

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003002.D
 Acq On : 29 Jun 2020 12:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 12:54:08 PM

Quant Time: Jun 29 17:44:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	478532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	697402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	636024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	342069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	247485	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.72	113	227262	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.18	98	850858	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.48	95	298673	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	181775	50.158	ug/l 100
3) Chloromethane	2.12	50	239547	45.138	ug/l 100
4) Vinyl Chloride	2.26	62	257724	49.786	ug/l 100
5) Bromomethane	2.65	94	167943	47.782	ug/l 100
6) Chloroethane	2.80	64	162674	49.398	ug/l 100
7) Trichlorofluoromethane	3.13	101	366878	50.213	ug/l 100
8) Diethyl Ether	3.54	74	125061	49.929	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	217710	49.903	ug/l 100
10) Methyl Iodide	4.10	142	281994	52.128	ug/l 100
11) Tert butyl alcohol	4.96	59	119671	247.068	ug/l 100
12) 1,1-Dichloroethene	3.88	96	205959	49.618	ug/l 100
13) Acrolein	3.74	56	101691	233.757	ug/l 100
14) Allyl chloride	4.49	41	358376	49.449	ug/l 100
15) Acrylonitrile	5.18	53	328988	254.848	ug/l 100
16) Acetone	3.95	43	295348	263.484	ug/l 100
17) Carbon Disulfide	4.20	76	662628	49.963	ug/l 100
18) Methyl Acetate	4.49	43	149254	49.422	ug/l 100
19) Methyl tert-butyl Ether	5.22	73	615599	50.878	ug/l 100
20) Methylene Chloride	4.72	84	251061	40.129	ug/l 100
21) trans-1,2-Dichloroethene	5.23	96	230093	49.005	ug/l 100
22) Diisopropyl ether	6.13	45	771774	49.685	ug/l 100
23) Vinyl Acetate	6.07	43	2654998	255.656	ug/l 100
24) 1,1-Dichloroethane	6.03	63	419149	49.398	ug/l 100
25) 2-Butanone	6.99	43	458694	257.605	ug/l 100
26) 2,2-Dichloropropane	6.99	77	375998	48.773	ug/l 100
27) cis-1,2-Dichloroethene	6.99	96	258368	49.060	ug/l 100
28) Bromochloromethane	7.35	49	199741	52.906	ug/l 100
29) Tetrahydrofuran	7.35	42	306318	258.690	ug/l 100
30) Chloroform	7.52	83	415916	49.478	ug/l 100
31) Cyclohexane	7.79	56	398509	47.674	ug/l 100
32) 1,1,1-Trichloroethane	7.71	97	377371	49.181	ug/l 100
36) 1,1-Dichloropropene	7.93	75	334660	49.818	ug/l 100
37) Ethyl Acetate	7.08	43	208652	51.659	ug/l 100
38) Carbon Tetrachloride	7.91	117	350440	50.140	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	420426	50.478	ug/l	100
40) Benzene	8.16	78	916889	49.855	ug/l	100
41) Methacrylonitrile	7.33	41	125971m	25.428	ug/l	
42) 1,2-Dichloroethane	8.24	62	294014	50.534	ug/l	100
43) Isopropyl Acetate	8.28	43	400055	52.101	ug/l	100
44) Trichloroethene	8.94	130	265724	49.710	ug/l	100
45) 1,2-Dichloropropane	9.22	63	245481	49.613	ug/l	100
46) Dibromomethane	9.31	93	138573	50.145	ug/l	100
47) Bromodichloromethane	9.50	83	338616	50.041	ug/l	100
48) Methyl methacrylate	9.30	41	180810	51.734	ug/l	100
49) 1,4-Dioxane	9.30	88	33433	991.084	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	1032906	260.268	ug/l	100
52) Toluene	10.24	92	575622	49.720	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	360401	50.800	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	409405	50.459	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	196736	51.232	ug/l	100
56) Ethyl methacrylate	10.51	69	291026	52.354	ug/l	100
57) 1,3-Dichloropropane	10.79	76	338105	50.154	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	777420	272.690	ug/l	100
59) 2-Hexanone	10.83	43	728503	262.625	ug/l	100
60) Dibromochloromethane	10.99	129	248704	50.608	ug/l	100
61) 1,2-Dibromoethane	11.09	107	190310	50.269	ug/l	100
64) Tetrachloroethene	10.72	164	271696	50.473	ug/l	100
65) Chlorobenzene	11.52	112	623442	49.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	246599	50.364	ug/l	100
67) Ethyl Benzene	11.59	91	1139140	49.650	ug/l	100
68) m/p-Xylenes	11.70	106	860706	100.796	ug/l	100
69) o-Xylene	12.03	106	403954	50.202	ug/l	100
70) Styrene	12.04	104	696282	50.651	ug/l	100
71) Bromoform	12.20	173	169734	51.988	ug/l	100
73) Isopropylbenzene	12.33	105	1104494	49.336	ug/l	100
74) N-amyl acetate	12.14	43	372394	51.097	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	224121	49.609	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	170891m	29.228	ug/l	
77) Bromobenzene	12.61	156	281587	49.057	ug/l	100
78) n-propylbenzene	12.67	91	1330877	49.432	ug/l	100
79) 2-Chlorotoluene	12.75	91	738740	49.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	930201	49.516	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	88840	51.056	ug/l	100
82) 4-Chlorotoluene	12.85	91	775522	49.565	ug/l	100
83) tert-Butylbenzene	13.08	119	820207	49.723	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	936988	49.498	ug/l	100
85) sec-Butylbenzene	13.25	105	1131457	49.764	ug/l	100
86) p-Isopropyltoluene	13.37	119	1051995	49.933	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	533019	49.739	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	524960	49.678	ug/l	100
89) n-Butylbenzene	13.69	91	1013096	50.259	ug/l	100
90) Hexachloroethane	13.96	117	208136	49.752	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	482320	50.164	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	41379	51.740	ug/l	100

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Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:26:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	356606	49.914	ug/l	100
94) Hexachlorobutadiene	15.11	225	224085	49.725	ug/l	100
95) Naphthalene	15.23	128	672167	51.509	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	315700	50.888	ug/l	100

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

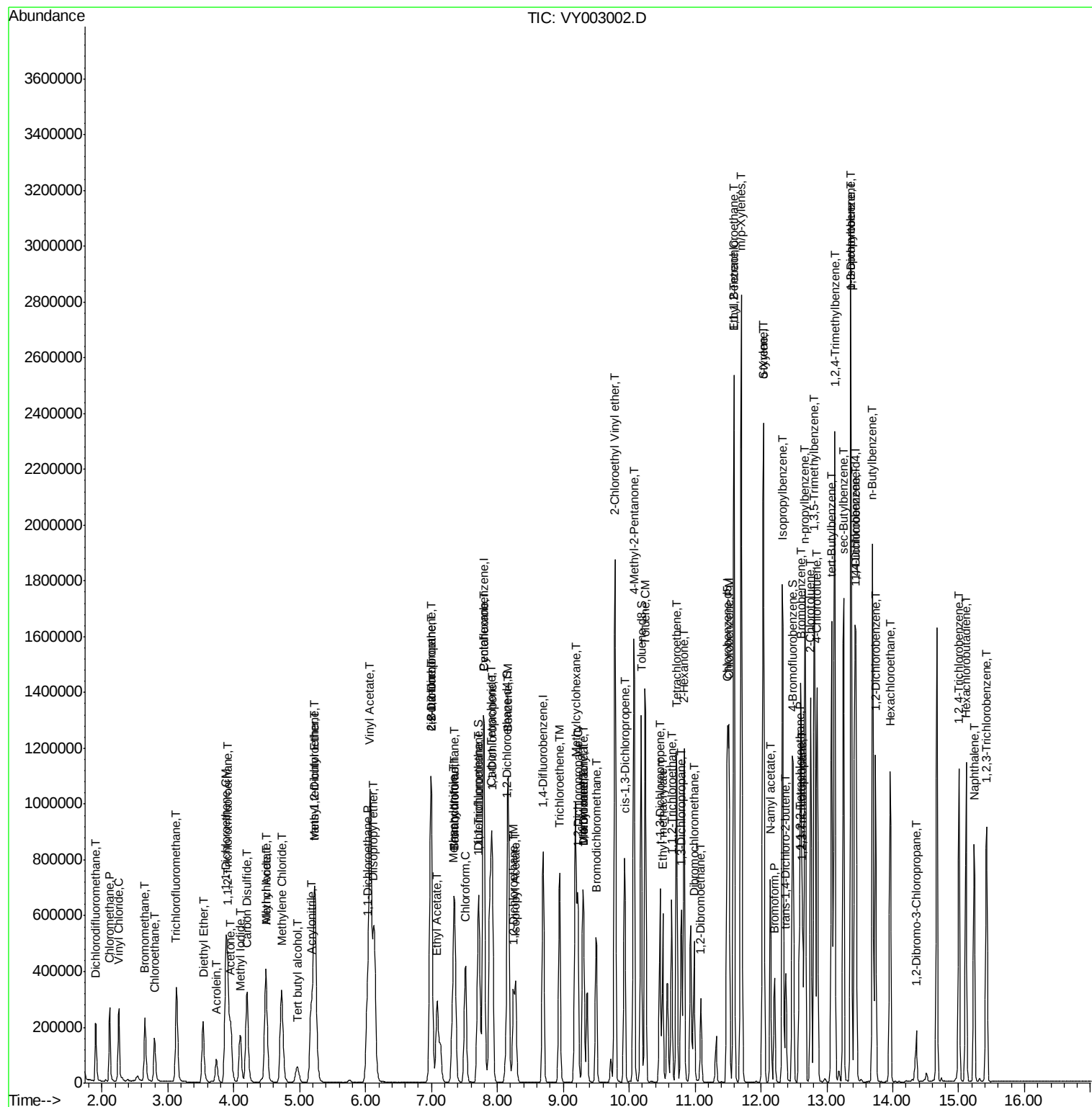
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003002.D
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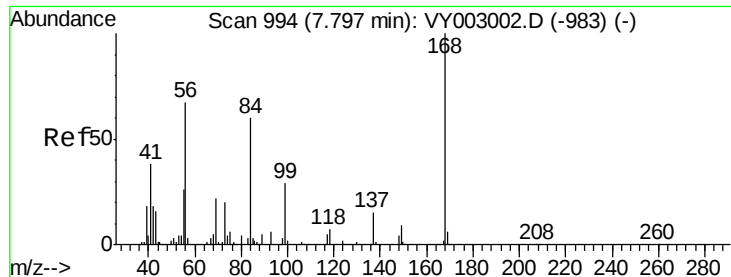
Instrument :
 MSVOA_Y
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 478532

Ion Ratio Lower Upper

168 100

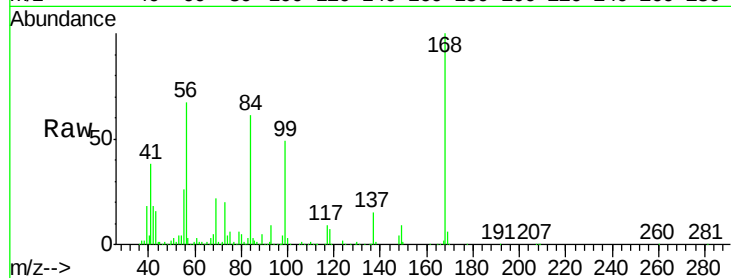
99 49.0 39.2 58.8

Manual Integrations

APPROVED

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6/30/2020 12:54:08 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

250000

200000

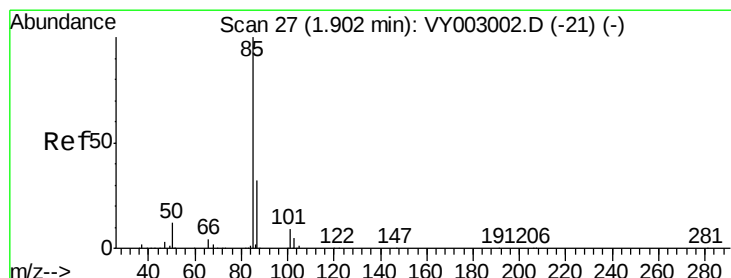
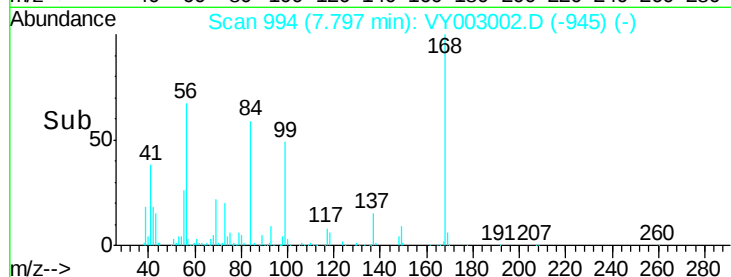
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.158 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003002.D

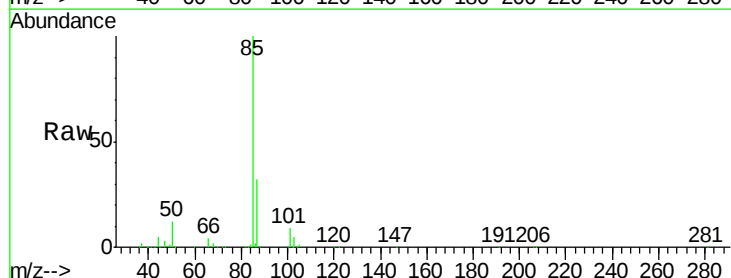
Acq: 29 Jun 2020 12:17

Tgt Ion: 85 Resp: 181775

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

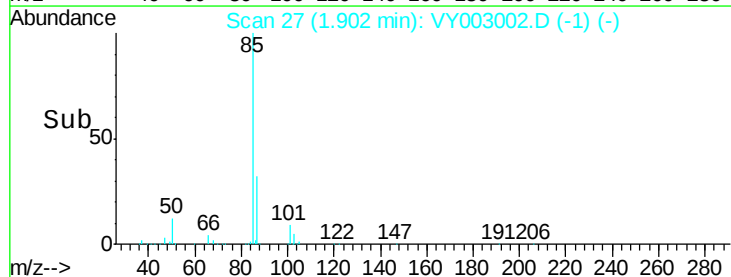
1.90

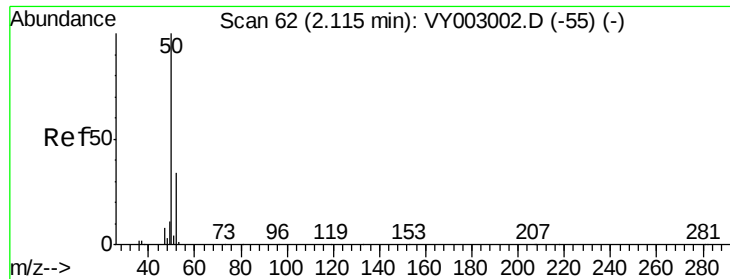
100000

50000

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Time-->





#3

Chloromethane

Concen: 45.138 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 239547

Ion Ratio Lower Upper

50 100

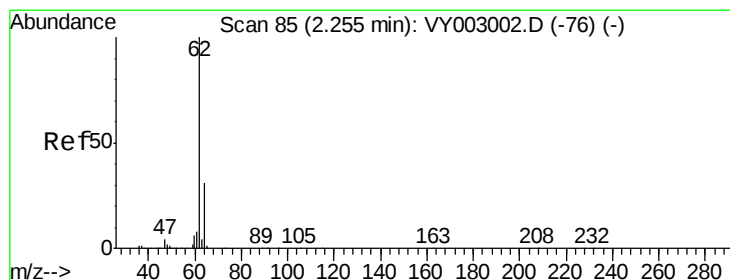
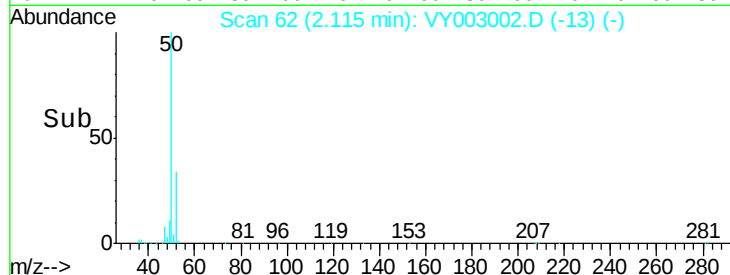
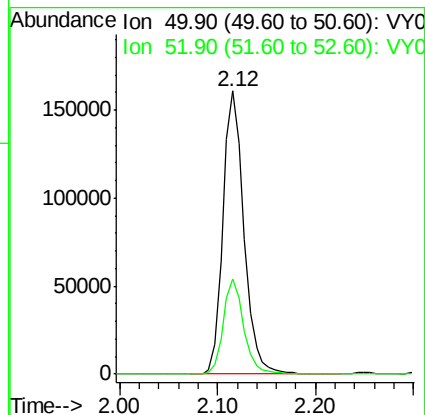
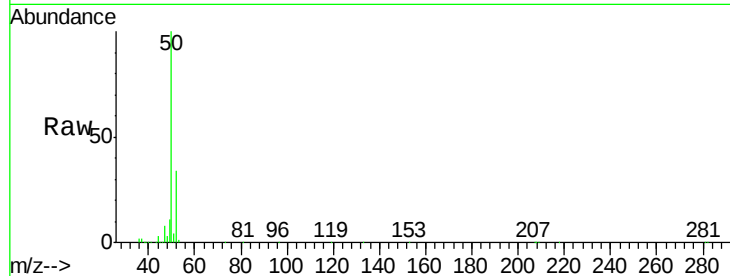
52 33.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.786 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY003002.D

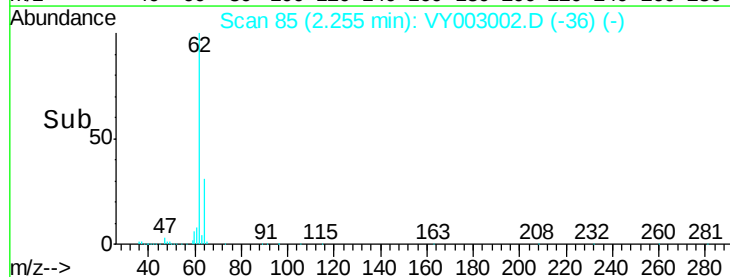
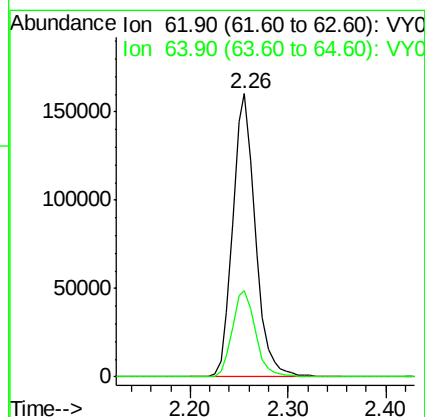
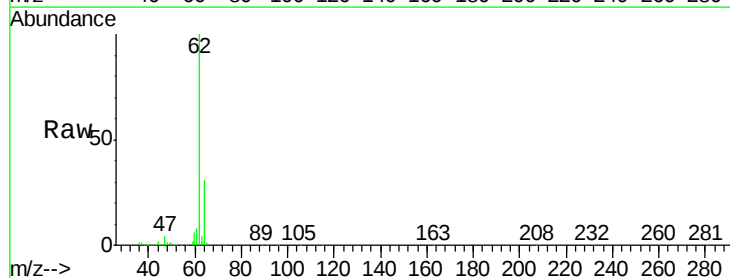
Acq: 29 Jun 2020 12:17

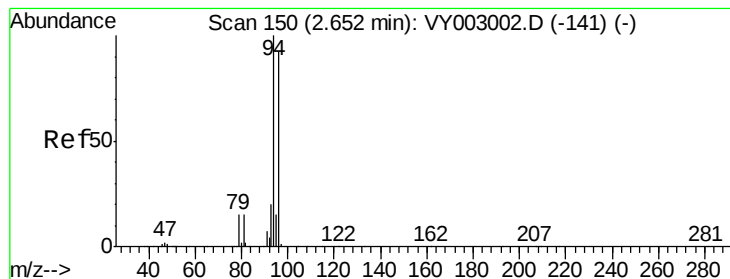
Tgt Ion: 62 Resp: 257724

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 47.782 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 167943

Ion Ratio Lower Upper

94 100

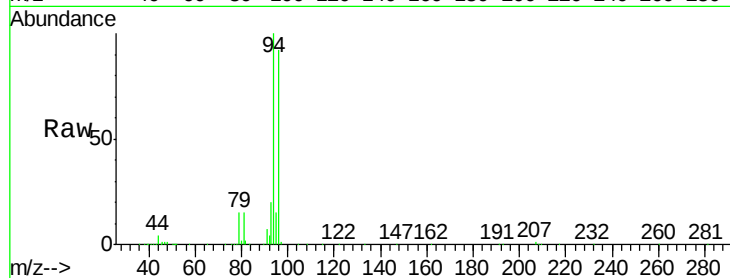
96 91.8 73.4 110.2

Manual Integrations

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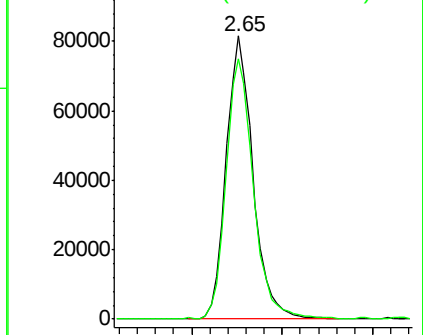
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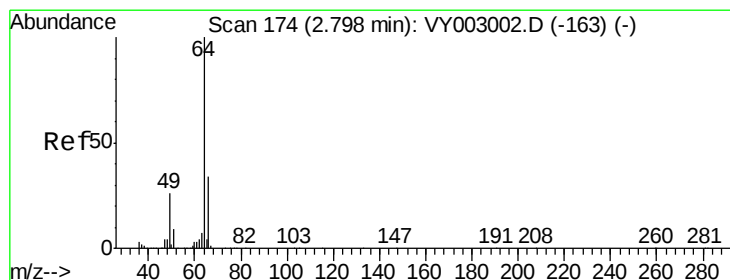
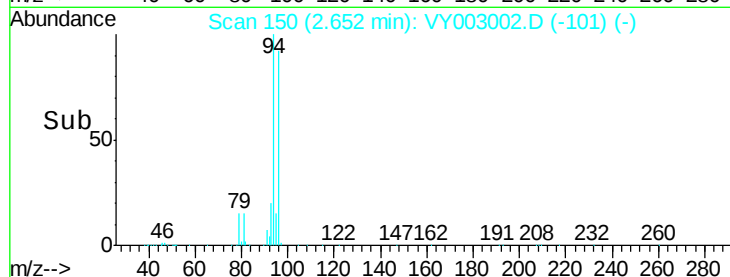


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 49.398 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY003002.D

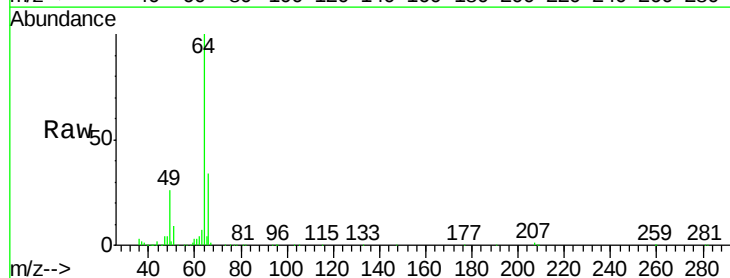
Acq: 29 Jun 2020 12:17

Tgt Ion: 64 Resp: 162674

Ion Ratio Lower Upper

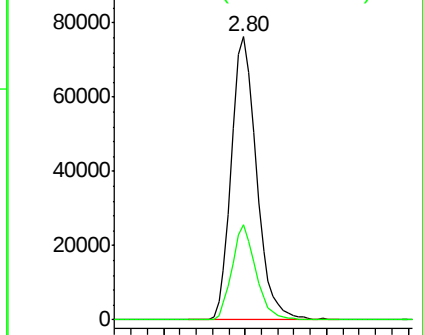
64 100

66 33.7 27.0 40.4

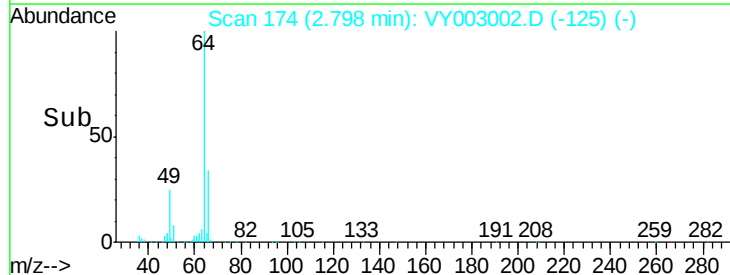


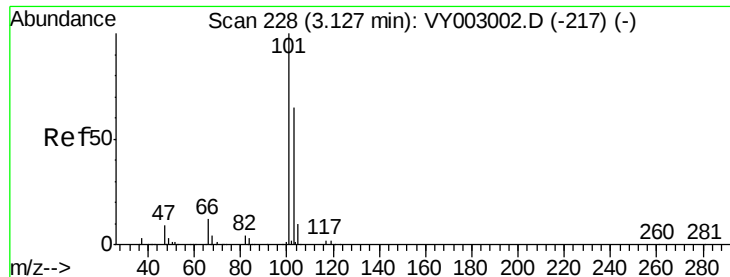
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

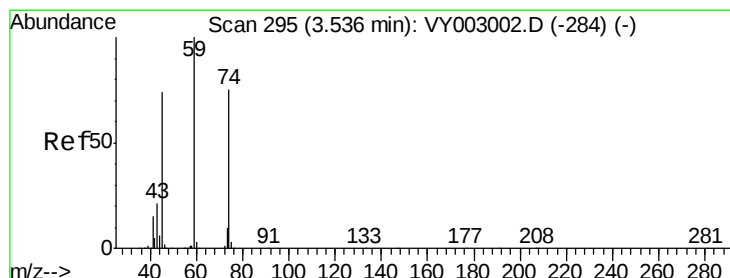
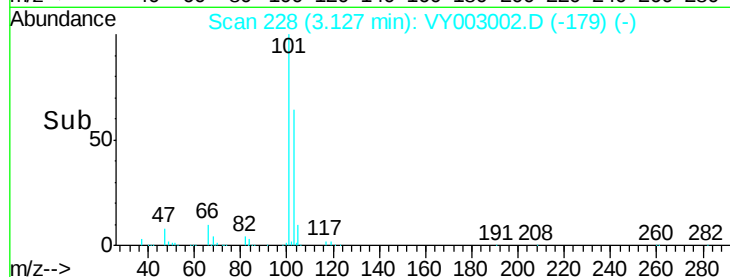
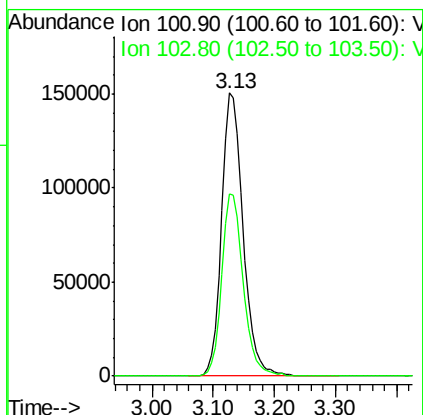
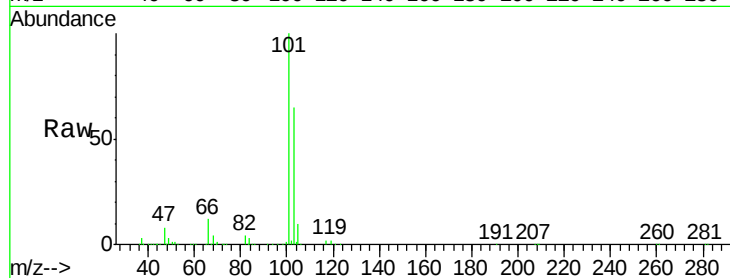
Trichlorofluoromethane
Concen: 50.213 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

Manual Integrations
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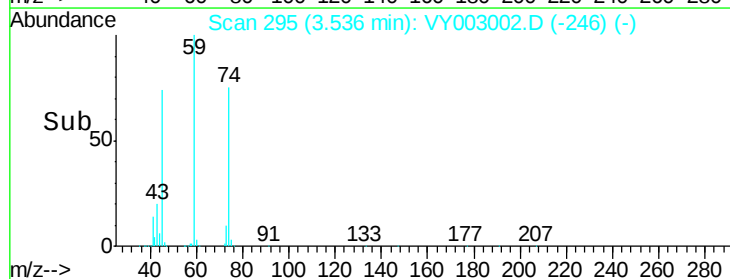
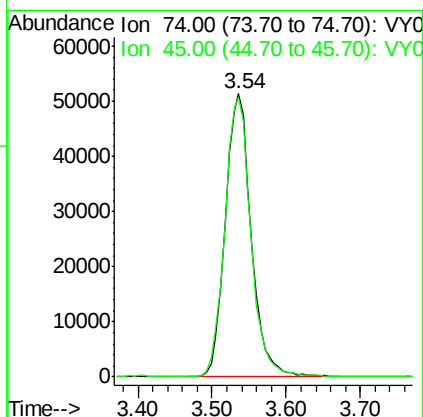
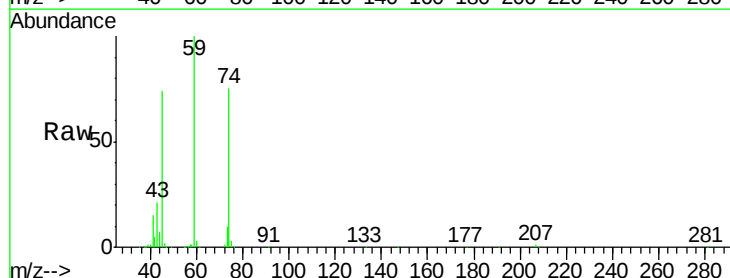
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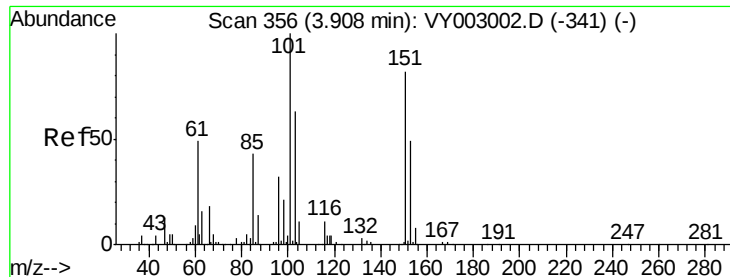


#8

Diethyl Ether
Concen: 49.929 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.903 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

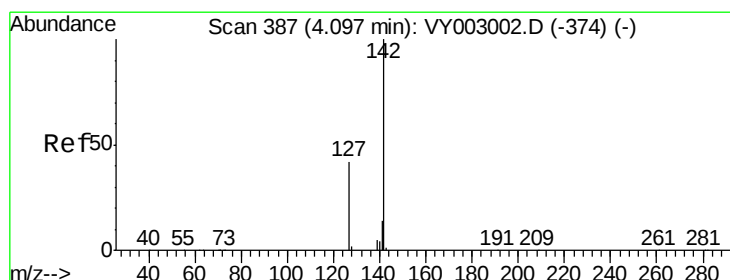
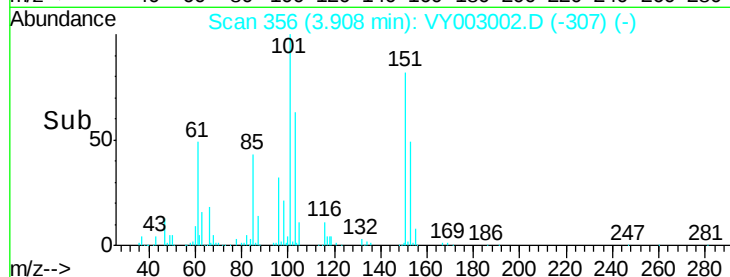
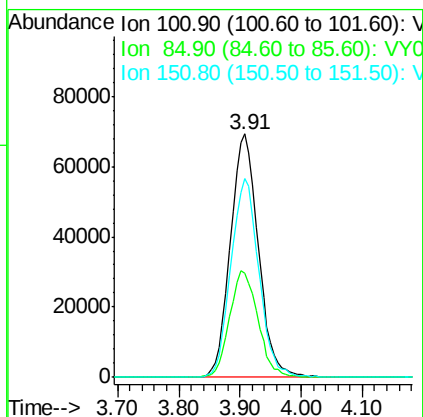
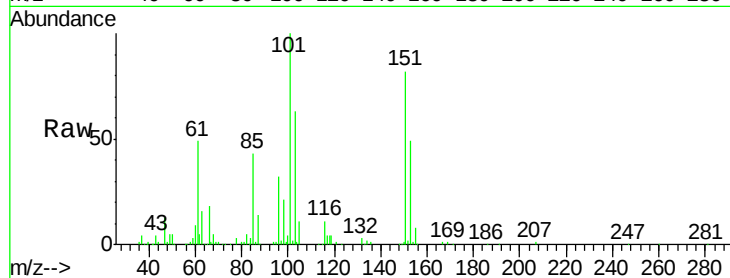
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	217710
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	81.9	65.5	98.3

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#10

Methyl Iodide

Concen: 52.128 ug/l

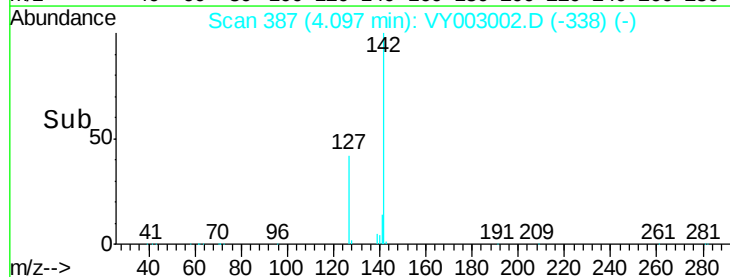
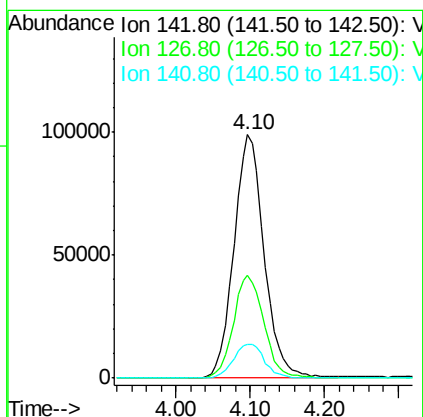
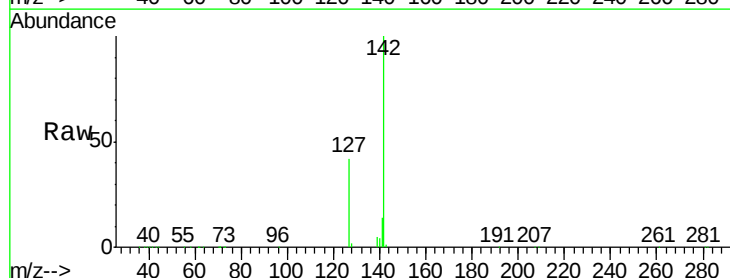
RT: 4.10 min Scan# 387

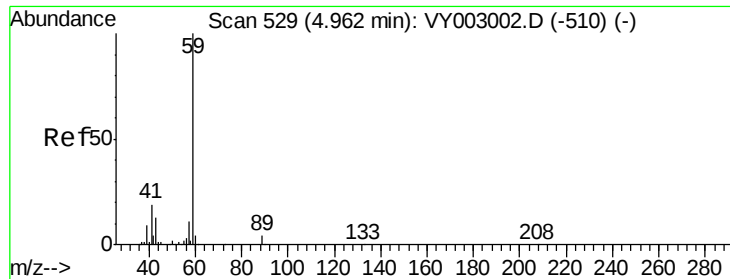
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	142	Resp:	281994
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	14.6	11.7	17.5





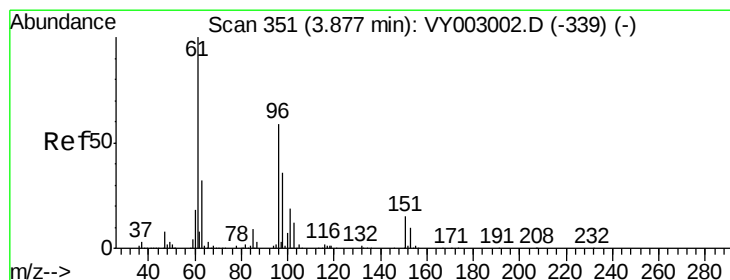
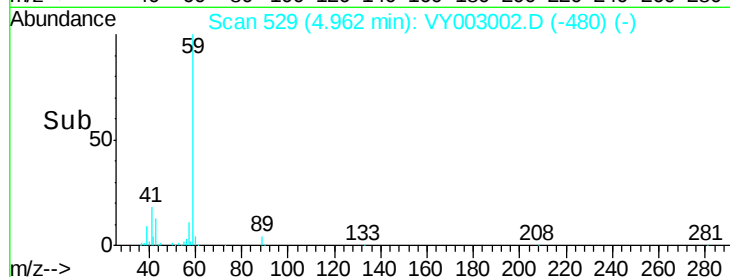
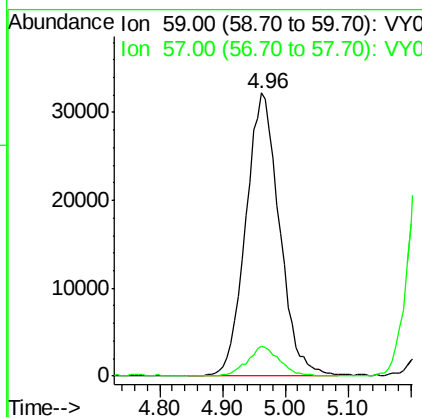
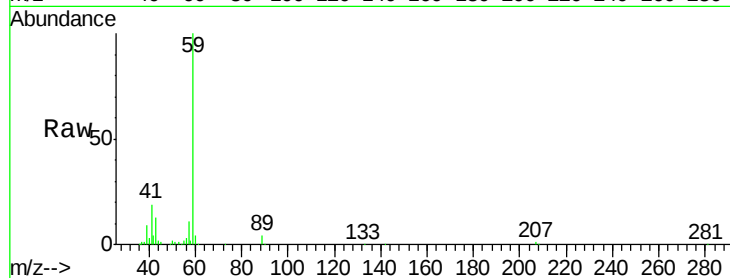
#11
Tert butyl alcohol
Concen: 247.068 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

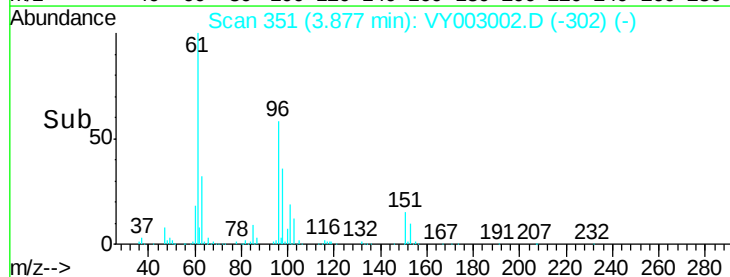
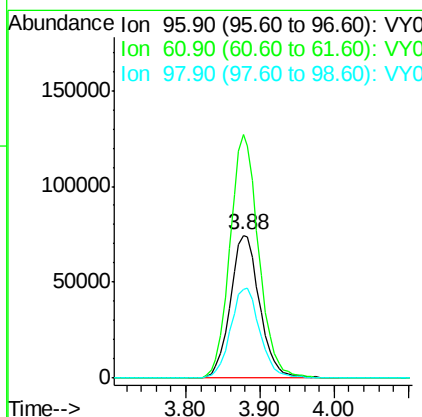
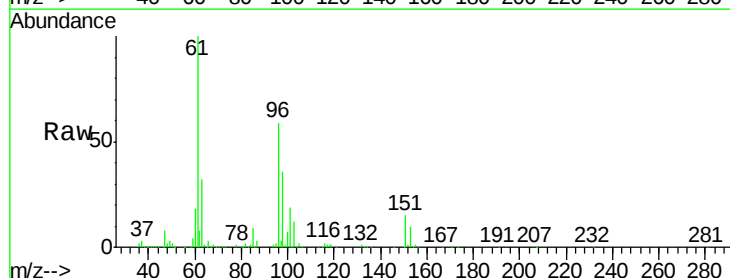
Manual Integrations
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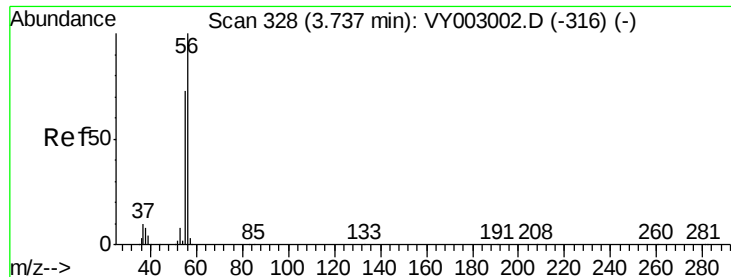
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.618 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	136.7	205.1
98	62.1	49.7	74.5





#13

Acrolein

Concen: 233.757 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 101691

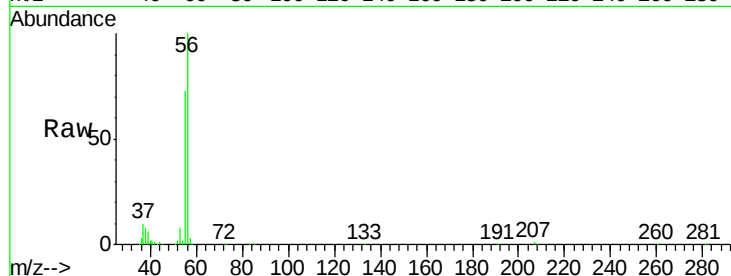
Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6

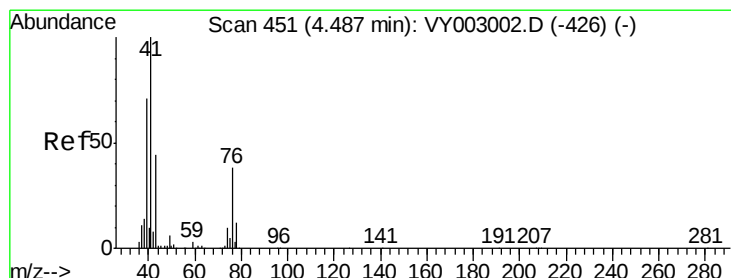
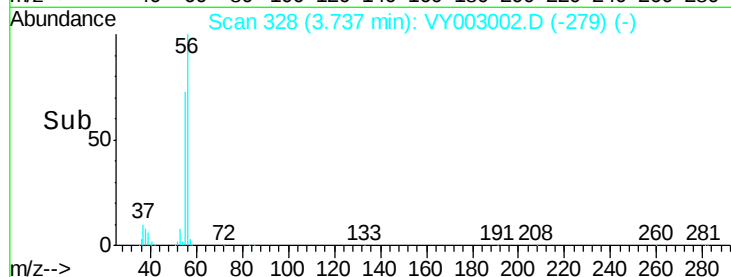
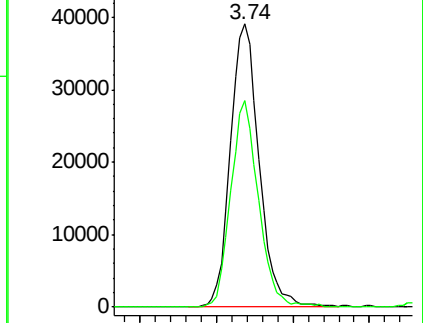
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 49.449 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

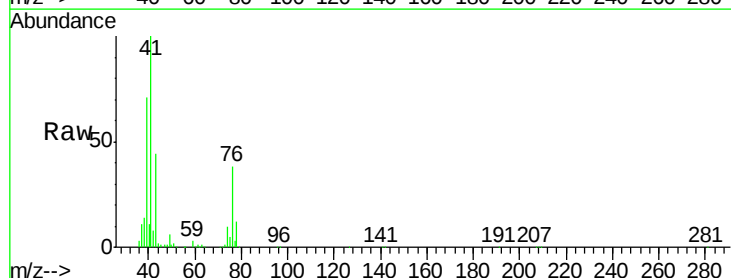
Tgt Ion: 41 Resp: 358376

Ion Ratio Lower Upper

41 100

39 69.5 55.6 83.4

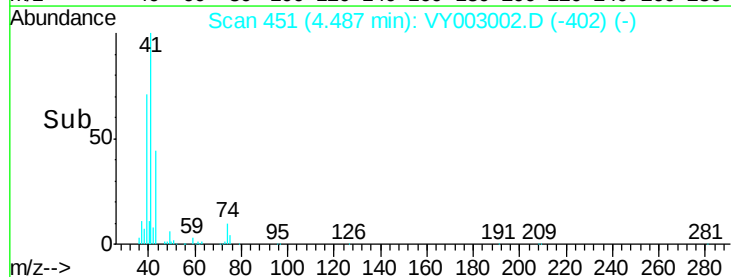
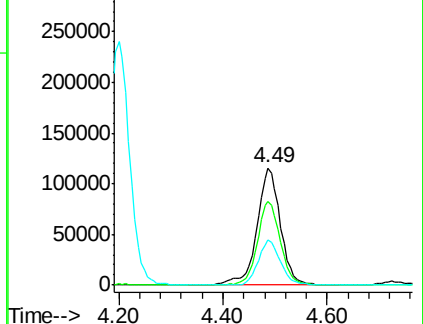
76 35.8 28.6 43.0

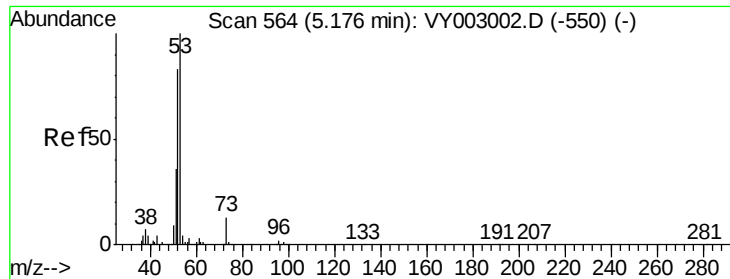


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 254.848 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

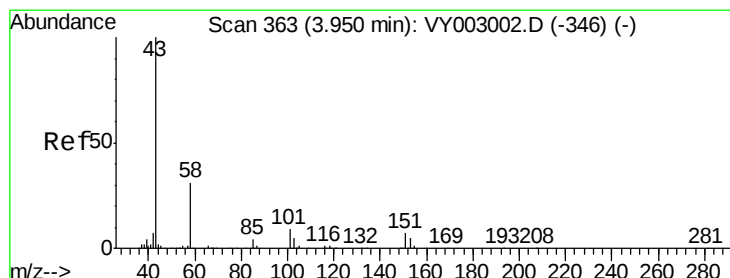
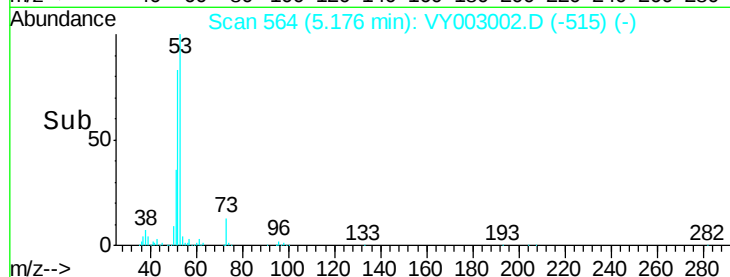
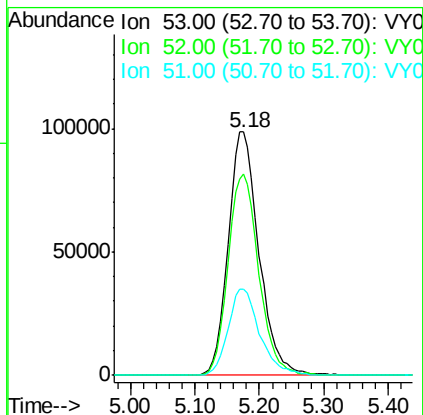
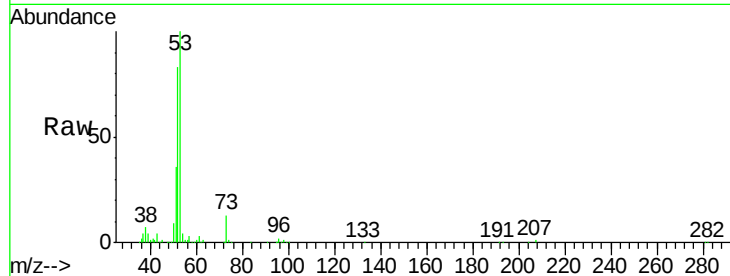
ClientSampleId :

VSTDICCC050

Tot Ion	53	Resp	328988
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.2
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 263.484 ug/l

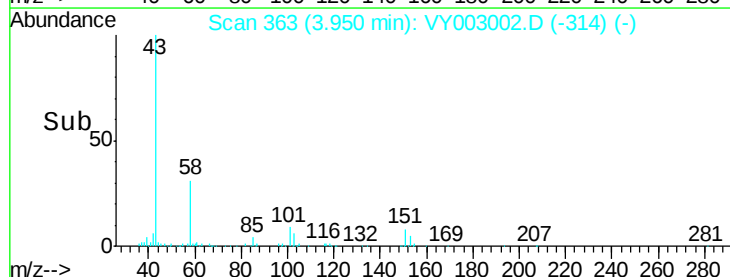
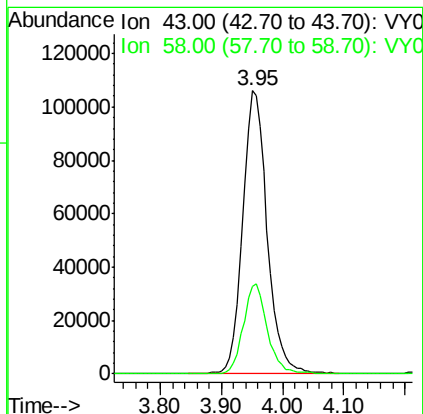
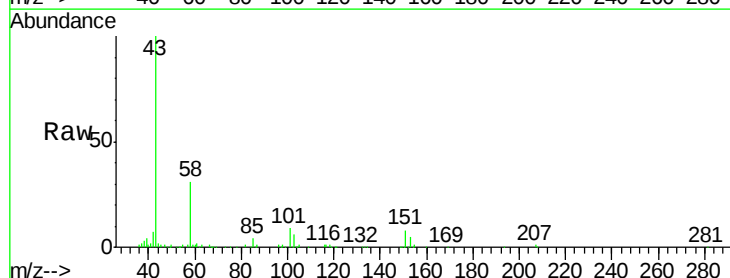
RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion	43	Resp	295348
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.7	37.1





#17

Carbon Disulfide

Concen: 49.963 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 662628

Ion Ratio Lower Upper

76 100

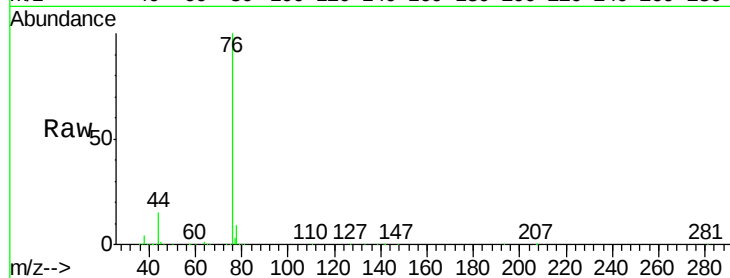
78 8.8 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

250000

200000

150000

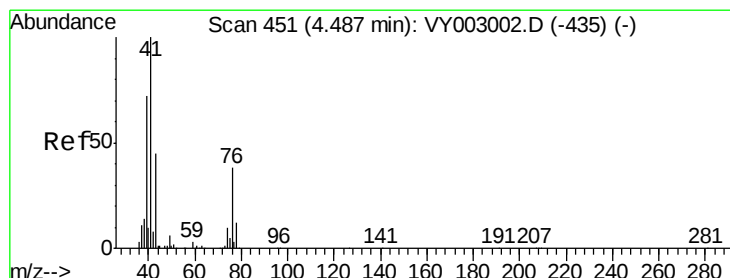
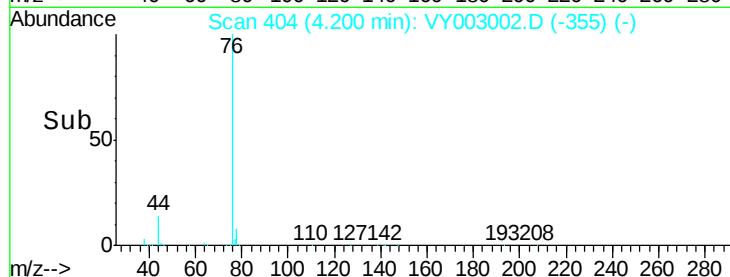
100000

50000

0

4.00 4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 49.422 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003002.D

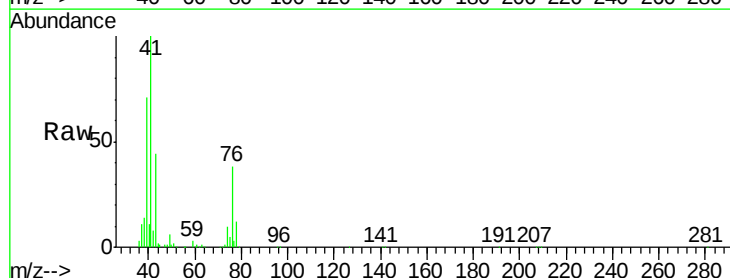
Acq: 29 Jun 2020 12:17

Tgt Ion: 43 Resp: 149254

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

60000

50000

40000

30000

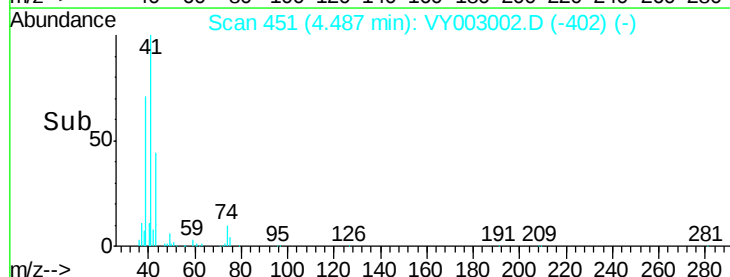
20000

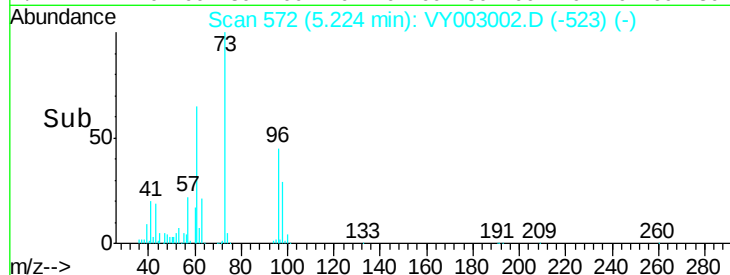
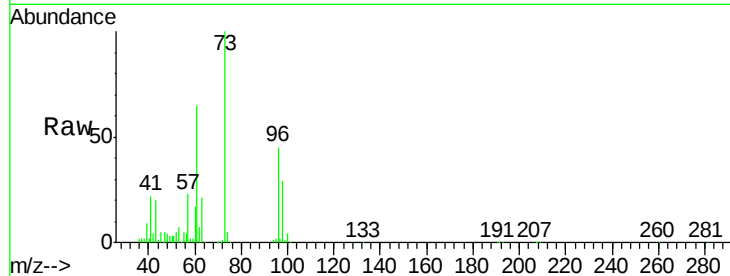
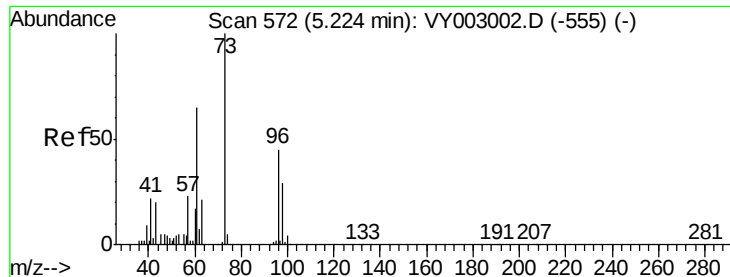
10000

0

4.30 4.40 4.50 4.60 4.70

Time-->





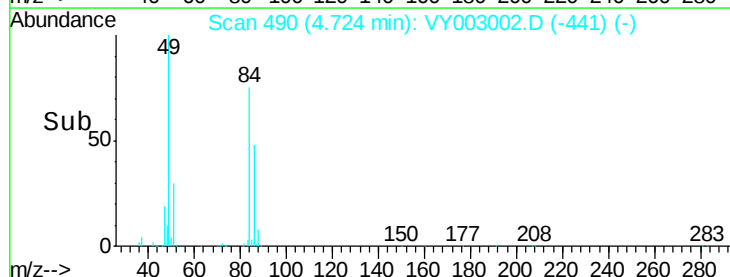
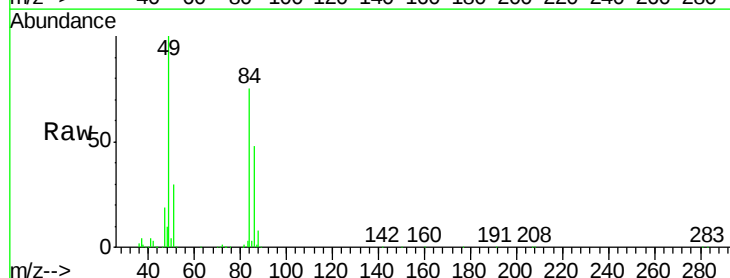
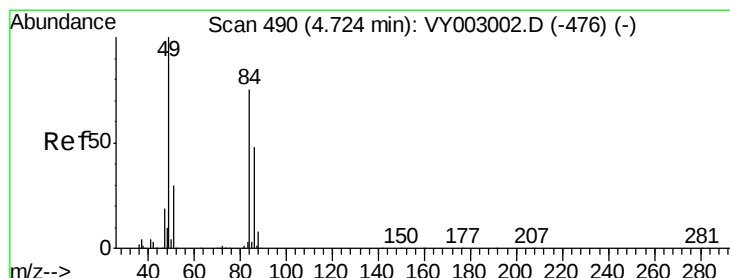
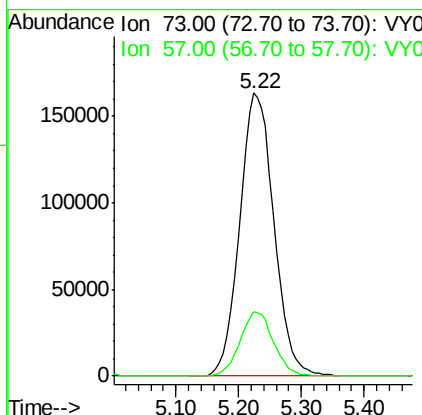
#19
Methvl tert-butvl Ether
Concen: 50.878 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

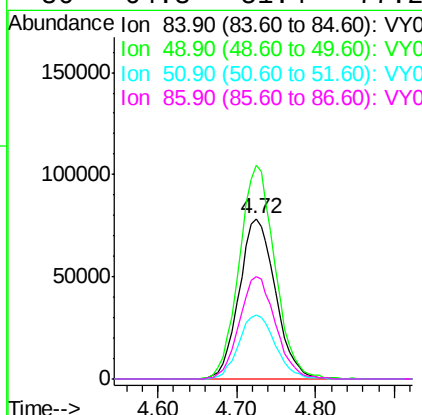
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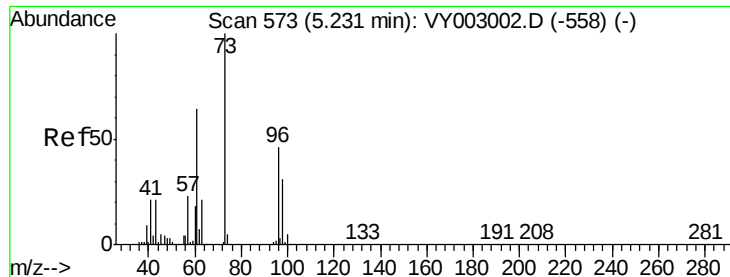
MMDadoda
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#20
Methylene Chloride
Concen: 40.129 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	106.8	160.2
51	40.0	32.0	48.0
86	64.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 49.005 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 230093

Ion Ratio Lower Upper

96 100

61 140.4 112.3 168.5

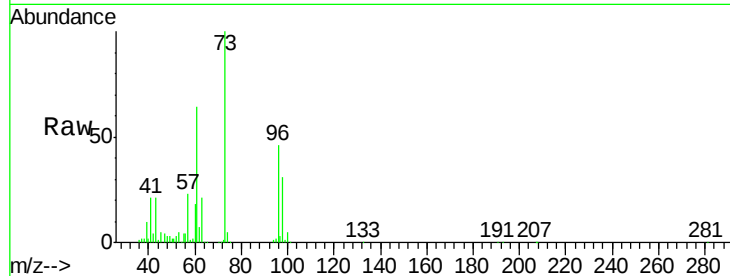
98 67.3 53.8 80.8

Manual Integrations

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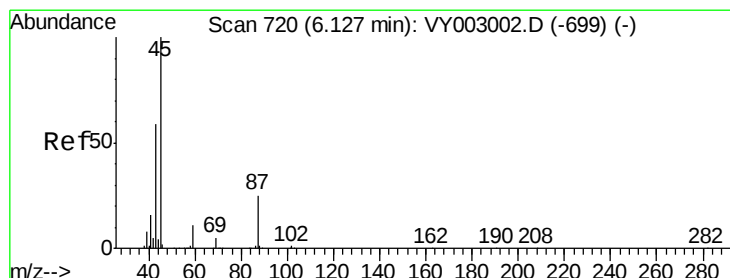
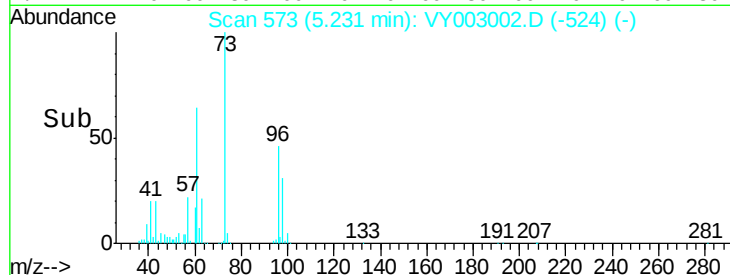
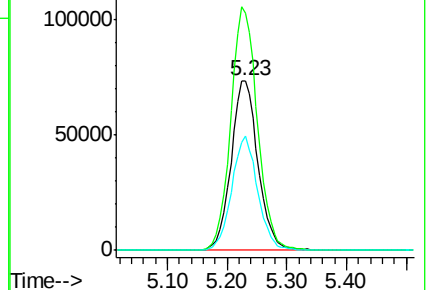
6/30/2020 12:54:08 PM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 49.685 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion: 45 Resp: 771774

Ion Ratio Lower Upper

45 100

43 59.3 47.4 71.2

87 25.2 20.2 30.2

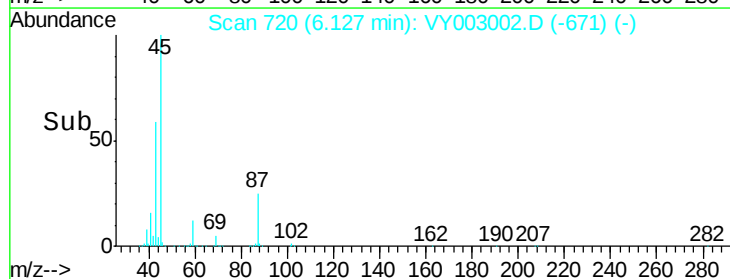
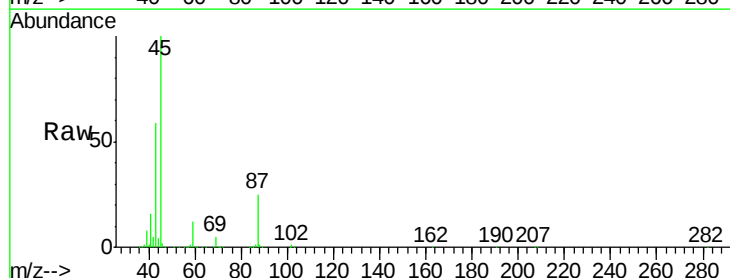
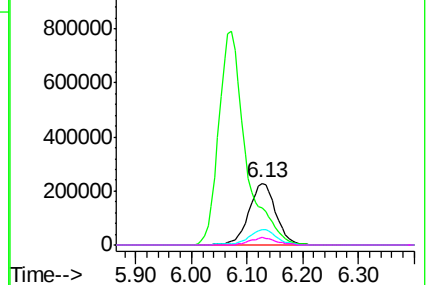
59 11.5 9.2 13.8

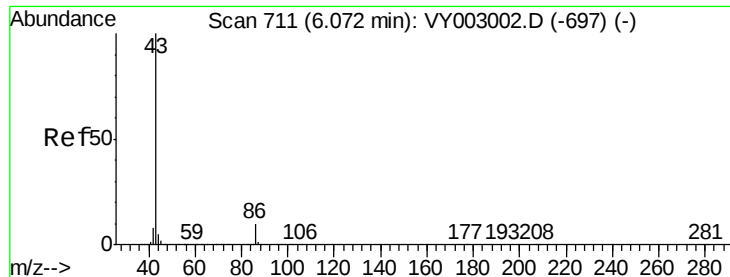
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 255.656 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2654998

Ion Ratio Lower Upper

43 100

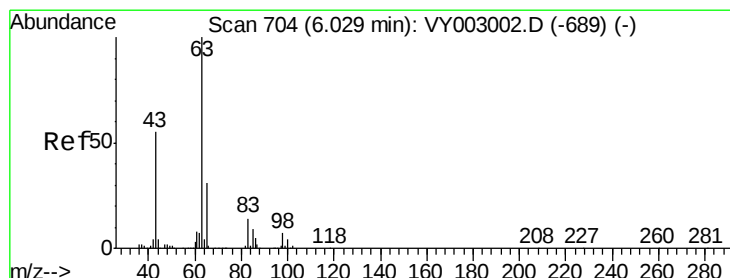
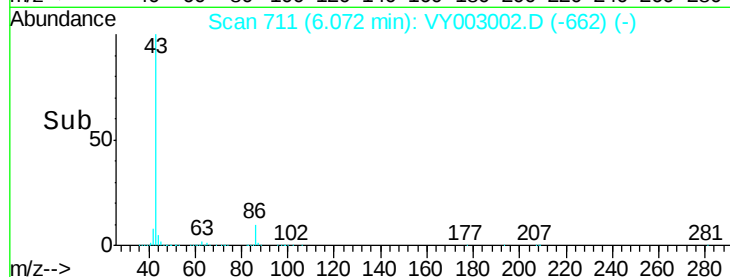
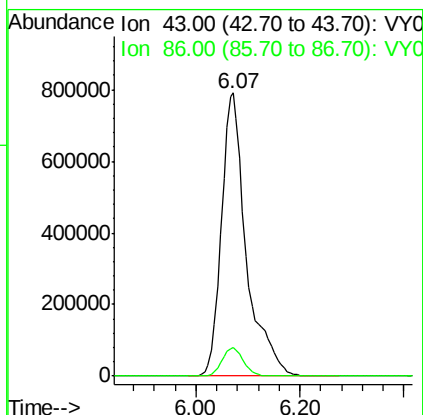
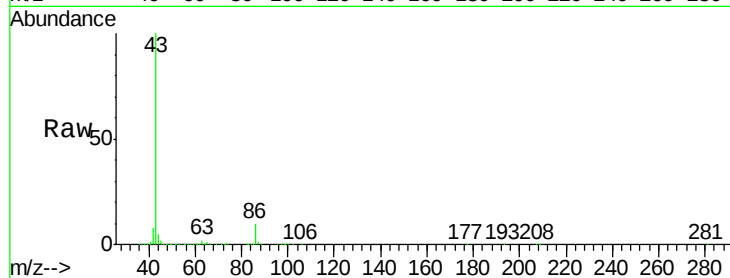
86 10.1 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.398 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

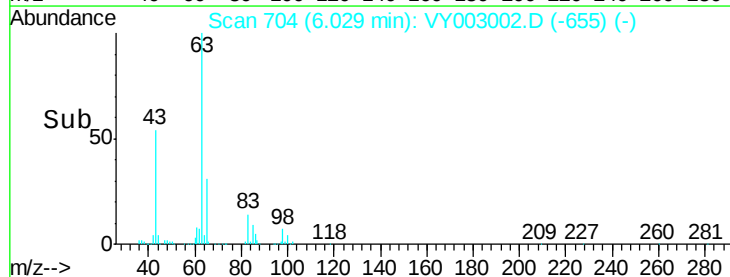
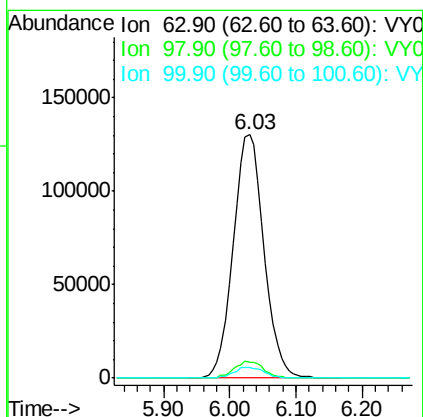
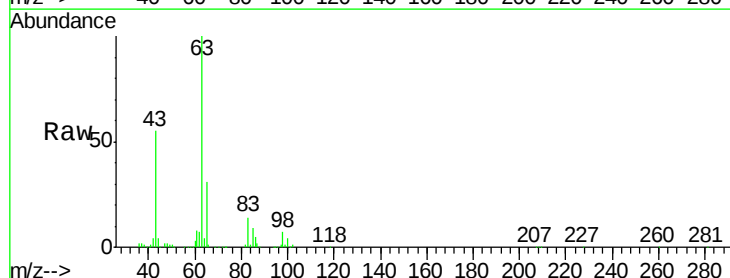
Tgt Ion: 63 Resp: 419149

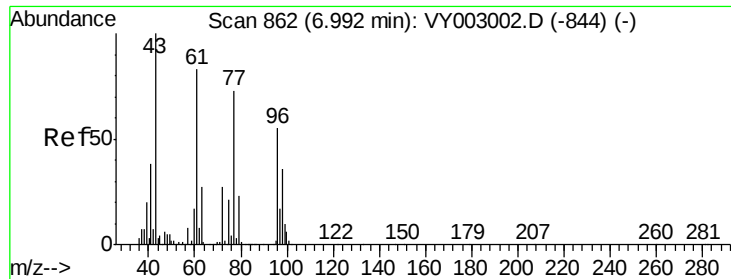
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.3 6.8





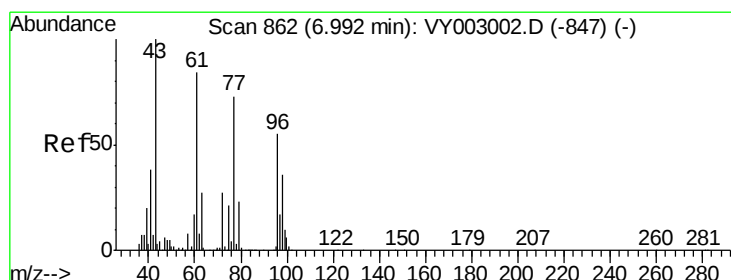
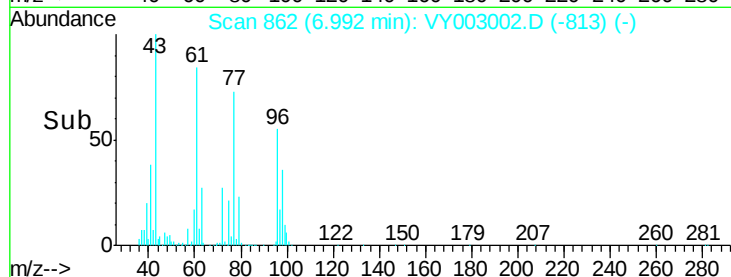
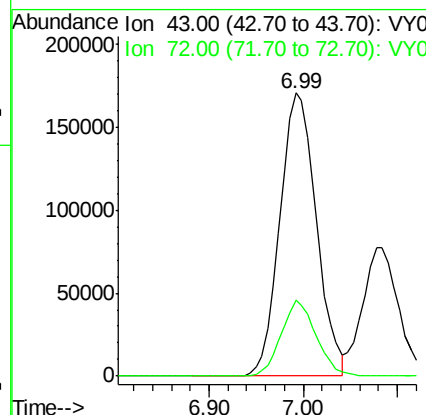
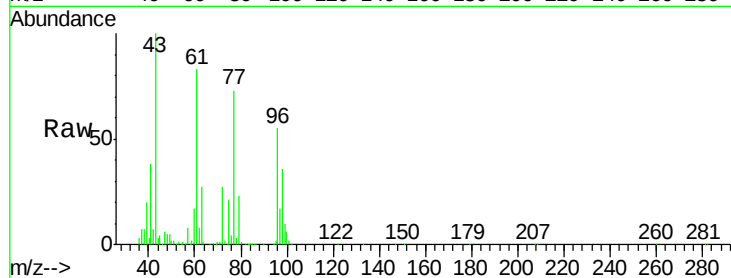
#25
2-Butanone
Concen: 257.605 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 458694
Ion Ratio Lower Upper
43 100
72 26.7 21.4 32.0

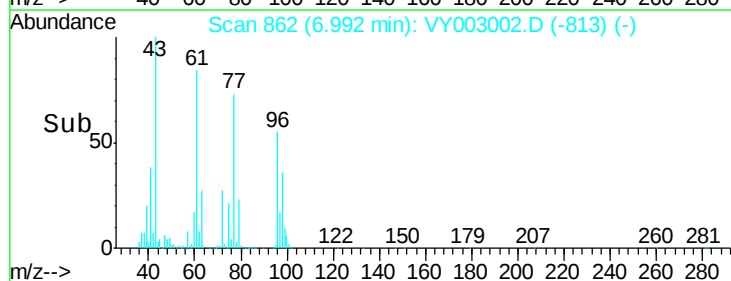
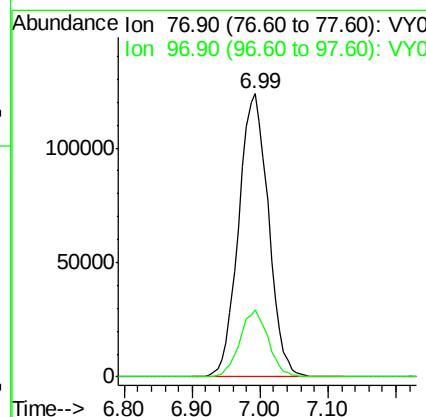
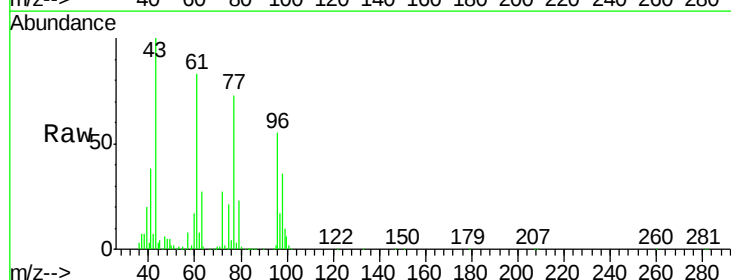
Manual Integrations
APPROVED

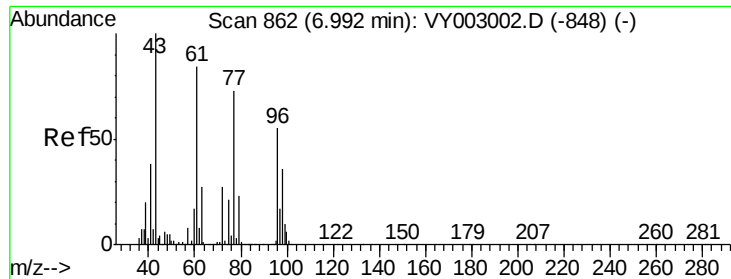
MMDadoda
6/30/2020 12:54:08 PM



#26
2,2-Dichloropropane
Concen: 48.773 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion: 77 Resp: 375998
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.9





#27

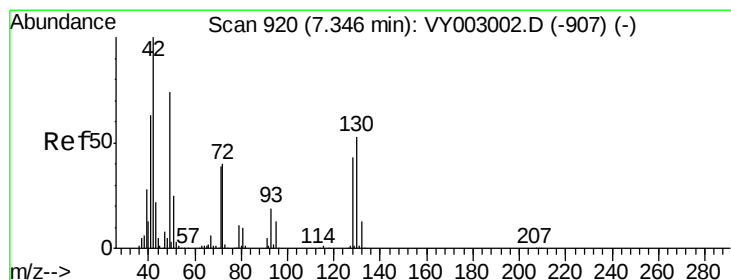
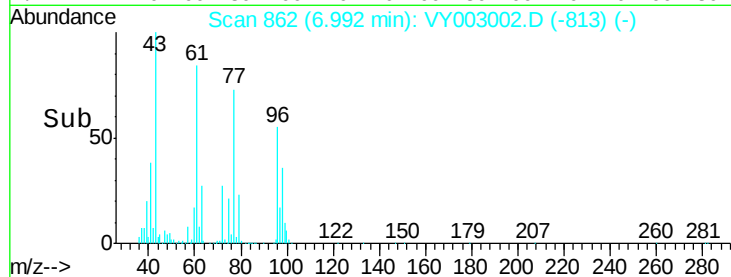
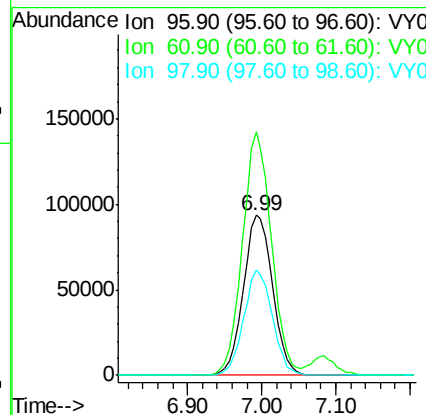
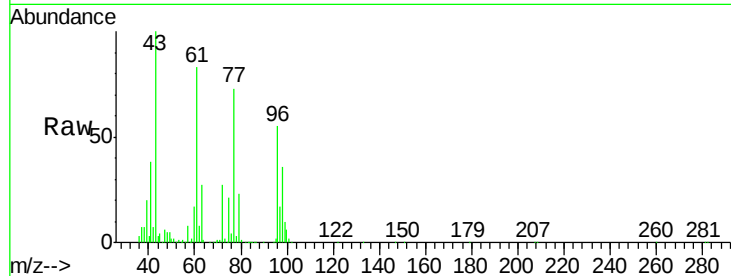
cis-1,2-Dichloroethene
Concen: 49.060 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	258368		
61	150.6	0.0	301.2	
98	64.5	0.0	129.0	

Manual Integrations
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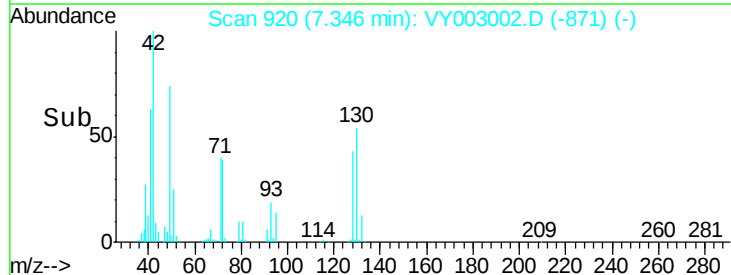
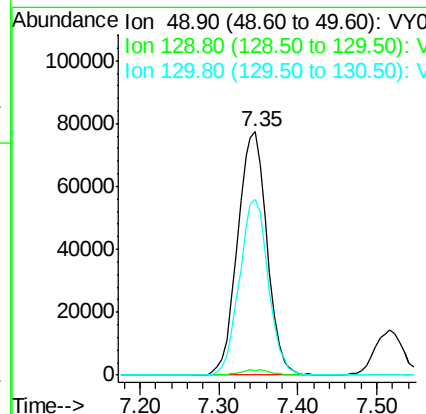
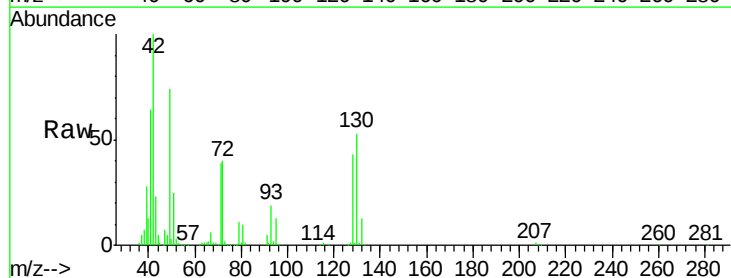
MMDadoda
6/30/2020 12:54:08 PM

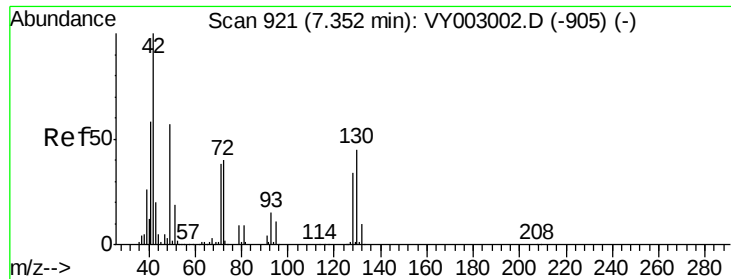


#28

Bromochloromethane
Concen: 52.906 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199741		
129	2.2	0.0	4.4	
130	71.3	57.0	85.6	





#29

Tetrahydrofuran

Concen: 258.690 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

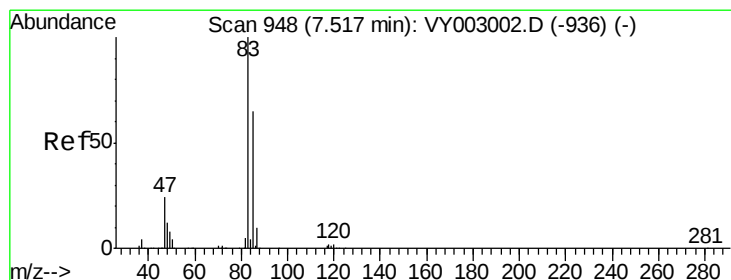
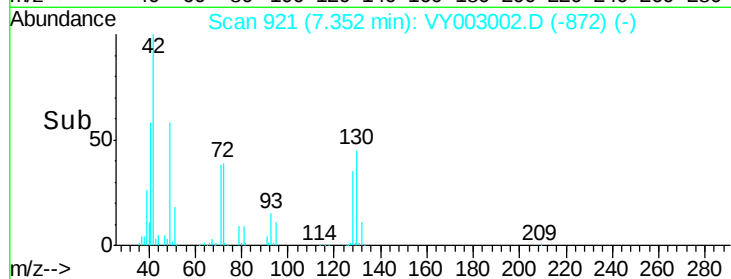
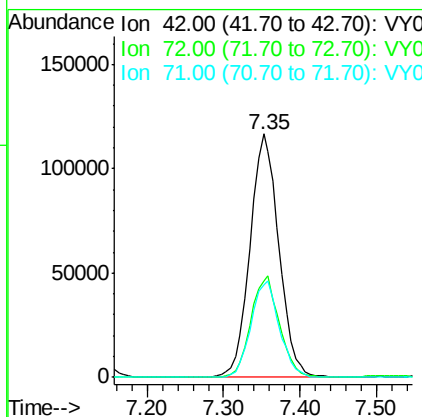
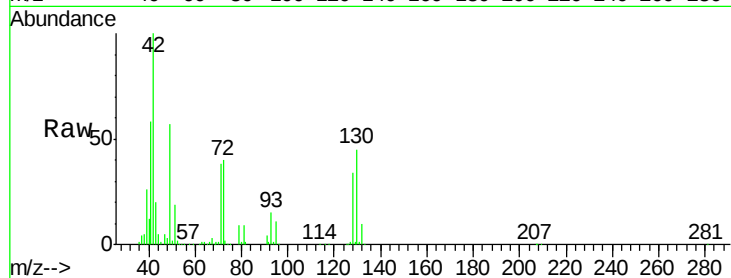
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	306318
Ion Ratio		Lower	Upper
42	100		
72	41.1	32.9	49.3
71	39.0	31.2	46.8

Manual Integrations
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#30

Chloroform

Concen: 49.478 ug/l

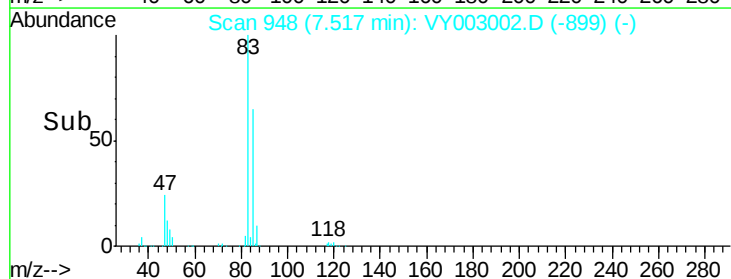
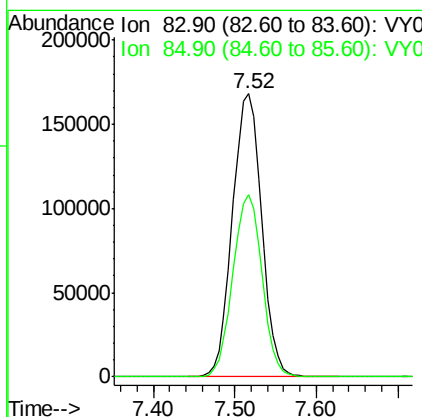
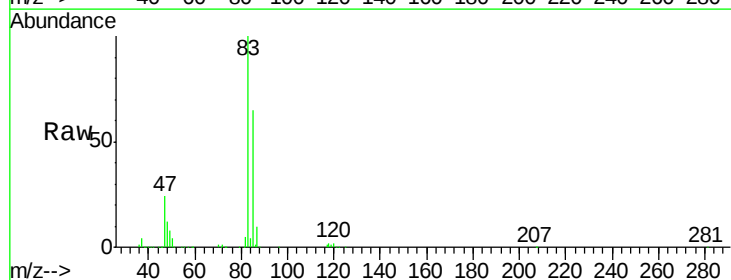
RT: 7.52 min Scan# 948

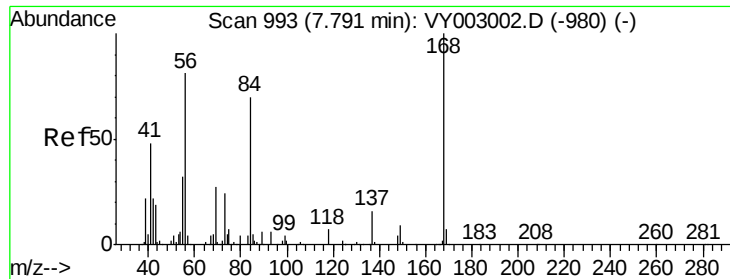
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	83	Resp:	415916
Ion Ratio		Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cyclohexane

Concen: 47.674 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

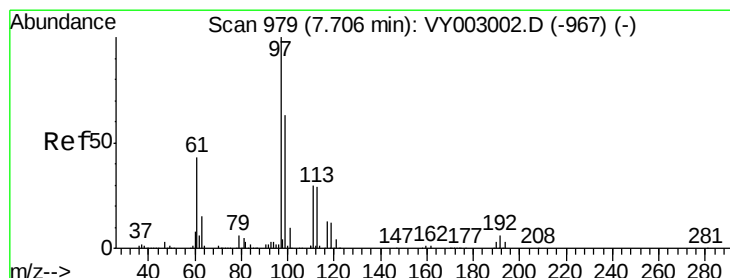
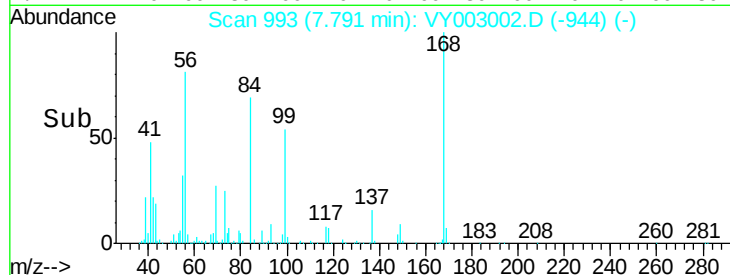
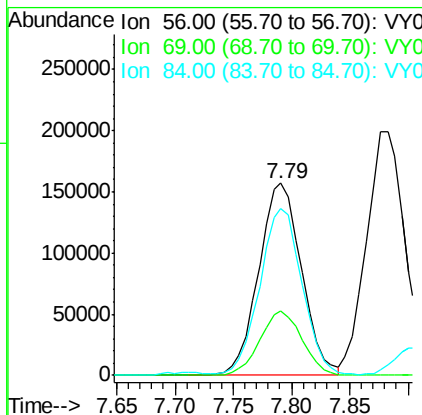
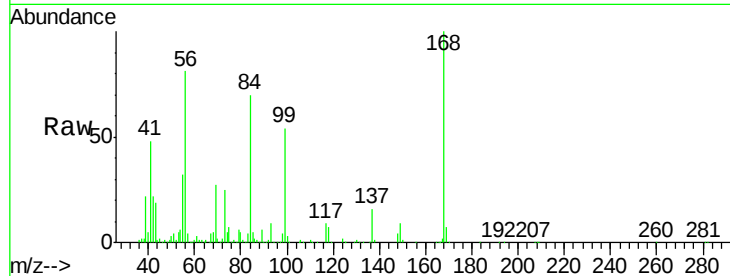
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	398509
Ion	Ratio	Lower	Upper
56	100		
69	33.7	27.0	40.4
84	85.1	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.181 ug/l

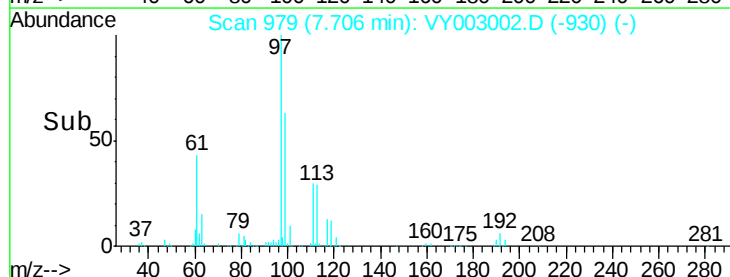
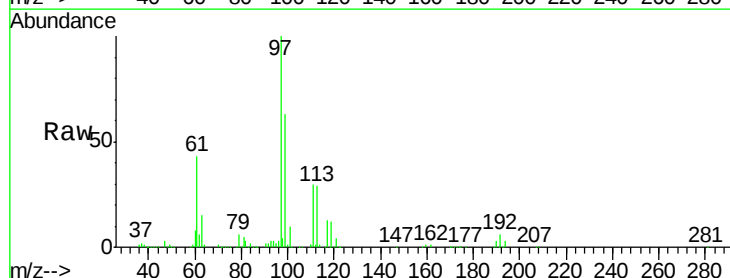
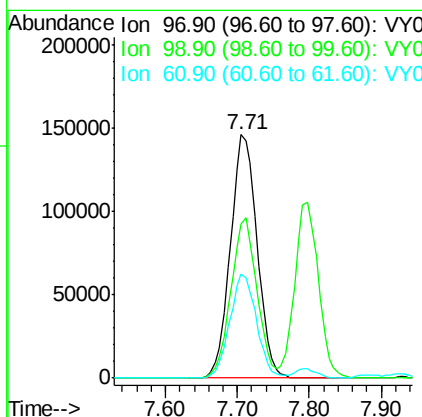
RT: 7.71 min Scan# 979

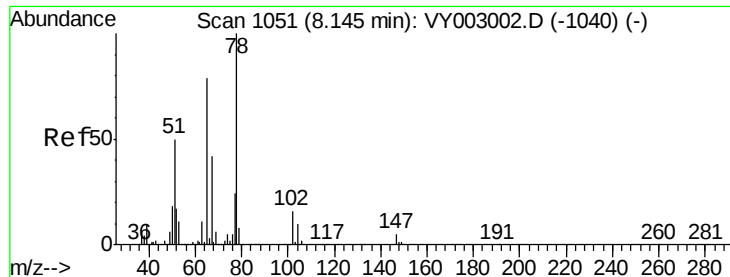
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	97	Resp:	377371
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	42.4	33.9	50.9





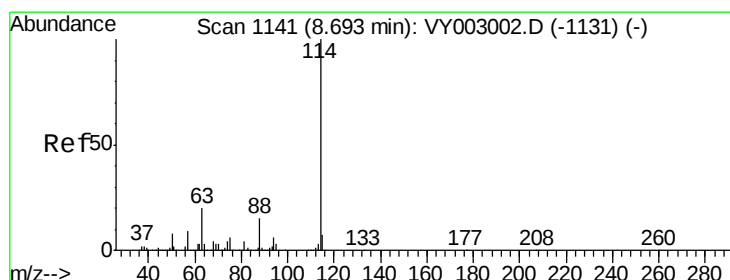
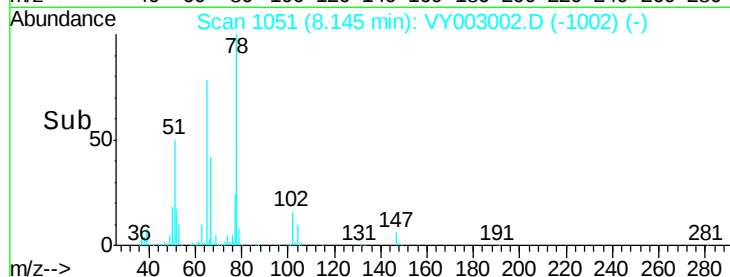
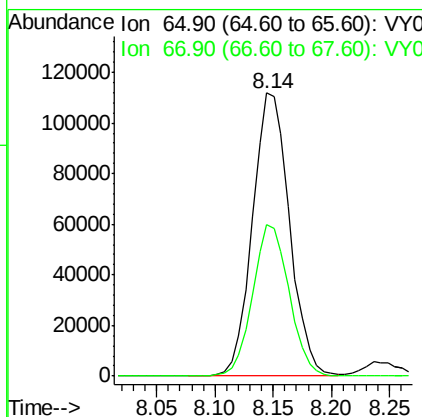
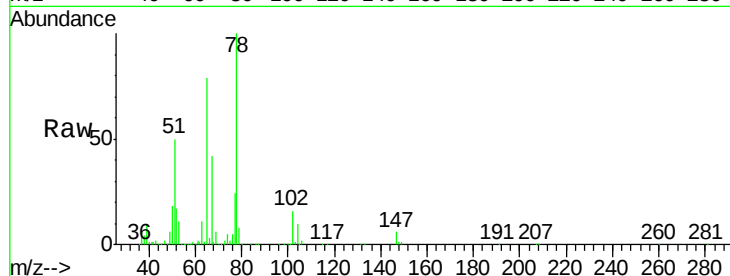
#33
 1,2-Dichloroethane-d4
 Concen: 52.072 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.6

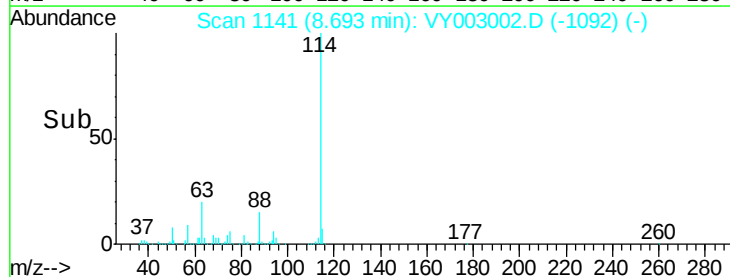
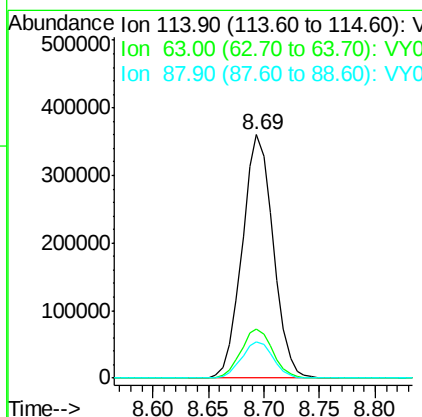
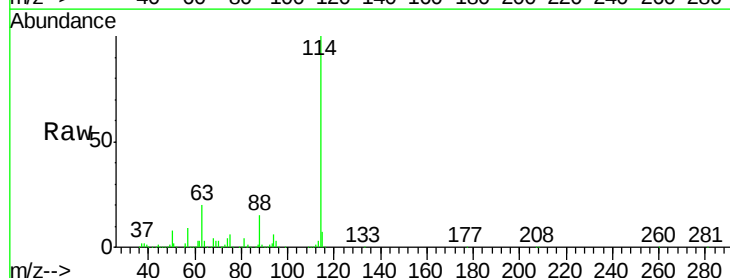
Manual Integrations
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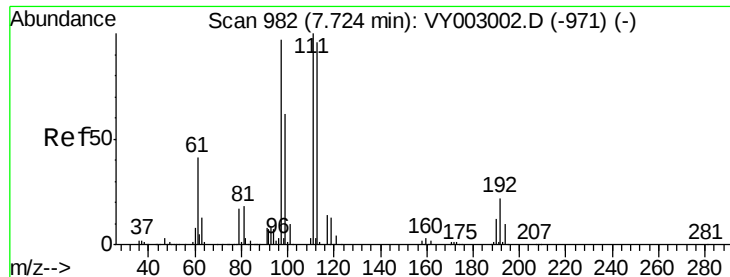
MMDadoda
 6/30/2020 12:54:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	15.0	0.0	30.0





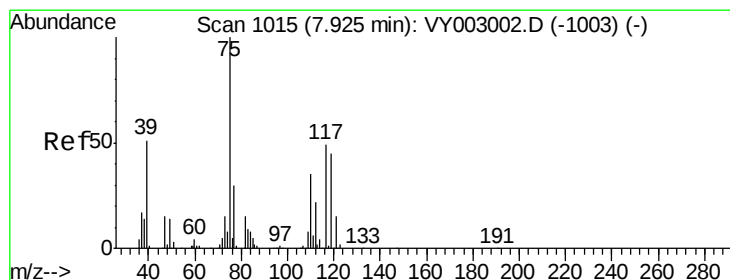
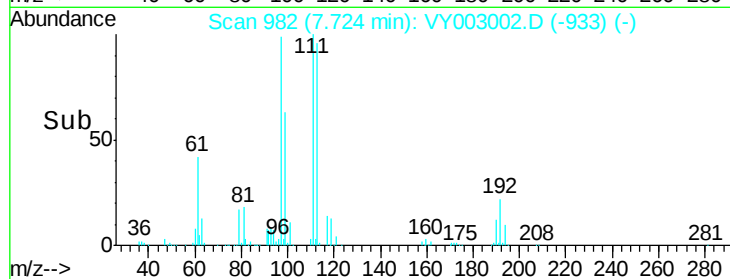
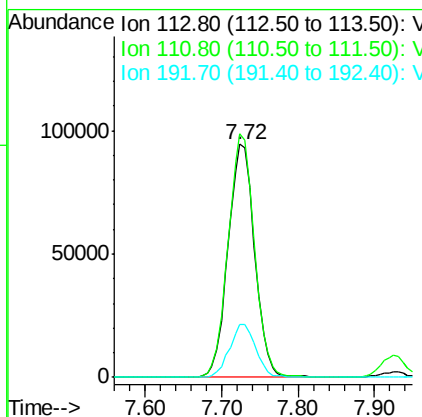
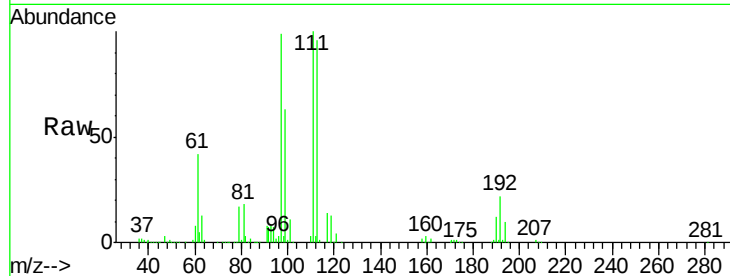
#35
 Dibromofluoromethane
 Concen: 52.238 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227262		
111	103.2	82.6	123.8	
192	22.6	18.1	27.1	

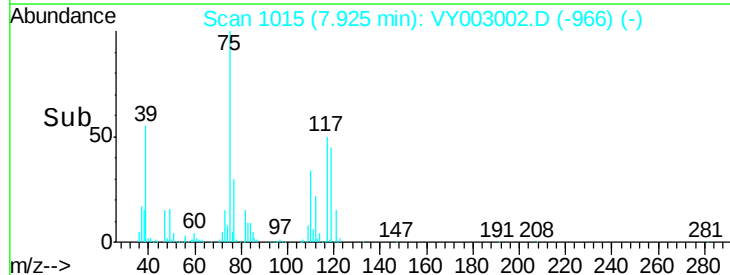
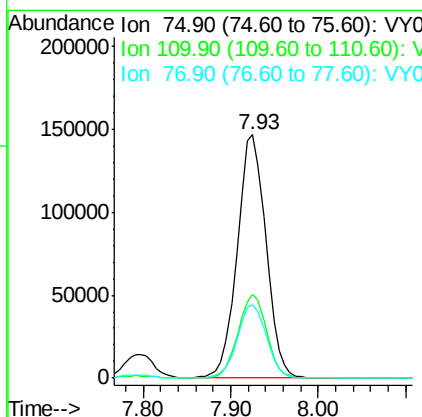
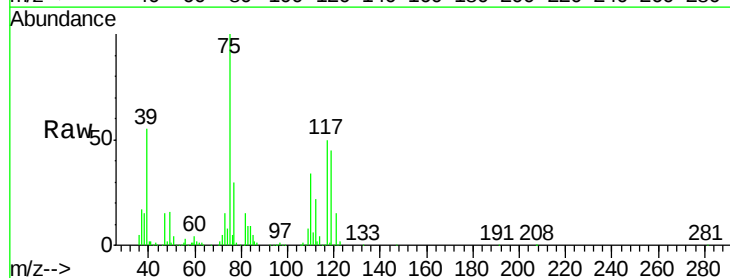
Manual Integrations
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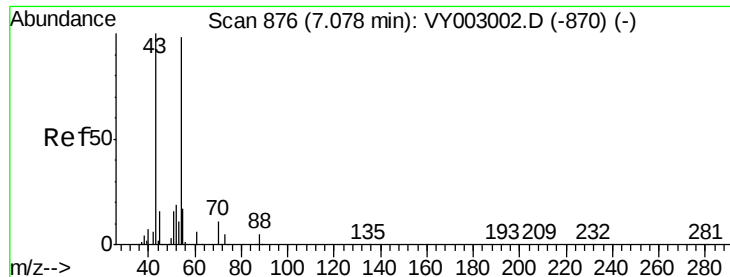
MMDadoda
 6/30/2020 12:54:08 PM



#36
 1,1-Dichloropropene
 Concen: 49.818 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	334660		
110	34.1	17.1	51.2	
77	31.1	24.9	37.3	





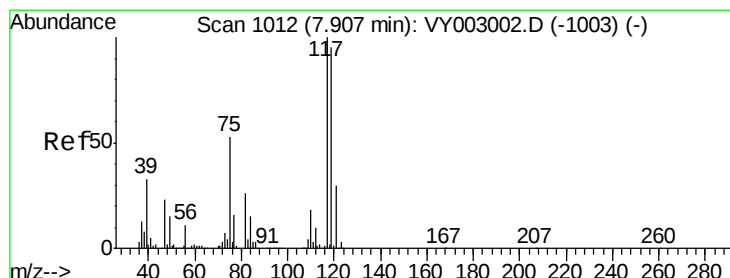
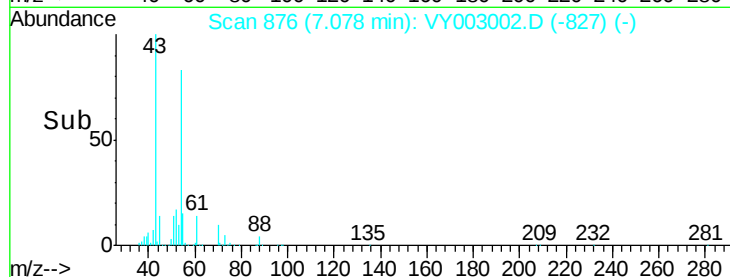
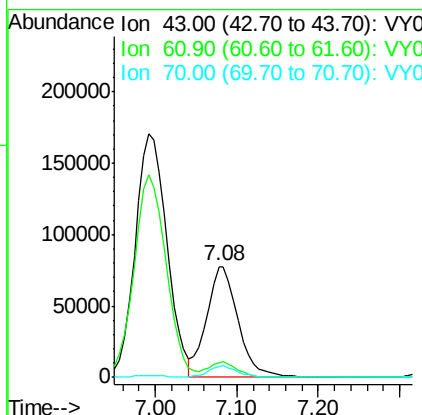
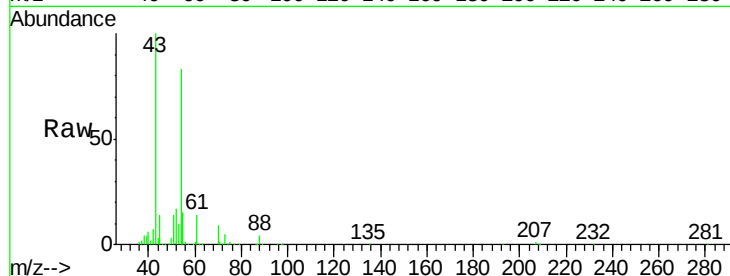
#37
Ethyl Acetate
Concen: 51.659 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.6	7.7	11.5

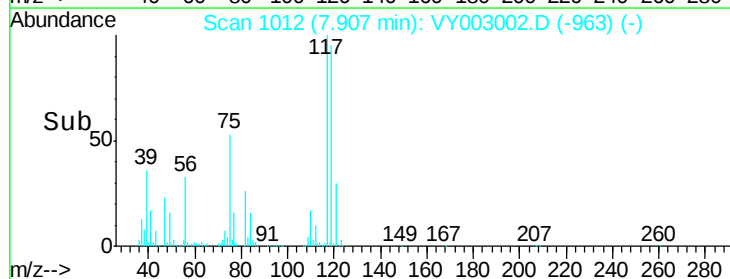
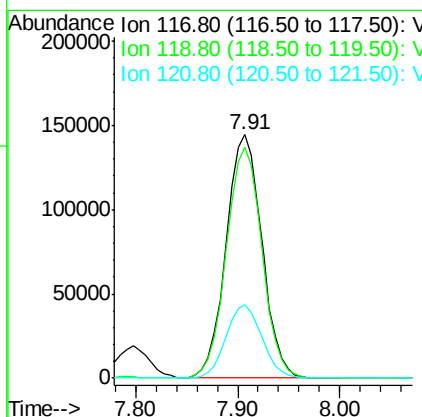
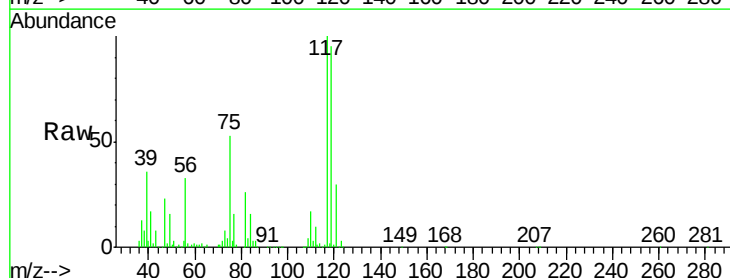
Manual Integrations
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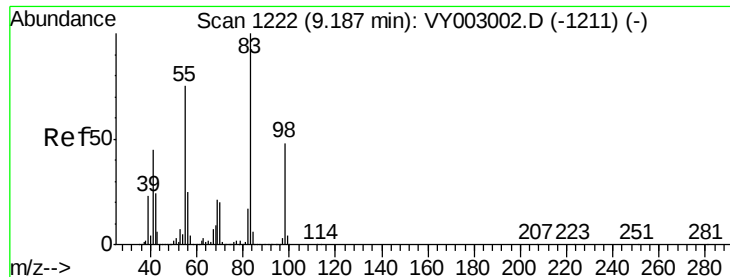
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#38
Carbon Tetrachloride
Concen: 50.140 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	29.9	23.9	35.9





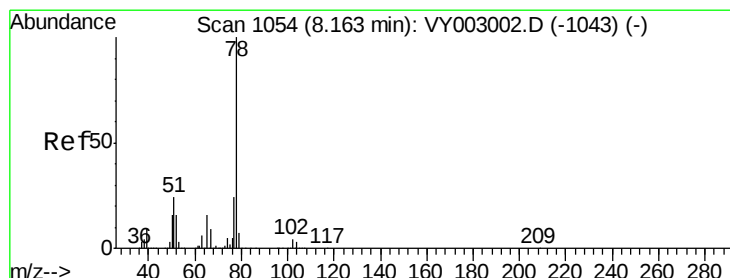
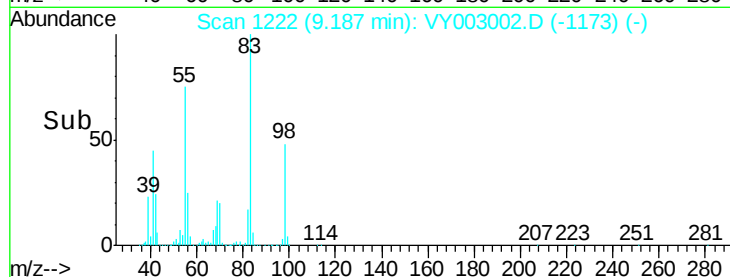
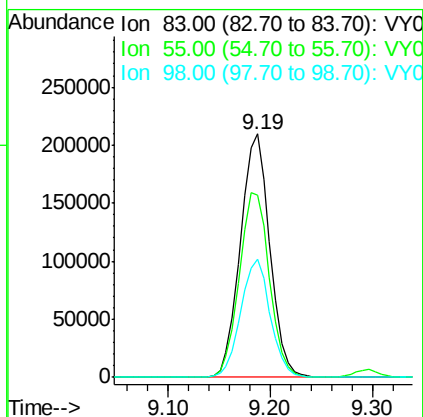
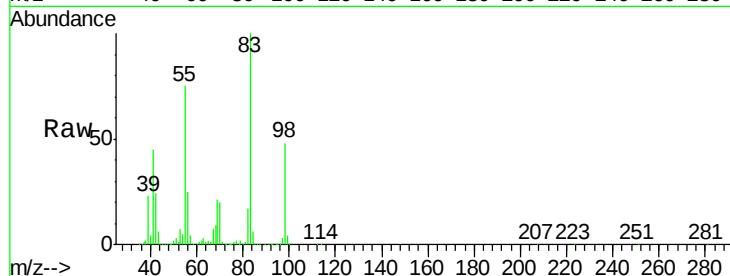
#39
Methvlcvclohexane
Concen: 50.478 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.9	89.9
98	48.4	38.7	58.1

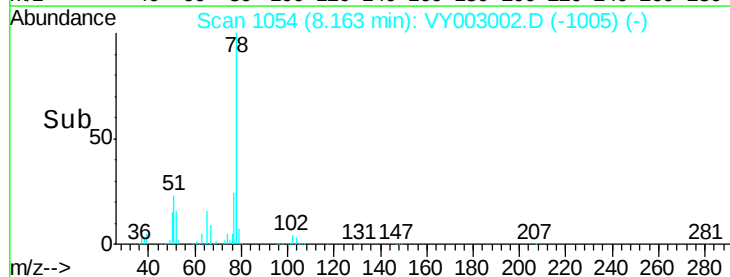
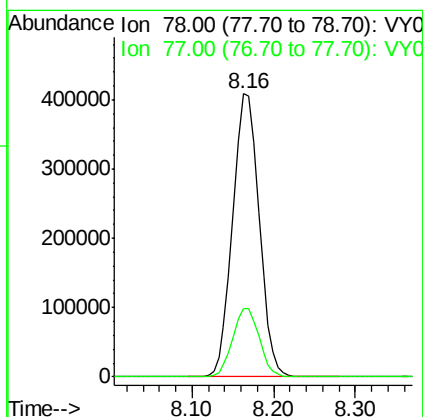
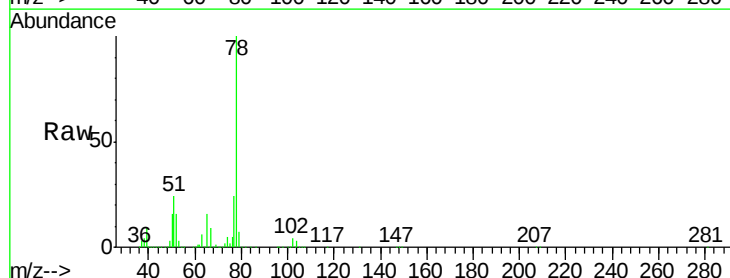
Manual Integrations
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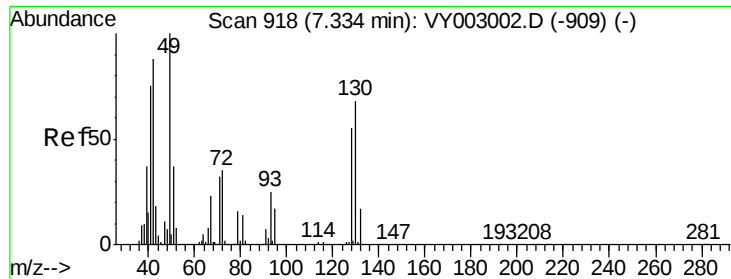
MMDadoda
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#40
Benzene
Concen: 49.855 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





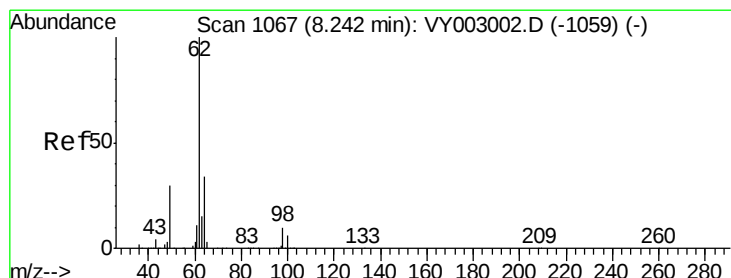
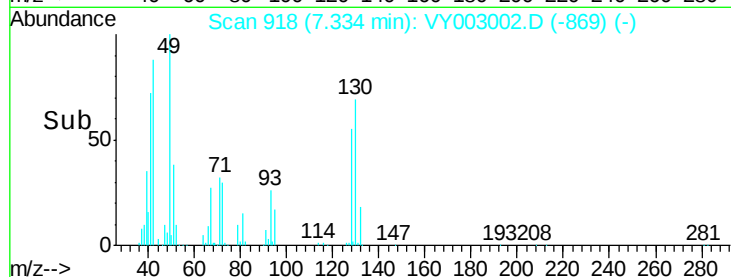
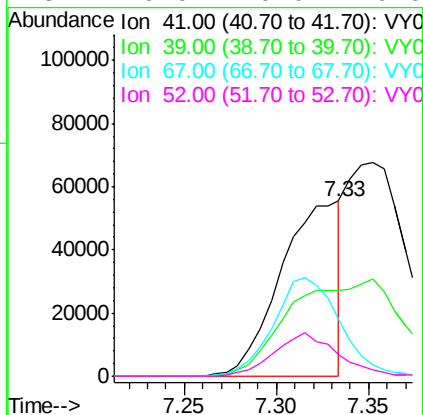
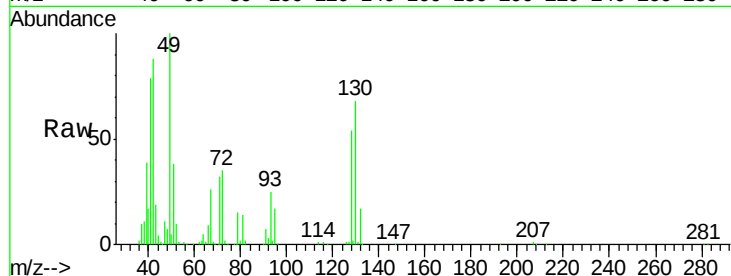
#41
Methacrylonitrile
Concen: 25.428 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	125971
Ion	Ratio	Lower	Upper
41	100		
39	103.2	85.7	128.5
67	0.0	0.0	0.0
52	0.0	0.0	0.0

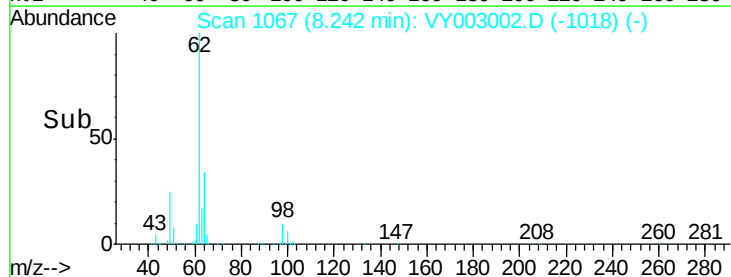
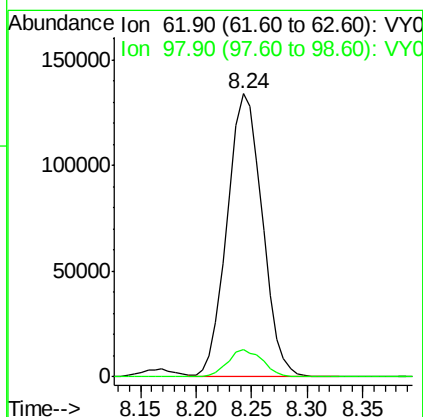
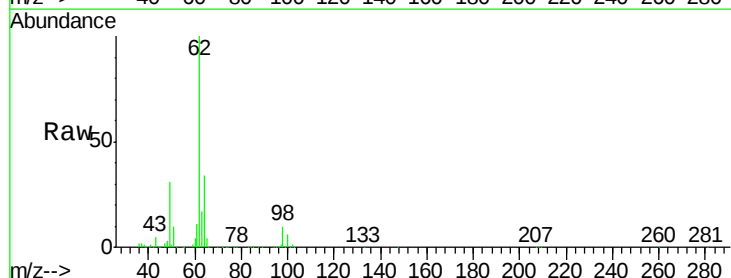
Manual Integrations
APPROVED

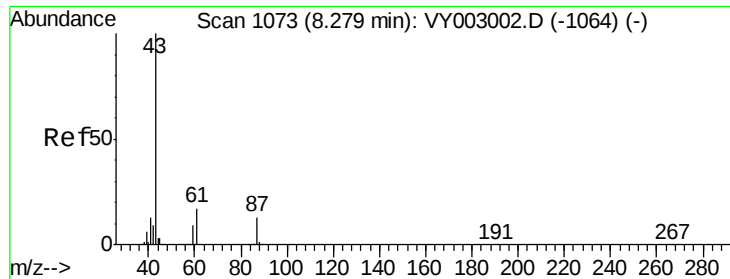
MMDadoda
6/30/2020 12:54:08 PM



#42
1,2-Dichloroethane
Concen: 50.534 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	62	Resp	294014
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.2





#43

Isopropyl Acetate

Concen: 52.101 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

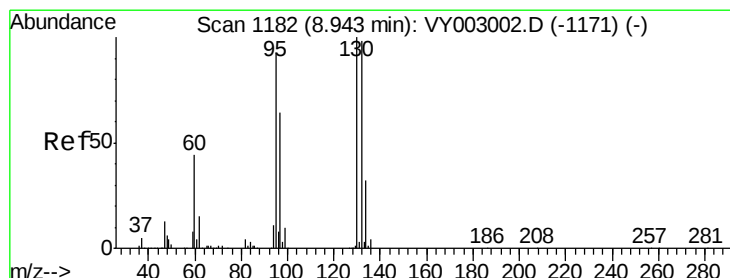
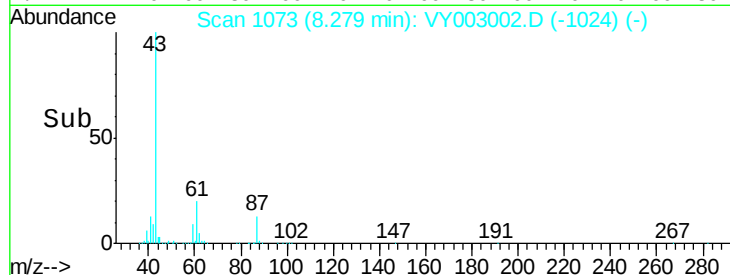
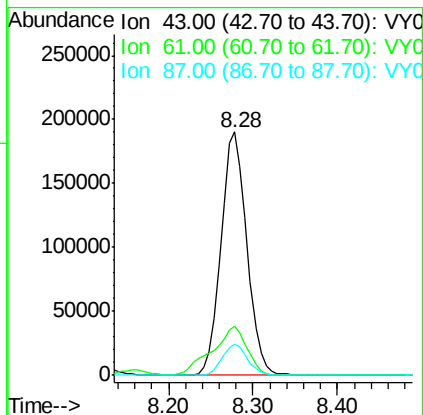
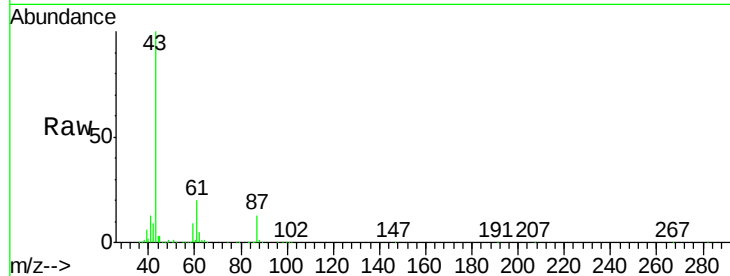
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	400055
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.6
87	12.6	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 49.710 ug/l

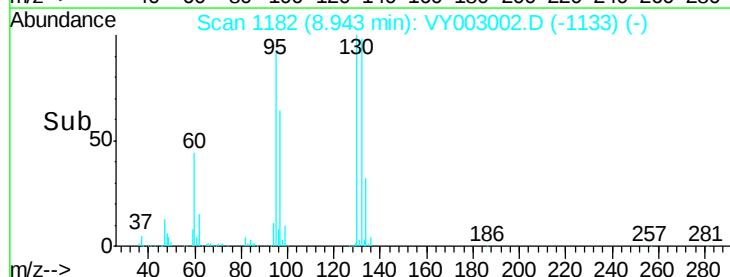
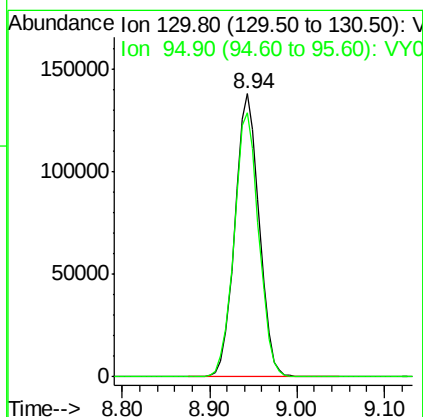
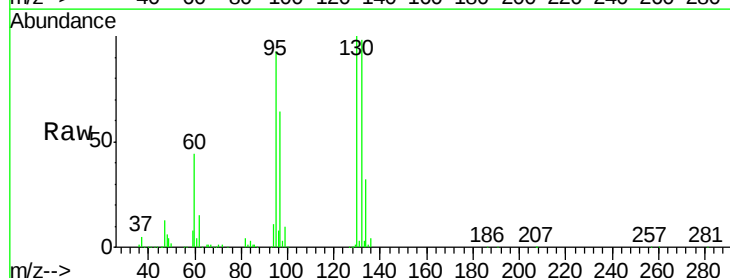
RT: 8.94 min Scan# 1182

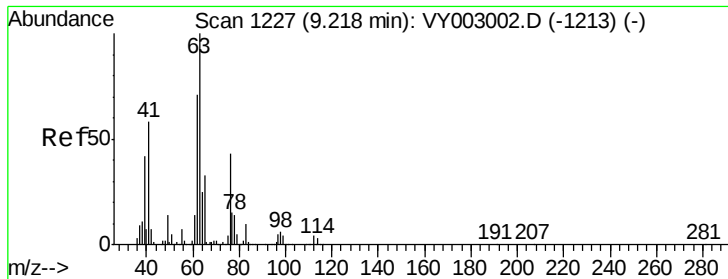
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	130	Resp:	265724
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	186.4





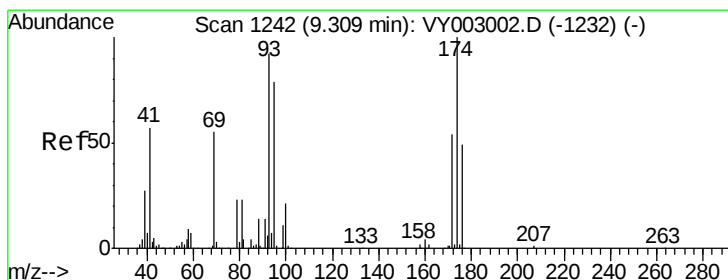
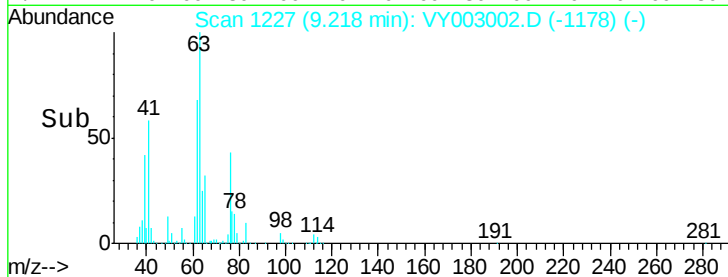
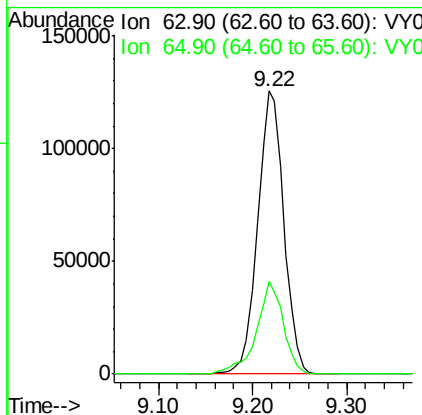
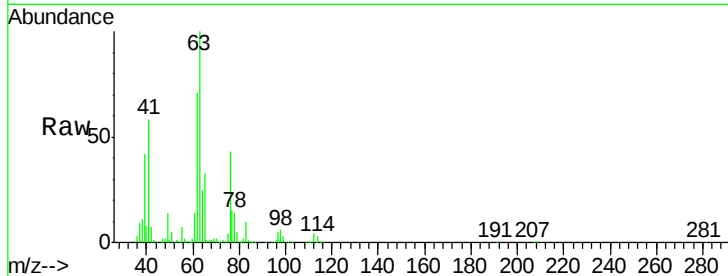
#45
 1,2-Dichloropropane
 Concen: 49.613 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	26.2	39.4

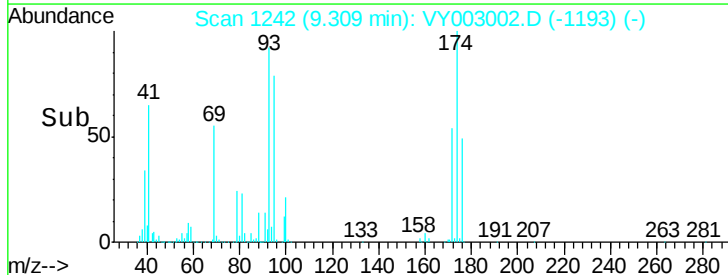
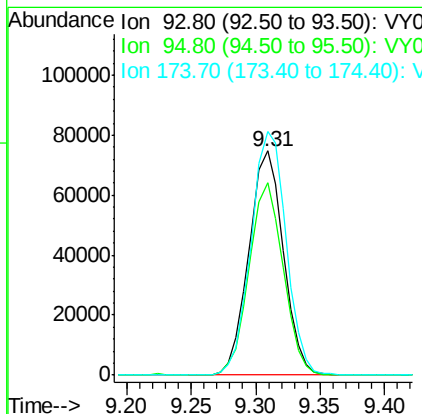
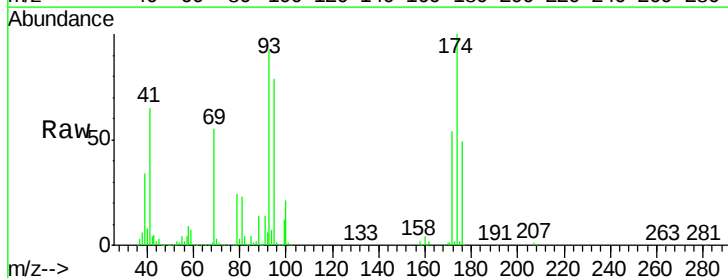
Manual Integrations
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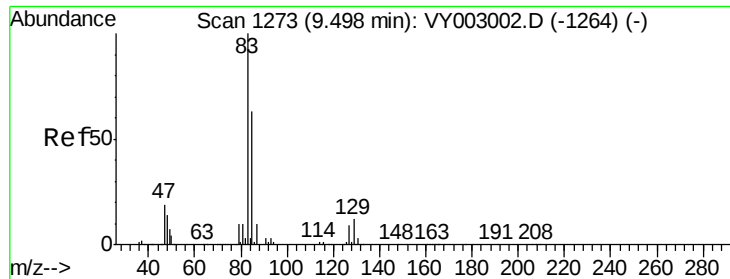
MMDadoda
 6/30/2020 12:54:08 PM



#46
 Dibromomethane
 Concen: 50.145 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	67.6	101.4
174	110.4	88.3	132.5





#47

Bromodichloromethane

Concen: 50.041 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

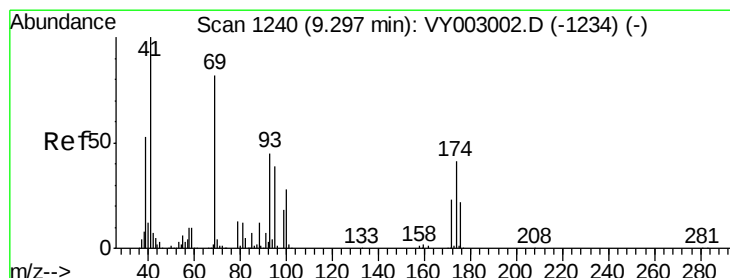
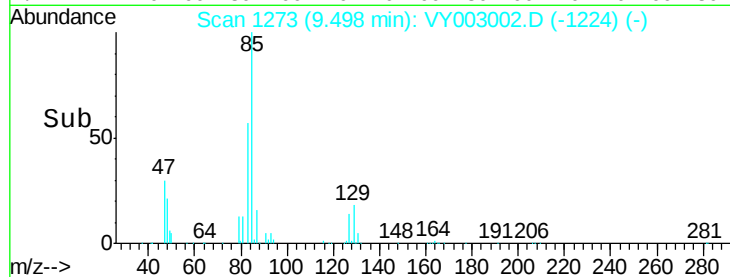
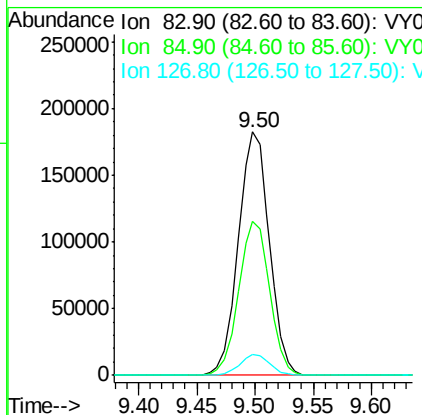
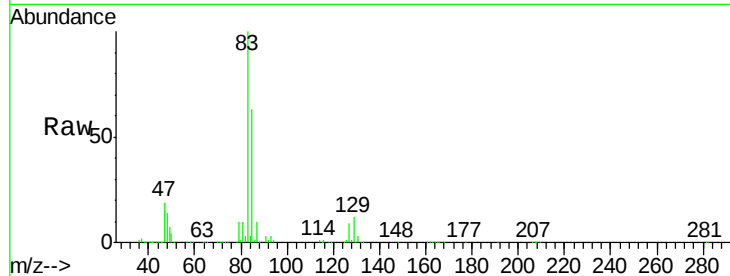
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	338616
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.734 ug/l

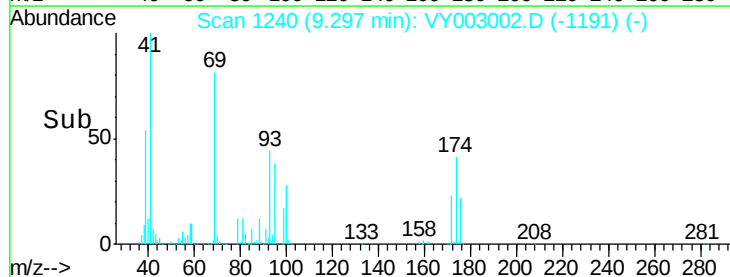
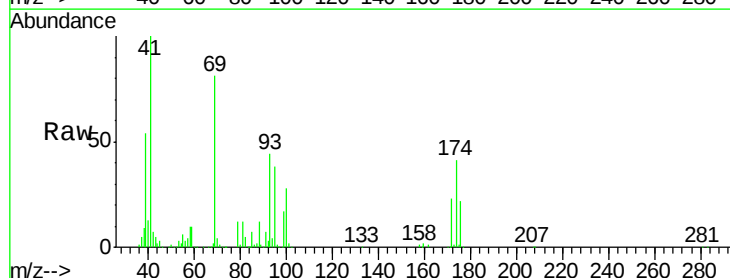
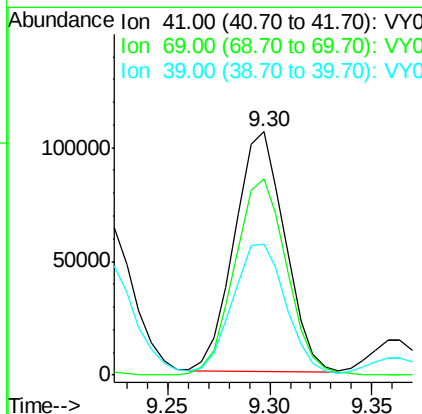
RT: 9.30 min Scan# 1240

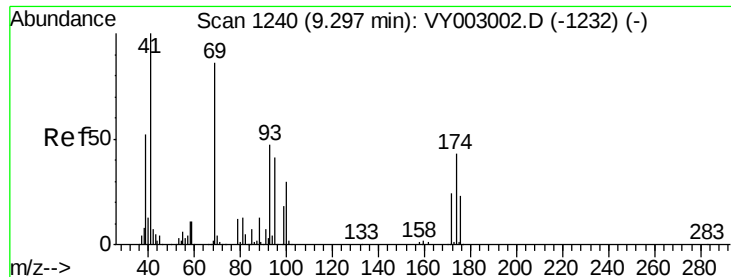
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	41	Resp:	180810
Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.7	101.5
39	56.2	45.0	67.4





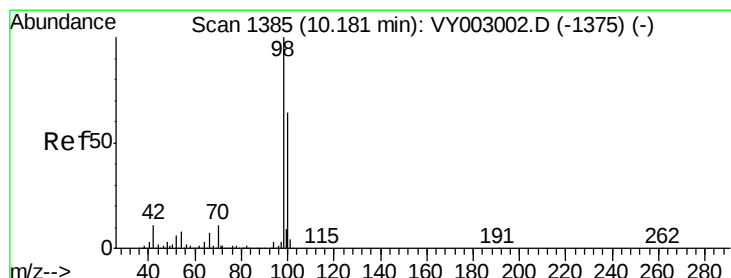
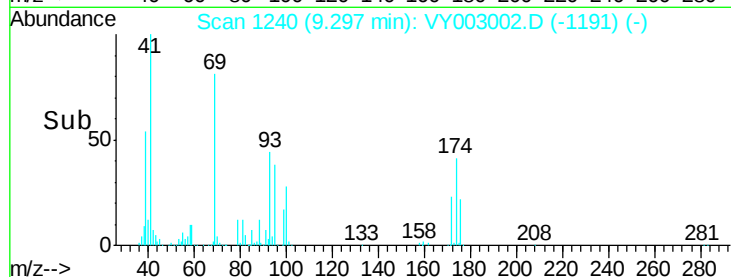
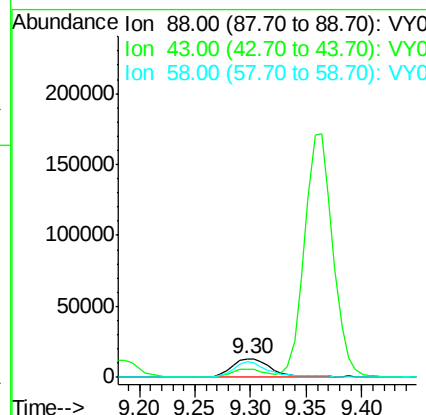
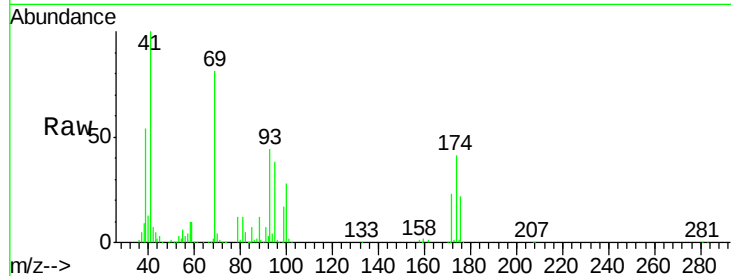
#49
1,4-Dioxane
Concen: 991.084 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	33433
Ion	Ratio	Lower	Upper
88	100		
43	35.7	28.6	42.8
58	70.9	56.7	85.1

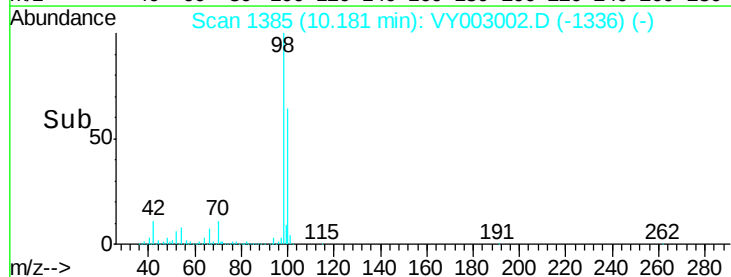
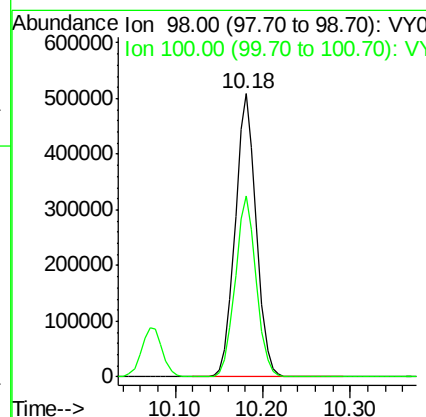
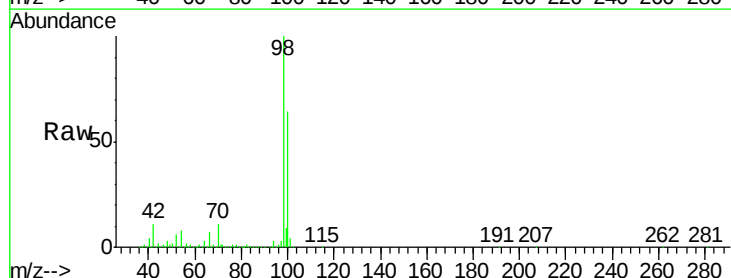
Manual Integrations
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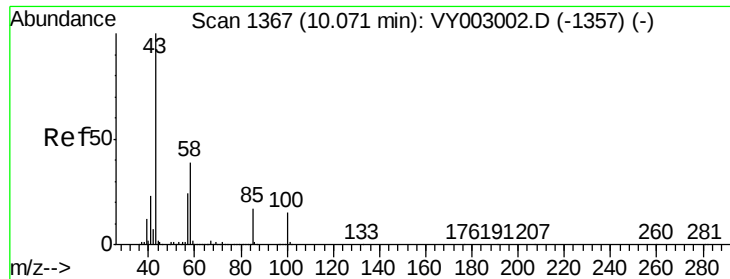
MMDadoda
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#50
Toluene-d8
Concen: 52.497 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	98	Resp	850858
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





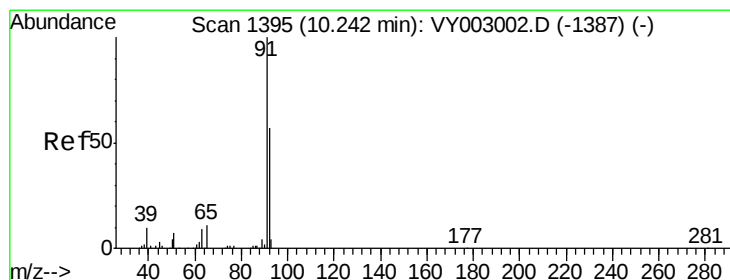
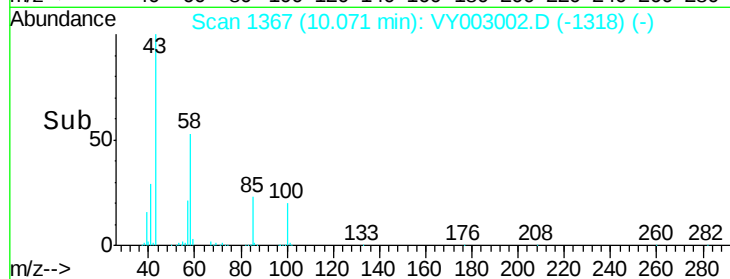
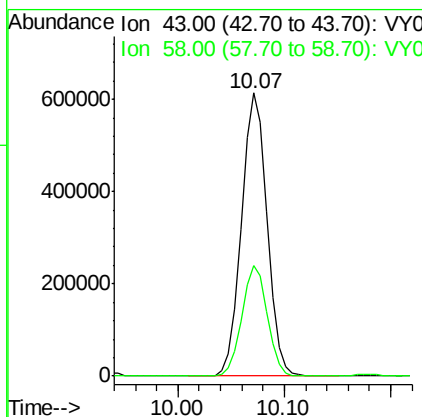
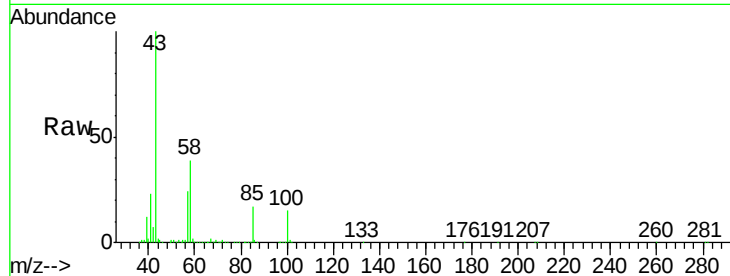
#51
4-Methyl-2-Pentanone
Concen: 260.268 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1032906
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7

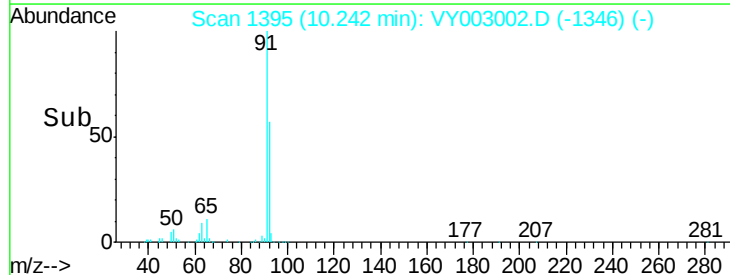
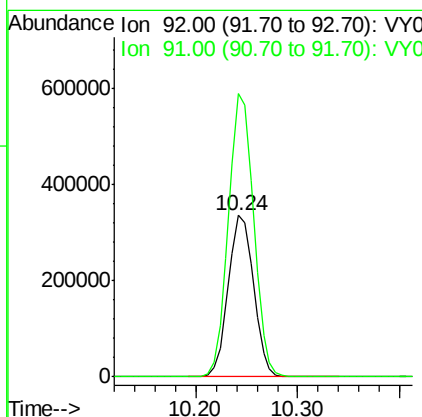
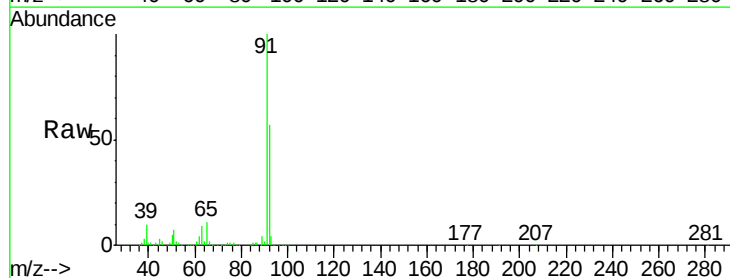
Manual Integrations
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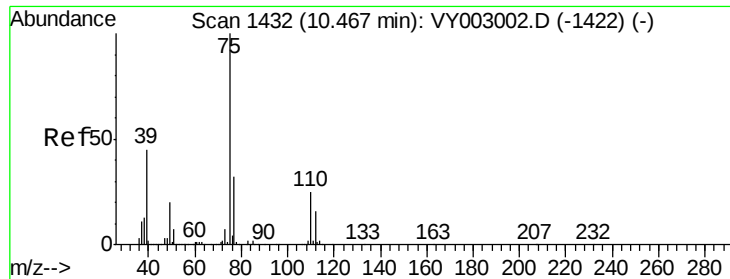
MMDadoda
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#52
Toluene
Concen: 49.720 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion: 92 Resp: 575622
Ion Ratio Lower Upper
92 100
91 174.5 139.6 209.4





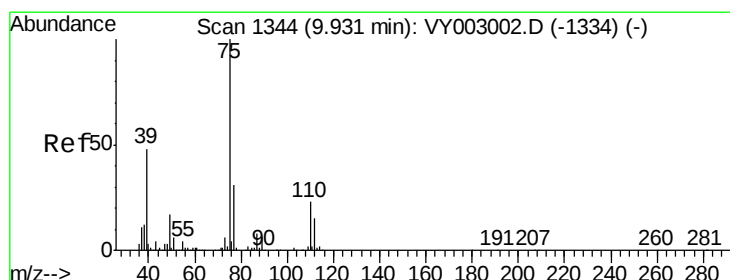
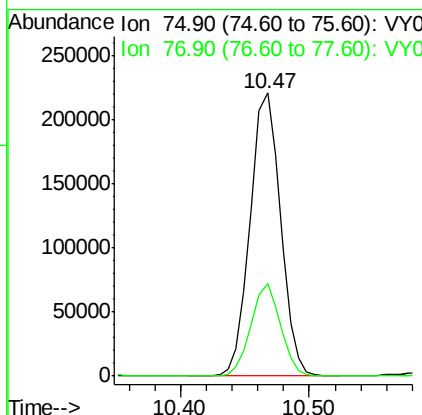
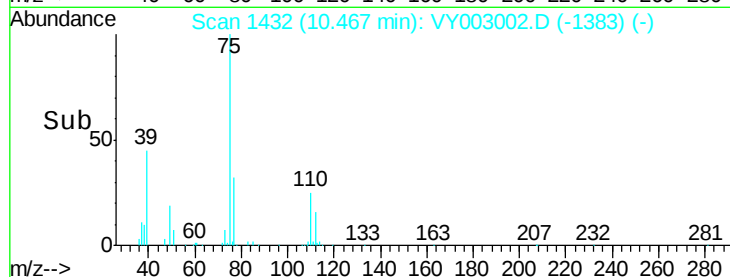
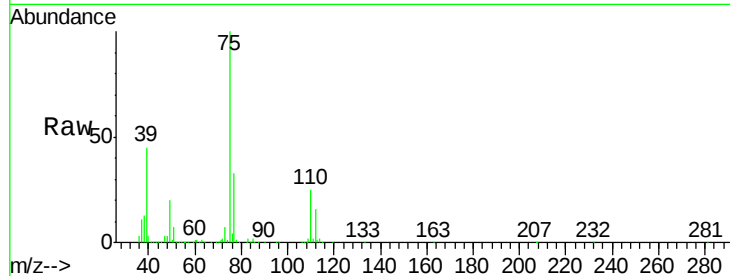
#53
 t-1,3-Dichloropropene
 Concen: 50.800 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 360401
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9

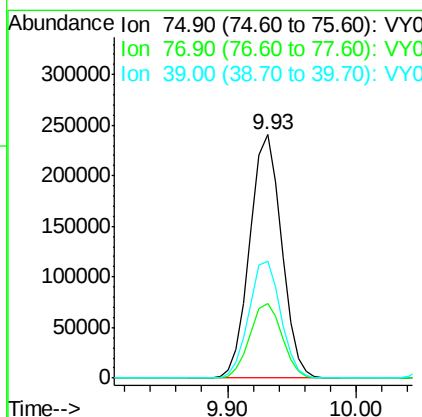
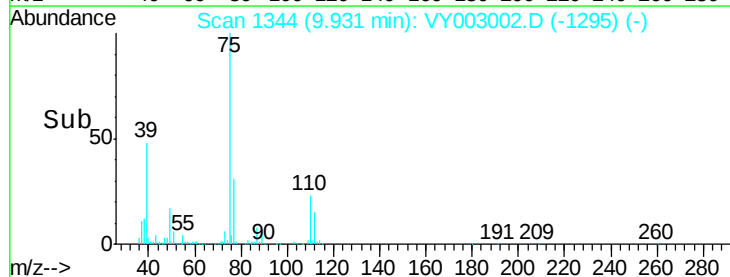
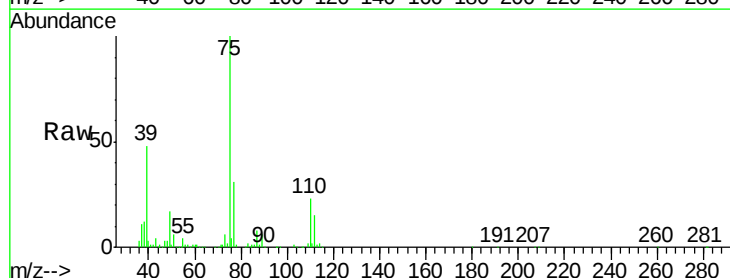
Manual Integrations
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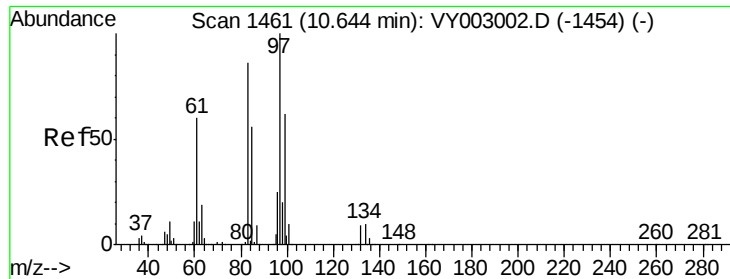
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#54
 cis-1,3-Dichloropropene
 Concen: 50.459 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion: 75 Resp: 409405
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 47.9 38.3 57.5





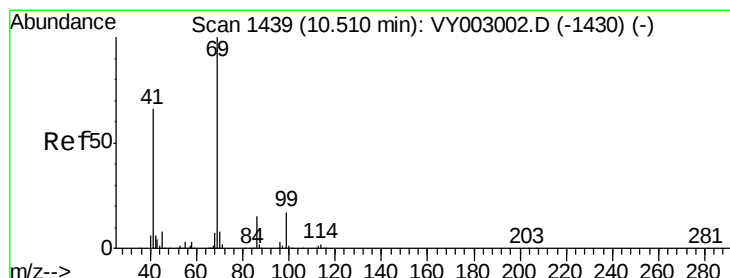
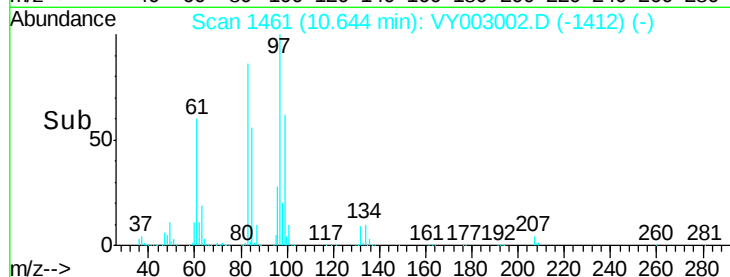
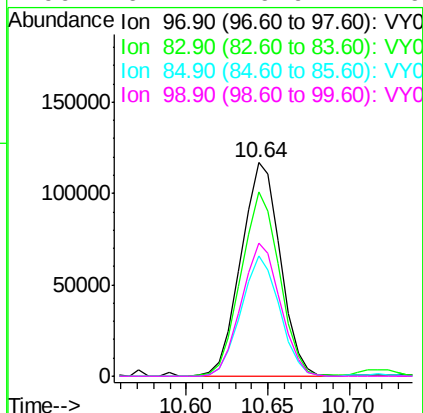
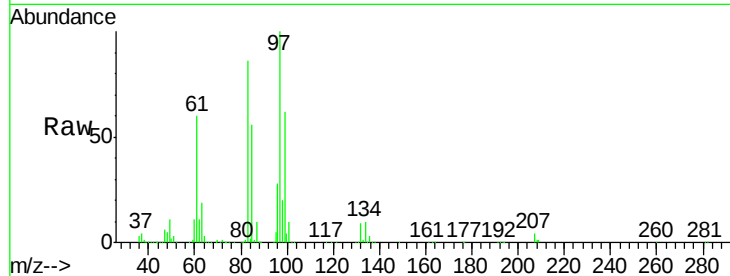
#55
 1,1,2-Trichloroethane
 Concen: 51.232 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		196736		
83	86.3	69.0	103.6		
85	56.0	44.8	67.2		
99	62.4	49.9	74.9		

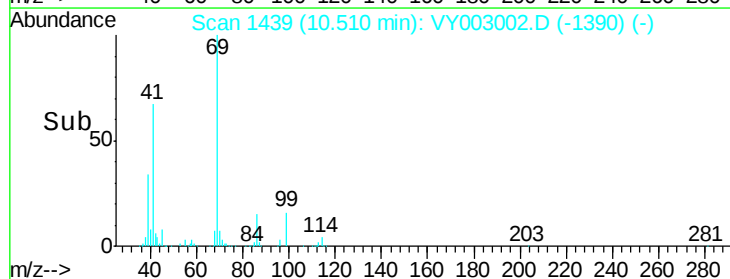
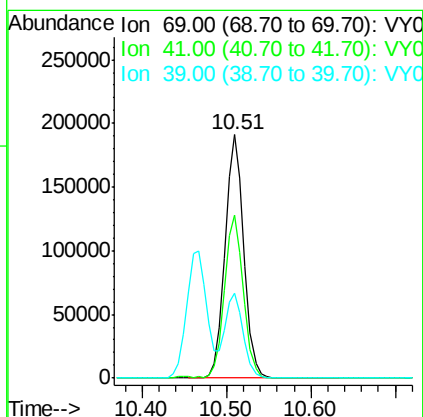
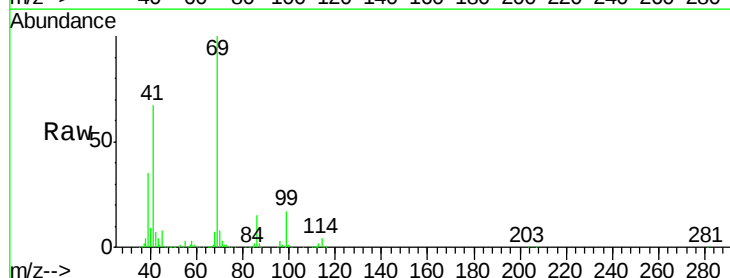
Manual Integrations
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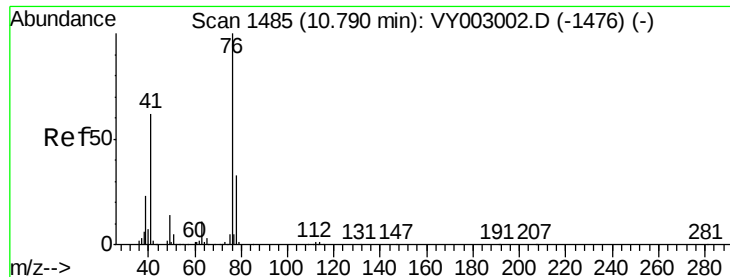
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#56
 Ethyl methacrylate
 Concen: 52.354 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		291026		
41	67.1	53.7	80.5		
39	35.4	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 50.154 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 338105

Ion Ratio Lower Upper

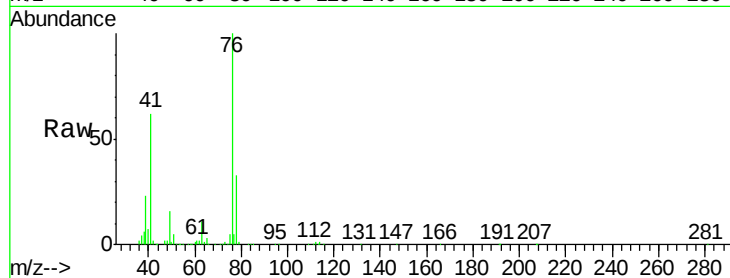
76 100

78 32.5 26.0 39.0

Manual Integrations
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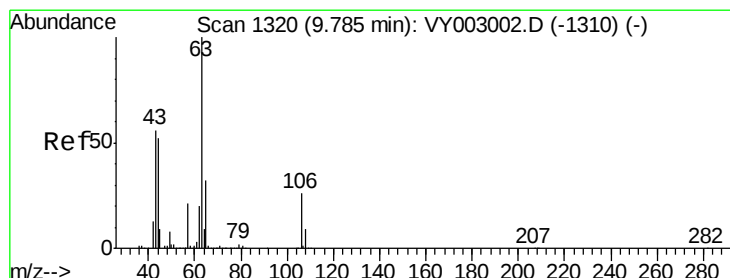
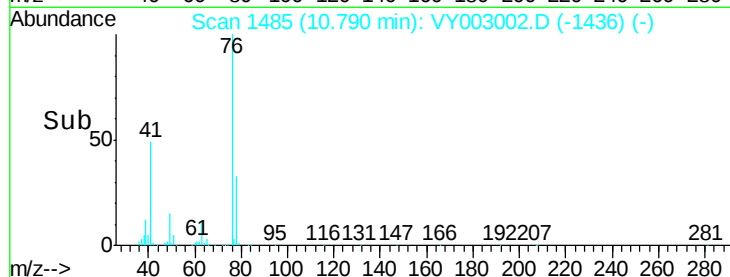
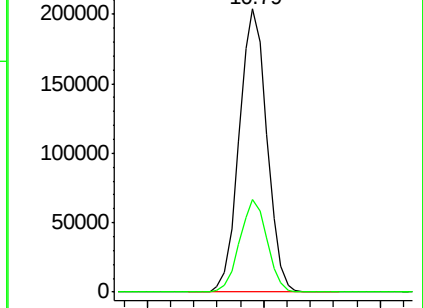
MMDadoda

6/30/2020 12:54:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 272.690 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003002.D

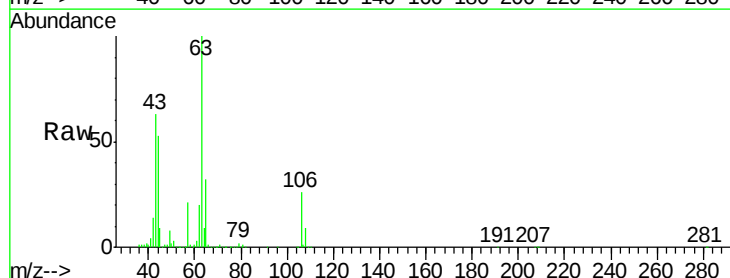
Acq: 29 Jun 2020 12:17

Tgt Ion: 63 Resp: 777420

Ion Ratio Lower Upper

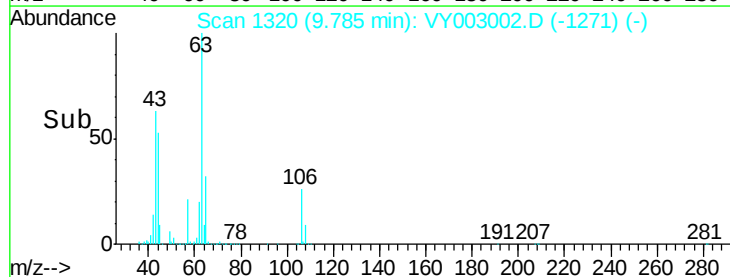
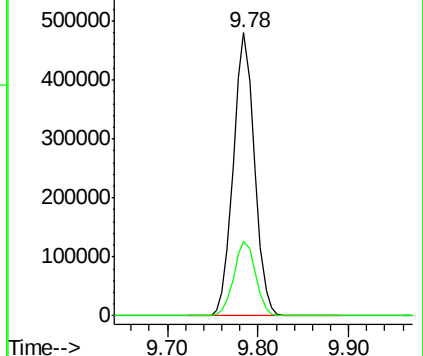
63 100

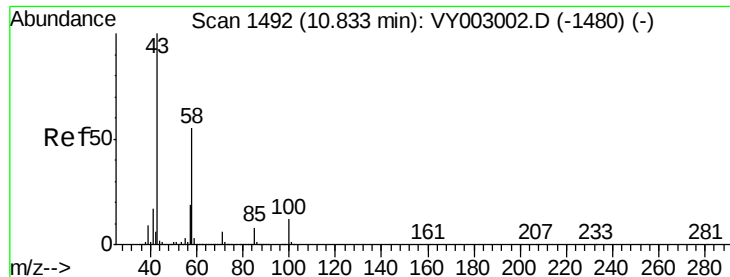
106 26.9 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





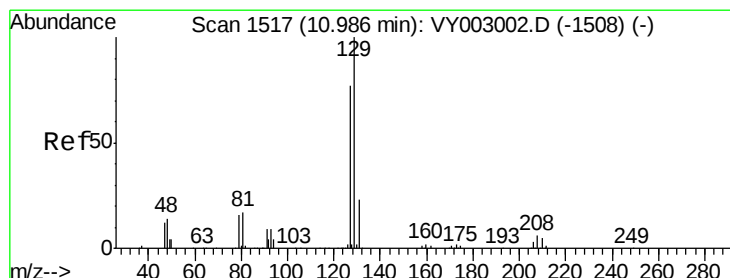
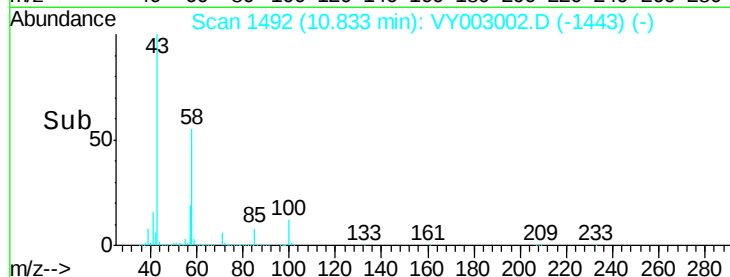
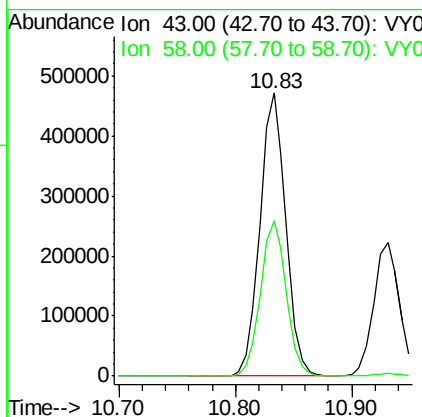
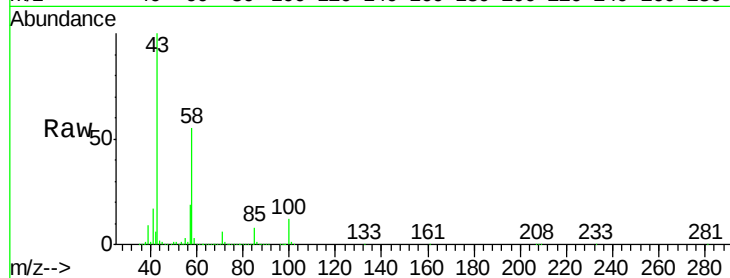
#59
2-Hexanone
Concen: 262.625 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 728503
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4

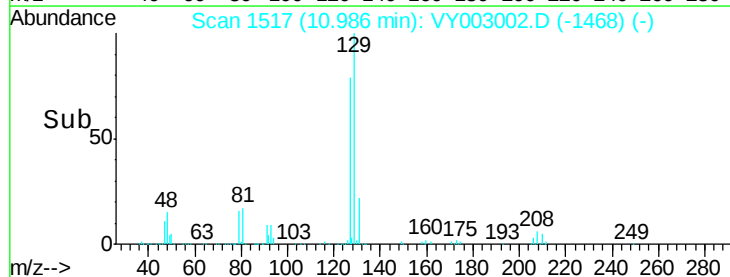
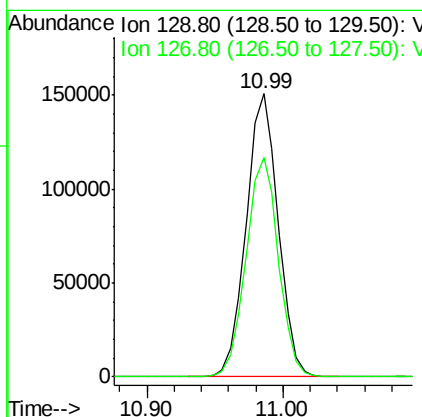
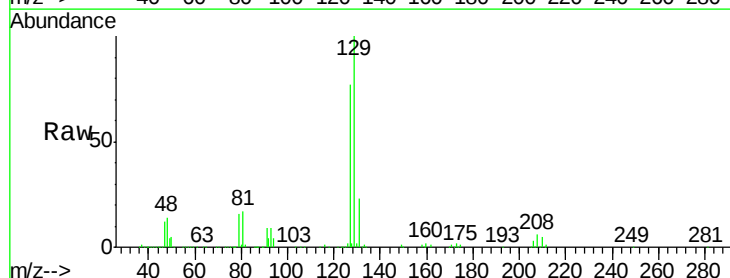
Manual Integrations
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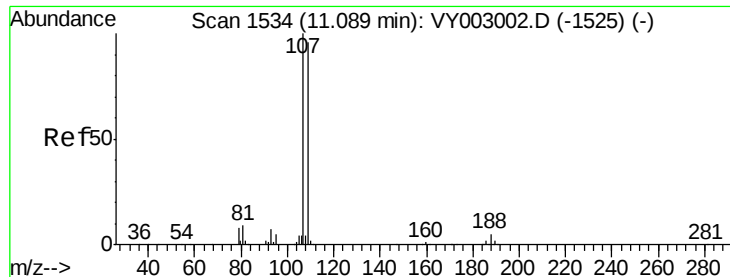
MMDadoda
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#60
Dibromochloromethane
Concen: 50.608 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion: 129 Resp: 248704
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





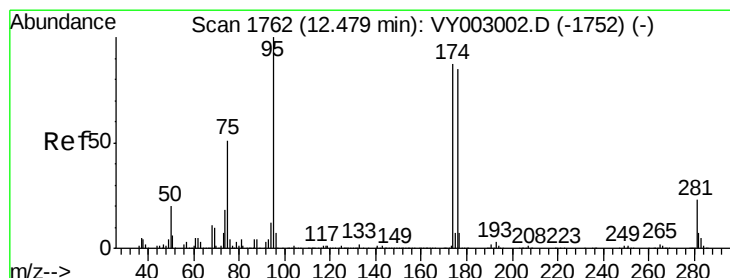
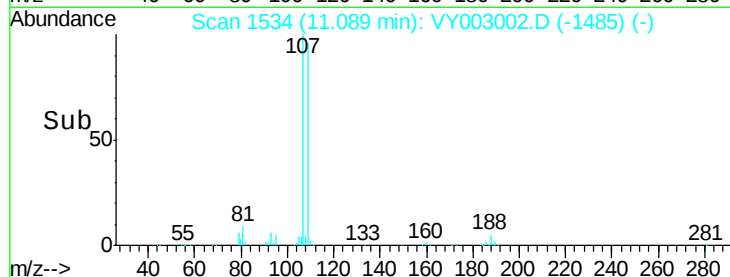
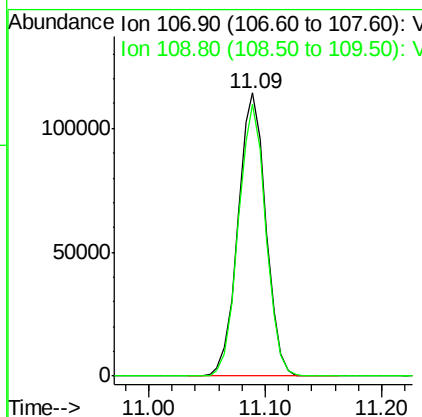
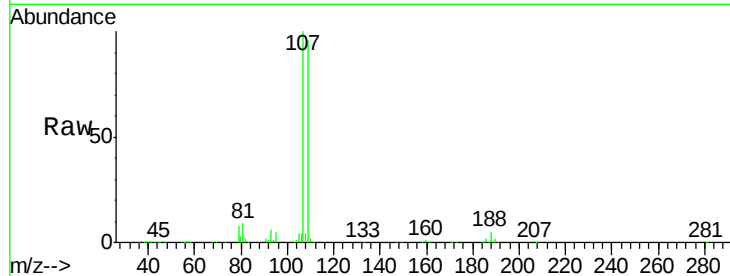
#61
 1,2-Dibromoethane
 Concen: 50.269 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	190310		
109	94.8	75.8	113.8	

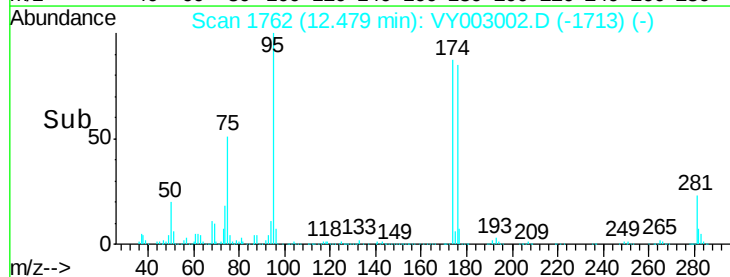
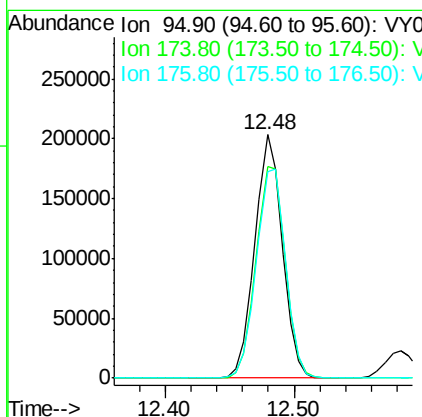
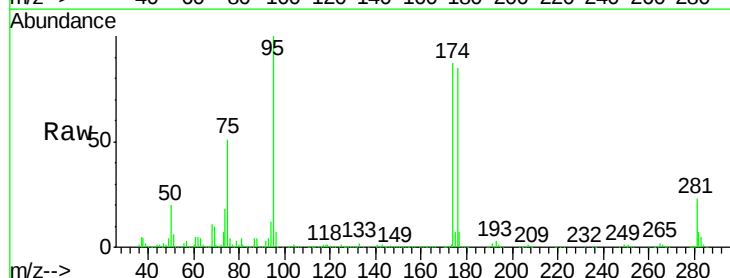
Manual Integrations
 APPROVED

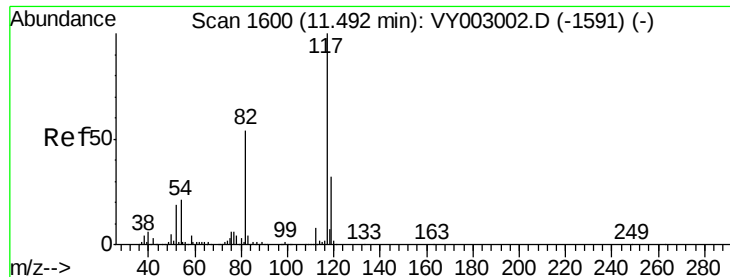
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#62
 4-Bromofluorobenzene
 Concen: 52.352 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	298673		
174	92.4	0.0	184.8	
176	91.5	0.0	183.0	





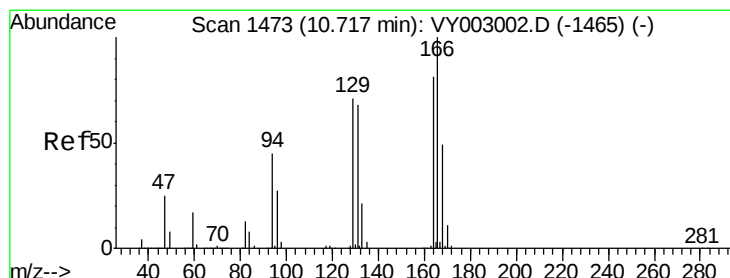
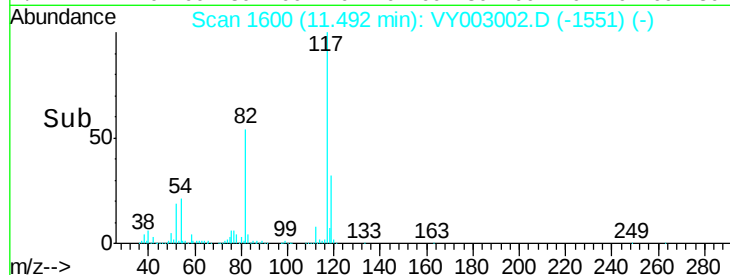
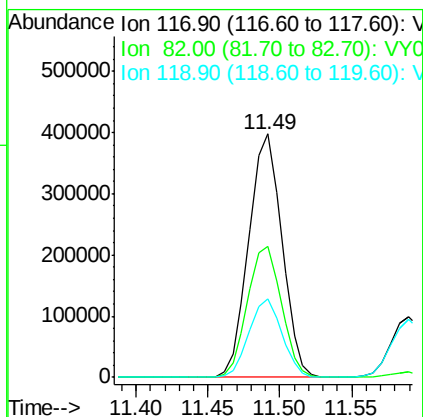
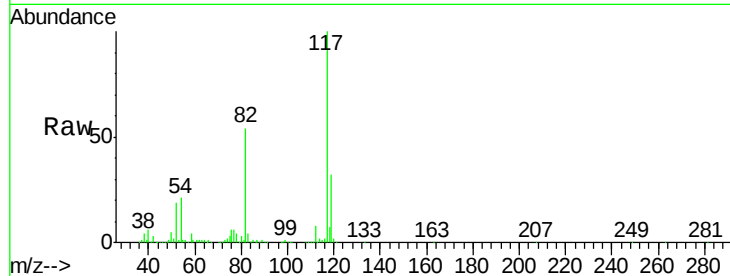
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.0	64.6
119	32.3	25.8	38.8

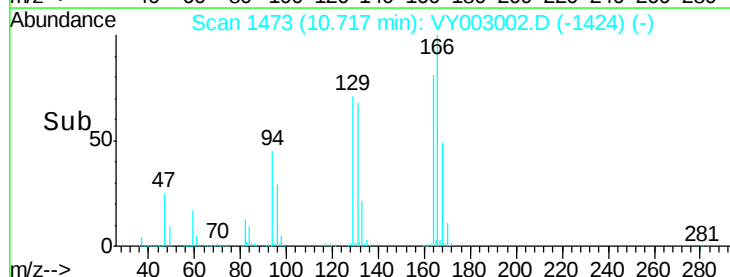
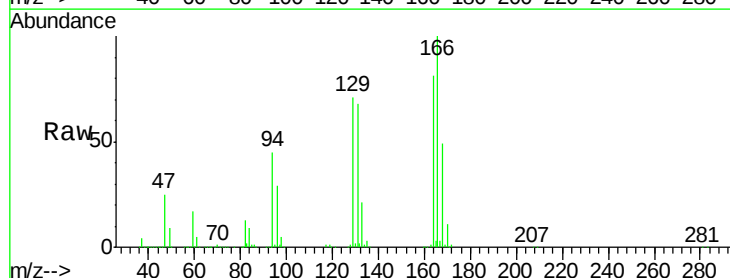
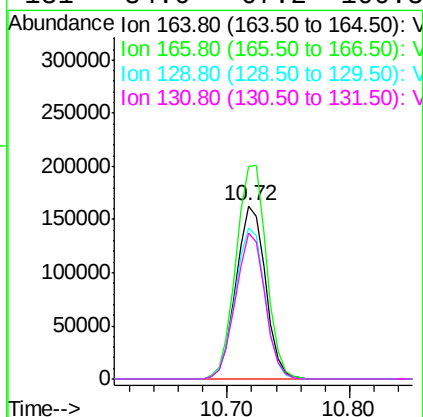
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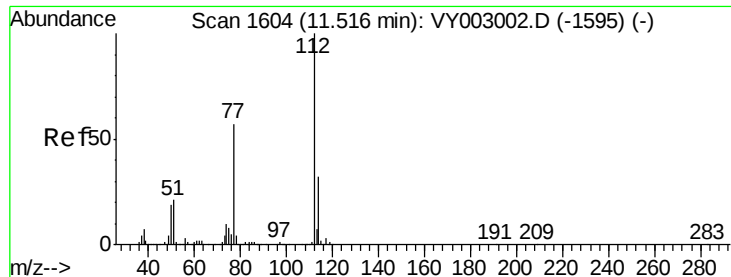
MMDadoda
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#64
Tetrachloroethene
Concen: 50.473 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	98.5	147.7
129	87.1	69.7	104.5
131	84.0	67.2	100.8





#65

Chlorobenzene

Concen: 49.712 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 623442

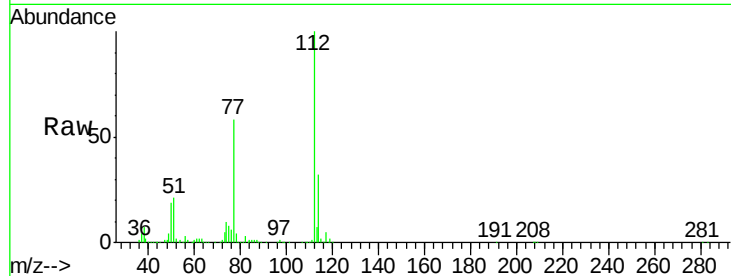
Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

400000

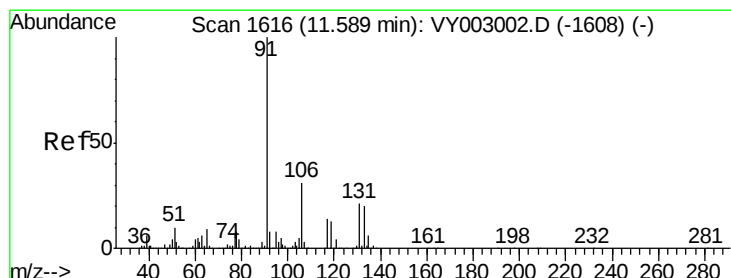
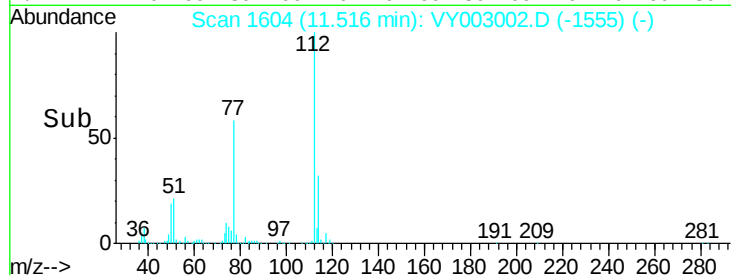
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 50.364 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

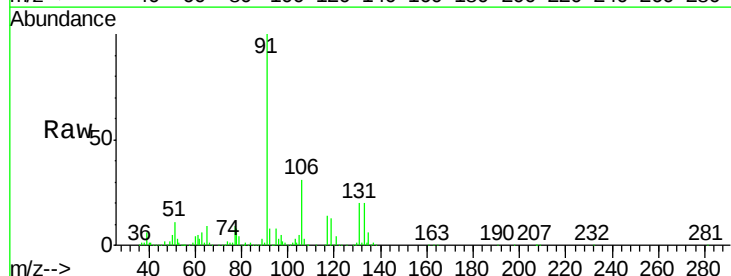
Tgt Ion:131 Resp: 246599

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.8

119 63.5 31.8 95.3



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

200000

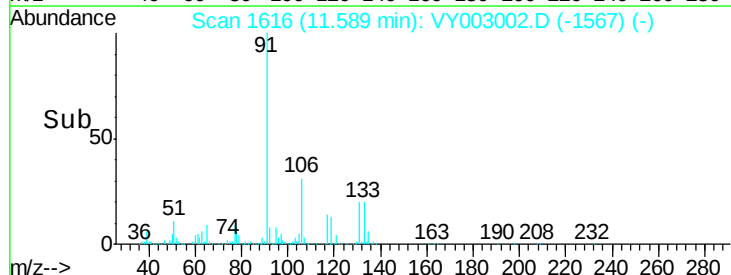
150000

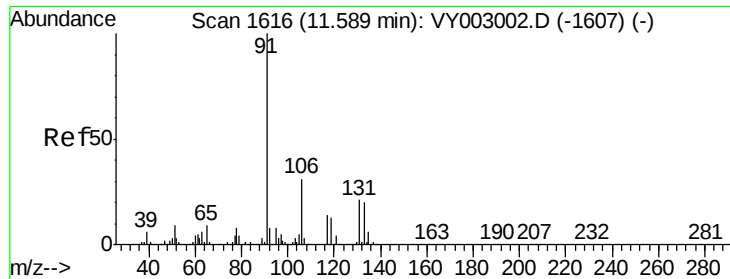
100000

50000

0

Time--> 11.50 11.60





#67

Ethyl Benzene

Concen: 49.650 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1139140

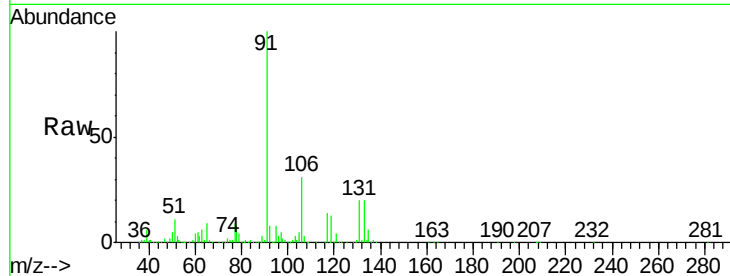
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

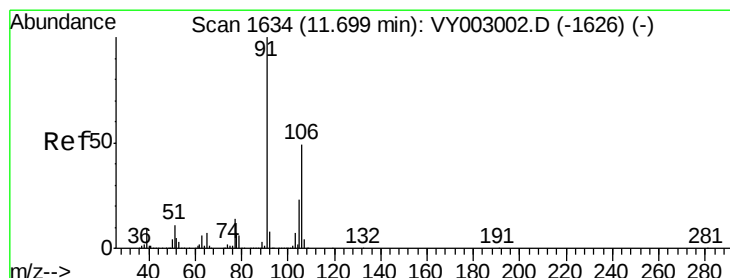
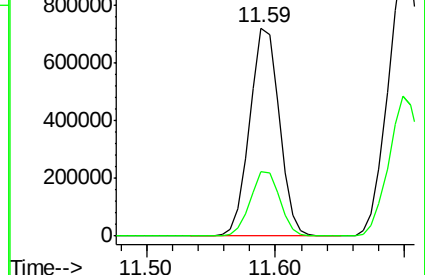
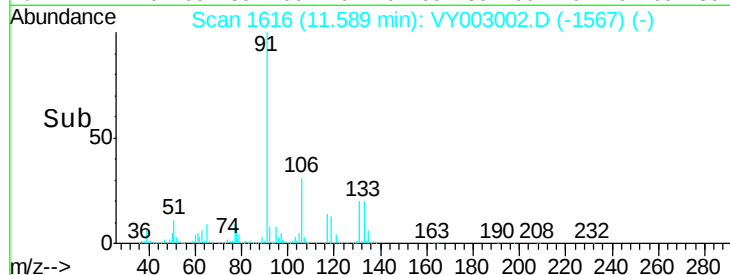
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Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY003002.D (-1607) (-)



#68

m/p-Xylenes

Concen: 100.796 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003002.D

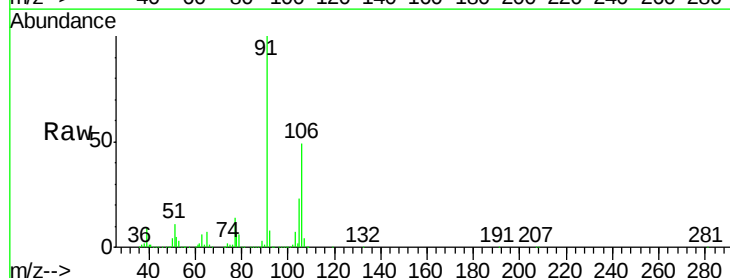
Acq: 29 Jun 2020 12:17

Tgt Ion: 106 Resp: 860706

Ion Ratio Lower Upper

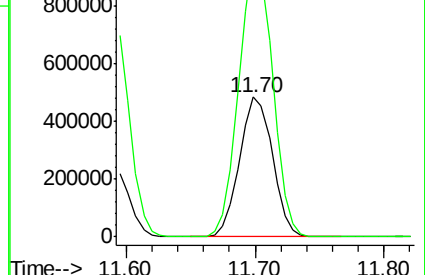
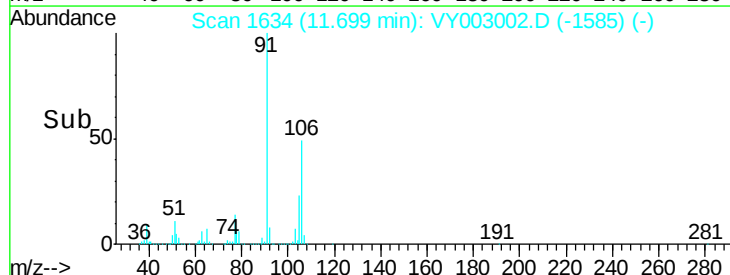
106 100

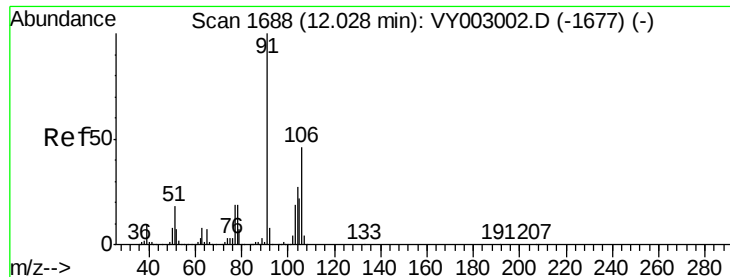
91 202.4 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): VY003002.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY003002.D (-1626) (-)





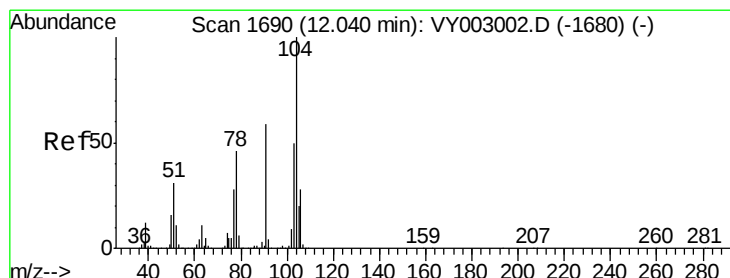
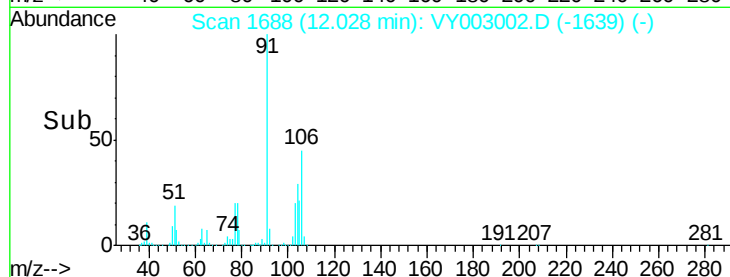
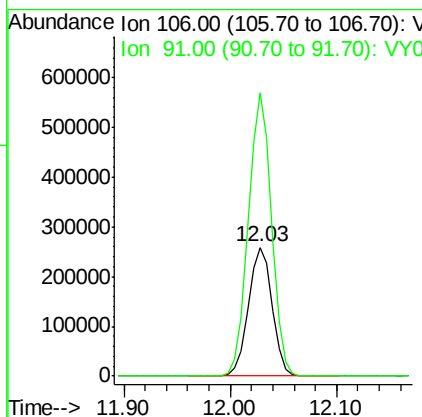
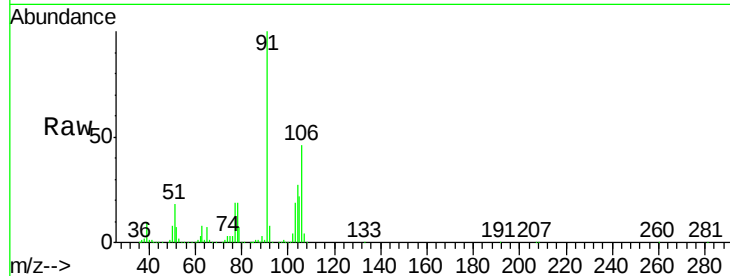
#69
o-Xylene
Concen: 50.202 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 403954
Ion Ratio Lower Upper
106 100
91 215.9 107.9 323.8

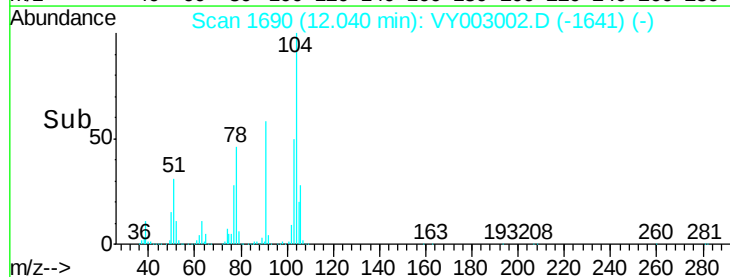
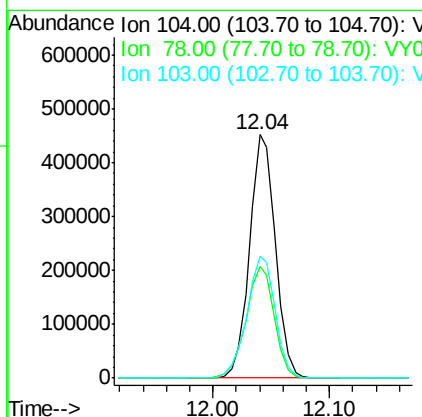
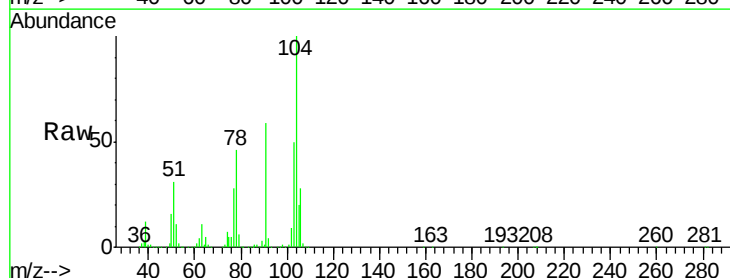
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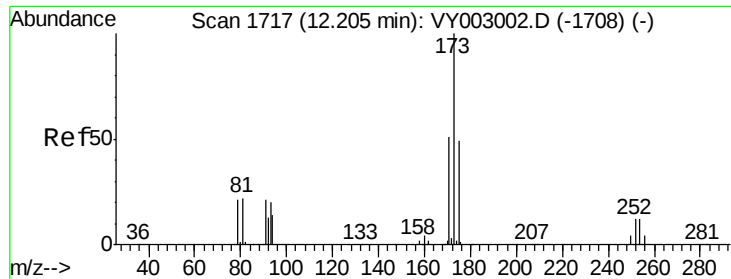
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#70
Styrene
Concen: 50.651 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion:104 Resp: 696282
Ion Ratio Lower Upper
104 100
78 50.5 40.4 60.6
103 55.1 44.1 66.1





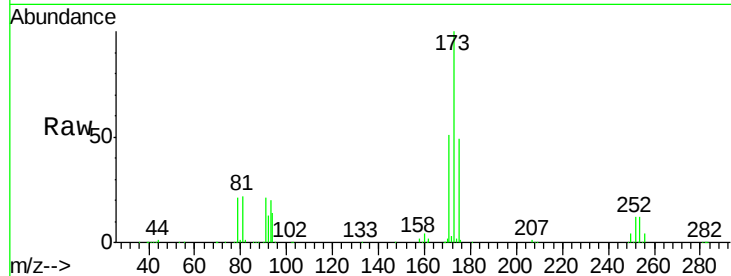
#71
Bromoform
Concen: 51.988 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

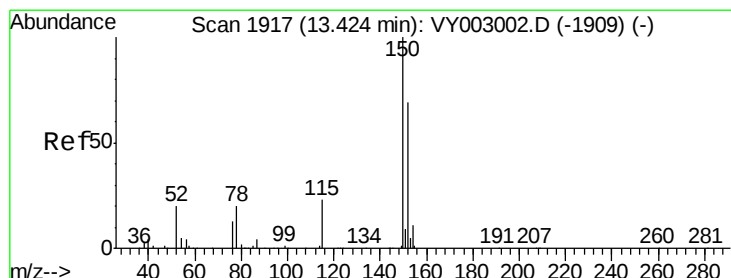
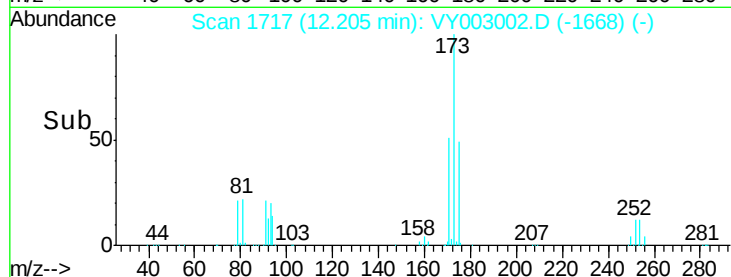
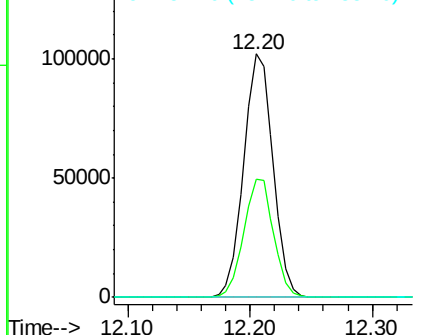
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
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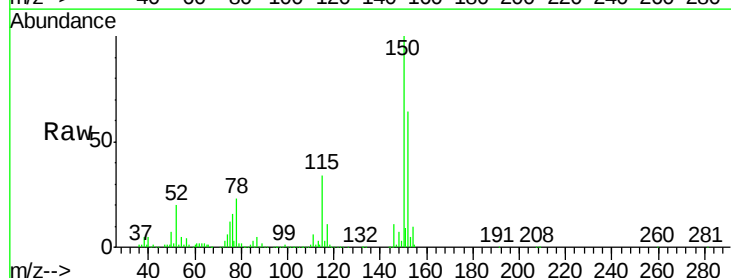


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

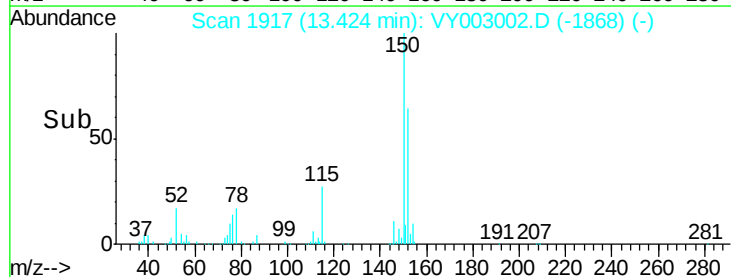
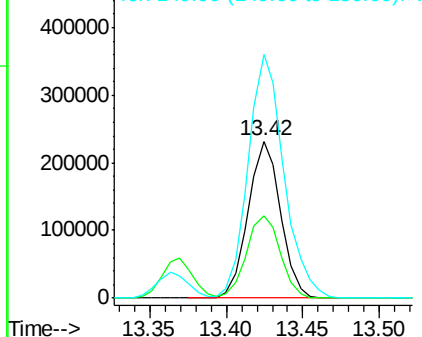


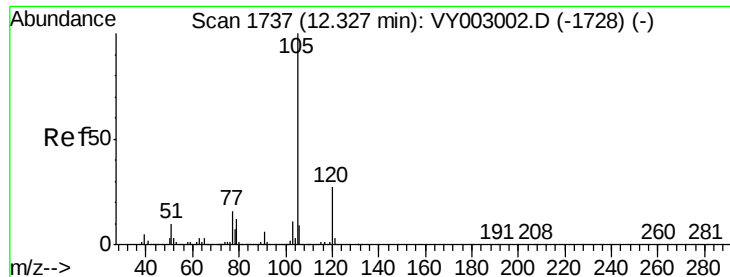
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	171.7	0.0	343.4



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





#73

Isopropylbenzene

Concen: 49.336 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1104494

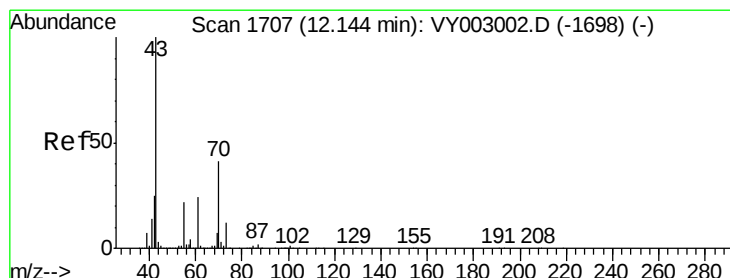
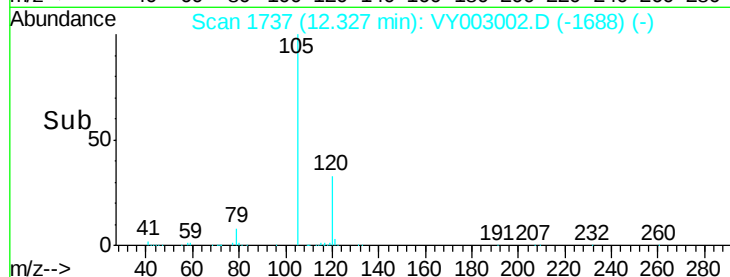
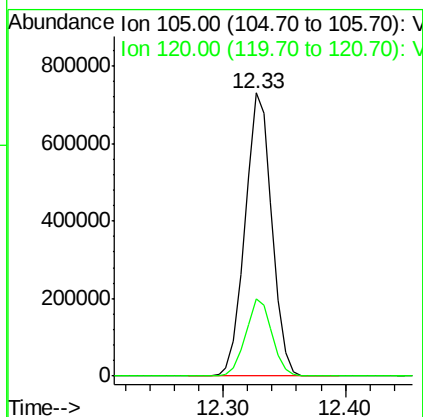
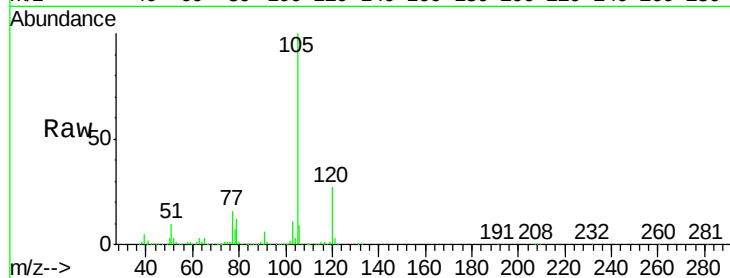
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 51.097 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion: 43 Resp: 372394

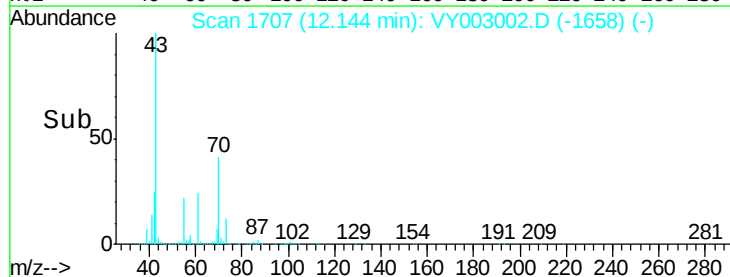
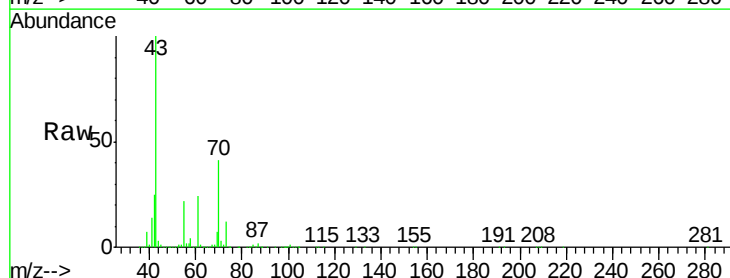
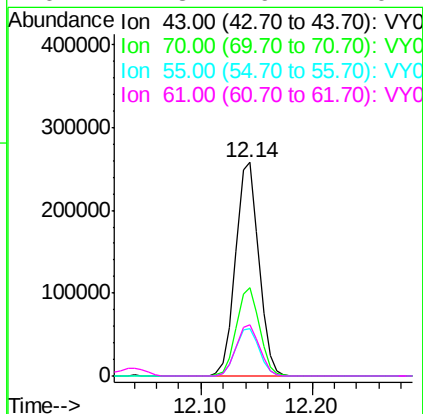
Ion Ratio Lower Upper

43 100

70 41.2 33.0 49.4

55 22.7 18.2 27.2

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.609 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

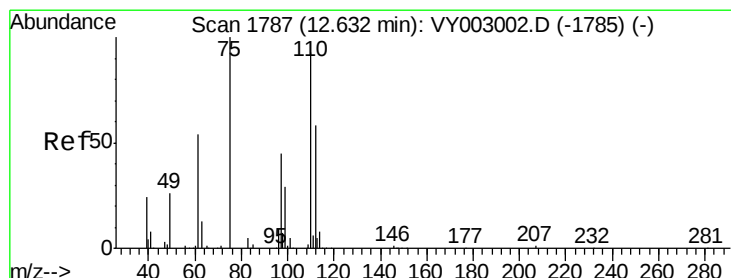
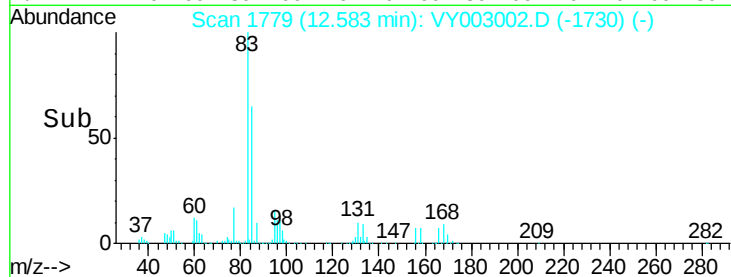
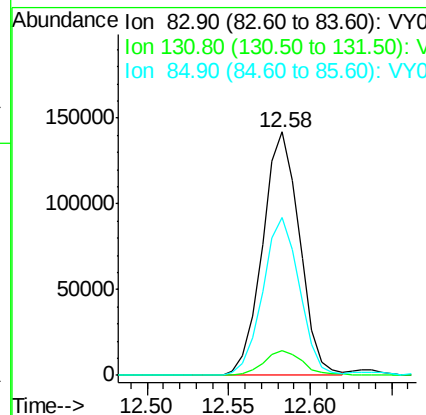
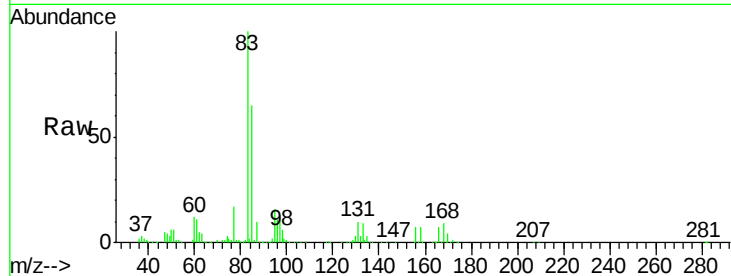
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	224121
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 29.228 ug/l m

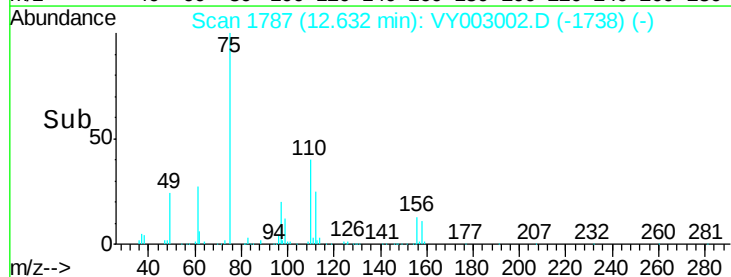
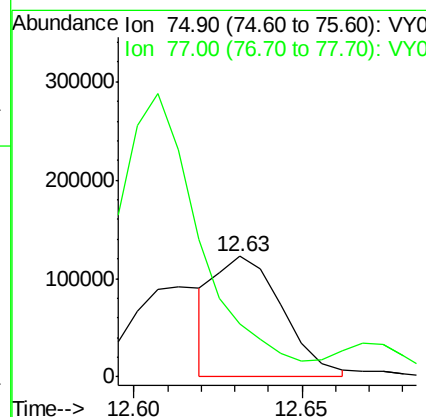
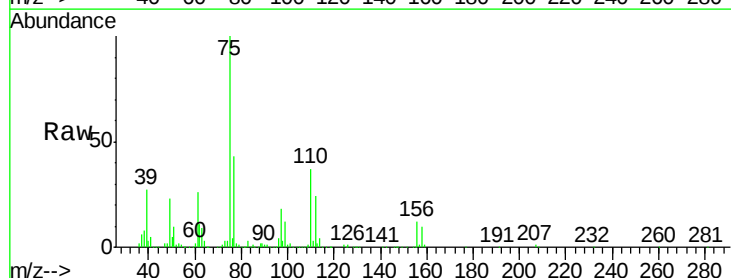
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	75	Resp:	170891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.057 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

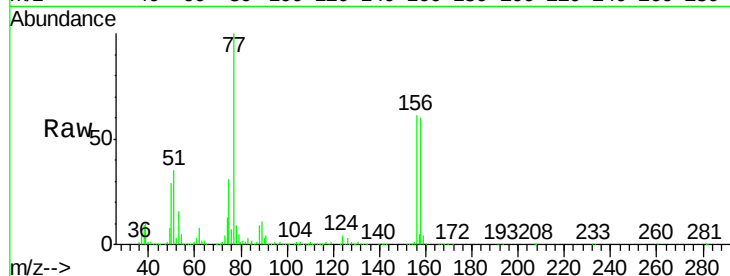
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	281587
Ion Ratio	Lower	Upper	
156	100		
77	180.0	90.0	270.0
158	97.0	48.5	145.5

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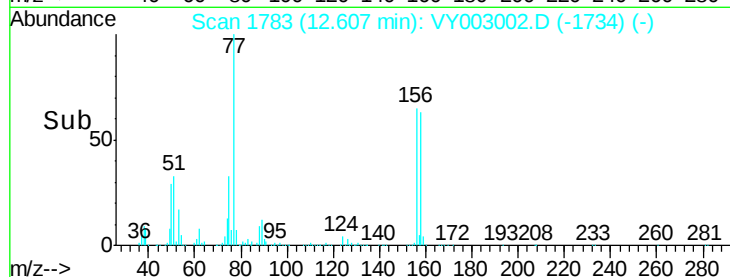
Abundance Ion 155.80 (155.50 to 156.50): VY003002.D (-1775) (-)

Ion 77.00 (76.70 to 77.70): VY003002.D (-1775) (-)

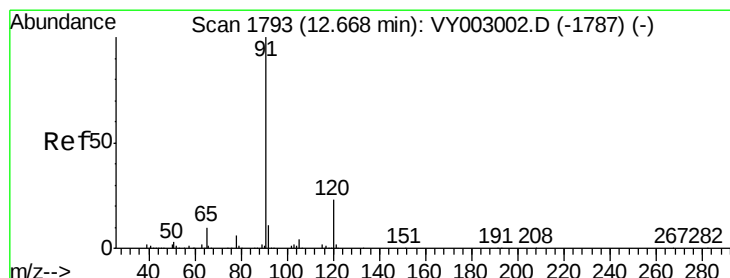
Ion 157.80 (157.50 to 158.50): VY003002.D (-1775) (-)

12.61

Time-->



Time-->



#78

n-propylbenzene

Concen: 49.432 ug/l

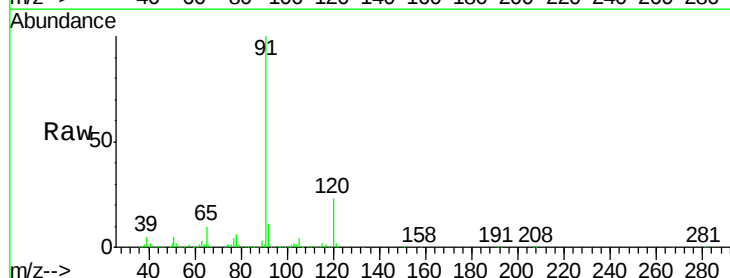
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	91	Resp:	1330877
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5

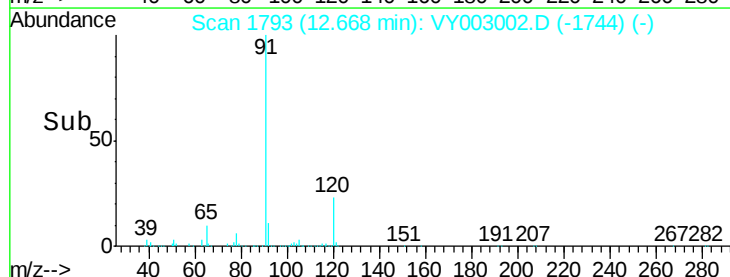


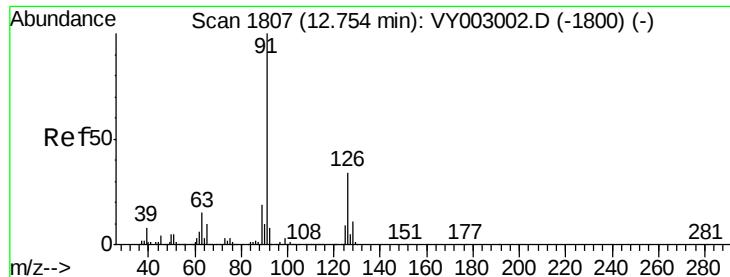
Abundance Ion 91.00 (90.70 to 91.70): VY003002.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VY003002.D (-1787) (-)

12.67

Time-->





#79

2-Chlorotoluene

Concen: 49.157 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 738740

Ion Ratio Lower Upper

91 100

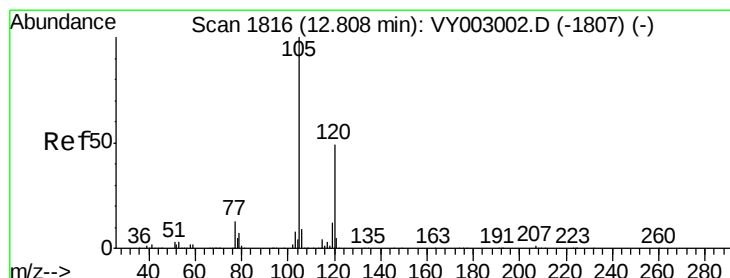
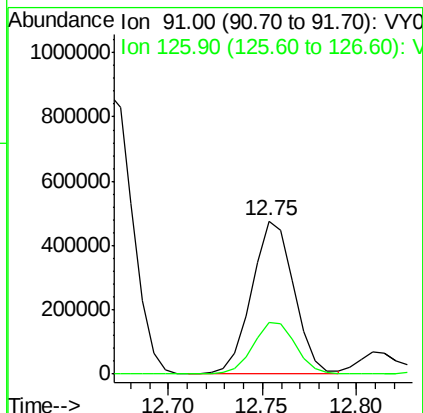
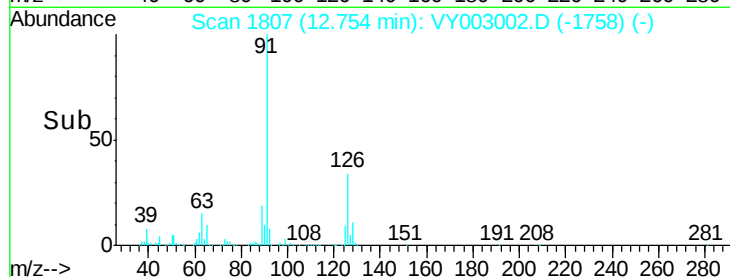
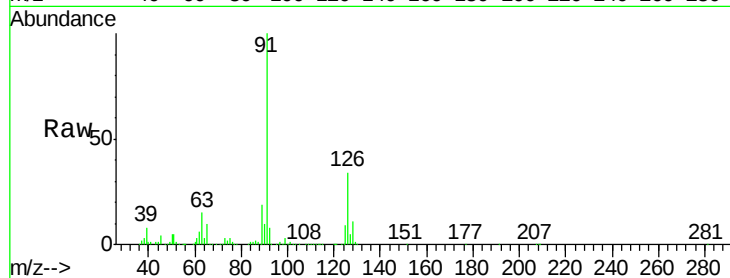
126 34.2 17.1 51.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.516 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003002.D

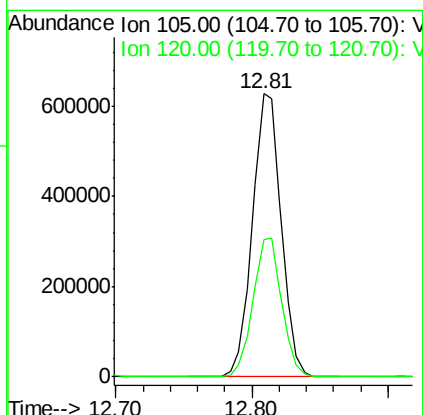
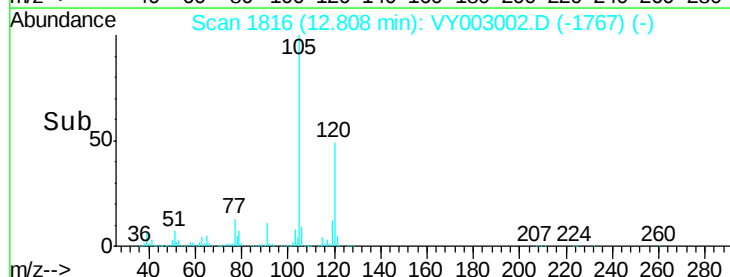
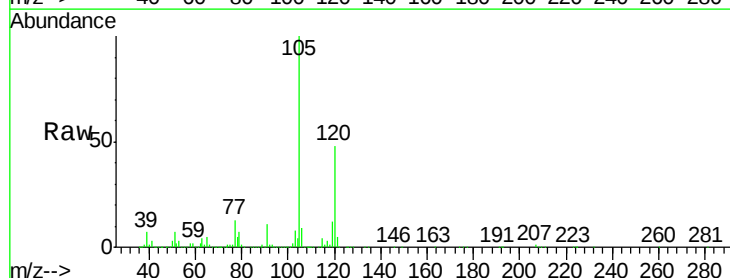
Acq: 29 Jun 2020 12:17

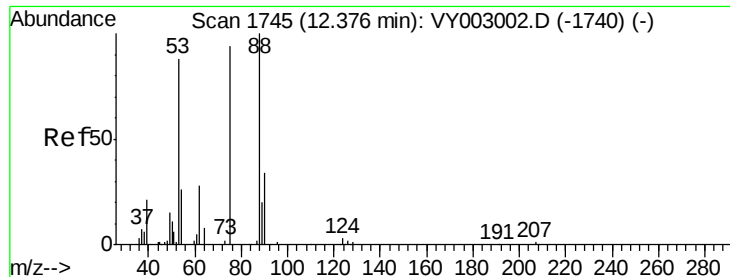
Tgt Ion: 105 Resp: 930201

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.056 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

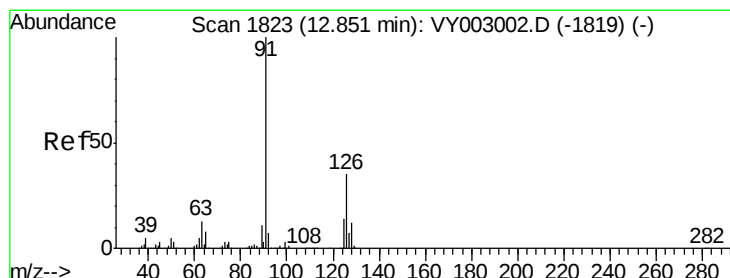
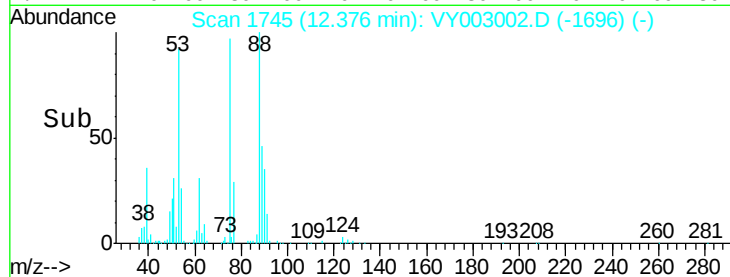
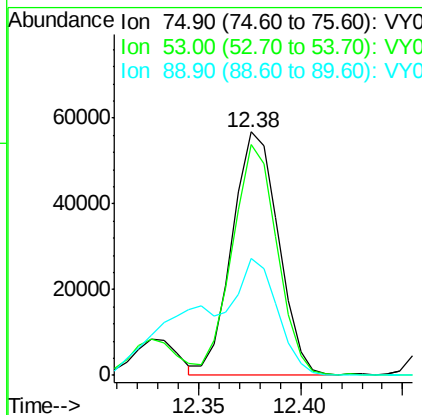
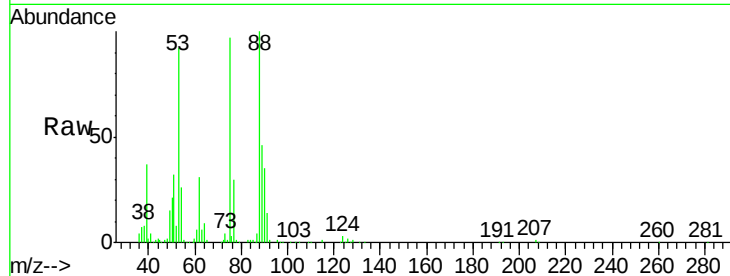
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	88840
Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.9	110.9
89	46.9	37.5	56.3

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#82

4-Chlorotoluene

Concen: 49.565 ug/l

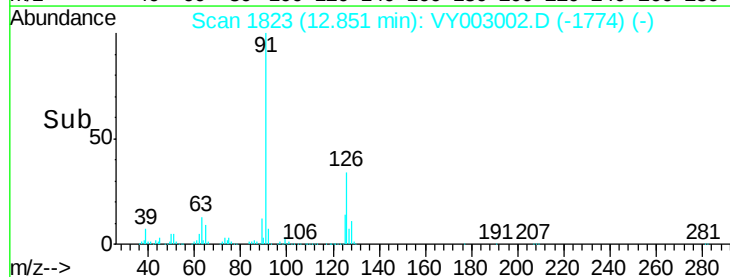
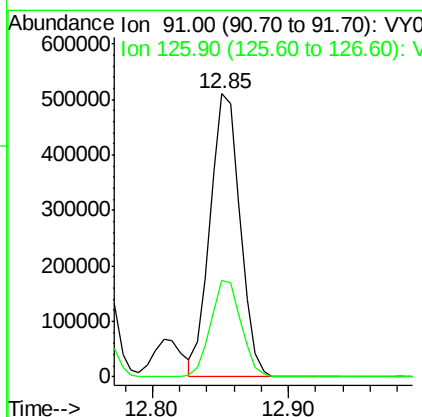
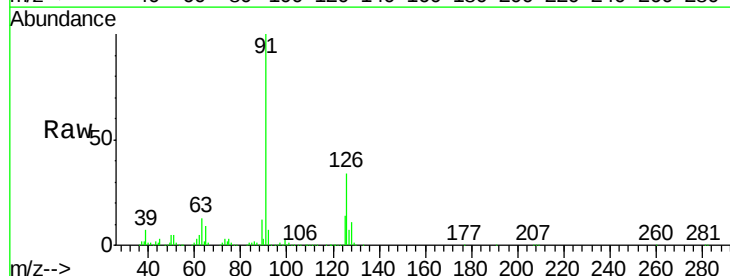
RT: 12.85 min Scan# 1823

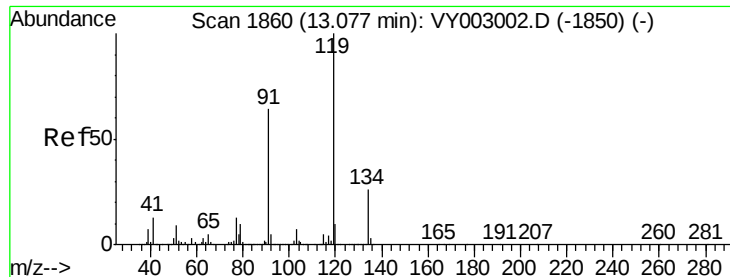
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	91	Resp:	775522
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3





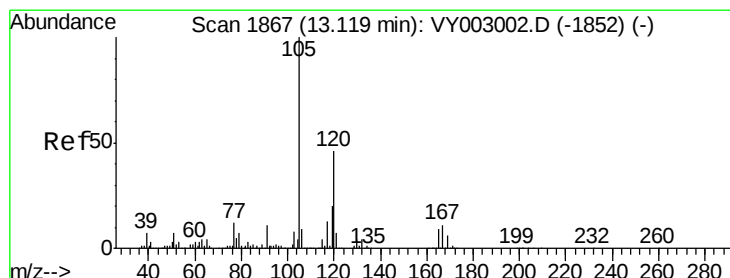
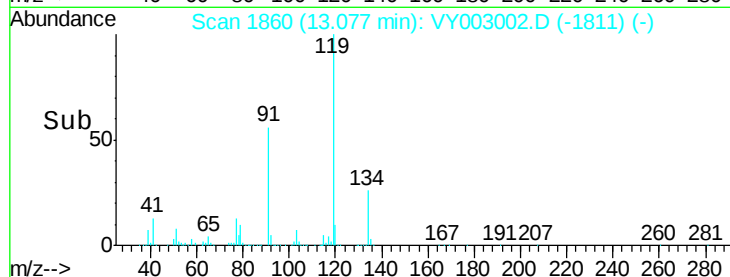
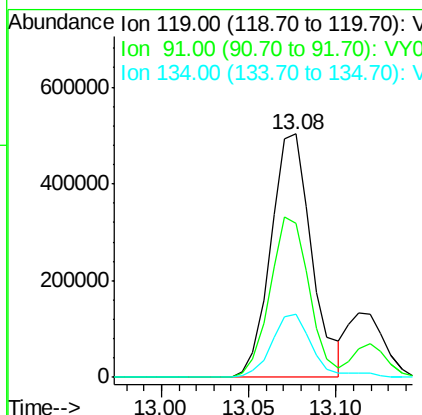
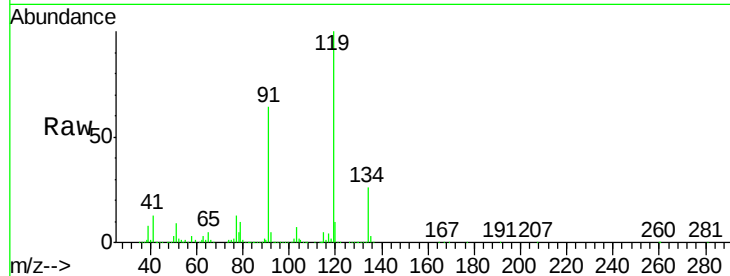
#83
 tert-Butylbenzene
 Concen: 49.723 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	26.3	13.2	39.5

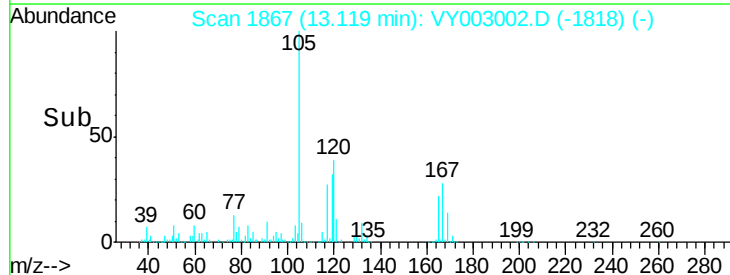
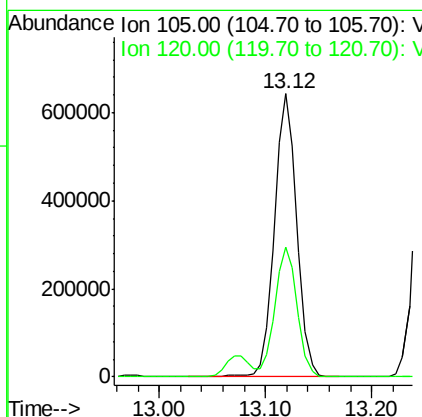
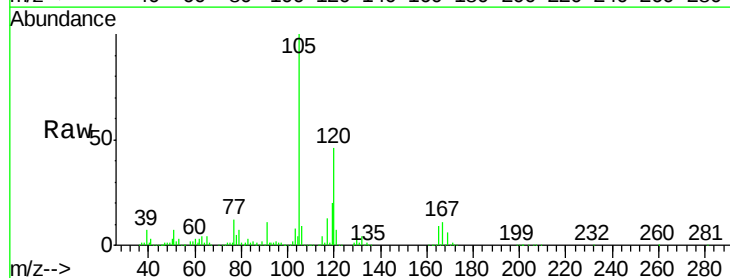
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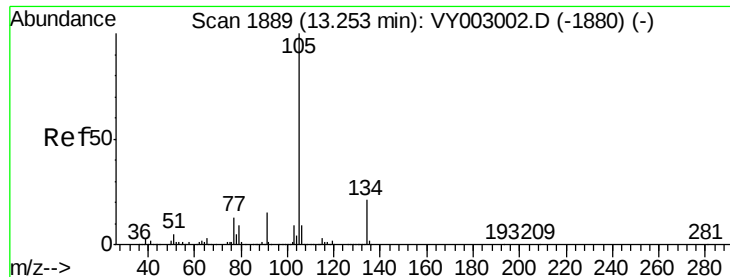
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.498 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 49.764 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1131457

Ion Ratio Lower Upper

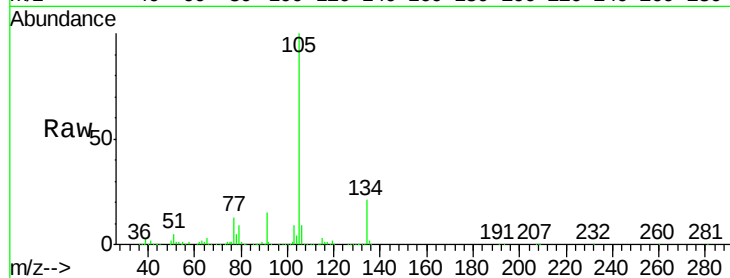
105 100

134 20.8 10.4 31.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

0

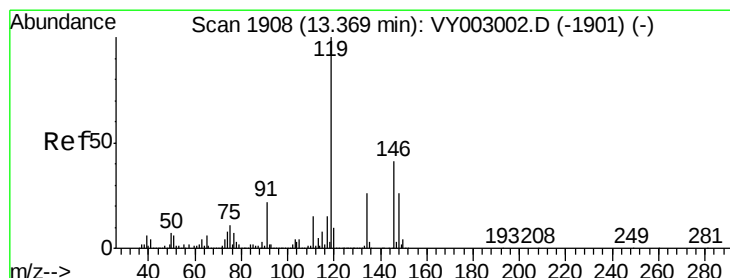
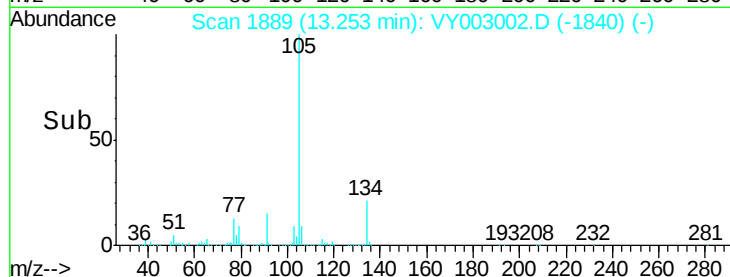
13.25

13.20

13.15

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 49.933 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

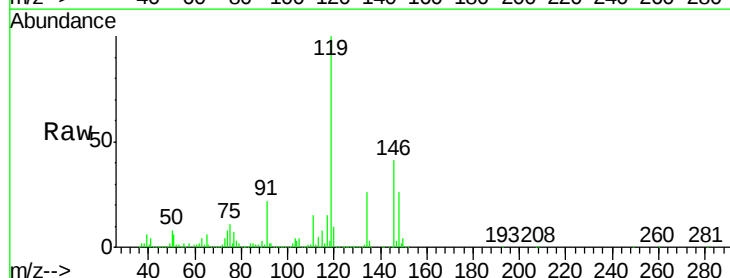
Tgt Ion:119 Resp: 1051995

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 23.0 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

1000000

800000

600000

400000

200000

0

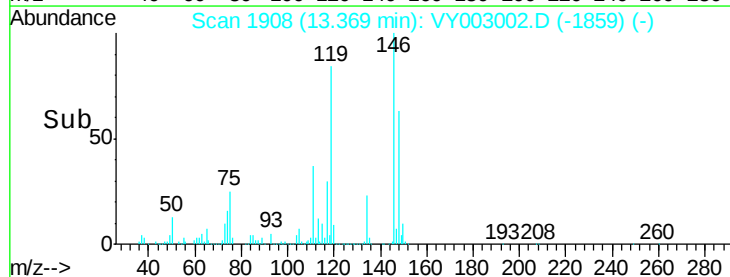
13.37

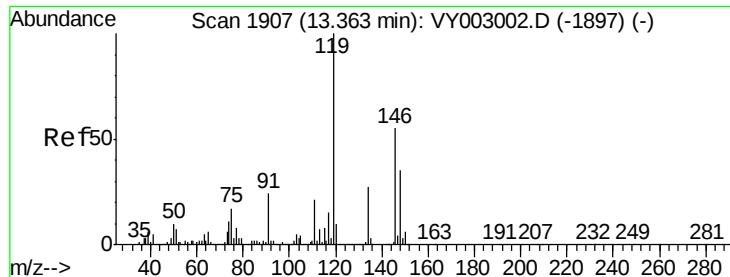
13.35

13.30

13.40

Time-->





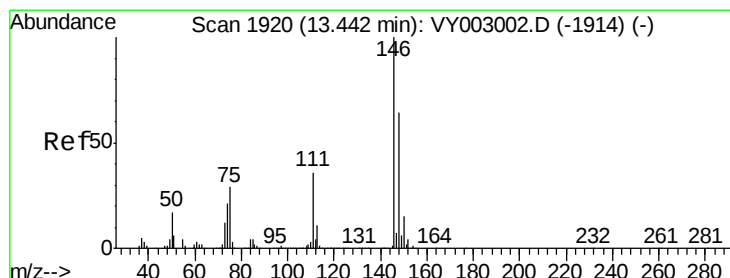
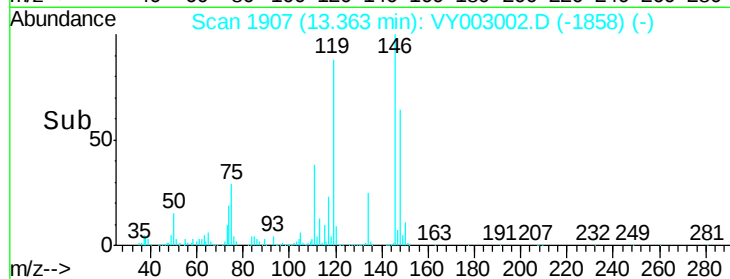
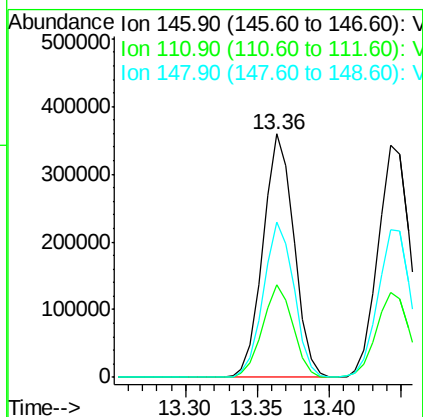
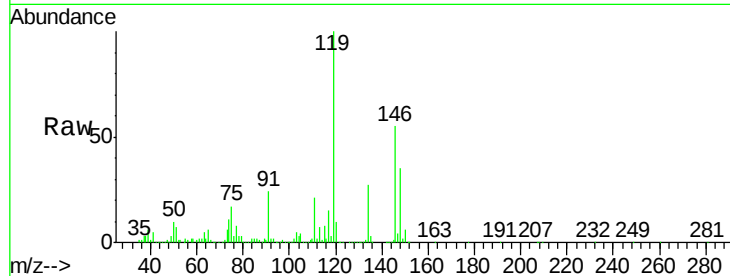
#87
 1,3-Dichlorobenzene
 Concen: 49.739 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	533019		
111	37.5	18.8	56.3	
148	63.5	31.8	95.3	

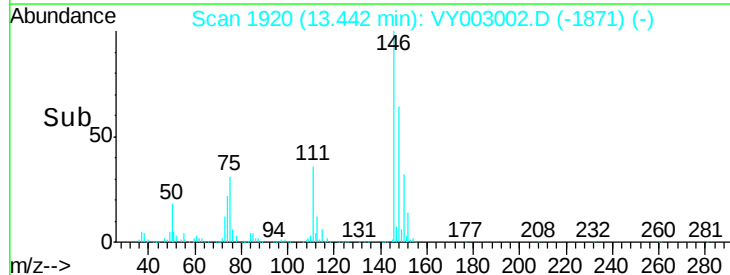
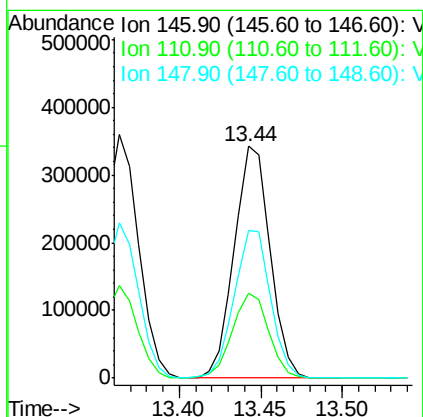
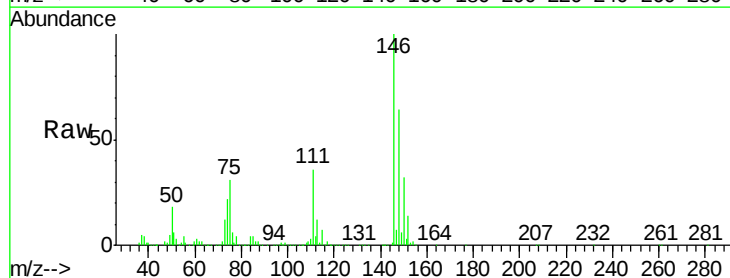
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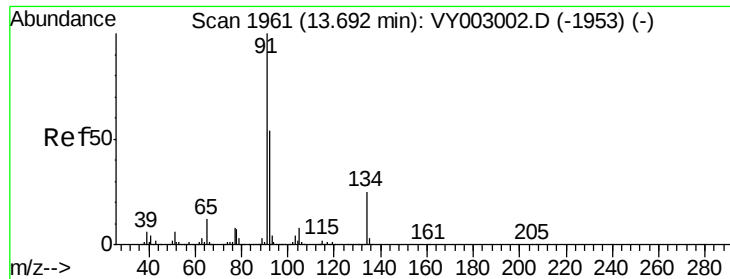
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#88
 1,4-Dichlorobenzene
 Concen: 49.678 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	524960		
111	36.9	18.4	55.4	
148	64.6	32.3	96.9	





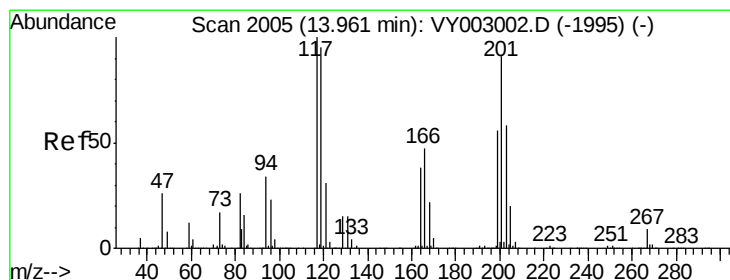
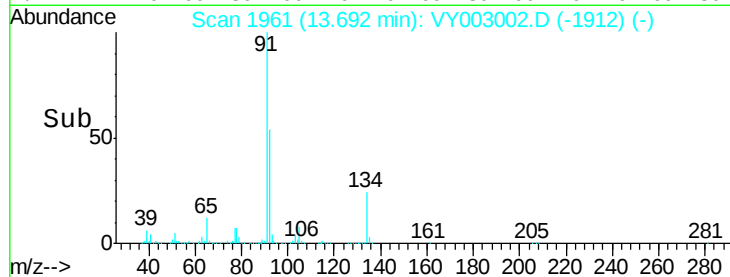
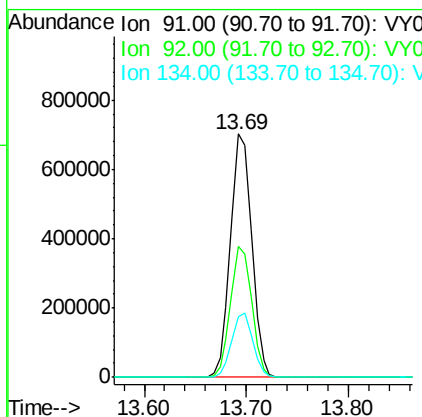
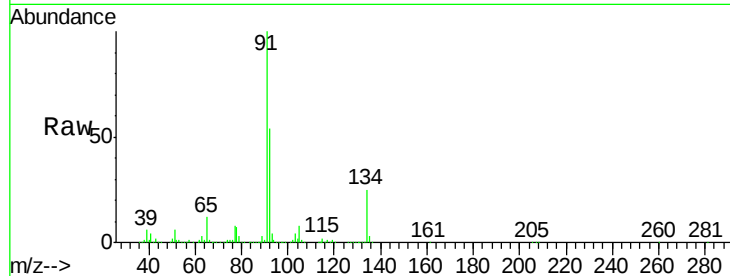
#89
n-Butylbenzene
Concen: 50.259 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	26.1	13.1	39.1

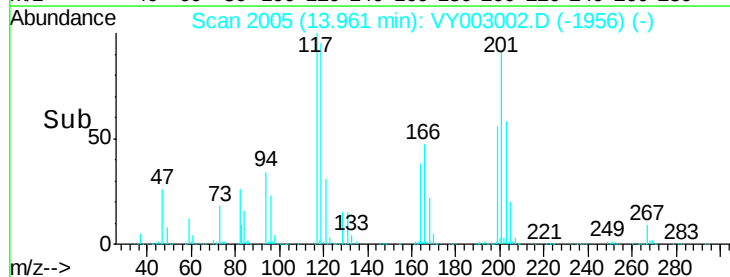
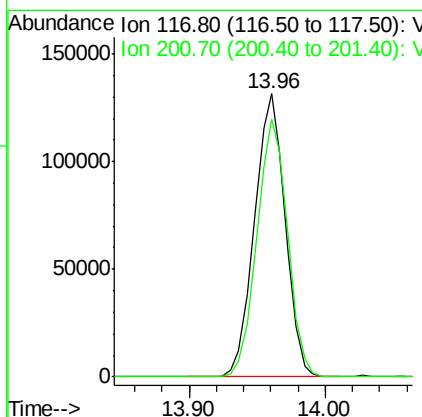
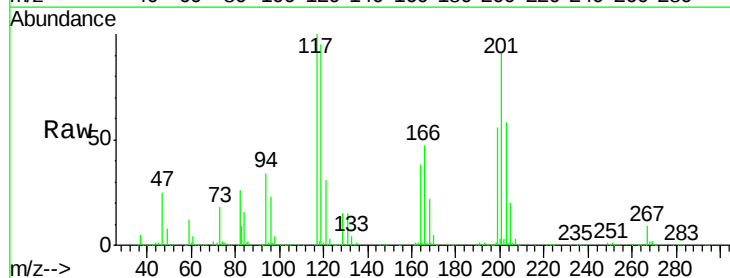
Manual Integrations
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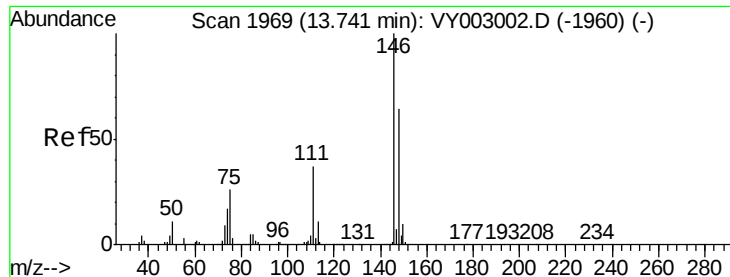
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#90
Hexachloroethane
Concen: 49.752 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.5	136.4





#91

1,2-Dichlorobenzene

Concen: 50.164 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Instrument :

MSVOA_Y

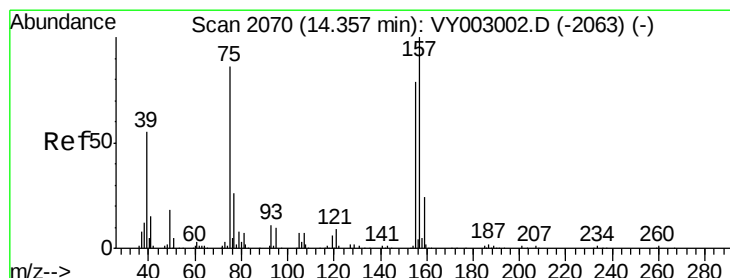
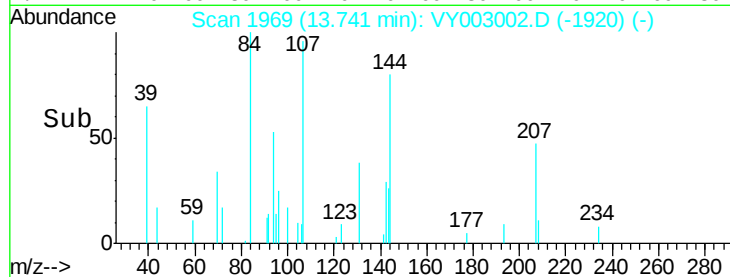
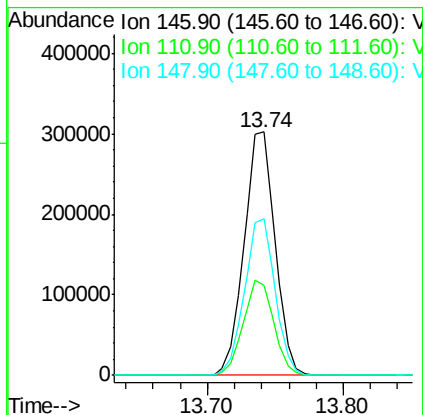
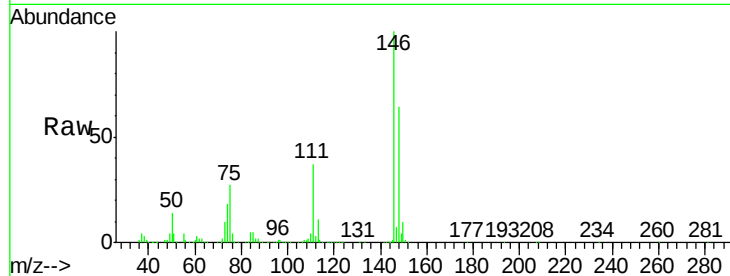
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	482320
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.5
148	63.5	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.740 ug/l

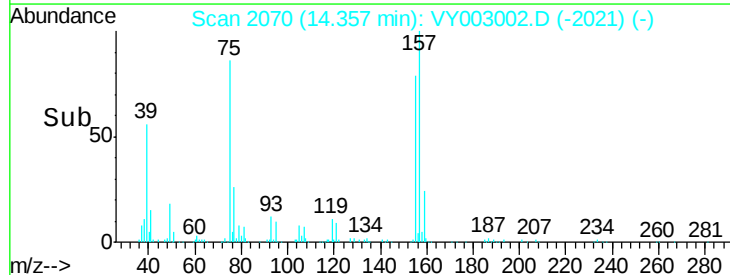
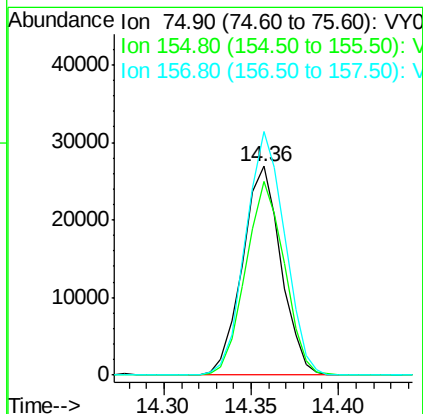
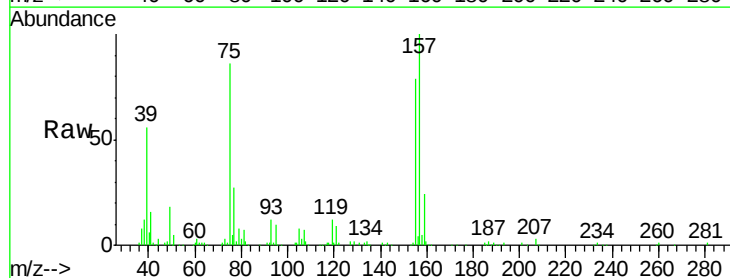
RT: 14.36 min Scan# 2070

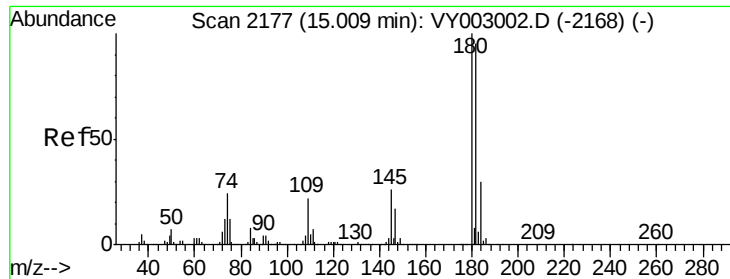
Delta R.T. 0.00 min

Lab File: VY003002.D

Acq: 29 Jun 2020 12:17

Tgt Ion:	75	Resp:	41379
Ion Ratio	Lower	Upper	
75	100		
155	92.9	46.5	139.3
157	118.3	59.2	177.5





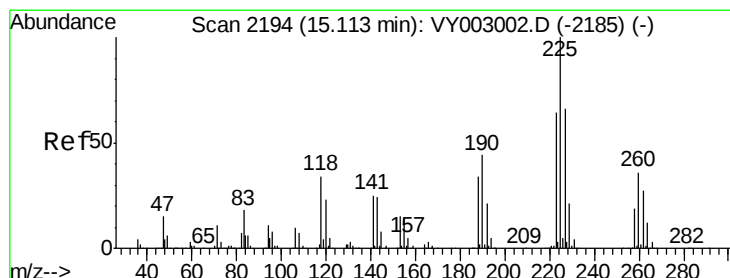
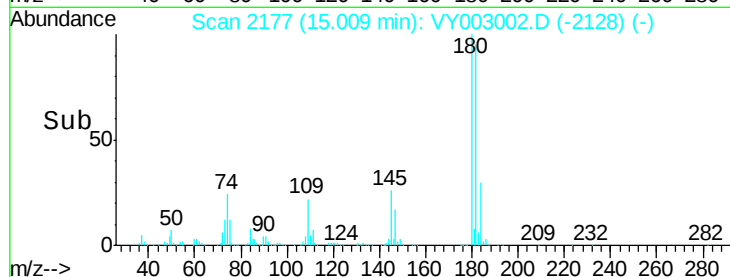
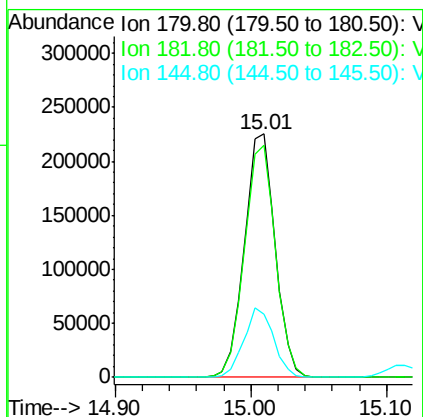
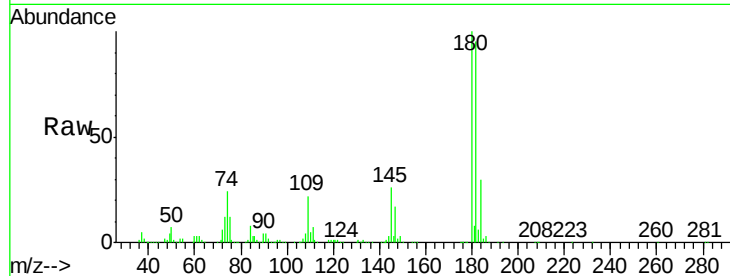
#93
 1,2,4-Trichlorobenzene
 Concen: 49.914 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	48.1	144.3	
145	27.7	13.9	41.6	

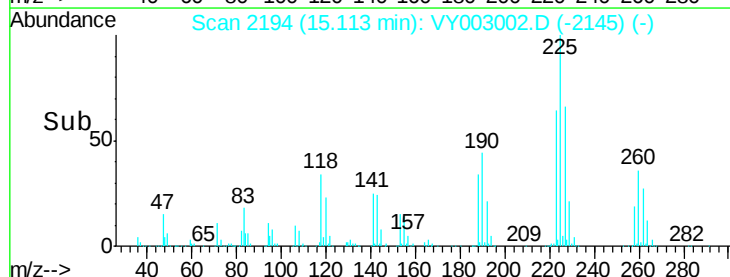
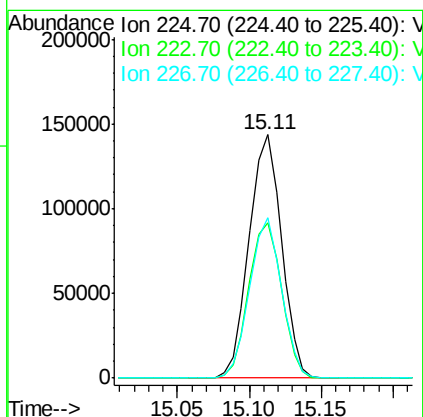
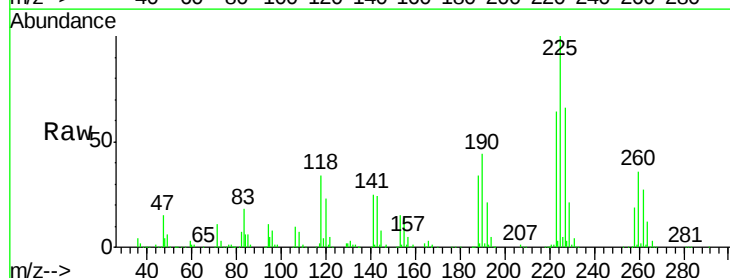
Manual Integrations
 APPROVED

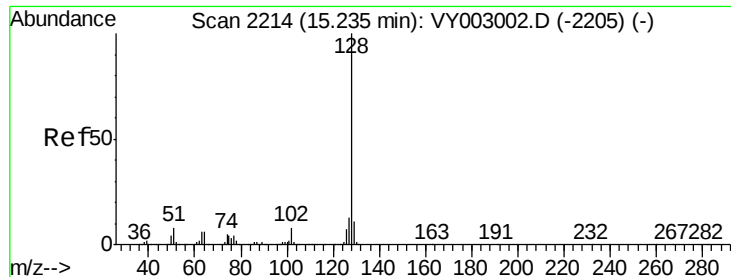
MMDadoda
 6/30/2020 12:54:08 PM



#94
 Hexachlorobutadiene
 Concen: 49.725 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003002.D
 Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.7	32.4	97.0	
227	64.8	32.4	97.2	





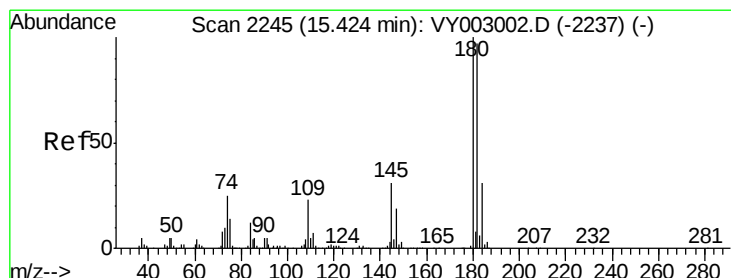
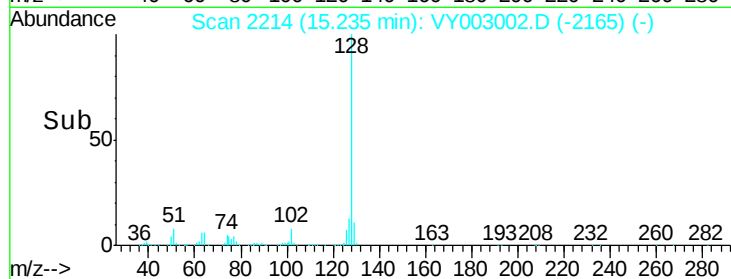
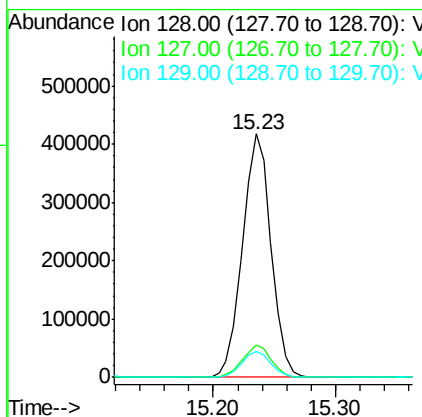
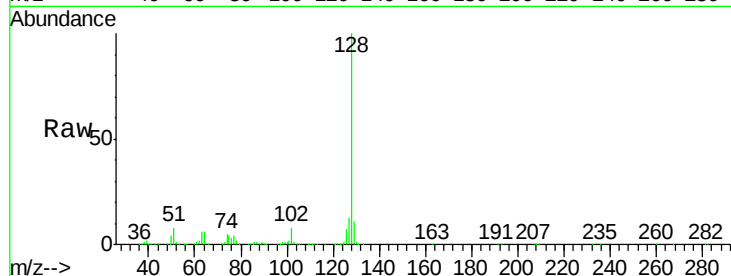
#95
Naphthalene
Concen: 51.509 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/30/2020 12:54:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.888 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003002.D
Acq: 29 Jun 2020 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	29.4	14.7	44.1

