

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061620\
 Data File : VY002901.D
 Acq On : 16 Jun 2020 11:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 11:14:18 AM

Quant Time: Jun 17 02:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	403260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	374281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	115515	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.72	113	118475	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.18	98	463388	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.48	95	165120	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	85519	44.741	ug/l	97
3) Chloromethane	2.12	50	97353	46.046	ug/l	98
4) Vinyl Chloride	2.26	62	109076	48.811	ug/l	100
5) Bromomethane	2.65	94	73570	43.932	ug/l	100
6) Chloroethane	2.80	64	67625	46.681	ug/l	100
7) Trichlorofluoromethane	3.13	101	194775	49.213	ug/l	99
8) Diethyl Ether	3.54	74	68658	44.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	117615	50.051	ug/l	97
10) Methyl Iodide	4.10	142	158466	48.193	ug/l	98
11) Tert butyl alcohol	4.98	59	54537	208.239	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	115187	48.741	ug/l	98
13) Acrolein	3.74	56	56889	201.263	ug/l	99
14) Allyl chloride	4.49	41	161201	47.560	ug/l	98
15) Acrylonitrile	5.18	53	167972	240.928	ug/l	100
16) Acetone	3.96	43	169696	300.036	ug/l	98
17) Carbon Disulfide	4.20	76	306535	42.924	ug/l	97
18) Methyl Acetate	4.49	43	68723	48.393	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	325168	49.841	ug/l	99
20) Methylene Chloride	4.72	84	132371	47.891	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	125425	47.193	ug/l	97
22) Diisopropyl ether	6.13	45	339504	48.202	ug/l	97
23) Vinyl Acetate	6.07	43	1143428	245.888	ug/l	99
24) 1,1-Dichloroethane	6.03	63	204202	49.561	ug/l	99
25) 2-Butanone	7.00	43	222824	252.869	ug/l	99
26) 2,2-Dichloropropane	6.99	77	195533	49.483	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	144311	48.505	ug/l	99
28) Bromochloromethane	7.34	49	79177	46.812	ug/l	96
29) Tetrahydrofuran	7.36	42	132789	231.673	ug/l	98
30) Chloroform	7.52	83	220654	50.469	ug/l	97
31) Cyclohexane	7.78	56	178423	43.616	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	206710	50.737	ug/l	100
36) 1,1-Dichloropropene	7.92	75	165792	48.806	ug/l	99
37) Ethyl Acetate	7.08	43	89211	48.269	ug/l	99
38) Carbon Tetrachloride	7.91	117	192913	51.121	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	214691	47.949	ug/l	99
40) Benzene	8.16	78	498368	49.651	ug/l	100
41) Methacrylonitrile	7.33	41	54887m	55.279	ug/l	
42) 1,2-Dichloroethane	8.24	62	139563	49.614	ug/l	100
43) Isopropyl Acetate	8.28	43	173490	49.535	ug/l	99
44) Trichloroethene	8.94	130	156525	49.369	ug/l	98
45) 1,2-Dichloropropane	9.22	63	121758	50.584	ug/l	100
46) Dibromomethane	9.31	93	70733	49.480	ug/l	100
47) Bromodichloromethane	9.50	83	175083	51.953	ug/l	99
48) Methyl methacrylate	9.30	41	77207	48.832	ug/l	100
49) 1,4-Dioxane	9.31	88	20007	911.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	468850	252.805	ug/l	100
52) Toluene	10.24	92	329062	50.115	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	190300	51.699	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	212491	50.946	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	110078	50.297	ug/l	99
56) Ethyl methacrylate	10.51	69	149608	51.037	ug/l	99
57) 1,3-Dichloropropane	10.79	76	179103	49.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	354559	247.537	ug/l	99
59) 2-Hexanone	10.83	43	343326	260.911	ug/l	100
60) Dibromochloromethane	10.99	129	143730	51.801	ug/l	99
61) 1,2-Dibromoethane	11.09	107	108120	50.081	ug/l	99
64) Tetrachloroethene	10.72	164	163513	48.068	ug/l	99
65) Chlorobenzene	11.52	112	375503	50.760	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	144343	51.808	ug/l	99
67) Ethyl Benzene	11.60	91	652408	50.871	ug/l	100
68) m/p-Xylenes	11.70	106	507052	101.973	ug/l	99
69) o-Xylene	12.03	106	242197	51.596	ug/l	99
70) Styrene	12.04	104	423840	52.085	ug/l	100
71) Bromoform	12.21	173	99299	53.264	ug/l #	100
73) Isopropylbenzene	12.33	105	666693	49.736	ug/l	100
74) N-amyl acetate	12.14	43	165029	47.982	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	120444	51.211	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	95837m	50.848	ug/l	
77) Bromobenzene	12.61	156	169600	48.591	ug/l	99
78) n-propylbenzene	12.67	91	758972	49.017	ug/l	99
79) 2-Chlorotoluene	12.75	91	426497	49.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	558968	49.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	49426	49.406	ug/l	99
82) 4-Chlorotoluene	12.86	91	444631	48.860	ug/l	99
83) tert-Butylbenzene	13.08	119	497256	49.808	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	565427	50.243	ug/l	100
85) sec-Butylbenzene	13.25	105	682289	49.982	ug/l	100
86) p-Isopropyltoluene	13.37	119	639204	50.324	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	327278	49.502	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	330393	49.956	ug/l	99
89) n-Butylbenzene	13.70	91	576347	49.978	ug/l	99
90) Hexachloroethane	13.96	117	120172	50.537	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	301608	50.302	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	22902	50.613	ug/l	97

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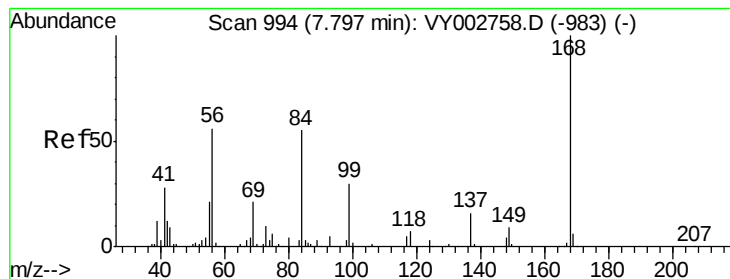
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	225236	49.837	ug/l	99
94) Hexachlorobutadiene	15.11	225	129657	50.582	ug/l	99
95) Naphthalene	15.23	128	451323	49.806	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	200438	49.665	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 277792

Ion Ratio Lower Upper

168 100

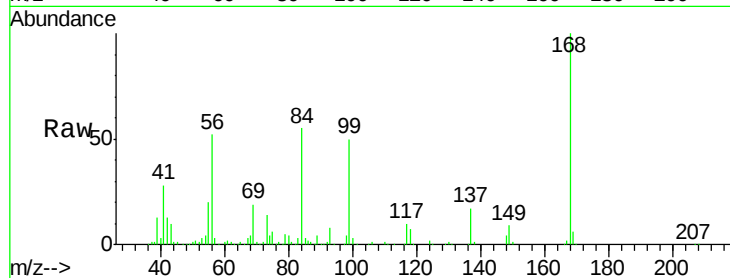
99 50.1 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

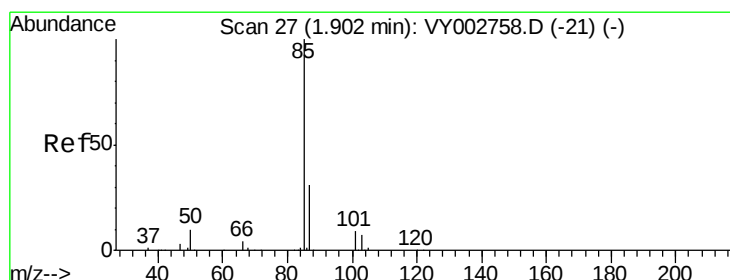
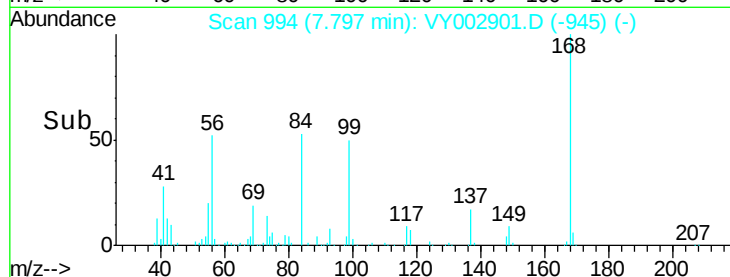
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.741 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002901.D

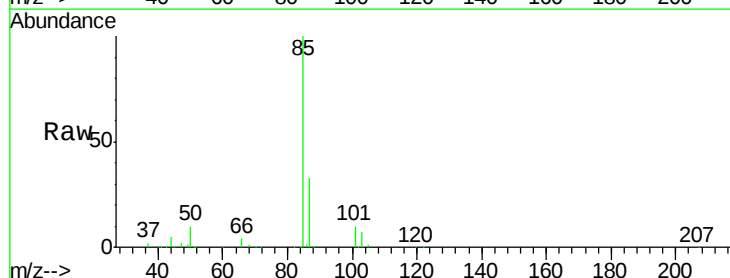
Acq: 16 Jun 2020 11:22

Tgt Ion: 85 Resp: 85519

Ion Ratio Lower Upper

85 100

87 32.9 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002758.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002758.D (-21) (-)

1.91

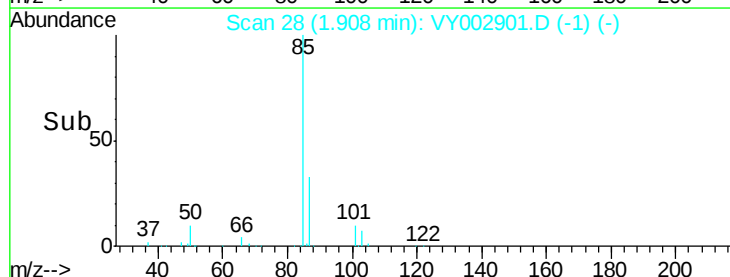
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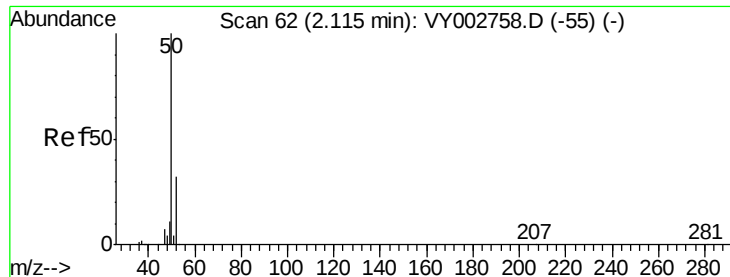
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20000

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Time-->





#3

Chloromethane

Concen: 46.046 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97353

Ion Ratio Lower Upper

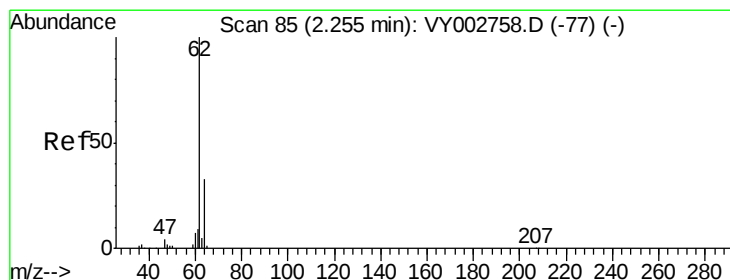
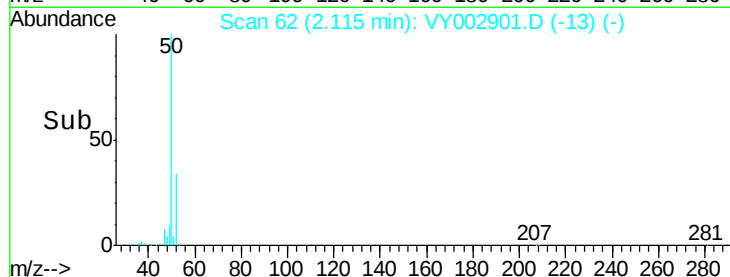
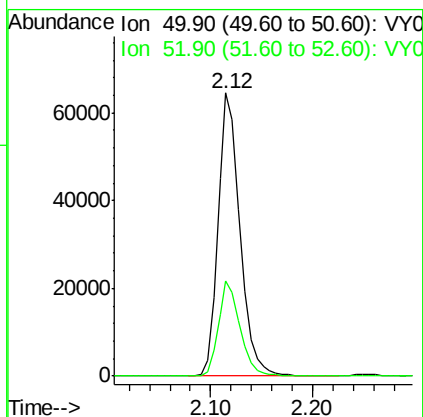
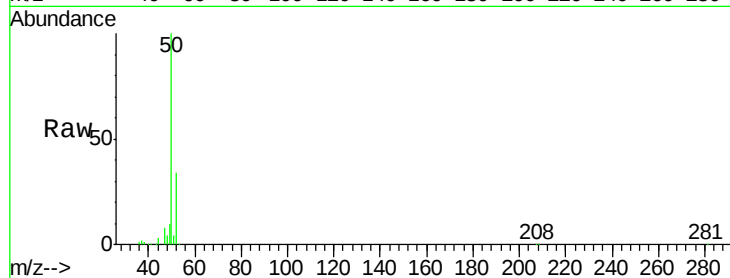
50 100

52 33.5 25.8 38.6

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#4

Vinyl Chloride

Concen: 48.811 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002901.D

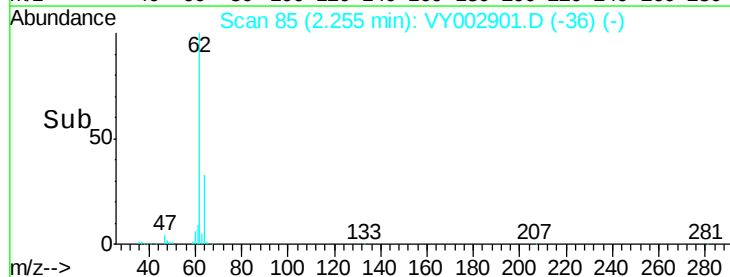
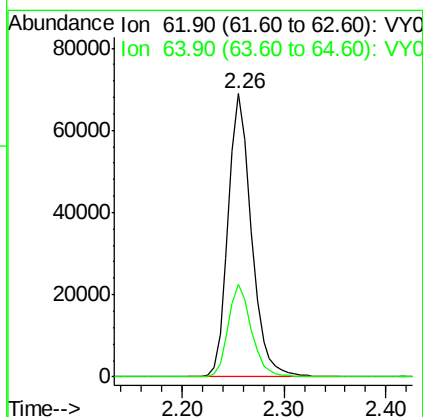
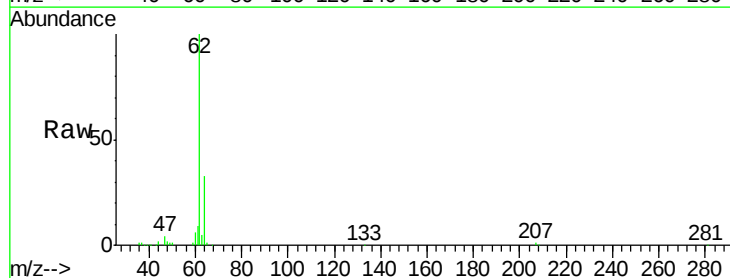
Acq: 16 Jun 2020 11:22

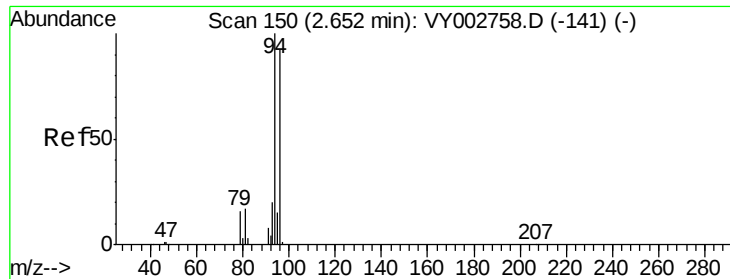
Tgt Ion: 62 Resp: 109076

Ion Ratio Lower Upper

62 100

64 32.7 26.1 39.1





#5

Bromomethane

Concen: 43.932 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73570

Ion Ratio Lower Upper

94 100

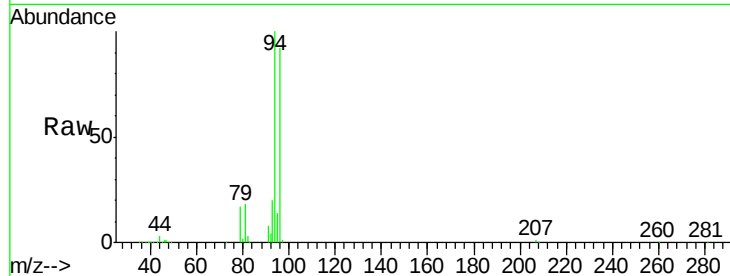
96 91.7 73.7 110.5

Manual Integrations

APPROVED

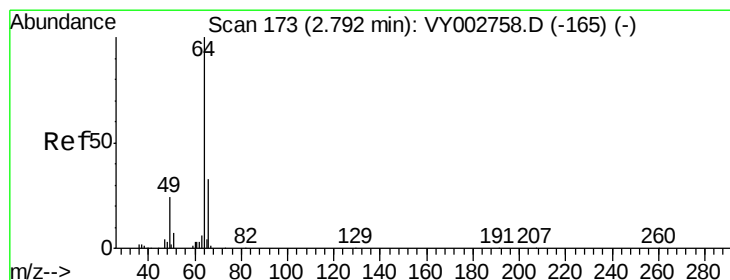
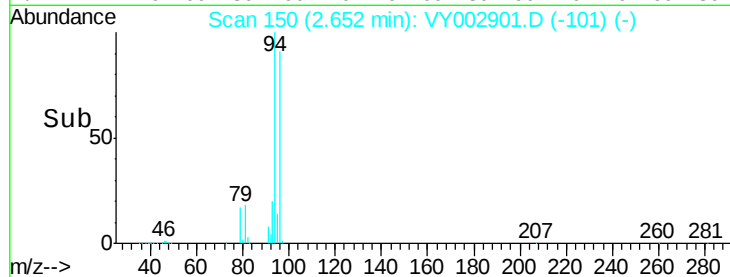
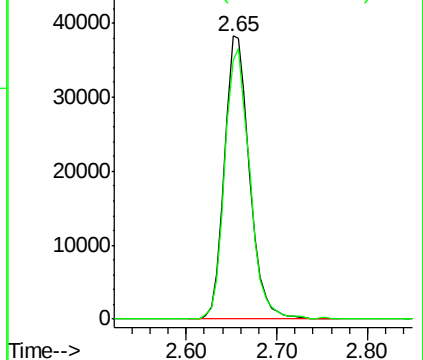
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.681 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002901.D

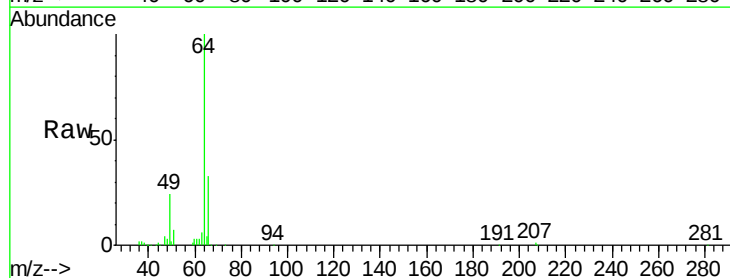
Acq: 16 Jun 2020 11:22

Tgt Ion: 64 Resp: 67625

Ion Ratio Lower Upper

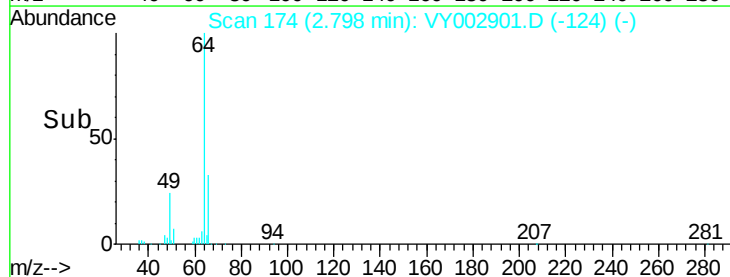
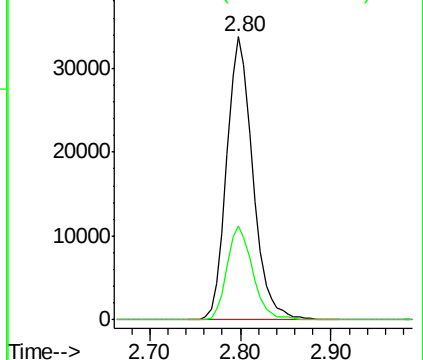
64 100

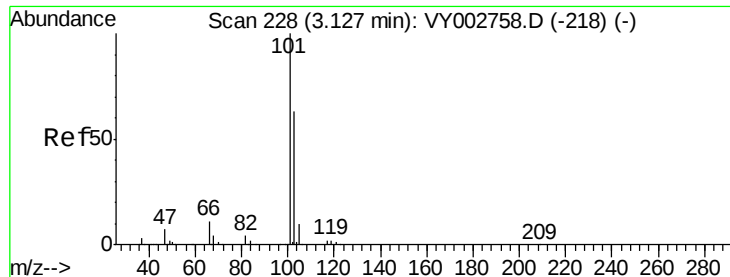
66 33.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

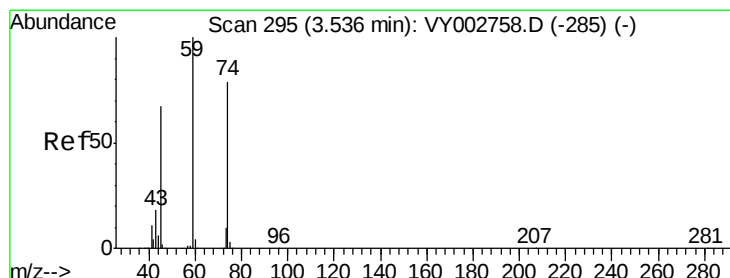
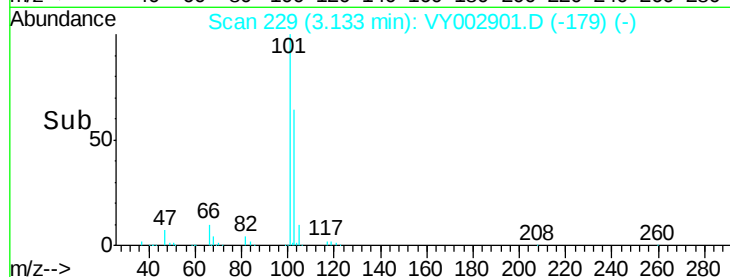
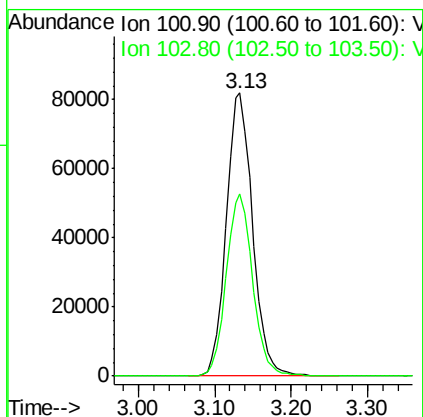
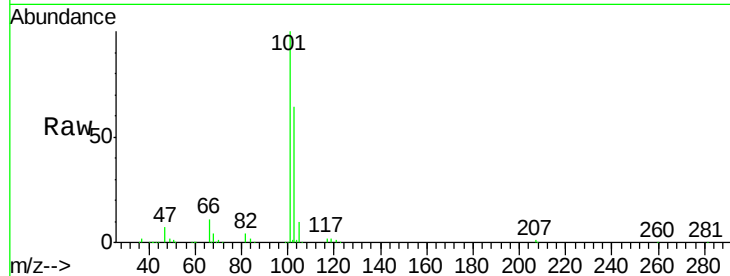
Trichlorofluoromethane
Concen: 49.213 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.6	76.0

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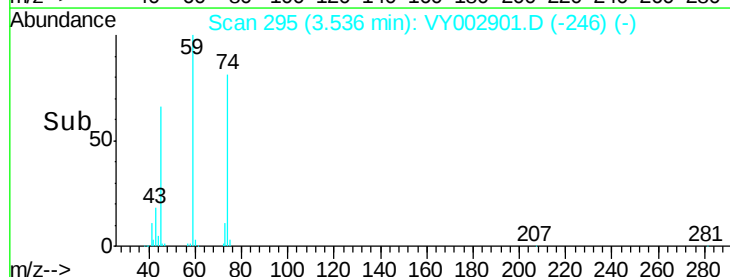
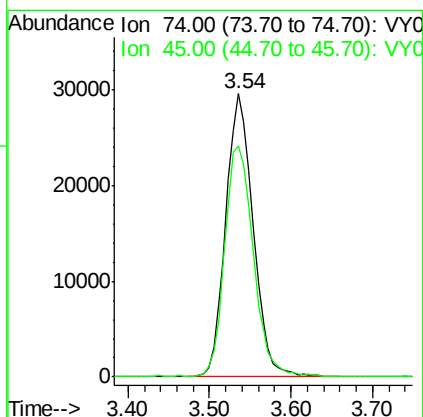
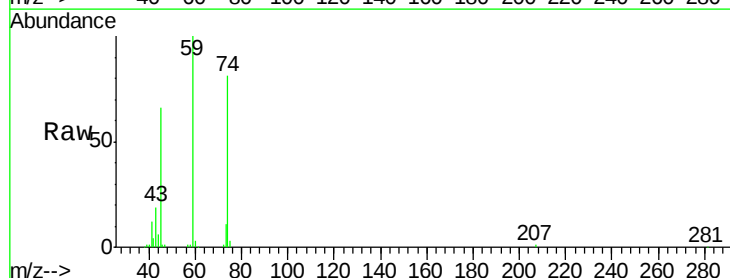
MMDadoda
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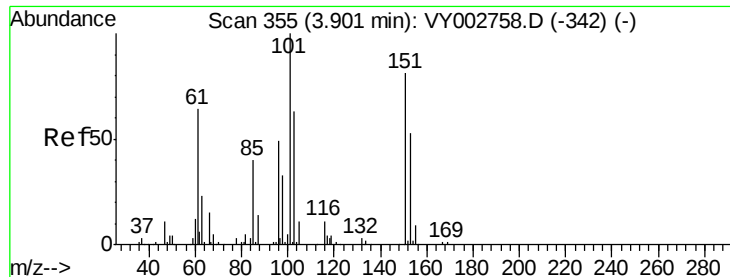


#8

Diethyl Ether
Concen: 44.427 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.8	44.0	131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.051 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002901.D

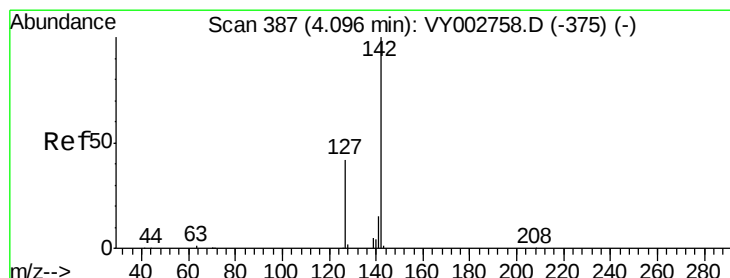
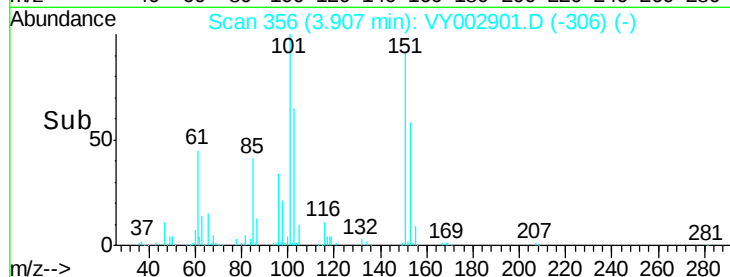
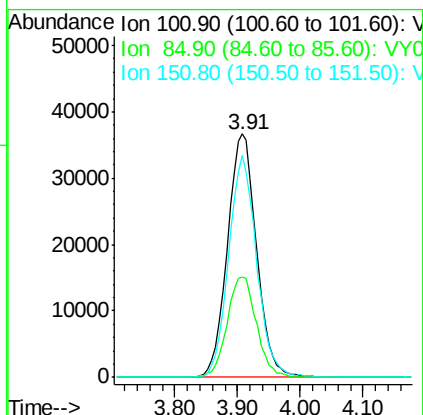
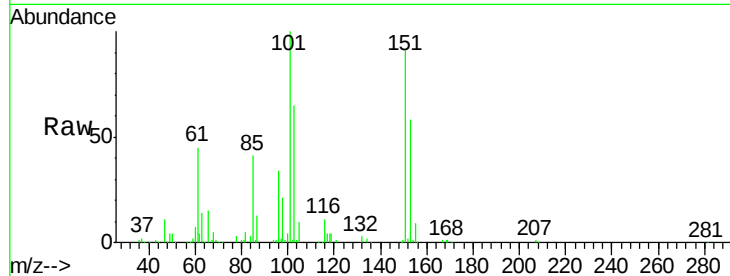
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	117615		
85	41.5	32.7	49.1	
151	88.0	68.0	102.0	

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#10

Methyl Iodide

Concen: 48.193 ug/l

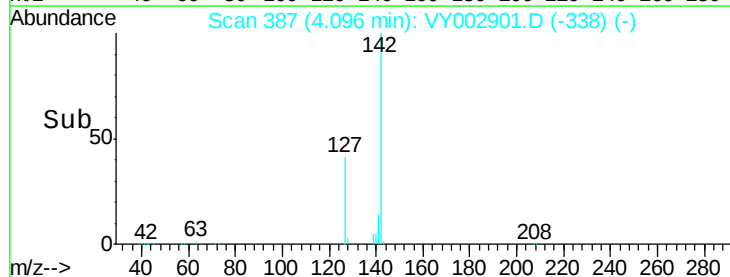
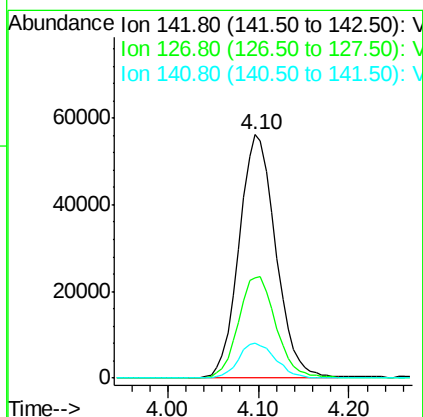
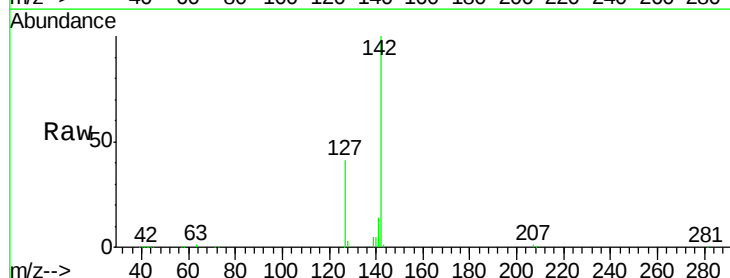
RT: 4.10 min Scan# 387

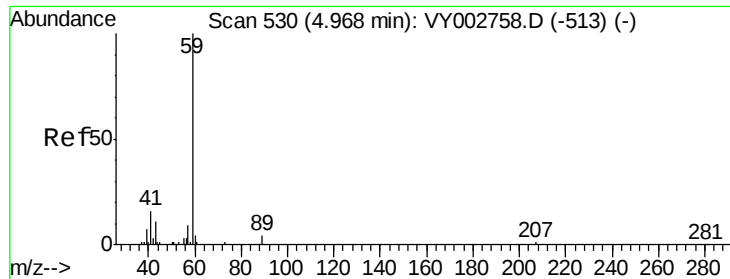
Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	158466		
127	42.8	33.3	49.9	
141	14.6	11.5	17.3	





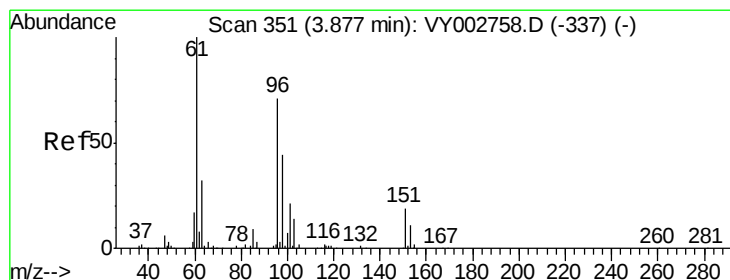
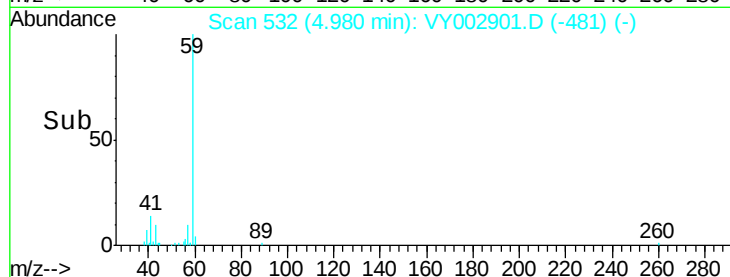
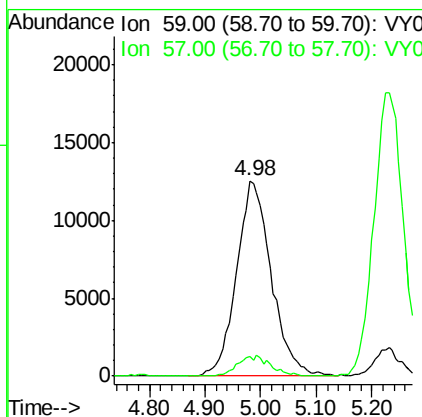
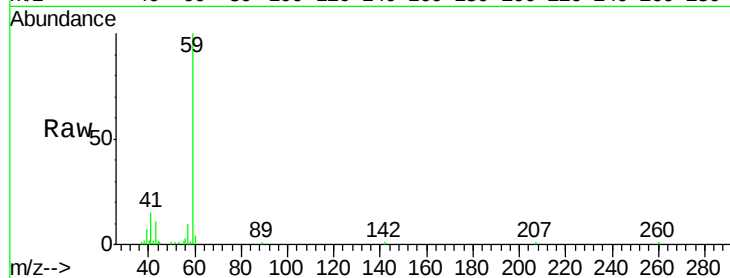
#11
Tert butyl alcohol
Concen: 208.239 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 54537
Ion Ratio Lower Upper
59 100
57 4.8 7.7 11.5#

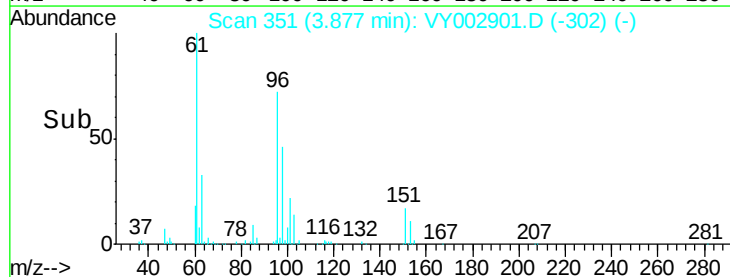
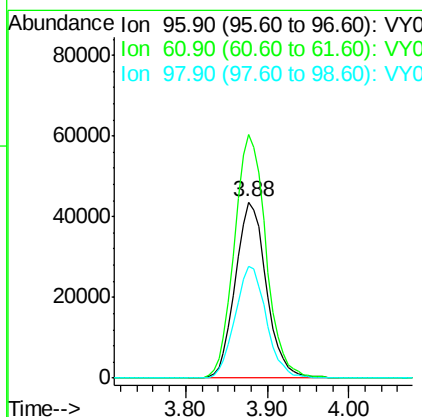
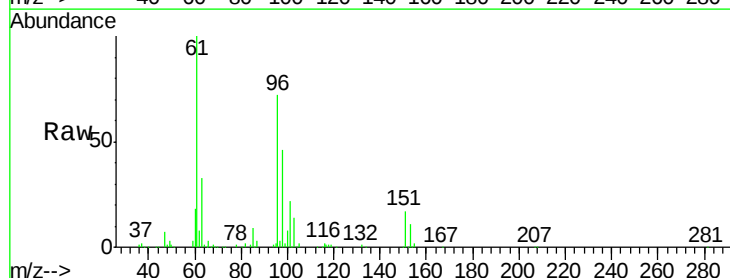
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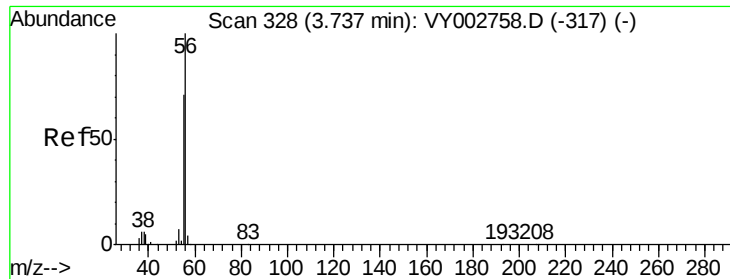
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#12
1,1-Dichloroethene
Concen: 48.741 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion: 96 Resp: 115187
Ion Ratio Lower Upper
96 100
61 138.0 112.6 168.8
98 63.4 50.0 75.0





#13

Acrolein

Concen: 201.263 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56889

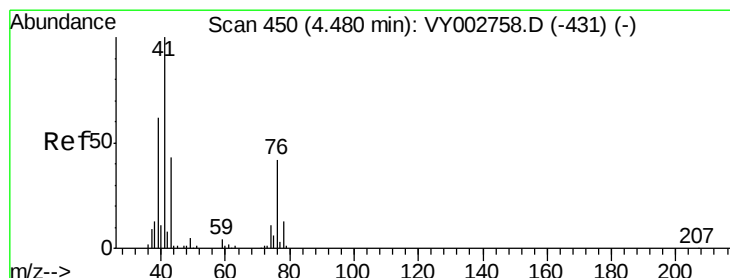
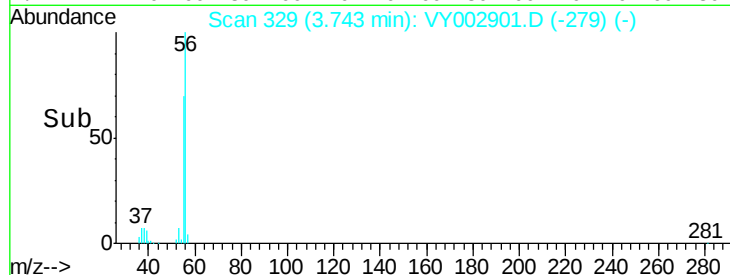
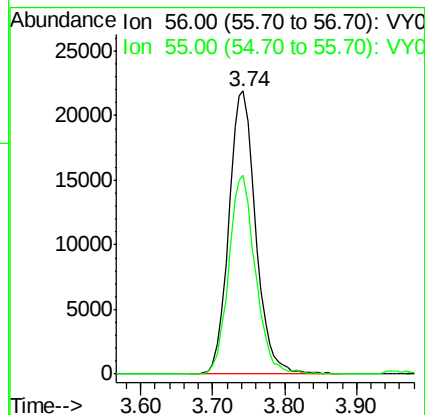
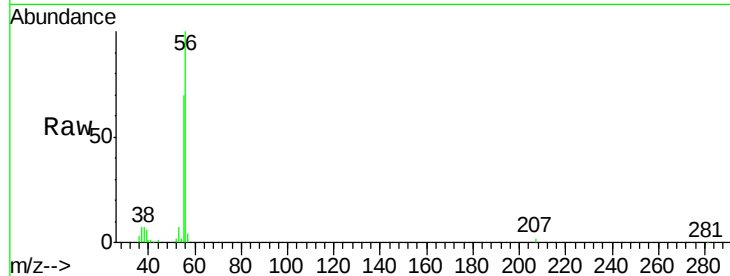
Ion Ratio Lower Upper

56 100

55 69.5 56.0 84.0

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#14

Allyl chloride

Concen: 47.560 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

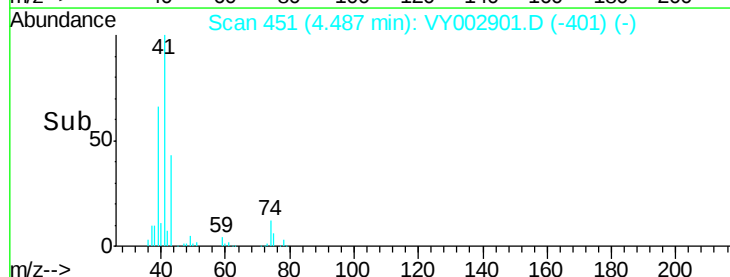
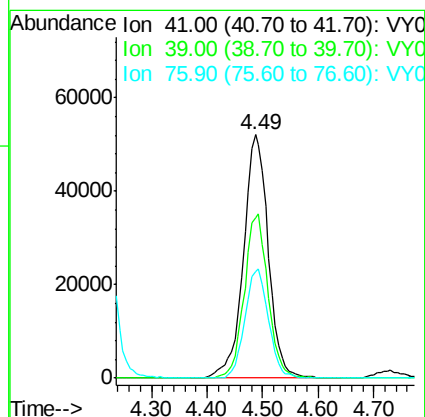
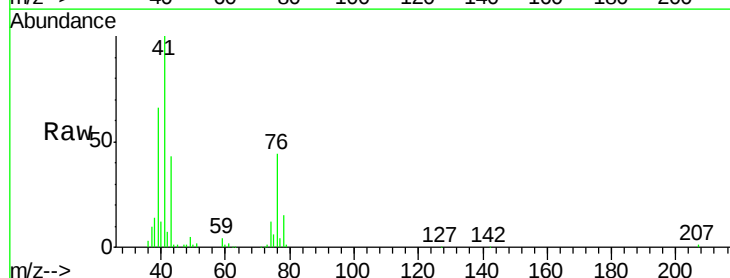
Tgt Ion: 41 Resp: 161201

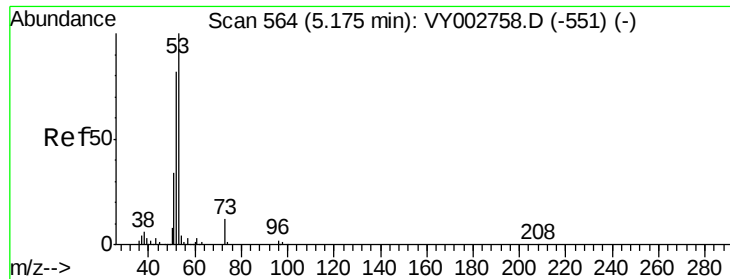
Ion Ratio Lower Upper

41 100

39 64.6 49.9 74.9

76 42.6 33.2 49.8





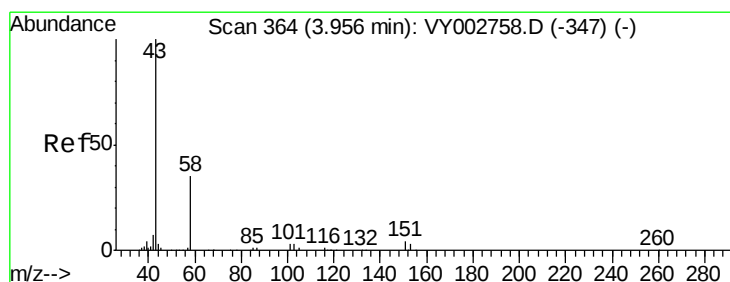
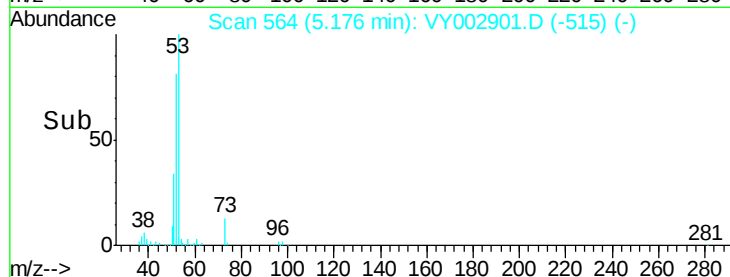
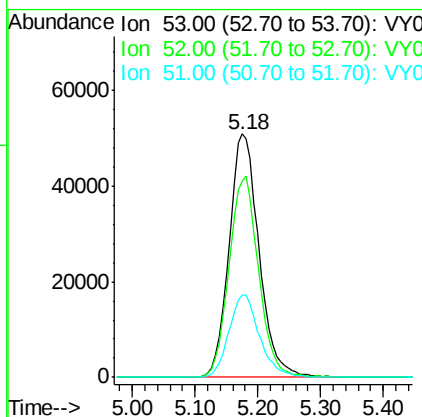
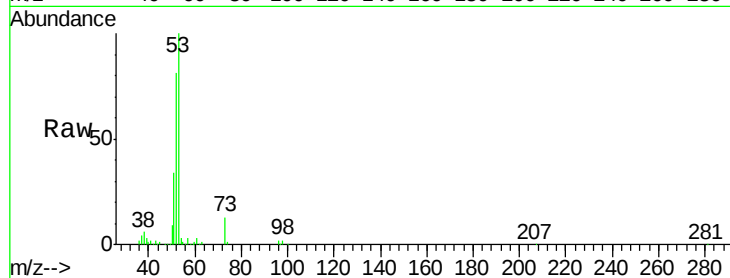
#15
 Acrylonitrile
 Concen: 240.928 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	167972
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	34.7	28.0	42.0

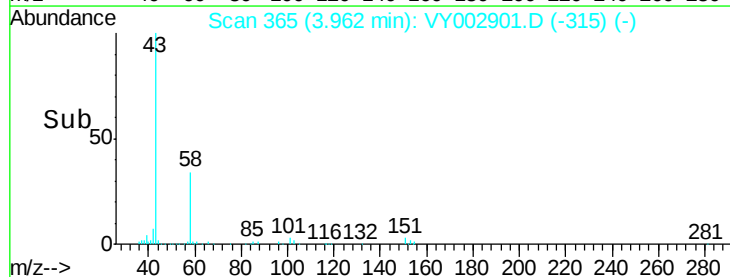
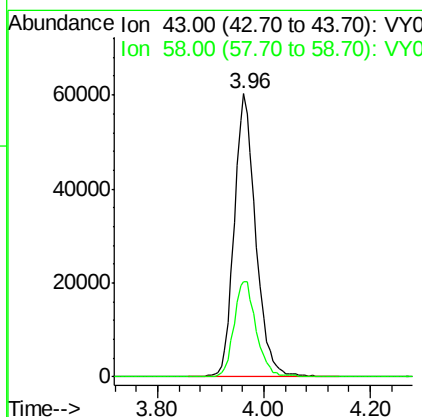
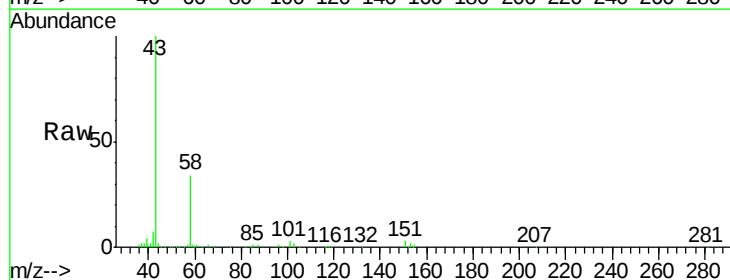
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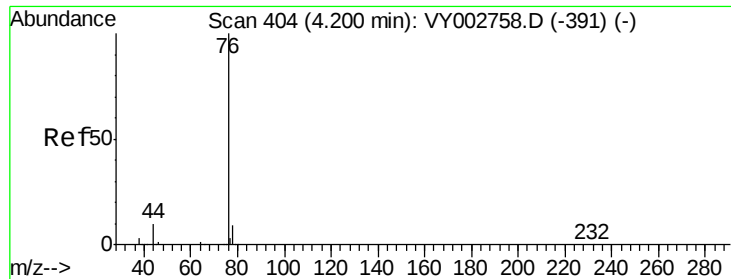
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#16
 Acetone
 Concen: 300.036 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion:	43	Resp:	169696
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.7	41.5





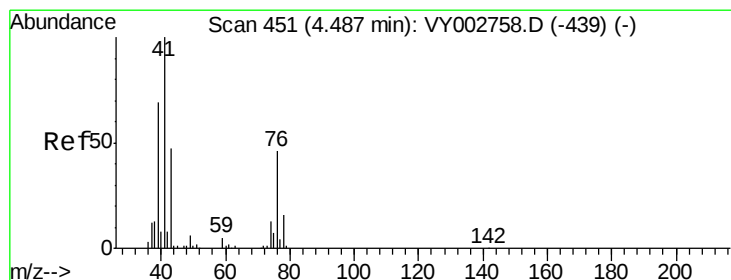
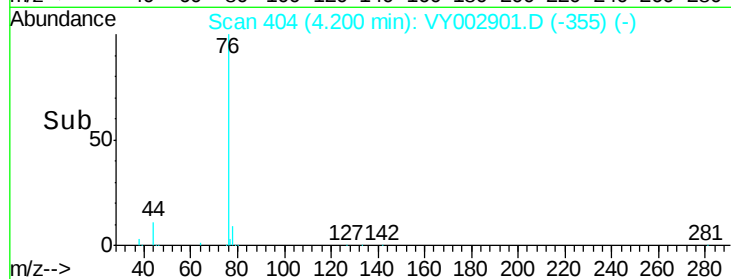
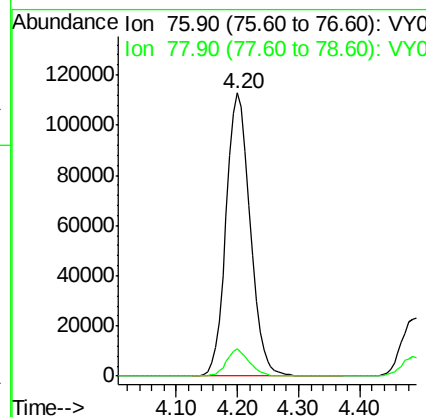
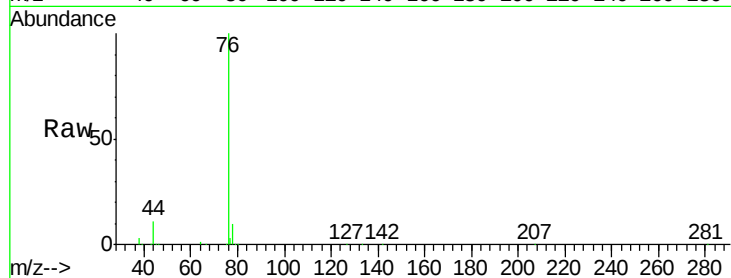
#17
Carbon Disulfide
Concen: 42.924 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.9	10.3

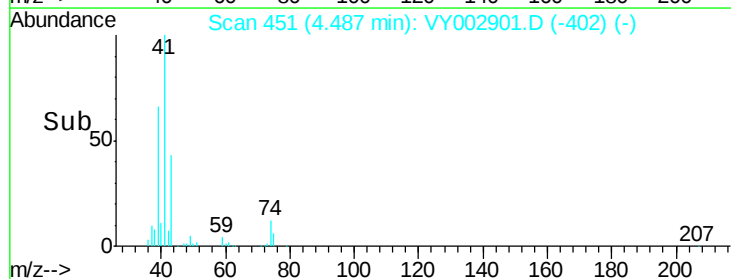
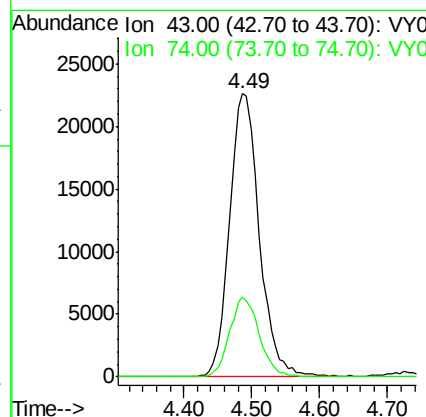
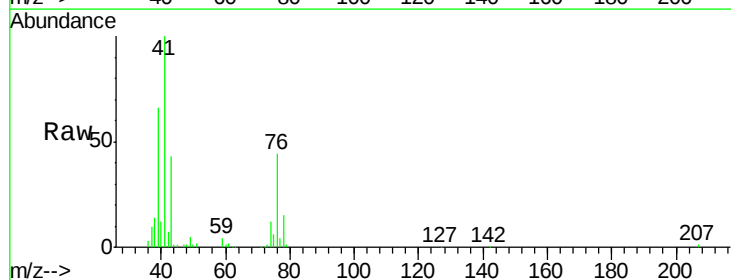
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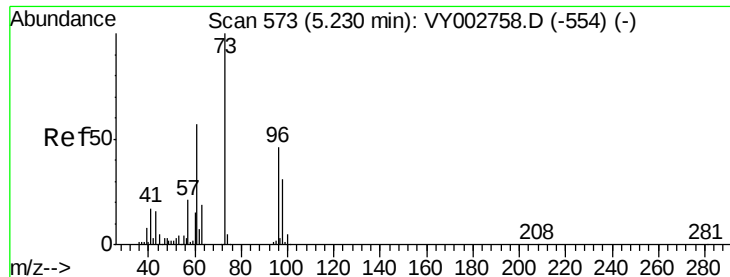
MMDadoda
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#18
Methyl Acetate
Concen: 48.393 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.4	32.0





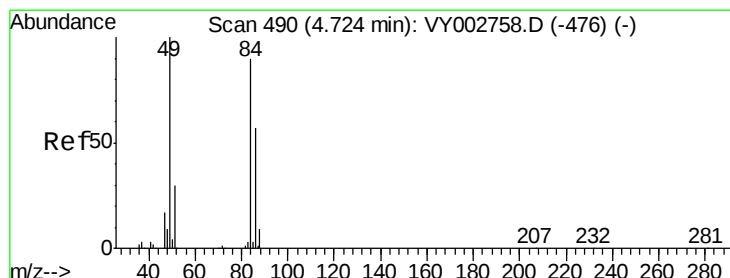
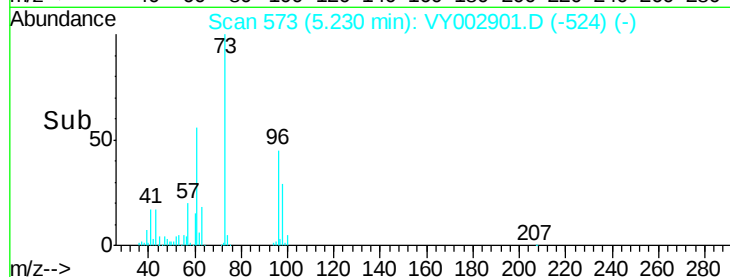
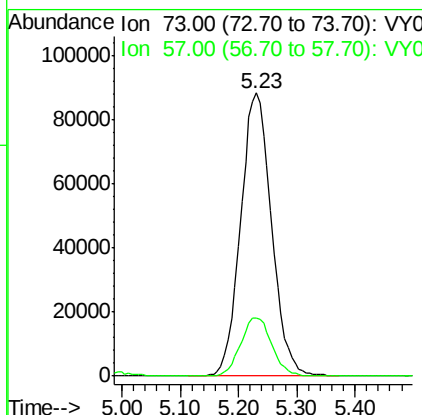
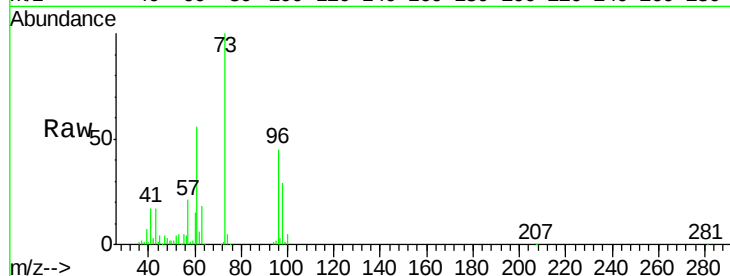
#19
Methvl tert-butvl Ether
Concen: 49.841 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.0	25.4

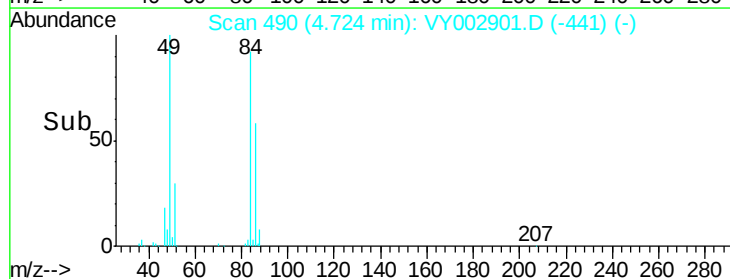
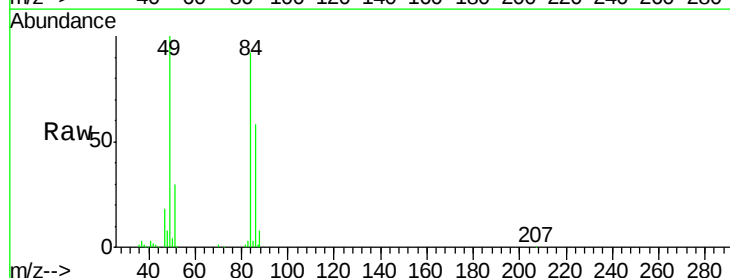
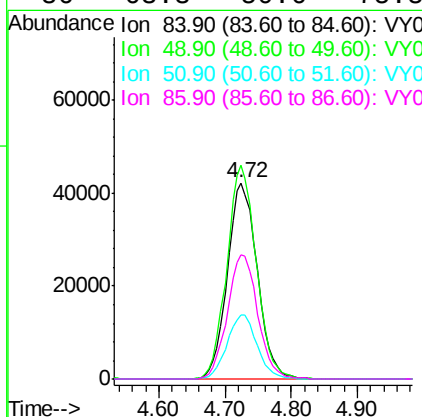
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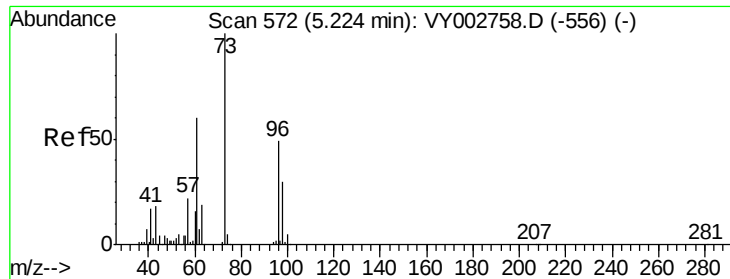
MMDadoda
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#20
Methylene Chloride
Concen: 47.891 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.9	88.5	132.7
51	32.9	26.8	40.2
86	63.3	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 47.193 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

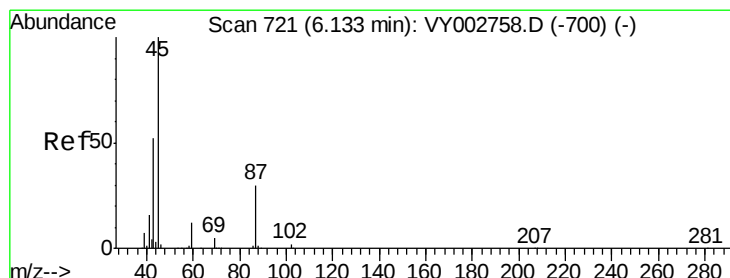
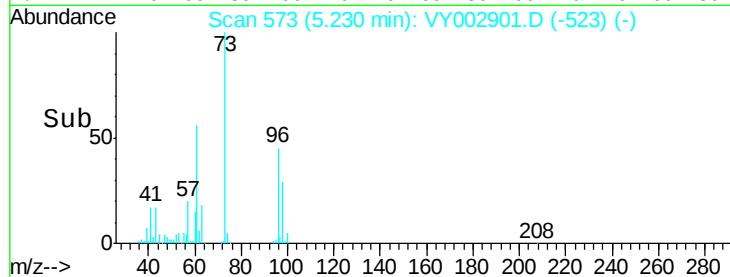
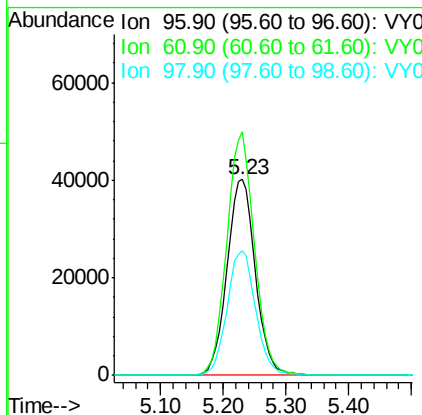
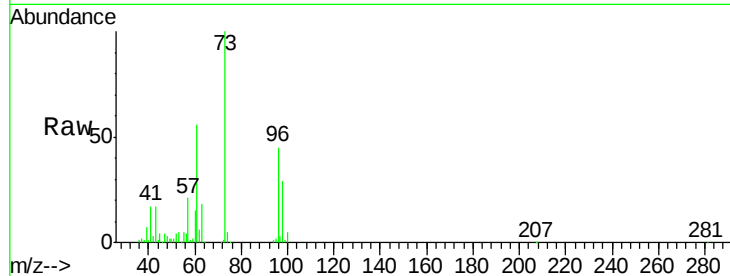
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125425
Ion	Ratio	Lower	Upper
96	100		
61	124.4	96.8	145.2
98	63.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 48.202 ug/l

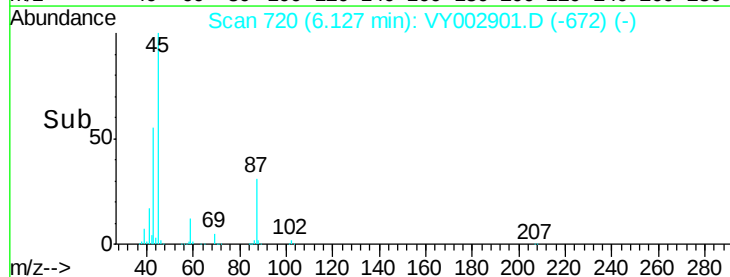
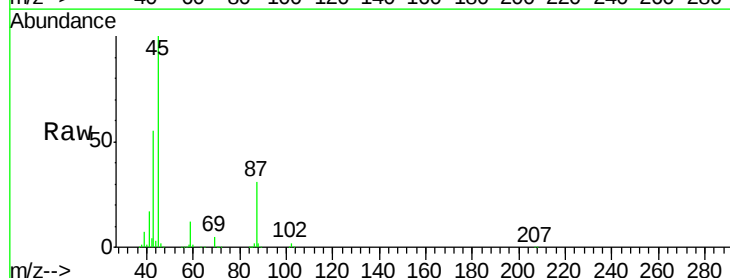
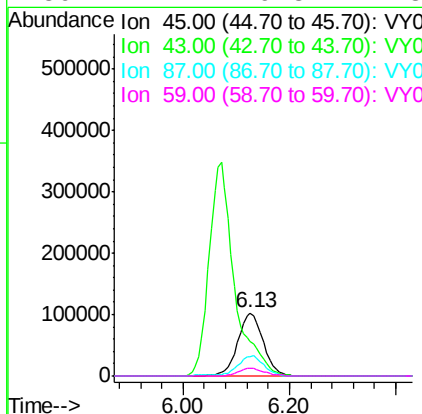
RT: 6.13 min Scan# 720

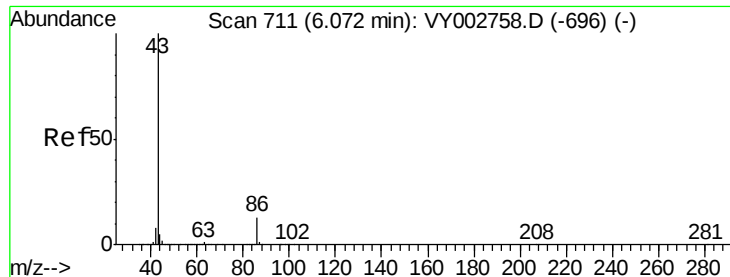
Delta R.T. -0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion:	45	Resp:	339504
Ion	Ratio	Lower	Upper
45	100		
43	54.7	41.7	62.5
87	31.3	24.2	36.2
59	12.1	9.8	14.8





#23

Vinyl Acetate

Concen: 245.888 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1143428

Ion Ratio Lower Upper

43 100

86 12.4

10.2

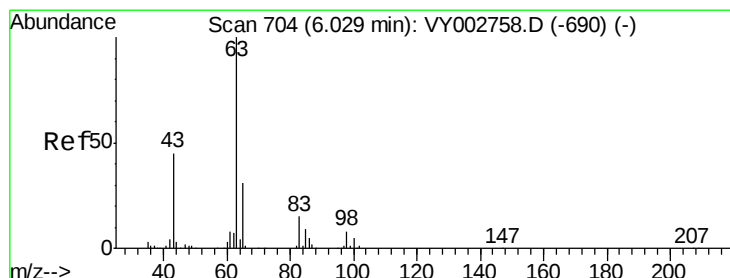
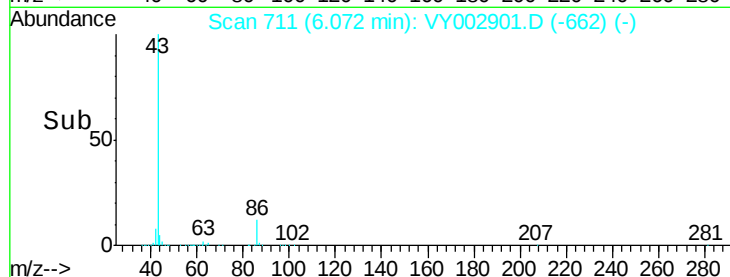
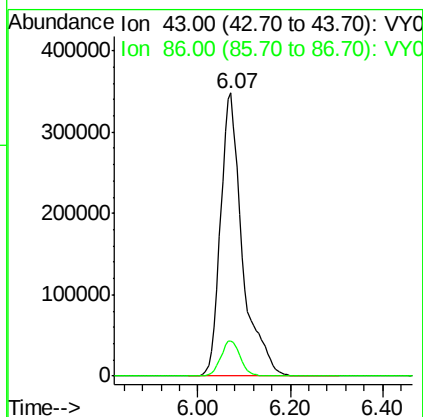
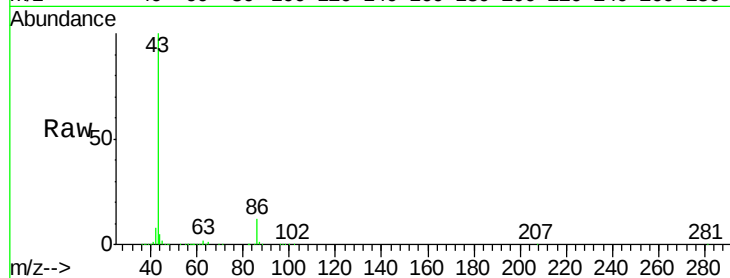
15.2

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#24

1,1-Dichloroethane

Concen: 49.561 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion: 63 Resp: 204202

Ion Ratio Lower Upper

63 100

98 7.5

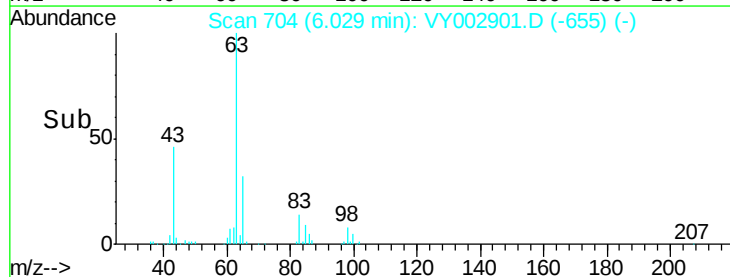
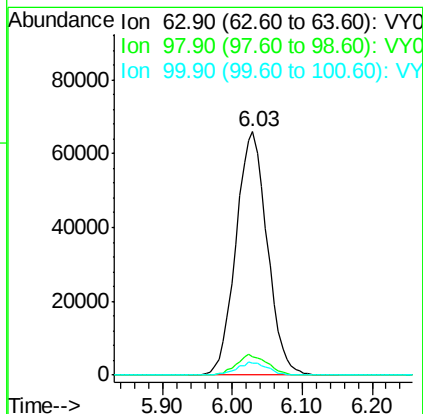
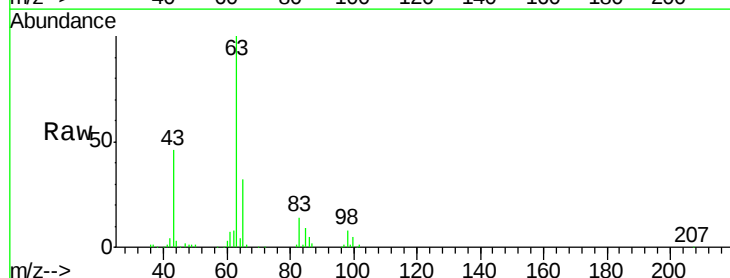
4.0

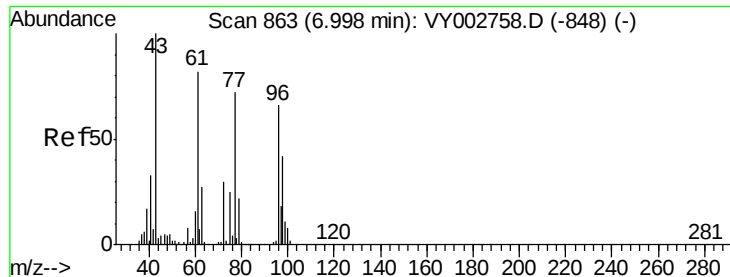
12.2

100 5.1

2.4

7.1





#25

2-Butanone

Concen: 252.869 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 222824

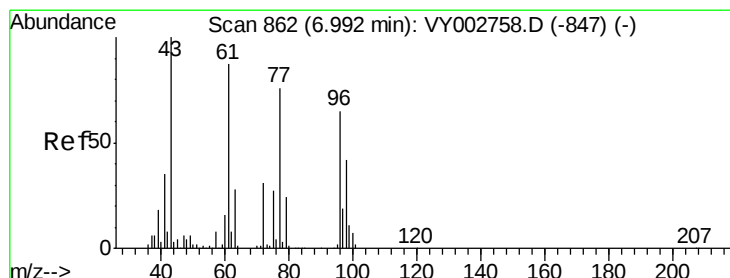
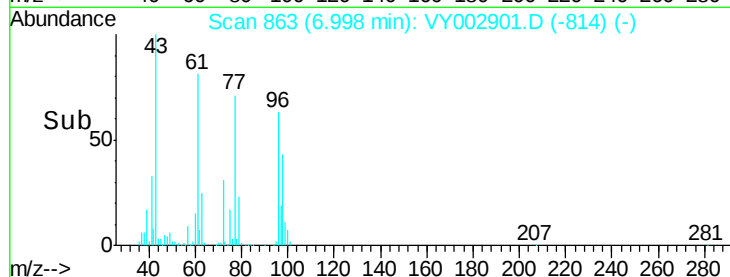
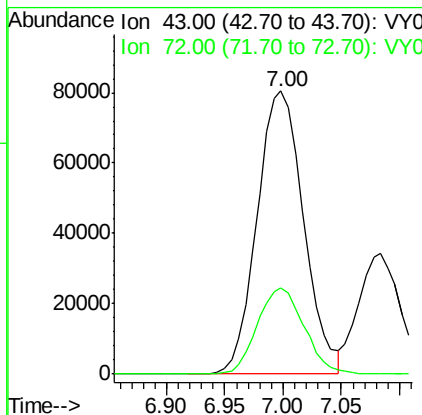
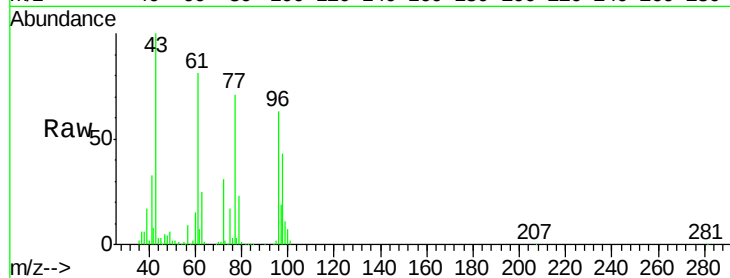
Ion Ratio Lower Upper

43 100

72 30.7 23.9 35.9

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6/18/2020 11:14:18 AM



#26

2,2-Dichloropropane

Concen: 49.483 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002901.D

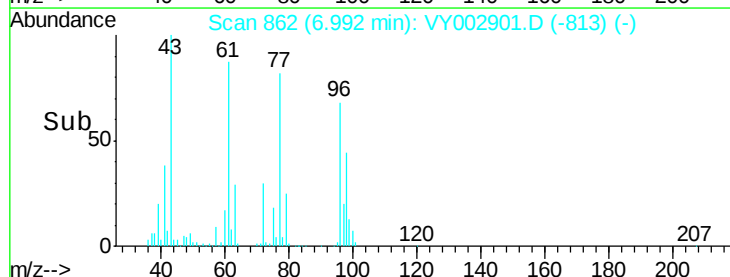
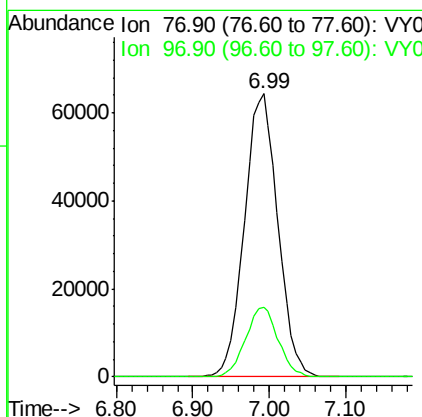
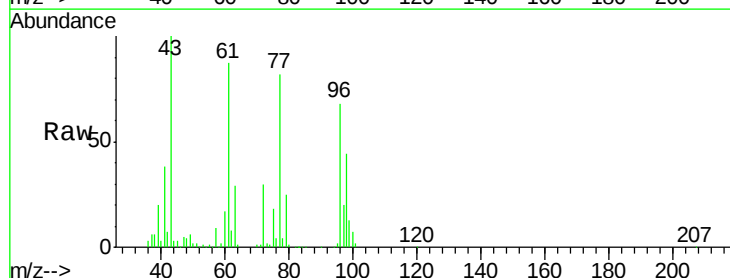
Acq: 16 Jun 2020 11:22

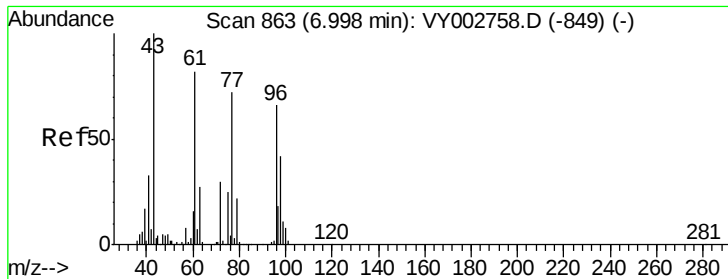
Tgt Ion: 77 Resp: 195533

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

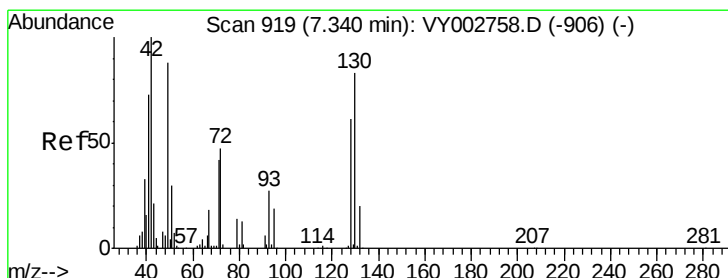
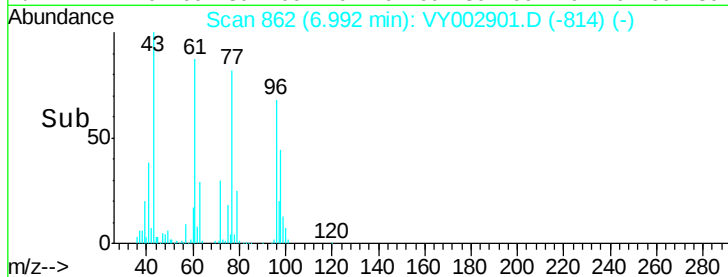
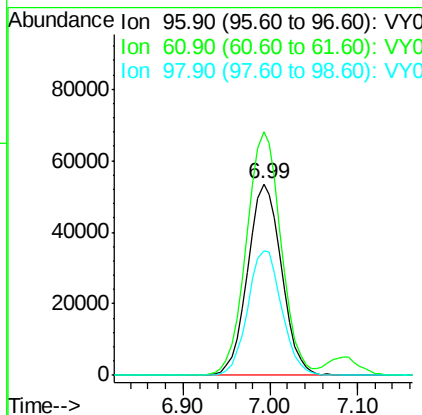
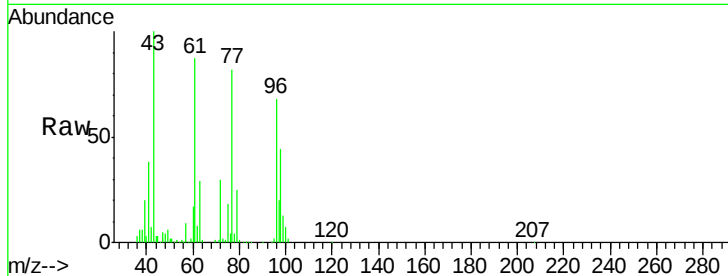
cis-1,2-Dichloroethene
 Concen: 48.505 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144311		
61	129.8		0.0	260.2
98	65.1		0.0	128.2

Manual Integrations
 APPROVED

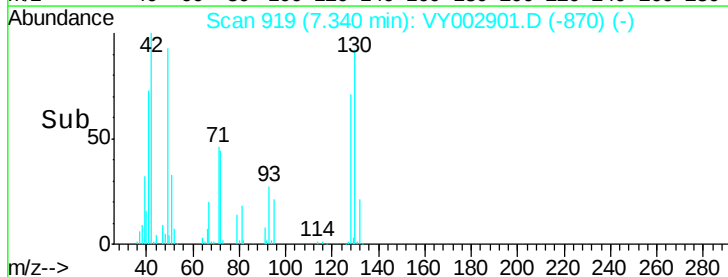
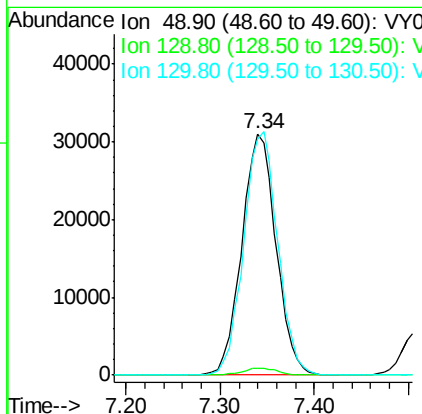
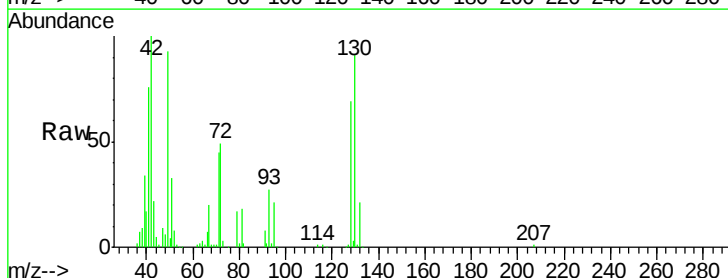
MMDadoda
 6/18/2020 11:14:18 AM

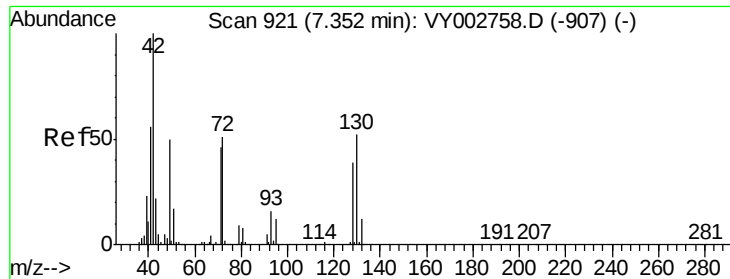


#28

Bromochloromethane
 Concen: 46.812 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79177		
129	2.8		0.0	5.2
130	100.1		77.1	115.7





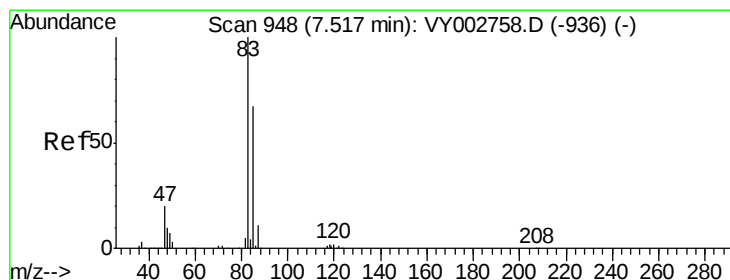
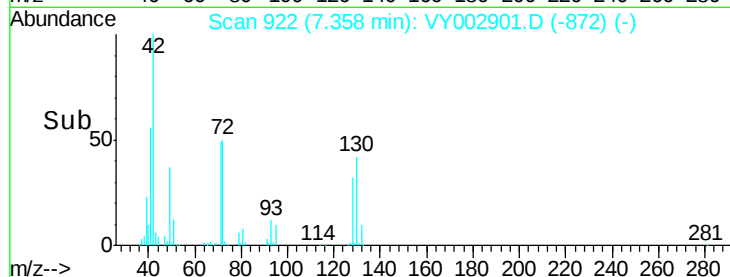
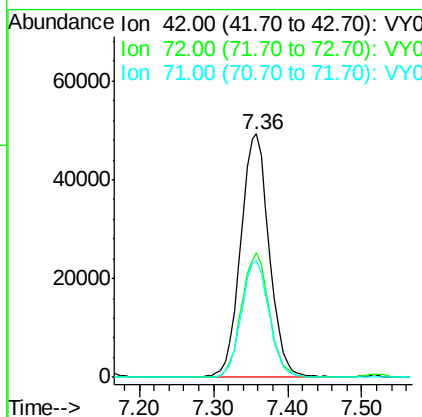
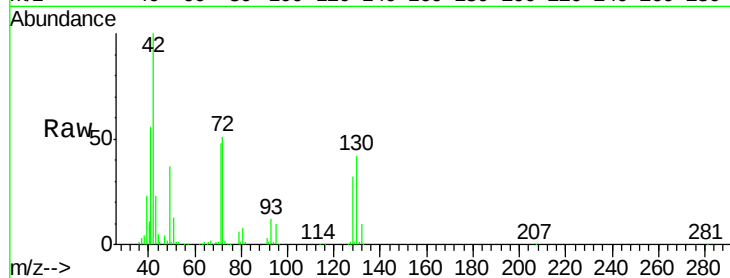
#29
Tetrahydrofuran
Concen: 231.673 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	38.6	58.0
71	46.5	35.8	53.8

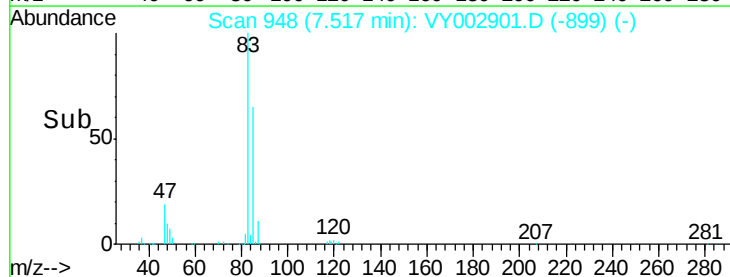
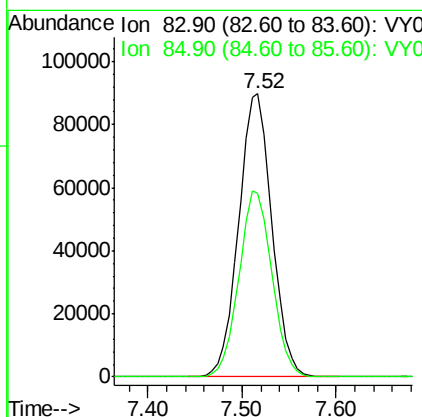
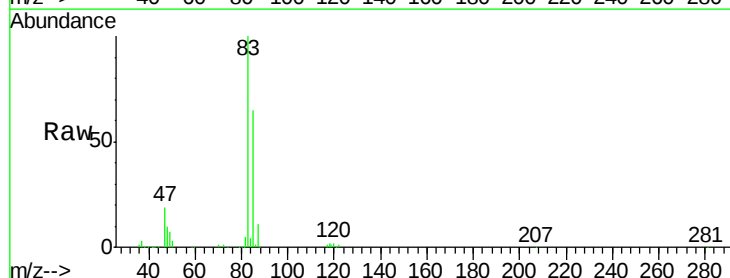
Manual Integrations
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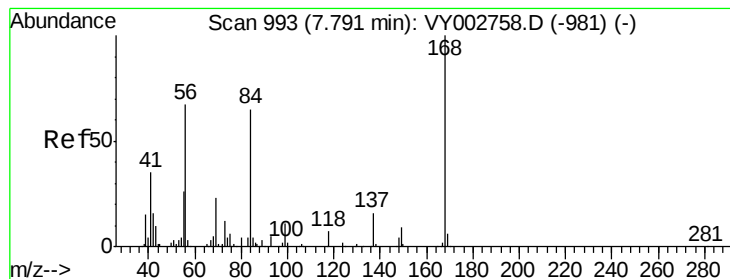
MMDadoda
6/18/2020 11:14:18 AM



#30
Chloroform
Concen: 50.469 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.8	80.8





#31

Cyclohexane

Concen: 43.616 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 178423

Ion Ratio Lower Upper

56 100

69 34.1 28.0 42.0

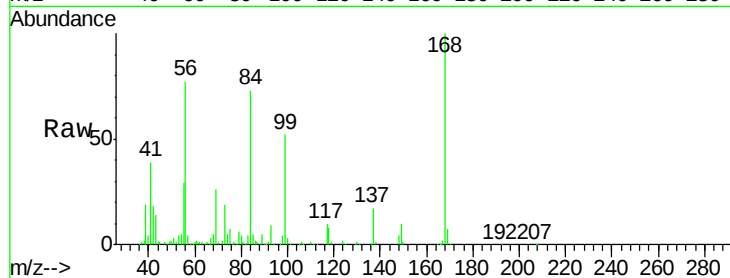
84 93.7 77.7 116.5

Manual Integrations

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6/18/2020 11:14:18 AM

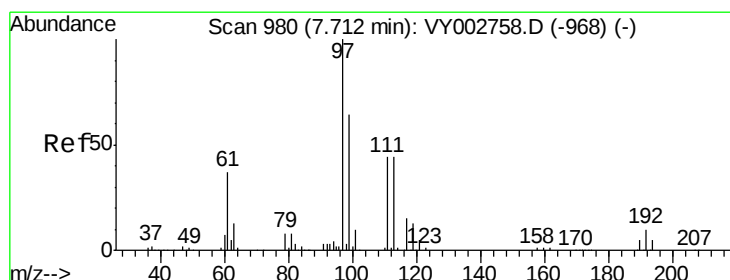
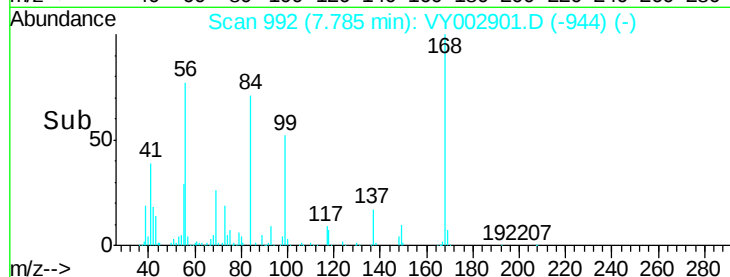
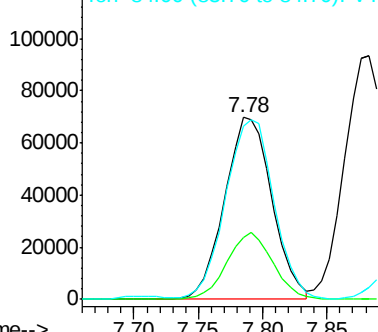


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.737 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

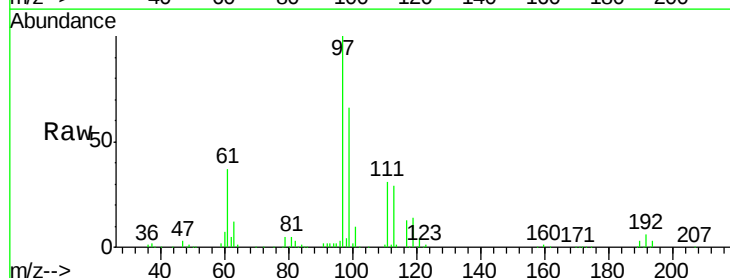
Tgt Ion: 97 Resp: 206710

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 37.6 30.1 45.1

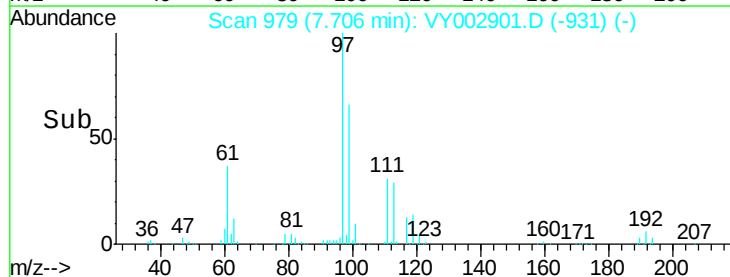
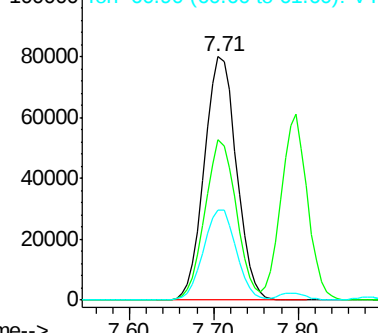


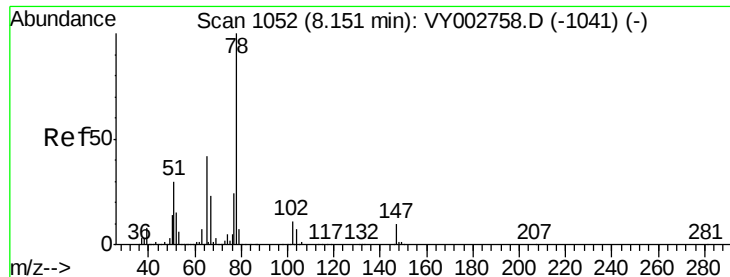
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 47.892 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 115515

Ion Ratio Lower Upper

65 100

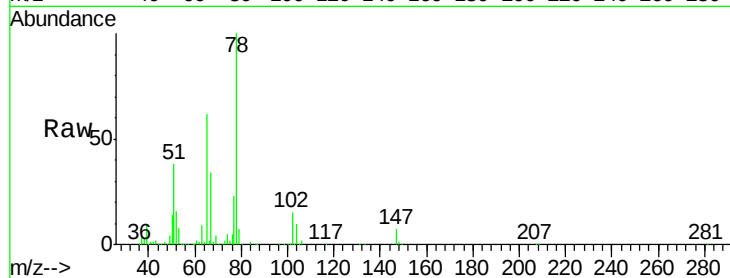
67 53.8 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY002758.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY002758.D (-1041) (-)

60000

50000

40000

30000

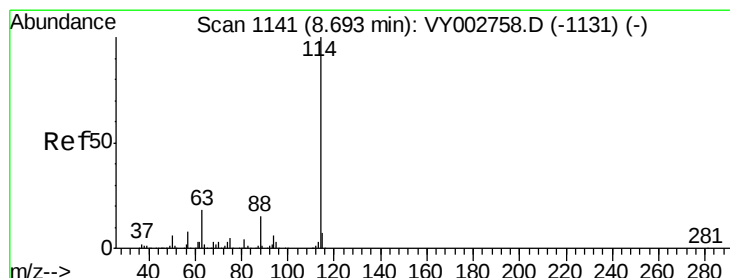
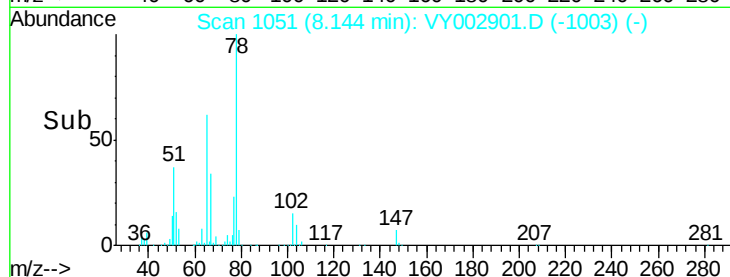
20000

10000

0

8.05 8.10 8.15 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

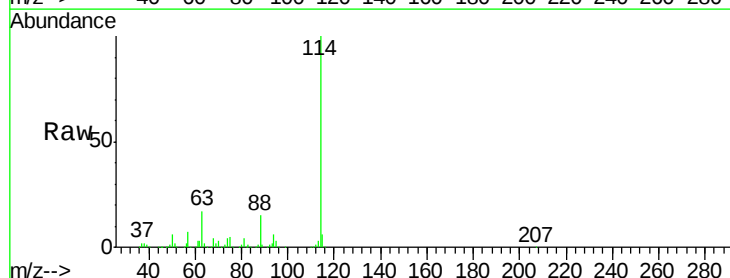
Tgt Ion: 114 Resp: 403260

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VY002758.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY002758.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY002758.D (-1131) (-)

250000

200000

150000

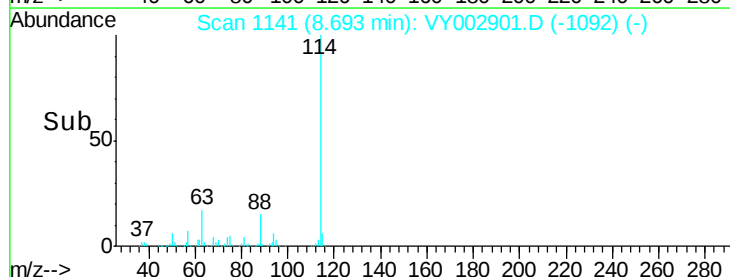
100000

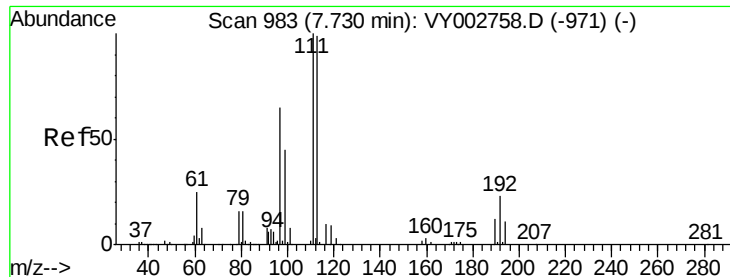
50000

0

8.60 8.70 8.80

Time-->





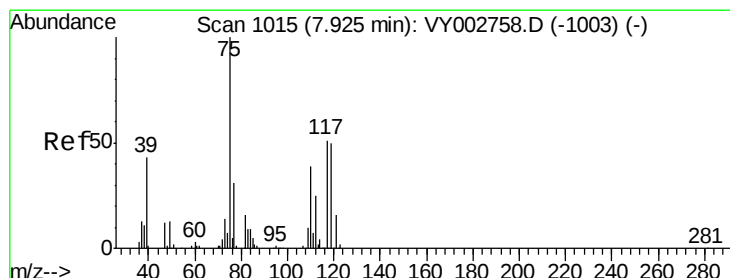
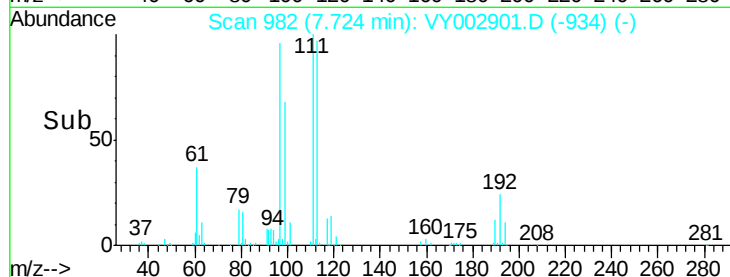
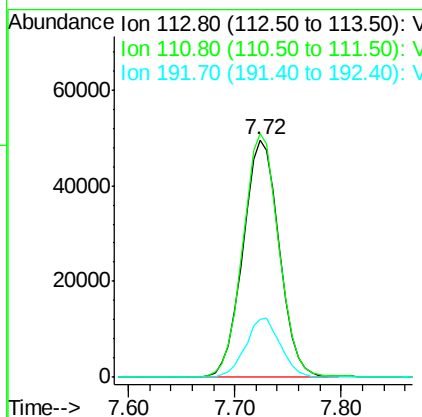
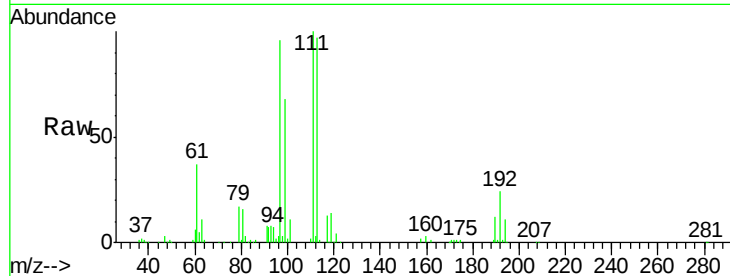
#35
Dibromofluoromethane
Concen: 50.131 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.0	123.0	
192	24.1	18.9	28.3	

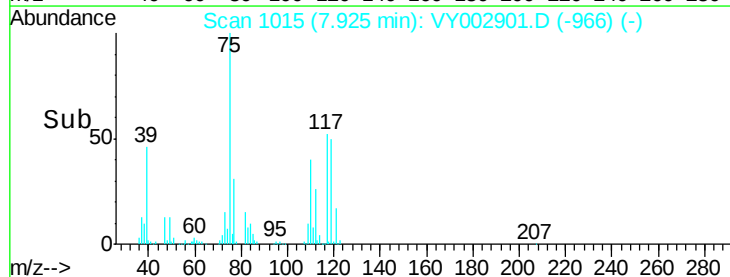
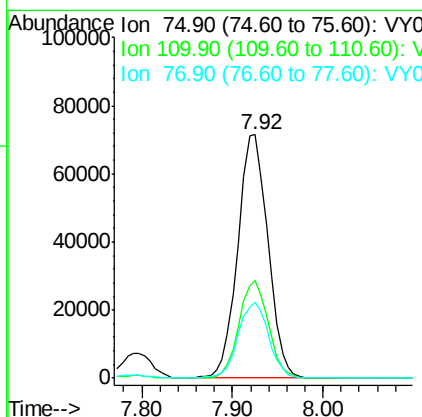
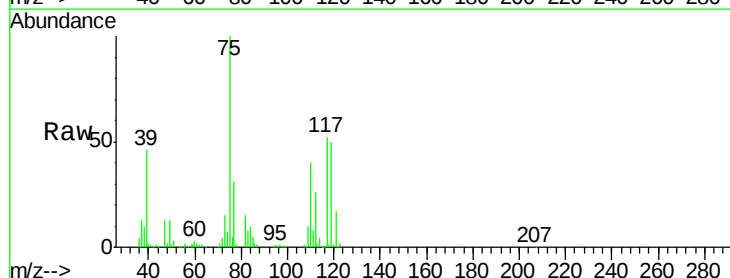
Manual Integrations
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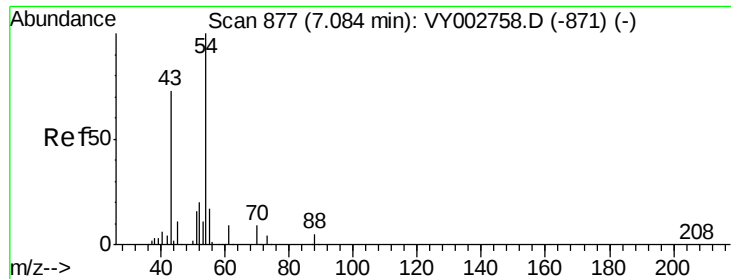
MMDadoda
6/18/2020 11:14:18 AM



#36
1,1-Dichloropropene
Concen: 48.806 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.9	19.3	57.9	
77	31.3	24.8	37.2	





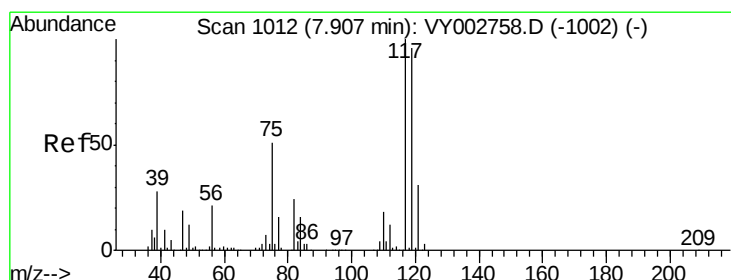
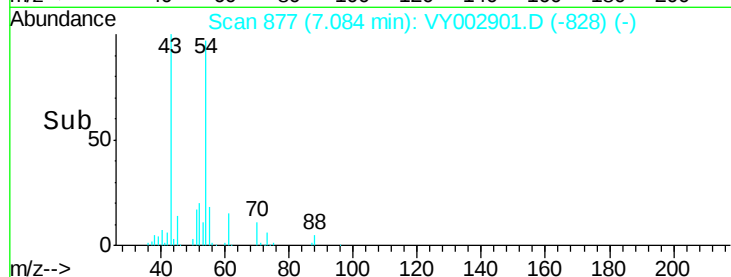
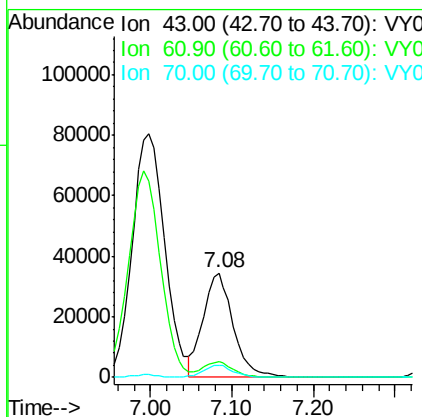
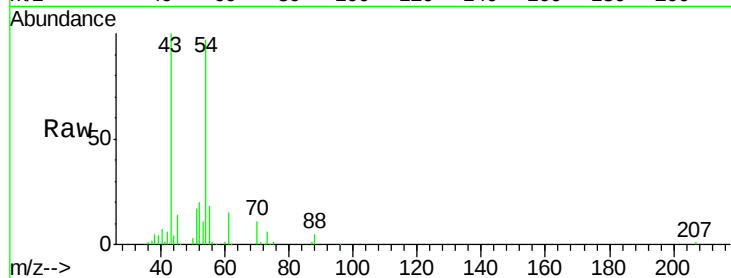
#37
Ethyl Acetate
Concen: 48.269 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.4	9.1	13.7

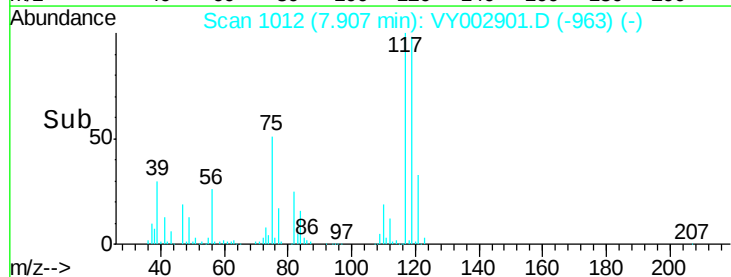
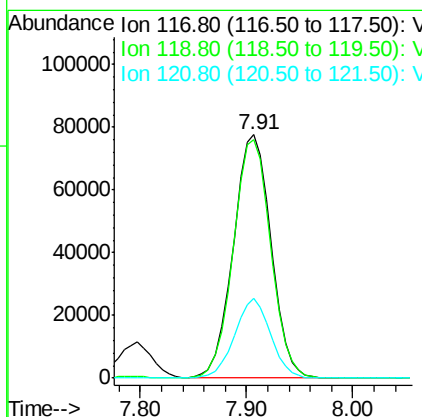
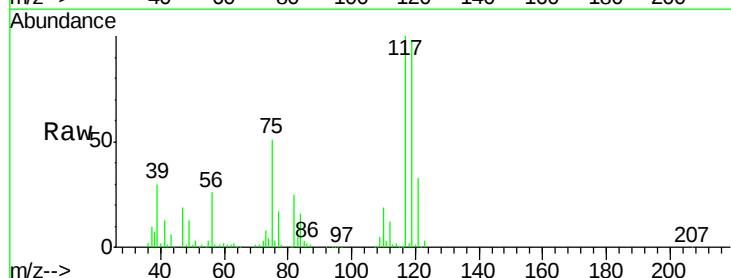
Manual Integrations
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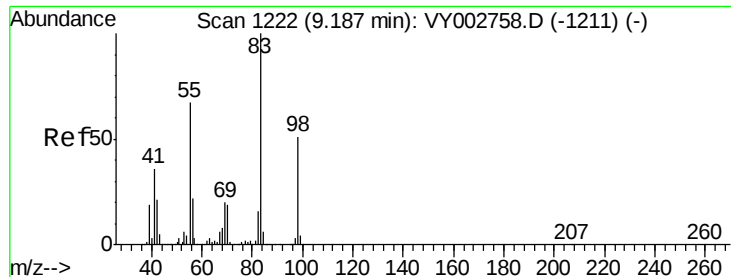
MMDadoda
6/18/2020 11:14:18 AM



#38
Carbon Tetrachloride
Concen: 51.121 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.8	115.2
121	33.0	24.8	37.2





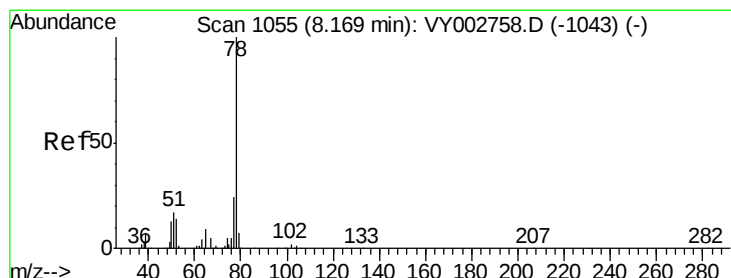
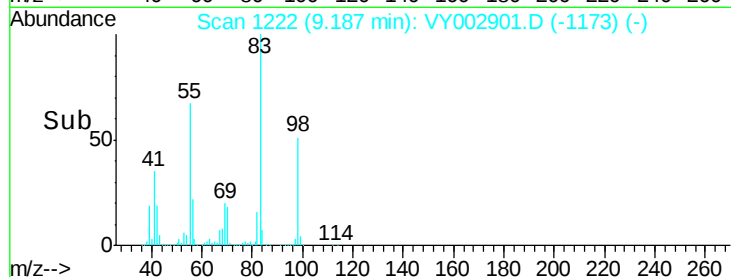
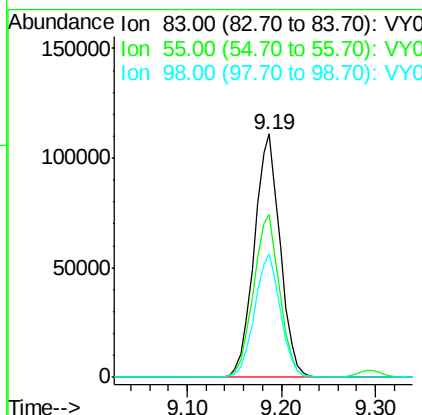
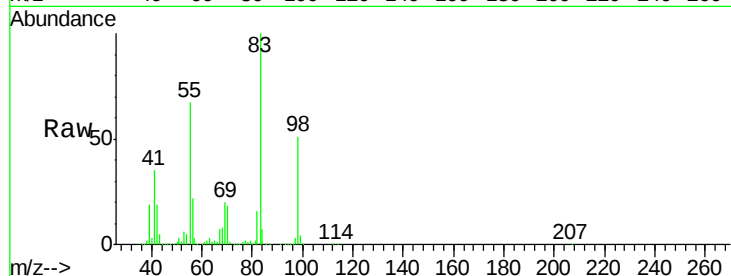
#39
Methvlcvclohexane
Concen: 47.949 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	53.3	79.9
98	50.7	41.1	61.7

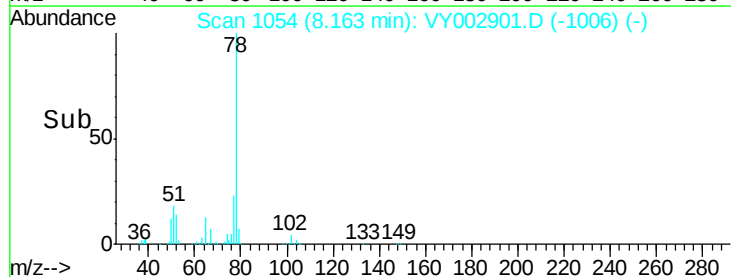
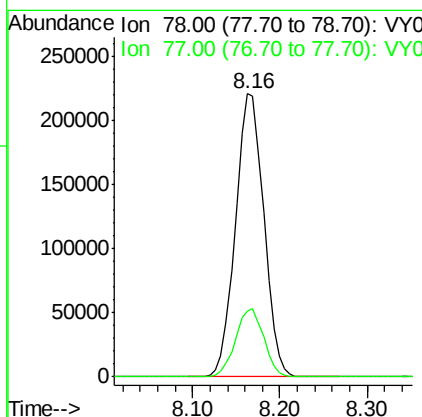
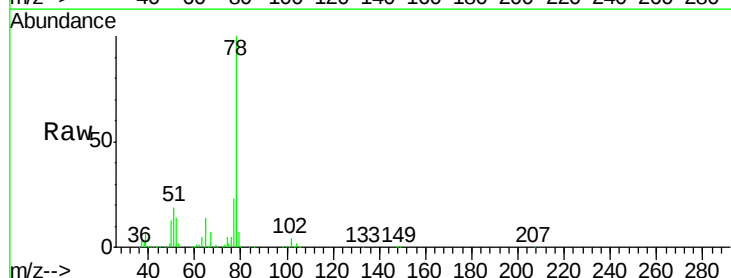
Manual Integrations
APPROVED

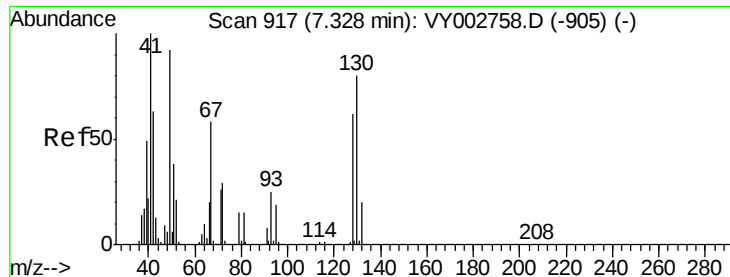
MMDadoda
6/18/2020 11:14:18 AM



#40
Benzene
Concen: 49.651 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





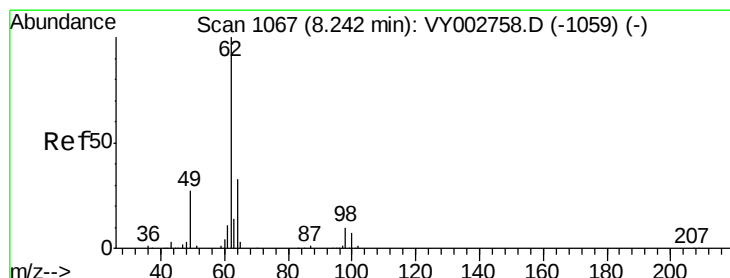
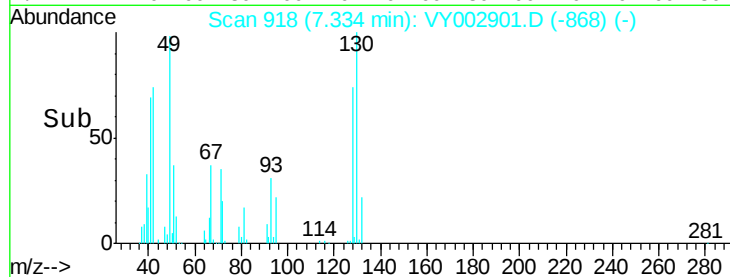
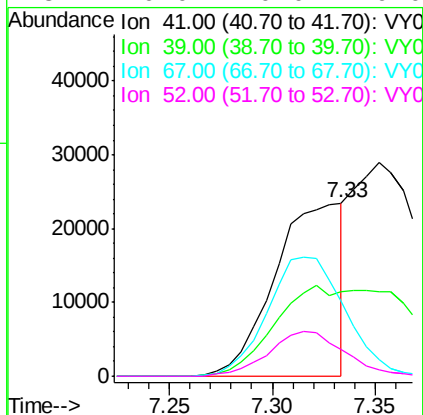
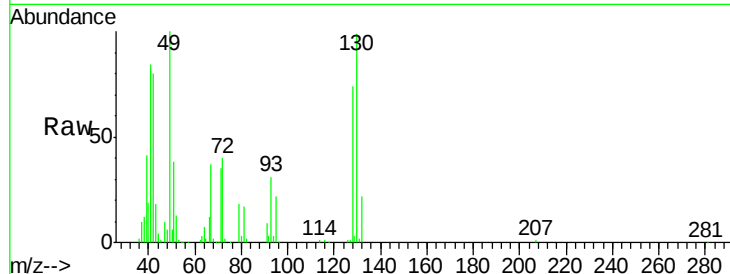
#41
Methacrylonitrile
Concen: 55.279 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

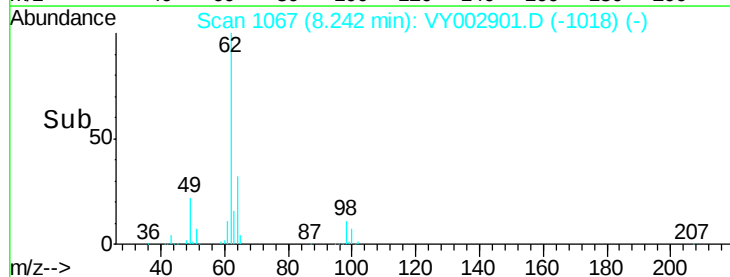
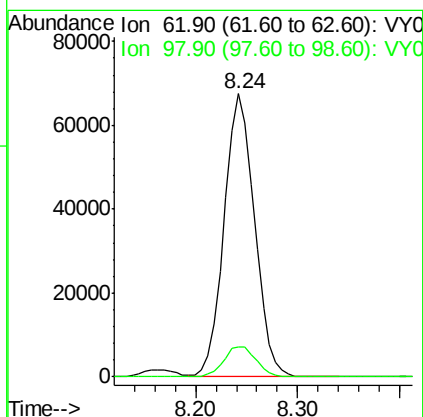
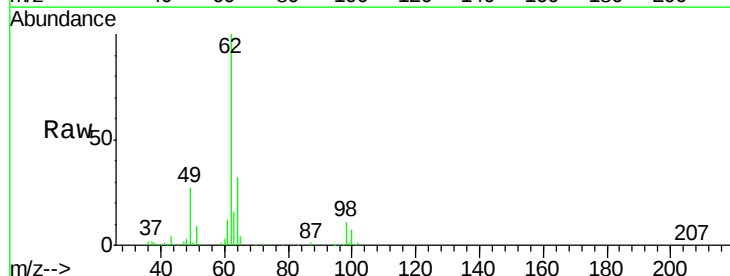
Manual Integrations
APPROVED

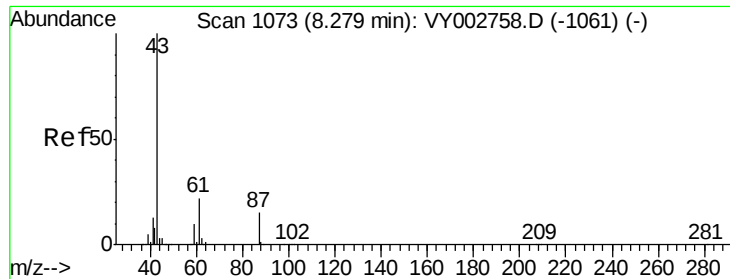
MMDadoda
6/18/2020 11:14:18 AM



#42
1,2-Dichloroethane
Concen: 49.614 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.6





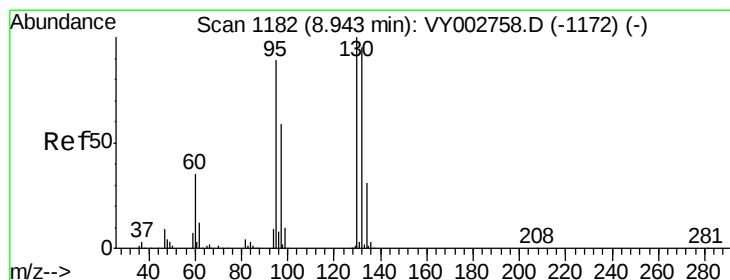
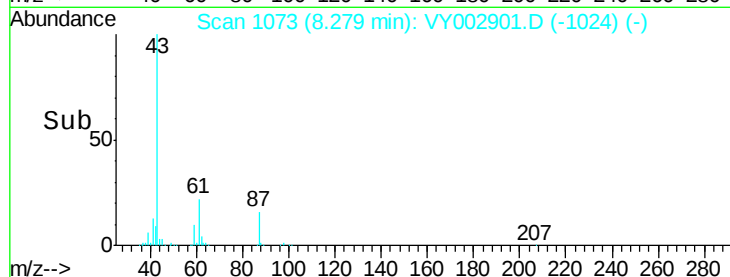
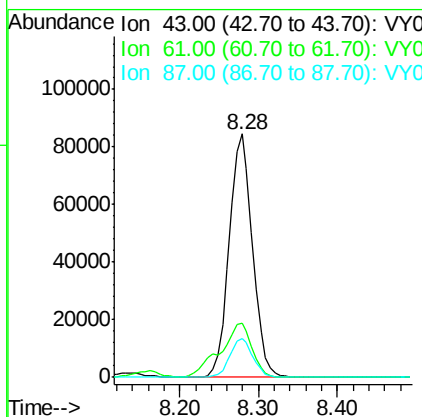
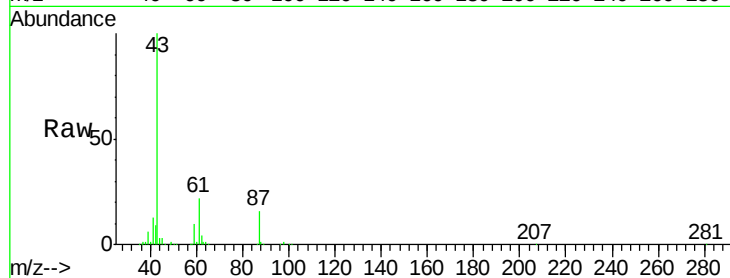
#43
Isopropyl Acetate
Concen: 49.535 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.8	37.2
87	15.9	12.4	18.6

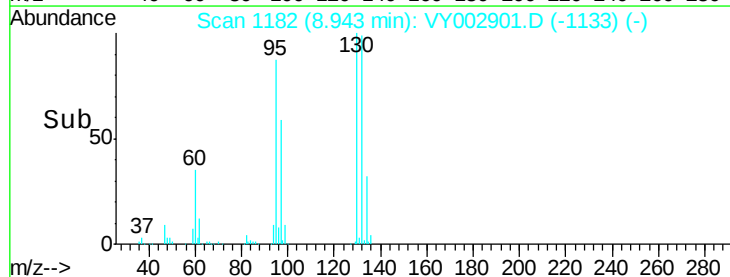
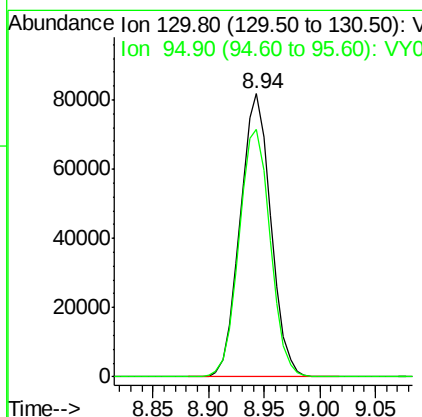
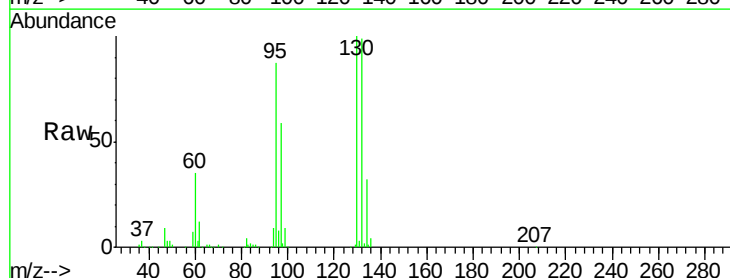
Manual Integrations
APPROVED

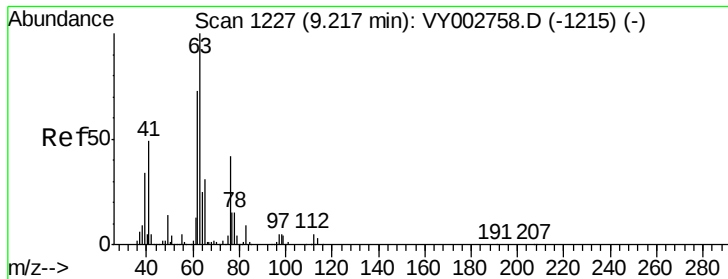
MMDadoda
6/18/2020 11:14:18 AM



#44
Trichloroethene
Concen: 49.369 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	178.8





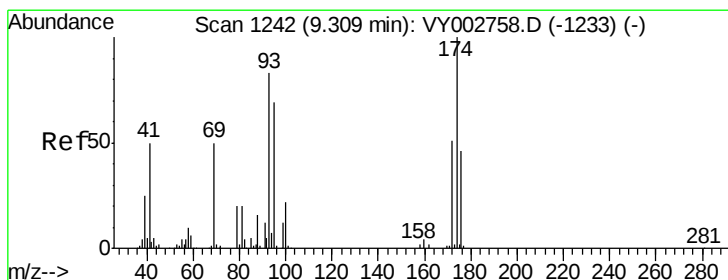
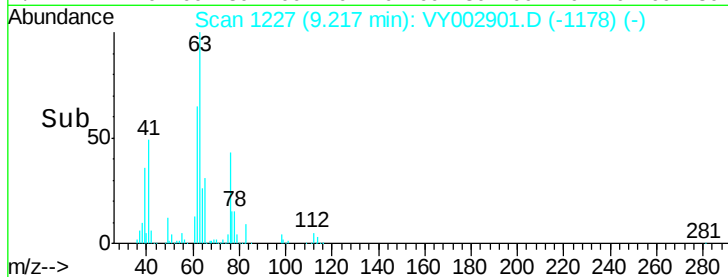
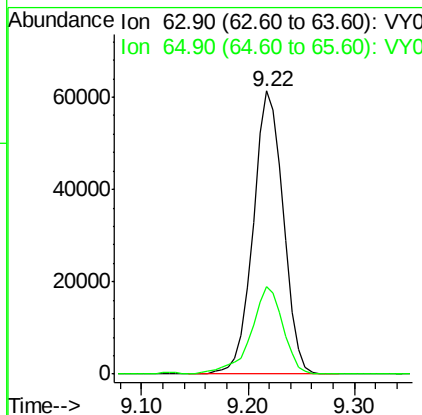
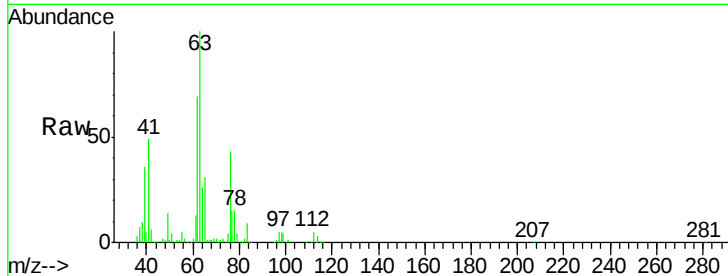
#45
 1,2-Dichloropropane
 Concen: 50.584 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

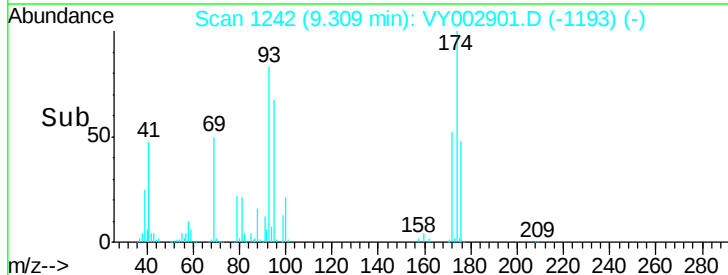
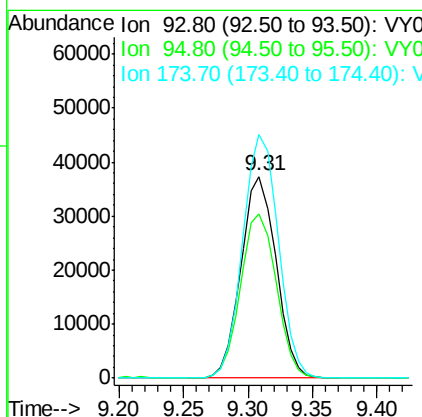
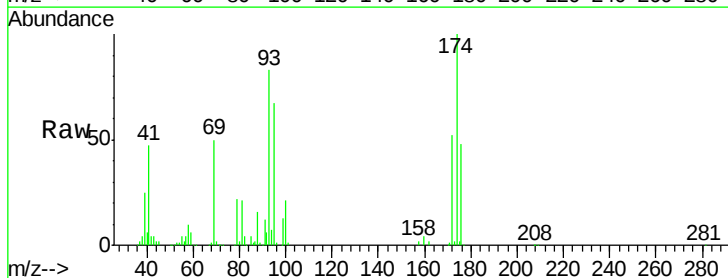
Manual Integrations
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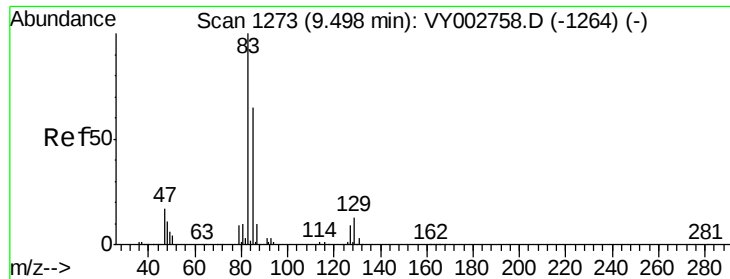
MMDadoda
 6/18/2020 11:14:18 AM



#46
 Dibromomethane
 Concen: 49.480 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.9	100.3
174	122.0	97.7	146.5





#47

Bromodichloromethane

Concen: 51.953 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

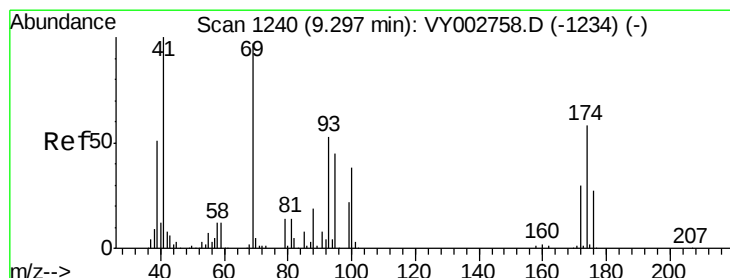
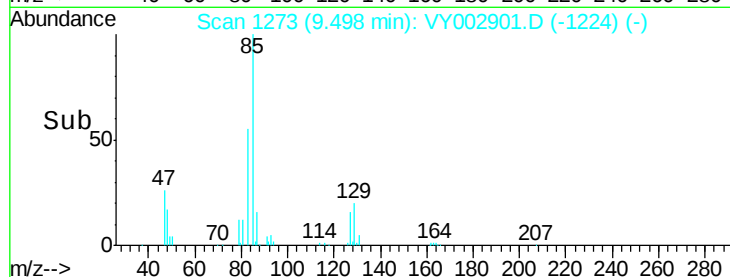
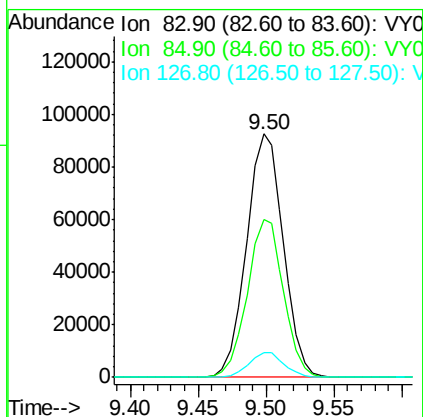
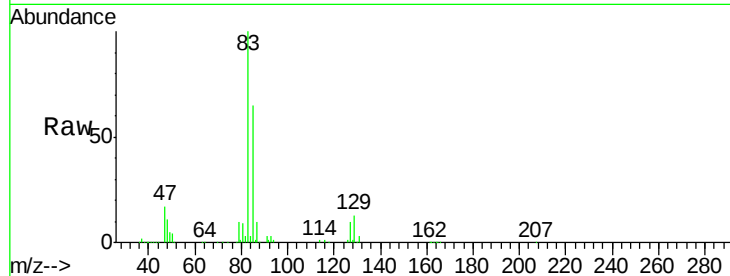
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	175083
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
127	10.2	7.1	10.7

Manual Integrations
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MMDadoda
6/18/2020 11:14:18 AM



#48

Methyl methacrylate

Concen: 48.832 ug/l

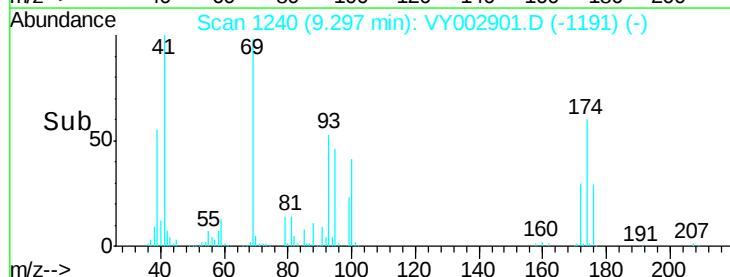
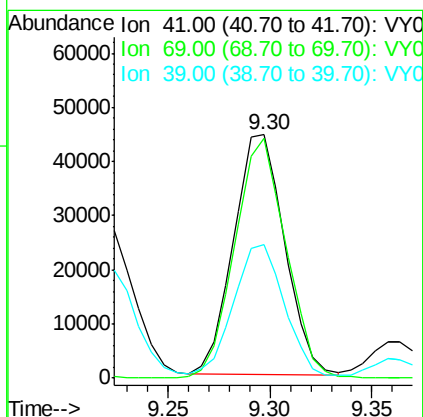
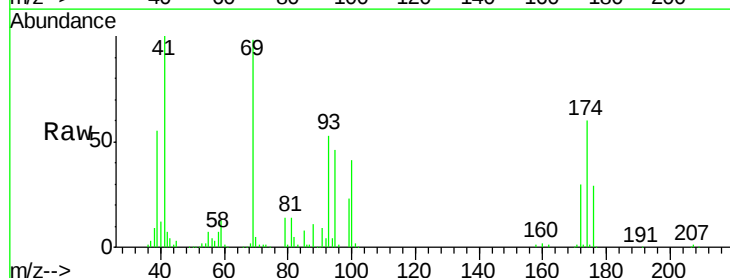
RT: 9.30 min Scan# 1240

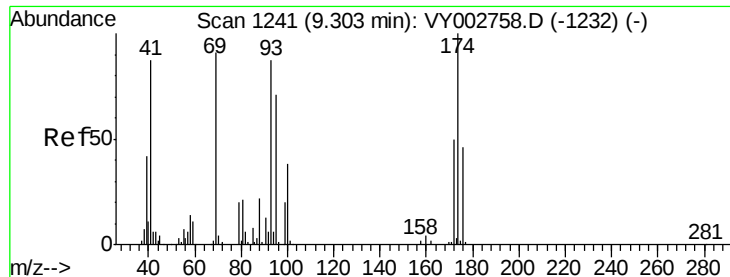
Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion:	41	Resp:	77207
Ion	Ratio	Lower	Upper
41	100		
69	100.2	79.7	119.5
39	54.1	43.3	64.9





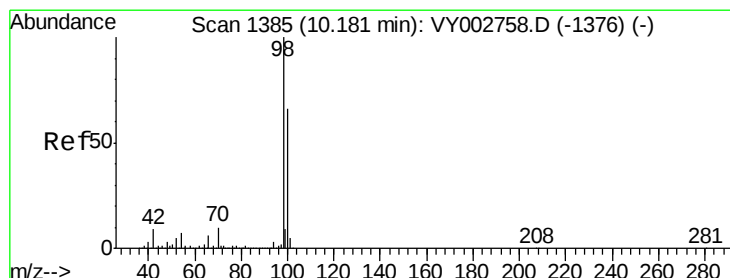
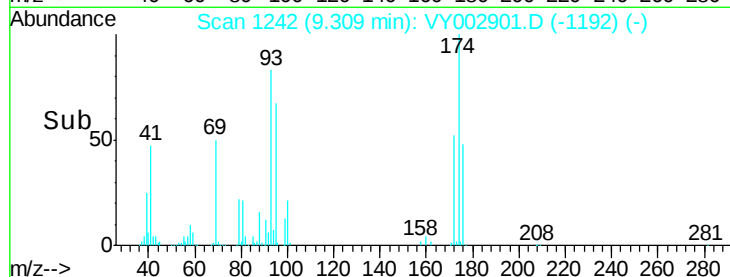
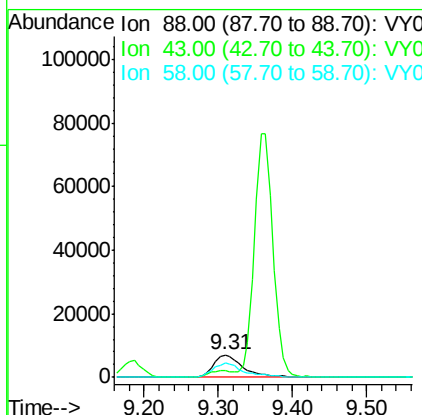
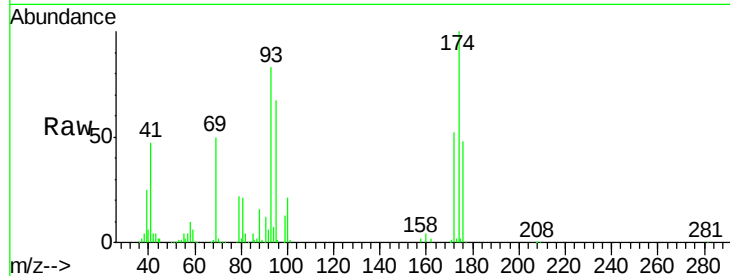
#49
1,4-Dioxane
Concen: 911.487 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.9	21.3	31.9
58	66.1	52.2	78.2

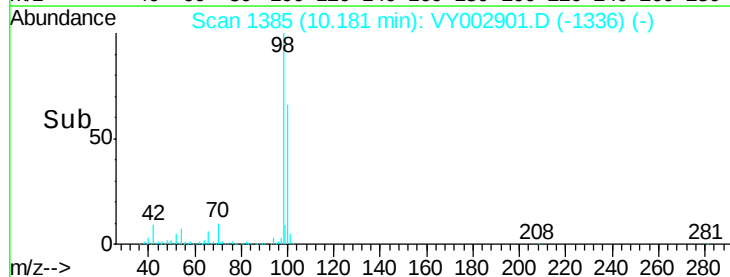
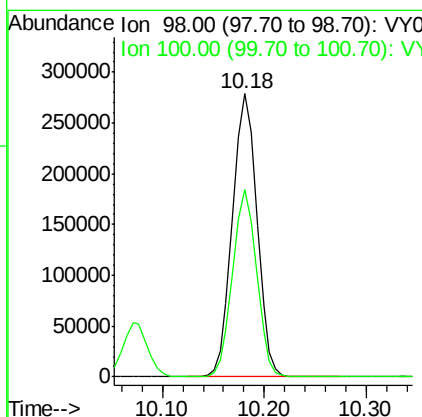
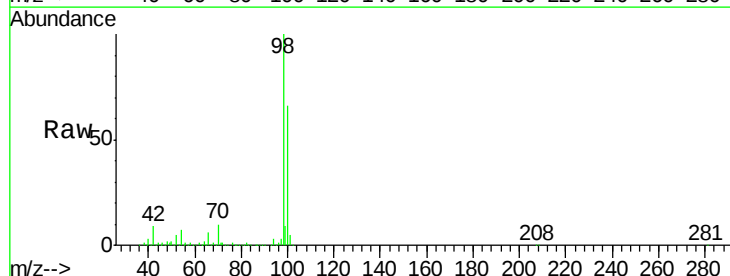
Manual Integrations
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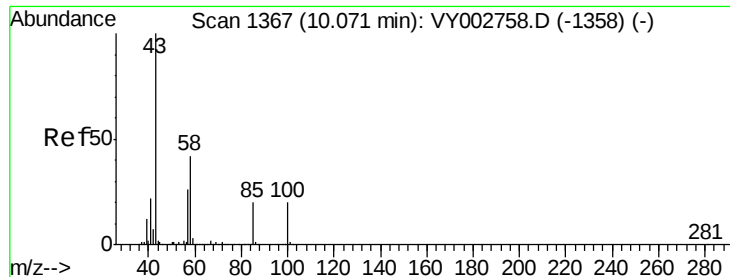
MMDadoda
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#50
Toluene-d8
Concen: 48.495 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 252.805 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 468850

Ion Ratio Lower Upper

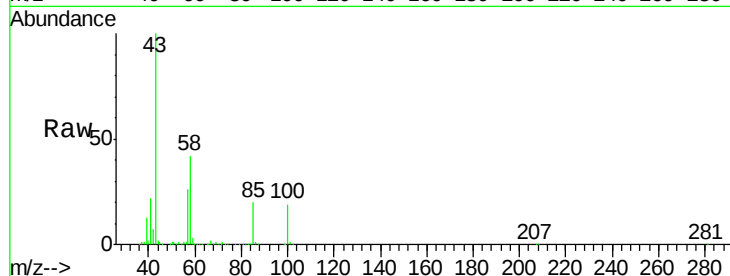
43 100

58 42.4 34.2 51.2

Manual Integrations
APPROVED

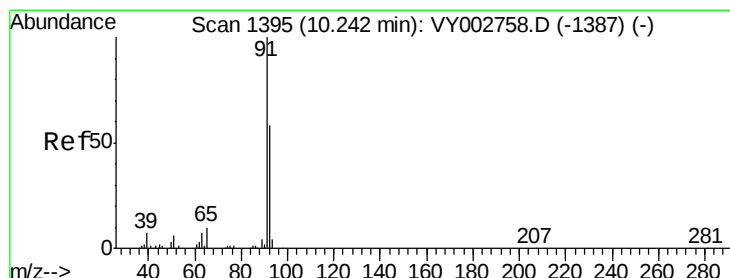
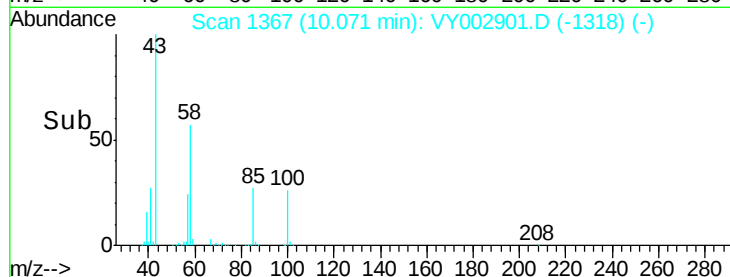
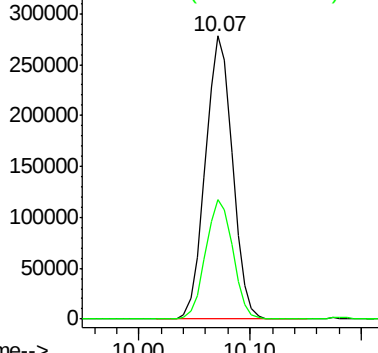
MMDadoda

6/18/2020 11:14:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 50.115 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002901.D

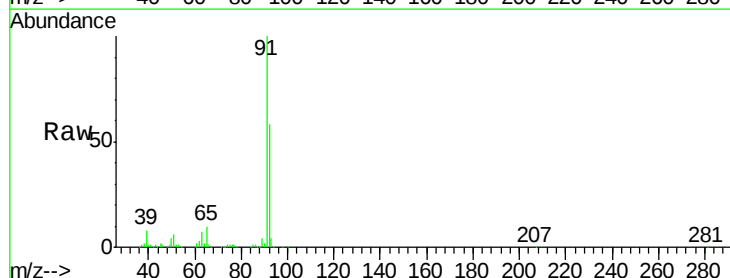
Acq: 16 Jun 2020 11:22

Tgt Ion: 92 Resp: 329062

Ion Ratio Lower Upper

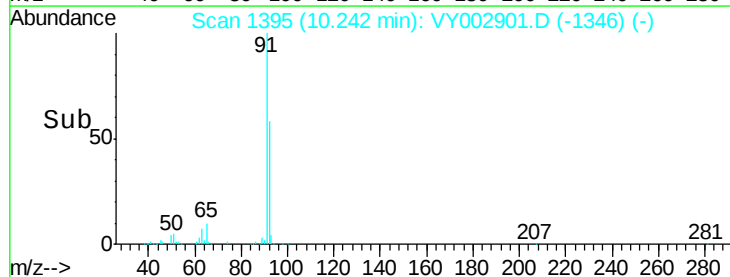
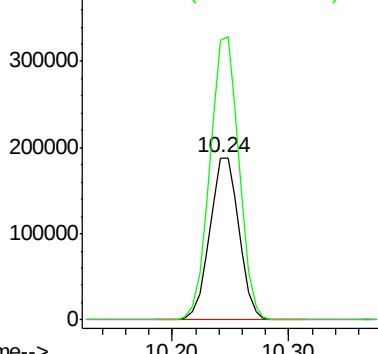
92 100

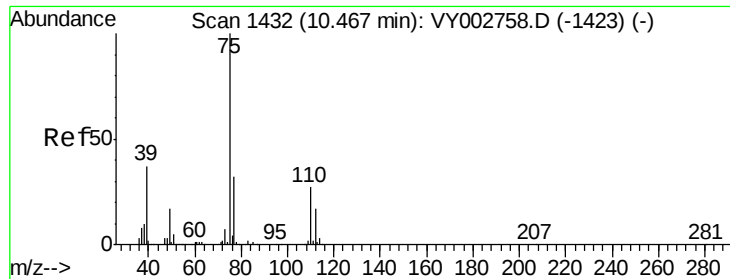
91 174.2 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





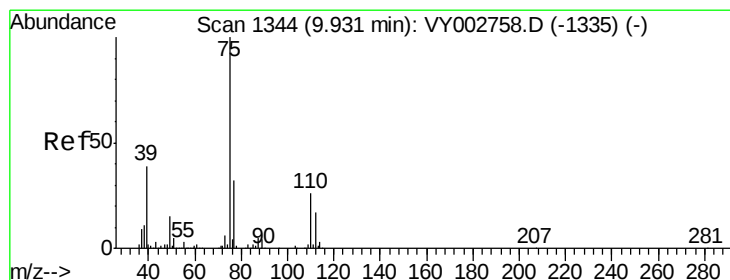
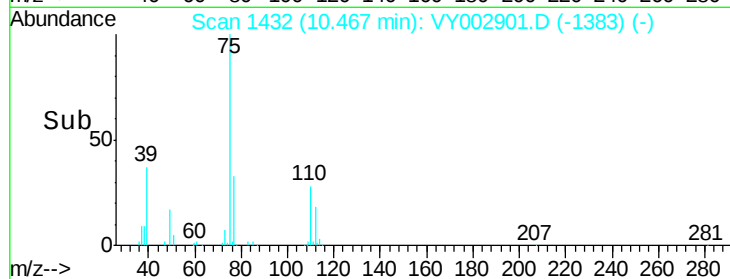
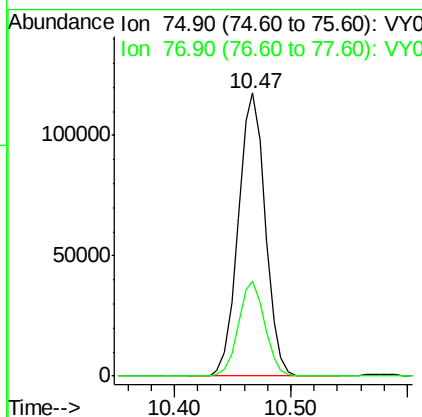
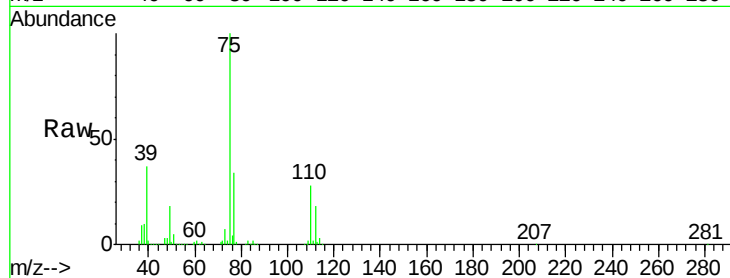
#53
 t-1,3-Dichloropropene
 Concen: 51.699 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.3	37.9

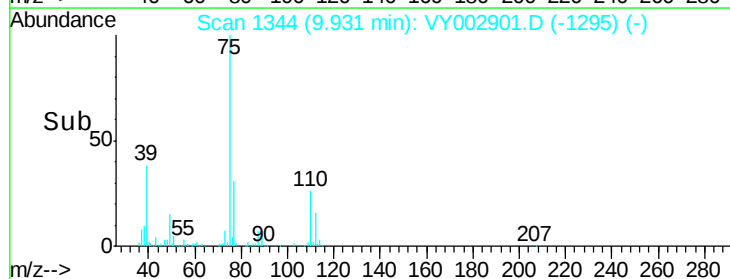
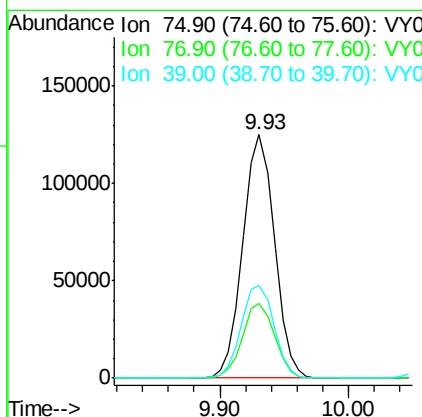
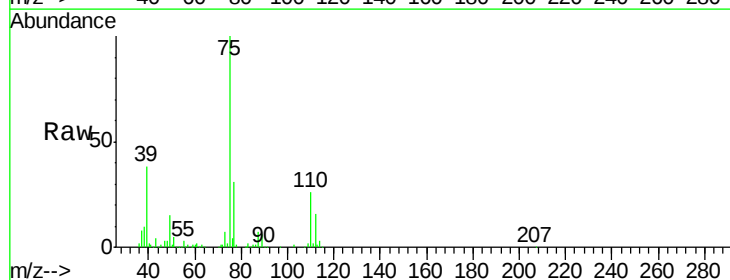
Manual Integrations
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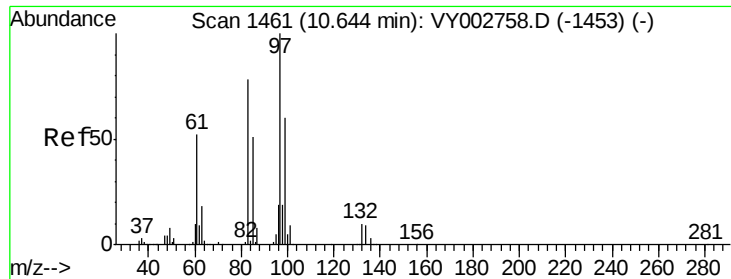
MMDadoda
 6/18/2020 11:14:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.946 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	38.0	31.3	46.9





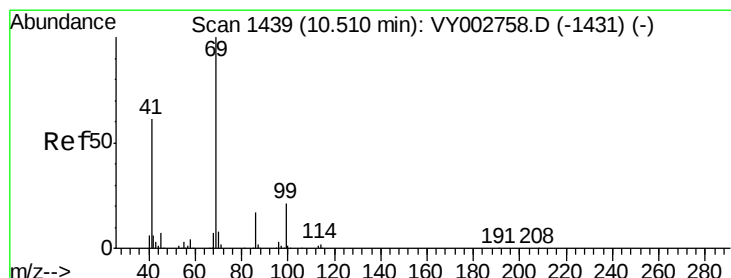
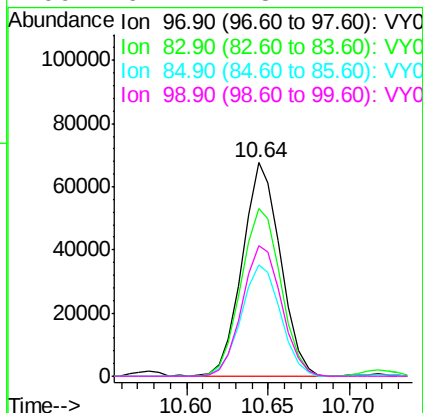
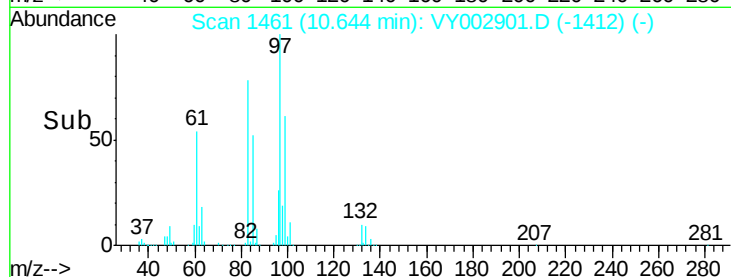
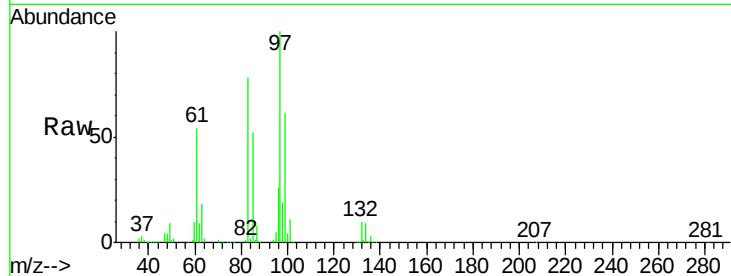
#55
 1,1,2-Trichloroethane
 Concen: 50.297 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	110078
Ion	Ratio	Lower	Upper
97	100		
83	78.5	62.7	94.1
85	52.2	40.6	60.8
99	61.1	48.2	72.4

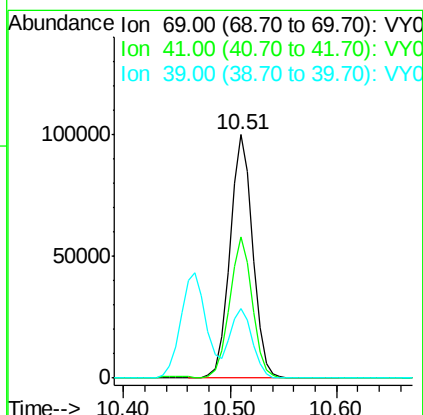
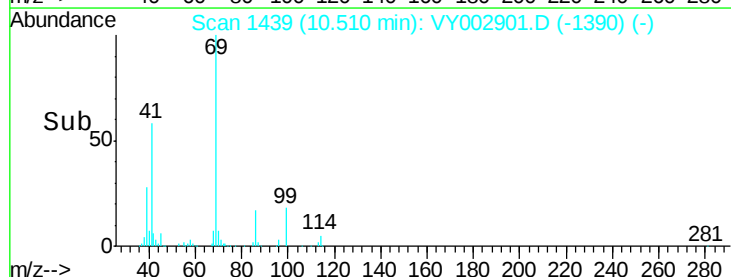
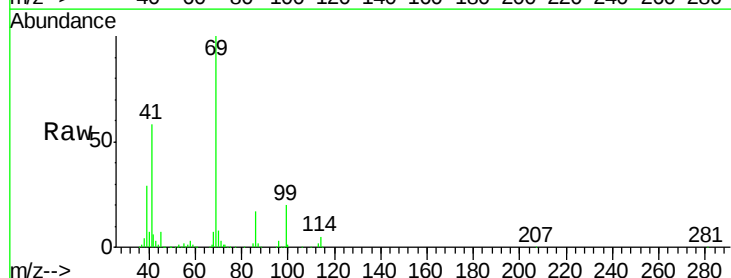
Manual Integrations
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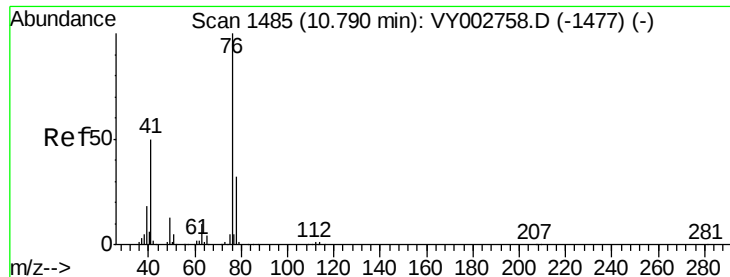
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 6/18/2020 11:14:18 AM



#56
 Ethyl methacrylate
 Concen: 51.037 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion:	69	Resp:	149608
Ion	Ratio	Lower	Upper
69	100		
41	57.5	47.0	70.4
39	27.7	22.0	33.0





#57

1,3-Dichloropropane

Concen: 49.755 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 179103

Ion Ratio Lower Upper

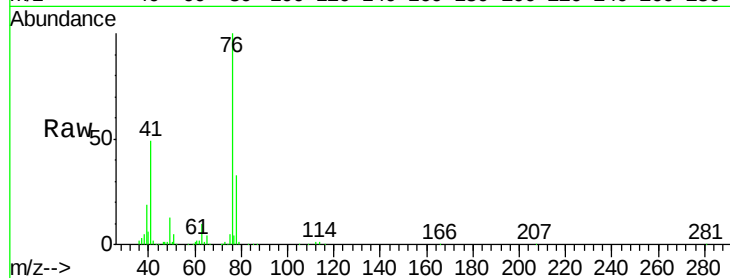
76 100

78 32.4 26.1 39.1

Manual Integrations
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MMDadoda

6/18/2020 11:14:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

120000

100000

80000

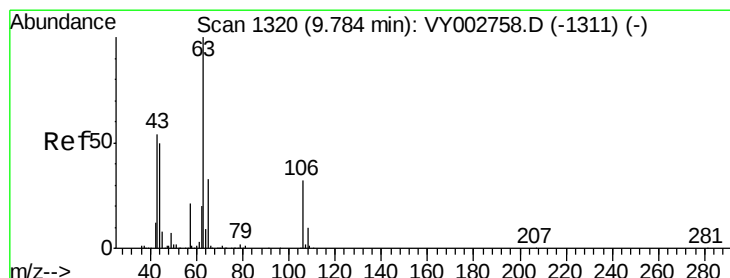
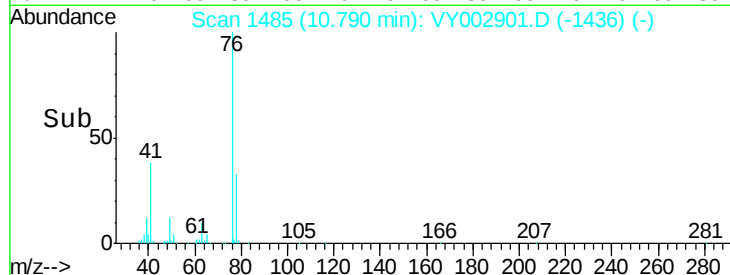
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.537 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002901.D

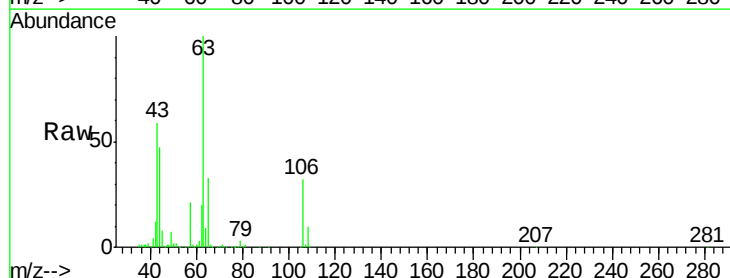
Acq: 16 Jun 2020 11:22

Tgt Ion: 63 Resp: 354559

Ion Ratio Lower Upper

63 100

106 32.4 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

250000

200000

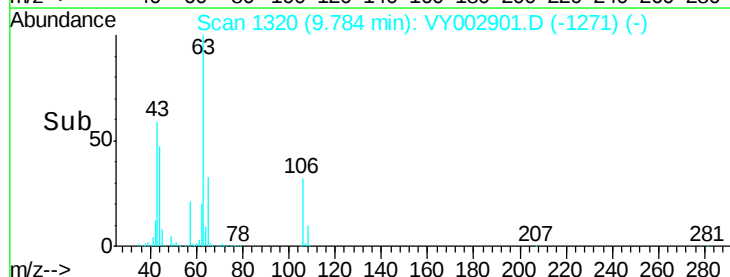
150000

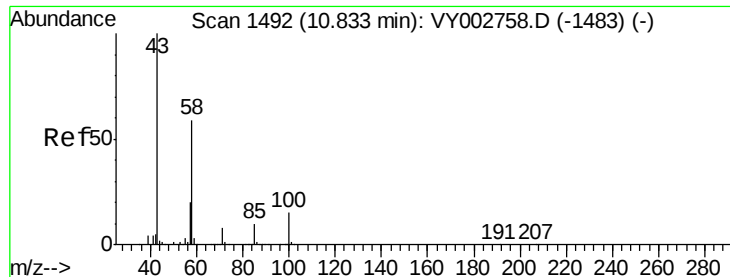
100000

50000

0

Time-->





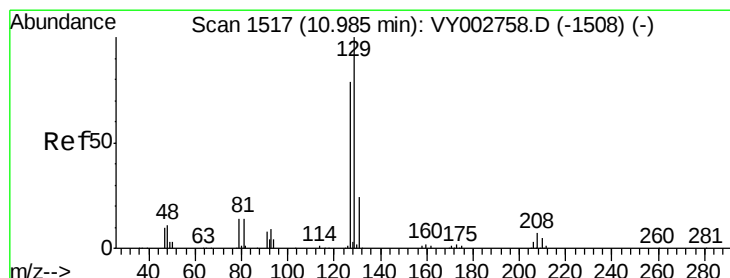
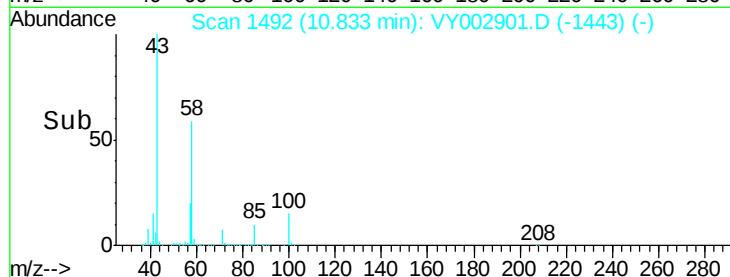
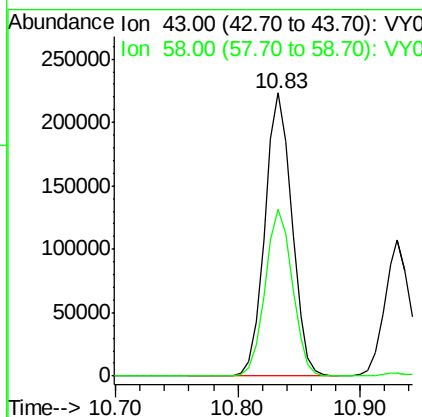
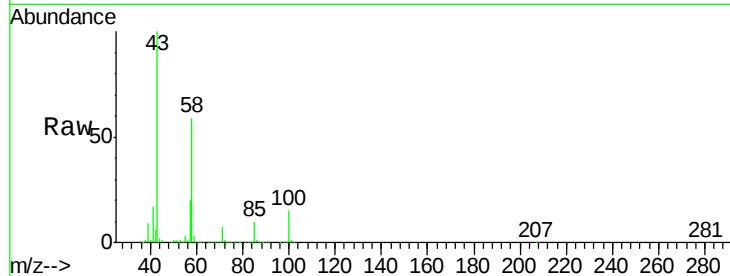
#59
2-Hexanone
Concen: 260.911 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	343326
Ion Ratio	43	100	
Lower	58	59.3	29.5
Upper			88.5

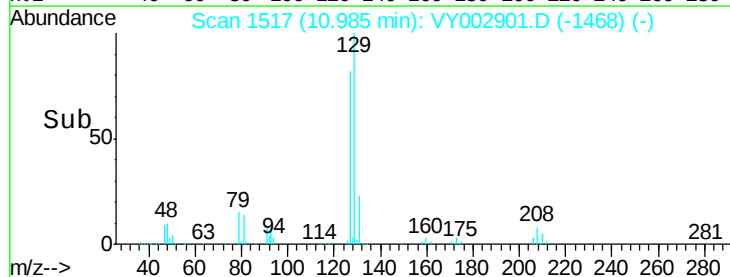
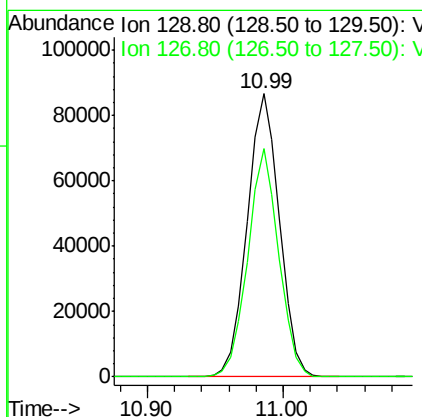
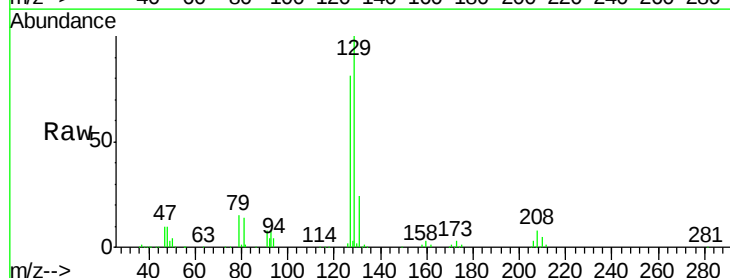
Manual Integrations
APPROVED

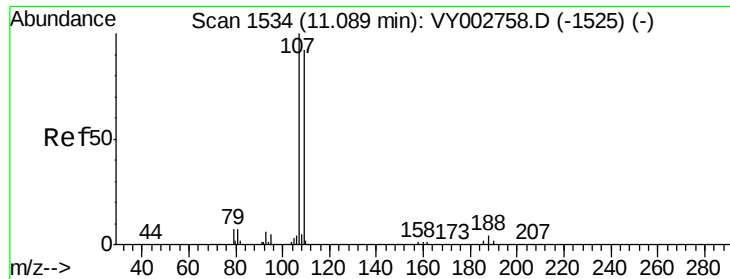
MMDadoda
6/18/2020 11:14:18 AM



#60
Dibromochloromethane
Concen: 51.801 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	129	Resp	143730
Ion Ratio	129	100	
Lower	127	77.5	38.5
Upper			115.3





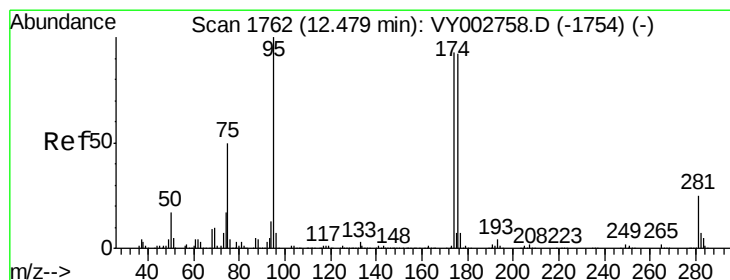
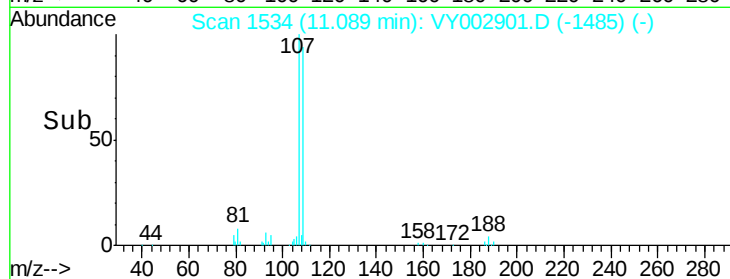
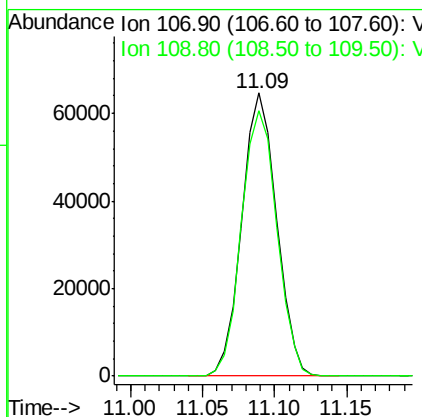
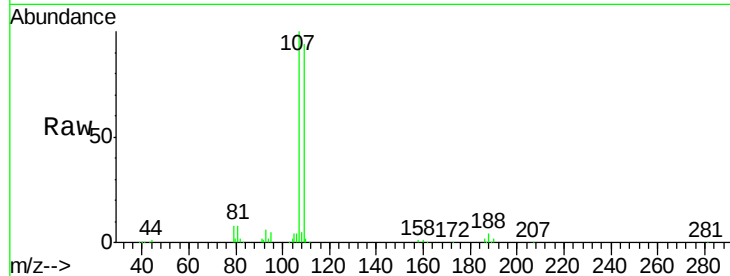
#61
1,2-Dibromoethane
Concen: 50.081 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.6	113.4

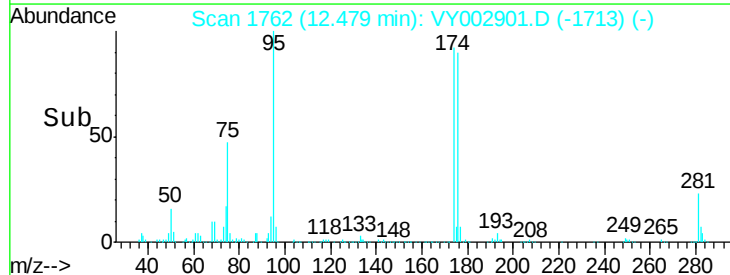
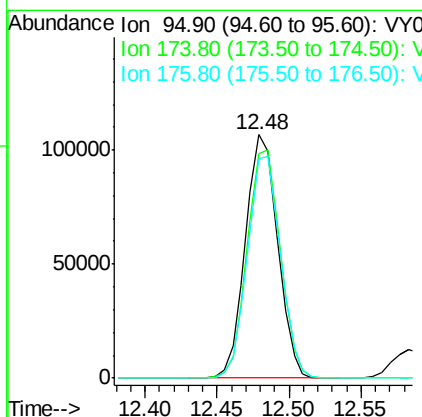
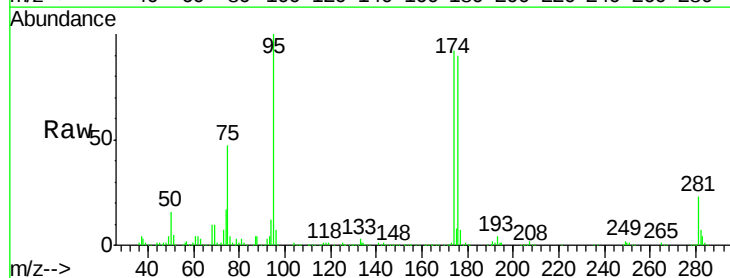
Manual Integrations
APPROVED

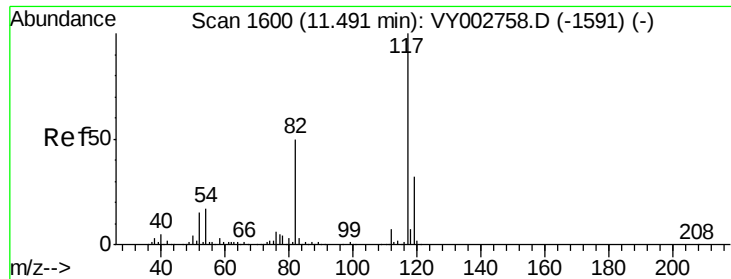
MMDadoda
6/18/2020 11:14:18 AM



#62
4-Bromofluorobenzene
Concen: 50.564 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	191.2
176	93.3	0.0	188.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

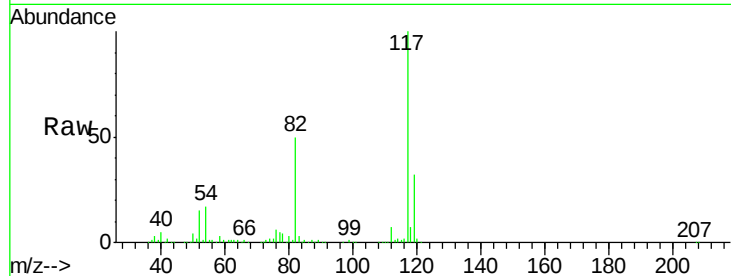
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	40.2	60.4
119	31.8	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
6/18/2020 11:14:18 AM

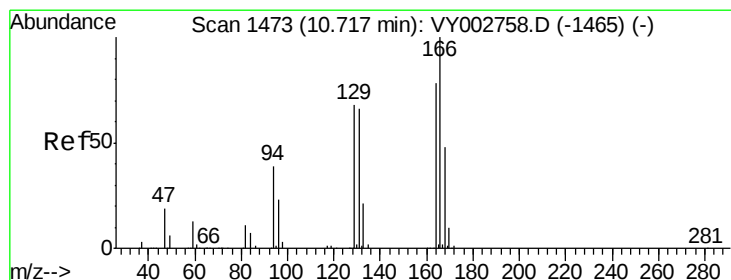
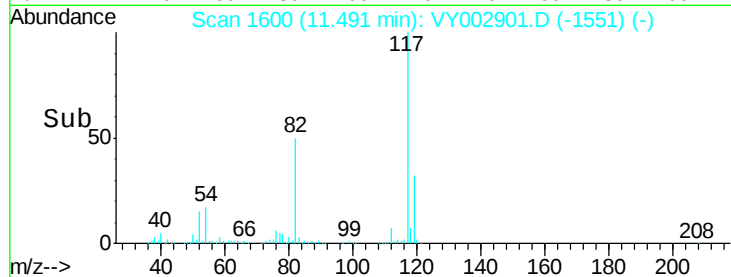
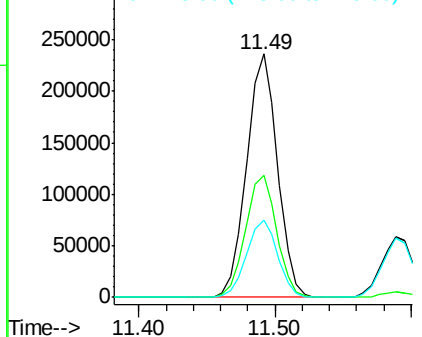


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.068 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.3	153.5
129	86.8	69.4	104.2
131	84.0	67.8	101.6

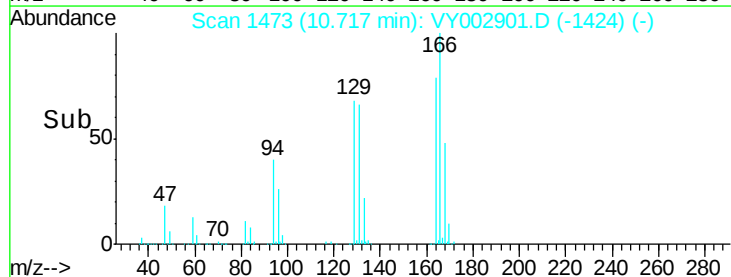
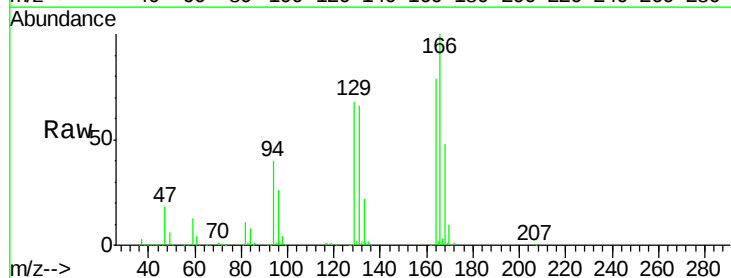
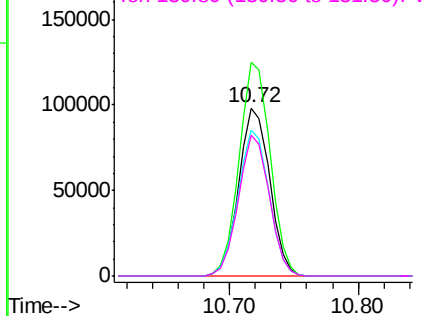
Abundance

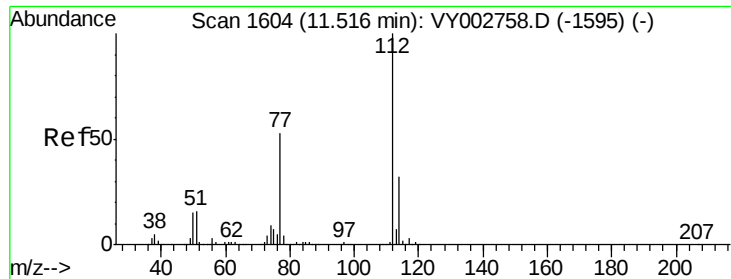
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





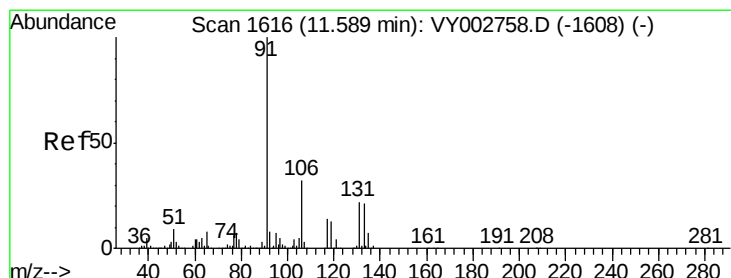
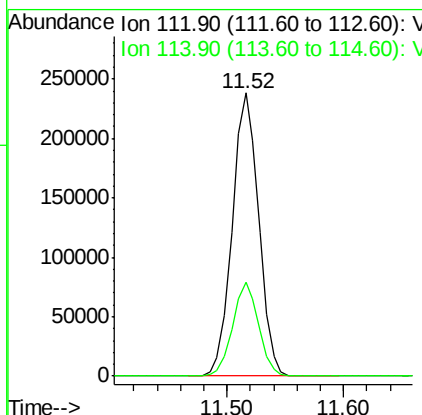
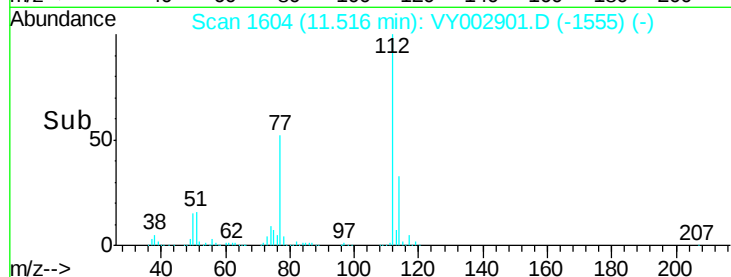
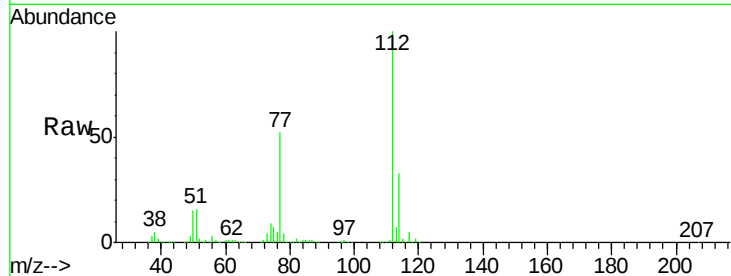
#65
Chlorobenzene
Concen: 50.760 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 375503
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5

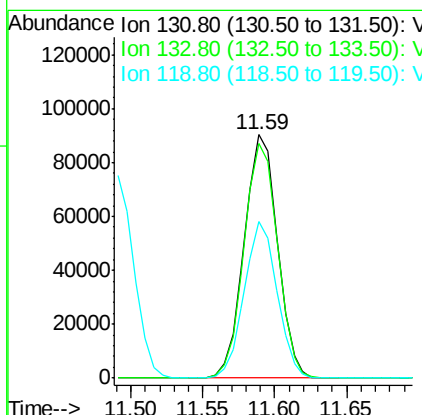
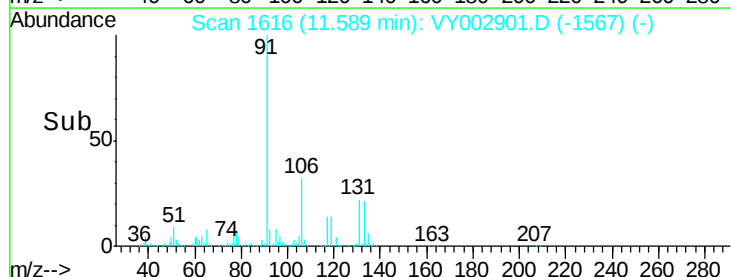
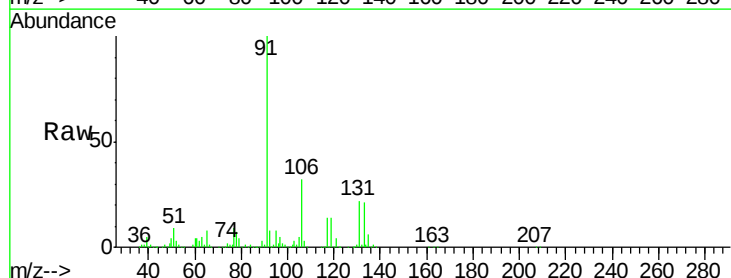
Manual Integrations
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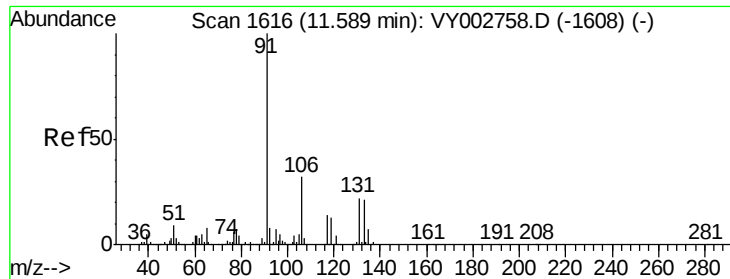
MMDadoda
6/18/2020 11:14:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.808 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion:131 Resp: 144343
Ion Ratio Lower Upper
131 100
133 97.3 47.6 142.8
119 63.4 31.7 95.1





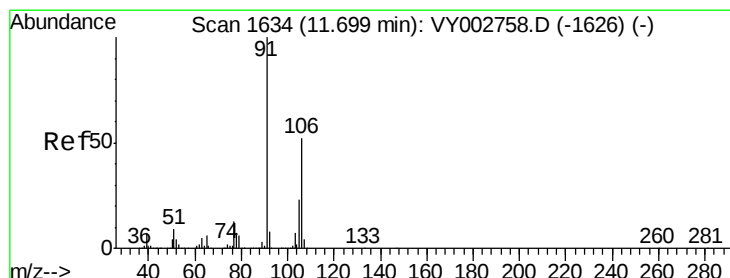
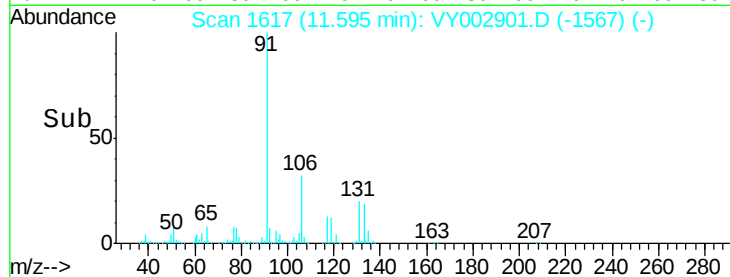
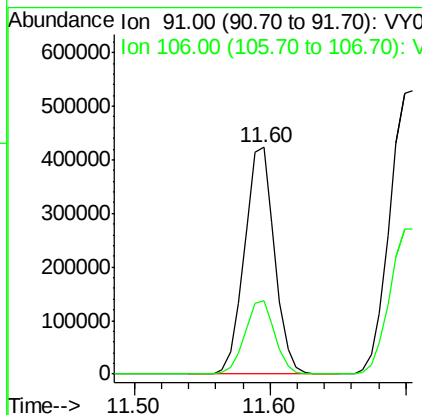
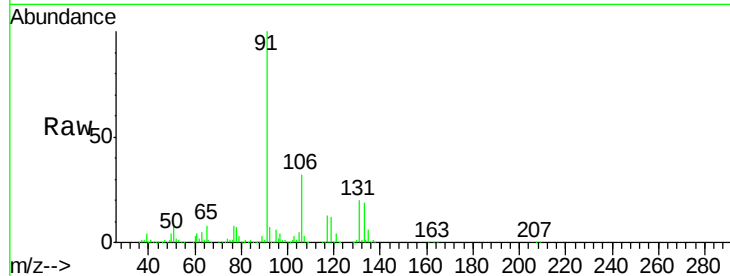
#67
Ethyl Benzene
Concen: 50.871 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 652408
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

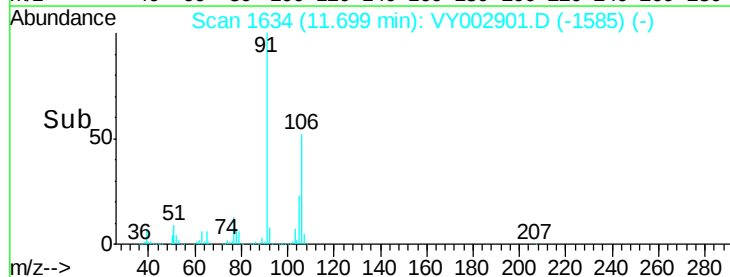
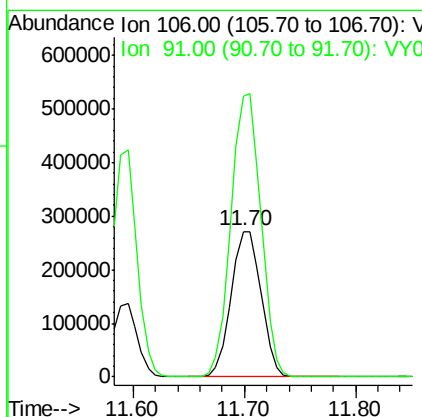
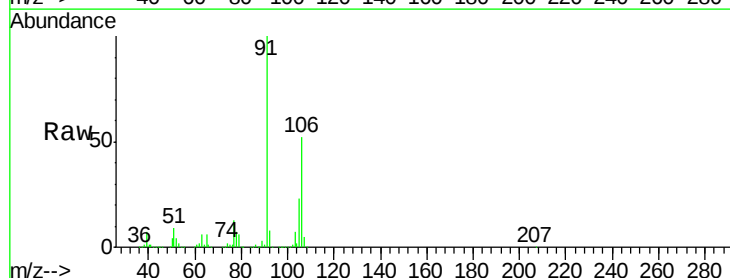
Manual Integrations
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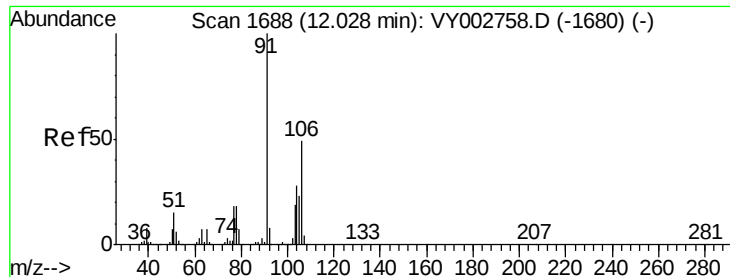
MMDadoda
6/18/2020 11:14:18 AM



#68
m/p-Xylenes
Concen: 101.973 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion: 106 Resp: 507052
Ion Ratio Lower Upper
106 100
91 194.0 156.0 234.0





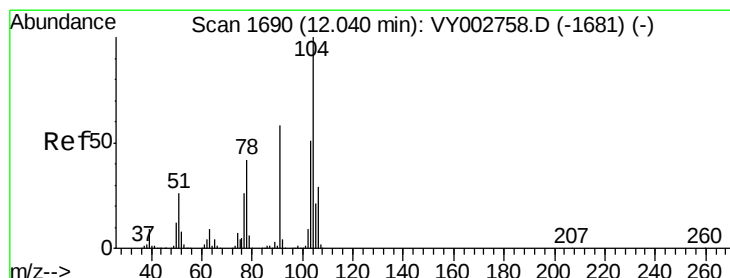
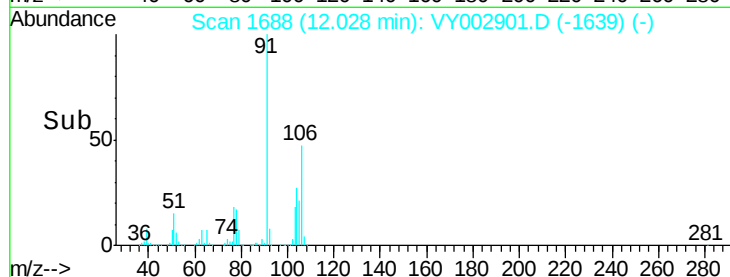
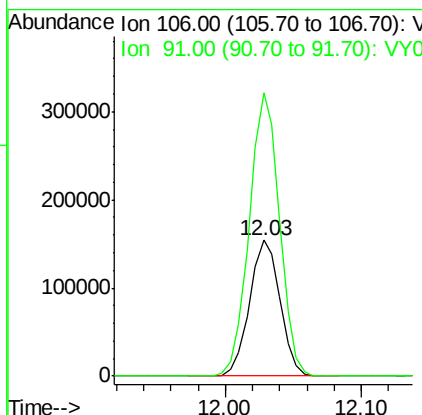
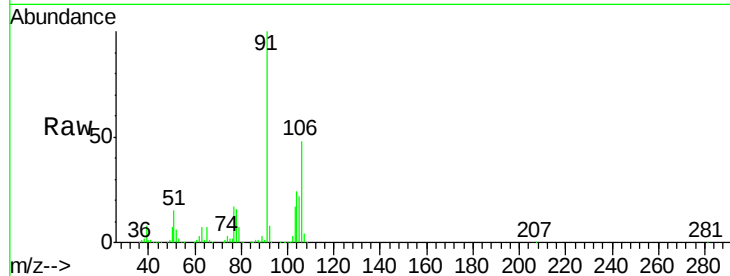
#69
o-Xylene
Concen: 51.596 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.3	102.4	307.1	

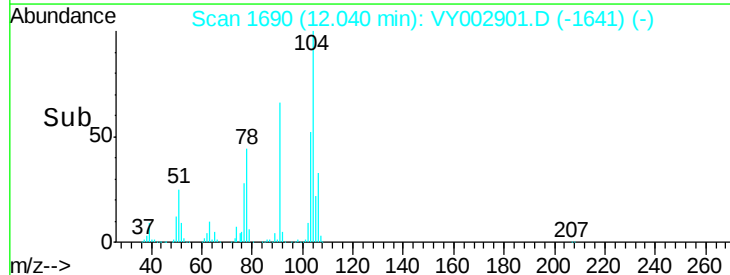
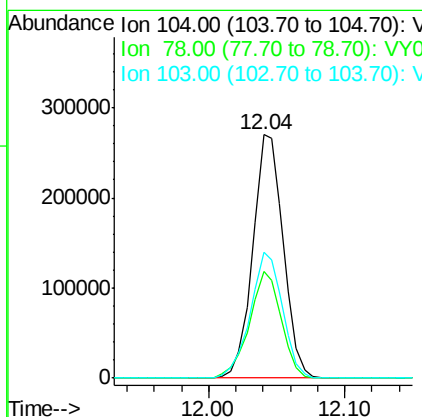
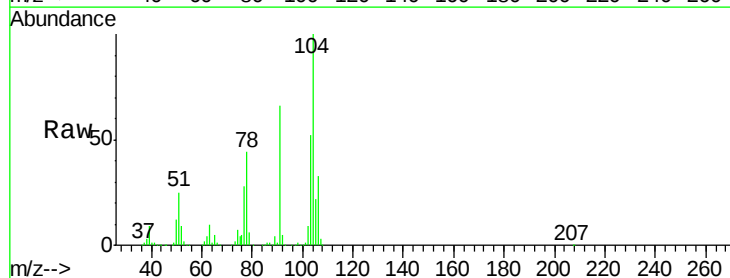
Manual Integrations
APPROVED

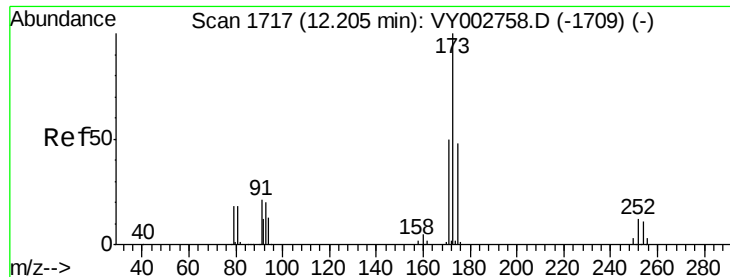
MMDadoda
6/18/2020 11:14:18 AM



#70
Styrene
Concen: 52.085 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.9	36.2	54.4	
103	54.6	43.6	65.4	





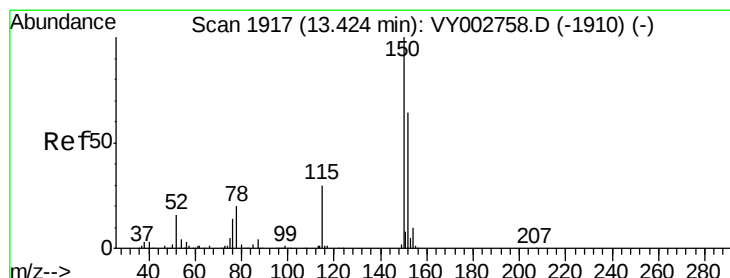
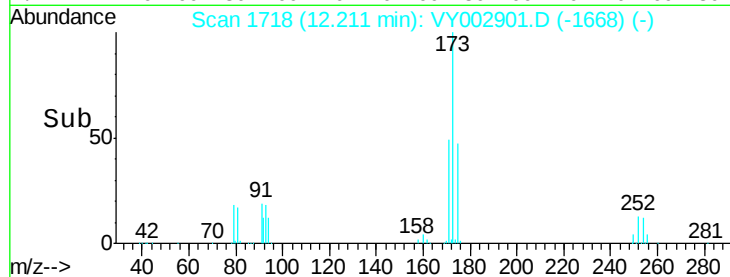
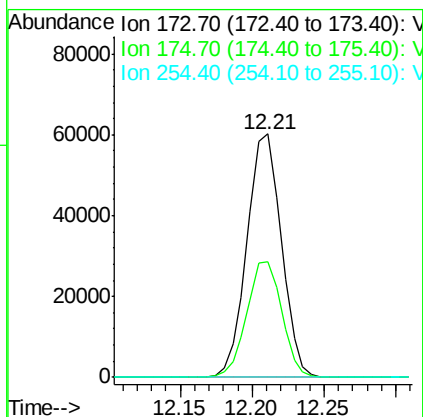
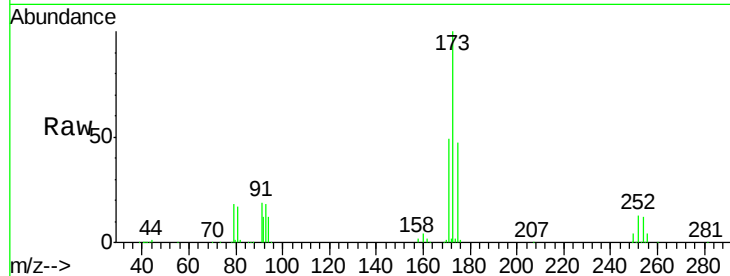
#71
Bromoform
Concen: 53.264 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.2	0.1	0.1#

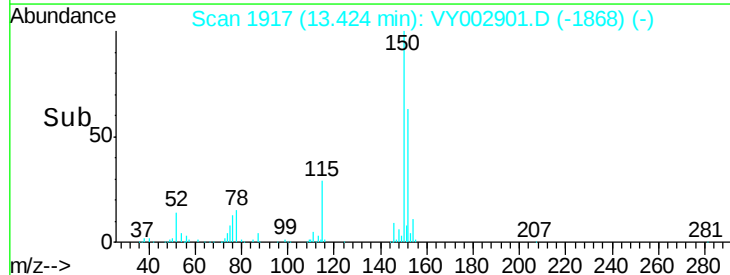
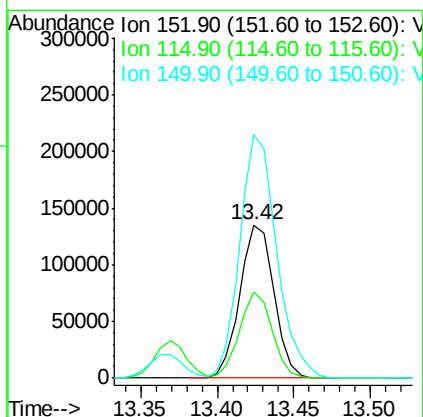
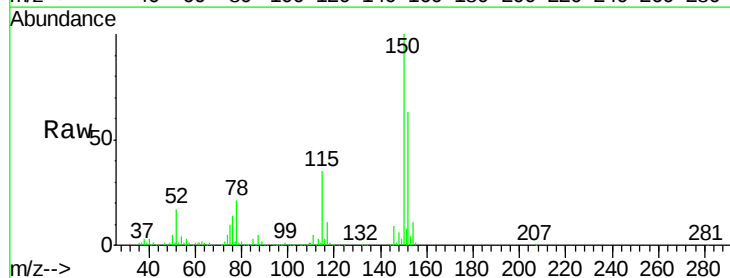
Manual Integrations
APPROVED

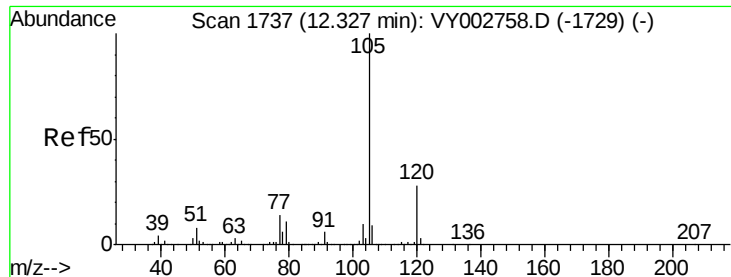
MMDadoda
6/18/2020 11:14:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	172.0	0.0	344.8





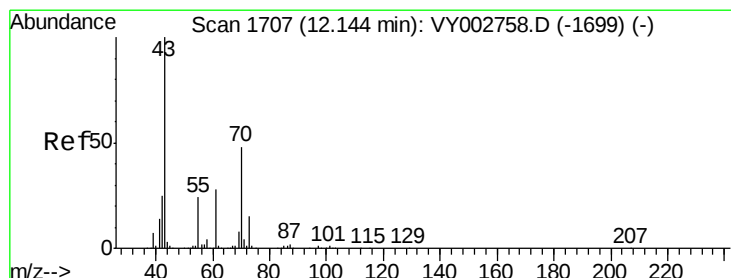
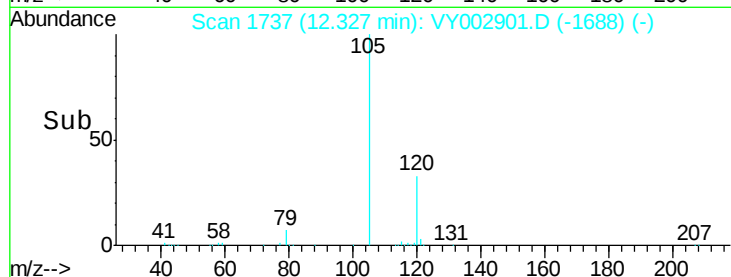
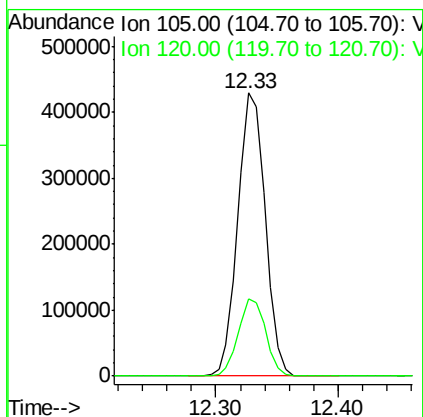
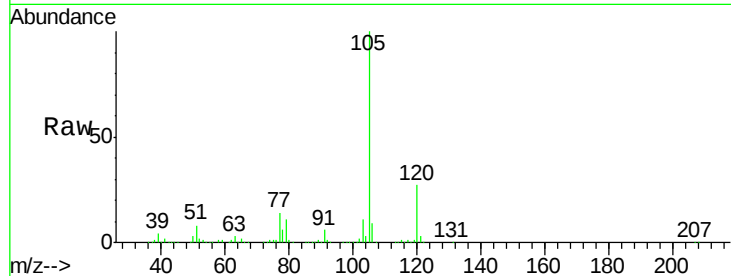
#73
Isopropylbenzene
Concen: 49.736 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 666693
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1

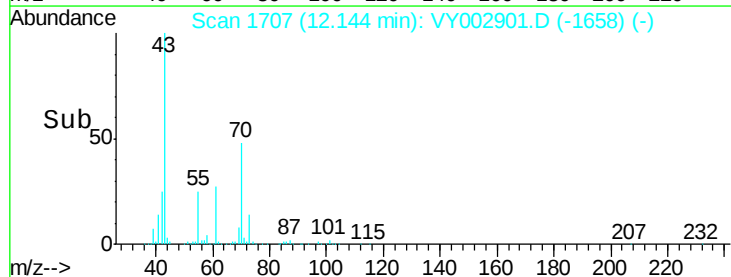
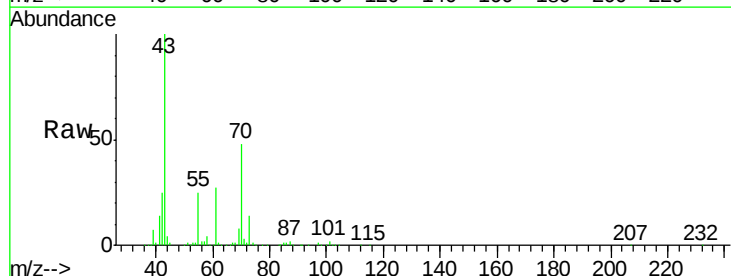
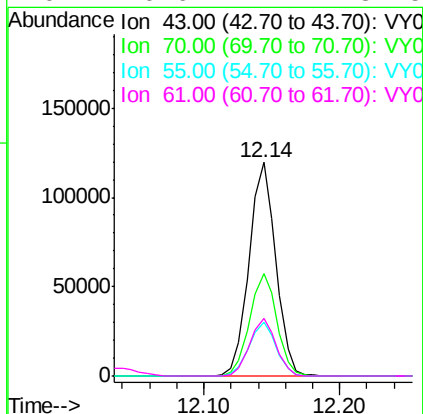
Manual Integrations
APPROVED

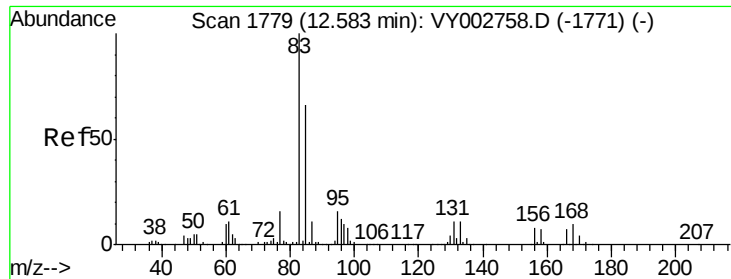
MMDadoda
6/18/2020 11:14:18 AM



#74
N-ethyl acetate
Concen: 47.982 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion: 43 Resp: 165029
Ion Ratio Lower Upper
43 100
70 48.8 37.7 56.5
55 25.5 19.8 29.6
61 26.6 21.7 32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.211 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

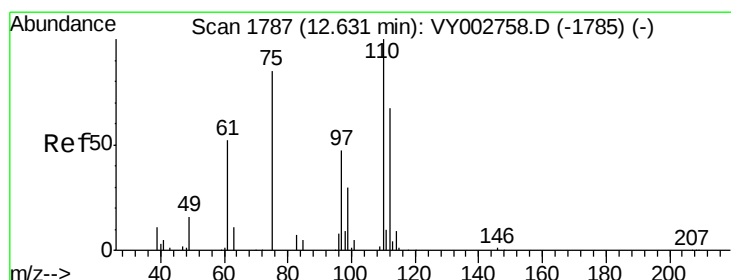
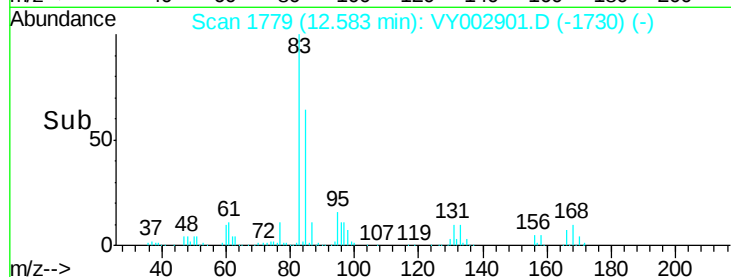
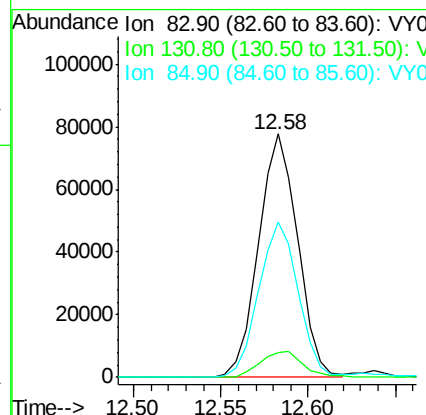
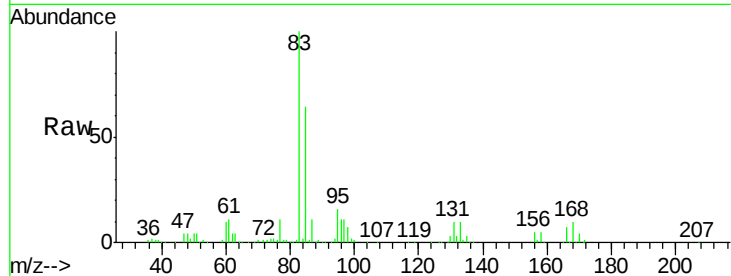
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120444
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.7	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.848 ug/l m

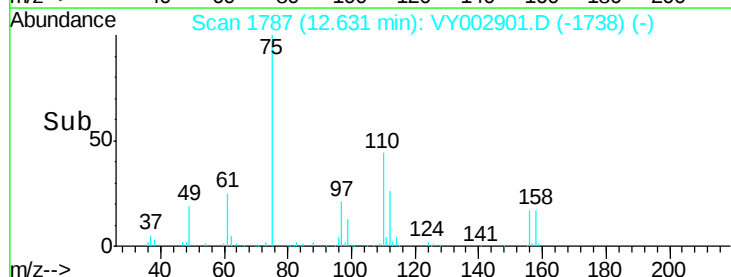
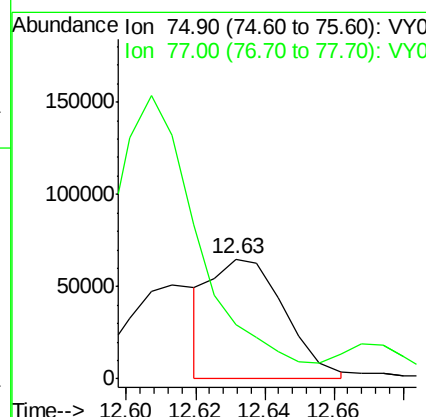
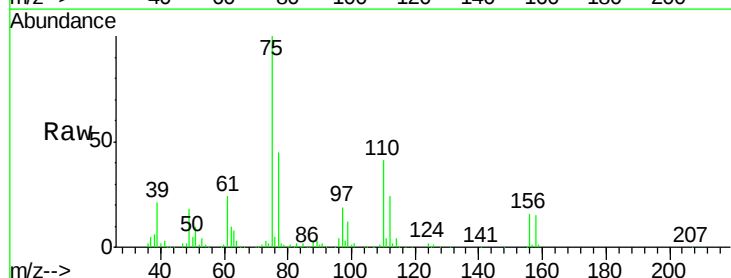
RT: 12.63 min Scan# 1787

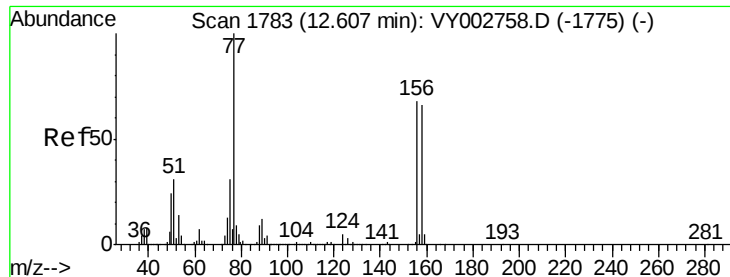
Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion:	75	Resp:	95837
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.591 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

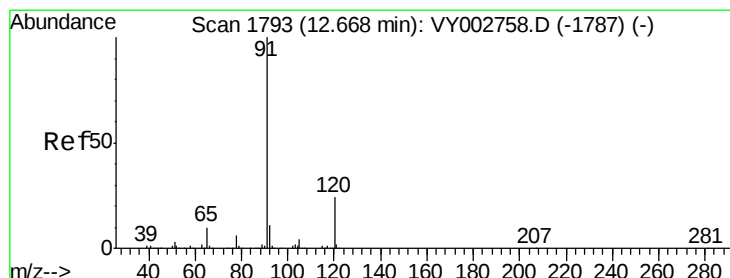
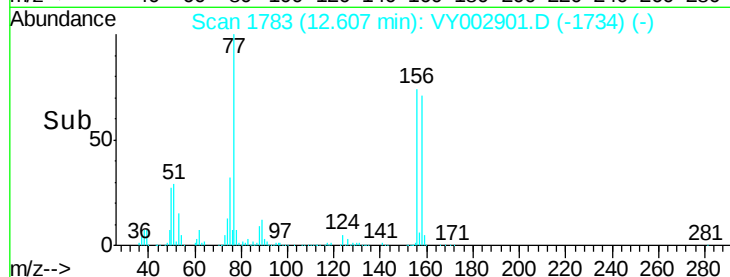
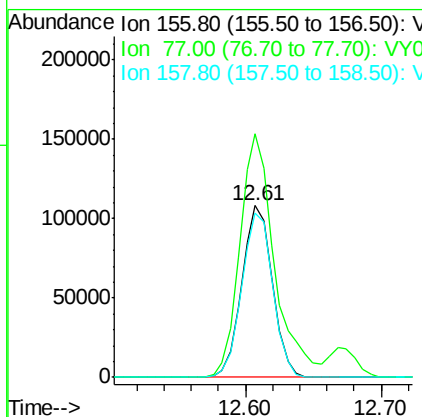
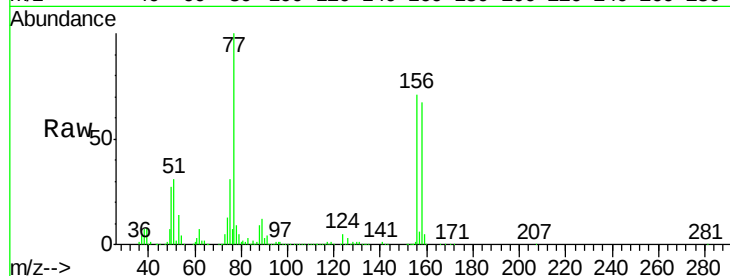
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	169600
Ion Ratio	Lower	Upper	
156	100		
77	161.3	81.4	244.2
158	97.1	48.5	145.6

Manual Integrations
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6/18/2020 11:14:18 AM



#78

n-propylbenzene

Concen: 49.017 ug/l

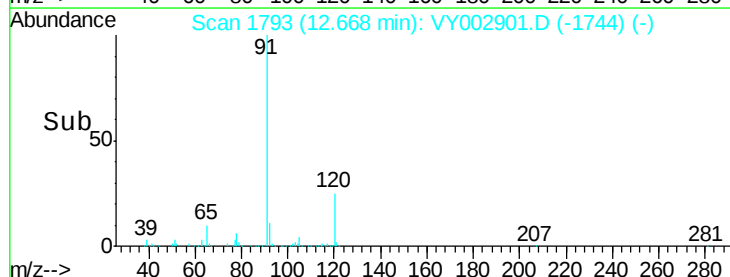
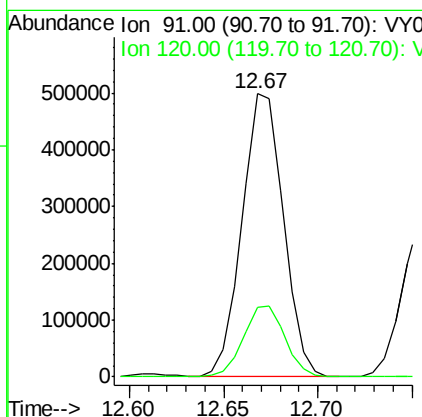
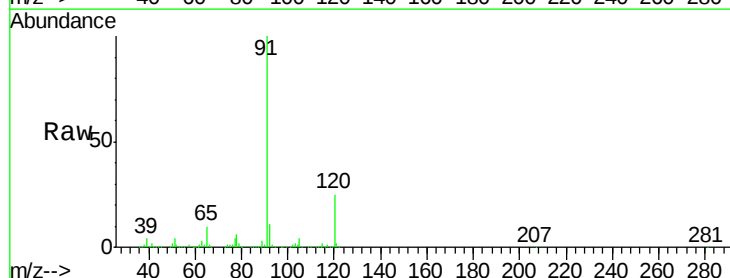
RT: 12.67 min Scan# 1793

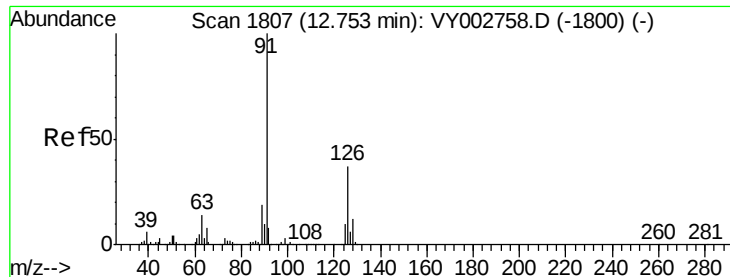
Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion:	91	Resp:	758972
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.3	36.9





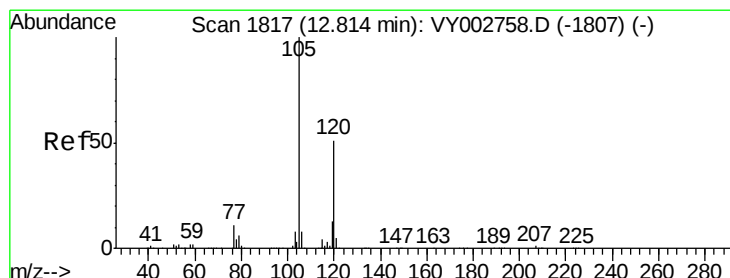
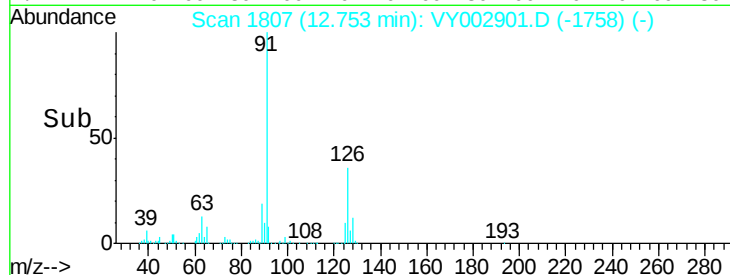
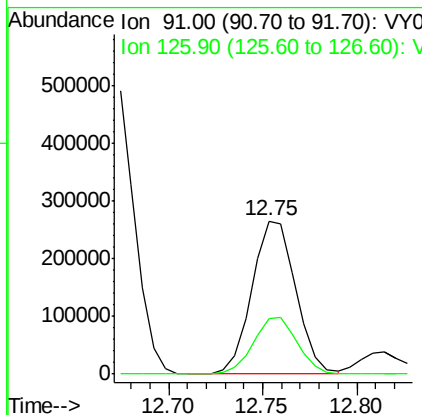
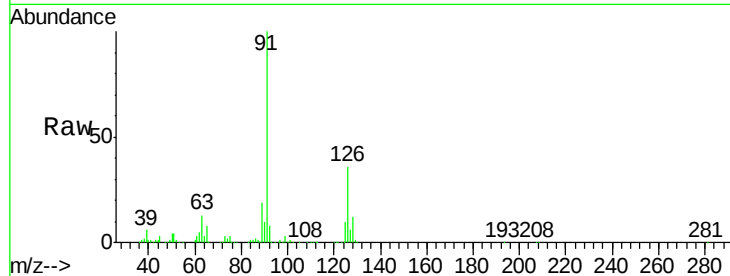
#79
2-Chlorotoluene
Concen: 49.104 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 426497
Ion Ratio Lower Upper
91 100
126 36.7 18.4 55.4

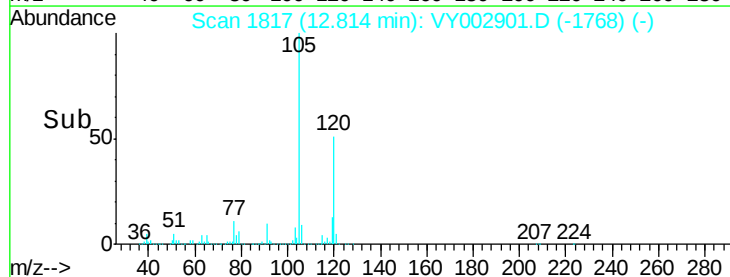
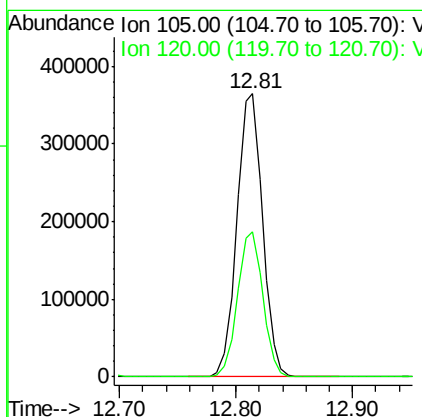
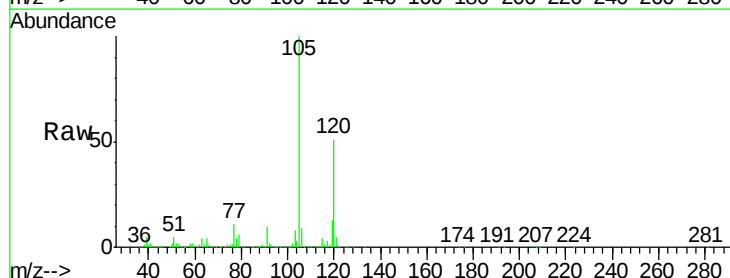
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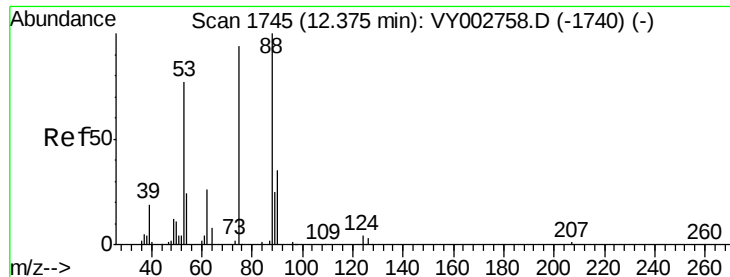
MMDadoda
6/18/2020 11:14:18 AM



#80
1,3,5-Trimethylbenzene
Concen: 49.943 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion: 105 Resp: 558968
Ion Ratio Lower Upper
105 100
120 50.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.406 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

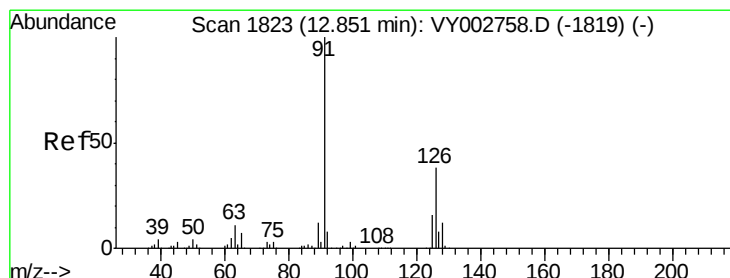
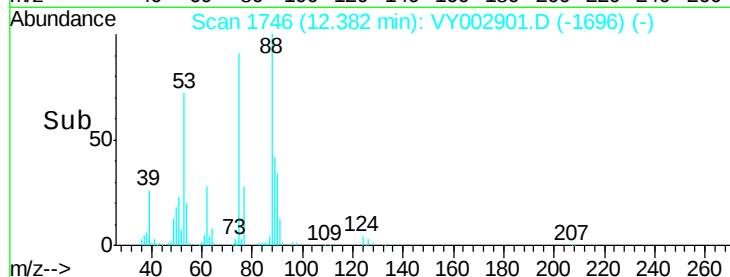
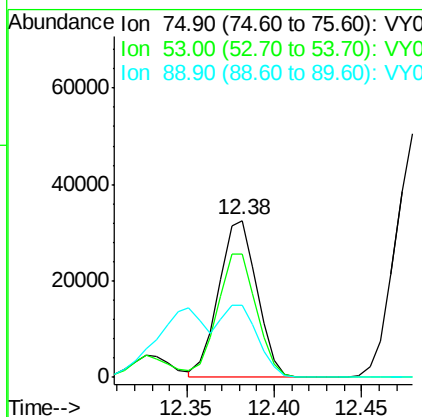
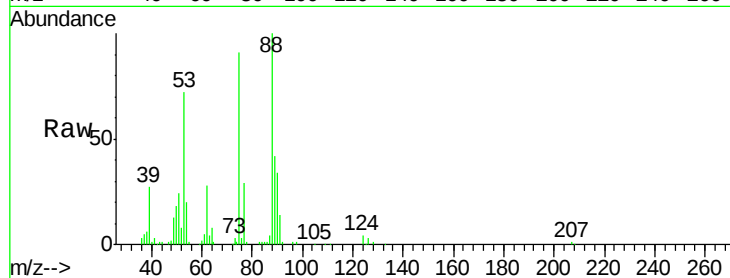
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	49426
Ion	Ratio	Lower	Upper
75	100		
53	80.4	64.0	96.0
89	45.1	37.4	56.2

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#82

4-Chlorotoluene

Concen: 48.860 ug/l

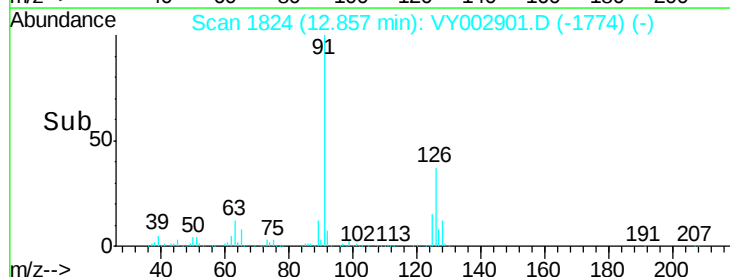
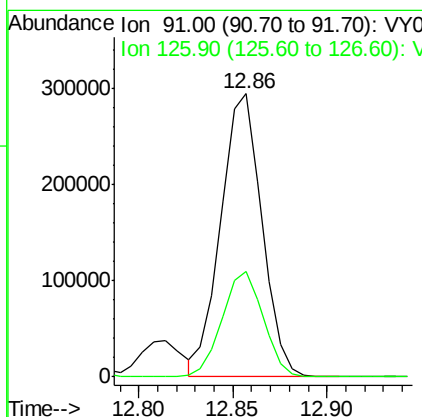
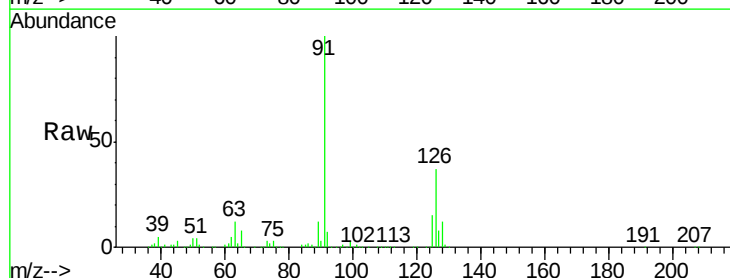
RT: 12.86 min Scan# 1824

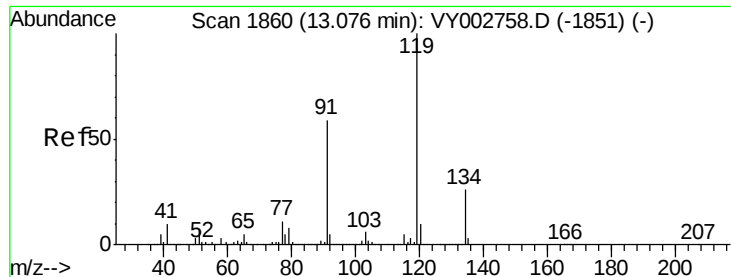
Delta R.T. 0.01 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Tgt Ion:	91	Resp:	444631
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.5	55.5





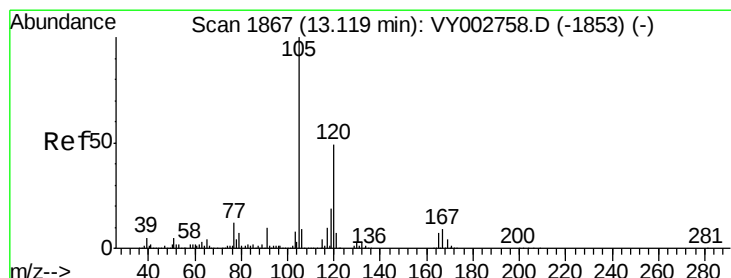
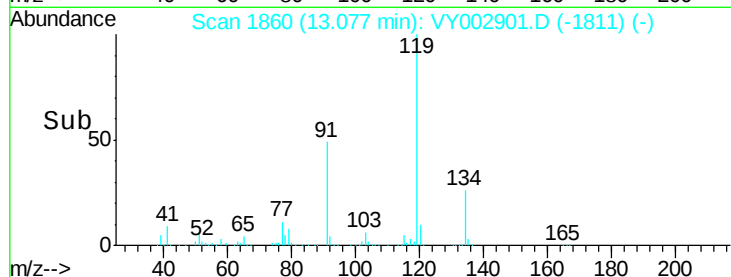
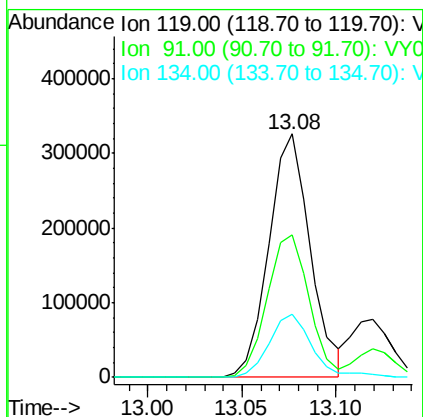
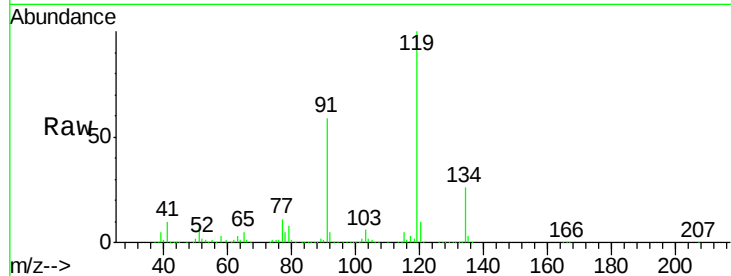
#83
tert-Butylbenzene
Concen: 49.808 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	497256		
91	59.3		29.8	89.4
134	27.1		13.3	39.8

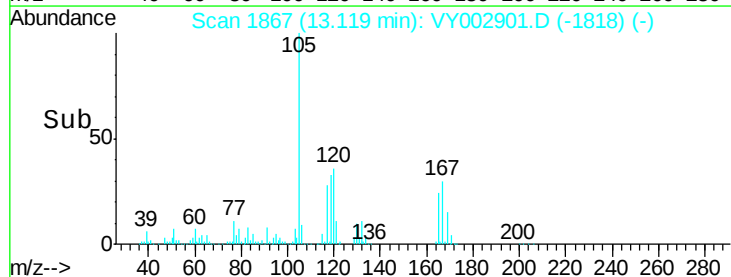
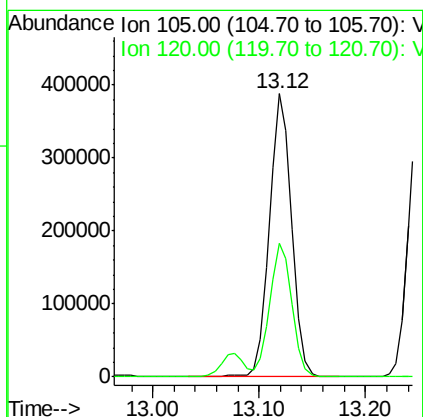
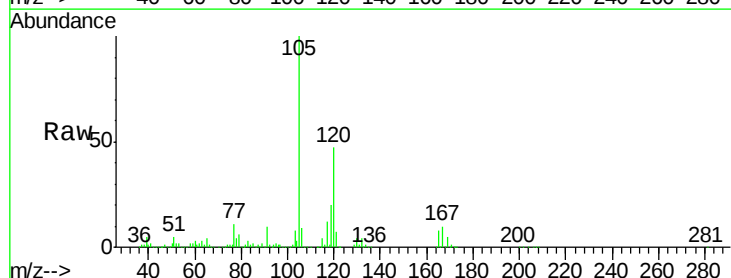
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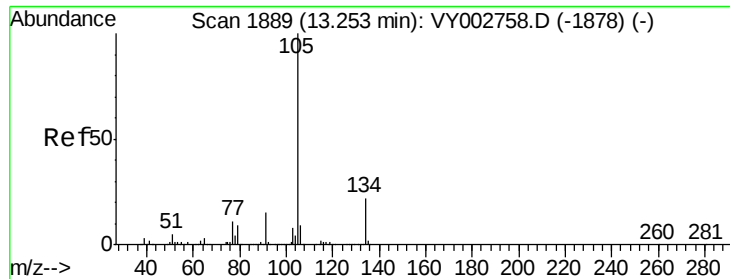
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.243 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565427		
120	46.9		23.6	70.8





#85

sec-Butylbenzene

Concen: 49.982 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 682289

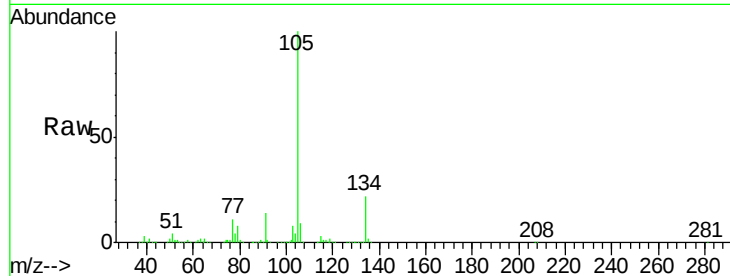
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

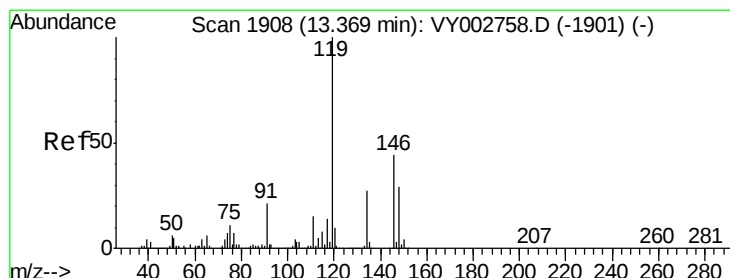
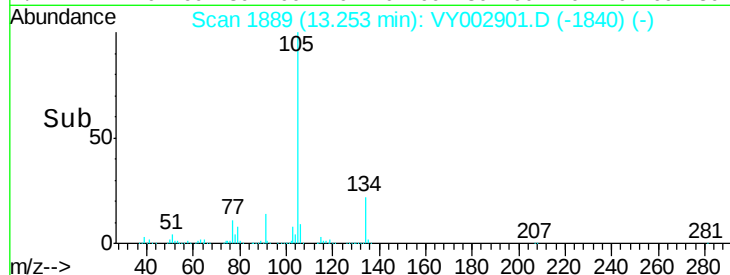
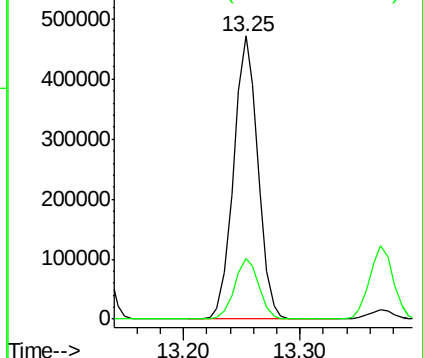
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.324 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

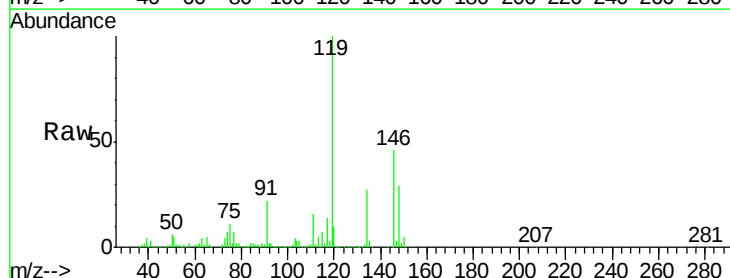
Tgt Ion:119 Resp: 639204

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

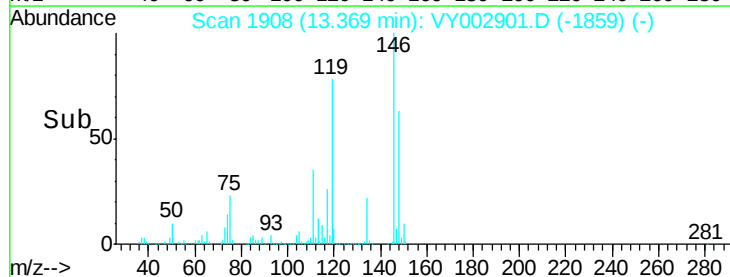
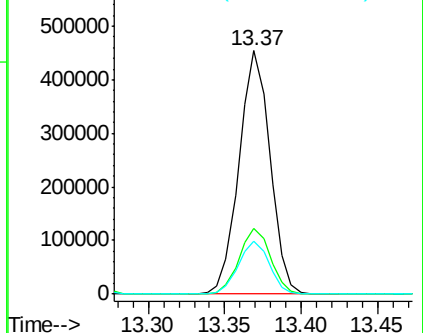
91 21.7 10.8 32.4

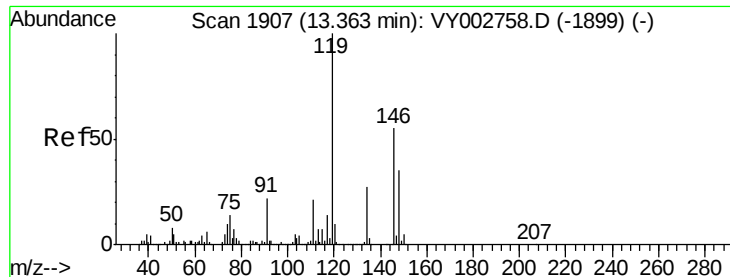


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





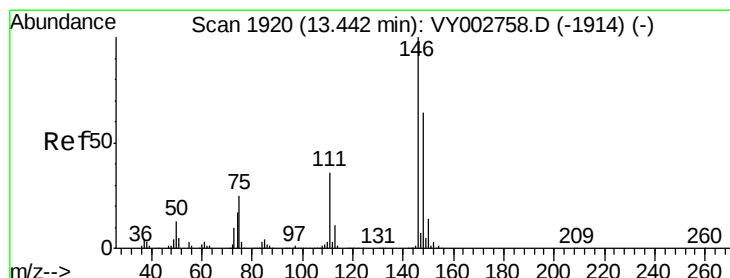
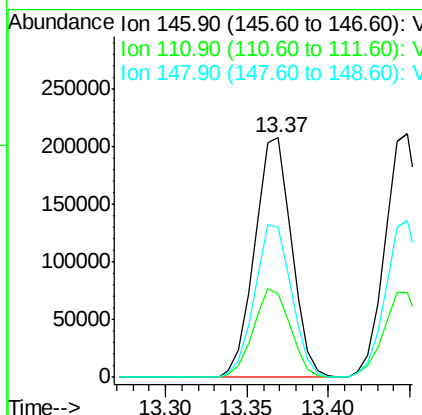
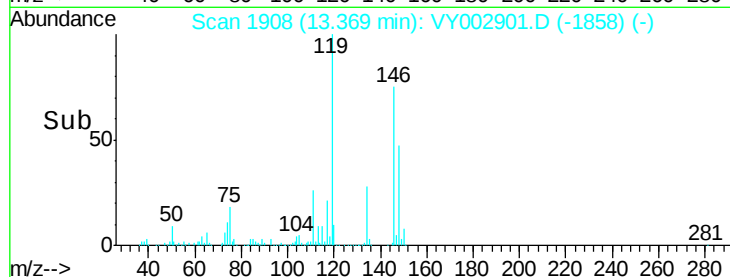
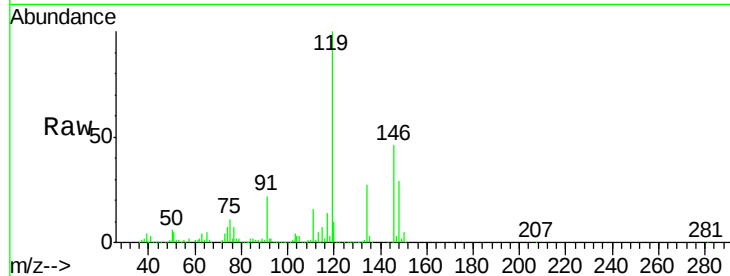
#87
 1,3-Dichlorobenzene
 Concen: 49.502 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	63.6	31.9	95.7

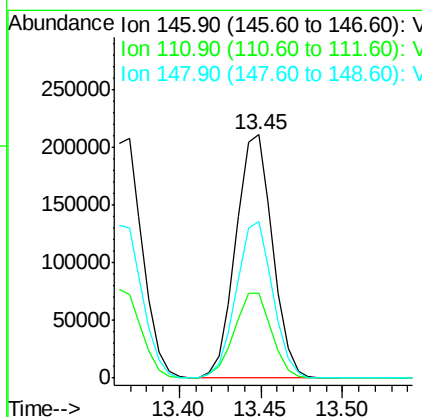
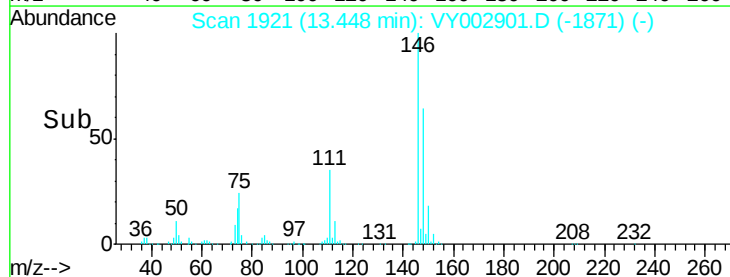
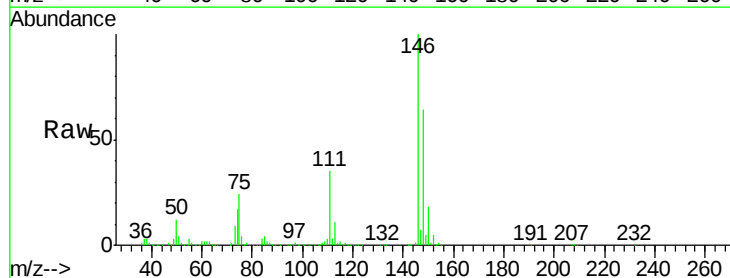
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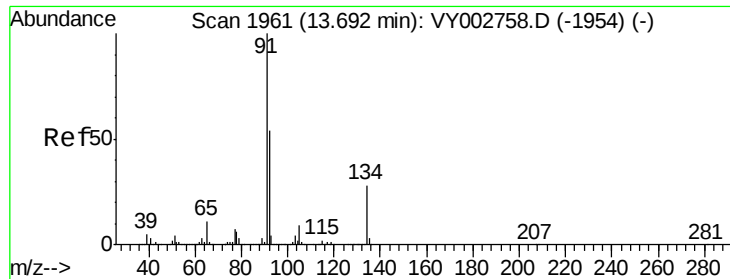
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#88
 1,4-Dichlorobenzene
 Concen: 49.956 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.3
148	63.8	32.1	96.3





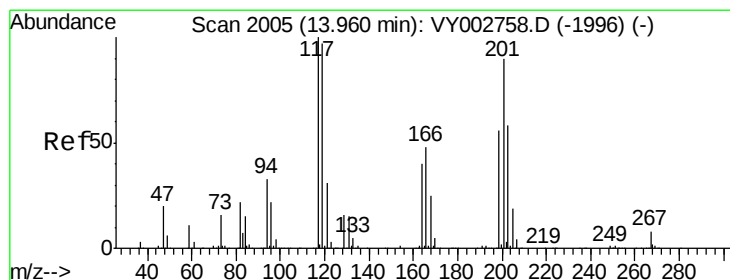
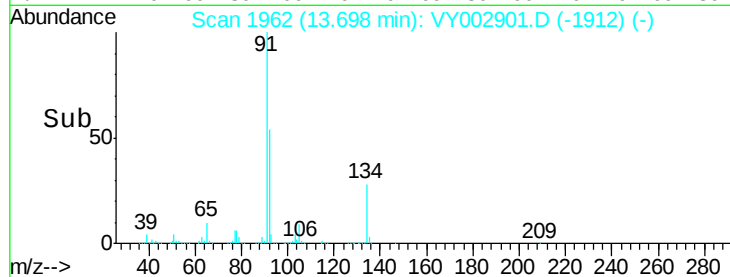
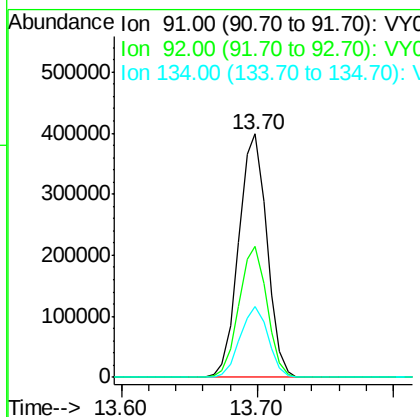
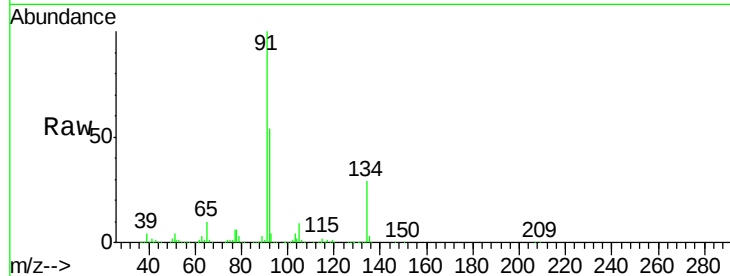
#89
n-Butylbenzene
Concen: 49.978 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	29.0	14.3	42.9

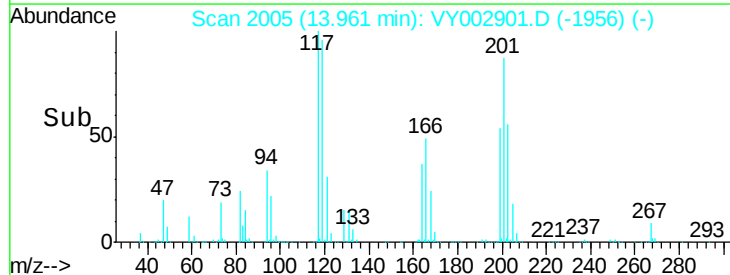
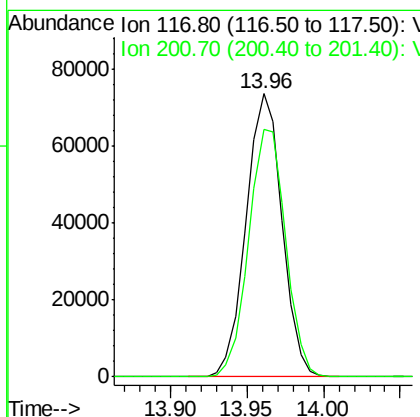
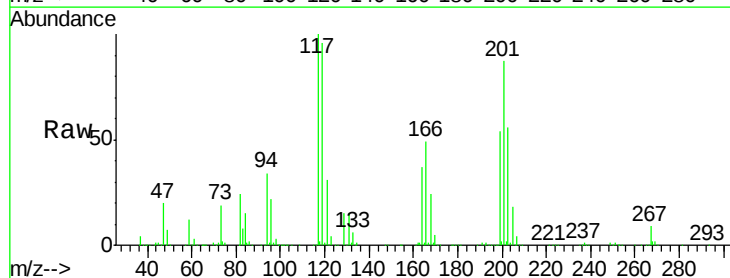
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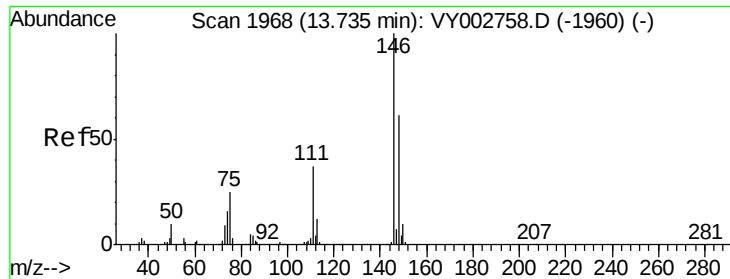
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6/18/2020 11:14:18 AM



#90
Hexachloroethane
Concen: 50.537 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	43.9	131.6





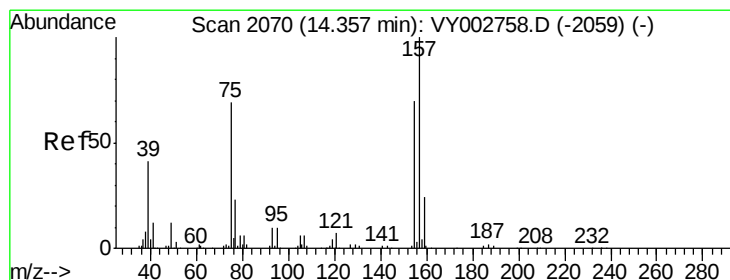
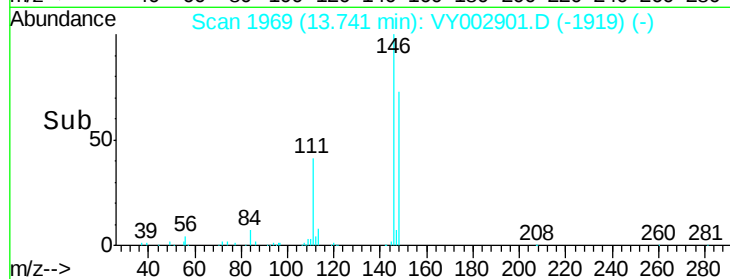
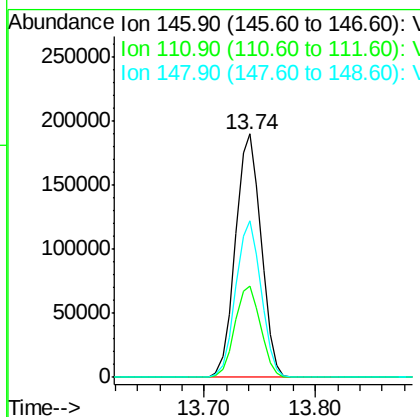
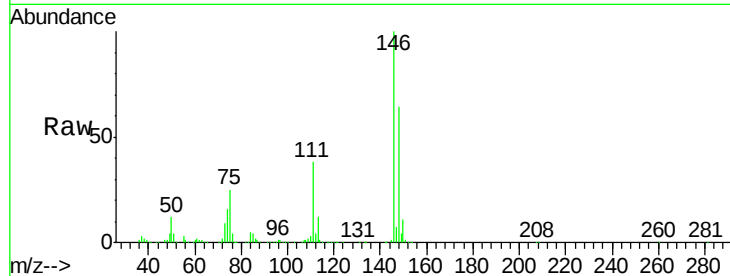
#91
 1,2-Dichlorobenzene
 Concen: 50.302 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.5	31.9	95.5

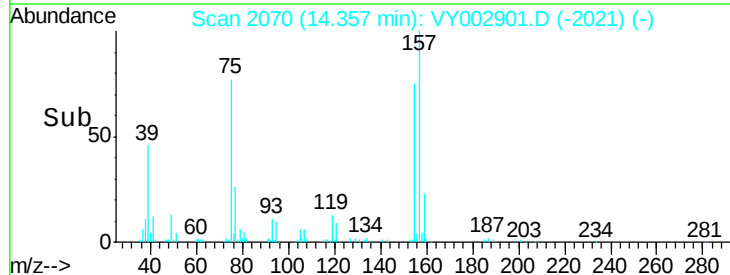
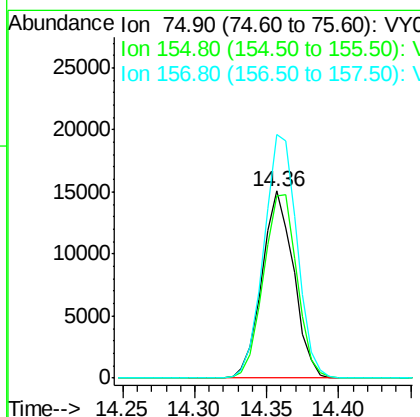
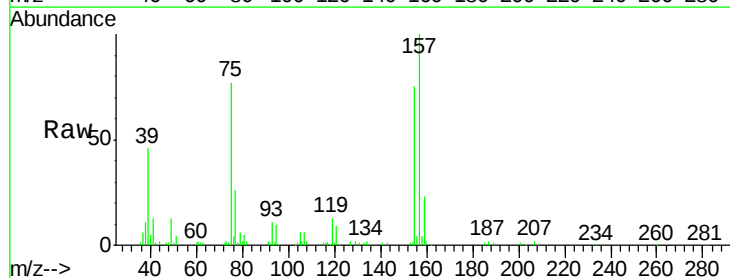
Manual Integrations
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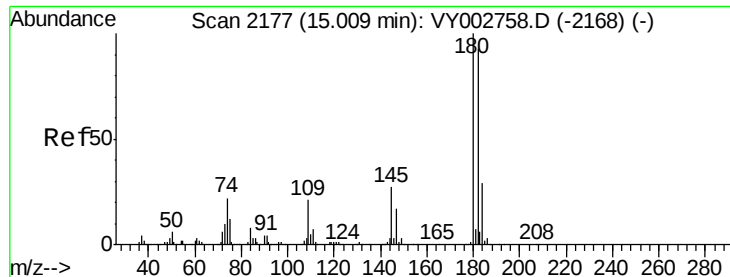
MMDadoda
 6/18/2020 11:14:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.613 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002901.D
 Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.9	53.5	160.5
157	136.0	69.9	209.7





#93

1,2,4-Trichlorobenzene

Concen: 49.837 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VY002901.D

Acq: 16 Jun 2020 11:22

Instrument :

MSVOA_Y

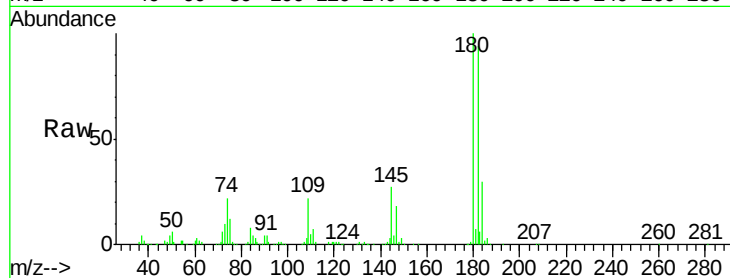
ClientSampleId :

VSTDCCC050

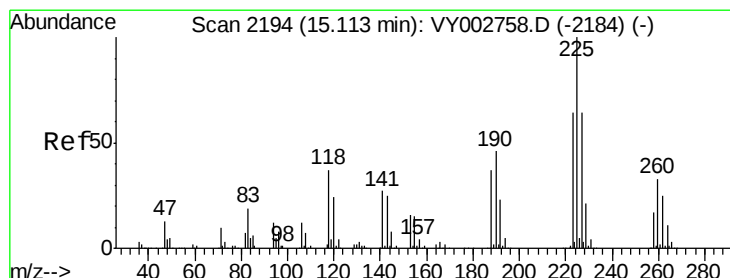
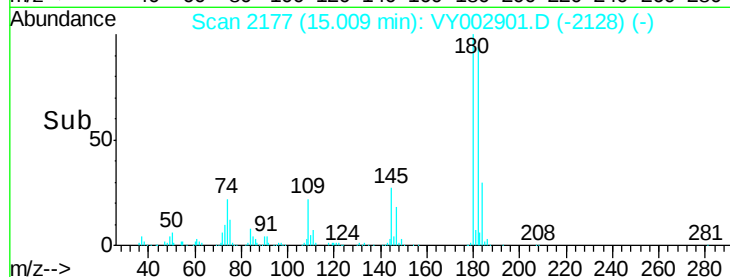
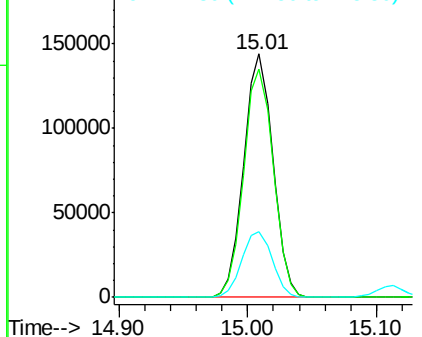
Tot Ion:	180	Resp:	225236
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.9
145	28.1	14.1	42.3

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.582 ug/l

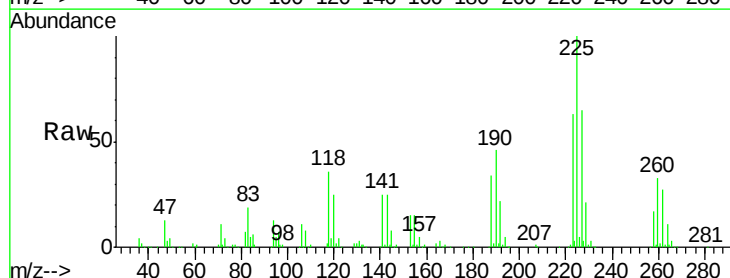
RT: 15.11 min Scan# 2194

Delta R.T. 0.00 min

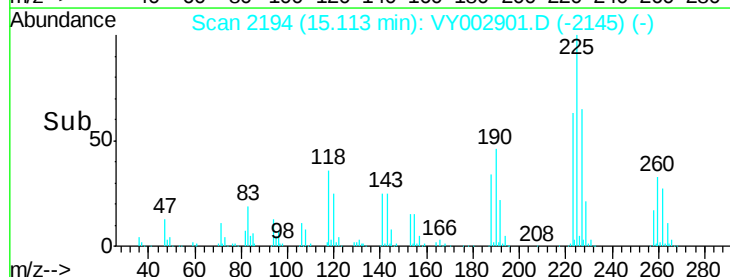
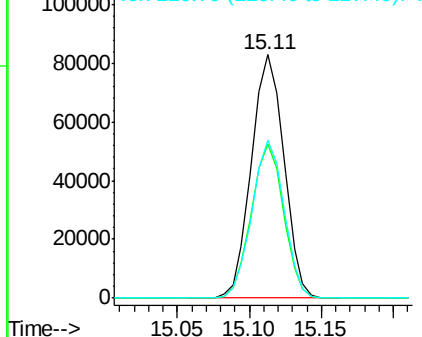
Lab File: VY002901.D

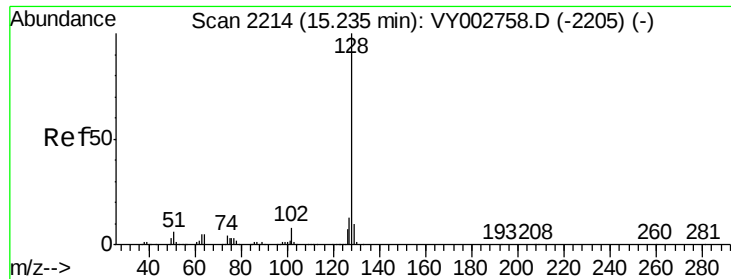
Acq: 16 Jun 2020 11:22

Tgt Ion:	225	Resp:	129657
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	95.0
227	63.8	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





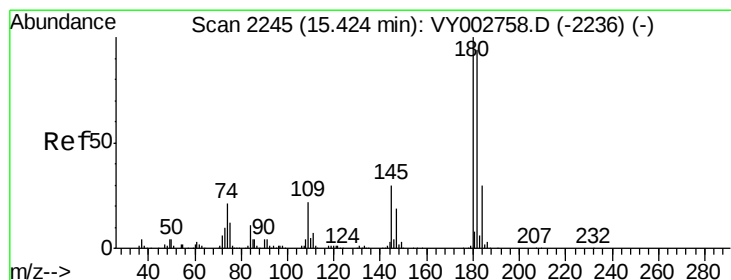
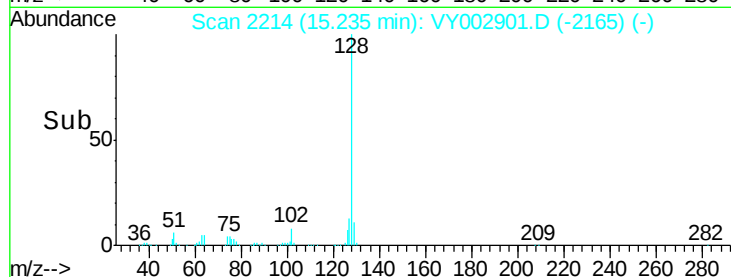
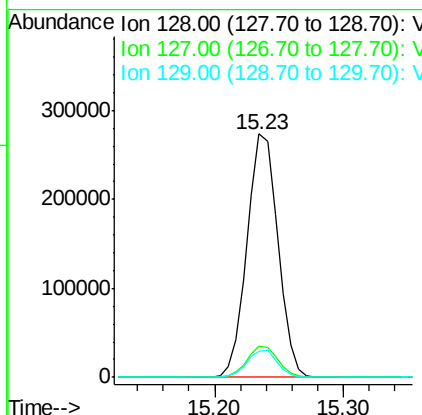
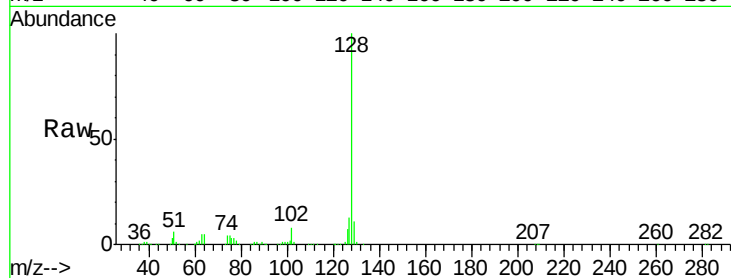
#95
Naphthalene
Concen: 49.806 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 49.665 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002901.D
Acq: 16 Jun 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.4
145	30.0	15.1	45.3

