

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001715.D
 Acq On : 20 Feb 2020 11:53
 Operator : SY/MD
 Sample : VY0220SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Manual Integrations
 APPROVED

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 2/21/2020 3:23:25 PM

Quant Time: Feb 21 08:14:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	198485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	347767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	316223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	145551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102501	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.75	113	94593	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.19	98	400644	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.49	95	143615	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	33695	17.415	ug/l	98
3) Chloromethane	2.13	50	47488	18.248	ug/l	99
4) Vinyl Chloride	2.27	62	48417	18.446	ug/l	98
5) Bromomethane	2.67	94	32714	19.942	ug/l	96
6) Chloroethane	2.82	64	31370	19.395	ug/l	98
7) Trichlorofluoromethane	3.15	101	66011	19.650	ug/l	97
8) Diethyl Ether	3.56	74	24520	18.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	41841	19.816	ug/l	98
10) Methyl Iodide	4.13	142	47725	18.468	ug/l	98
11) Tert butyl alcohol	4.99	59	25441	86.274	ug/l	96
12) 1,1-Dichloroethene	3.91	96	42214	19.602	ug/l	97
13) Acrolein	3.76	56	17461	80.979	ug/l	99
14) Allyl chloride	4.52	41	75379	19.667	ug/l	97
15) Acrylonitrile	5.21	53	59186	87.189	ug/l	98
16) Acetone	3.99	43	53049	71.811	ug/l	94
17) Carbon Disulfide	4.23	76	134353	18.686	ug/l	100
18) Methyl Acetate	4.52	43	28789	17.895	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	108658	18.122	ug/l	96
20) Methylene Chloride	4.75	84	51149	19.493	ug/l	98
21) trans-1,2-Dichloroethene	5.26	96	47997	19.534	ug/l	97
22) Diisopropyl ether	6.15	45	153653	19.521	ug/l	96
23) Vinyl Acetate	6.10	43	461366	89.861	ug/l	98
24) 1,1-Dichloroethane	6.05	63	83610	19.874	ug/l	99
25) 2-Butanone	7.02	43	78164	77.888	ug/l	97
26) 2,2-Dichloropropane	7.01	77	72534	19.817	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	53413	19.694	ug/l	99
28) Bromochloromethane	7.37	49	32939	18.796	ug/l	98
29) Tetrahydrofuran	7.38	42	50526	83.299	ug/l	97
30) Chloroform	7.54	83	79483	19.336	ug/l	100
31) Cyclohexane	7.81	56	86238	19.226	ug/l	94
32) 1,1,1-Trichloroethane	7.73	97	68698	19.885	ug/l	99
36) 1,1-Dichloropropene	7.94	75	67140	20.212	ug/l	99
37) Ethyl Acetate	7.10	43	33750	17.023	ug/l	99
38) Carbon Tetrachloride	7.93	117	58500	20.050	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	85178	19.328	ug/l	98
40) Benzene	8.19	78	196163	20.079	ug/l	98
41) Methacrylonitrile	7.35	41	17990m	18.071	ug/l	
42) 1,2-Dichloroethane	8.27	62	51105	19.201	ug/l	99
43) Isopropyl Acetate	8.30	43	65496	17.411	ug/l	98
44) Trichloroethene	8.96	130	48119	19.730	ug/l	96
45) 1,2-Dichloropropane	9.24	63	49937	20.410	ug/l	98
46) Dibromomethane	9.32	93	24254	18.952	ug/l	100
47) Bromodichloromethane	9.52	83	59848	19.377	ug/l	99
48) Methyl methacrylate	9.31	41	29041	17.070	ug/l	99
49) 1,4-Dioxane	9.32	88	5935	328.356	ug/l #	93
51) 4-Methyl-2-Pentanone	10.09	43	166777	86.289	ug/l	97
52) Toluene	10.26	92	122808	20.152	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	64705	18.950	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	77437	19.705	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	35382	18.750	ug/l	98
56) Ethyl methacrylate	10.52	69	49824	17.600	ug/l	95
57) 1,3-Dichloropropane	10.80	76	63523	18.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	131270	112.810	ug/l	99
59) 2-Hexanone	10.85	43	119125	82.144	ug/l	96
60) Dibromochloromethane	11.00	129	38393	18.454	ug/l	100
61) 1,2-Dibromoethane	11.10	107	32868	18.421	ug/l	99
64) Tetrachloroethene	10.73	164	38453	19.371	ug/l	94
65) Chlorobenzene	11.53	112	123349	19.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	41919	19.683	ug/l	99
67) Ethyl Benzene	11.60	91	235226	20.077	ug/l	100
68) m/p-Xylenes	11.71	106	174105	39.782	ug/l	98
69) o-Xylene	12.04	106	82933	19.932	ug/l	98
70) Styrene	12.05	104	144815	20.027	ug/l	99
71) Bromoform	12.22	173	20680	16.991	ug/l #	100
73) Isopropylbenzene	12.34	105	225180	20.308	ug/l	100
74) N-amyl acetate	12.15	43	62487	17.658	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	42900	18.120	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	33020m	19.776	ug/l	
77) Bromobenzene	12.62	156	46903	19.512	ug/l	96
78) n-propylbenzene	12.68	91	277828	20.573	ug/l	100
79) 2-Chlorotoluene	12.77	91	154870	20.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	188348	20.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15246	17.323	ug/l	92
82) 4-Chlorotoluene	12.86	91	162850	20.385	ug/l	99
83) tert-Butylbenzene	13.08	119	158690	20.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	187965	20.541	ug/l	100
85) sec-Butylbenzene	13.26	105	233209	20.655	ug/l	100
86) p-Isopropyltoluene	13.38	119	203014	20.698	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	93948	20.153	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	94377	20.028	ug/l	97
89) n-Butylbenzene	13.70	91	208996	20.853	ug/l	99
90) Hexachloroethane	13.97	117	36580	19.794	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	84068	19.541	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6356	16.267	ug/l	97

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VY0220SBSD01

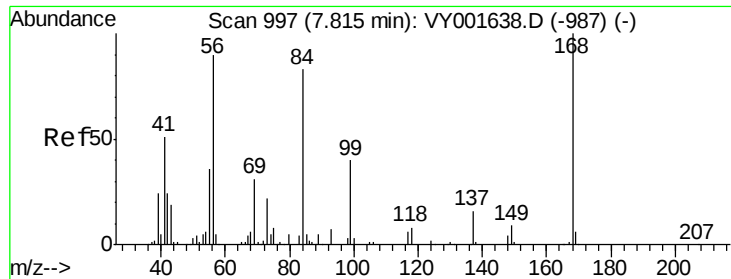
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	55461	19.453	ug/l	97
94) Hexachlorobutadiene	15.12	225	28180	19.875	ug/l	99
95) Naphthalene	15.24	128	118627	18.046	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	49086	19.570	ug/l	98

(#) = 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: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion:168 Resp: 198485

Ion Ratio Lower Upper

168 100

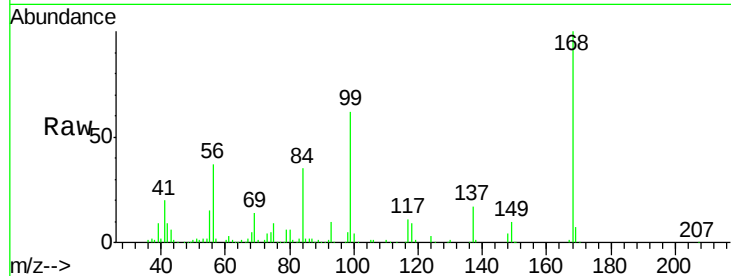
99 61.5 47.5 71.3

Manual Integrations

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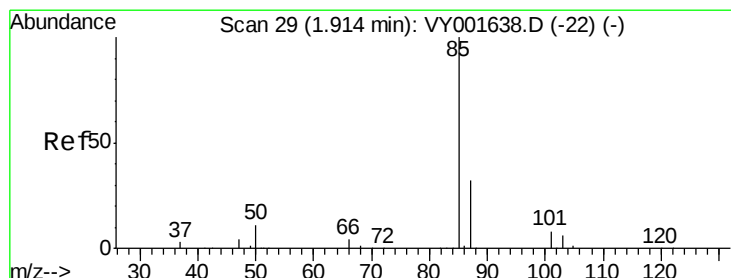
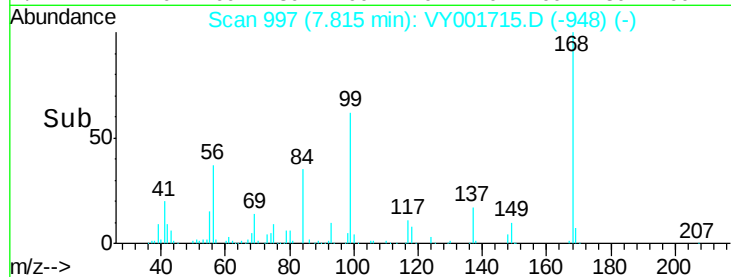
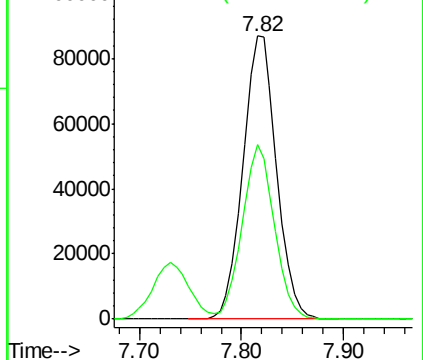
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Abundance Ion 167.90 (167.60 to 168.60): VY001715.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001715.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 17.415 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001715.D

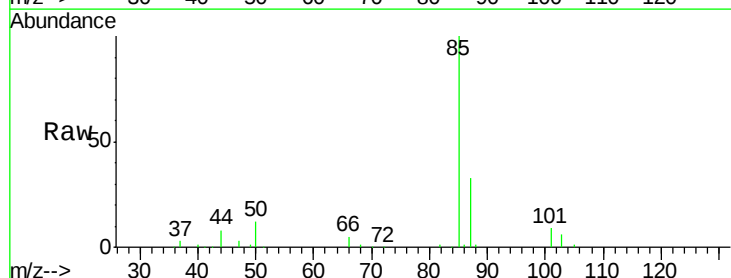
Acq: 20 Feb 2020 11:53

Tgt Ion: 85 Resp: 33695

Ion Ratio Lower Upper

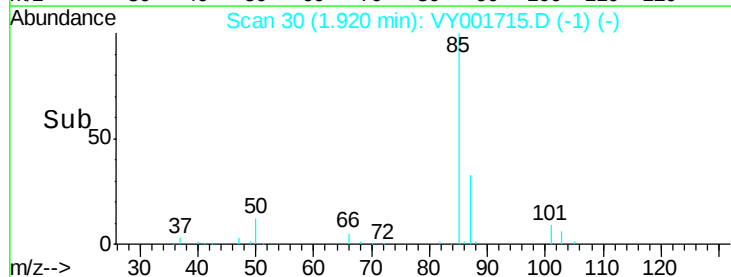
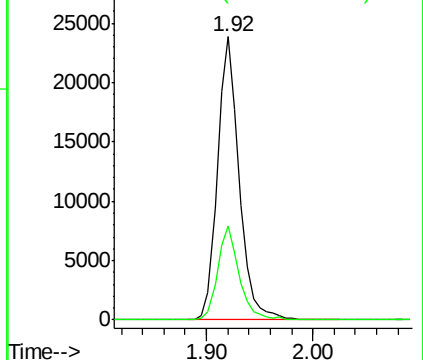
85 100

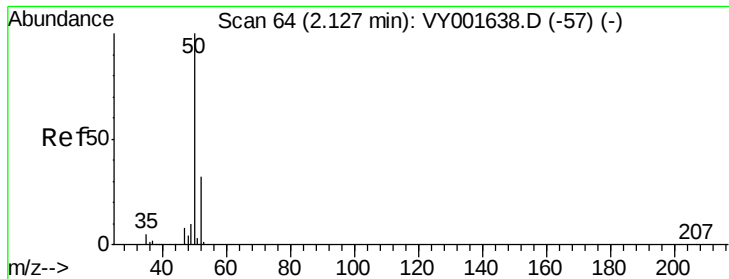
87 33.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001715.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001715.D (-1) (-)





#3

Chloromethane

Concen: 18.248 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 50 Resp: 47488

Ion Ratio Lower Upper

50 100

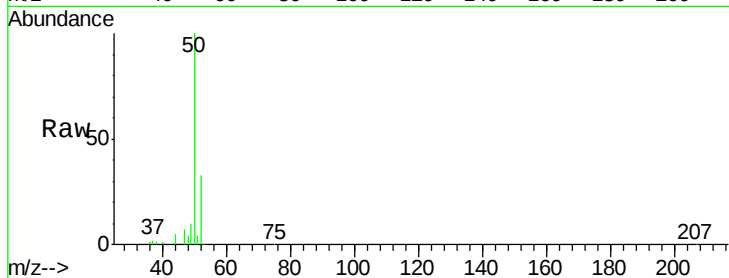
52 32.6 25.8 38.6

Manual Integrations

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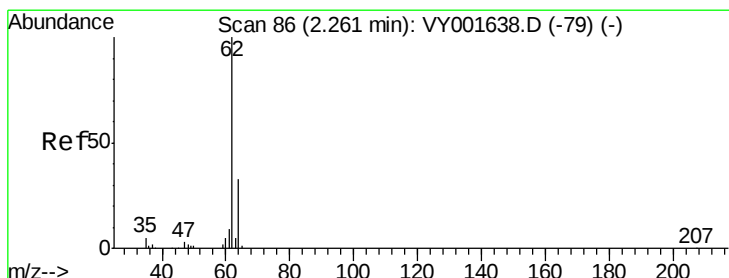
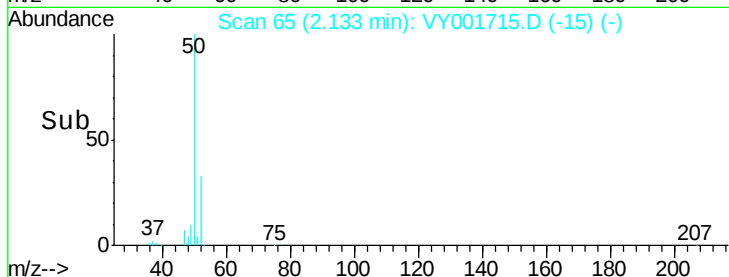
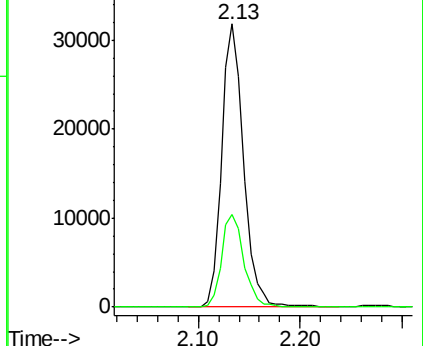
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.446 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001715.D

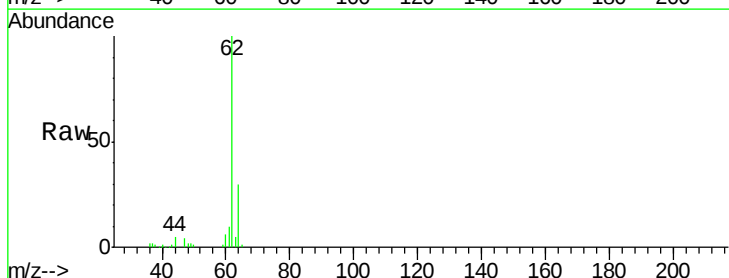
Acq: 20 Feb 2020 11:53

Tgt Ion: 62 Resp: 48417

Ion Ratio Lower Upper

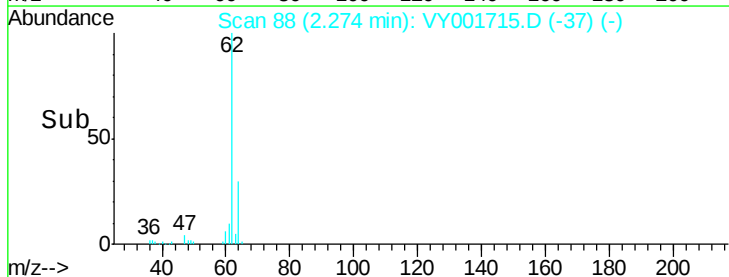
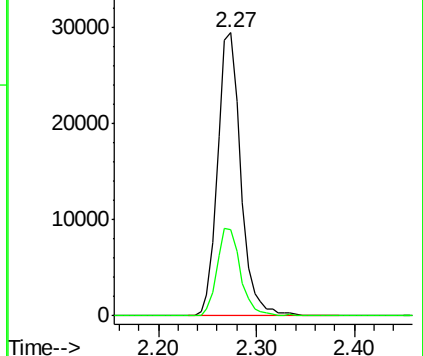
62 100

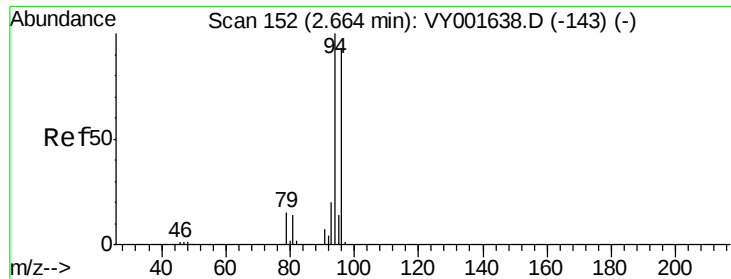
64 30.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.942 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 94 Resp: 32714

Ion Ratio Lower Upper

94 100

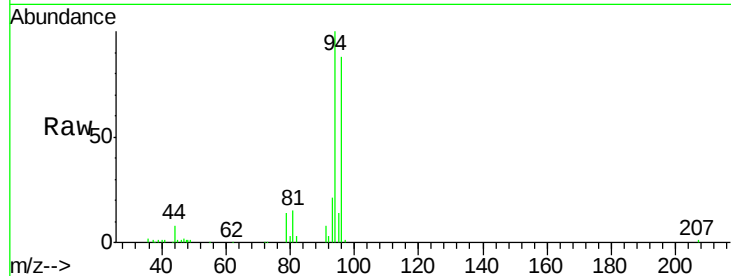
96 88.0 73.7 110.5

Manual Integrations

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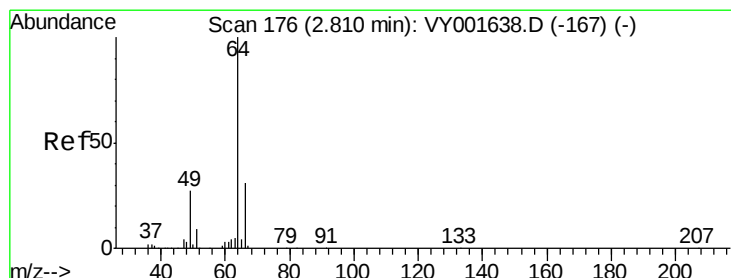
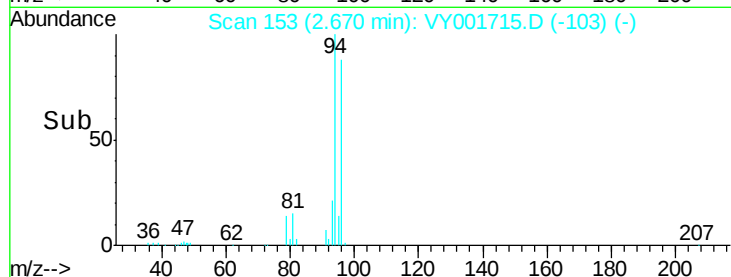
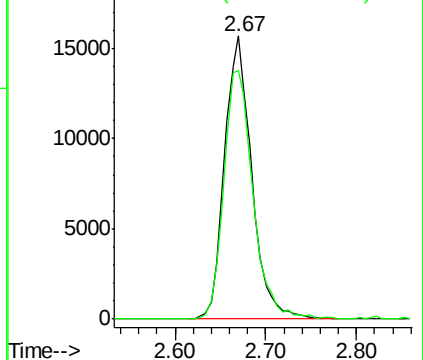
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.395 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001715.D

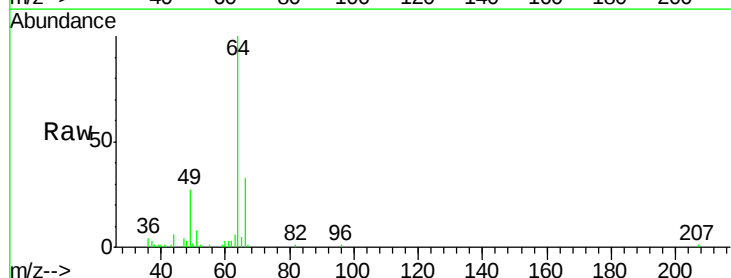
Acq: 20 Feb 2020 11:53

Tgt Ion: 64 Resp: 31370

Ion Ratio Lower Upper

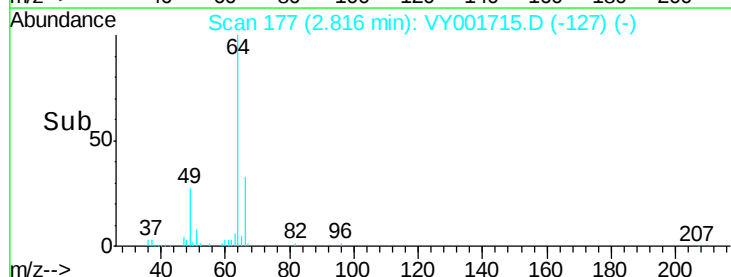
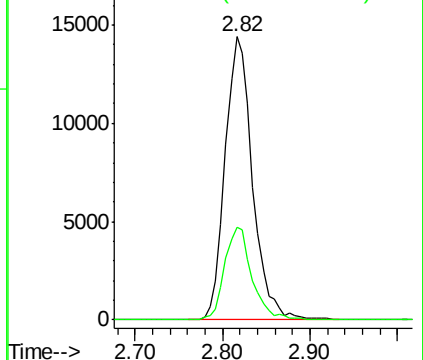
64 100

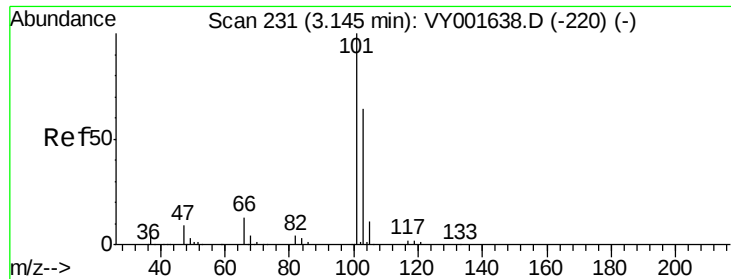
66 32.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

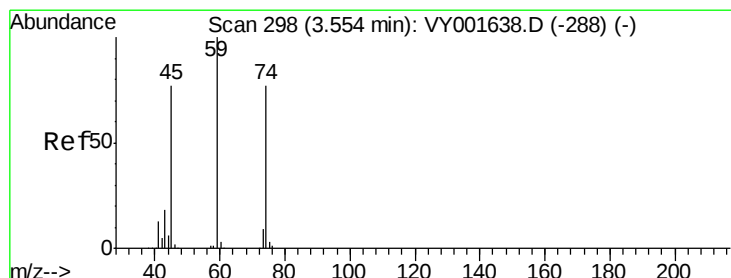
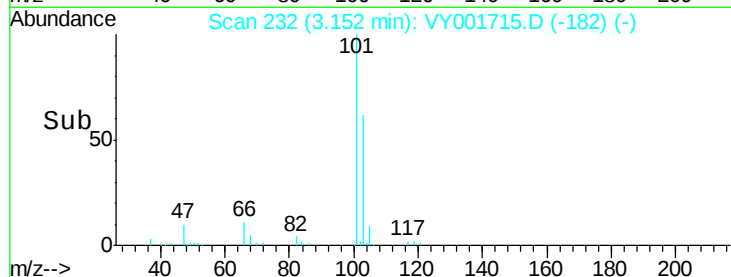
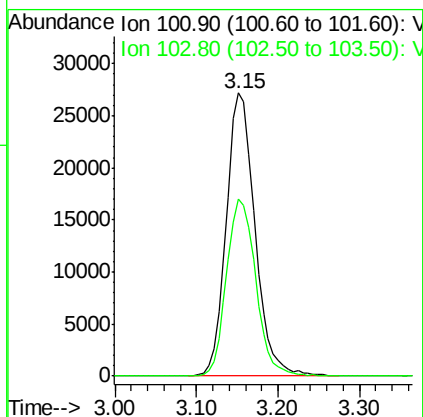
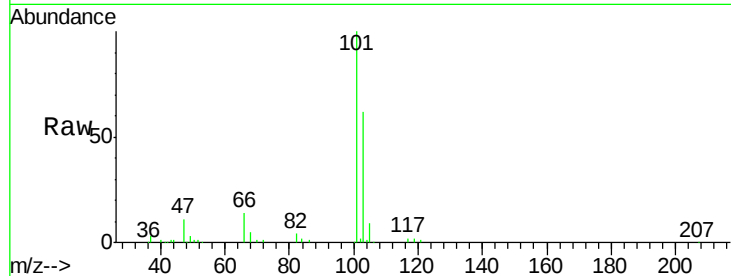
Trichlorofluoromethane
 Concen: 19.650 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	52.2	78.2

Manual Integrations
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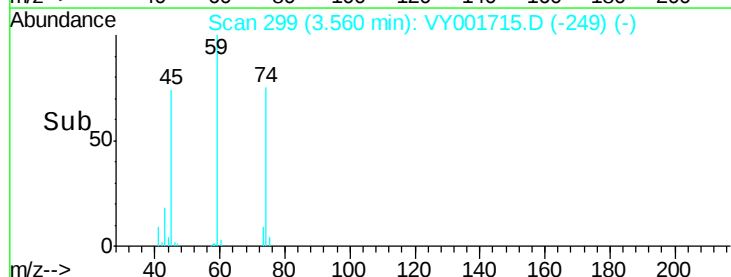
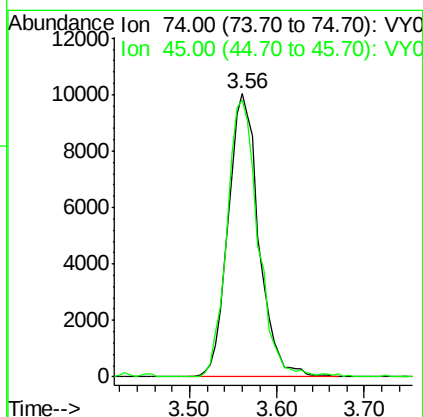
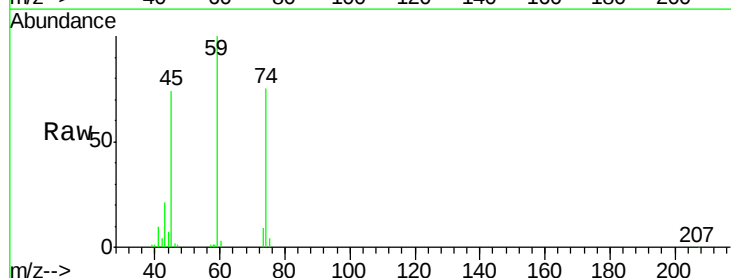
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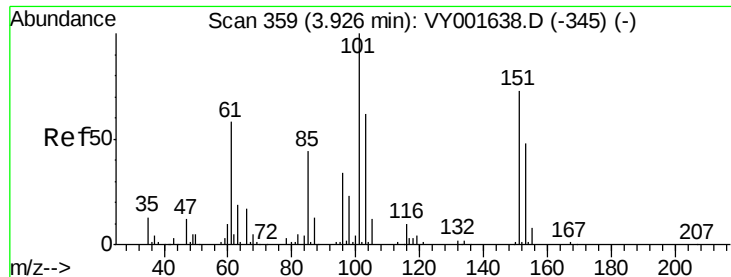


#8

Diethyl Ether
 Concen: 18.515 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.816 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

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MSVOA_Y

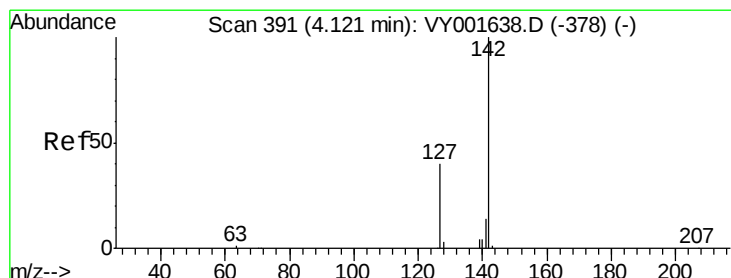
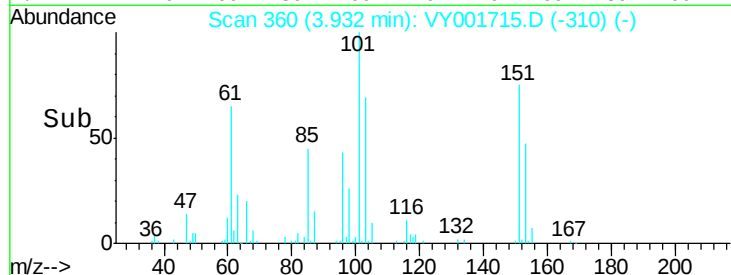
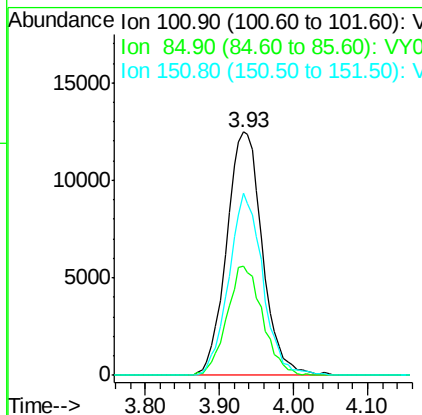
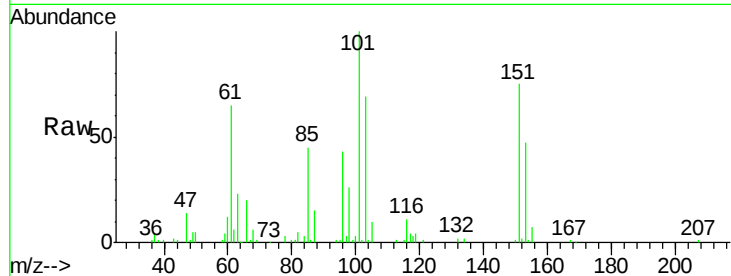
ClientSampleId :

VY0220SBS01

Tot Ion:	101	Resp:	41841
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	71.1	58.4	87.6

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#10

Methyl Iodide

Concen: 18.468 ug/l

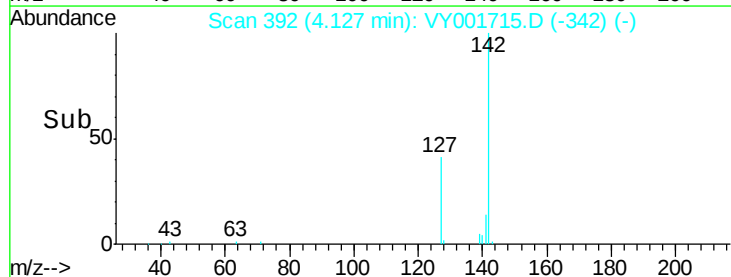
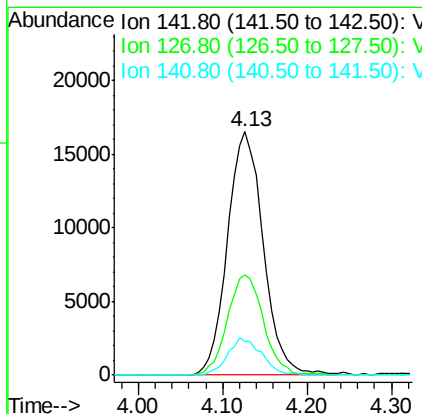
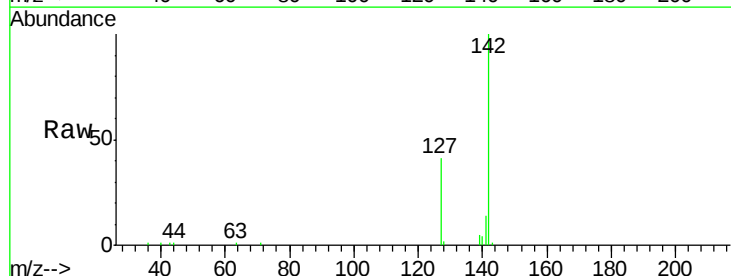
RT: 4.13 min Scan# 392

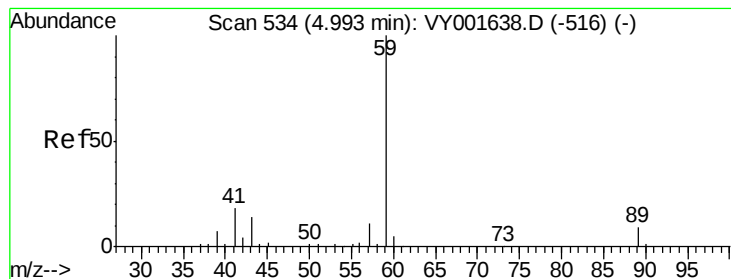
Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	142	Resp:	47725
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.1	48.1
141	14.3	11.3	16.9





#11

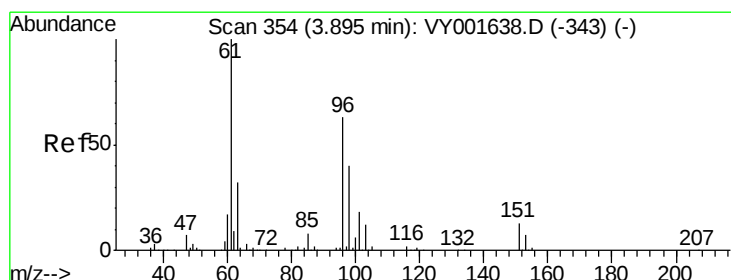
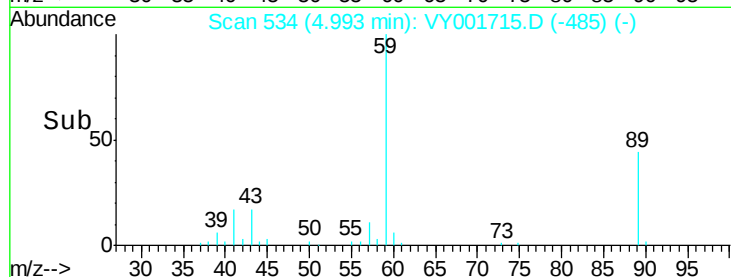
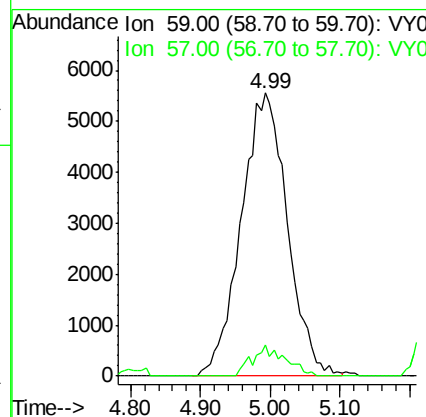
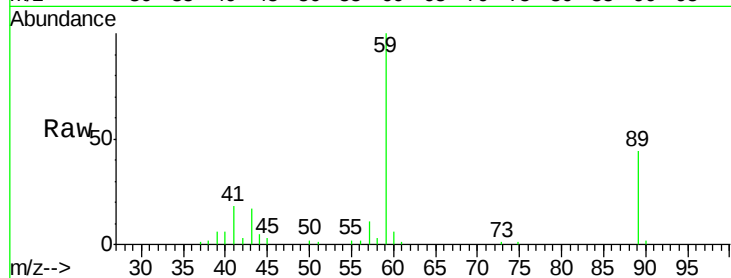
Tert butyl alcohol
Concen: 86.274 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion: 59 Resp: 25441
Ion Ratio Lower Upper
59 100
57 7.7 7.4 11.2

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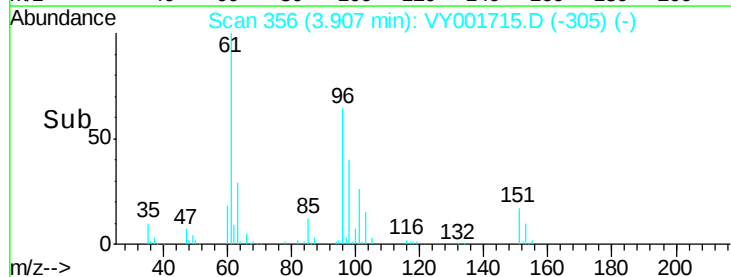
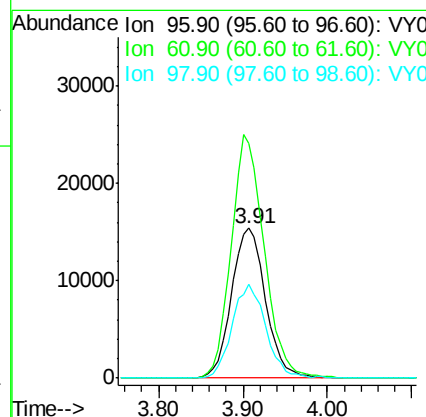
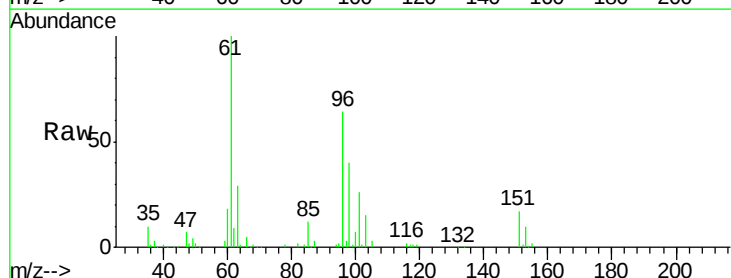
MMDadoda
2/21/2020 3:23:25 PM

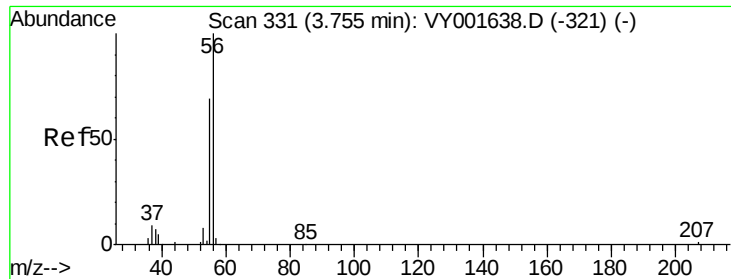


#12

1,1-Dichloroethene
Concen: 19.602 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion: 96 Resp: 42214
Ion Ratio Lower Upper
96 100
61 156.7 128.7 193.1
98 62.3 50.7 76.1





#13

Acrolein

Concen: 80.979 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 56 Resp: 17461

Ion Ratio Lower Upper

56 100

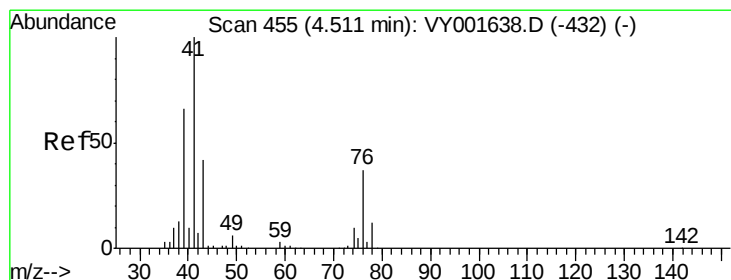
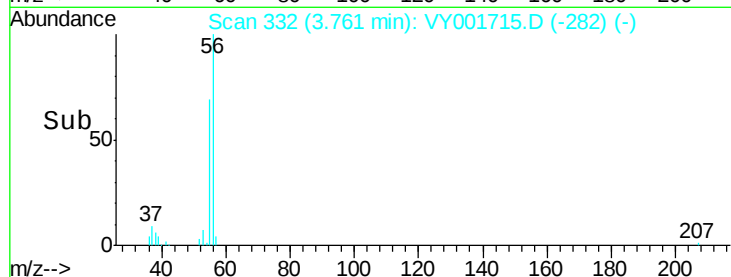
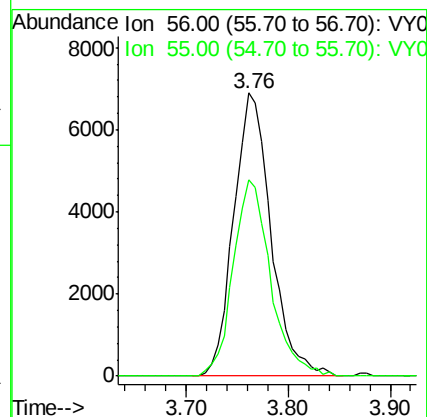
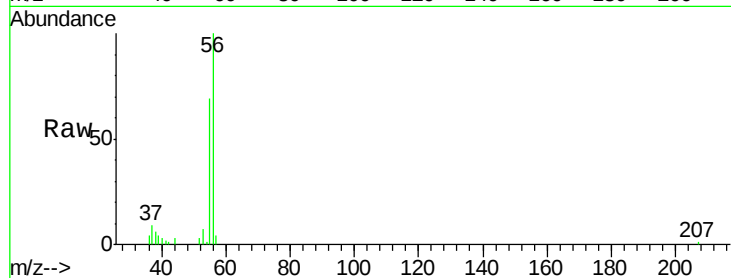
55 69.4 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.667 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

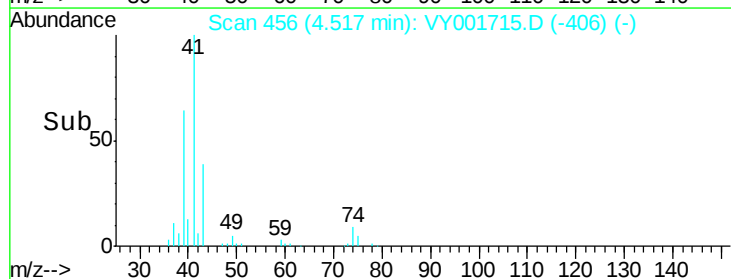
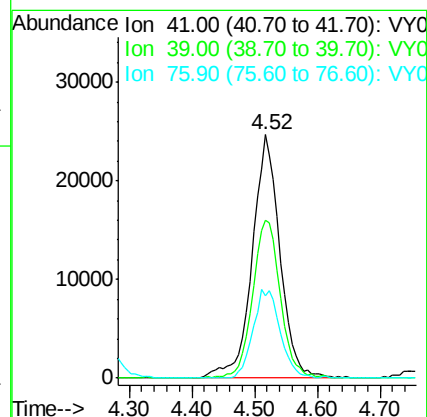
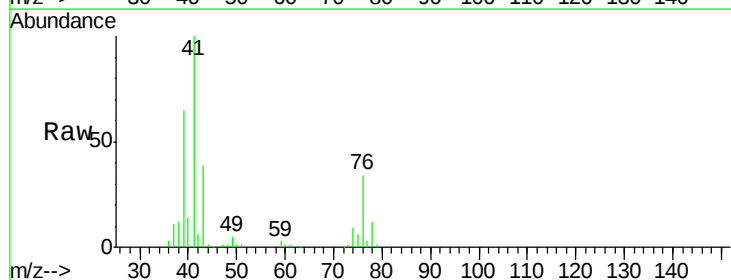
Tgt Ion: 41 Resp: 75379

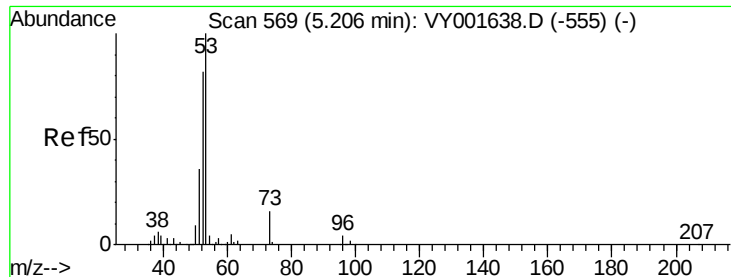
Ion Ratio Lower Upper

41 100

39 65.2 49.4 74.0

76 35.6 29.0 43.6





#15

Acrylonitrile

Concen: 87.189 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

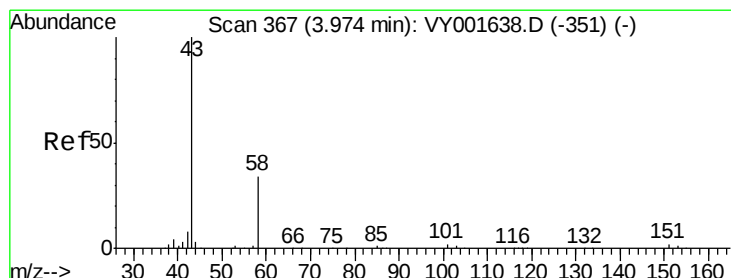
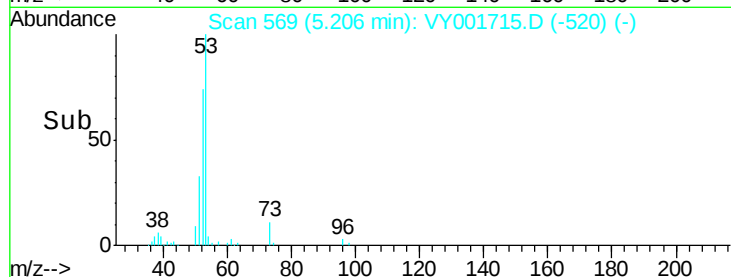
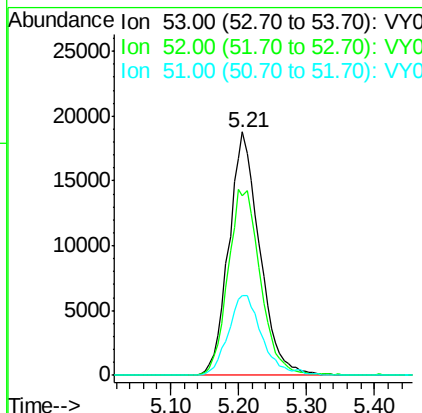
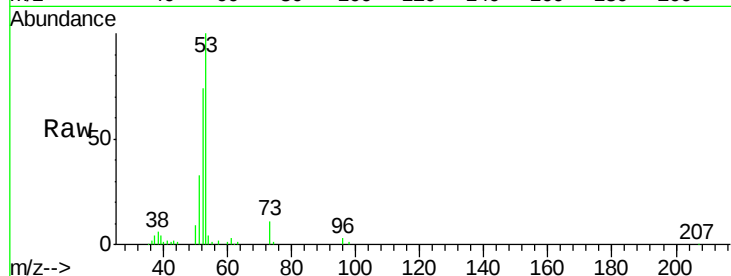
ClientSampleId :

VY0220SBS01

Tot Ion:	53	Resp:	59186
Ion Ratio	Lower	Upper	
53	100		
52	80.3	65.4	98.0
51	36.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 71.811 ug/l

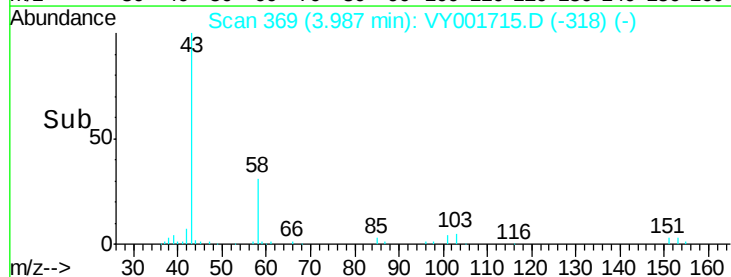
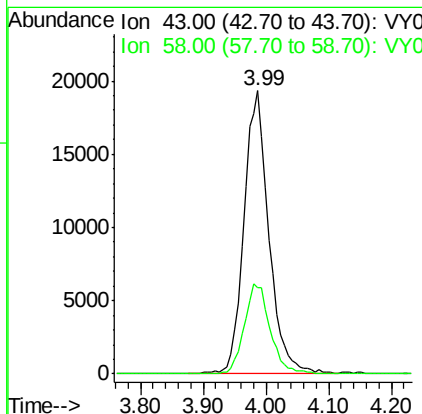
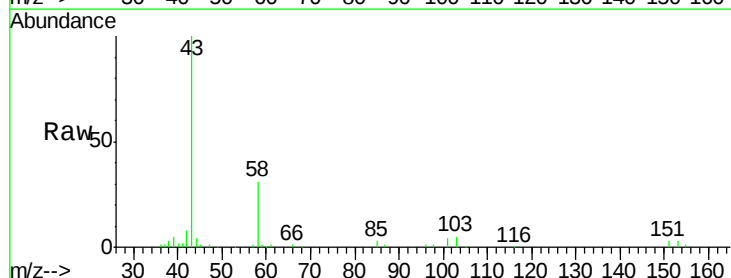
RT: 3.99 min Scan# 369

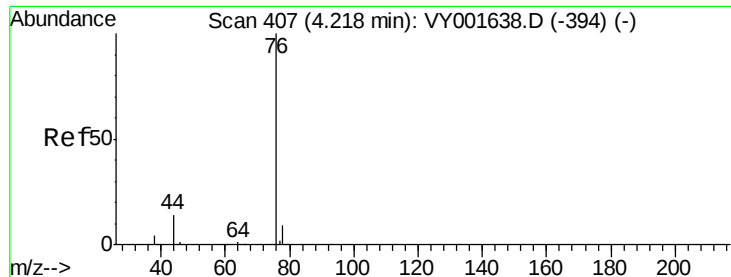
Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	43	Resp:	53049
Ion Ratio	Lower	Upper	
43	100		
58	30.7	27.3	40.9





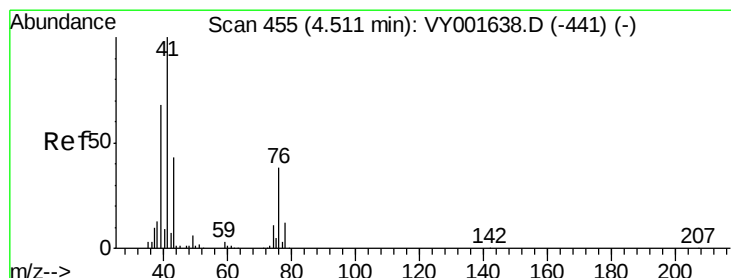
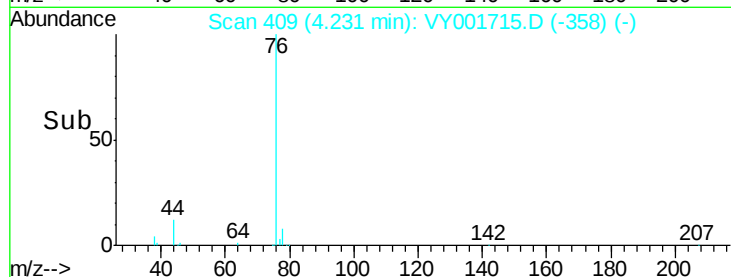
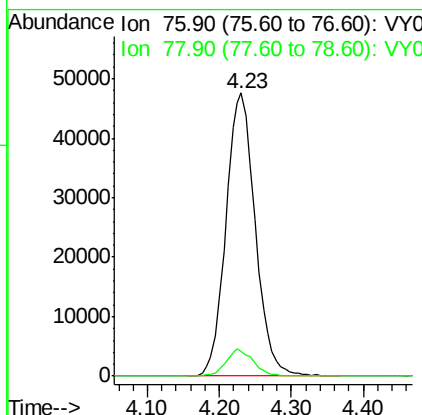
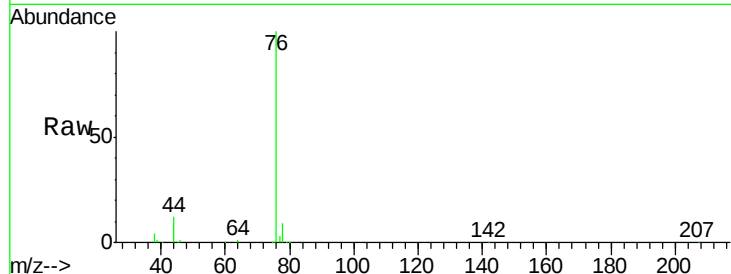
#17
Carbon Disulfide
Concen: 18.686 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

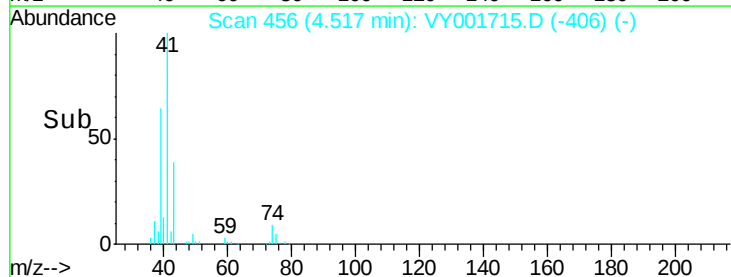
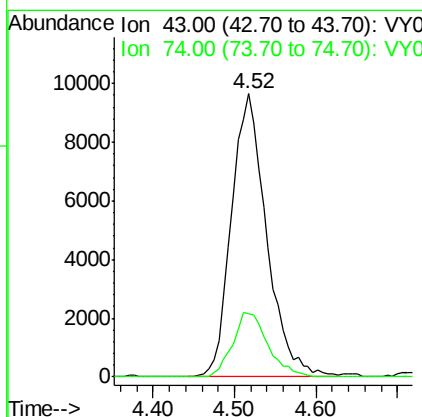
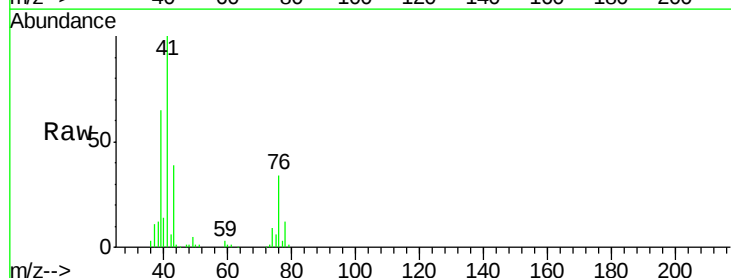
Manual Integrations
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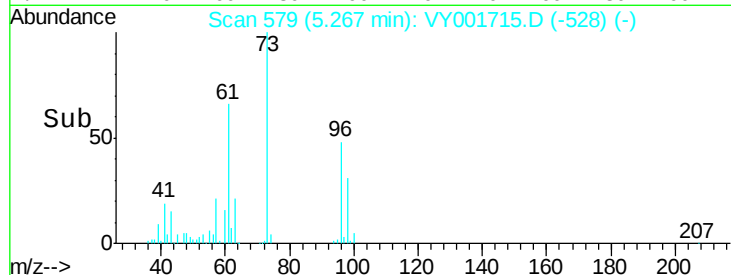
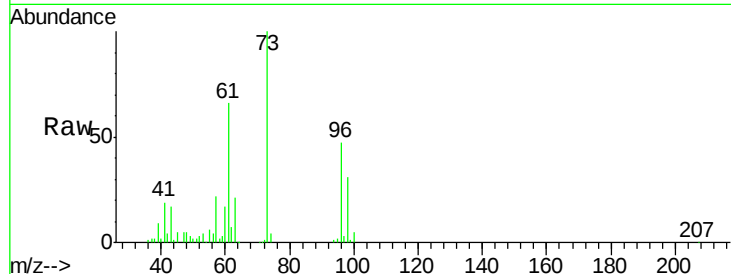
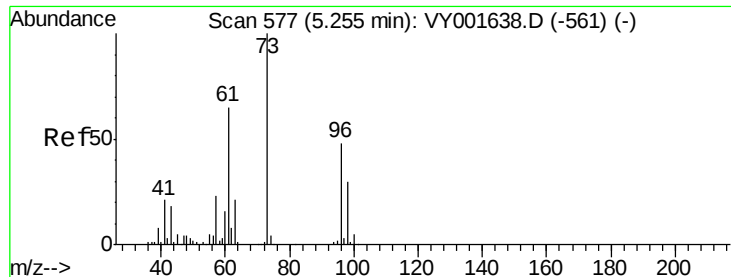
MMDadoda
2/21/2020 3:23:25 PM



#18
Methyl Acetate
Concen: 17.895 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.1	28.7





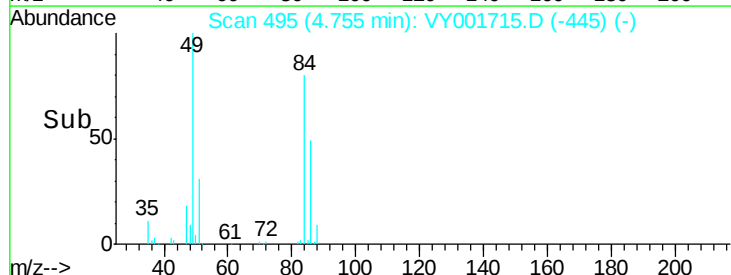
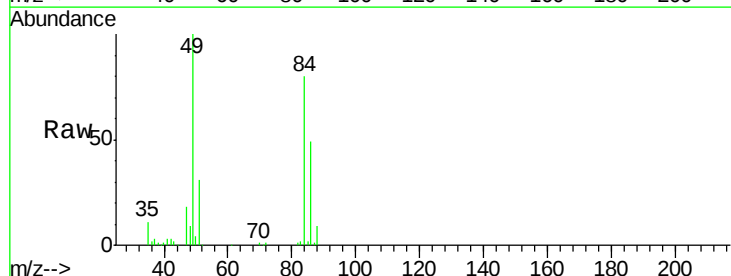
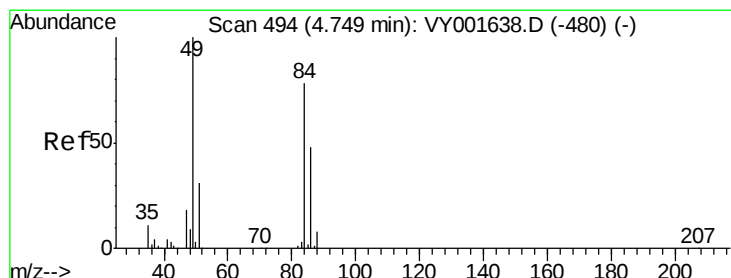
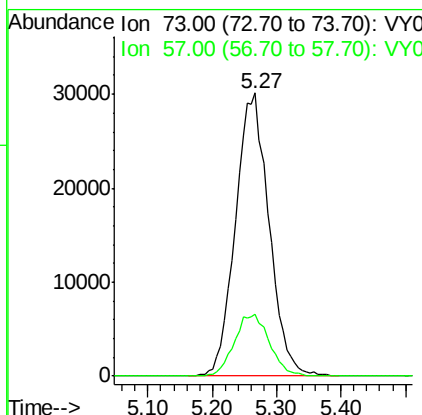
#19
Methvl tert-butvl Ether
Concen: 18.122 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tot Ion: 73 Resp: 108658
Ion Ratio Lower Upper
73 100
57 21.9 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

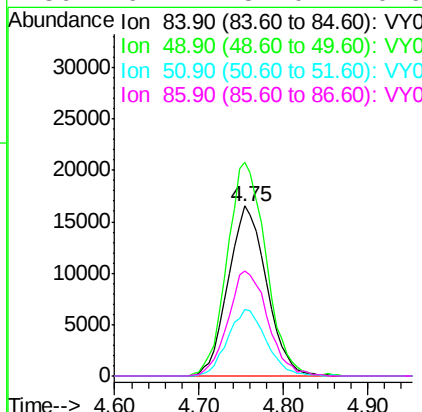
Manual Integrations
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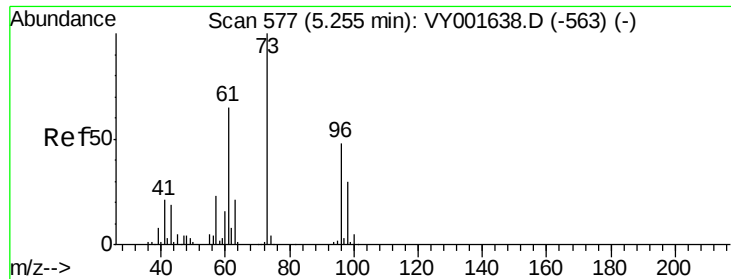
MMDadoda
2/21/2020 3:23:25 PM



#20
Methylene Chloride
Concen: 19.493 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion: 84 Resp: 51149
Ion Ratio Lower Upper
84 100
49 125.7 99.2 148.8
51 39.1 31.5 47.3
86 61.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.534 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

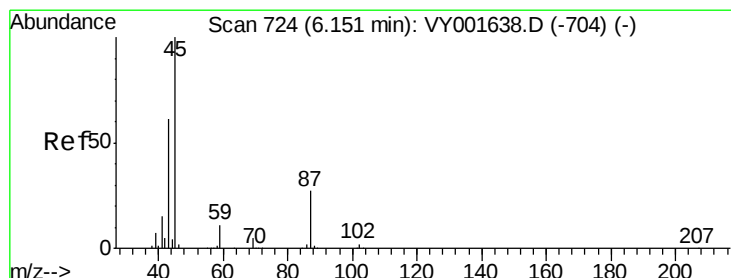
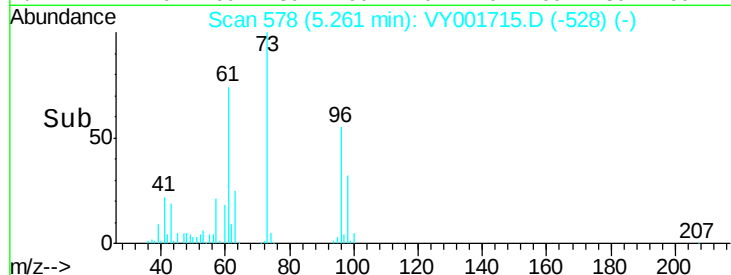
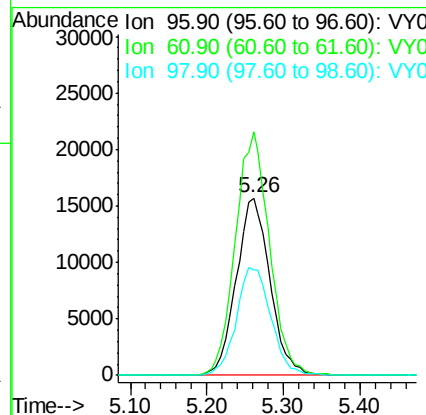
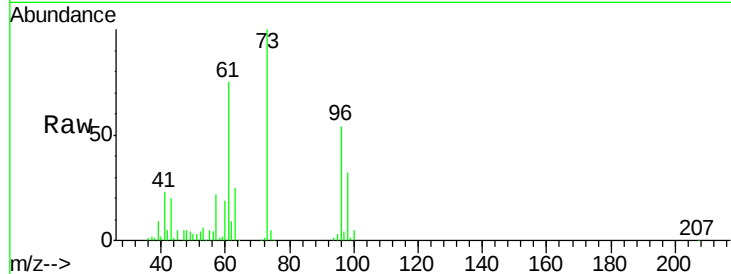
ClientSampleId :

VY0220SBS01

Tot Ion:	96	Resp:	47997
Ion	Ratio	Lower	Upper
96	100		
61	137.0	107.9	161.9
98	59.0	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.521 ug/l

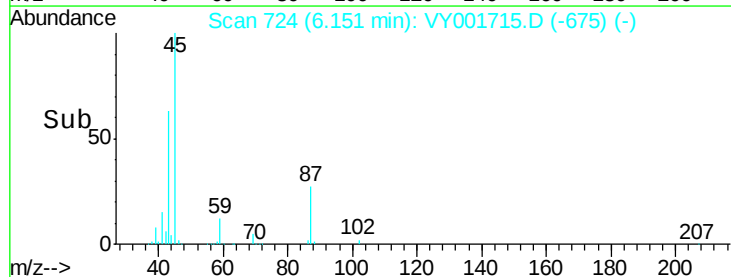
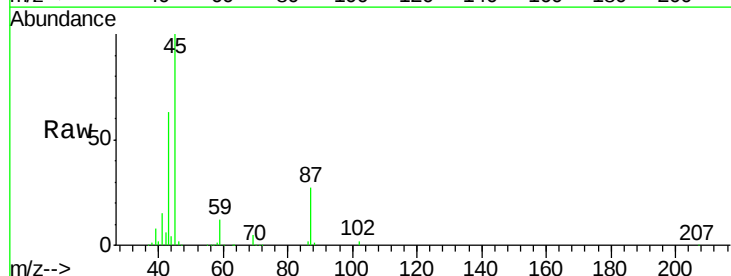
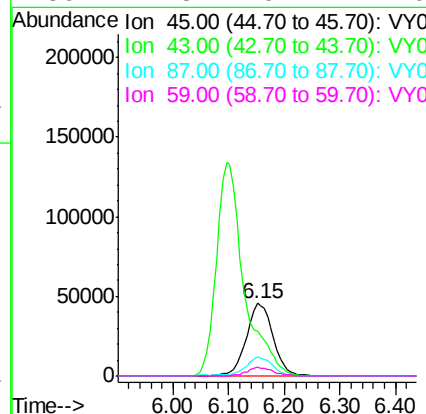
RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	45	Resp:	153653
Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.4	69.6
87	26.6	22.1	33.1
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 89.861 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 43 Resp: 461366

Ion Ratio Lower Upper

43 100

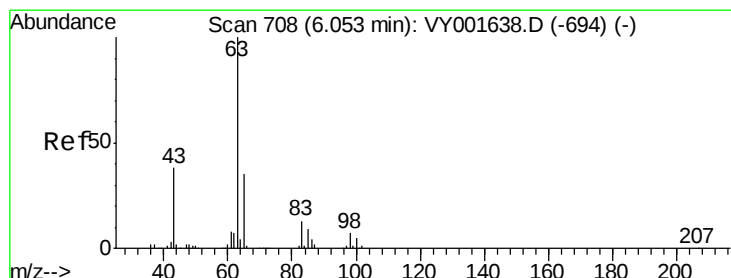
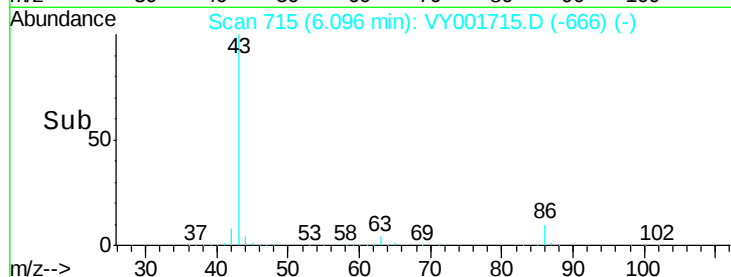
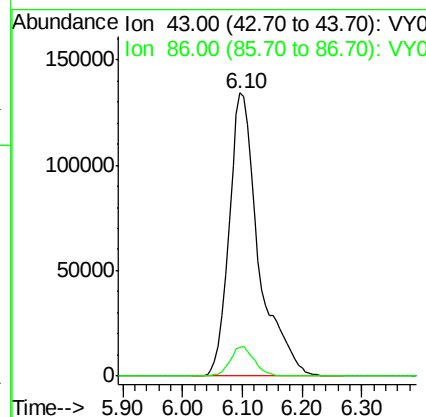
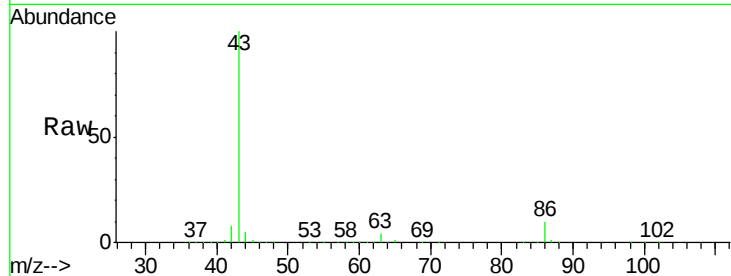
86 10.3 8.8 13.2

Manual Integrations

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MMDadoda

2/21/2020 3:23:25 PM



#24

1,1-Dichloroethane

Concen: 19.874 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

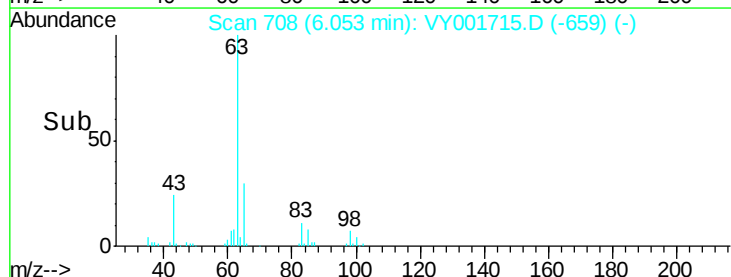
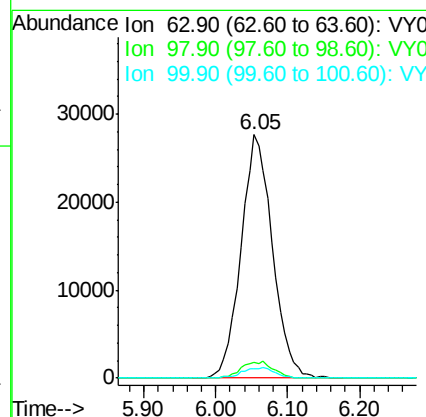
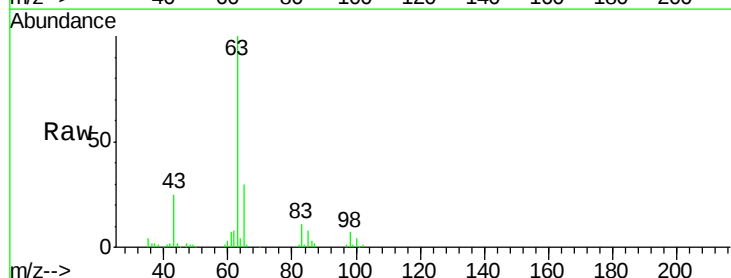
Tgt Ion: 63 Resp: 83610

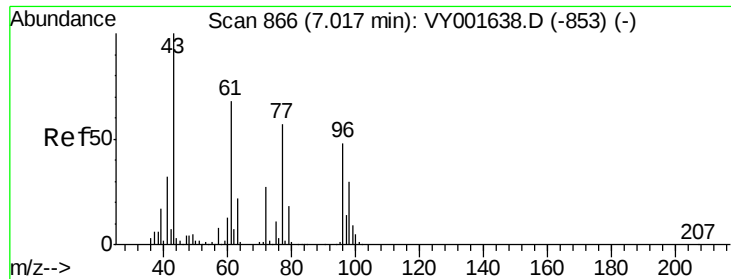
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 77.888 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 43 Resp: 78164

Ion Ratio Lower Upper

43 100

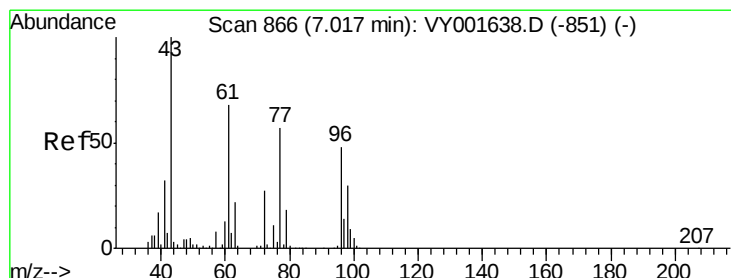
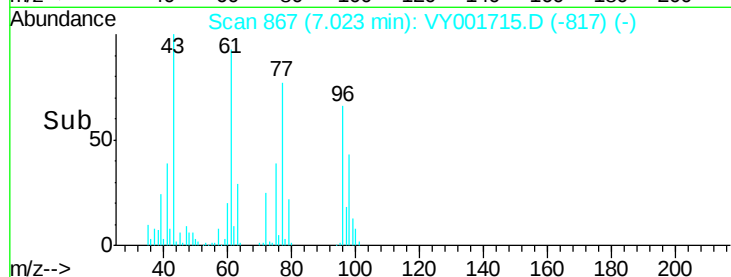
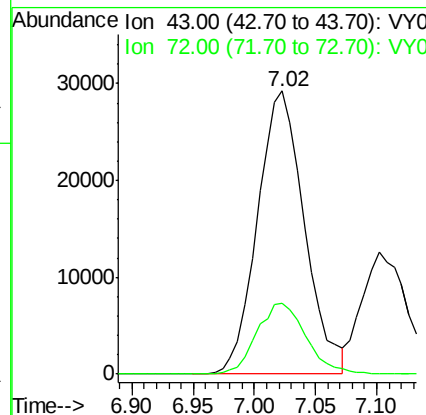
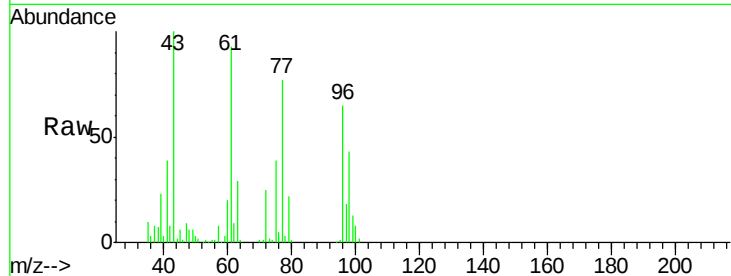
72 24.9 21.2 31.8

Manual Integrations

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MMDadoda

2/21/2020 3:23:25 PM



#26

2,2-Dichloropropane

Concen: 19.817 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001715.D

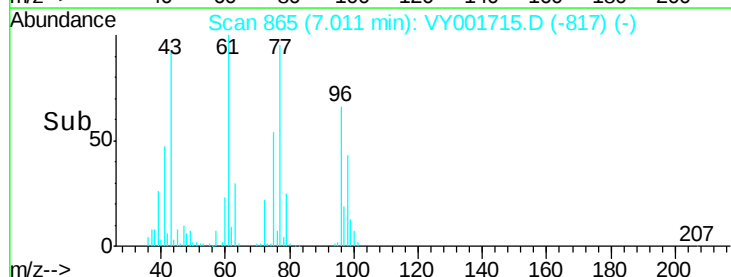
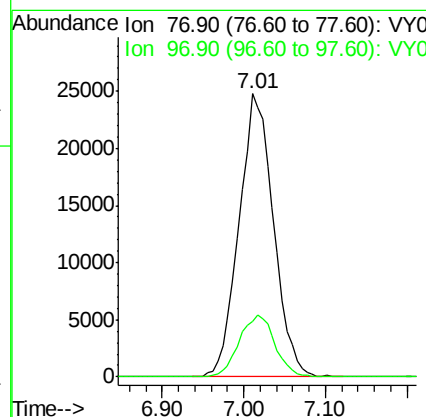
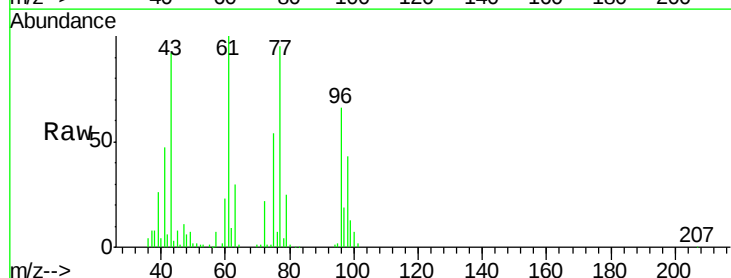
Acq: 20 Feb 2020 11:53

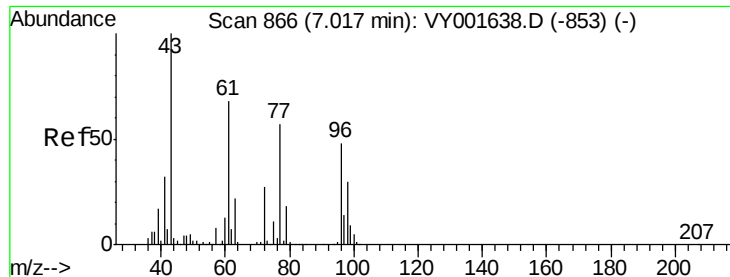
Tgt Ion: 77 Resp: 72534

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.4





#27

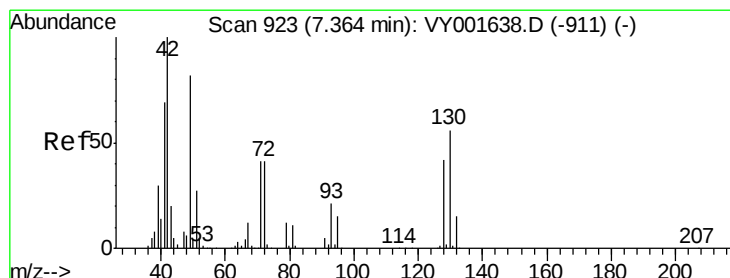
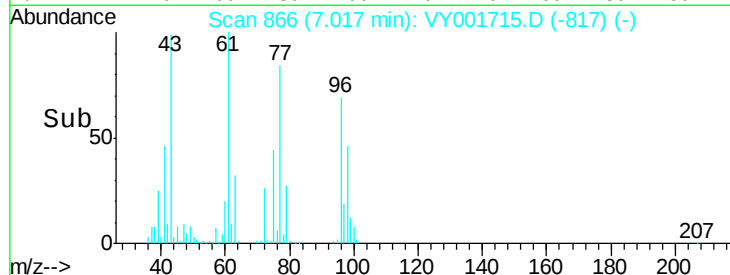
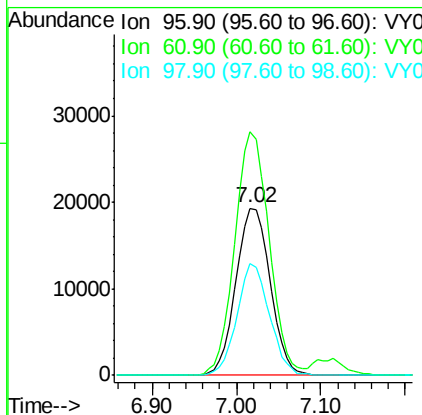
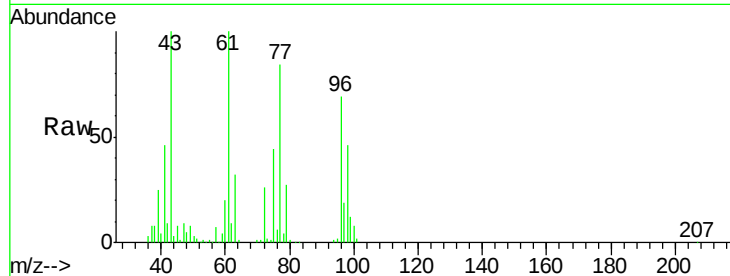
cis-1,2-Dichloroethene
Concen: 19.694 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.2	0.0	290.8	
98	62.9	0.0	128.6	

Manual Integrations
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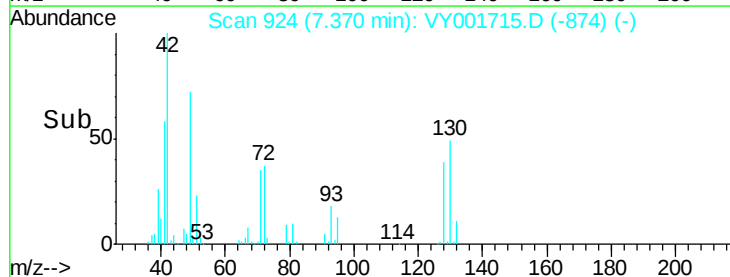
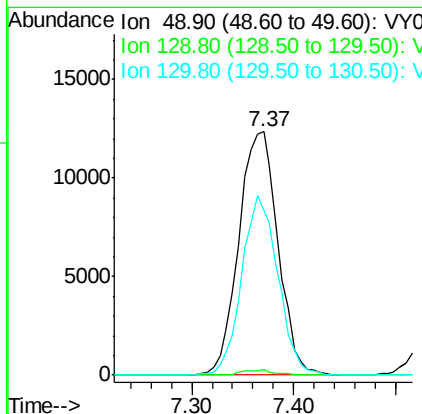
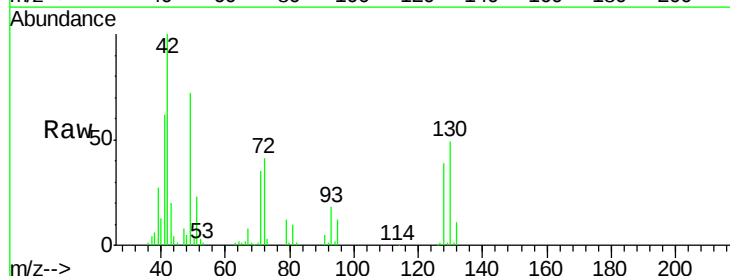
MMDadoda
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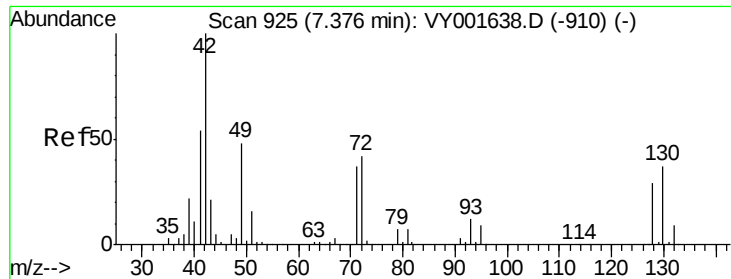


#28

Bromochloromethane
Concen: 18.796 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	68.3	56.2	84.4	





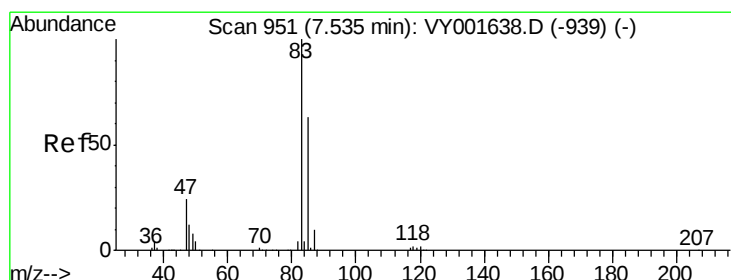
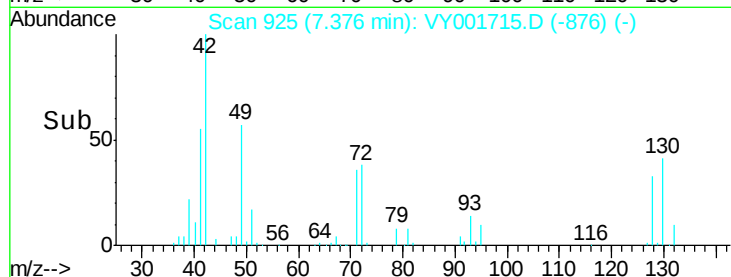
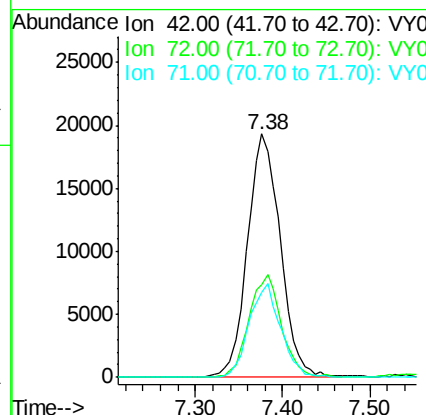
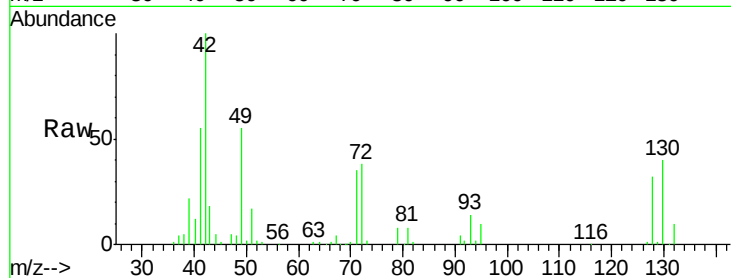
#29
Tetrahydrofuran
Concen: 83.299 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.4	51.6
71	37.1	31.8	47.8

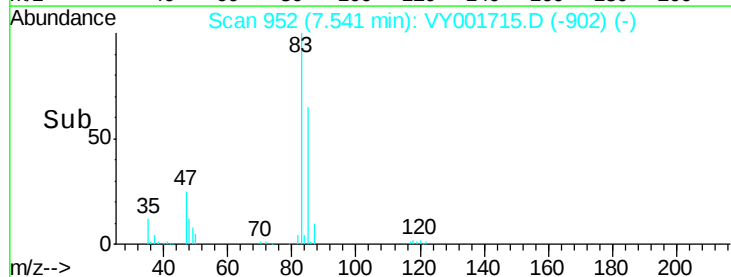
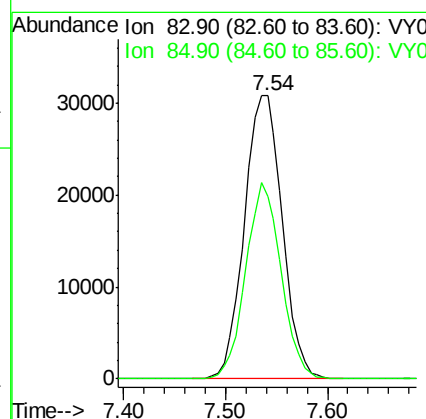
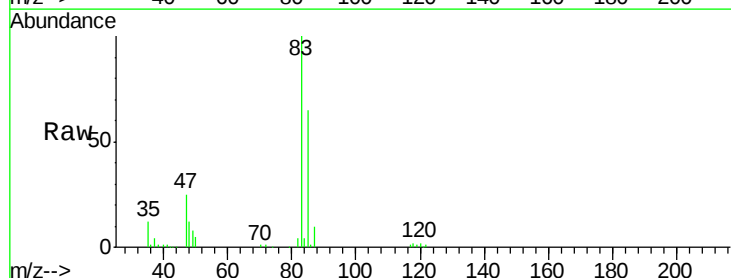
Manual Integrations
APPROVED

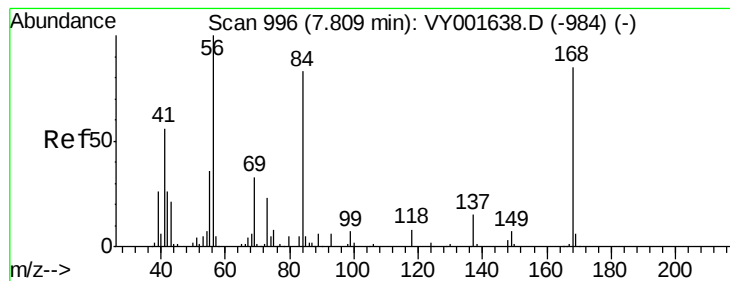
MMDadoda
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#30
Chloroform
Concen: 19.336 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4





#31

Cyclohexane

Concen: 19.226 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

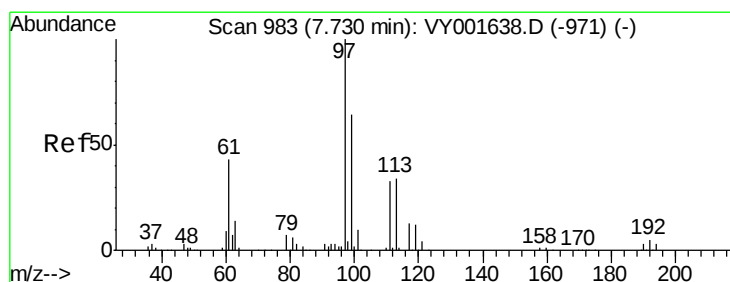
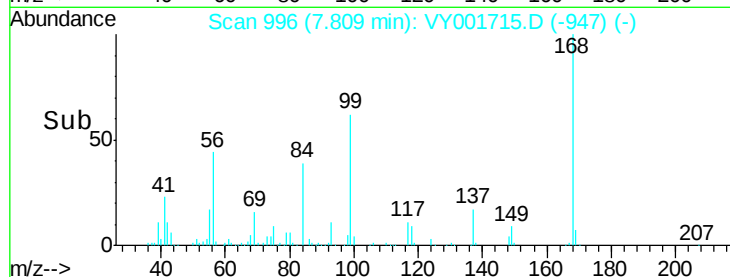
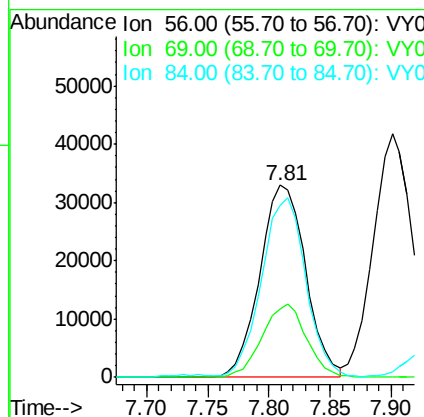
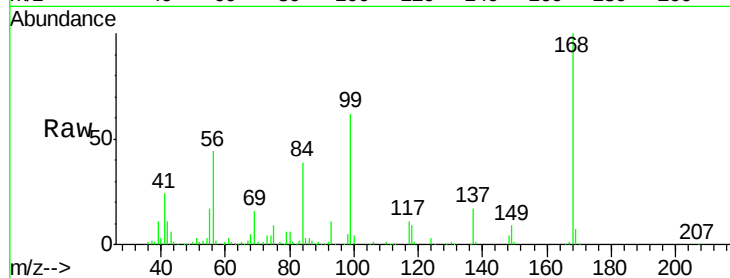
ClientSampleId :

VY0220SBS01

Tot Ion:	56	Resp:	86238
Ion Ratio	Lower	Upper	
56	100		
69	35.5	25.1	37.7
84	88.9	66.9	100.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.885 ug/l

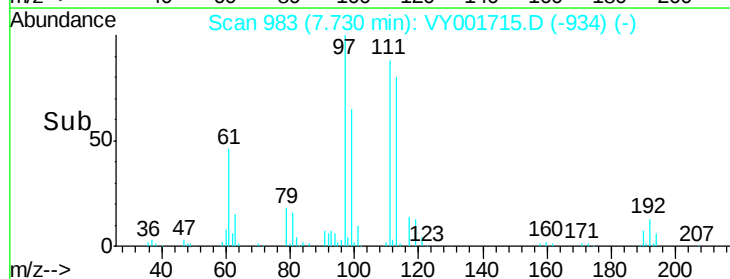
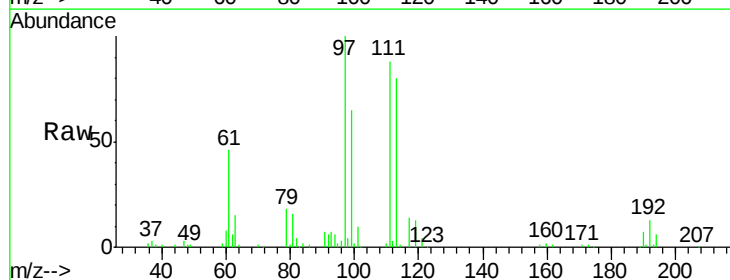
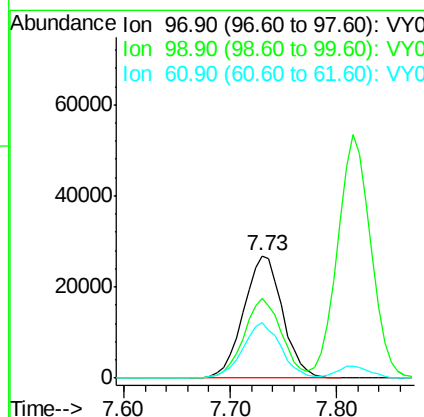
RT: 7.73 min Scan# 983

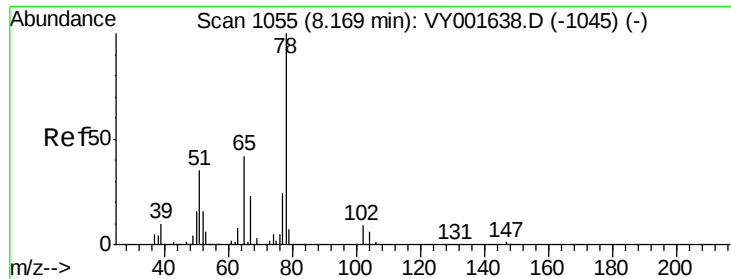
Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	97	Resp:	68698
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.2	76.8
61	44.3	35.0	52.6





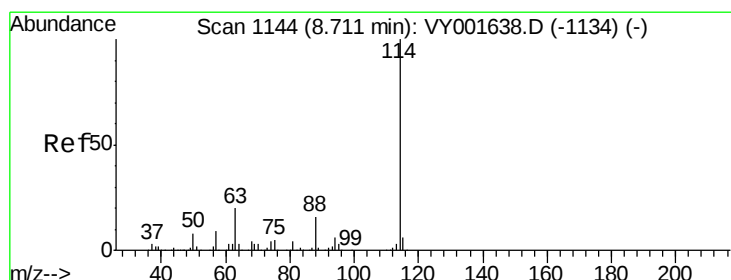
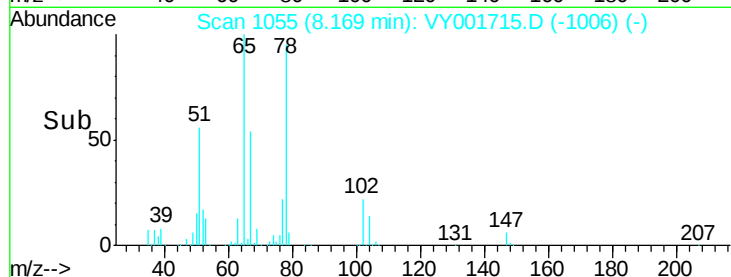
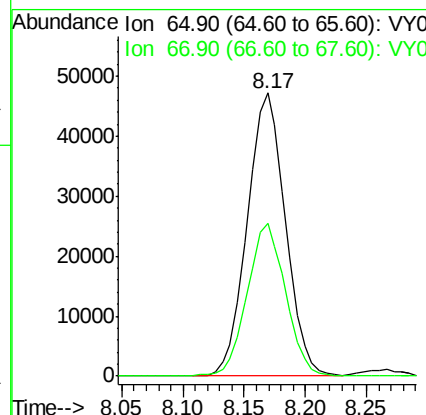
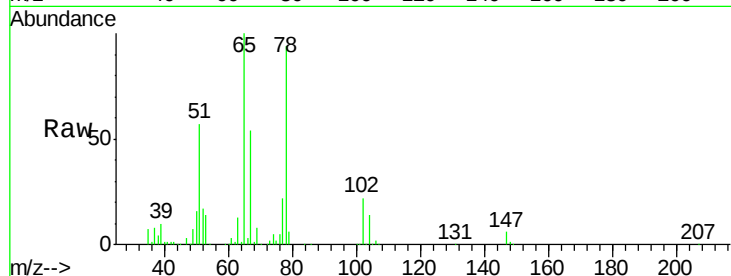
#33
 1,2-Dichloroethane-d4
 Concen: 48.010 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102501		
67	53.9	0.0	111.0	

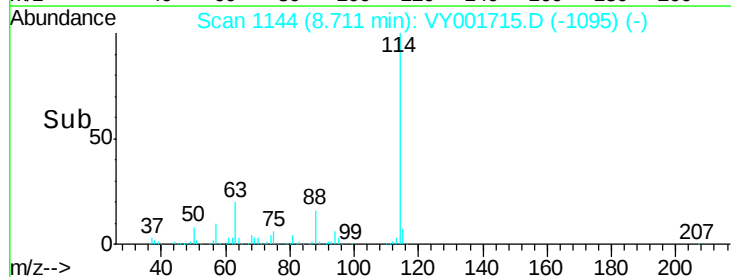
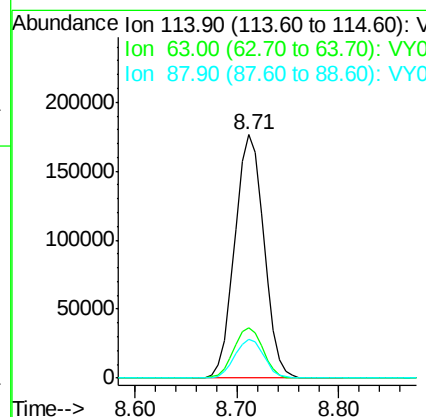
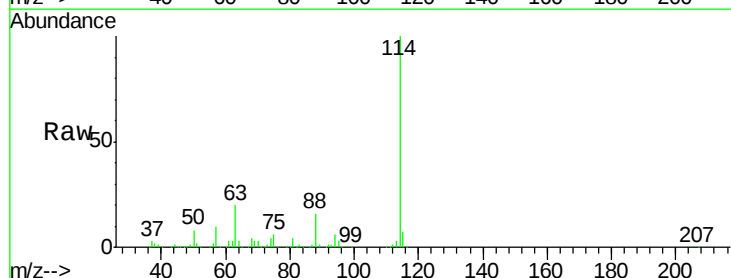
Manual Integrations
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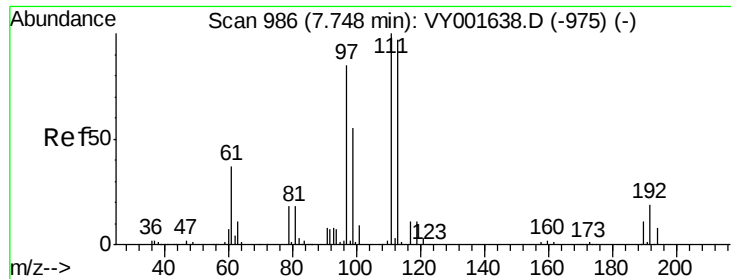
MMDadoda
 2/21/2020 3:23:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347767		
63	20.4	0.0	41.4	
88	16.0	0.0	32.8	





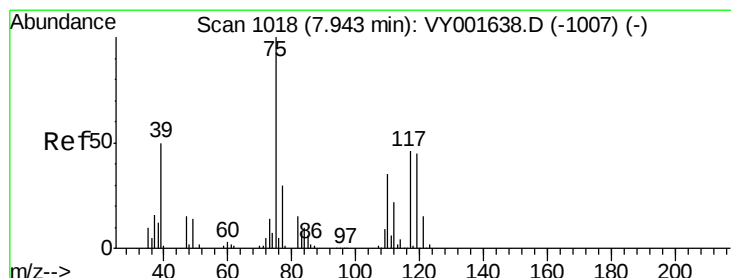
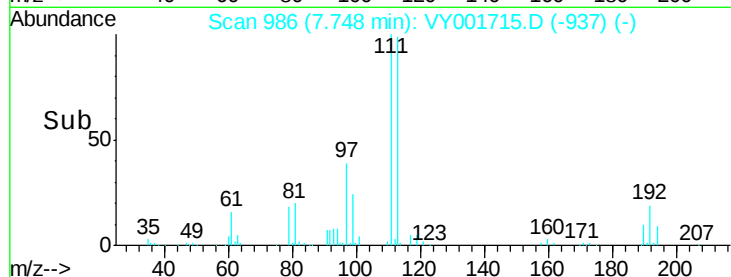
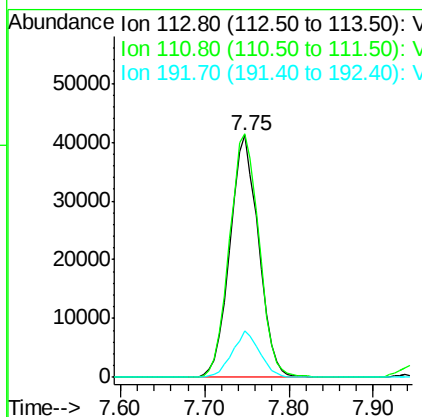
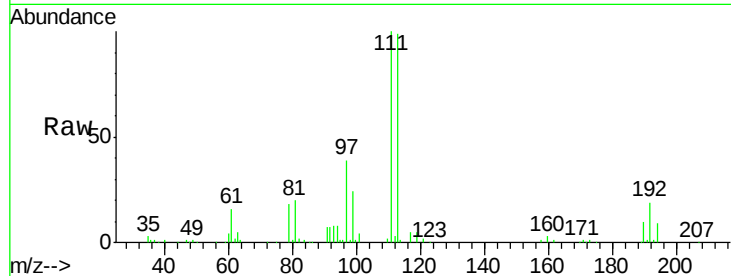
#35
 Dibromofluoromethane
 Concen: 47.490 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	81.9	122.9	
192	18.4	14.3	21.5	

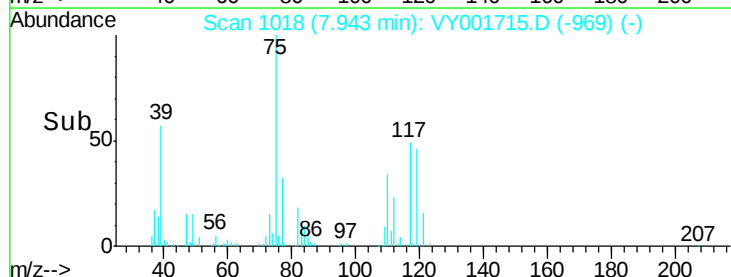
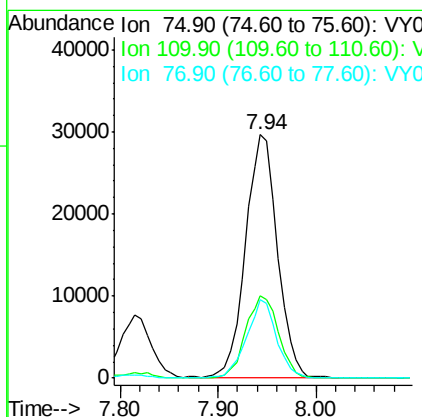
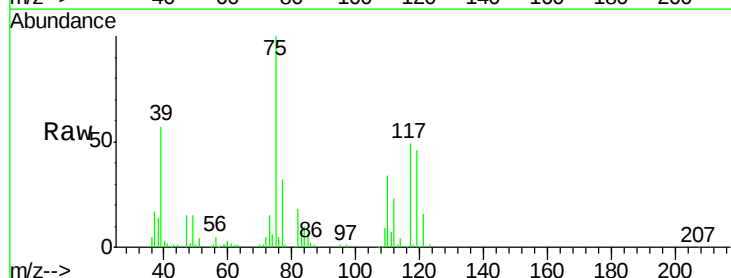
Manual Integrations
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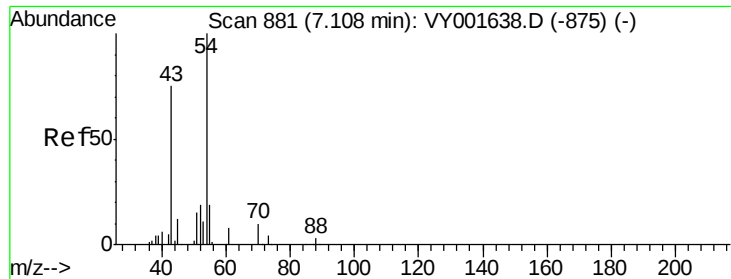
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#36
 1,1-Dichloropropene
 Concen: 20.212 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.5	17.2	51.6	
77	30.2	24.8	37.2	





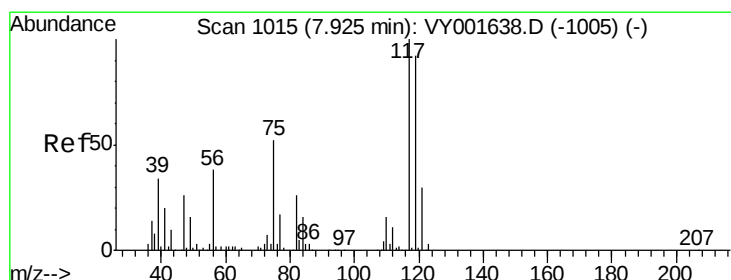
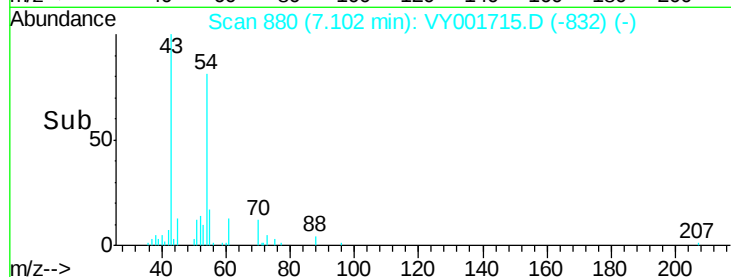
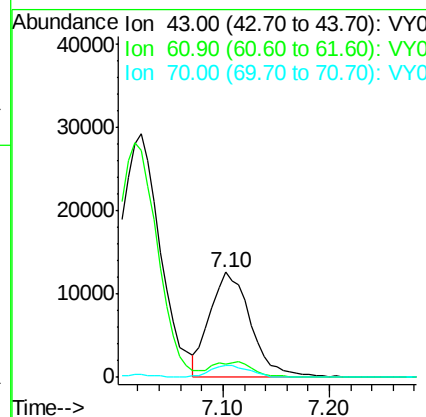
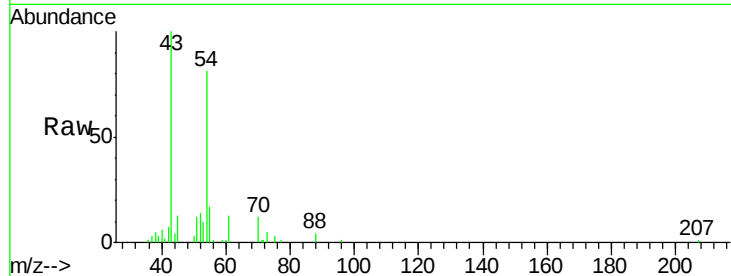
#37
Ethyl Acetate
Concen: 17.023 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	10.8	8.8	13.2

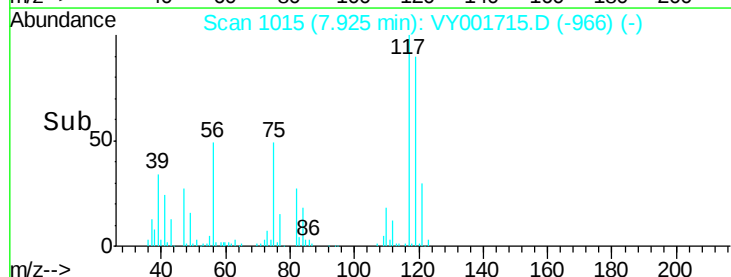
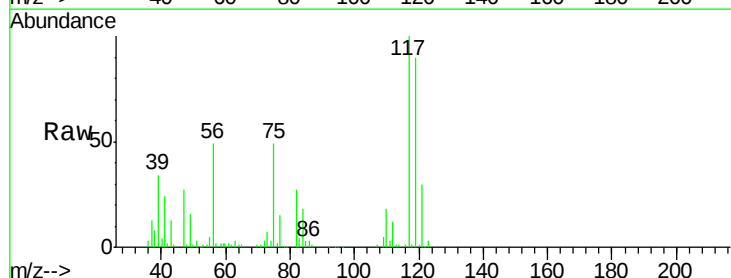
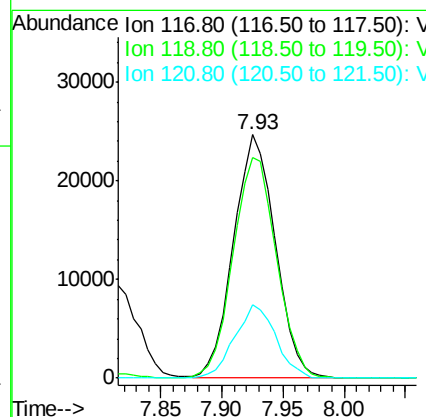
Manual Integrations
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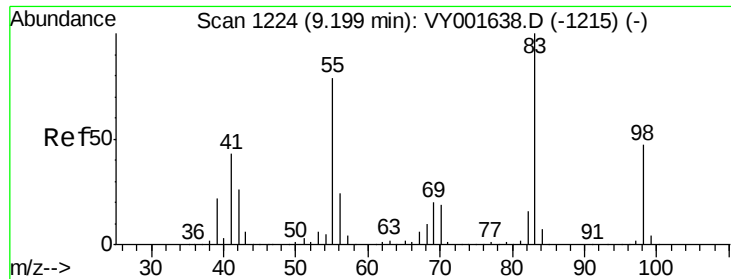
MMDadoda
2/21/2020 3:23:25 PM



#38
Carbon Tetrachloride
Concen: 20.050 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.8	112.2
121	29.9	23.8	35.6





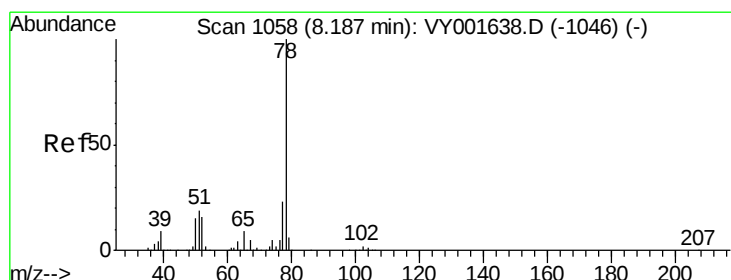
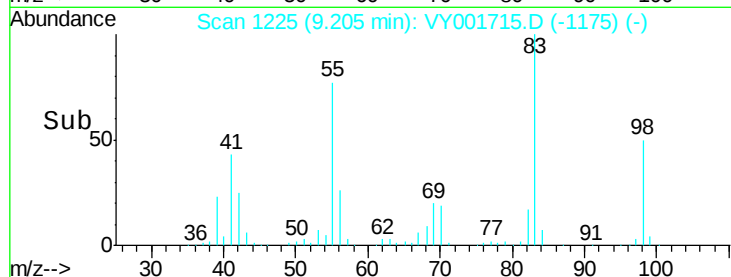
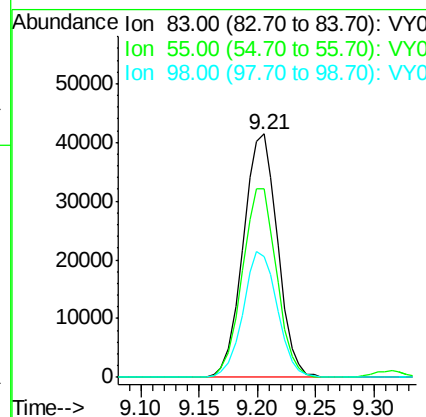
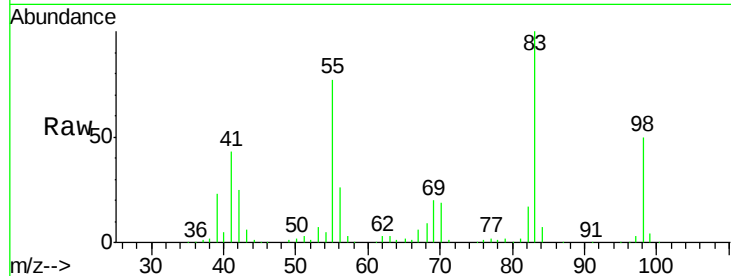
#39
Methvlcvclohexane
Concen: 19.328 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.3	91.9
98	49.8	38.0	57.0

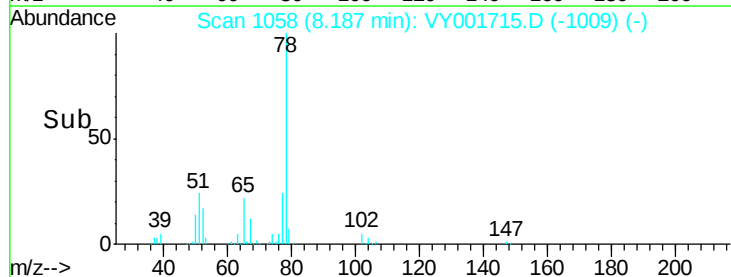
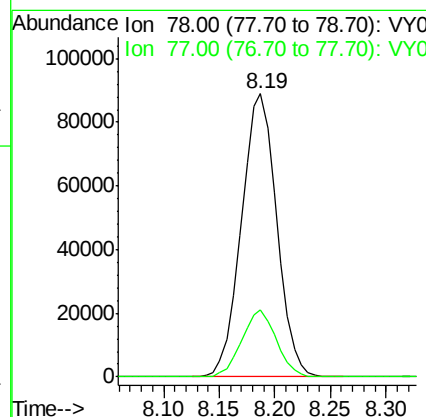
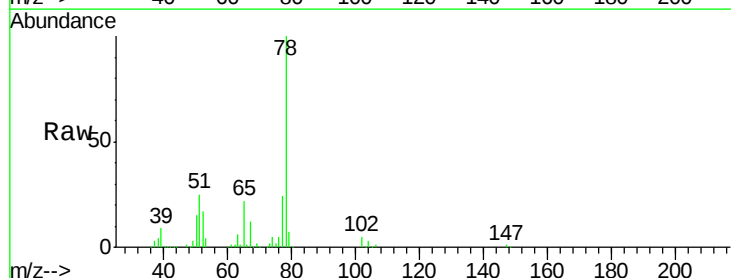
Manual Integrations
APPROVED

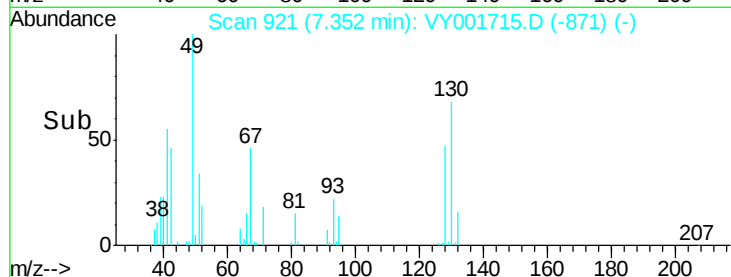
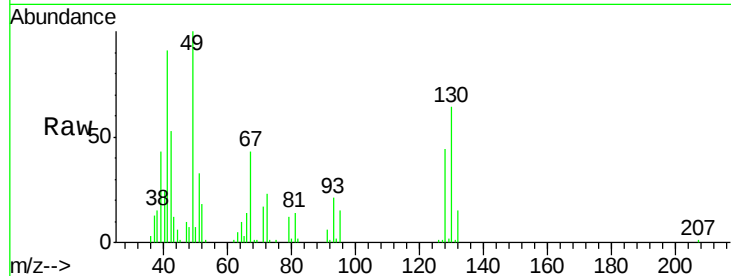
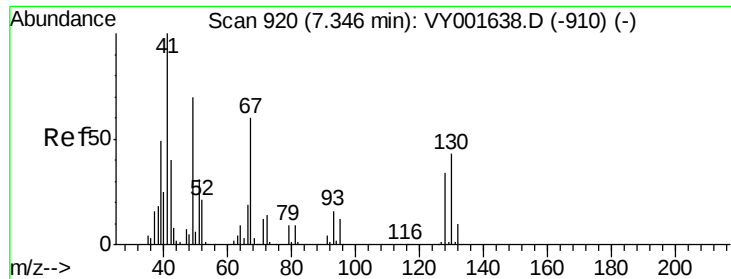
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#40
Benzene
Concen: 20.079 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.4





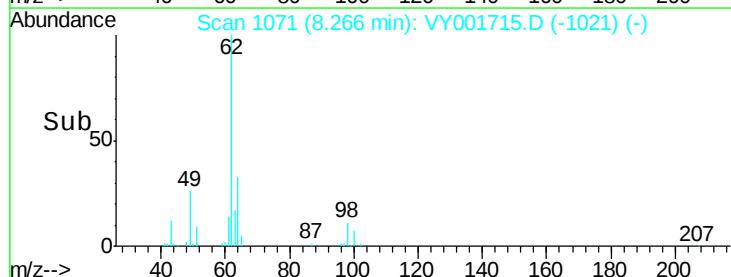
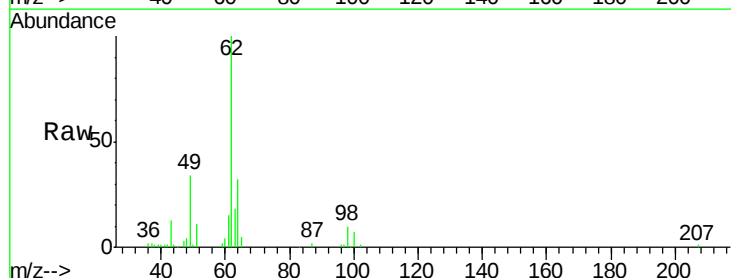
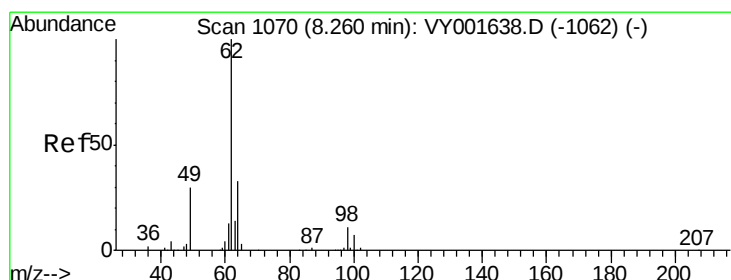
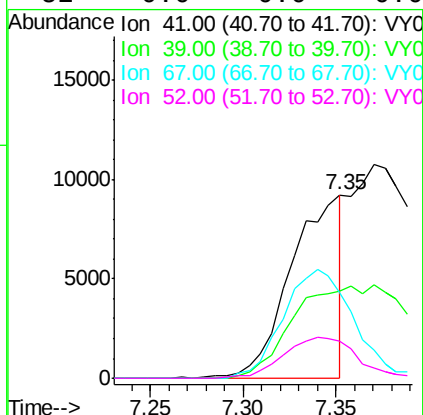
#41
Methacrylonitrile
Concen: 18.071 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		17990		
39	117.3	36.0	54.0#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

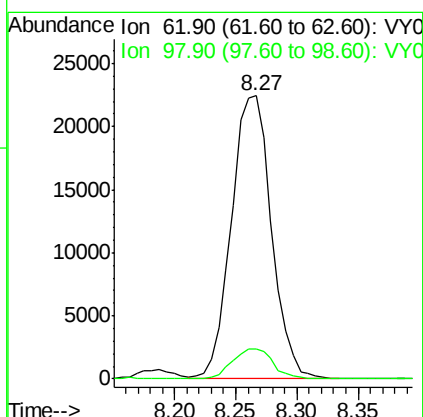
Manual Integrations
APPROVED

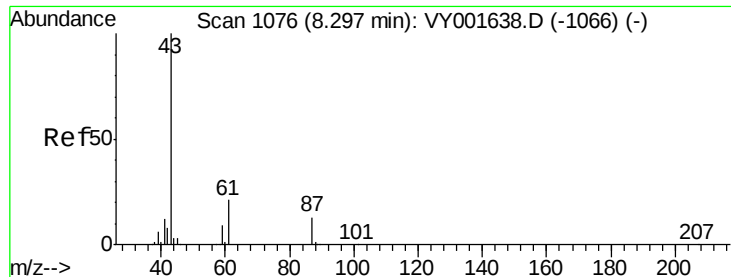
MMDadoda
2/21/2020 3:23:25 PM



#42
1,2-Dichloroethane
Concen: 19.201 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		51105		
98	10.7	0.0	20.8		





#43

Isopropyl Acetate

Concen: 17.411 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

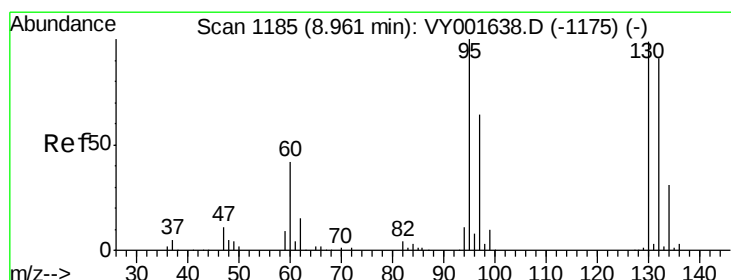
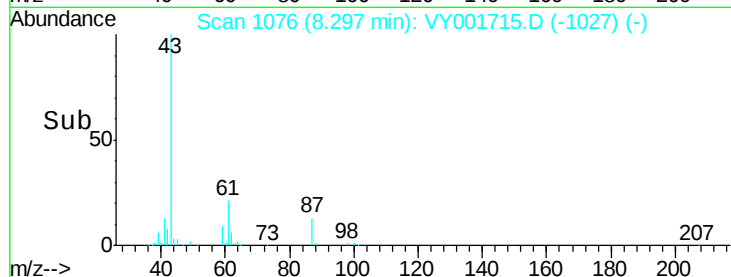
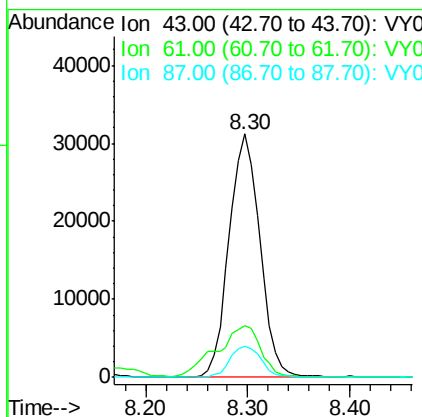
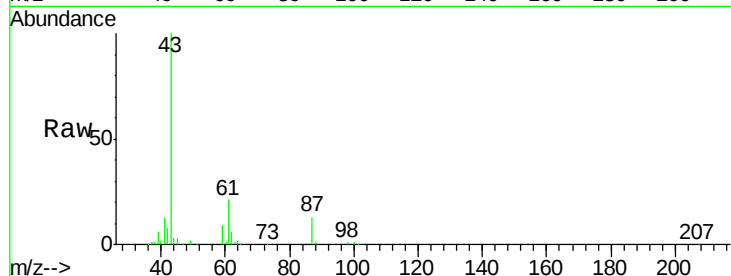
ClientSampleId :

VY0220SBS01

Tot Ion:	43	Resp:	65496
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.0	34.4
87	12.9	10.7	16.1

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#44

Trichloroethene

Concen: 19.730 ug/l

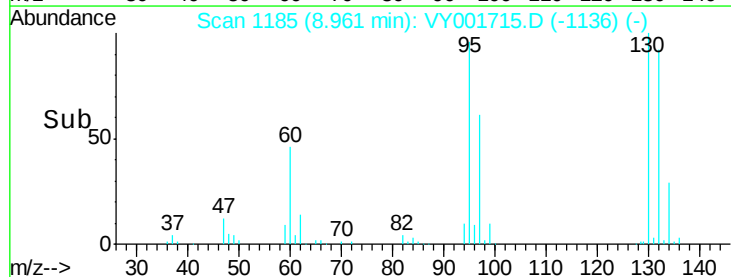
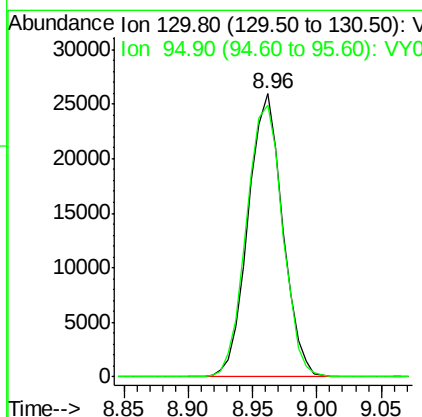
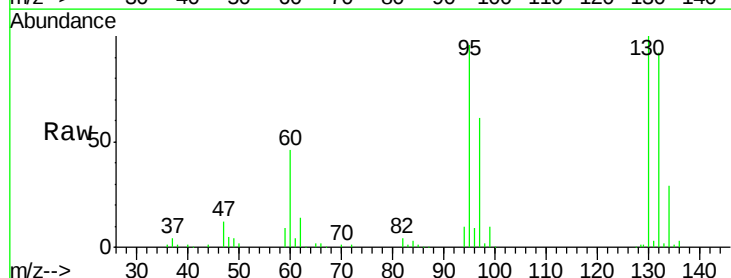
RT: 8.96 min Scan# 1185

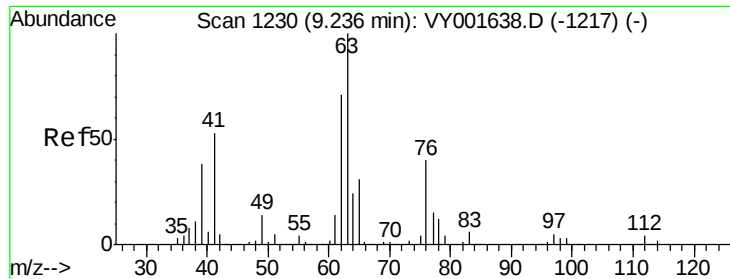
Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	130	Resp:	48119
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	200.6





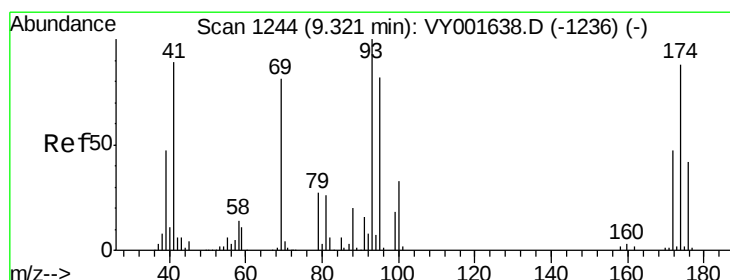
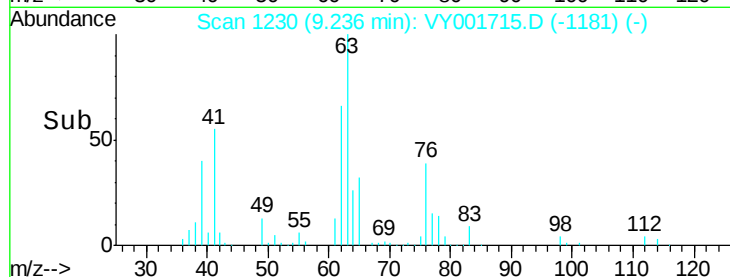
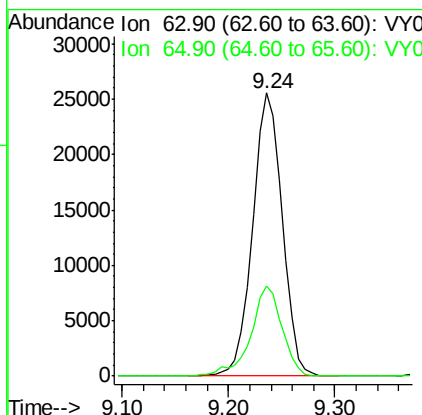
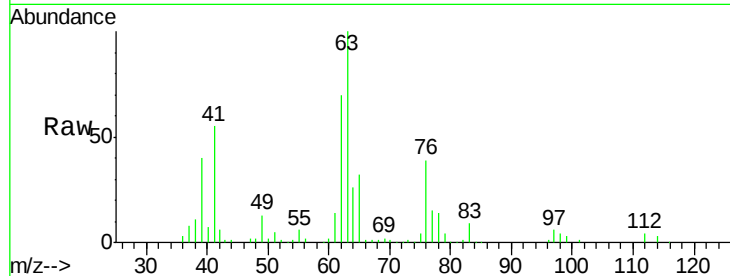
#45
 1,2-Dichloropropane
 Concen: 20.410 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion: 63 Resp: 49937
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 37.0

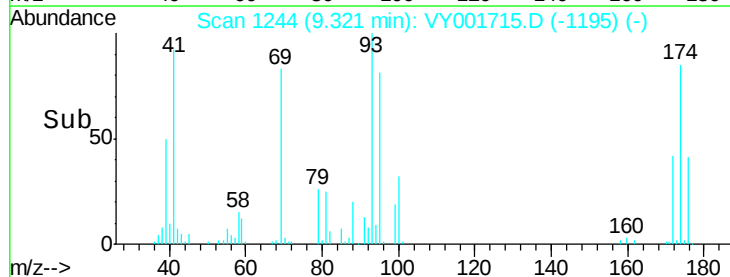
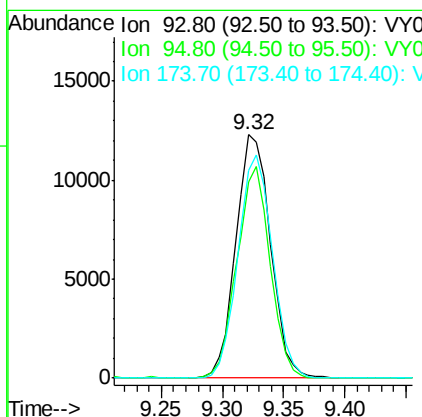
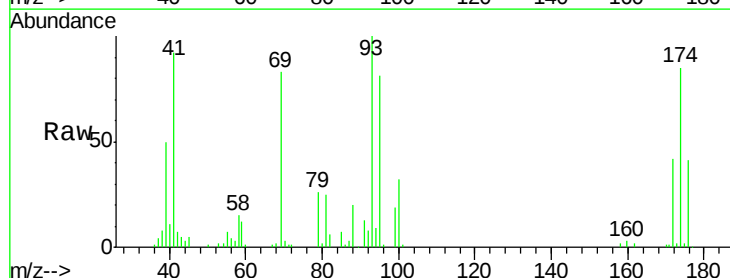
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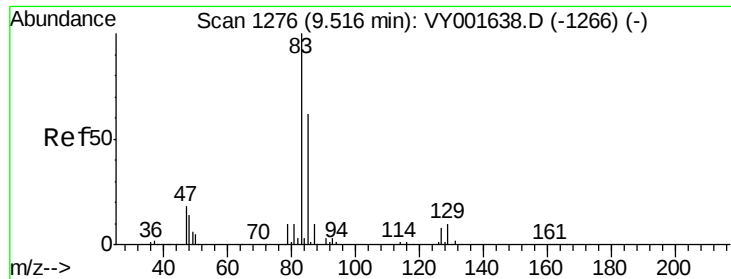
MMDadoda
 2/21/2020 3:23:25 PM



#46
 Dibromomethane
 Concen: 18.952 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion: 93 Resp: 24254
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.1 99.1
 174 90.8 72.5 108.7





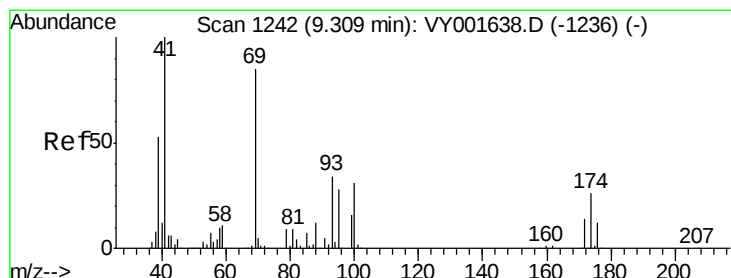
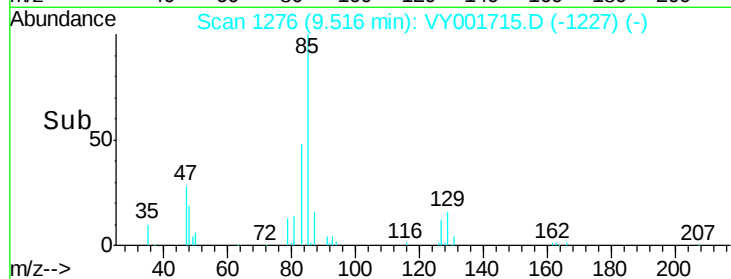
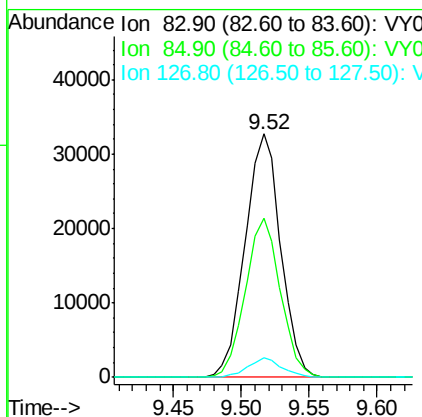
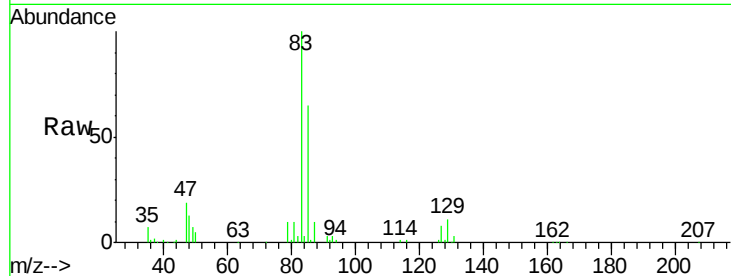
#47
Bromodichloromethane
Concen: 19.377 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	59848		
85	65.1		51.4	77.0
127	7.9		6.4	9.6

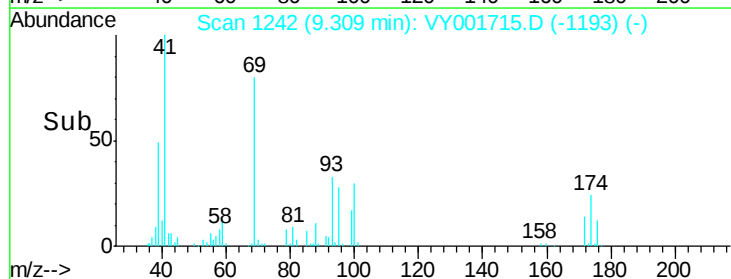
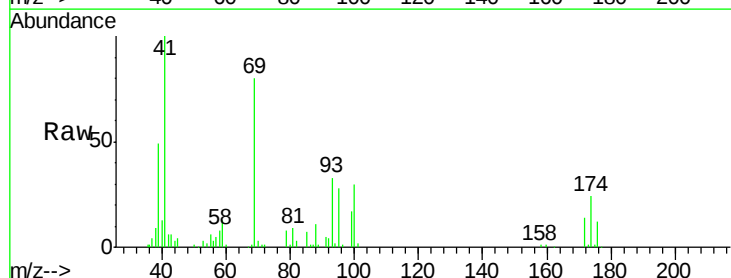
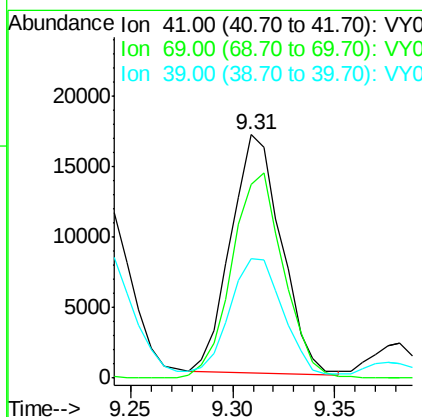
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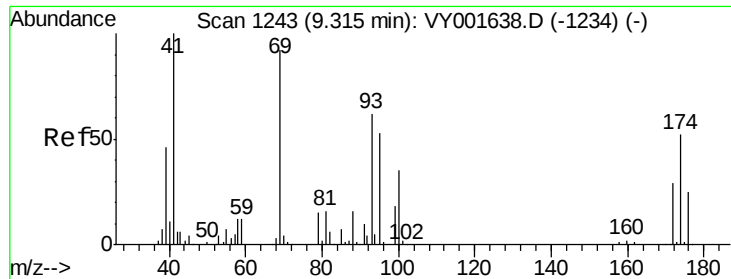
MMDadoda
2/21/2020 3:23:25 PM



#48
Methyl methacrylate
Concen: 17.070 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	29041		
69	88.1		70.7	106.1
39	54.8		42.2	63.2





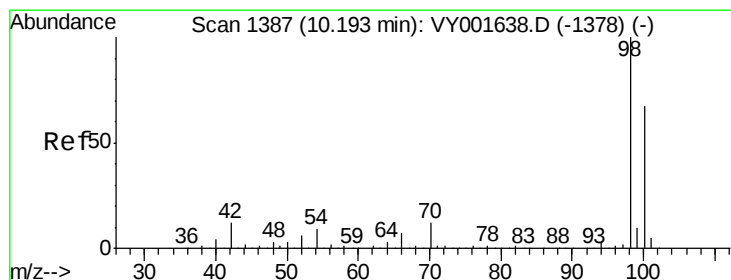
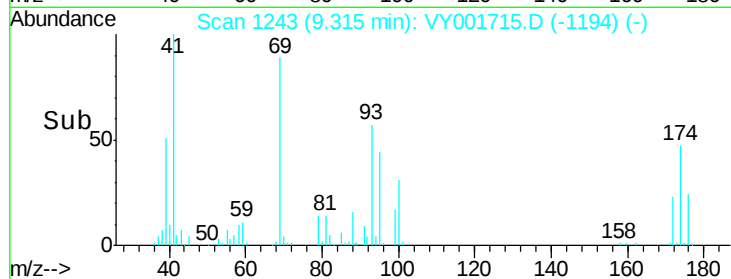
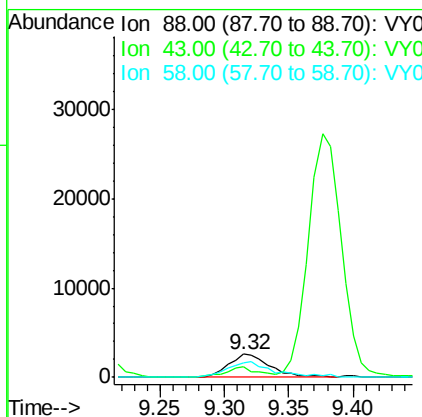
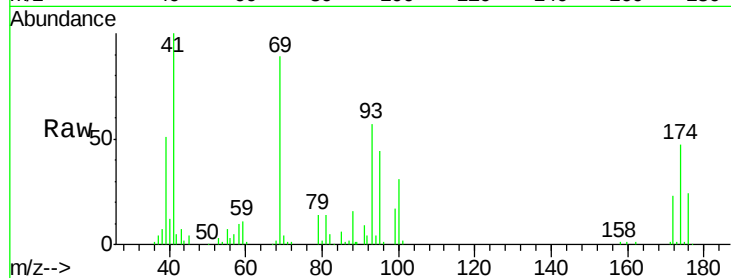
#49
 1,4-Dioxane
 Concen: 328.356 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	23.1	34.7#
58	69.6	58.1	87.1

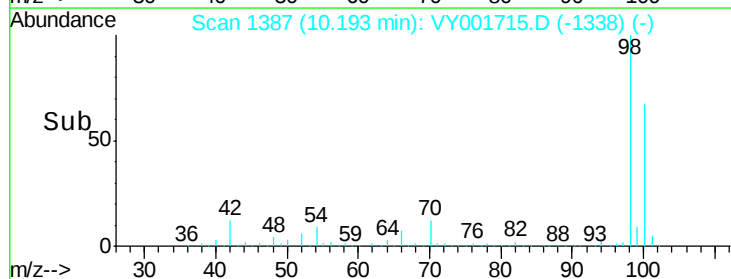
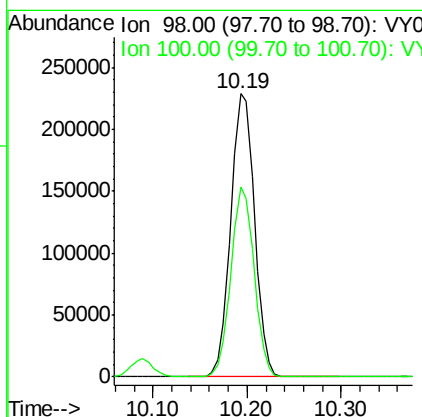
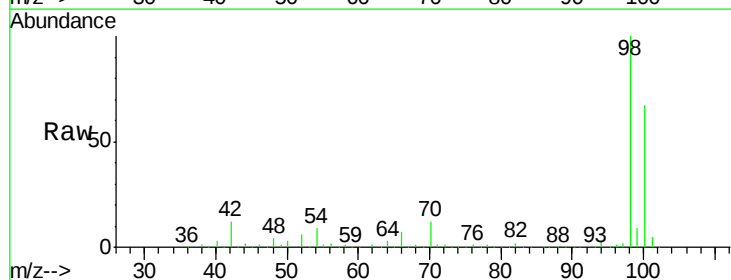
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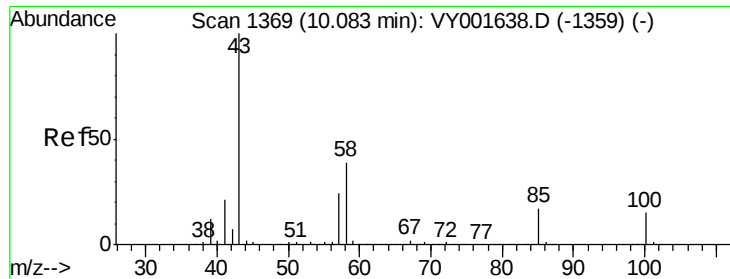
MMDadoda
 2/21/2020 3:23:25 PM



#50
 Toluene-d8
 Concen: 51.342 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 86.289 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 43 Resp: 166777

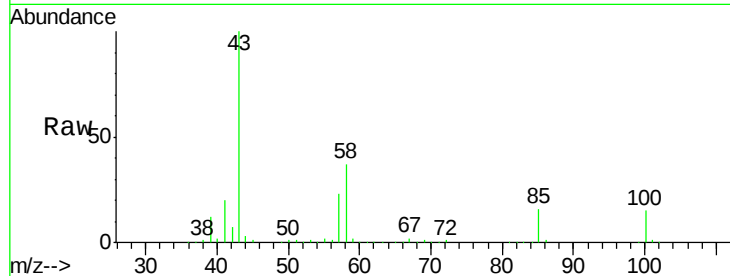
Ion Ratio Lower Upper

43 100

58 38.6 32.2 48.4

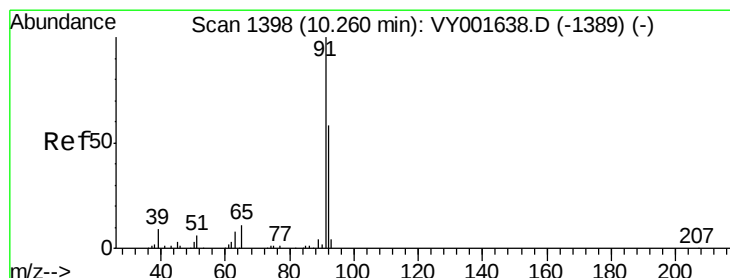
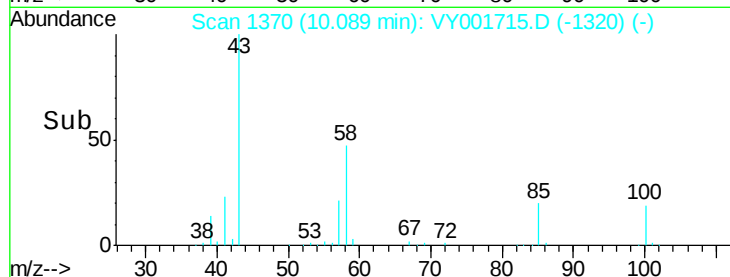
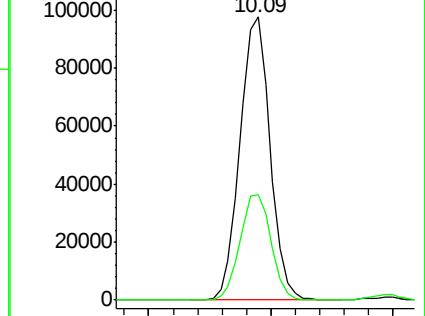
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.152 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001715.D

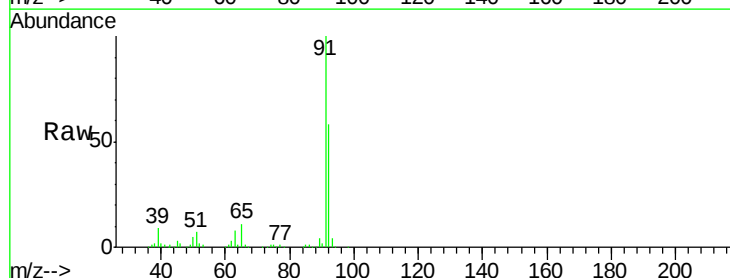
Acq: 20 Feb 2020 11:53

Tgt Ion: 92 Resp: 122808

Ion Ratio Lower Upper

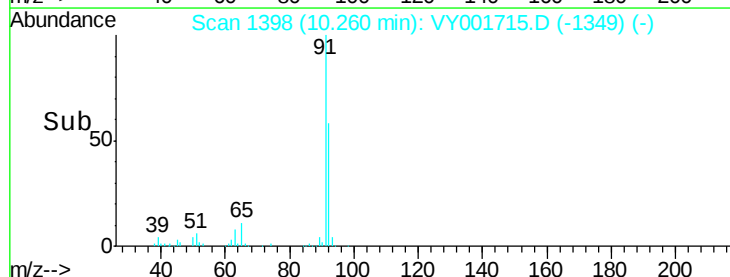
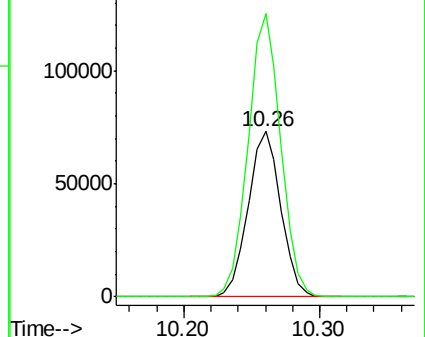
92 100

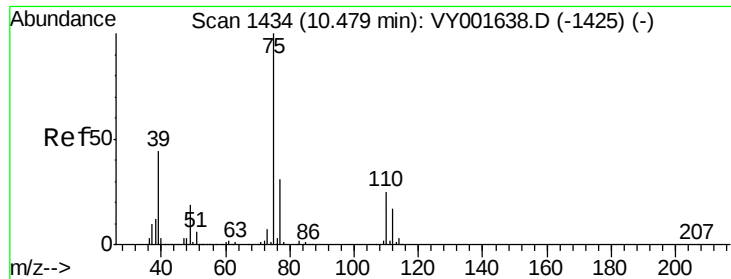
91 170.7 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





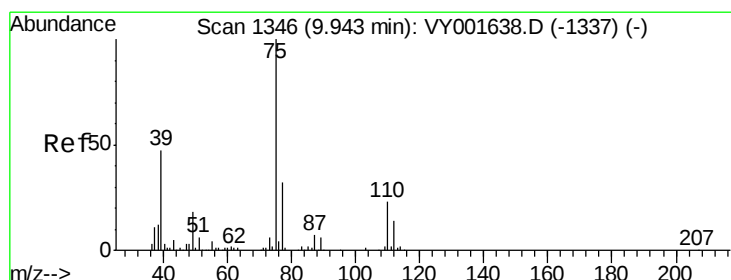
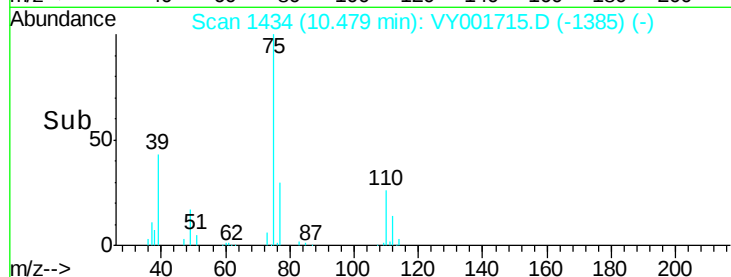
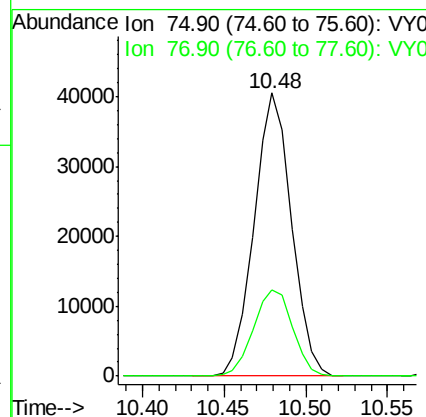
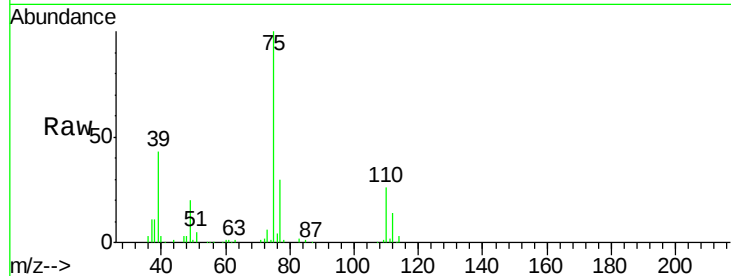
#53
 t-1,3-Dichloropropene
 Concen: 18.950 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.2	37.8

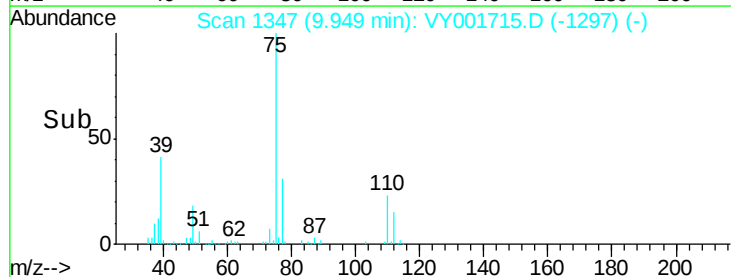
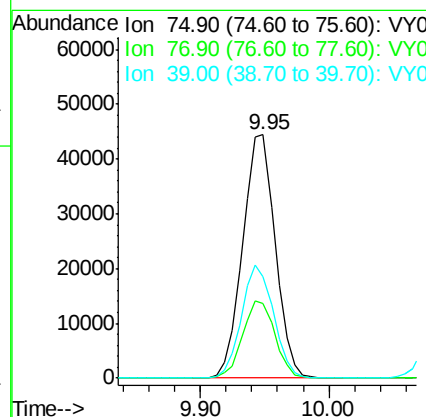
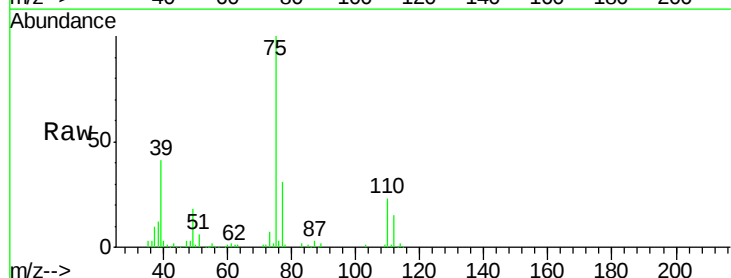
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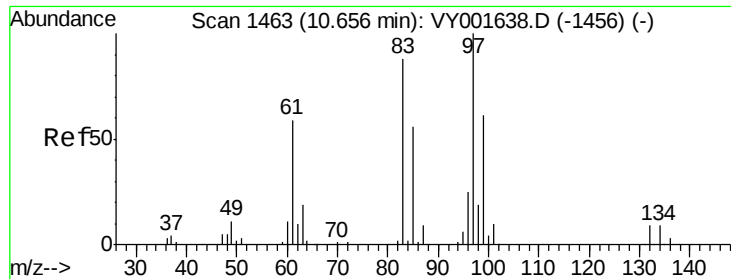
MMDadoda
 2/21/2020 3:23:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.705 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	41.5	35.7	53.5





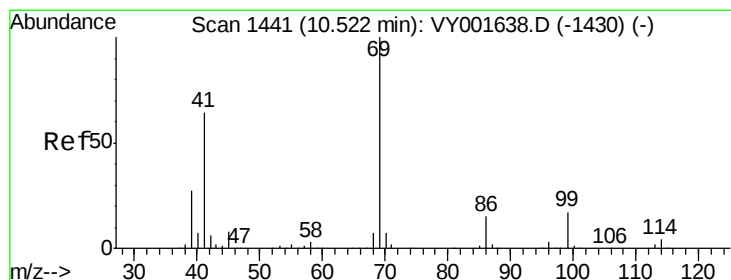
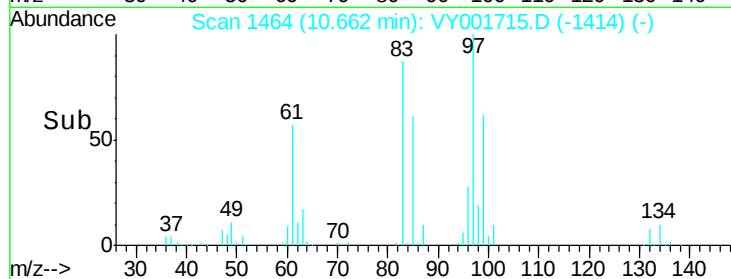
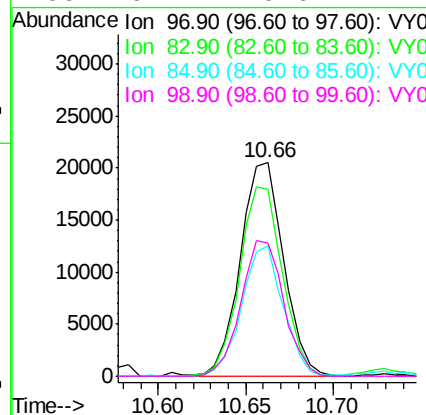
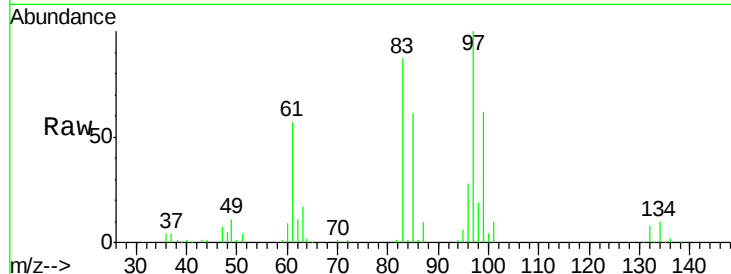
#55
 1,1,2-Trichloroethane
 Concen: 18.750 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion:	97	Resp:	35382
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.7	104.5
85	60.9	44.5	66.7
99	62.2	49.6	74.4

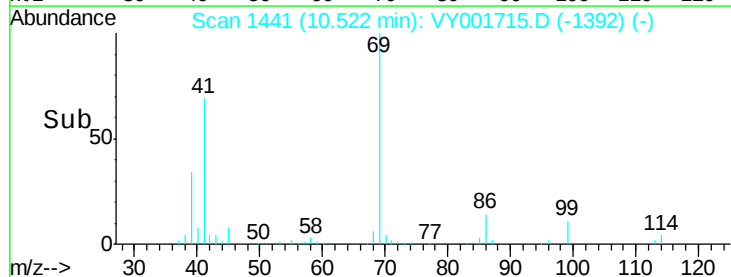
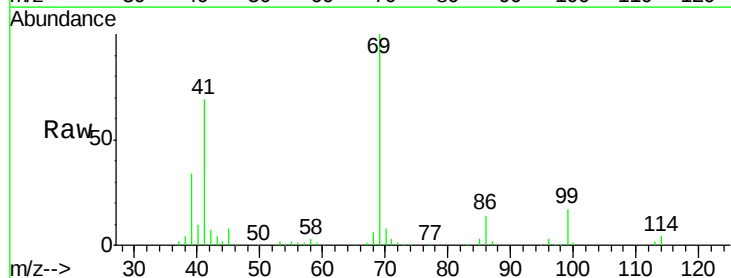
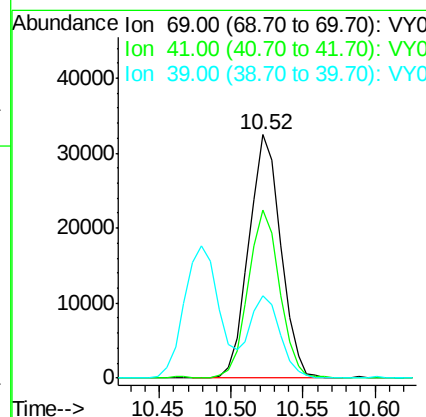
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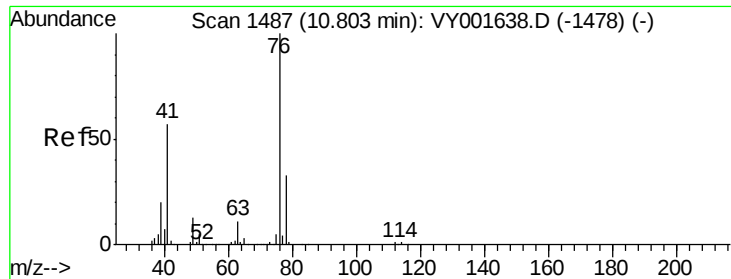
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 2/21/2020 3:23:25 PM



#56
 Ethyl methacrylate
 Concen: 17.600 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion:	69	Resp:	49824
Ion	Ratio	Lower	Upper
69	100		
41	68.4	51.0	76.4
39	32.6	24.7	37.1





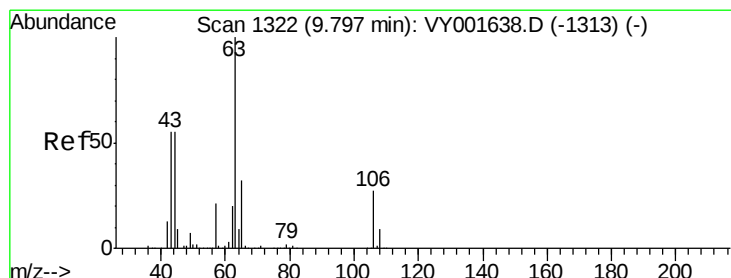
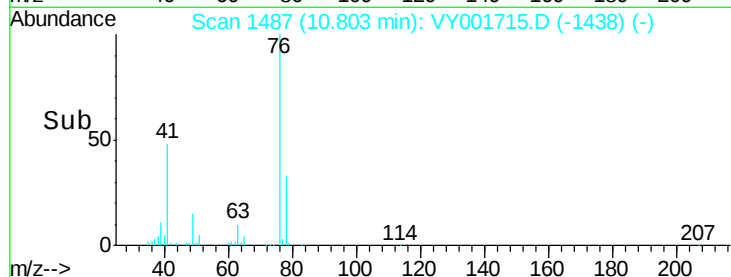
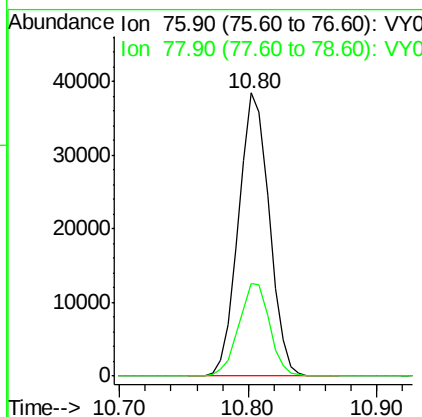
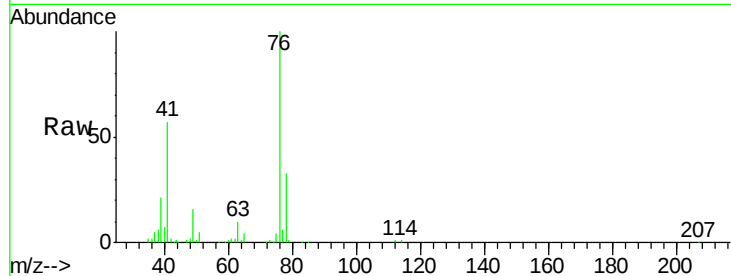
#57
 1,3-Dichloropropane
 Concen: 18.946 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5

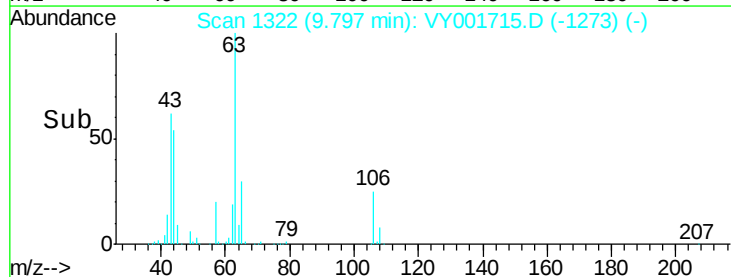
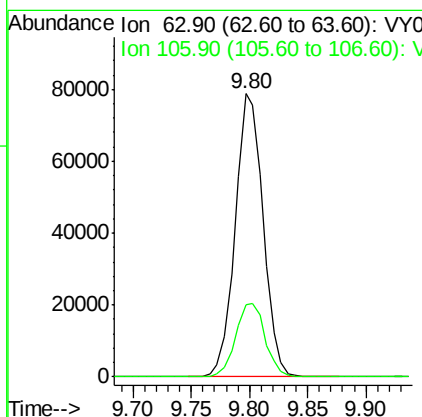
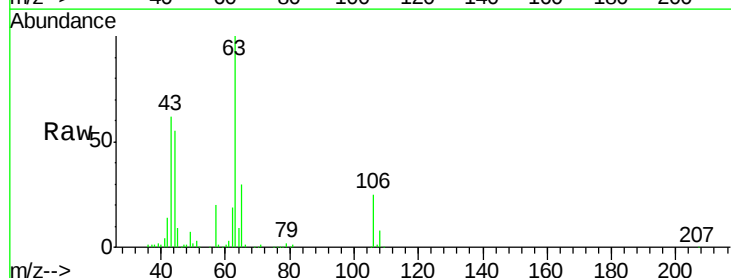
Manual Integrations
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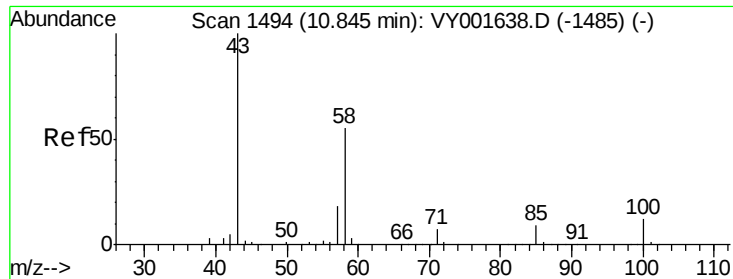
MMDadoda
 2/21/2020 3:23:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.810 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.6	32.4





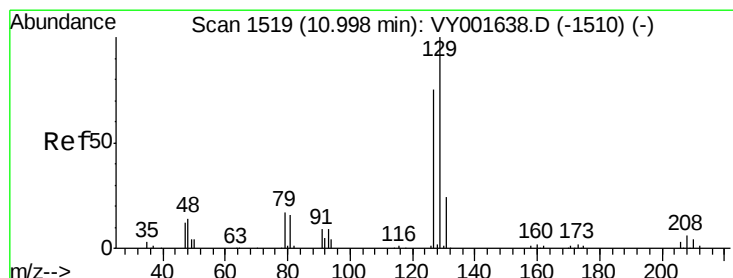
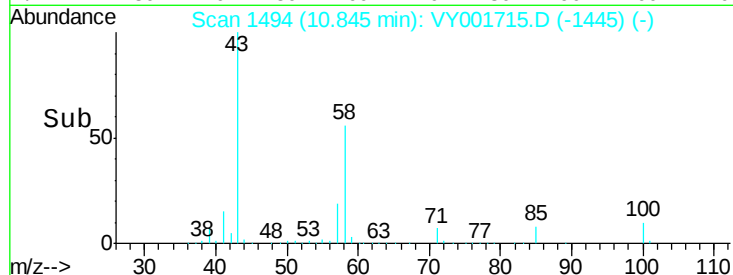
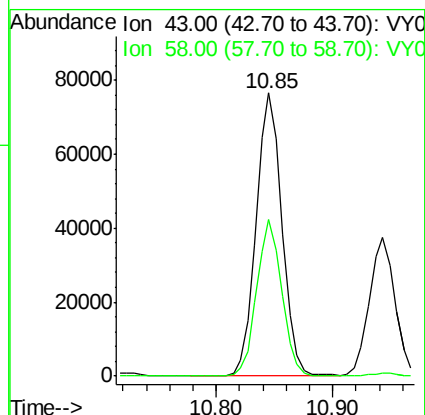
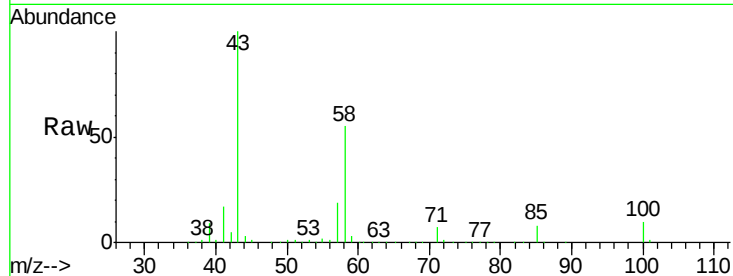
#59
2-Hexanone
Concen: 82.144 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion: 43 Resp: 119125
Ion Ratio Lower Upper
43 100
58 53.7 28.4 85.2

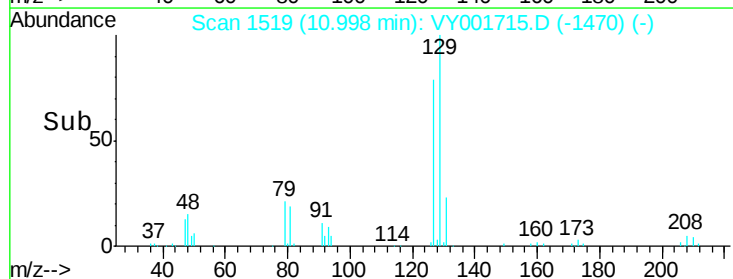
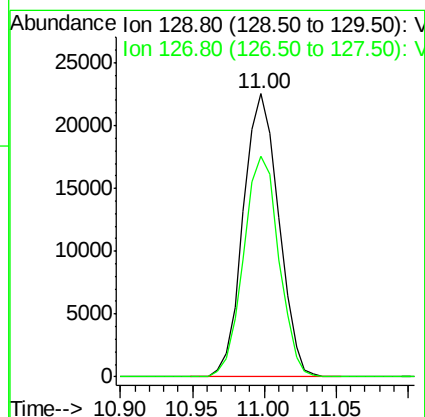
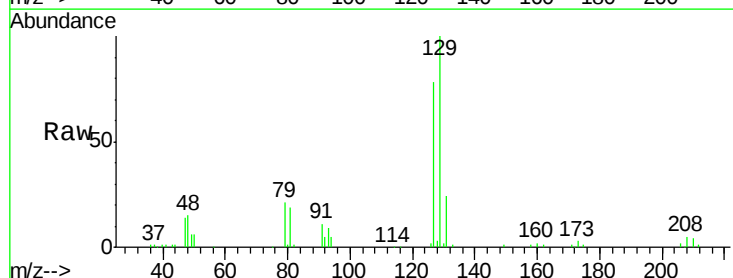
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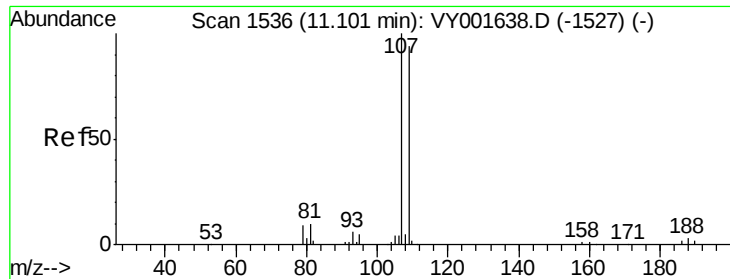
MMDadoda
2/21/2020 3:23:25 PM



#60
Dibromochloromethane
Concen: 18.454 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion: 129 Resp: 38393
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





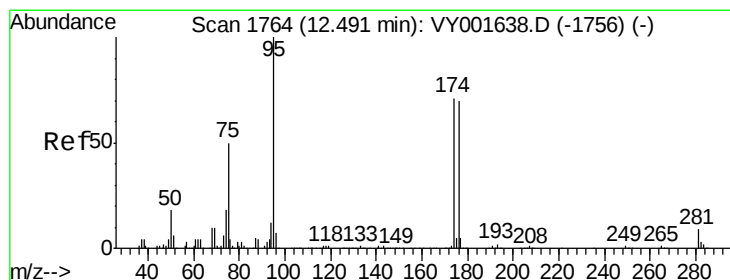
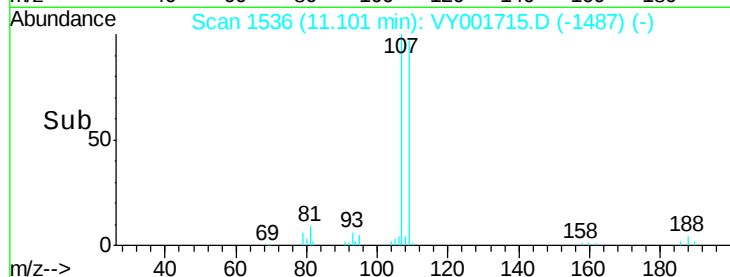
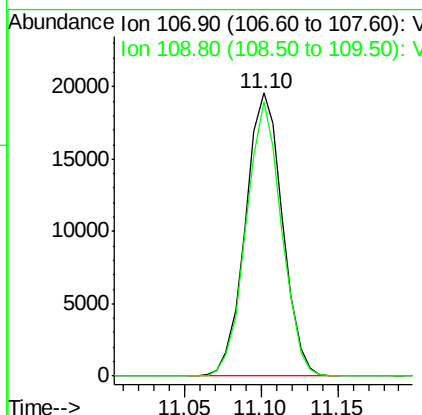
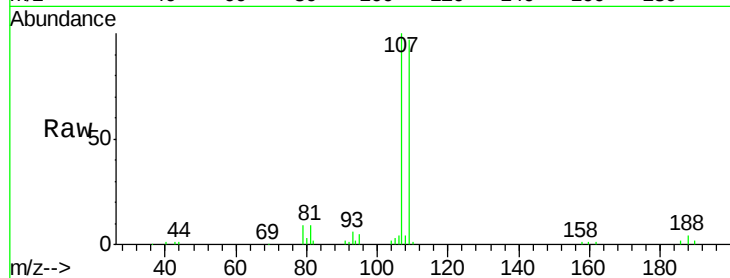
#61
 1,2-Dibromoethane
 Concen: 18.421 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.2	111.4

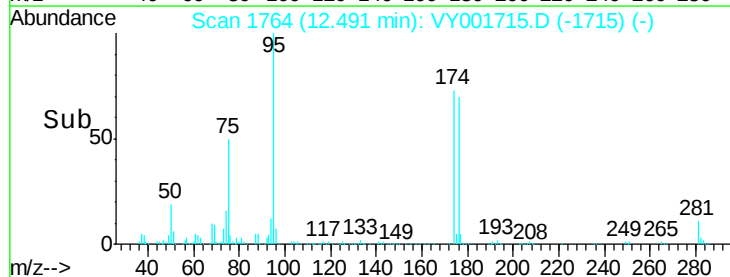
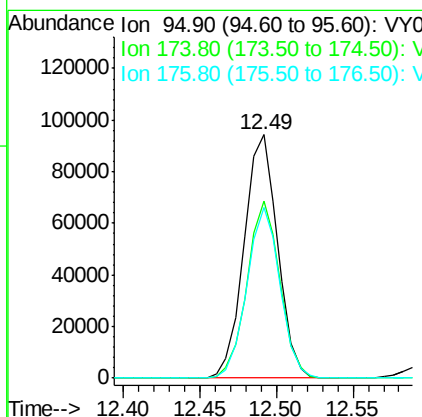
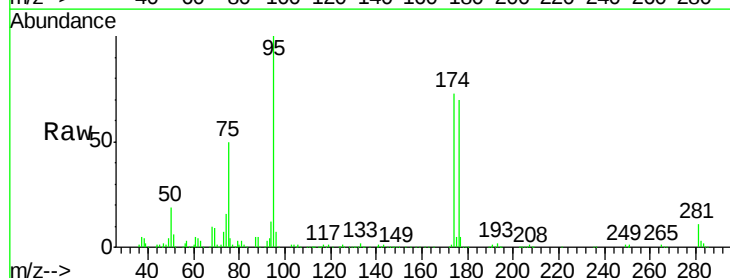
Manual Integrations
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 2/21/2020 3:23:25 PM



#62
 4-Bromofluorobenzene
 Concen: 47.373 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	138.4
176	69.2	0.0	131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

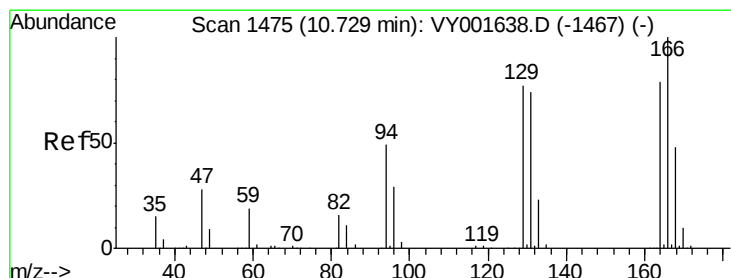
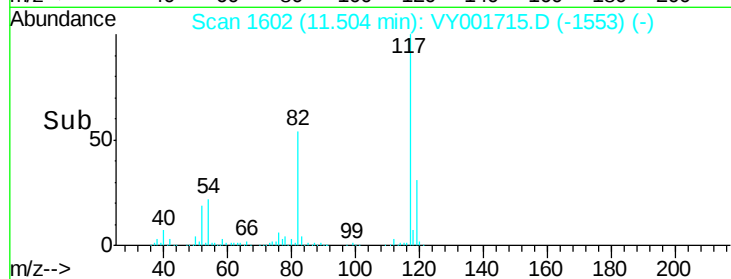
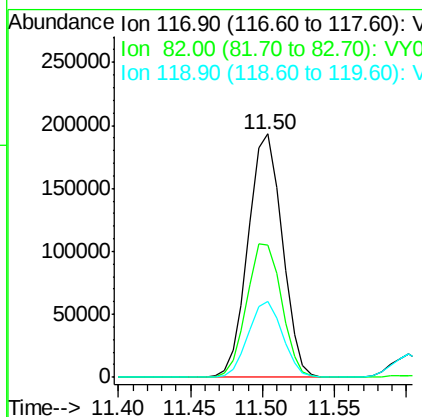
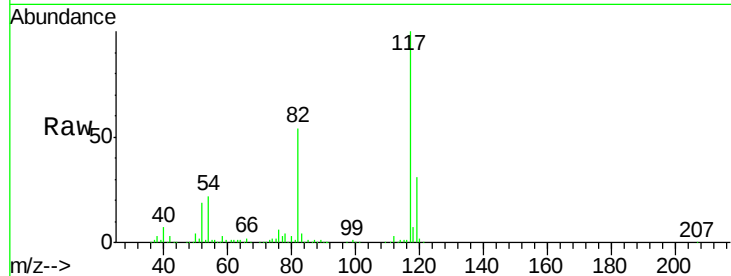
ClientSampleId :

VY0220SBS01

Tot Ion:	117	Resp:	316223
Ion Ratio	Lower	Upper	
117	100		
82	54.4	45.5	68.3
119	31.1	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.371 ug/l

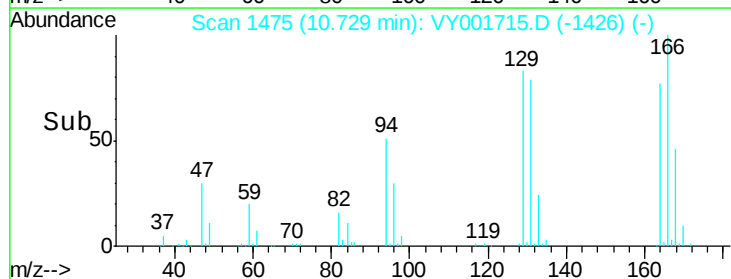
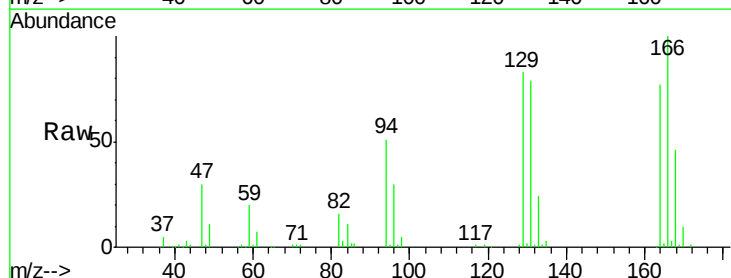
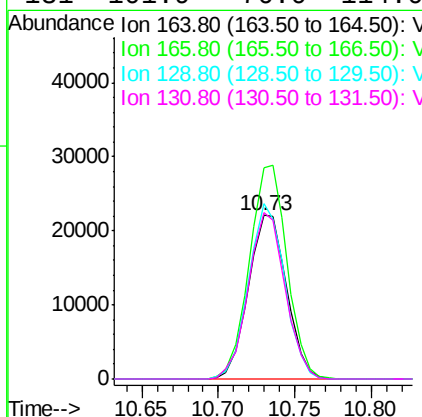
RT: 10.73 min Scan# 1475

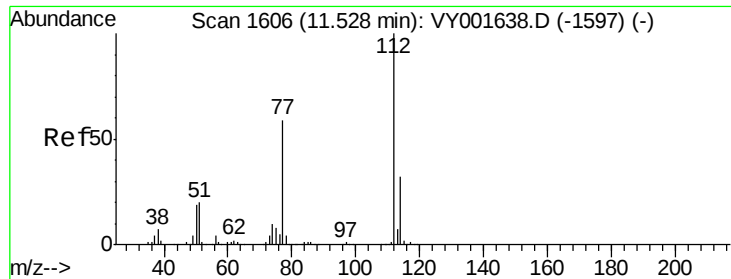
Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	164	Resp:	38453
Ion Ratio	Lower	Upper	
164	100		
166	129.1	101.4	152.0
129	106.8	78.7	118.1
131	101.9	76.0	114.0





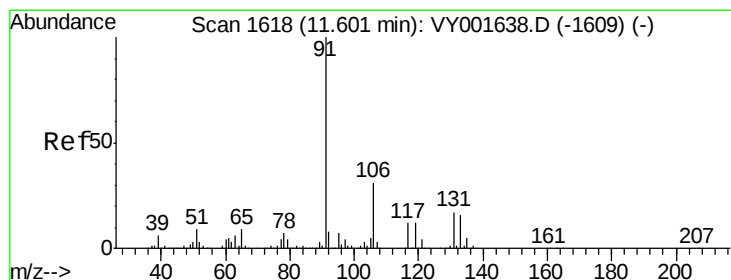
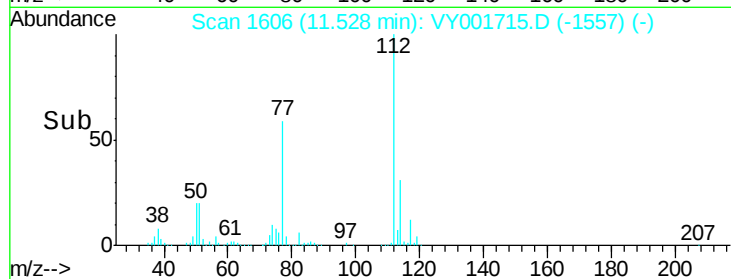
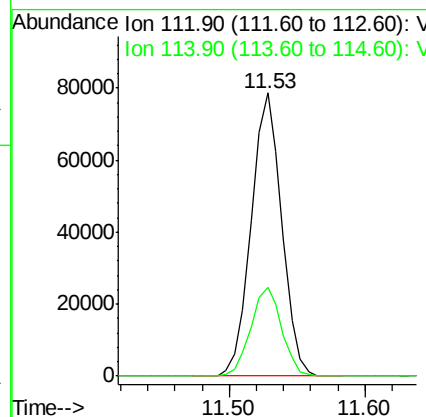
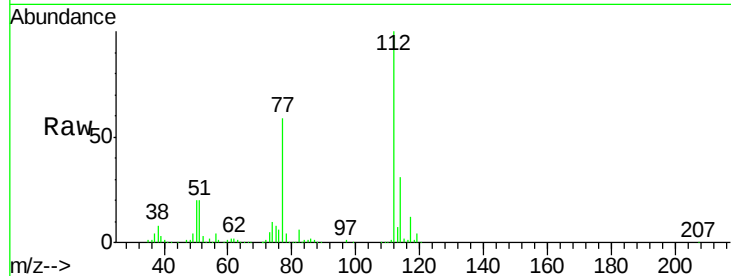
#65
Chlorobenzene
Concen: 19.538 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2

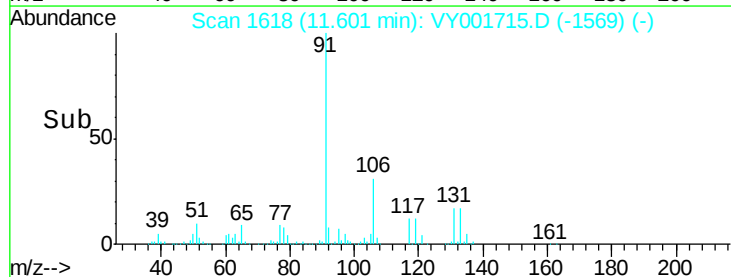
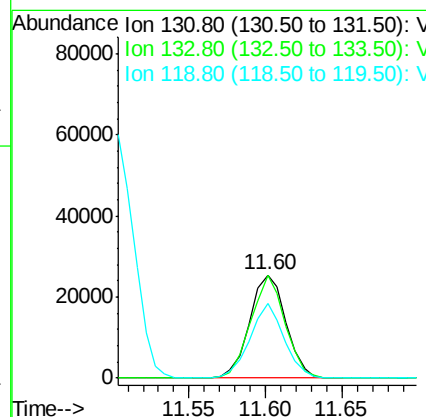
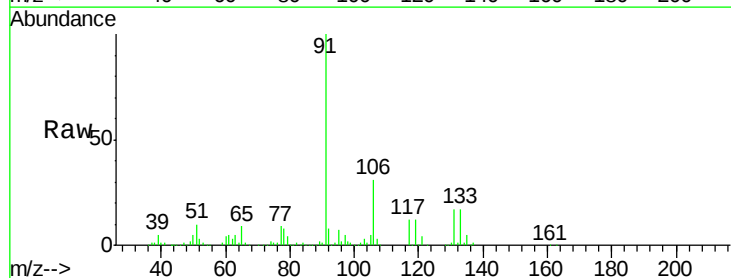
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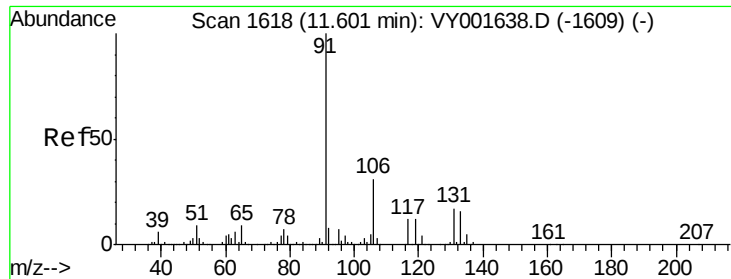
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.683 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.4	142.2
119	68.1	34.4	103.1





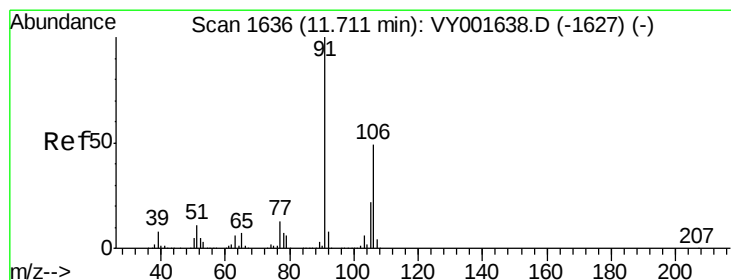
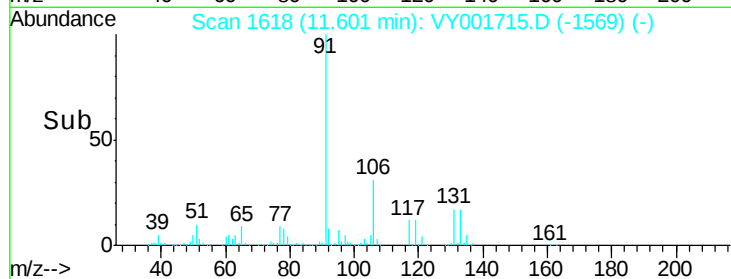
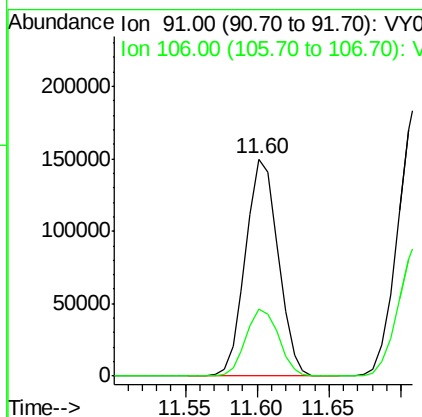
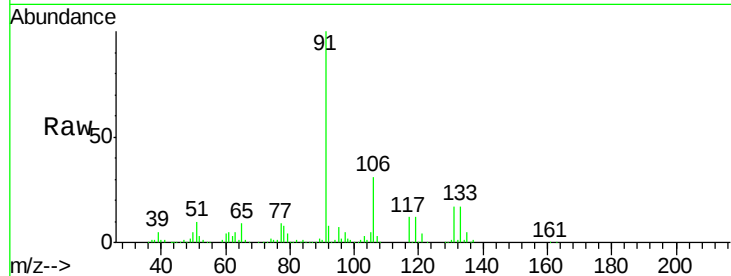
#67
Ethyl Benzene
Concen: 20.077 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

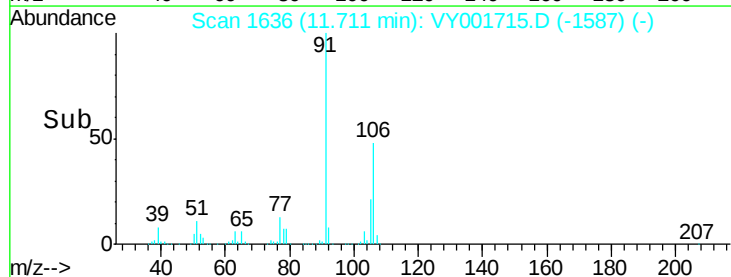
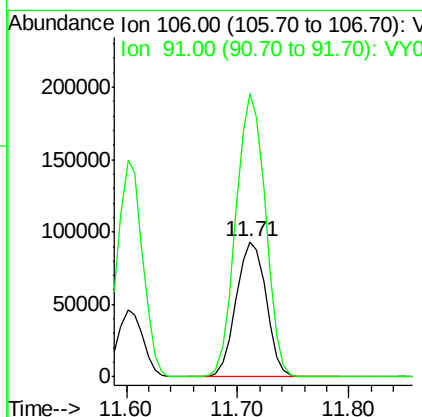
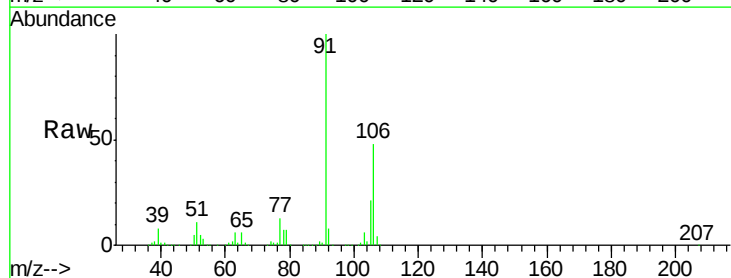
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#68
m/p-Xylenes
Concen: 39.782 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.5	163.3	244.9





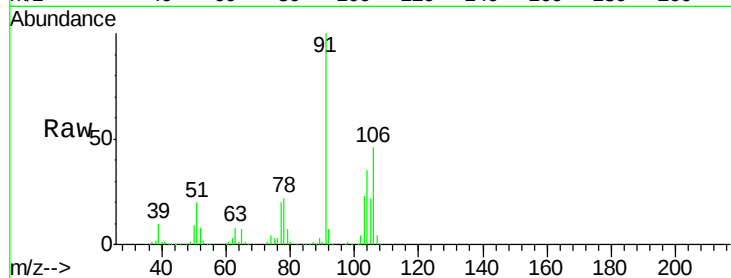
#69
o-Xylene
Concen: 19.932 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

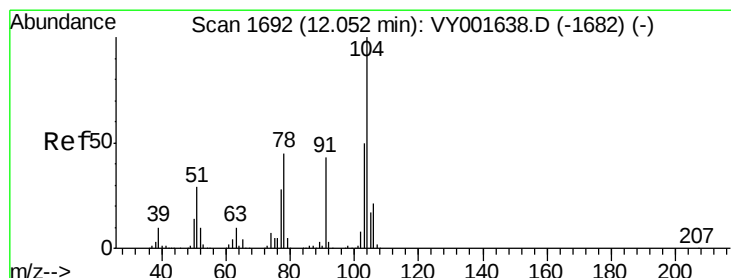
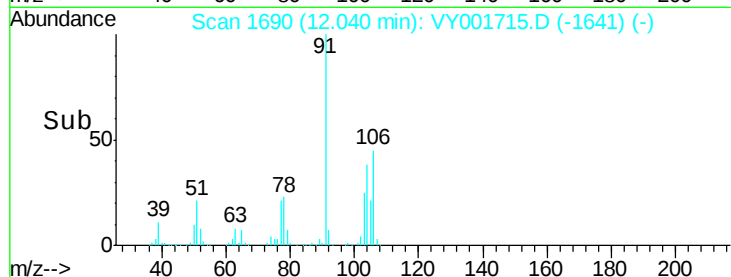
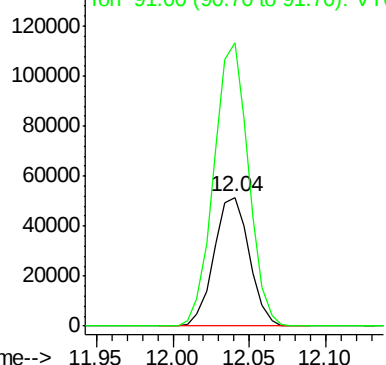
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		82933		
91	214.0	108.3	324.9		

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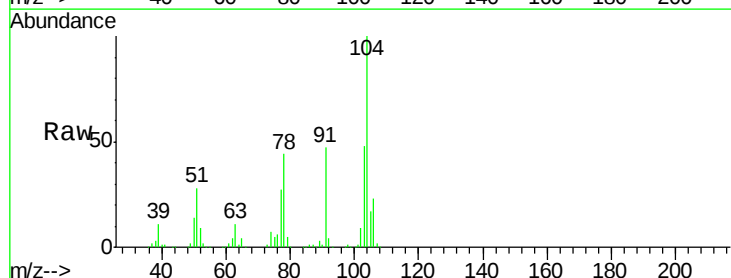


Abundance Ion 106.00 (105.70 to 106.70): VY001638.D (-1681) (-)
Ion 91.00 (90.70 to 91.70): VY001638.D (-1681) (-)

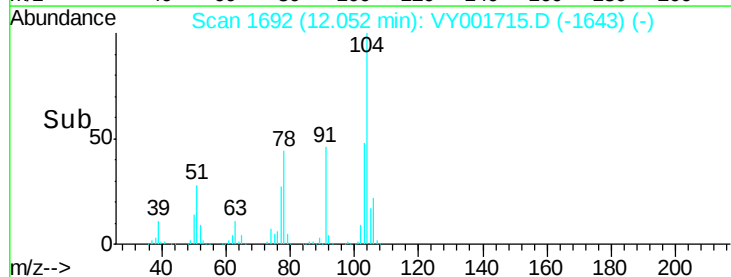
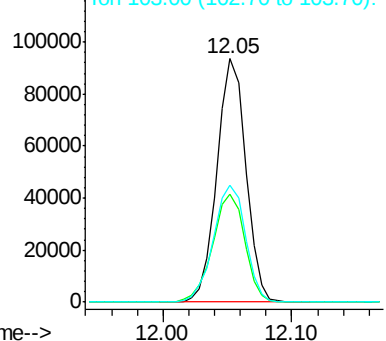


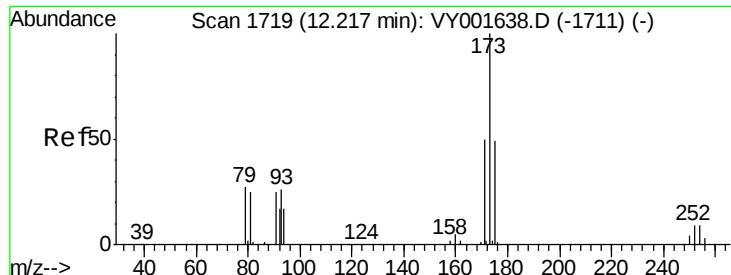
#70
Styrene
Concen: 20.027 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		144815		
78	49.2	39.2	58.8		
103	53.3	43.0	64.6		



Abundance Ion 104.00 (103.70 to 104.70): VY001638.D (-1682) (-)
Ion 78.00 (77.70 to 78.70): VY001638.D (-1682) (-)
Ion 103.00 (102.70 to 103.70): VY001638.D (-1682) (-)





#71

Bromoform

Concen: 16.991 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion:173 Resp: 20680

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

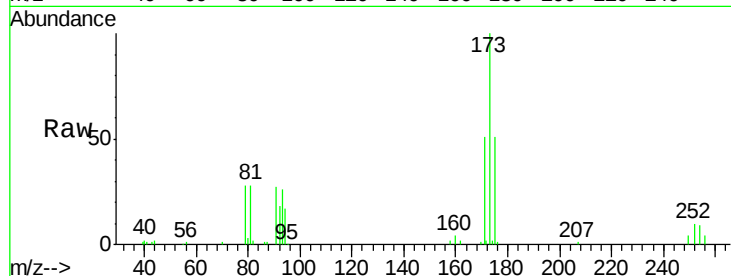
254 0.0 0.1 0.1#

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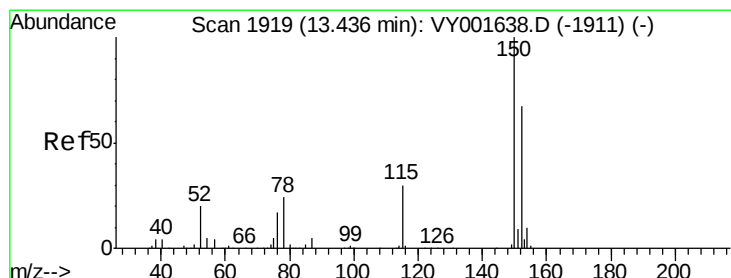
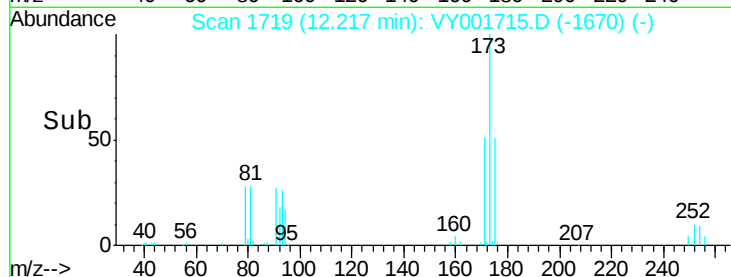
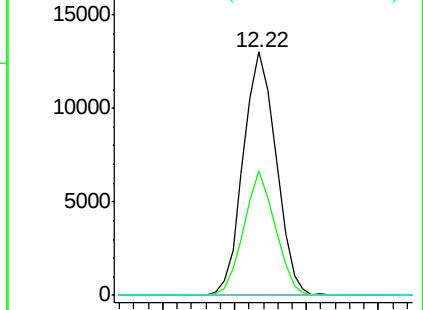
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

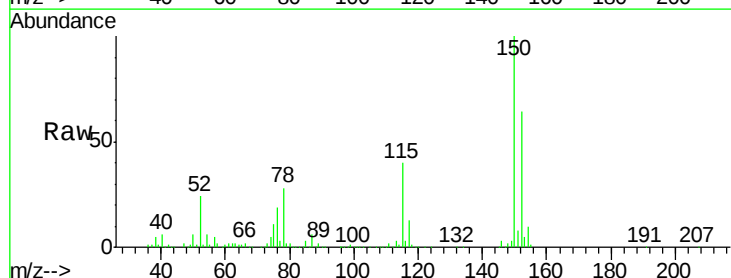
Tgt Ion:152 Resp: 145551

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.2

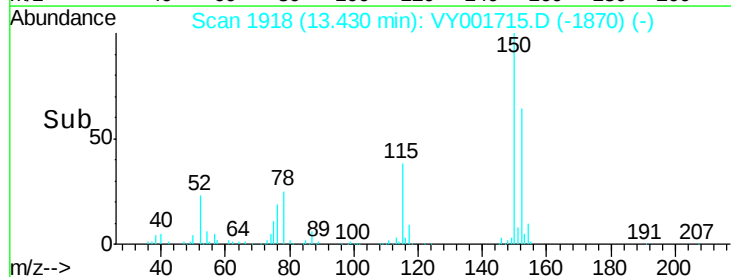
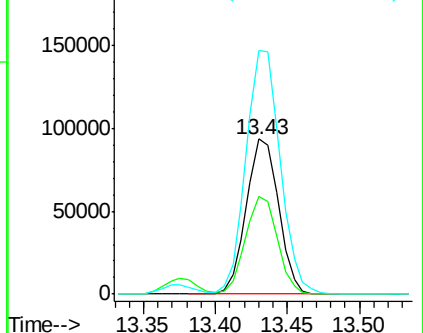
150 166.2 0.0 407.2

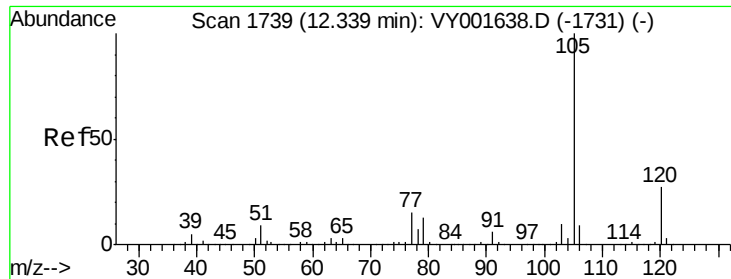


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





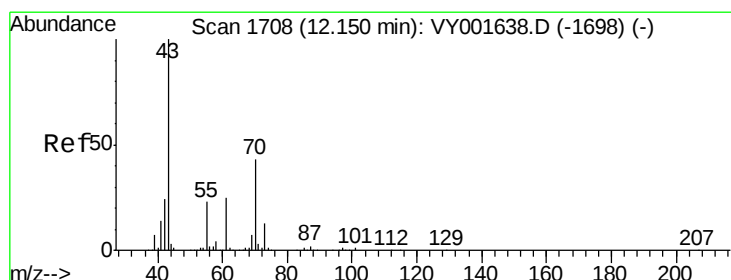
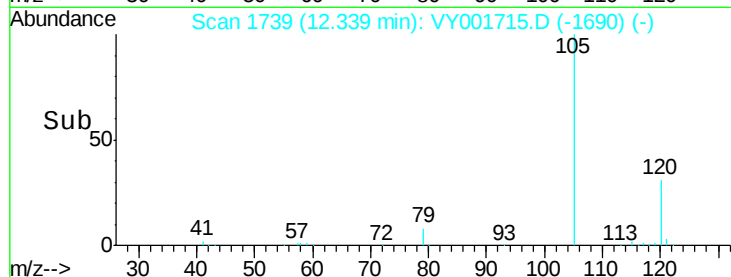
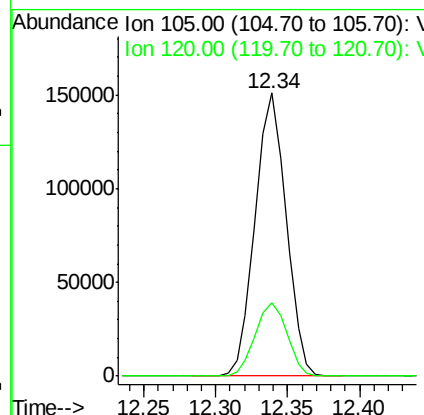
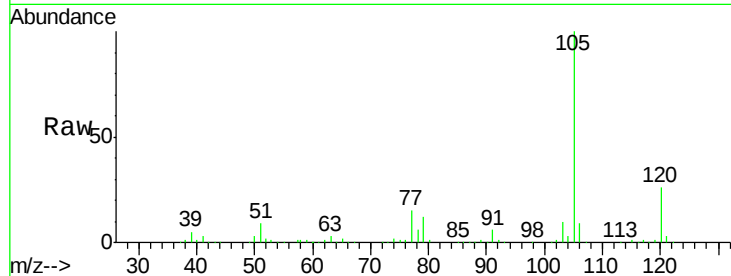
#73
Isopropylbenzene
Concen: 20.308 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.1

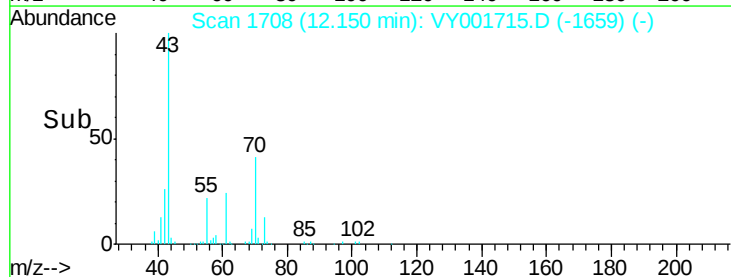
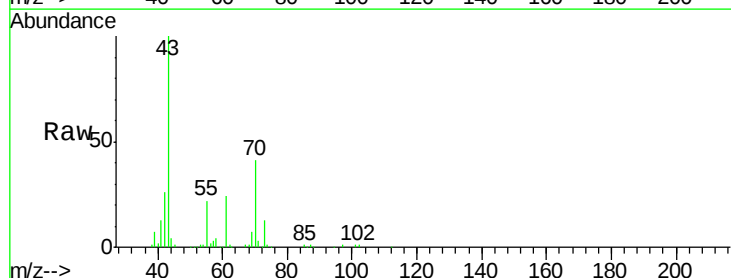
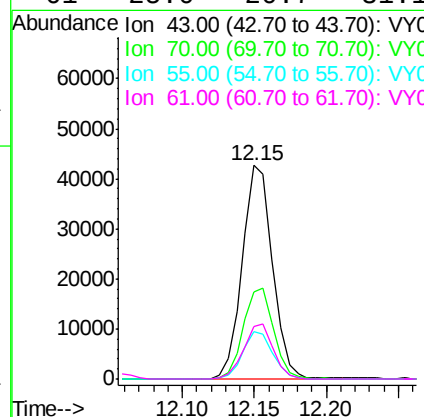
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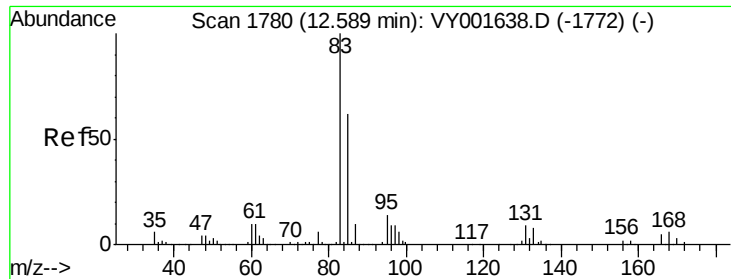
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#74
N-ethyl acetate
Concen: 17.658 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	35.9	53.9
55	21.9	18.3	27.5
61	25.0	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.120 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

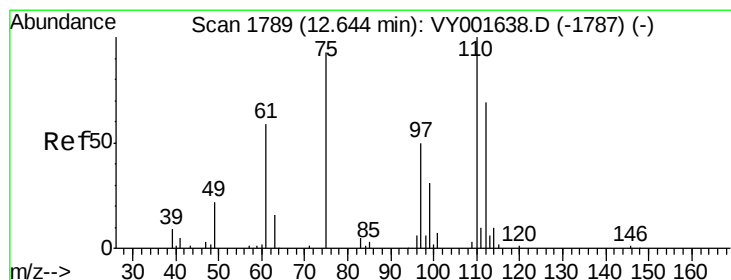
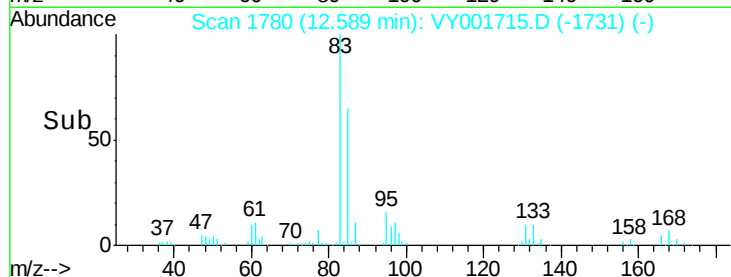
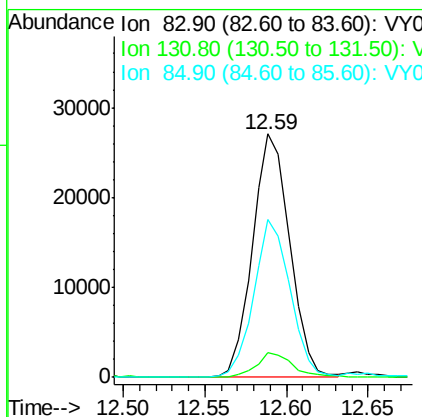
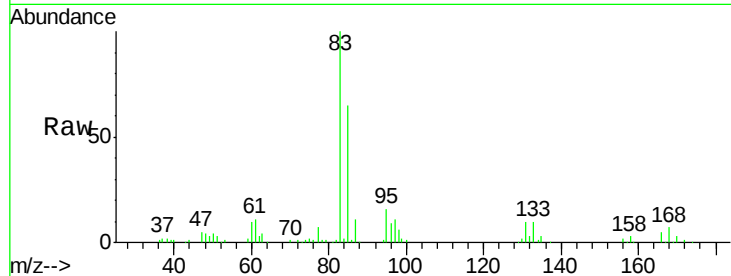
ClientSampleId :

VY0220SBS01

Tot Ion:	83	Resp:	42900
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	63.4	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.776 ug/l m

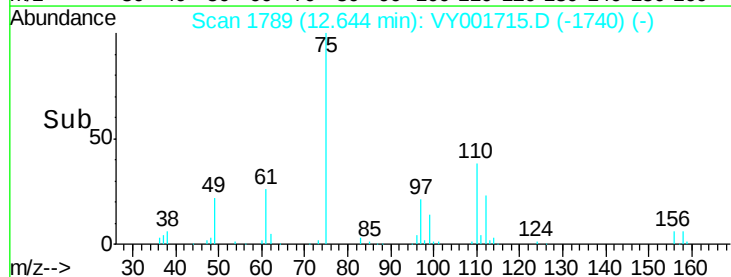
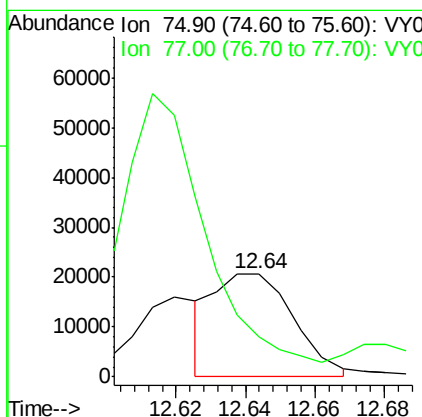
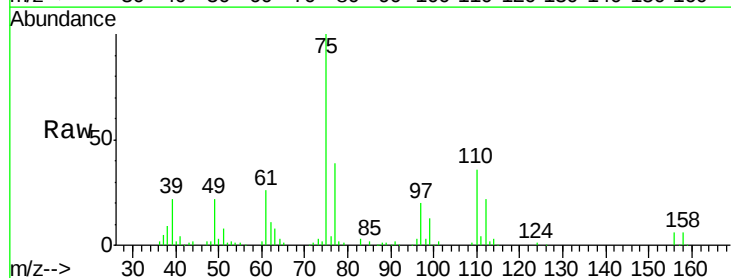
RT: 12.64 min Scan# 1789

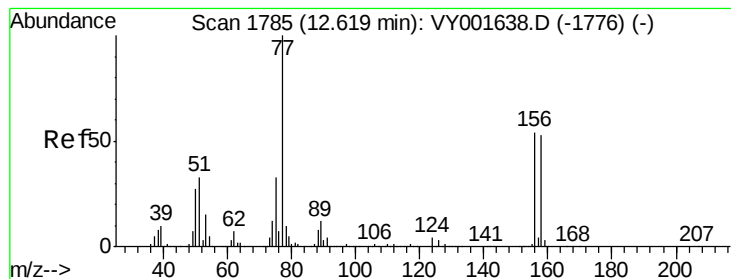
Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	75	Resp:	33020
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.512 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion:156 Resp: 46903

Ion Ratio Lower Upper

156 100

77 213.8 110.1 330.1

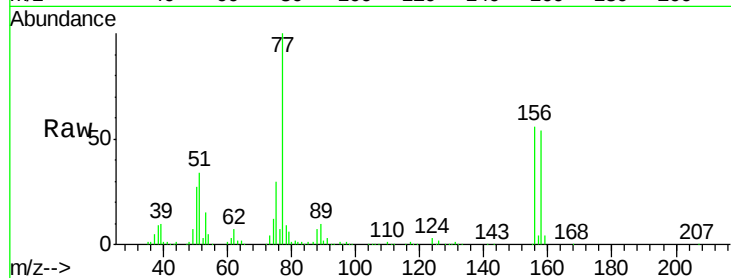
158 98.5 47.9 143.7

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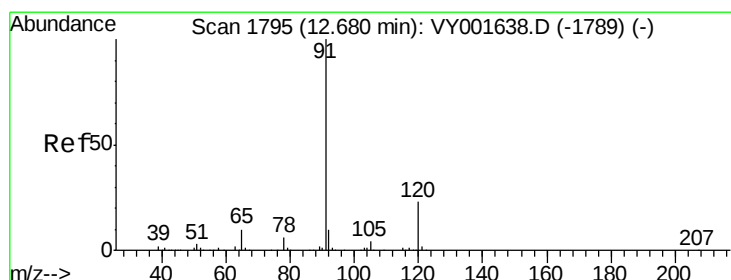
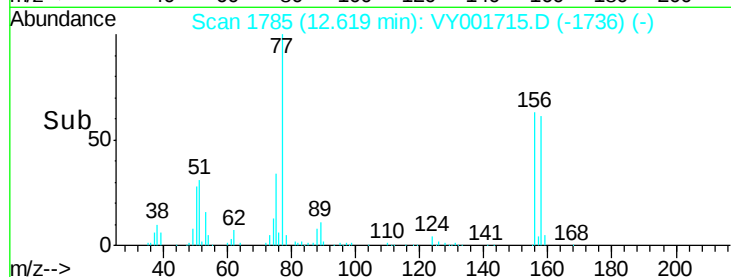
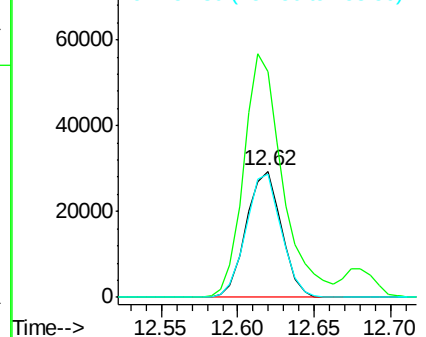
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.573 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001715.D

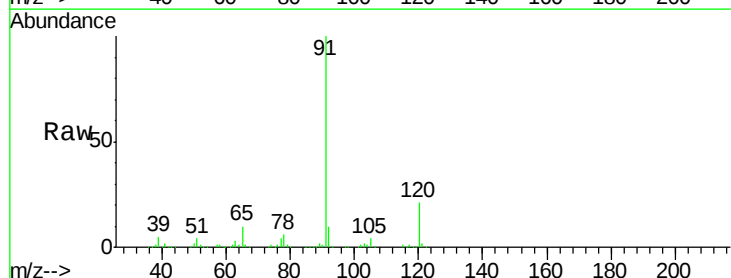
Acq: 20 Feb 2020 11:53

Tgt Ion: 91 Resp: 277828

Ion Ratio Lower Upper

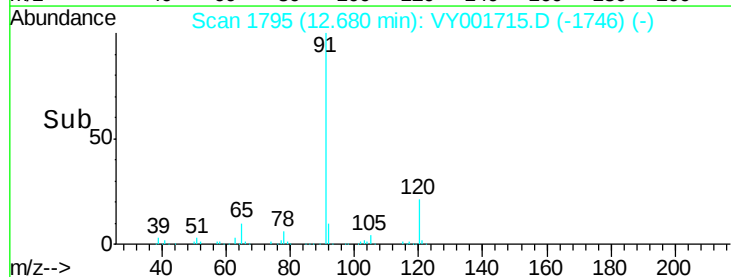
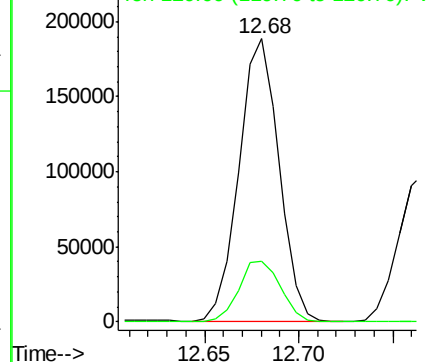
91 100

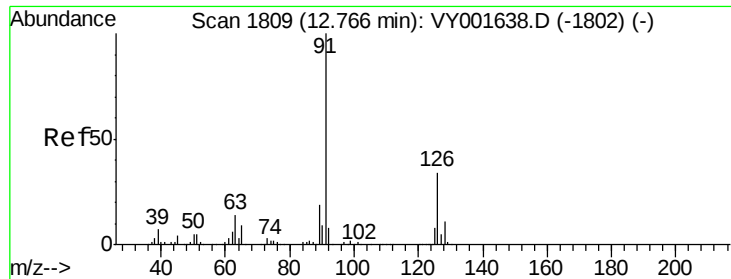
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.447 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion: 91 Resp: 154870

Ion Ratio Lower Upper

91 100

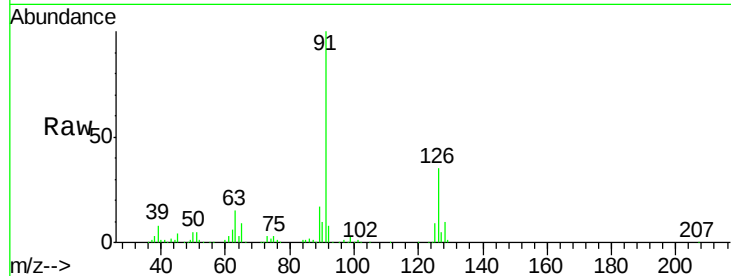
126 33.2 16.2 48.6

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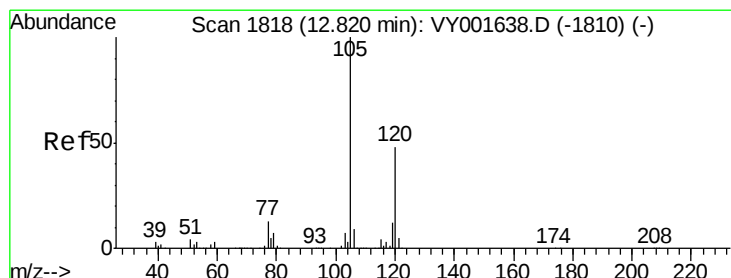
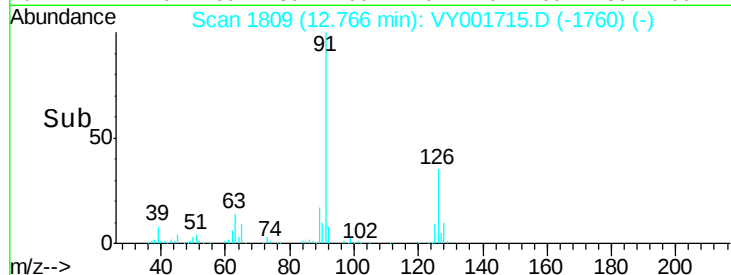
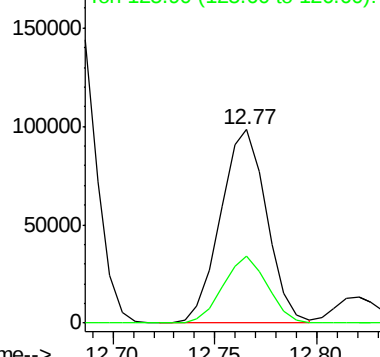
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Abundance Ion 91.00 (90.70 to 91.70): VY001715.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.520 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001715.D

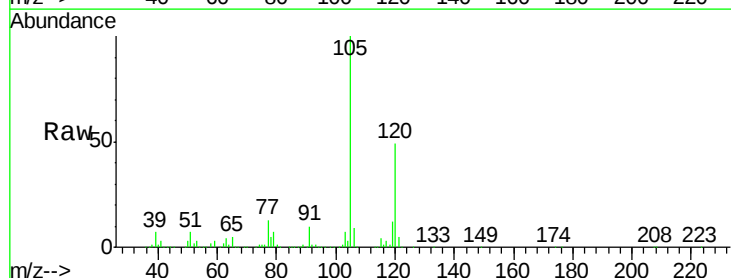
Acq: 20 Feb 2020 11:53

Tgt Ion: 105 Resp: 188348

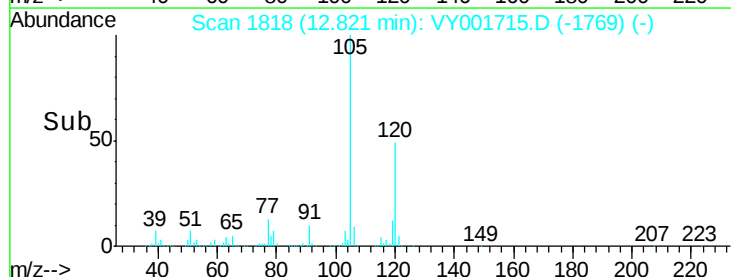
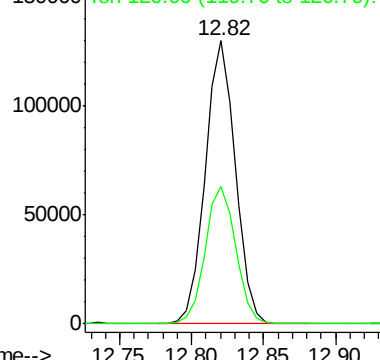
Ion Ratio Lower Upper

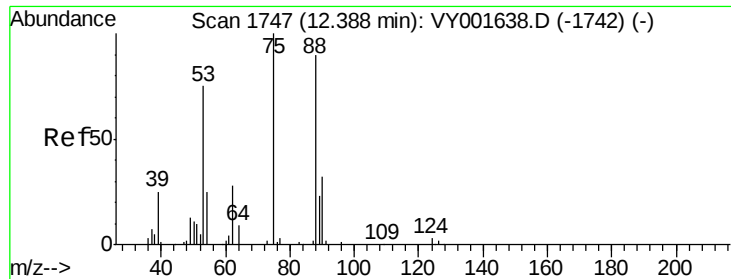
105 100

120 49.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001715.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.323 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

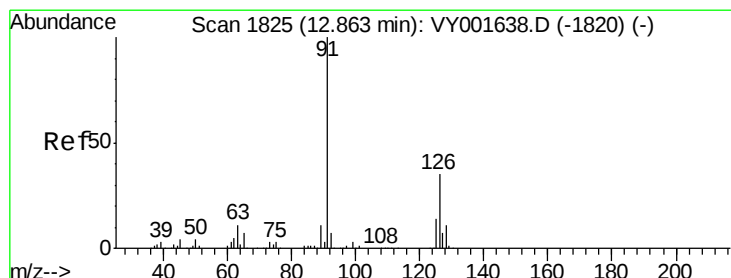
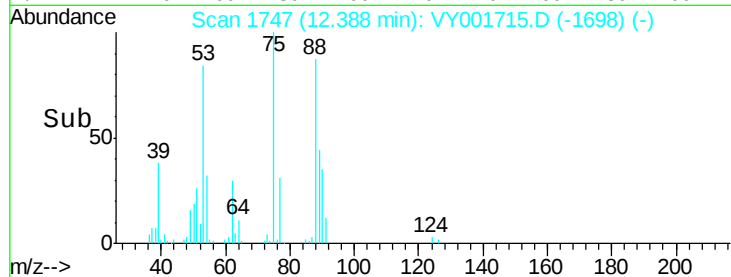
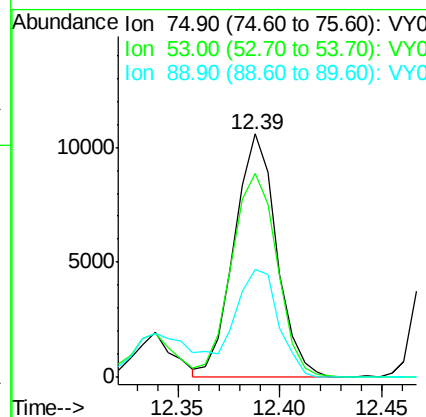
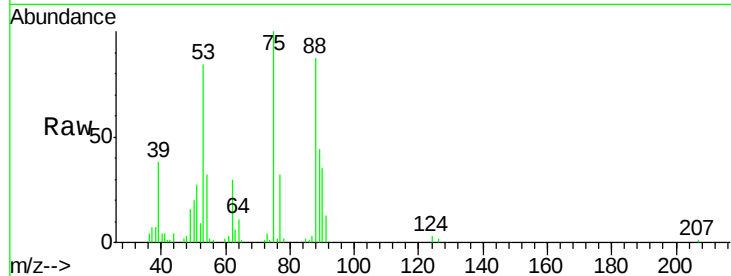
ClientSampleId :

VY0220SBS01

Tot Ion:	75	Resp:	15246
Ion	Ratio	Lower	Upper
75	100		
53	90.3	64.5	96.7
89	43.8	36.3	54.5

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#82

4-Chlorotoluene

Concen: 20.385 ug/l

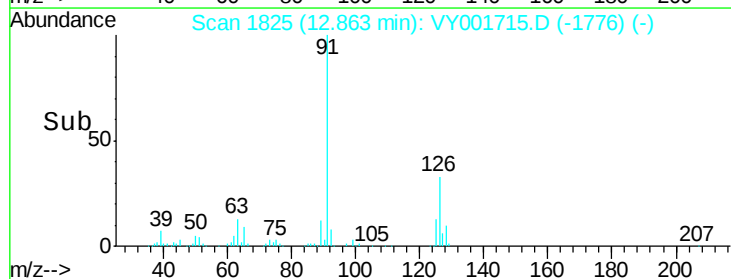
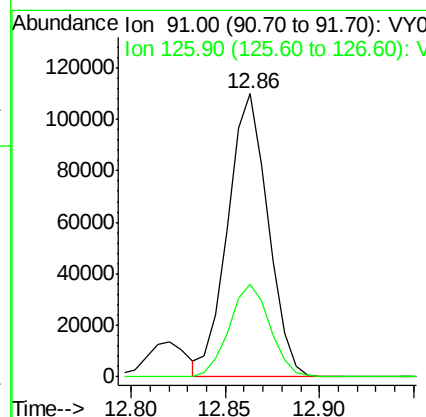
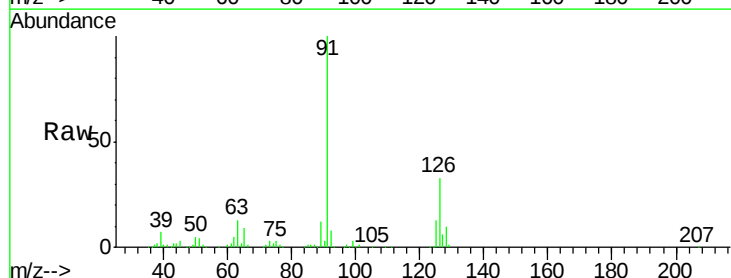
RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion:	91	Resp:	162850
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6





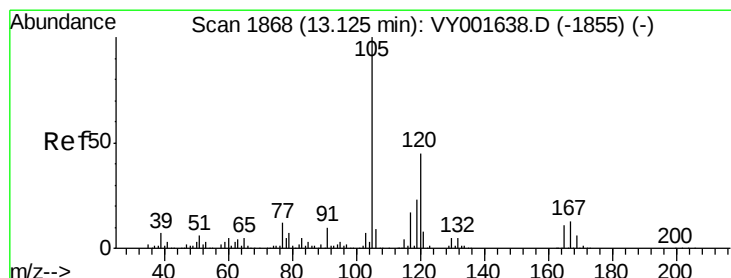
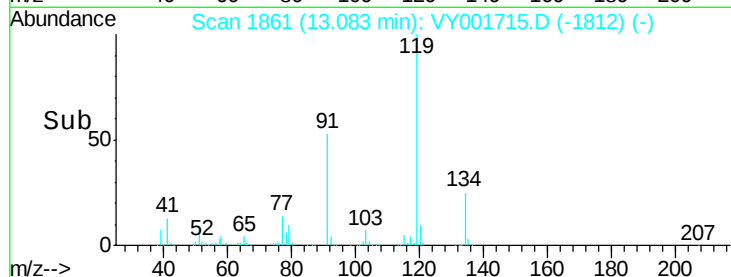
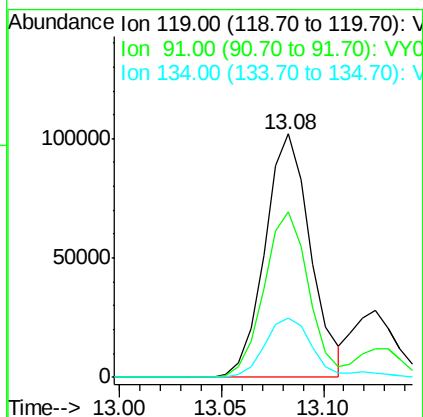
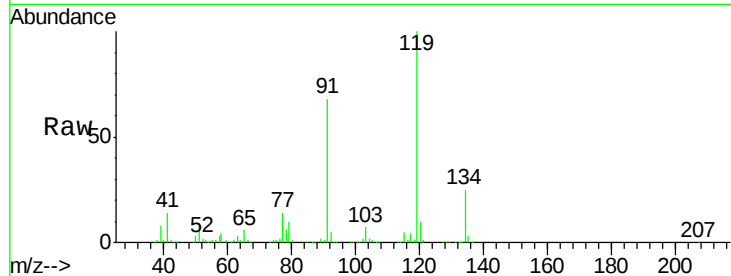
#83
tert-Butylbenzene
Concen: 20.671 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158690		
91	66.1	33.5	100.5	
134	26.3	13.3	39.8	

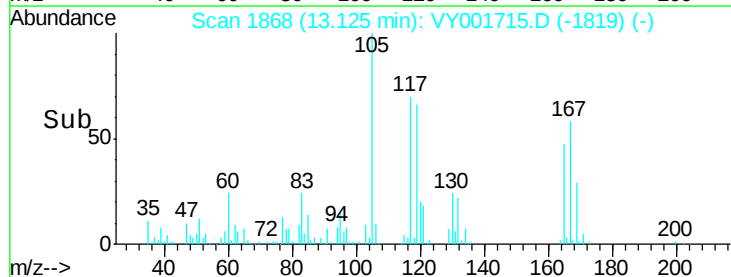
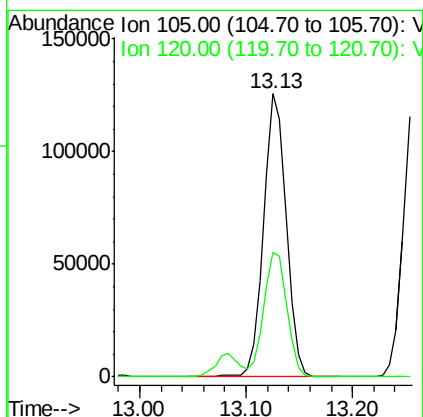
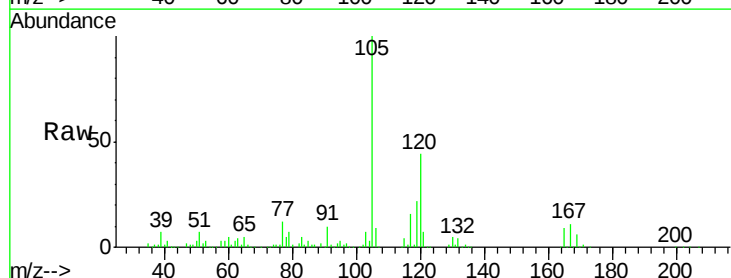
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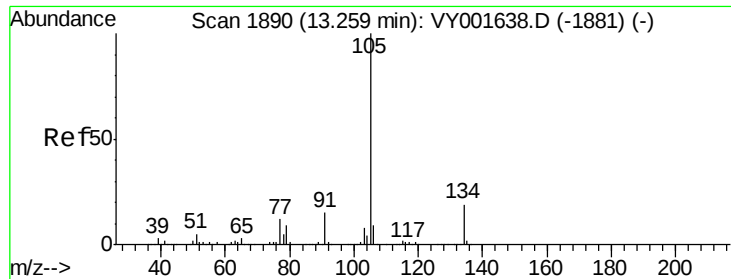
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#84
1,2,4-Trimethylbenzene
Concen: 20.541 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187965		
120	45.0	22.4	67.3	





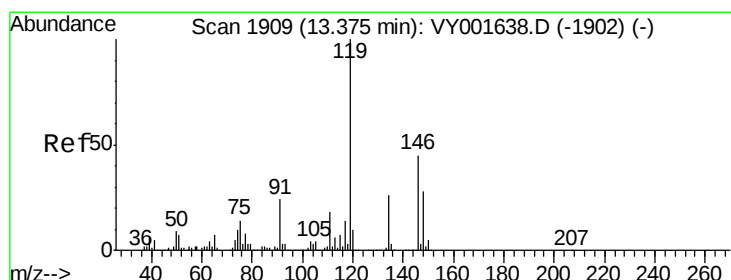
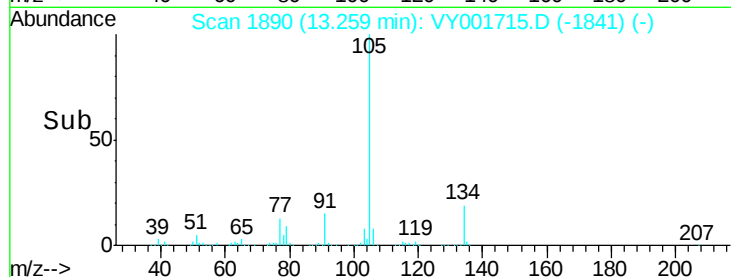
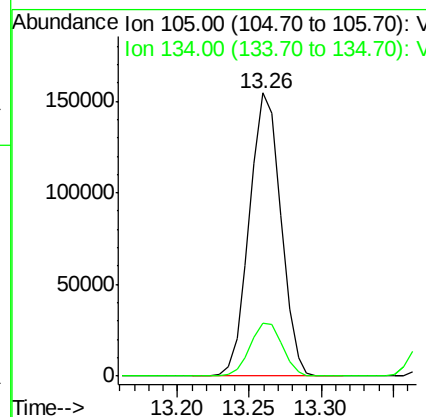
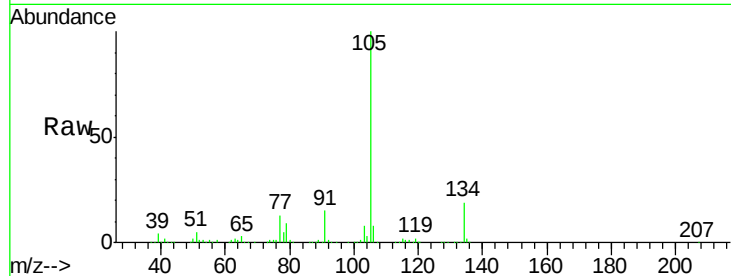
#85
 sec-Butylbenzene
 Concen: 20.655 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.3

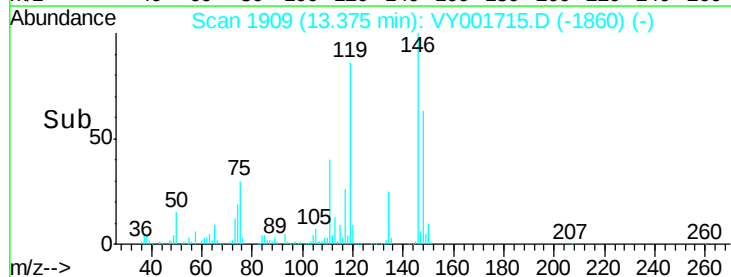
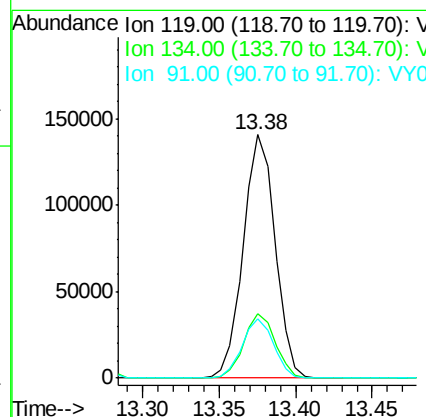
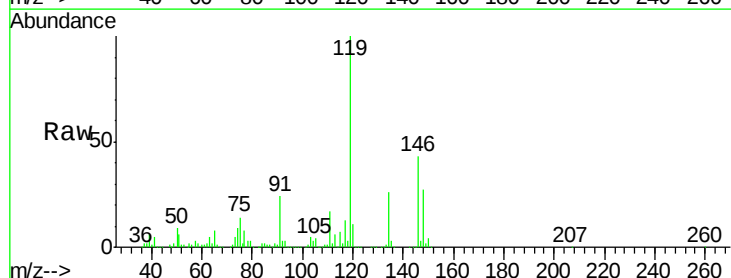
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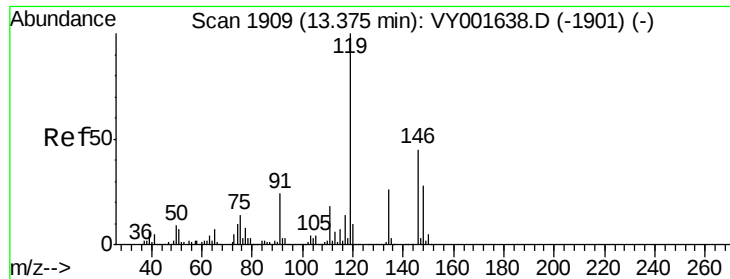
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#86
 p-Isopropyltoluene
 Concen: 20.698 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	24.1	12.2	36.6





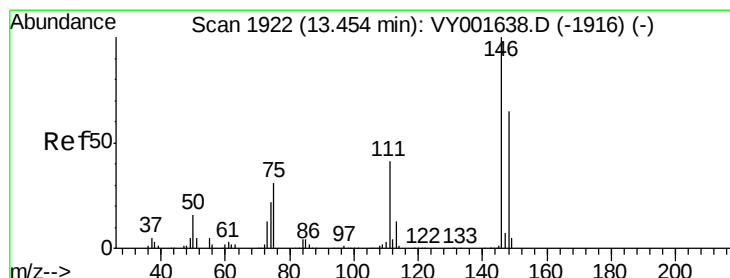
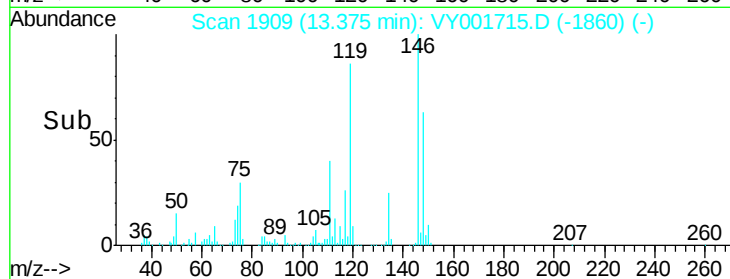
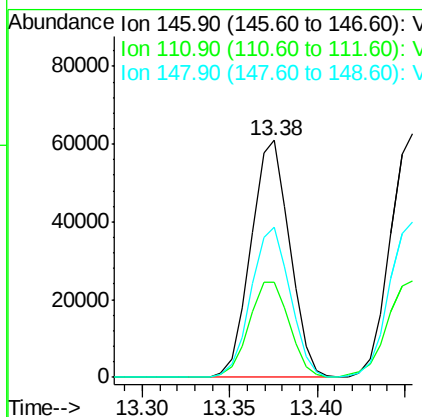
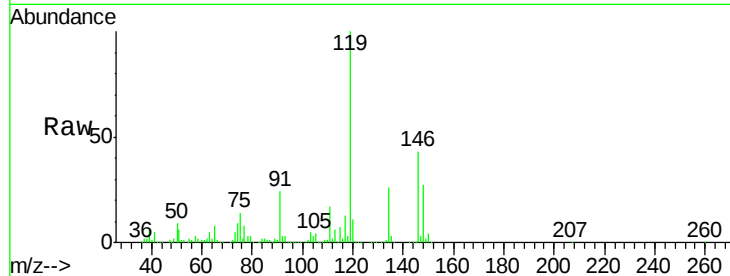
#87
 1,3-Dichlorobenzene
 Concen: 20.153 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0220SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	63.6	31.6	94.7

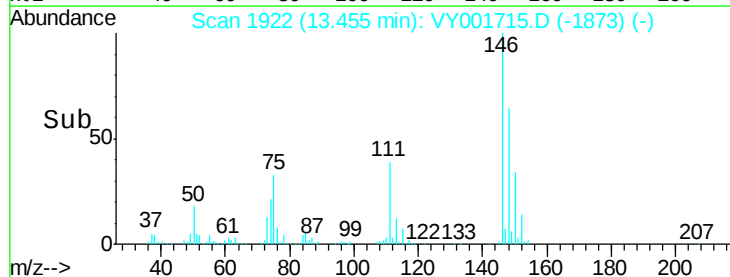
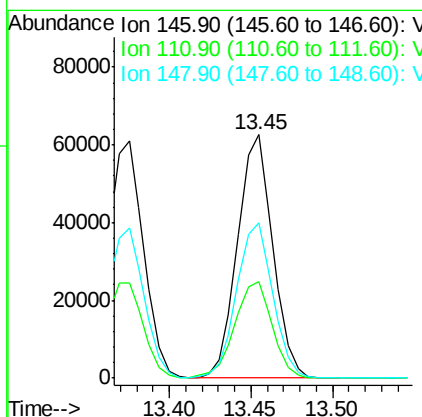
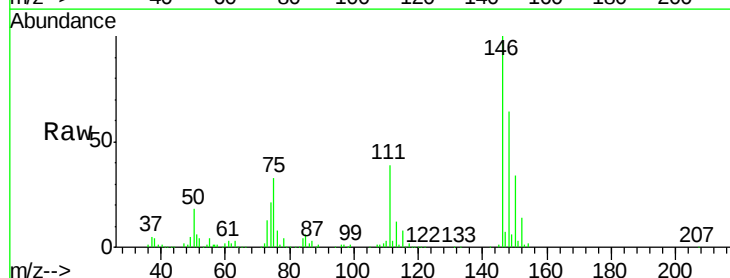
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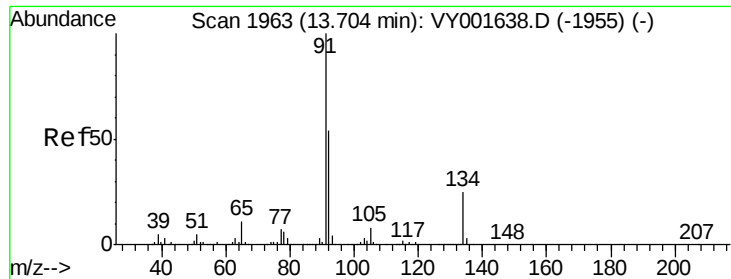
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#88
 1,4-Dichlorobenzene
 Concen: 20.028 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001715.D
 Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	65.4	31.6	94.7





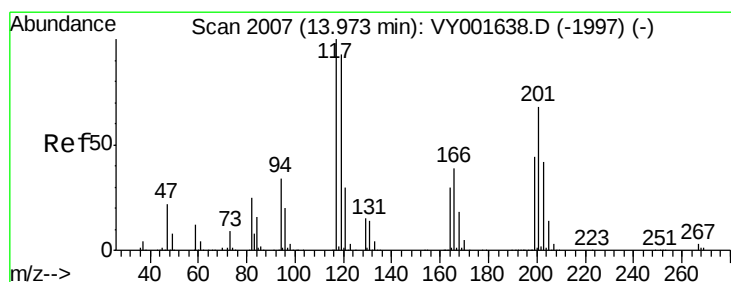
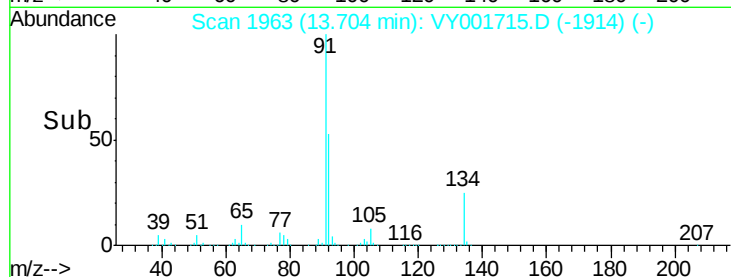
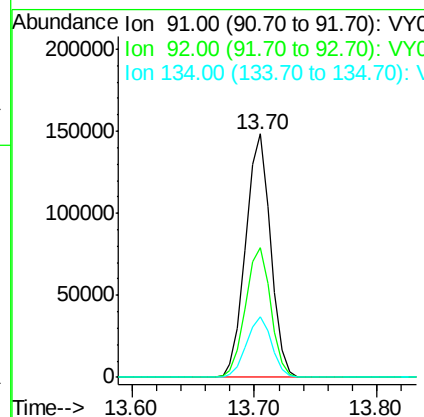
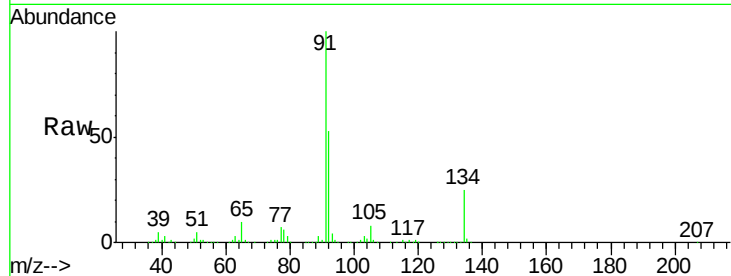
#89
n-Butylbenzene
Concen: 20.853 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208996		
92	54.0		27.5	82.4
134	25.2		12.4	37.4

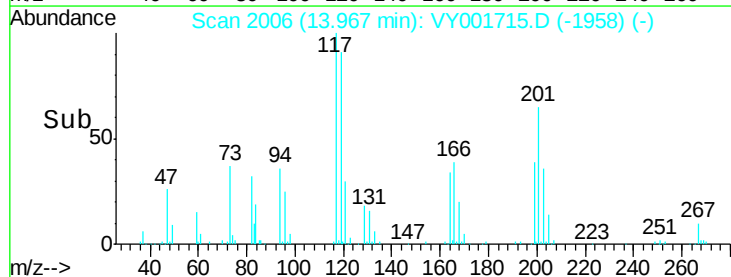
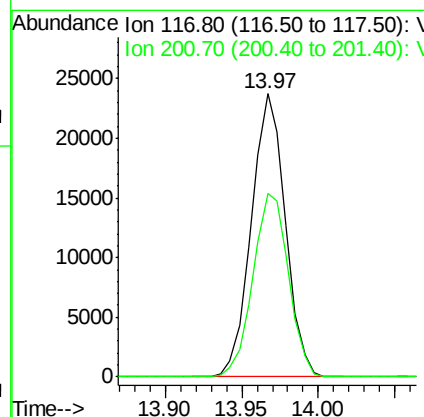
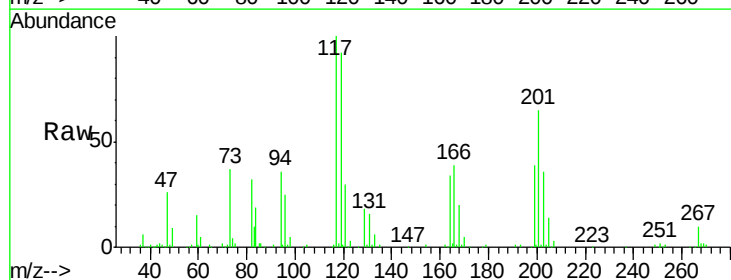
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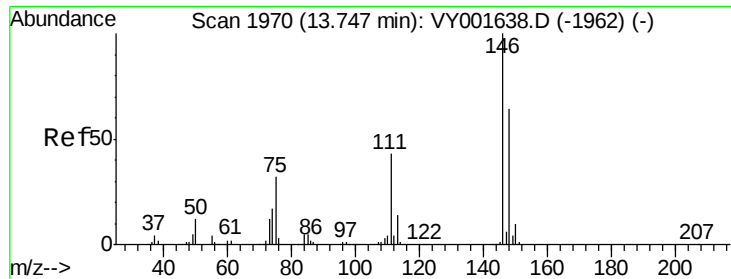
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#90
Hexachloroethane
Concen: 19.794 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36580		
201	67.8		32.5	97.4





#91

1,2-Dichlorobenzene

Concen: 19.541 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0220SBS01

Tot Ion:146 Resp: 84068

Ion Ratio Lower Upper

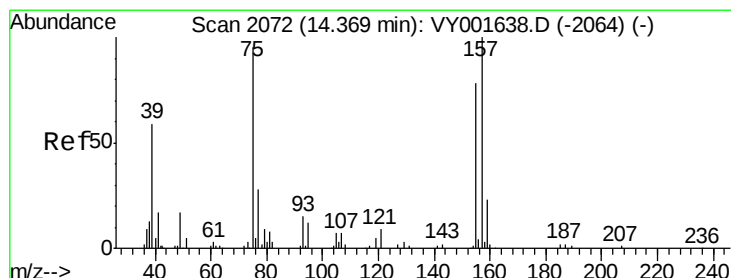
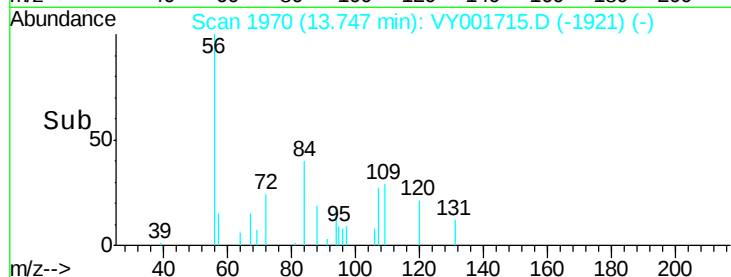
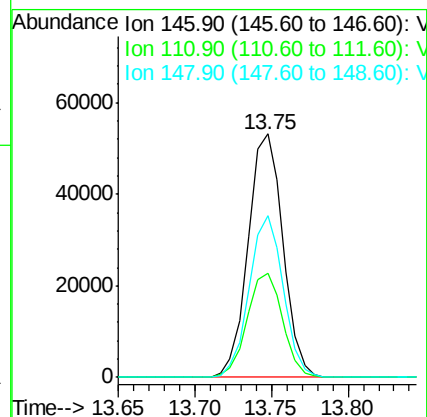
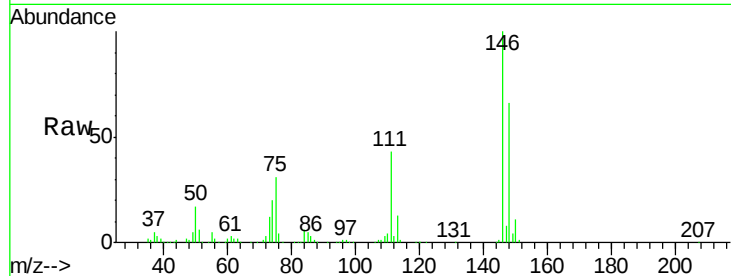
146 100

111 43.5 21.9 65.7

148 65.0 31.5 94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.267 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

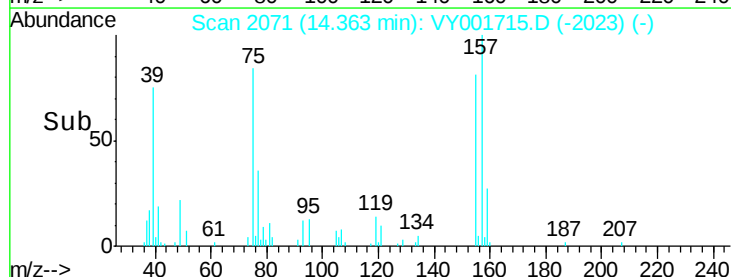
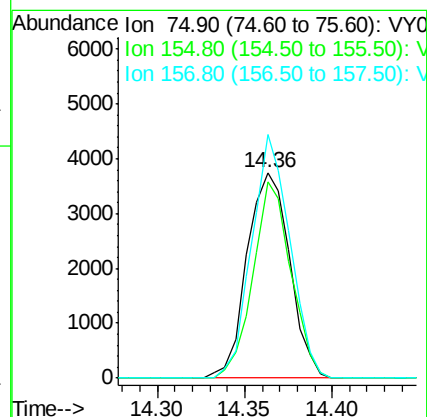
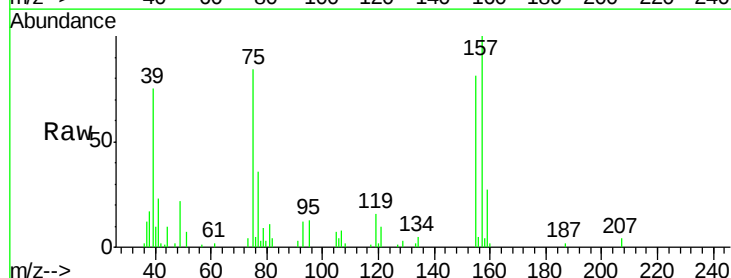
Tgt Ion: 75 Resp: 6356

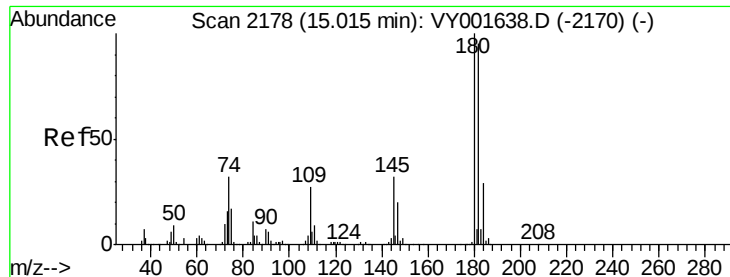
Ion Ratio Lower Upper

75 100

155 84.9 40.8 122.4

157 106.0 52.1 156.4





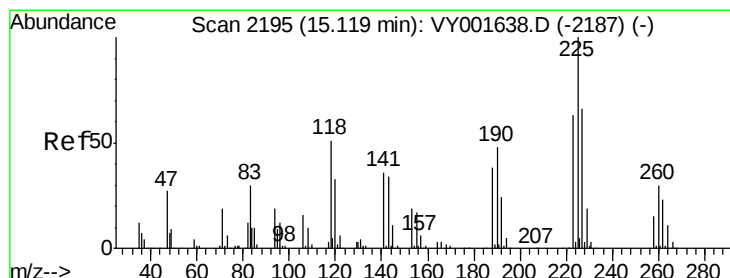
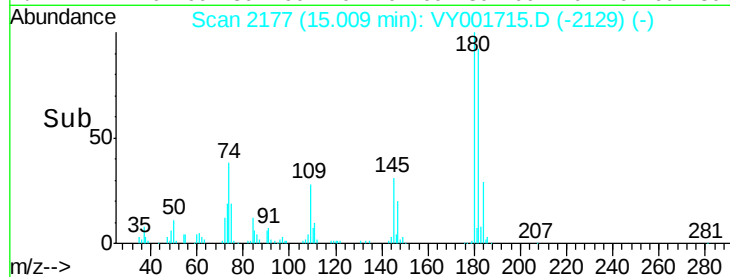
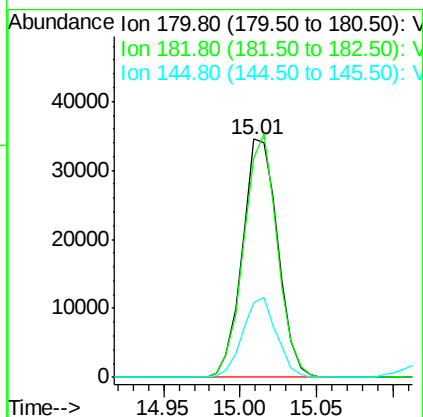
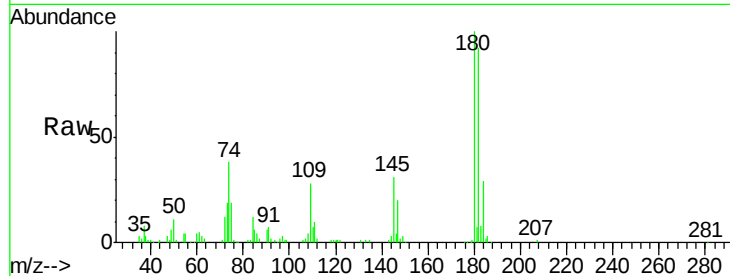
#93
1,2,4-Trichlorobenzene
Concen: 19.453 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55461		
182	97.1	46.8	140.3	
145	32.0	16.2	48.5	

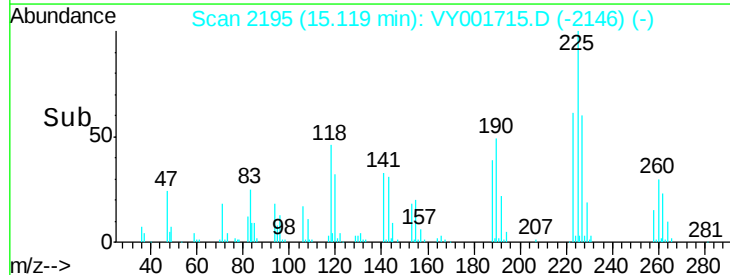
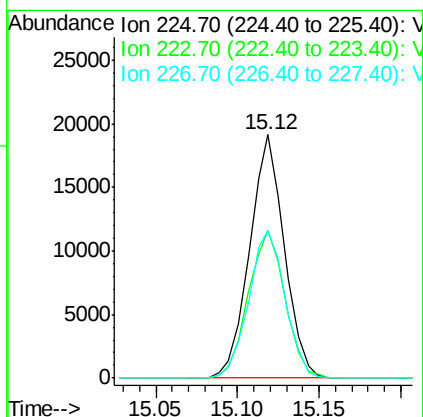
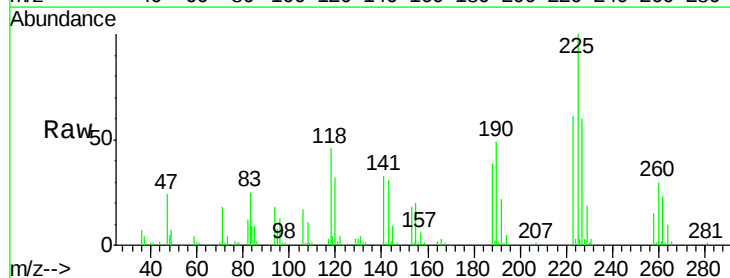
Manual Integrations
APPROVED

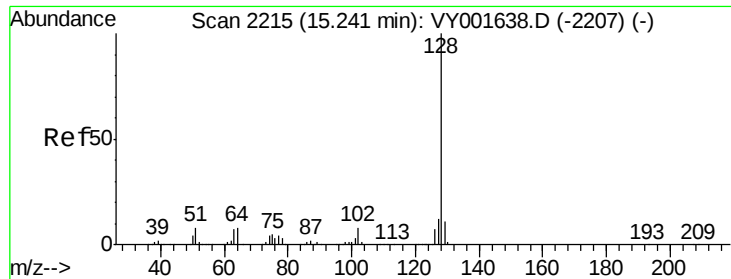
MMDadoda
2/21/2020 3:23:25 PM



#94
Hexachlorobutadiene
Concen: 19.875 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001715.D
Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28180		
223	64.2	31.4	94.0	
227	63.7	31.6	94.8	





#95

Naphthalene

Concen: 18.046 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Instrument :

MSVOA_Y

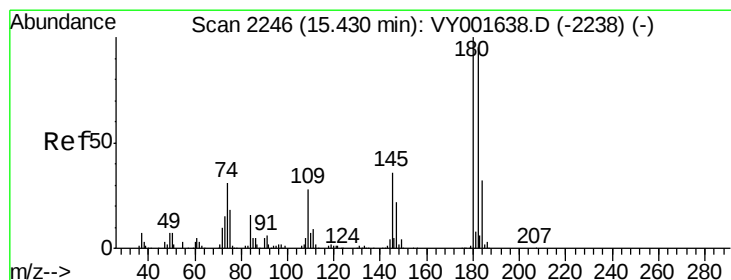
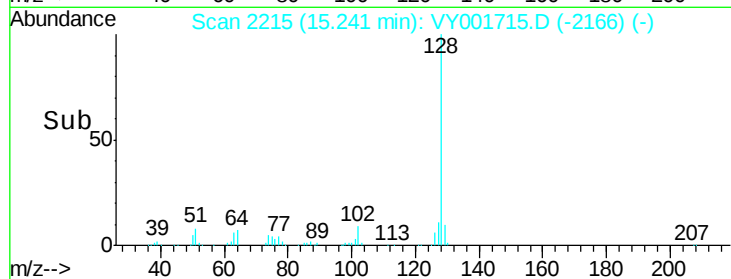
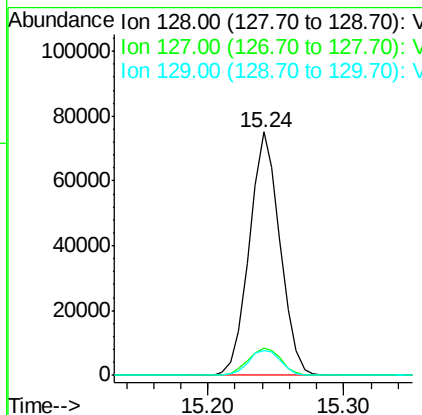
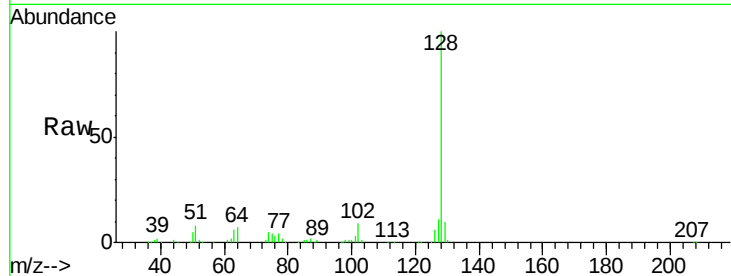
ClientSampleId :

VY0220SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118627		
127	12.2	9.9	14.9	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:23:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.570 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VY001715.D

Acq: 20 Feb 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	49086		
182	96.0	47.2	141.6	
145	33.6	17.3	52.0	

