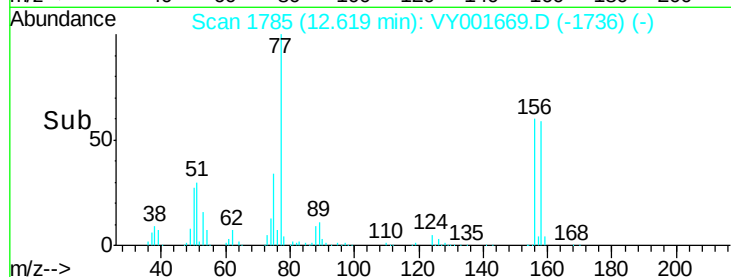
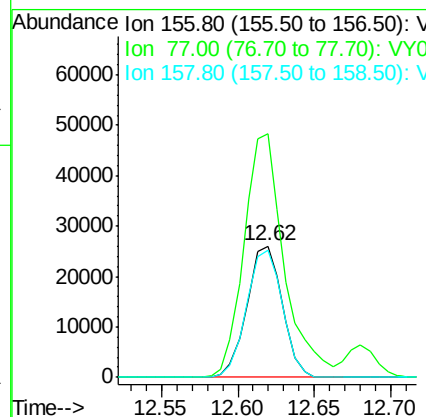
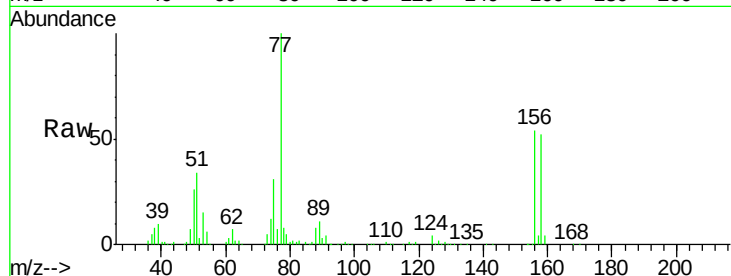
156 100

77 209.9 110.1 330.1

158 98.6 47.9 143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 18.314 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001669.D

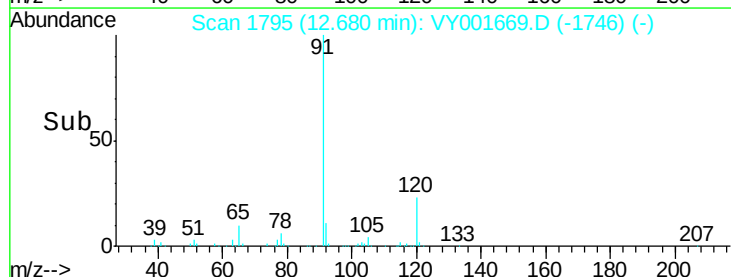
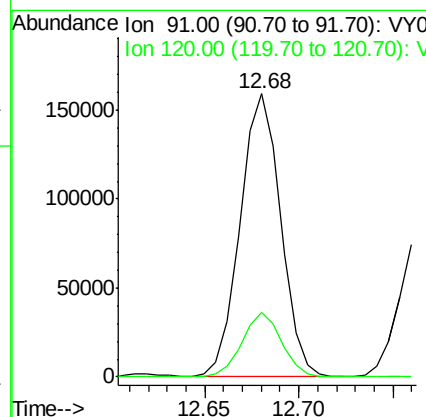
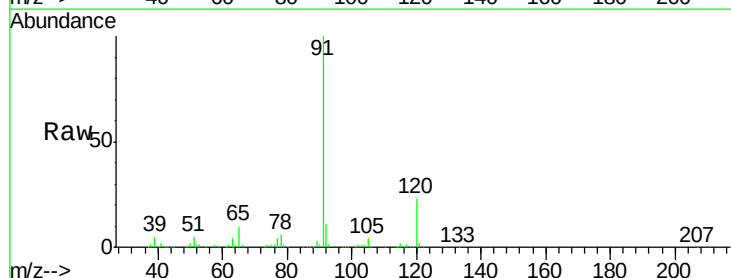
Acq: 18 Feb 2020 13:13

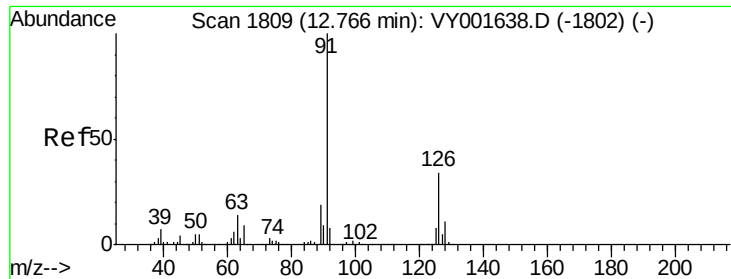
Tgt Ion: 91 Resp: 236865

Ion Ratio Lower Upper

91 100

120 22.3 11.1 33.1





#79

2-Chlorotoluene

Concen: 18.136 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0218SBS01

Tot Ion: 91 Resp: 131557

Ion Ratio Lower Upper

91 100

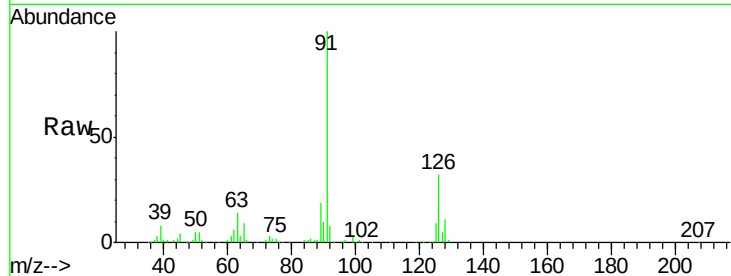
126 33.4 16.2 48.6

Manual Integrations

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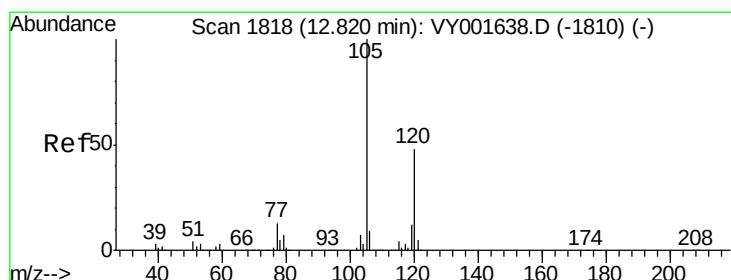
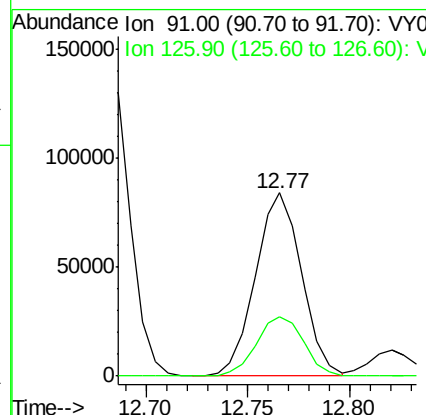
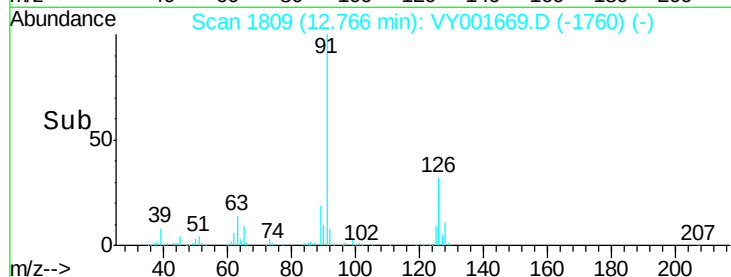
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY001669.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001669.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.336 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001669.D

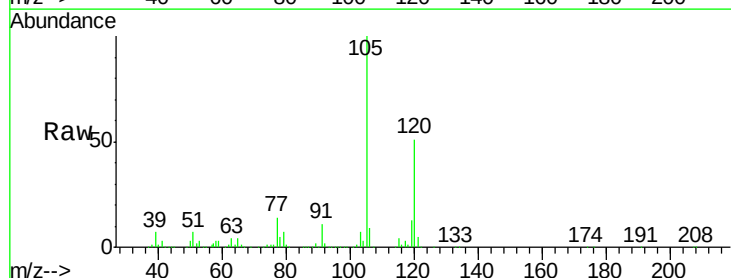
Acq: 18 Feb 2020 13:13

Tgt Ion: 105 Resp: 161185

Ion Ratio Lower Upper

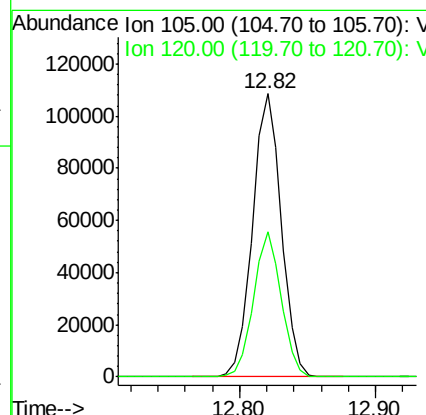
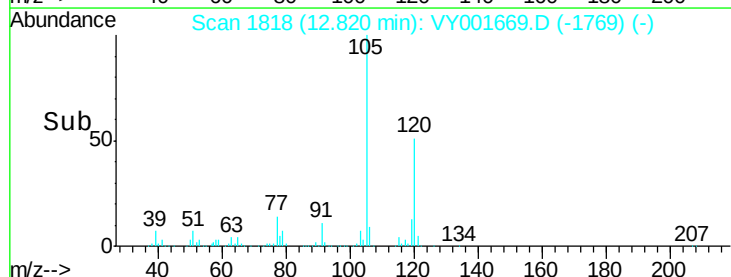
105 100

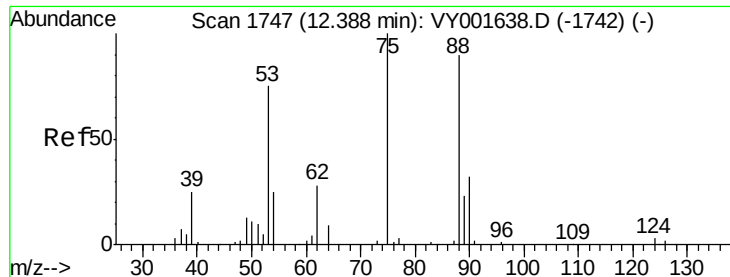
120 49.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001669.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001669.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.162 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

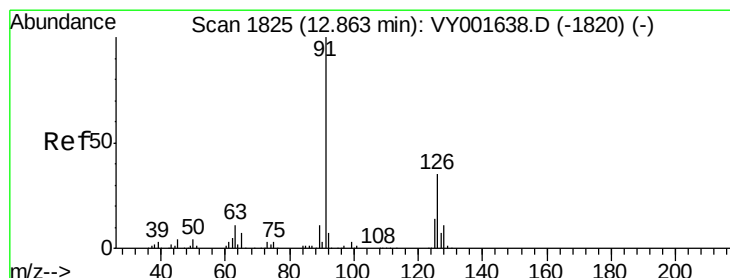
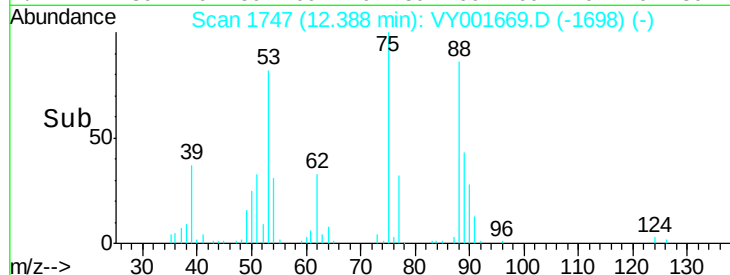
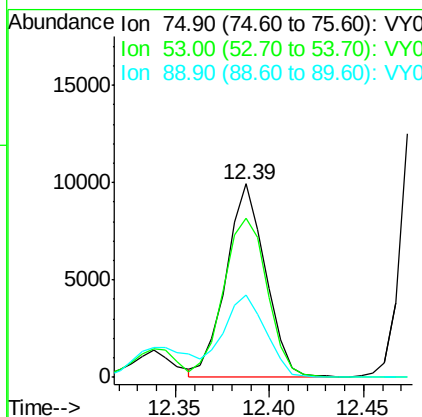
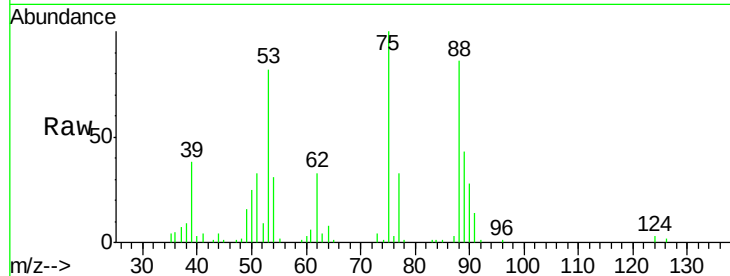
ClientSampleId :

VY0218SBS01

Tot Ion:	75	Resp:	14465
Ion Ratio	Lower	Upper	
75	100		
53	90.9	64.5	96.7
89	45.8	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.300 ug/l

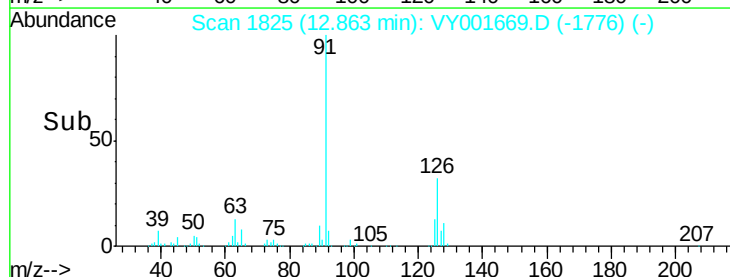
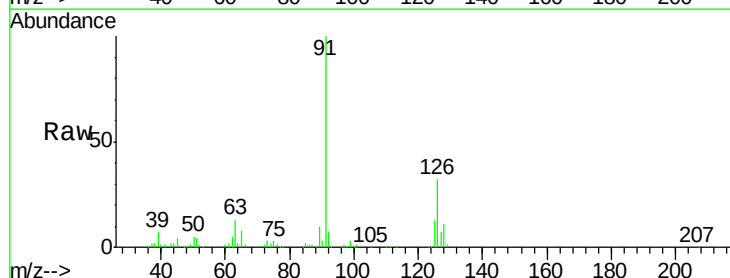
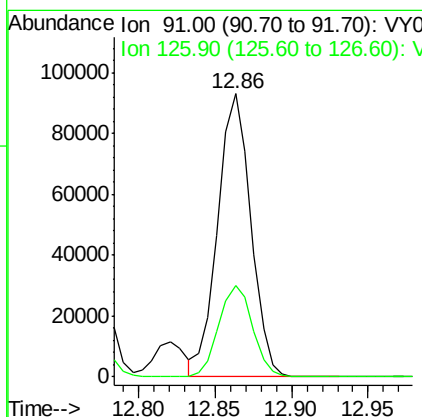
RT: 12.86 min Scan# 1825

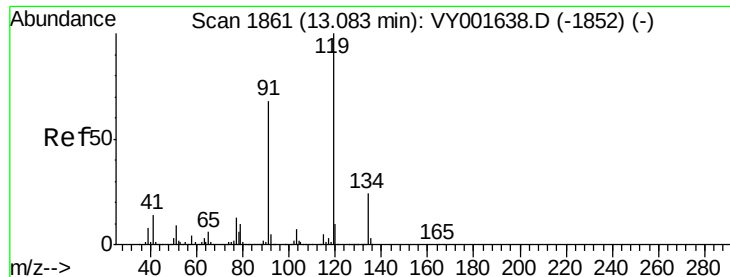
Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	91	Resp:	140008
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.2	48.6





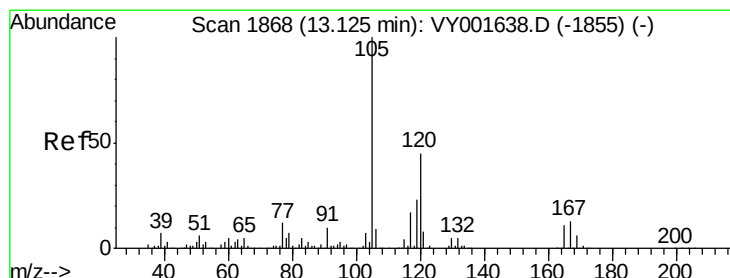
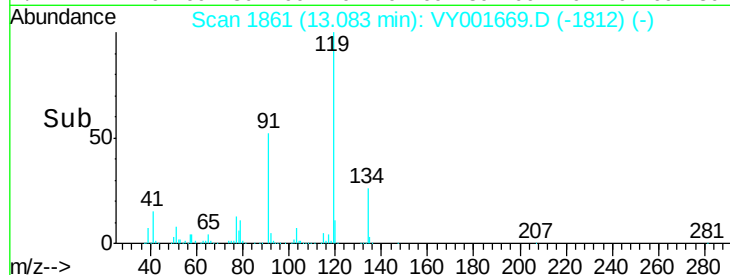
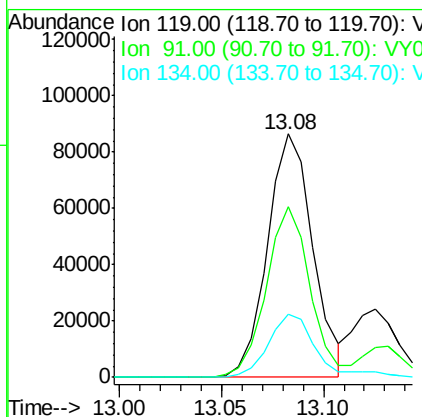
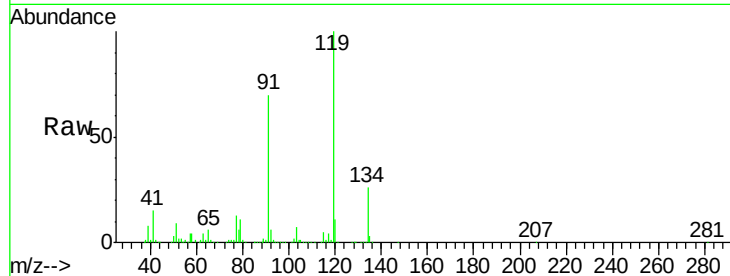
#83
tert-Butylbenzene
Concen: 18.261 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.5	100.5
134	27.3	13.3	39.8

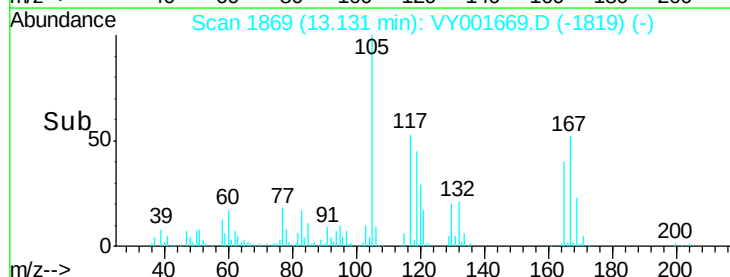
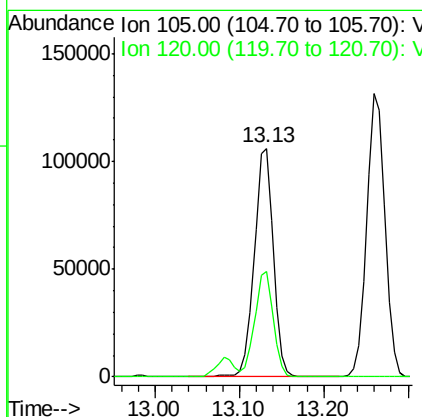
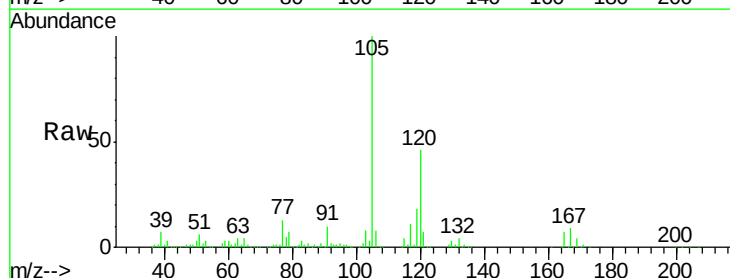
Manual Integrations
APPROVED

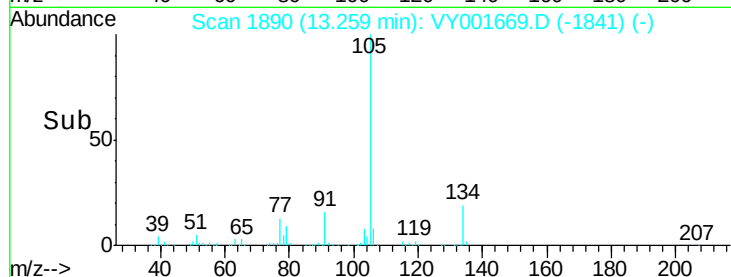
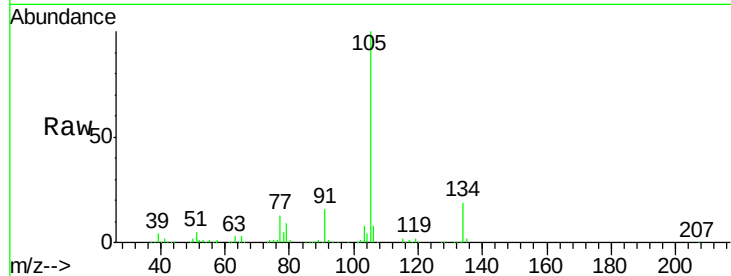
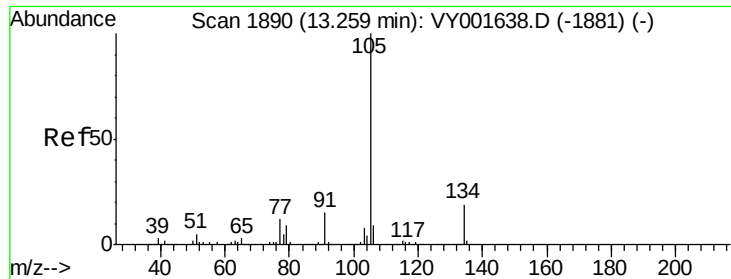
MMDadoda
2/19/2020 1:42:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.608 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





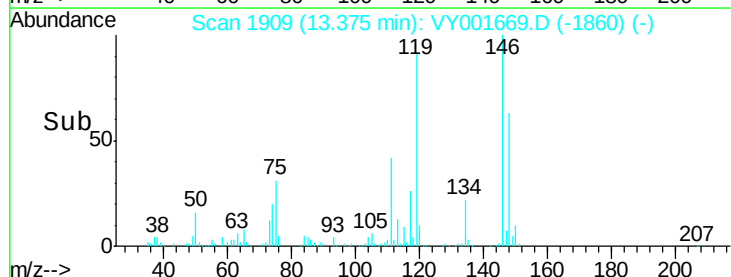
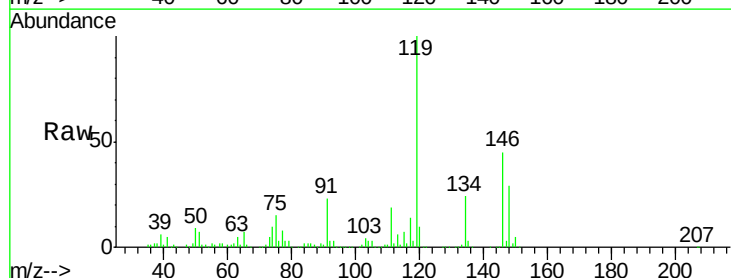
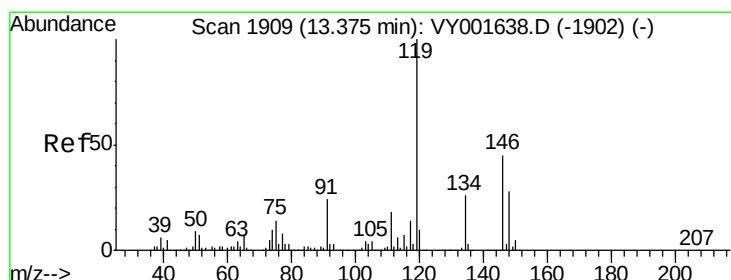
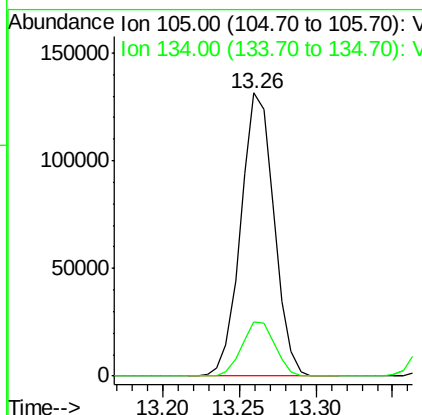
#85
 sec-Butylbenzene
 Concen: 18.306 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tot Ion	Ratio	Resp	Lower	Upper
105	100	197943		
134	19.5	9.8	29.3	

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

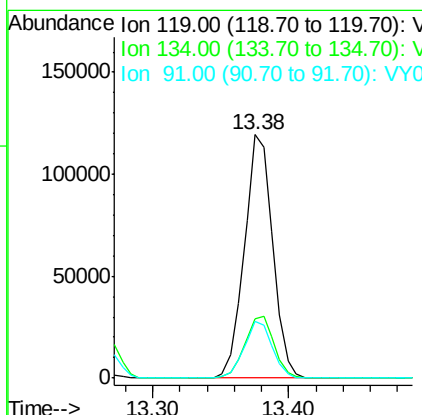
Manual Integrations
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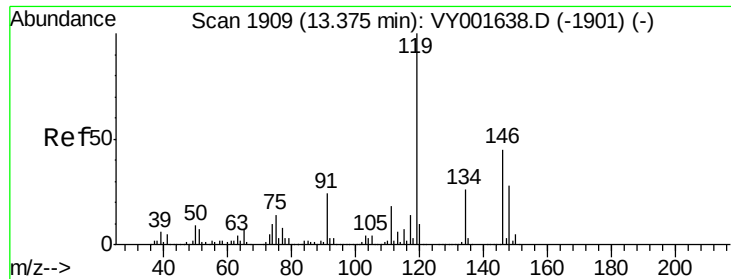
MMDadoda
 2/19/2020 1:42:58 PM



#86
 p-Isopropyltoluene
 Concen: 18.492 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	173710		
134	26.0	13.0	39.0	
91	23.2	12.2	36.6	





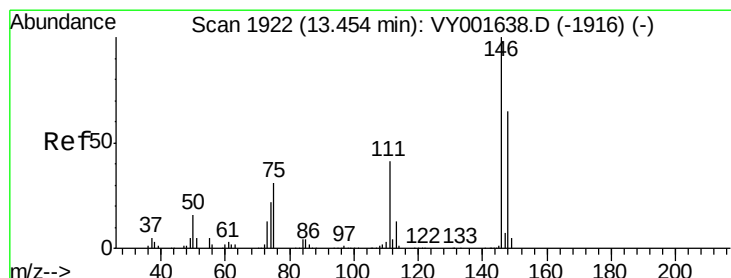
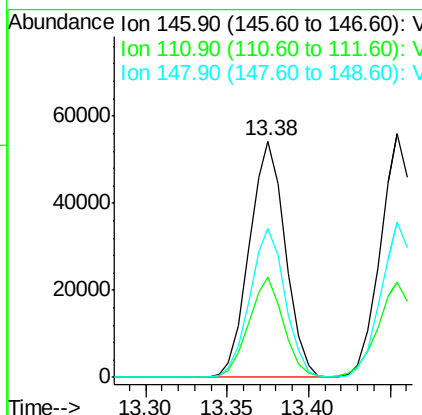
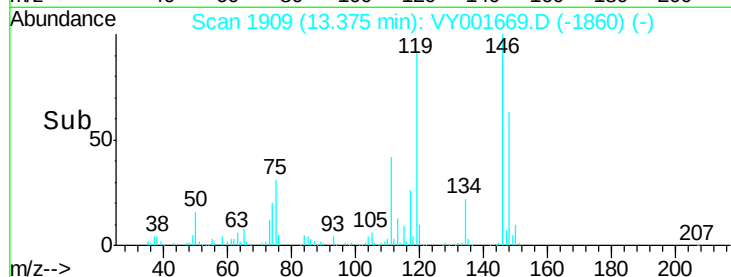
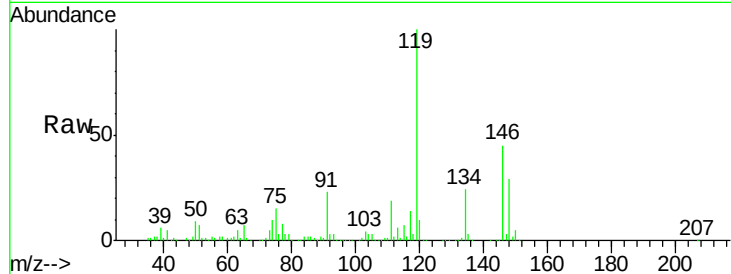
#87
 1,3-Dichlorobenzene
 Concen: 18.615 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.4	64.3
148	61.7	31.6	94.7

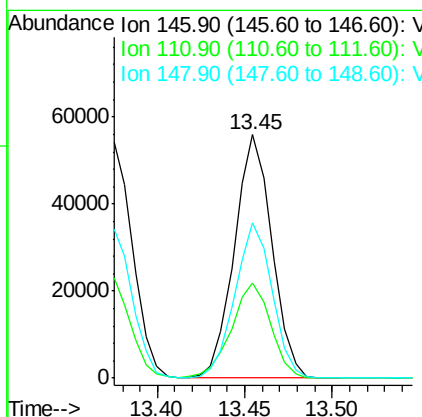
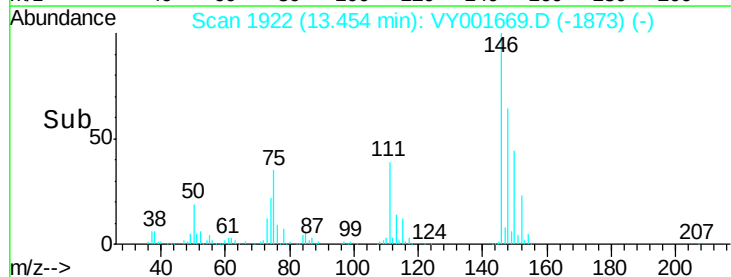
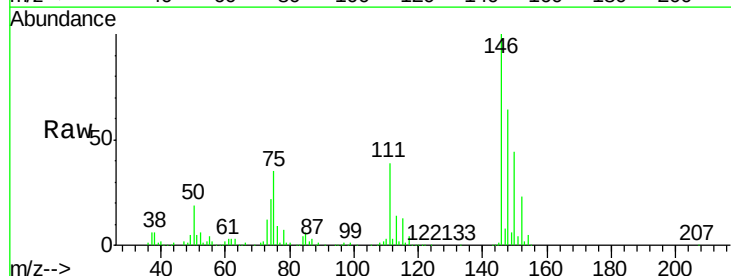
Manual Integrations
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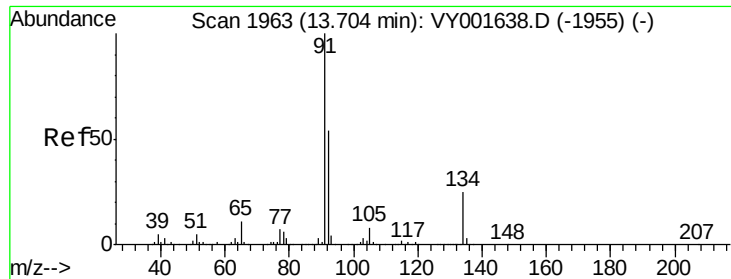
MMDadoda
 2/19/2020 1:42:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.469 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	63.8	31.6	94.7





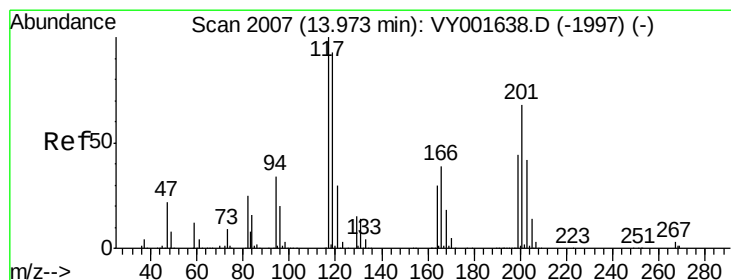
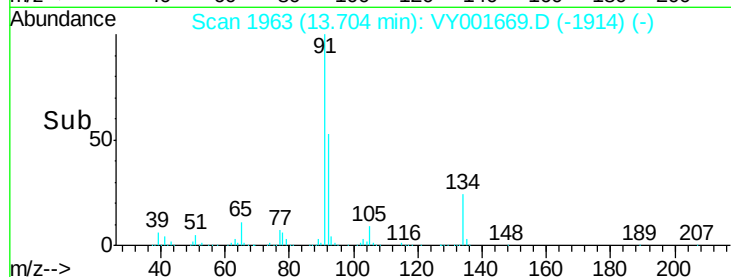
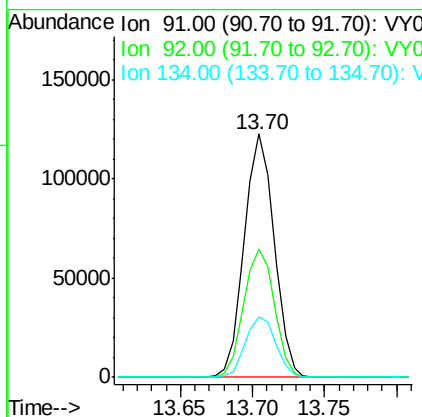
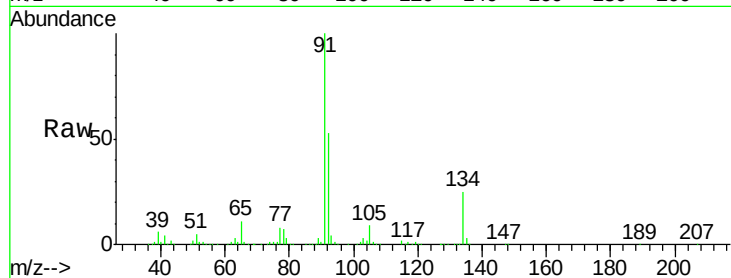
#89
n-Butylbenzene
Concen: 18.405 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	176666		
92	53.8		27.5	82.4
134	25.3		12.4	37.4

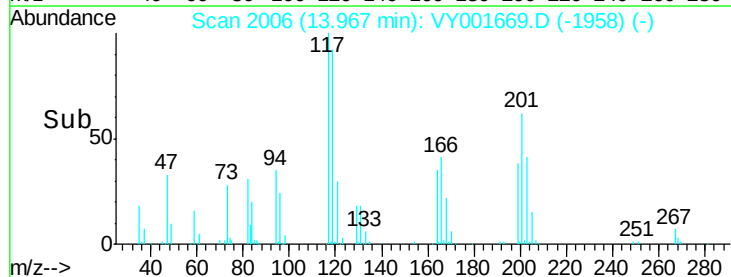
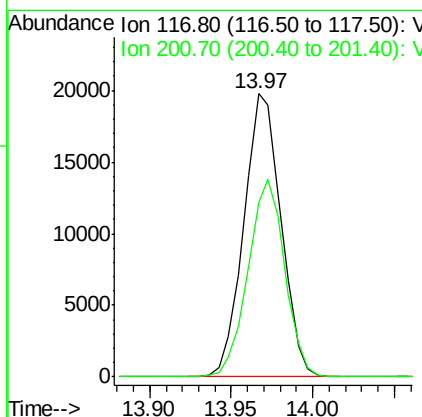
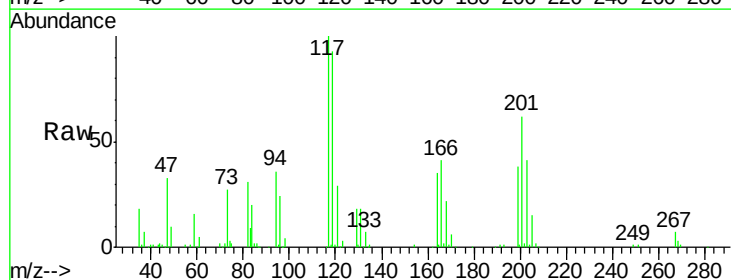
Manual Integrations
APPROVED

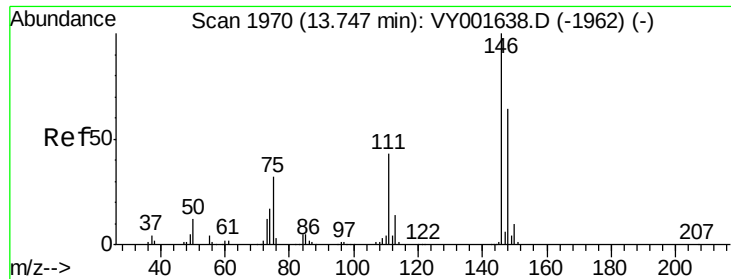
MMDadoda
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#90
Hexachloroethane
Concen: 17.742 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31400		
201	68.9		32.5	97.4





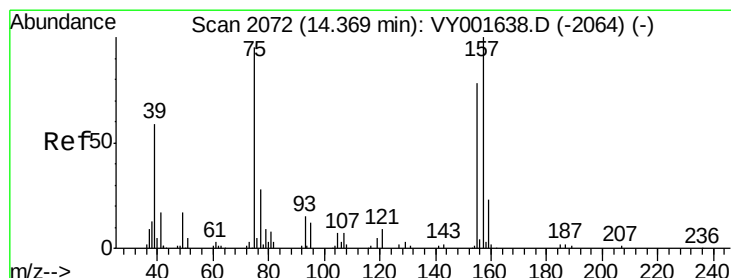
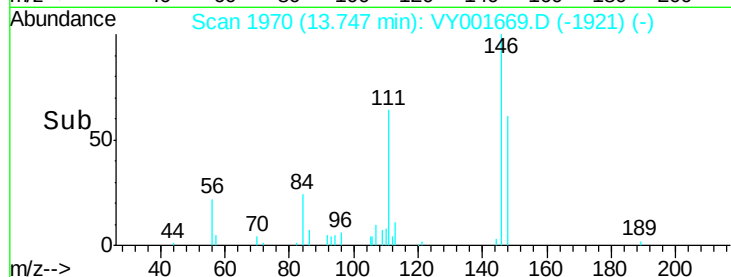
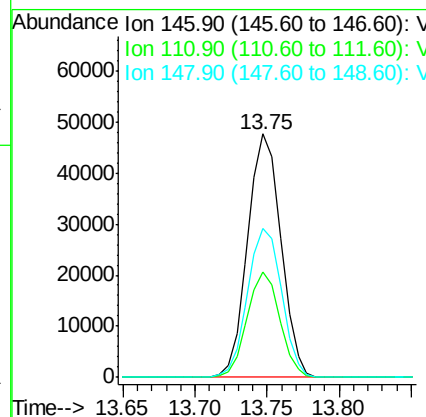
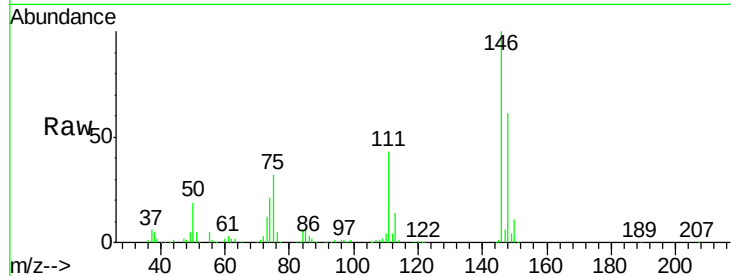
#91
 1,2-Dichlorobenzene
 Concen: 18.508 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.9	65.7
148	62.5	31.5	94.5

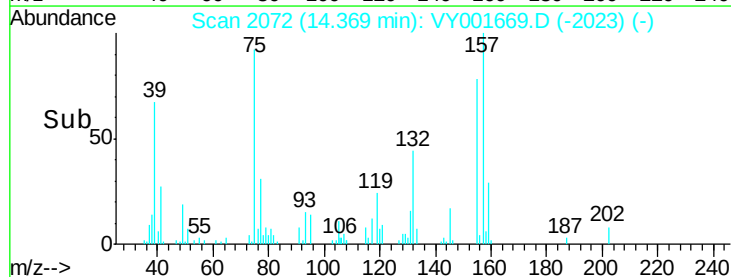
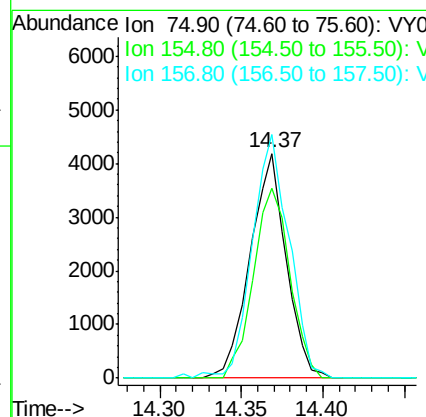
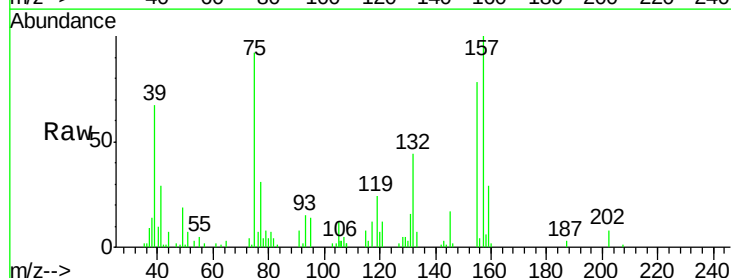
Manual Integrations
 APPROVED

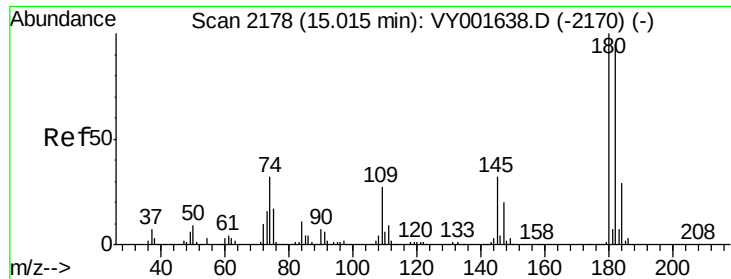
MMDadoda
 2/19/2020 1:42:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.215 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001669.D
 Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	40.8	122.4
157	111.3	52.1	156.4





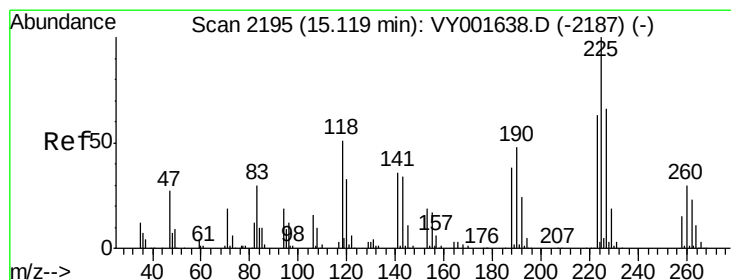
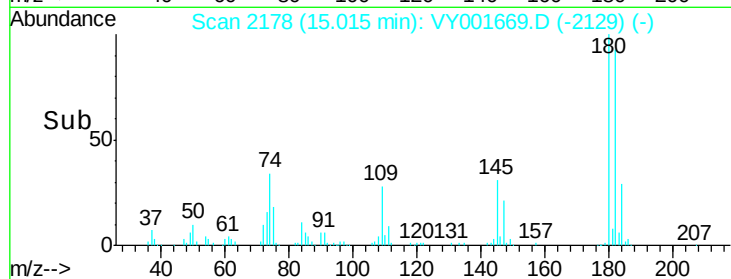
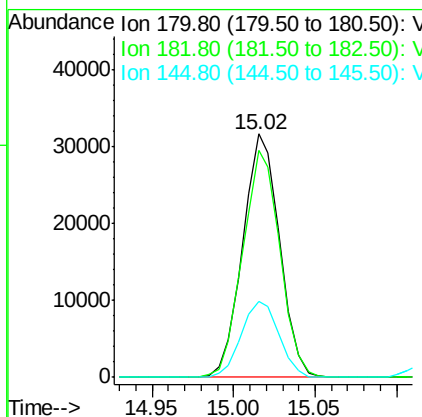
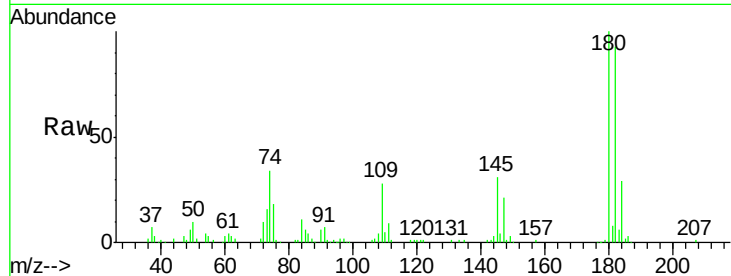
#93
1,2,4-Trichlorobenzene
Concen: 18.191 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0218SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.8	140.3
145	32.1	16.2	48.5

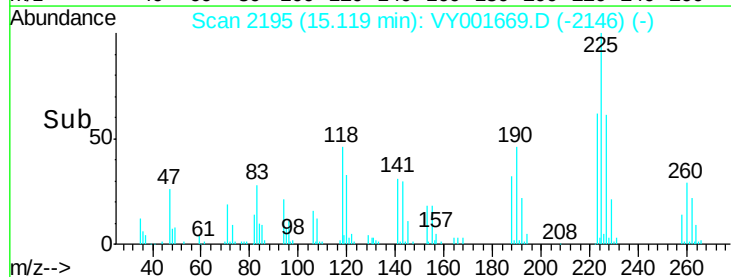
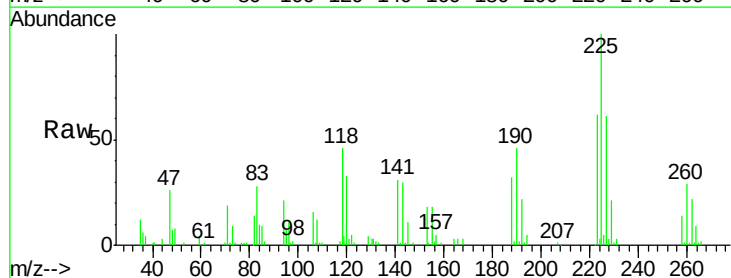
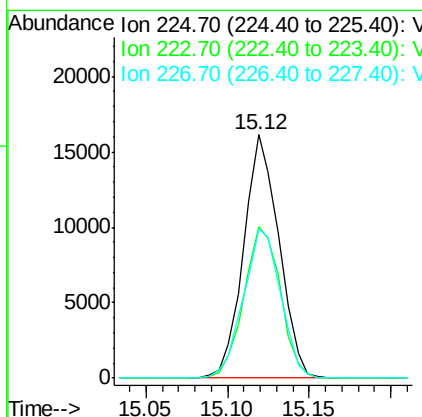
Manual Integrations
APPROVED

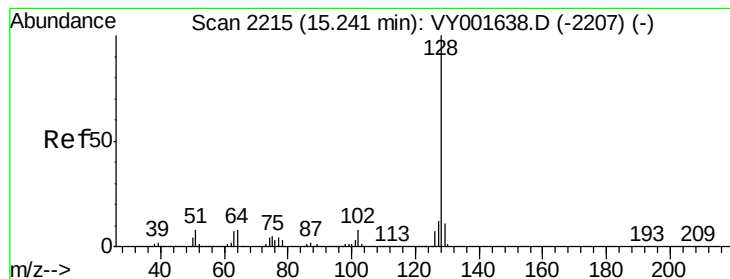
MMDadoda
2/19/2020 1:42:58 PM



#94
Hexachlorobutadiene
Concen: 17.925 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001669.D
Acq: 18 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.4	94.0
227	64.5	31.6	94.8





#95

Naphthalene

Concen: 17.807 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Instrument :

MSVOA_Y

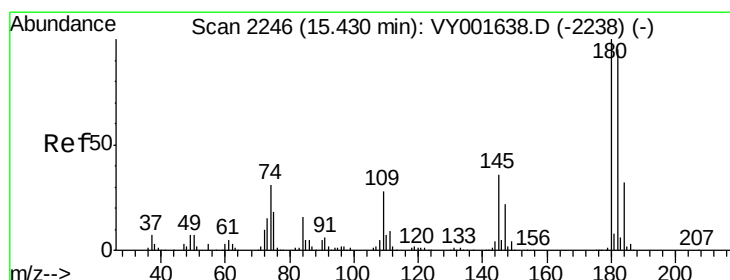
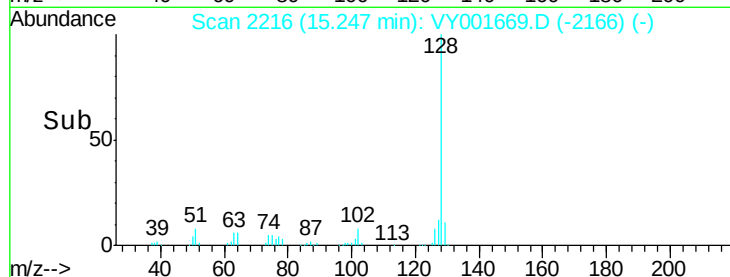
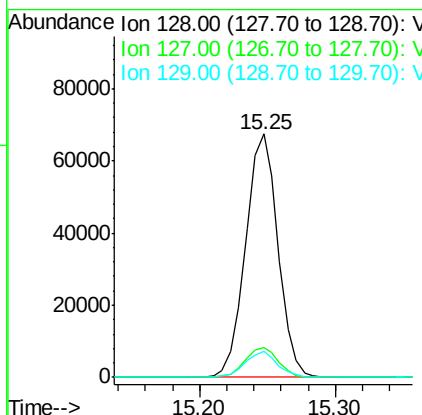
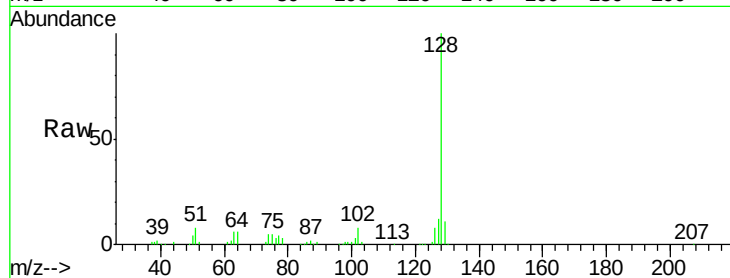
ClientSampleId :

VY0218SBS01

Tot Ion:	128	Resp:	112107
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:42:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.188 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001669.D

Acq: 18 Feb 2020 13:13

Tgt Ion:	180	Resp:	43689
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.2	141.6
145	33.0	17.3	52.0

