

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002015.D
 Acq On : 19 Mar 2020 12:52
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:06:15 PM

Quant Time: Mar 20 02:34:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	152852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	251341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	88029	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.75	113	81341	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.20	98	337599	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.49	95	118861	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26537	18.808	ug/l	99
3) Chloromethane	2.13	50	37382	19.651	ug/l	95
4) Vinyl Chloride	2.27	62	38884	20.096	ug/l	98
5) Bromomethane	2.66	94	25811	19.238	ug/l	90
6) Chloroethane	2.82	64	24726	20.343	ug/l	94
7) Trichlorofluoromethane	3.15	101	52369	19.957	ug/l	95
8) Diethyl Ether	3.55	74	21709	20.990	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35255	20.888	ug/l	98
10) Methyl Iodide	4.13	142	38318	19.632	ug/l	99
11) Tert butyl alcohol	4.97	59	37507	217.981	ug/l #	91
12) 1,1-Dichloroethene	3.91	96	35532	20.908	ug/l	97
13) Acrolein	3.76	56	18588	81.062	ug/l	95
14) Allyl chloride	4.51	41	63794	21.174	ug/l	100
15) Acrylonitrile	5.21	53	59083	106.905	ug/l	100
16) Acetone	3.98	43	48351	101.732	ug/l	94
17) Carbon Disulfide	4.23	76	107502	18.817	ug/l	99
18) Methyl Acetate	4.52	43	26271	21.513	ug/l	95
19) Methyl tert-butyl Ether	5.26	73	98417	21.370	ug/l	92
20) Methylene Chloride	4.75	84	44814	22.001	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	39917	20.694	ug/l	98
22) Diisopropyl ether	6.16	45	133987	21.696	ug/l	99
23) Vinyl Acetate	6.10	43	425221	105.030	ug/l	98
24) 1,1-Dichloroethane	6.06	63	70958	21.217	ug/l	96
25) 2-Butanone	7.02	43	76509	105.856	ug/l	95
26) 2,2-Dichloropropane	7.02	77	60239	21.946	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	45263	21.572	ug/l	98
28) Bromochloromethane	7.37	49	34595	22.950	ug/l	98
29) Tetrahydrofuran	7.38	42	50001	104.177	ug/l	98
30) Chloroform	7.54	83	67684	21.541	ug/l	96
31) Cyclohexane	7.82	56	73078	20.380	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	56828	21.459	ug/l	99
36) 1,1-Dichloropropene	7.95	75	55549	20.661	ug/l	100
37) Ethyl Acetate	7.10	43	34169	21.867	ug/l	99
38) Carbon Tetrachloride	7.93	117	47971	20.887	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	71439	20.034	ug/l	98
40) Benzene	8.19	78	164625	20.658	ug/l	99
41) Methacrylonitrile	7.36	41	19261m	27.389	ug/l	
42) 1,2-Dichloroethane	8.26	62	44212	21.530	ug/l	99
43) Isopropyl Acetate	8.30	43	60497	20.449	ug/l	99
44) Trichloroethene	8.96	130	40697	20.969	ug/l	90
45) 1,2-Dichloropropane	9.24	63	43212	21.571	ug/l	99
46) Dibromomethane	9.33	93	21840	21.156	ug/l	98
47) Bromodichloromethane	9.52	83	50863	21.181	ug/l	100
48) Methyl methacrylate	9.32	41	26944	20.525	ug/l	94
49) 1,4-Dioxane	9.32	88	5738	405.644	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	169971	111.543	ug/l	99
52) Toluene	10.26	92	100149	20.688	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	56132	21.455	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	65957	21.177	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	32450	21.479	ug/l	97
56) Ethyl methacrylate	10.52	69	46274	20.896	ug/l	96
57) 1,3-Dichloropropane	10.81	76	57314	21.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	125974	149.854	ug/l	99
59) 2-Hexanone	10.85	43	109663	100.828	ug/l	100
60) Dibromochloromethane	11.00	129	33412	20.988	ug/l	100
61) 1,2-Dibromoethane	11.10	107	29986	20.953	ug/l	100
64) Tetrachloroethene	10.74	164	33462	21.229	ug/l	95
65) Chlorobenzene	11.53	112	107141	21.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	35274	21.478	ug/l	99
67) Ethyl Benzene	11.61	91	198274	21.228	ug/l	97
68) m/p-Xylenes	11.72	106	145515	42.140	ug/l	99
69) o-Xylene	12.04	106	68469	21.037	ug/l	100
70) Styrene	12.06	104	118210	21.206	ug/l	99
71) Bromoform	12.22	173	18577	20.858	ug/l #	99
73) Isopropylbenzene	12.34	105	187337	20.912	ug/l	100
74) N-amyl acetate	12.16	43	55494	20.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	39945	20.677	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28188m	20.244	ug/l	
77) Bromobenzene	12.62	156	40350	21.260	ug/l	96
78) n-propylbenzene	12.68	91	231547	20.951	ug/l	99
79) 2-Chlorotoluene	12.77	91	126781	20.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	155095	21.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13635	19.780	ug/l	95
82) 4-Chlorotoluene	12.86	91	133762	21.040	ug/l	100
83) tert-Butylbenzene	13.09	119	132318	21.602	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	154684	21.135	ug/l	100
85) sec-Butylbenzene	13.27	105	192118	21.279	ug/l	100
86) p-Isopropyltoluene	13.38	119	167703	21.532	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	79691	21.427	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	79807	21.151	ug/l	99
89) n-Butylbenzene	13.70	91	171040	21.167	ug/l	99
90) Hexachloroethane	13.97	117	31284	21.292	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	72128	21.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5867	19.463	ug/l	98

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MSVOA_Y
ClientSampleId :
VY0319SBSD01

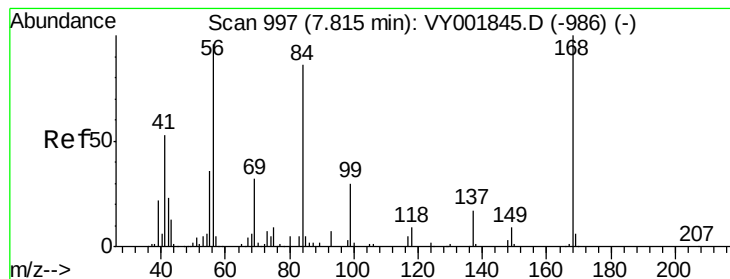
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	47256	21.566	ug/l	99
94) Hexachlorobutadiene	15.12	225	22834	21.374	ug/l	99
95) Naphthalene	15.25	128	105718	20.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	41259	21.374	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion:168 Resp: 152852

Ion Ratio Lower Upper

168 100

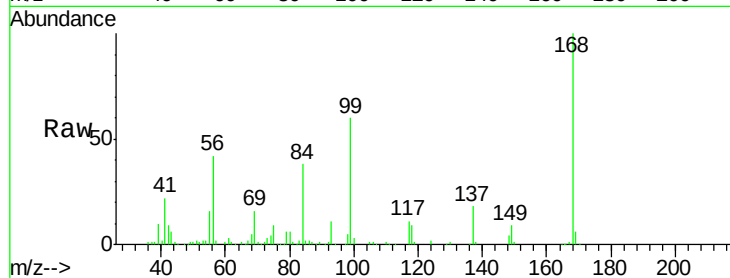
99 60.3 46.7 70.1

Manual Integrations

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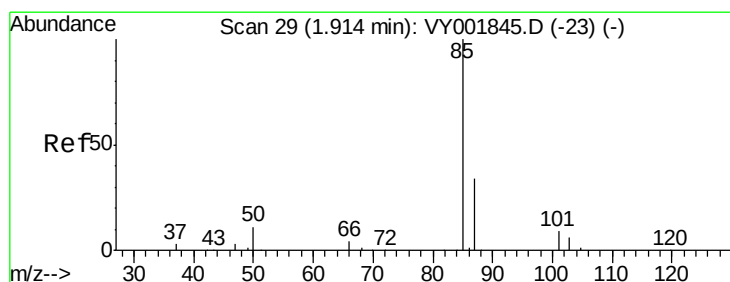
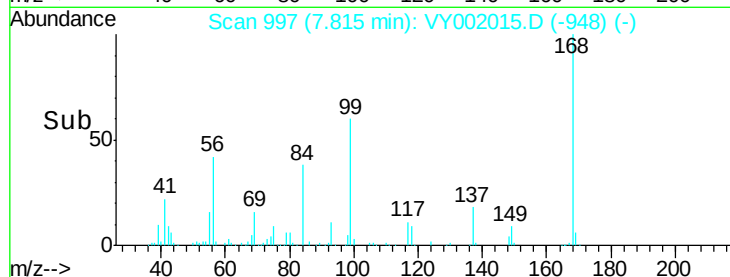
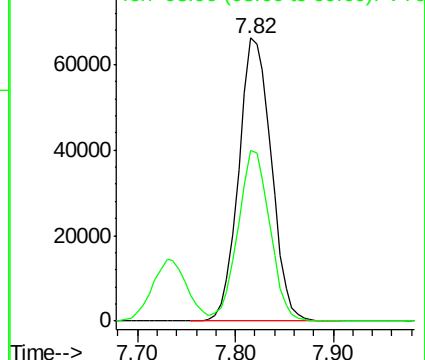
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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#2

Dichlorodifluoromethane

Concen: 18.808 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002015.D

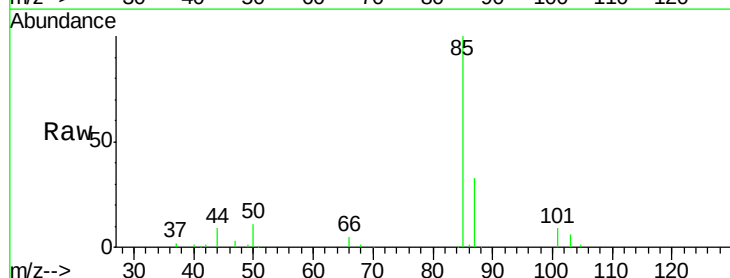
Acq: 19 Mar 2020 12:52

Tgt Ion: 85 Resp: 26537

Ion Ratio Lower Upper

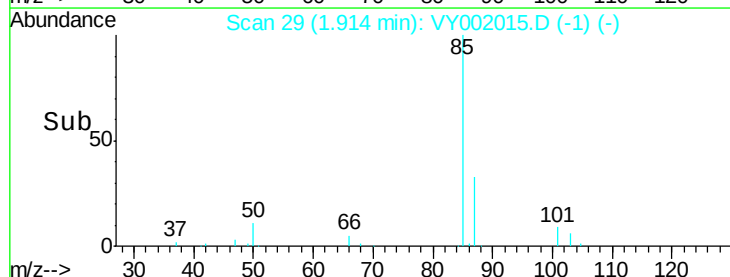
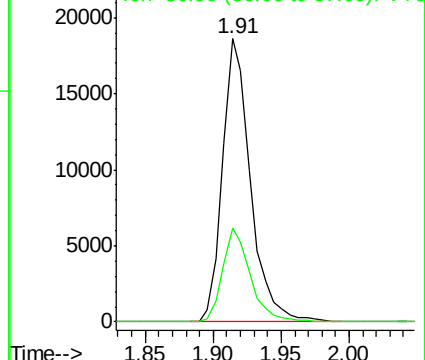
85 100

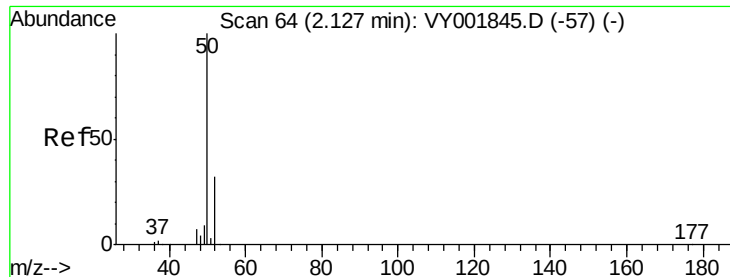
87 33.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0





#3

Chloromethane

Concen: 19.651 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 50 Resp: 37382

Ion Ratio Lower Upper

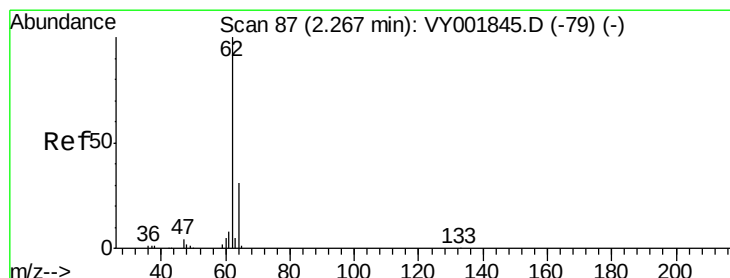
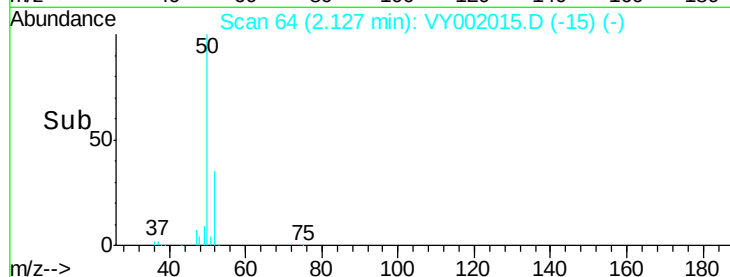
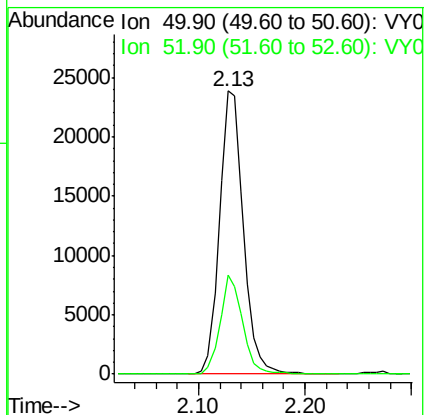
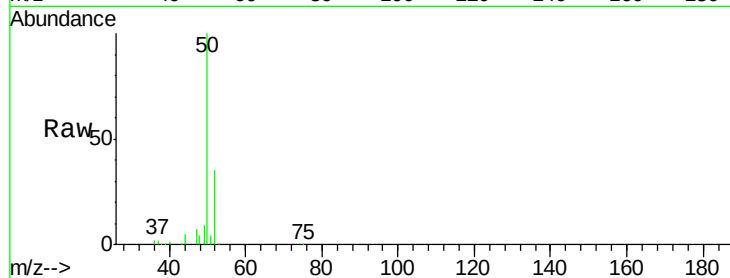
50 100

52 34.8 25.8 38.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.096 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002015.D

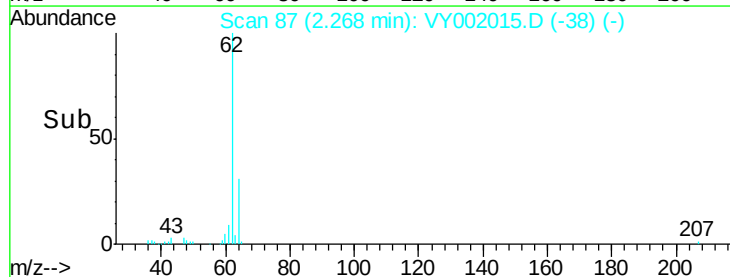
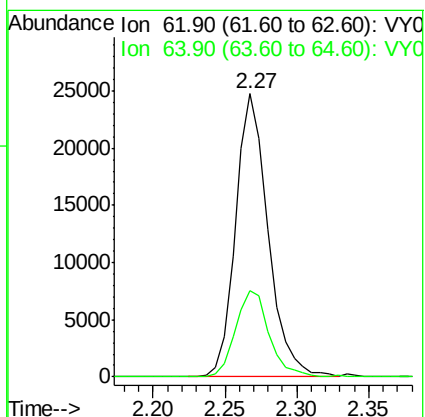
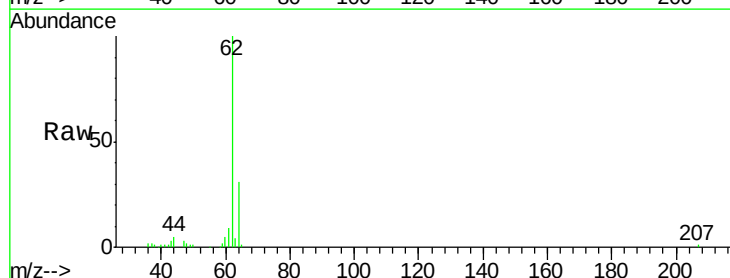
Acq: 19 Mar 2020 12:52

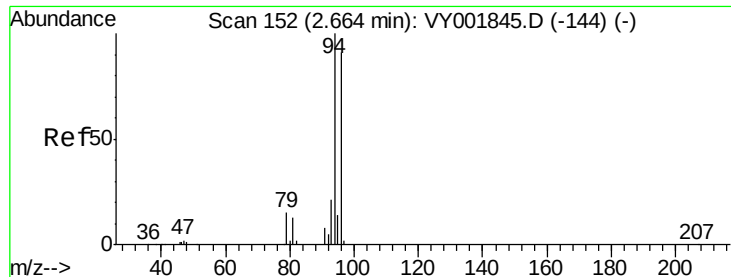
Tgt Ion: 62 Resp: 38884

Ion Ratio Lower Upper

62 100

64 30.5 25.1 37.7





#5

Bromomethane

Concen: 19.238 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 94 Resp: 25811

Ion Ratio Lower Upper

94 100

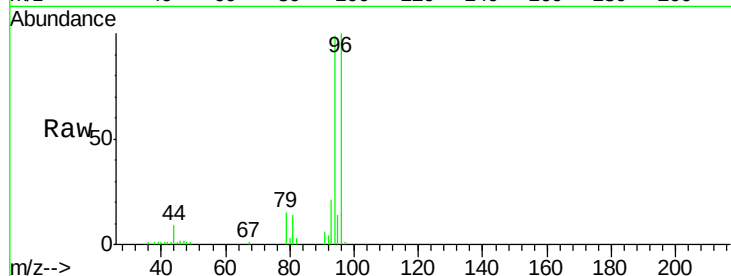
96 101.0 73.2 109.8

Manual Integrations

APPROVED

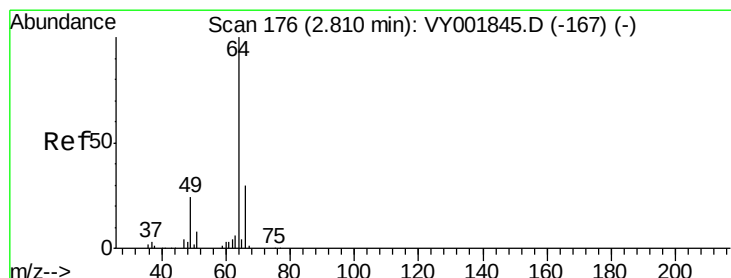
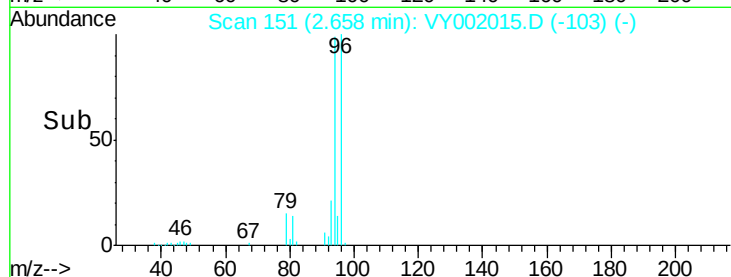
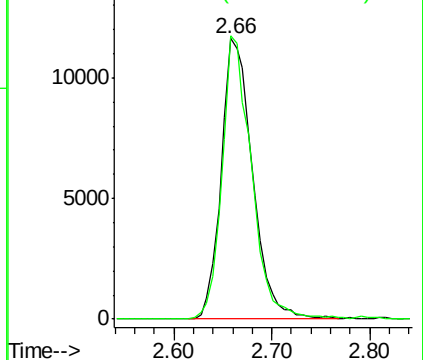
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.343 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002015.D

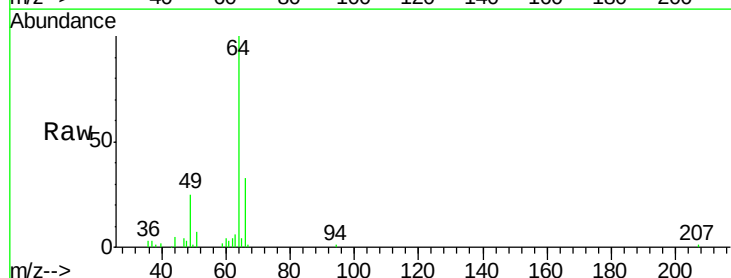
Acq: 19 Mar 2020 12:52

Tgt Ion: 64 Resp: 24726

Ion Ratio Lower Upper

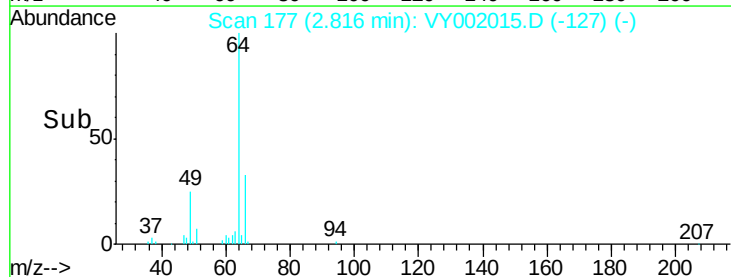
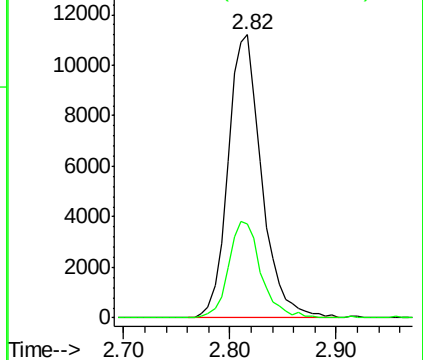
64 100

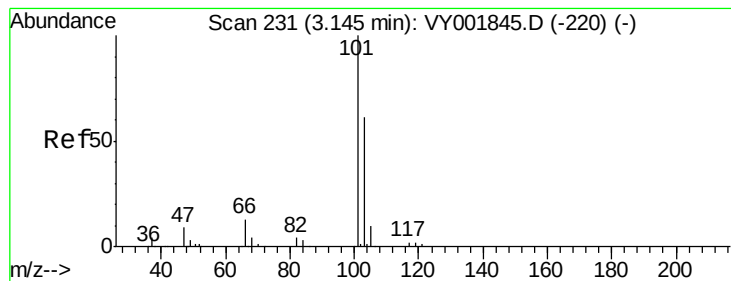
66 33.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

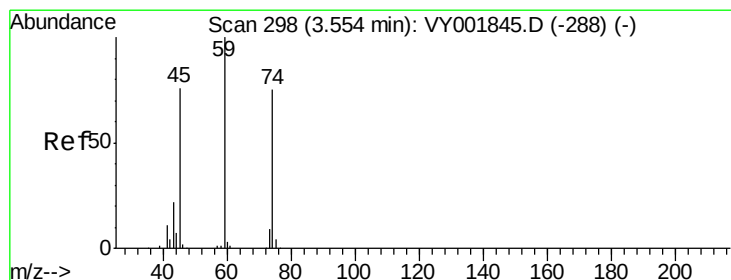
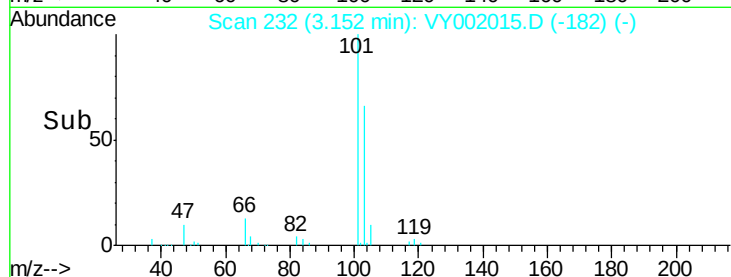
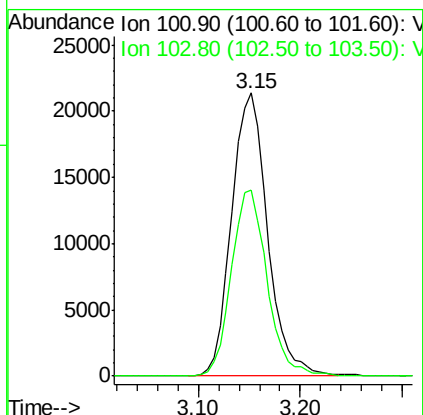
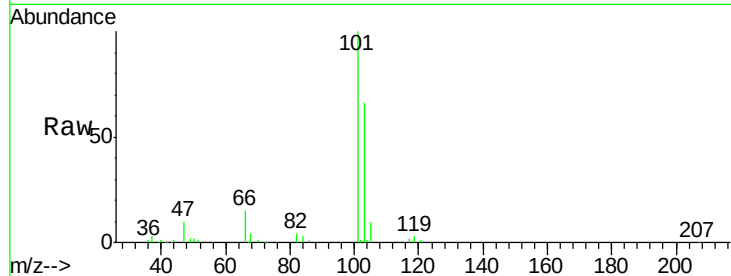
Trichlorofluoromethane
 Concen: 19.957 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

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 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.1	73.7

Manual Integrations
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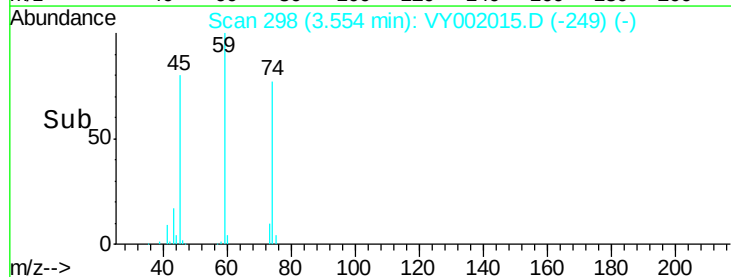
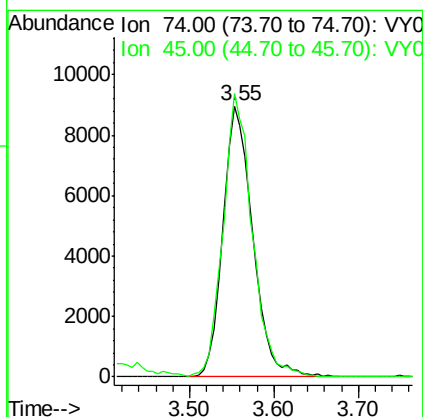
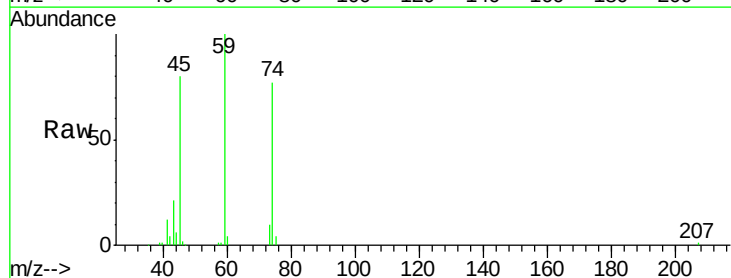
MMDadoda
 3/20/2020 12:06:15 PM

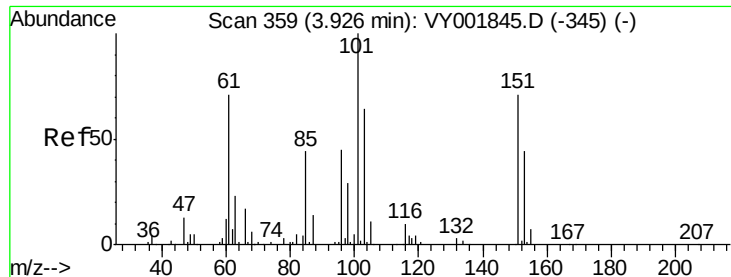


#8

Diethyl Ether
 Concen: 20.990 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.888 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

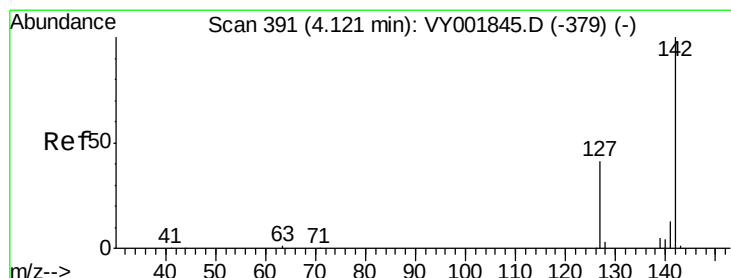
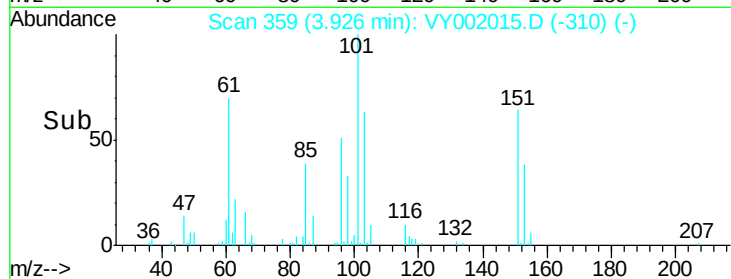
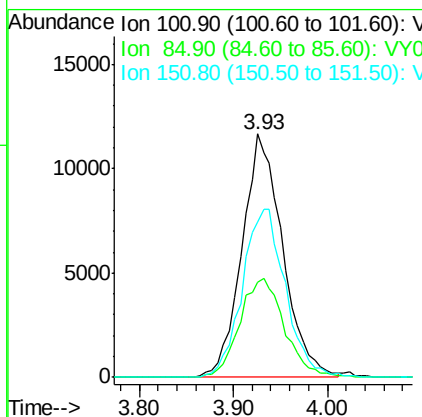
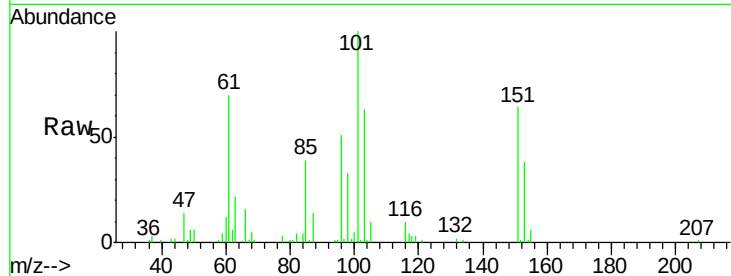
ClientSampleId :

VY0319SBS01

Tot Ion:	101	Resp:	35255
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.3	52.9
151	73.2	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.632 ug/l

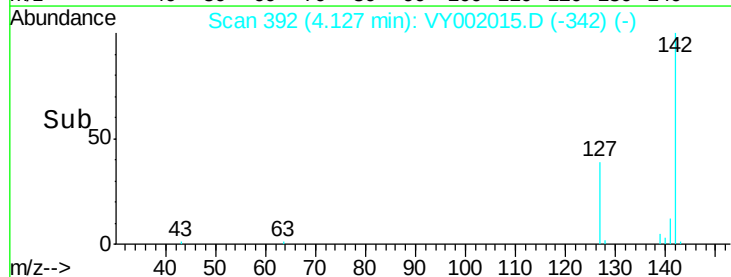
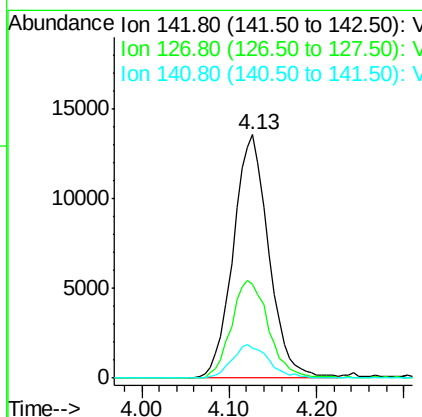
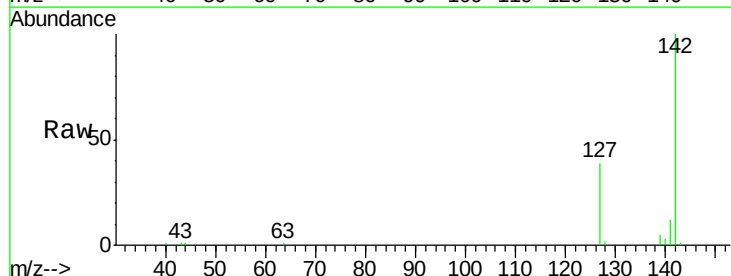
RT: 4.13 min Scan# 392

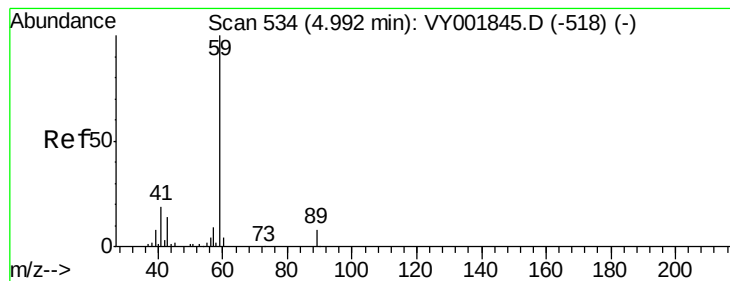
Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion:	142	Resp:	38318
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	14.1	11.0	16.6





#11

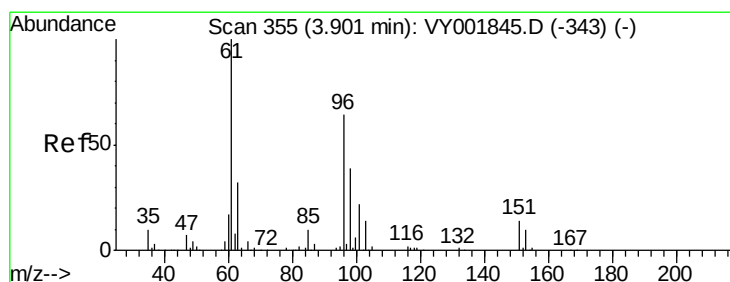
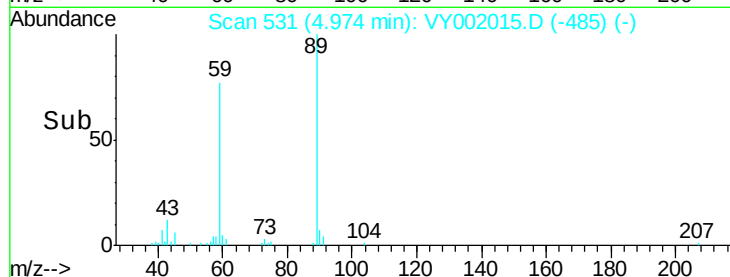
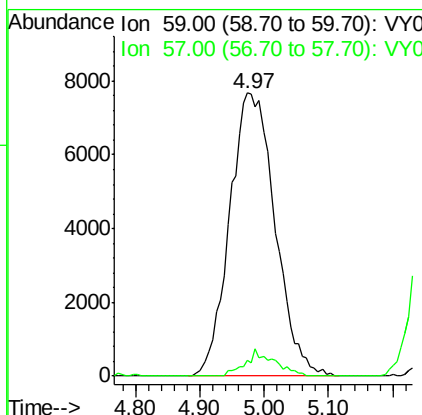
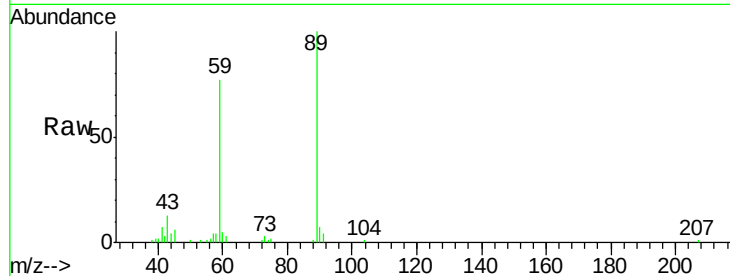
Tert butyl alcohol
 Concen: 217.981 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	7.4	11.2#

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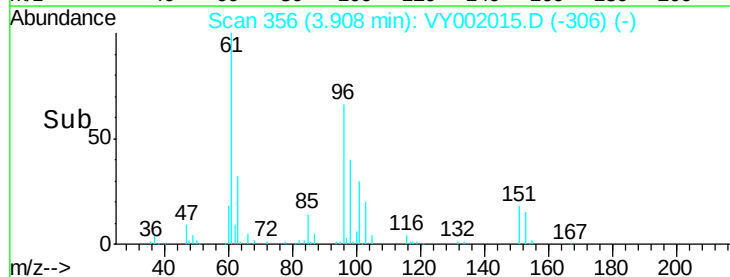
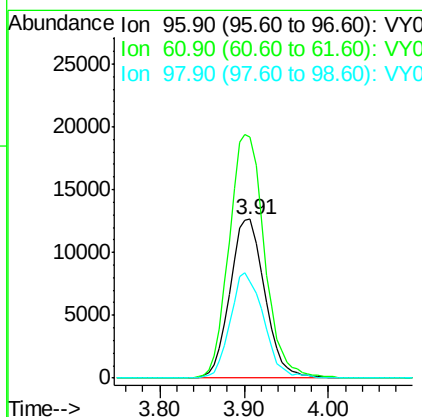
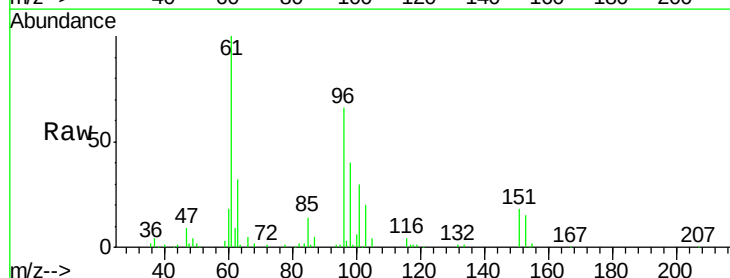
MMDadoda
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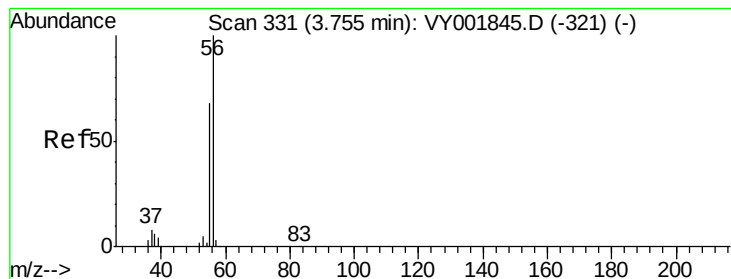


#12

1,1-Dichloroethene
 Concen: 20.908 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	124.8	187.2
98	61.0	49.2	73.8





#13

Acrolein

Concen: 81.062 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 56 Resp: 18588

Ion Ratio Lower Upper

56 100

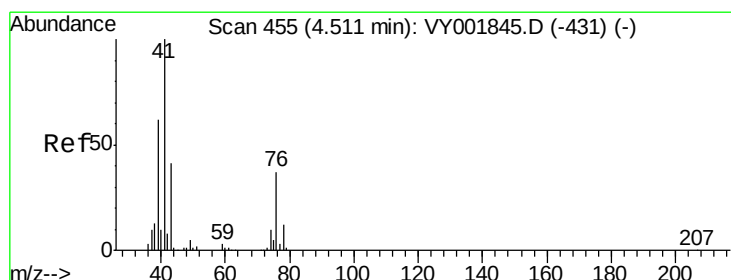
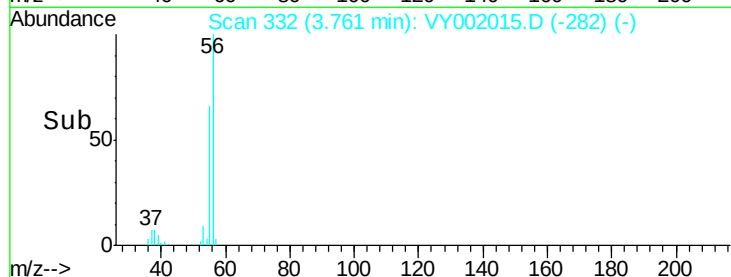
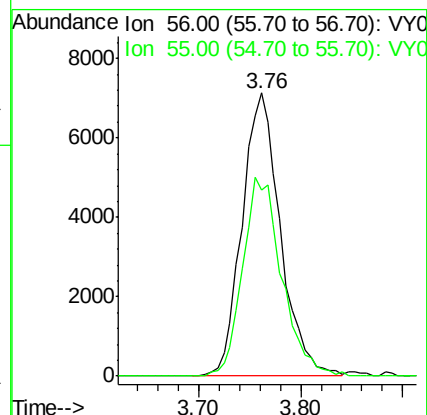
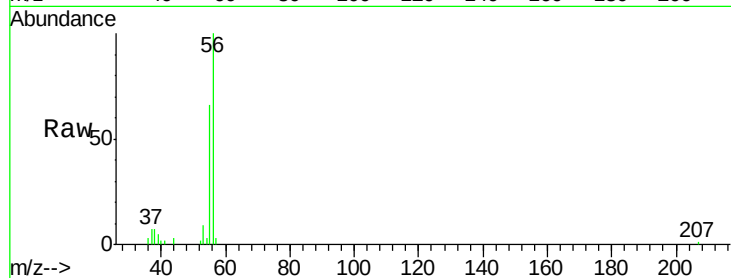
55 71.7 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.174 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

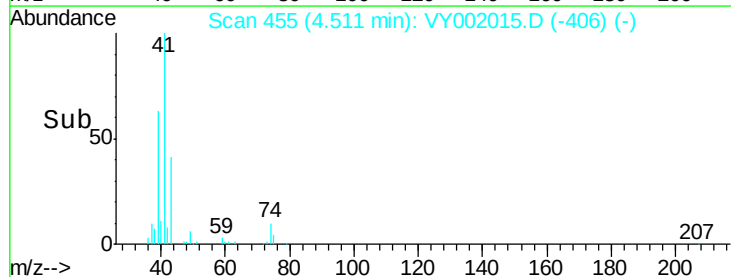
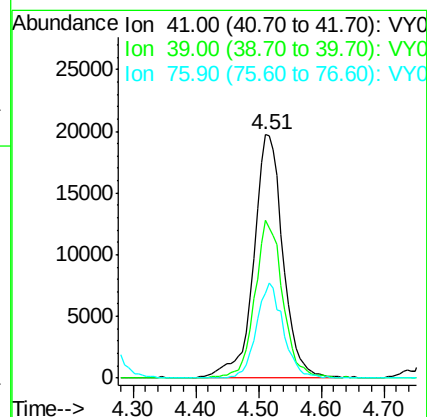
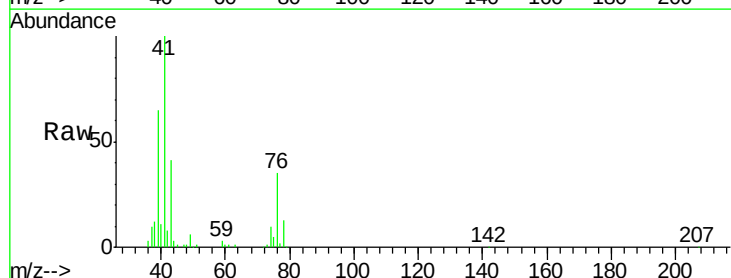
Tgt Ion: 41 Resp: 63794

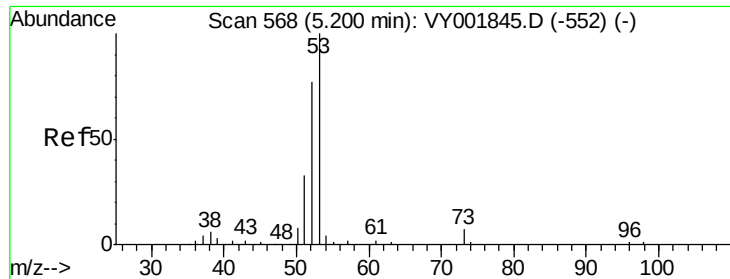
Ion Ratio Lower Upper

41 100

39 61.4 49.0 73.6

76 35.5 28.9 43.3





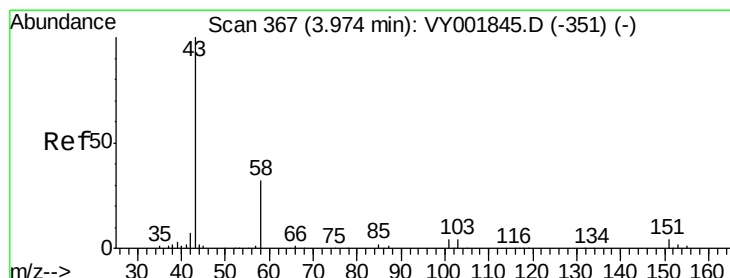
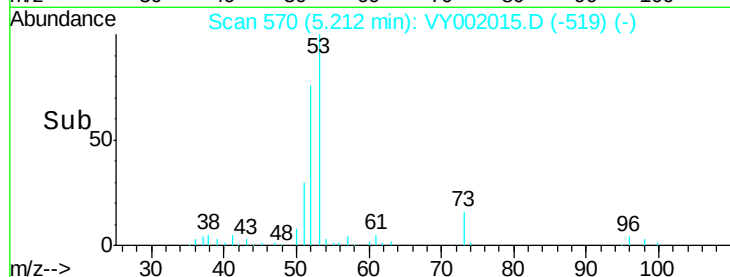
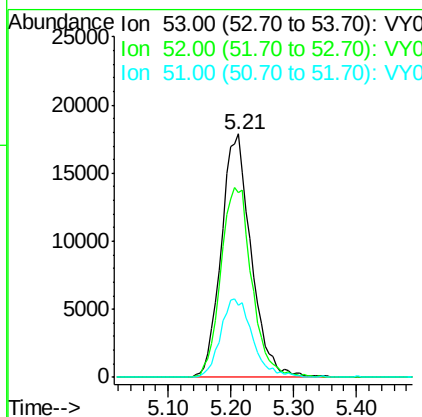
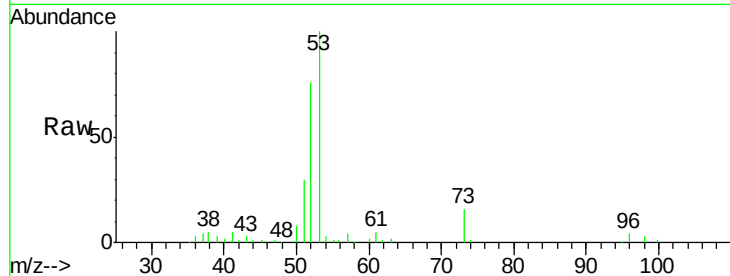
#15
 Acrylonitrile
 Concen: 106.905 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	34.4	27.5	41.3

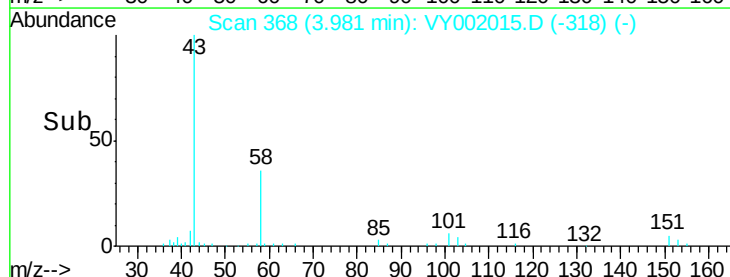
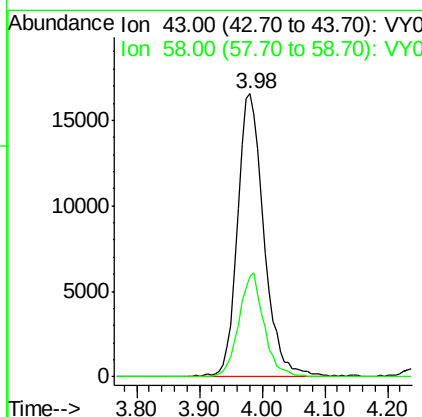
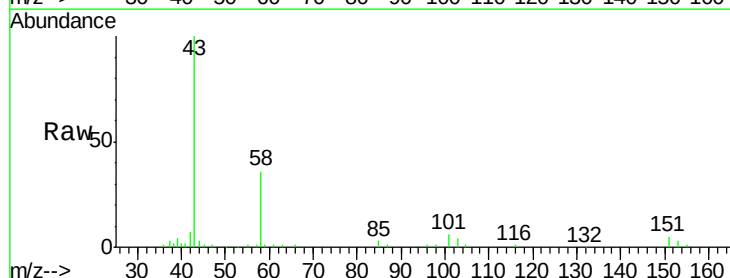
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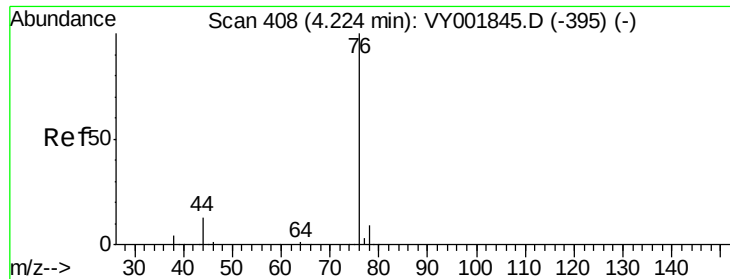
MMDadoda
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#16
 Acetone
 Concen: 101.732 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	25.9	38.9





#17

Carbon Disulfide

Concen: 18.817 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 76 Resp: 107502

Ion Ratio Lower Upper

76 100

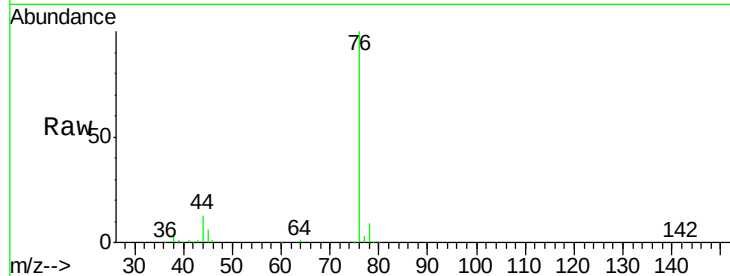
78 8.9 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.23

40000

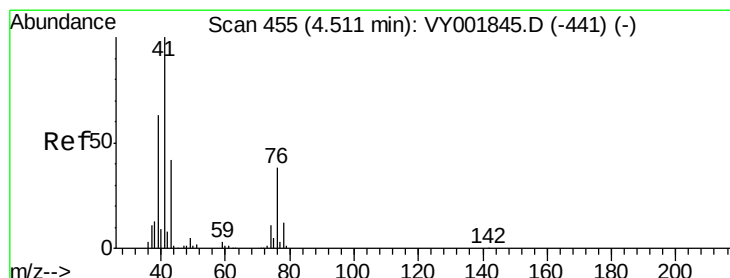
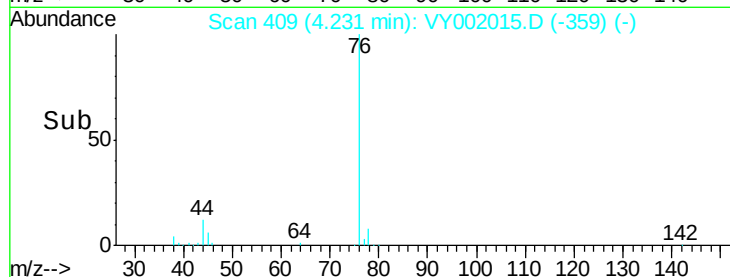
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.513 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY002015.D

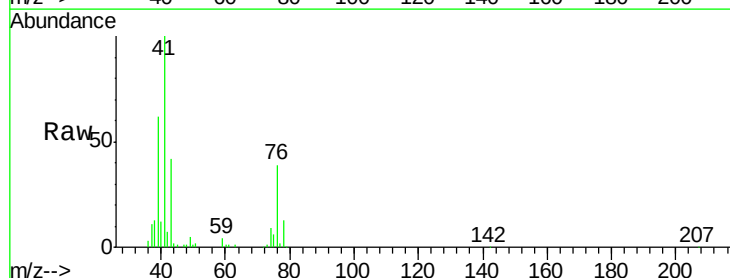
Acq: 19 Mar 2020 12:52

Tgt Ion: 43 Resp: 26271

Ion Ratio Lower Upper

43 100

74 21.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.52

8000

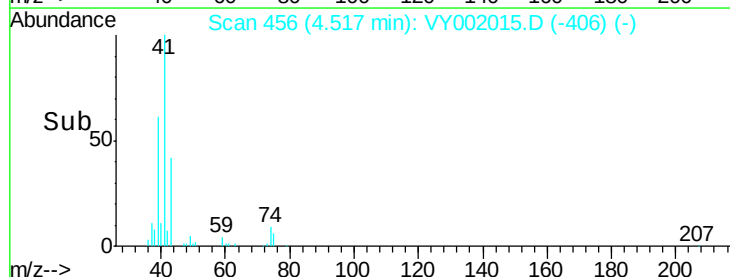
6000

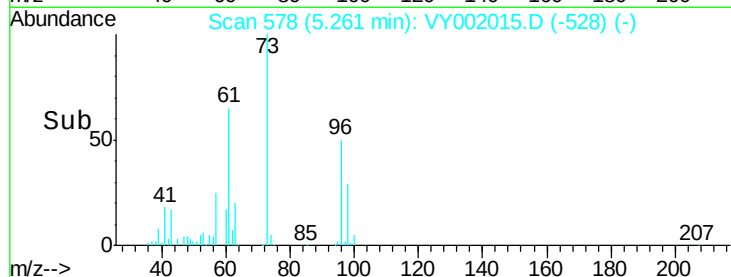
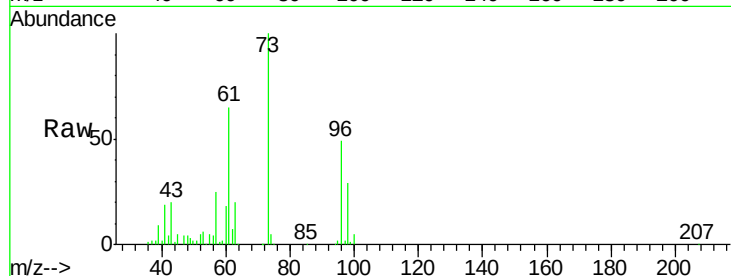
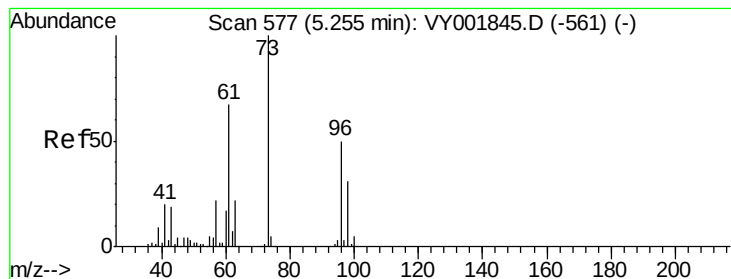
4000

2000

0

Time-->





#19

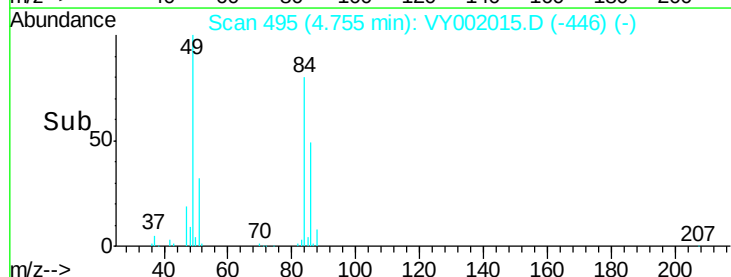
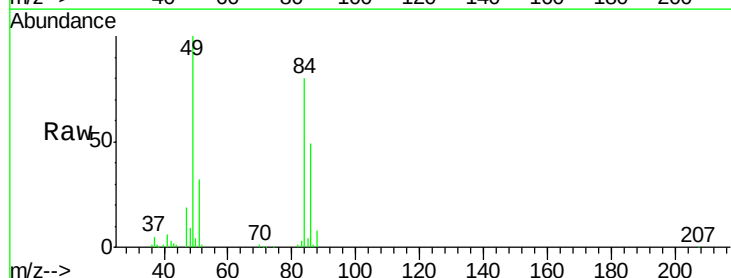
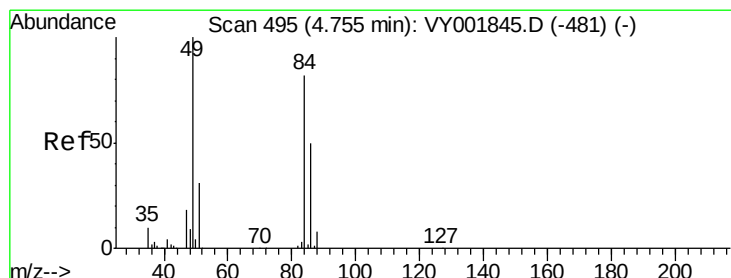
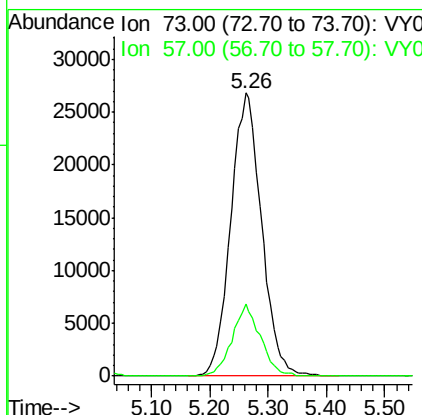
Methyl tert-butyl Ether
Concen: 21.370 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tot Ion	73	Resp	98417
Ion Ratio	100	Lower	Upper
57	25.4	17.4	26.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Manual Integrations
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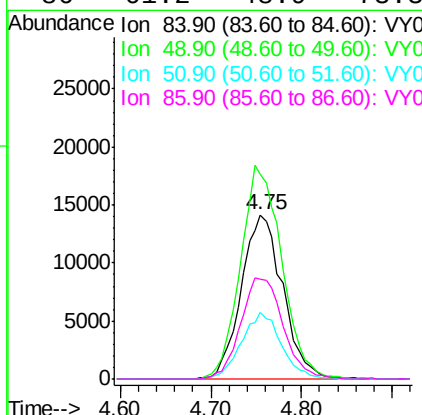
MMDadoda
3/20/2020 12:06:15 PM

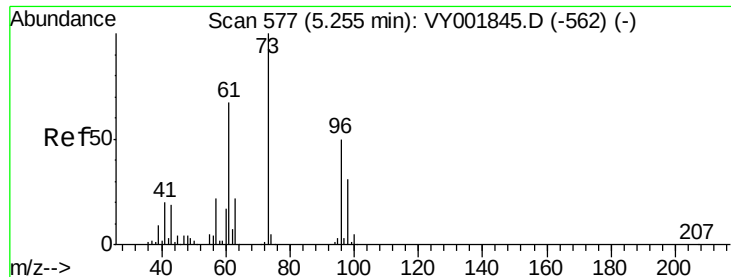


#20

Methylene Chloride
Concen: 22.001 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	84	Resp	44814
Ion Ratio	100	Lower	Upper
49	124.4	98.2	147.2
51	40.4	30.2	45.2
86	61.2	48.9	73.3





#21

trans-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

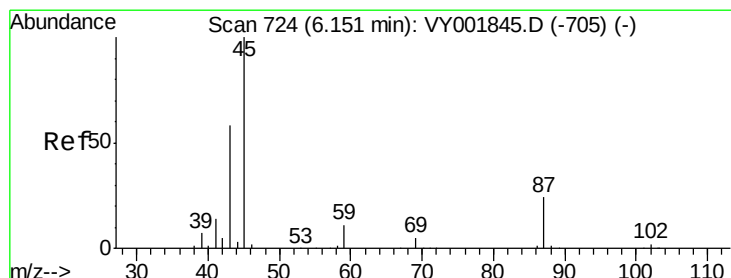
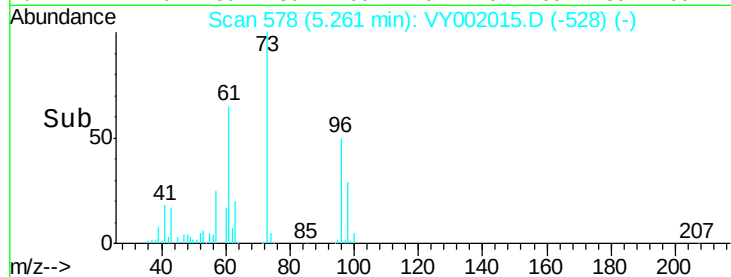
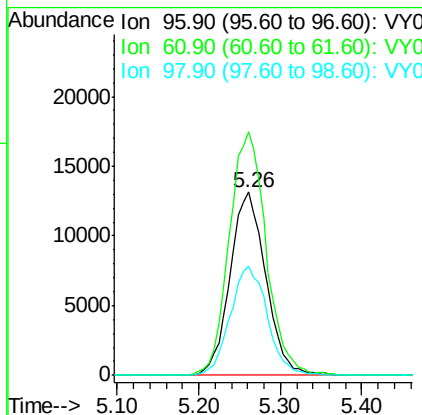
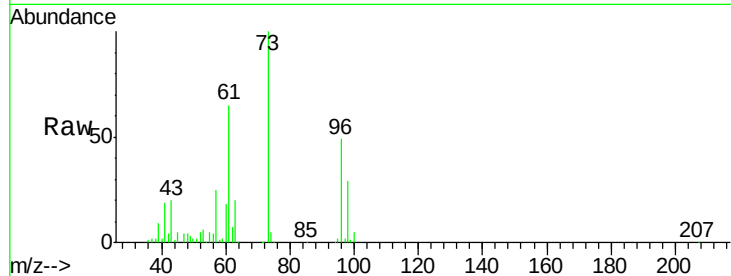
ClientSampleId :

VY0319SBS01

Tot Ion:	96	Resp:	39917
Ion	Ratio	Lower	Upper
96	100		
61	133.1	107.7	161.5
98	59.5	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.696 ug/l

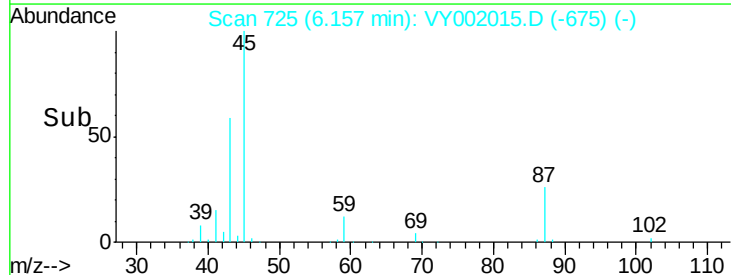
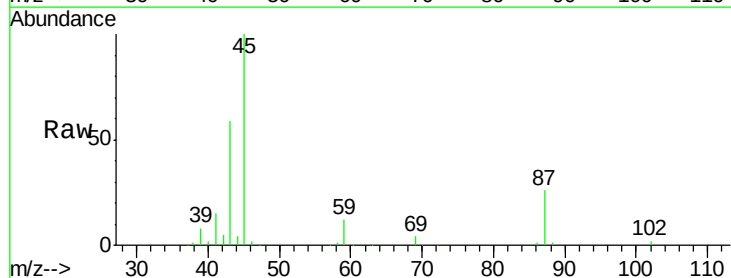
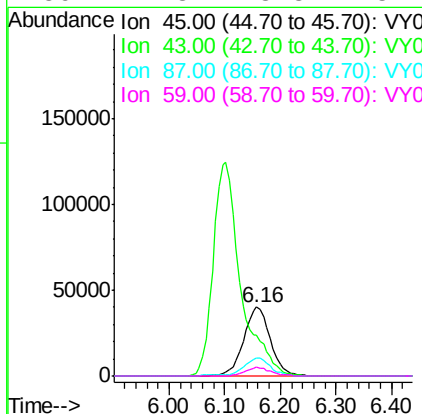
RT: 6.16 min Scan# 725

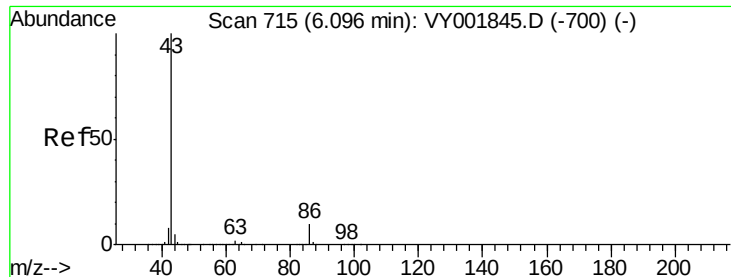
Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion:	45	Resp:	133987
Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.2	70.8
87	25.8	19.8	29.8
59	12.3	8.8	13.2





#23

Vinyl Acetate

Concen: 105.030 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 43 Resp: 425221

Ion Ratio Lower Upper

43 100

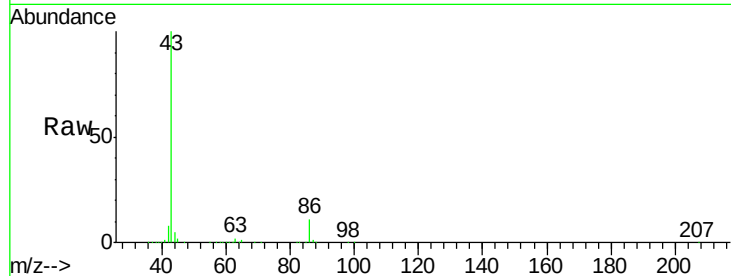
86 10.7 7.8 11.8

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

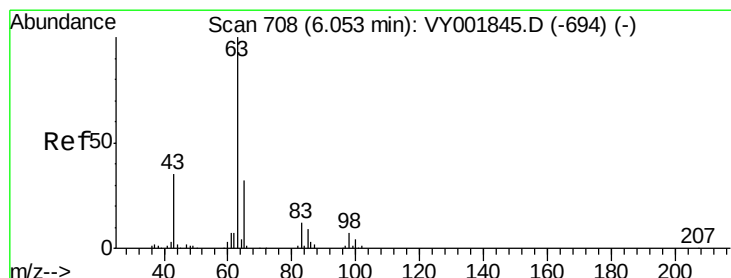
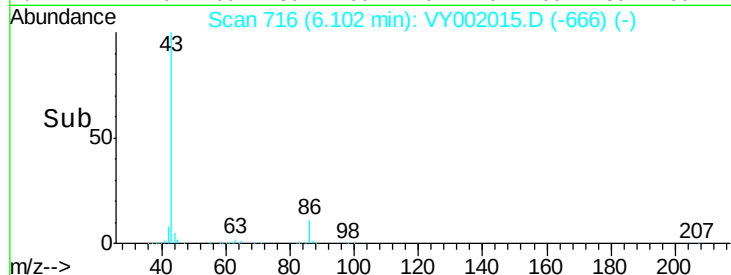
6.10

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.217 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

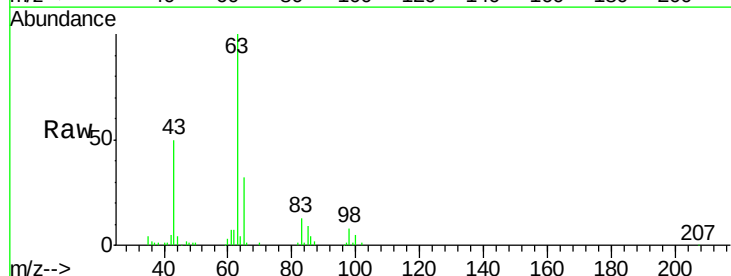
Tgt Ion: 63 Resp: 70958

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.2

100 5.3 2.0 6.0



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

6.06

30000

25000

20000

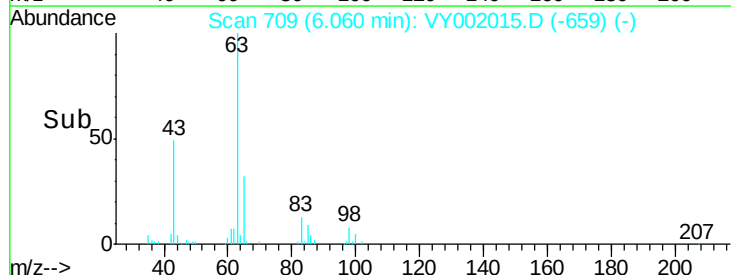
15000

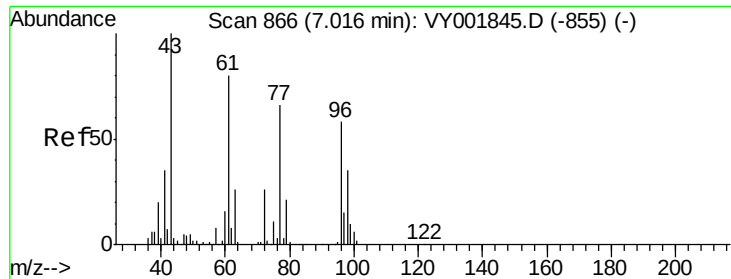
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





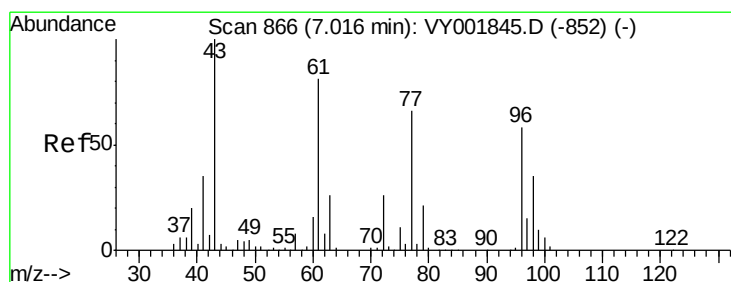
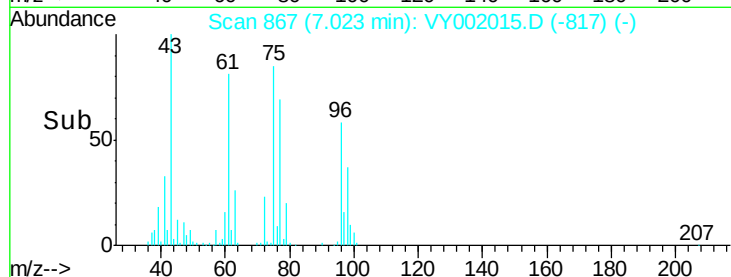
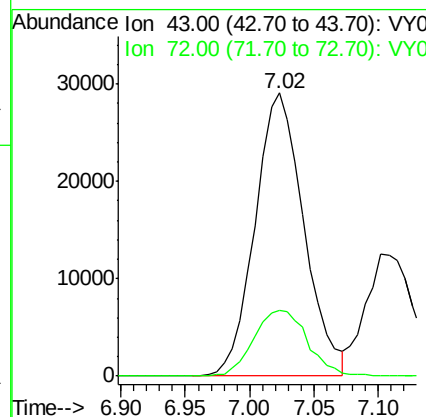
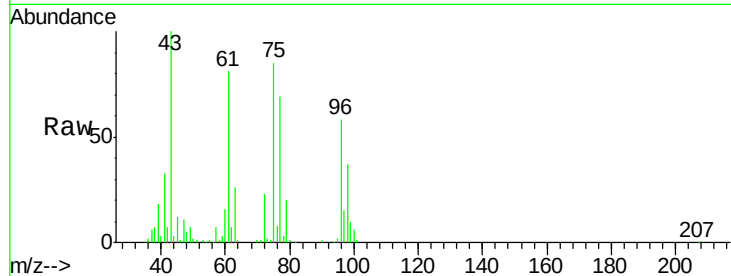
#25
2-Butanone
Concen: 105.856 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 43 Resp: 76509
Ion Ratio Lower Upper
43 100
72 23.4 20.9 31.3

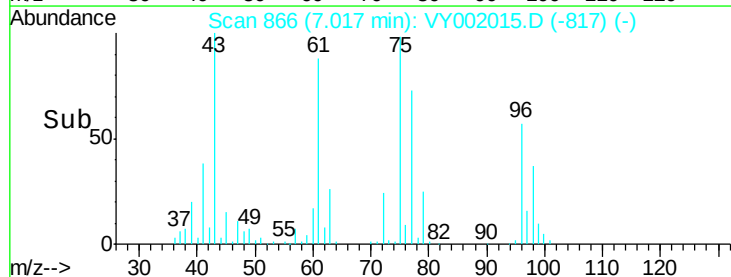
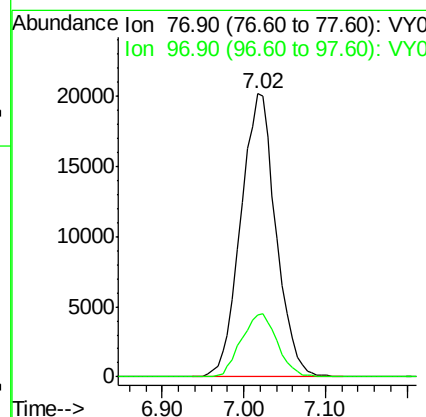
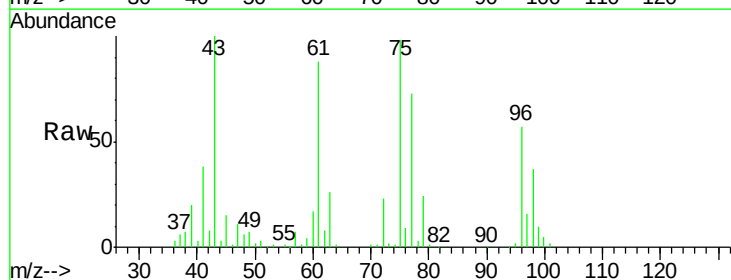
Manual Integrations
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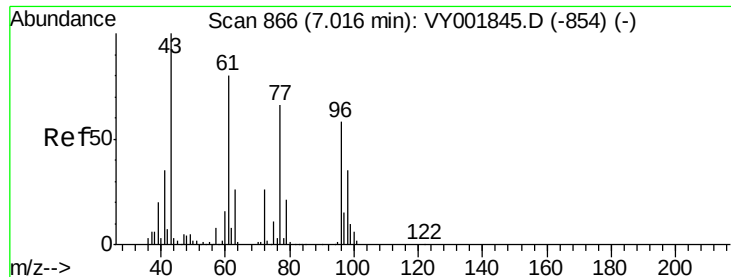
MMDadoda
3/20/2020 12:06:15 PM



#26
2,2-Dichloropropane
Concen: 21.946 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion: 77 Resp: 60239
Ion Ratio Lower Upper
77 100
97 22.9 11.9 35.7





#27

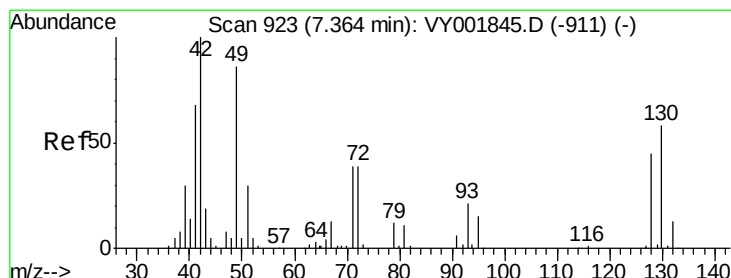
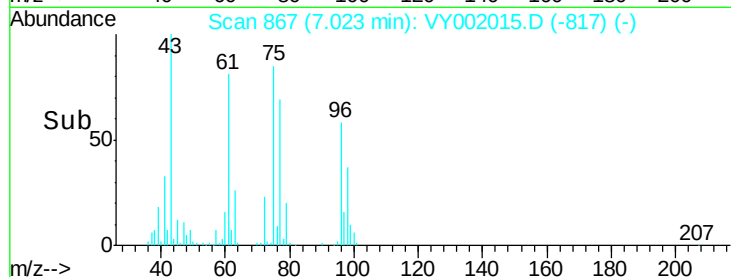
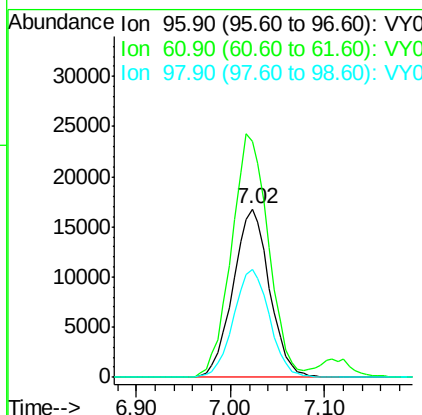
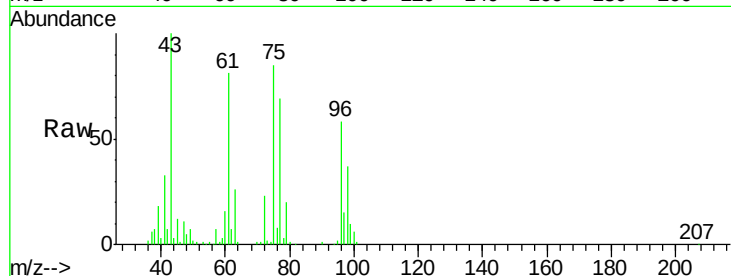
cis-1,2-Dichloroethene
Concen: 21.572 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	288.2
98	63.5	0.0	129.0

Manual Integrations
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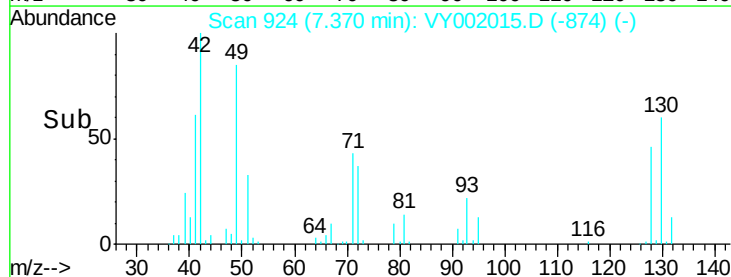
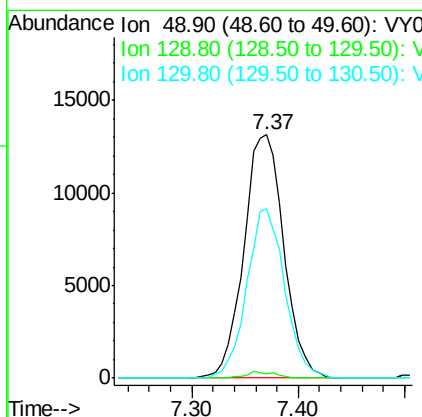
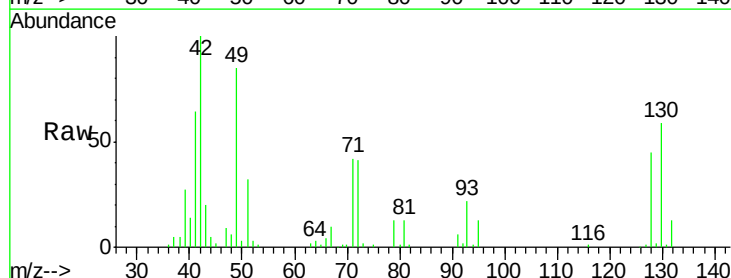
MMDadoda
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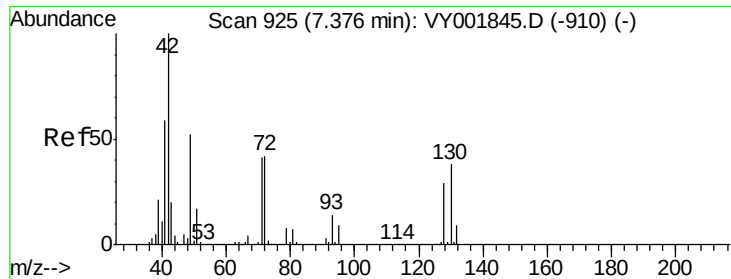


#28

Bromochloromethane
Concen: 22.950 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	66.1	54.4	81.6





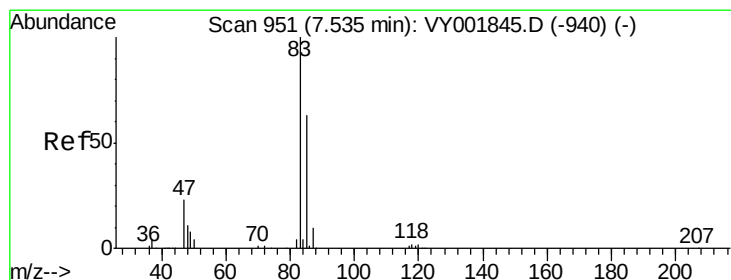
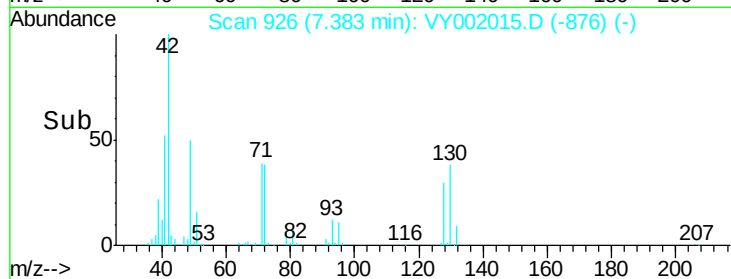
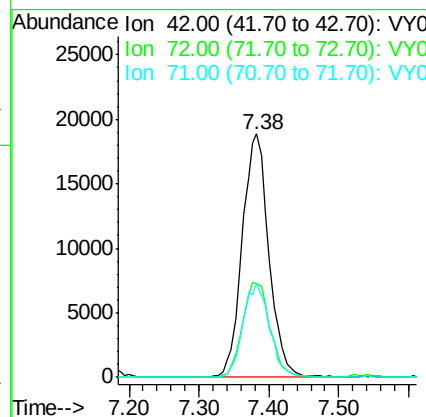
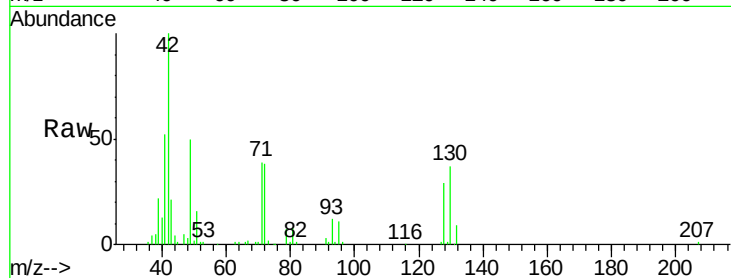
#29
Tetrahydrofuran
Concen: 104.177 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion:	42	Resp:	50001
Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.5	50.3
71	38.2	31.3	46.9

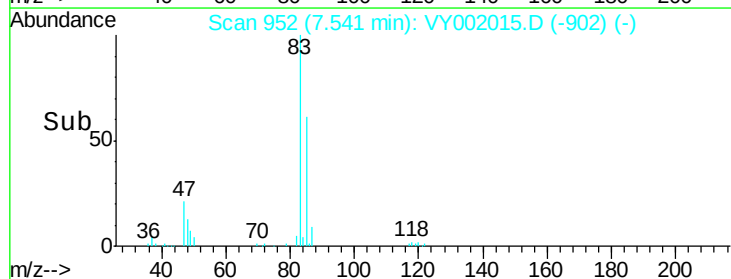
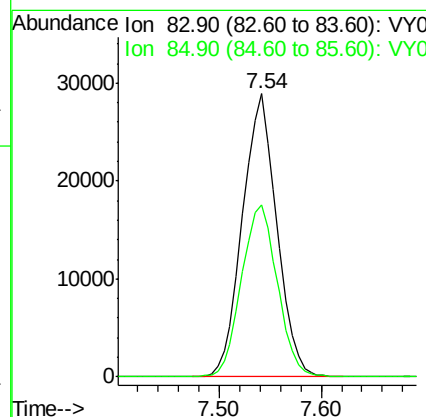
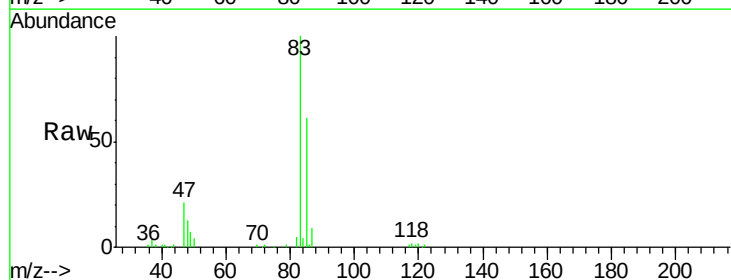
Manual Integrations
APPROVED

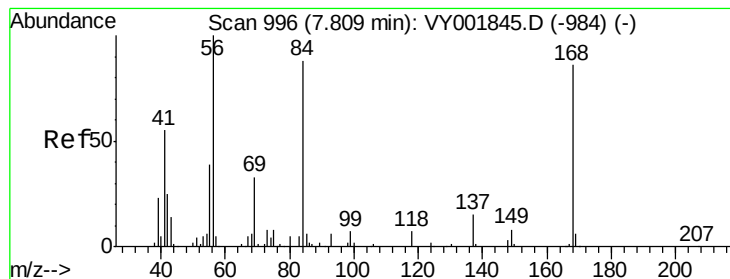
MMDadoda
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#30
Chloroform
Concen: 21.541 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion:	83	Resp:	67684
Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.7	76.1





#31

Cyclohexane

Concen: 20.380 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 56 Resp: 73078

Ion Ratio Lower Upper

56 100

69 37.2 26.7 40.1

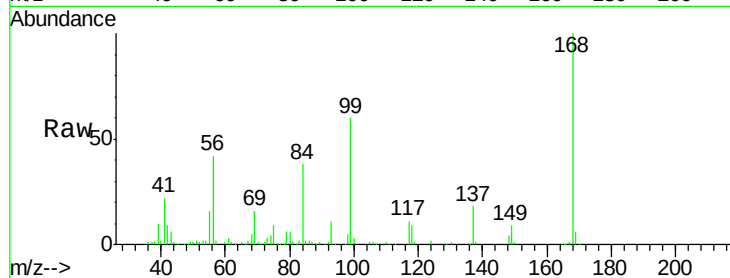
84 89.3 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

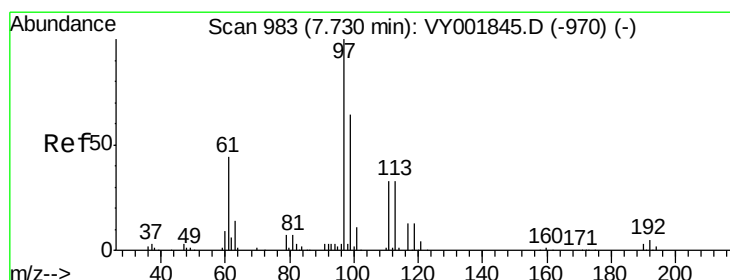
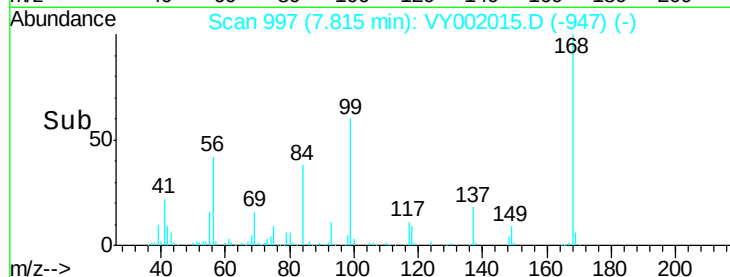
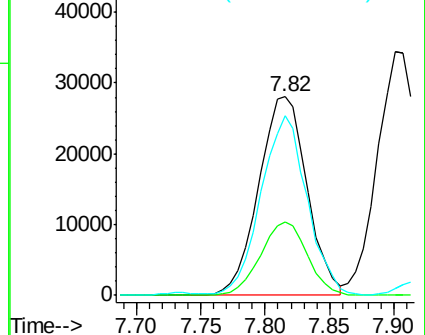
3/20/2020 12:06:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.459 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

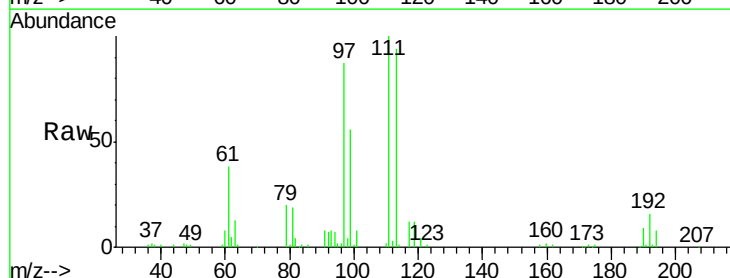
Tgt Ion: 97 Resp: 56828

Ion Ratio Lower Upper

97 100

99 63.6 52.0 78.0

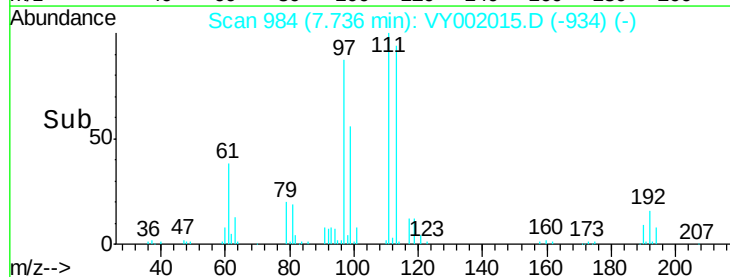
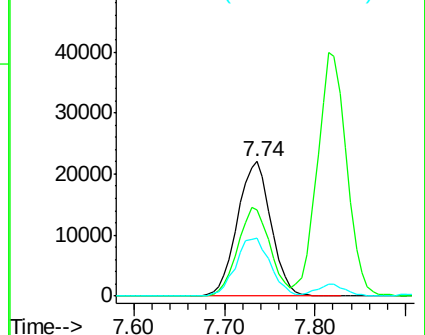
61 44.1 35.0 52.4

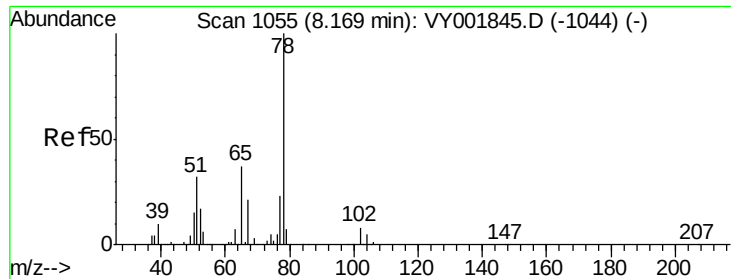


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





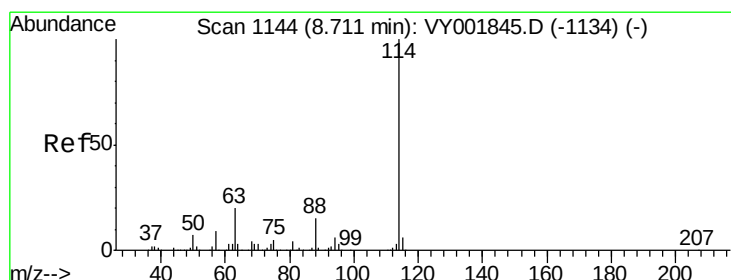
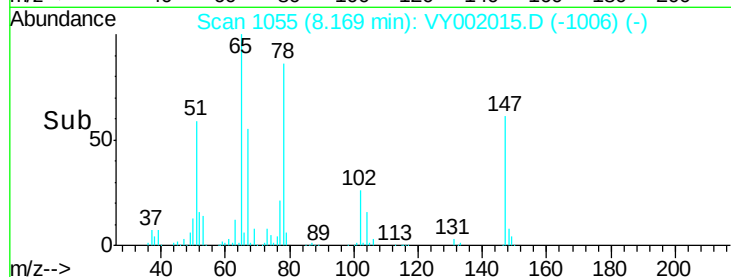
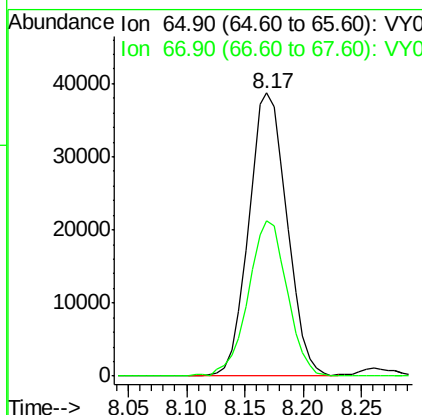
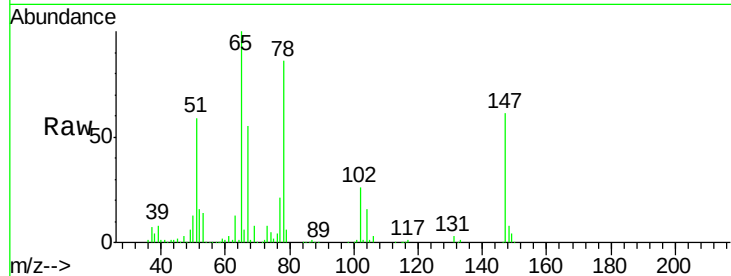
#33
 1,2-Dichloroethane-d4
 Concen: 53.946 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.0	0.0	110.8	

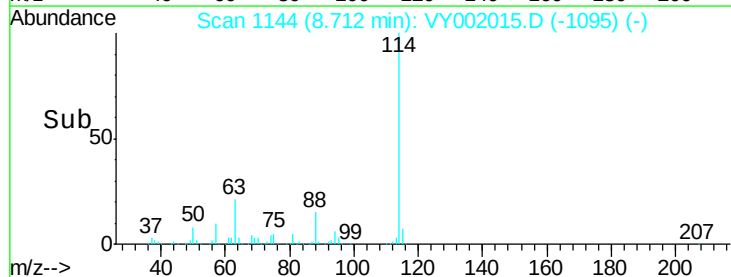
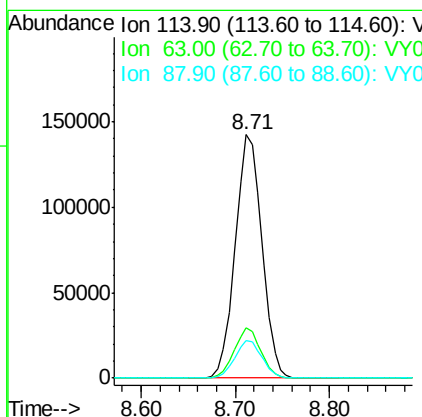
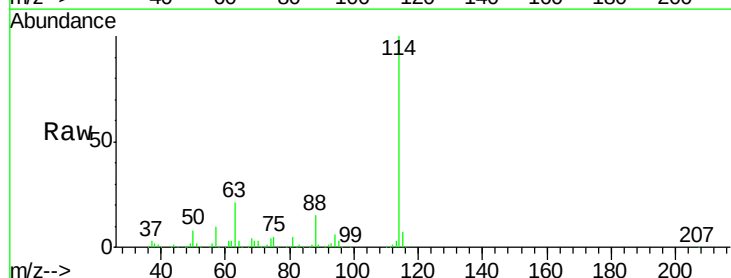
Manual Integrations
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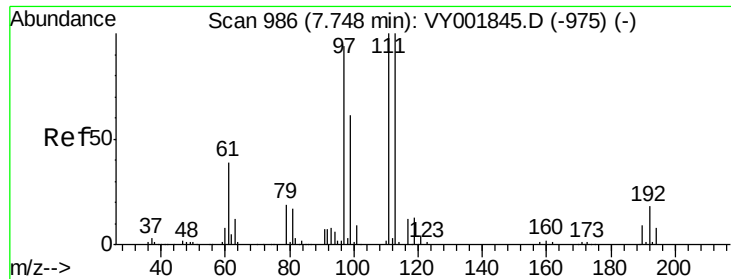
MMDadoda
 3/20/2020 12:06:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	39.4	
88	15.4	0.0	30.4	





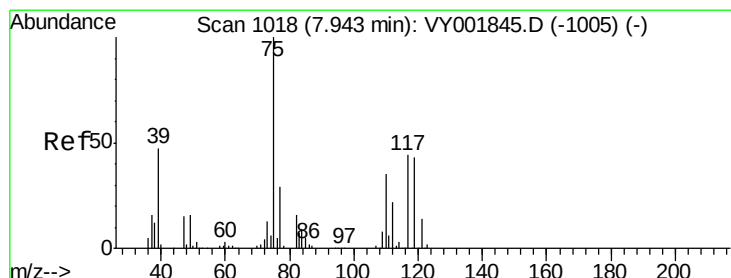
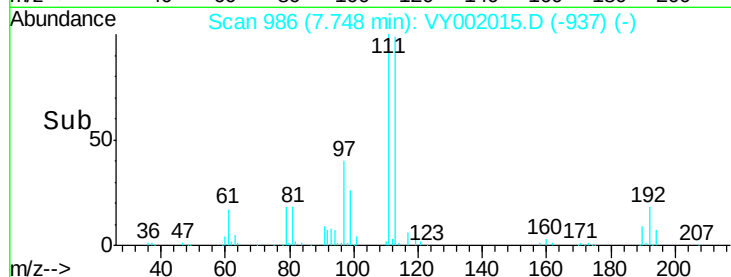
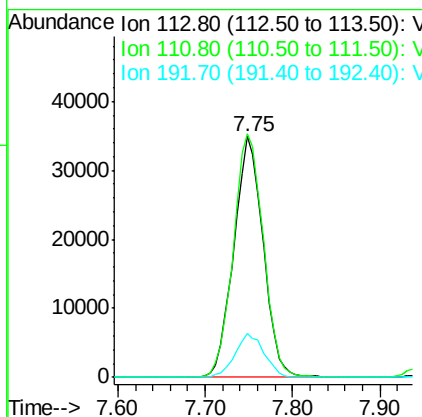
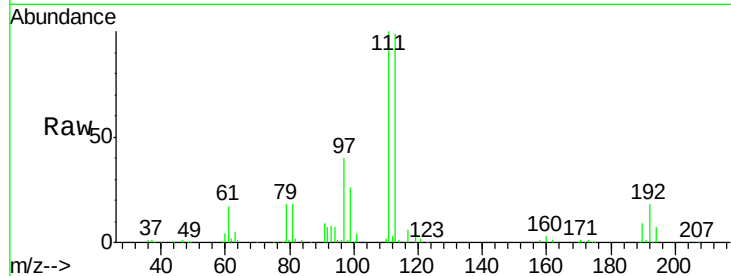
#35
 Dibromofluoromethane
 Concen: 53.318 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	18.0	14.2	21.2

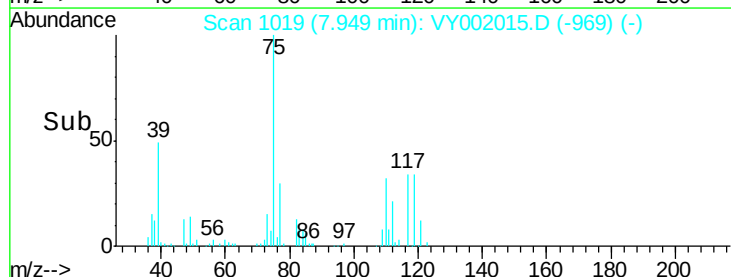
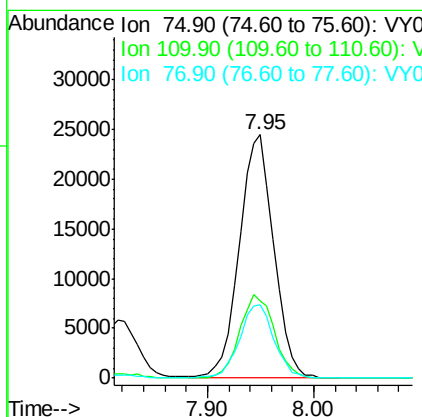
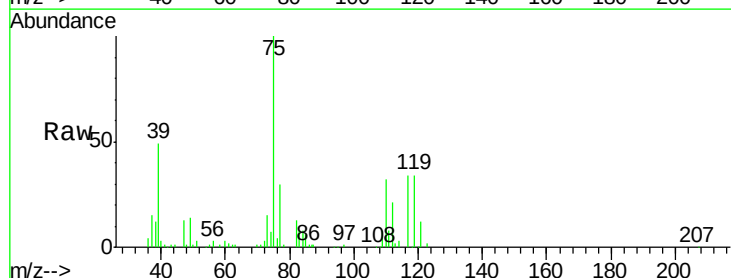
Manual Integrations
 APPROVED

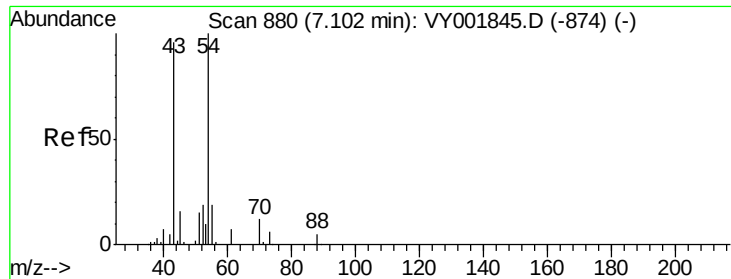
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#36
 1,1-Dichloropropene
 Concen: 20.661 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	30.4	24.2	36.2





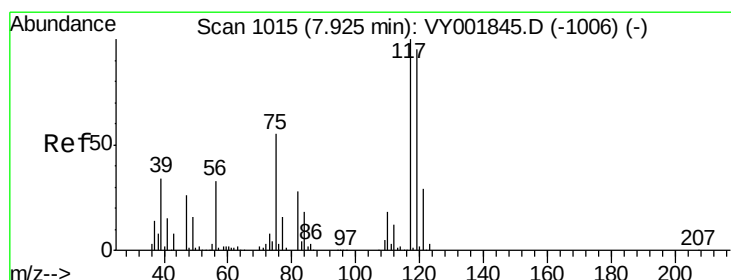
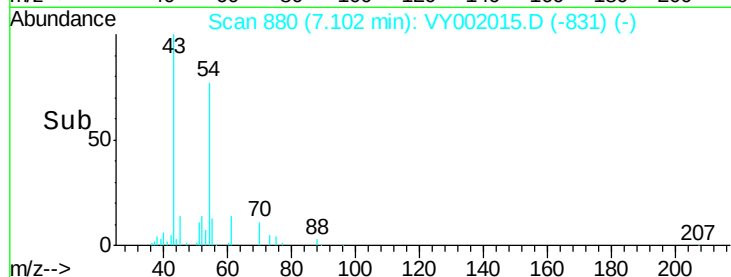
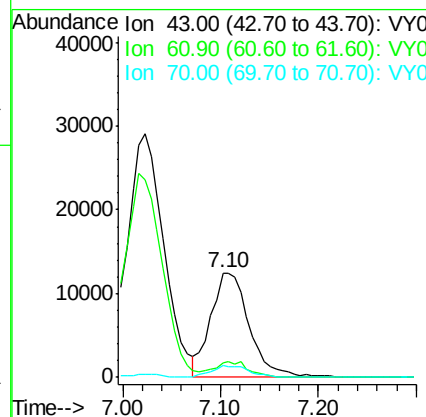
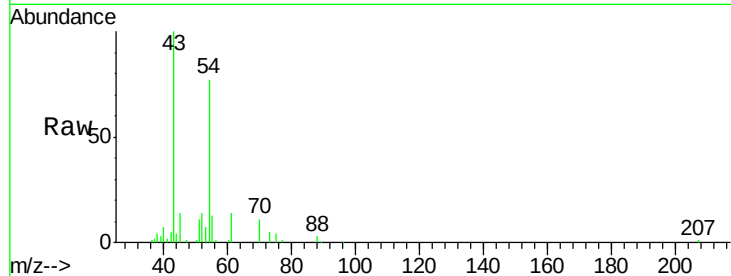
#37
Ethyl Acetate
Concen: 21.867 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.8	8.2	12.4

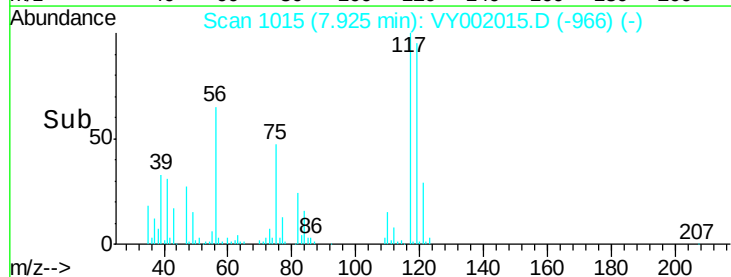
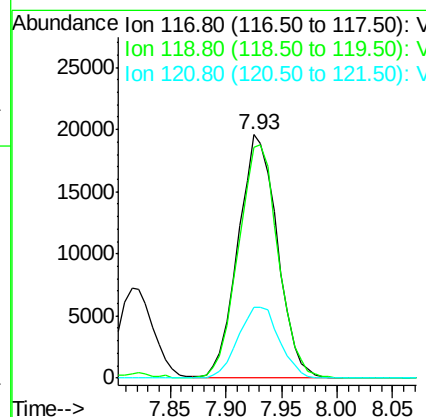
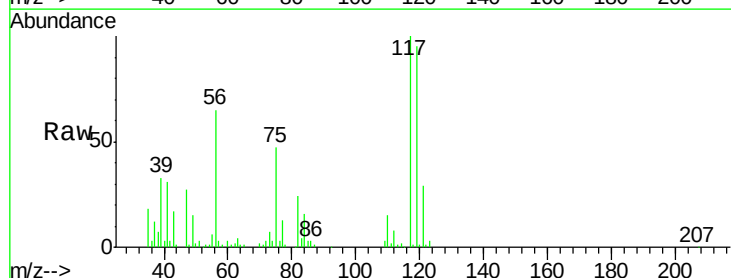
Manual Integrations
APPROVED

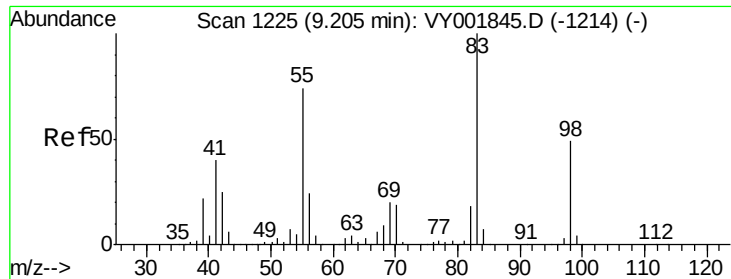
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#38
Carbon Tetrachloride
Concen: 20.887 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
121	28.9	23.5	35.3





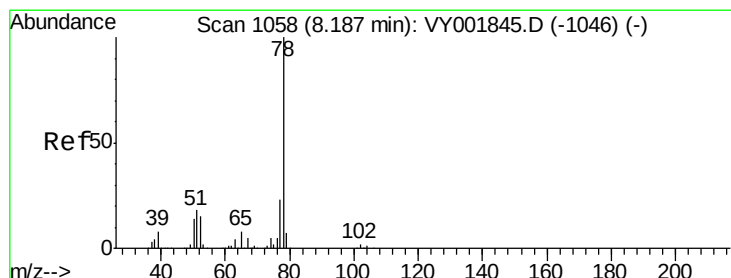
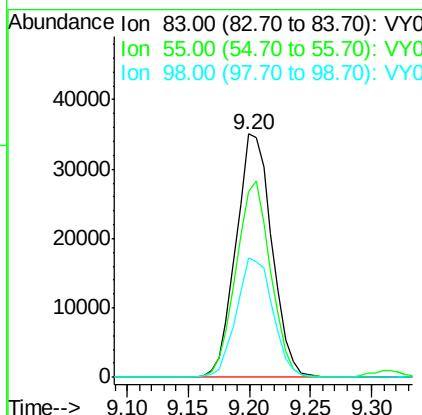
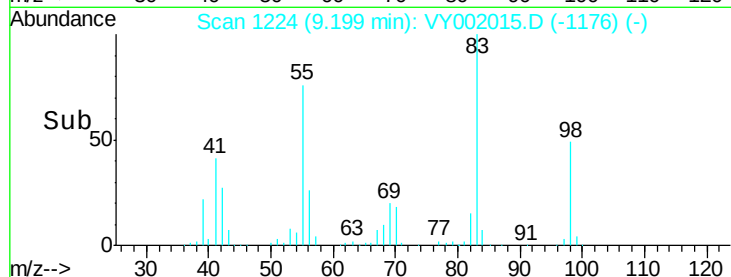
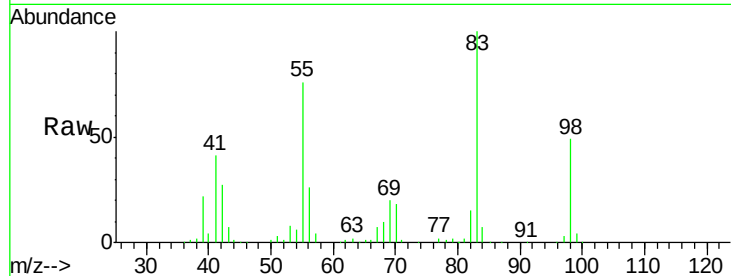
#39
Methylvlcyclohexane
Concen: 20.034 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	83	Resp	71439
Ion Ratio	100	Lower	Upper
83	100		
55	76.4	59.4	89.0
98	48.9	38.9	58.3

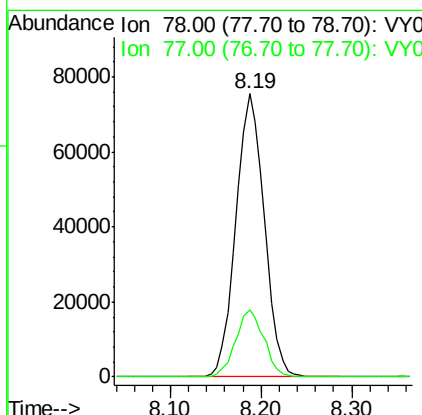
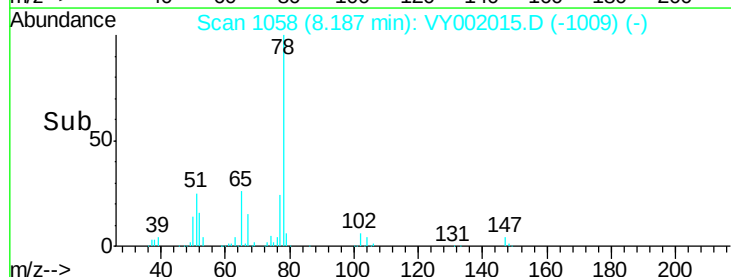
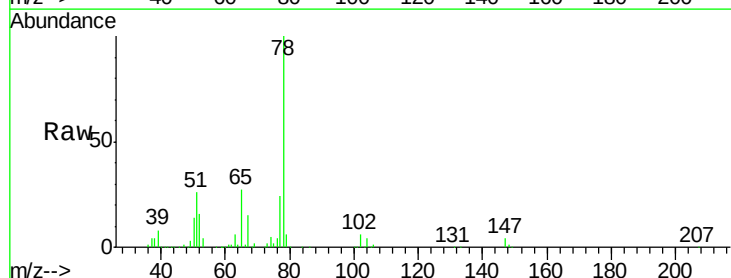
Manual Integrations
APPROVED

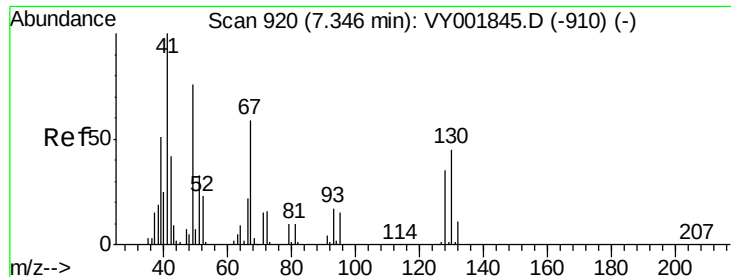
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#40
Benzene
Concen: 20.658 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	78	Resp	164625
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.7	28.1





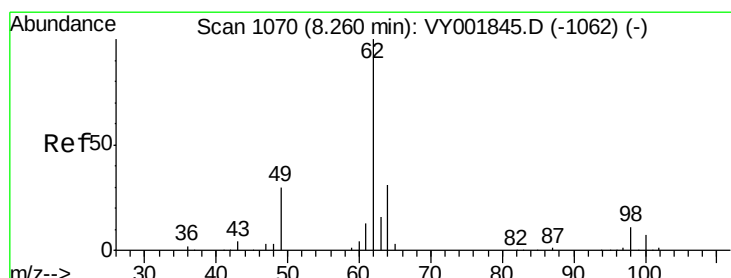
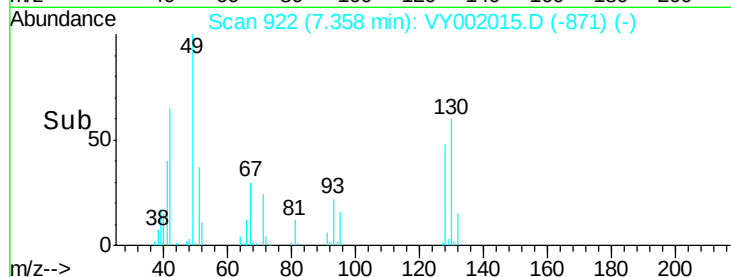
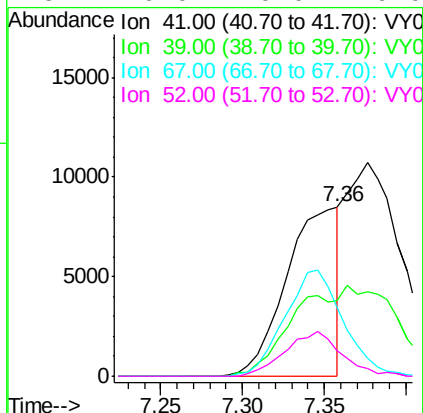
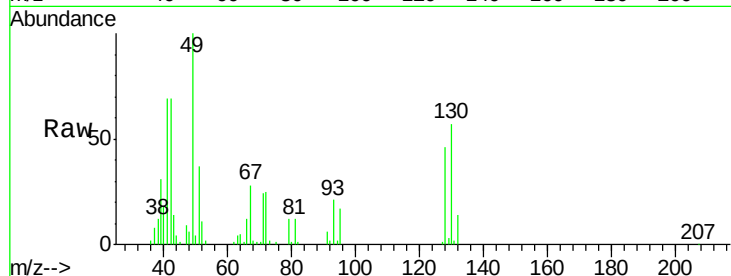
#41
Methacrylonitrile
Concen: 27.389 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	41	Resp	19261
Ion Ratio	Lower	Upper	
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

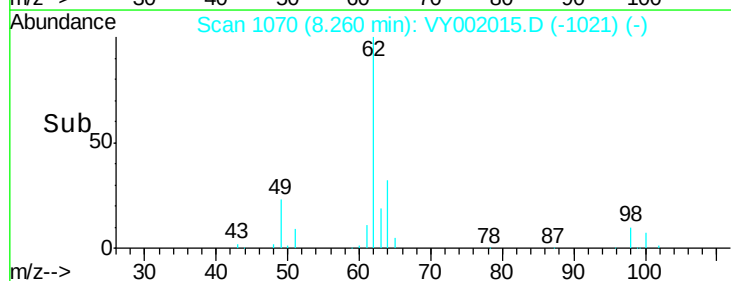
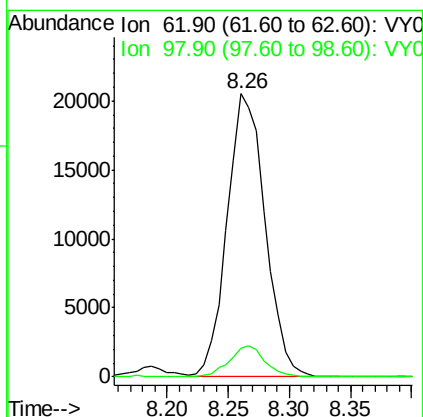
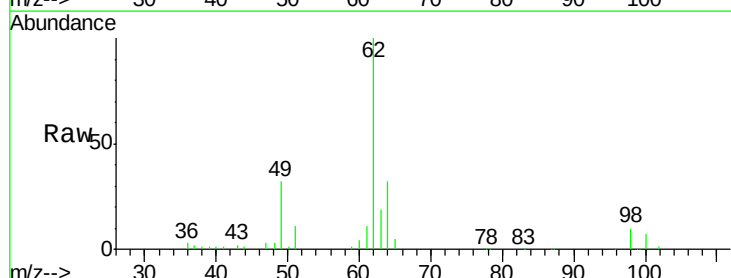
Manual Integrations
APPROVED

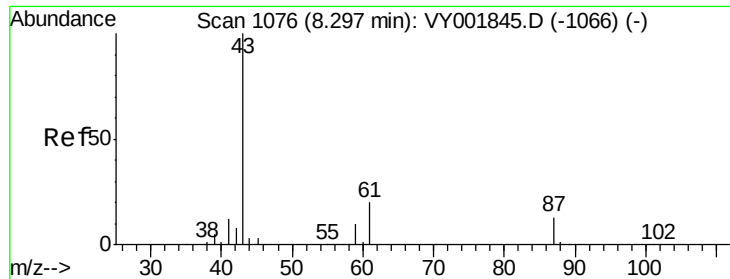
MMDadoda
3/20/2020 12:06:15 PM



#42
1,2-Dichloroethane
Concen: 21.530 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	62	Resp	44212
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 20.449 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

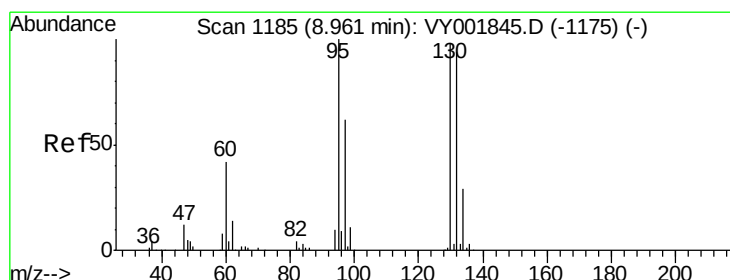
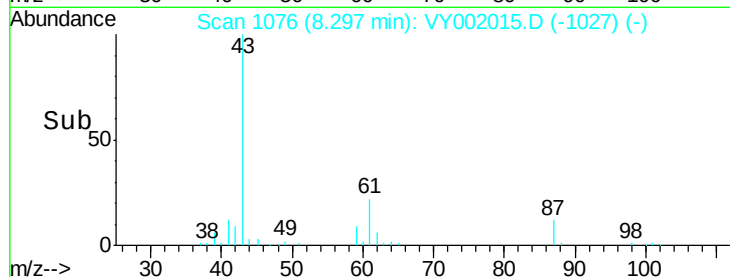
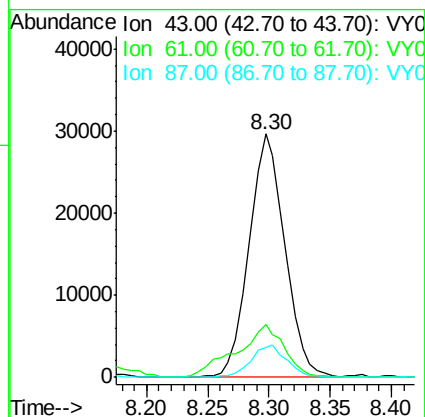
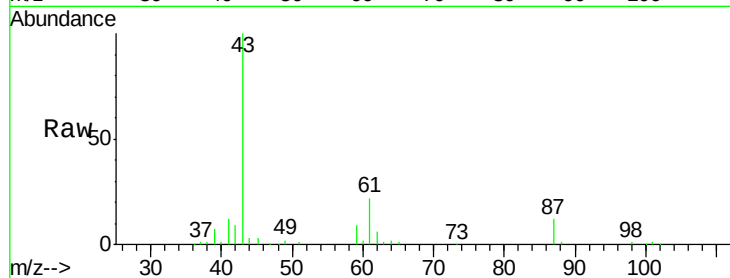
ClientSampleId :

VY0319SBS01

Tot Ion:	43	Resp:	60497
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	13.2	10.9	16.3

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#44

Trichloroethene

Concen: 20.969 ug/l

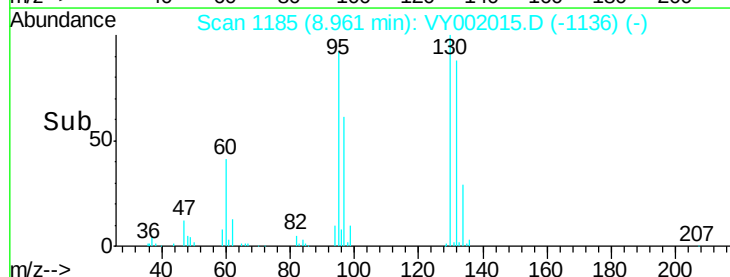
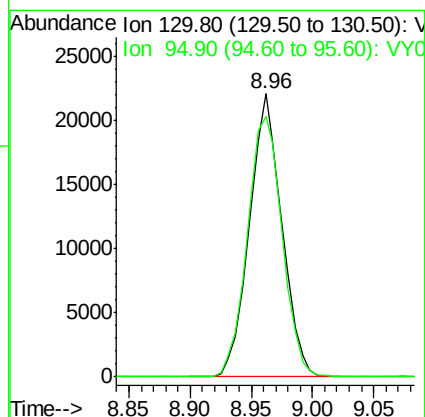
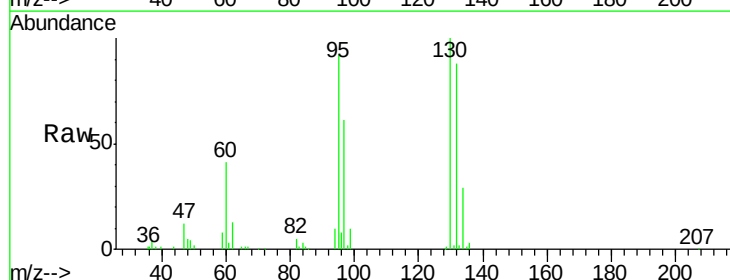
RT: 8.96 min Scan# 1185

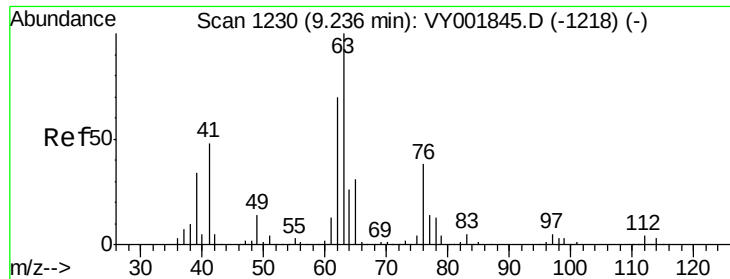
Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion:	130	Resp:	40697
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	204.6





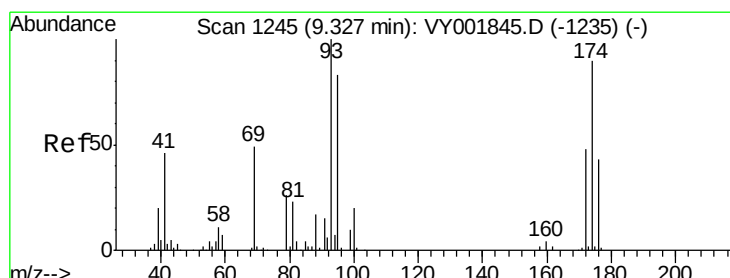
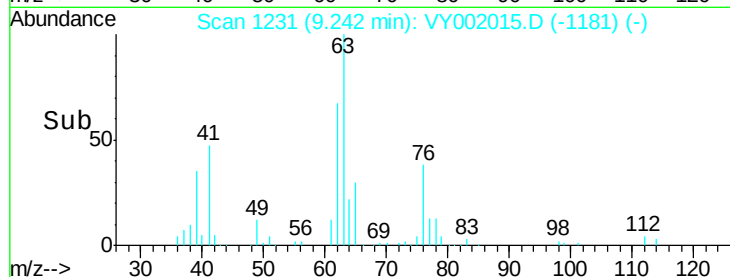
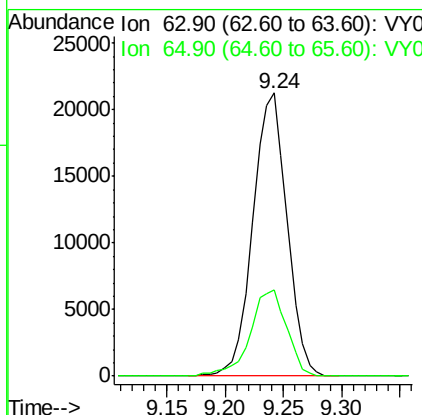
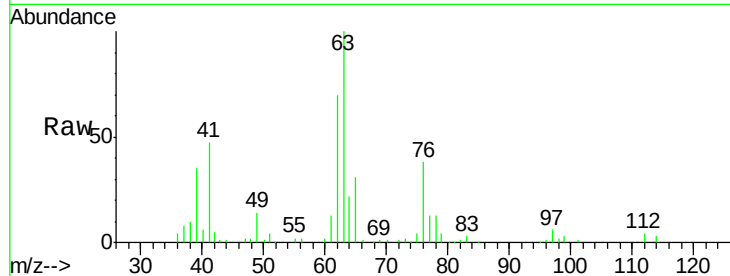
#45
 1,2-Dichloropropane
 Concen: 21.571 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.9	37.3

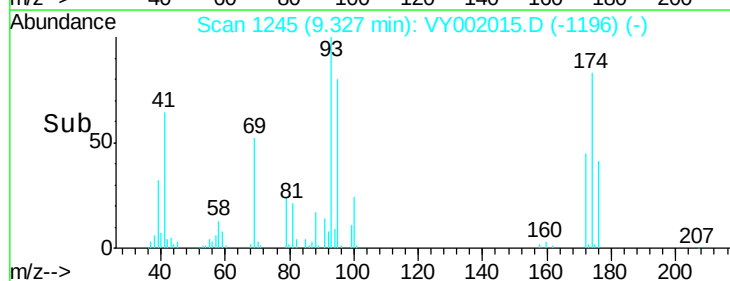
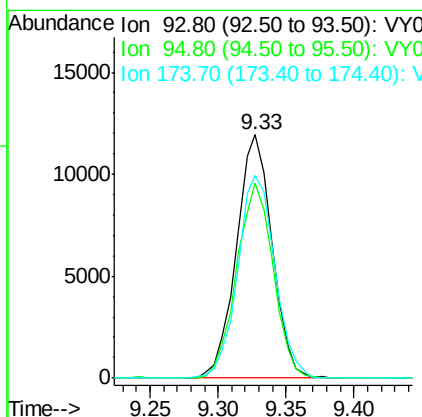
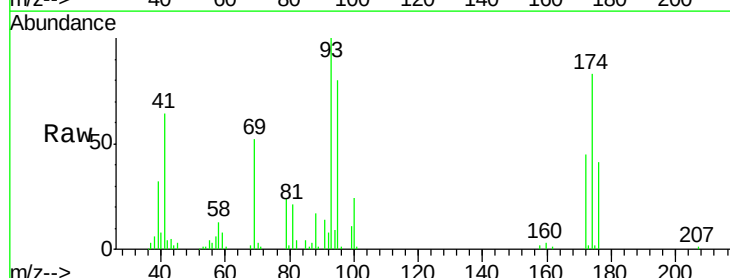
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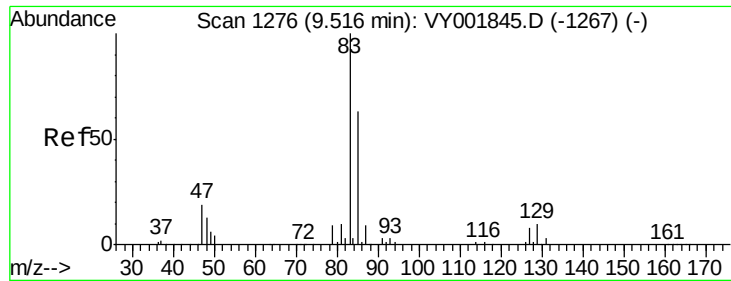
MMDadoda
 3/20/2020 12:06:15 PM



#46
 Dibromomethane
 Concen: 21.156 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.0	100.4
174	87.0	71.8	107.8





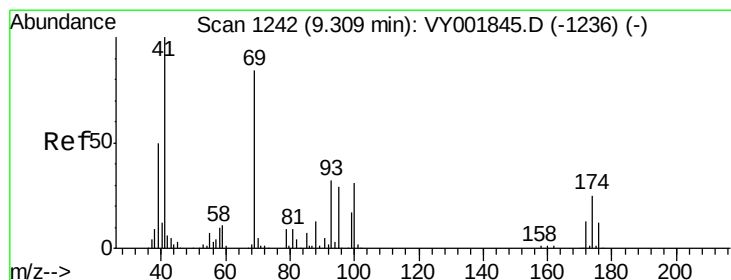
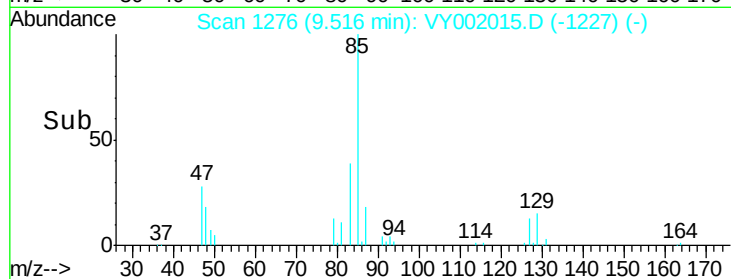
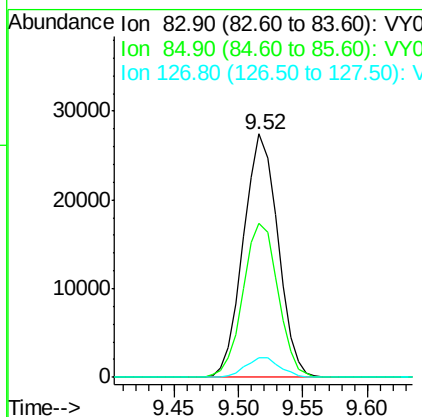
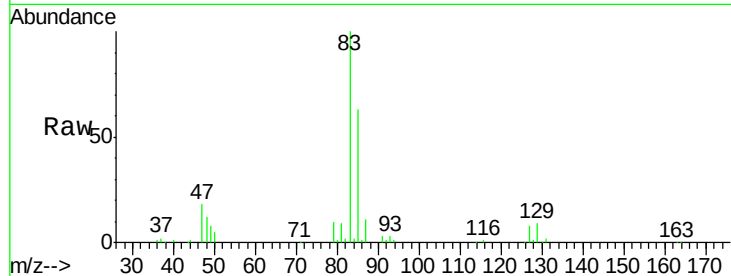
#47
Bromodichloromethane
Concen: 21.181 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	83	Resp	50863
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.6	76.0
127	8.2	6.2	9.4

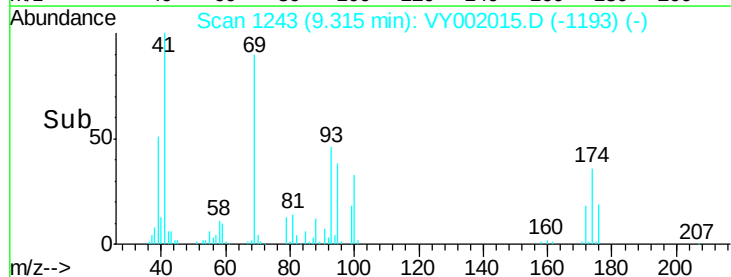
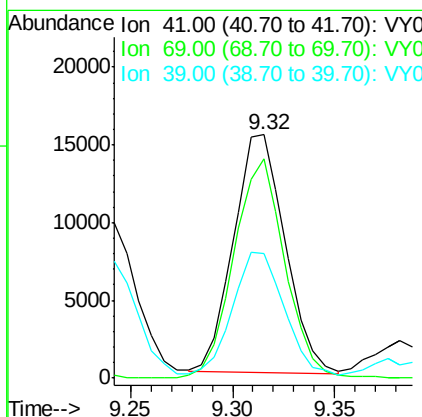
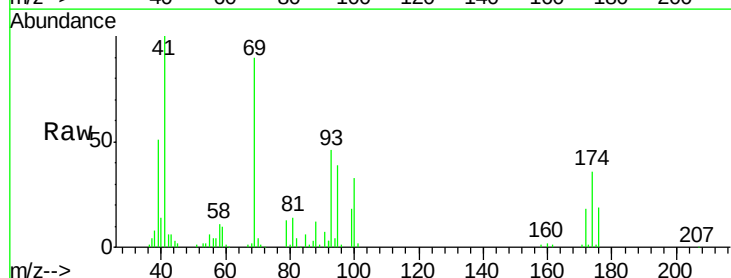
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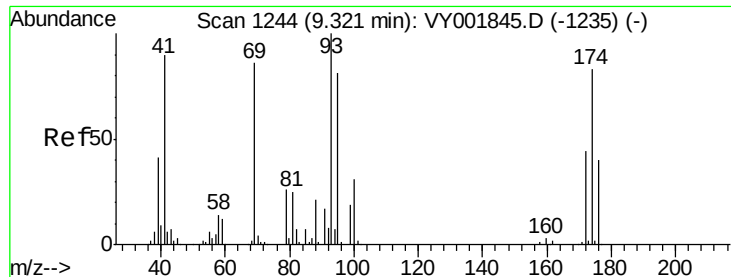
MMDadoda
3/20/2020 12:06:15 PM



#48
Methyl methacrylate
Concen: 20.525 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	41	Resp	26944
Ion Ratio	100	Lower	Upper
41	100		
69	91.1	69.0	103.6
39	54.2	39.1	58.7





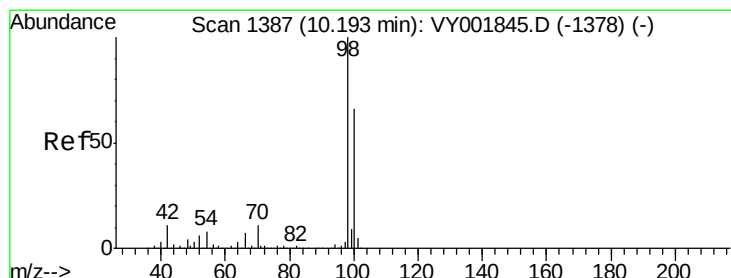
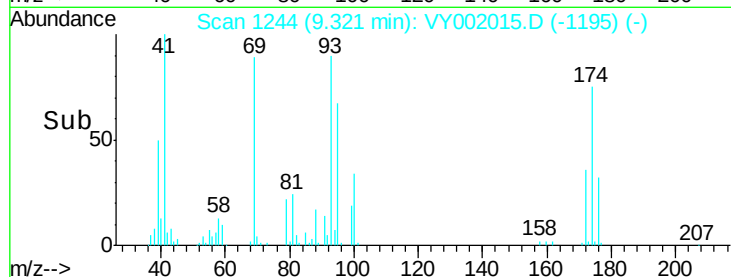
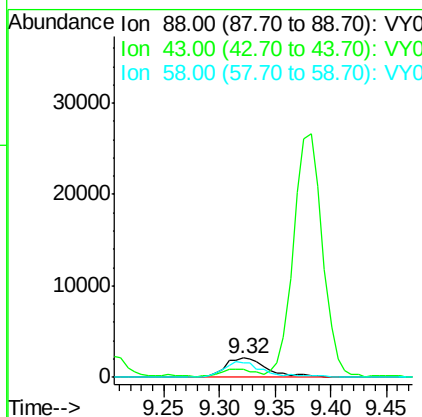
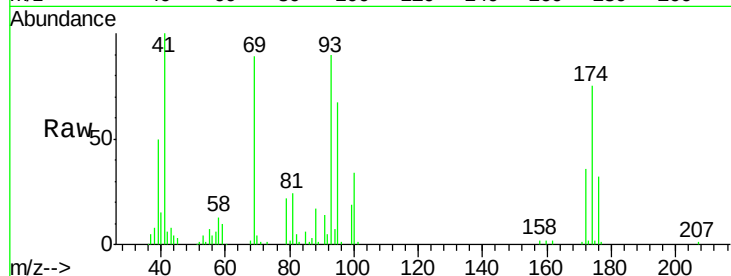
#49
1,4-Dioxane
Concen: 405.644 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.0	37.6
58	77.1	58.9	88.3

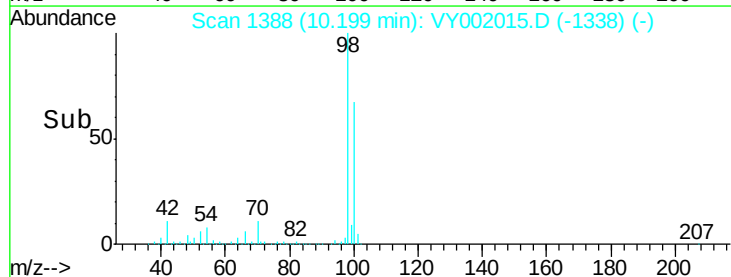
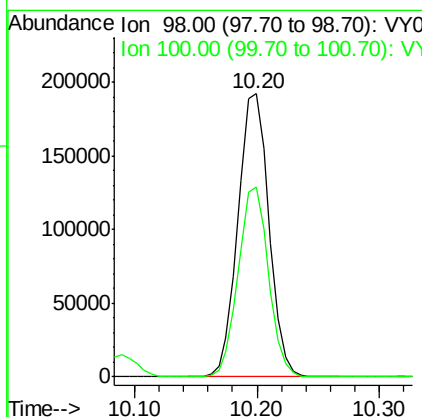
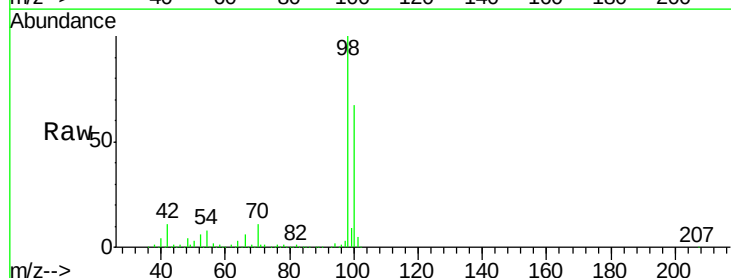
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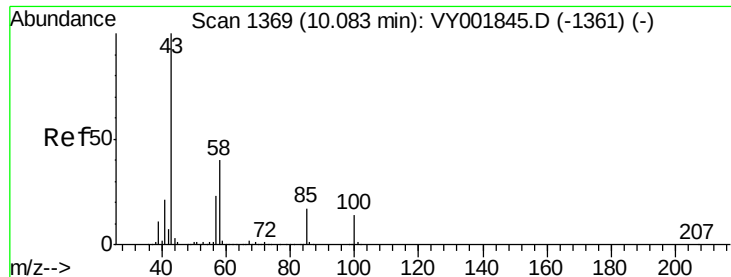
MMDadoda
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#50
Toluene-d8
Concen: 52.478 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





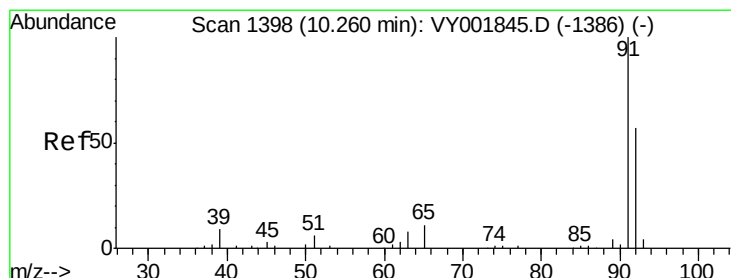
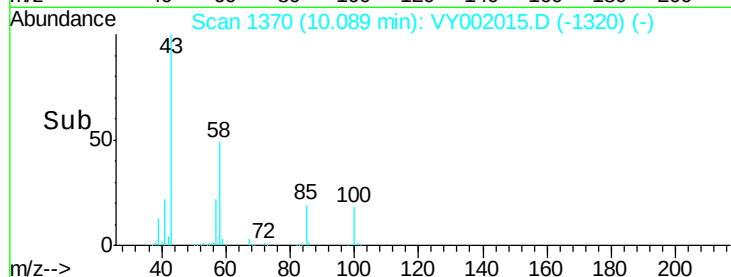
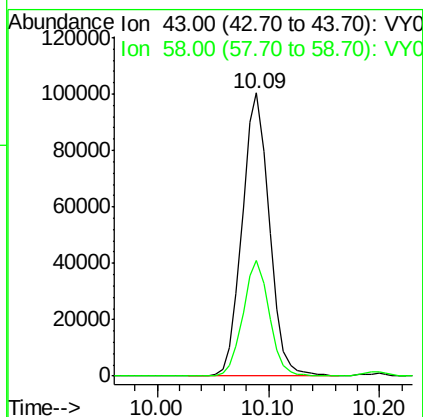
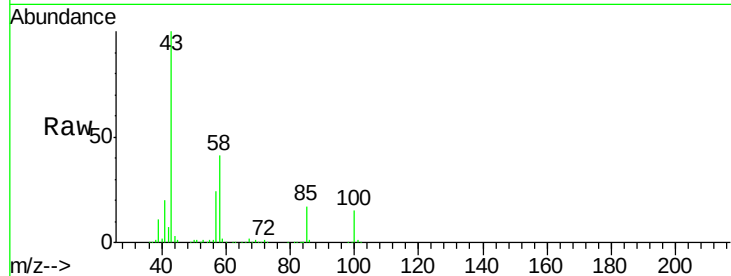
#51
4-Methyl-2-Pentanone
Concen: 111.543 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	43	58	Ratio	Lower	Upper
169971	100	39.6		32.0	48.0

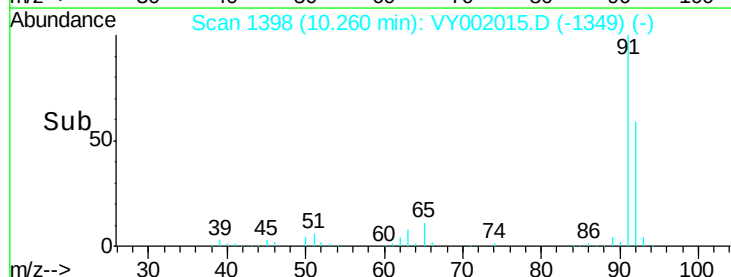
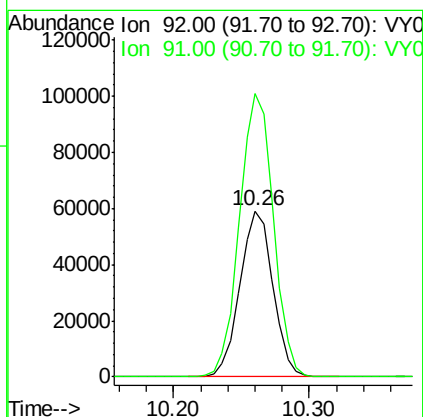
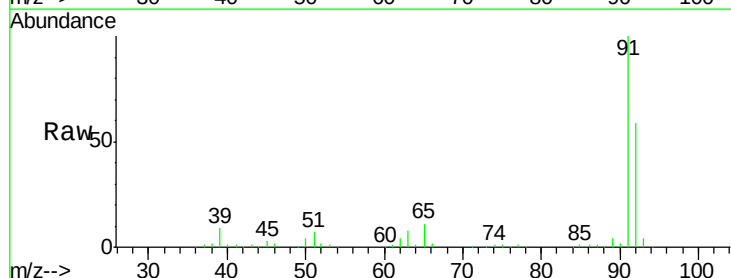
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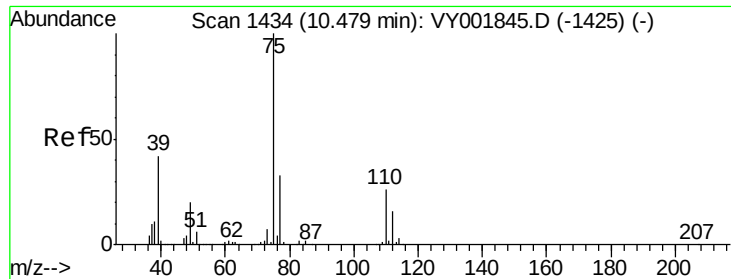
MMDadoda
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#52
Toluene
Concen: 20.688 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	92	91	Ratio	Lower	Upper
100149	100	175.4		138.6	208.0





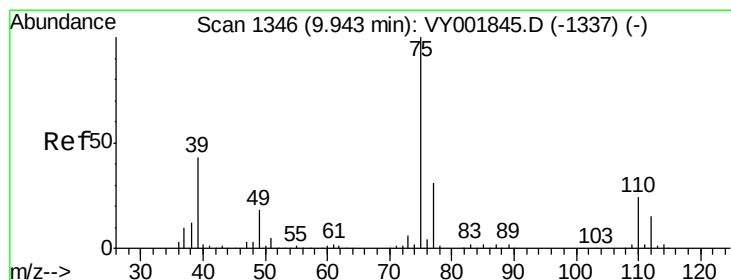
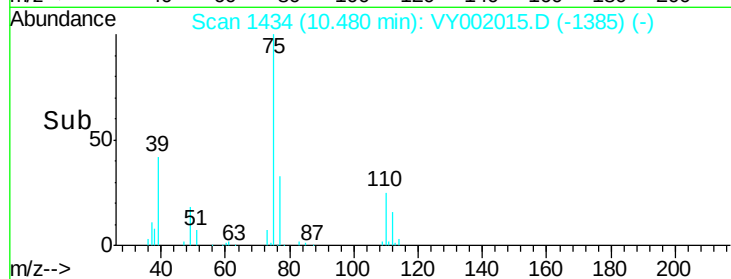
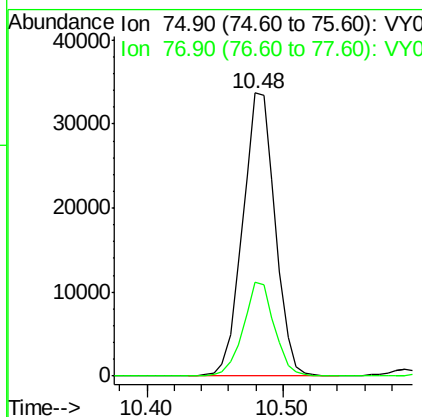
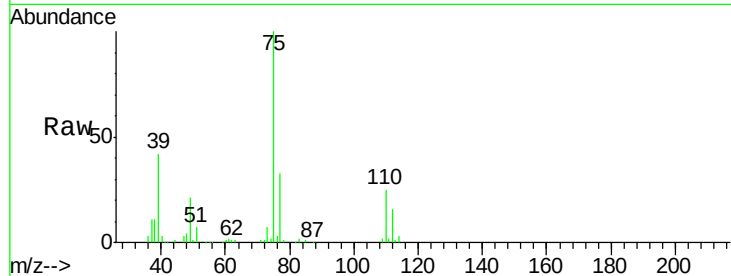
#53
 t-1,3-Dichloropropene
 Concen: 21.455 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleID :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.3	39.5

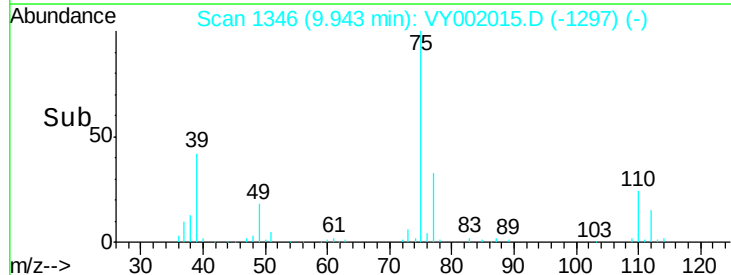
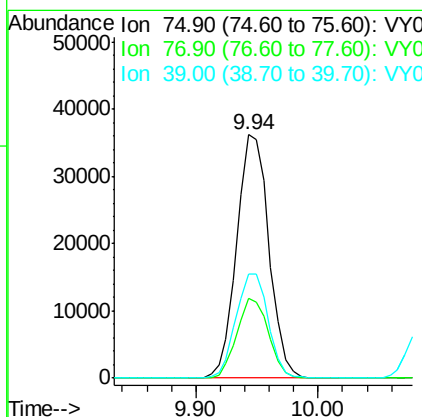
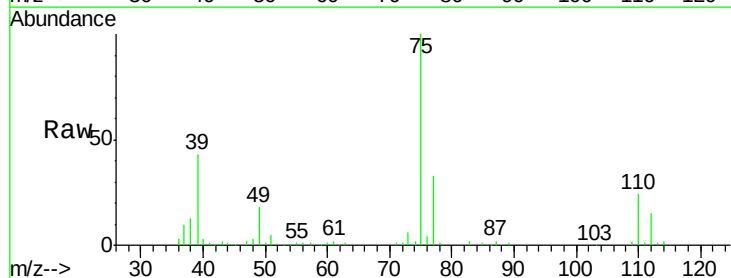
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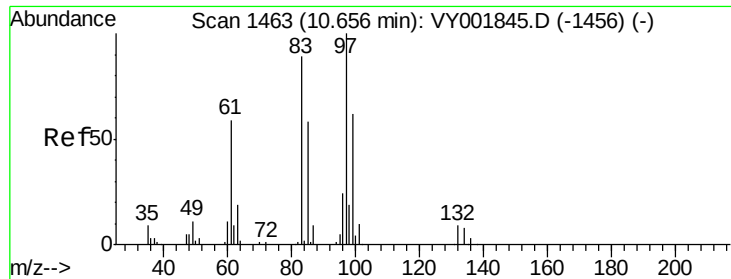
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#54
 cis-1,3-Dichloropropene
 Concen: 21.177 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	43.0	34.7	52.1





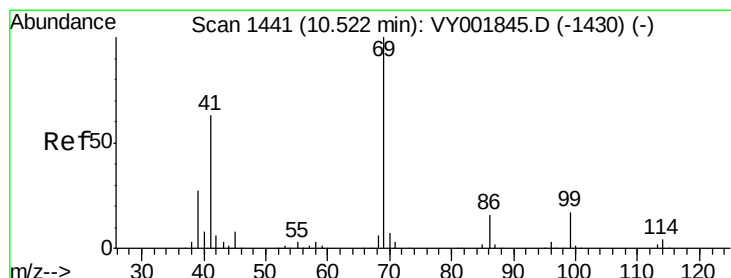
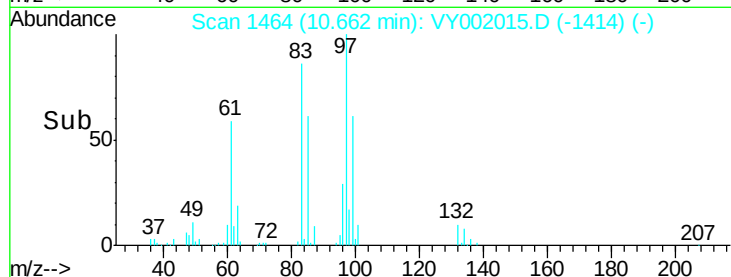
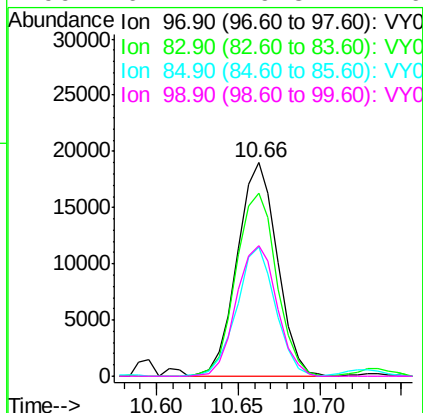
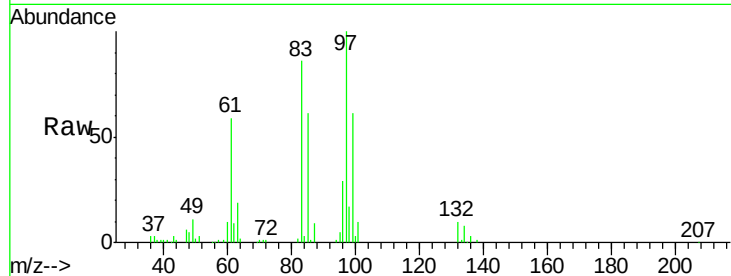
#55
 1,1,2-Trichloroethane
 Concen: 21.479 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion:	97	Resp:	32450
Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.6	107.4
85	60.2	46.6	69.8
99	61.2	49.8	74.6

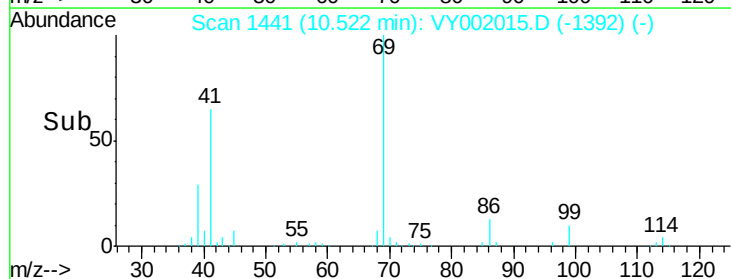
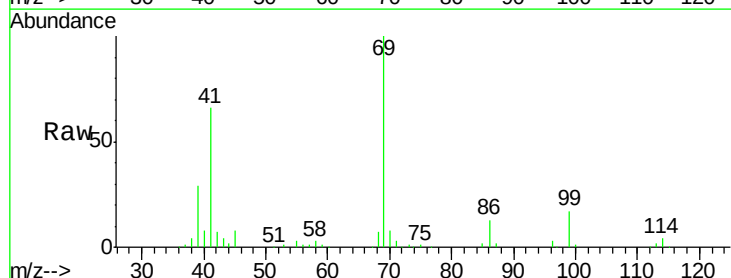
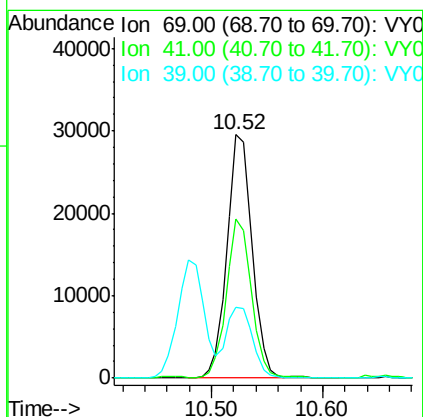
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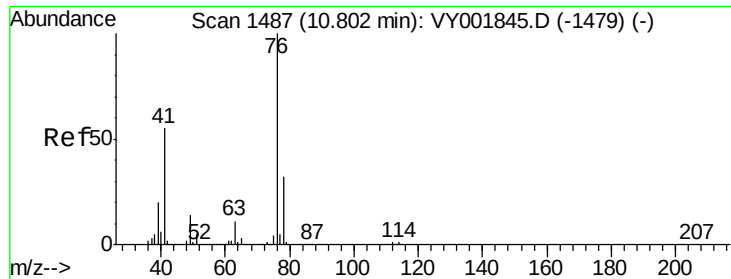
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#56
 Ethyl methacrylate
 Concen: 20.896 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion:	69	Resp:	46274
Ion	Ratio	Lower	Upper
69	100		
41	65.2	49.9	74.9
39	30.8	23.0	34.6





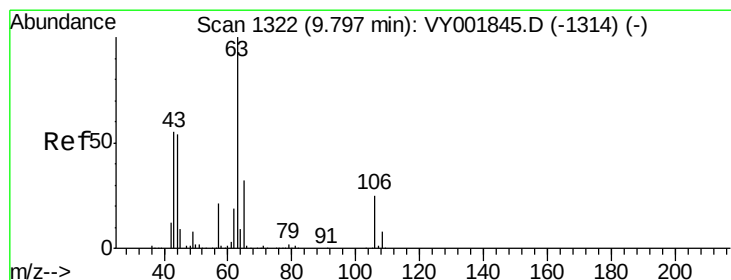
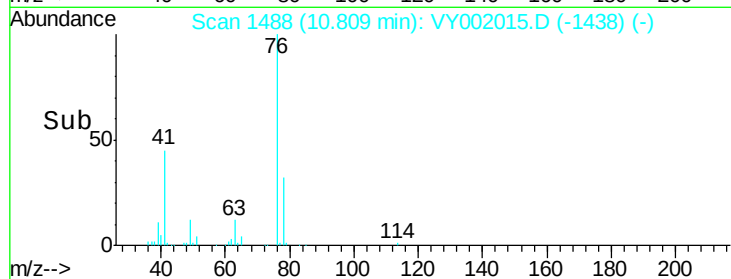
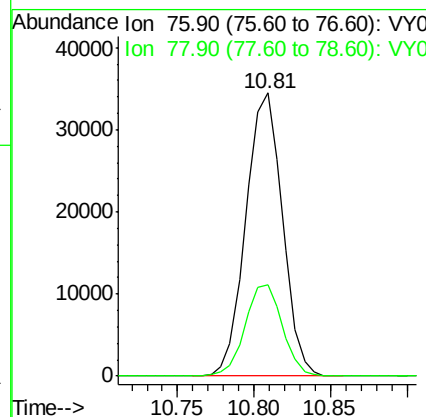
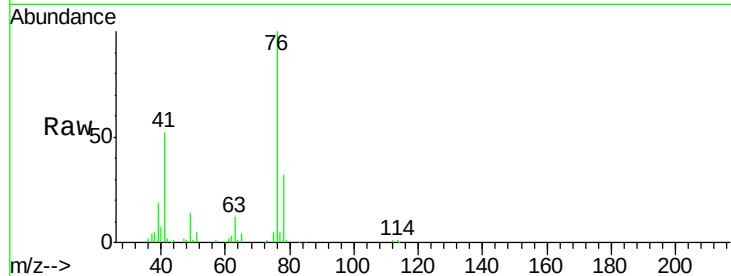
#57
 1,3-Dichloropropane
 Concen: 21.282 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

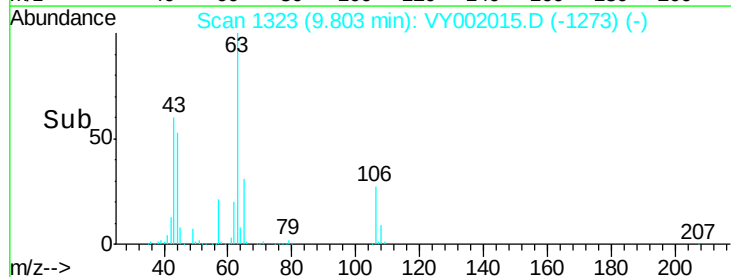
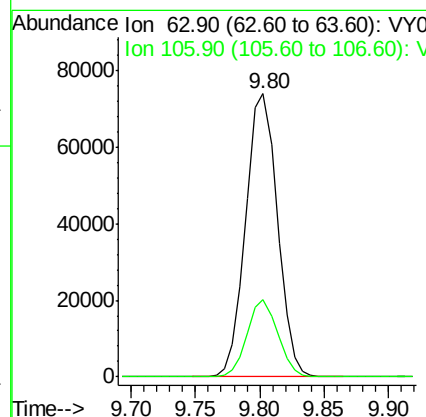
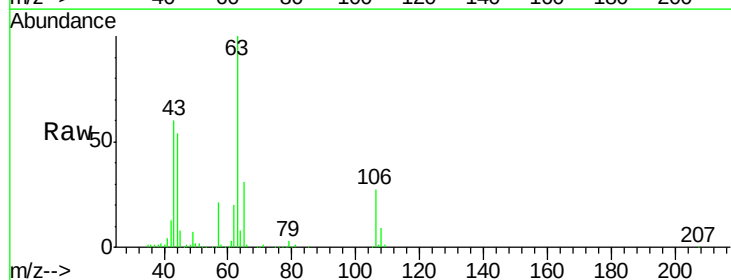
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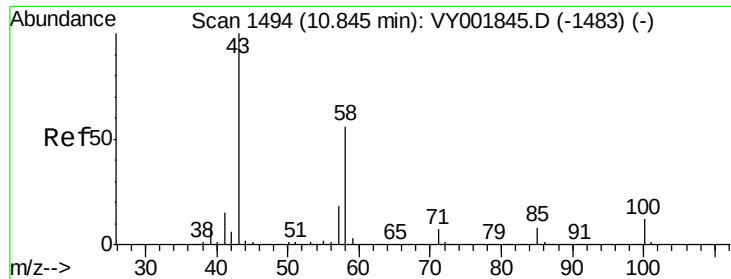
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 3/20/2020 12:06:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 149.854 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.3	31.9





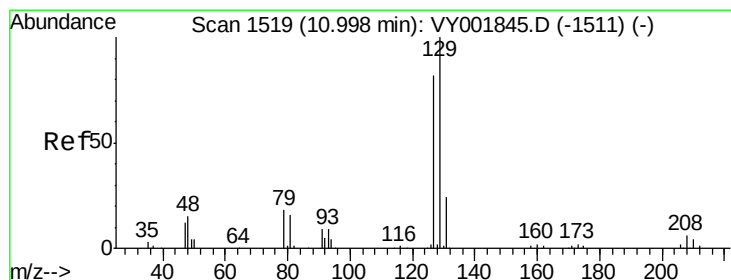
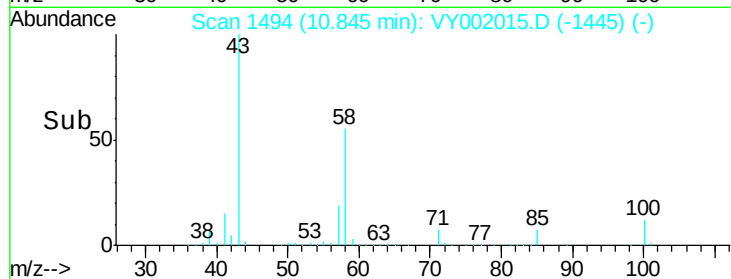
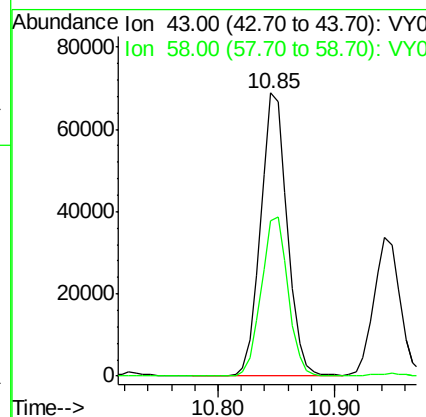
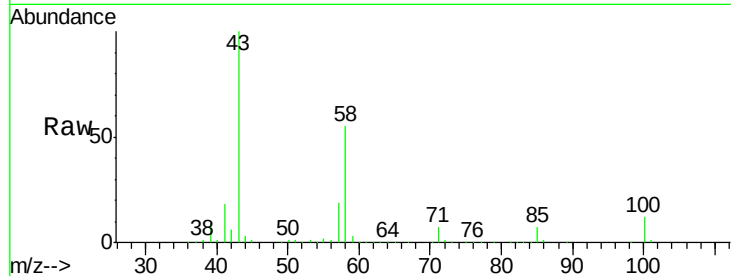
#59
2-Hexanone
Concen: 100.828 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.1	84.3

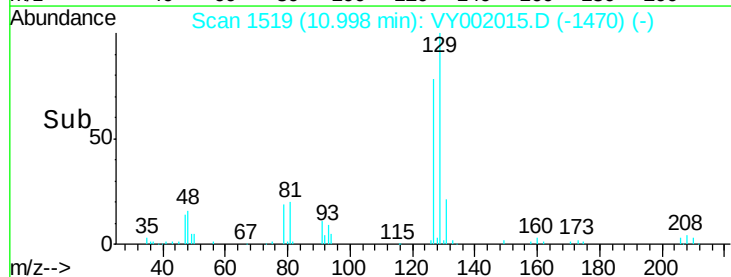
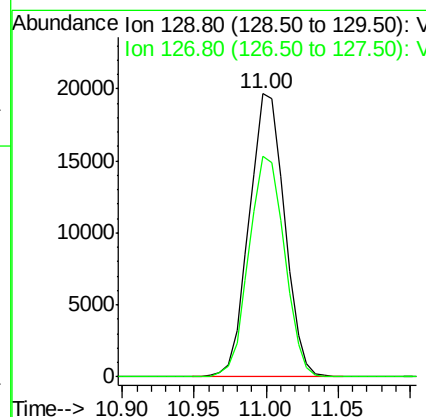
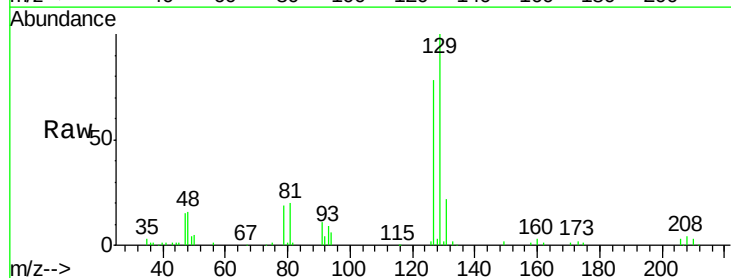
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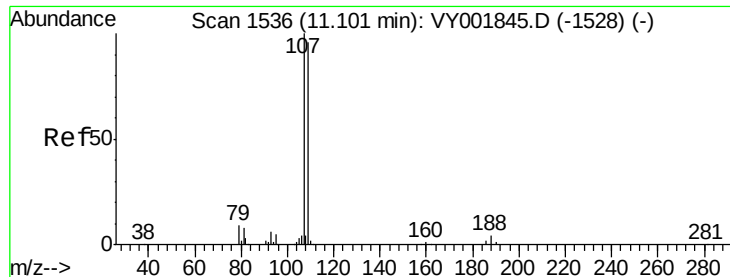
MMDadoda
3/20/2020 12:06:15 PM



#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.0	117.0





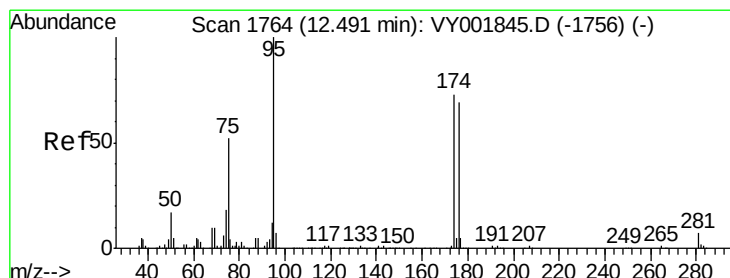
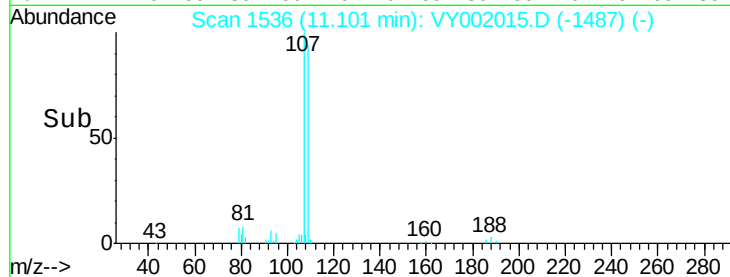
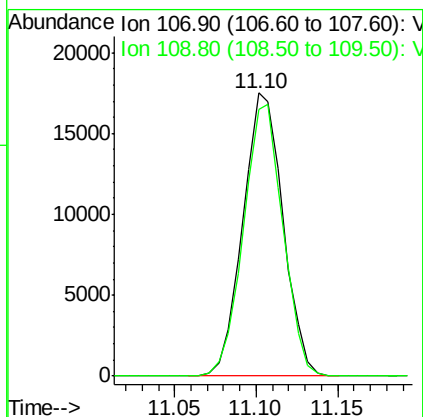
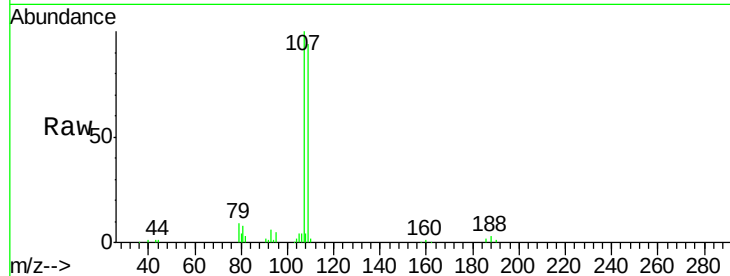
#61
 1,2-Dibromoethane
 Concen: 20.953 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

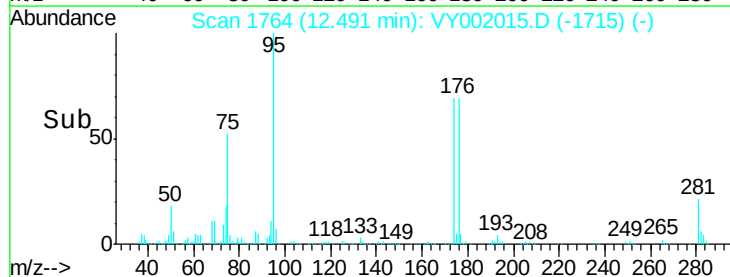
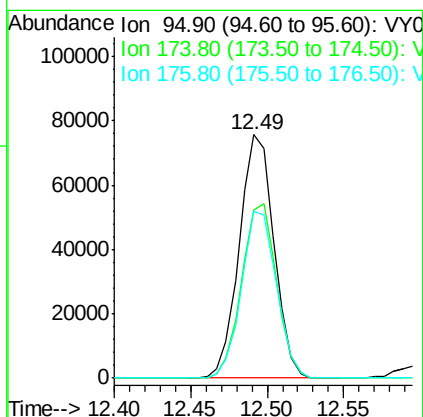
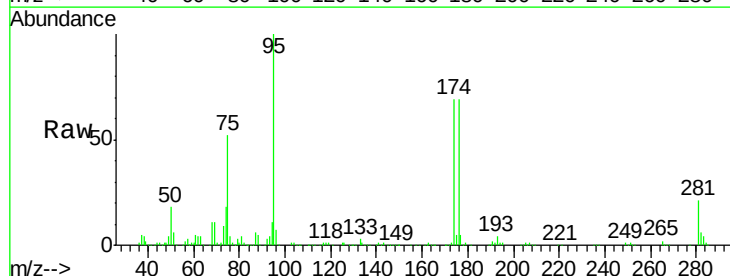
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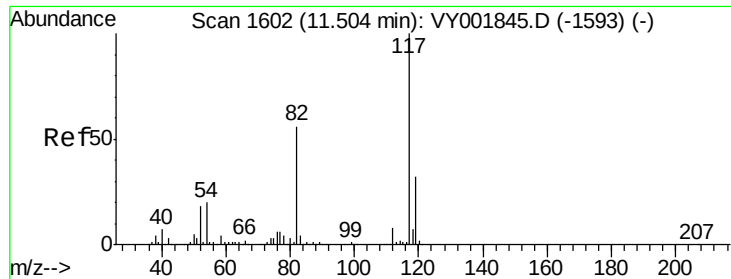
MMDadoda
 3/20/2020 12:06:15 PM



#62
 4-Bromofluorobenzene
 Concen: 53.137 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	145.0
176	69.6	0.0	137.4





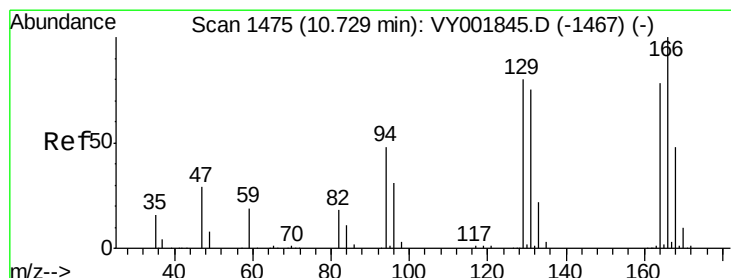
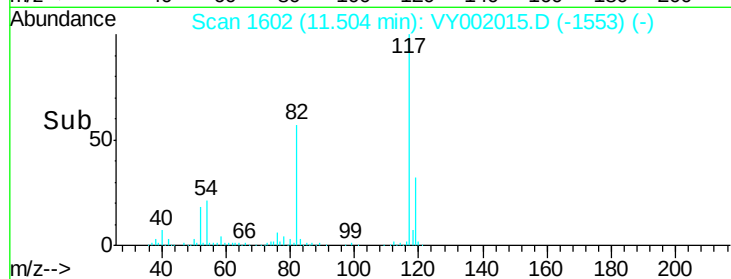
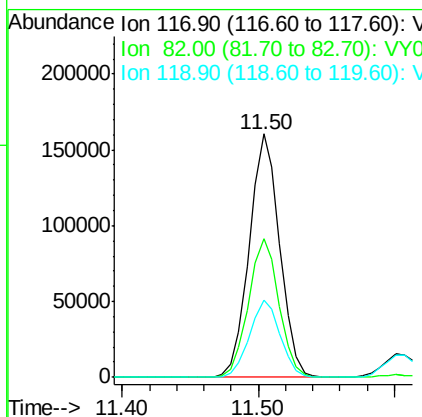
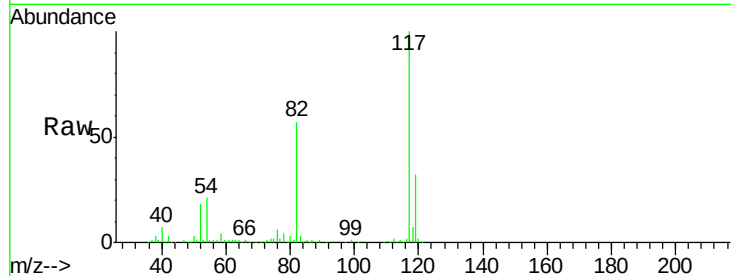
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251341		
82	56.8	44.5	66.7	
119	31.6	25.7	38.5	

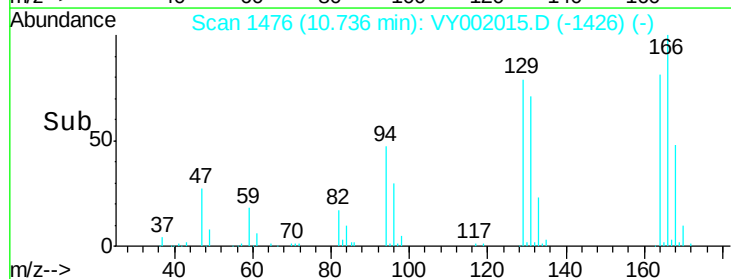
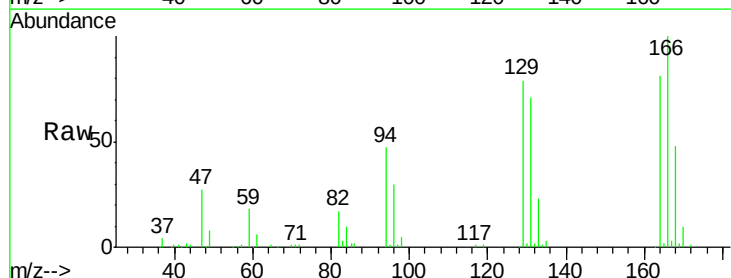
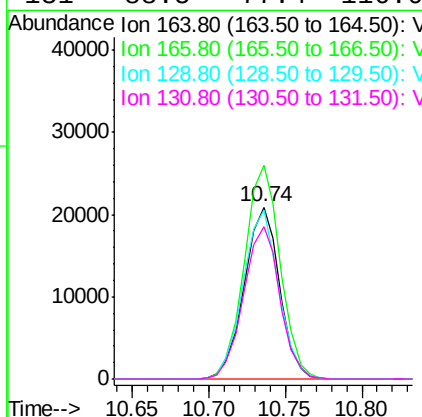
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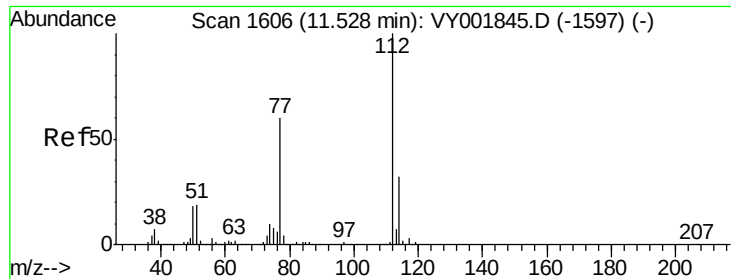
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#64
Tetrachloroethene
Concen: 21.229 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33462		
166	124.0	102.6	154.0	
129	98.2	82.3	123.5	
131	88.5	77.4	116.0	





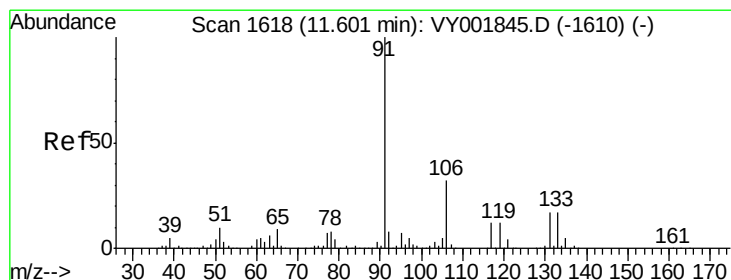
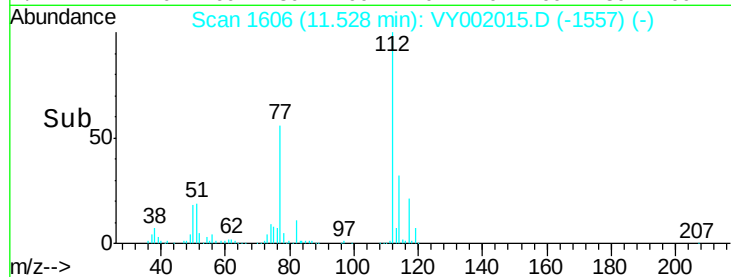
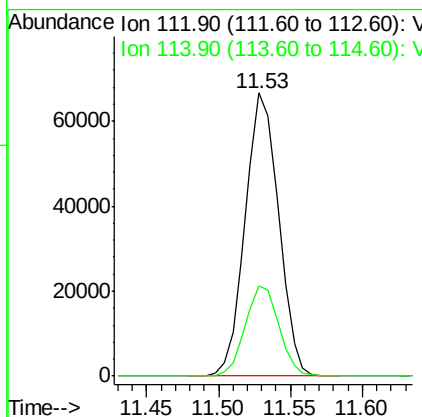
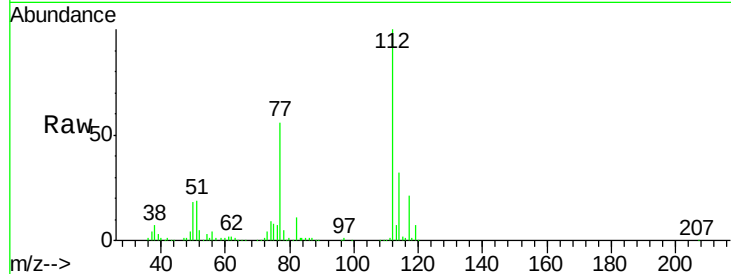
#65
Chlorobenzene
Concen: 21.394 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	107141		
114	31.6	25.9	38.9	

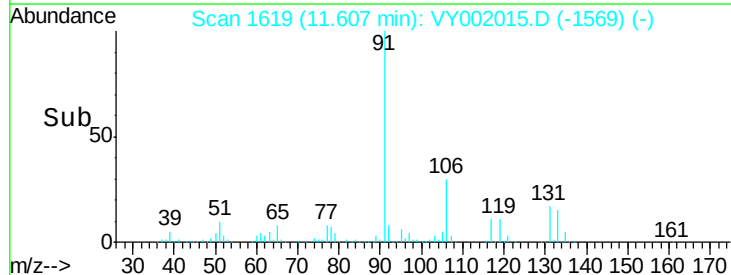
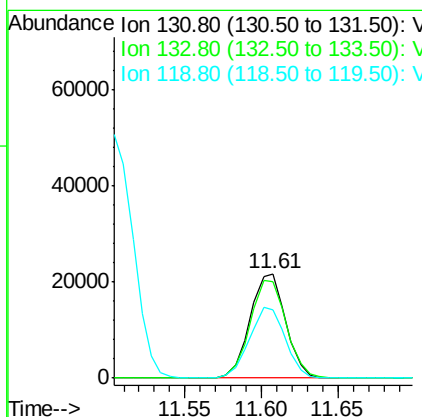
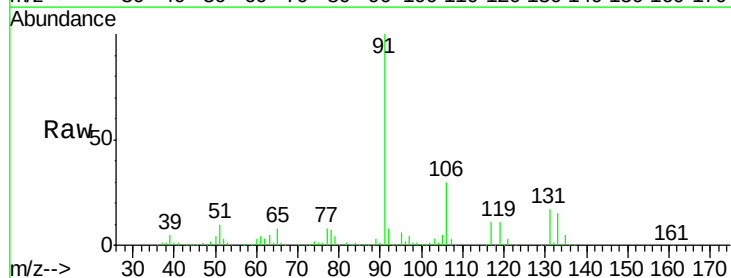
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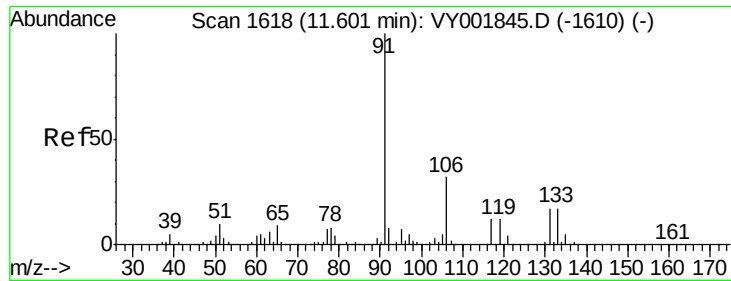
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.478 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	35274		
133	95.4	47.1	141.3	
119	68.5	34.5	103.6	





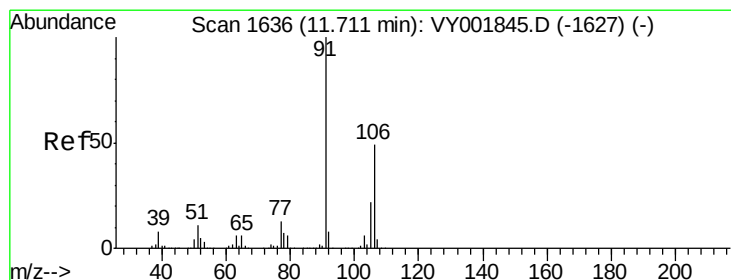
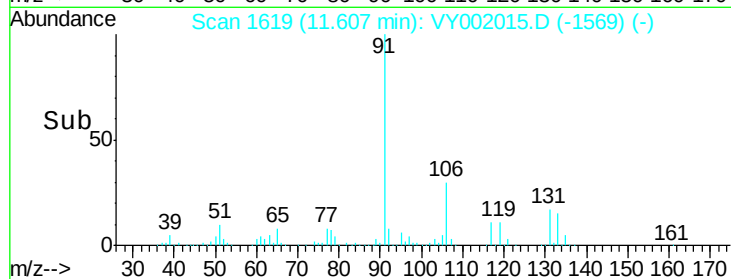
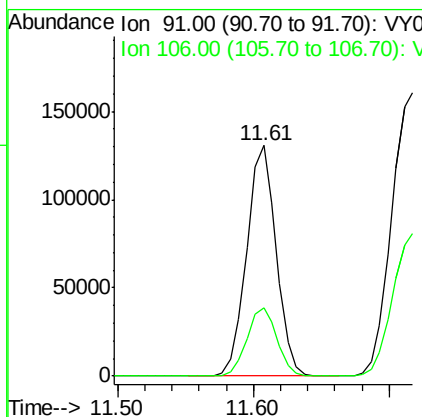
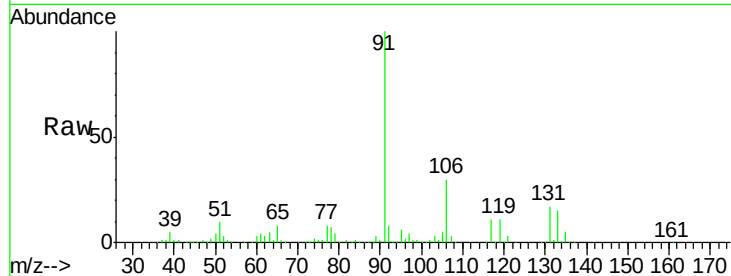
#67
Ethyl Benzene
Concen: 21.228 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.4	38.2

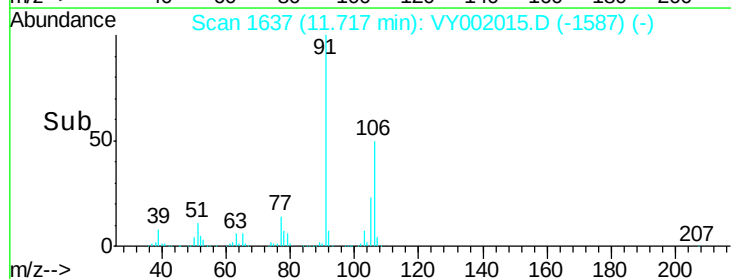
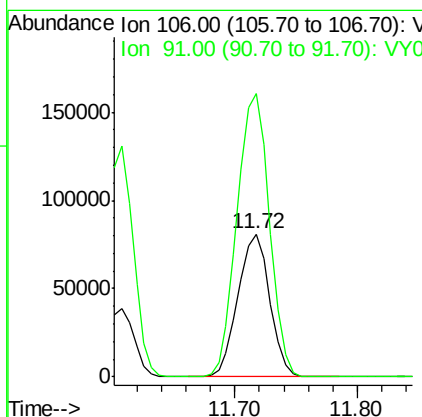
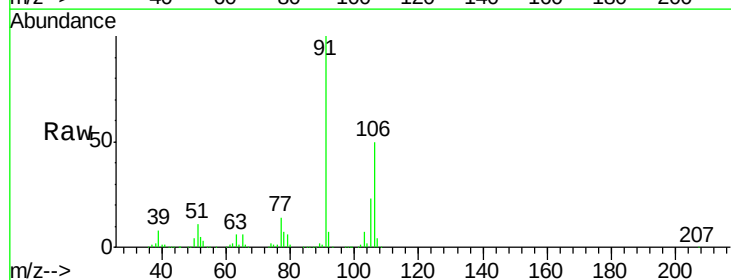
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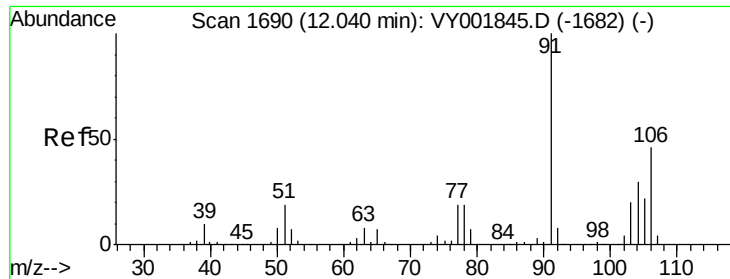
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#68
m/p-Xylenes
Concen: 42.140 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.4	161.3	241.9





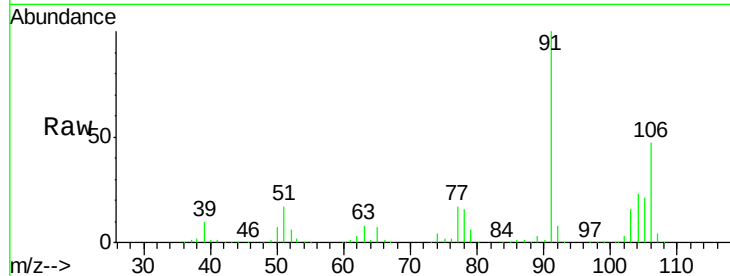
#69
o-Xylene
Concen: 21.037 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

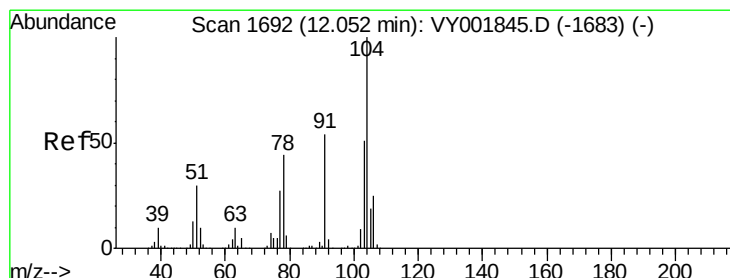
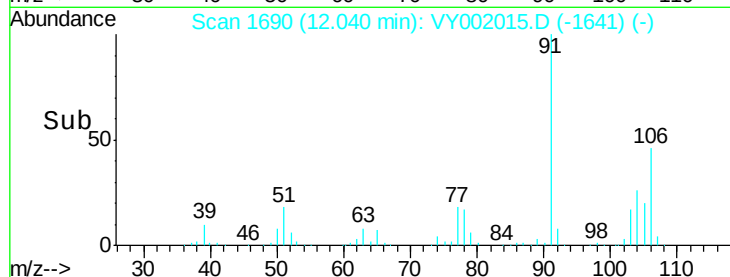
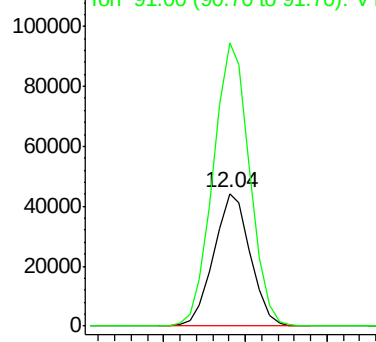
Tot Ion:106 Resp: 68469
Ion Ratio Lower Upper
106 100
91 214.4 106.8 320.4

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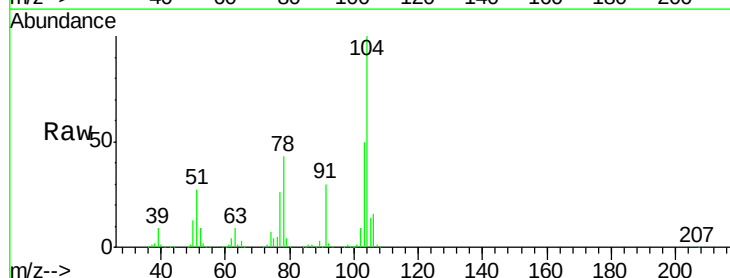


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

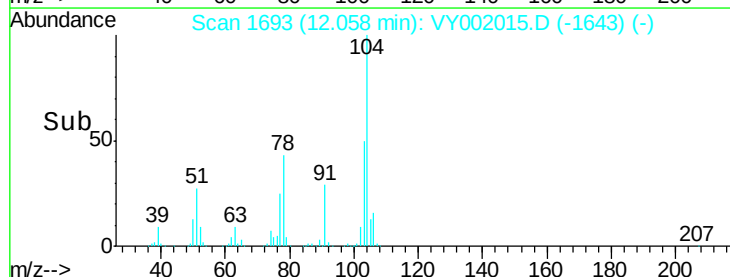
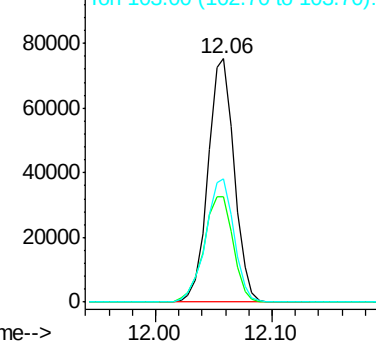


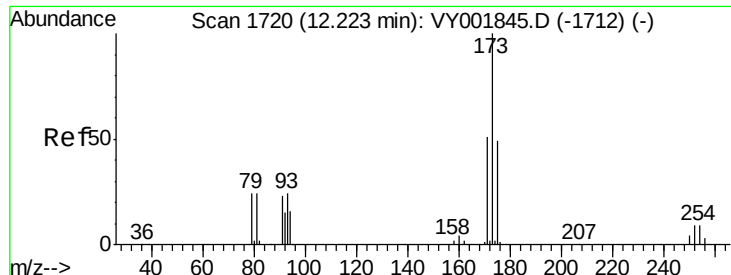
#70
Styrene
Concen: 21.206 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion:104 Resp: 118210
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 54.5 42.9 64.3



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





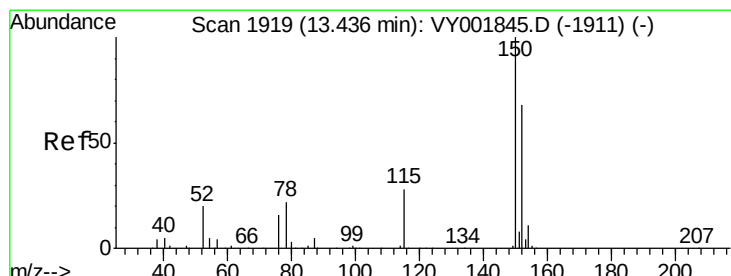
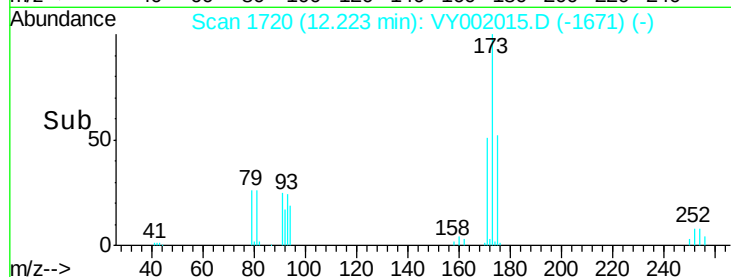
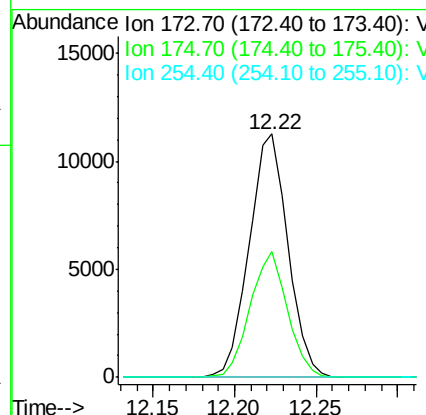
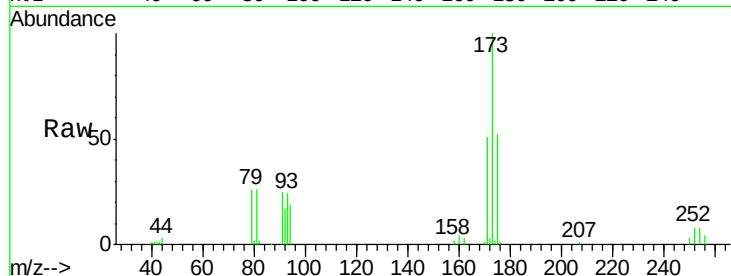
#71
Bromoform
Concen: 20.858 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.0	0.0	0.0

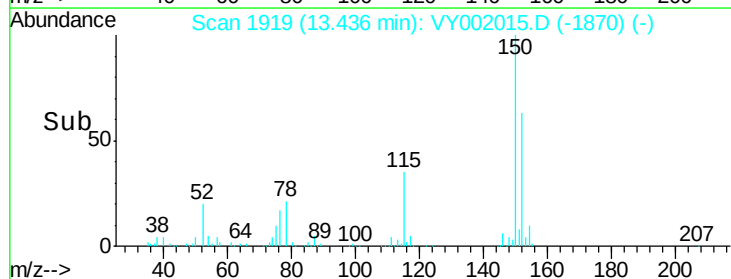
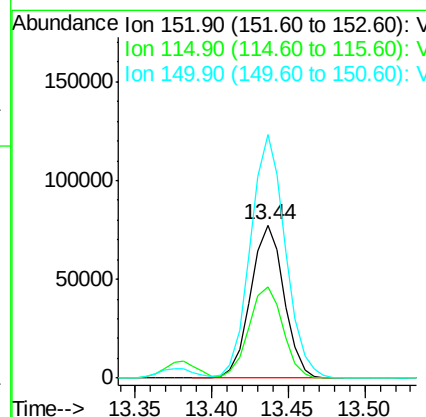
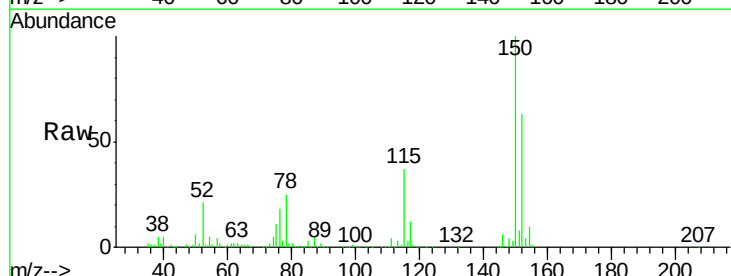
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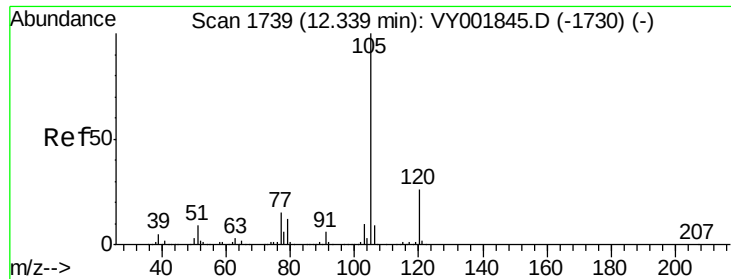
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.9	89.7
150	166.3	0.0	340.6





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion:105 Resp: 187337

Ion Ratio Lower Upper

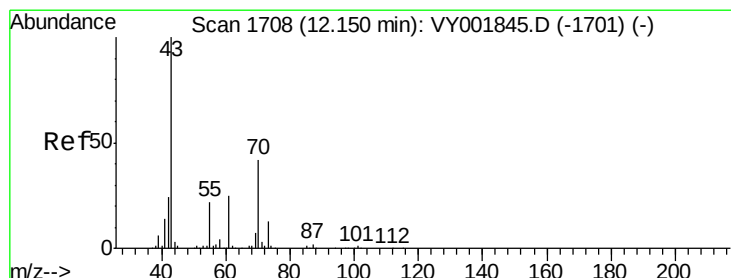
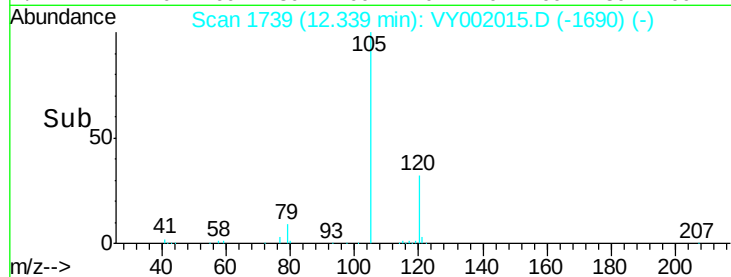
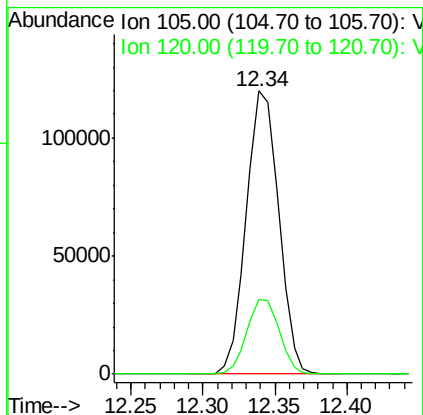
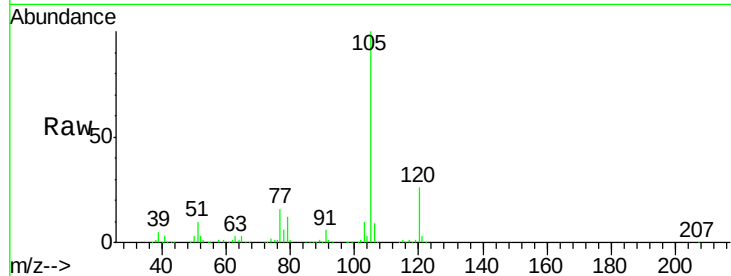
105 100

120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.156 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion: 43 Resp: 55494

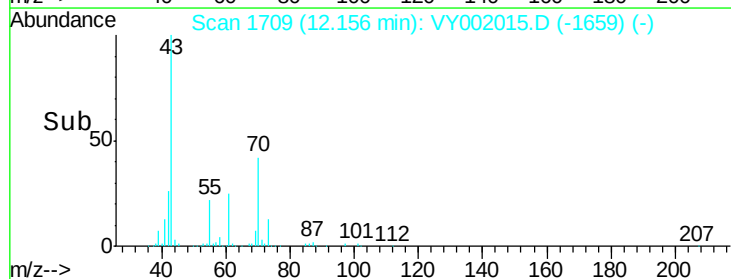
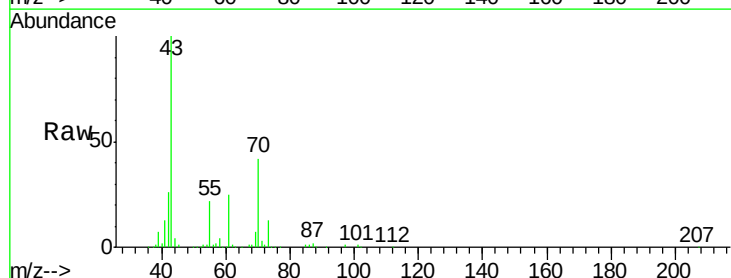
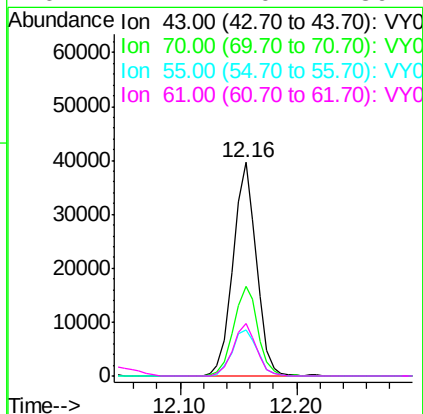
Ion Ratio Lower Upper

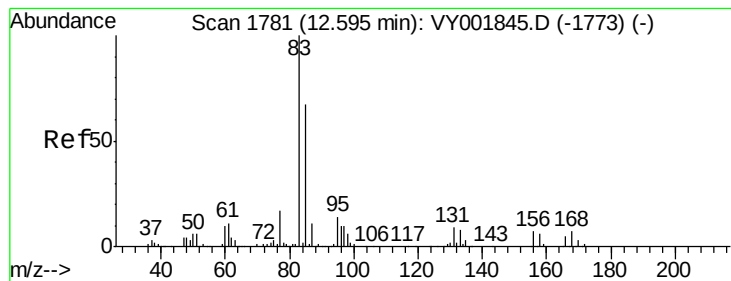
43 100

70 43.6 34.7 52.1

55 23.4 18.2 27.4

61 24.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.677 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

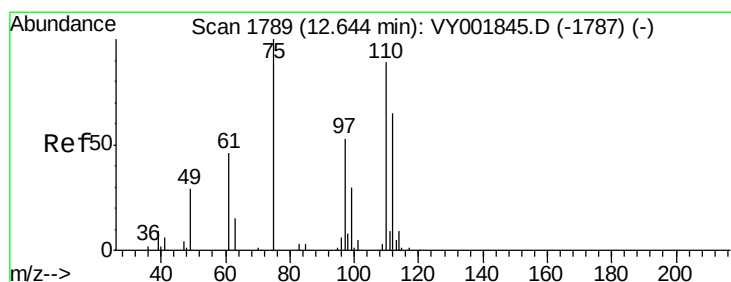
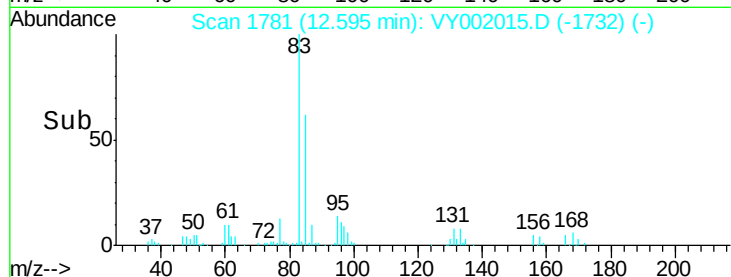
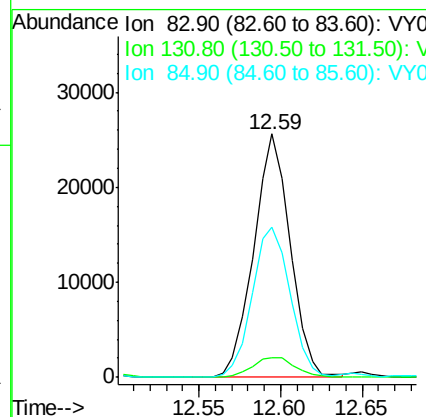
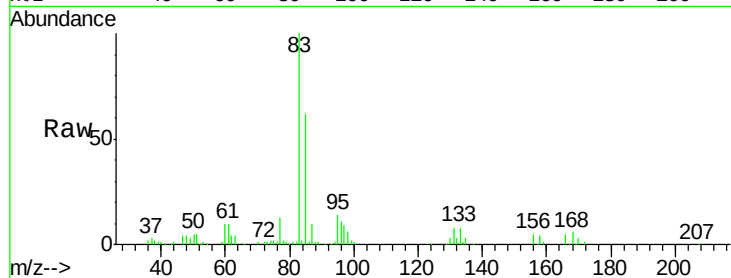
ClientSampleId :

VY0319SBS01

Tot Ion:	83	Resp:	39945
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.244 ug/l m

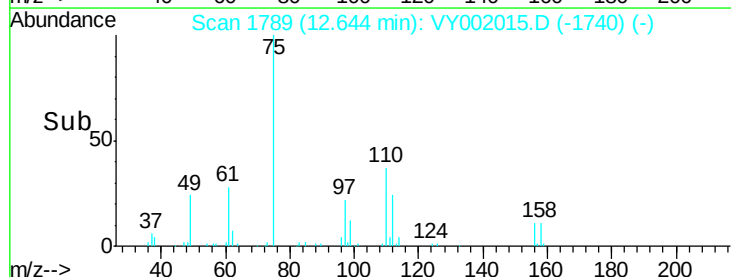
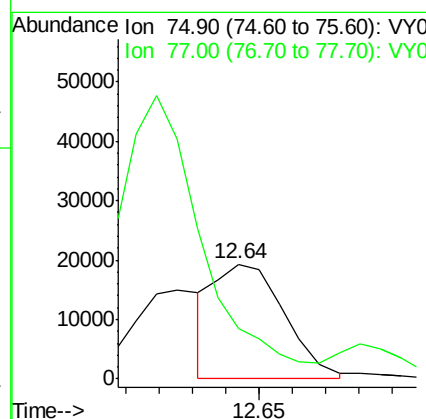
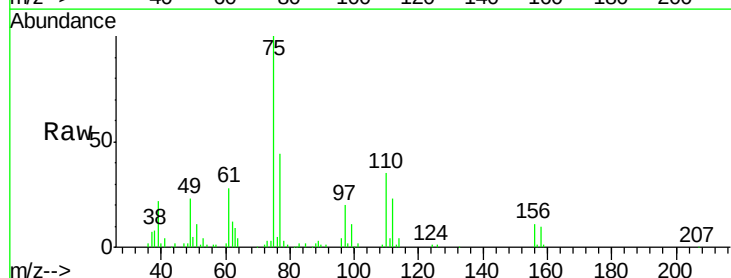
RT: 12.64 min Scan# 1789

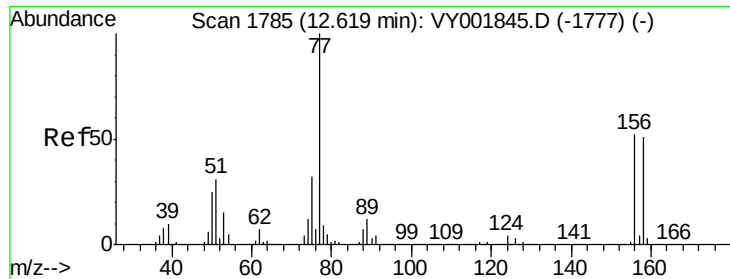
Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion:	75	Resp:	28188
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.260 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

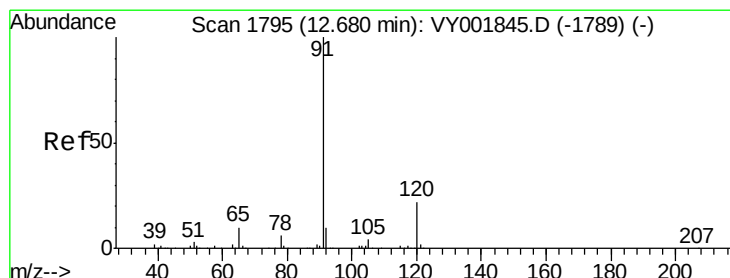
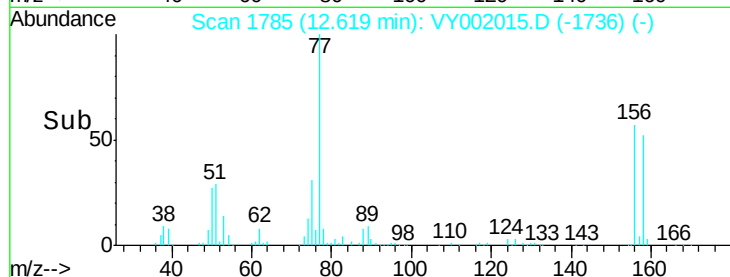
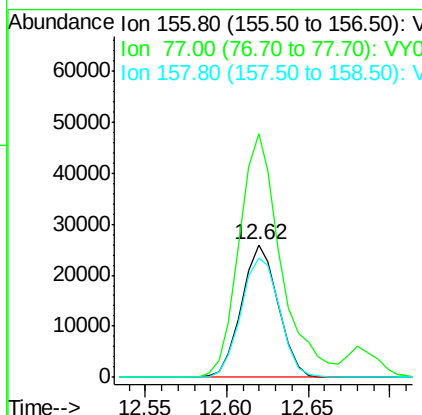
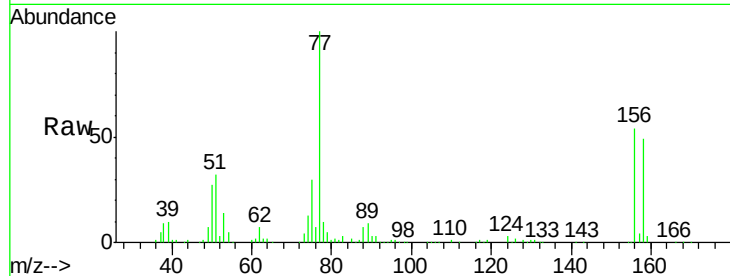
ClientSampleId :

VY0319SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	211.6	109.0	327.0		
158	95.4	48.9	146.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 20.951 ug/l

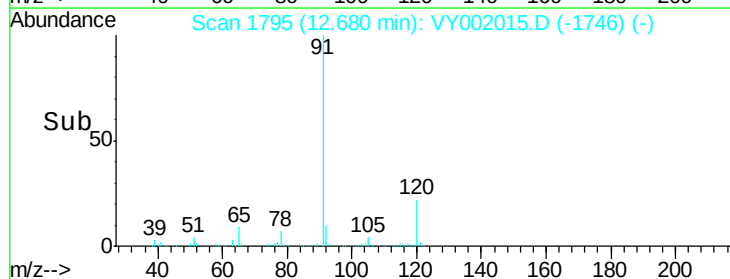
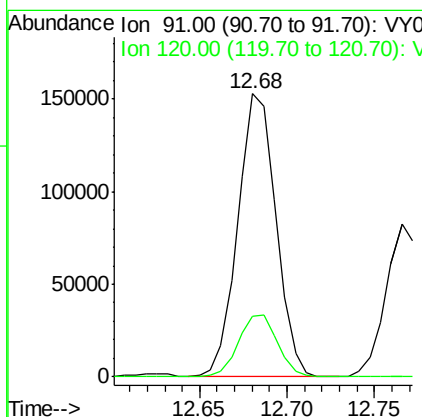
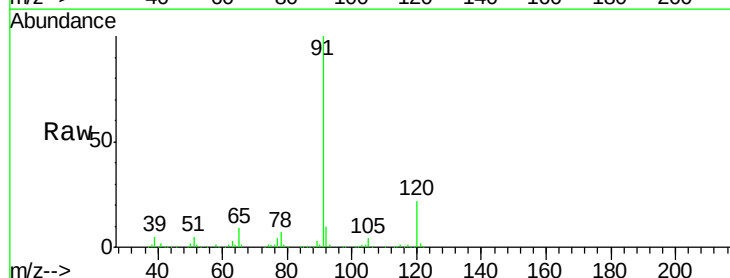
RT: 12.68 min Scan# 1795

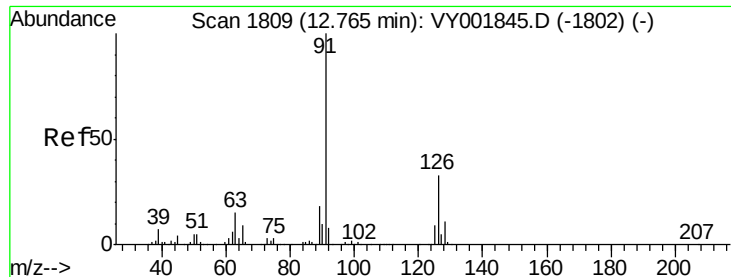
Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.3	11.0	33.0		





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 91 Resp: 126781

Ion Ratio Lower Upper

91 100

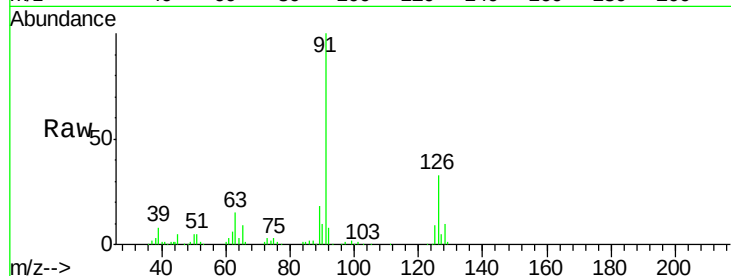
126 33.2 16.3 48.8

Manual Integrations

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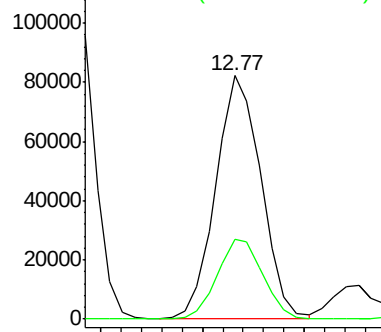
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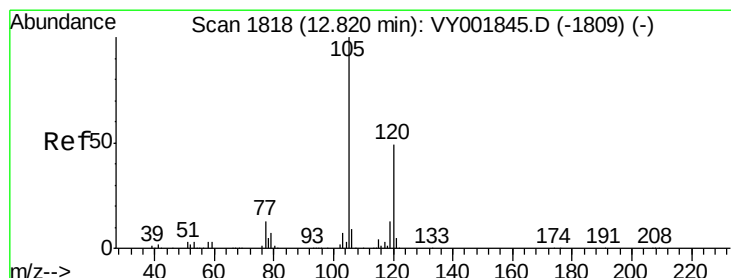
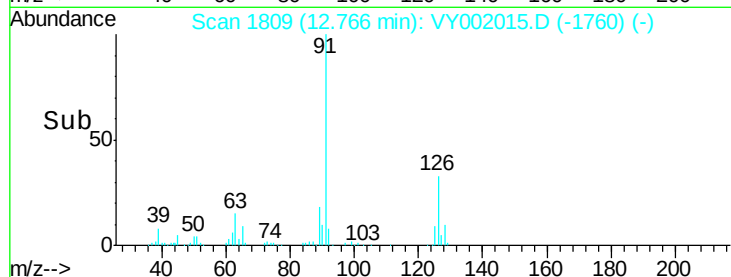


Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



Time--> 12.70 12.75 12.80



#80

1,3,5-Trimethylbenzene

Concen: 21.030 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002015.D

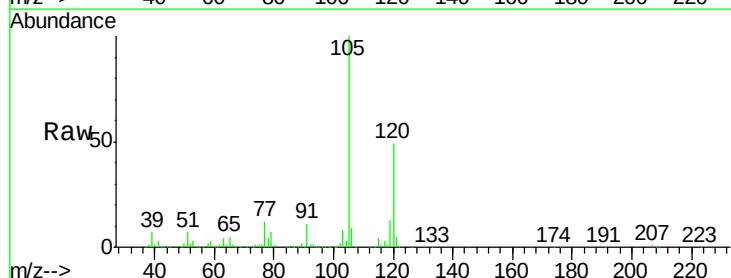
Acq: 19 Mar 2020 12:52

Tgt Ion:105 Resp: 155095

Ion Ratio Lower Upper

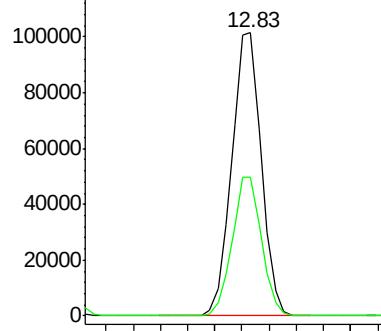
105 100

120 48.7 24.4 73.2

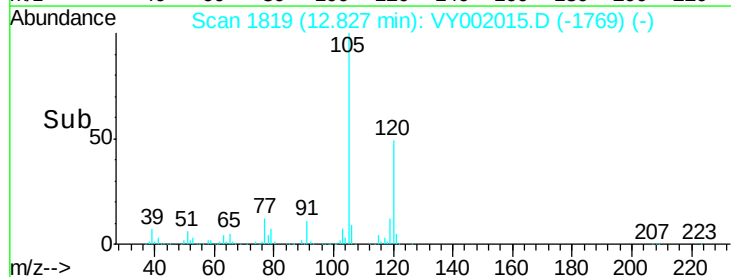


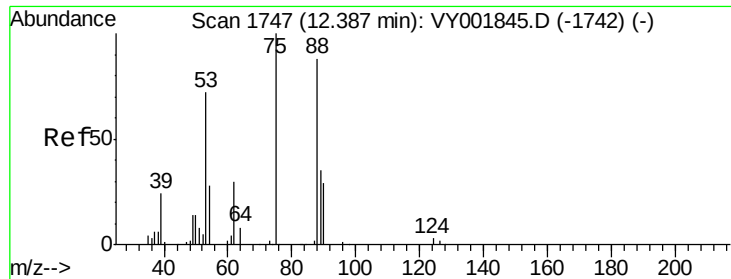
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.80 12.90





#81

trans-1,4-Dichloro-2-butene

Concen: 19.780 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

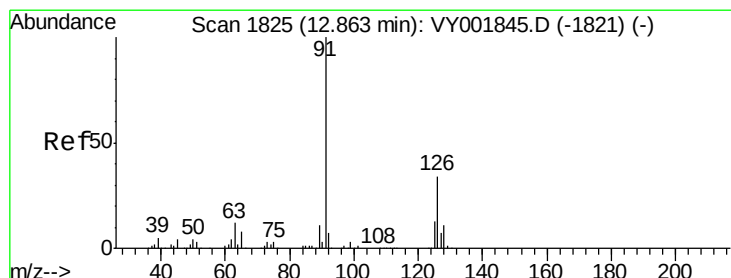
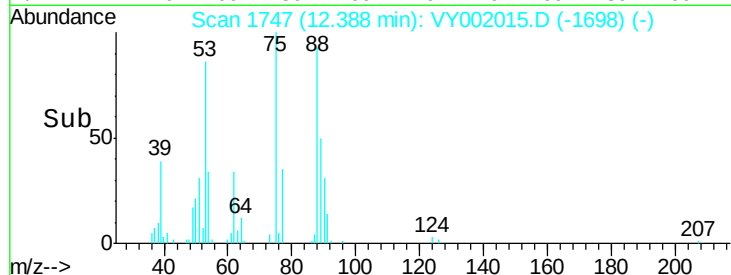
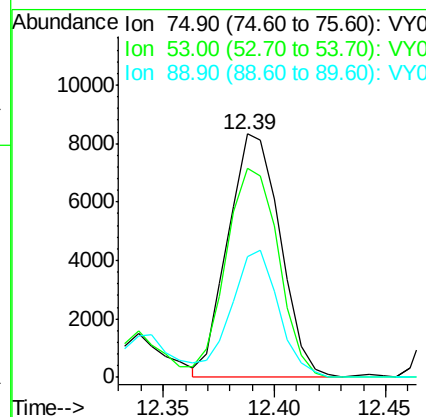
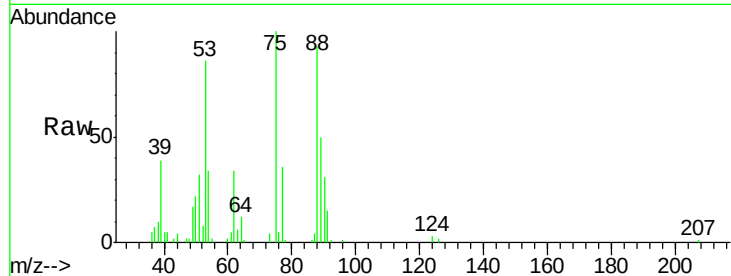
ClientSampleId :

VY0319SBS01

Tot Ion:	75	Resp:	13635
Ion Ratio	Lower	Upper	
75	100		
53	86.9	65.4	98.0
89	47.9	36.0	54.0

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#82

4-Chlorotoluene

Concen: 21.040 ug/l

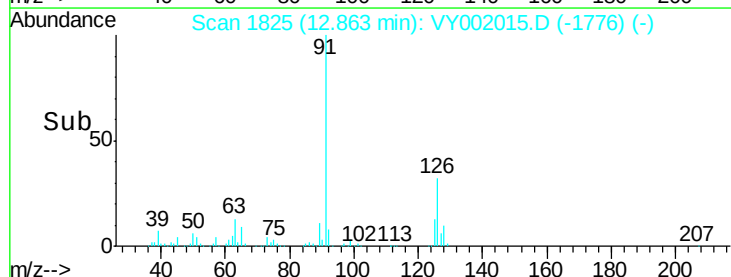
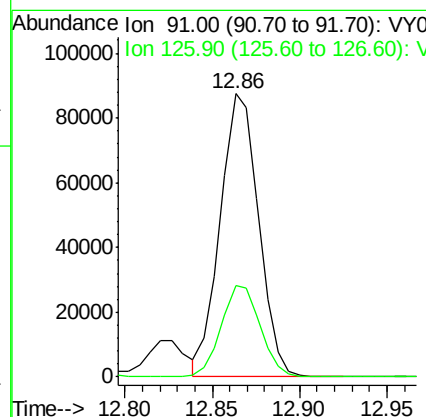
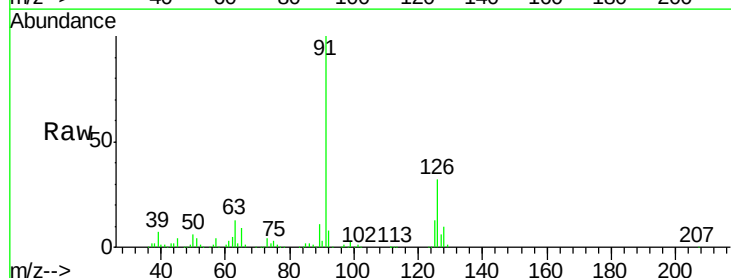
RT: 12.86 min Scan# 1825

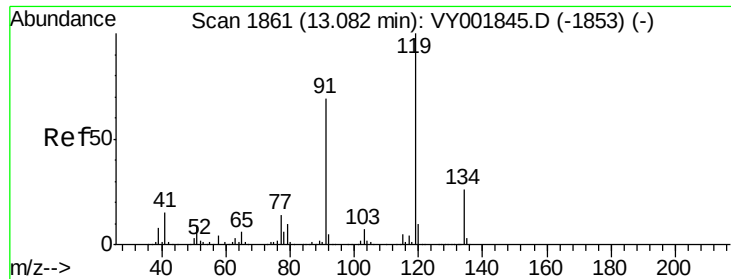
Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Tgt Ion:	91	Resp:	133762
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.4	49.2





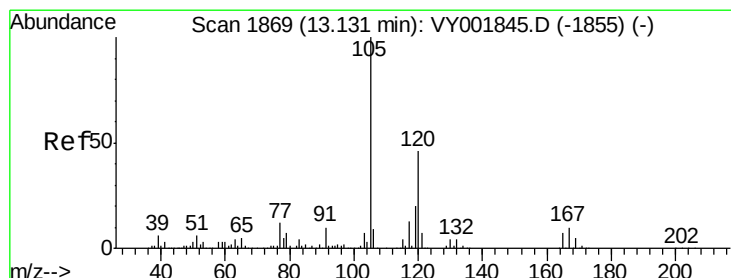
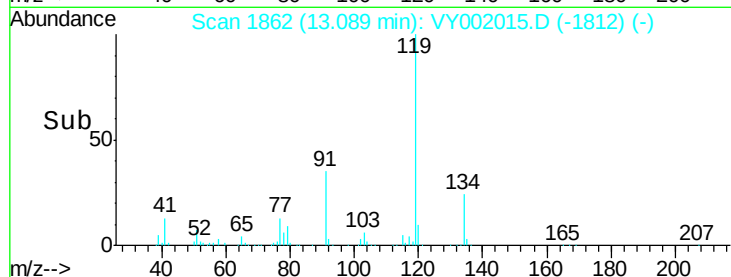
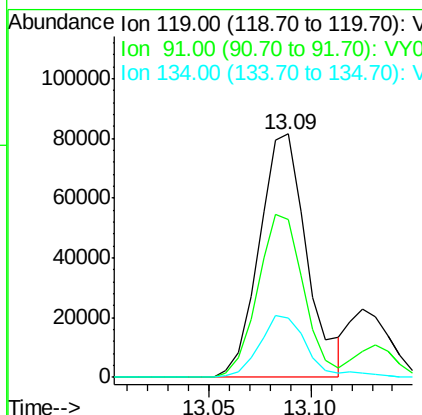
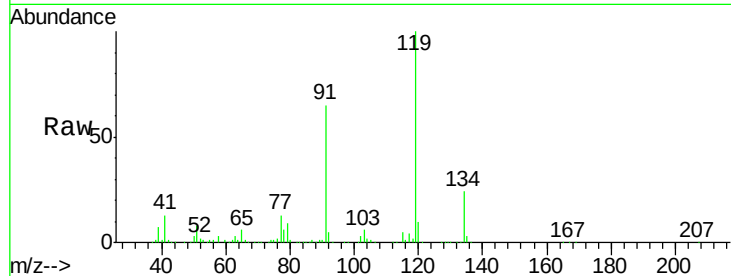
#83
 tert-Butylbenzene
 Concen: 21.602 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132318		
91	64.6	34.0	101.8	
134	25.9	13.5	40.4	

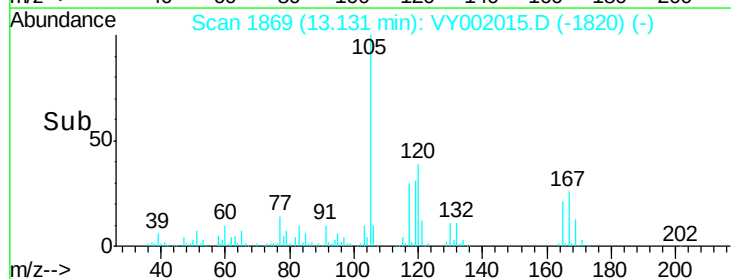
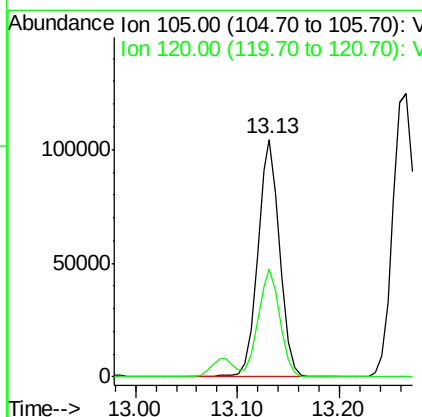
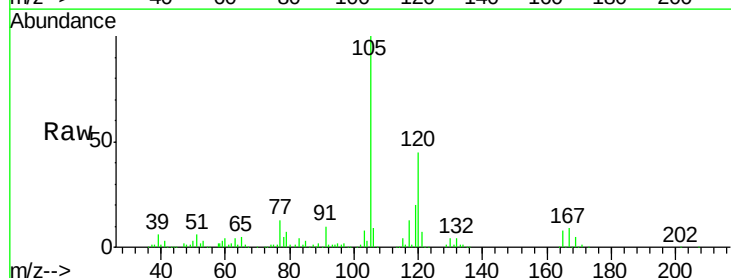
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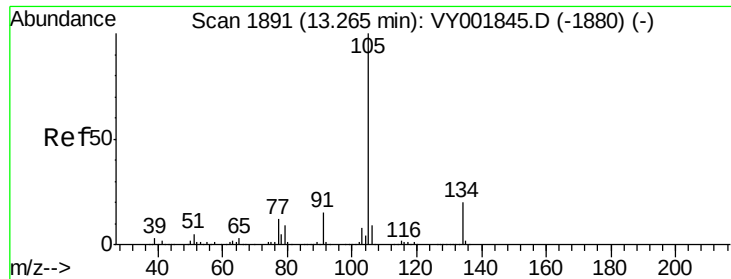
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.135 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154684		
120	44.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.279 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion:105 Resp: 192118

Ion Ratio Lower Upper

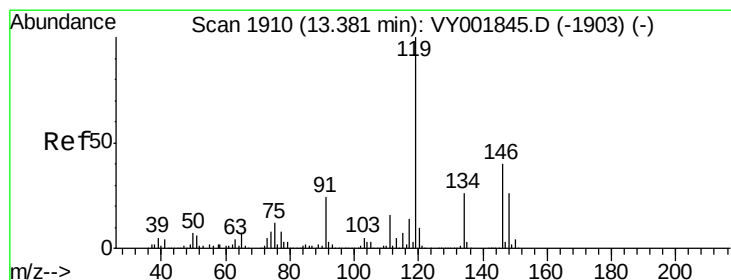
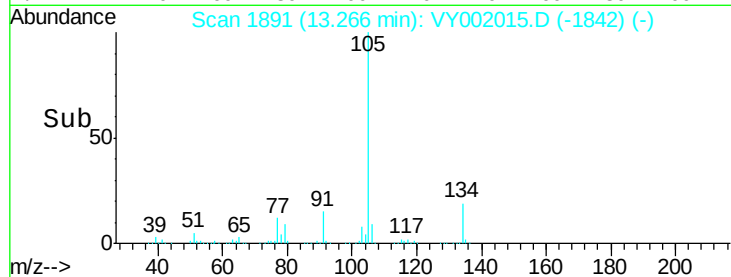
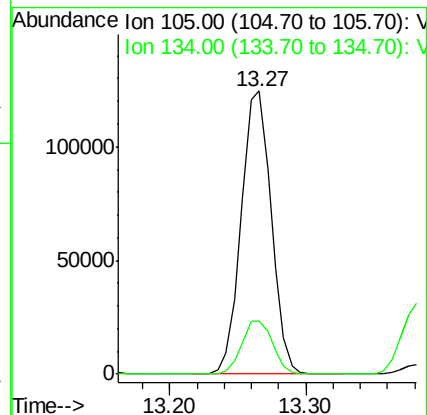
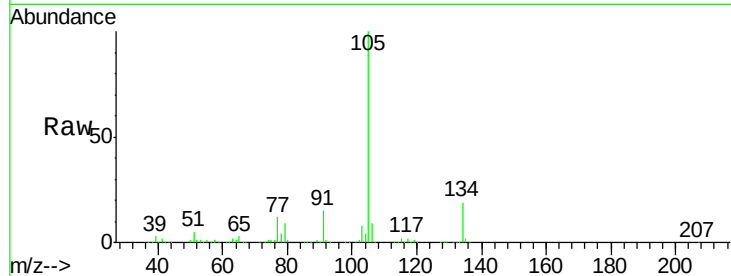
105 100

134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.532 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002015.D

Acq: 19 Mar 2020 12:52

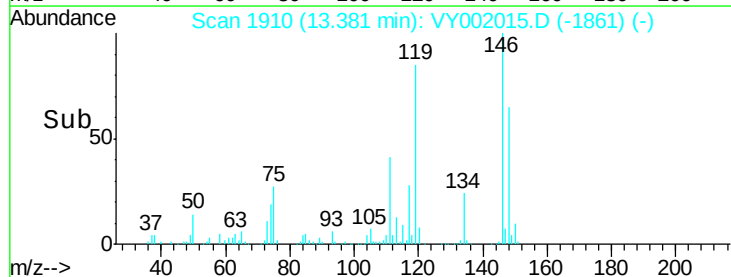
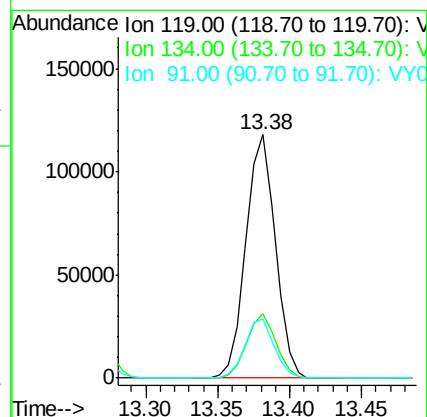
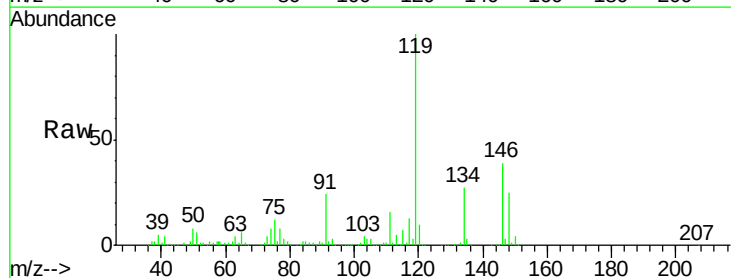
Tgt Ion:119 Resp: 167703

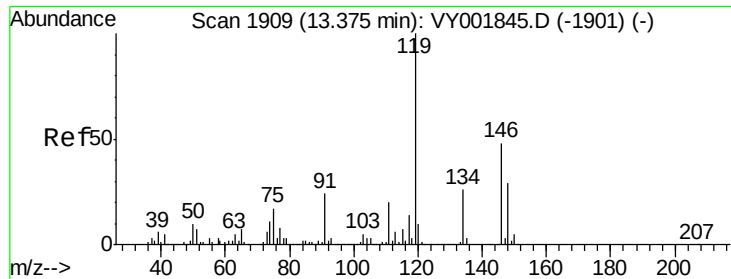
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 11.9 35.7





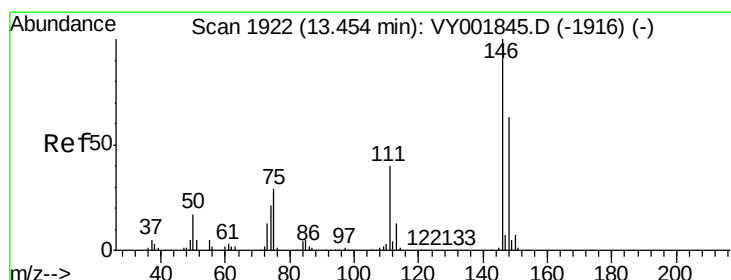
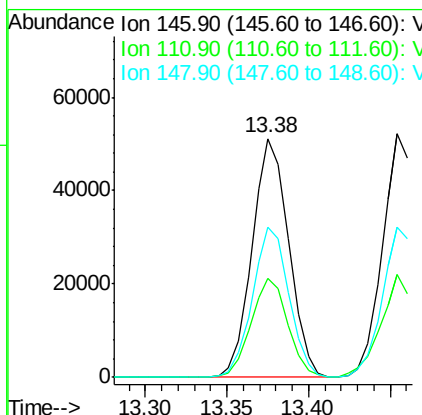
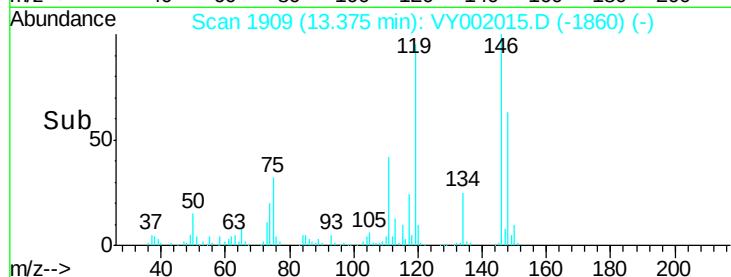
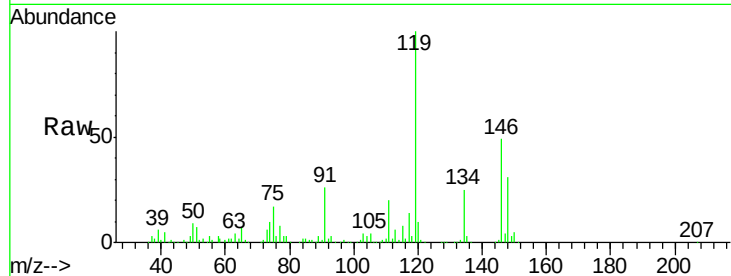
#87
 1,3-Dichlorobenzene
 Concen: 21.427 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	62.8	31.4	94.0

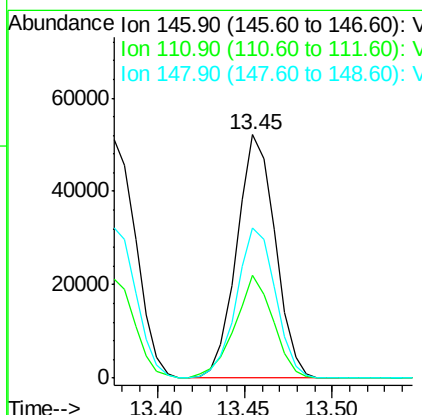
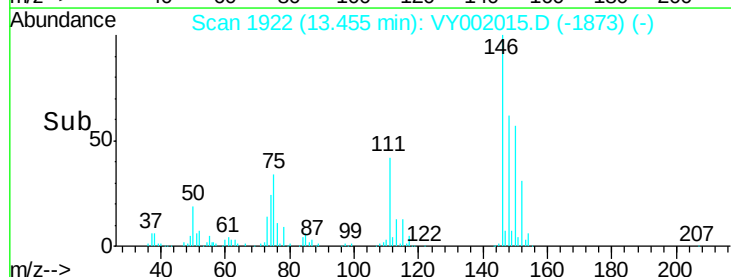
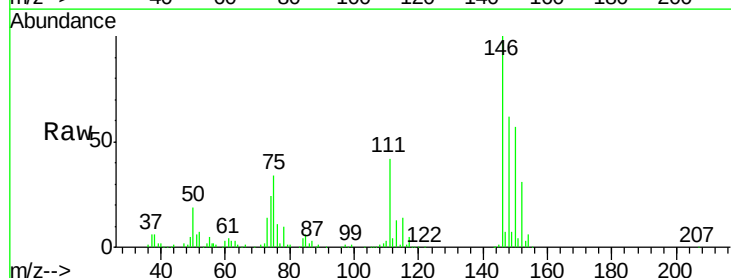
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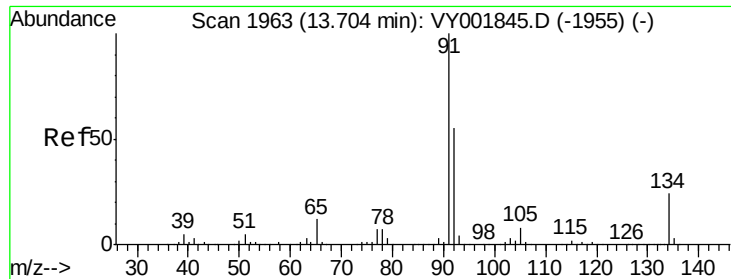
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#88
 1,4-Dichlorobenzene
 Concen: 21.151 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	60.0
148	62.5	31.5	94.5





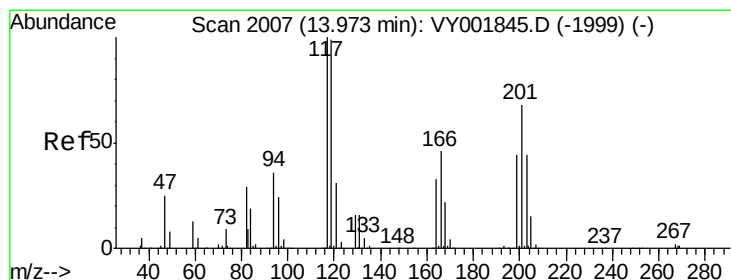
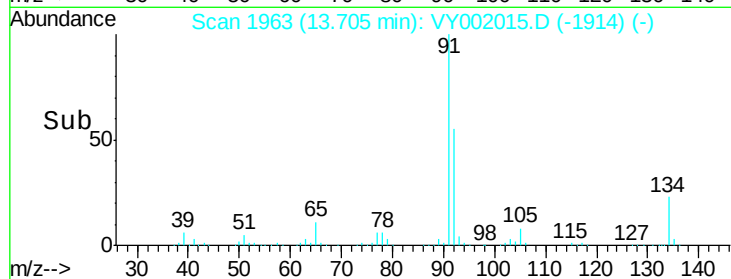
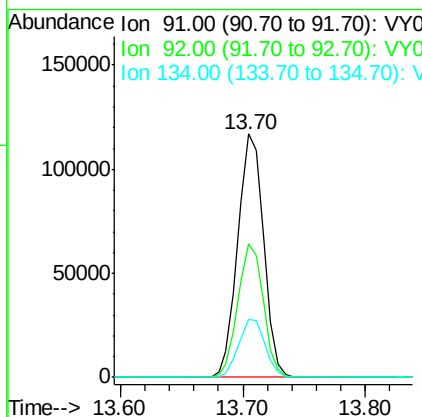
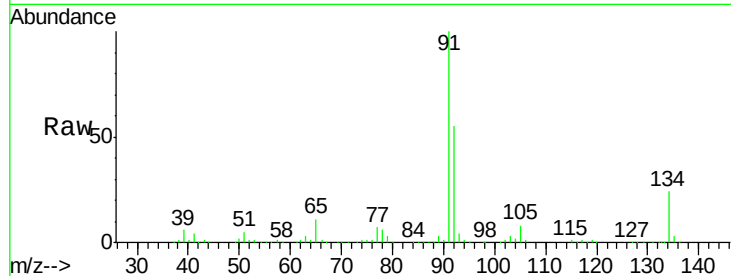
#89
n-Butylbenzene
Concen: 21.167 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.3	12.5	37.5

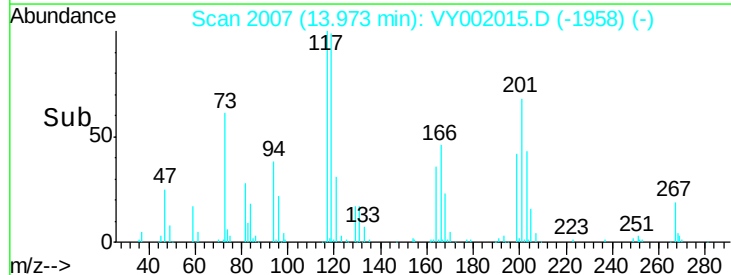
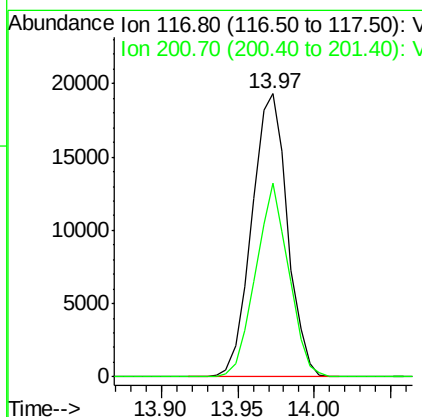
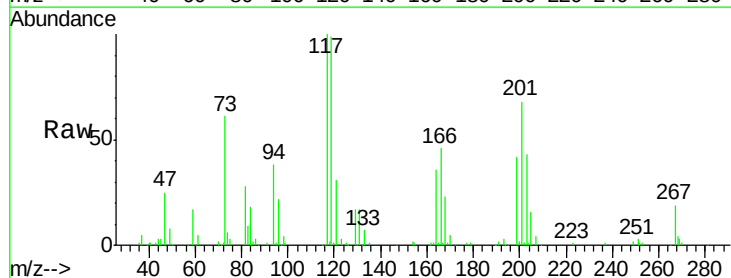
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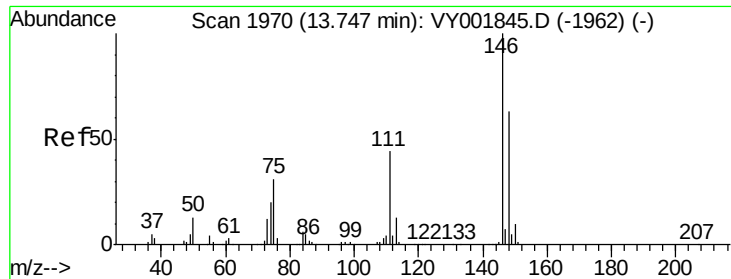
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#90
Hexachloroethane
Concen: 21.292 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.5	97.5





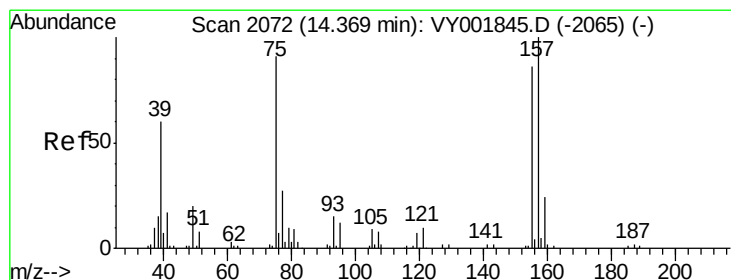
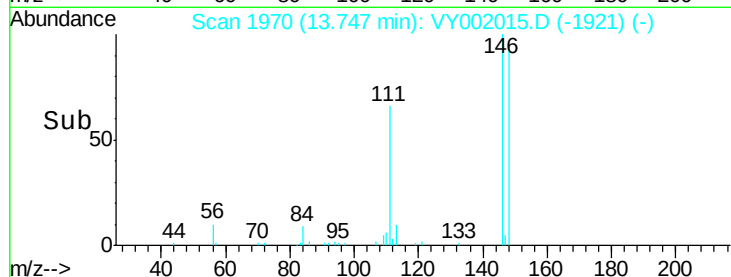
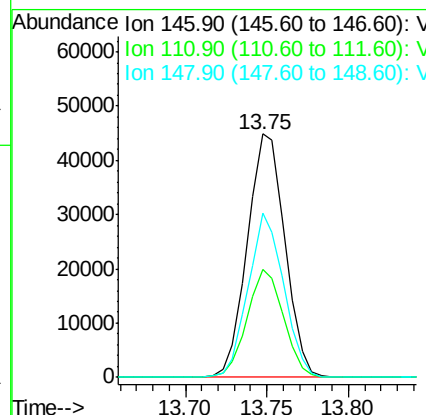
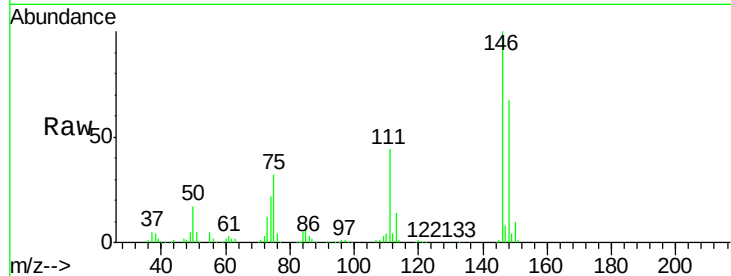
#91
 1,2-Dichlorobenzene
 Concen: 21.347 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.5	64.5
148	63.8	32.0	96.0

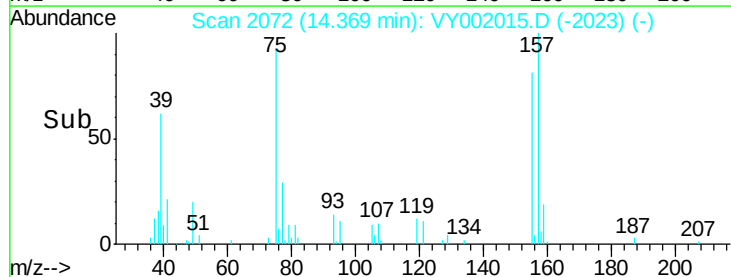
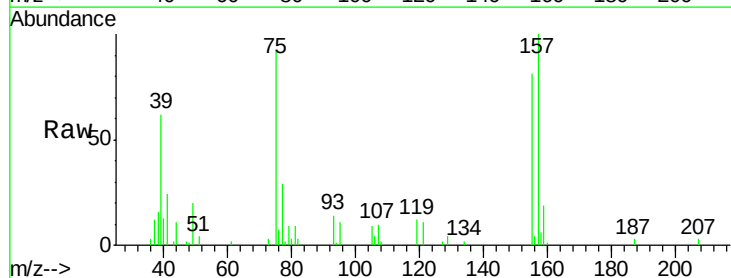
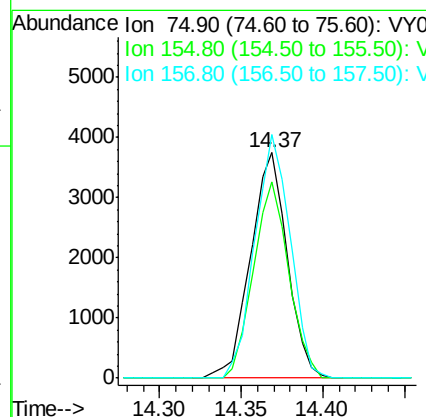
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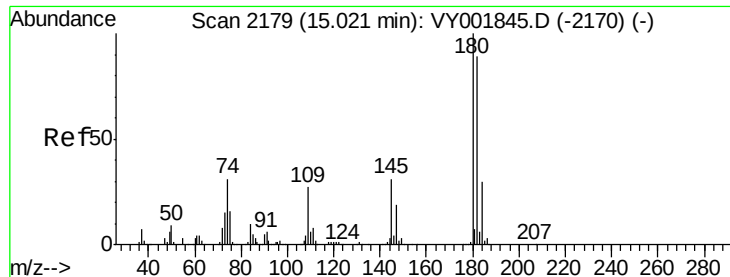
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.463 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	42.9	128.7
157	104.7	53.1	159.4





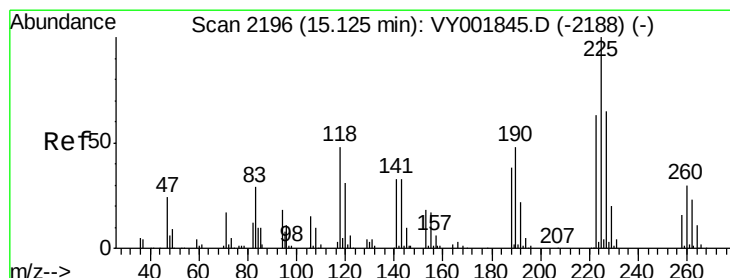
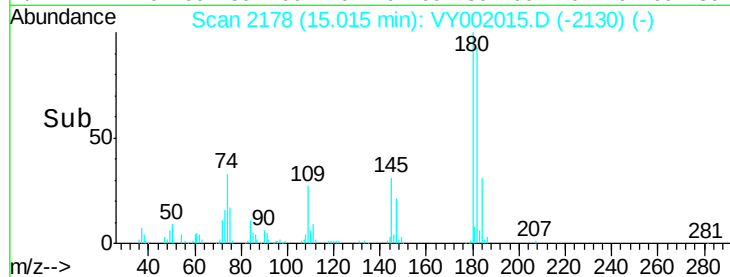
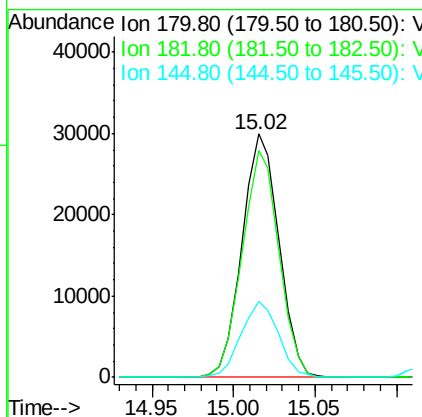
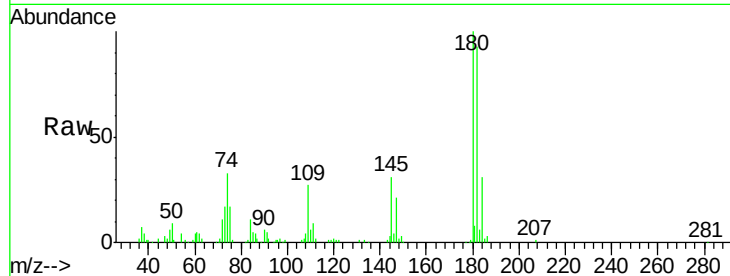
#93
 1,2,4-Trichlorobenzene
 Concen: 21.566 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.1	138.3
145	31.3	15.6	46.8

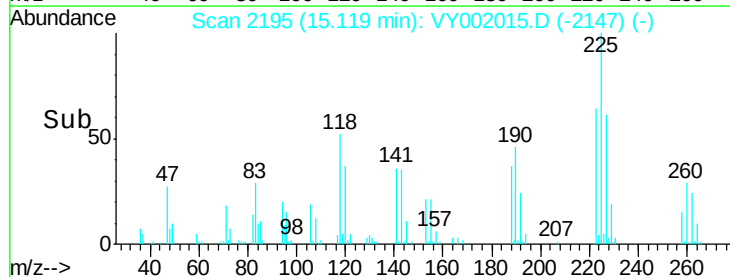
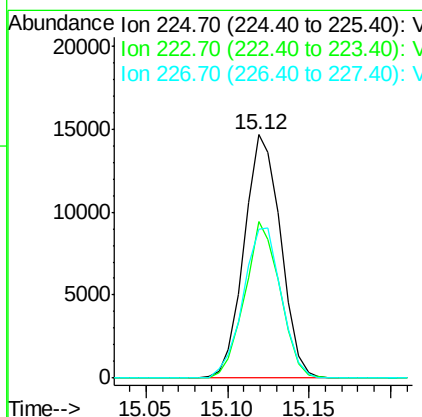
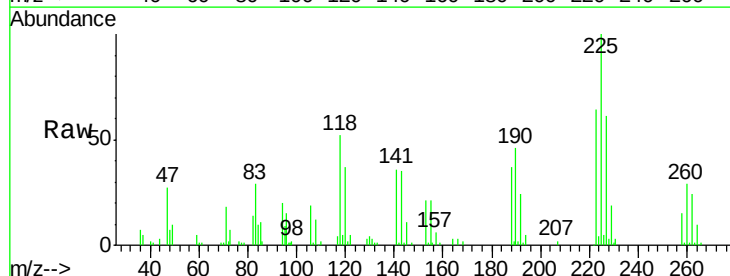
Manual Integrations
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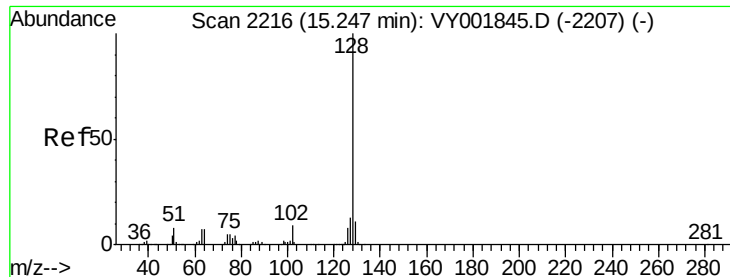
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#94
 Hexachlorobutadiene
 Concen: 21.374 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002015.D
 Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.5	94.5
227	64.4	31.9	95.5





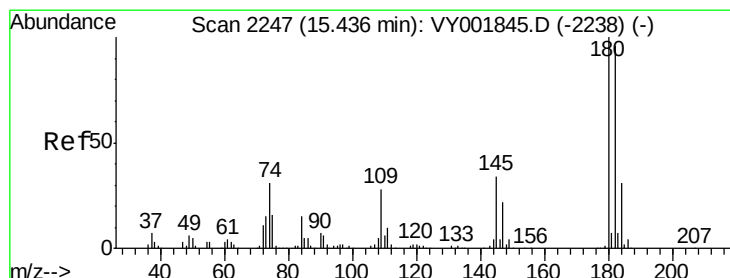
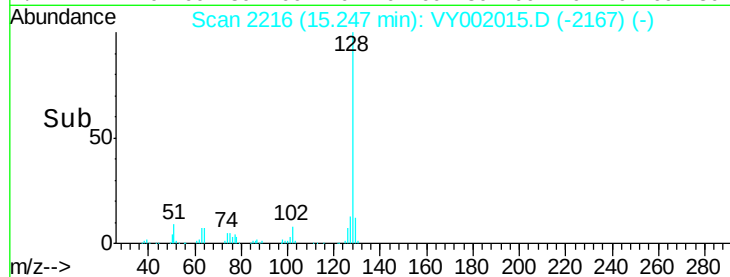
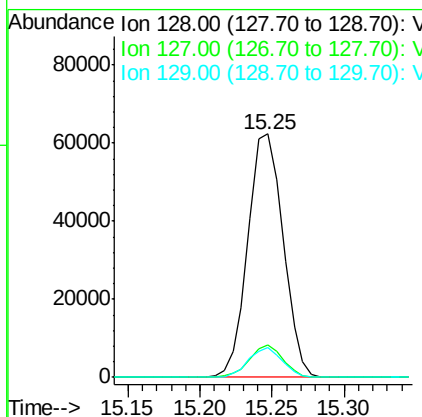
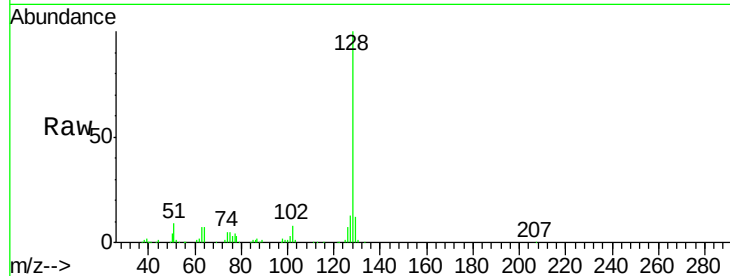
#95
Naphthalene
Concen: 20.340 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:06:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.374 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002015.D
Acq: 19 Mar 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	34.6	16.8	50.3

