

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001761.D
 Acq On : 24 Feb 2020 09:54
 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
 2/25/2020 10:53:49 AM

Quant Time: Feb 24 13:47:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	198330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	360579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	320269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	100992	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
35) Dibromofluoromethane	7.74	113	96838	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	10.19	98	405808	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.49	95	145164	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	97568	50.468	ug/l	99
3) Chloromethane	2.13	50	127071	48.868	ug/l	98
4) Vinyl Chloride	2.27	62	126282	48.148	ug/l	98
5) Bromomethane	2.67	94	81442	49.684	ug/l	98
6) Chloroethane	2.81	64	78328	48.464	ug/l	96
7) Trichlorofluoromethane	3.15	101	166993	49.748	ug/l	96
8) Diethyl Ether	3.55	74	62194	46.999	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	106575	50.513	ug/l	99
10) Methyl Iodide	4.12	142	126375	48.941	ug/l	99
11) Tert butyl alcohol	4.98	59	46398	180.720	ug/l	100
12) 1,1-Dichloroethene	3.90	96	106675	49.572	ug/l	99
13) Acrolein	3.75	56	56206	260.871	ug/l	99
14) Allyl chloride	4.50	41	192872	50.361	ug/l	99
15) Acrylonitrile	5.19	53	151800	223.797	ug/l	99
16) Acetone	3.97	43	188385	255.210	ug/l	97
17) Carbon Disulfide	4.22	76	345202	48.049	ug/l	100
18) Methyl Acetate	4.50	43	69584	43.287	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	275928	46.054	ug/l	99
20) Methylene Chloride	4.75	84	118188	45.077	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	120429	49.051	ug/l	99
22) Diisopropyl ether	6.14	45	383326	48.738	ug/l	98
23) Vinyl Acetate	6.09	43	1201241	234.149	ug/l	97
24) 1,1-Dichloroethane	6.05	63	210749	50.135	ug/l	100
25) 2-Butanone	7.01	43	234061	233.418	ug/l	98
26) 2,2-Dichloropropane	7.01	77	179046	48.956	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	132154	48.764	ug/l	99
28) Bromochloromethane	7.36	49	90466	51.663	ug/l	99
29) Tetrahydrofuran	7.37	42	127068	209.654	ug/l	99
30) Chloroform	7.53	83	199586	48.592	ug/l	99
31) Cyclohexane	7.80	56	212343	47.378	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	171504	49.681	ug/l	100
36) 1,1-Dichloropropene	7.94	75	165857	48.155	ug/l	100
37) Ethyl Acetate	7.10	43	86211	41.938	ug/l	99
38) Carbon Tetrachloride	7.92	117	148366	49.042	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	218418	47.801	ug/l	99
40) Benzene	8.18	78	492502	48.620	ug/l	98
41) Methacrylonitrile	7.34	41	47446m	45.967	ug/l	
42) 1,2-Dichloroethane	8.26	62	126102	45.695	ug/l	99
43) Isopropyl Acetate	8.29	43	170621	43.744	ug/l	99
44) Trichloroethene	8.96	130	120440	47.629	ug/l	97
45) 1,2-Dichloropropane	9.24	63	124912	49.239	ug/l	98
46) Dibromomethane	9.32	93	60892	45.891	ug/l	99
47) Bromodichloromethane	9.51	83	154610	48.280	ug/l	99
48) Methyl methacrylate	9.31	41	79389	45.005	ug/l	97
49) 1,4-Dioxane	9.31	88	15177	809.837	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	425239	212.197	ug/l	99
52) Toluene	10.26	92	304945	48.262	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	168256	47.526	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	198194	48.641	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	90856	46.437	ug/l	98
56) Ethyl methacrylate	10.52	69	132762	45.232	ug/l	98
57) 1,3-Dichloropropane	10.80	76	162894	46.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	234017	208.855	ug/l	100
59) 2-Hexanone	10.85	43	340051	226.155	ug/l	99
60) Dibromochloromethane	11.00	129	102146	47.354	ug/l	100
61) 1,2-Dibromoethane	11.10	107	85918	46.443	ug/l	98
64) Tetrachloroethene	10.73	164	96201	47.849	ug/l	99
65) Chlorobenzene	11.53	112	309479	48.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	105230	48.787	ug/l	99
67) Ethyl Benzene	11.61	91	588136	49.565	ug/l	99
68) m/p-Xylenes	11.71	106	435161	98.175	ug/l	100
69) o-Xylene	12.04	106	207706	49.290	ug/l	97
70) Styrene	12.05	104	358211	48.912	ug/l	100
71) Bromoform	12.22	173	55310	44.871	ug/l #	99
73) Isopropylbenzene	12.34	105	565155	50.100	ug/l	99
74) N-amyl acetate	12.16	43	158603	44.055	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	109216	45.344	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	77075m	45.376	ug/l	
77) Bromobenzene	12.62	156	117221	47.935	ug/l	96
78) n-propylbenzene	12.68	91	688203	50.093	ug/l	100
79) 2-Chlorotoluene	12.77	91	378916	49.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	463406	49.627	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	42318	47.265	ug/l	99
82) 4-Chlorotoluene	12.86	91	399899	49.207	ug/l	99
83) tert-Butylbenzene	13.09	119	391138	50.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	459683	49.378	ug/l	99
85) sec-Butylbenzene	13.27	105	572275	49.823	ug/l	100
86) p-Isopropyltoluene	13.38	119	497639	49.872	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	229706	48.435	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	229126	47.794	ug/l	99
89) n-Butylbenzene	13.71	91	513338	50.347	ug/l	100
90) Hexachloroethane	13.97	117	95409	50.749	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	204282	46.675	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	16506	41.524	ug/l	98

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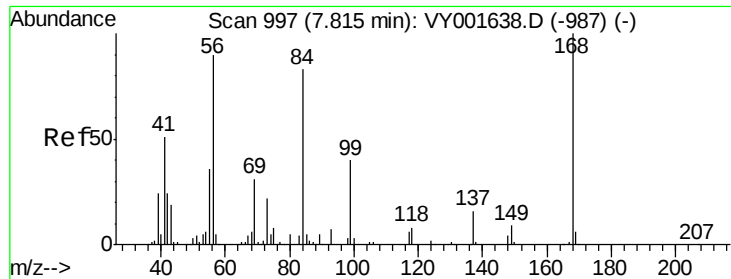
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	135383	46.678	ug/l	100
94) Hexachlorobutadiene	15.12	225	66355	46.002	ug/l	98
95) Naphthalene	15.25	128	294158	43.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	116548	45.675	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 198330

Ion Ratio Lower Upper

168 100

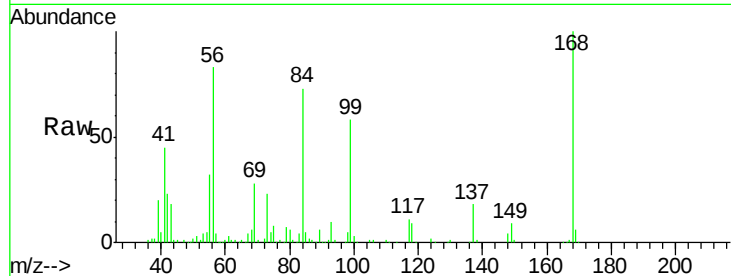
99 57.7 47.5 71.3

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Abundance Ion 167.90 (167.60 to 168.60): VY001761.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001761.D (-948) (-)

7.82

80000

60000

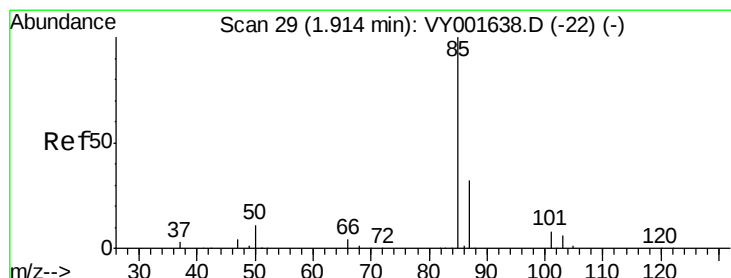
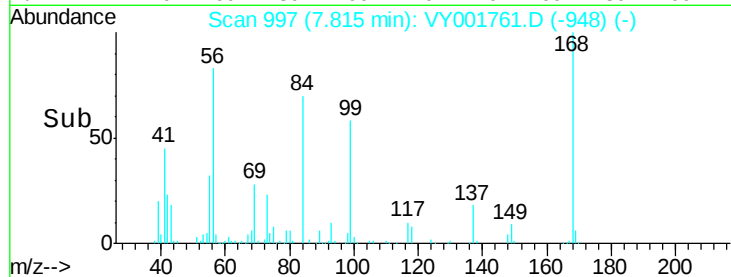
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.468 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY001761.D

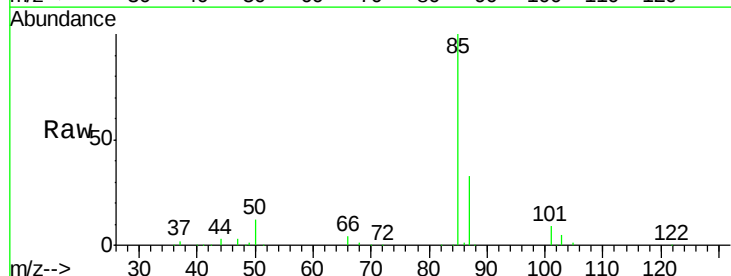
Acq: 24 Feb 2020 09:54

Tgt Ion: 85 Resp: 97568

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001761.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001761.D (-1) (-)

1.91

80000

60000

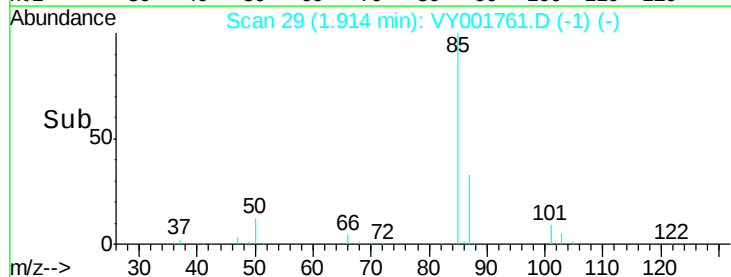
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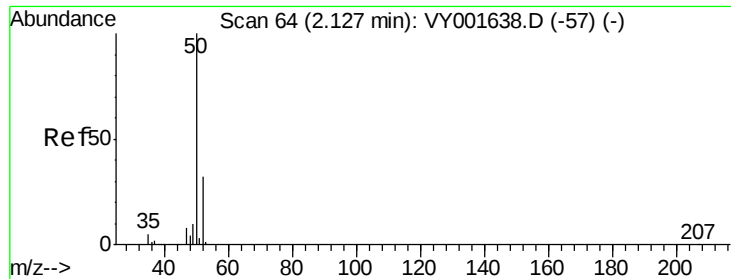
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.868 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 127071

Ion Ratio Lower Upper

50 100

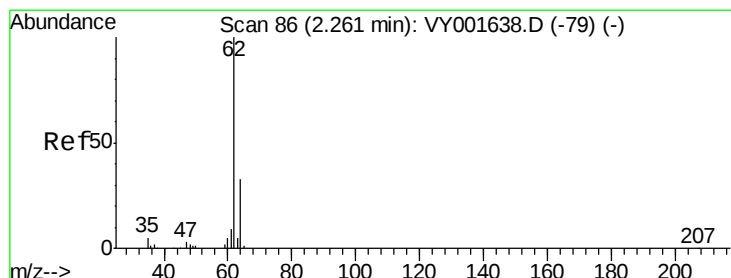
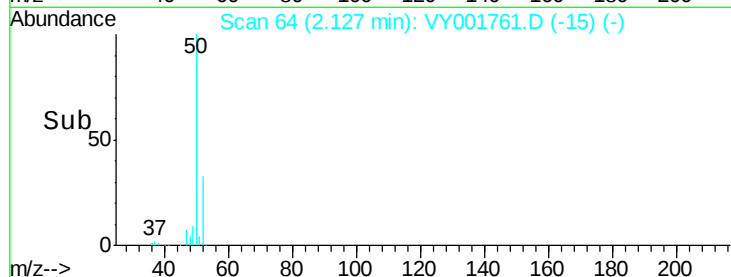
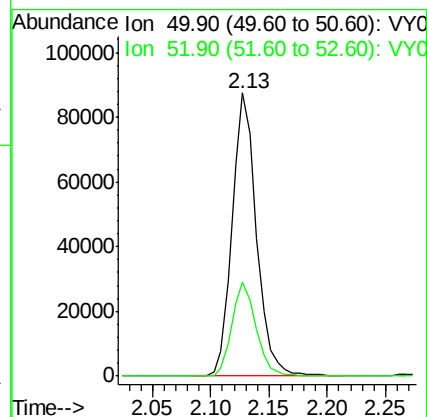
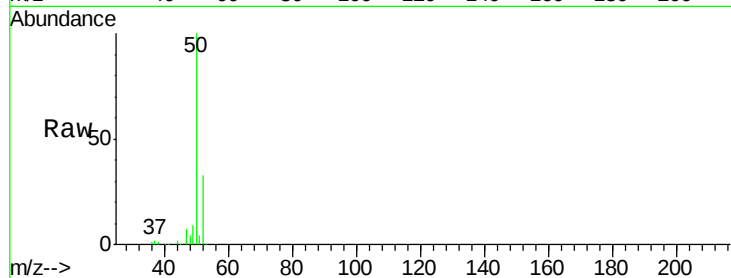
52 33.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.148 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001761.D

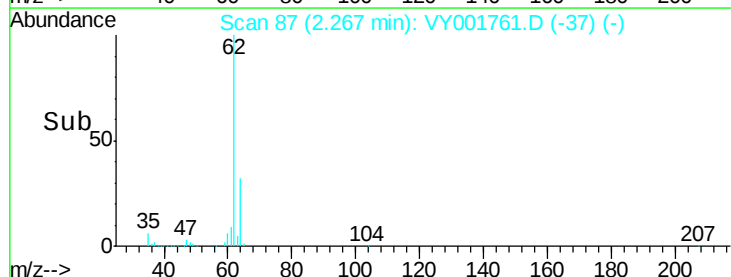
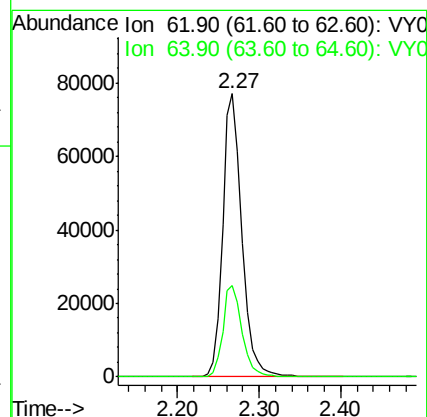
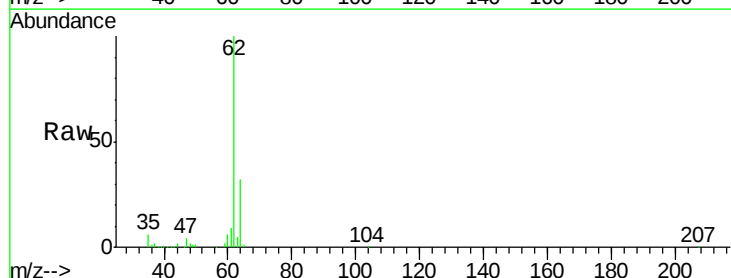
Acq: 24 Feb 2020 09:54

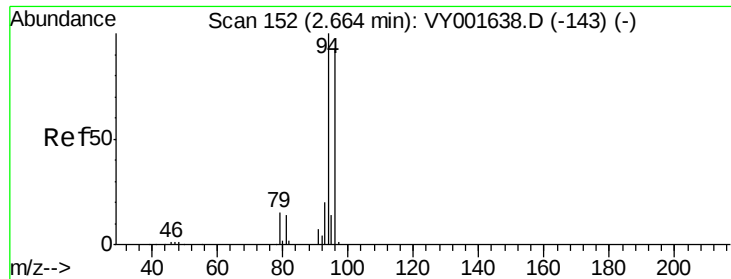
Tgt Ion: 62 Resp: 126282

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 49.684 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81442

Ion Ratio Lower Upper

94 100

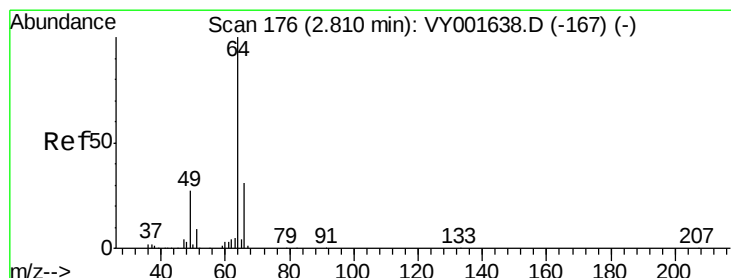
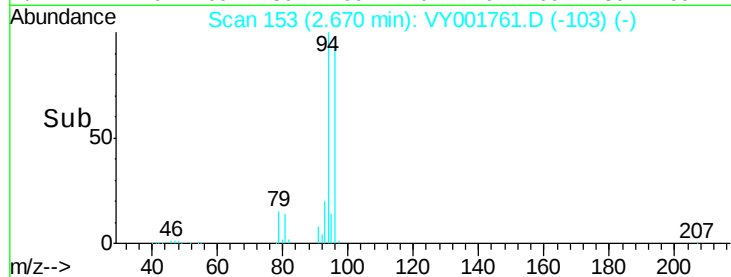
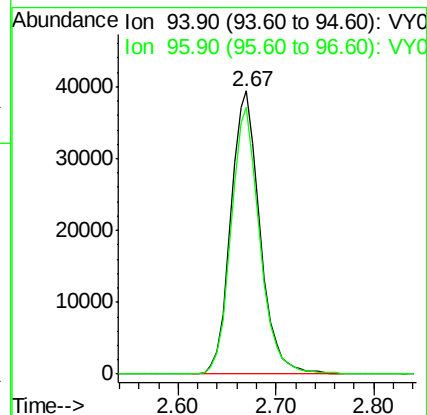
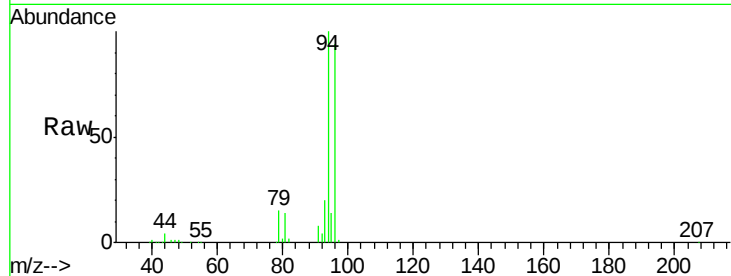
96 93.9 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 48.464 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.00 min

Lab File: VY001761.D

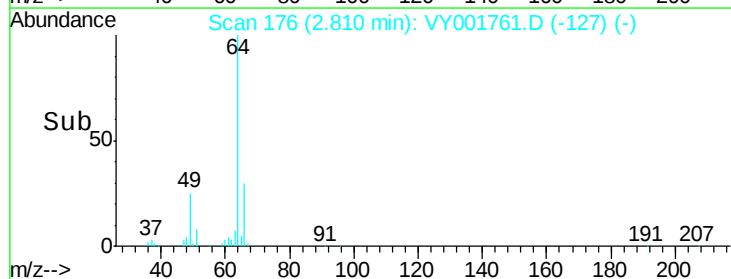
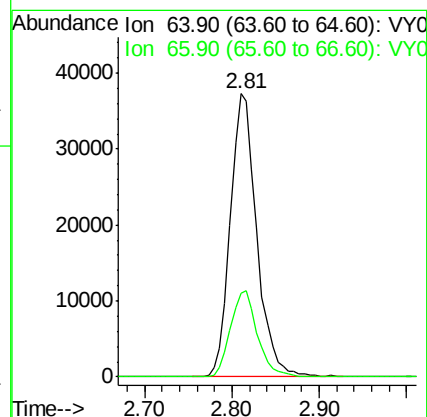
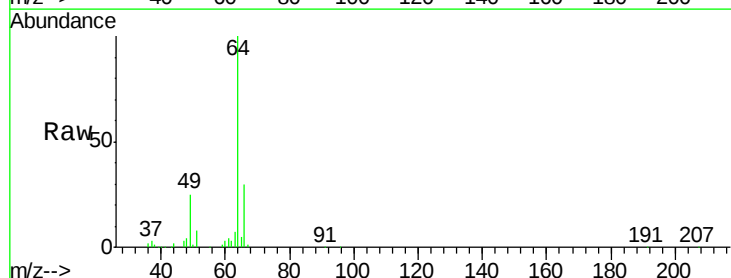
Acq: 24 Feb 2020 09:54

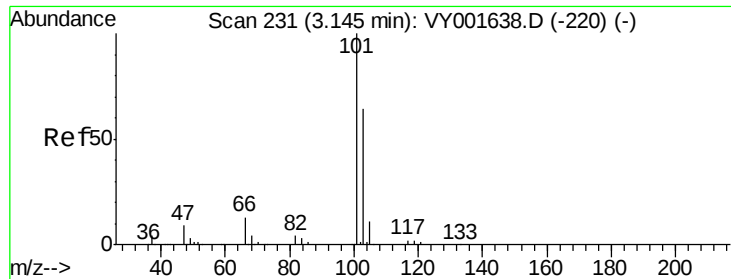
Tgt Ion: 64 Resp: 78328

Ion Ratio Lower Upper

64 100

66 29.8 25.5 38.3





#7

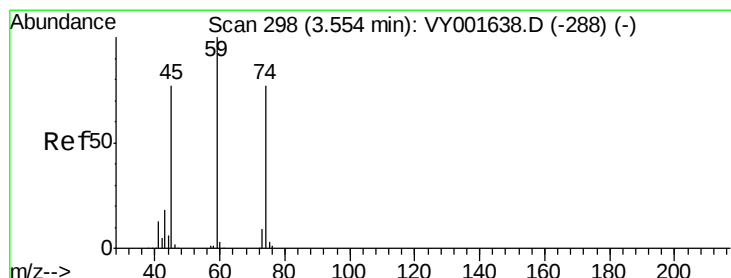
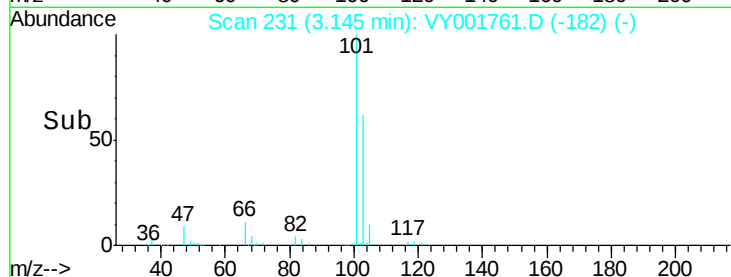
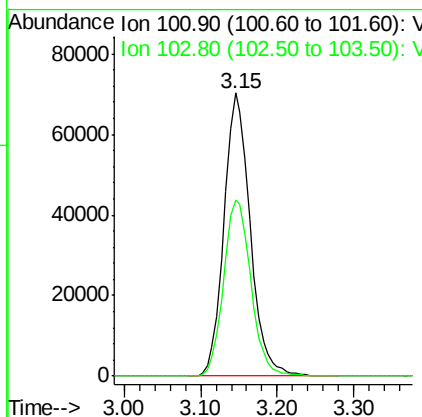
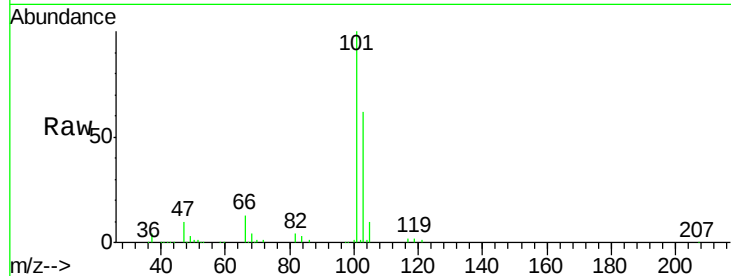
Trichlorofluoromethane
Concen: 49.748 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.2	78.2

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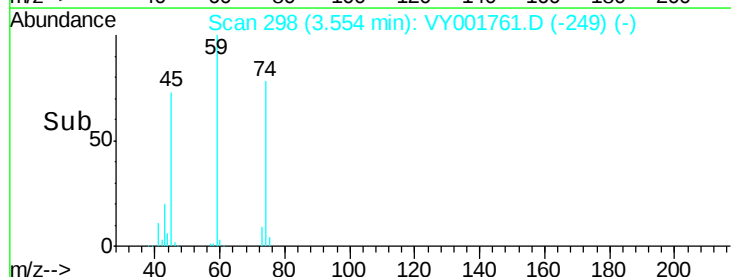
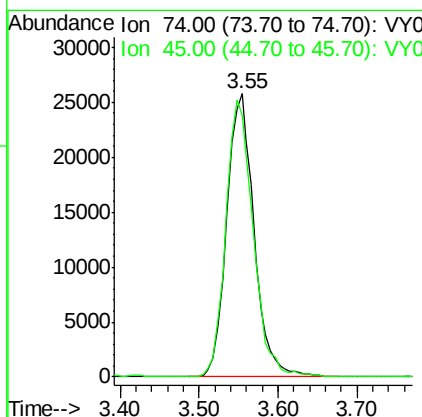
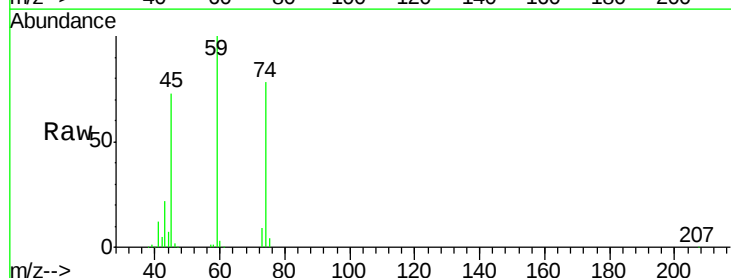
MMDadoda
2/25/2020 10:53:49 AM

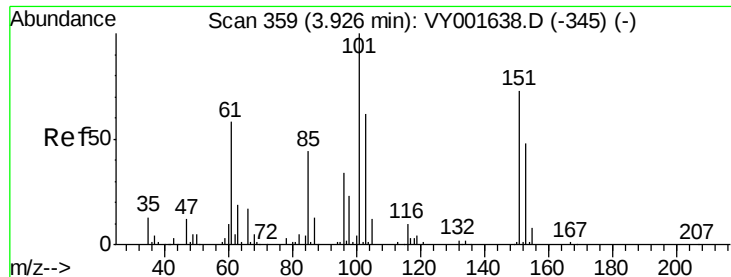


#8

Diethyl Ether
Concen: 46.999 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.513 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001761.D

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Instrument :

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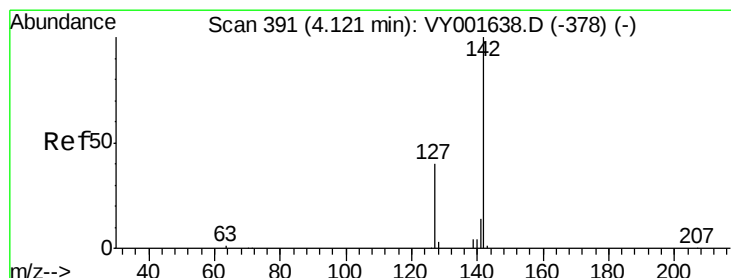
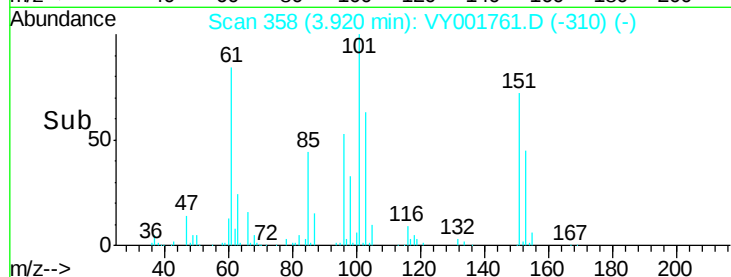
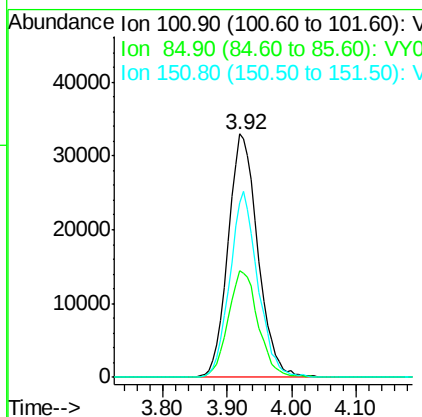
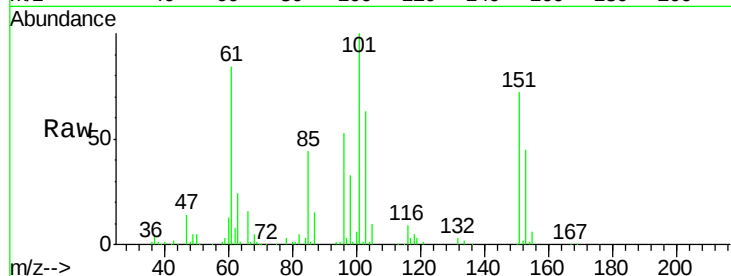
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106575
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	72.0	58.4	87.6

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#10

Methyl Iodide

Concen: 48.941 ug/l

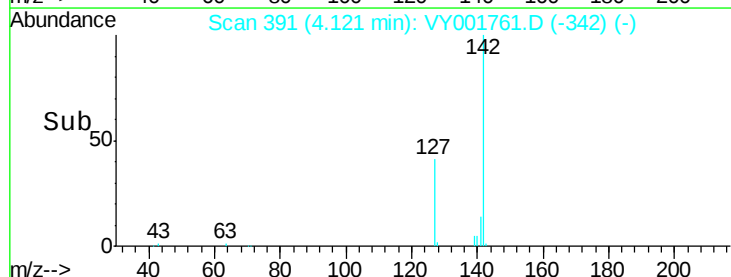
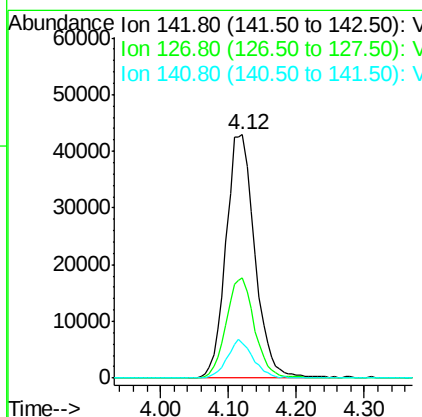
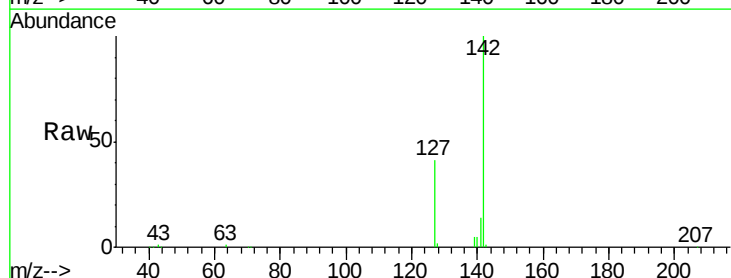
RT: 4.12 min Scan# 391

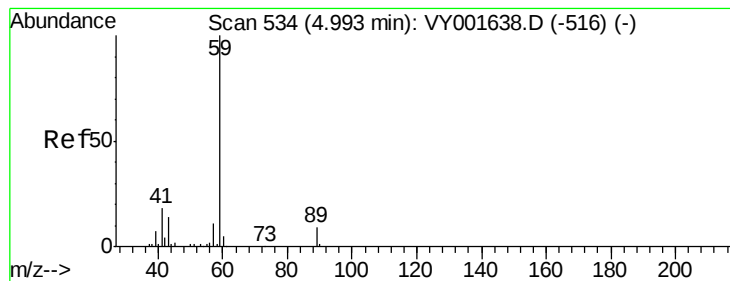
Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	142	Resp:	126375
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.1	48.1
141	14.2	11.3	16.9





#11

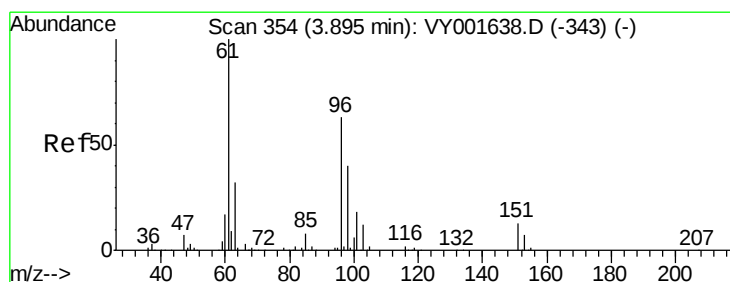
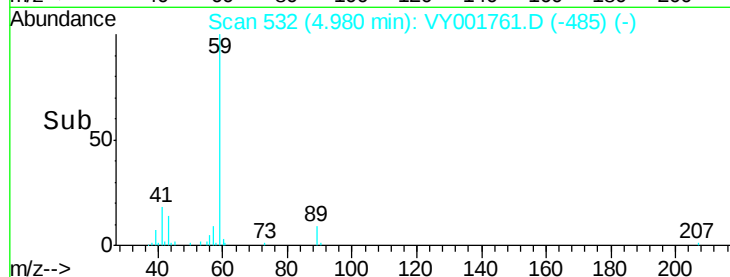
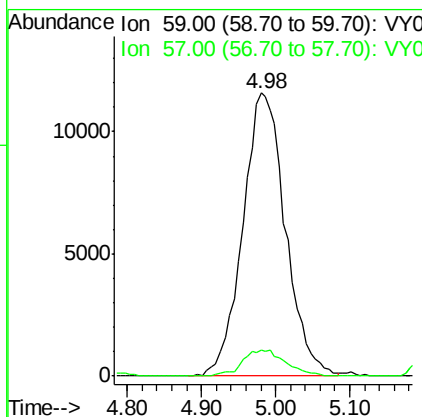
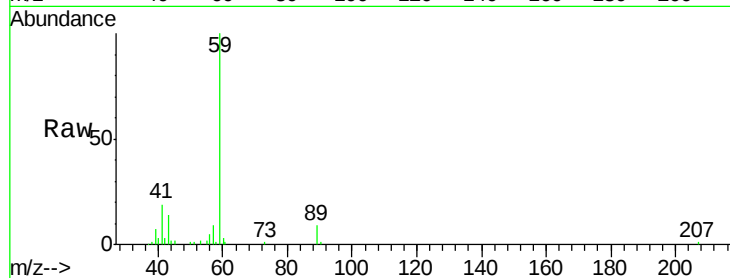
Tert butyl alcohol
 Concen: 180.720 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.4	11.2

Manual Integrations
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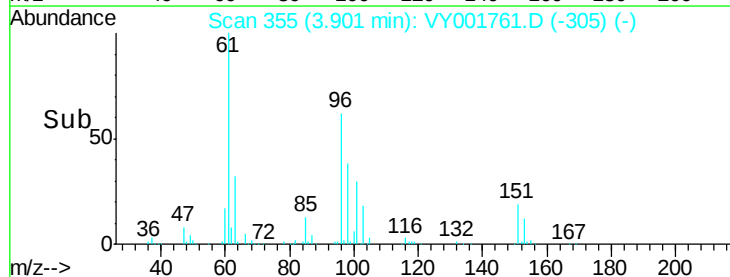
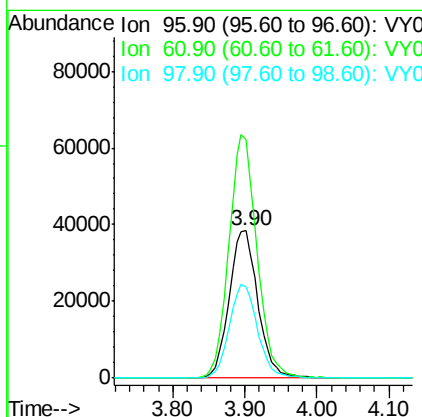
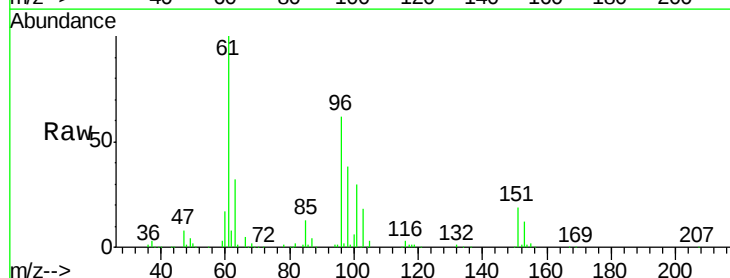
MMDadoda
 2/25/2020 10:53:49 AM

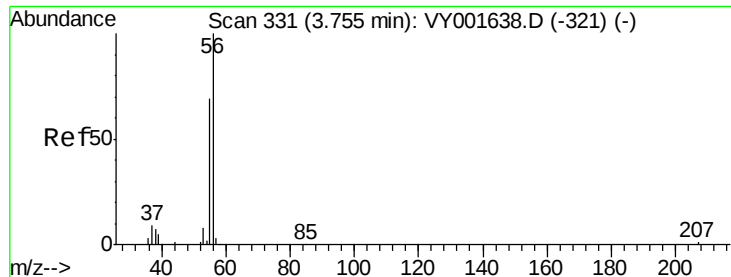


#12

1,1-Dichloroethene
 Concen: 49.572 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	128.7	193.1
98	61.8	50.7	76.1





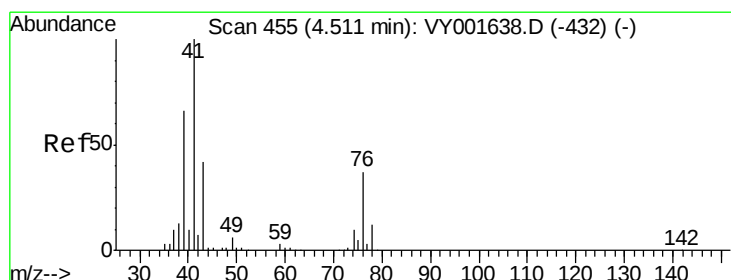
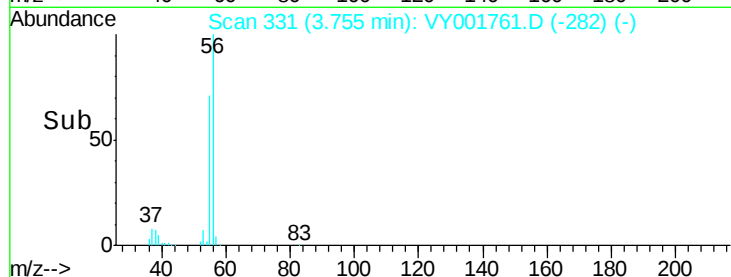
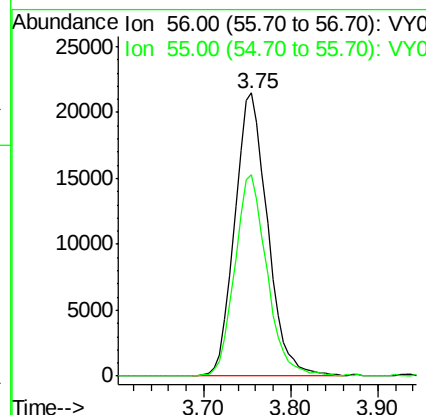
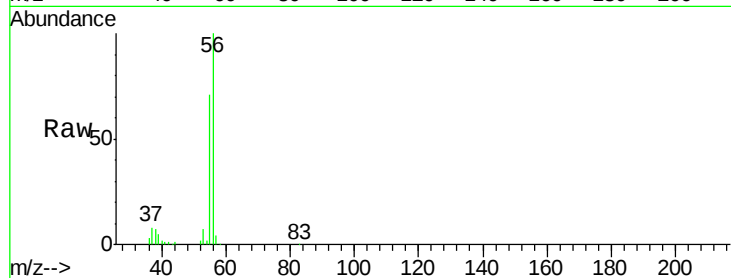
#13
Acrolein
Concen: 260.871 ug/l
RT: 3.75 min Scan# 331
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.1	84.1

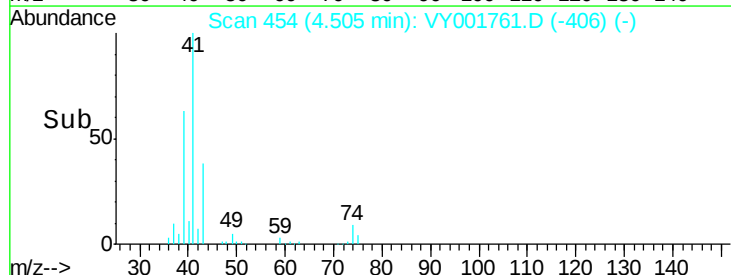
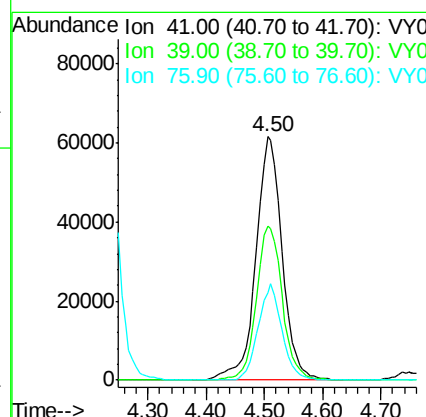
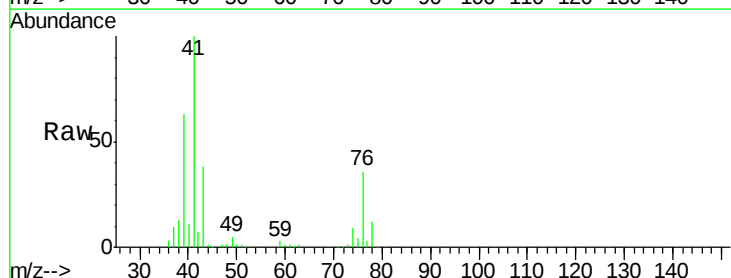
Manual Integrations
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2/25/2020 10:53:49 AM



#14
Allyl chloride
Concen: 50.361 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	49.4	74.0
76	35.6	29.0	43.6





#15

Acrylonitrile

Concen: 223.797 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

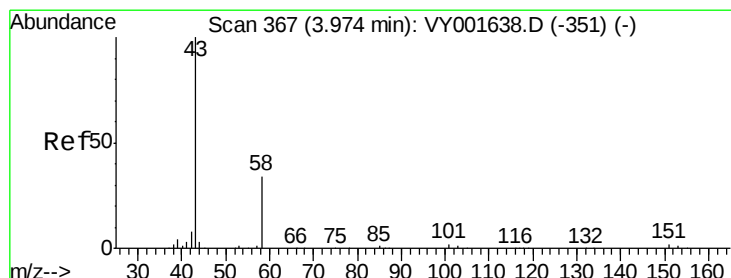
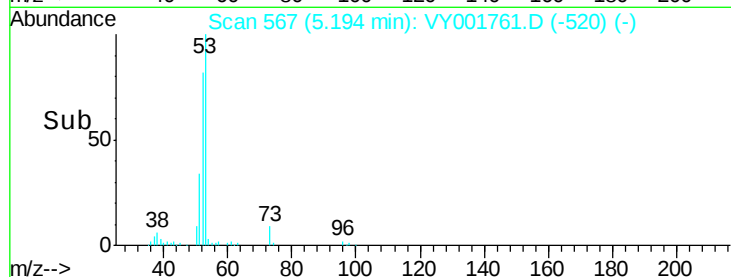
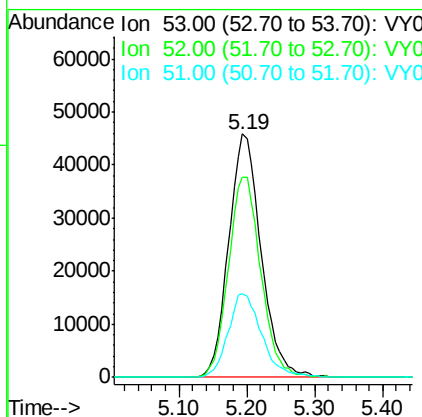
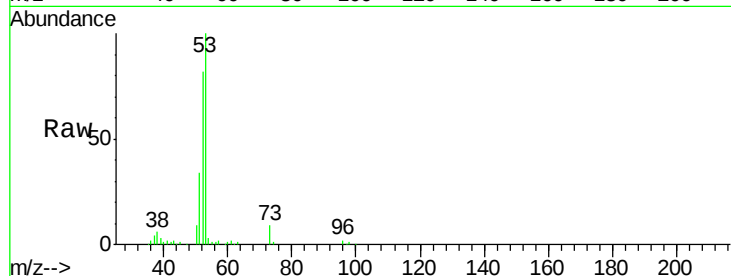
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	151800
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.4	98.0
51	35.7	28.0	42.0

Manual Integrations
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MMDadoda
2/25/2020 10:53:49 AM



#16

Acetone

Concen: 255.210 ug/l

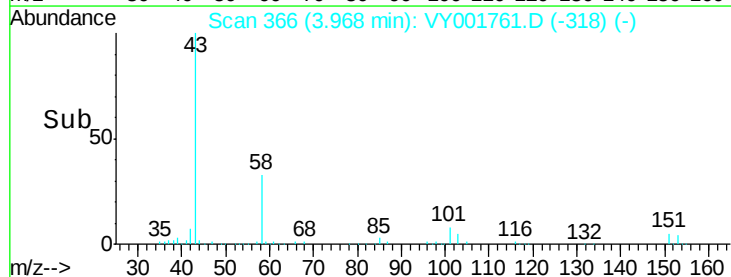
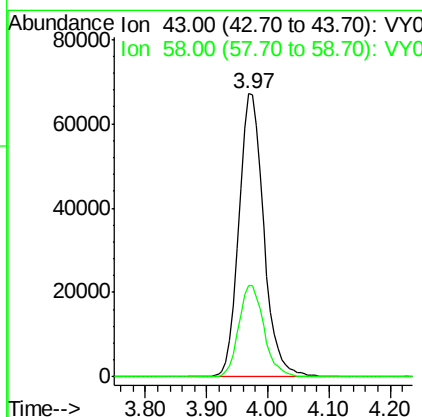
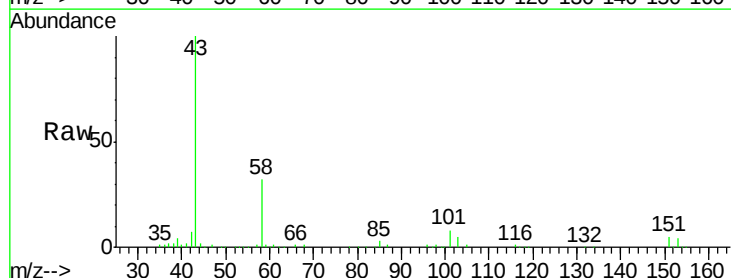
RT: 3.97 min Scan# 366

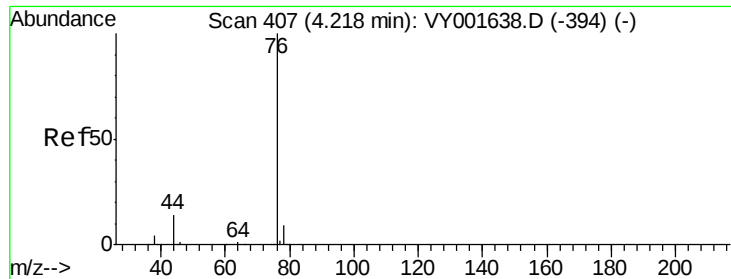
Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	43	Resp:	188385
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.3	40.9





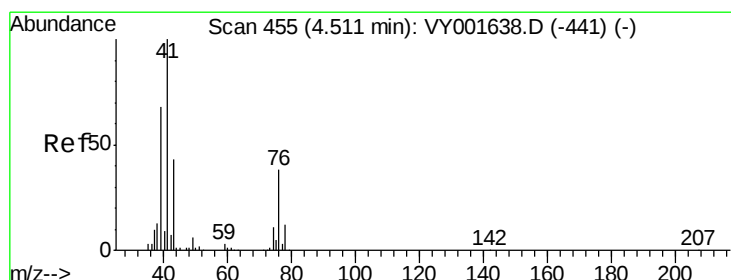
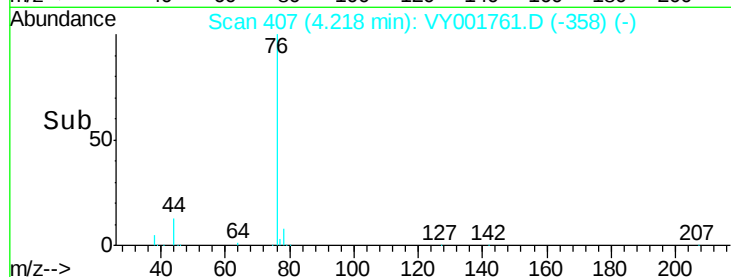
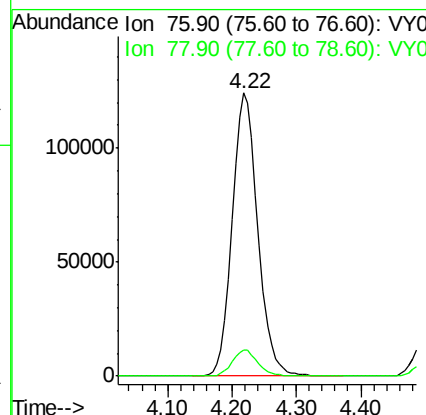
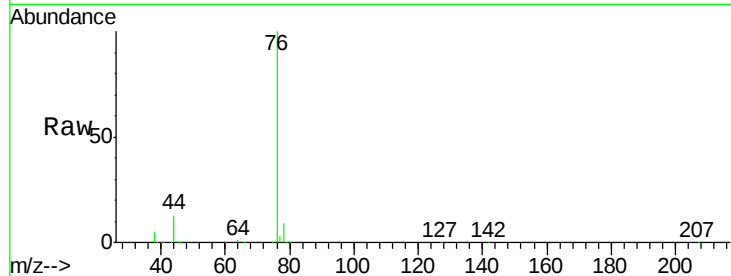
#17
Carbon Disulfide
Concen: 48.049 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

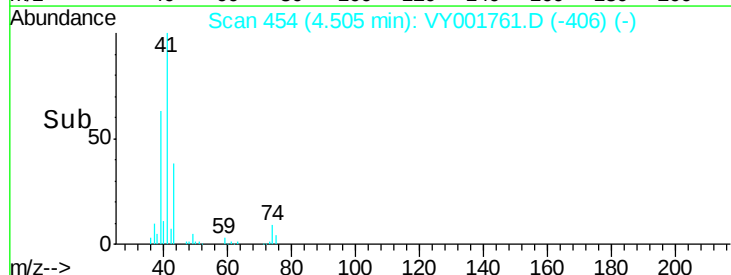
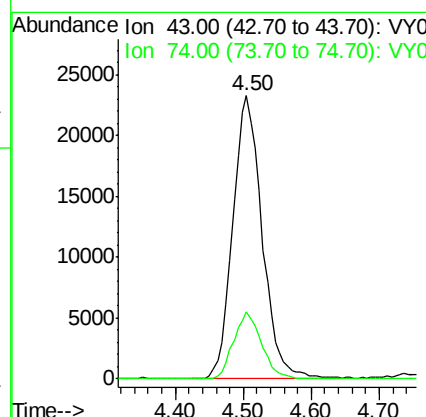
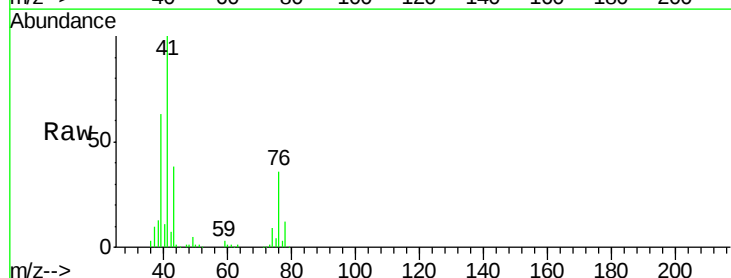
Manual Integrations
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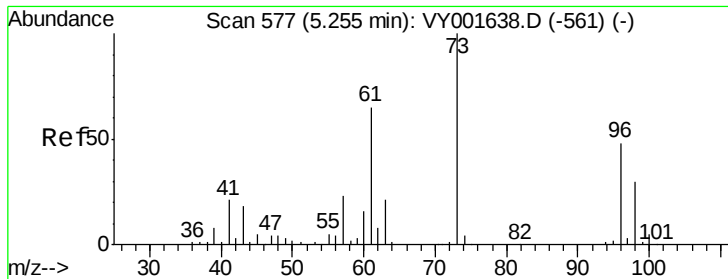
MMDadoda
2/25/2020 10:53:49 AM



#18
Methyl Acetate
Concen: 43.287 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.1	28.7





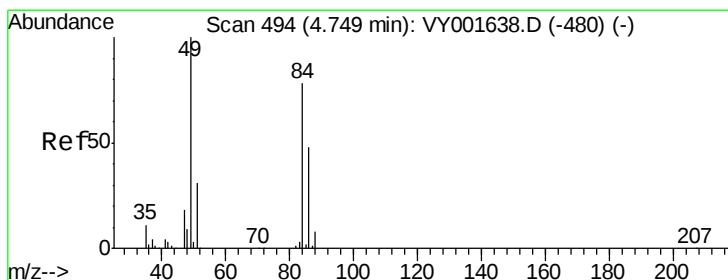
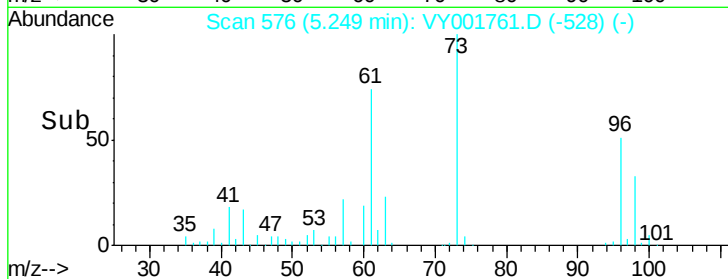
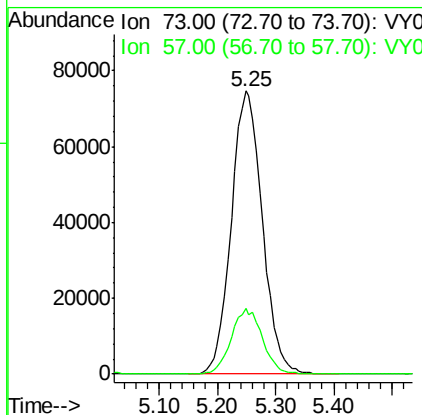
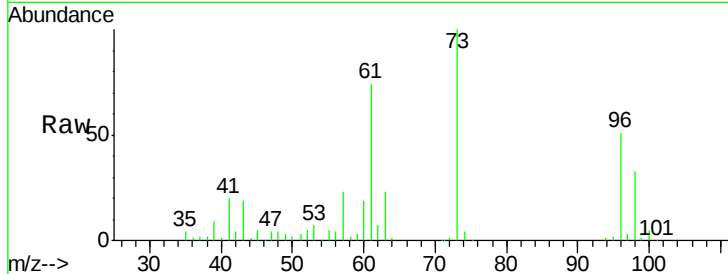
#19
Methvl tert-butvl Ether
Concen: 46.054 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.0	28.6

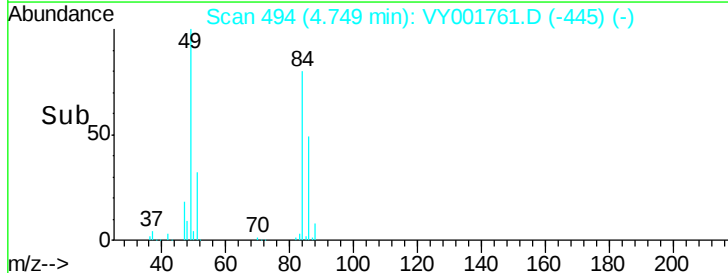
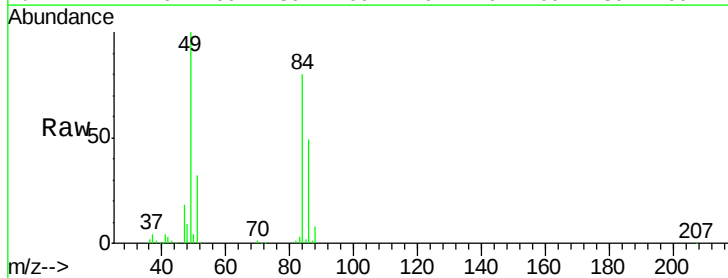
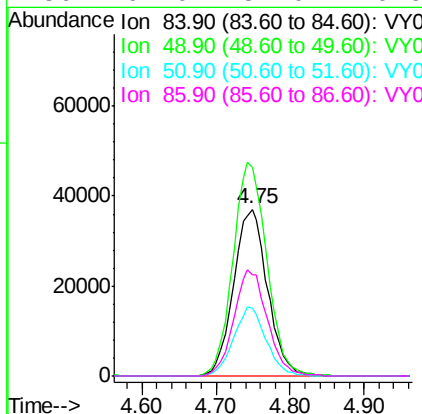
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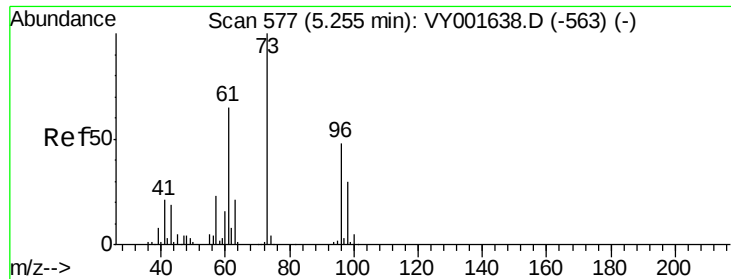
MMDadoda
2/25/2020 10:53:49 AM



#20
Methylene Chloride
Concen: 45.077 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	99.2	148.8
51	40.4	31.5	47.3
86	61.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.051 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

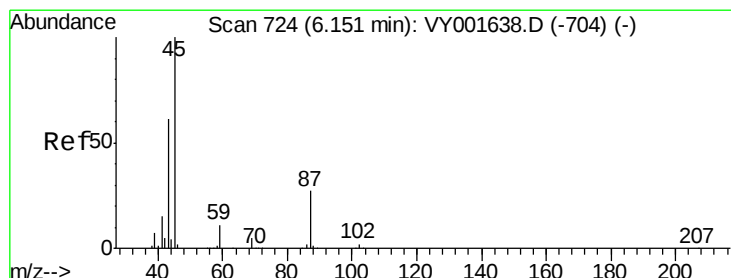
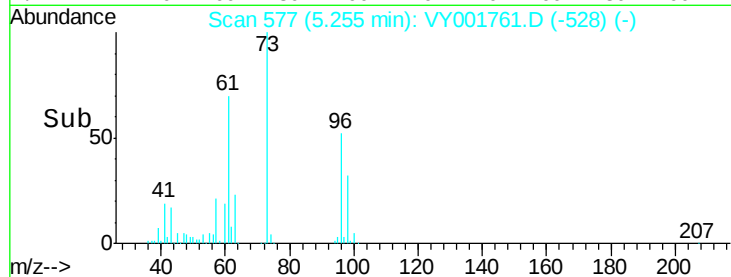
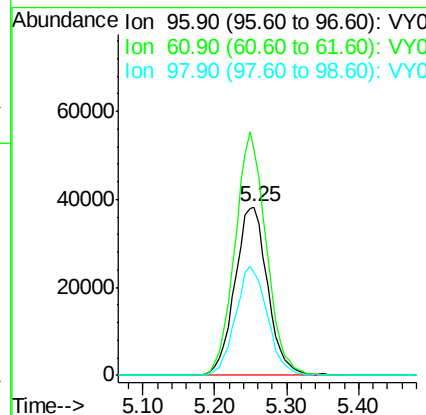
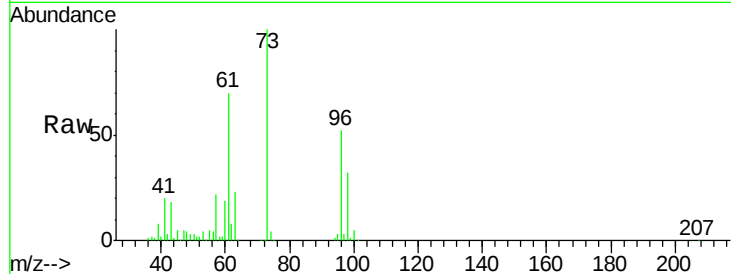
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120429
Ion	Ratio	Lower	Upper
96	100		
61	133.6	107.9	161.9
98	60.7	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.738 ug/l

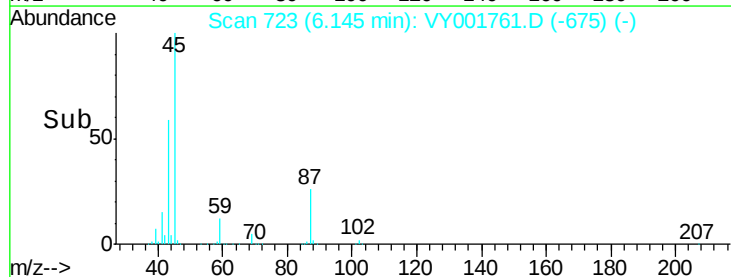
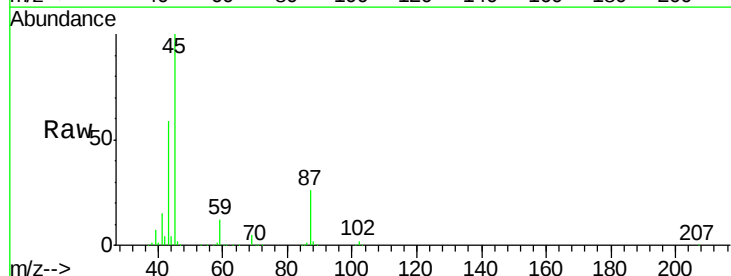
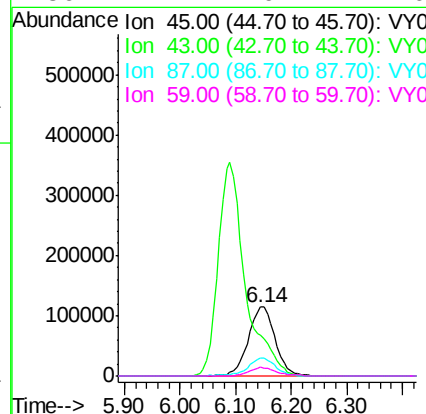
RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	45	Resp:	383326
Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.4	69.6
87	25.8	22.1	33.1
59	12.4	9.4	14.0





#23

Vinyl Acetate

Concen: 234.149 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1201241

Ion Ratio Lower Upper

43 100

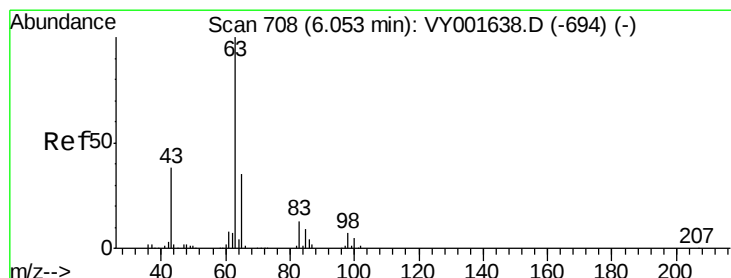
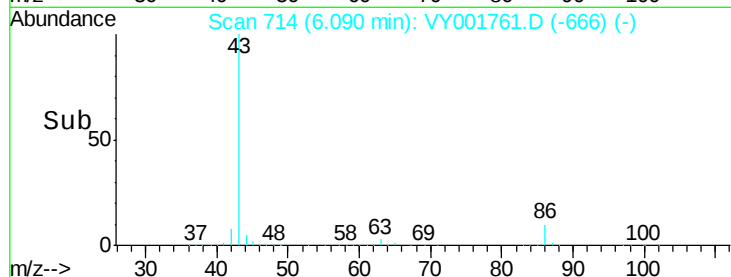
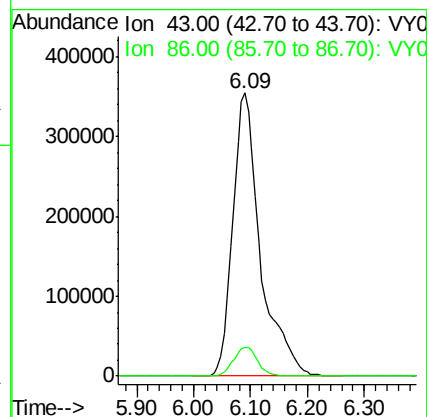
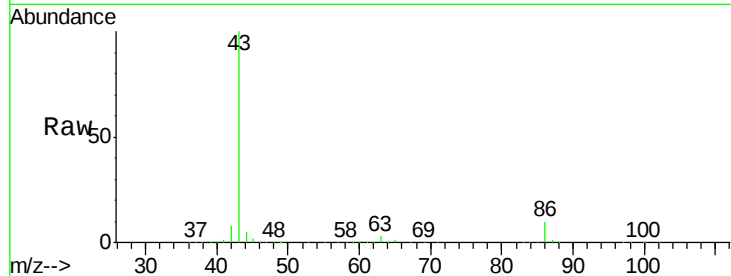
86 10.0 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.135 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

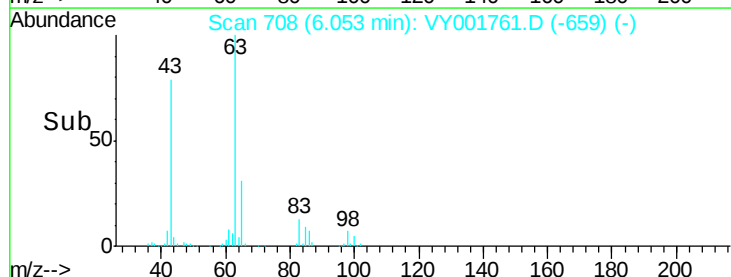
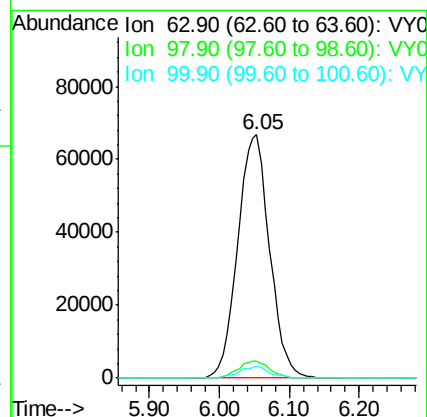
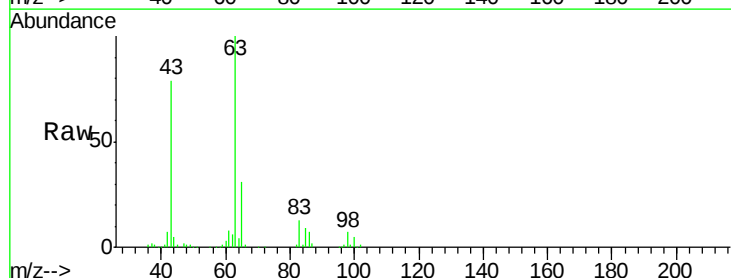
Tgt Ion: 63 Resp: 210749

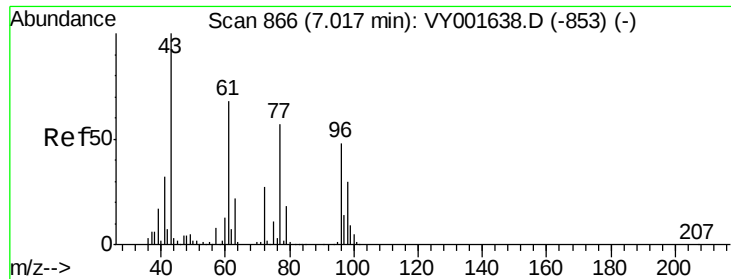
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 233.418 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 234061

Ion Ratio Lower Upper

43 100

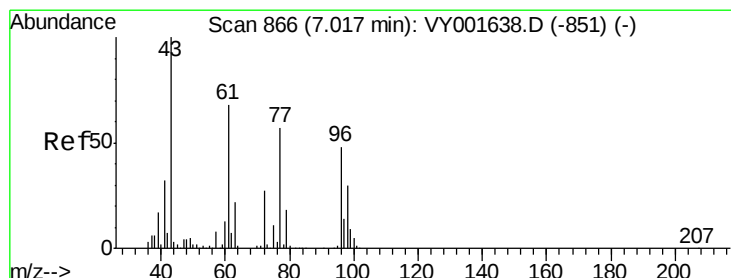
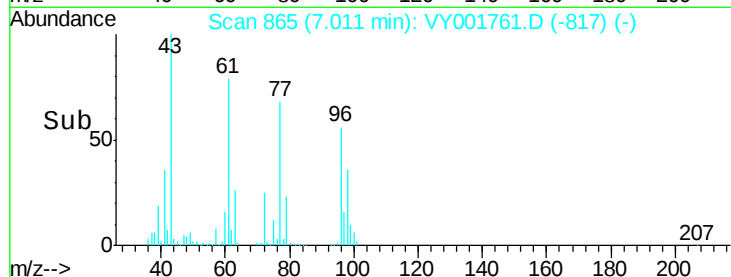
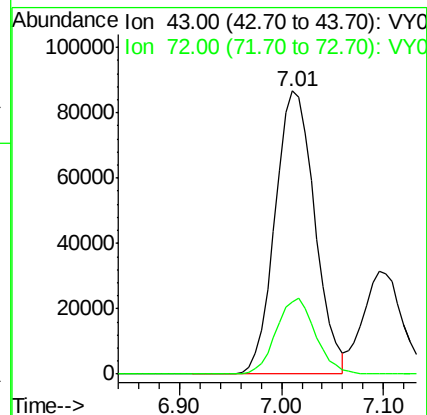
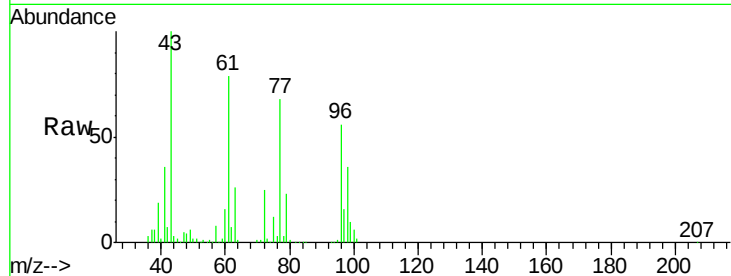
72 25.4 21.2 31.8

Manual Integrations

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MMDadoda

2/25/2020 10:53:49 AM



#26

2,2-Dichloropropane

Concen: 48.956 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001761.D

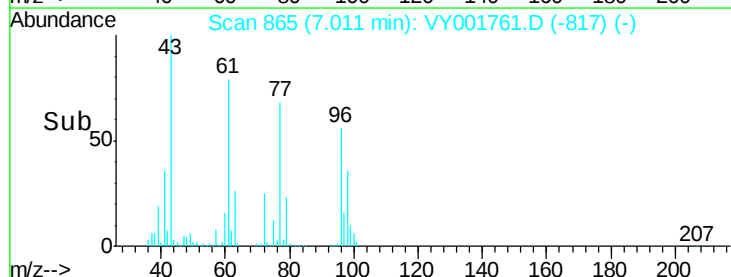
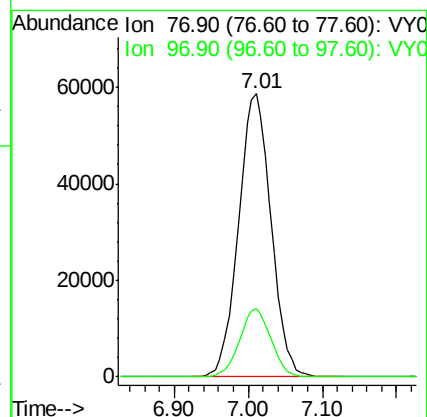
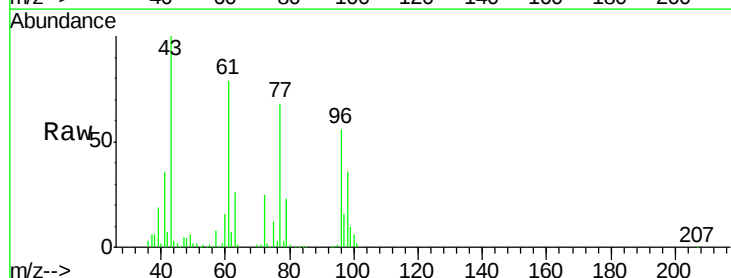
Acq: 24 Feb 2020 09:54

Tgt Ion: 77 Resp: 179046

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4





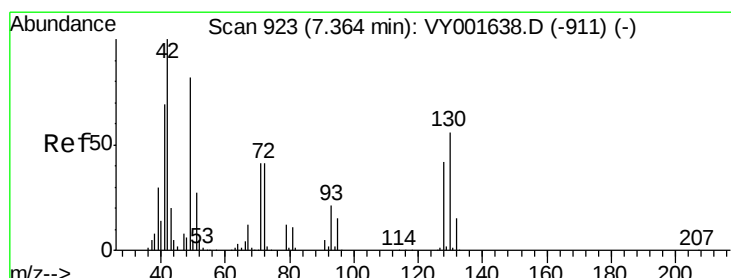
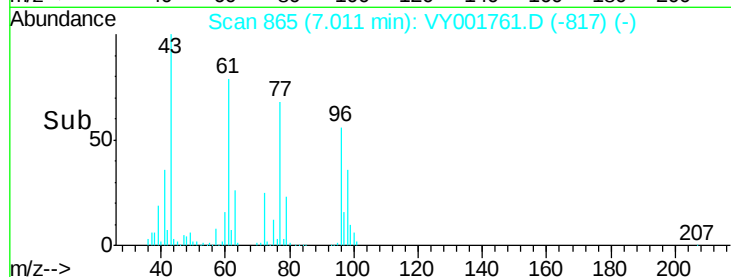
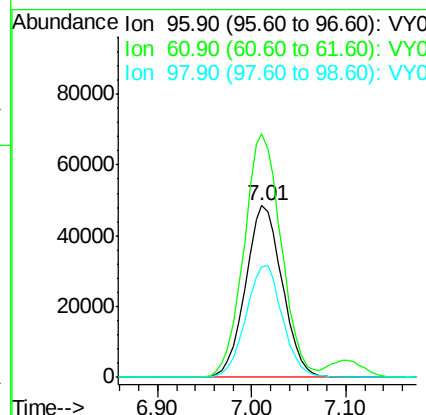
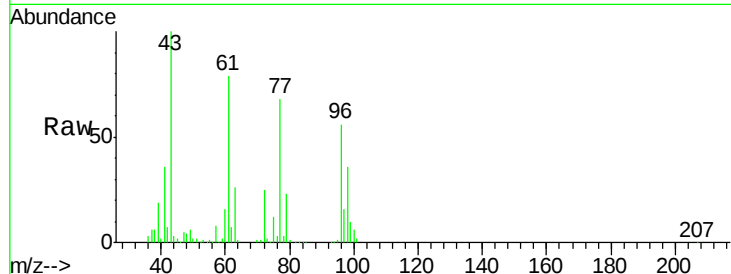
#27
 cis-1,2-Dichloroethene
 Concen: 48.764 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132154		
61	144.2	0.0	290.8	
98	64.9	0.0	128.6	

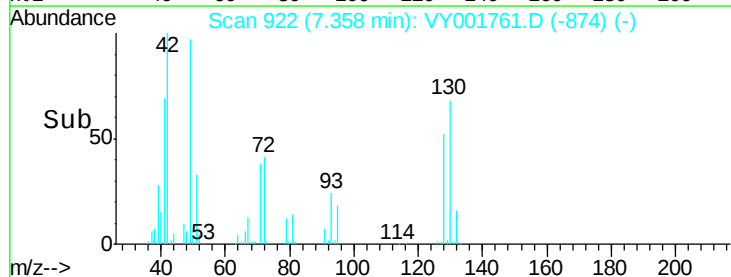
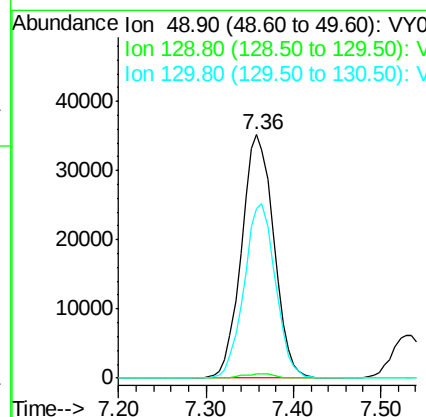
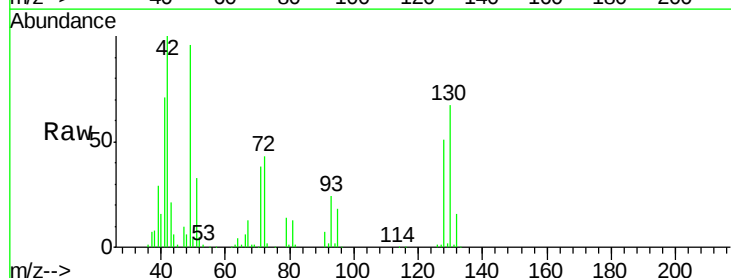
Manual Integrations
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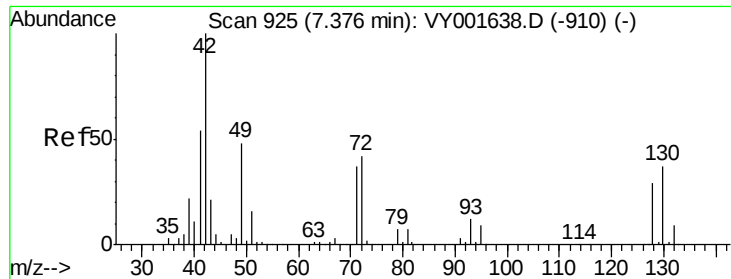
MMDadoda
 2/25/2020 10:53:49 AM



#28
 Bromochloromethane
 Concen: 51.663 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90466		
129	1.9	0.0	3.6	
130	69.5	56.2	84.4	





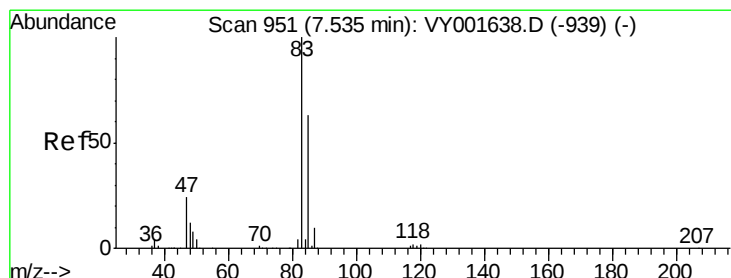
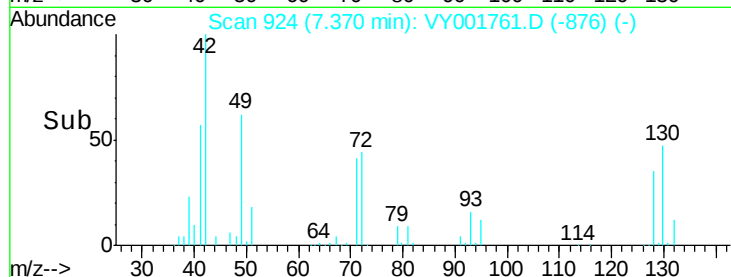
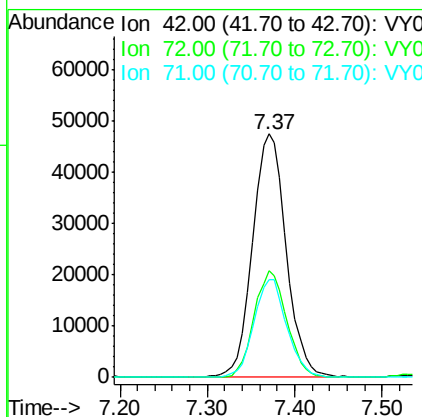
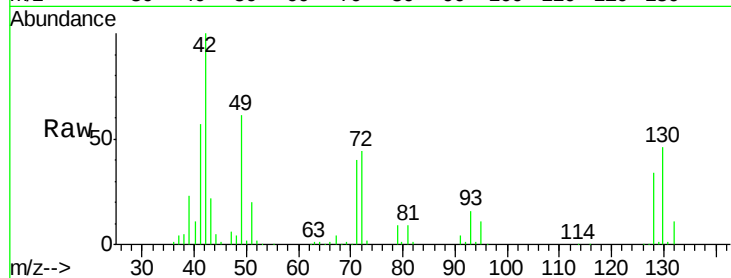
#29
Tetrahydrofuran
Concen: 209.654 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.4	51.6
71	39.5	31.8	47.8

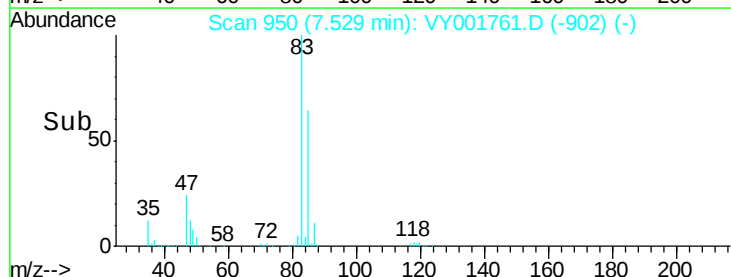
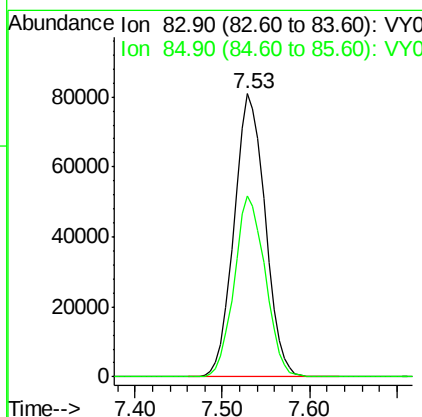
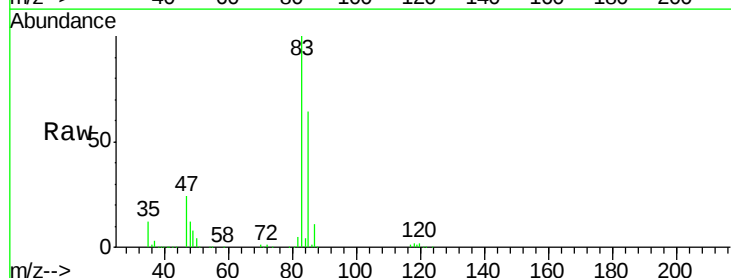
Manual Integrations
APPROVED

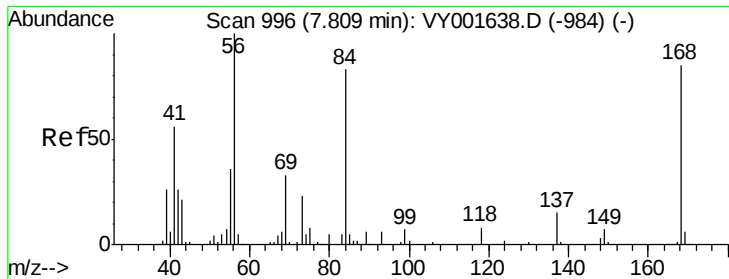
MMDadoda
2/25/2020 10:53:49 AM



#30
Chloroform
Concen: 48.592 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4





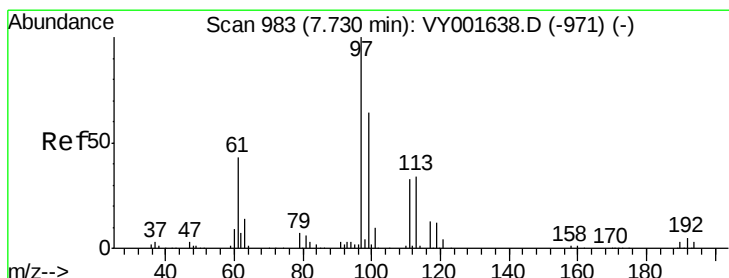
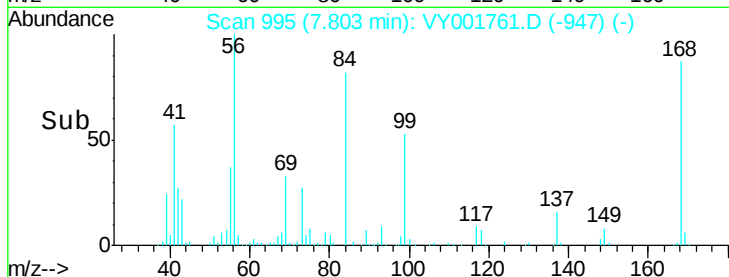
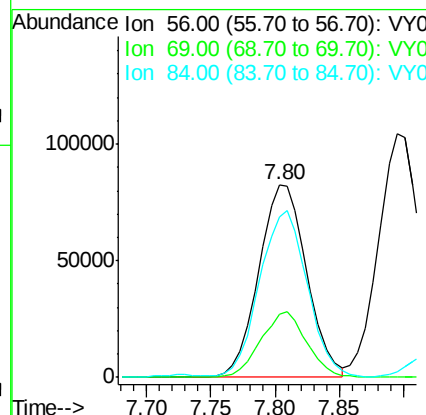
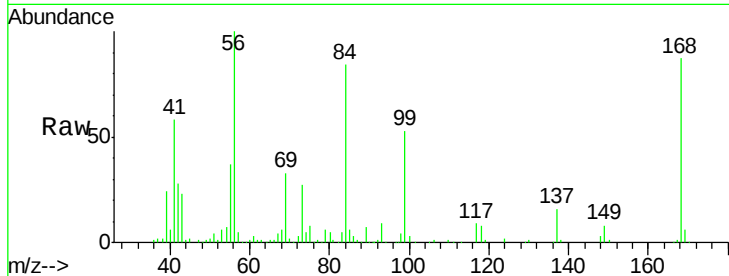
#31
Cyclohexane
Concen: 47.378 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.1	37.7
84	82.4	66.9	100.3

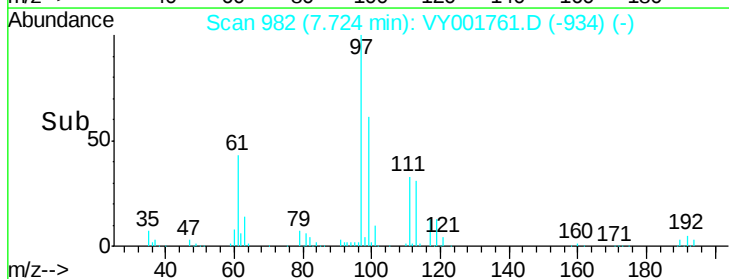
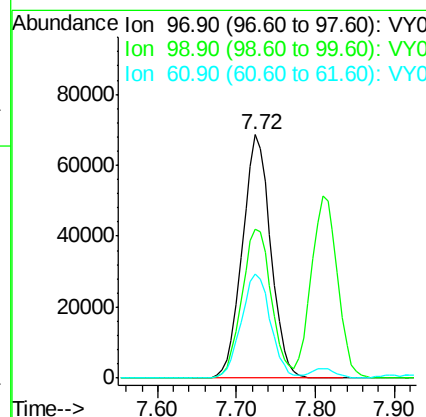
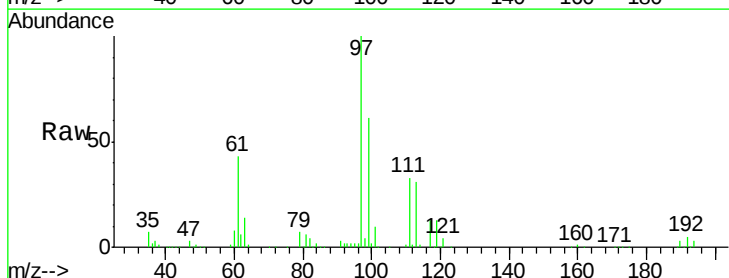
Manual Integrations
APPROVED

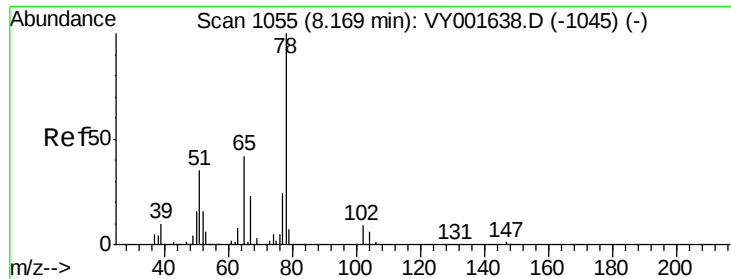
MMDadoda
2/25/2020 10:53:49 AM



#32
1,1,1-Trichloroethane
Concen: 49.681 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	44.2	35.0	52.6





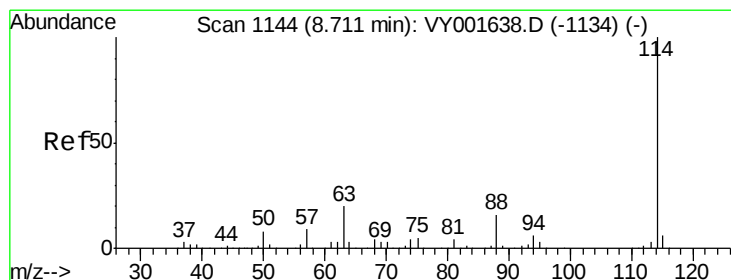
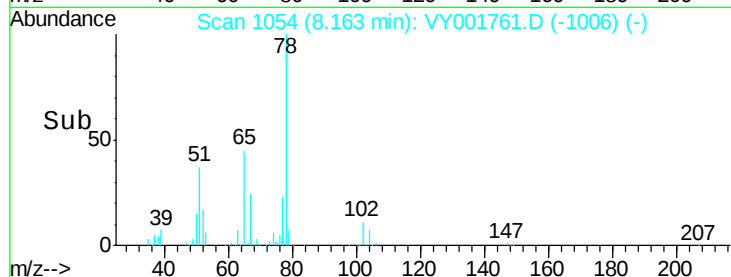
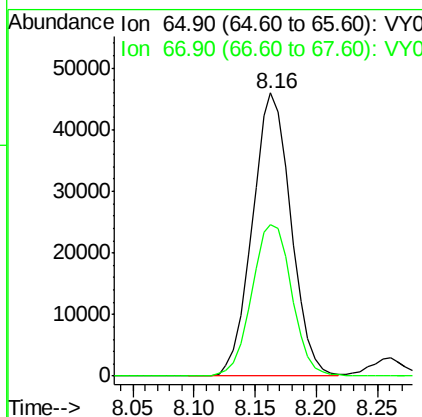
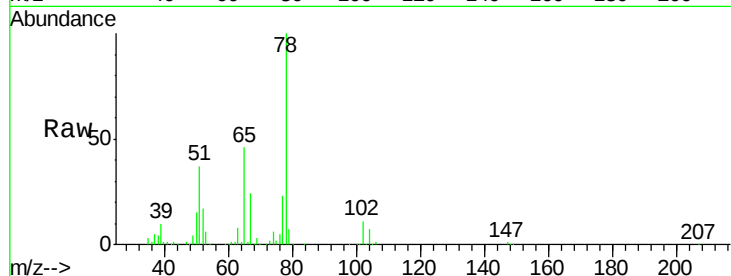
#33
 1,2-Dichloroethane-d4
 Concen: 47.340 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100992		
67	55.3	0.0	111.0	

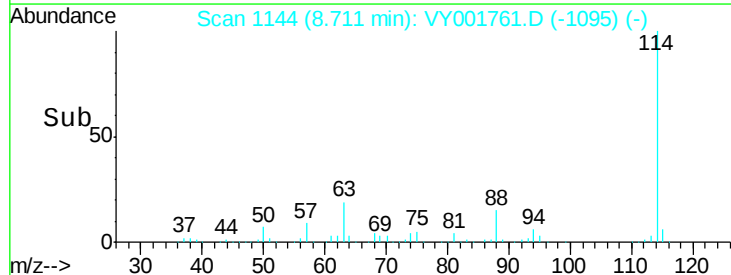
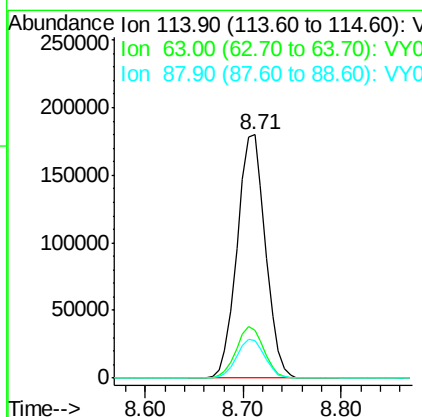
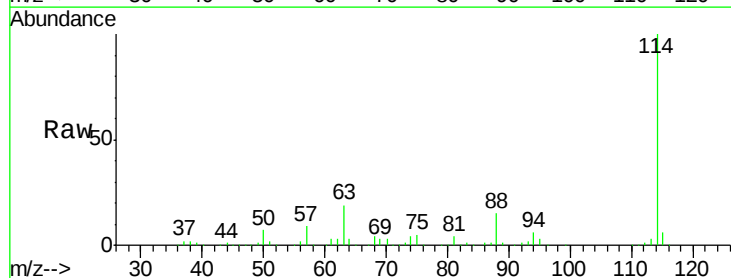
Manual Integrations
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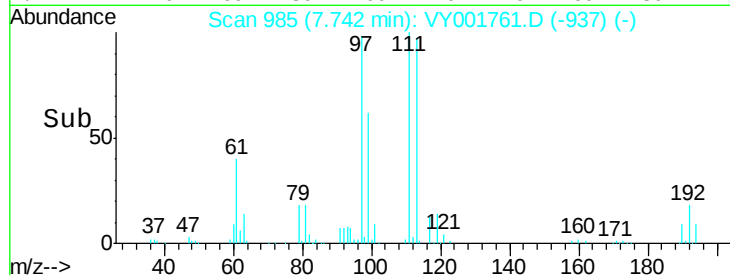
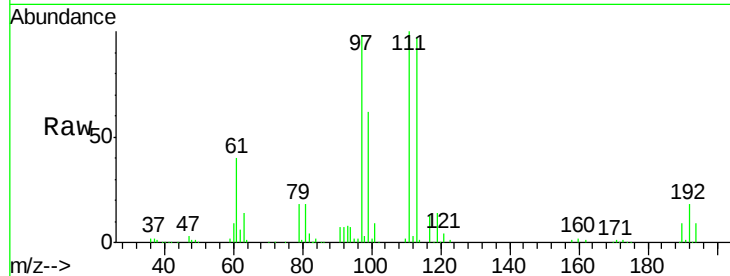
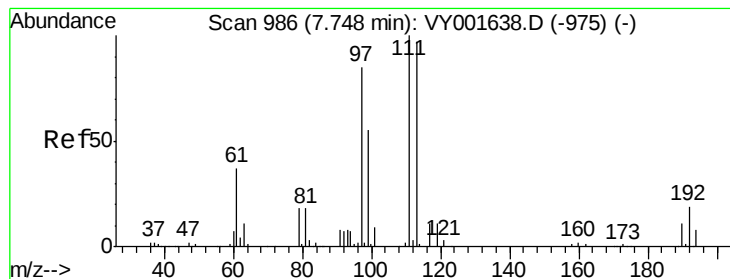
MMDadoda
 2/25/2020 10:53:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	360579		
63	19.4	0.0	41.4	
88	15.3	0.0	32.8	





#35

Dibromofluoromethane

Concen: 46.890 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tot Ion:	113	Resp:	96838
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	18.2	14.3	21.5

Instrument :

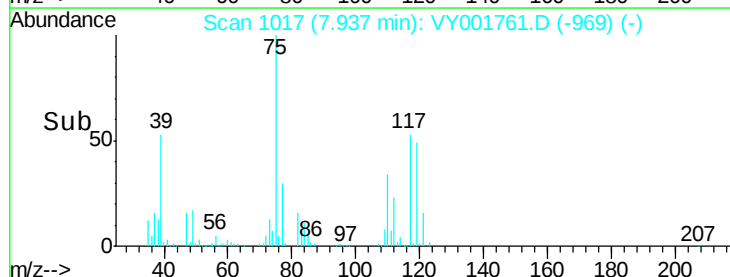
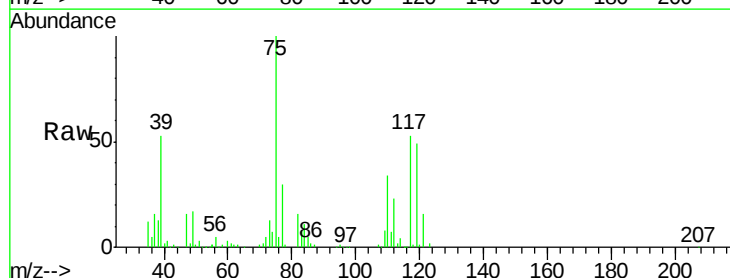
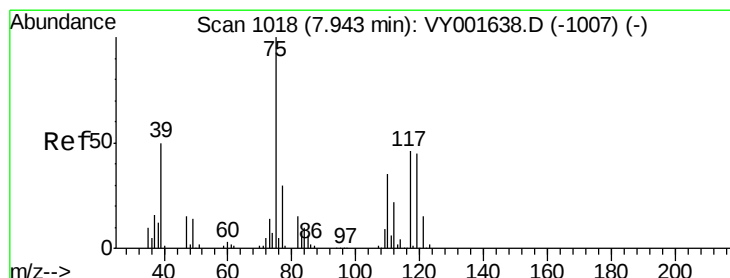
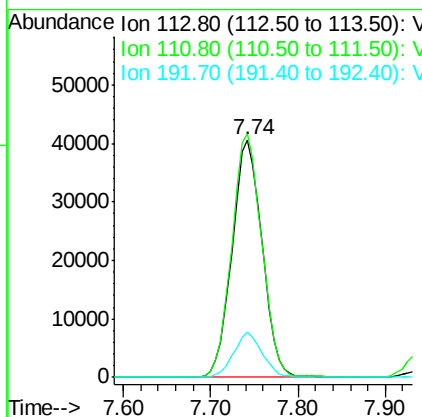
MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.155 ug/l

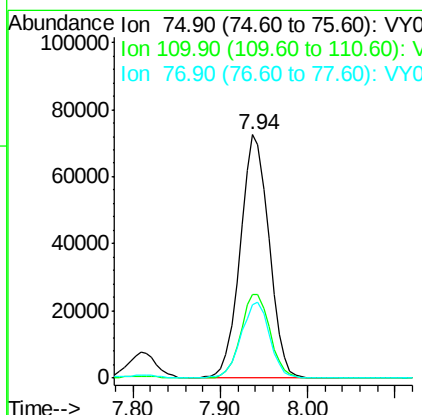
RT: 7.94 min Scan# 1017

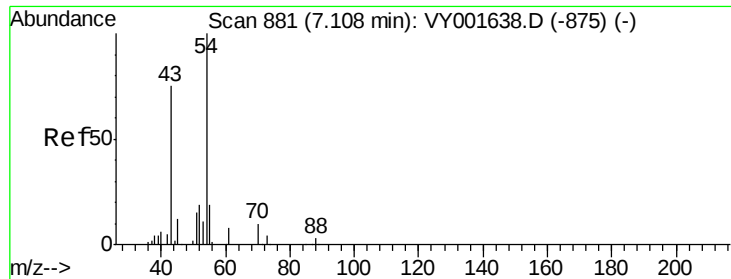
Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	75	Resp:	165857
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.6
77	31.1	24.8	37.2





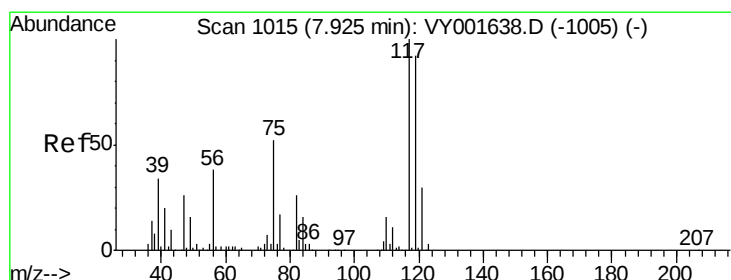
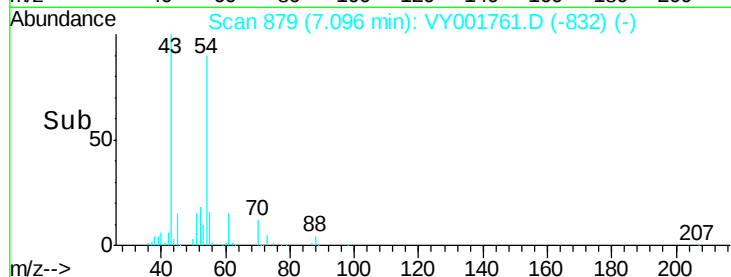
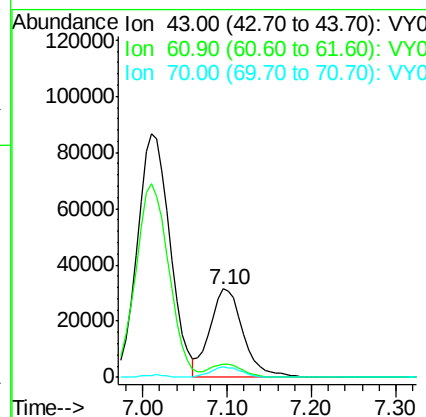
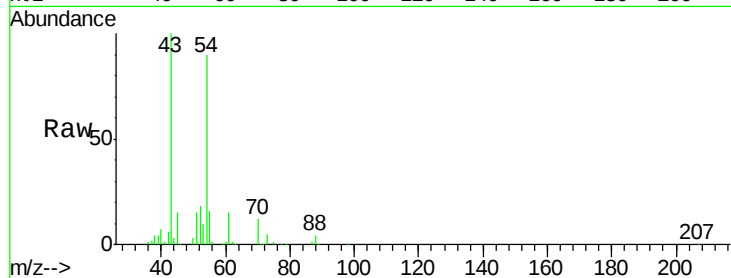
#37
Ethyl Acetate
Concen: 41.938 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	11.2	8.8	13.2

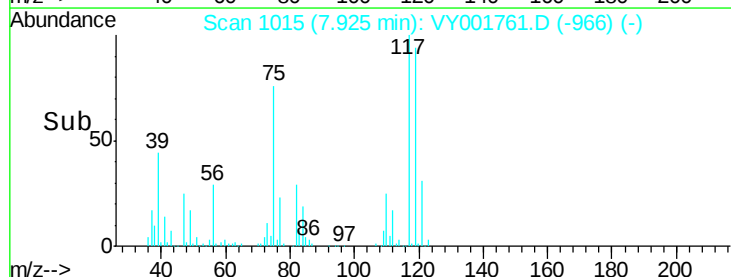
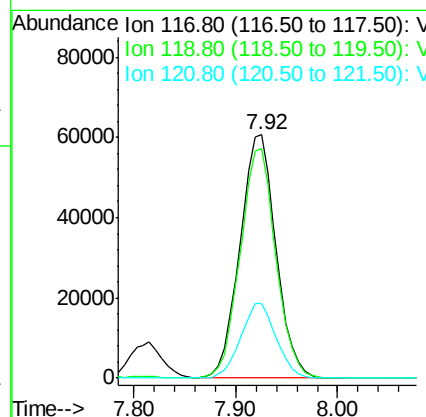
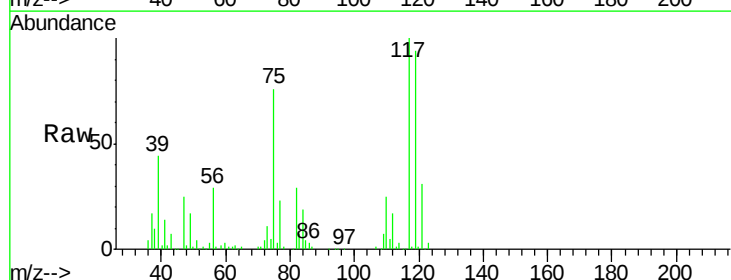
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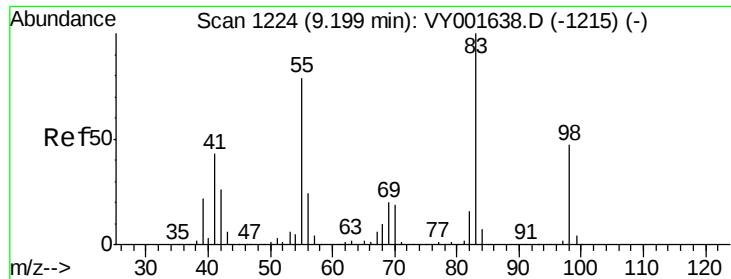
MMDadoda
2/25/2020 10:53:49 AM



#38
Carbon Tetrachloride
Concen: 49.042 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.8	112.2
121	30.6	23.8	35.6





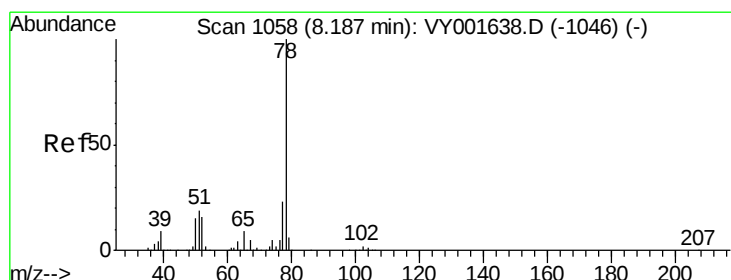
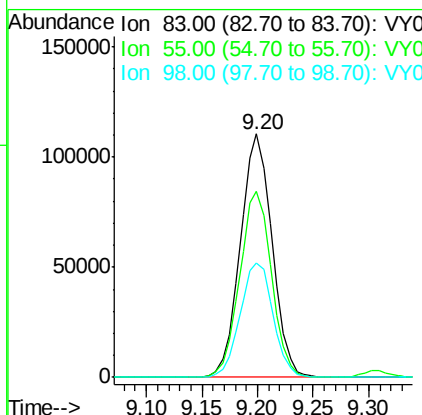
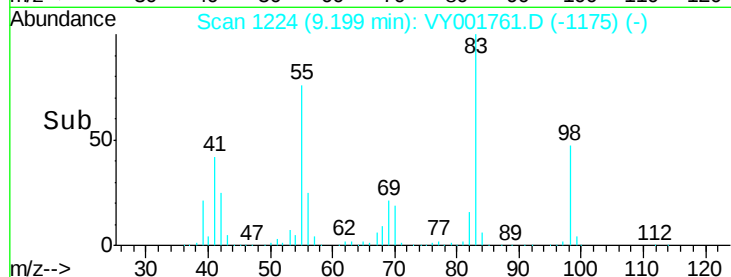
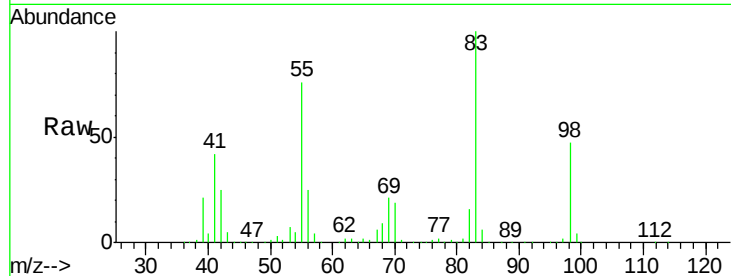
#39
Methvlcvclohexane
Concen: 47.801 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	218418		
55	76.3	61.3	91.9	
98	46.9	38.0	57.0	

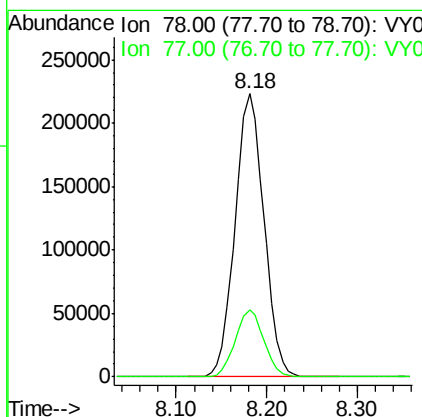
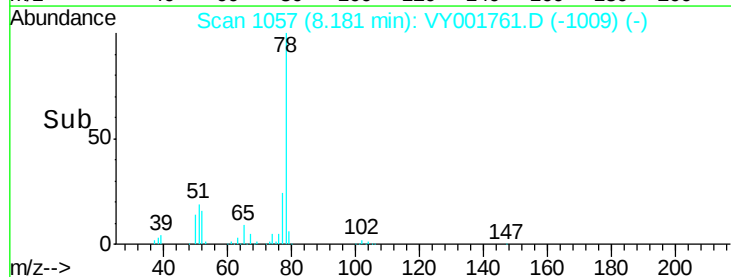
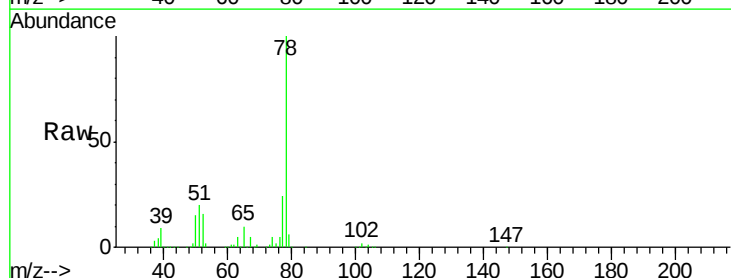
Manual Integrations
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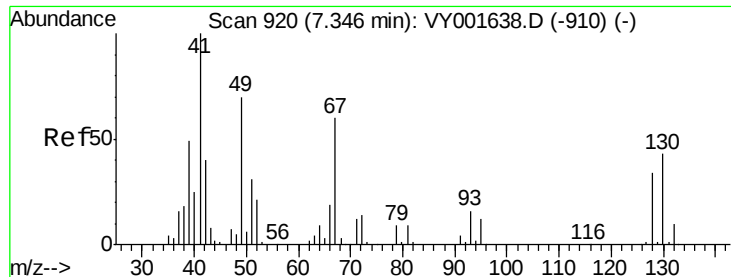
MMDadoda
2/25/2020 10:53:49 AM



#40
Benzene
Concen: 48.620 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	492502		
77	23.7	18.2	27.4	





#41

Methacrylonitrile

Concen: 45.967 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 47446

Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

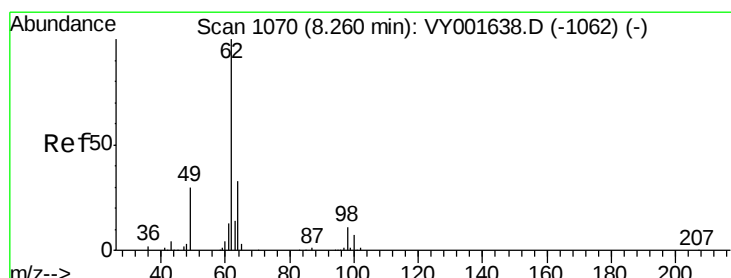
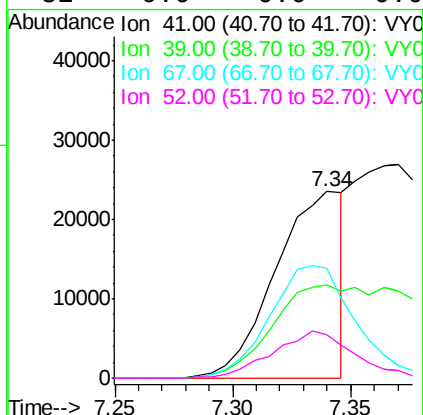
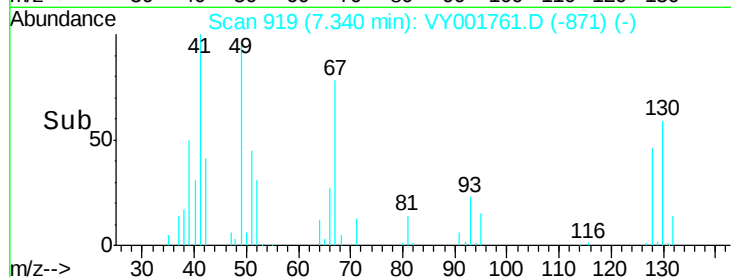
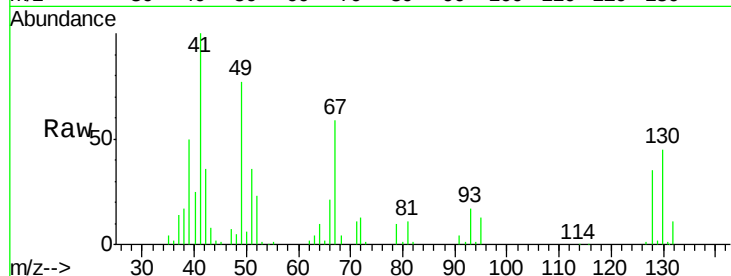
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

2/25/2020 10:53:49 AM



#42

1,2-Dichloroethane

Concen: 45.695 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VY001761.D

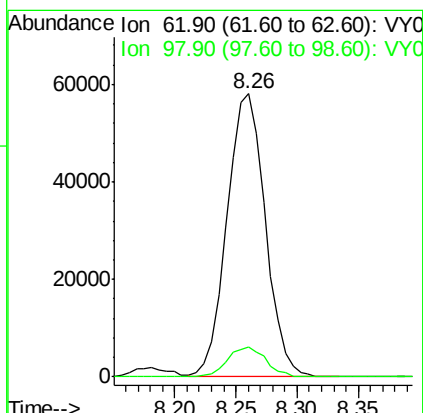
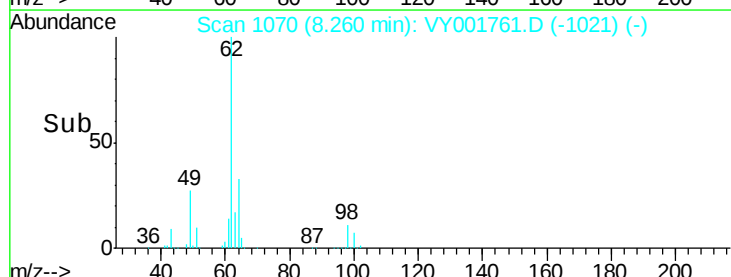
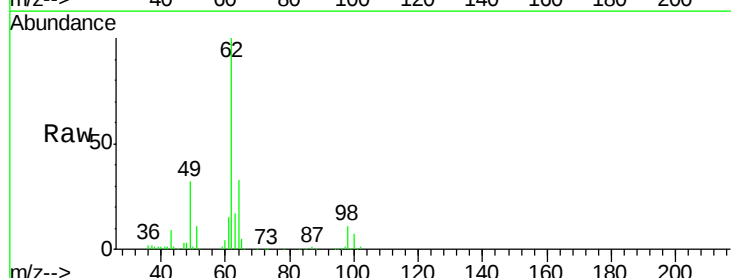
Acq: 24 Feb 2020 09:54

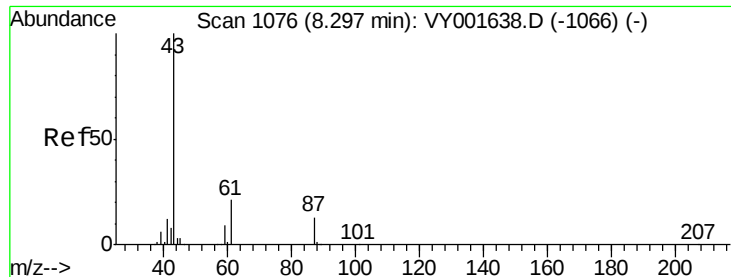
Tgt Ion: 62 Resp: 126102

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





#43

Isopropyl Acetate

Concen: 43.744 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

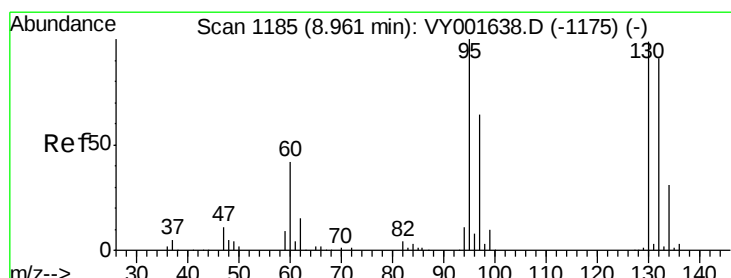
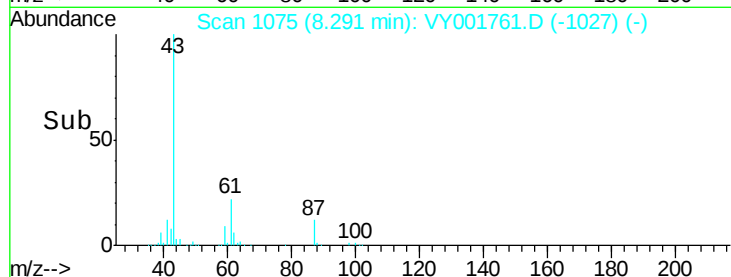
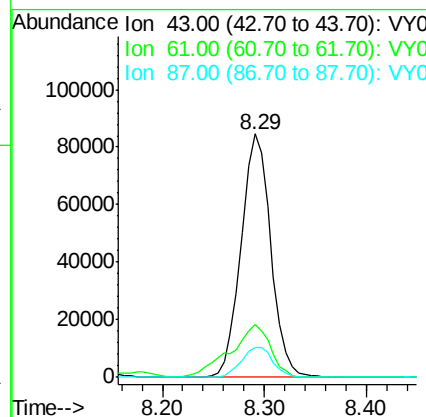
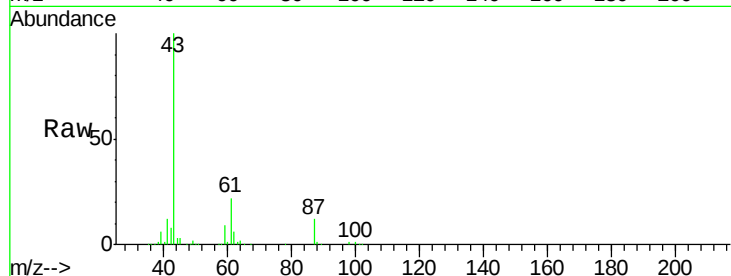
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	170621
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.0	34.4
87	13.0	10.7	16.1

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#44

Trichloroethene

Concen: 47.629 ug/l

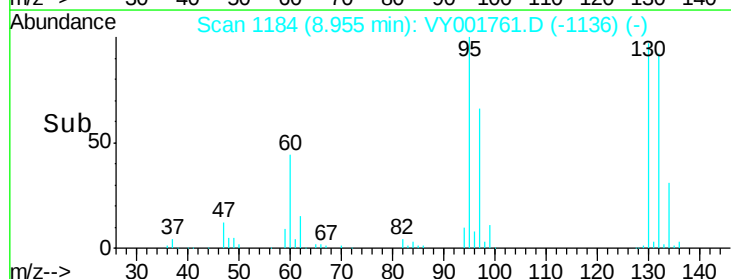
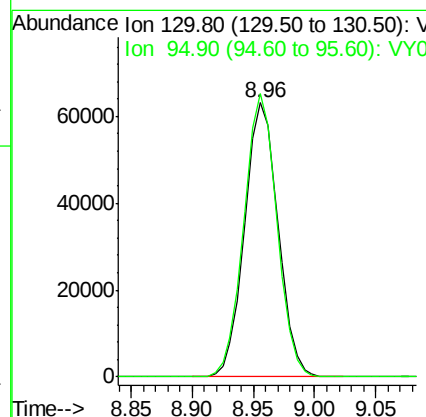
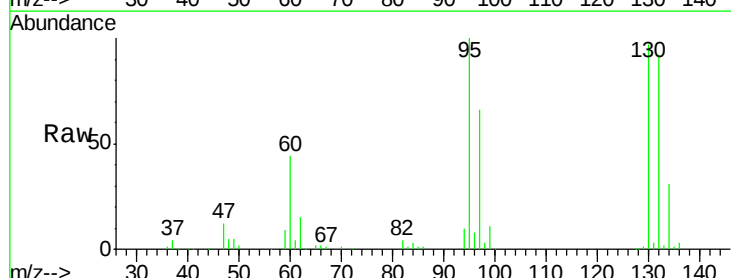
RT: 8.96 min Scan# 1184

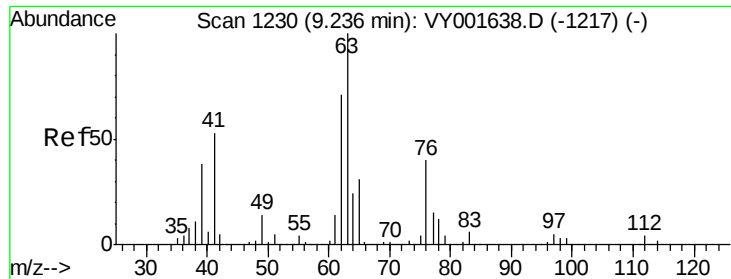
Delta R.T. -0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	130	Resp:	120440
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	200.6





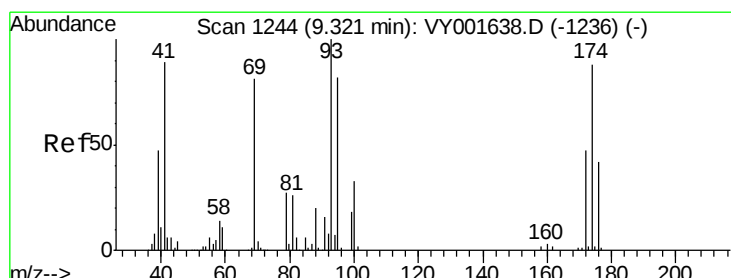
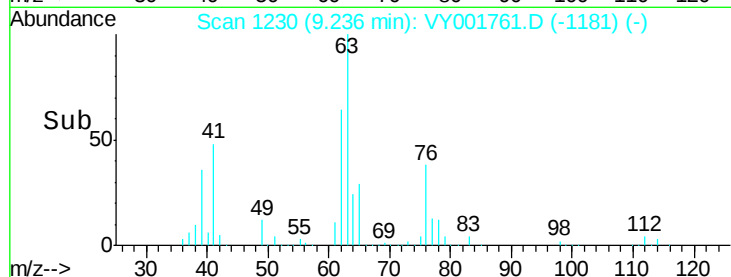
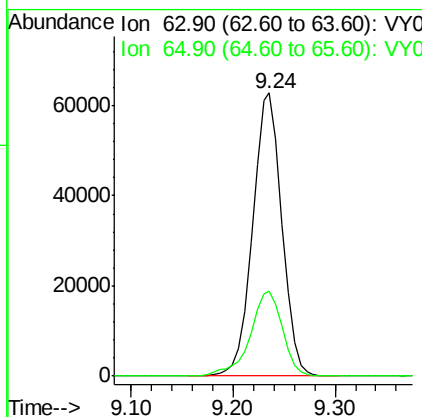
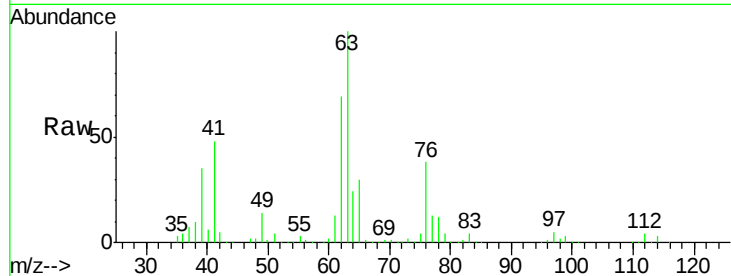
#45
 1,2-Dichloropropane
 Concen: 49.239 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 124912
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0

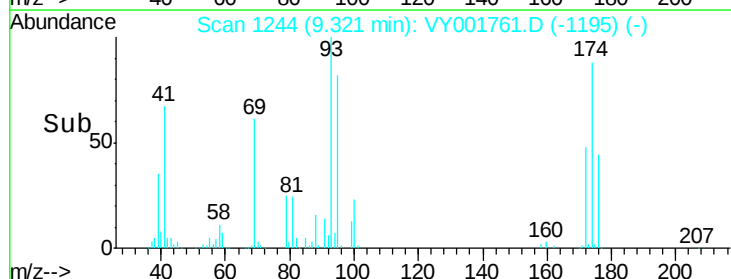
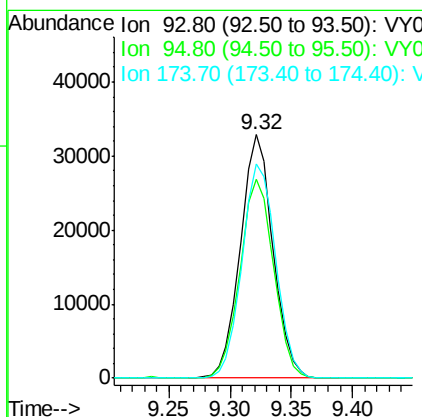
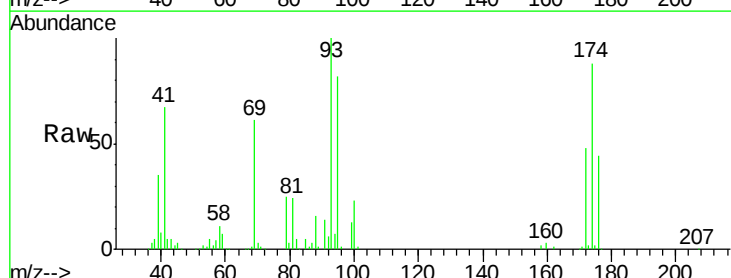
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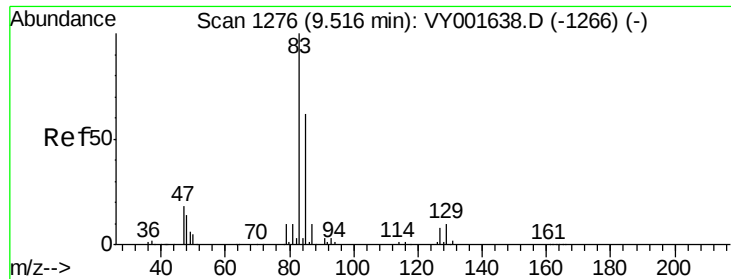
MMDadoda
 2/25/2020 10:53:49 AM



#46
 Dibromomethane
 Concen: 45.891 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion: 93 Resp: 60892
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.1 99.1
 174 91.1 72.5 108.7





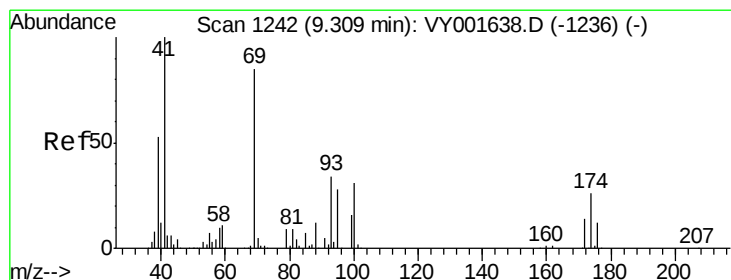
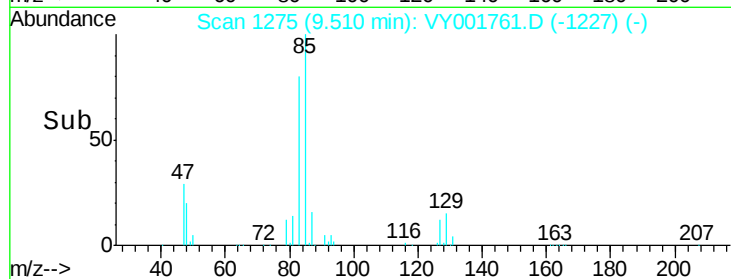
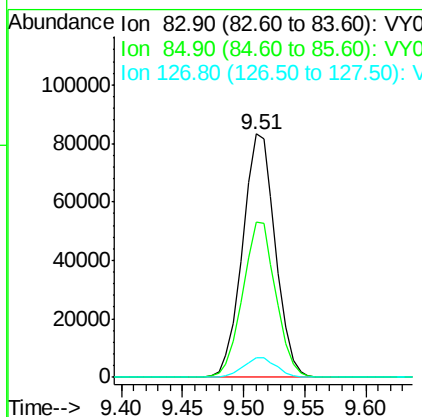
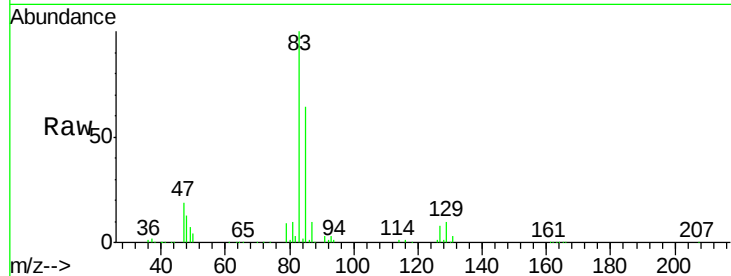
#47
Bromodichloromethane
Concen: 48.280 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	154610
Ion Ratio	100		
85	63.5	51.4	77.0
127	7.9	6.4	9.6

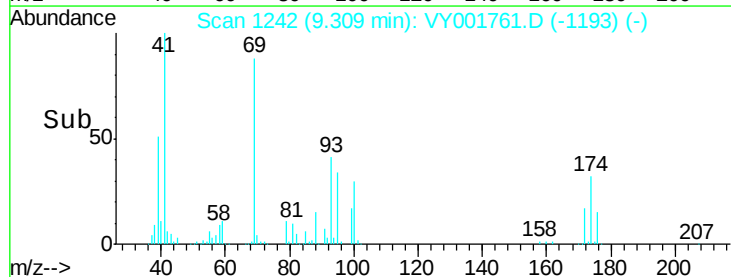
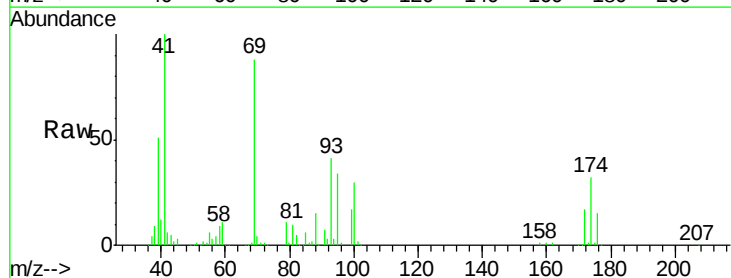
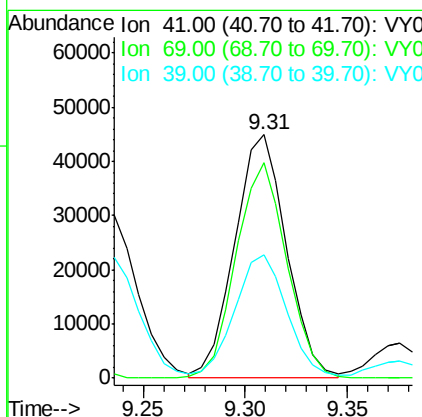
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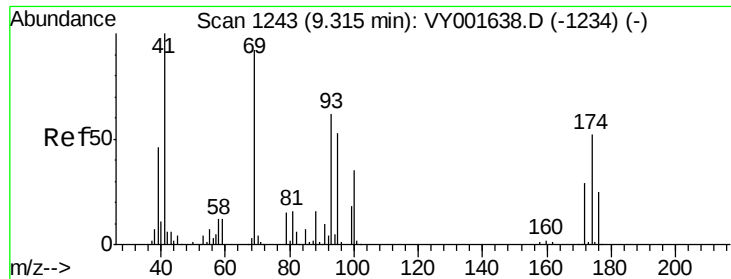
MMDadoda
2/25/2020 10:53:49 AM



#48
Methyl methacrylate
Concen: 45.005 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	41	Resp	79389
Ion Ratio	100		
69	86.6	70.7	106.1
39	48.8	42.2	63.2





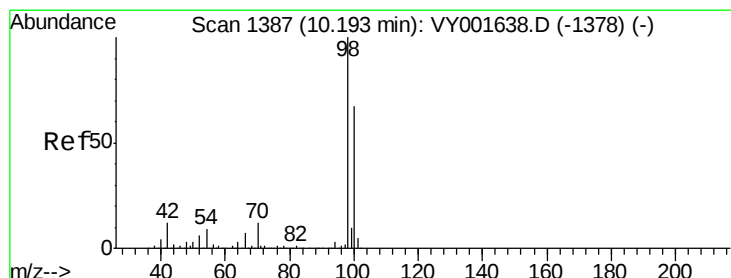
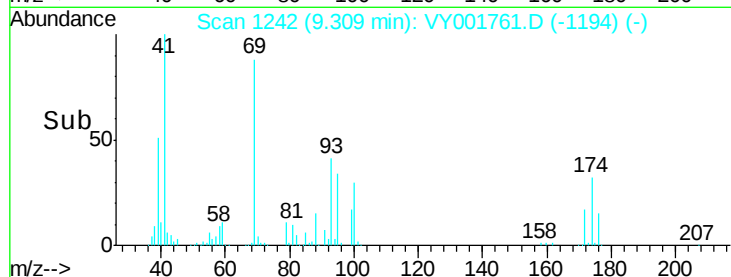
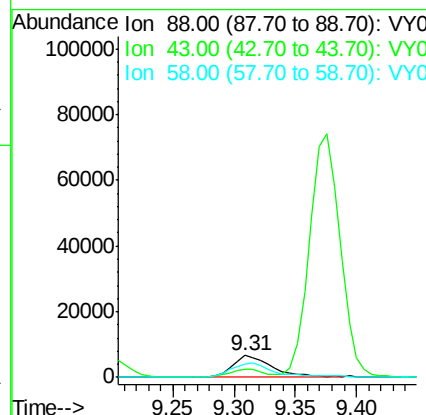
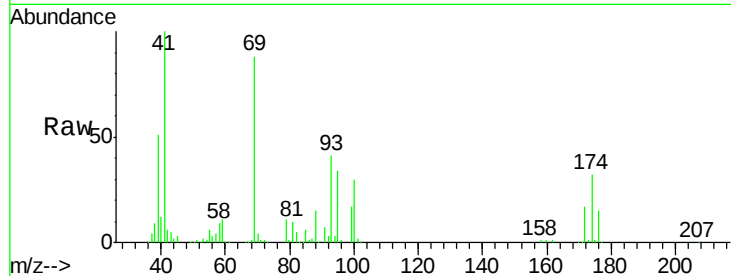
#49
1,4-Dioxane
Concen: 809.837 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.1	34.7
58	67.2	58.1	87.1

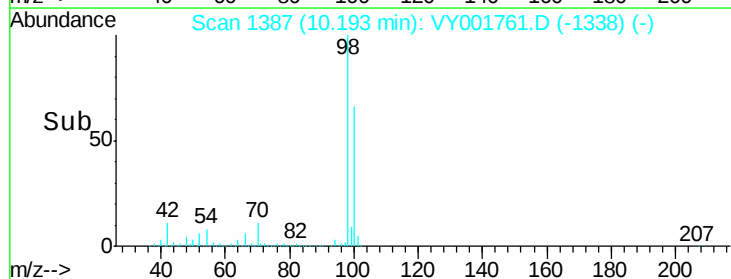
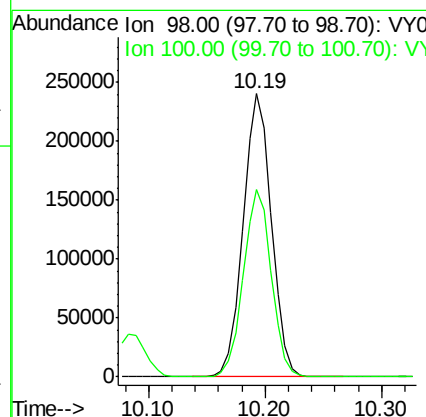
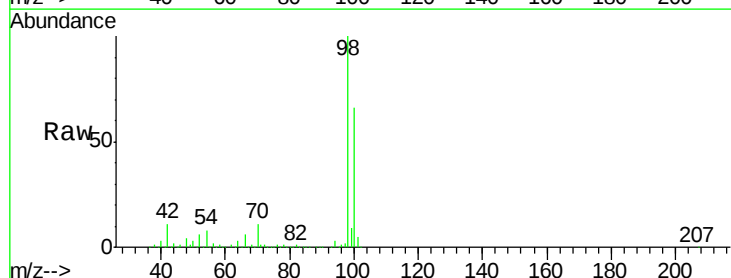
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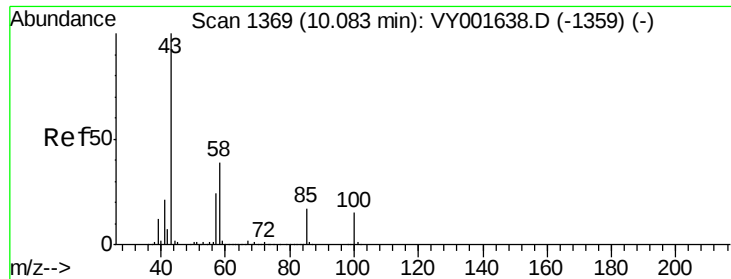
MMDadoda
2/25/2020 10:53:49 AM



#50
Toluene-d8
Concen: 50.156 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 212.197 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 425239

Ion Ratio Lower Upper

43 100

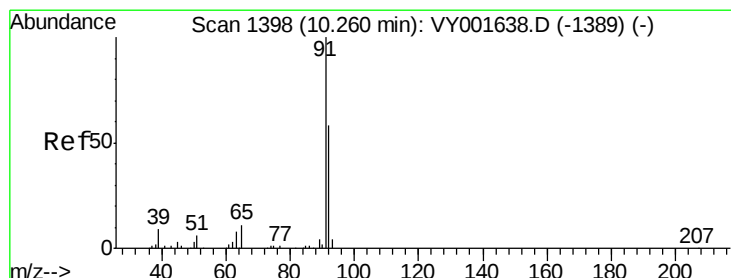
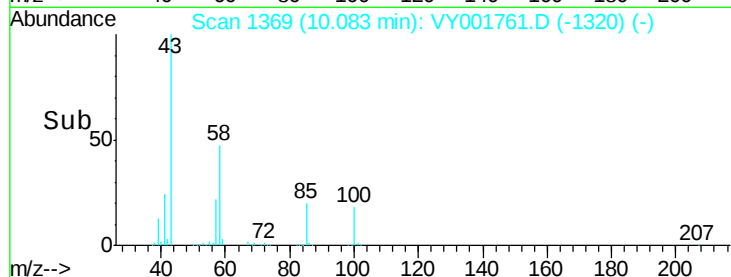
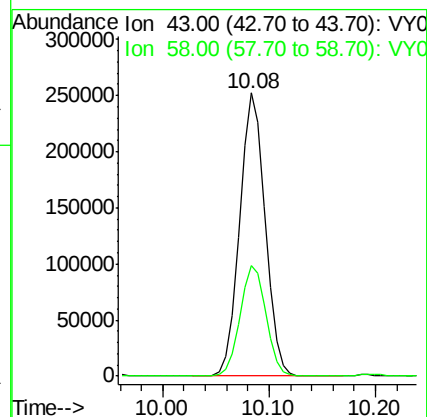
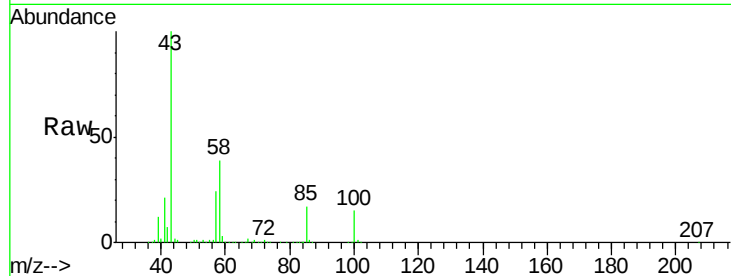
58 39.5 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 48.262 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VY001761.D

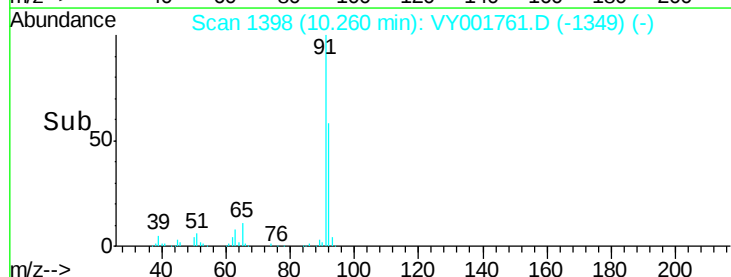
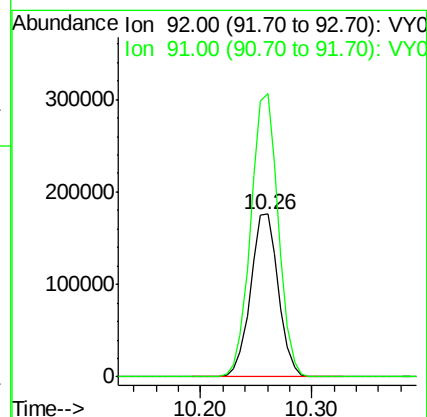
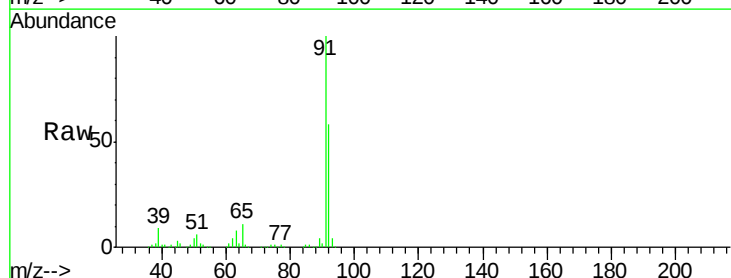
Acq: 24 Feb 2020 09:54

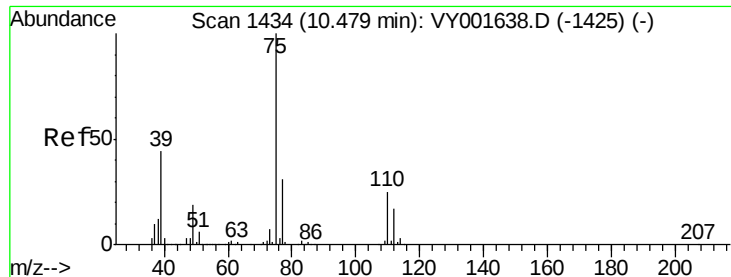
Tgt Ion: 92 Resp: 304945

Ion Ratio Lower Upper

92 100

91 172.3 137.0 205.6





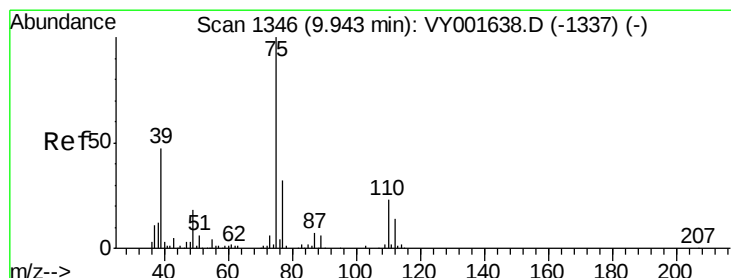
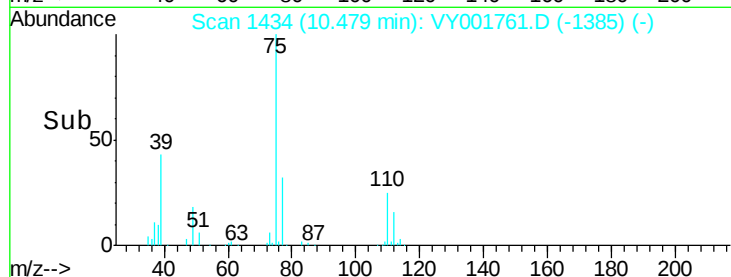
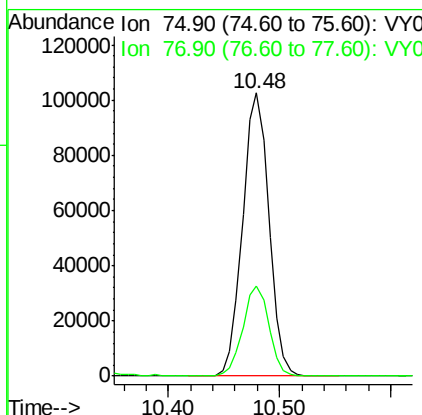
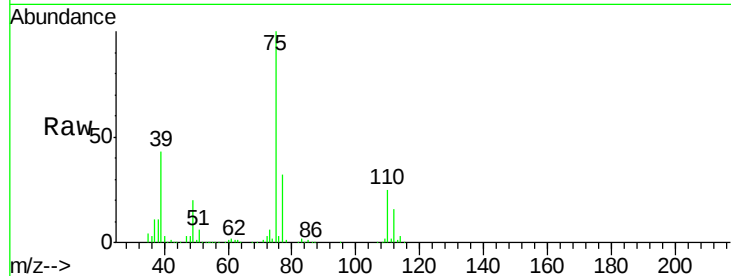
#53
 t-1,3-Dichloropropene
 Concen: 47.526 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 168256
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8

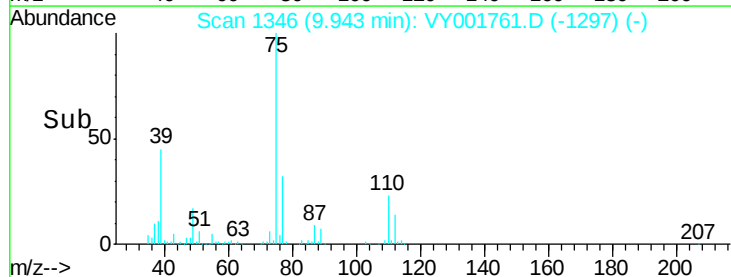
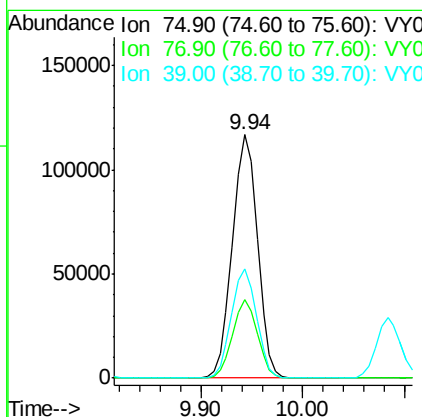
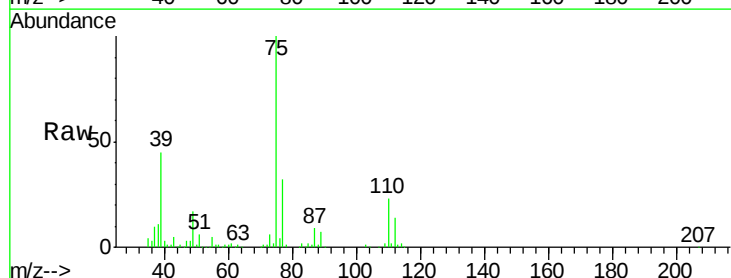
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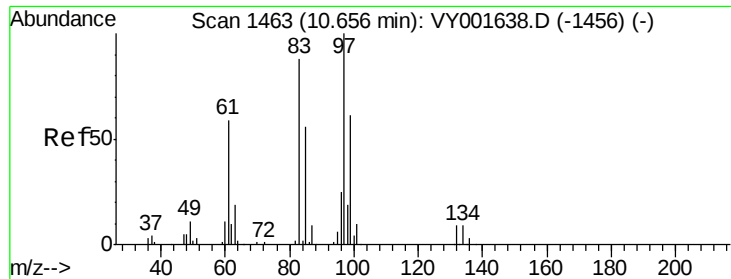
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#54
 cis-1,3-Dichloropropene
 Concen: 48.641 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion: 75 Resp: 198194
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5
 39 44.7 35.7 53.5





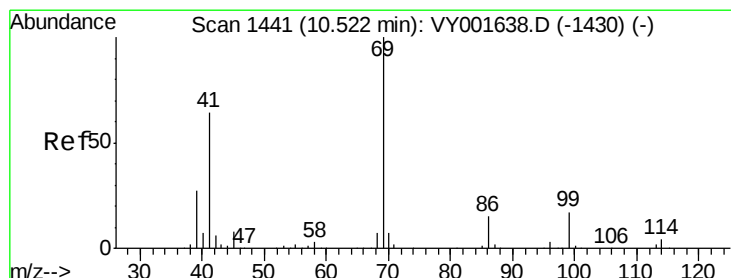
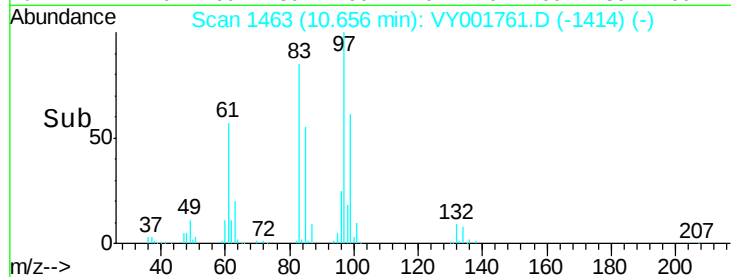
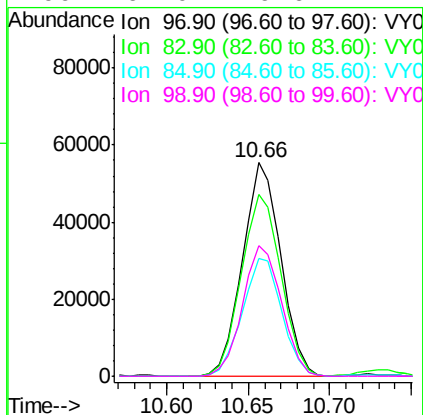
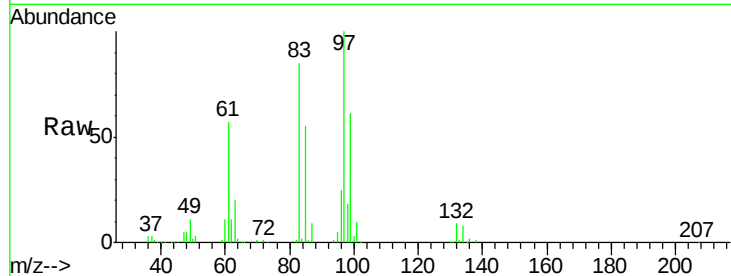
#55
 1,1,2-Trichloroethane
 Concen: 46.437 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.7	104.5
85	55.3	44.5	66.7
99	61.0	49.6	74.4

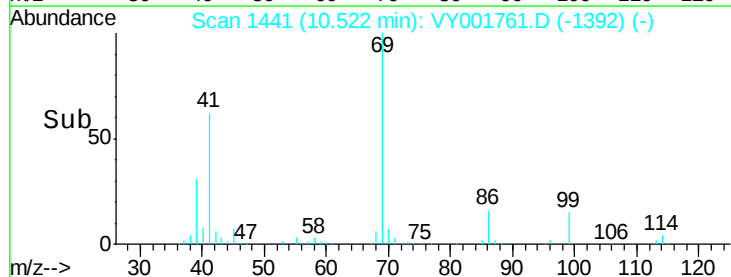
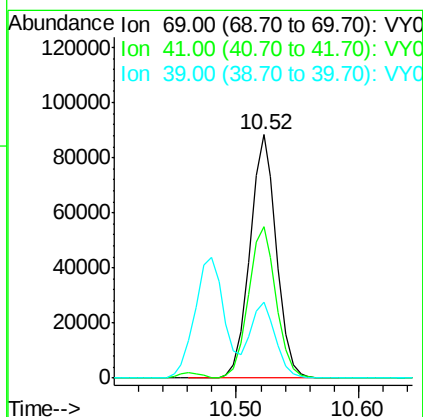
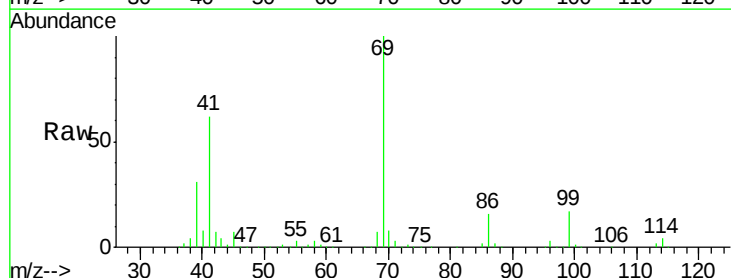
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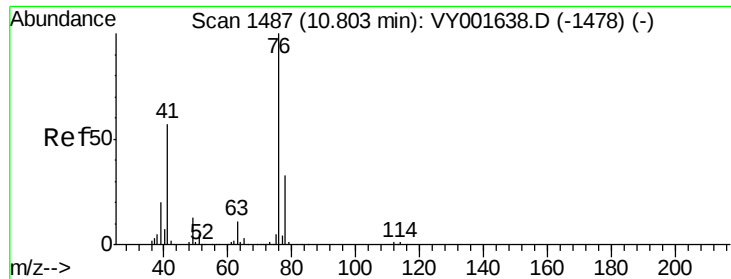
MMDadoda
 2/25/2020 10:53:49 AM



#56
 Ethyl methacrylate
 Concen: 45.232 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.0	76.4
39	29.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 46.857 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 162894

Ion Ratio Lower Upper

76 100

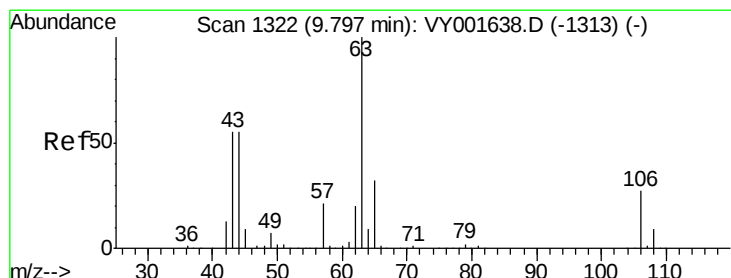
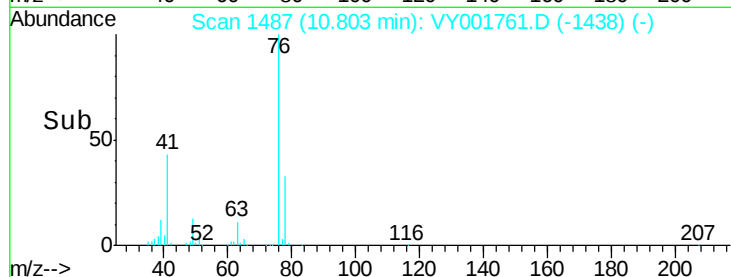
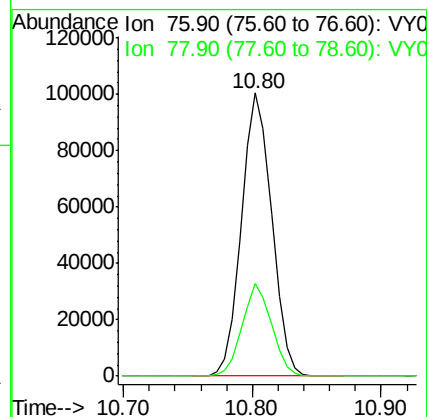
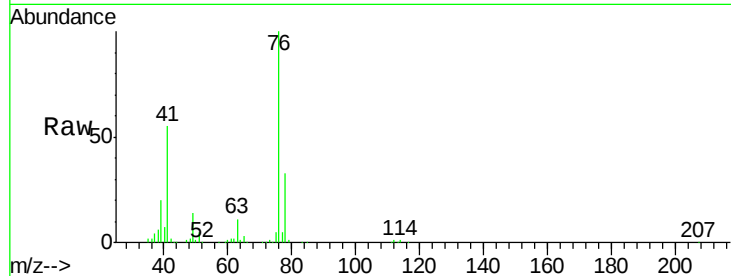
78 31.8 25.7 38.5

Manual Integrations

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MMDadoda

2/25/2020 10:53:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 208.855 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY001761.D

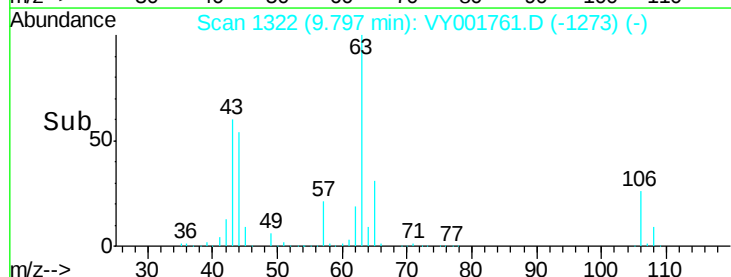
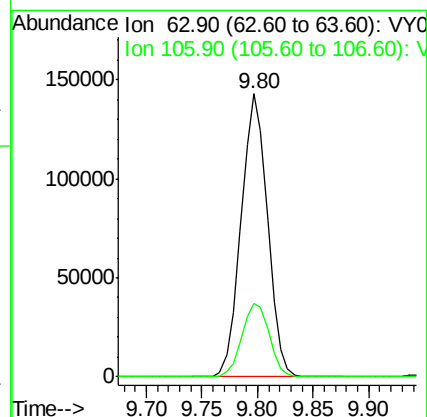
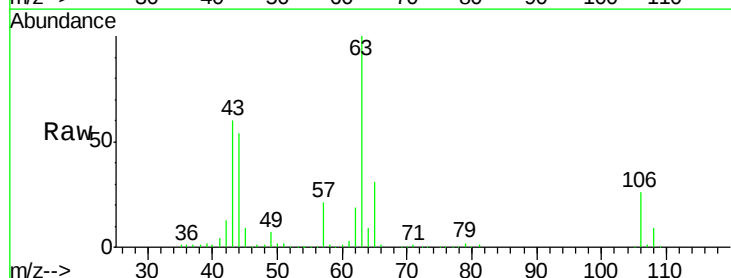
Acq: 24 Feb 2020 09:54

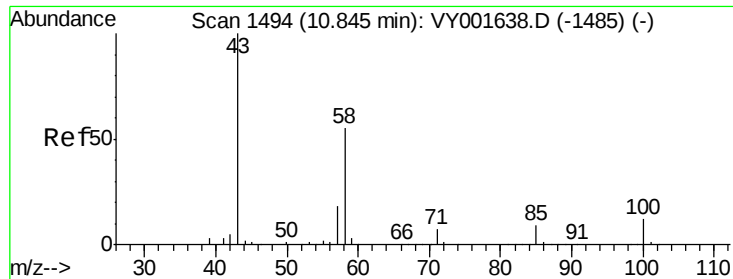
Tgt Ion: 63 Resp: 234017

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





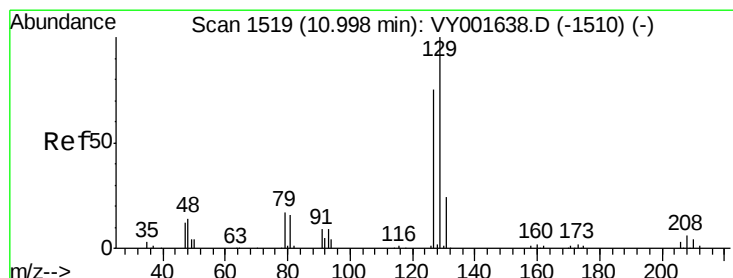
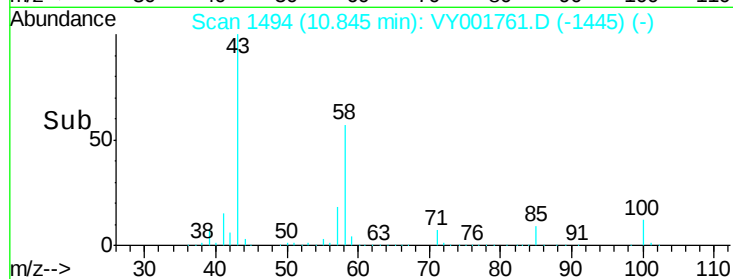
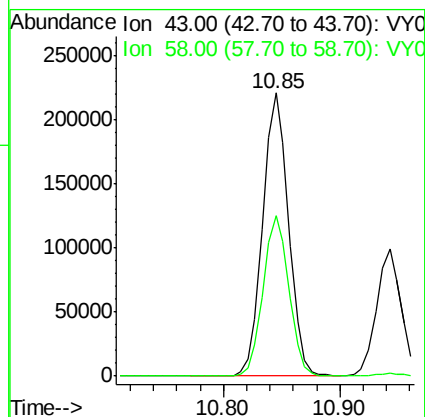
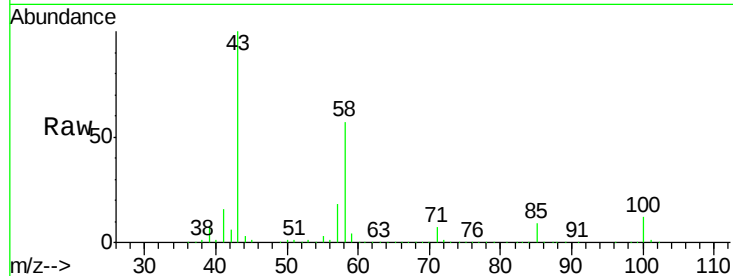
#59
2-Hexanone
Concen: 226.155 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 340051
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2

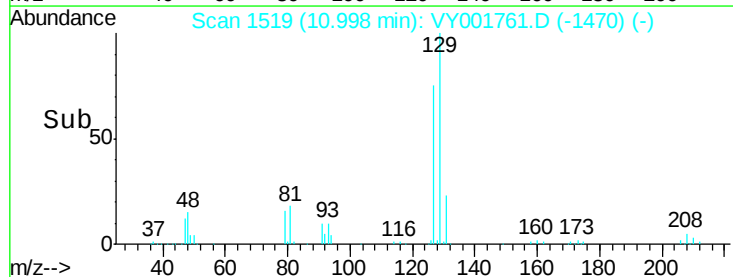
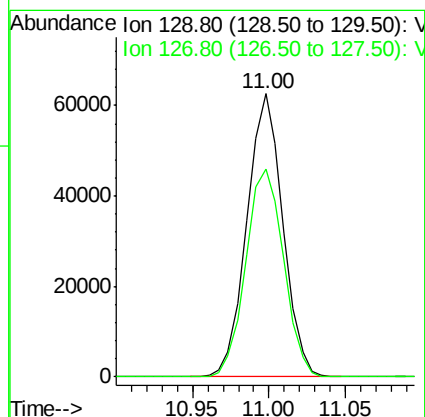
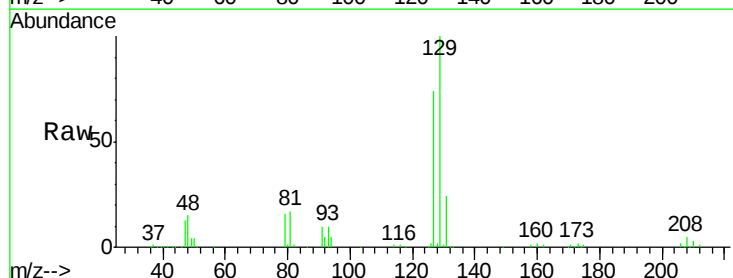
Manual Integrations
APPROVED

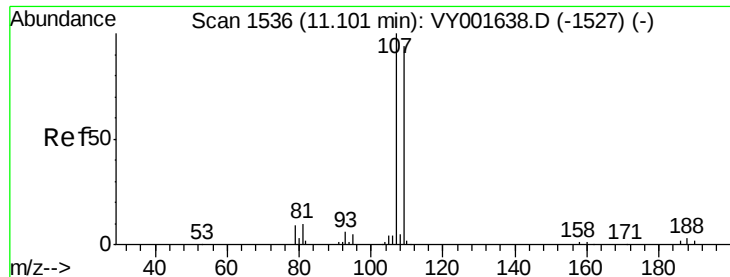
MMDadoda
2/25/2020 10:53:49 AM



#60
Dibromochloromethane
Concen: 47.354 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion: 129 Resp: 102146
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





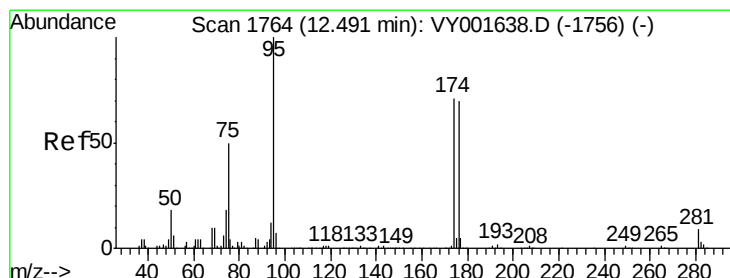
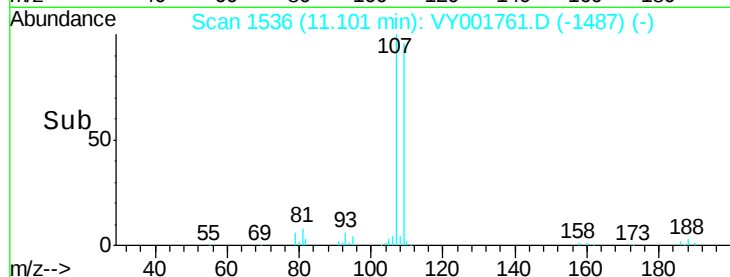
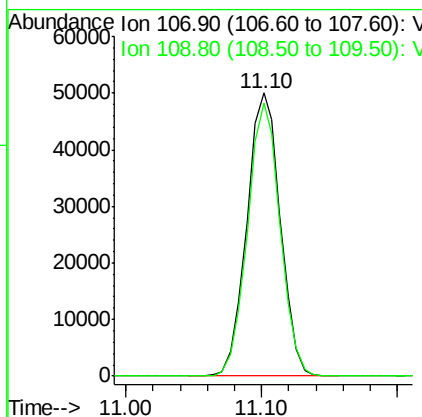
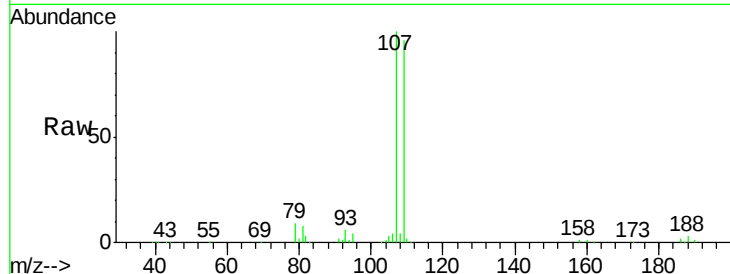
#61
1,2-Dibromoethane
Concen: 46.443 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.2	111.4

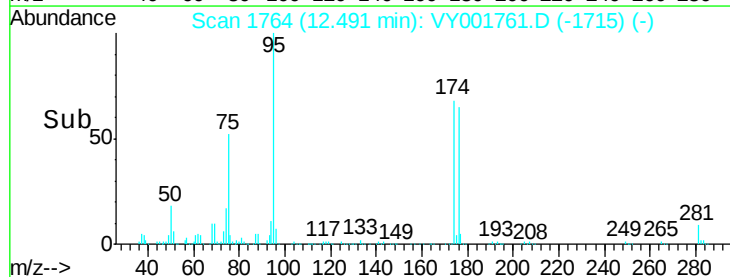
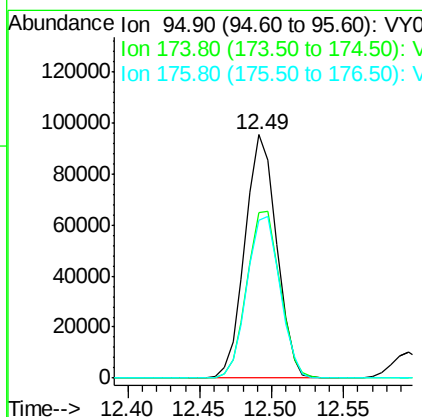
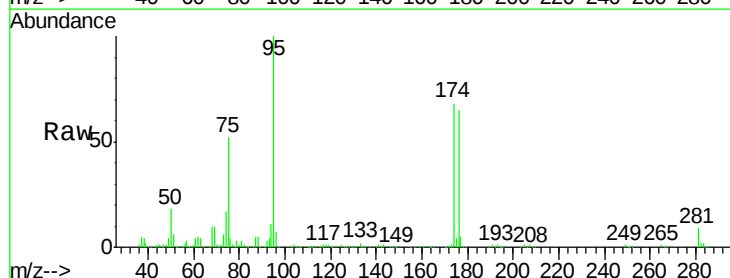
Manual Integrations
APPROVED

MMDadoda
2/25/2020 10:53:49 AM



#62
4-Bromofluorobenzene
Concen: 46.182 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	138.4
176	69.3	0.0	131.8





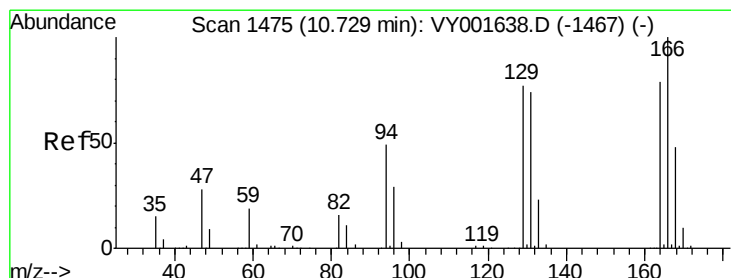
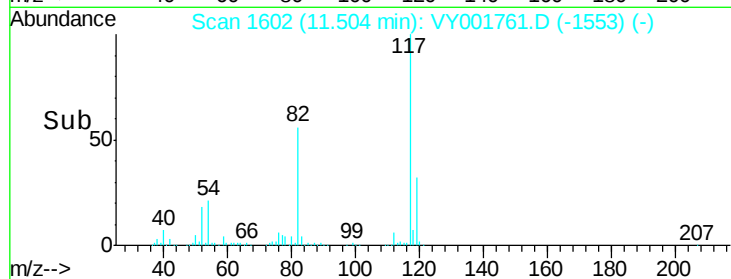
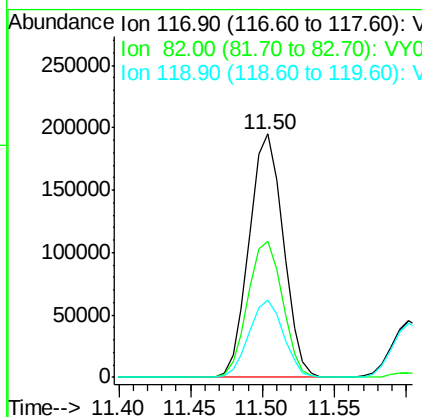
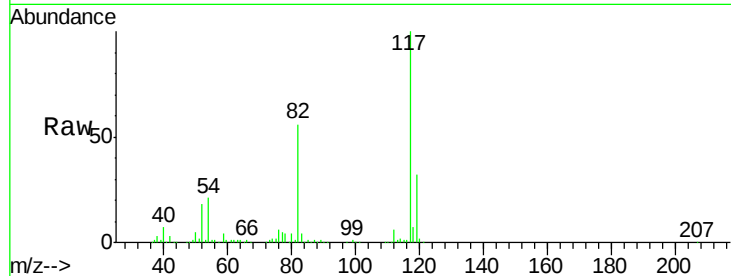
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.5	68.3
119	32.0	25.8	38.6

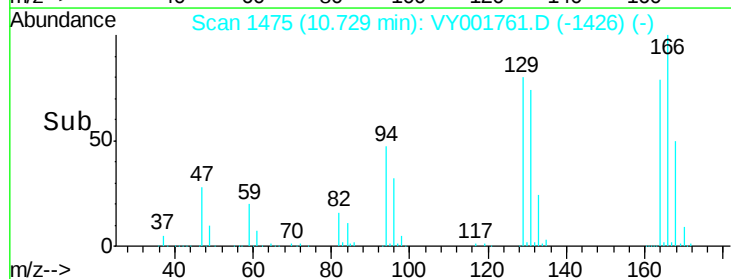
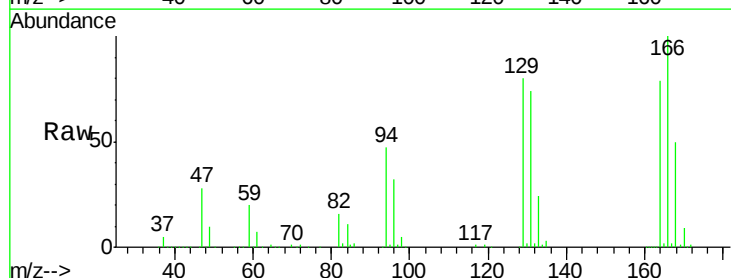
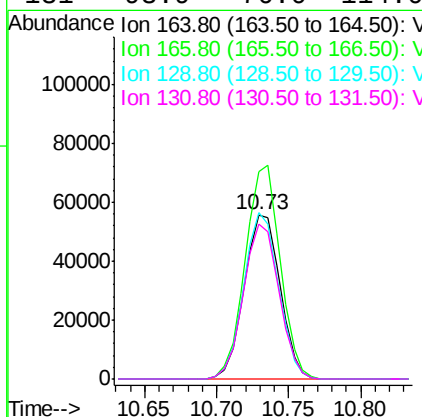
Manual Integrations
APPROVED

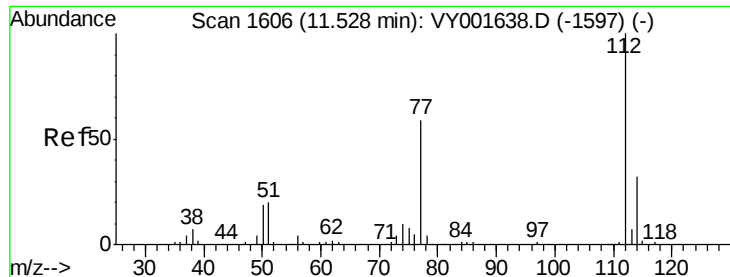
MMDadoda
2/25/2020 10:53:49 AM



#64
Tetrachloroethene
Concen: 47.849 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.4	152.0
129	101.0	78.7	118.1
131	93.9	76.0	114.0





#65

Chlorobenzene

Concen: 48.400 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 309479

Ion Ratio Lower Upper

112 100

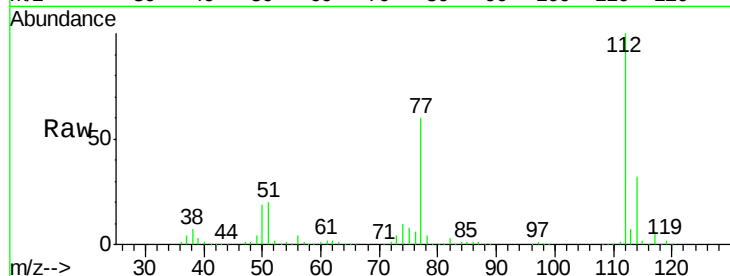
114 32.1 25.4 38.2

Manual Integrations

APPROVED

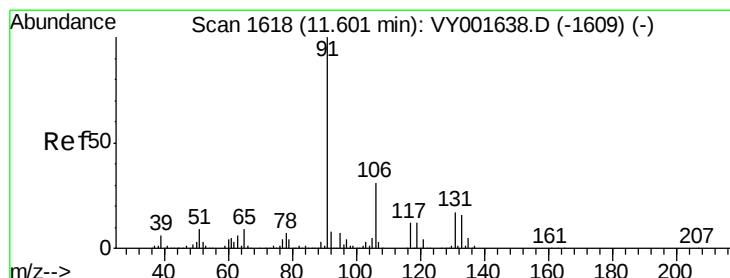
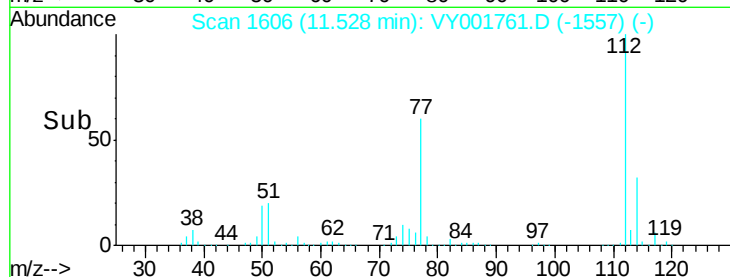
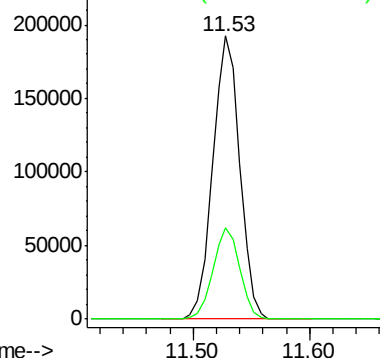
MMDadoda

2/25/2020 10:53:49 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.787 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

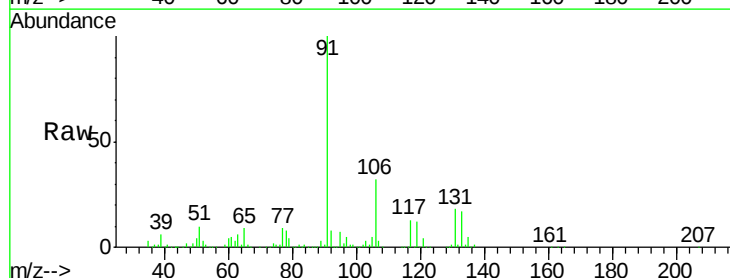
Tgt Ion:131 Resp: 105230

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

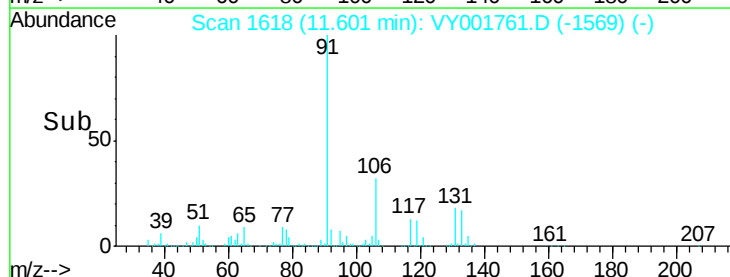
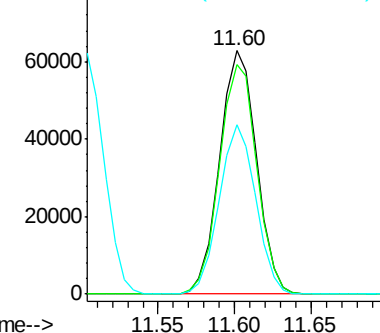
119 69.1 34.4 103.1

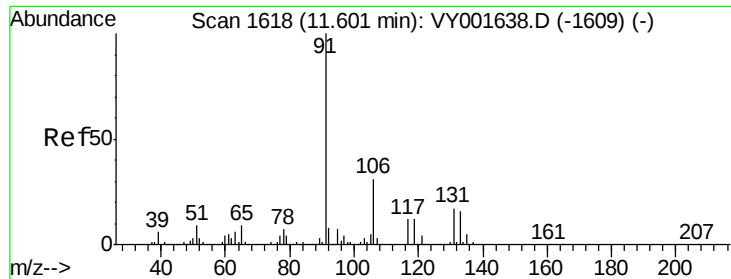


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





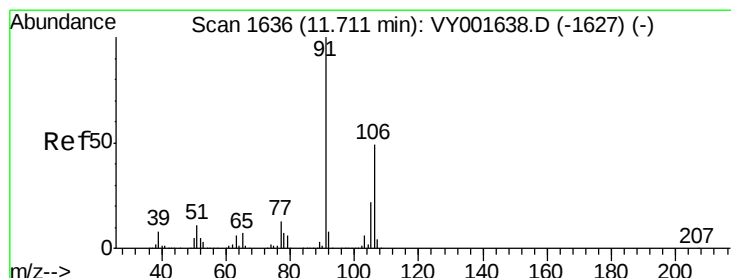
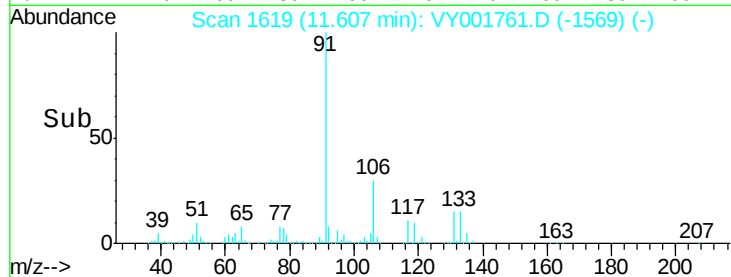
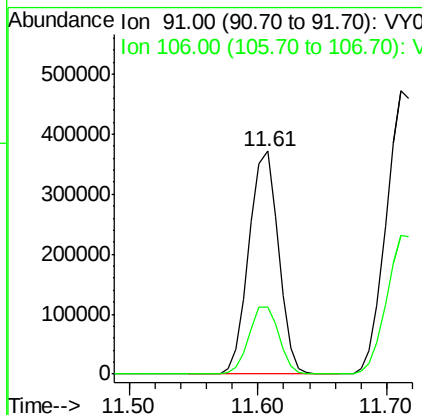
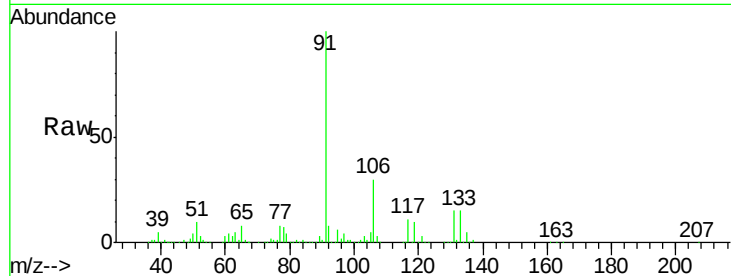
#67
Ethyl Benzene
Concen: 49.565 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 588136
Ion Ratio Lower Upper
91 100
106 30.2 24.5 36.7

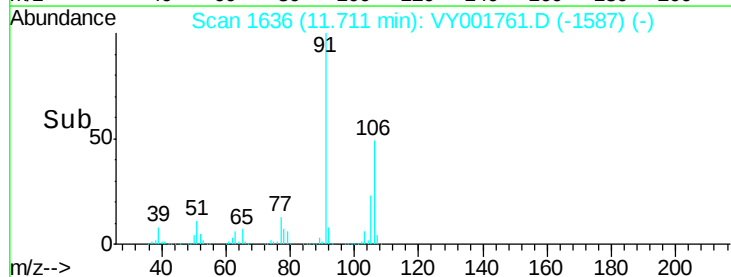
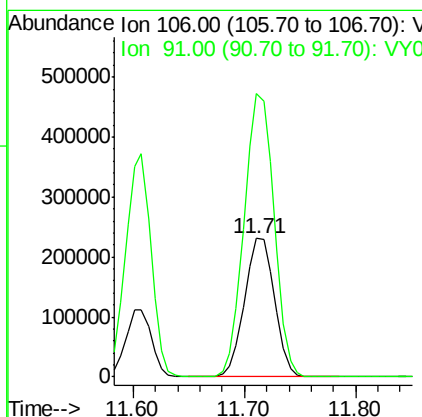
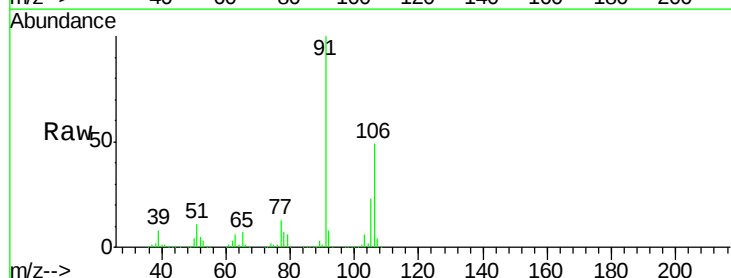
Manual Integrations
APPROVED

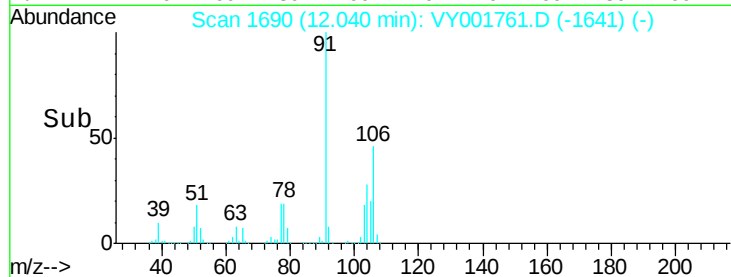
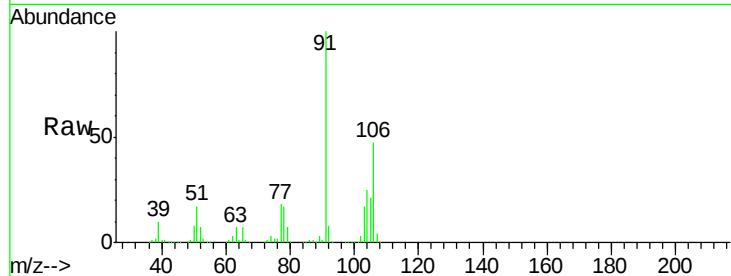
MMDadoda
2/25/2020 10:53:49 AM



#68
m/p-Xylenes
Concen: 98.175 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion: 106 Resp: 435161
Ion Ratio Lower Upper
106 100
91 203.5 163.3 244.9





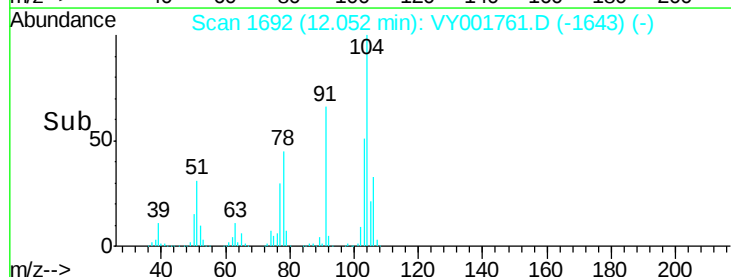
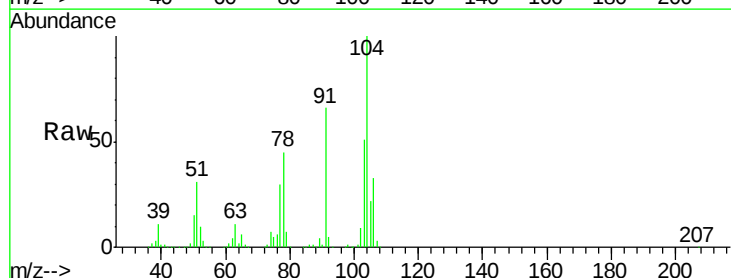
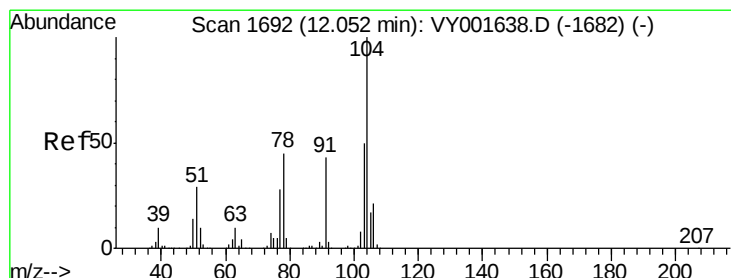
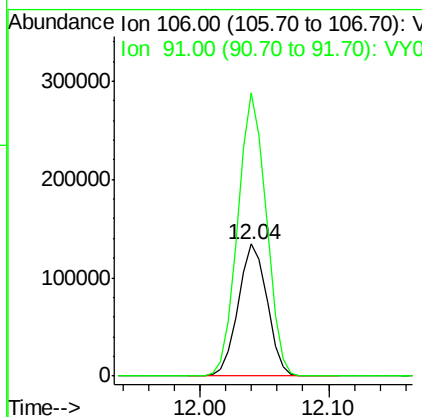
#69
o-Xylene
Concen: 49.290 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		207706		
91	212.2	108.3	324.9		

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

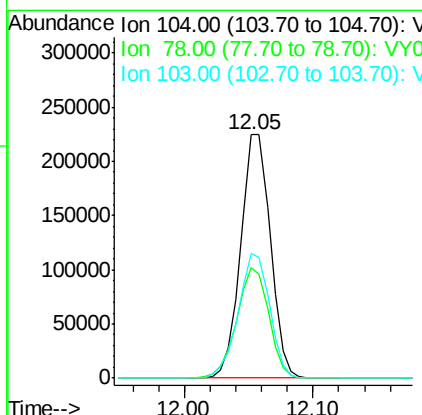
Manual Integrations
APPROVED

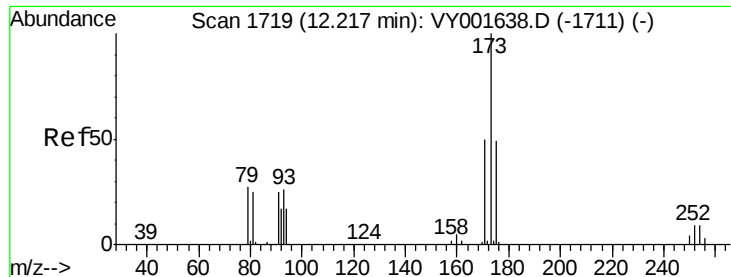
MMDadoda
2/25/2020 10:53:49 AM



#70
Styrene
Concen: 48.912 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		358211		
78	48.8	39.2	58.8		
103	54.2	43.0	64.6		





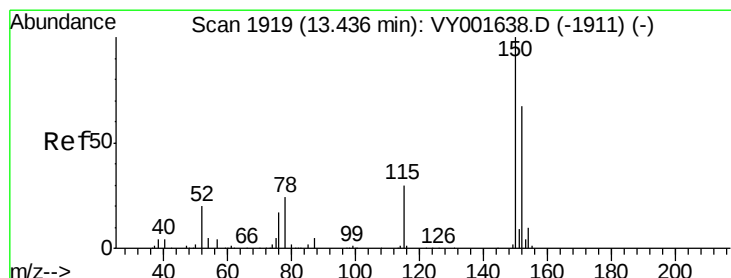
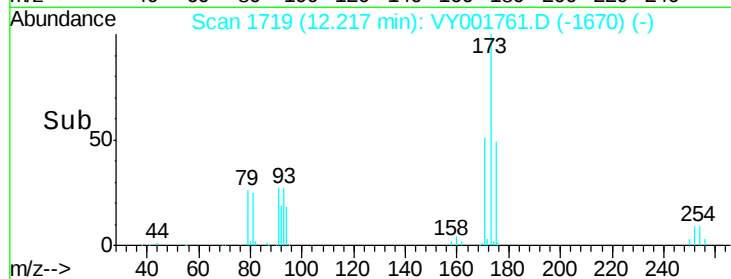
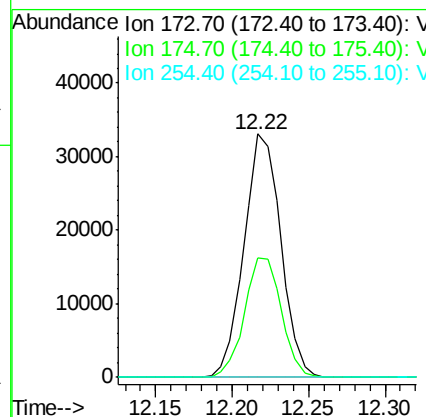
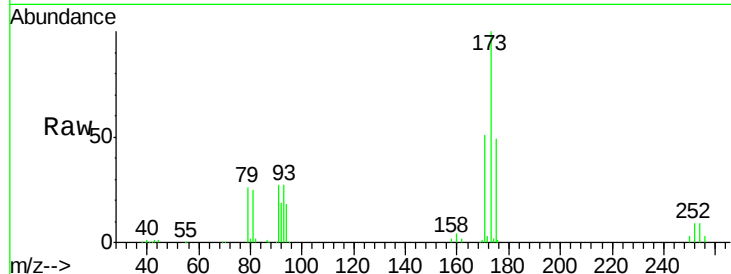
#71
Bromoform
Concen: 44.871 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	73.0
254	0.0	0.1	0.1#

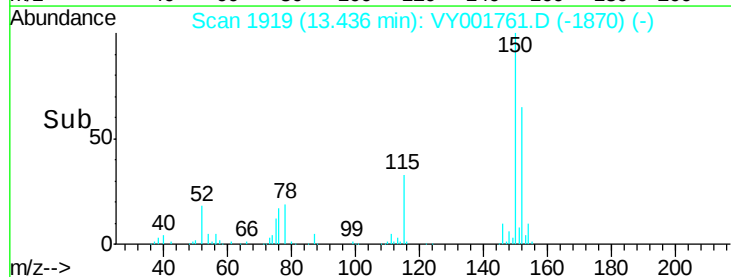
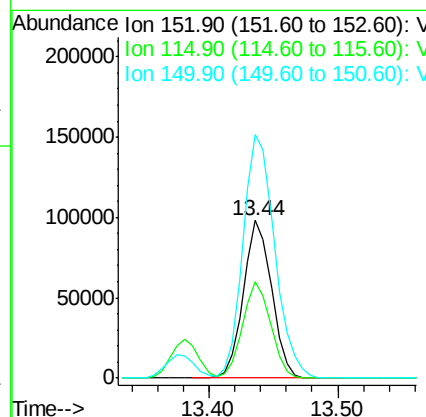
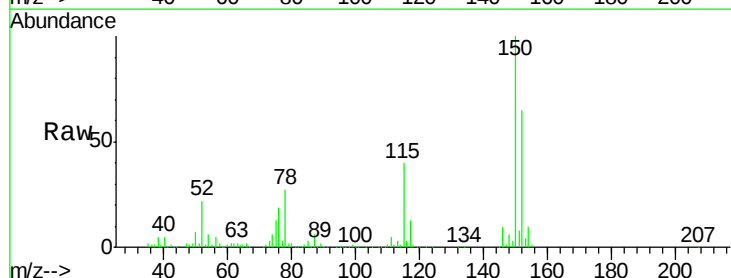
Manual Integrations
APPROVED

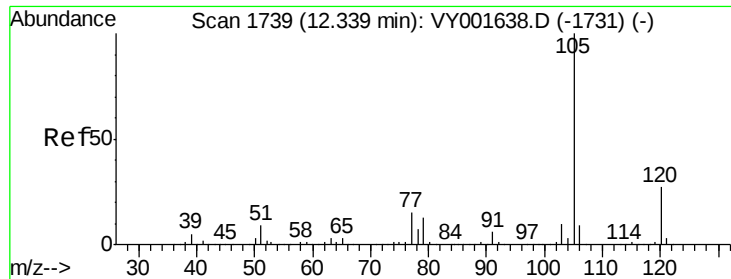
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2/25/2020 10:53:49 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.4	94.2
150	173.9	0.0	407.2





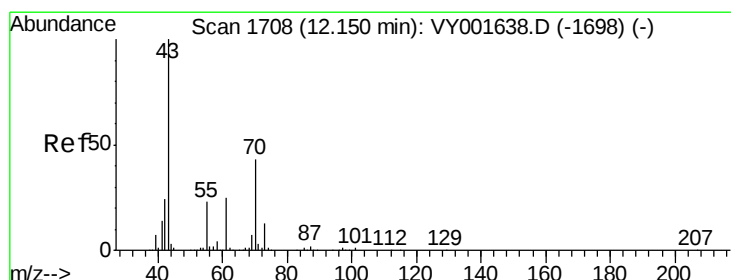
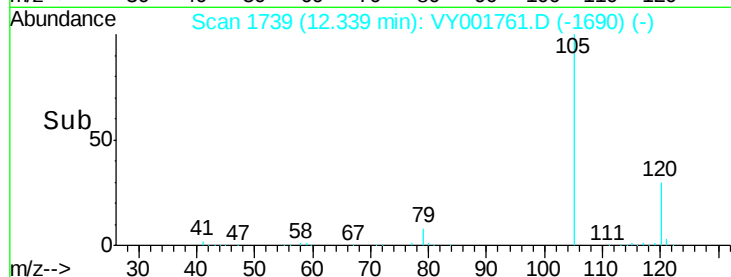
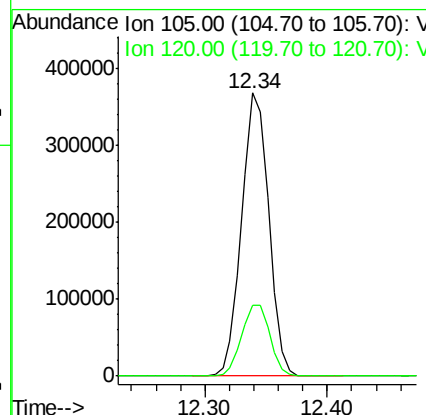
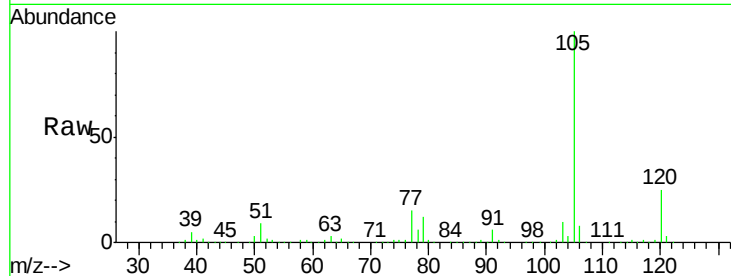
#73
Isopropylbenzene
Concen: 50.100 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.4	40.1

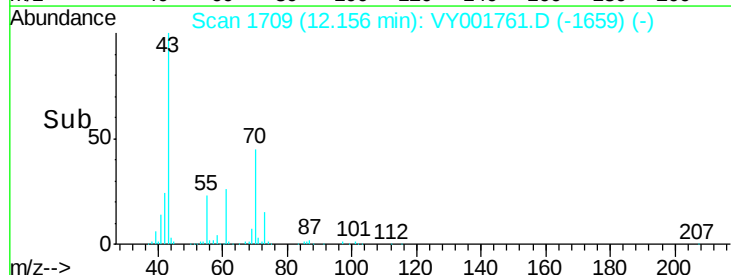
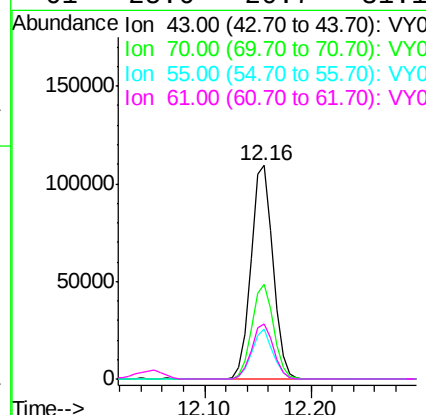
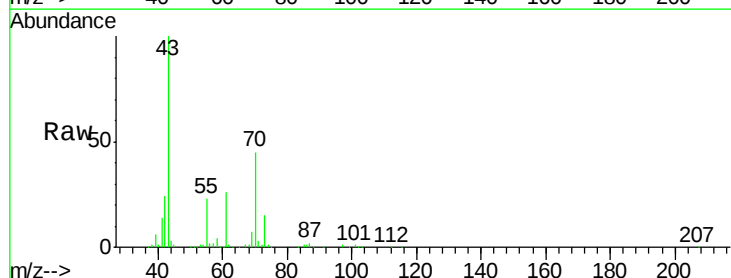
Manual Integrations
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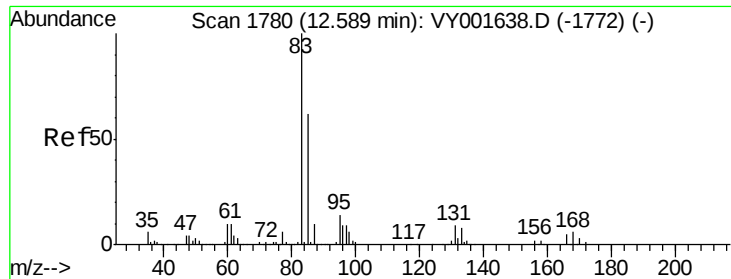
MMDadoda
2/25/2020 10:53:49 AM



#74
N-ethyl acetate
Concen: 44.055 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	35.9	53.9
55	22.6	18.3	27.5
61	25.6	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.344 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

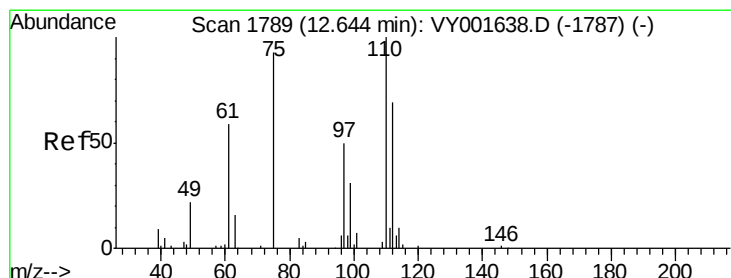
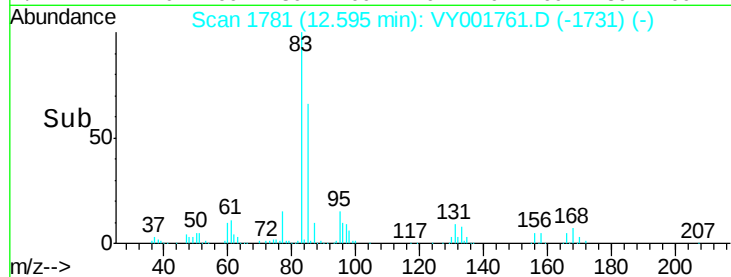
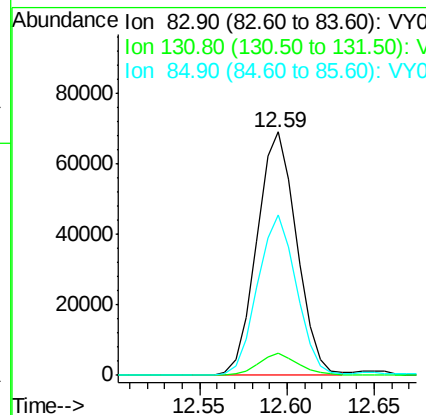
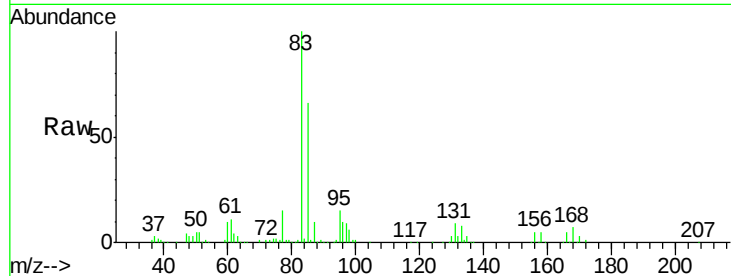
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	109216
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.1
85	64.7	31.6	94.7

Manual Integrations
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2/25/2020 10:53:49 AM



#76

1,2,3-Trichloropropane

Concen: 45.376 ug/l m

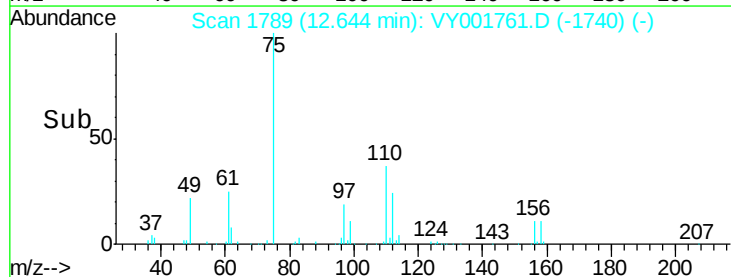
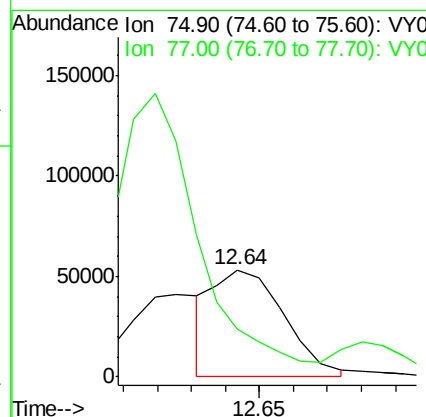
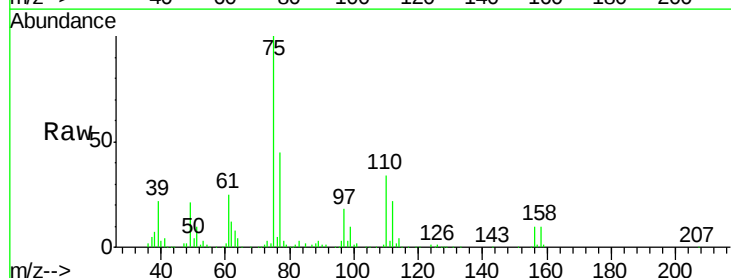
RT: 12.64 min Scan# 1789

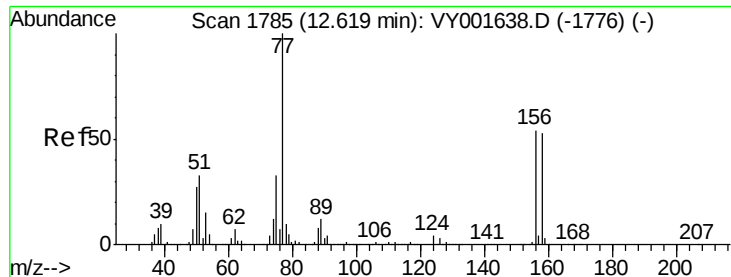
Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	75	Resp:	77075
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.935 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

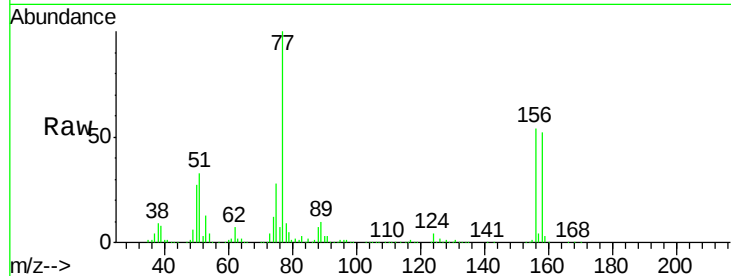
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.8	110.1	330.1
158	98.2	47.9	143.7

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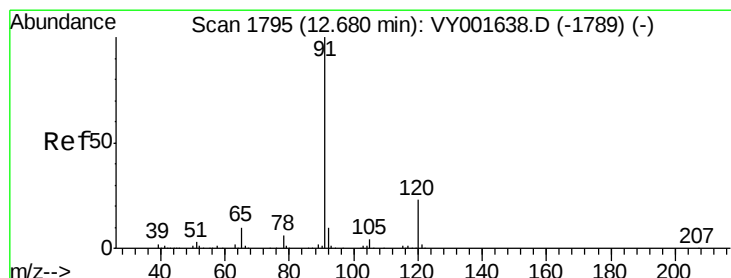
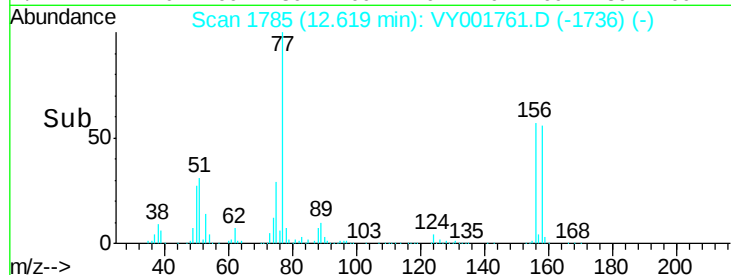
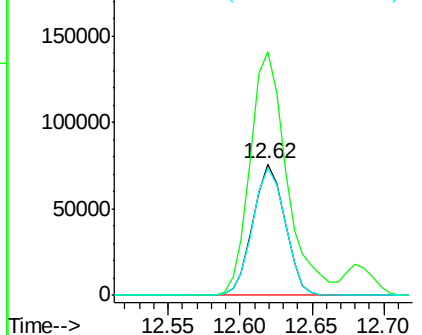
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.093 ug/l

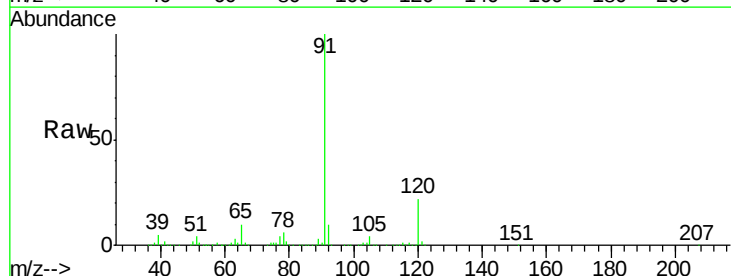
RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY001761.D

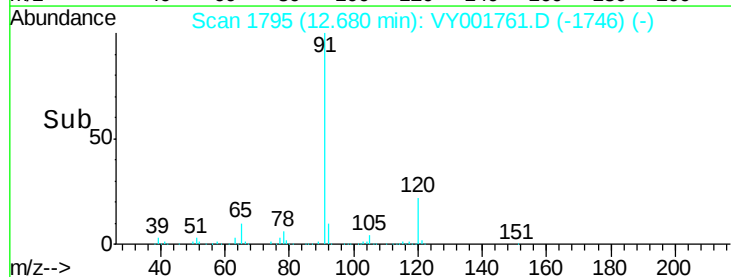
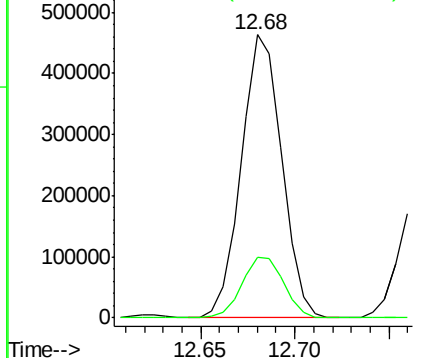
Acq: 24 Feb 2020 09:54

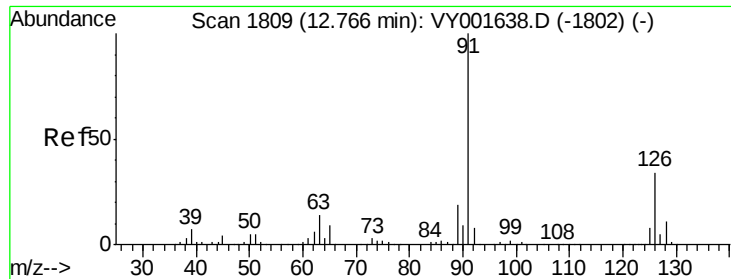
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.175 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 378916

Ion Ratio Lower Upper

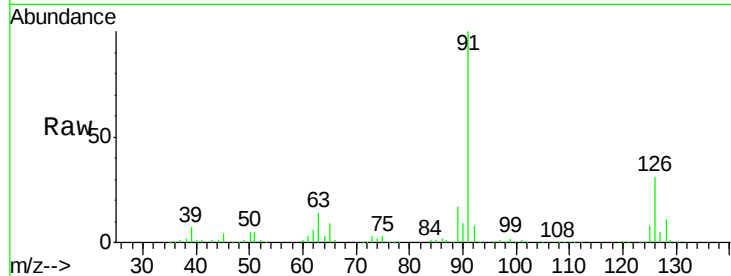
91 100

126 33.2 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)

500000

400000

300000

200000

100000

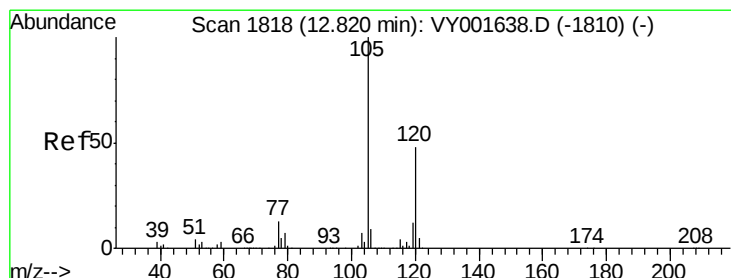
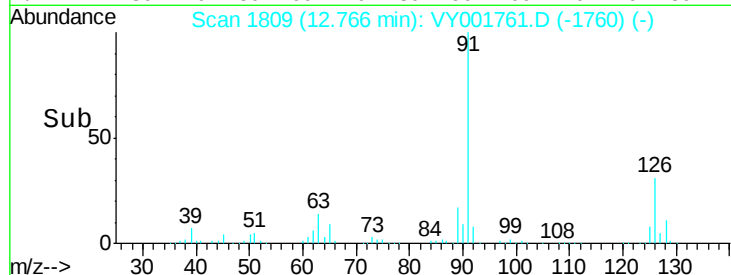
0

12.70

12.75

12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.627 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001761.D

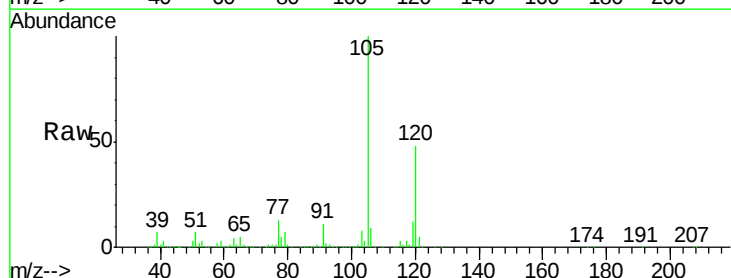
Acq: 24 Feb 2020 09:54

Tgt Ion: 105 Resp: 463406

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

300000

200000

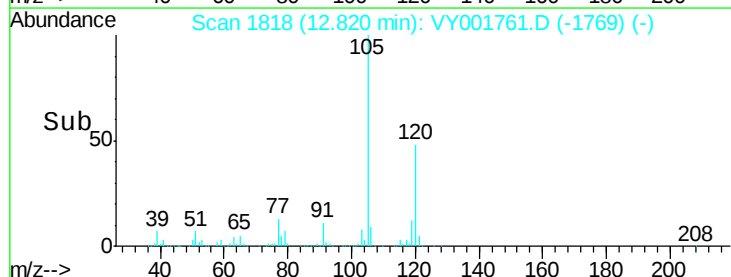
100000

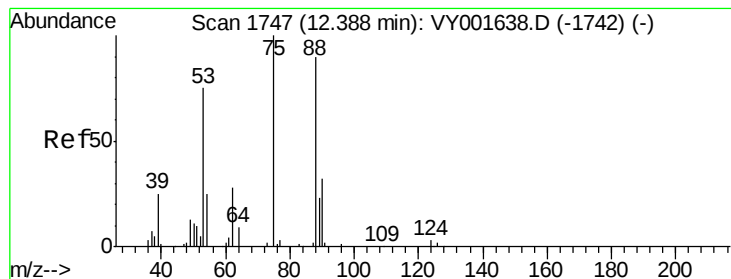
0

12.80

12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.265 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Instrument :

MSVOA_Y

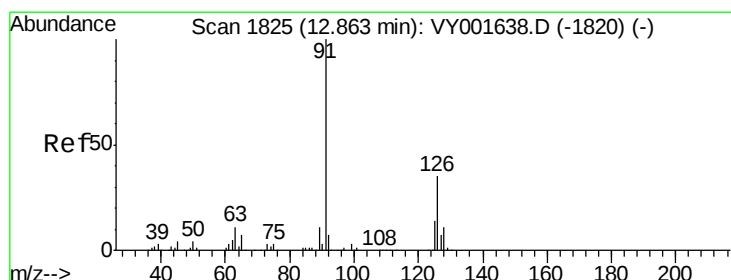
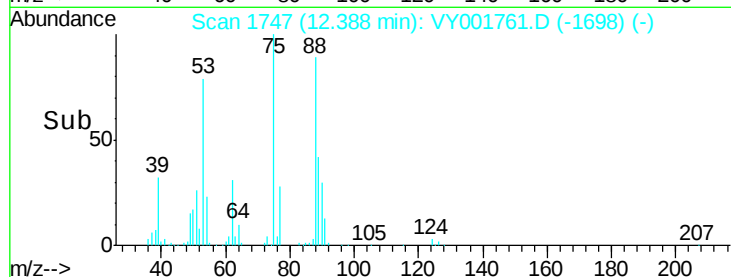
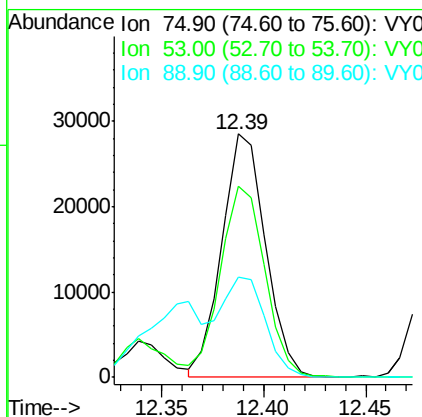
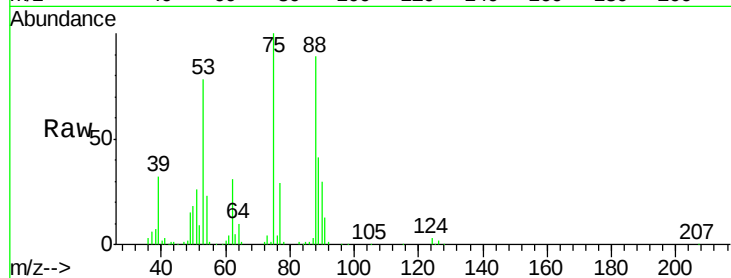
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	42318
Ion	Ratio	Lower	Upper
75	100		
53	80.4	64.5	96.7
89	44.0	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.207 ug/l

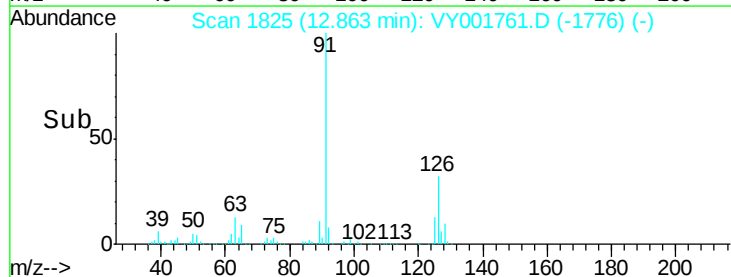
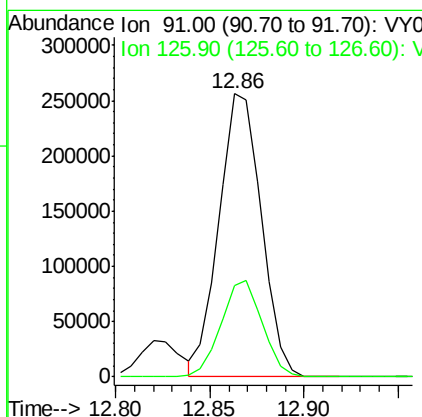
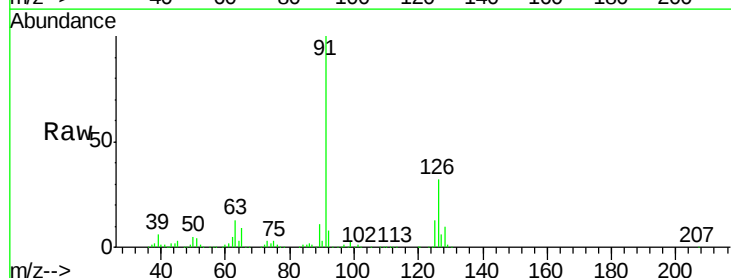
RT: 12.86 min Scan# 1825

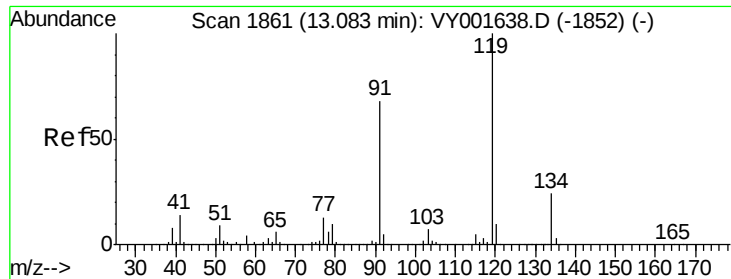
Delta R.T. -0.00 min

Lab File: VY001761.D

Acq: 24 Feb 2020 09:54

Tgt Ion:	91	Resp:	399899
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6





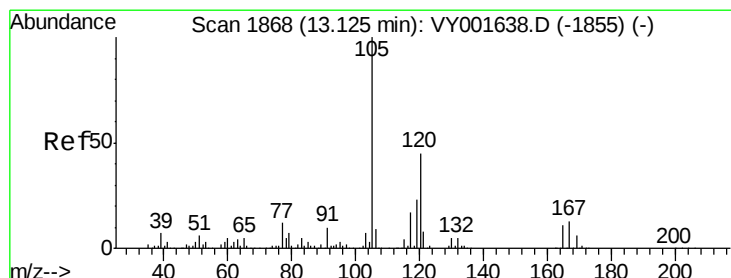
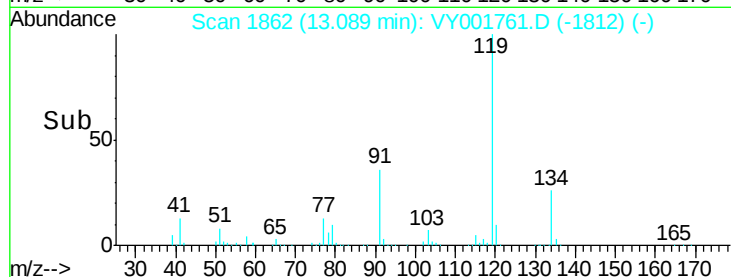
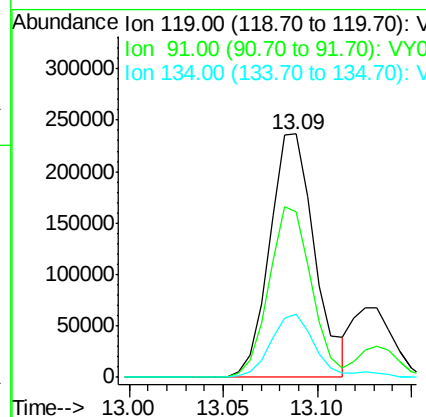
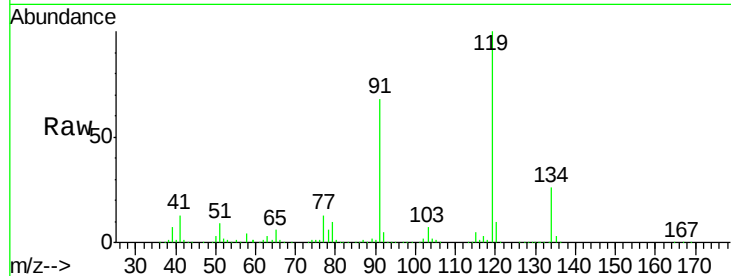
#83
tert-Butylbenzene
Concen: 50.083 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.5	100.5
134	26.4	13.3	39.8

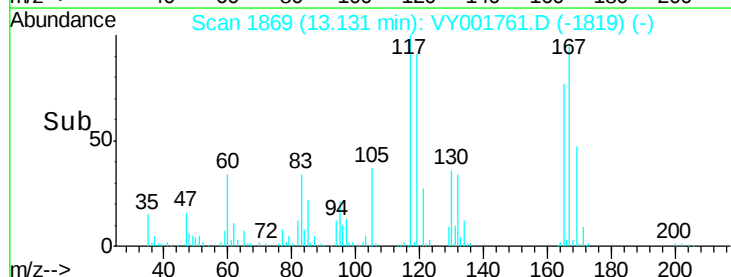
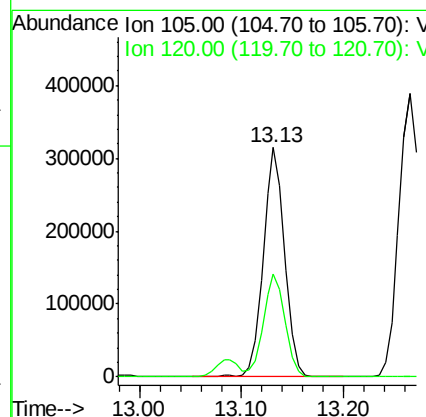
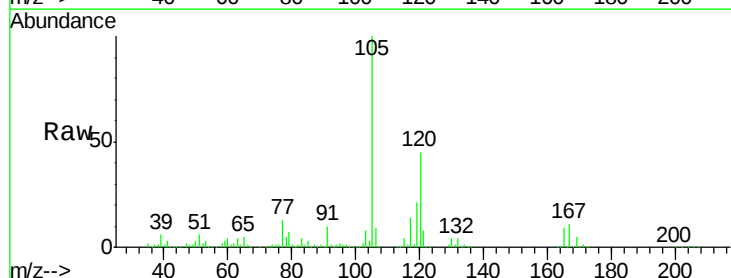
Manual Integrations
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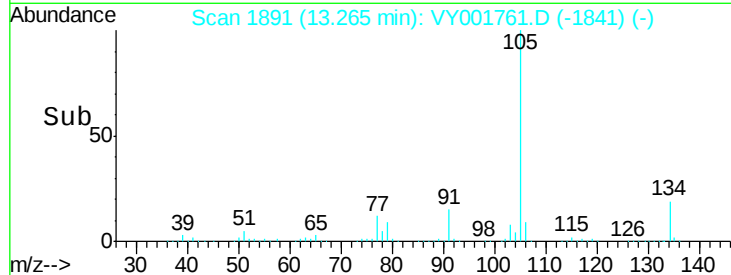
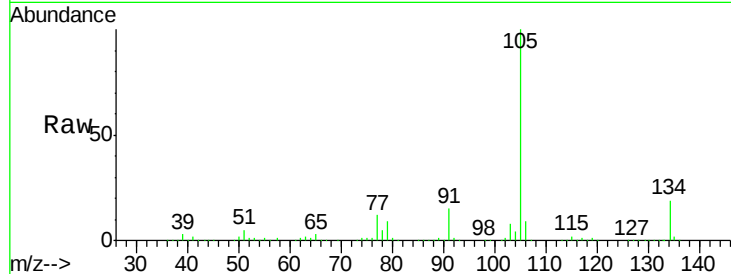
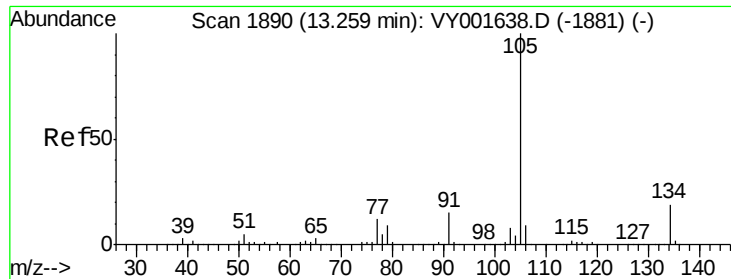
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#84
1,2,4-Trimethylbenzene
Concen: 49.378 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3





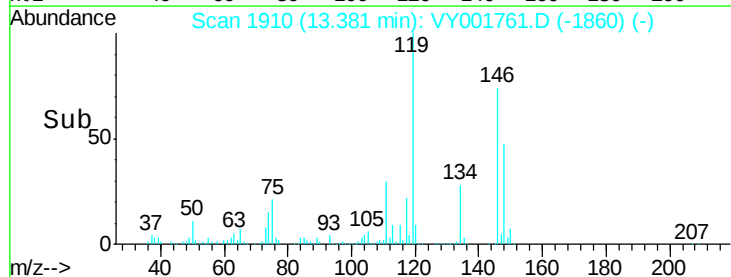
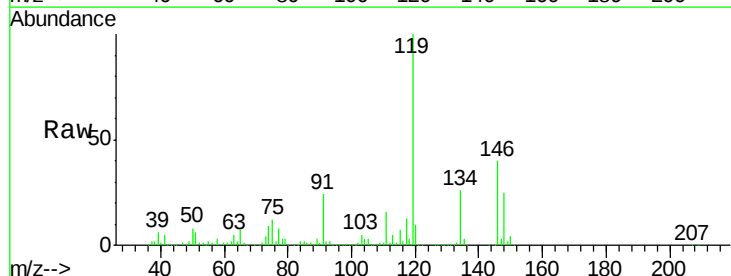
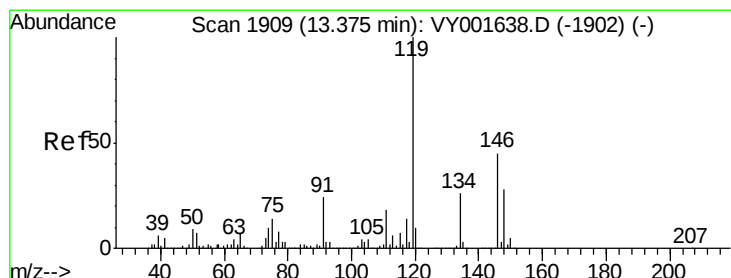
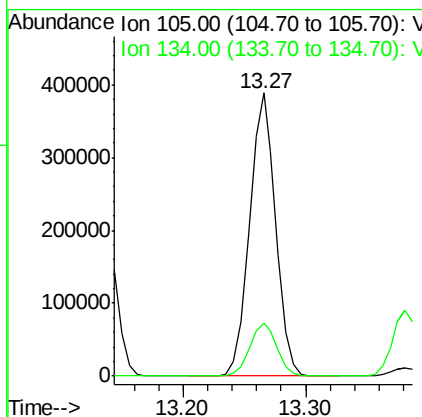
#85
 sec-Butylbenzene
 Concen: 49.823 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tot Ion: 105 Resp: 572275
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

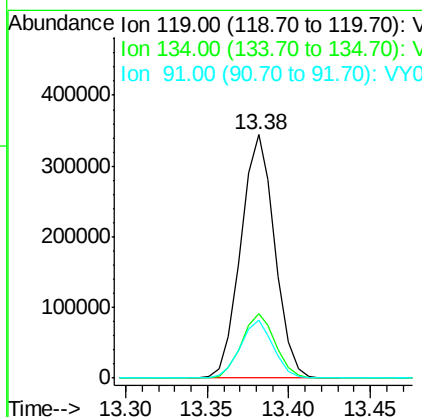
Manual Integrations
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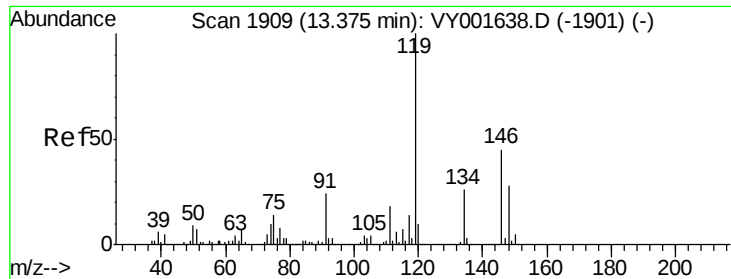
MMDadoda
 2/25/2020 10:53:49 AM



#86
 p-Isopropyltoluene
 Concen: 49.872 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion: 119 Resp: 497639
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 23.1 12.2 36.6





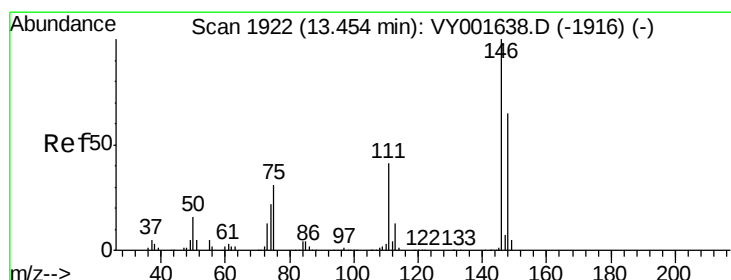
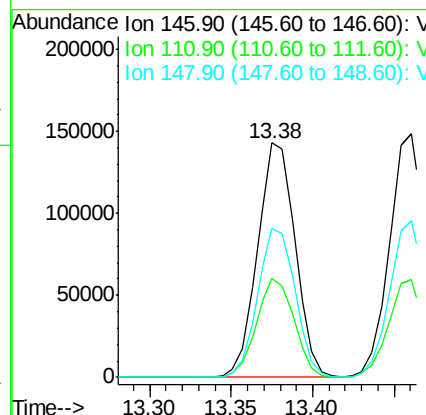
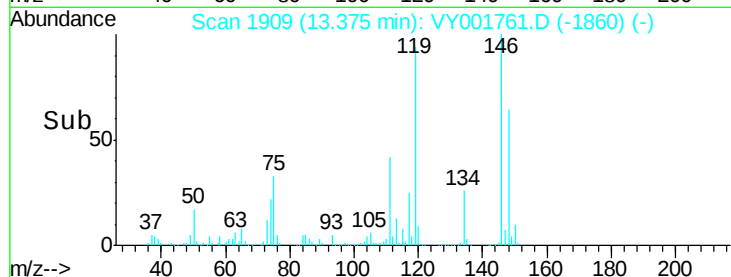
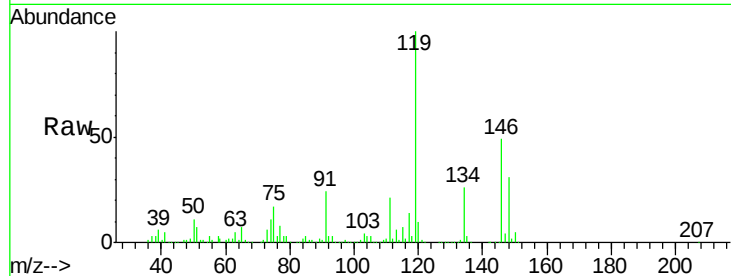
#87
 1,3-Dichlorobenzene
 Concen: 48.435 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	63.5	31.6	94.7

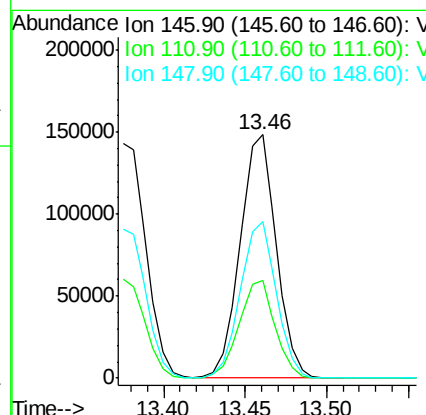
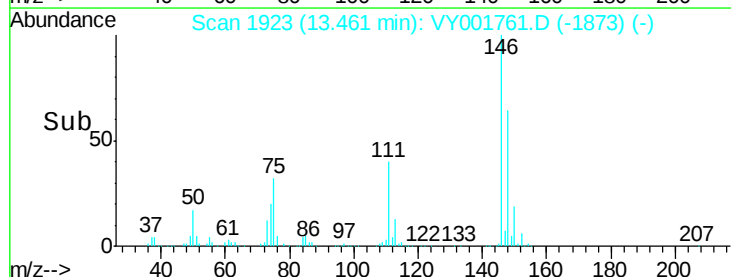
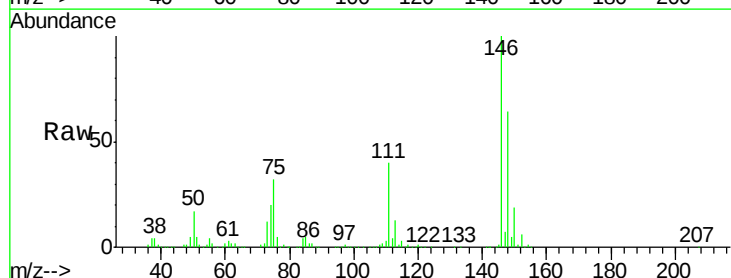
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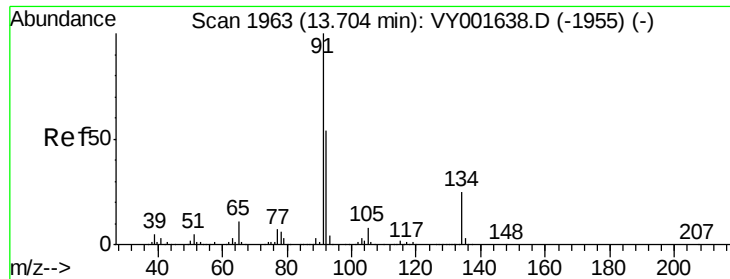
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 2/25/2020 10:53:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.794 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	64.0	31.6	94.7





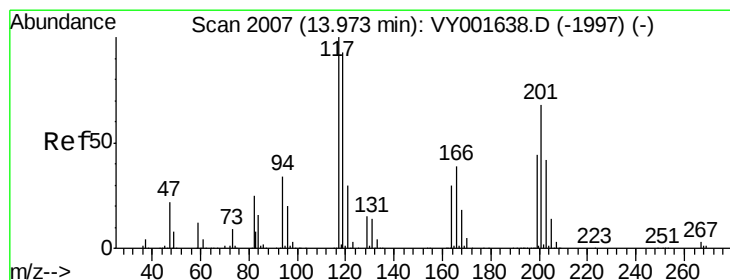
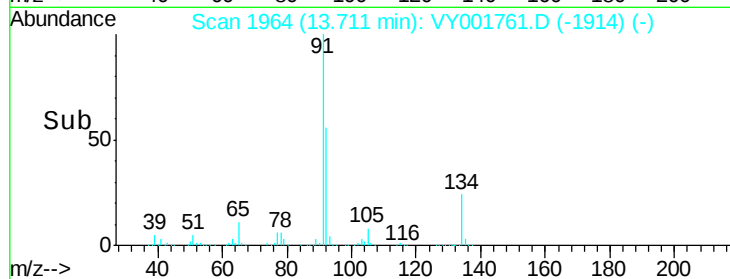
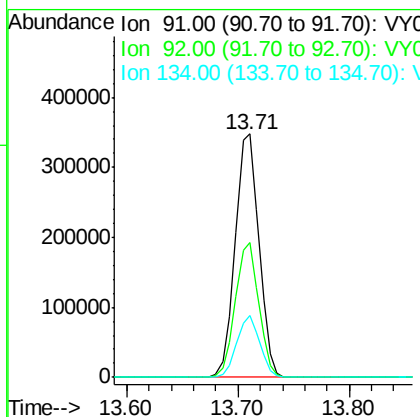
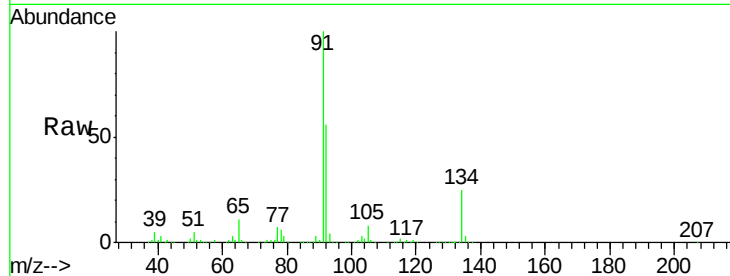
#89
n-Butylbenzene
Concen: 50.347 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	51338		
92	54.6		27.5	82.4
134	24.6		12.4	37.4

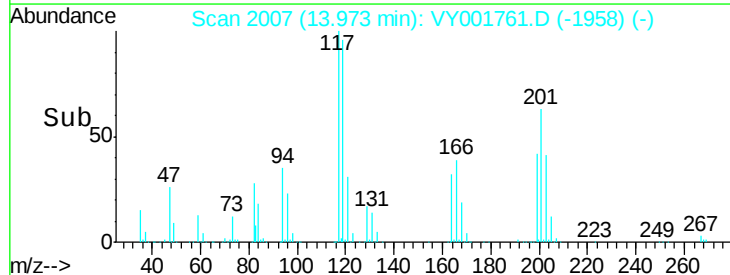
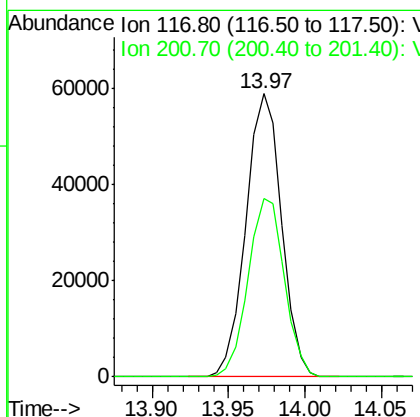
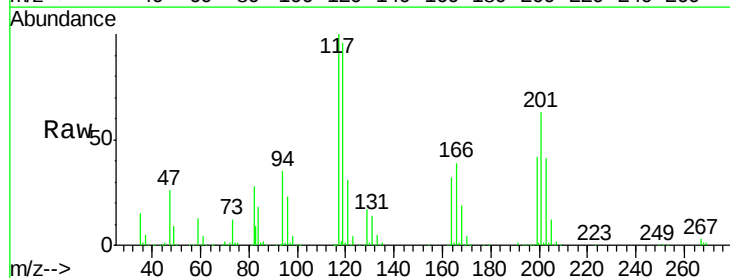
Manual Integrations
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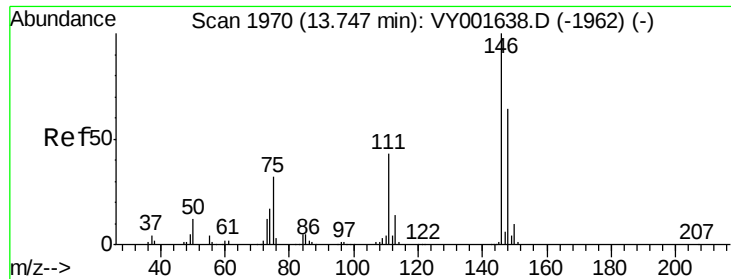
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2/25/2020 10:53:49 AM



#90
Hexachloroethane
Concen: 50.749 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	95409		
201	64.4		32.5	97.4





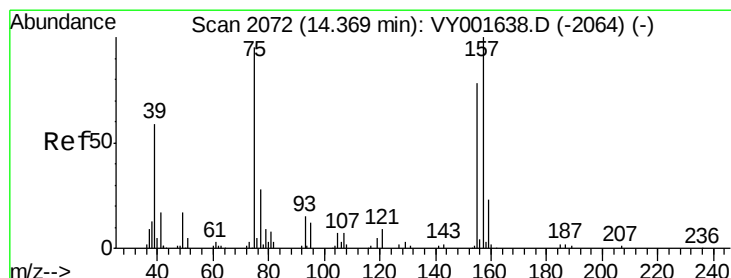
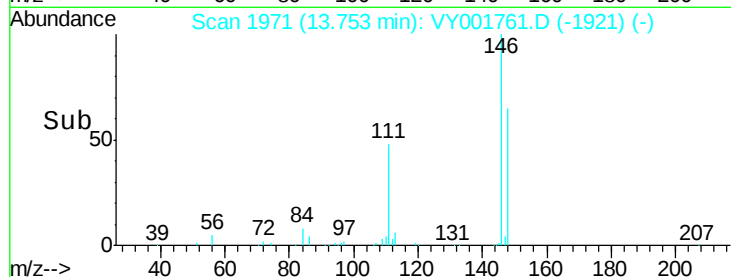
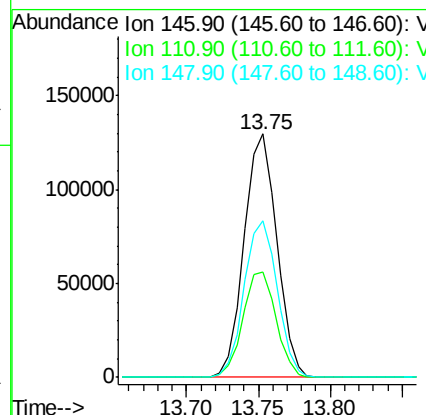
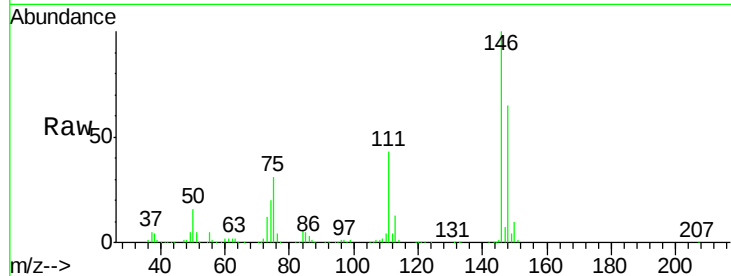
#91
 1,2-Dichlorobenzene
 Concen: 46.675 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.7
148	65.0	31.5	94.5

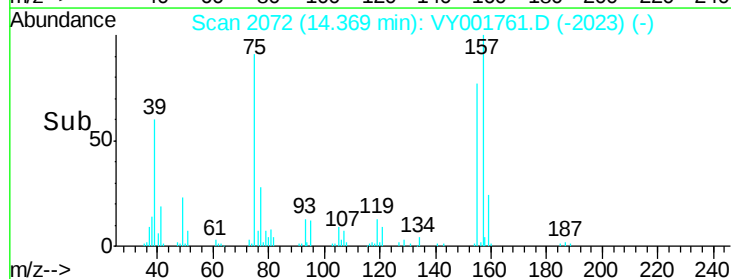
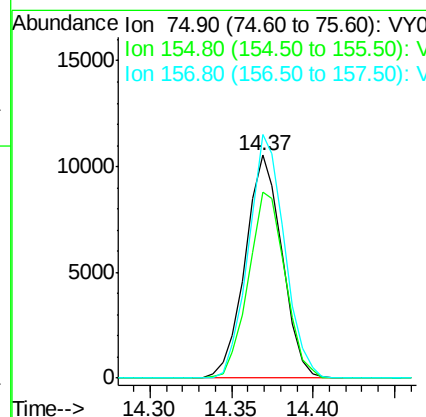
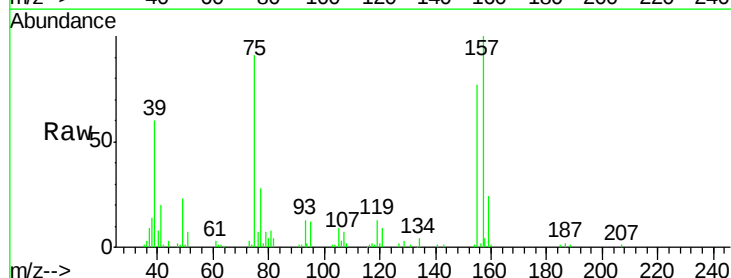
Manual Integrations
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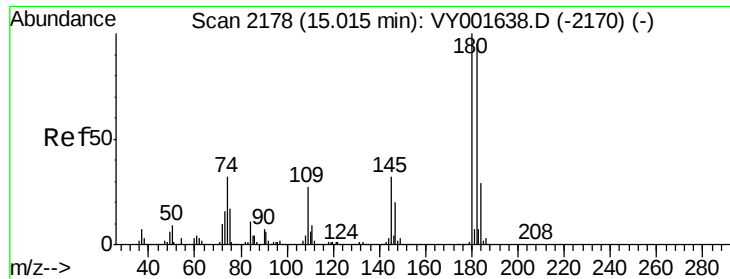
MMDadoda
 2/25/2020 10:53:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.524 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.8	122.4
157	107.0	52.1	156.4





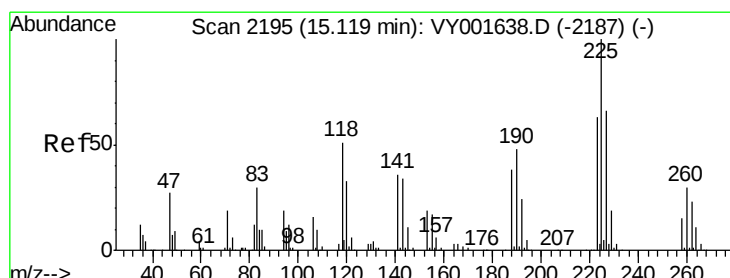
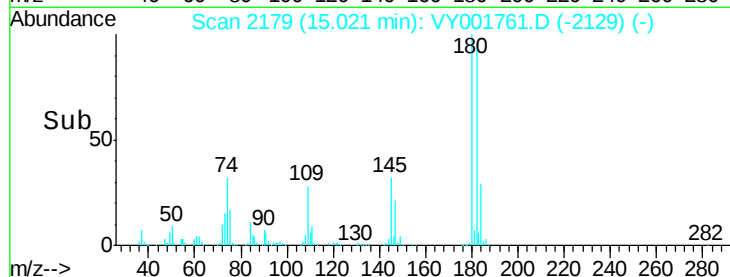
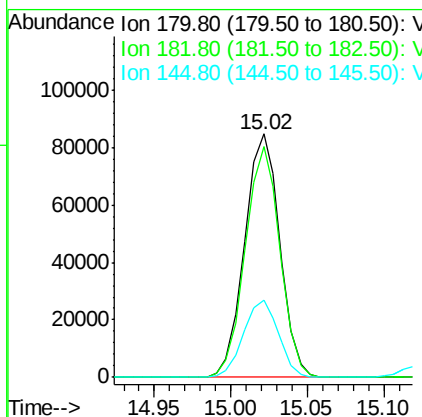
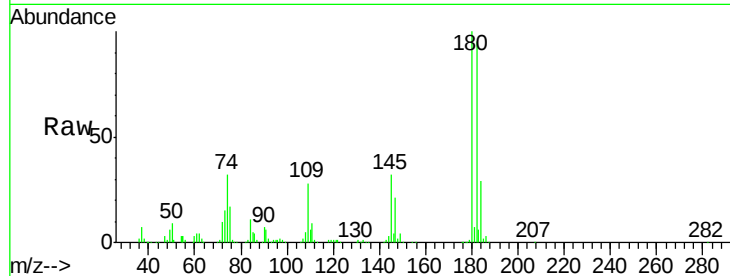
#93
 1,2,4-Trichlorobenzene
 Concen: 46.678 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135383		
182	93.4	46.8	140.3	
145	31.6	16.2	48.5	

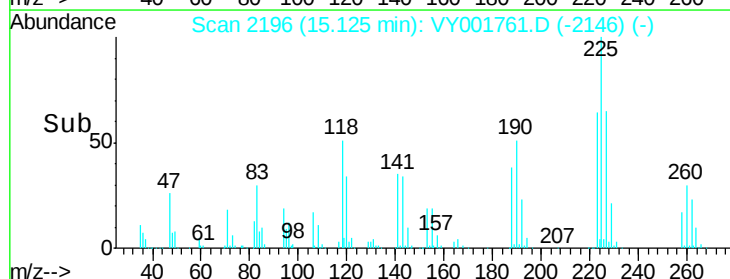
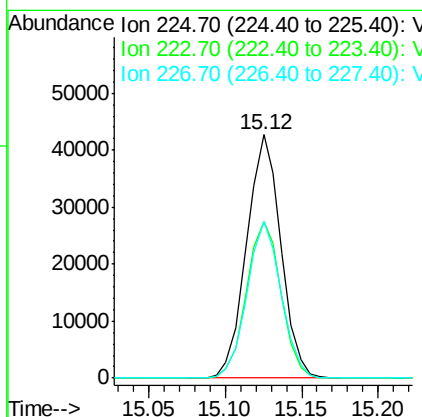
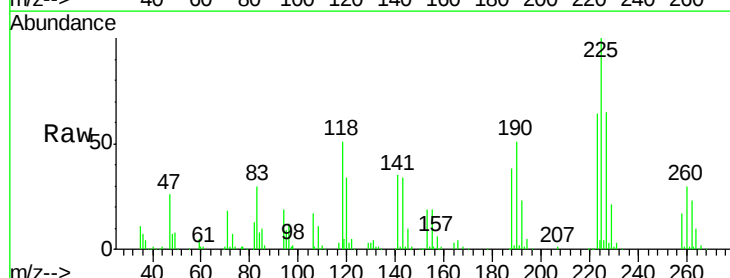
Manual Integrations
 APPROVED

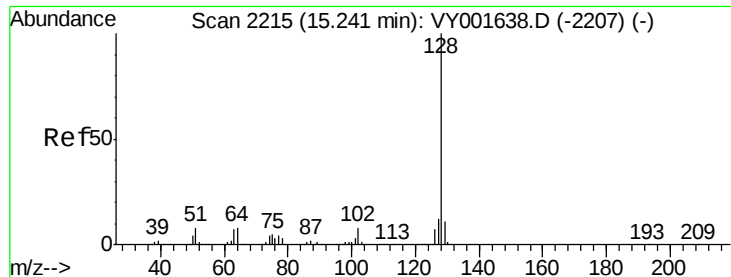
MMDadoda
 2/25/2020 10:53:49 AM



#94
 Hexachlorobutadiene
 Concen: 46.002 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001761.D
 Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66355		
223	64.9	31.4	94.0	
227	63.9	31.6	94.8	





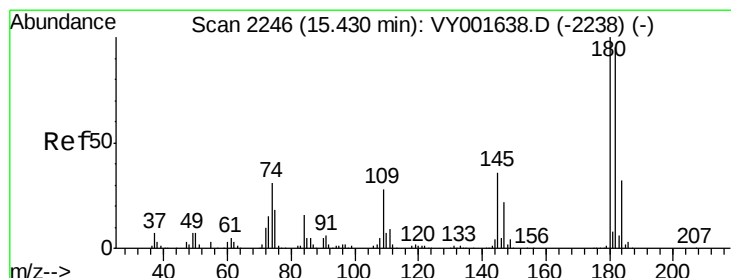
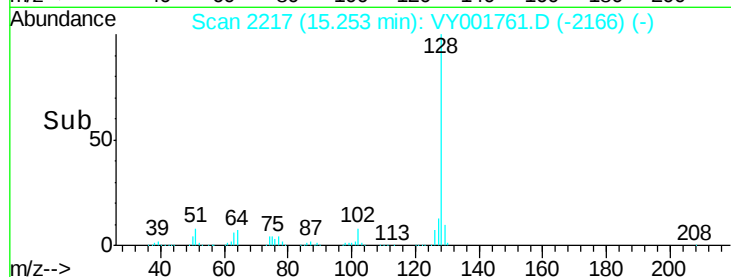
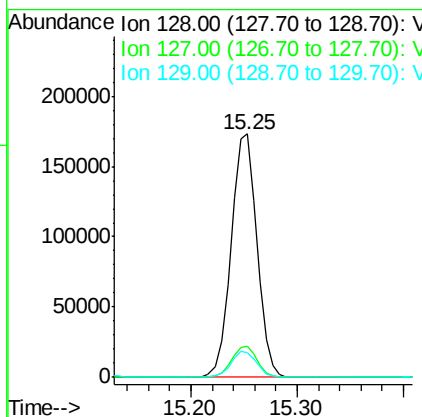
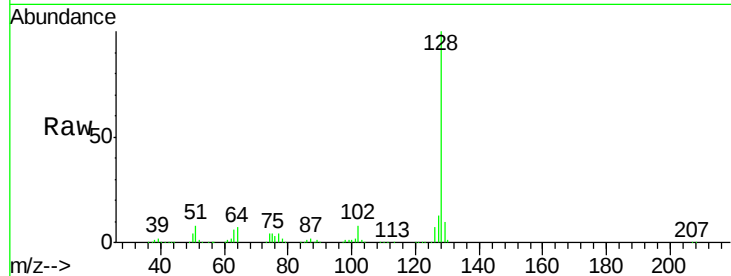
#95
Naphthalene
Concen: 43.987 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	294158		
127	12.7		9.9	14.9
129	10.4		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 10:53:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.675 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001761.D
Acq: 24 Feb 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116548		
182	93.9		47.2	141.6
145	34.4		17.3	52.0

