

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
 Data File : VY002518.D
 Acq On : 01 May 2020 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:08 PM

Quant Time: May 04 13:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	385621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	567832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	513286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	265343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	166705	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	170627	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.19	98	666462	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.49	95	224701	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	170923	53.512	ug/l	99
3) Chloromethane	2.12	50	177621	56.853	ug/l	99
4) Vinyl Chloride	2.26	62	202444	56.117	ug/l	98
5) Bromomethane	2.66	94	127535	51.264	ug/l	99
6) Chloroethane	2.80	64	111992	51.991	ug/l	100
7) Trichlorofluoromethane	3.14	101	286192	51.187	ug/l	99
8) Diethyl Ether	3.54	74	97451	51.866	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	172080	50.358	ug/l	99
10) Methyl Iodide	4.11	142	244330	52.482	ug/l	99
11) Tert butyl alcohol	4.97	59	76316	228.776	ug/l	99
12) 1,1-Dichloroethene	3.89	96	169899	51.180	ug/l	97
13) Acrolein	3.74	56	62026	268.890	ug/l	97
14) Allyl chloride	4.50	41	252452	52.195	ug/l	100
15) Acrylonitrile	5.19	53	228248	257.600	ug/l	99
16) Acetone	3.96	43	193391	289.008	ug/l	100
17) Carbon Disulfide	4.21	76	542546	54.327	ug/l	100
18) Methyl Acetate	4.49	43	111114	49.697	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	443110	51.162	ug/l	99
20) Methylene Chloride	4.74	84	179865	48.067	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	188718	52.013	ug/l	94
22) Diisopropyl ether	6.14	45	501897	51.284	ug/l	97
23) Vinyl Acetate	6.08	43	1618853	263.026	ug/l	99
24) 1,1-Dichloroethane	6.04	63	295643	51.064	ug/l	99
25) 2-Butanone	7.00	43	285730	260.854	ug/l	98
26) 2,2-Dichloropropane	7.00	77	273697	49.733	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	201897	50.290	ug/l	99
28) Bromochloromethane	7.35	49	124093	52.313	ug/l	100
29) Tetrahydrofuran	7.36	42	190468	262.819	ug/l	100
30) Chloroform	7.52	83	303920	50.485	ug/l	100
31) Cyclohexane	7.80	56	285839	49.048	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	284257	50.802	ug/l	99
36) 1,1-Dichloropropene	7.93	75	245332	51.538	ug/l	99
37) Ethyl Acetate	7.09	43	128641	52.589	ug/l	99
38) Carbon Tetrachloride	7.92	117	266825	51.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	324536	51.618	ug/l	98
40) Benzene	8.17	78	704845	51.267	ug/l	99
41) Methacrylonitrile	7.34	41	68835m	52.337	ug/l	
42) 1,2-Dichloroethane	8.25	62	194224	50.364	ug/l	99
43) Isopropyl Acetate	8.28	43	239754	52.281	ug/l	100
44) Trichloroethene	8.96	130	219455	51.076	ug/l	98
45) 1,2-Dichloropropane	9.23	63	169668	51.134	ug/l	99
46) Dibromomethane	9.32	93	97216	50.922	ug/l	100
47) Bromodichloromethane	9.51	83	236366	50.918	ug/l	98
48) Methyl methacrylate	9.30	41	108407	52.234	ug/l	100
49) 1,4-Dioxane	9.31	88	25505	1009.008	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	621575	262.966	ug/l	100
52) Toluene	10.25	92	449864	50.914	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	254400	52.305	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	289605	51.506	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	140974	50.637	ug/l	99
56) Ethyl methacrylate	10.52	69	195574	52.806	ug/l	100
57) 1,3-Dichloropropane	10.80	76	241545	51.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	488939	250.338	ug/l	99
59) 2-Hexanone	10.85	43	433505	266.466	ug/l	99
60) Dibromochloromethane	11.00	129	182018	51.404	ug/l	99
61) 1,2-Dibromoethane	11.10	107	142038	51.525	ug/l	98
64) Tetrachloroethene	10.73	164	230630	50.571	ug/l	98
65) Chlorobenzene	11.53	112	493847	50.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	187840	51.860	ug/l	98
67) Ethyl Benzene	11.60	91	880587	51.377	ug/l	99
68) m/p-Xylenes	11.71	106	679926	102.525	ug/l	100
69) o-Xylene	12.04	106	316064	50.900	ug/l	99
70) Styrene	12.05	104	549780	51.792	ug/l	99
71) Bromoform	12.22	173	119107	52.981	ug/l	100
73) Isopropylbenzene	12.34	105	867180	50.427	ug/l	99
74) N-amyl acetate	12.15	43	220766	53.367	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	139602	51.045	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	106591m	45.204	ug/l	
77) Bromobenzene	12.62	156	215442	50.144	ug/l	99
78) n-propylbenzene	12.68	91	1017597	50.991	ug/l	100
79) 2-Chlorotoluene	12.77	91	555884	50.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	725689	50.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	61478	52.279	ug/l #	74
82) 4-Chlorotoluene	12.86	91	577807	49.760	ug/l	99
83) tert-Butylbenzene	13.08	119	645895	51.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	728345	51.268	ug/l	100
85) sec-Butylbenzene	13.27	105	877543	50.597	ug/l	100
86) p-Isopropyltoluene	13.38	119	832232	51.211	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	409880	50.405	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	405647	50.378	ug/l	99
89) n-Butylbenzene	13.70	91	755069	51.039	ug/l	100
90) Hexachloroethane	13.97	117	150691	50.918	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	366297	50.482	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	26520	52.020	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	265974	50.489	ug/l	100
94) Hexachlorobutadiene	15.12	225	158881	50.245	ug/l	98
95) Naphthalene	15.25	128	496130	51.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	227690	50.914	ug/l	99

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

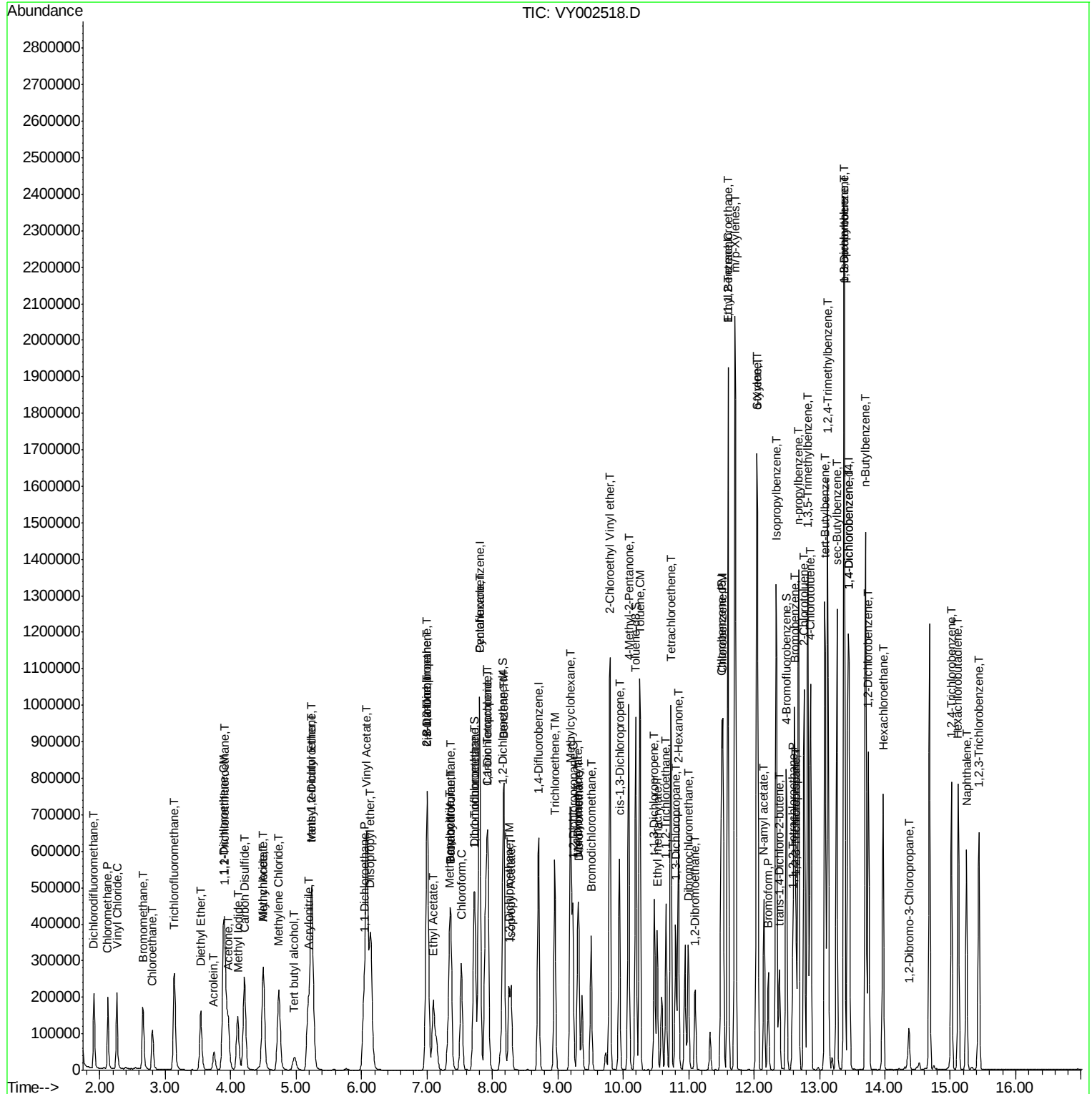
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
Data File : VY002518.D
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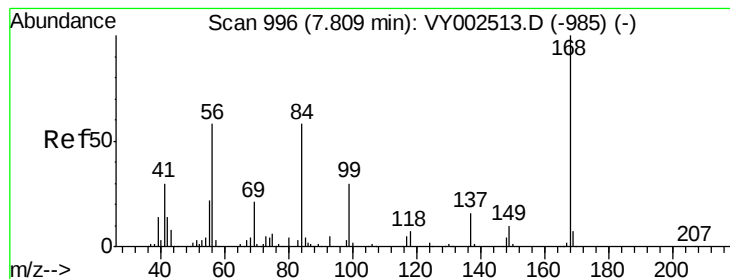
Instrument :
MSVOA_Y
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 385621

Ion Ratio Lower Upper

168 100

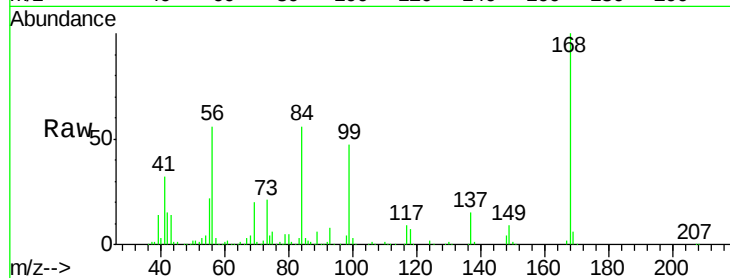
99 46.9 39.2 58.8

Manual Integrations

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5/4/2020 2:19:08 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002518.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002518.D (-947) (-)

7.81

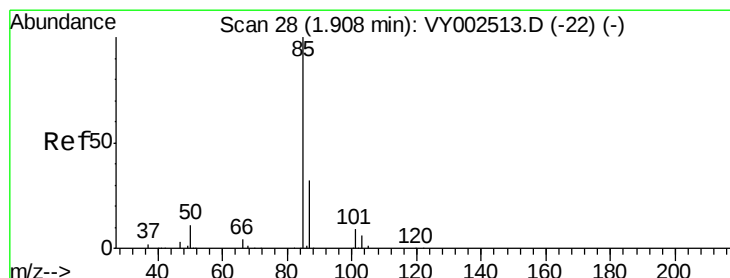
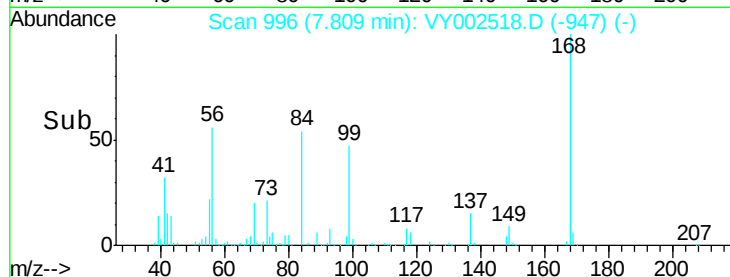
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.512 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002518.D

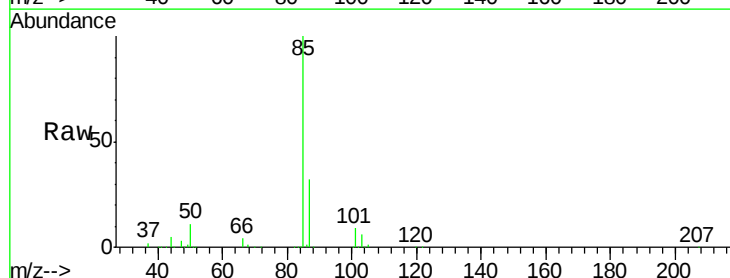
Acq: 01 May 2020 10:00

Tgt Ion: 85 Resp: 170923

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002518.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002518.D (-1) (-)

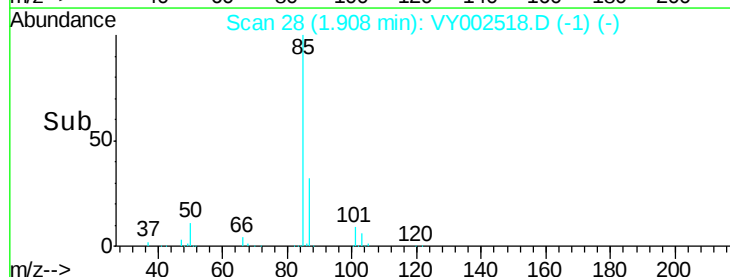
1.91

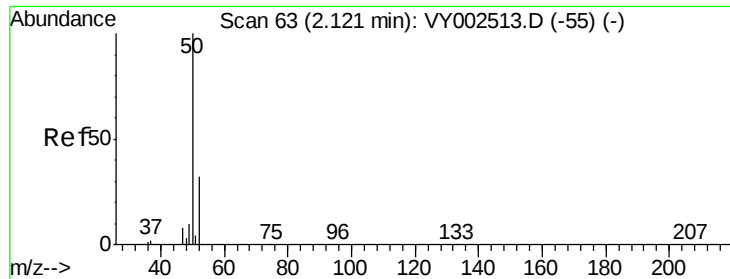
100000

50000

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Time-->





#3

Chloromethane

Concen: 56.853 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 177621

Ion Ratio Lower Upper

50 100

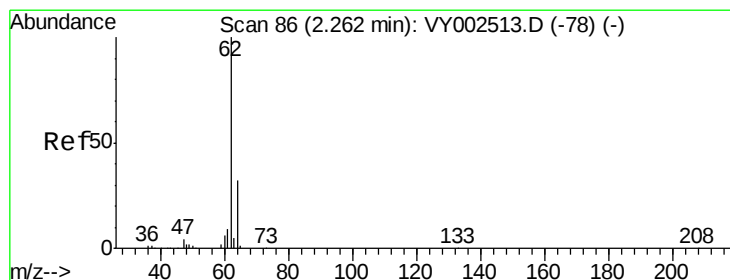
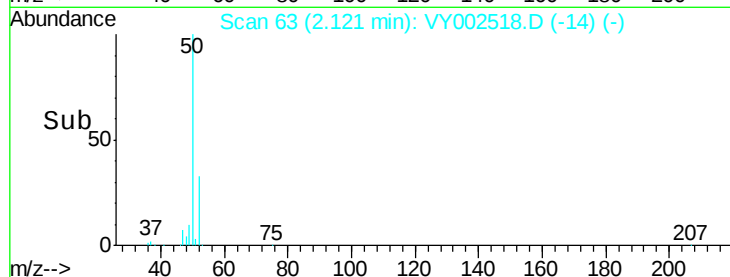
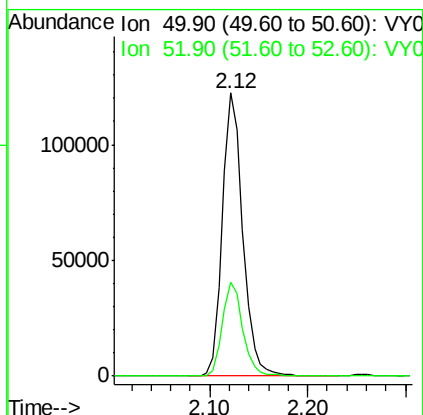
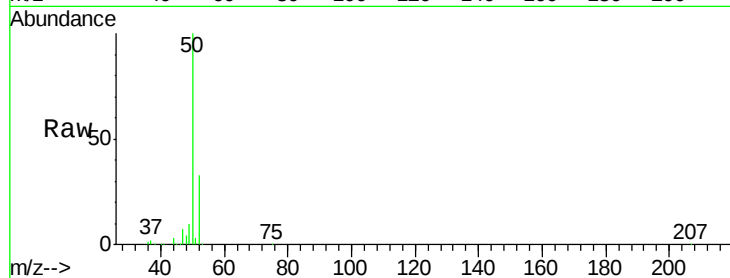
52 33.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.117 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002518.D

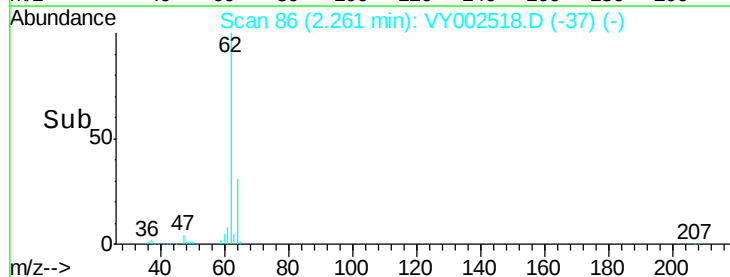
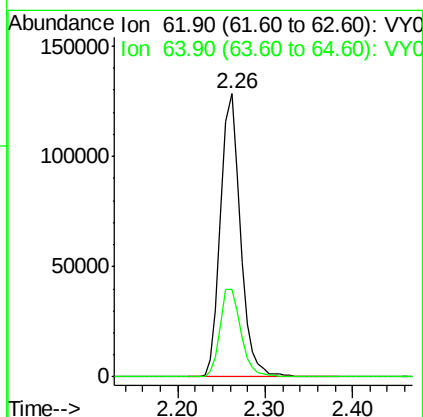
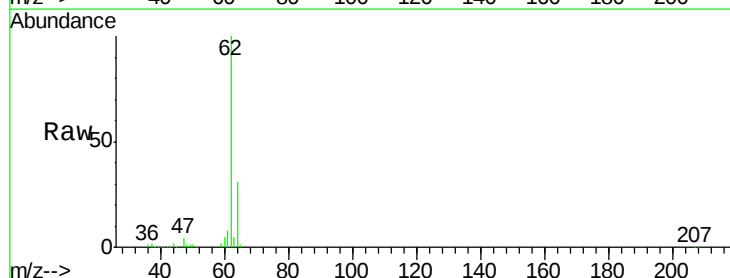
Acq: 01 May 2020 10:00

Tgt Ion: 62 Resp: 202444

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 51.264 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127535

Ion Ratio Lower Upper

94 100

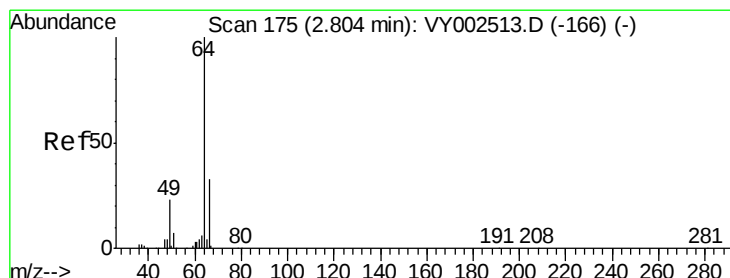
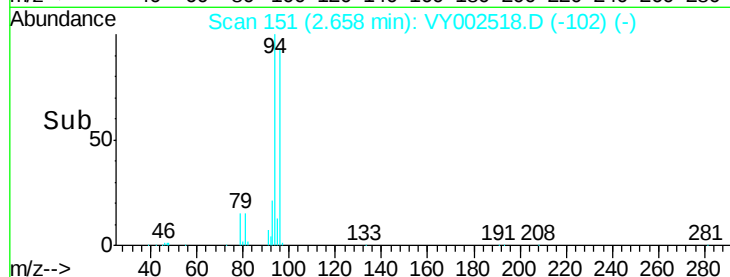
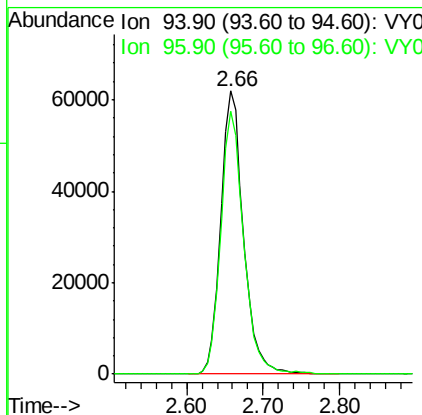
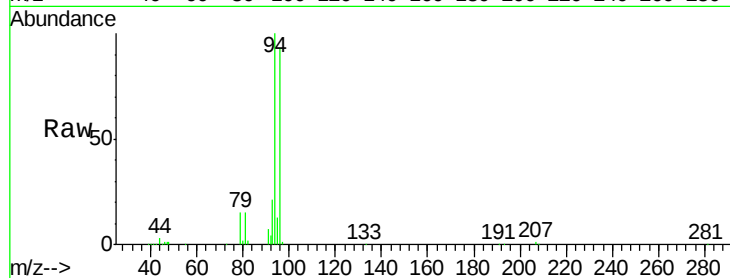
96 92.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 51.991 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002518.D

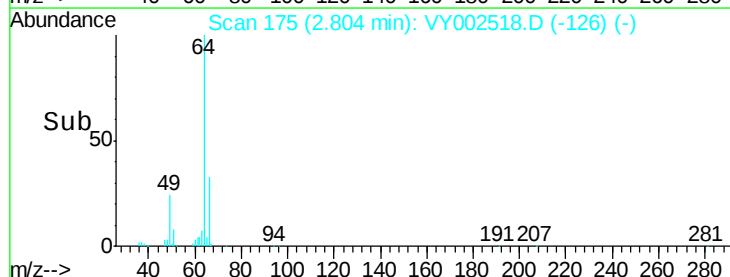
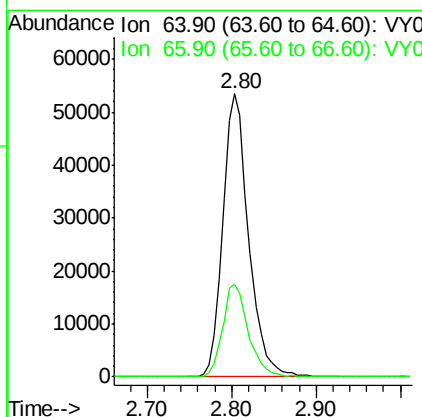
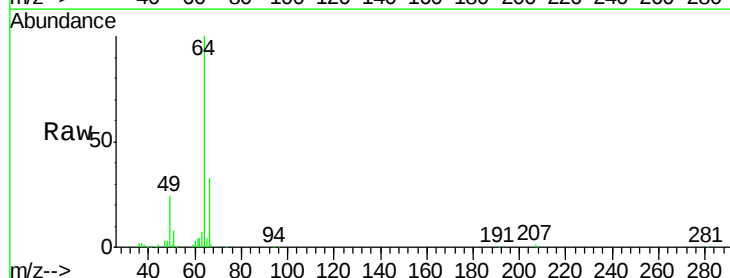
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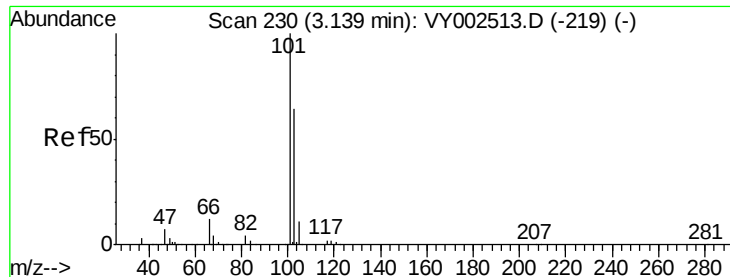
Tgt Ion: 64 Resp: 111992

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5





#7

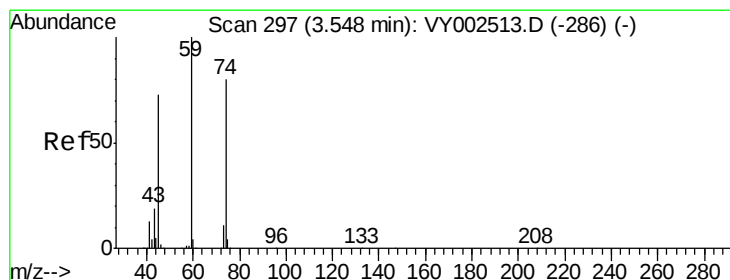
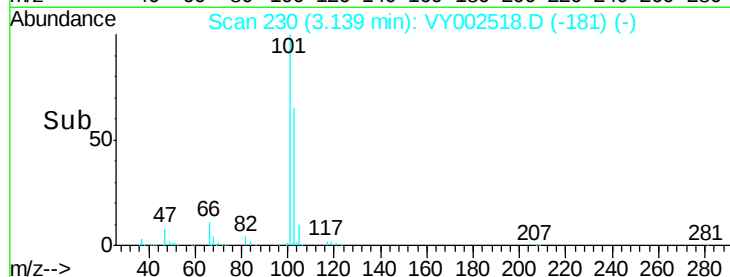
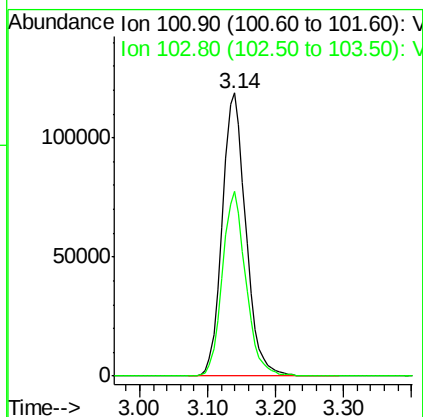
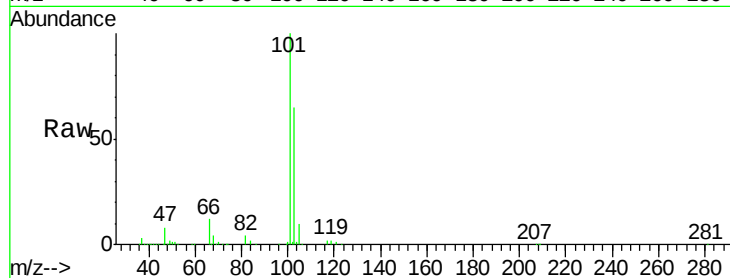
Trichlorofluoromethane
Concen: 51.187 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	286192		
103	65.2	51.4	77.0	

Manual Integrations
APPROVED

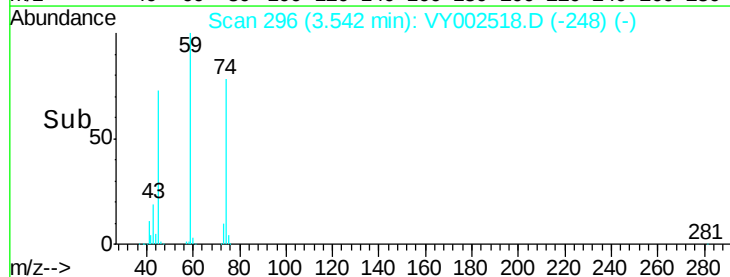
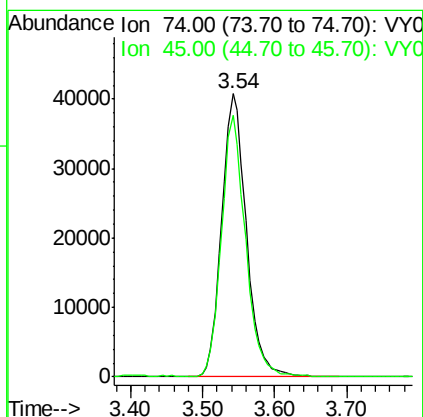
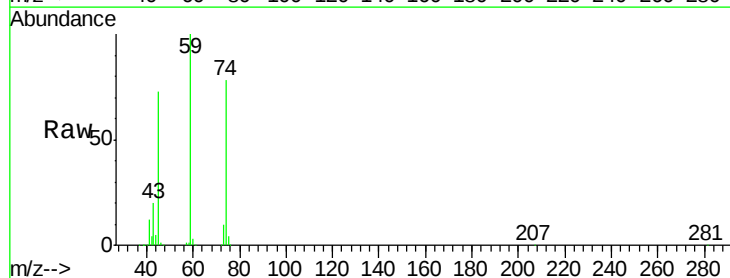
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5/4/2020 2:19:08 PM

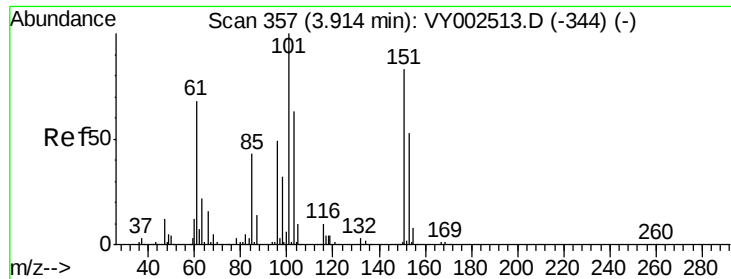


#8

Diethyl Ether
Concen: 51.866 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	97451		
45	90.8	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.358 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

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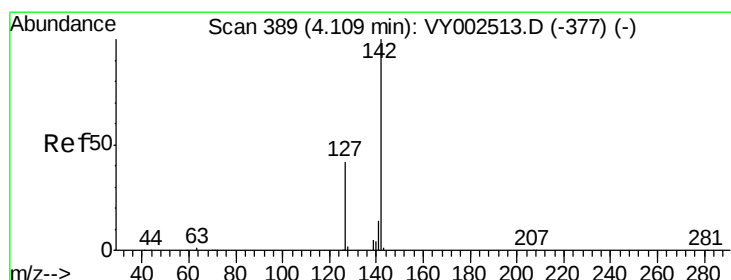
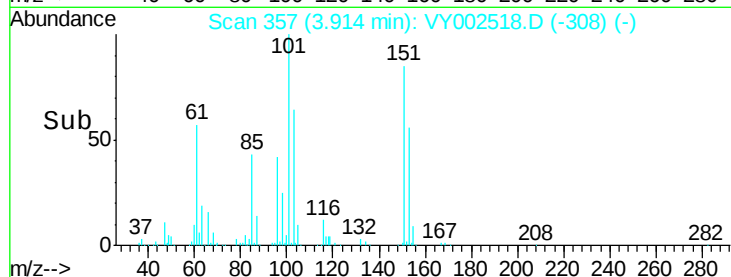
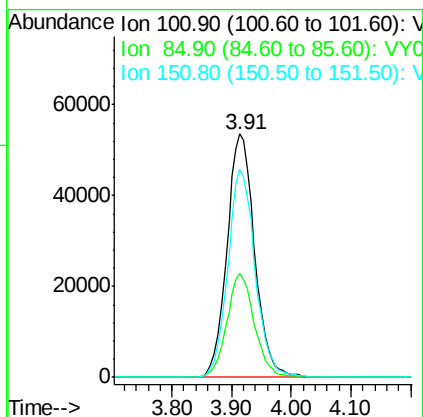
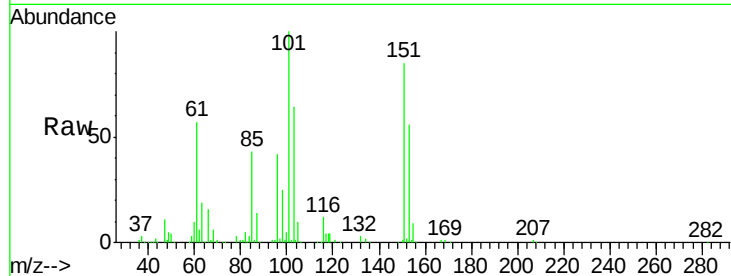
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	172080
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.2
151	84.9	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.482 ug/l

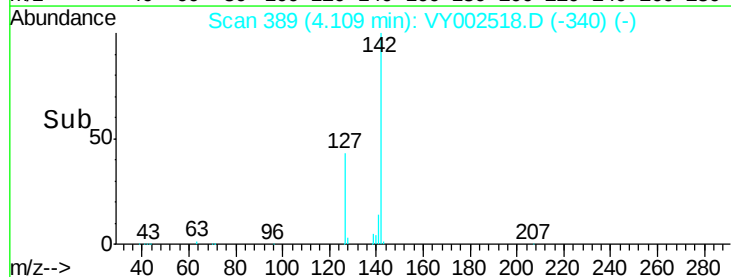
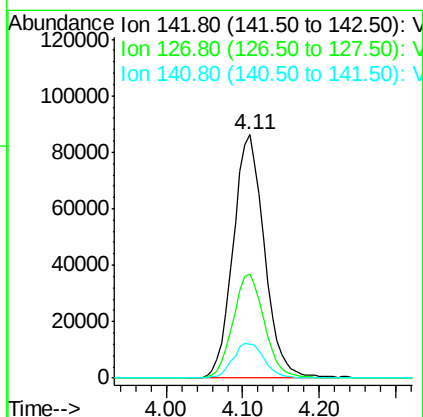
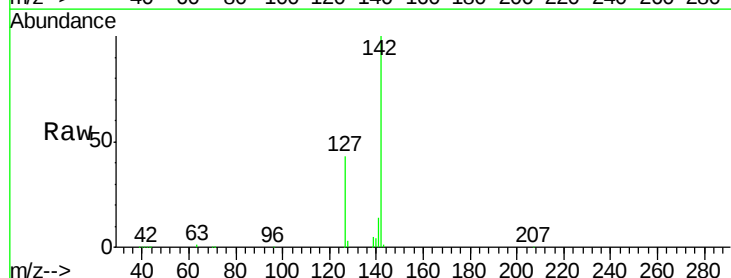
RT: 4.11 min Scan# 389

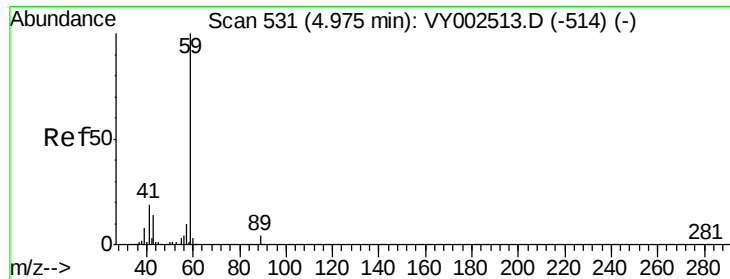
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	142	Resp:	244330
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.7	50.5
141	14.6	11.4	17.0





#11

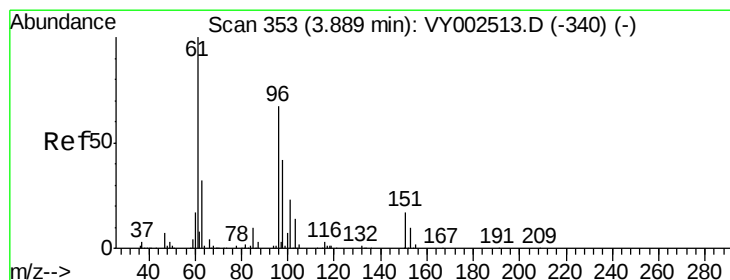
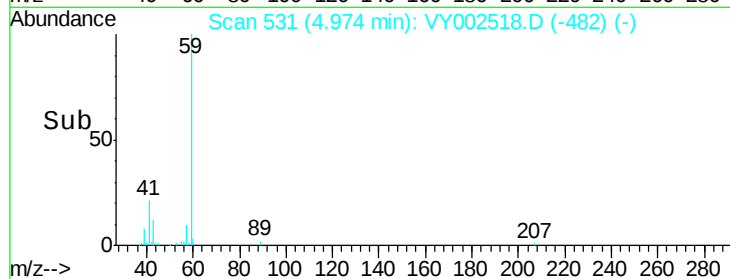
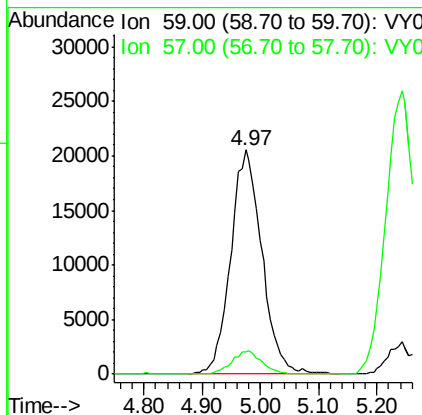
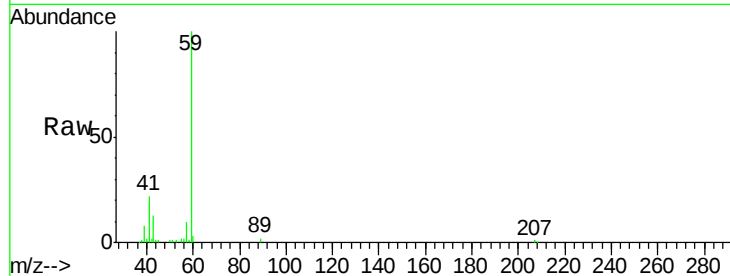
Tert butyl alcohol
 Concen: 228.776 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.9	7.8	11.6

Manual Integrations
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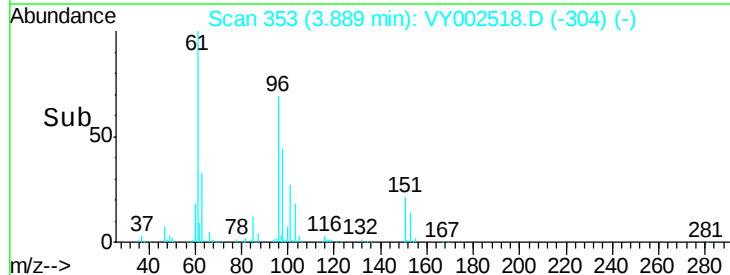
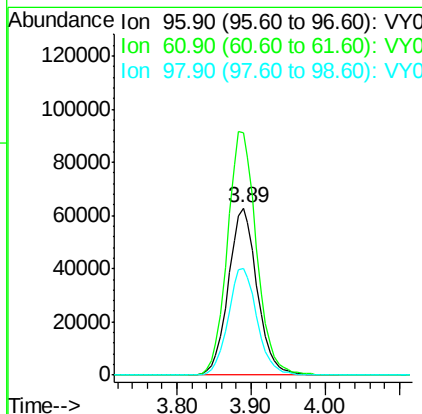
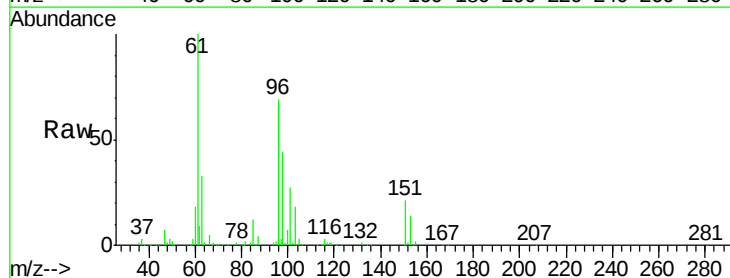
MMDadoda
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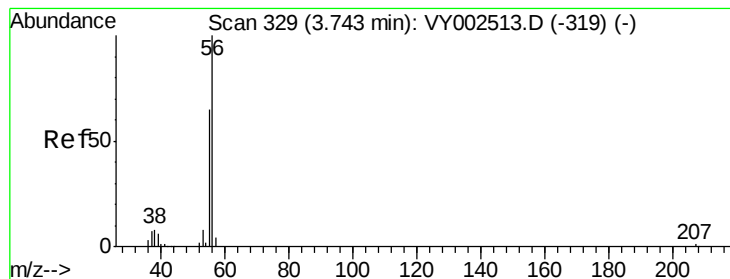


#12

1,1-Dichloroethene
 Concen: 51.180 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	145.3	118.8	178.2
98	98	64.2	49.6	74.4





#13

Acrolein

Concen: 268.890 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62026

Ion Ratio Lower Upper

56 100

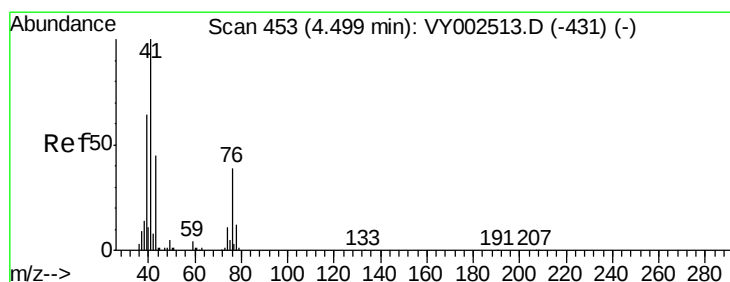
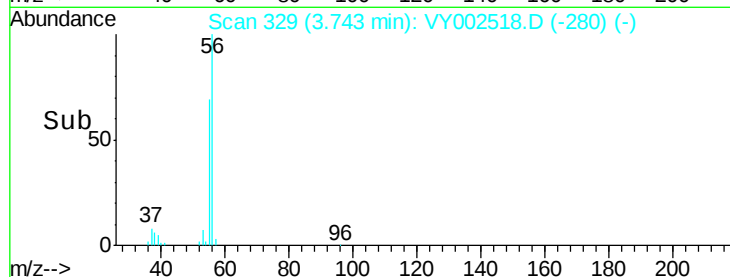
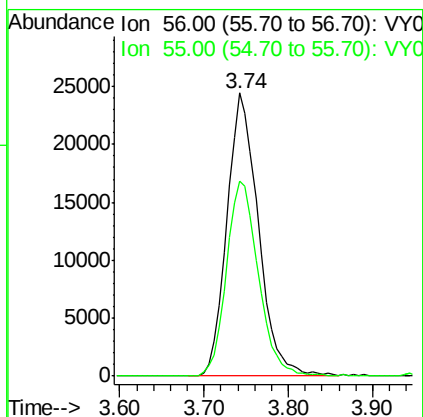
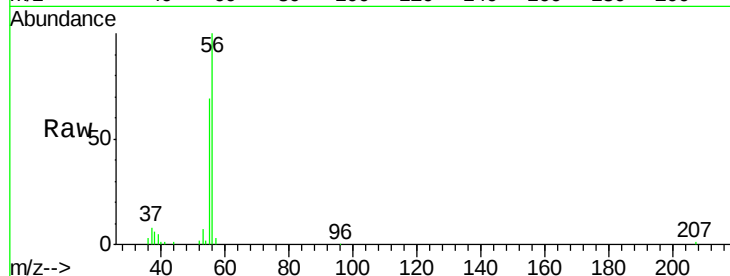
55 69.9 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.195 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

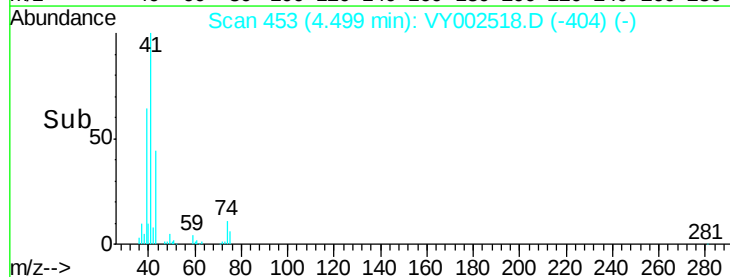
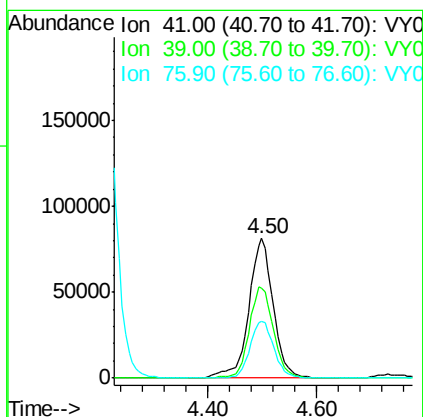
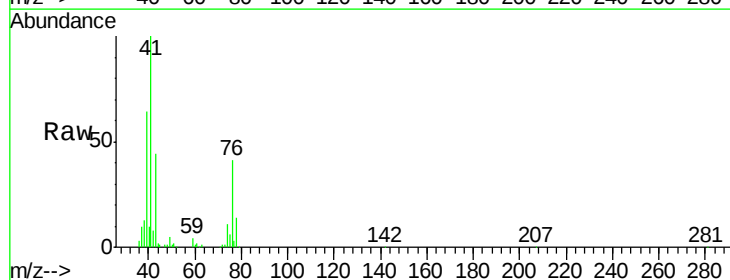
Tgt Ion: 41 Resp: 252452

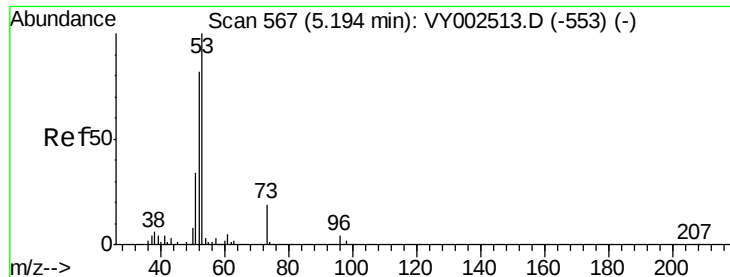
Ion Ratio Lower Upper

41 100

39 64.7 51.8 77.6

76 39.8 31.7 47.5





#15

Acrylonitrile

Concen: 257.600 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

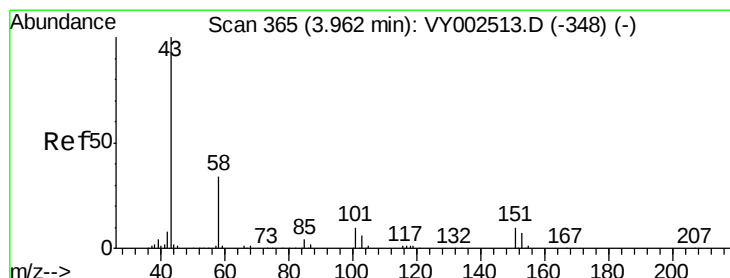
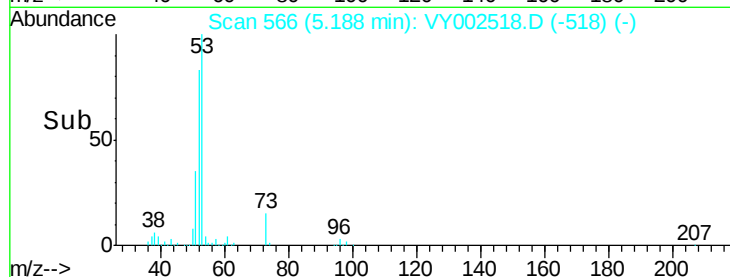
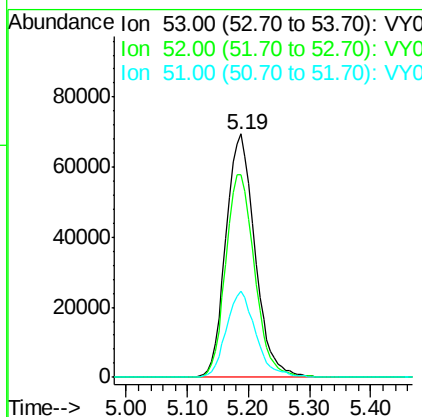
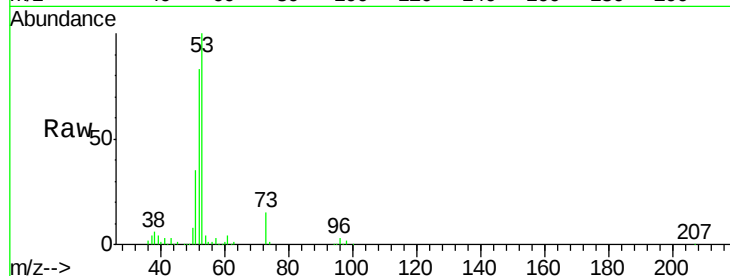
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	228248
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.0
51	35.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 289.008 ug/l

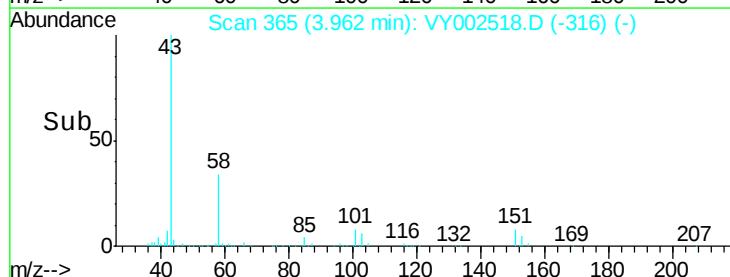
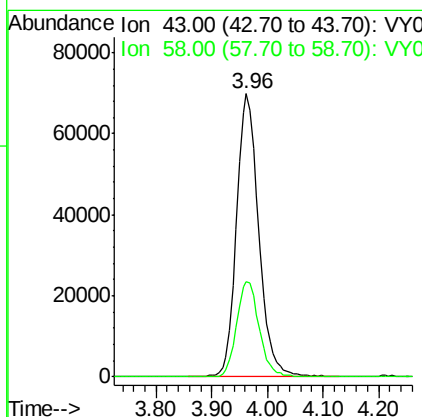
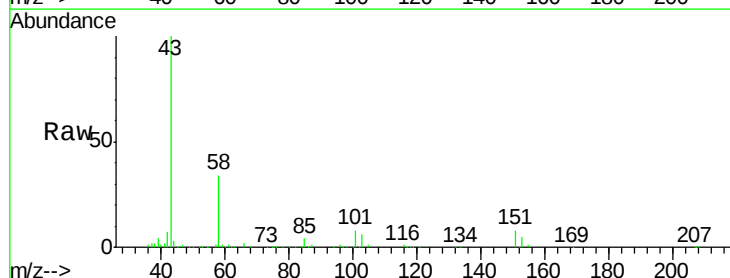
RT: 3.96 min Scan# 365

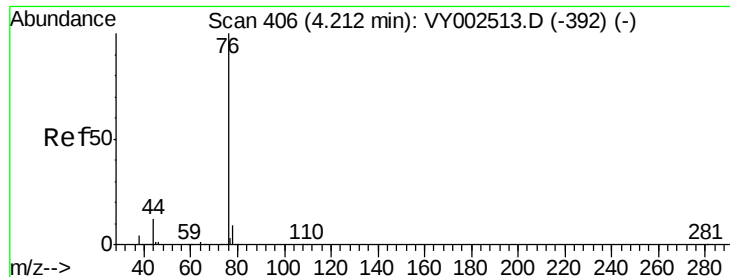
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	43	Resp:	193391
Ion Ratio	Lower	Upper	
43	100		
58	33.6	26.9	40.3





#17

Carbon Disulfide

Concen: 54.327 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 542546

Ion Ratio Lower Upper

76 100

78 9.2

7.4

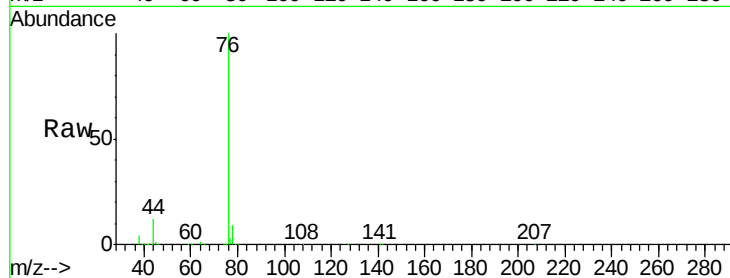
11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

200000

150000

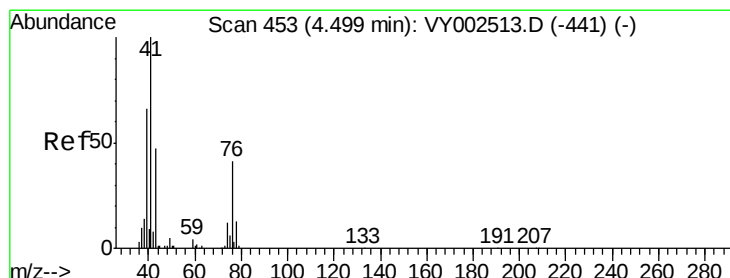
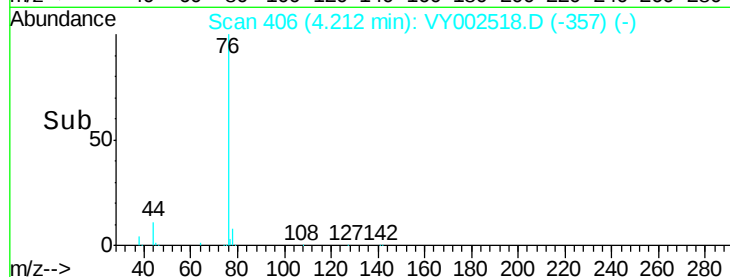
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 49.697 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion: 43 Resp: 111114

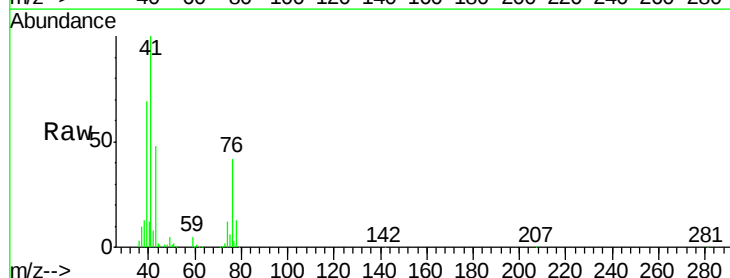
Ion Ratio Lower Upper

43 100

74 25.6

21.2

31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

40000

30000

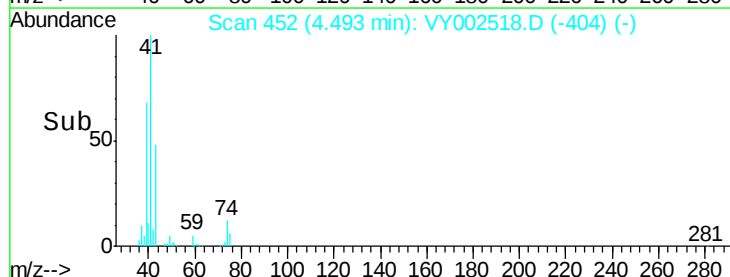
20000

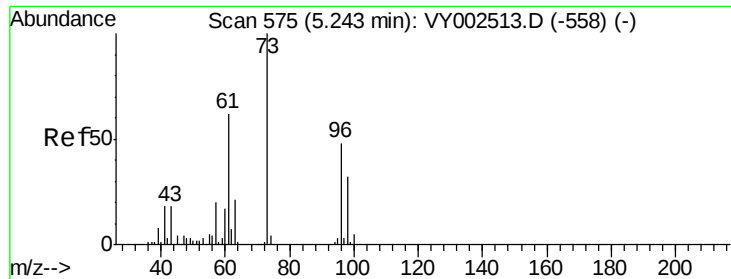
10000

0

4.30 4.40 4.50 4.60 4.70

Time-->





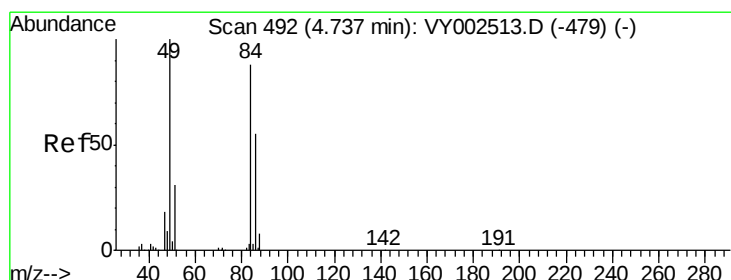
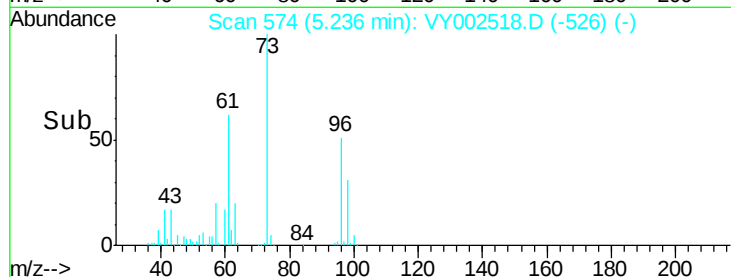
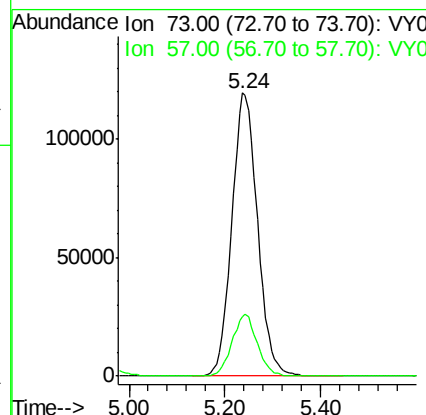
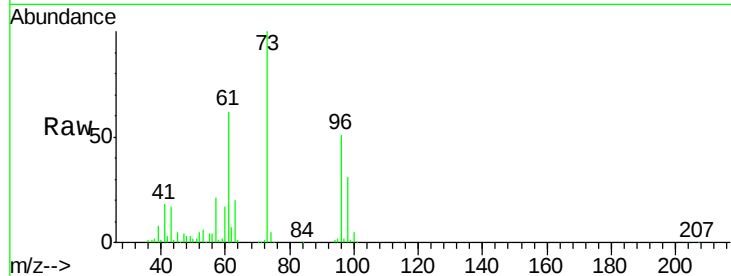
#19
Methvl tert-butvl Ether
Concen: 51.162 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.3	24.5

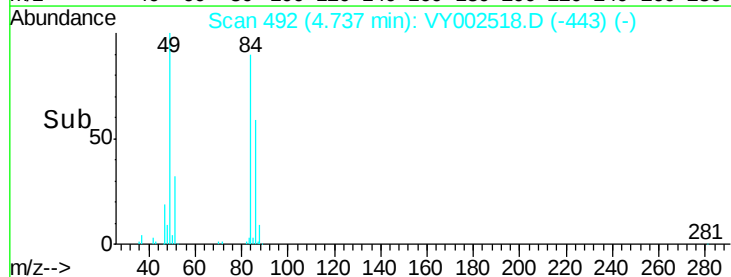
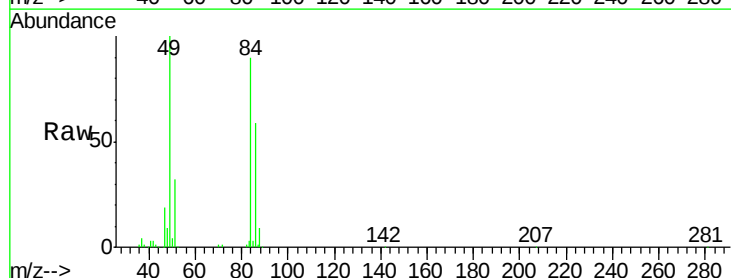
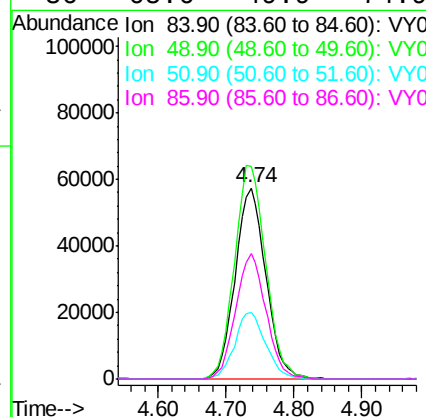
Manual Integrations
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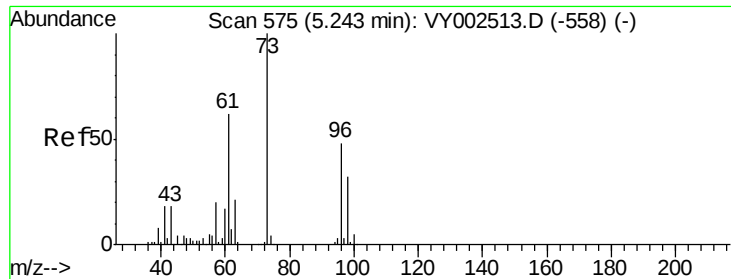
MMDadoda
5/4/2020 2:19:08 PM



#20
Methylene Chloride
Concen: 48.067 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	90.5	135.7
51	35.1	28.3	42.5
86	65.6	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 52.013 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

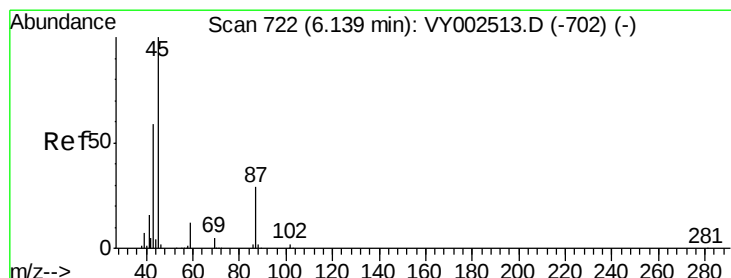
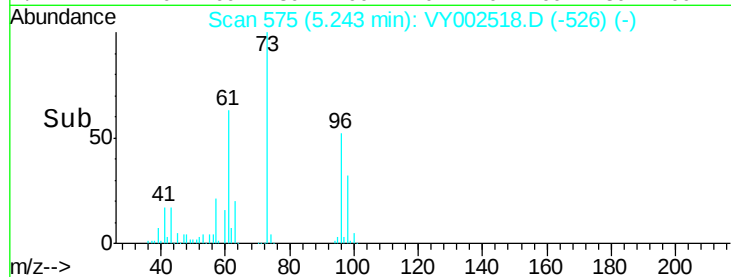
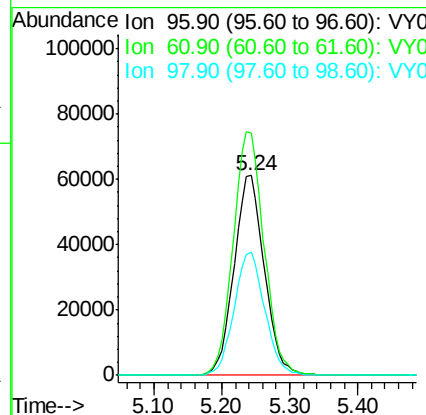
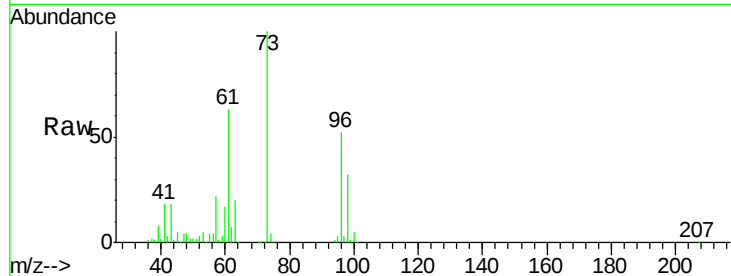
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	188718
Ion	Ratio	Lower	Upper
96	100		
61	121.2	102.0	153.0
98	61.7	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.284 ug/l

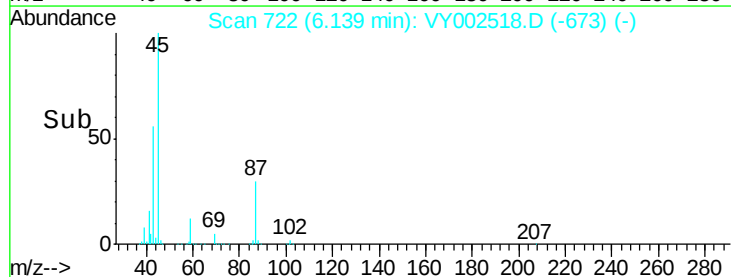
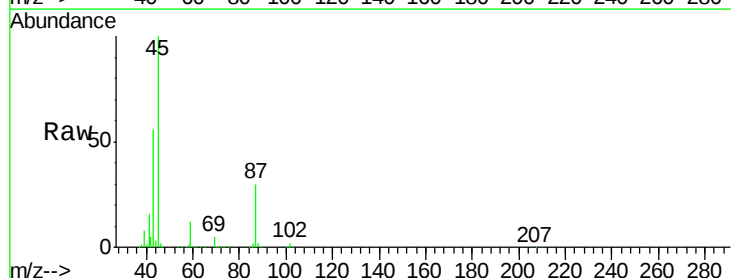
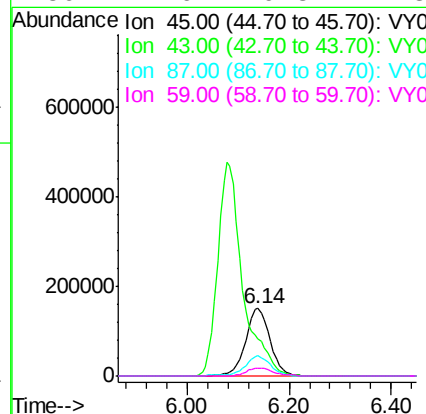
RT: 6.14 min Scan# 722

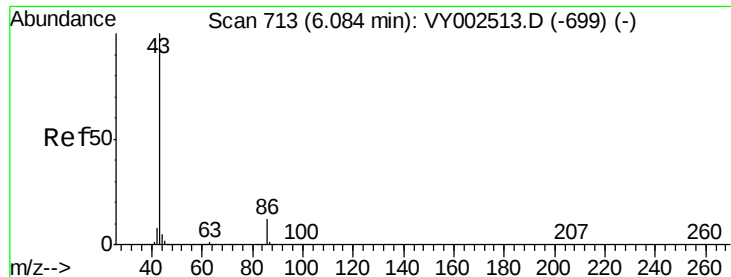
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	45	Resp:	501897
Ion	Ratio	Lower	Upper
45	100		
43	55.8	47.4	71.0
87	30.4	24.0	36.0
59	11.6	9.8	14.8





#23

Vinyl Acetate

Concen: 263.026 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1618853

Ion Ratio Lower Upper

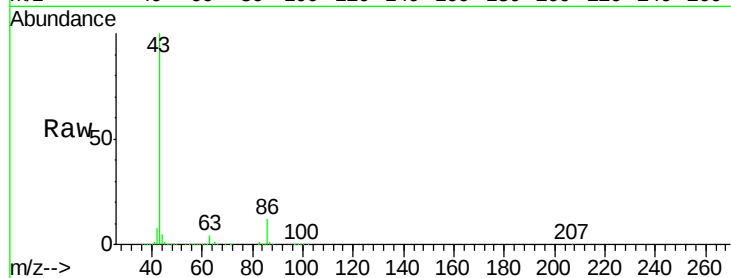
43 100

86 11.8 9.8 14.6

Manual Integrations
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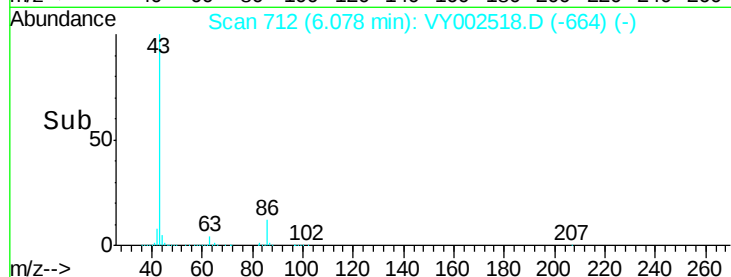
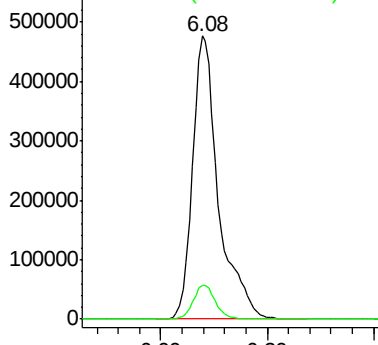
MMDadoda

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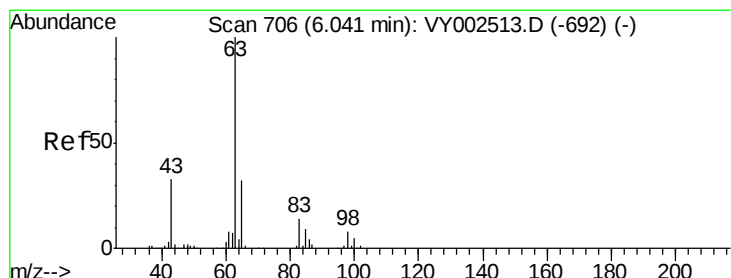


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 51.064 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

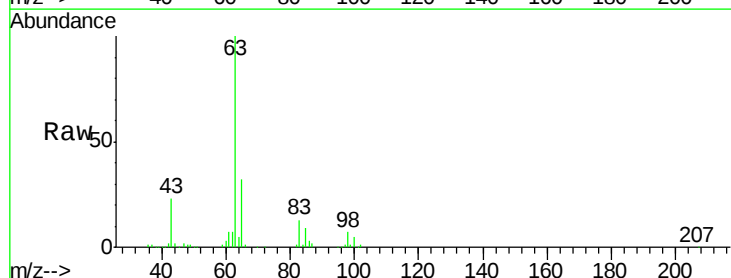
Tgt Ion: 63 Resp: 295643

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

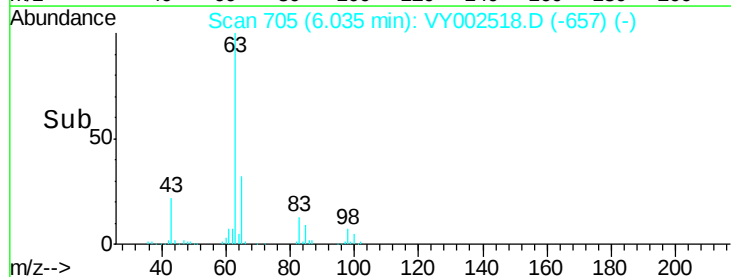
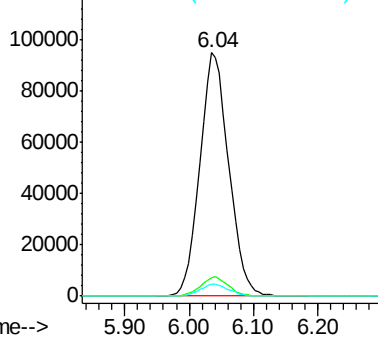
100 5.0 2.4 7.2



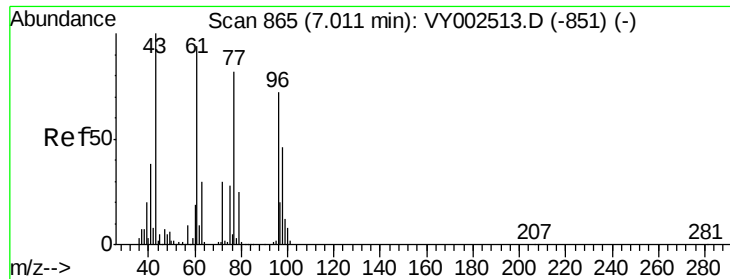
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->



#25

2-Butanone

Concen: 260.854 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285730

Ion Ratio Lower Upper

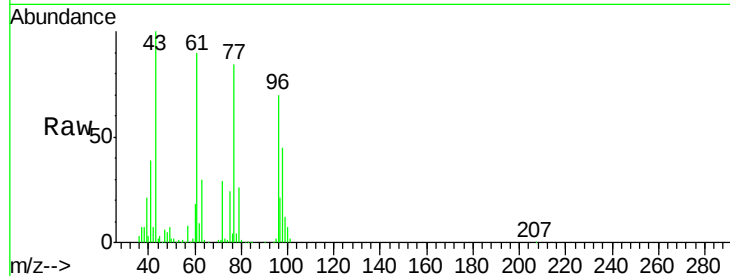
43 100

72 28.9 24.1 36.1

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

120000

100000

80000

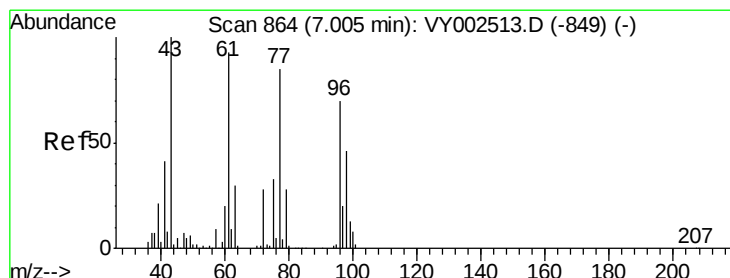
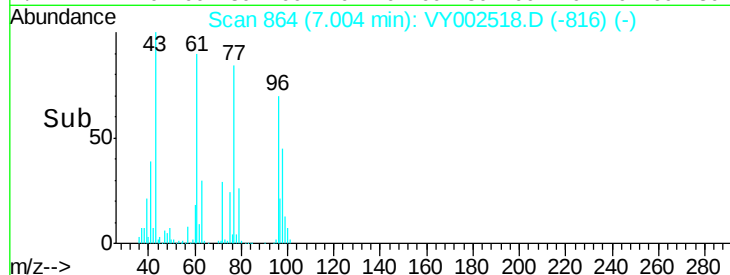
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.733 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002518.D

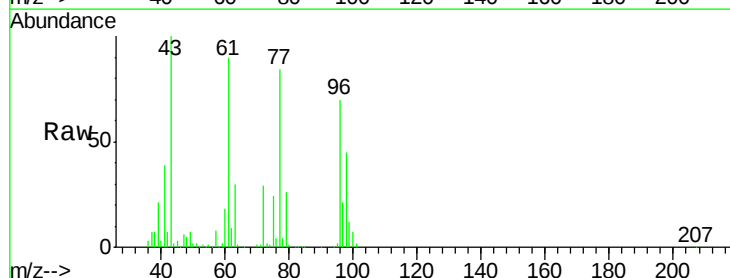
Acq: 01 May 2020 10:00

Tgt Ion: 77 Resp: 273697

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

100000

80000

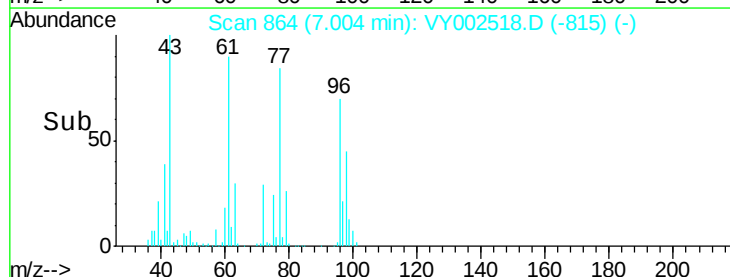
60000

40000

20000

0

Time-->





#27

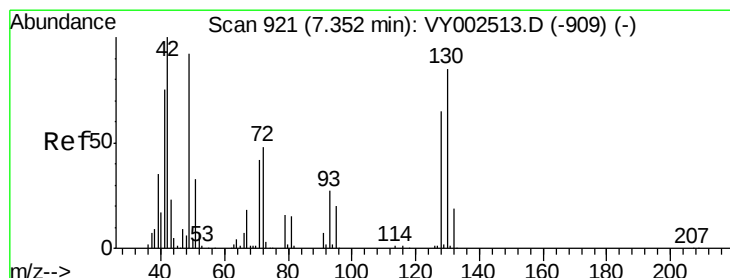
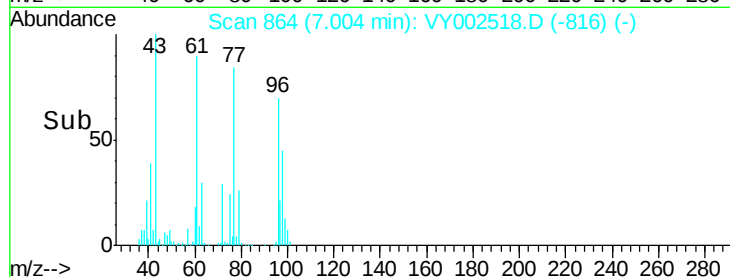
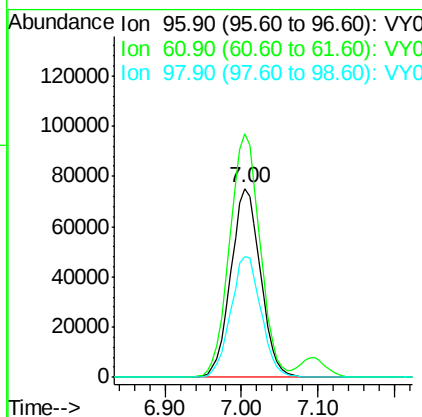
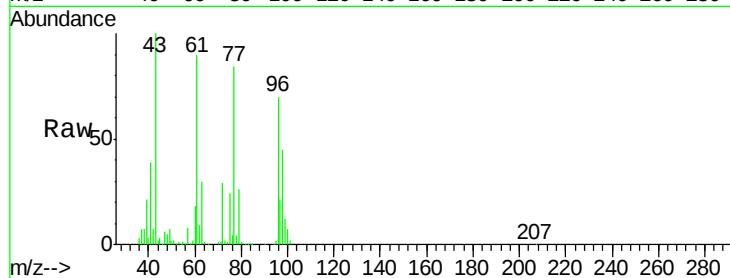
cis-1,2-Dichloroethene
 Concen: 50.290 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	201897		
61	131.9		0.0	266.6
98	65.1		0.0	129.2

Manual Integrations
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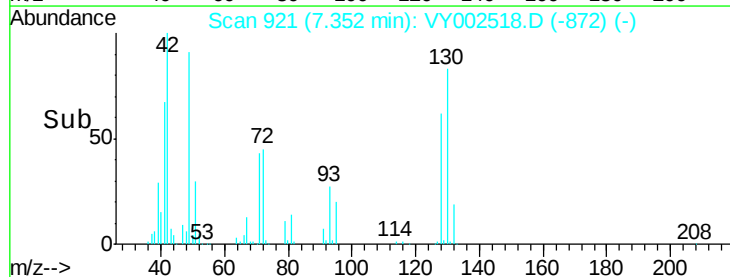
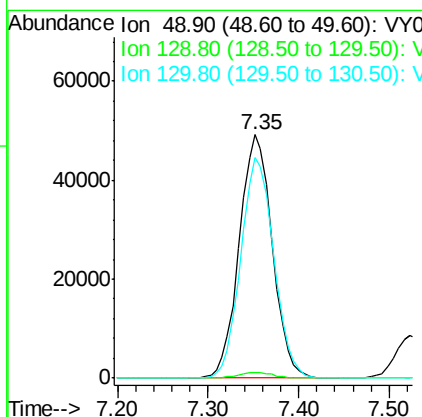
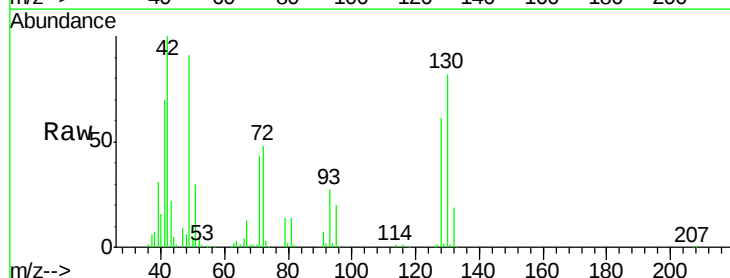
MMDadoda
 5/4/2020 2:19:08 PM

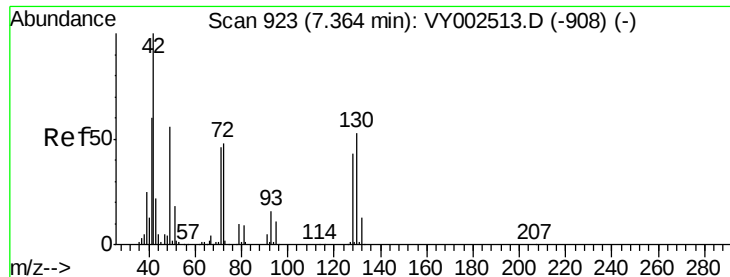


#28

Bromochloromethane
 Concen: 52.313 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124093		
129	2.4		0.0	4.8
130	90.8		72.5	108.7





#29

Tetrahydrofuran

Concen: 262.819 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

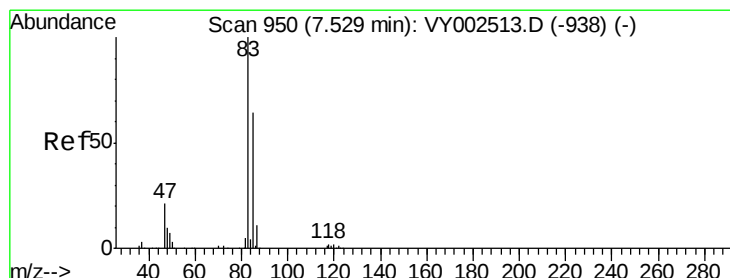
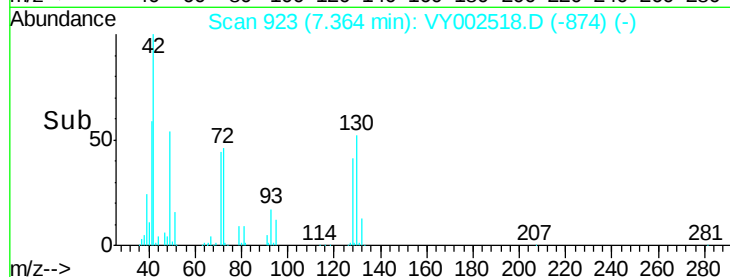
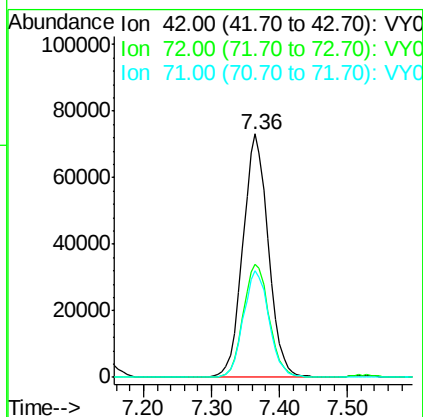
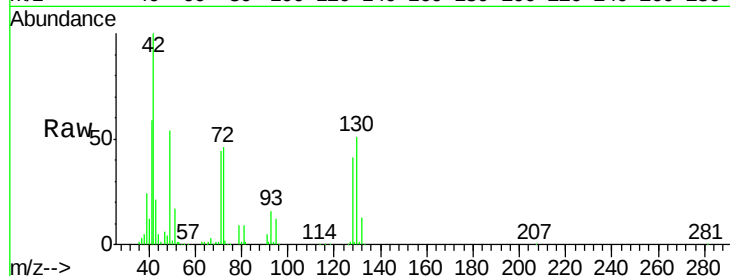
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	190468
Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	44.1	35.0	52.4

Manual Integrations
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#30

Chloroform

Concen: 50.485 ug/l

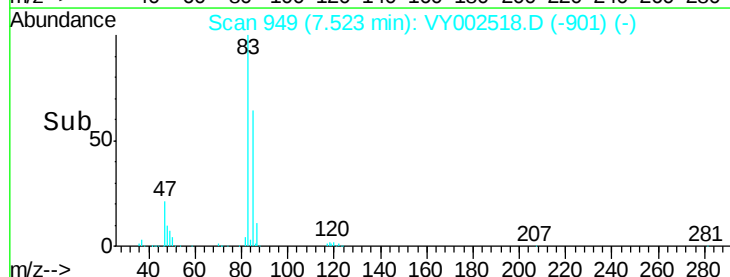
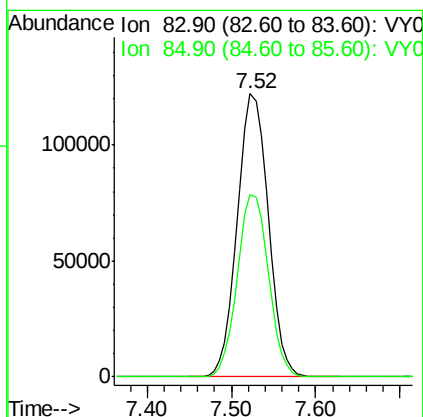
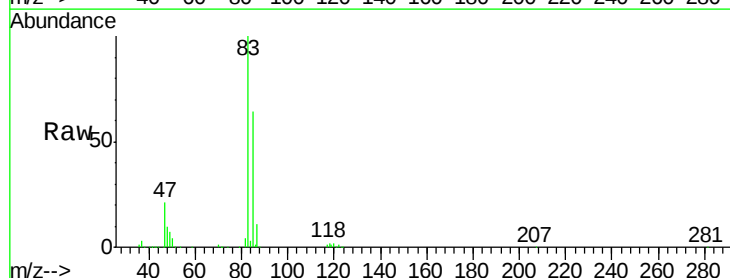
RT: 7.52 min Scan# 949

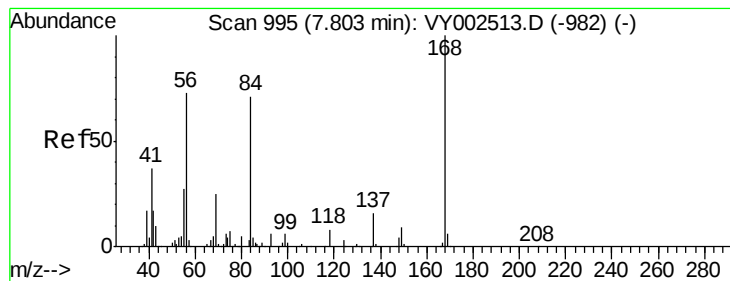
Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	83	Resp:	303920
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





#31

Cyclohexane

Concen: 49.048 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

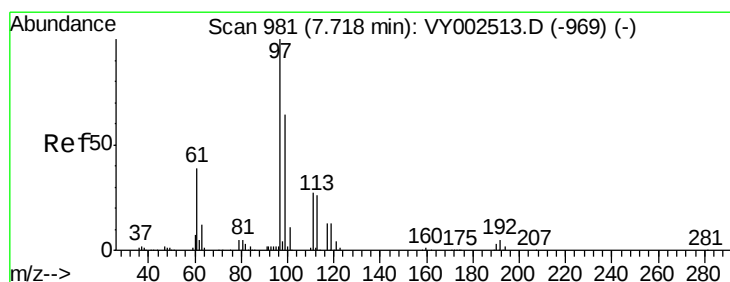
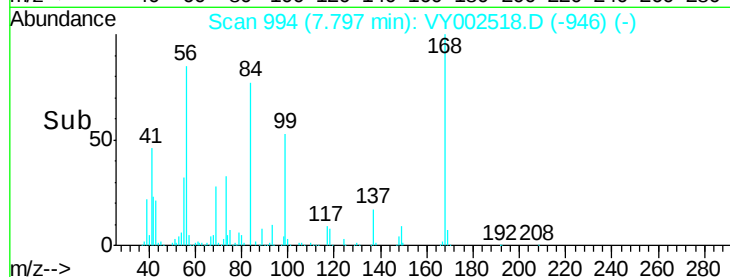
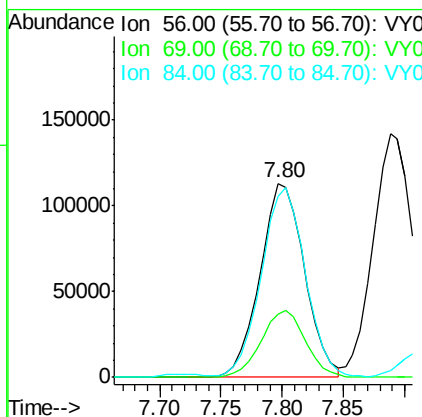
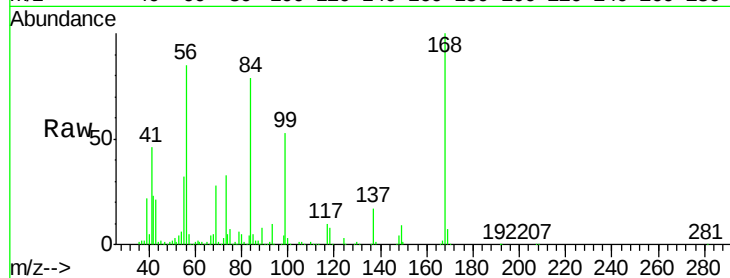
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	285839
Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.6	41.4
84	91.7	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.802 ug/l

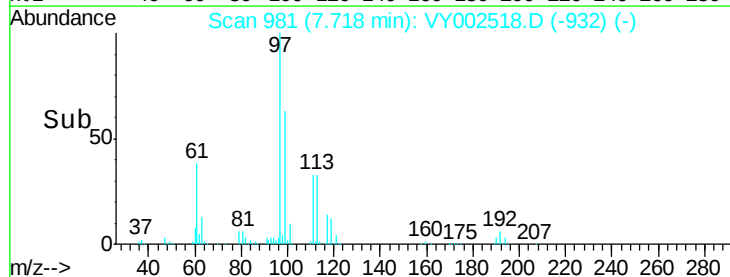
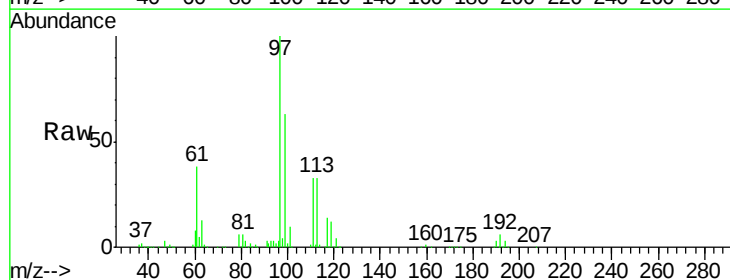
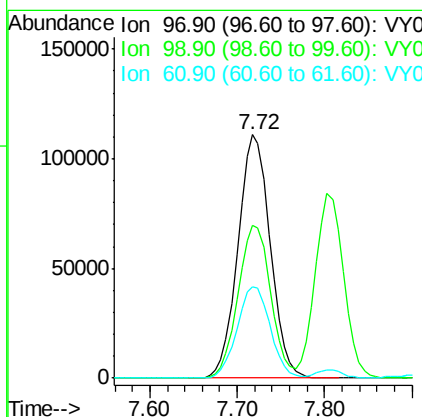
RT: 7.72 min Scan# 981

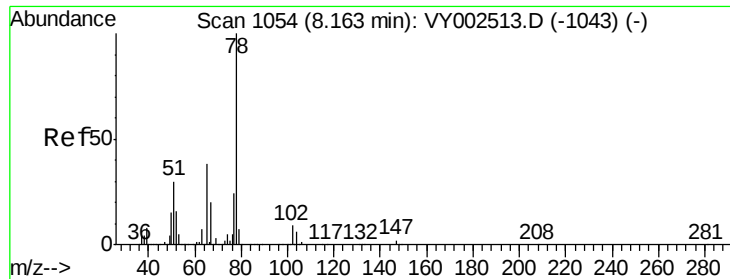
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	97	Resp:	284257
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	38.6	31.0	46.6





#33

1,2-Dichloroethane-d4

Concen: 51.415 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 166705

Ion Ratio Lower Upper

65 100

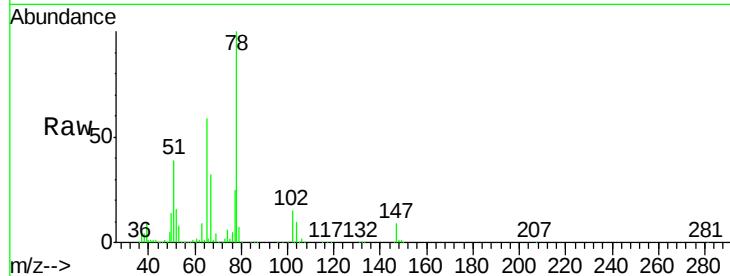
67 54.2 0.0 107.2

Manual Integrations

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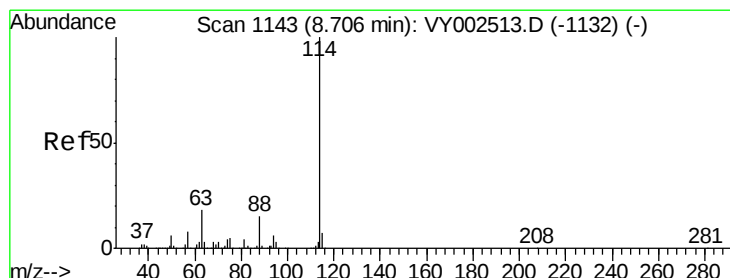
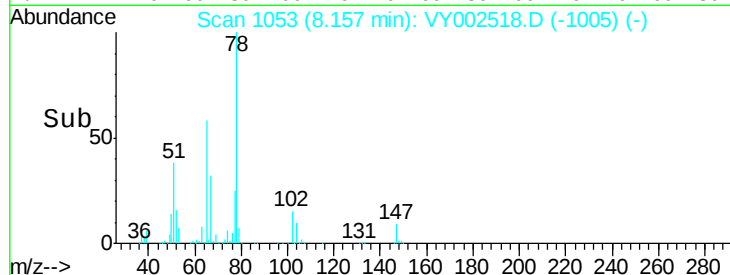
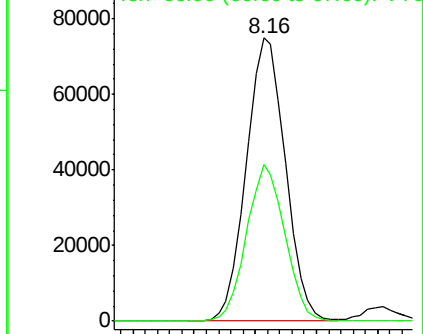
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

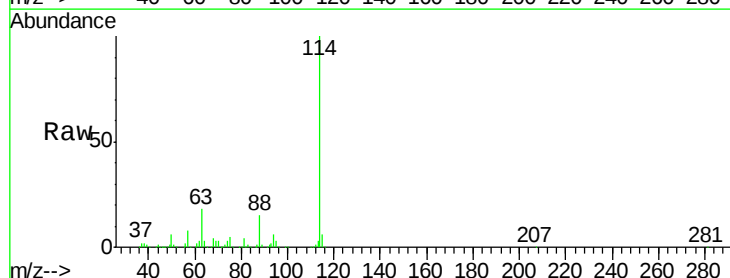
Tgt Ion: 114 Resp: 567832

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

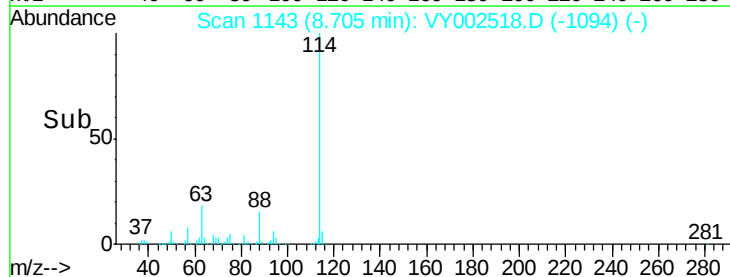
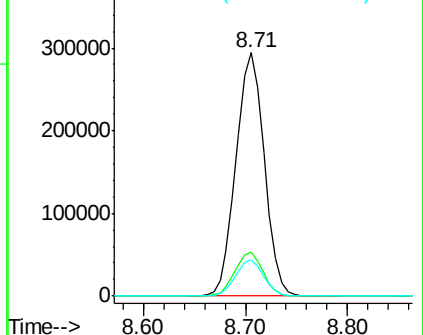
88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





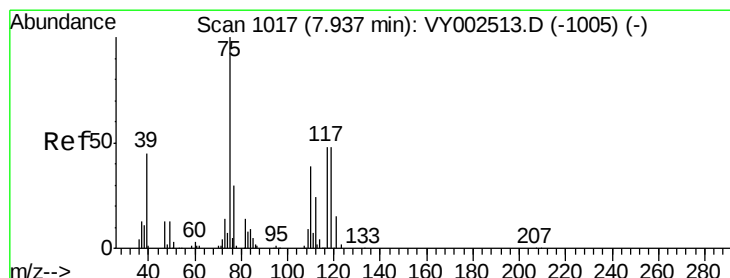
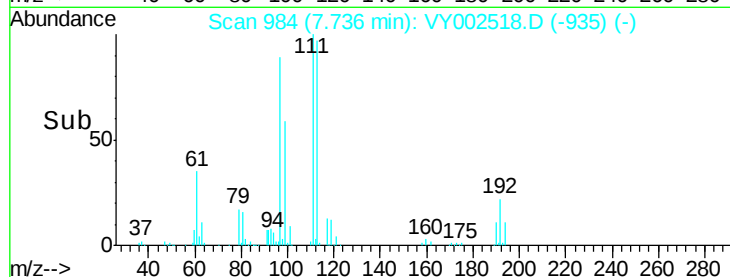
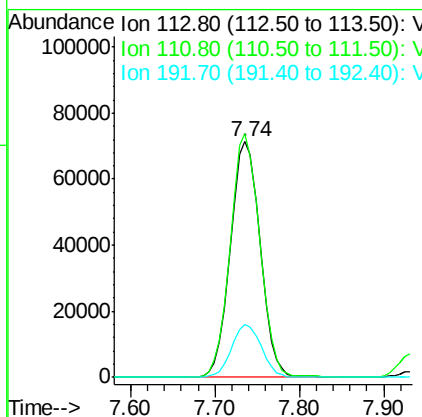
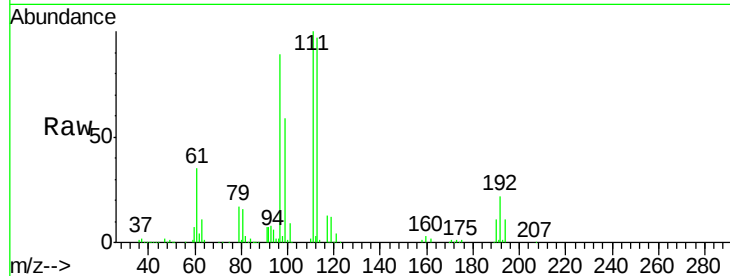
#35
Dibromofluoromethane
Concen: 52.542 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.8	122.6	
192	22.4	18.2	27.4	

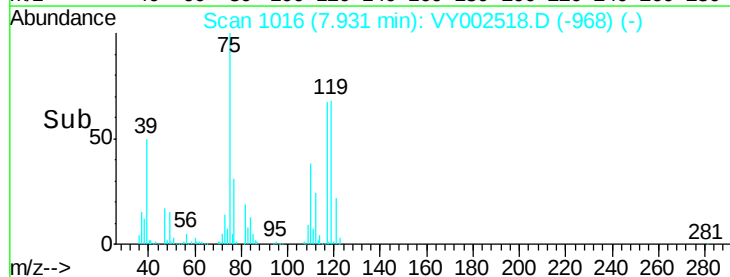
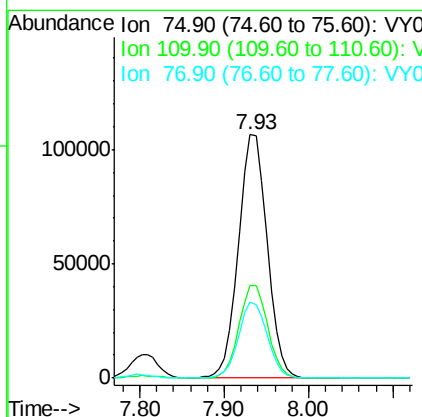
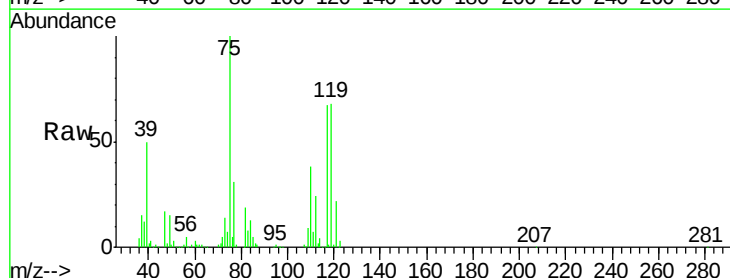
Manual Integrations
APPROVED

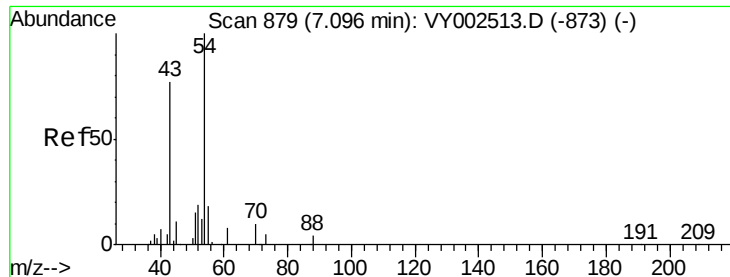
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.538 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.8	19.1	57.3	
77	31.2	24.6	37.0	





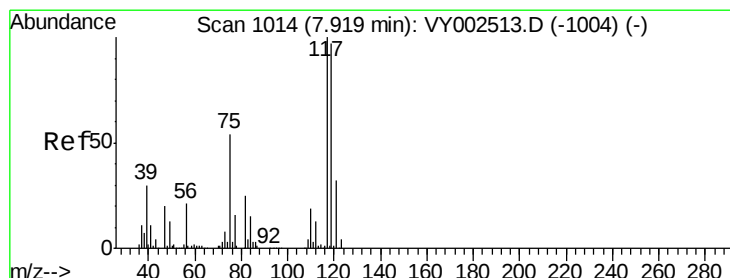
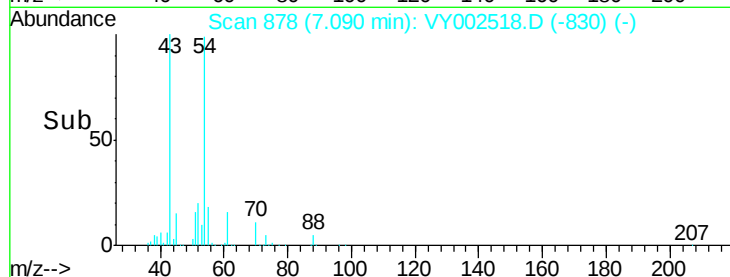
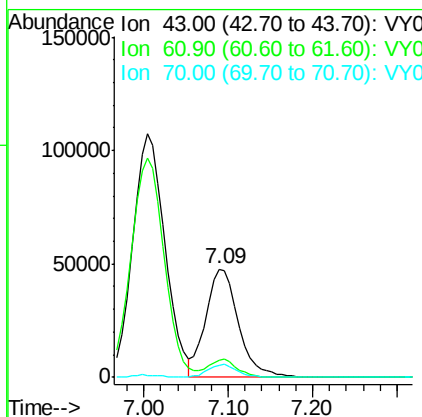
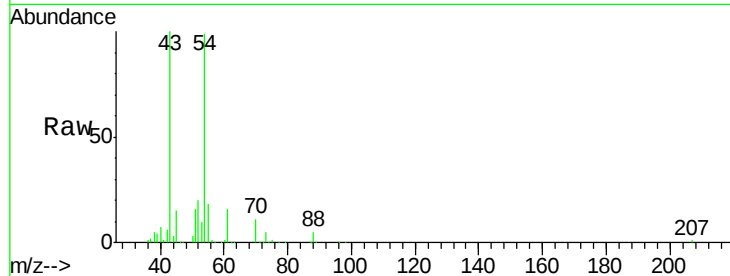
#37
Ethyl Acetate
Concen: 52.589 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	10.8	9.0	13.6

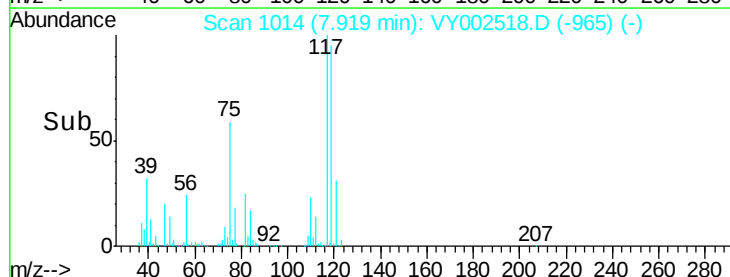
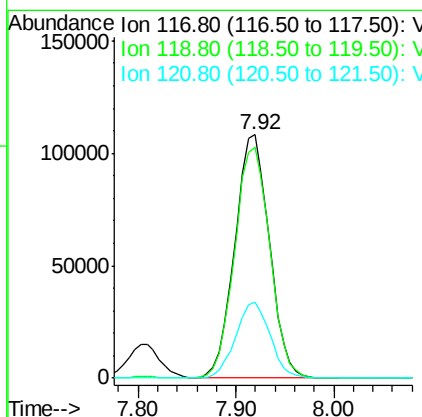
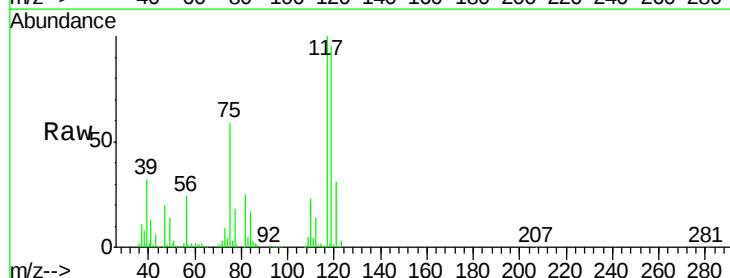
Manual Integrations
APPROVED

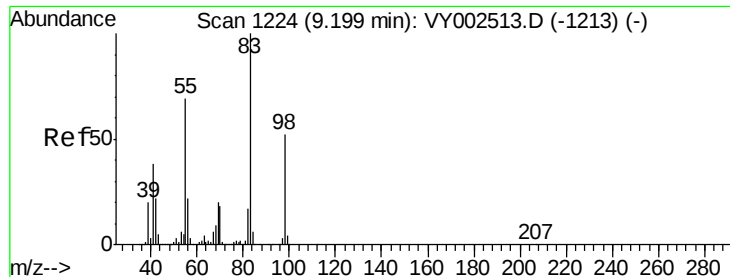
MMDadoda
5/4/2020 2:19:08 PM



#38
Carbon Tetrachloride
Concen: 51.342 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.1	115.7
121	31.0	25.2	37.8





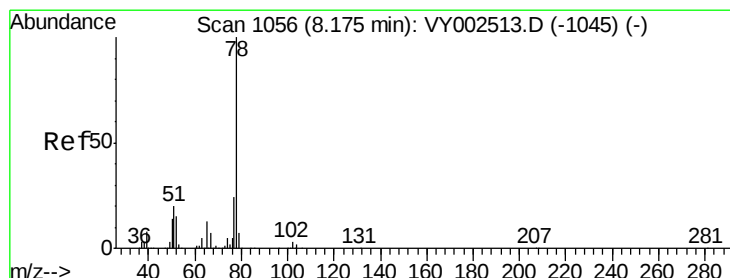
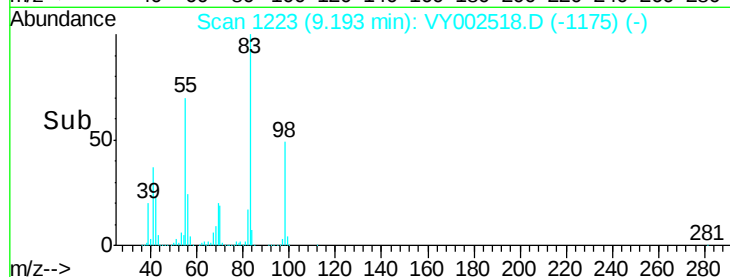
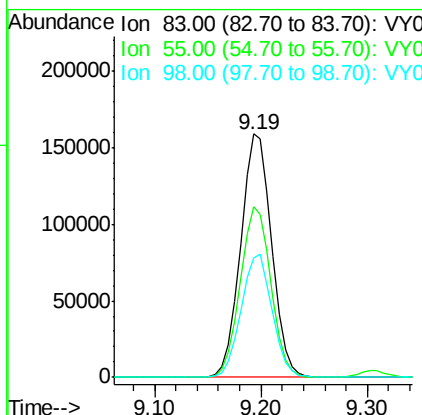
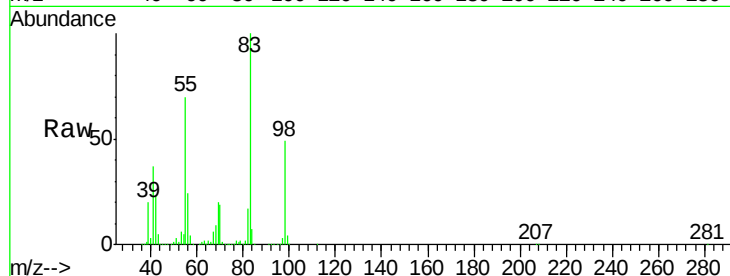
#39
Methvlcvclohexane
Concen: 51.618 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	55.4	83.0
98	49.2	41.3	61.9

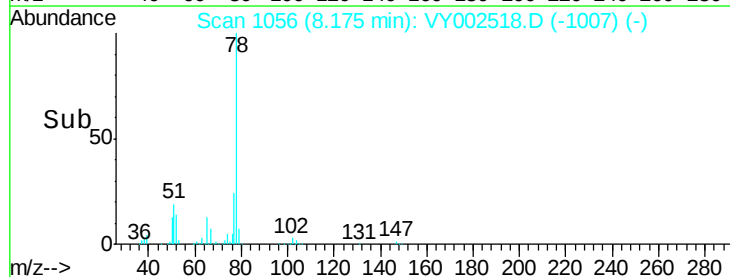
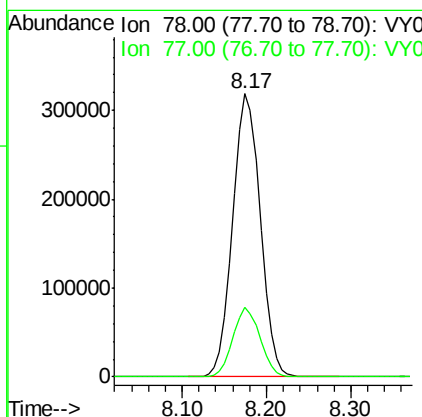
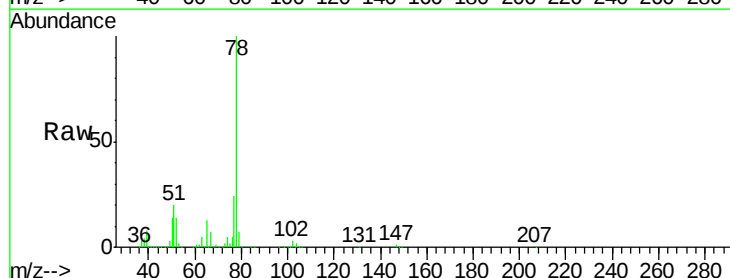
Manual Integrations
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#40
Benzene
Concen: 51.267 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





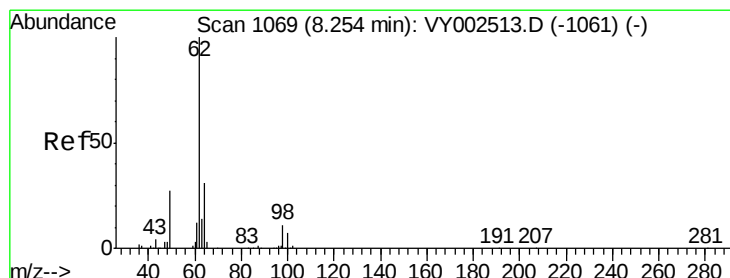
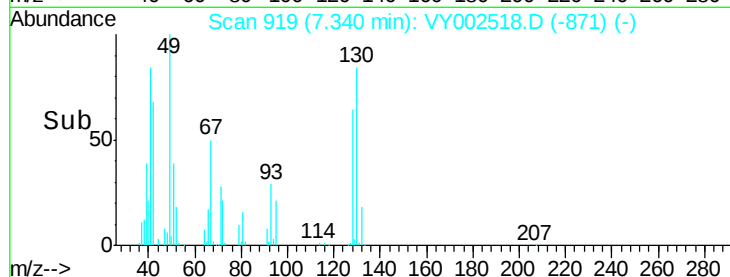
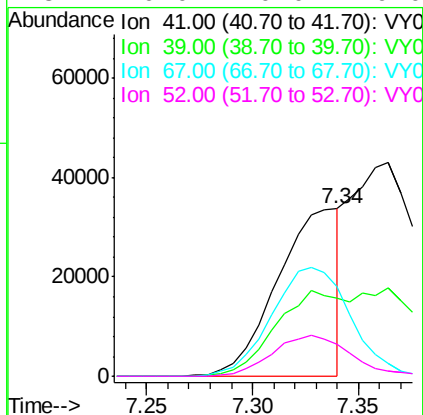
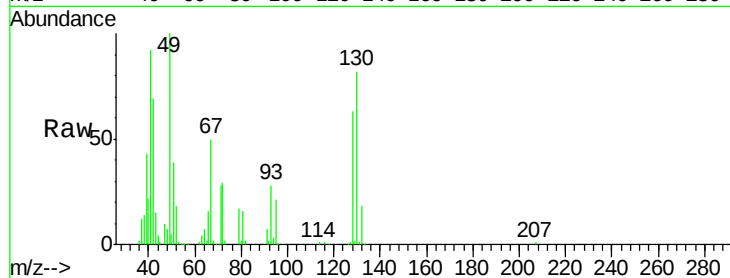
#41
Methacrylonitrile
Concen: 52.337 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	68835
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

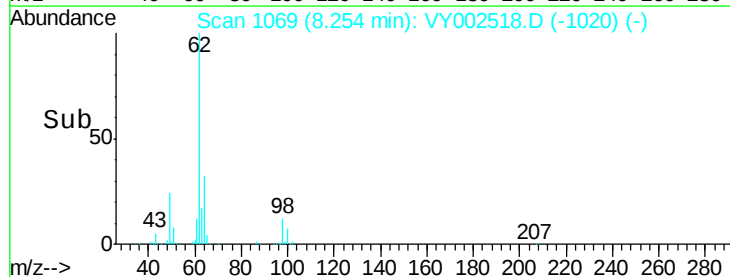
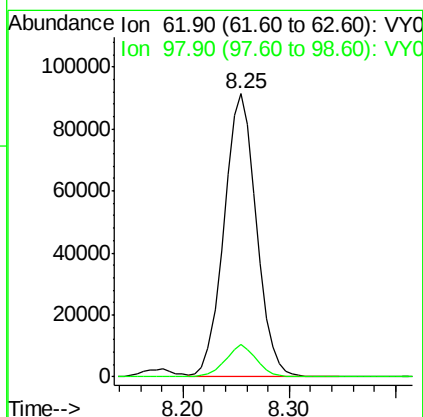
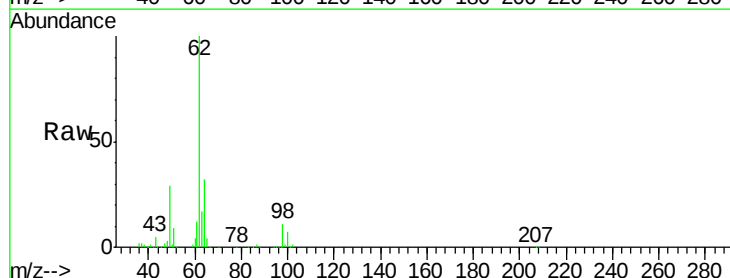
Manual Integrations
APPROVED

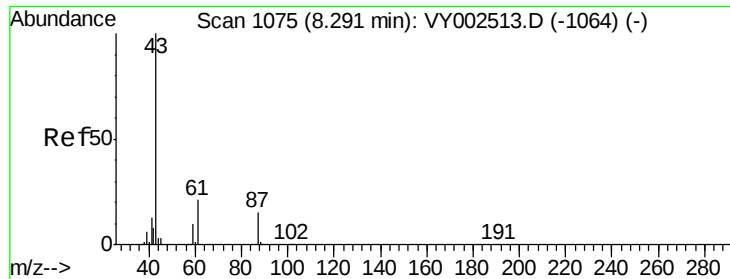
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#42
1,2-Dichloroethane
Concen: 50.364 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	62	Resp	194224
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





#43

Isopropyl Acetate

Concen: 52.281 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

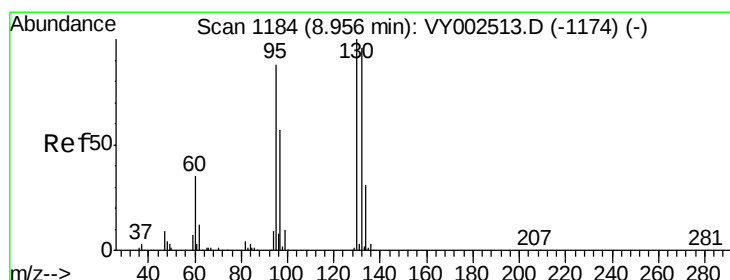
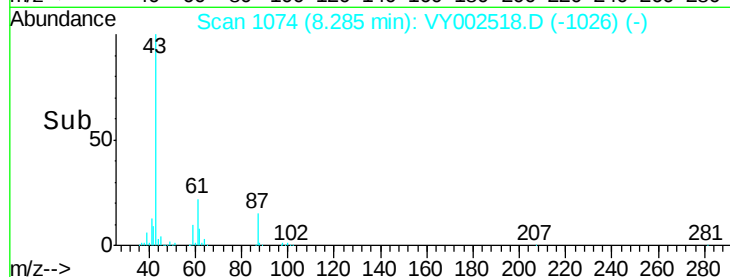
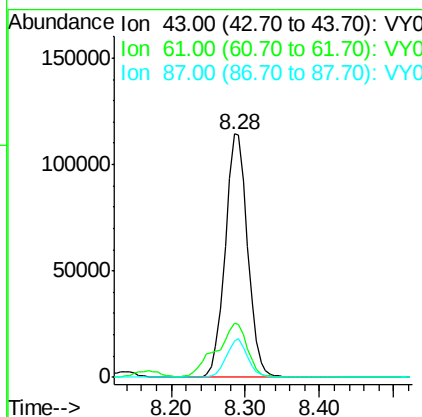
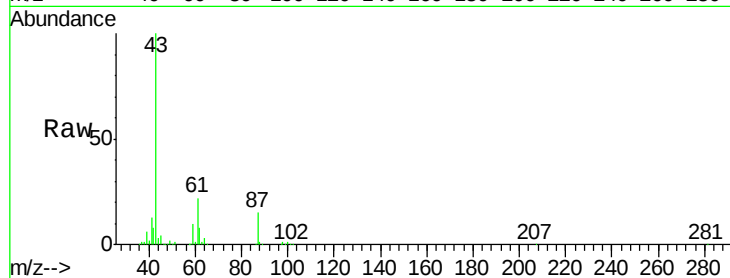
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	239754
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	15.0	12.2	18.2

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#44

Trichloroethene

Concen: 51.076 ug/l

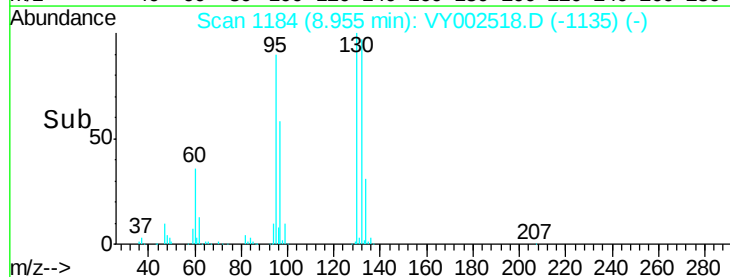
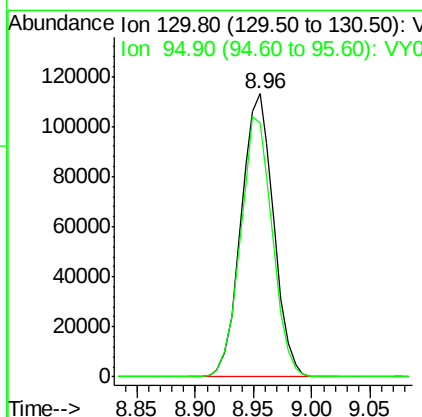
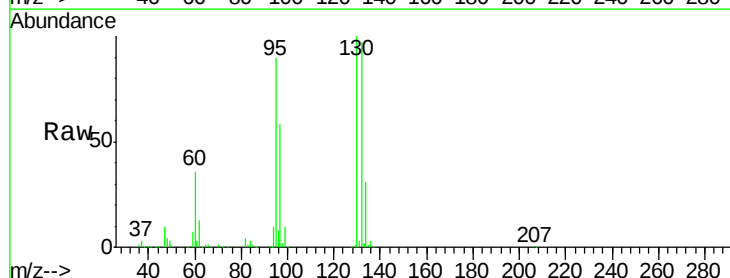
RT: 8.96 min Scan# 1184

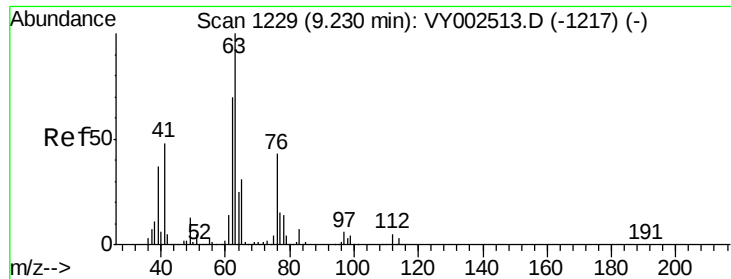
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	130	Resp:	219455
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	175.8





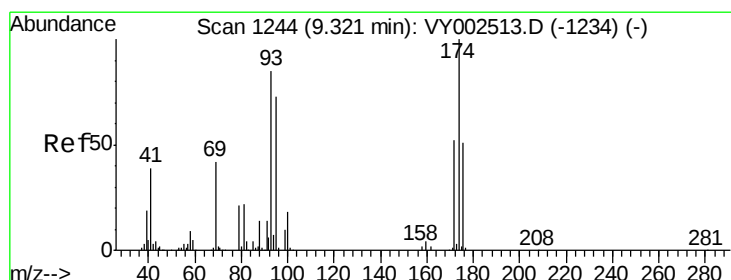
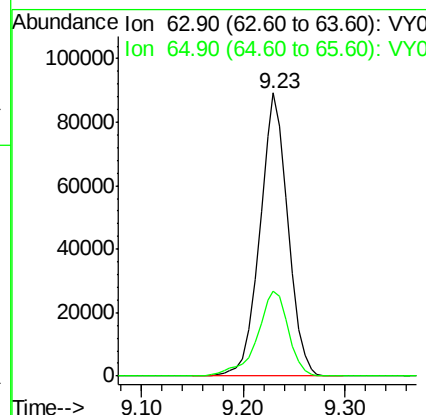
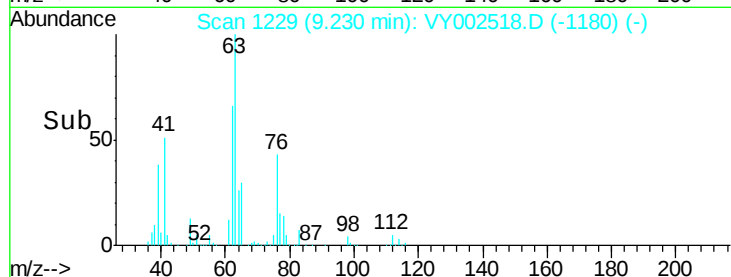
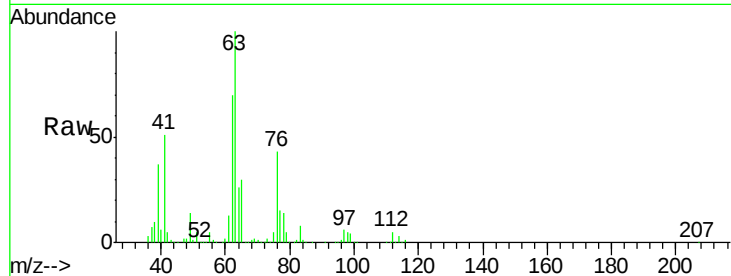
#45
 1,2-Dichloropropane
 Concen: 51.134 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.5	36.7

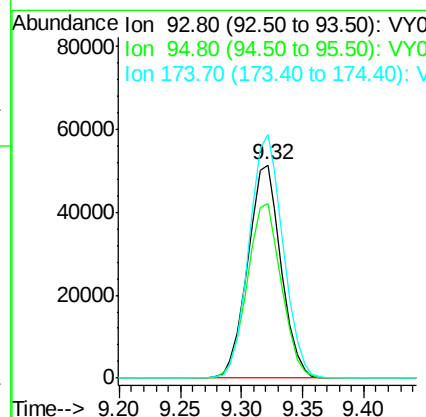
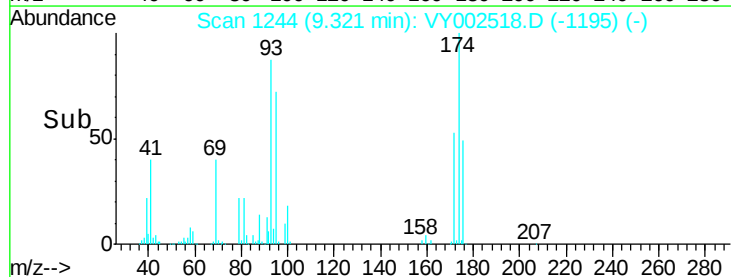
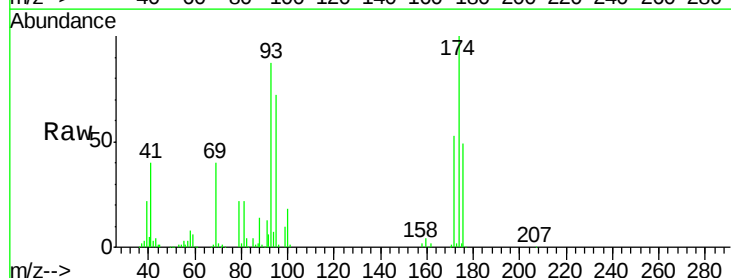
Manual Integrations
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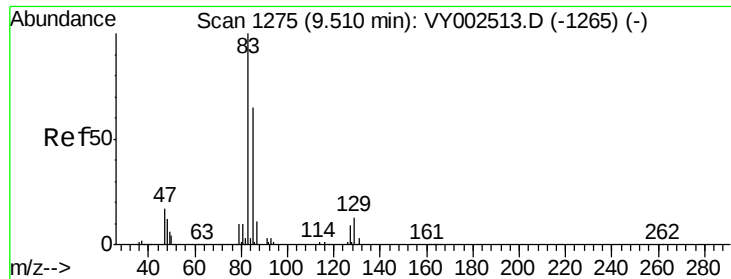
MMDadoda
 5/4/2020 2:19:08 PM



#46
 Dibromomethane
 Concen: 50.922 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.0	100.4
174	116.2	92.7	139.1





#47

Bromodichloromethane

Concen: 50.918 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

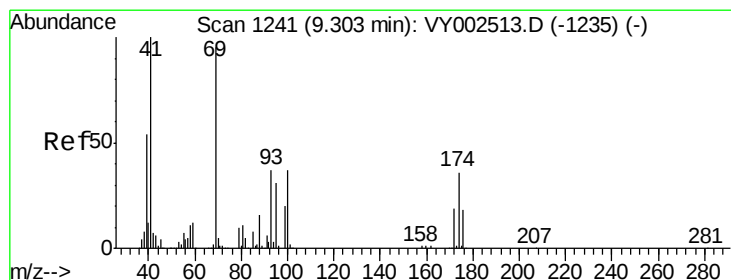
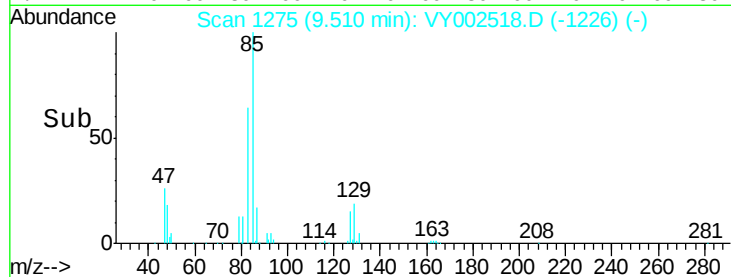
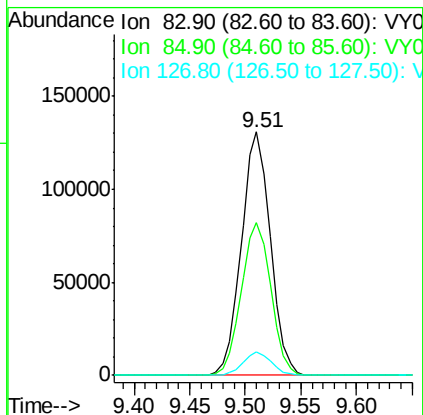
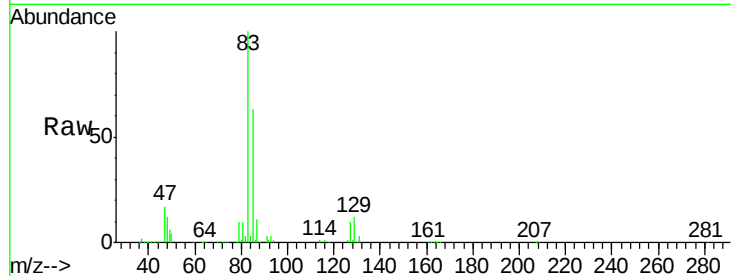
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	236366
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.8	77.8
127	9.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.234 ug/l

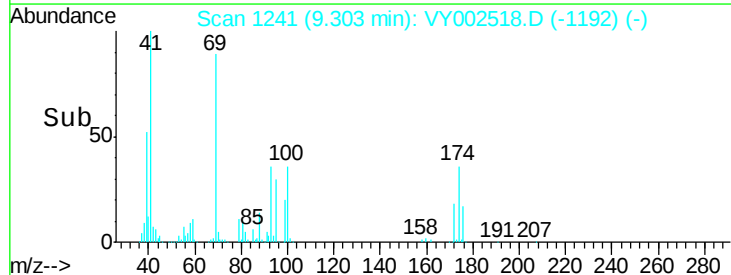
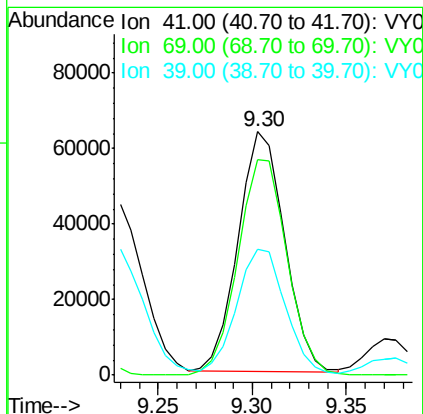
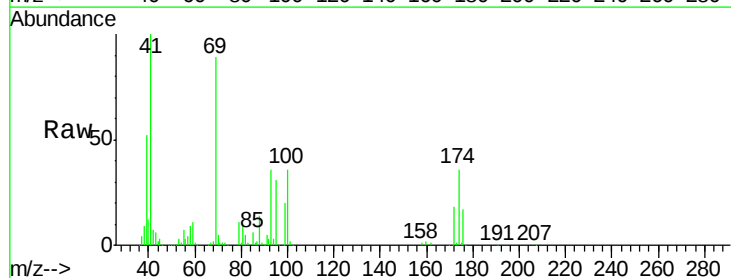
RT: 9.30 min Scan# 1241

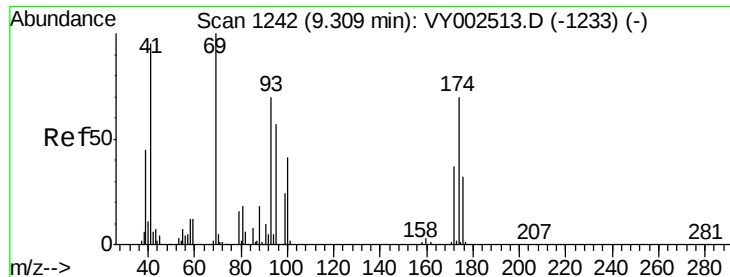
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	41	Resp:	108407
Ion Ratio	Lower	Upper	
41	100		
69	95.6	76.2	114.4
39	53.3	42.7	64.1





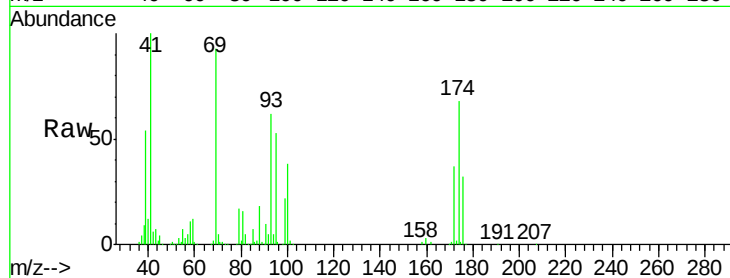
#49
1,4-Dioxane
Concen: 1009.008 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	22.8	34.2
58	66.1	51.4	77.2

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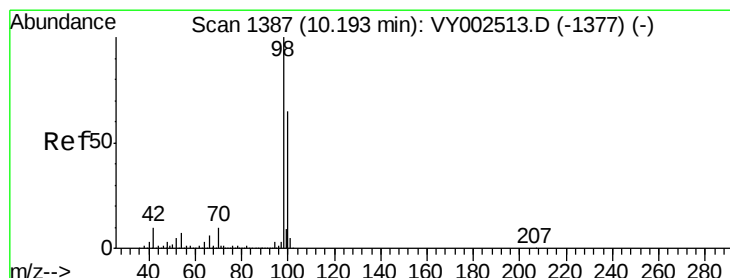
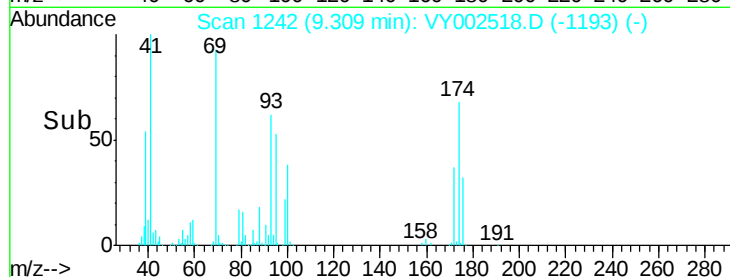
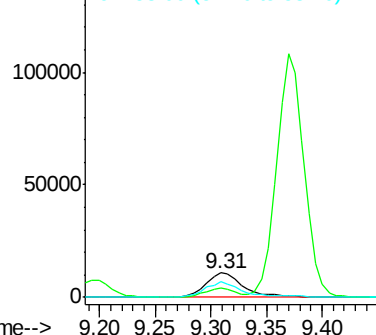


Abundance

Ion 88.00 (87.70 to 88.70): VY002518.D (-1193) (-)

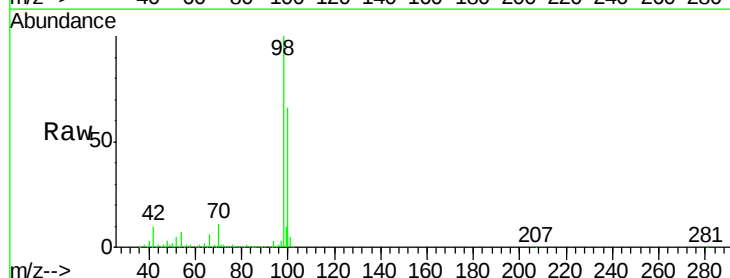
Ion 43.00 (42.70 to 43.70): VY002518.D (-1193) (-)

Ion 58.00 (57.70 to 58.70): VY002518.D (-1193) (-)



#50
Toluene-d8
Concen: 52.553 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

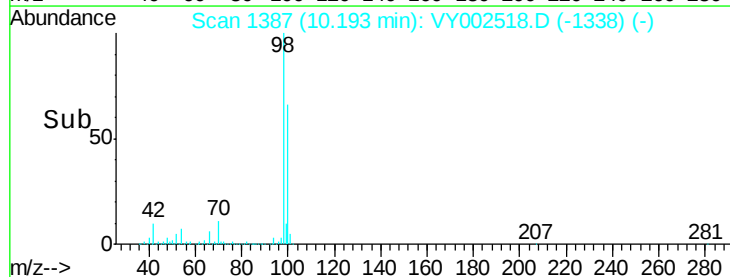
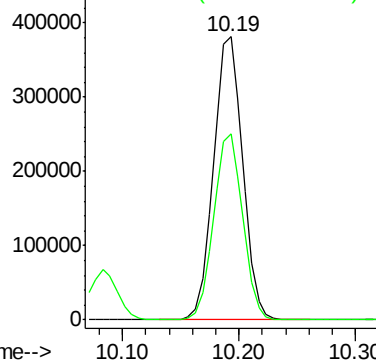
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

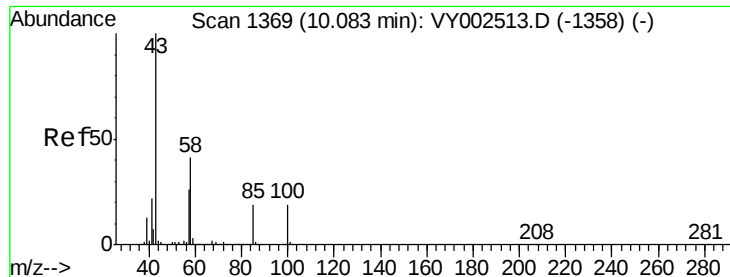


Abundance

Ion 98.00 (97.70 to 98.70): VY002518.D (-1338) (-)

Ion 100.00 (99.70 to 100.70): VY002518.D (-1338) (-)





#51

4-Methyl-2-Pentanone

Concen: 262.966 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 621575

Ion Ratio Lower Upper

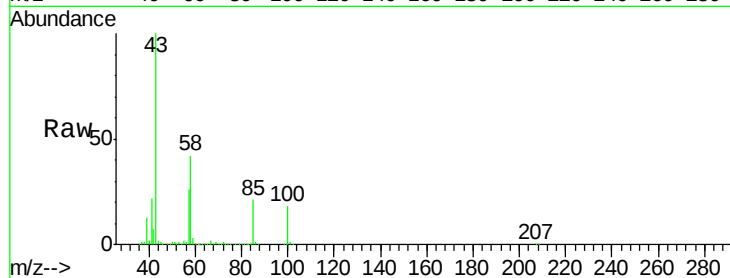
43 100

58 41.4 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

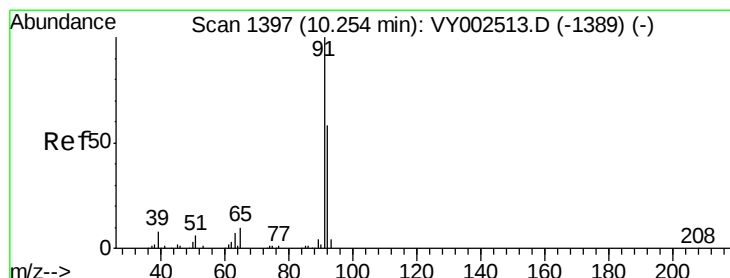
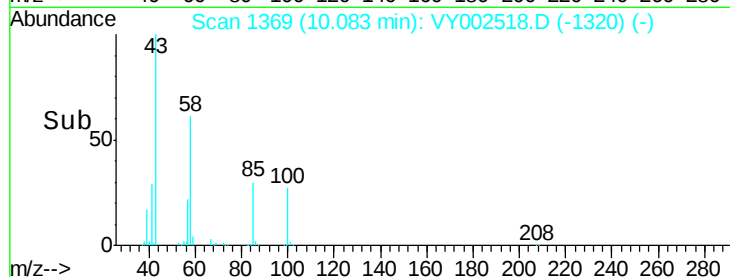
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.914 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002518.D

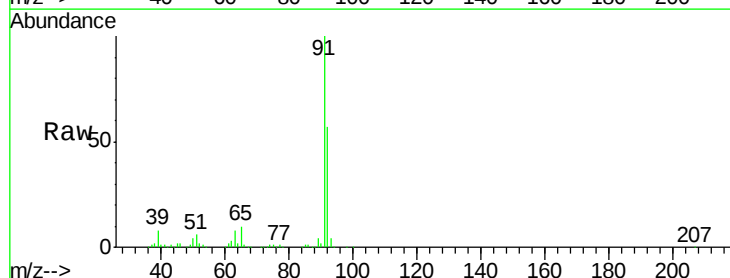
Acq: 01 May 2020 10:00

Tgt Ion: 92 Resp: 449864

Ion Ratio Lower Upper

92 100

91 173.0 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

500000

400000

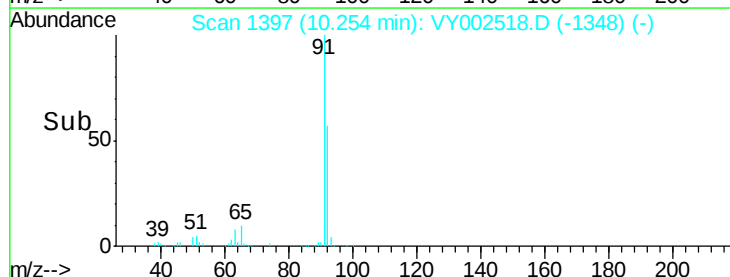
300000

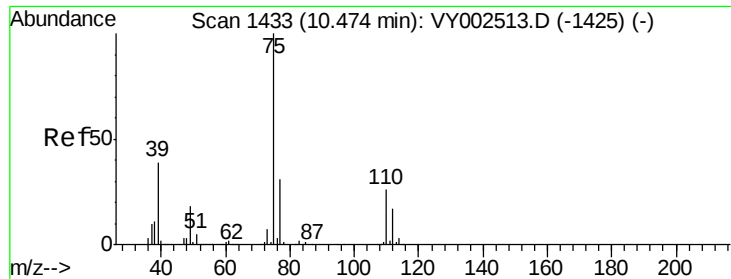
200000

100000

0

Time-->





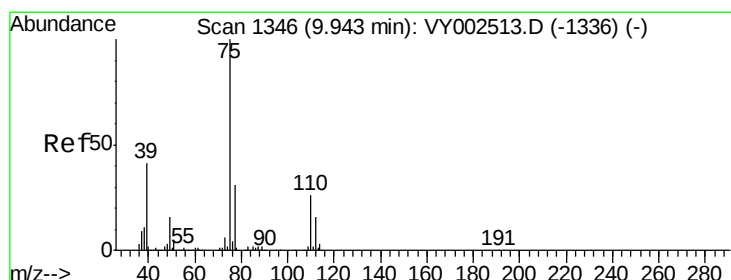
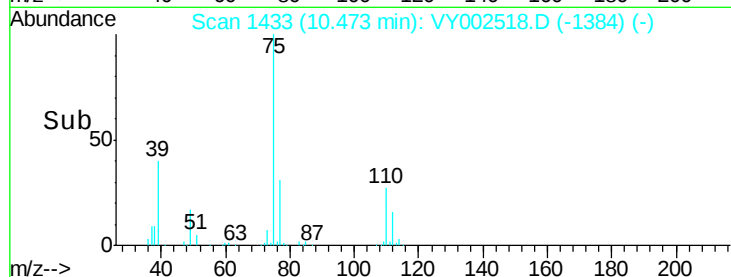
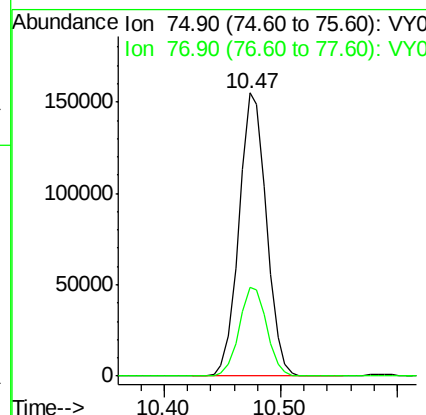
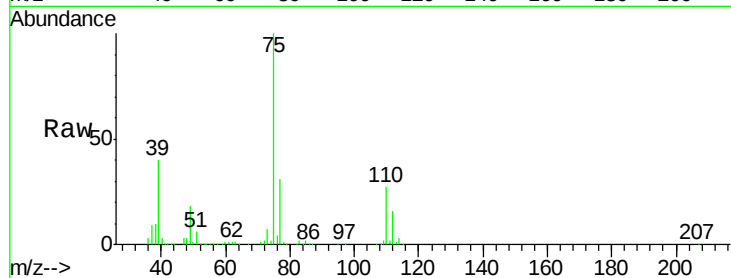
#53
t-1,3-Dichloropropene
Concen: 52.305 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

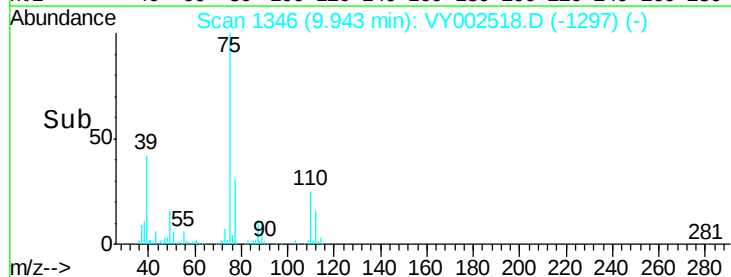
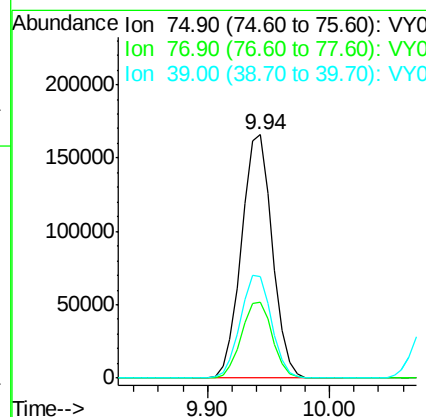
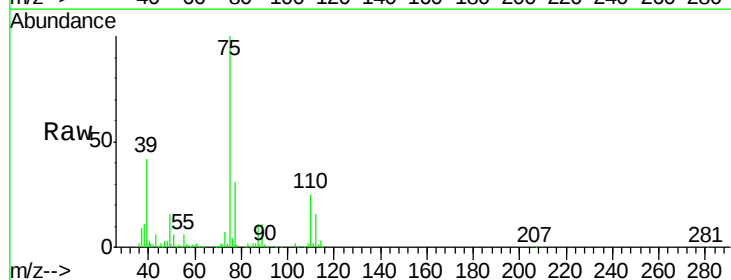
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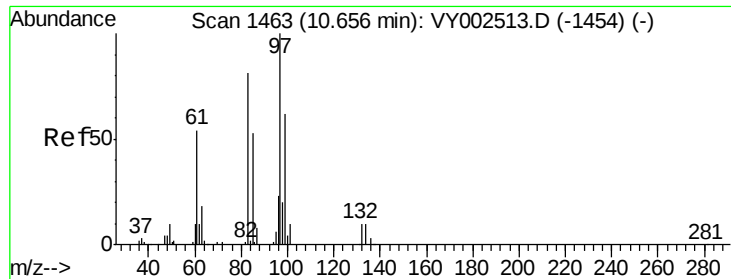
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#54
cis-1,3-Dichloropropene
Concen: 51.506 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	41.9	32.7	49.1





#55

1,1,2-Trichloroethane

Concen: 50.637 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

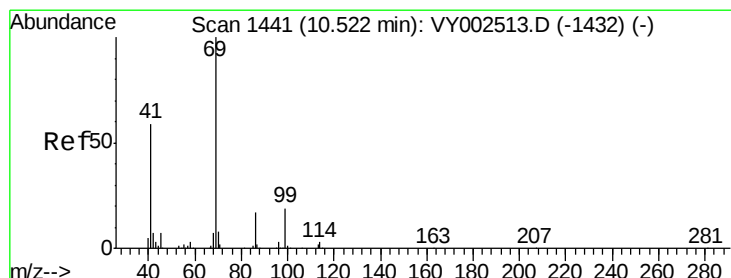
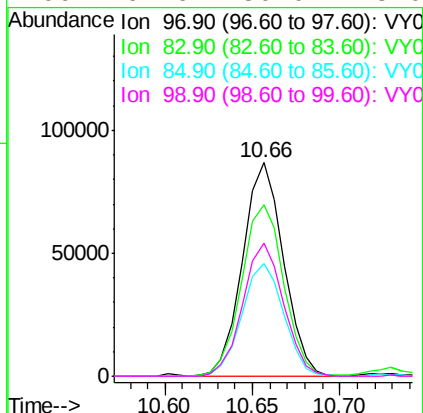
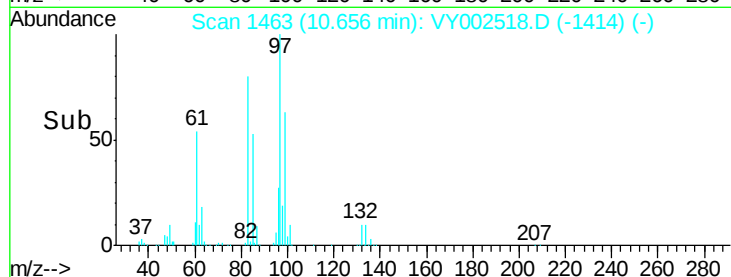
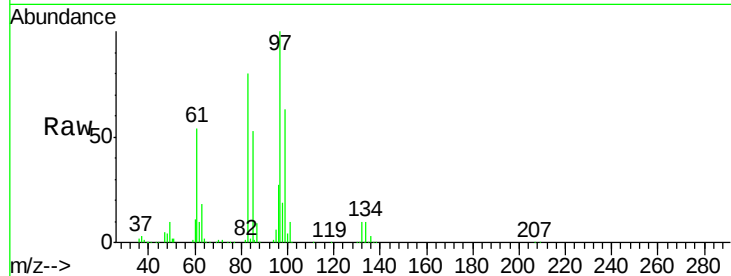
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	140974
Ion	Ratio	Lower	Upper
97	100		
83	80.4	65.1	97.7
85	52.8	42.7	64.1
99	62.6	50.0	75.0

Manual Integrations
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5/4/2020 2:19:08 PM



#56

Ethyl methacrylate

Concen: 52.806 ug/l

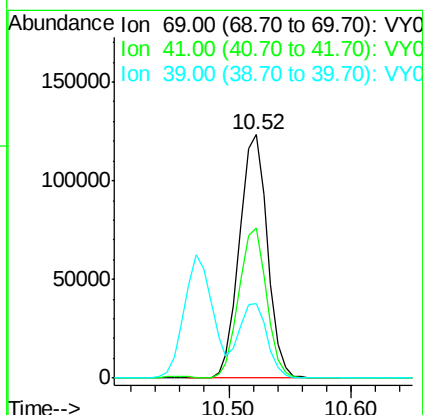
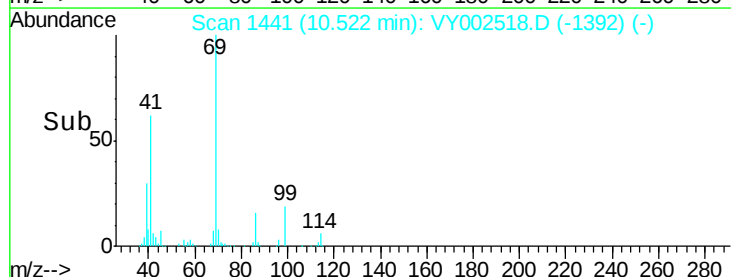
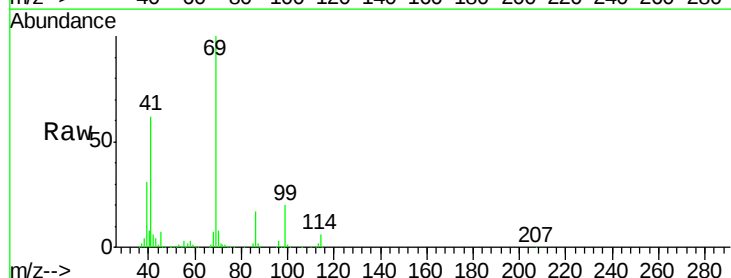
RT: 10.52 min Scan# 1441

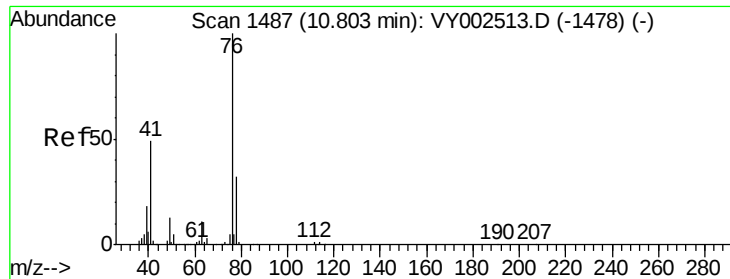
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	69	Resp:	195574
Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.6	73.0
39	30.9	25.0	37.4





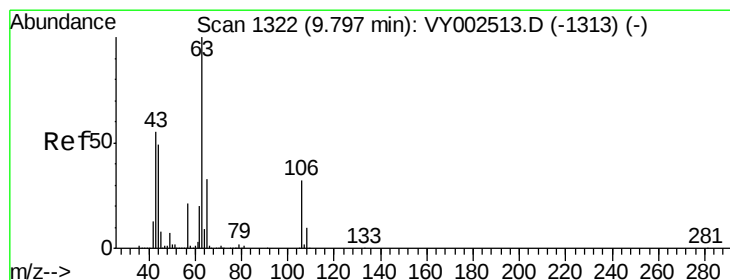
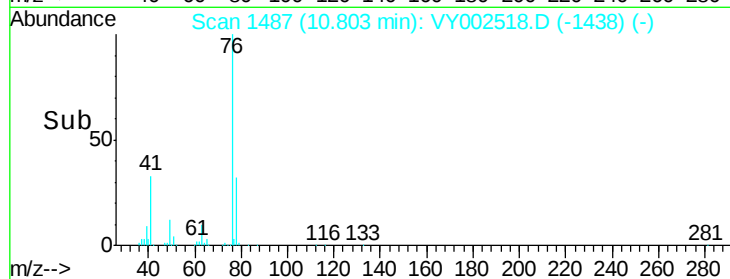
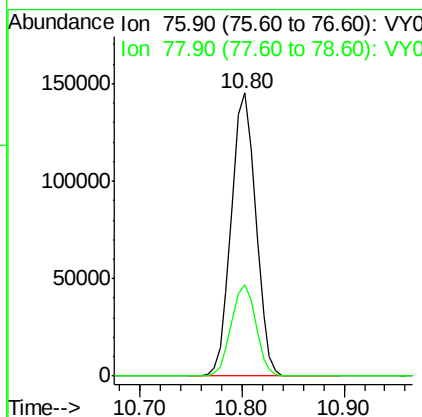
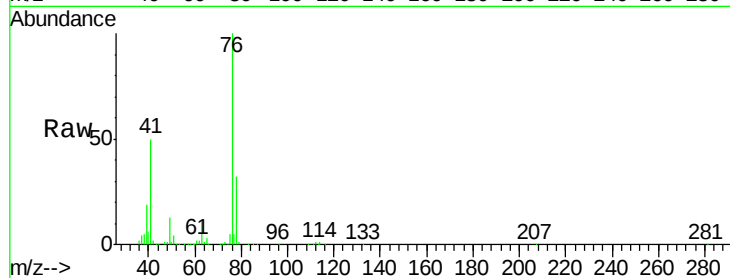
#57
 1,3-Dichloropropane
 Concen: 51.161 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.2

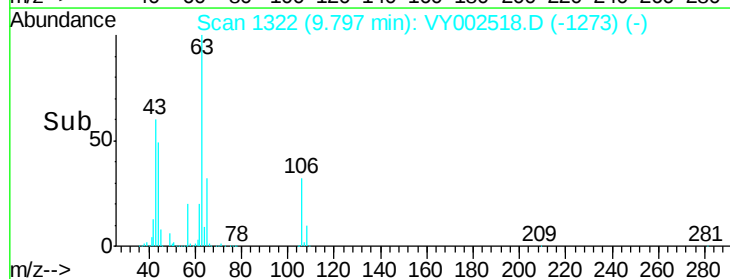
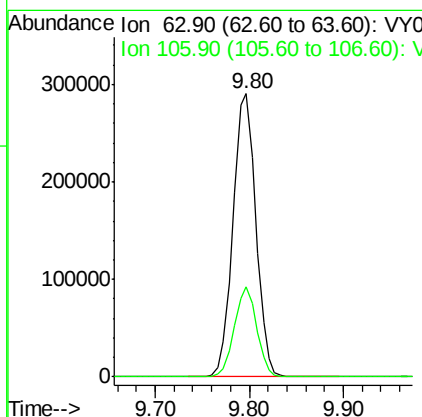
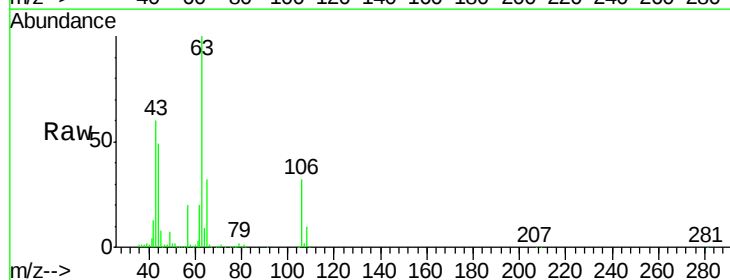
Manual Integrations
 APPROVED

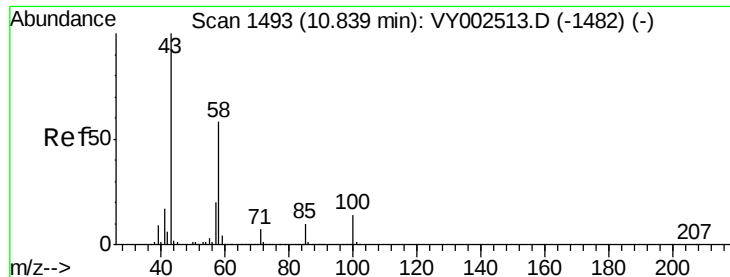
MMDadoda
 5/4/2020 2:19:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.338 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	25.2	37.8





#59

2-Hexanone

Concen: 266.466 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDC0050

Tot Ion: 43 Resp: 433505

Ion Ratio Lower Upper

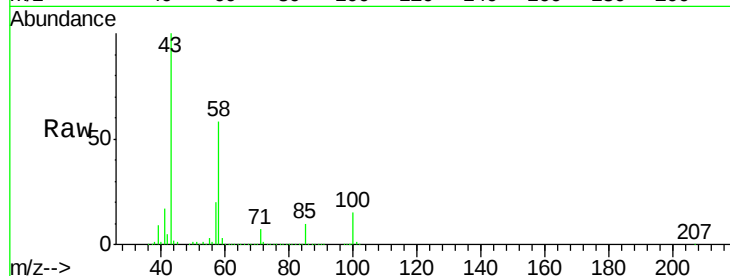
43 100

58 58.6 29.1 87.3

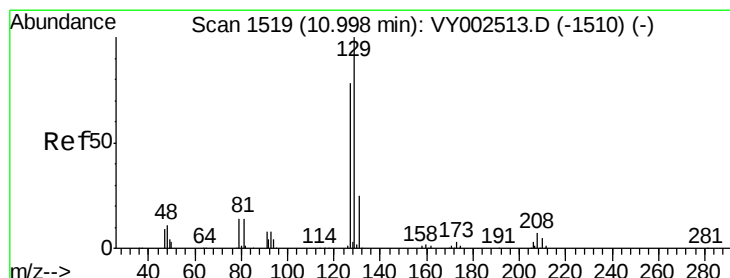
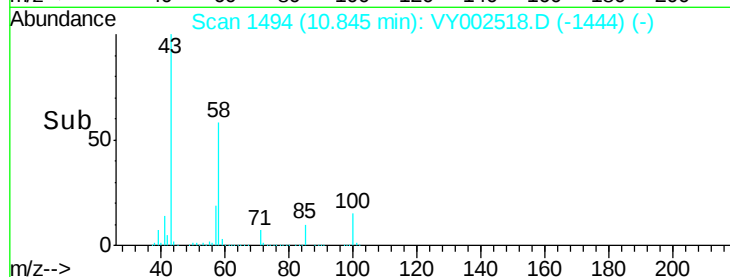
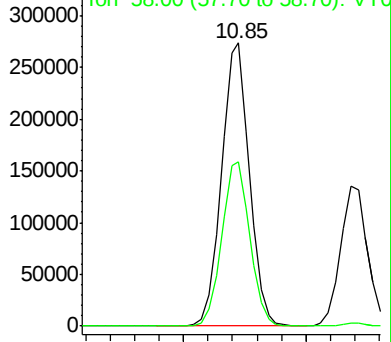
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Abundance Ion 43.00 (42.70 to 43.70): VY002518.D (-1482) (-)



#60

Dibromochloromethane

Concen: 51.404 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. -0.00 min

Lab File: VY002518.D

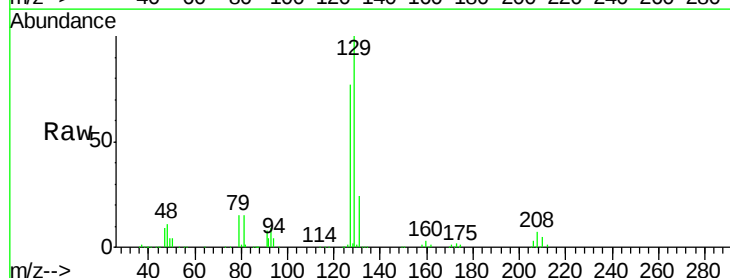
Acq: 01 May 2020 10:00

Tgt Ion: 129 Resp: 182018

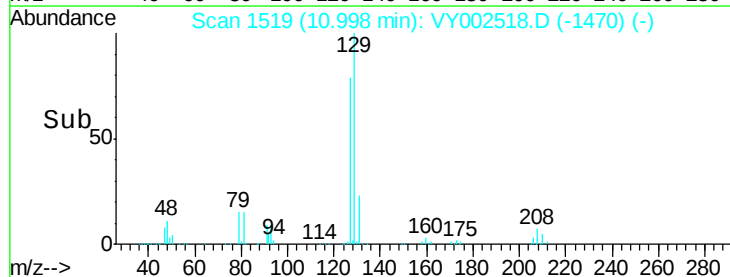
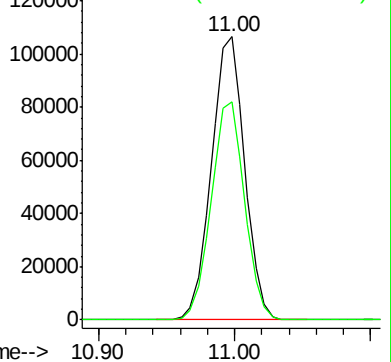
Ion Ratio Lower Upper

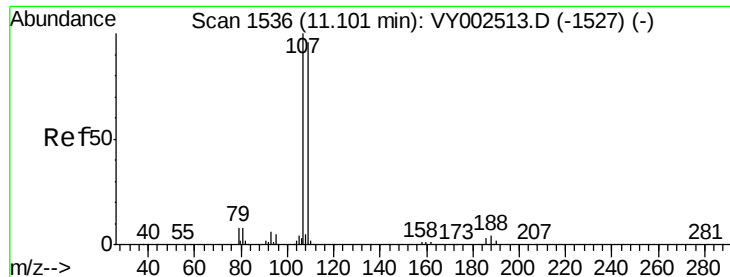
129 100

127 77.3 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): VY002518.D (-1510) (-)





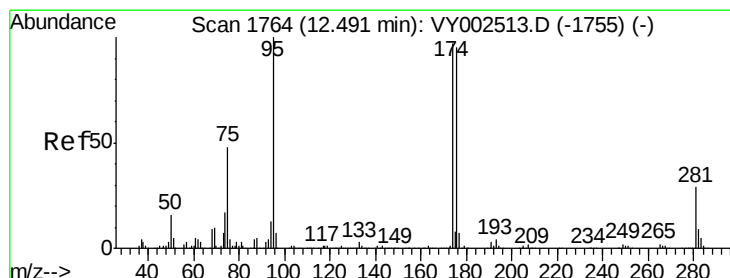
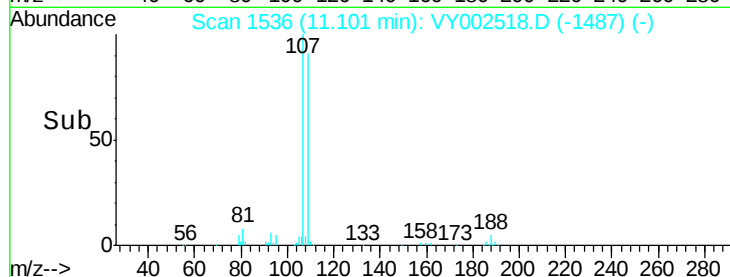
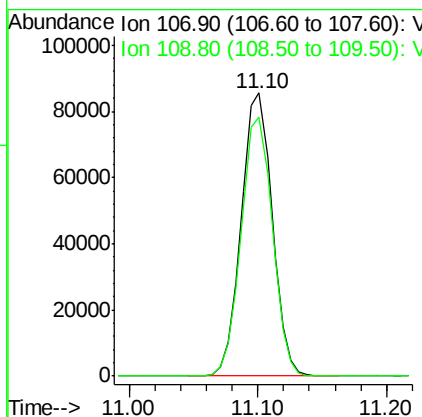
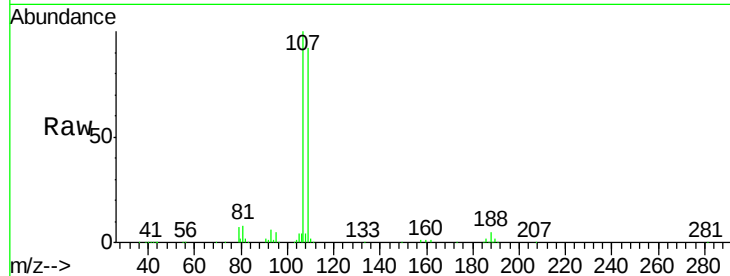
#61
 1,2-Dibromoethane
 Concen: 51.525 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.8	113.8

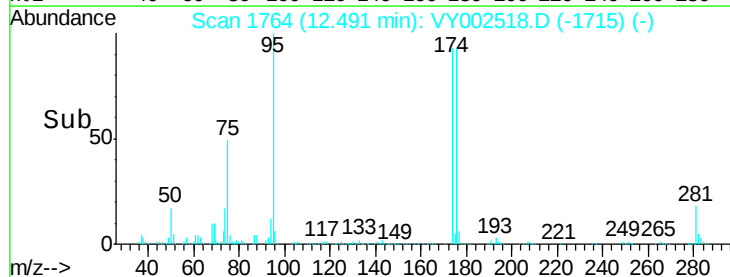
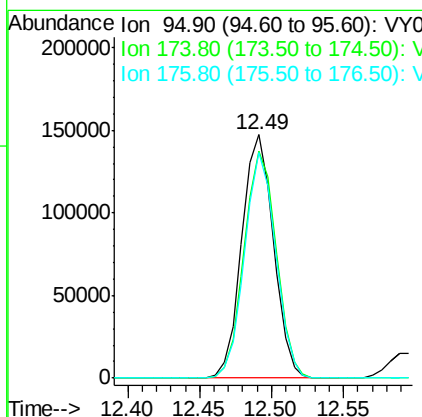
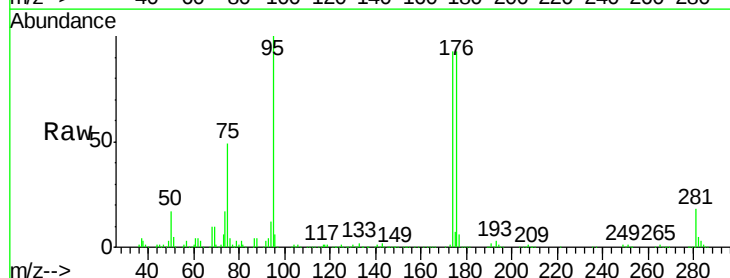
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.217 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	188.8
176	90.8	0.0	183.2





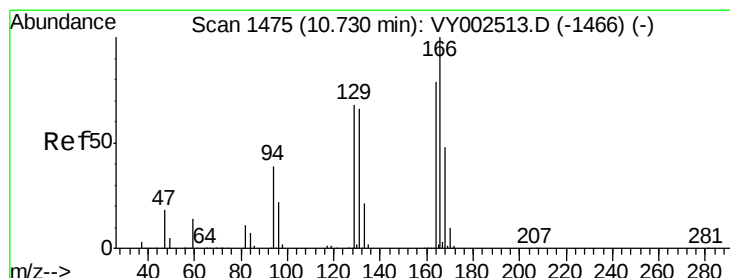
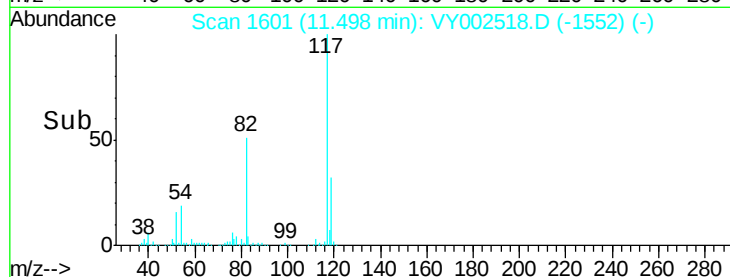
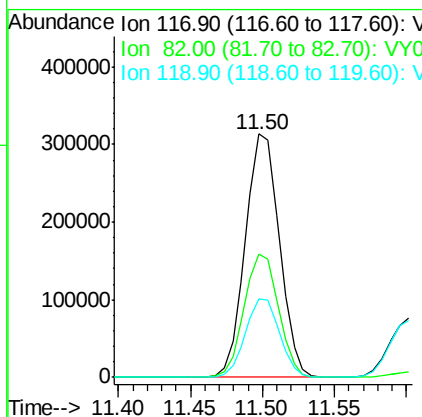
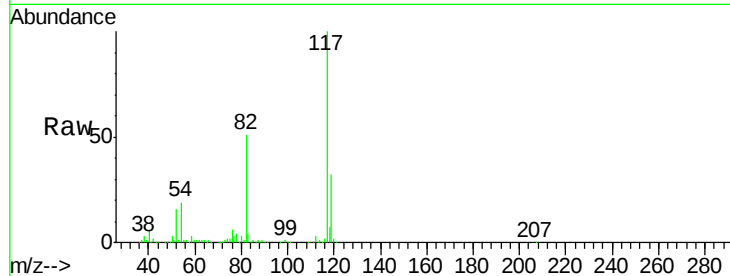
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	513286		
82	50.6		41.3	61.9
119	32.0		26.0	39.0

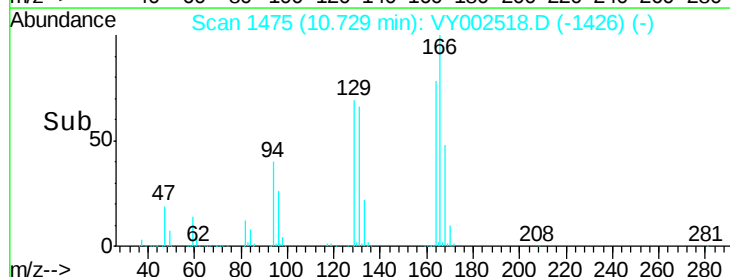
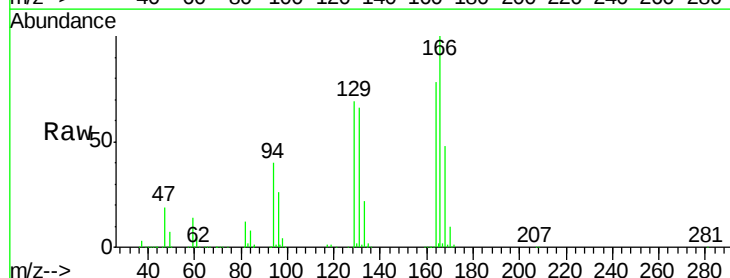
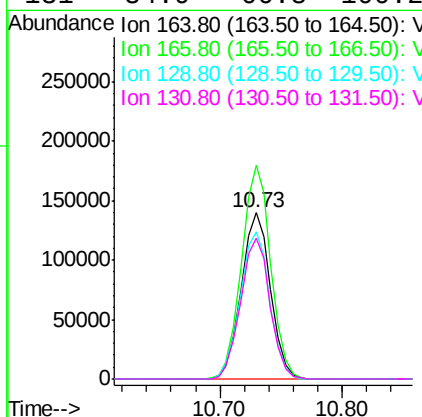
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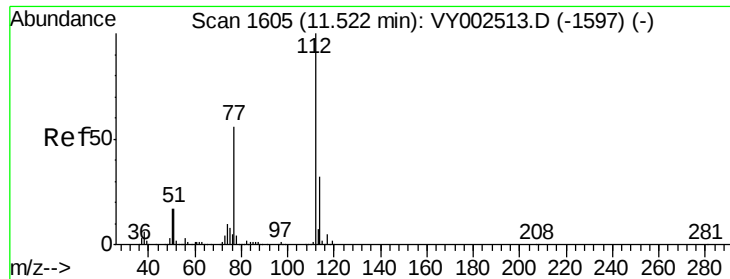
MMDadoda
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#64
Tetrachloroethene
Concen: 50.571 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230630		
166	128.6		100.7	151.1
129	88.6		68.3	102.5
131	84.9		66.8	100.2





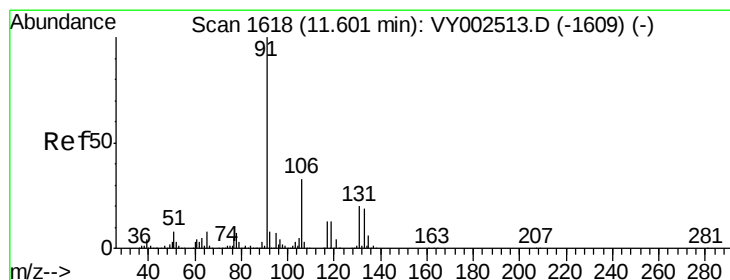
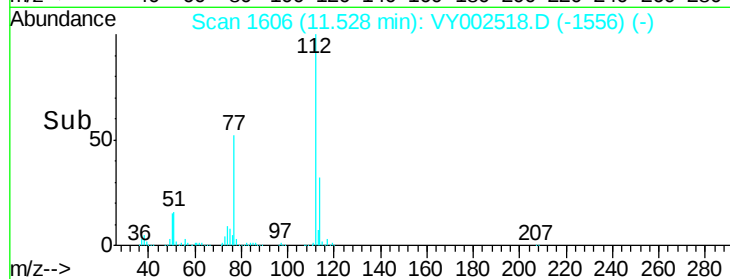
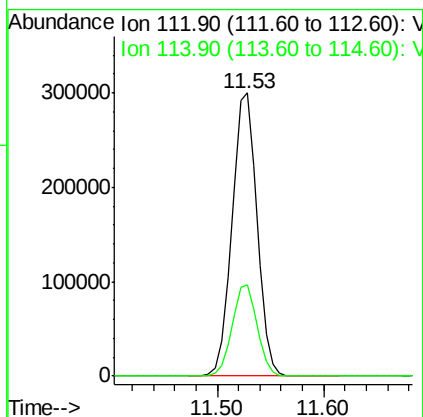
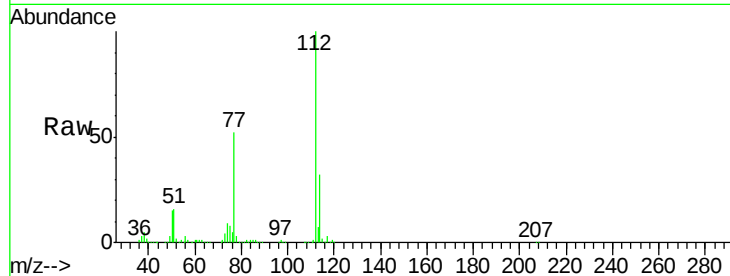
#65
Chlorobenzene
Concen: 50.612 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

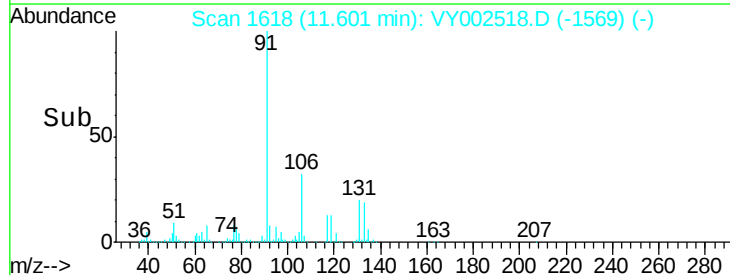
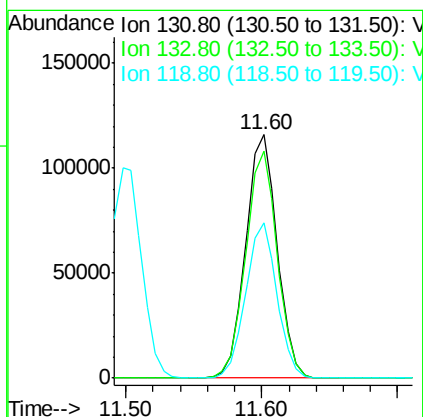
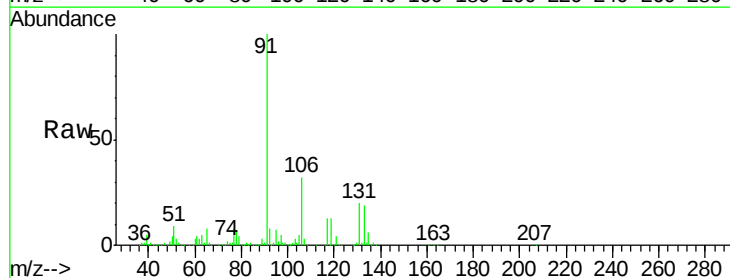
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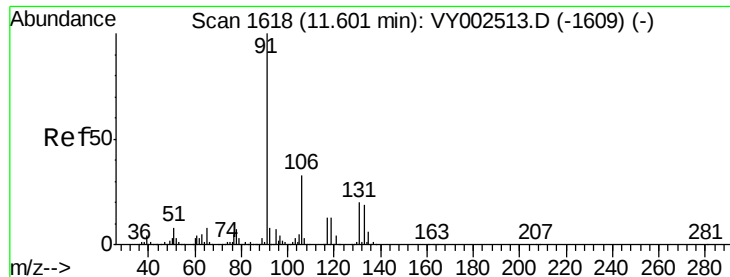
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.860 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.1	144.4
119	63.0	31.6	95.0





#67

Ethyl Benzene

Concen: 51.377 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 880587

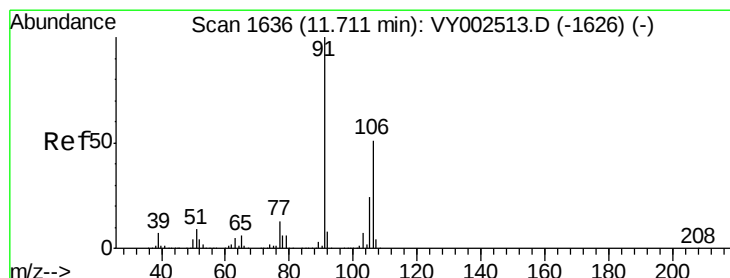
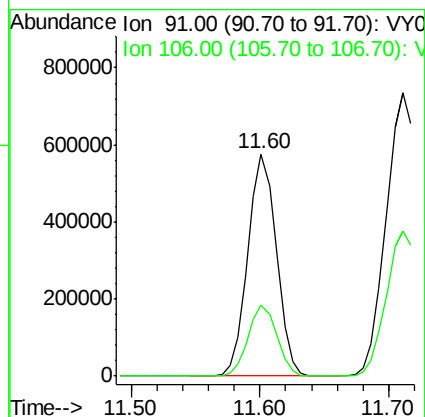
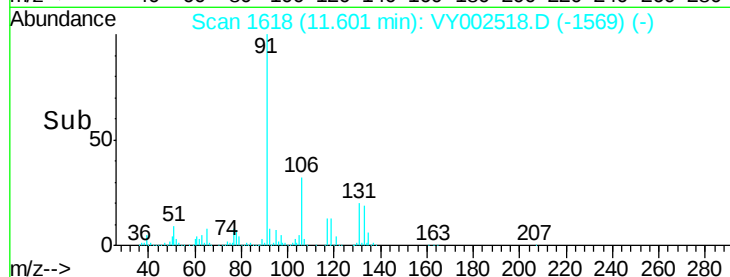
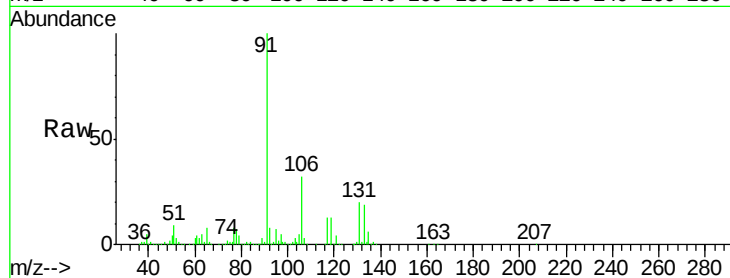
Ion Ratio Lower Upper

91 100

106 31.9 26.1 39.1

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#68

m/p-Xylenes

Concen: 102.525 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002518.D

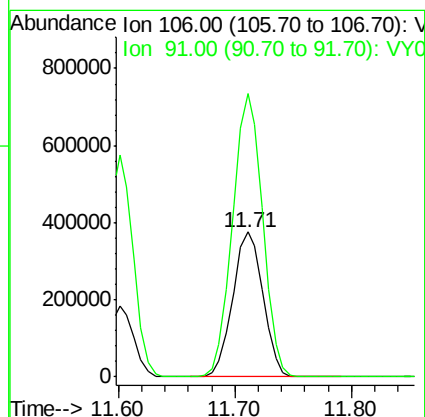
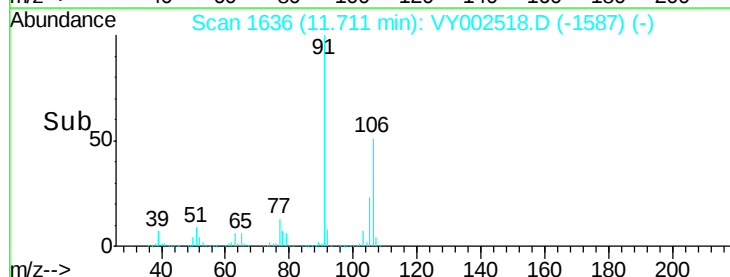
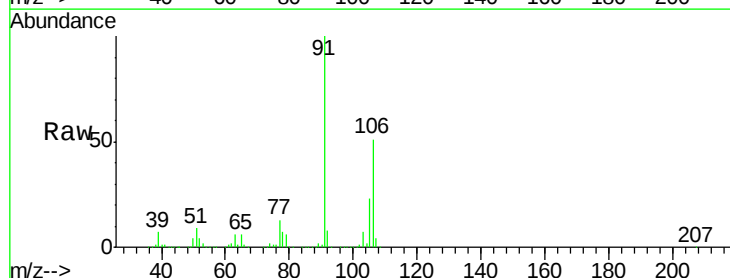
Acq: 01 May 2020 10:00

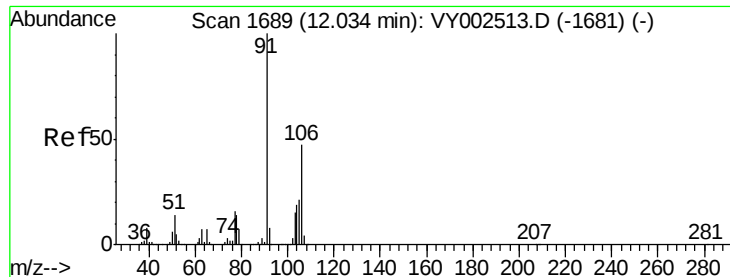
Tgt Ion: 106 Resp: 679926

Ion Ratio Lower Upper

106 100

91 194.0 155.2 232.8





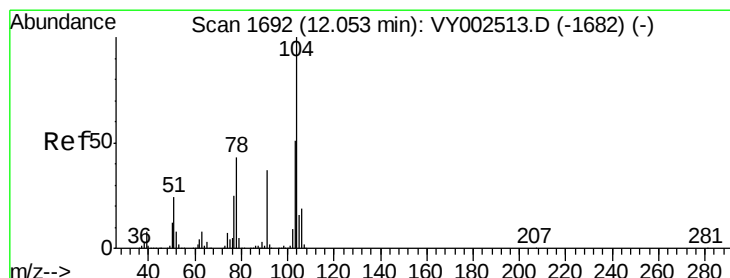
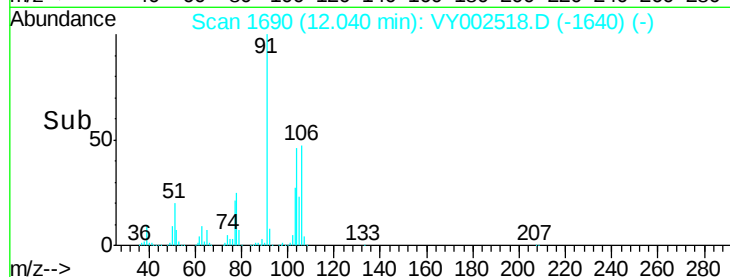
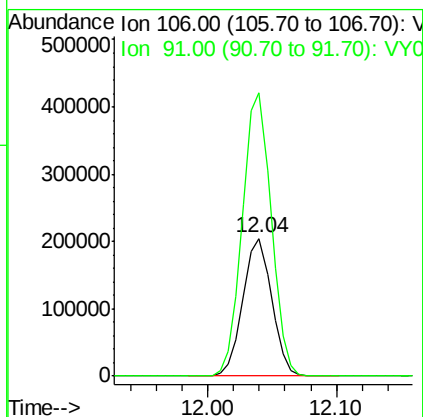
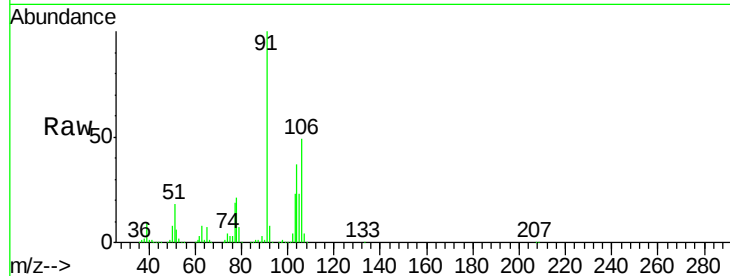
#69
o-Xylene
Concen: 50.900 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		316064		
91	206.3	103.8	311.3		

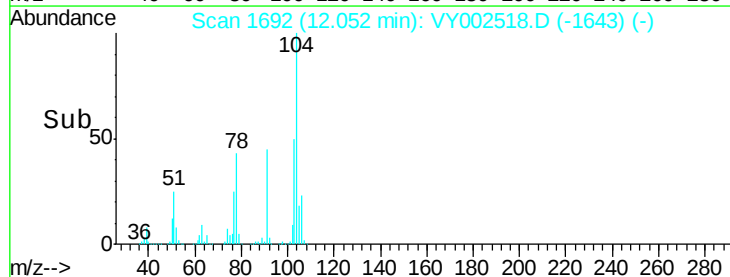
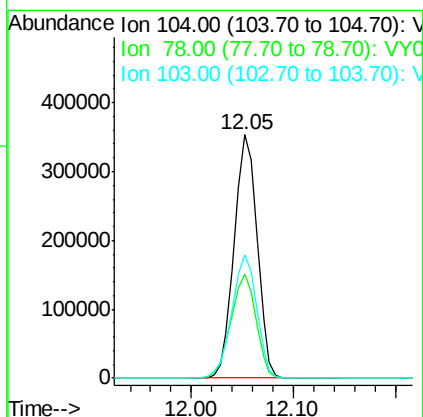
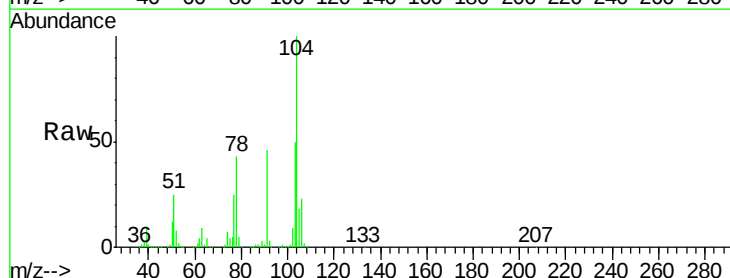
Manual Integrations
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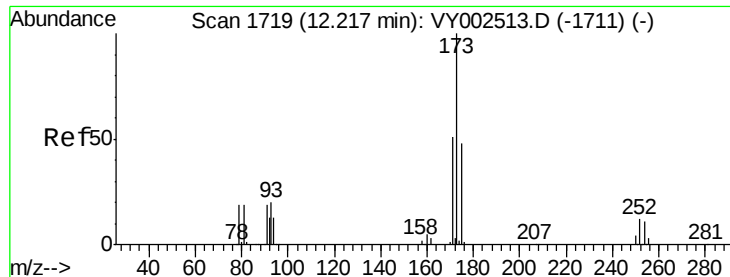
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#70
Styrene
Concen: 51.792 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		549780		
78	46.3	37.4	56.0		
103	54.4	43.9	65.9		





#71

Bromoform

Concen: 52.981 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

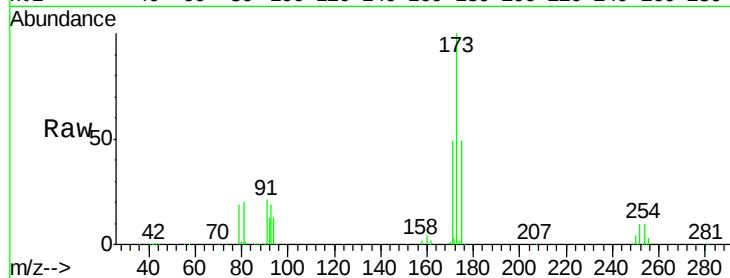
ClientSampleId :

VSTDCCC050

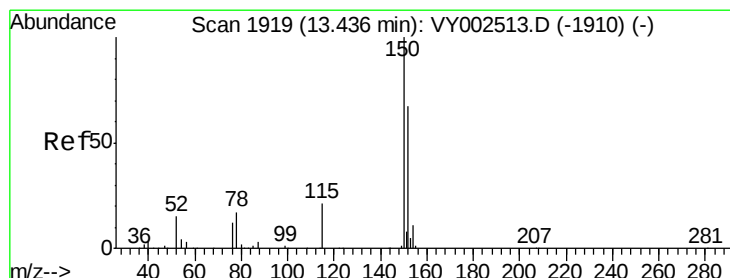
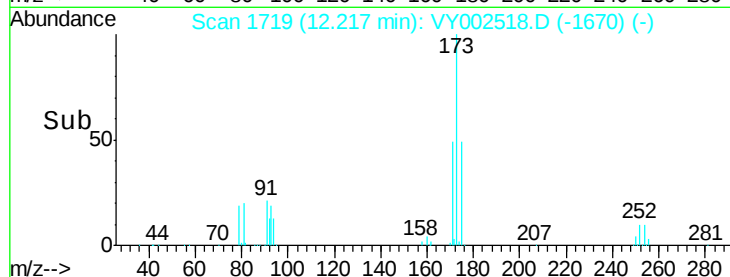
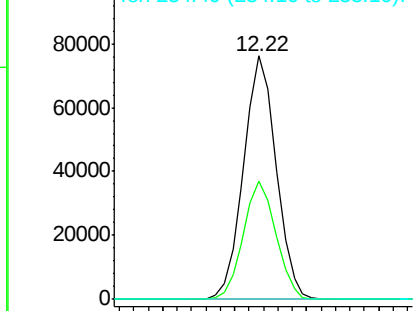
Tot Ion:	173	Resp:	119107
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2

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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

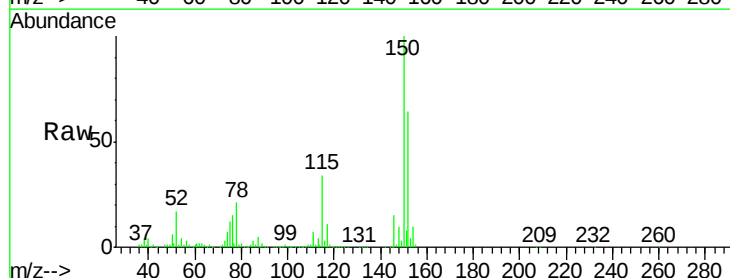
RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

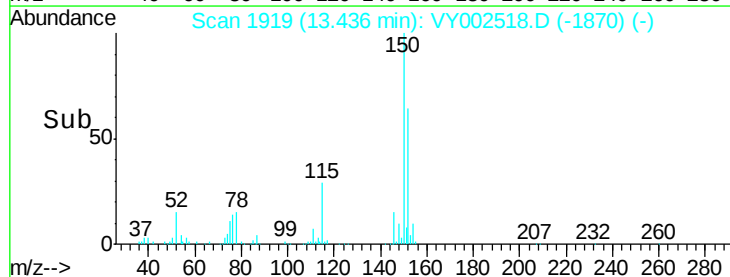
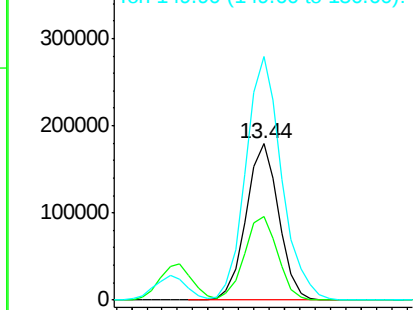
Lab File: VY002518.D

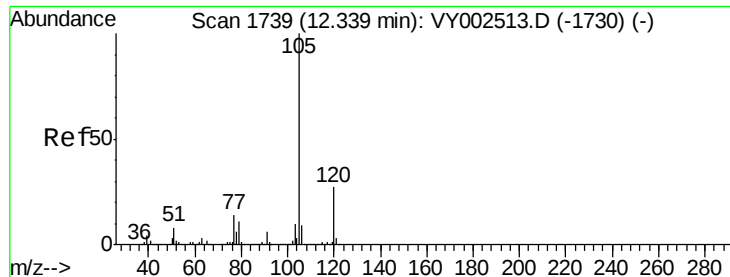
Acq: 01 May 2020 10:00

Tgt Ion:	152	Resp:	265343
Ion Ratio	Lower	Upper	
152	100		
115	54.4	27.5	82.4
150	171.3	0.0	346.4



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





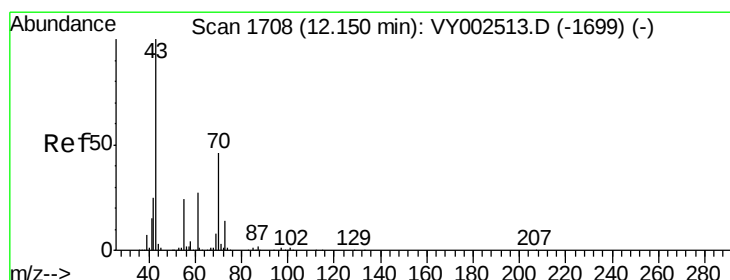
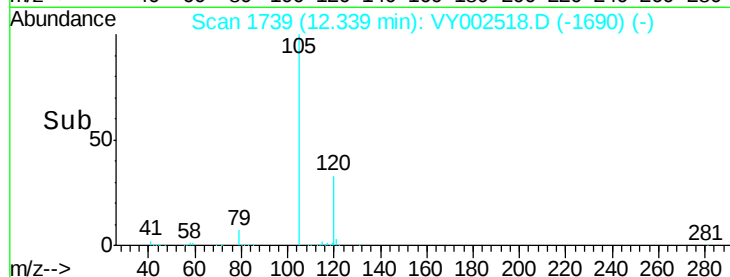
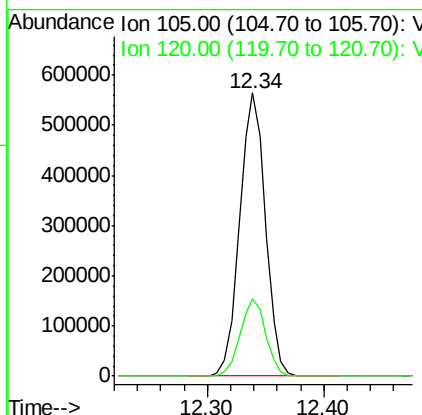
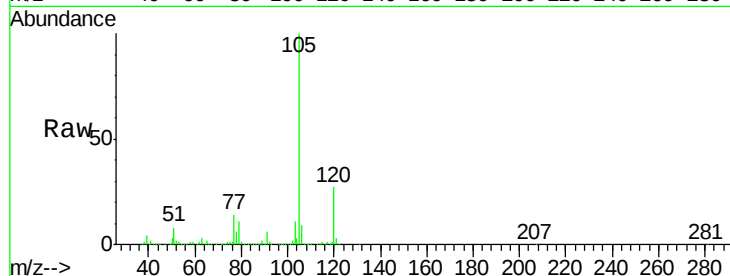
#73
Isopropylbenzene
Concen: 50.427 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.8	41.3

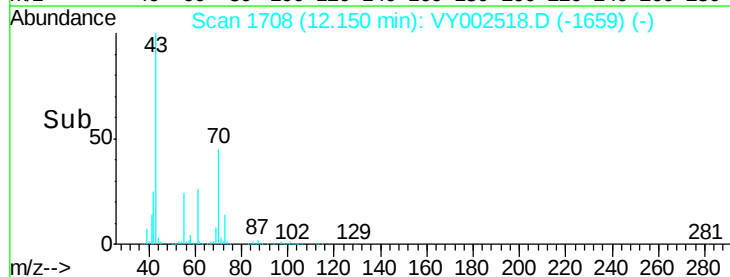
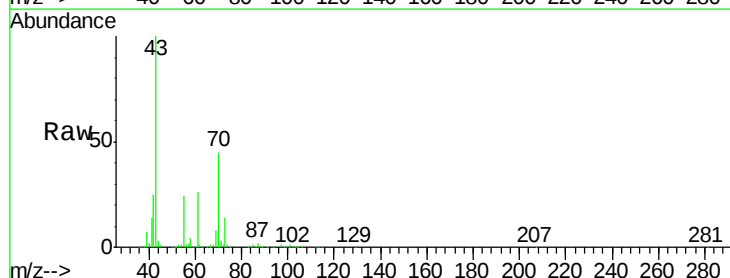
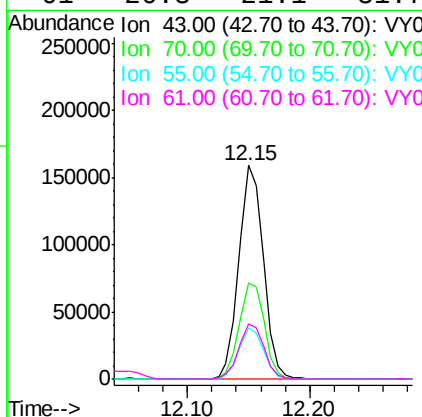
Manual Integrations
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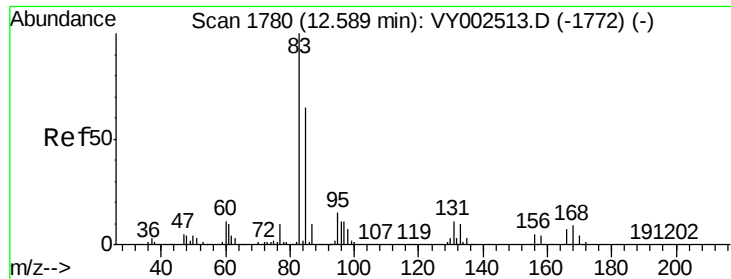
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#74
N-ethyl acetate
Concen: 53.367 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.2	36.7	55.1
55	24.3	19.2	28.8
61	26.3	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.045 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

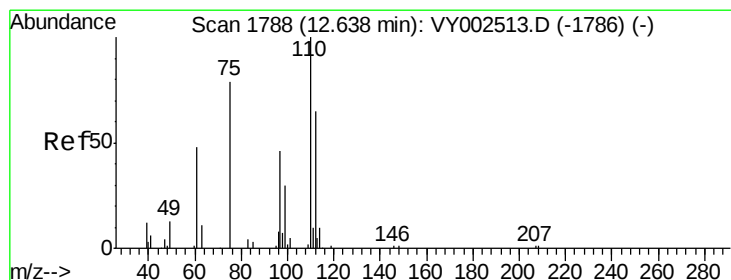
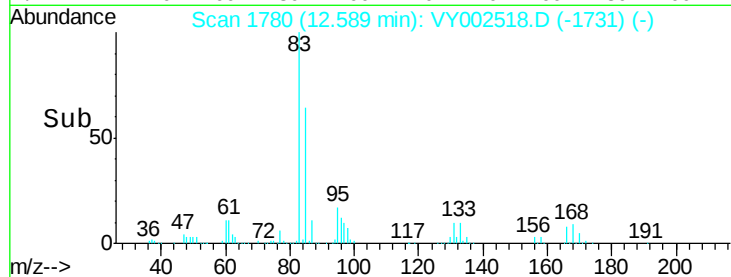
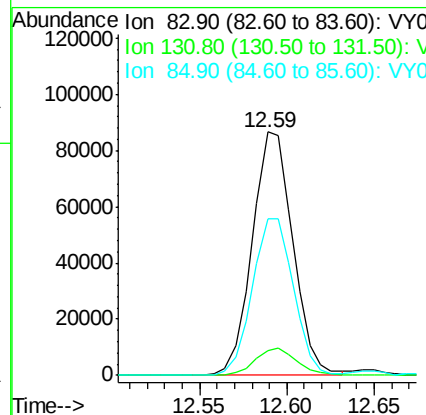
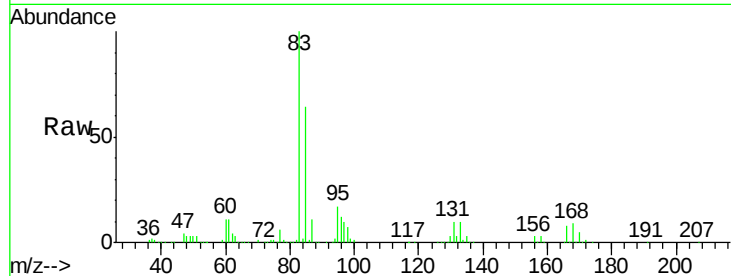
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	139602
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.8
85	65.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.204 ug/l m

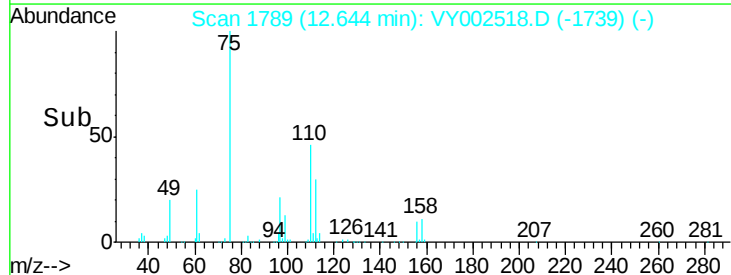
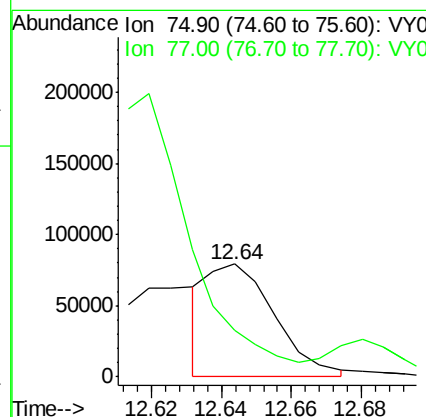
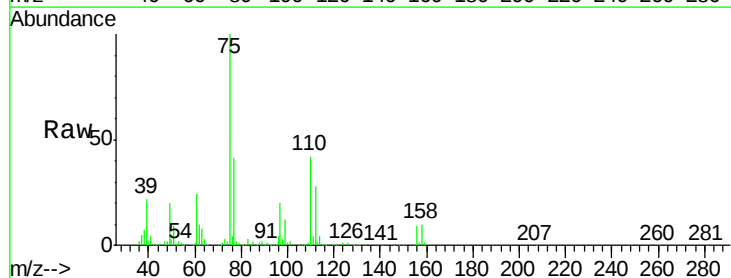
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion:	75	Resp:	106591
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.144 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

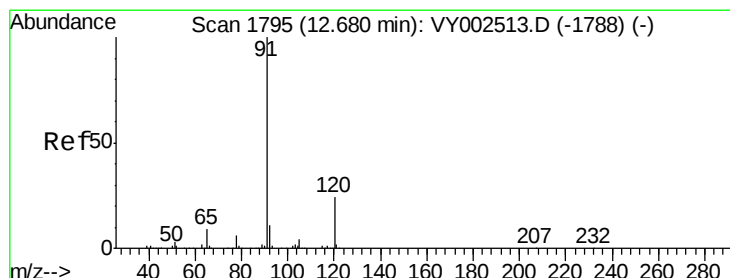
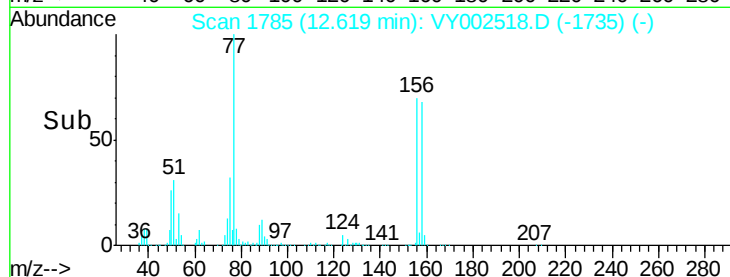
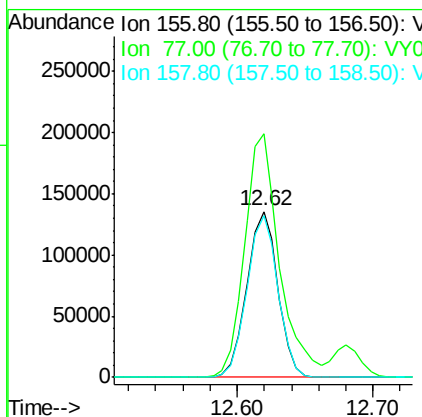
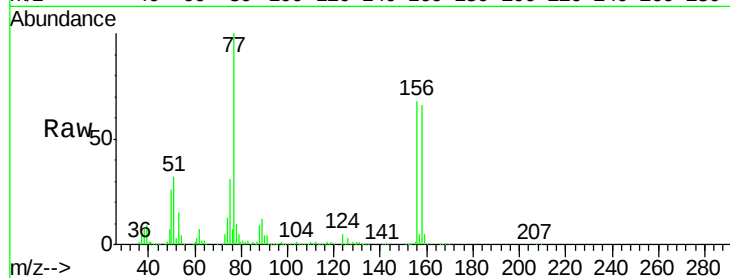
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.3	82.0	245.8
158	97.7	48.5	145.6

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#78

n-propylbenzene

Concen: 50.991 ug/l

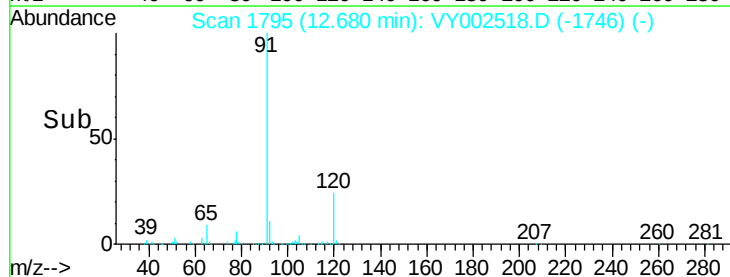
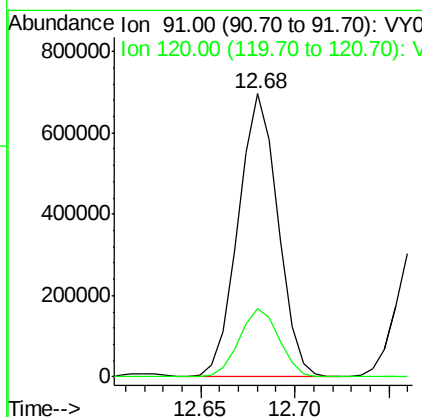
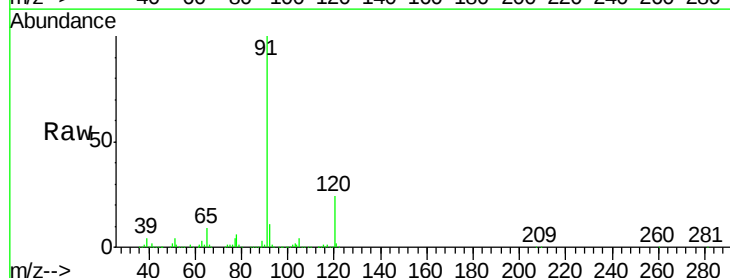
RT: 12.68 min Scan# 1795

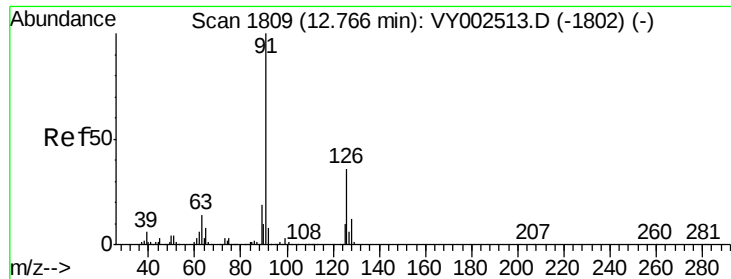
Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.2	36.4





#79

2-Chlorotoluene

Concen: 50.286 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 555884

Ion Ratio Lower Upper

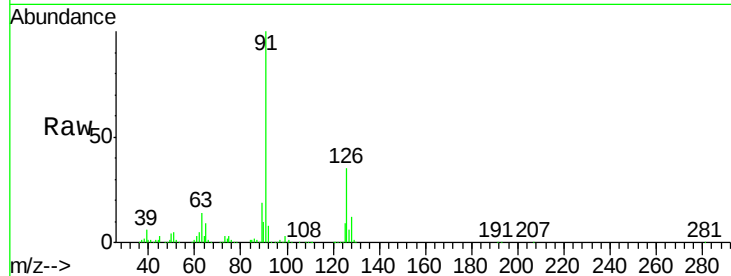
91 100

126 36.1 18.4 55.2

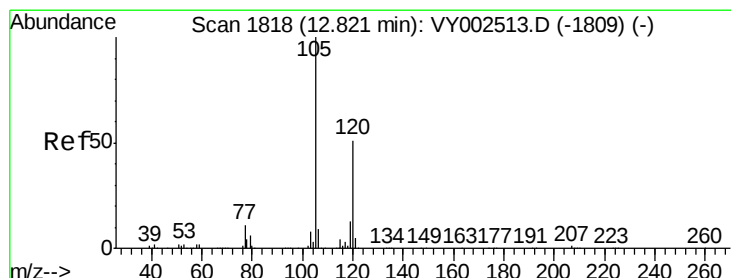
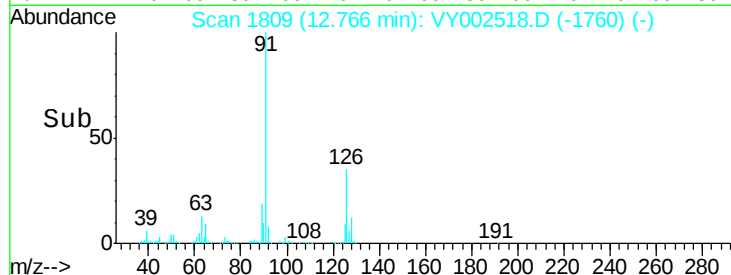
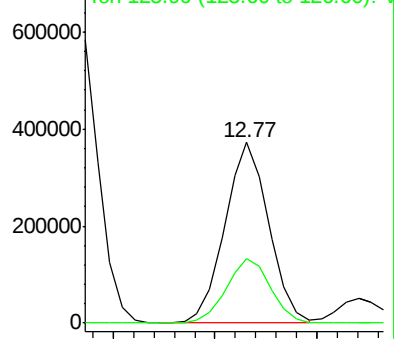
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.908 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002518.D

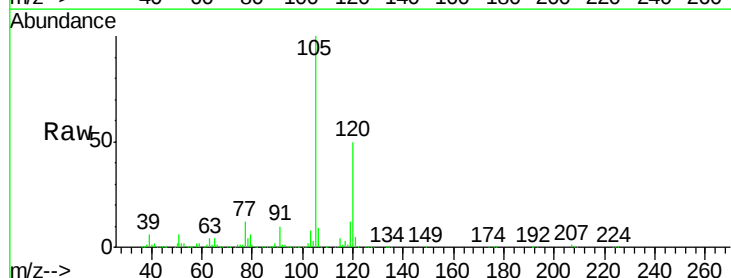
Acq: 01 May 2020 10:00

Tgt Ion: 105 Resp: 725689

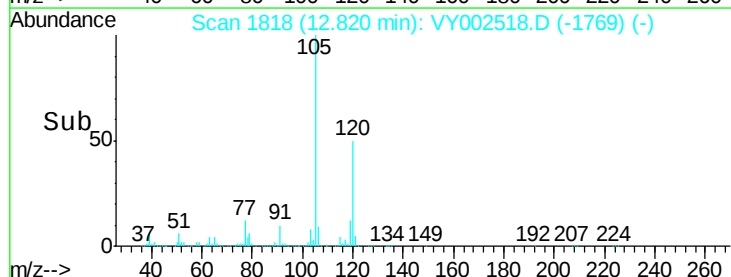
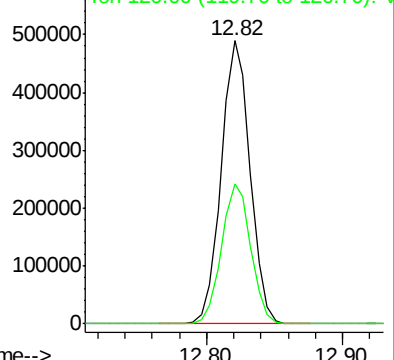
Ion Ratio Lower Upper

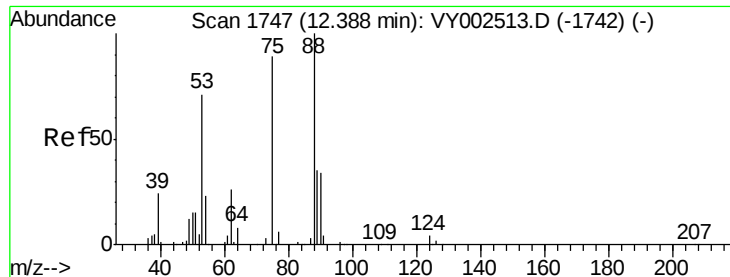
105 100

120 50.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002513.D (-1809) (-)





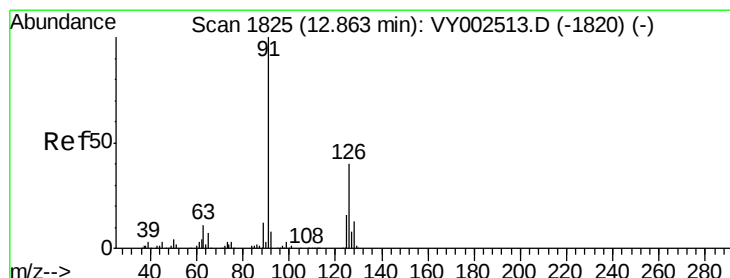
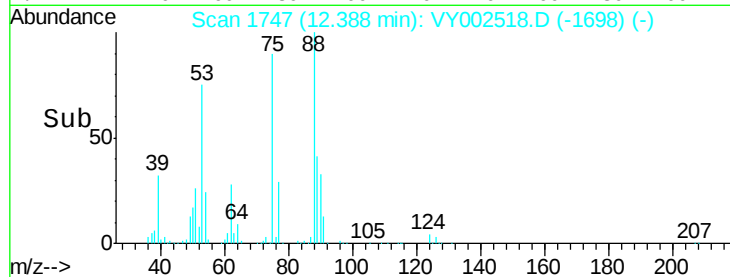
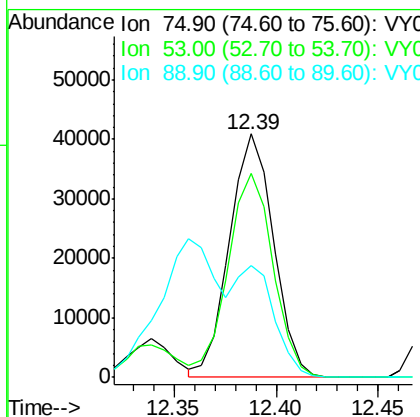
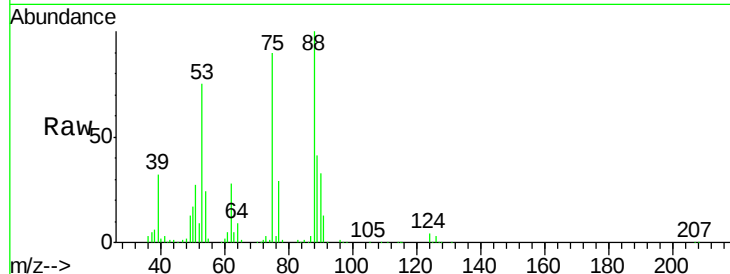
#81
trans-1,4-Dichloro-2-butene
Concen: 52.279 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	67.4	101.0
89	0.0	37.4	56.0#

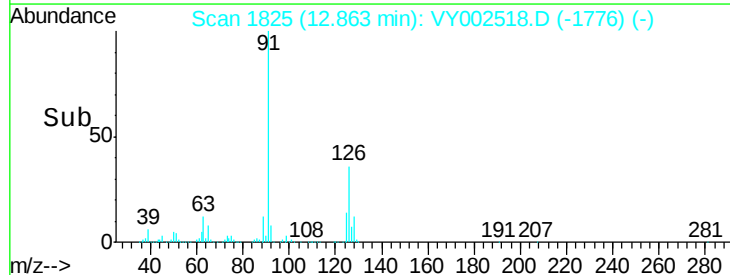
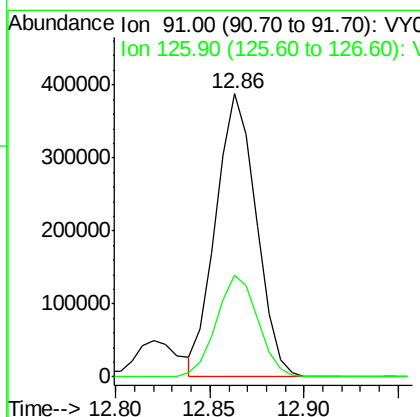
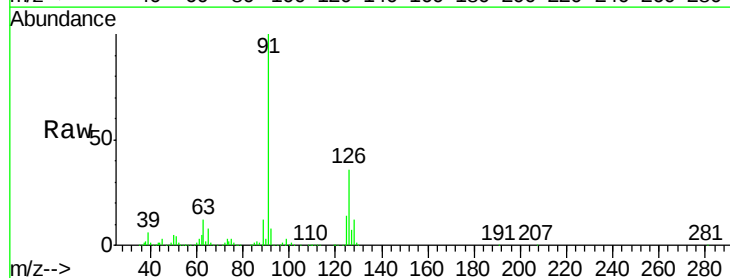
Manual Integrations
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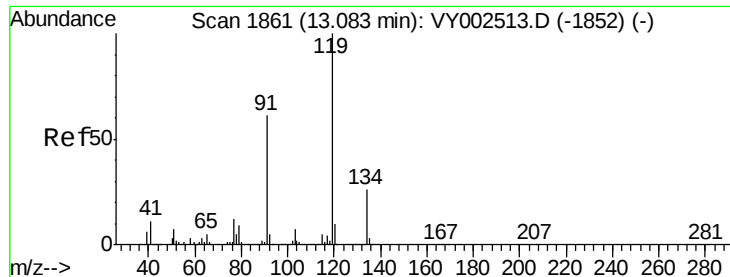
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.760 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.5	55.5





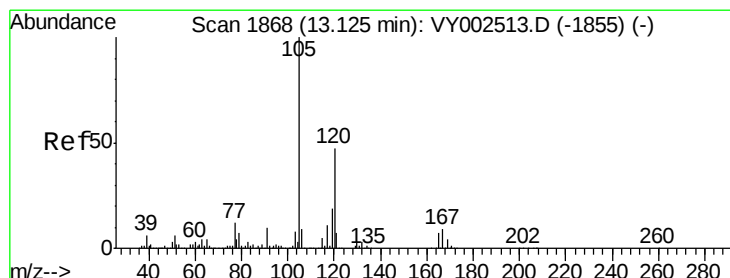
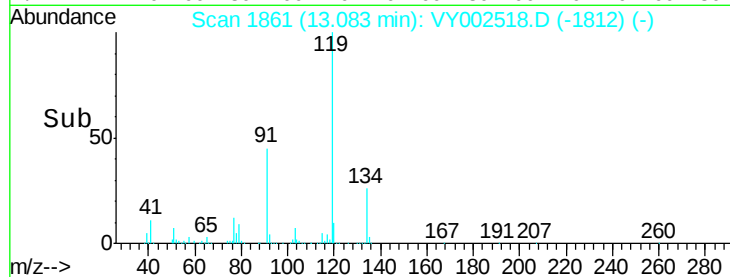
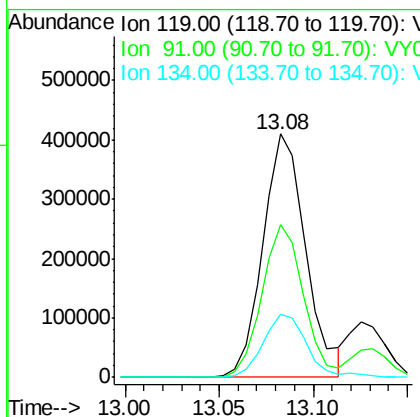
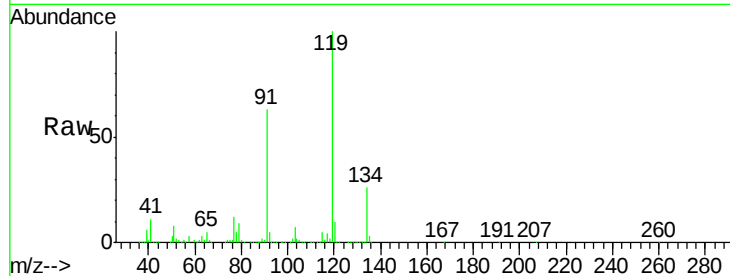
#83
tert-Butylbenzene
Concen: 51.676 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	645895		
91	60.6	30.6	91.6	
134	26.6	13.5	40.4	

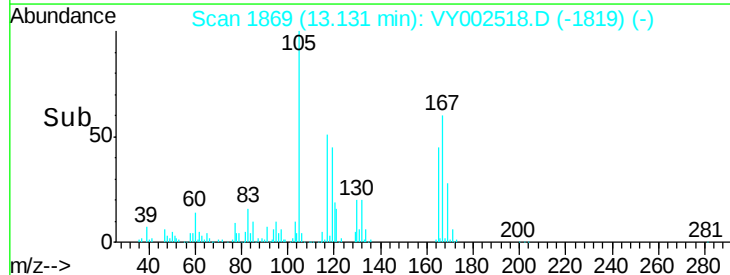
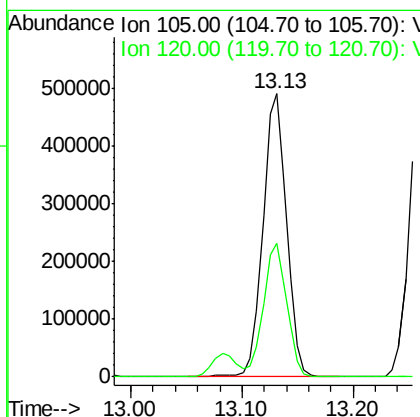
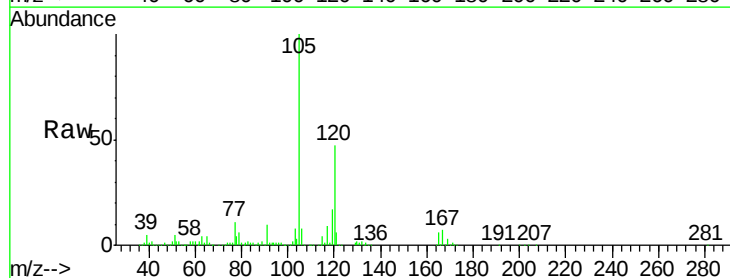
Manual Integrations
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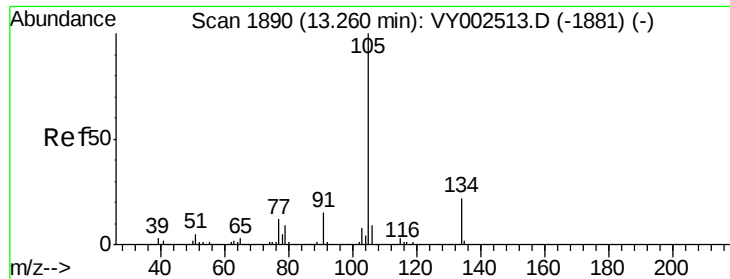
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#84
1,2,4-Trimethylbenzene
Concen: 51.268 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	728345		
120	46.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 50.597 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 877543

Ion Ratio Lower Upper

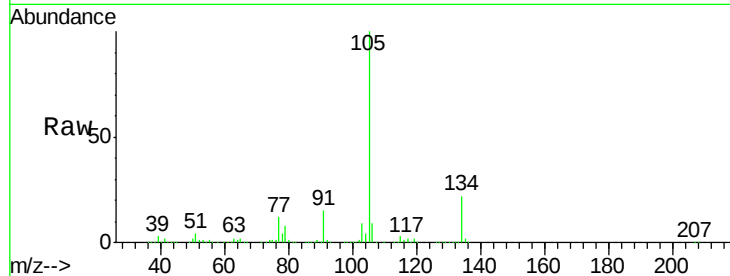
105 100

134 21.5 10.8 32.3

Manual Integrations
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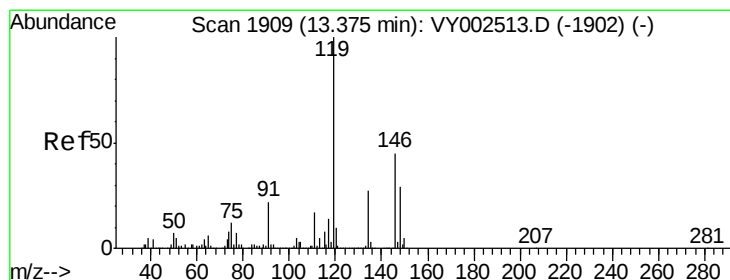
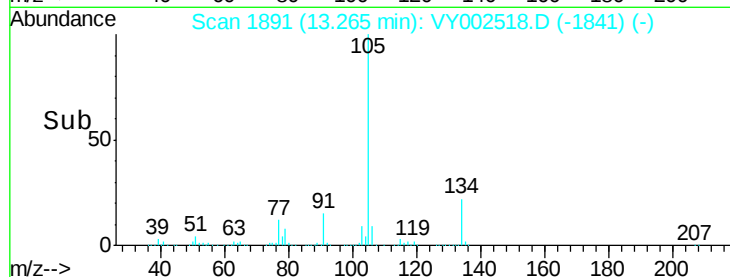
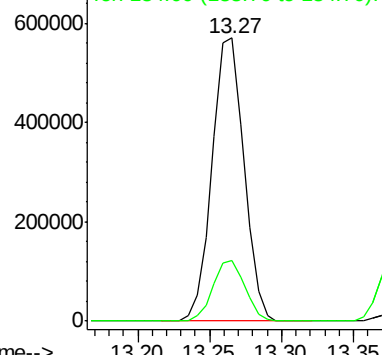
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.211 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002518.D

Acq: 01 May 2020 10:00

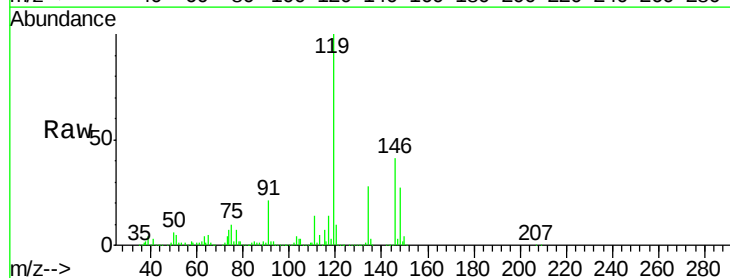
Tgt Ion:119 Resp: 832232

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

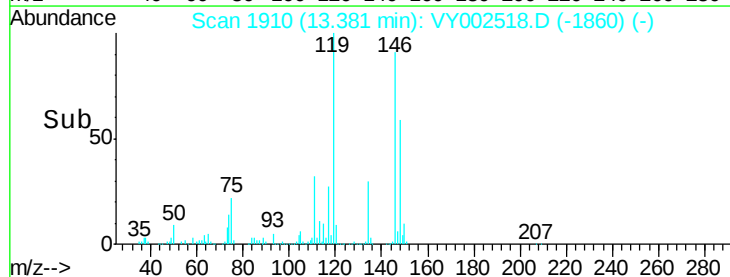
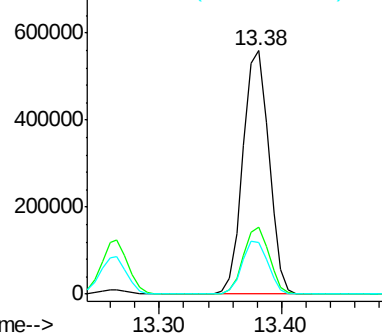
91 21.7 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





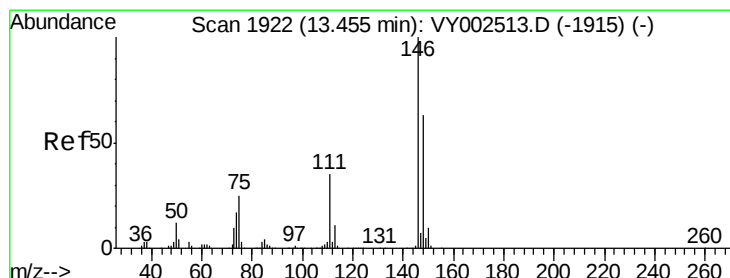
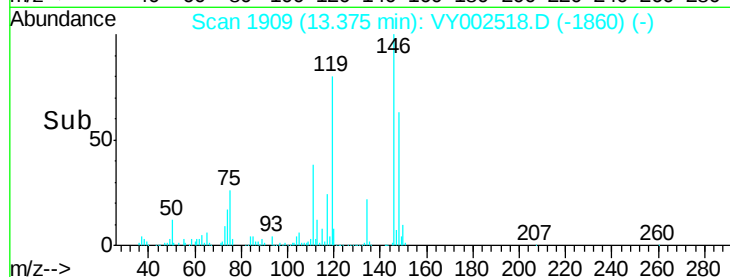
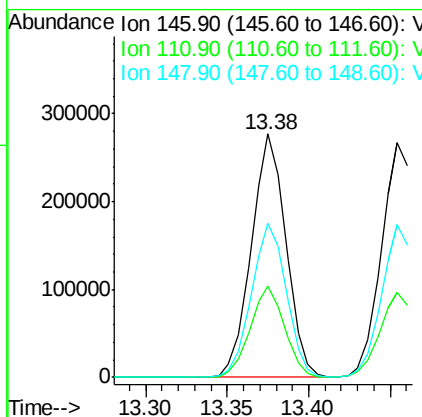
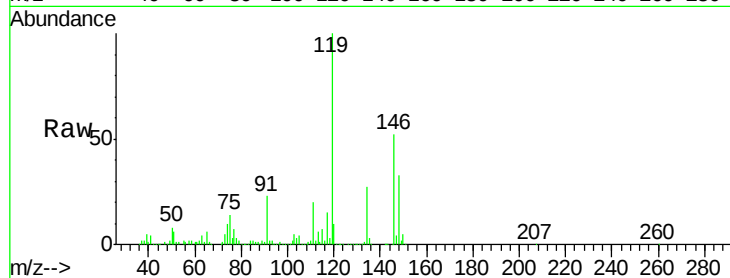
#87
 1,3-Dichlorobenzene
 Concen: 50.405 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	409880		
111	37.2	18.8	56.3	
148	63.7	32.1	96.3	

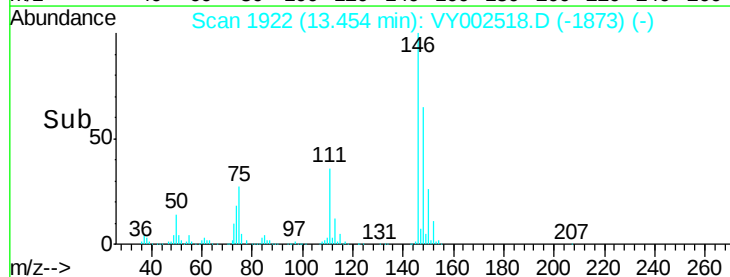
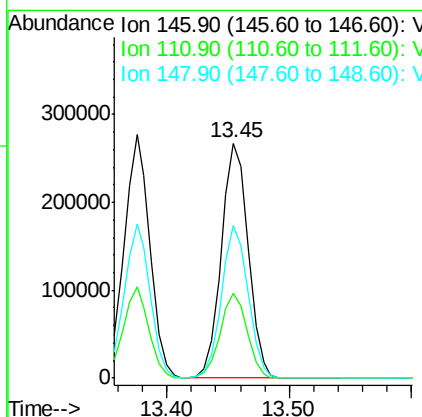
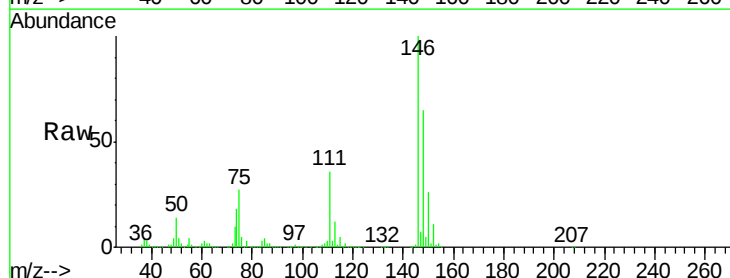
Manual Integrations
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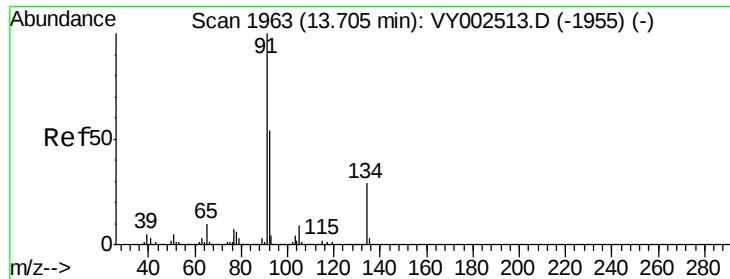
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#88
 1,4-Dichlorobenzene
 Concen: 50.378 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	405647		
111	36.6	18.1	54.1	
148	64.4	31.9	95.5	





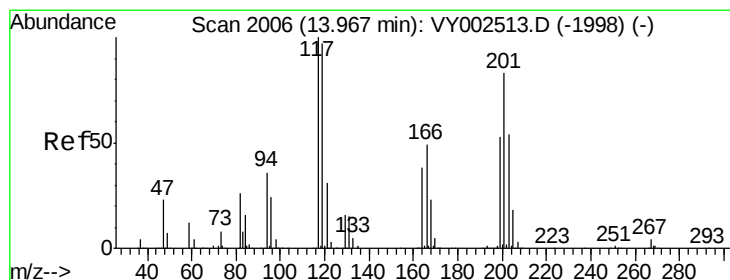
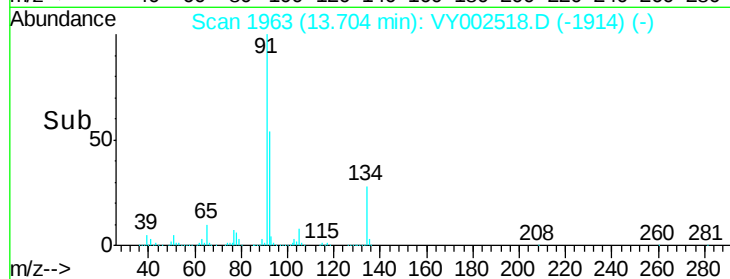
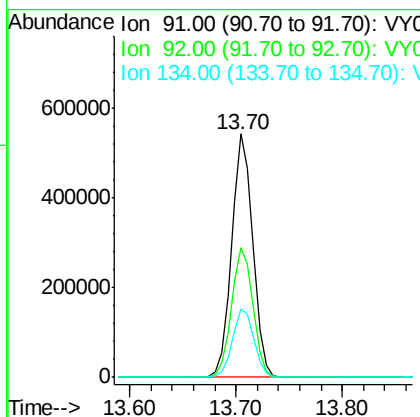
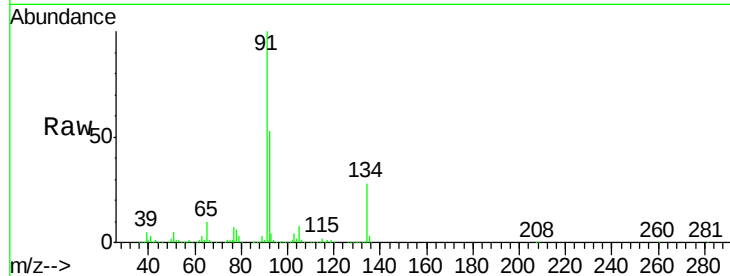
#89
n-Butylbenzene
Concen: 51.039 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	28.7	14.4	43.0

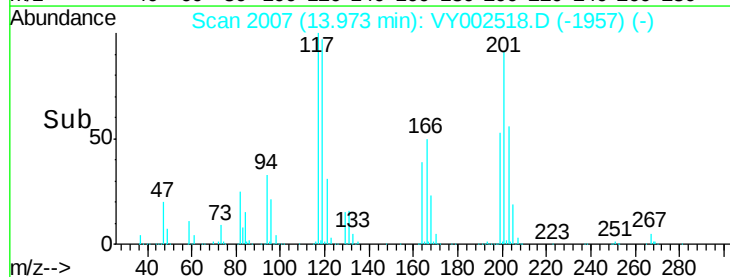
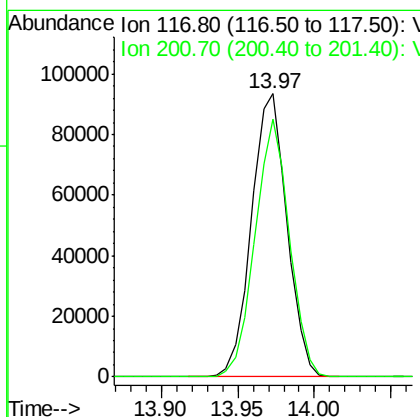
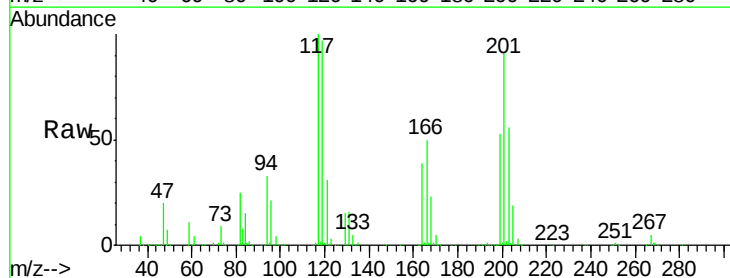
Manual Integrations
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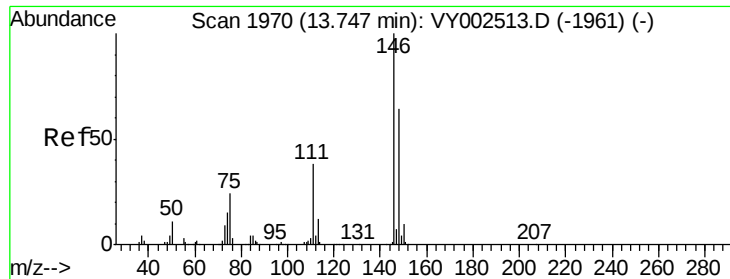
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#90
Hexachloroethane
Concen: 50.918 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.4	133.2





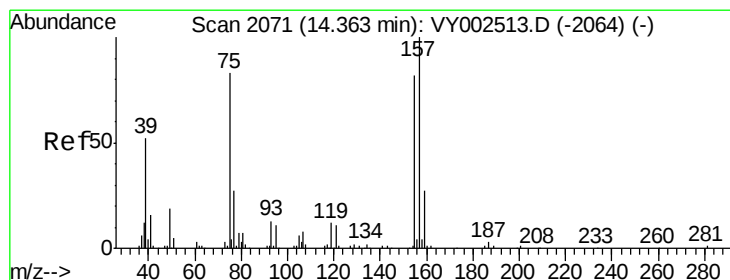
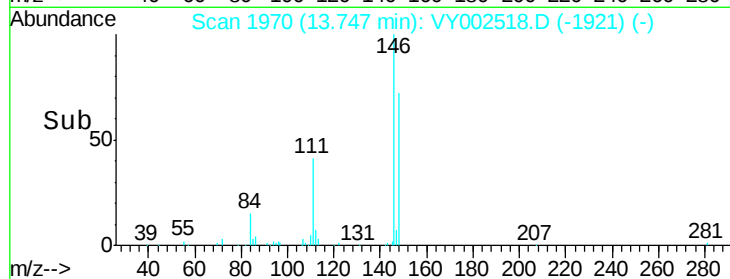
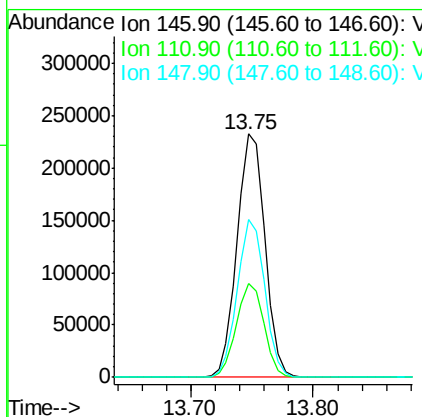
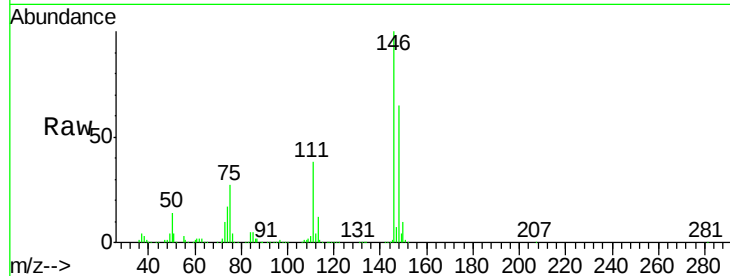
#91
 1,2-Dichlorobenzene
 Concen: 50.482 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.1	31.9	95.7

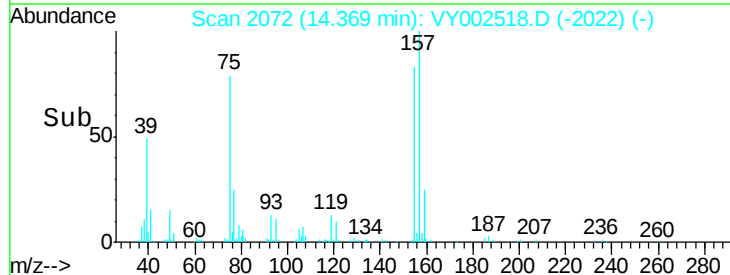
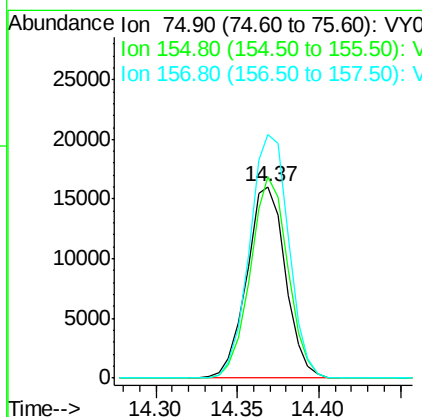
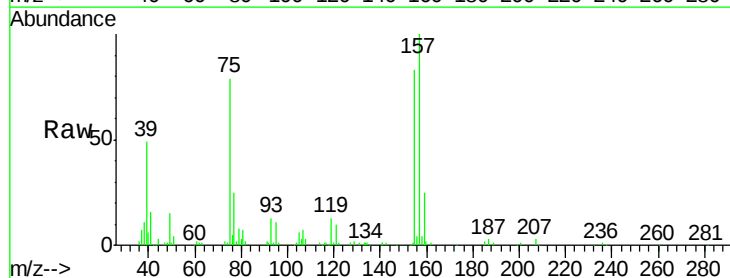
Manual Integrations
 APPROVED

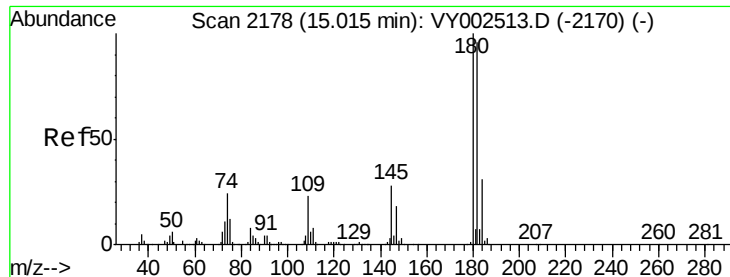
MMDadoda
 5/4/2020 2:19:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.020 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	51.3	153.9
157	128.5	65.0	195.0





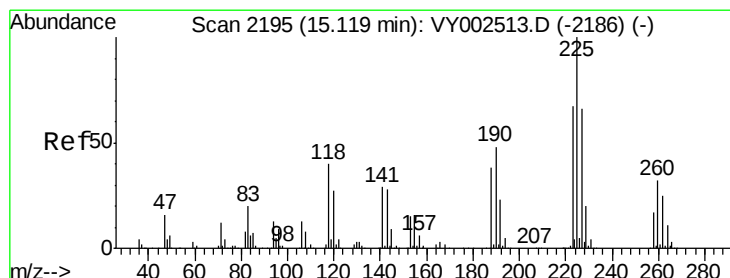
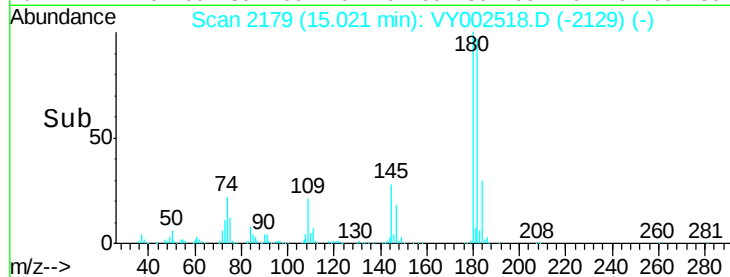
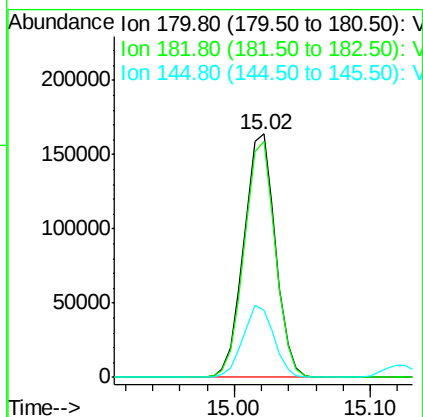
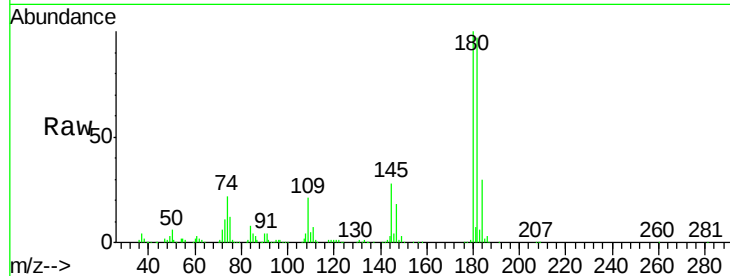
#93
 1,2,4-Trichlorobenzene
 Concen: 50.489 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265974		
182	95.4	47.9	143.6	
145	29.0	14.4	43.0	

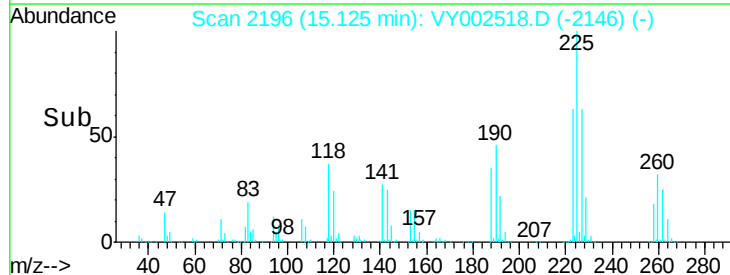
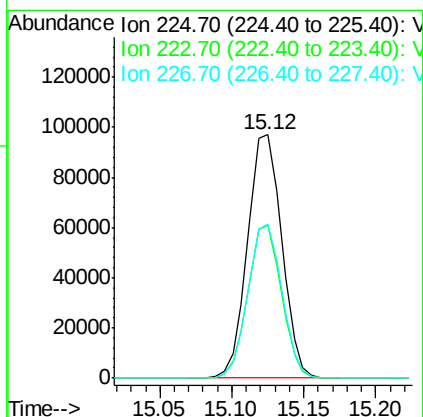
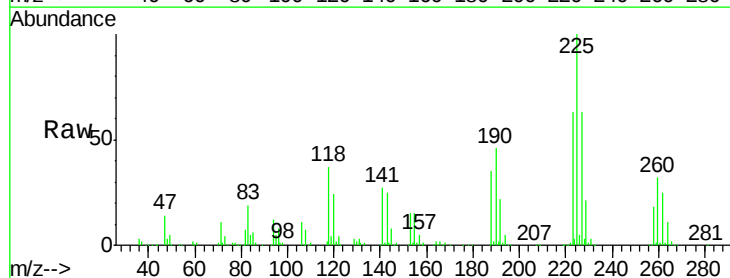
Manual Integrations
 APPROVED

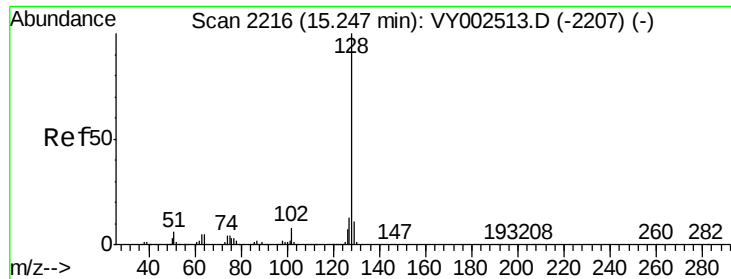
MMDadoda
 5/4/2020 2:19:08 PM



#94
 Hexachlorobutadiene
 Concen: 50.245 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002518.D
 Acq: 01 May 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158881		
223	61.9	32.1	96.5	
227	63.1	32.0	96.2	





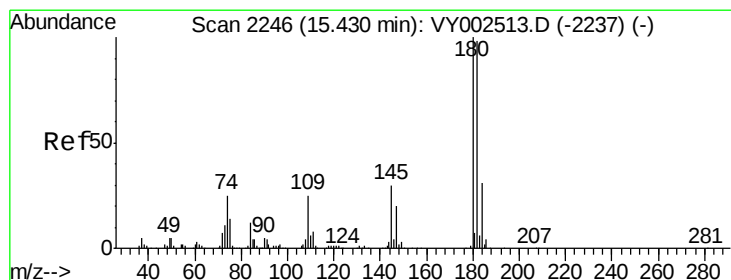
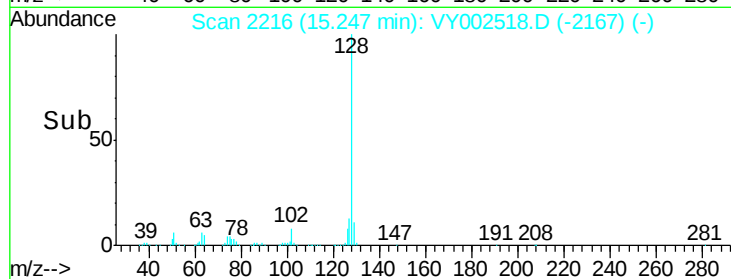
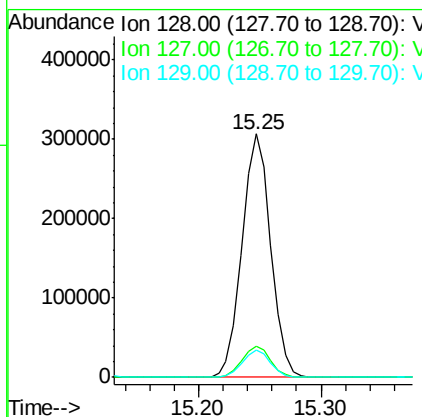
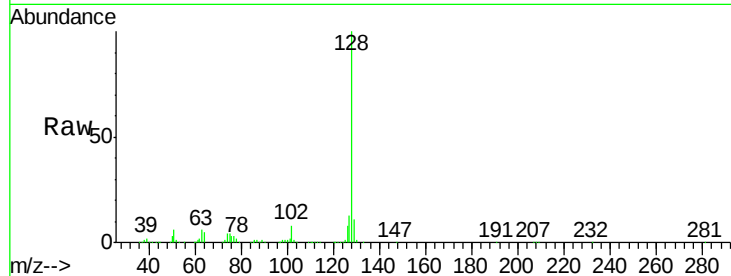
#95
Naphthalene
Concen: 51.626 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	496130
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:19:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.914 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002518.D
Acq: 01 May 2020 10:00

Tgt Ion:	180	Resp:	227690
Ion Ratio		Lower	Upper
180	100		
182	94.5	47.9	143.8
145	30.1	15.0	45.1

