

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002689.D
 Acq On : 13 May 2020 16:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:17:14 PM

Quant Time: May 14 08:17:56 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	7.80	168	332533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	474910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	404084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	197347	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	94335	33.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	67.48%	
35) Dibromofluoromethane	7.73	113	120891	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
50) Toluene-d8	10.18	98	513491	48.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.48	95	157563	43.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	126216	46.080	ug/l	99
3) Chloromethane	2.11	50	129127	47.929	ug/l	99
4) Vinyl Chloride	2.26	62	156269	50.233	ug/l	99
5) Bromomethane	2.66	94	96595	45.026	ug/l	99
6) Chloroethane	2.80	64	90607	48.779	ug/l	99
7) Trichlorofluoromethane	3.13	101	237021	49.160	ug/l	100
8) Diethyl Ether	3.54	74	58214	35.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	146750	49.801	ug/l	99
10) Methyl Iodide	4.10	142	178673	44.506	ug/l	98
11) Tert butyl alcohol	4.97	59	29628	102.997	ug/l	100
12) 1,1-Dichloroethene	3.88	96	142247	49.691	ug/l	97
13) Acrolein	3.74	56	15988	80.375	ug/l	94
14) Allyl chloride	4.49	41	193936	46.498	ug/l	98
15) Acrylonitrile	5.18	53	100688	131.778	ug/l	99
16) Acetone	3.96	43	67271	116.581	ug/l	93
17) Carbon Disulfide	4.21	76	419600	48.723	ug/l	99
18) Methyl Acetate	4.49	43	48137	24.967	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	254111	34.024	ug/l	98
20) Methylene Chloride	4.72	84	128904	39.948	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	154683	49.439	ug/l	96
22) Diisopropyl ether	6.13	45	364672	43.212	ug/l	94
23) Vinyl Acetate	6.07	43	858616	161.777	ug/l	100
24) 1,1-Dichloroethane	6.03	63	236603	47.391	ug/l	99
25) 2-Butanone	7.00	43	115808	122.604	ug/l	99
26) 2,2-Dichloropropane	6.99	77	219040	46.156	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	160421	46.338	ug/l	98
28) Bromochloromethane	7.35	49	84539	41.328	ug/l	98
29) Tetrahydrofuran	7.36	42	79497	127.207	ug/l	99
30) Chloroform	7.52	83	235672	45.398	ug/l	96
31) Cyclohexane	7.79	56	239245	47.606	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	234514	48.603	ug/l	100
36) 1,1-Dichloropropene	7.92	75	205460	51.607	ug/l	100
37) Ethyl Acetate	7.08	43	56832	27.779	ug/l	100
38) Carbon Tetrachloride	7.91	117	221856	51.042	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	274907	52.279	ug/l	99
40) Benzene	8.17	78	565081	49.144	ug/l	99
41) Methacrylonitrile	7.34	41	37440m	34.037	ug/l	
42) 1,2-Dichloroethane	8.24	62	115717	35.877	ug/l	99
43) Isopropyl Acetate	8.28	43	112455	29.320	ug/l	96
44) Trichloroethene	8.94	130	181369	50.472	ug/l	99
45) 1,2-Dichloropropane	9.22	63	124971	45.032	ug/l	99
46) Dibromomethane	9.31	93	55852	34.980	ug/l	99
47) Bromodichloromethane	9.50	83	165563	42.644	ug/l	99
48) Methyl methacrylate	9.30	41	53145	30.617	ug/l	98
49) 1,4-Dioxane	9.30	88	11848	560.432	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	277337	140.288	ug/l	99
52) Toluene	10.25	92	367844	49.777	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	152645	37.525	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	196055	41.691	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	83398	35.817	ug/l	98
56) Ethyl methacrylate	10.51	69	104523	33.744	ug/l	96
57) 1,3-Dichloropropane	10.79	76	142866	36.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	273497	167.430	ug/l	100
59) 2-Hexanone	10.83	43	184029	135.252	ug/l	99
60) Dibromochloromethane	10.99	129	112089	37.849	ug/l	100
61) 1,2-Dibromoethane	11.09	107	76888	33.349	ug/l	100
64) Tetrachloroethene	10.72	164	201224	56.047	ug/l	99
65) Chlorobenzene	11.52	112	385011	50.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	136110	47.734	ug/l	100
67) Ethyl Benzene	11.59	91	722685	53.559	ug/l	100
68) m/p-Xylenes	11.70	106	556586	106.608	ug/l	100
69) o-Xylene	12.03	106	254690	52.101	ug/l	98
70) Styrene	12.05	104	415697	49.743	ug/l	99
71) Bromoform	12.21	173	62736	35.448	ug/l #	99
73) Isopropylbenzene	12.33	105	734082	57.395	ug/l	100
74) N-amyl acetate	12.14	43	109052	35.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66640	32.762	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	57554m	32.818	ug/l	
77) Bromobenzene	12.61	156	153787	48.127	ug/l	95
78) n-propylbenzene	12.67	91	846890	57.058	ug/l	100
79) 2-Chlorotoluene	12.75	91	445248	54.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	596499	56.263	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28068	32.092	ug/l	99
82) 4-Chlorotoluene	12.85	91	451801	52.315	ug/l	100
83) tert-Butylbenzene	13.08	119	532247	57.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	570487	53.993	ug/l	99
85) sec-Butylbenzene	13.25	105	746616	57.880	ug/l	100
86) p-Isopropyltoluene	13.37	119	684451	56.629	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	306011	50.598	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	295543	49.351	ug/l	99
89) n-Butylbenzene	13.70	91	624891	56.793	ug/l	99
90) Hexachloroethane	13.96	117	126318	57.389	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	253039	46.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10408	27.450	ug/l	94

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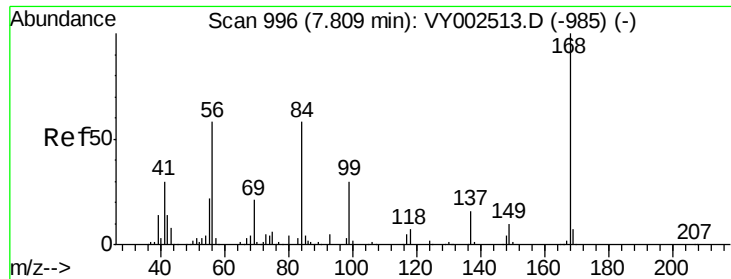
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	173893	44.383	ug/l	99
94) Hexachlorobutadiene	15.11	225	130571	55.520	ug/l	99
95) Naphthalene	15.23	128	232817	32.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	131159	39.434	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 332533

Ion Ratio Lower Upper

168 100

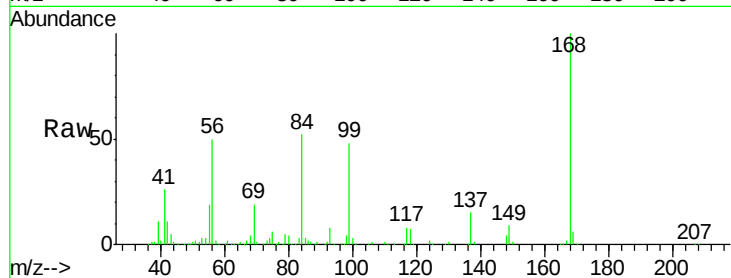
99 47.6 39.2 58.8

Manual Integrations

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5/14/2020 12:17:14 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

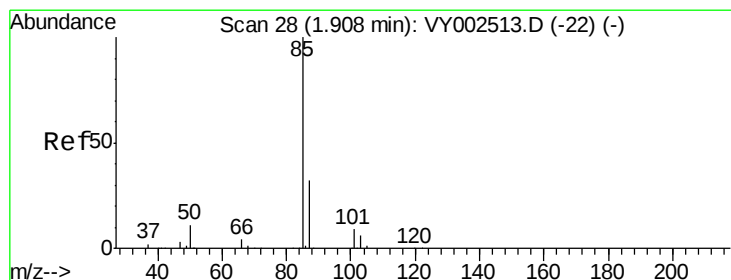
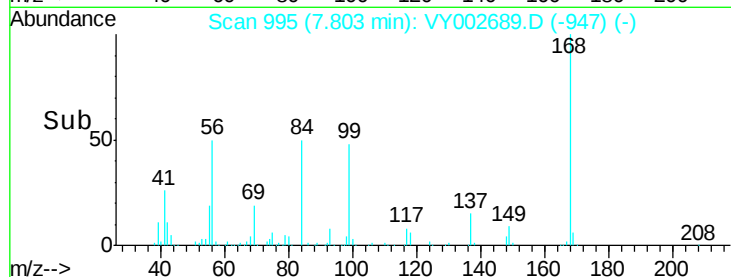
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.080 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002689.D

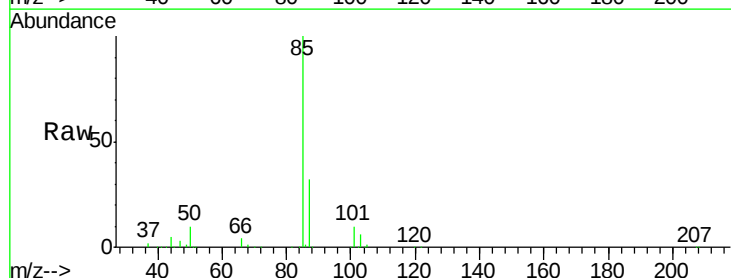
Acq: 13 May 2020 16:53

Tgt Ion: 85 Resp: 126216

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

100000

80000

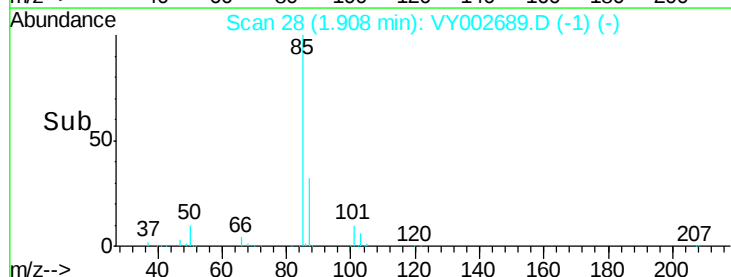
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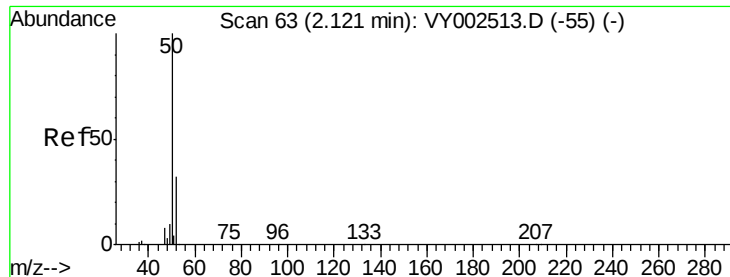
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.929 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129127

Ion Ratio Lower Upper

50 100

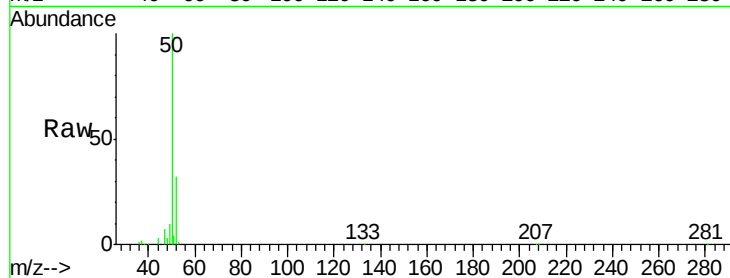
52 32.1 25.9 38.9

Manual Integrations

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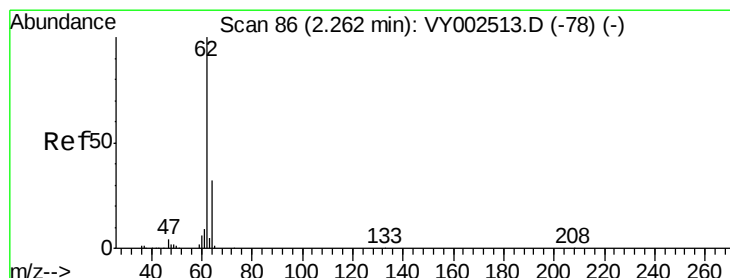
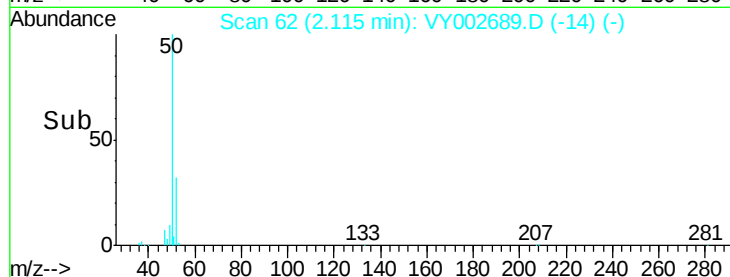
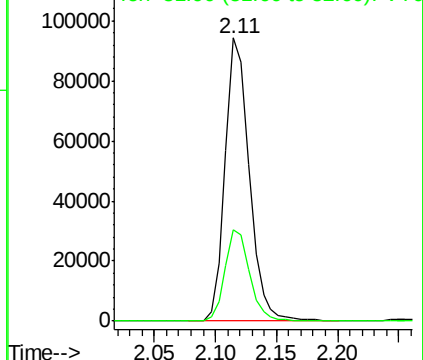
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.233 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002689.D

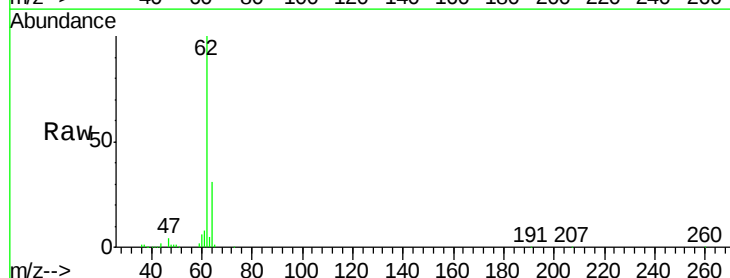
Acq: 13 May 2020 16:53

Tgt Ion: 62 Resp: 156269

Ion Ratio Lower Upper

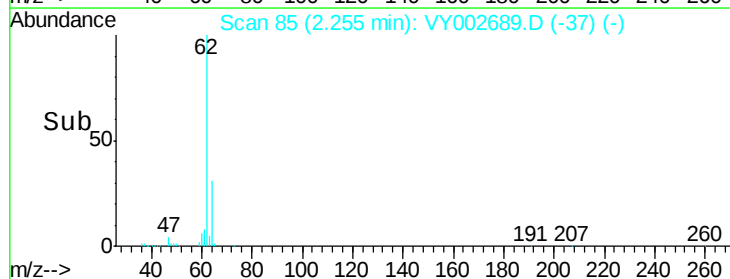
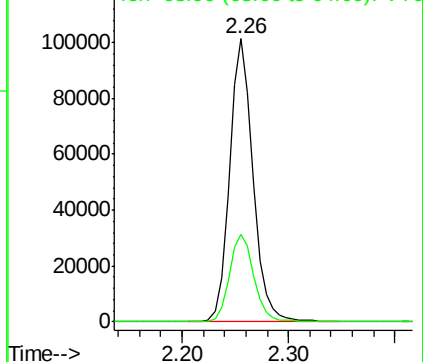
62 100

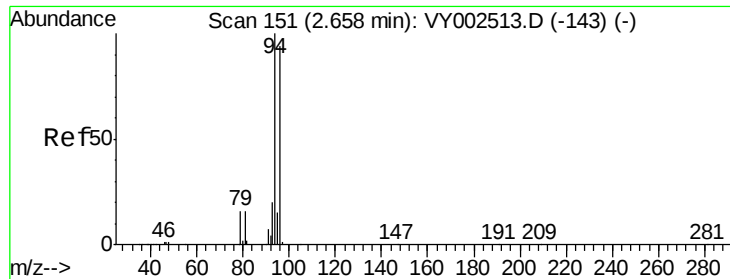
64 30.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 45.026 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.00 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 96595

Ion Ratio Lower Upper

94 100

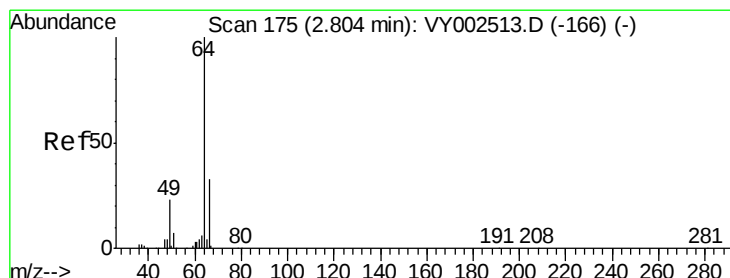
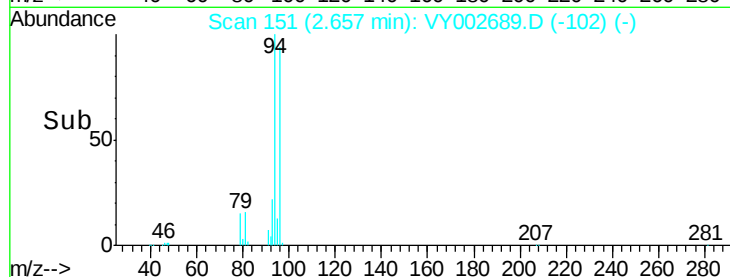
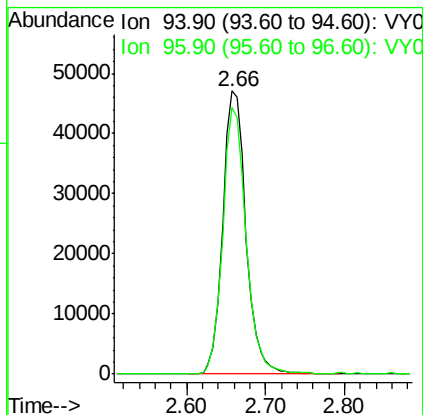
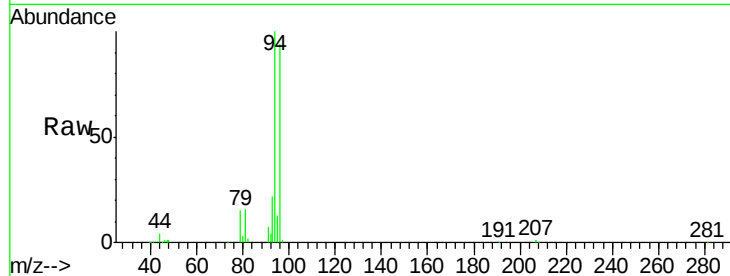
96 94.4 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 48.779 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002689.D

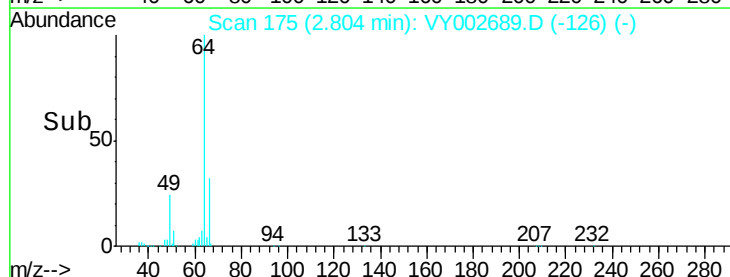
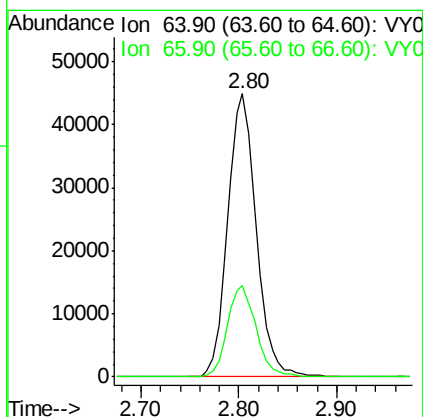
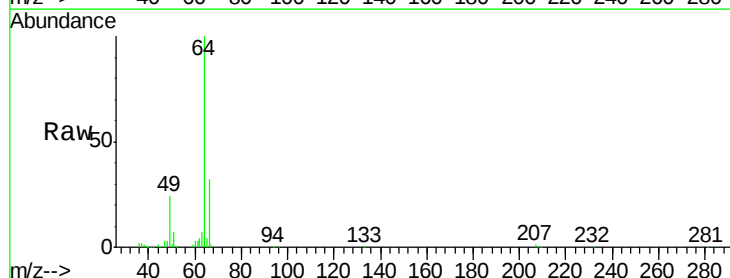
Acq: 13 May 2020 16:53

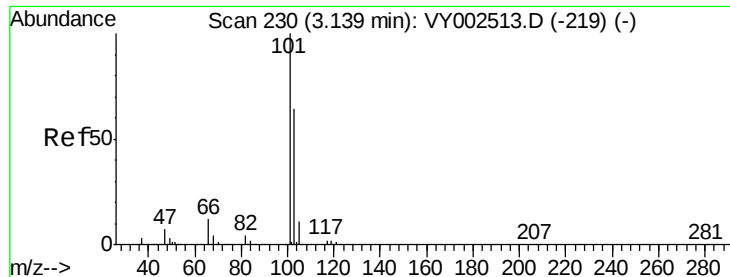
Tgt Ion: 64 Resp: 90607

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5





#7

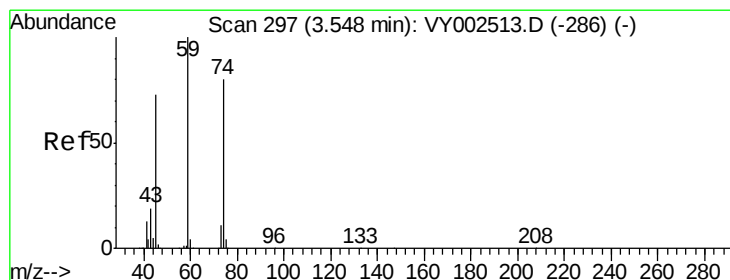
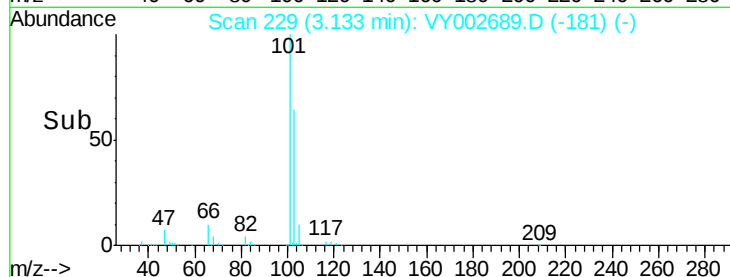
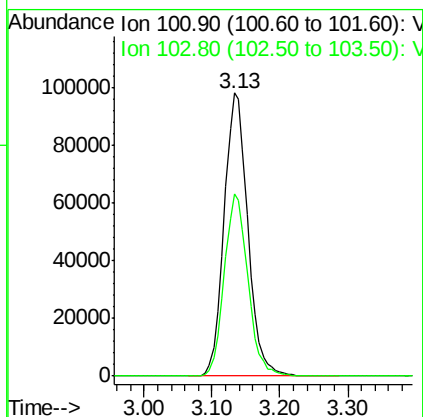
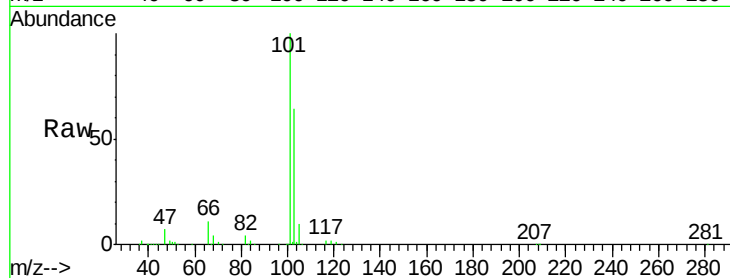
Trichlorofluoromethane
Concen: 49.160 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	237021		
103	64.3	51.4	77.0	

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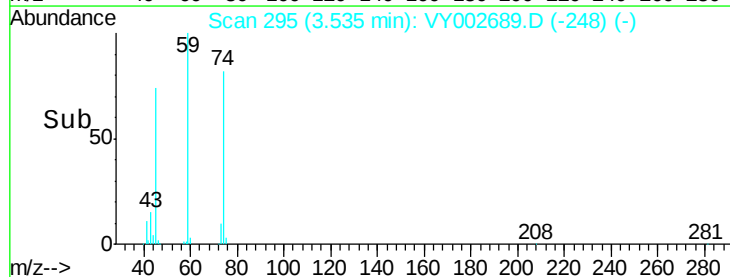
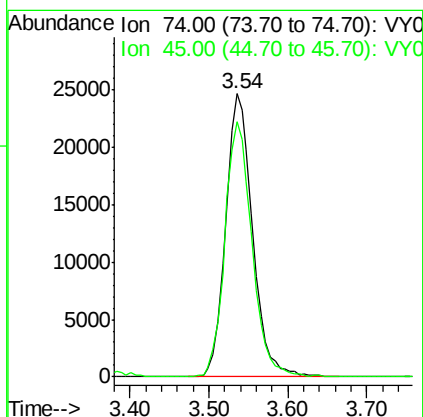
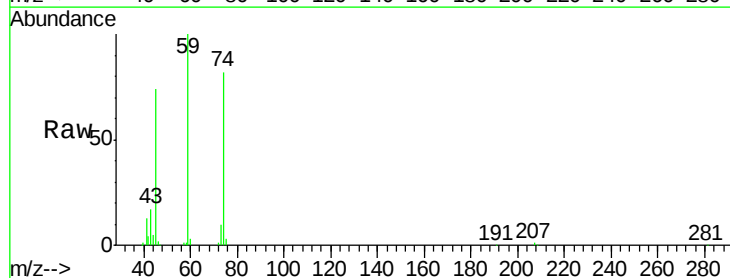
MMDadoda
5/14/2020 12:17:14 PM

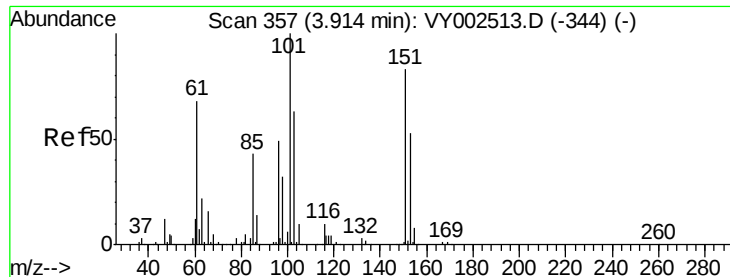


#8

Diethyl Ether
Concen: 35.929 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58214		
45	91.2	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.801 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

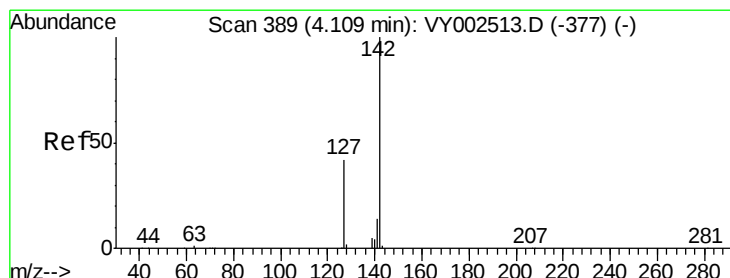
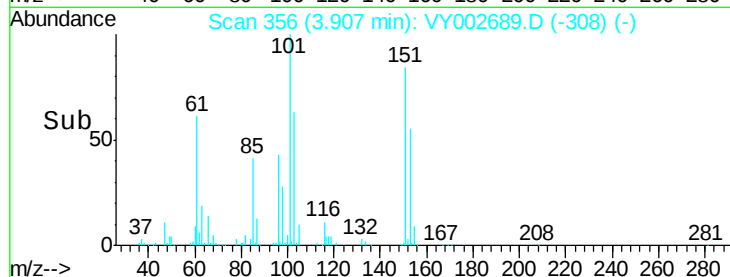
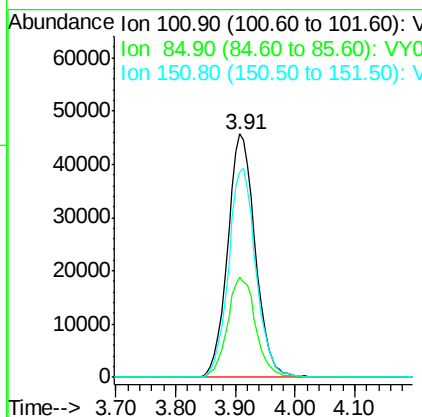
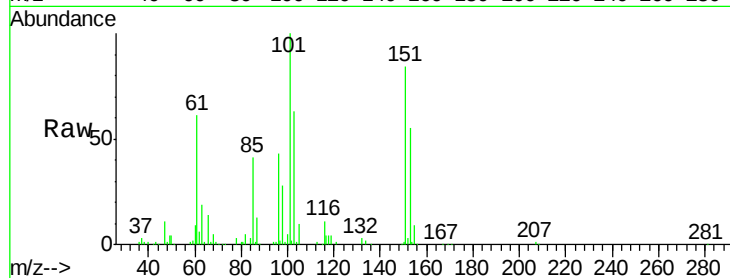
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	146750
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	85.5	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 44.506 ug/l

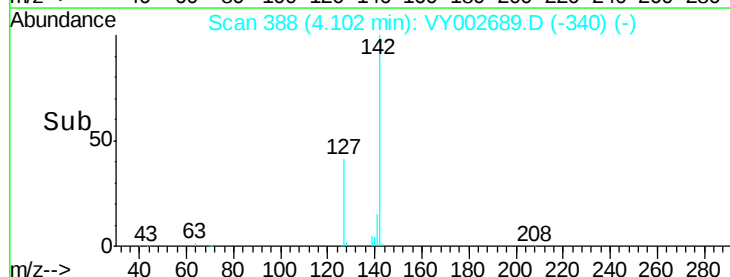
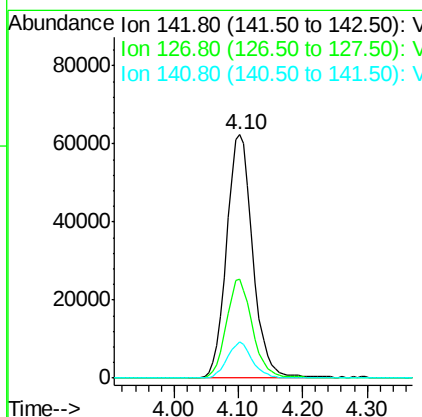
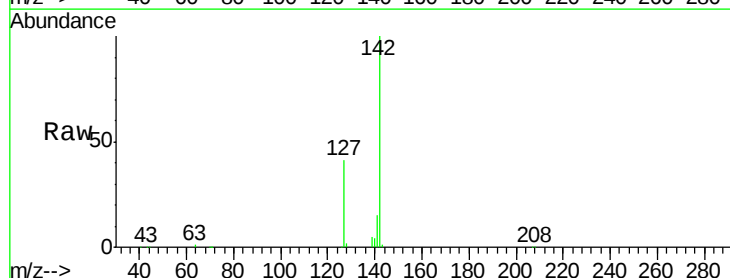
RT: 4.10 min Scan# 388

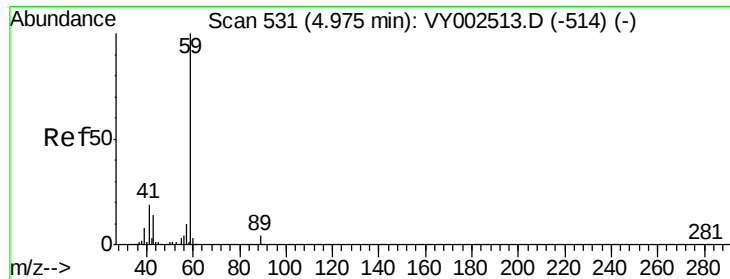
Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion:	142	Resp:	178673
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.7	50.5
141	14.3	11.4	17.0





#11

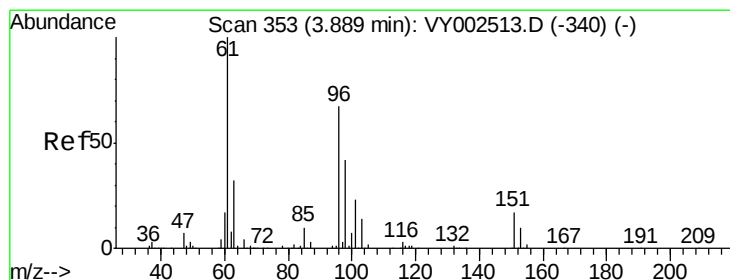
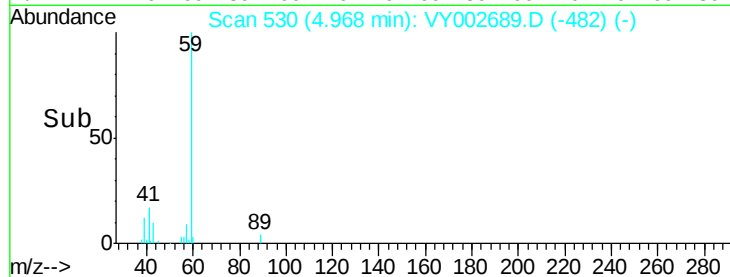
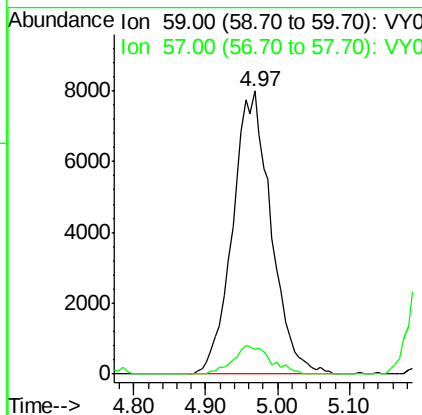
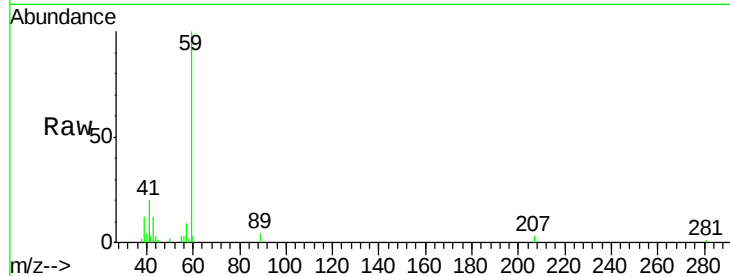
Tert butyl alcohol
 Concen: 102.997 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

Manual Integrations
 APPROVED

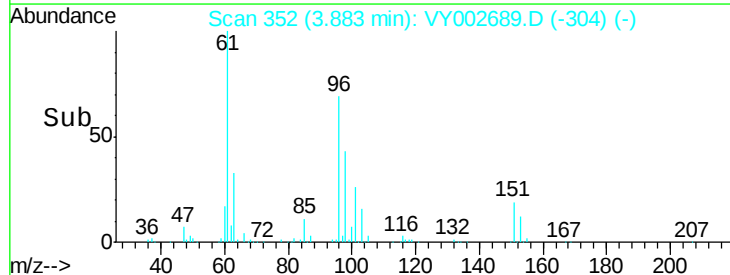
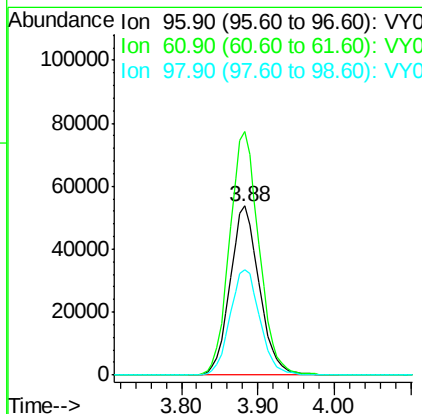
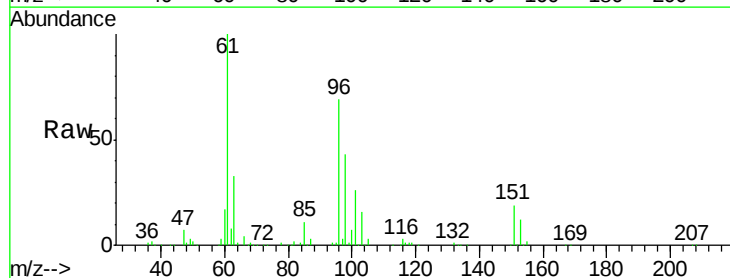
MMDadoda
 5/14/2020 12:17:14 PM

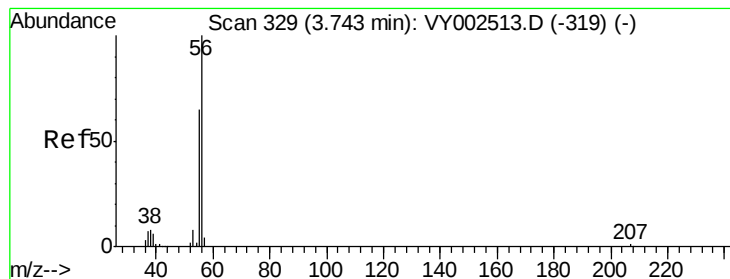


#12

1,1-Dichloroethene
 Concen: 49.691 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	118.8	178.2
98	62.6	49.6	74.4





#13

Acrolein

Concen: 80.375 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.00 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 15988

Ion Ratio Lower Upper

56 100

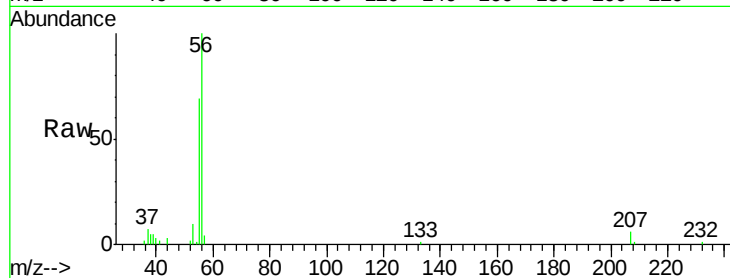
55 71.8 53.8 80.6

Manual Integrations

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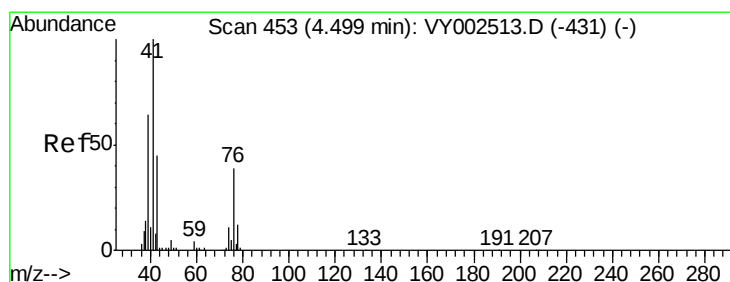
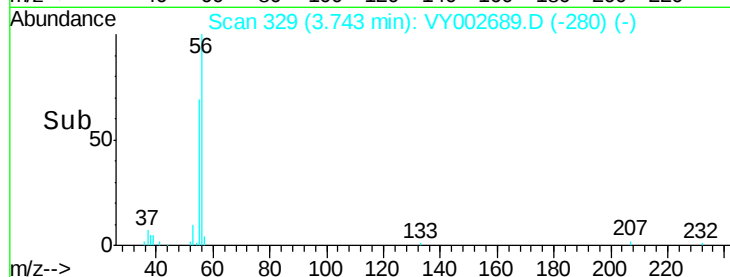
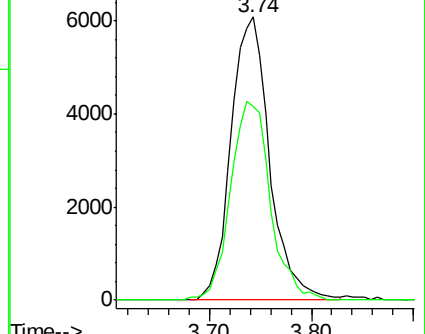
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 46.498 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

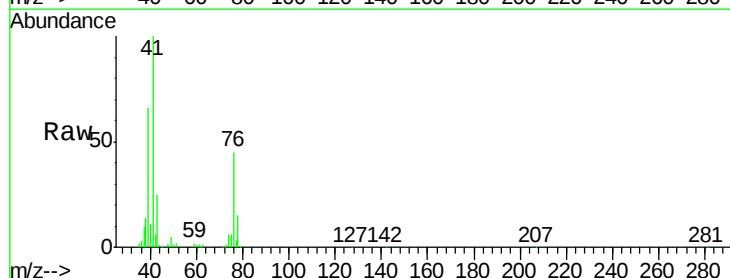
Tgt Ion: 41 Resp: 193936

Ion Ratio Lower Upper

41 100

39 64.1 51.8 77.6

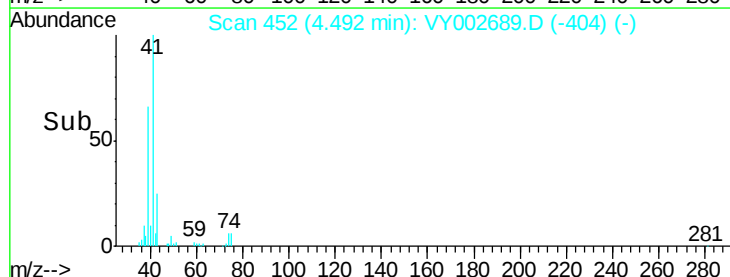
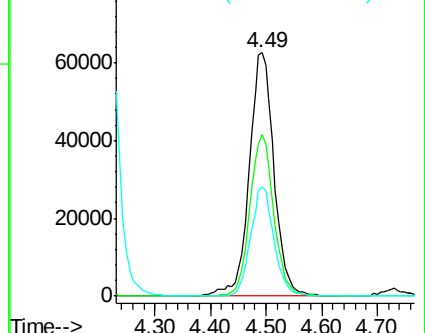
76 42.1 31.7 47.5

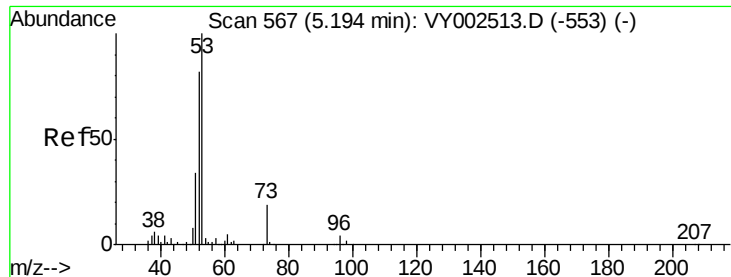


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 131.778 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

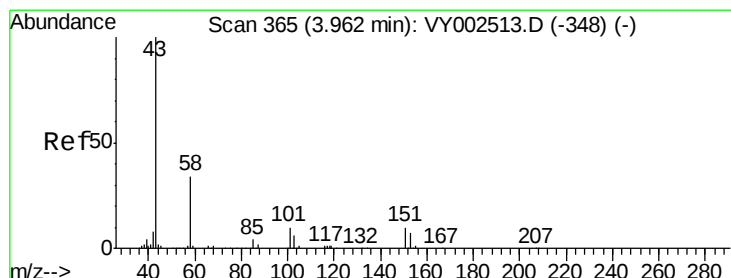
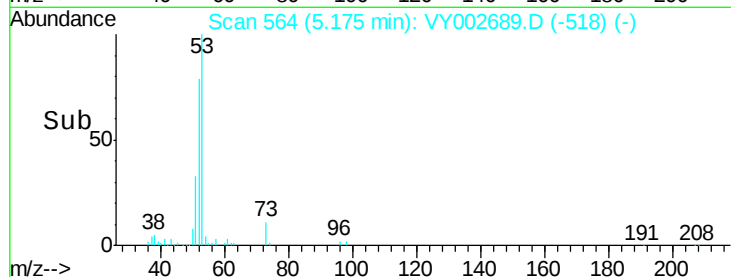
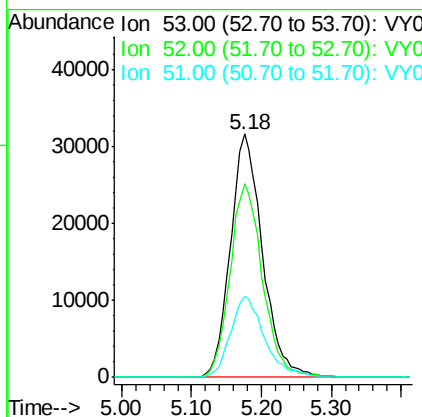
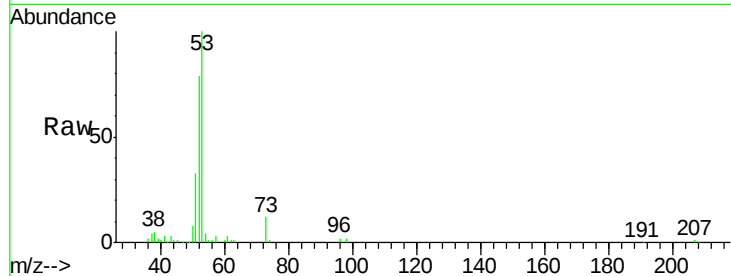
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	100688
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.4	98.0
51	35.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 116.581 ug/l

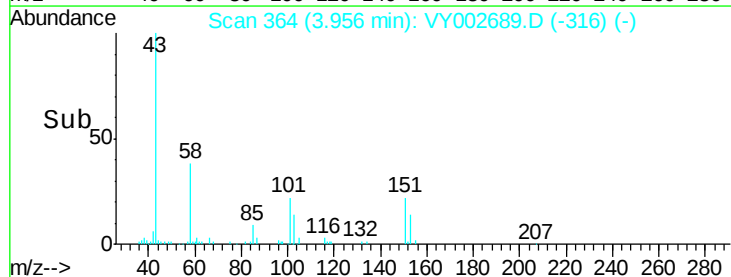
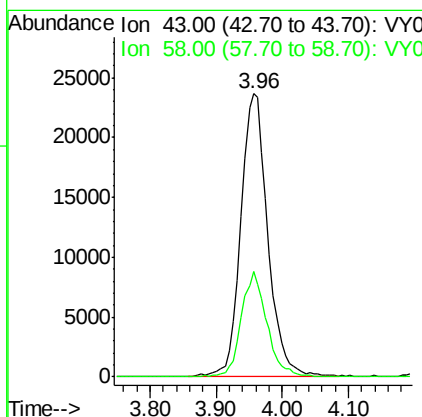
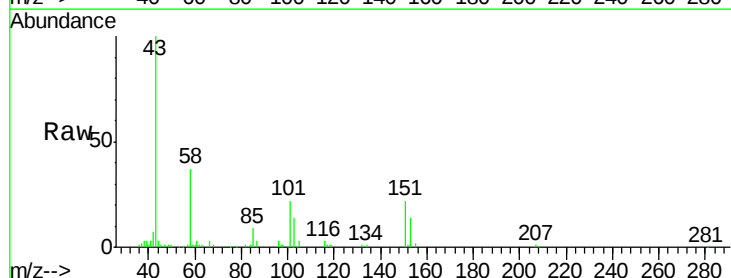
RT: 3.96 min Scan# 364

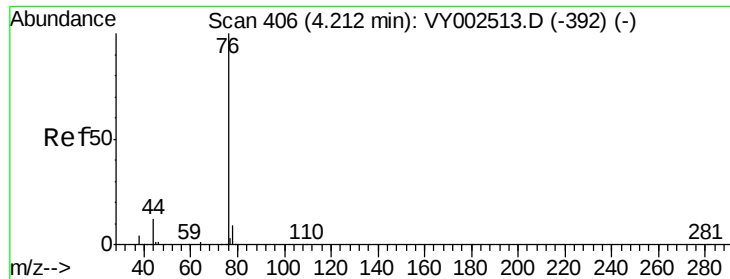
Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion	43	Resp	67271
Ion	Ratio	Lower	Upper
43	100		
58	37.4	26.9	40.3





#17

Carbon Disulfide

Concen: 48.723 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 419600

Ion Ratio Lower Upper

76 100

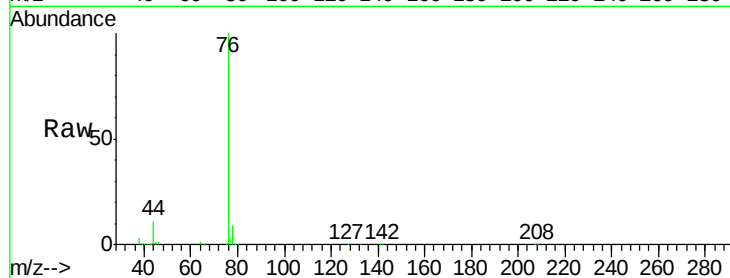
78 8.9 7.4 11.2

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

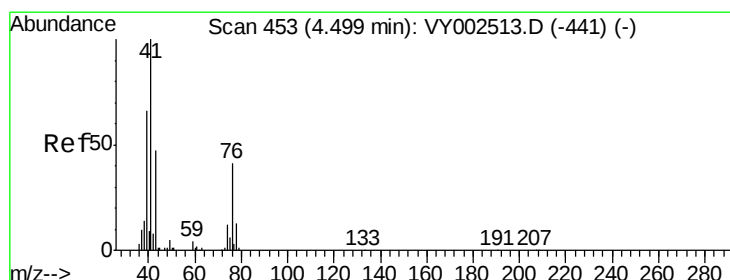
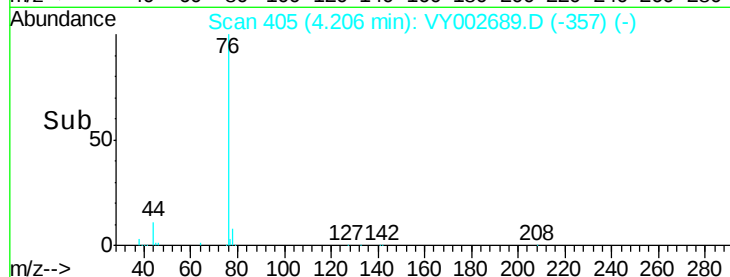
150000

100000

50000

0

Time--> 4.00 4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 24.967 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002689.D

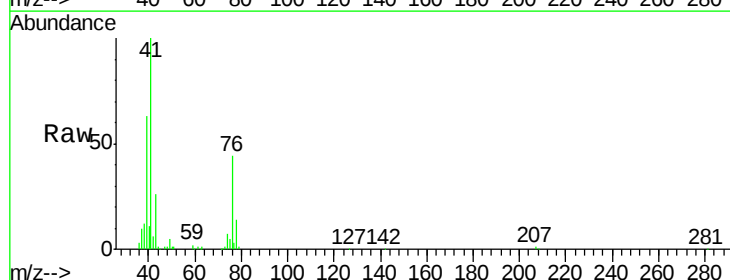
Acq: 13 May 2020 16:53

Tgt Ion: 43 Resp: 48137

Ion Ratio Lower Upper

43 100

74 25.8 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

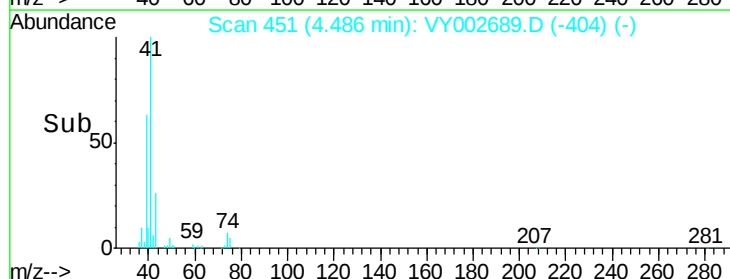
15000

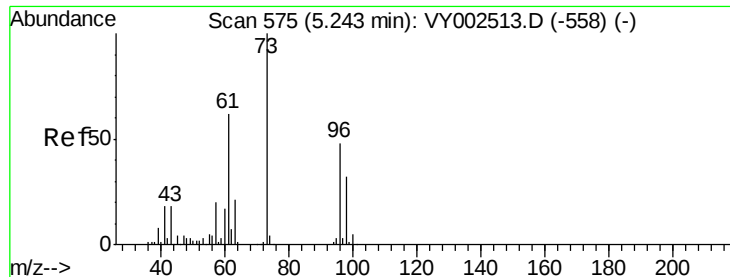
10000

5000

0

Time--> 4.40 4.50 4.60





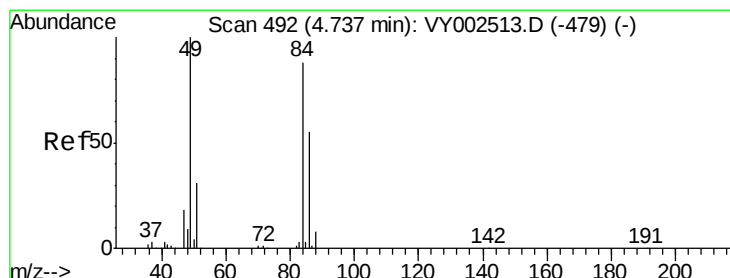
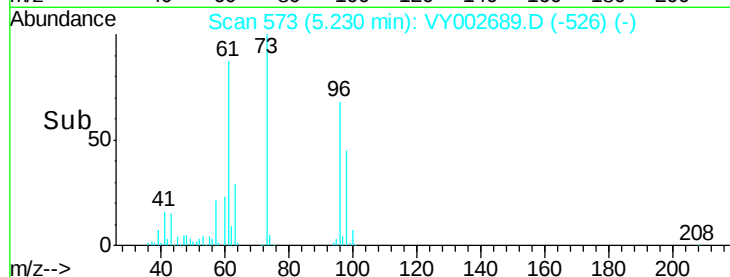
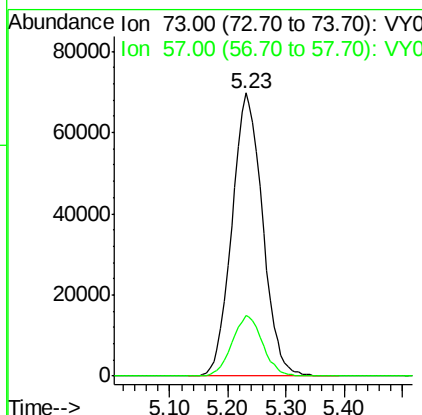
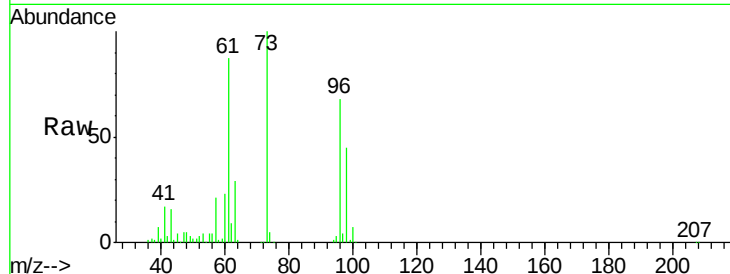
#19
Methvl tert-butvl Ether
Concen: 34.024 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.3	24.5

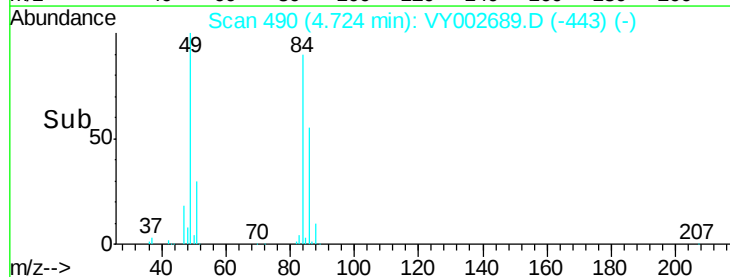
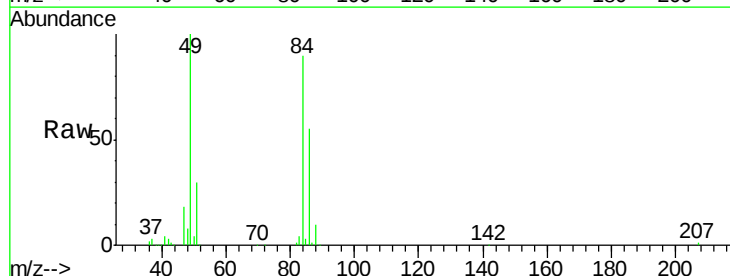
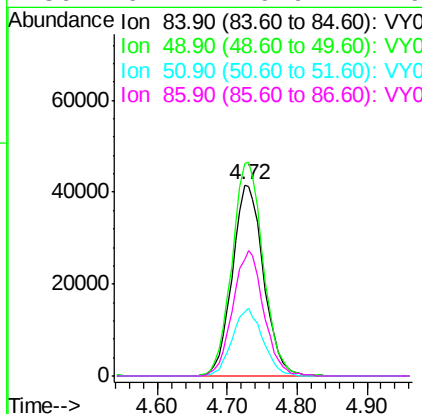
Manual Integrations
APPROVED

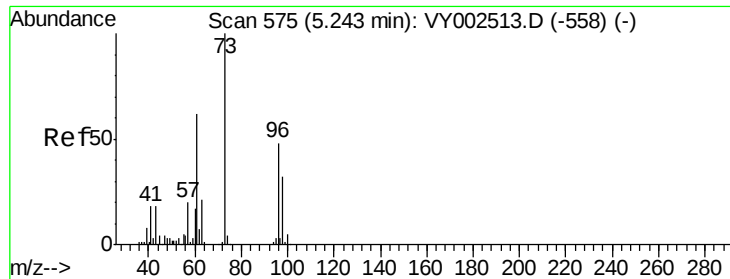
MMDadoda
5/14/2020 12:17:14 PM



#20
Methylene Chloride
Concen: 39.948 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.1	90.5	135.7
51	33.5	28.3	42.5
86	61.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.439 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

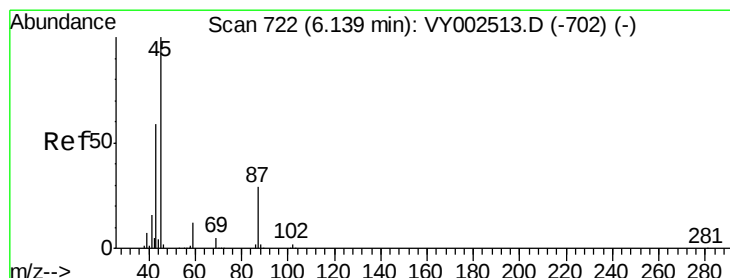
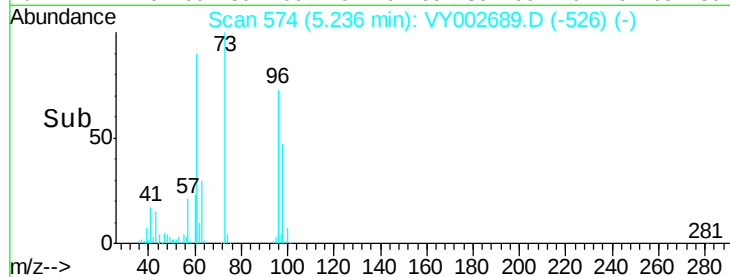
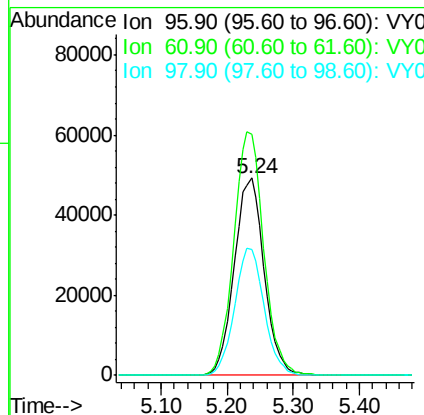
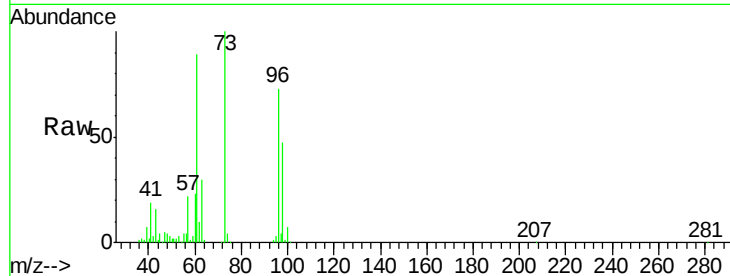
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	154683
Ion	Ratio	Lower	Upper
96	100		
61	122.2	102.0	153.0
98	63.7	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.212 ug/l

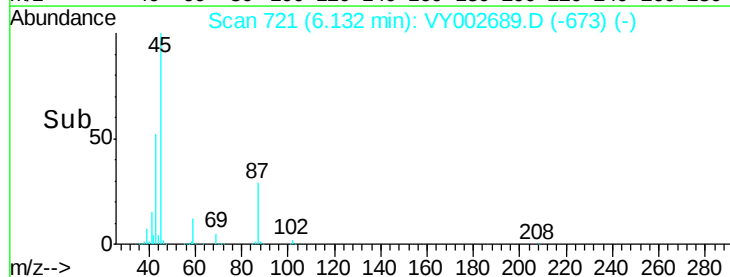
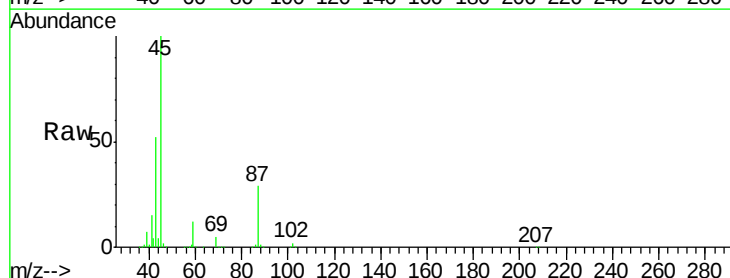
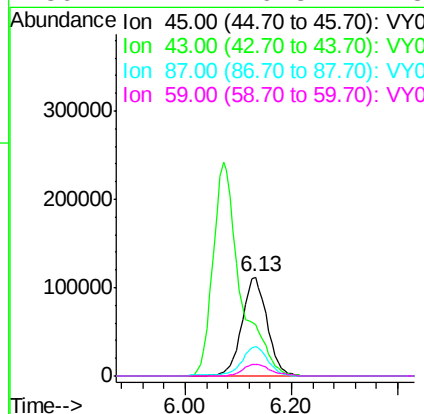
RT: 6.13 min Scan# 721

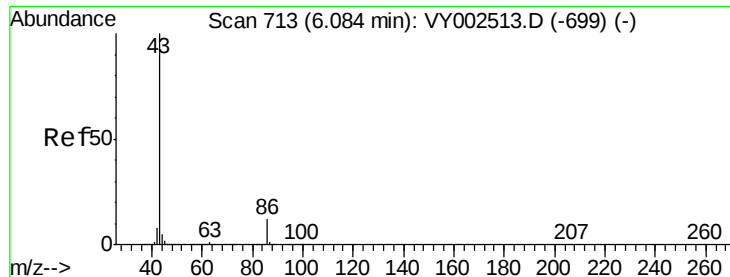
Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion:	45	Resp:	364672
Ion	Ratio	Lower	Upper
45	100		
43	51.6	47.4	71.0
87	29.4	24.0	36.0
59	12.2	9.8	14.8





#23

Vinyl Acetate

Concen: 161.777 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 858616

Ion Ratio Lower Upper

43 100

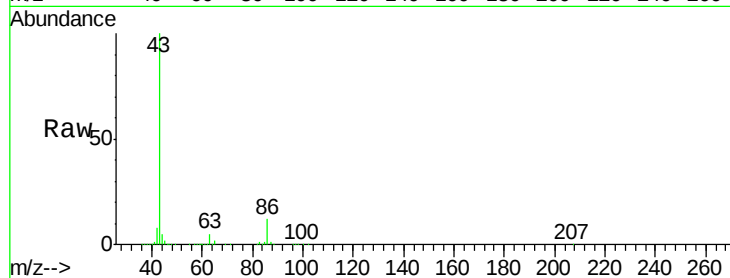
86 12.3 9.8 14.6

Manual Integrations

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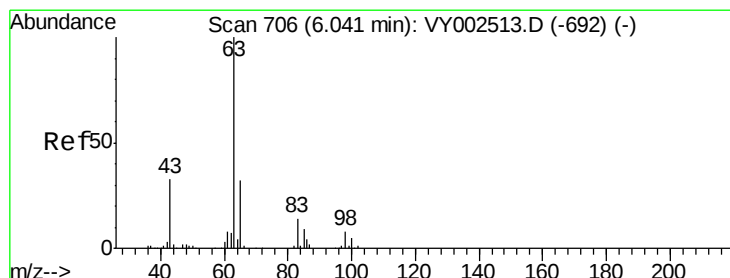
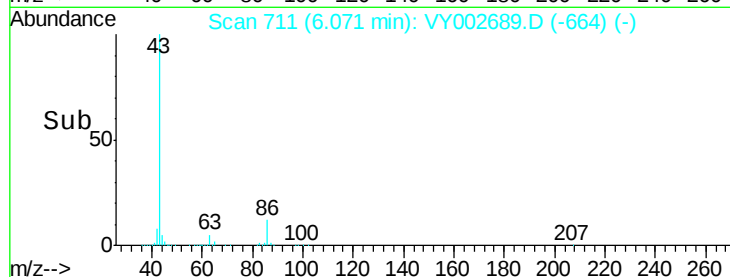
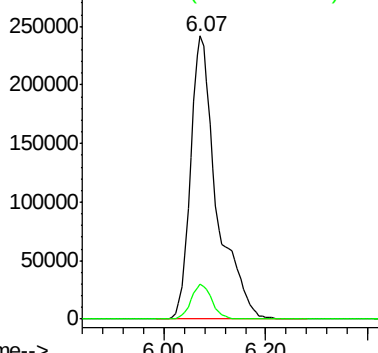
MMDadoda

5/14/2020 12:17:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

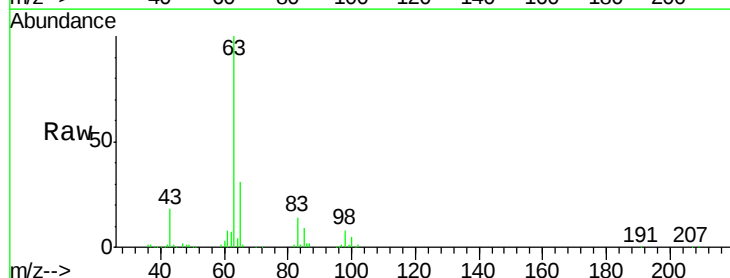
Tgt Ion: 63 Resp: 236603

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

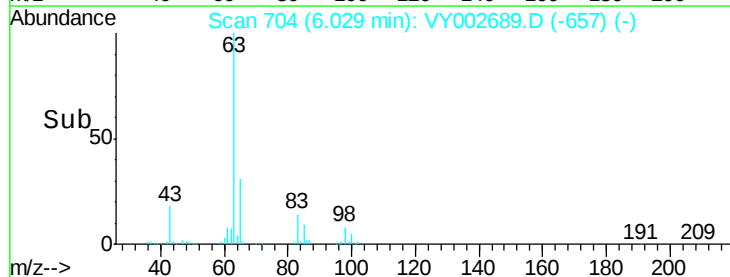
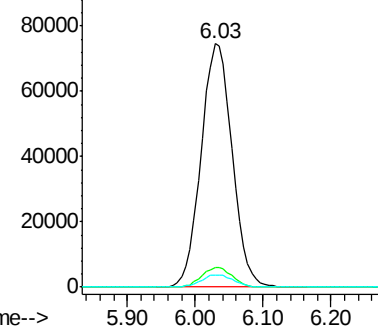
100 4.9 2.4 7.2

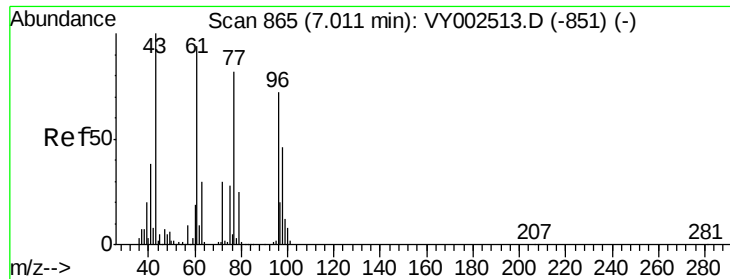


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





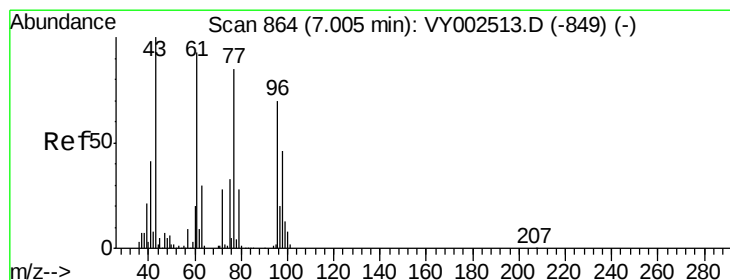
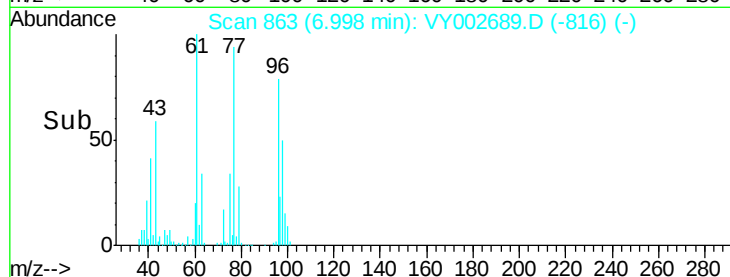
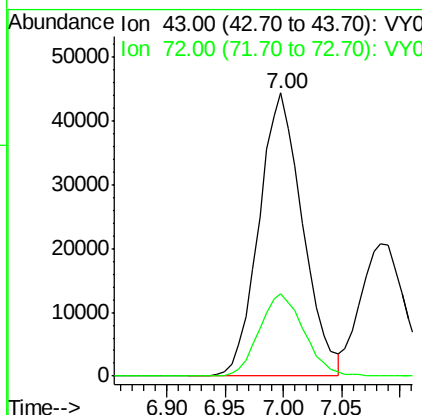
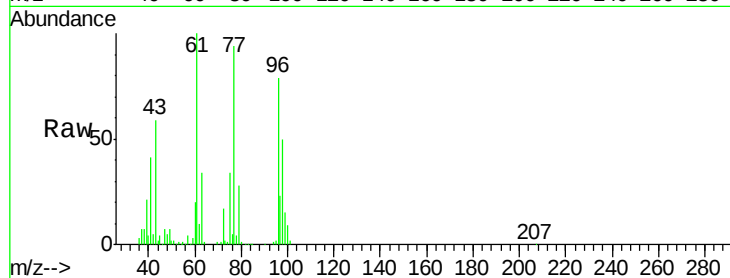
#25
2-Butanone
Concen: 122.604 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 115808
Ion Ratio Lower Upper
43 100
72 29.3 24.1 36.1

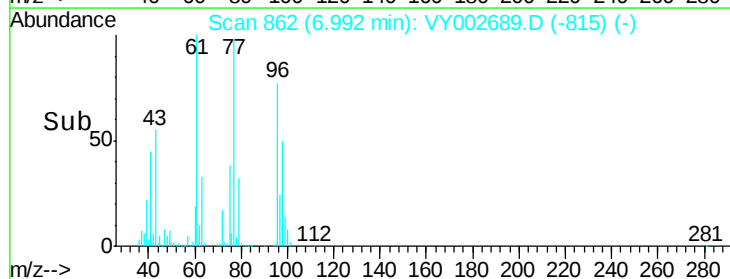
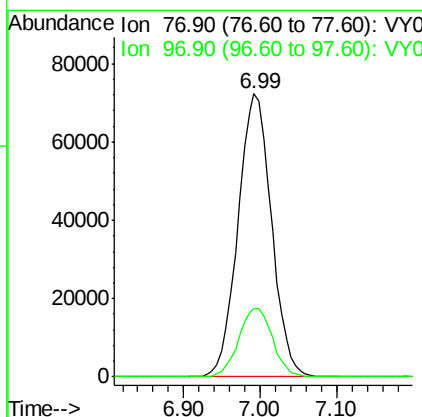
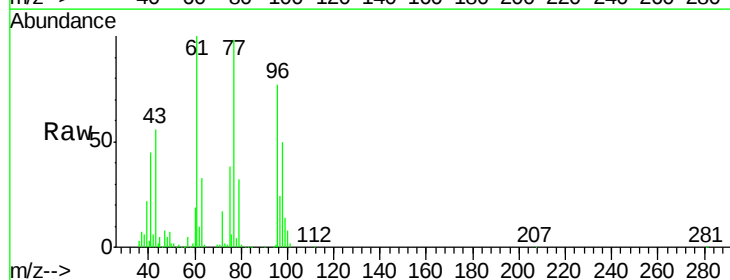
Manual Integrations
APPROVED

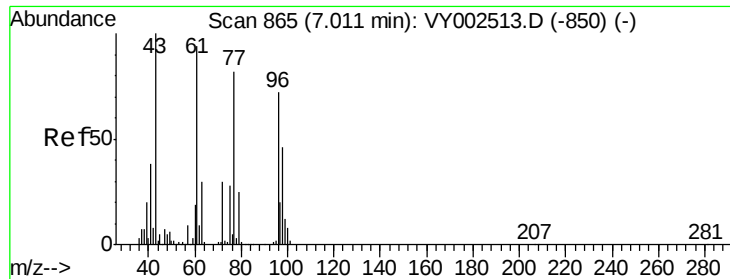
MMDadoda
5/14/2020 12:17:14 PM



#26
2,2-Dichloropropane
Concen: 46.156 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion: 77 Resp: 219040
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.5





#27

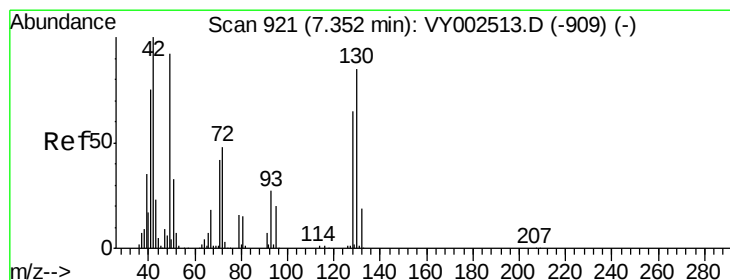
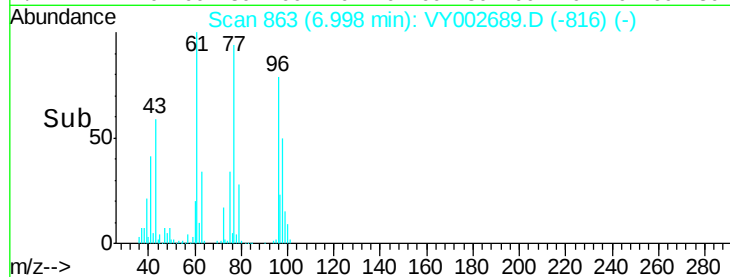
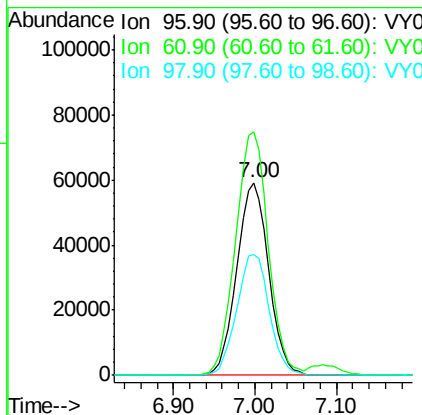
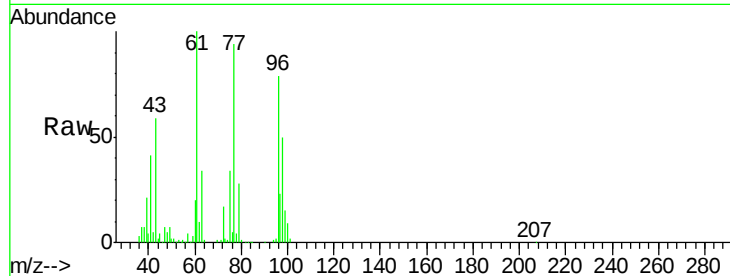
cis-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160421		
61	129.9	0.0	266.6	
98	64.3	0.0	129.2	

Manual Integrations
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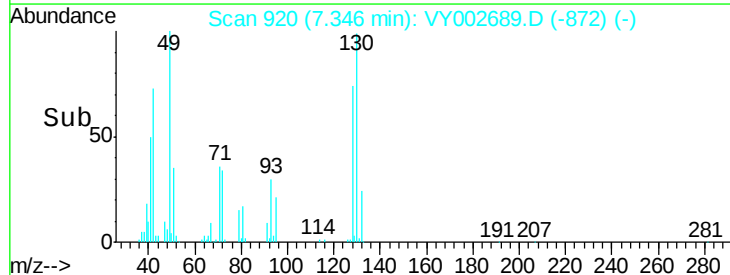
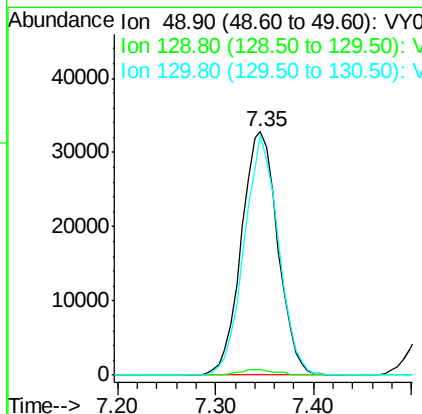
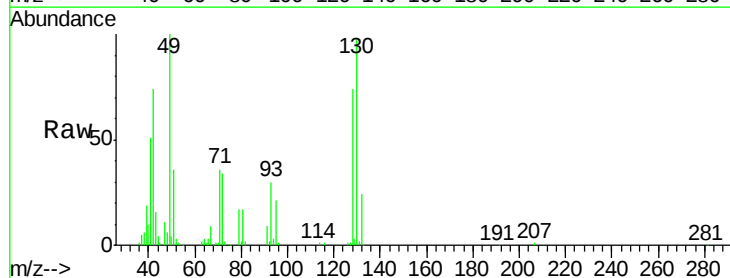
MMDadoda
5/14/2020 12:17:14 PM

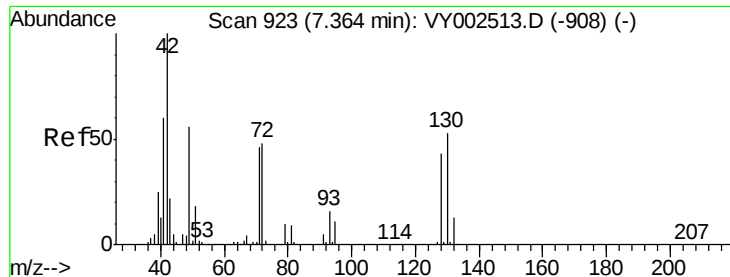


#28

Bromochloromethane
Concen: 41.328 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84539		
129	2.4	0.0	4.8	
130	92.6	72.5	108.7	





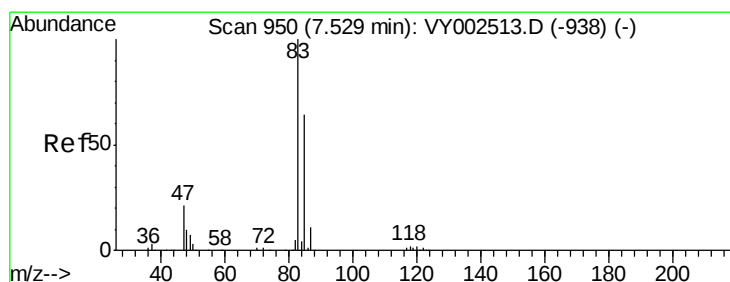
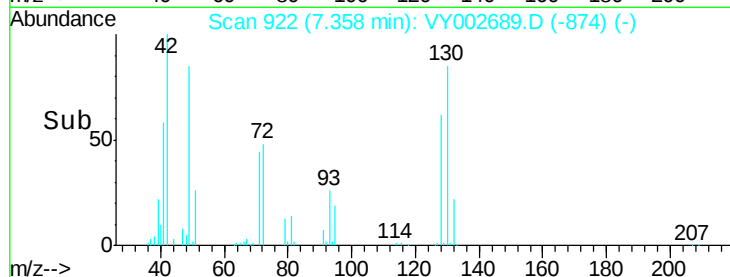
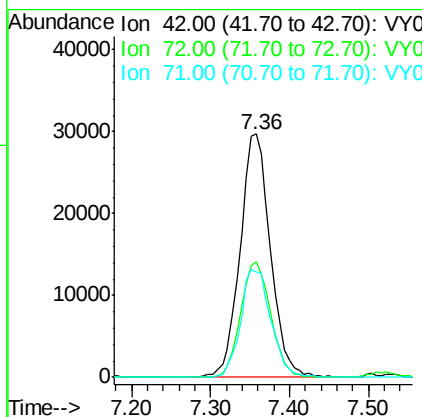
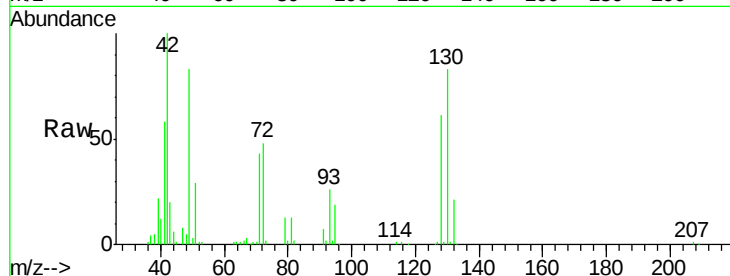
#29
Tetrahydrofuran
Concen: 127.207 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.2
71	44.4	35.0	52.4

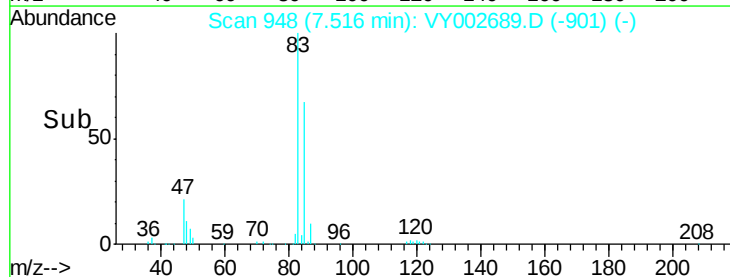
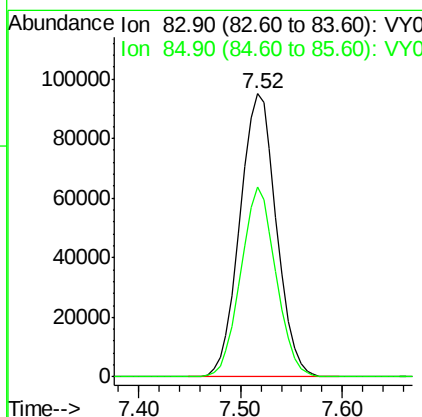
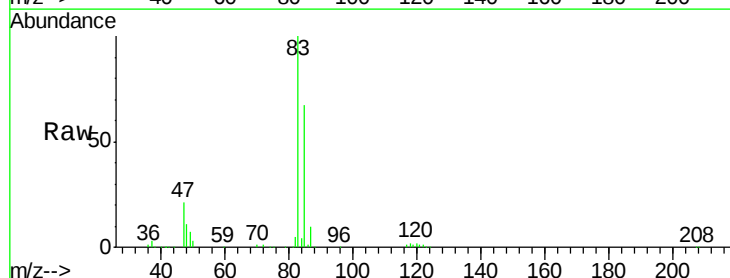
Manual Integrations
APPROVED

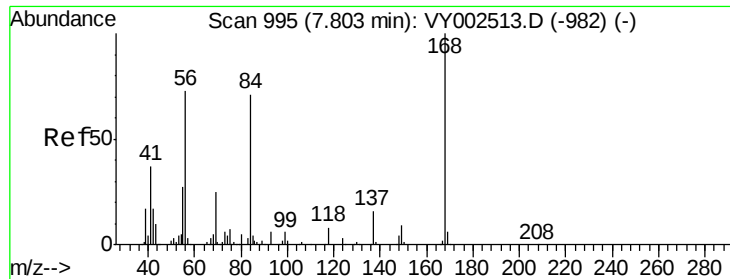
MMDadoda
5/14/2020 12:17:14 PM



#30
Chloroform
Concen: 45.398 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3





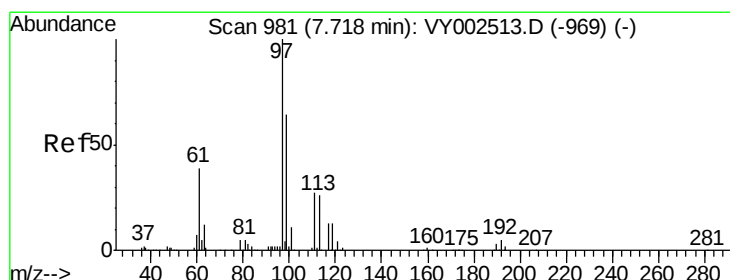
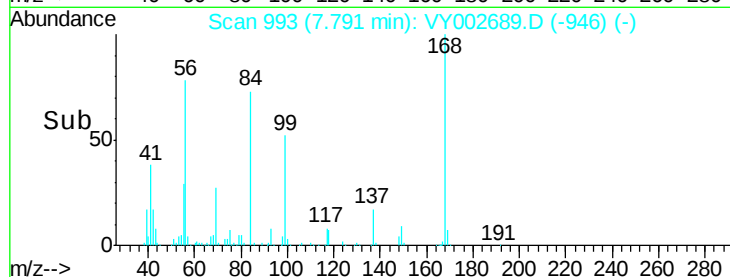
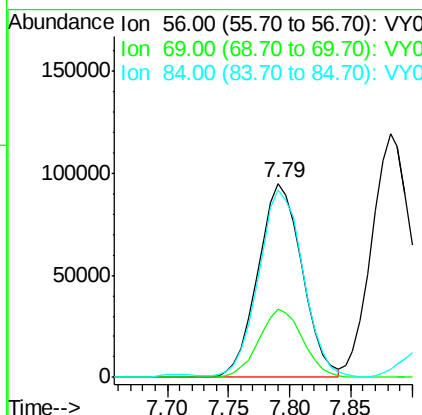
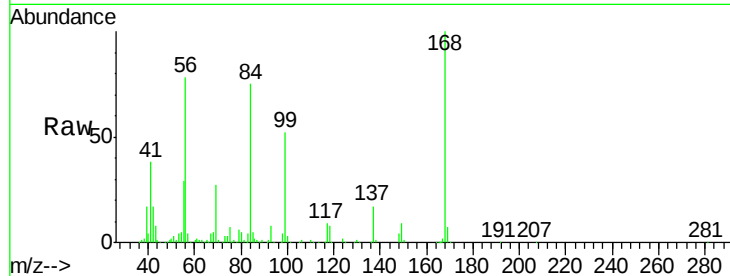
#31
Cyclohexane
Concen: 47.606 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	27.6	41.4
84	94.9	77.7	116.5

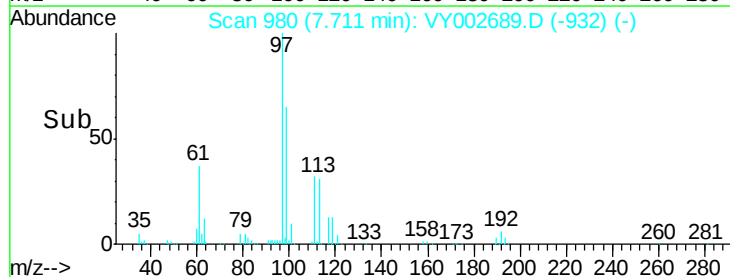
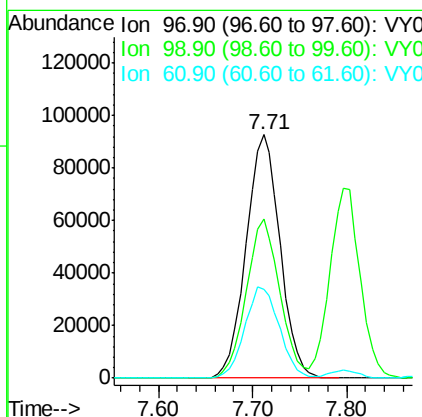
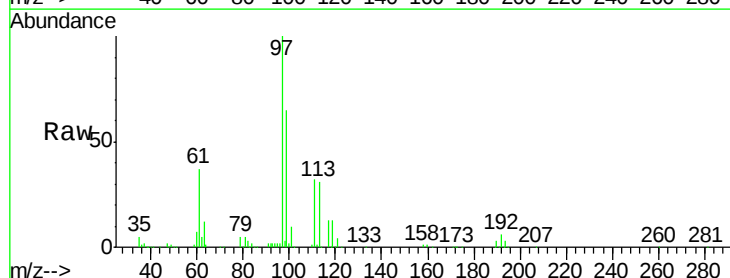
Manual Integrations
APPROVED

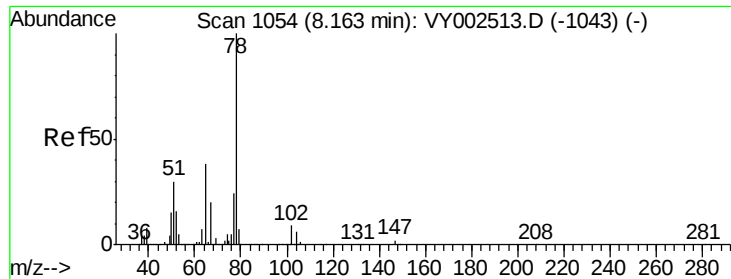
MMDadoda
5/14/2020 12:17:14 PM



#32
1,1,1-Trichloroethane
Concen: 48.603 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	38.1	31.0	46.6





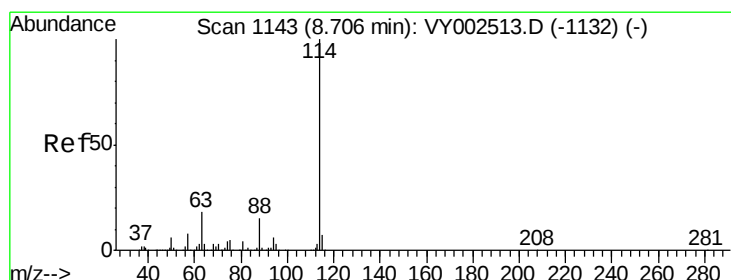
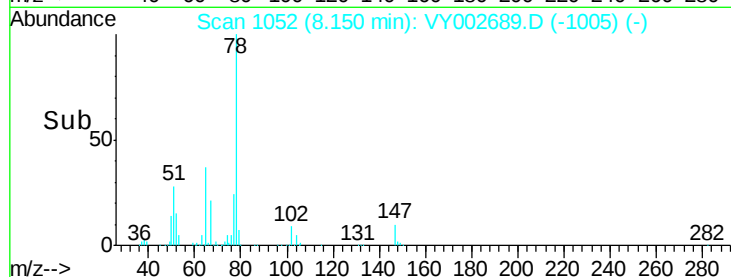
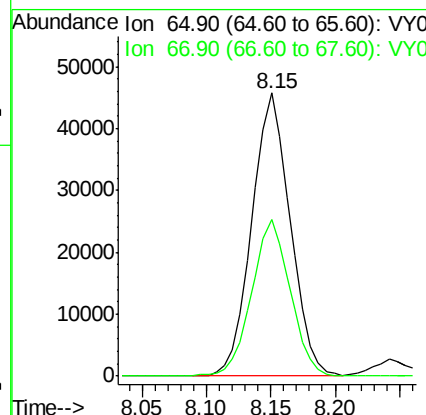
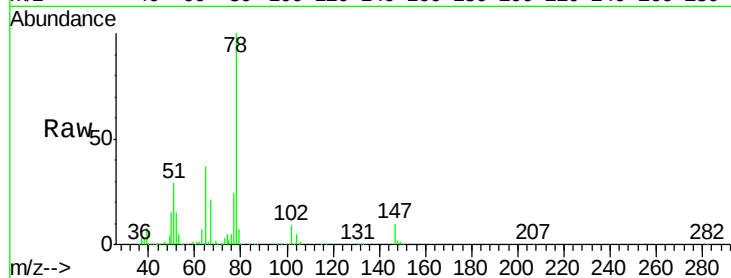
#33
 1,2-Dichloroethane-d4
 Concen: 33.739 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	107.2	

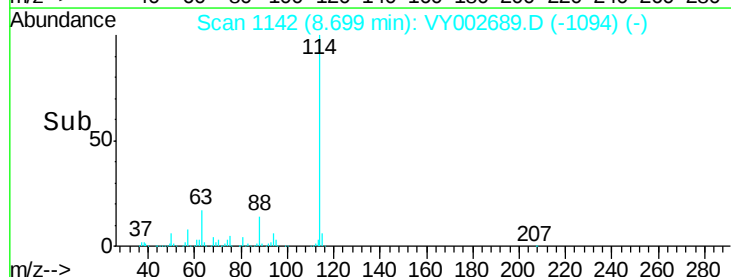
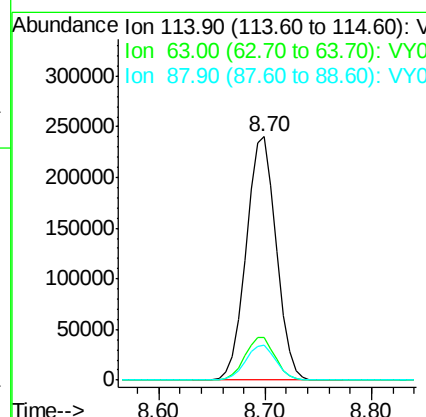
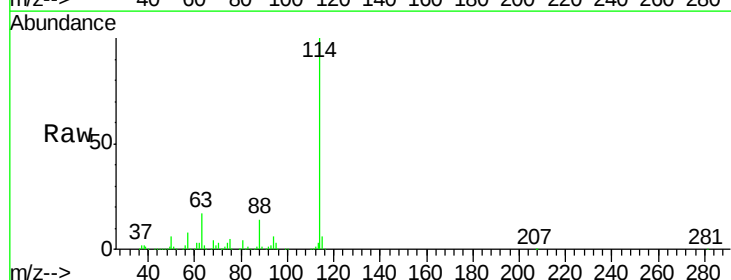
Manual Integrations
 APPROVED

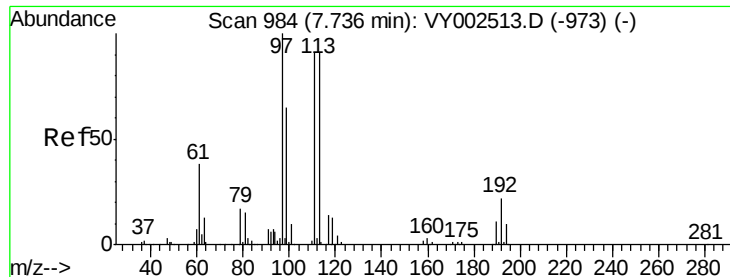
MMDadoda
 5/14/2020 12:17:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	36.4	
88	14.5	0.0	29.6	





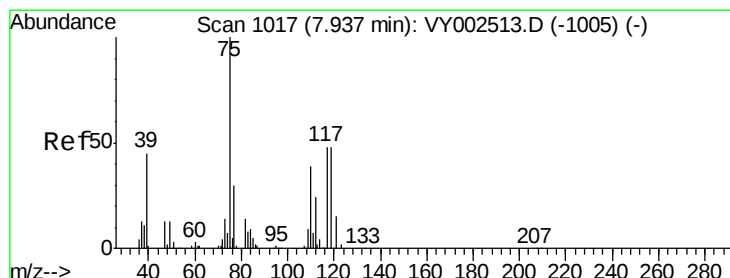
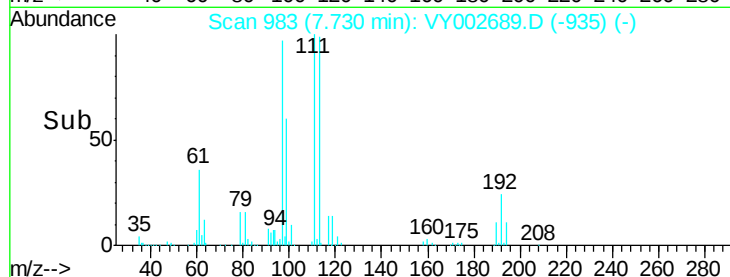
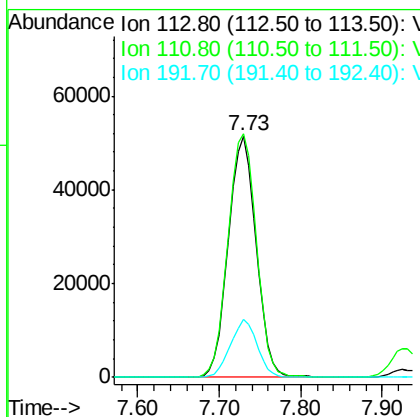
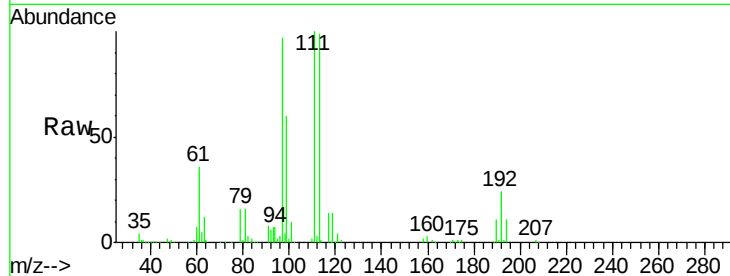
#35
Dibromofluoromethane
Concen: 44.510 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	23.2	18.2	27.4

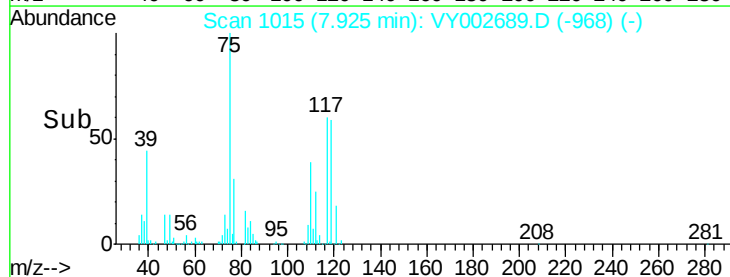
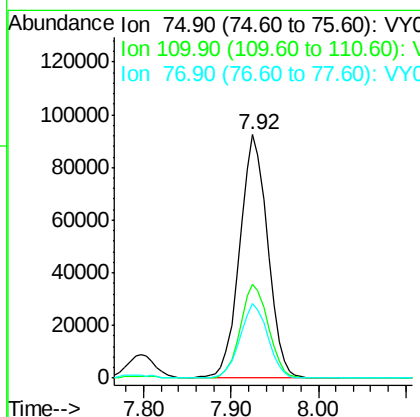
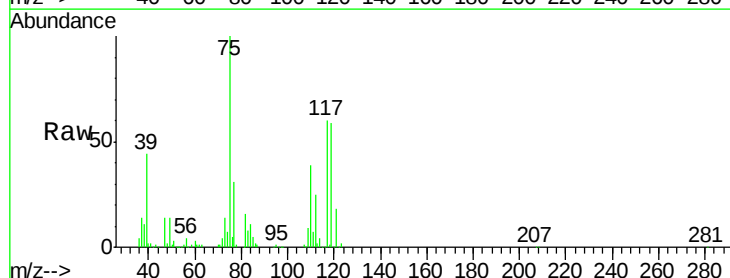
Manual Integrations
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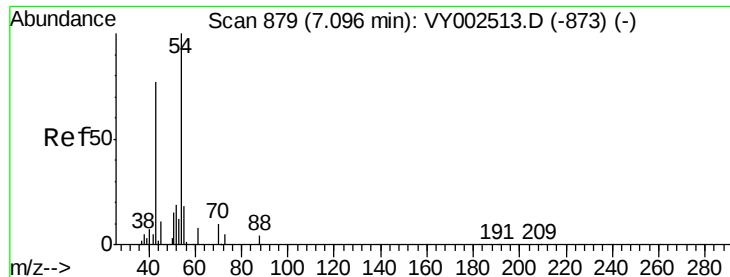
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.607 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	30.8	24.6	37.0





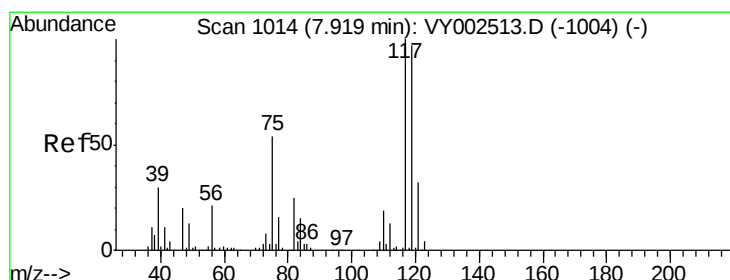
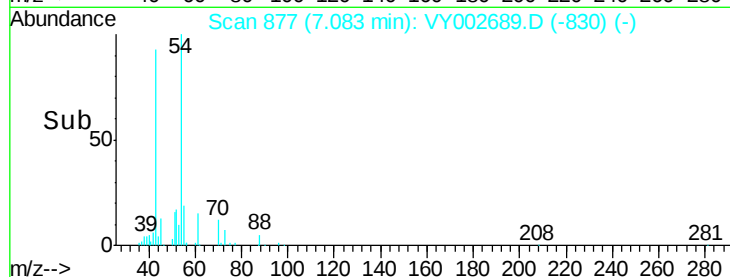
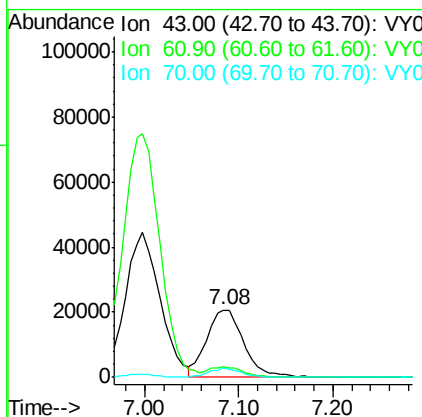
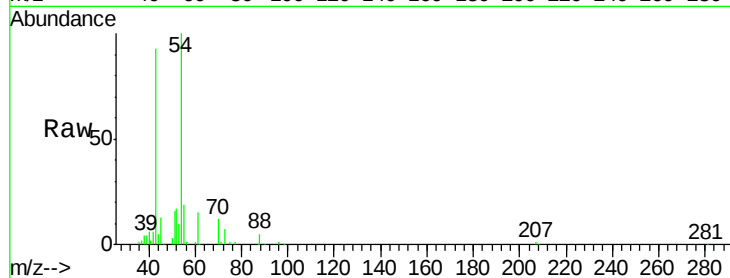
#37
Ethyl Acetate
Concen: 27.779 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	56832
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.6	17.4
70	11.5	9.0	13.6

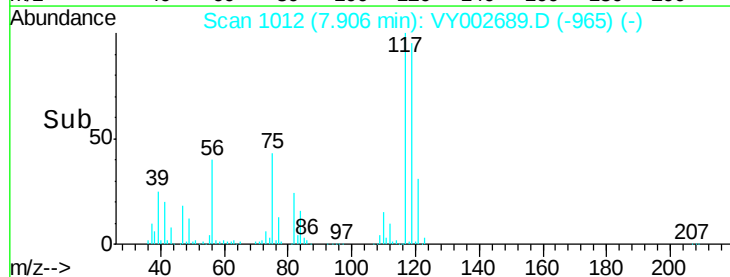
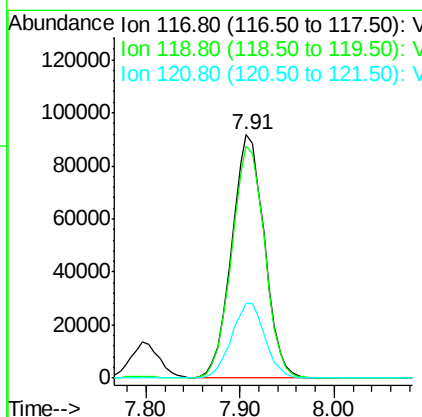
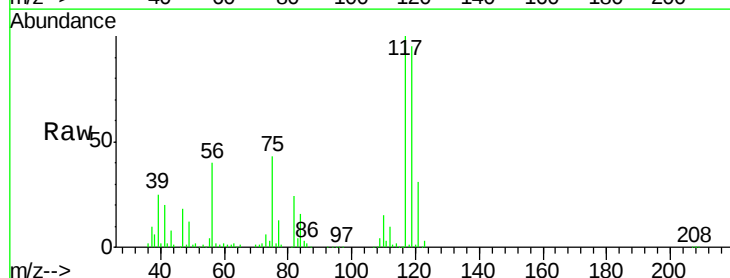
Manual Integrations
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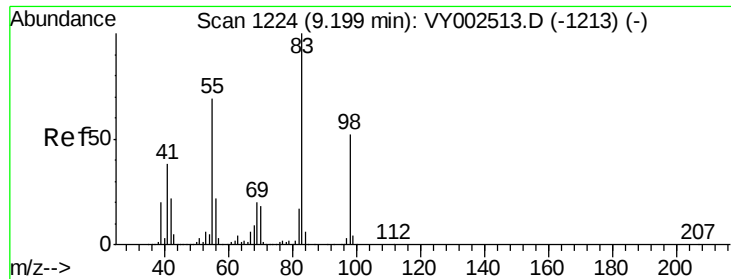
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.042 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:	117	Resp:	221856
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.1	115.7
121	30.7	25.2	37.8





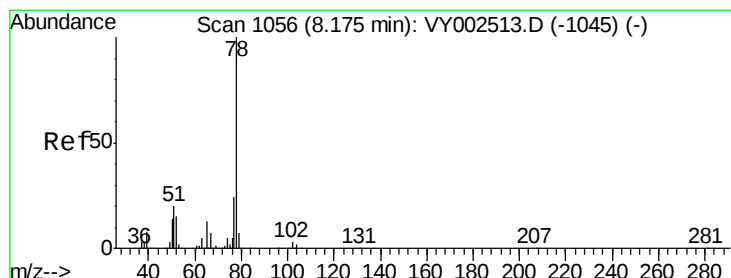
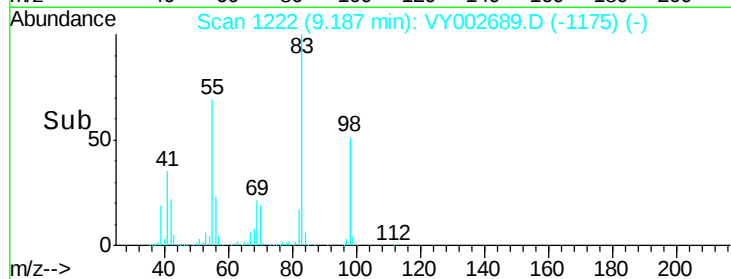
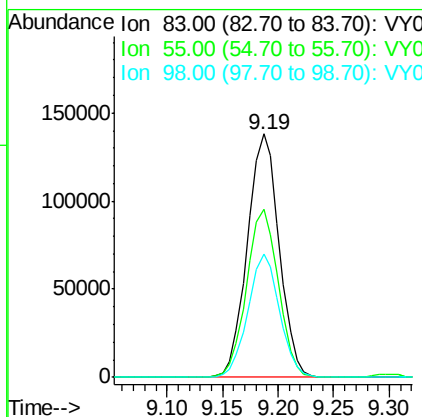
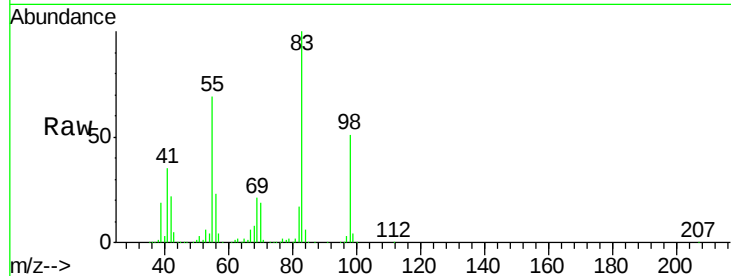
#39
Methvlcvclohexane
Concen: 52.279 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	55.4	83.0
98	50.9	41.3	61.9

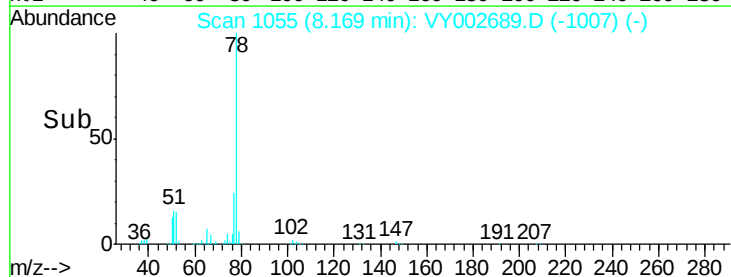
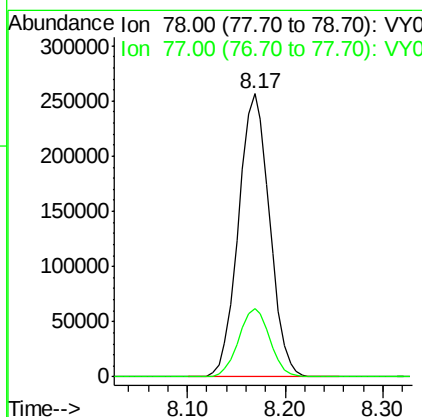
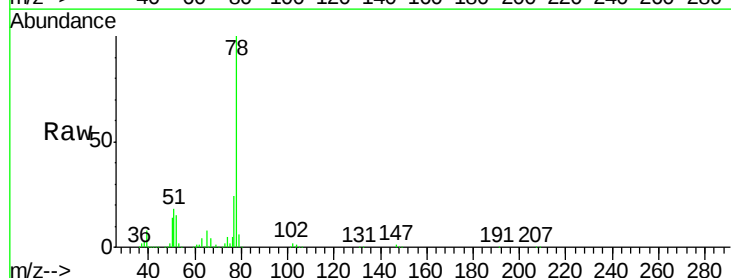
Manual Integrations
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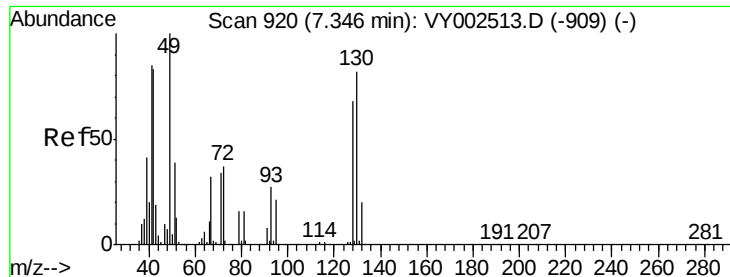
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#40
Benzene
Concen: 49.144 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 34.037 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 37440

Ion Ratio Lower Upper

41 100

39 0.0 83.1 124.7#

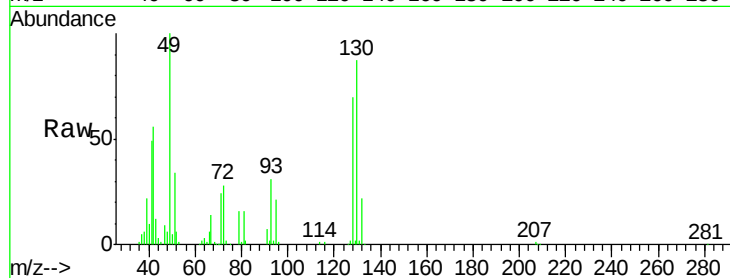
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

5/14/2020 12:17:14 PM

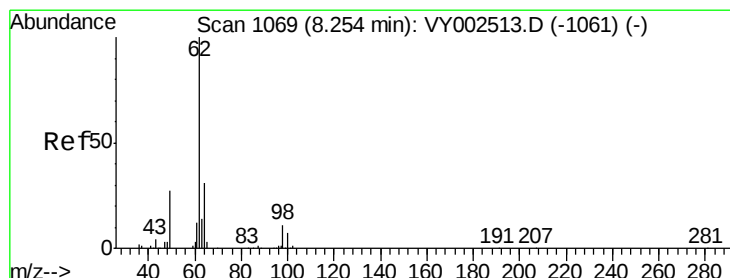
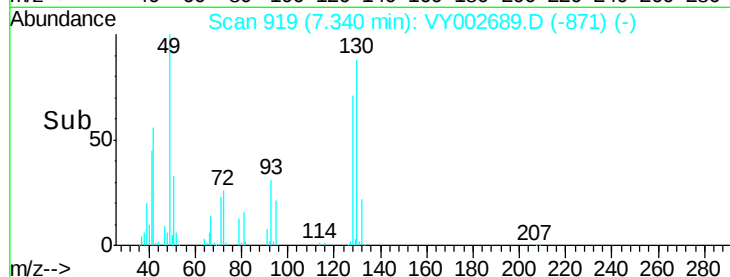
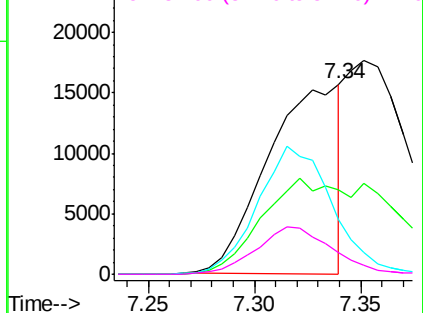


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 35.877 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY002689.D

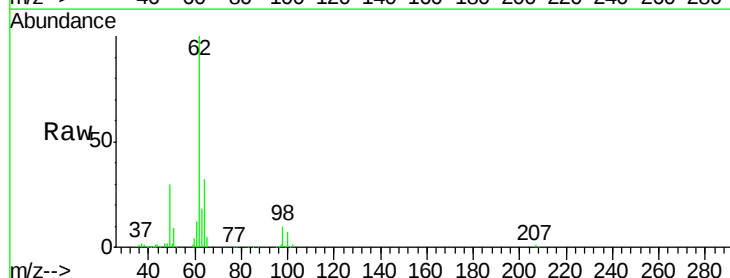
Acq: 13 May 2020 16:53

Tgt Ion: 62 Resp: 115717

Ion Ratio Lower Upper

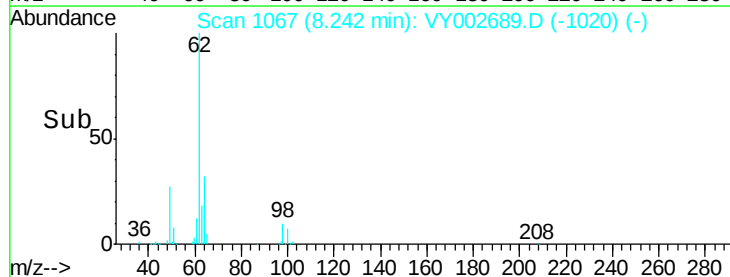
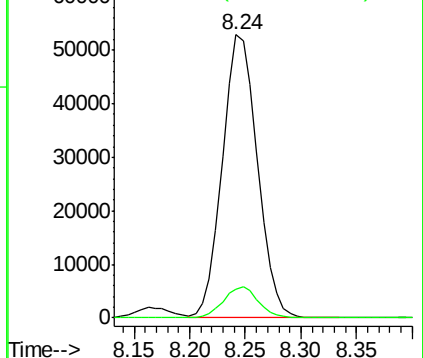
62 100

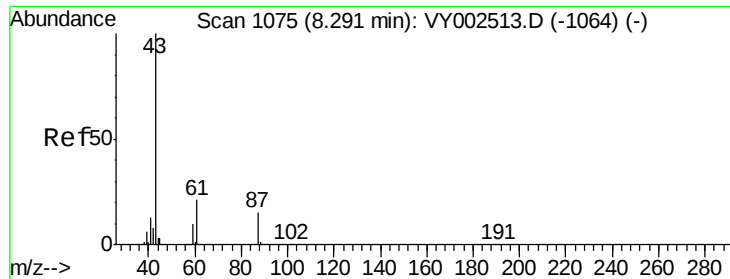
98 10.9 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





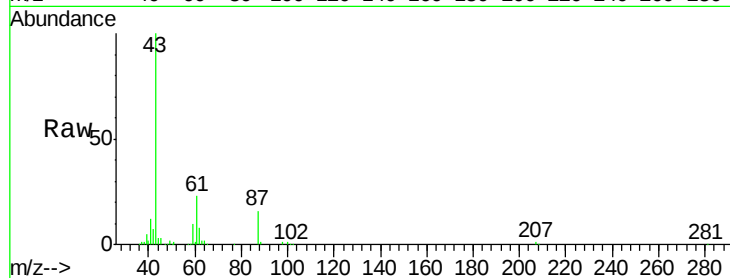
#43
Isopropyl Acetate
Concen: 29.320 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

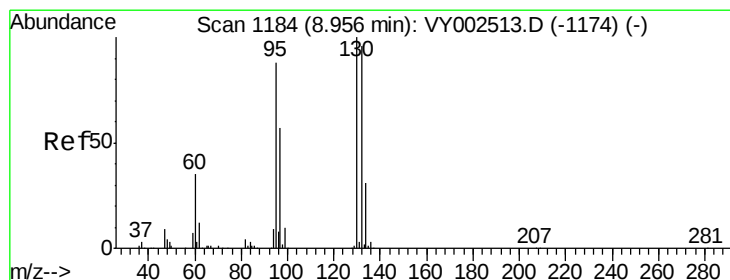
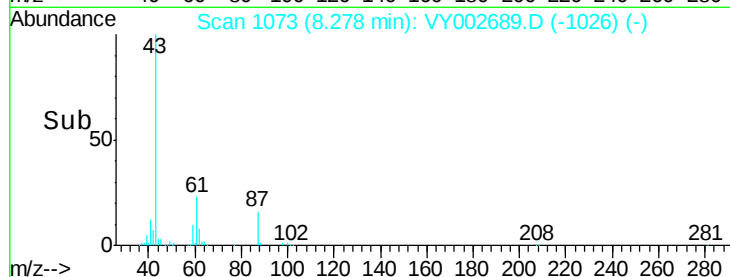
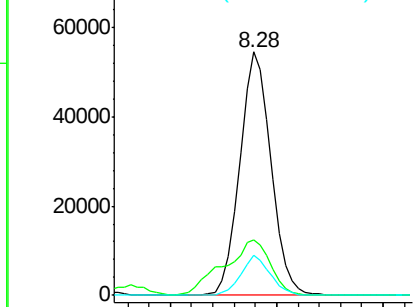
Tot Ion	Ratio	Lower	Upper
43	100		
61	33.8	24.8	37.2
87	15.4	12.2	18.2

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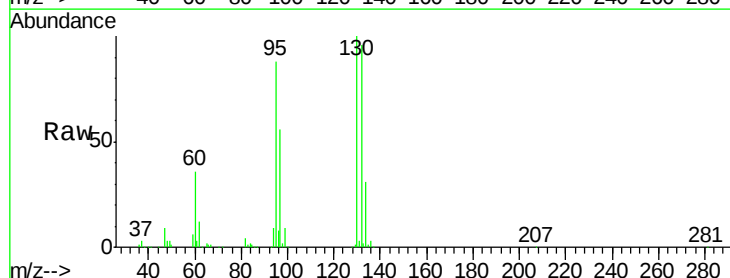


Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1064) (-)
Ion 61.00 (60.70 to 61.70): VY002513.D (-1064) (-)
Ion 87.00 (86.70 to 87.70): VY002513.D (-1064) (-)

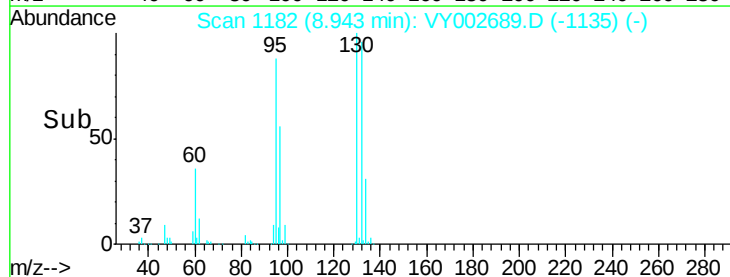
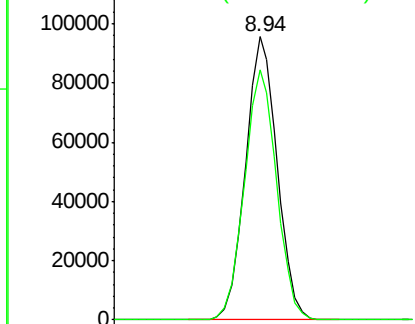


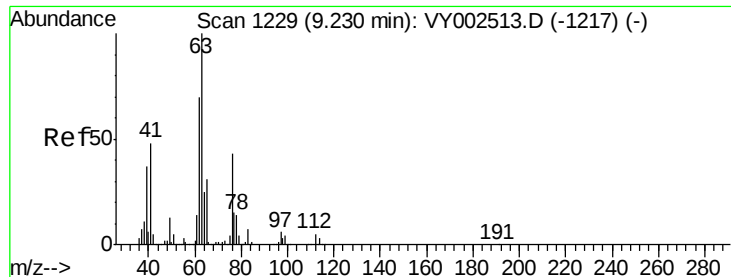
#44
Trichloroethene
Concen: 50.472 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)
Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)





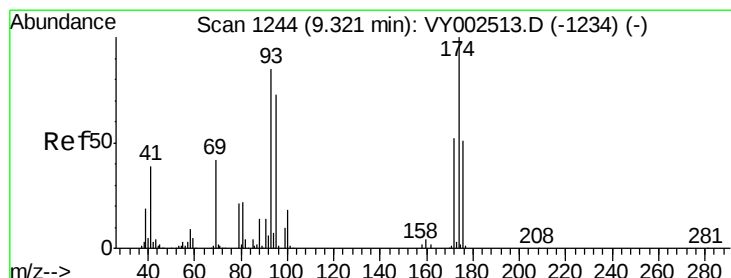
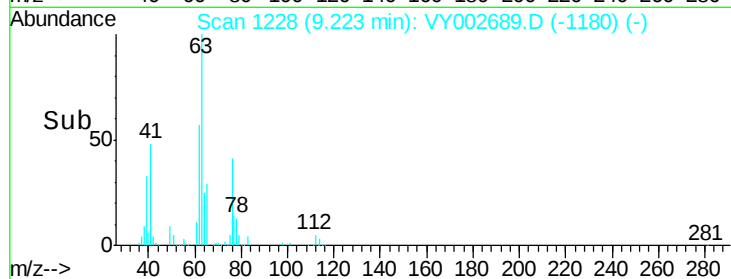
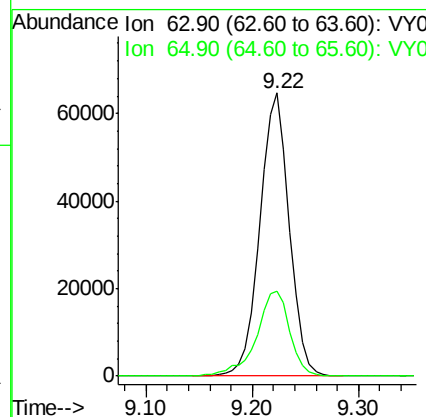
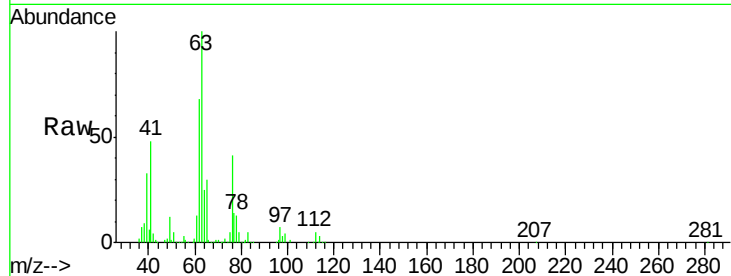
#45
 1,2-Dichloropropane
 Concen: 45.032 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.5	36.7

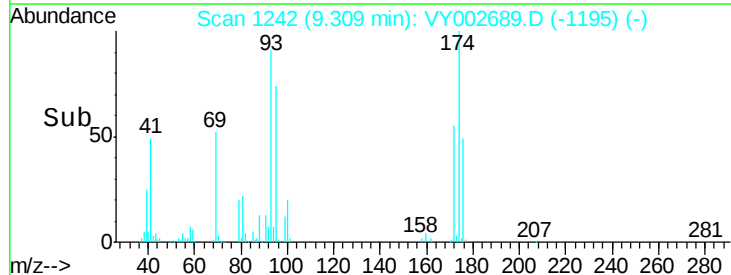
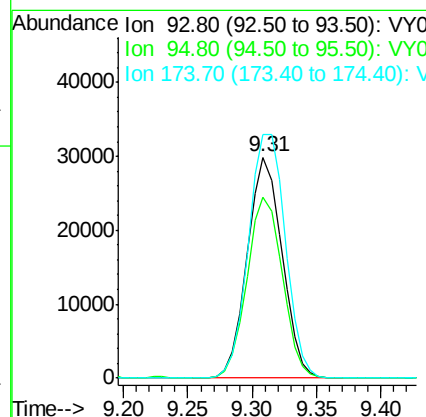
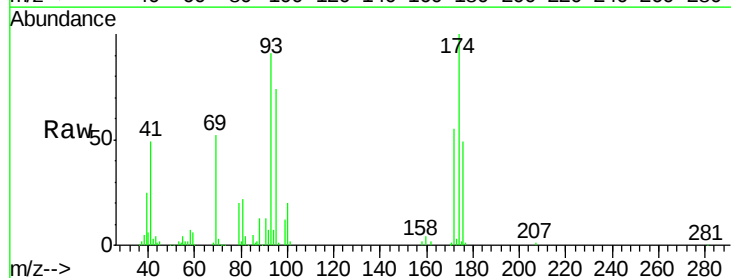
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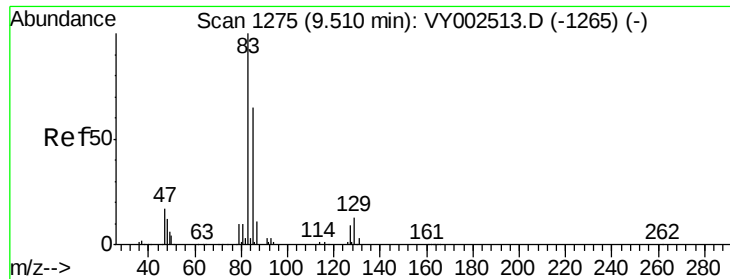
MMDadoda
 5/14/2020 12:17:14 PM



#46
 Dibromomethane
 Concen: 34.980 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.0	100.4
174	117.2	92.7	139.1





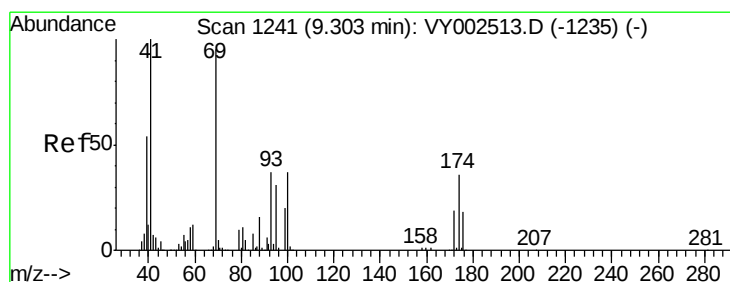
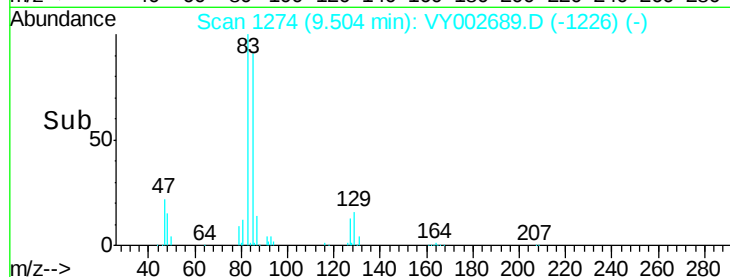
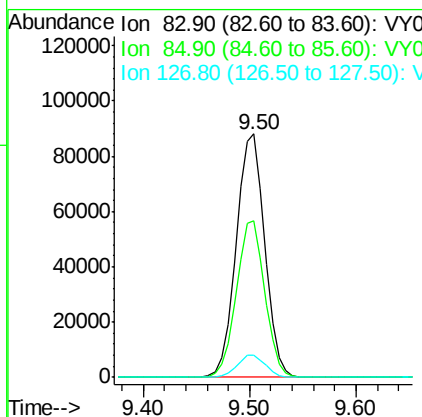
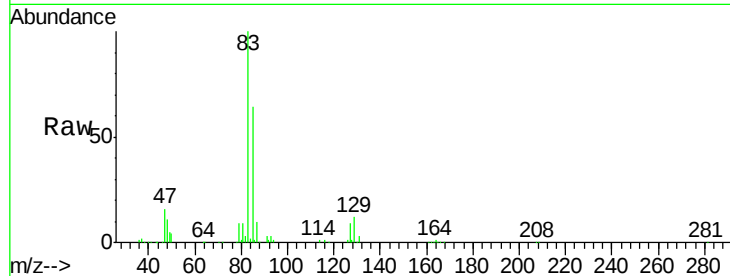
#47
Bromodichloromethane
Concen: 42.644 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165563		
85	64.2	51.8	77.8	
127	9.3	7.4	11.0	

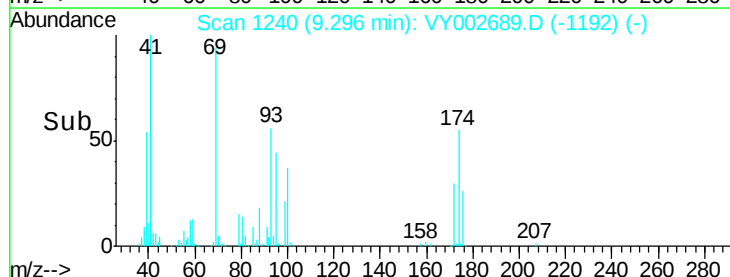
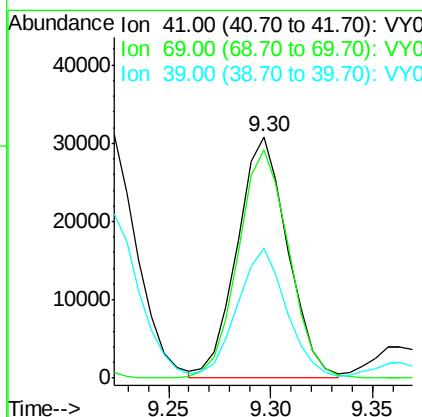
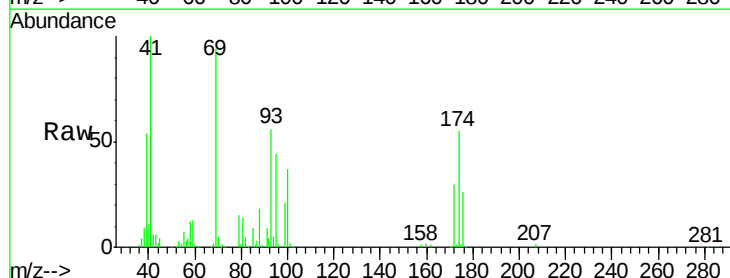
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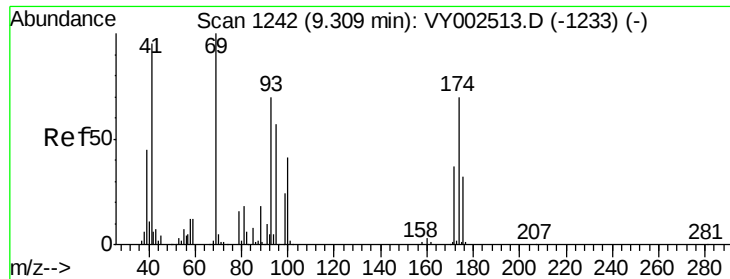
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#48
Methyl methacrylate
Concen: 30.617 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	53145		
69	95.2	76.2	114.4	
39	50.4	42.7	64.1	





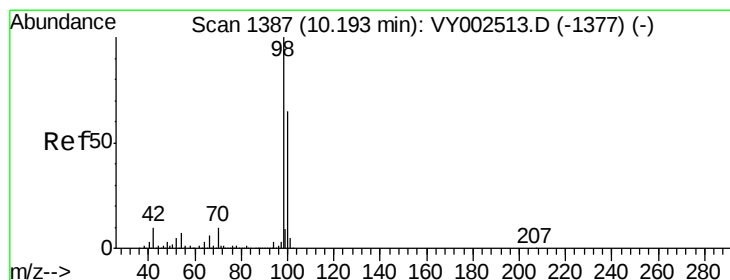
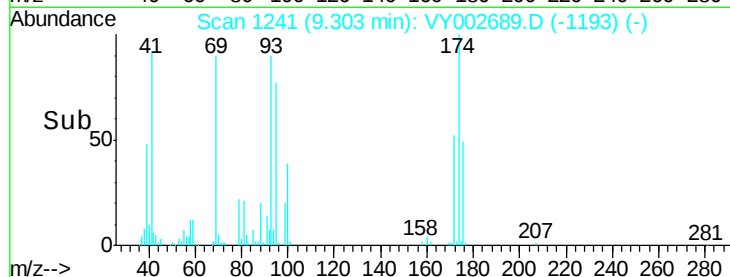
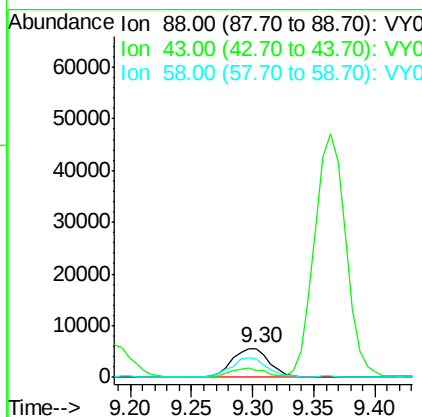
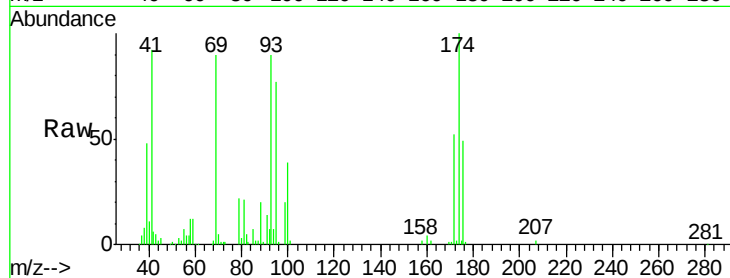
#49
1,4-Dioxane
Concen: 560.432 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	11848
Ion	Ratio	Lower	Upper
88	100		
43	31.1	22.8	34.2
58	64.0	51.4	77.2

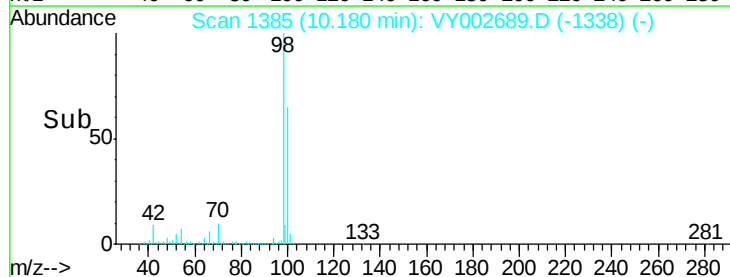
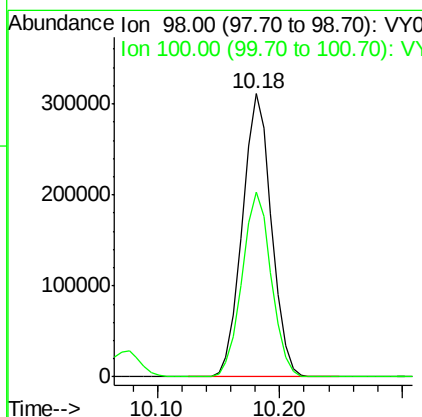
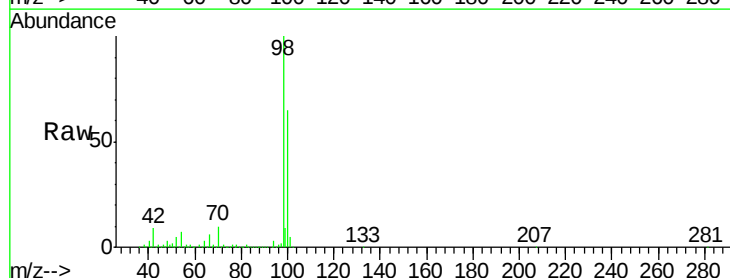
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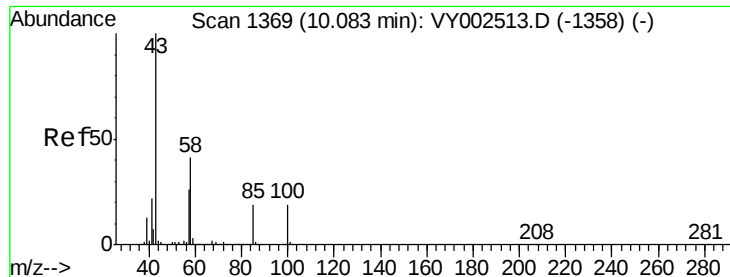
MMDadoda
5/14/2020 12:17:14 PM



#50
Toluene-d8
Concen: 48.413 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	98	Resp	513491
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 140.288 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 277337

Ion Ratio Lower Upper

43 100

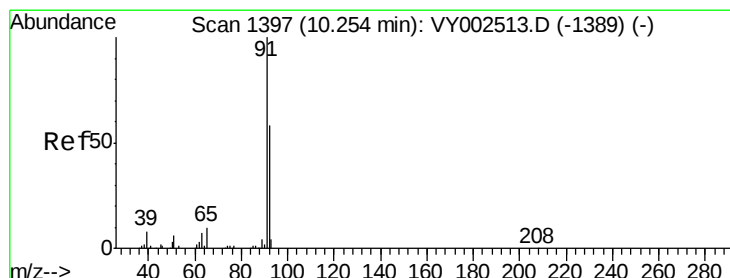
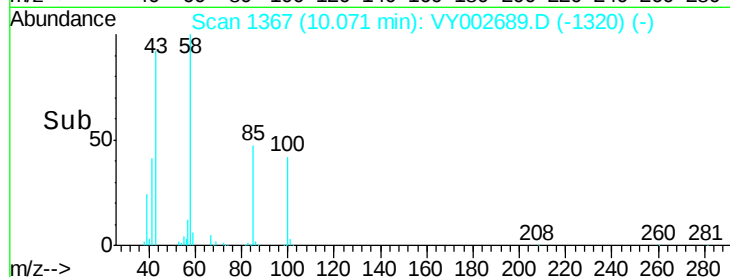
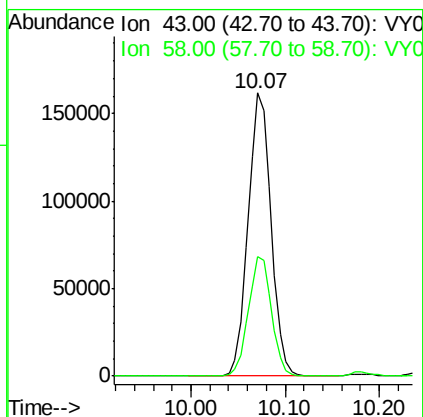
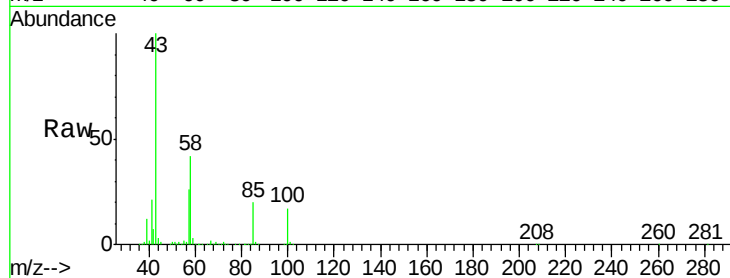
58 42.4 33.2 49.8

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#52

Toluene

Concen: 49.777 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002689.D

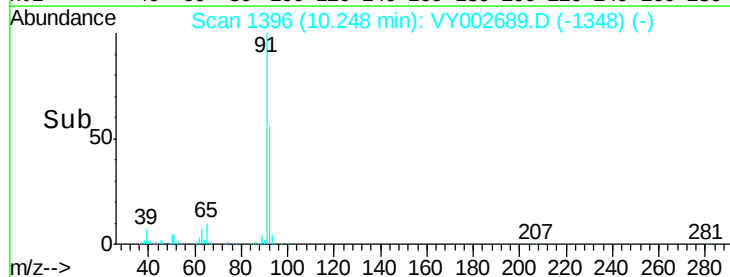
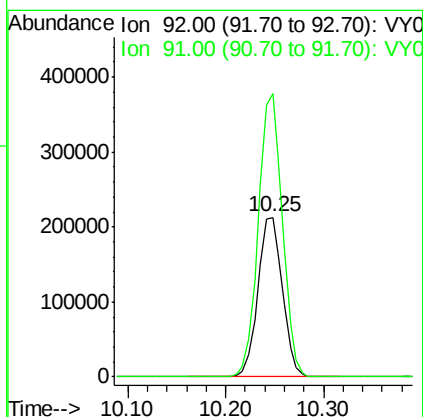
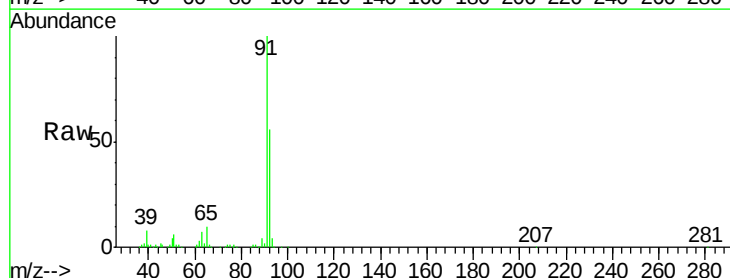
Acq: 13 May 2020 16:53

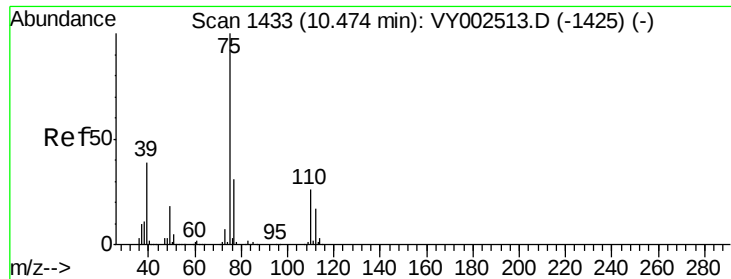
Tgt Ion: 92 Resp: 367844

Ion Ratio Lower Upper

92 100

91 174.3 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 37.525 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 152645

Ion Ratio Lower Upper

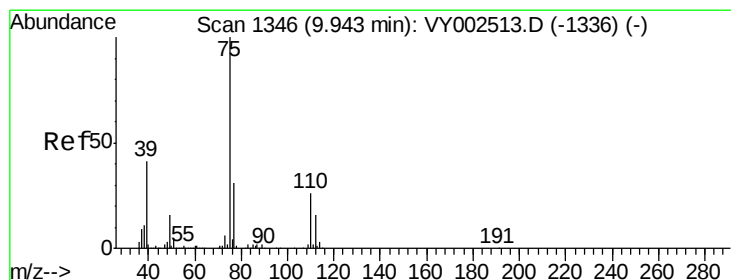
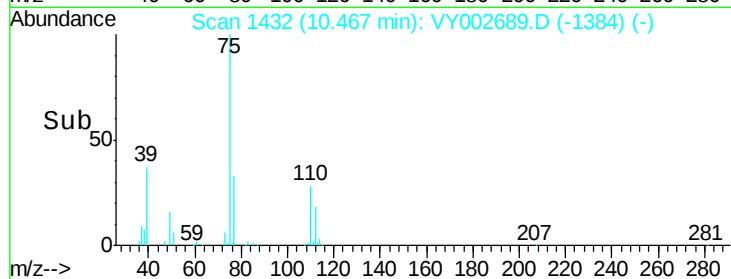
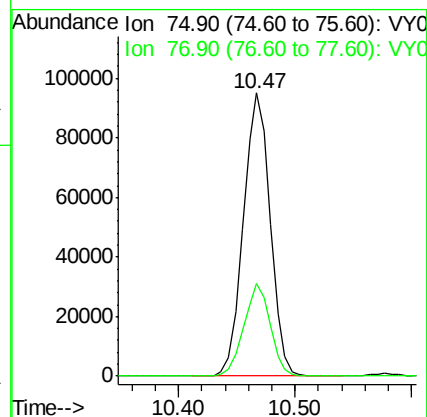
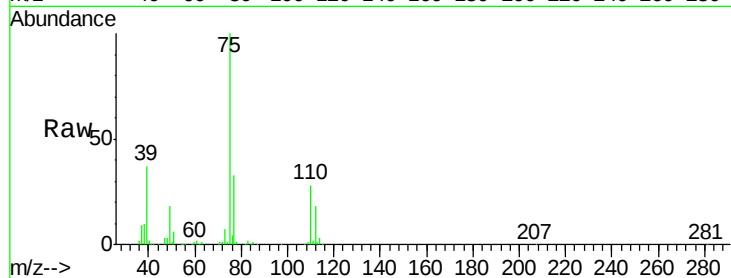
75 100

77 32.8 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 41.691 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

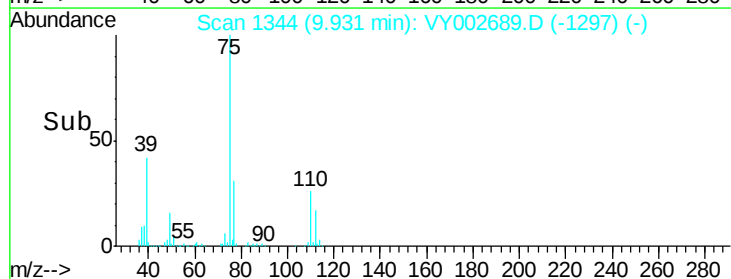
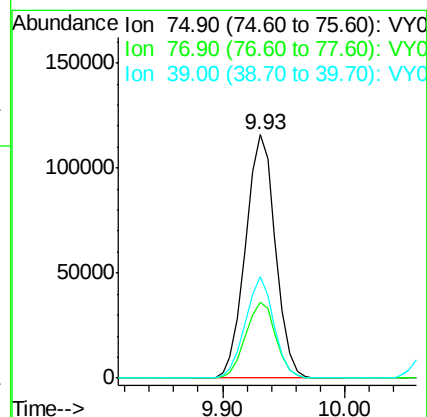
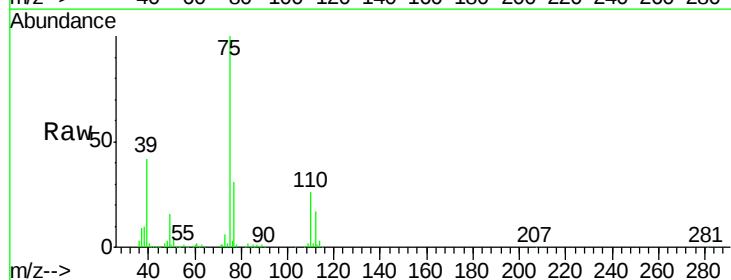
Tgt Ion: 75 Resp: 196055

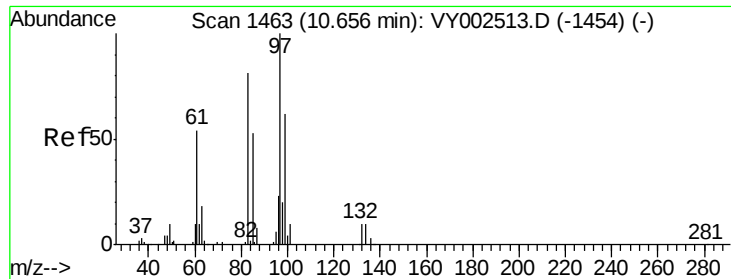
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 41.5 32.7 49.1





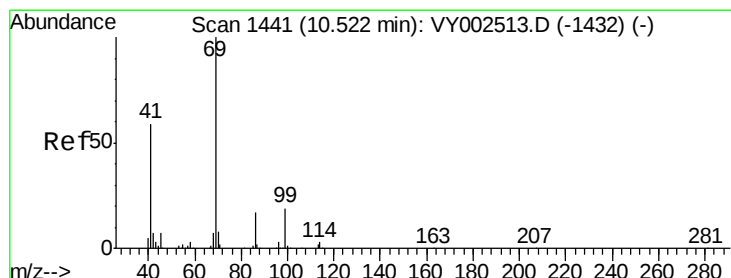
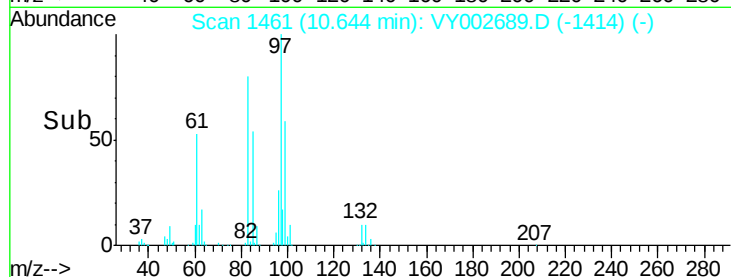
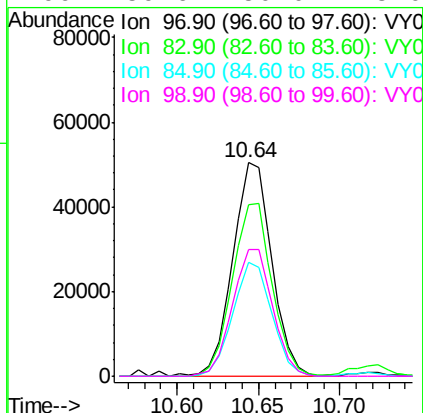
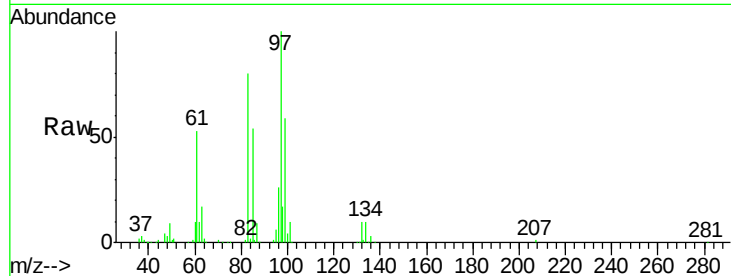
#55
 1,1,2-Trichloroethane
 Concen: 35.817 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83398		
83	80.2	65.1	97.7		
85	53.5	42.7	64.1		
99	59.6	50.0	75.0		

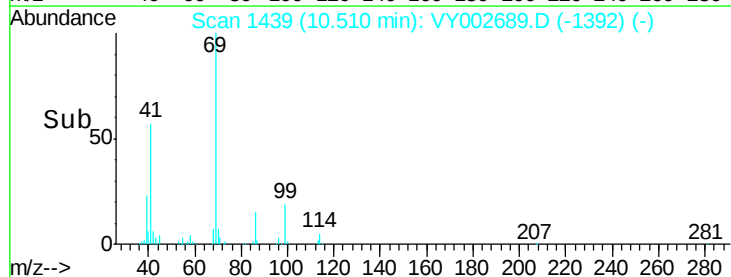
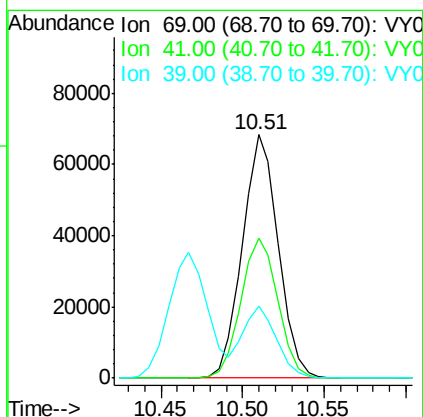
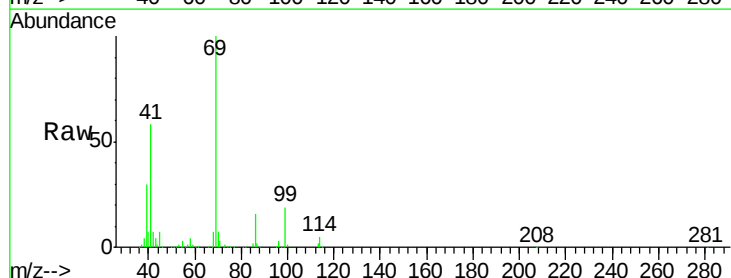
Manual Integrations
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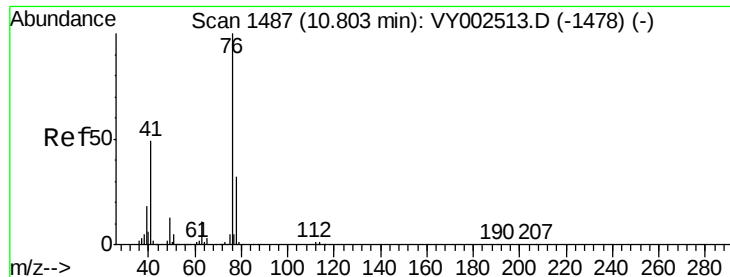
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#56
 Ethyl methacrylate
 Concen: 33.744 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104523		
41	58.6	48.6	73.0		
39	27.9	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 36.181 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 142866

Ion Ratio Lower Upper

76 100

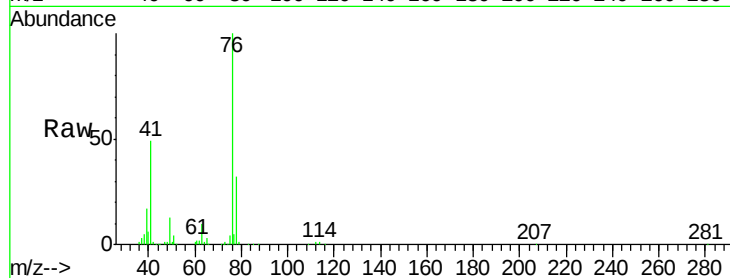
78 33.1 25.4 38.2

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

10.79

80000

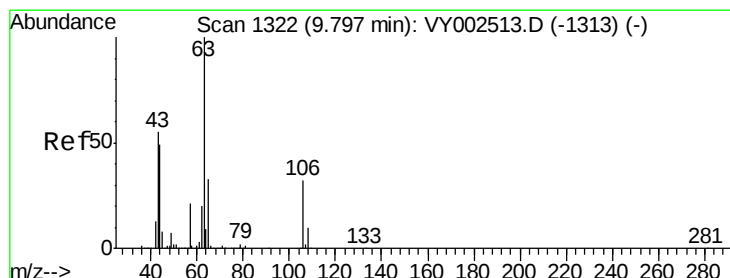
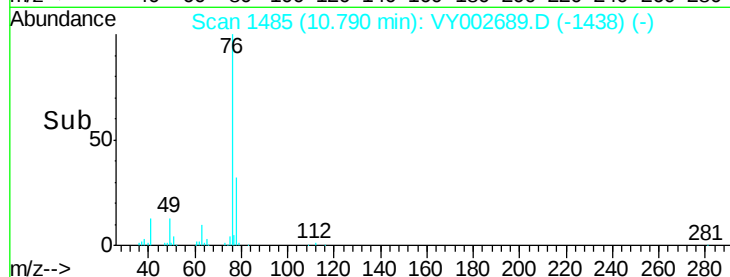
60000

40000

20000

0

Time--> 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 167.430 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY002689.D

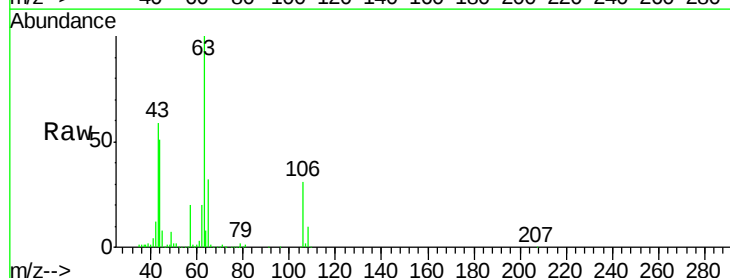
Acq: 13 May 2020 16:53

Tgt Ion: 63 Resp: 273497

Ion Ratio Lower Upper

63 100

106 31.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

200000

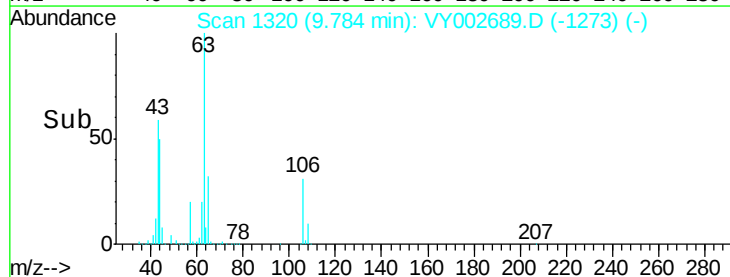
150000

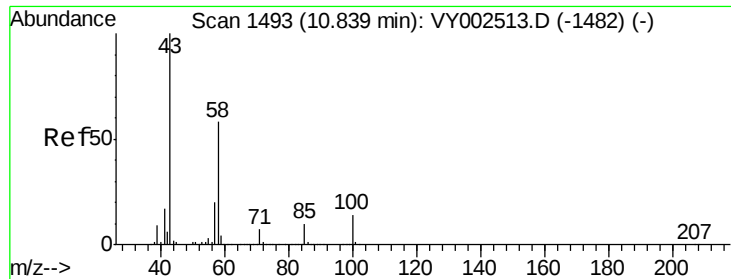
100000

50000

0

Time--> 9.70 9.75 9.80 9.85 9.90





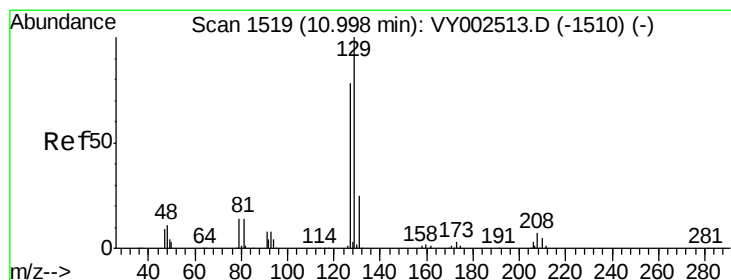
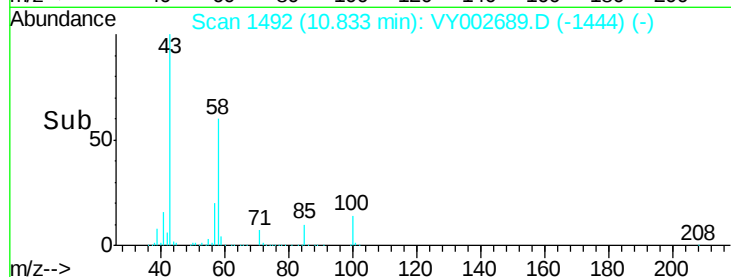
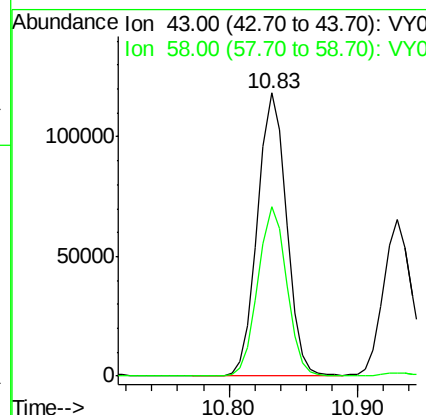
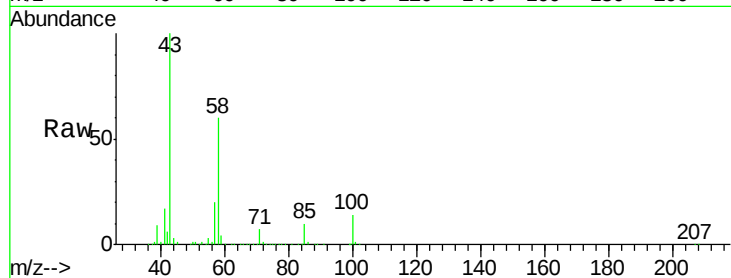
#59
2-Hexanone
Concen: 135.252 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	184029
Ion Ratio	43	100	
Lower	58	59.2	29.1
Upper			87.3

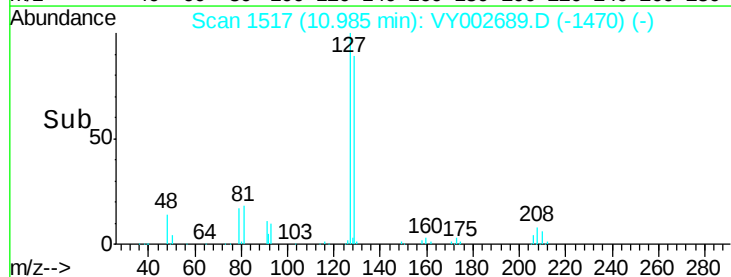
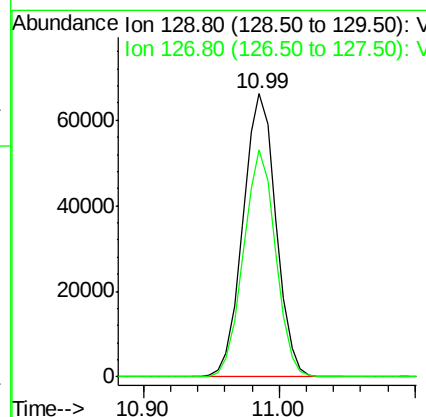
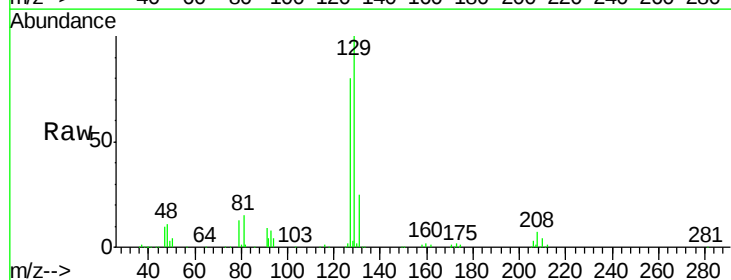
Manual Integrations
APPROVED

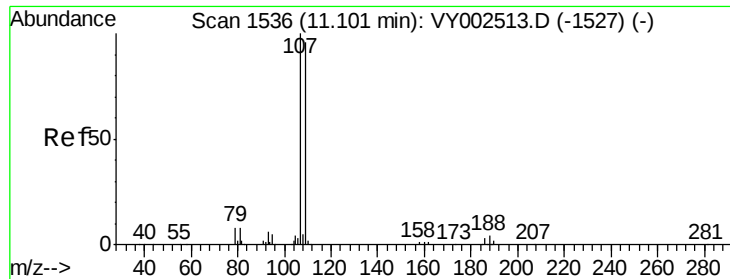
MMDadoda
5/14/2020 12:17:14 PM



#60
Dibromochloromethane
Concen: 37.849 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	129	Resp	112089
Ion Ratio	129	100	
Lower	127	78.0	39.0
Upper			117.0





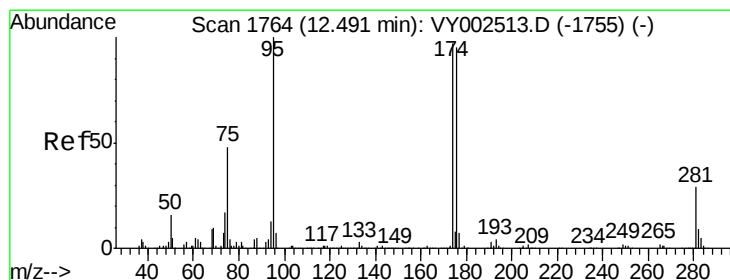
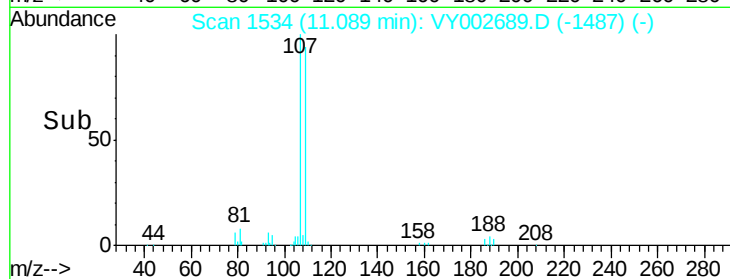
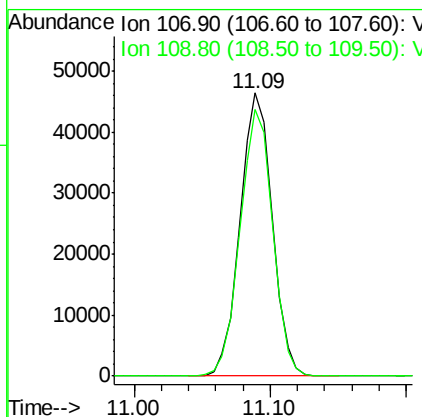
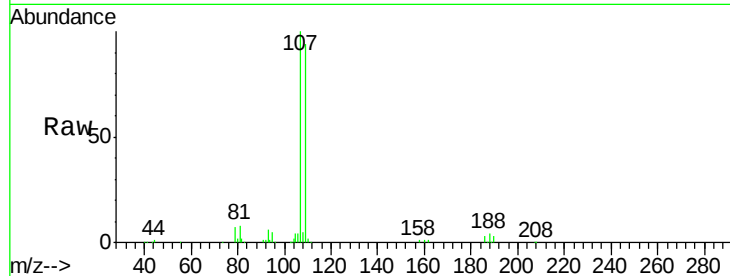
#61
 1,2-Dibromoethane
 Concen: 33.349 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.8

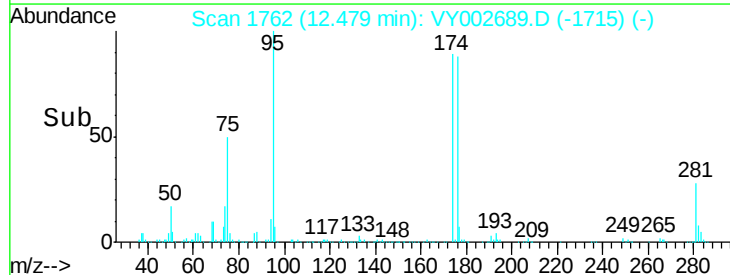
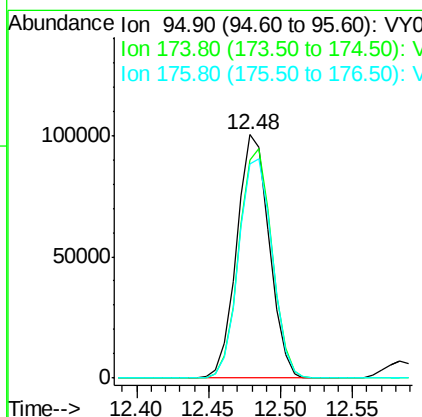
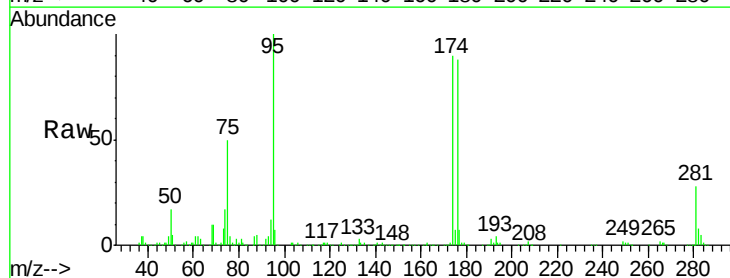
Manual Integrations
 APPROVED

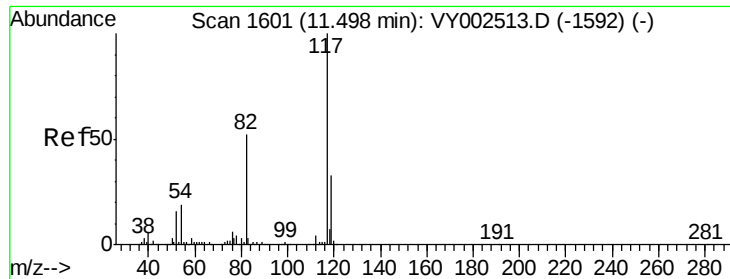
MMDadoda
 5/14/2020 12:17:14 PM



#62
 4-Bromofluorobenzene
 Concen: 43.779 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	188.8
176	92.7	0.0	183.2





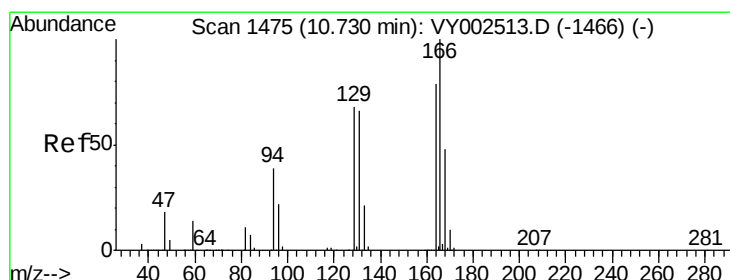
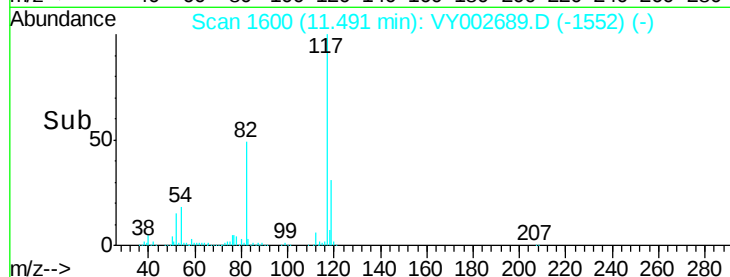
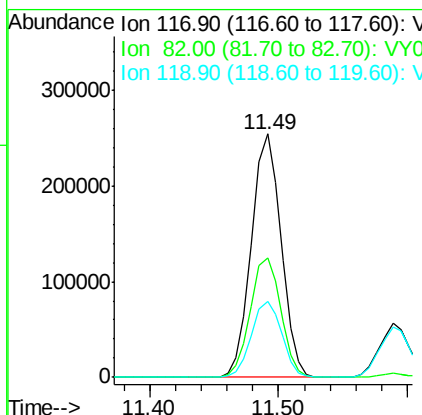
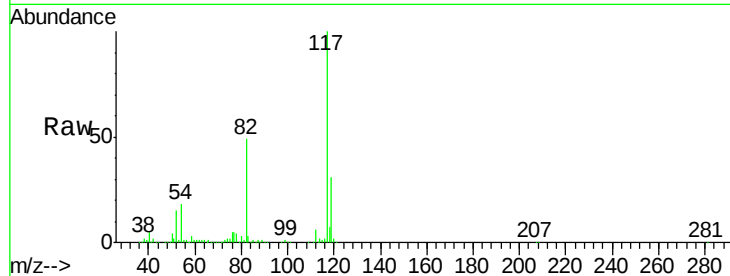
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	404084		
82	49.0	41.3	61.9	
119	31.4	26.0	39.0	

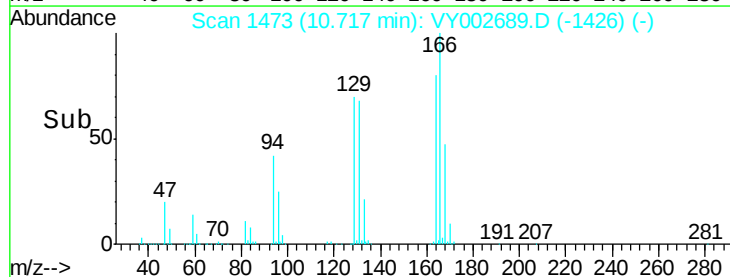
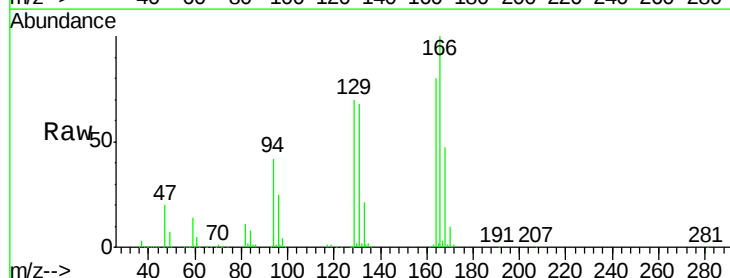
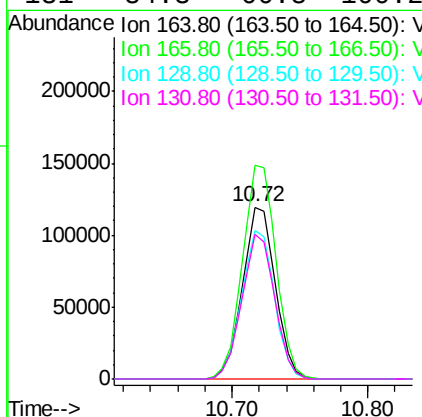
Manual Integrations
APPROVED

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5/14/2020 12:17:14 PM



#64
Tetrachloroethene
Concen: 56.047 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201224		
166	124.3	100.7	151.1	
129	86.7	68.3	102.5	
131	84.3	66.8	100.2	





#65

Chlorobenzene

Concen: 50.121 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 385011

Ion Ratio Lower Upper

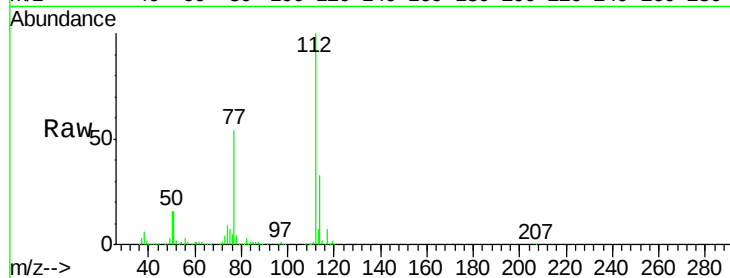
112 100

114 32.5 25.8 38.6

Manual Integrations
APPROVED

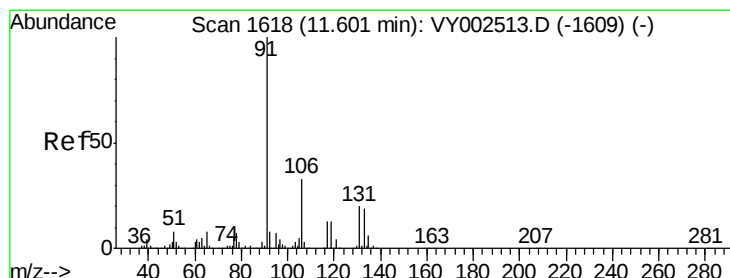
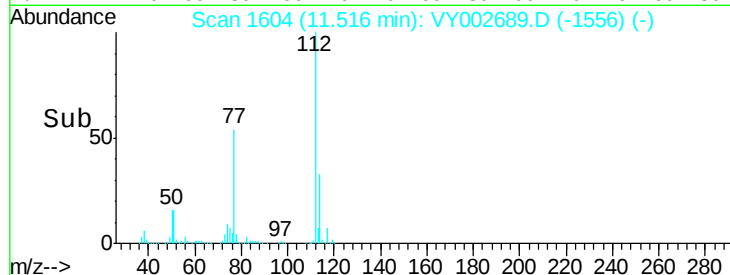
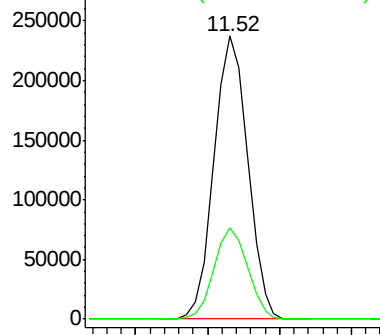
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.734 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

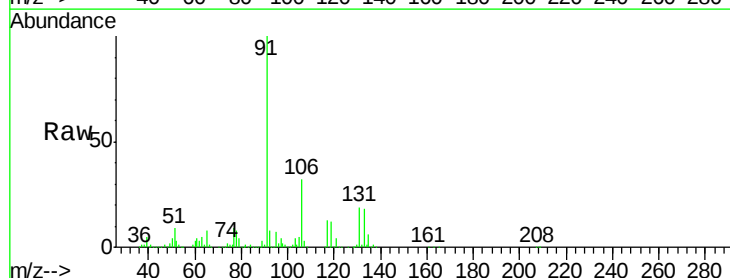
Tgt Ion:131 Resp: 136110

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

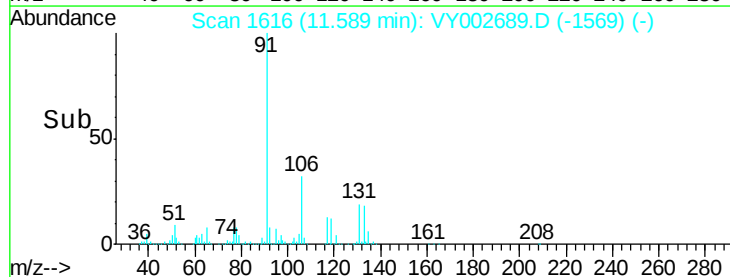
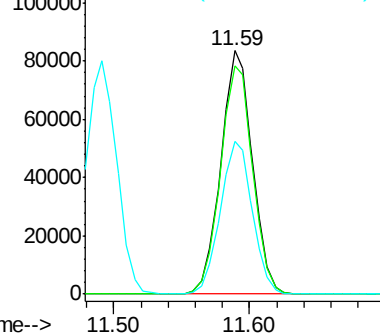
119 63.5 31.6 95.0

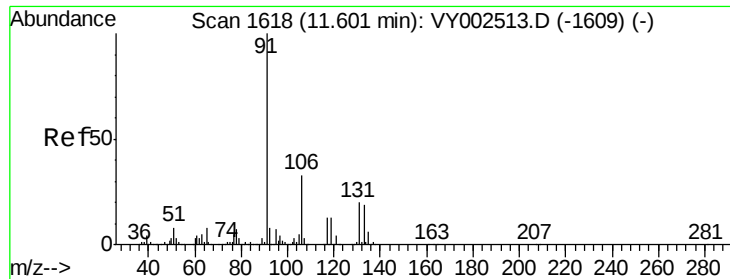


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





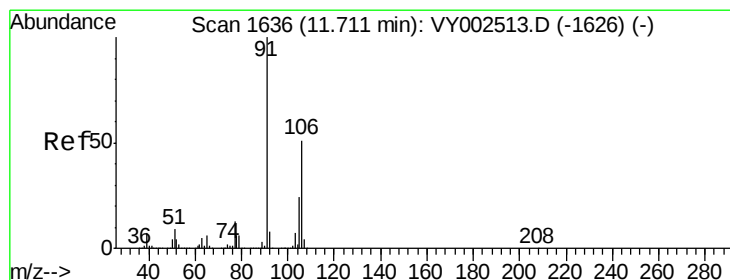
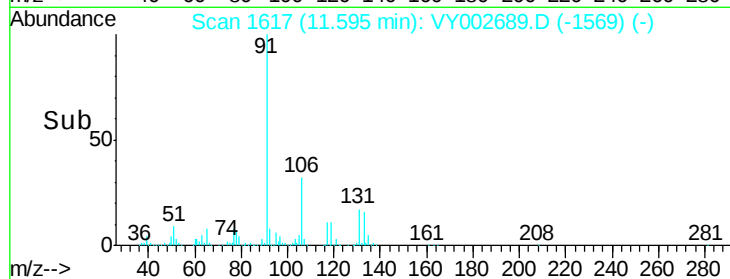
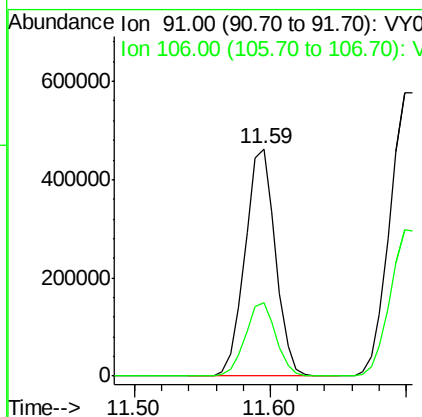
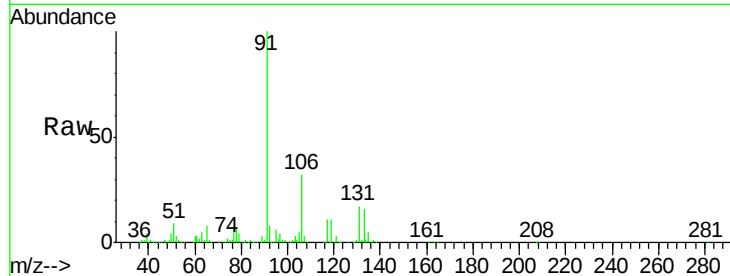
#67
Ethyl Benzene
Concen: 53.559 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.4	26.1	39.1

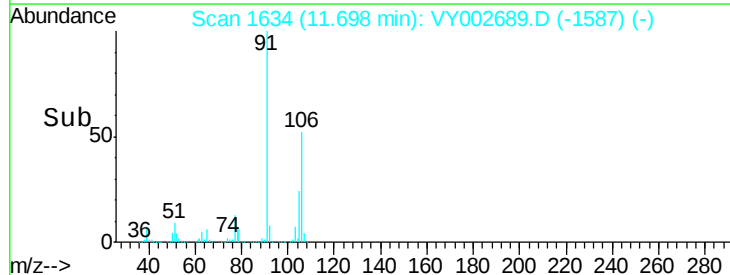
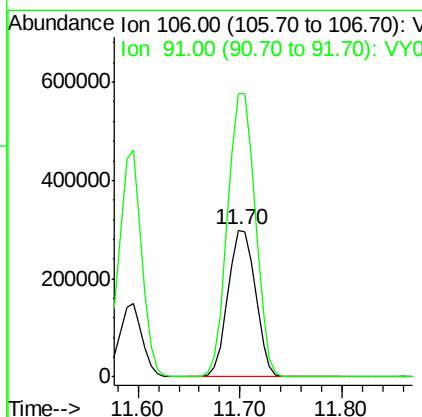
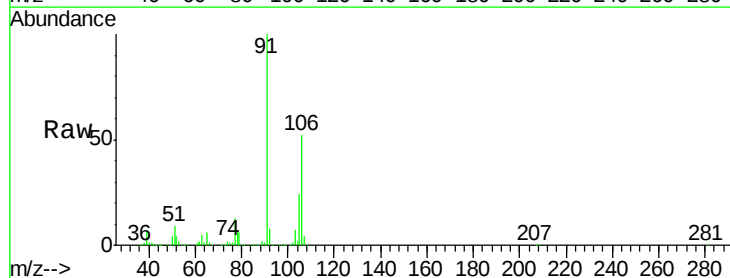
Manual Integrations
APPROVED

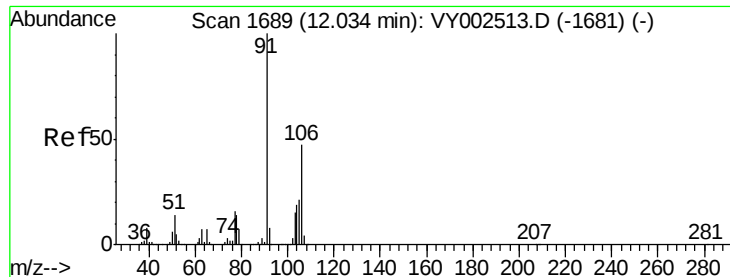
MMDadoda
5/14/2020 12:17:14 PM



#68
m/p-Xylenes
Concen: 106.608 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.9	155.2	232.8





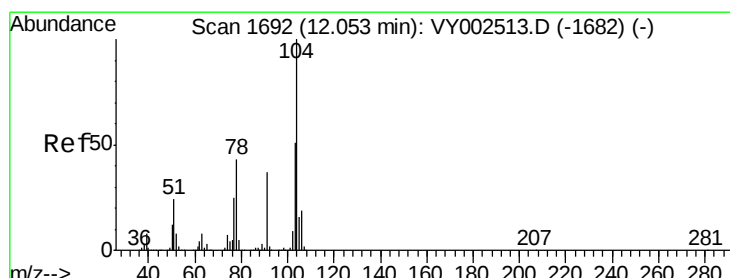
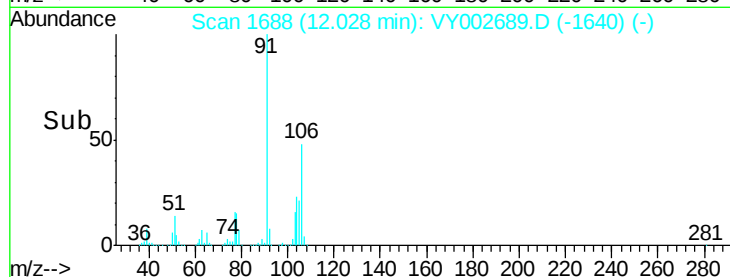
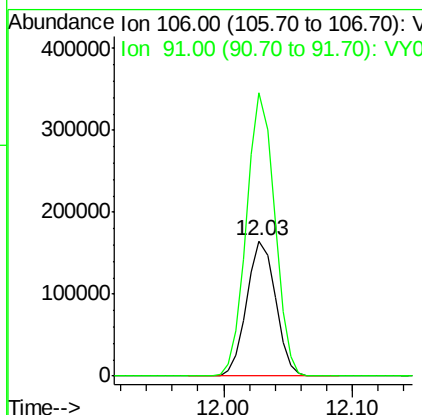
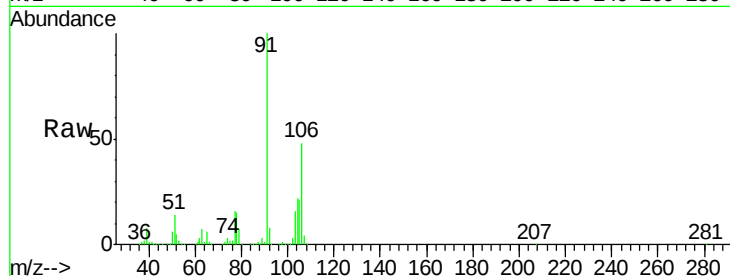
#69
o-Xylene
Concen: 52.101 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		254690		
91	205.0	103.8	311.3		

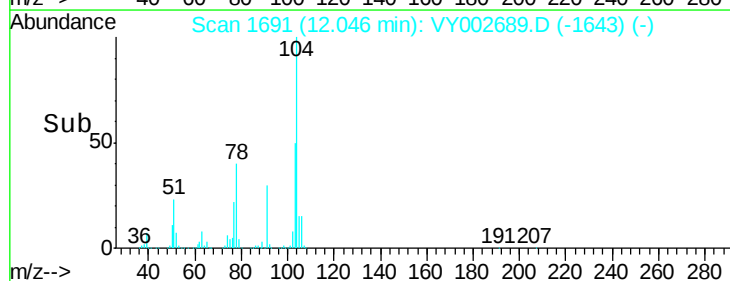
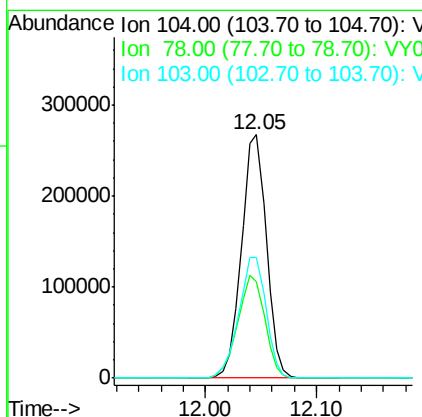
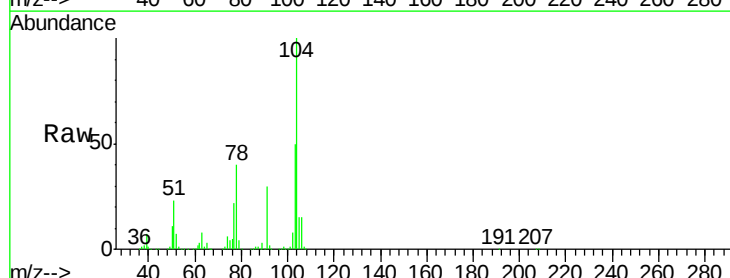
Manual Integrations
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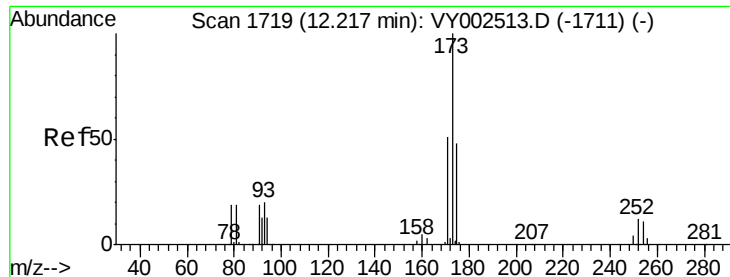
MMDadoda
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#70
Styrene
Concen: 49.743 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		415697		
78	46.0	37.4	56.0		
103	54.5	43.9	65.9		





#71

Bromoform

Concen: 35.448 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62736

Ion Ratio Lower Upper

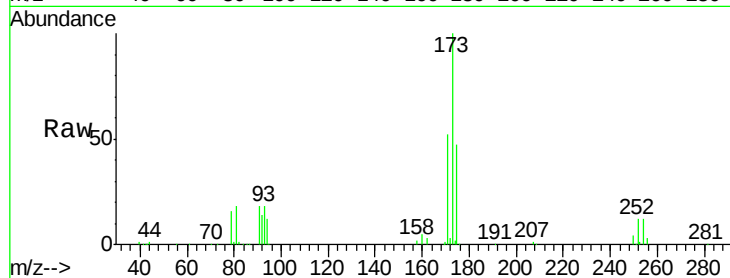
173 100

175 47.9 24.3 72.8

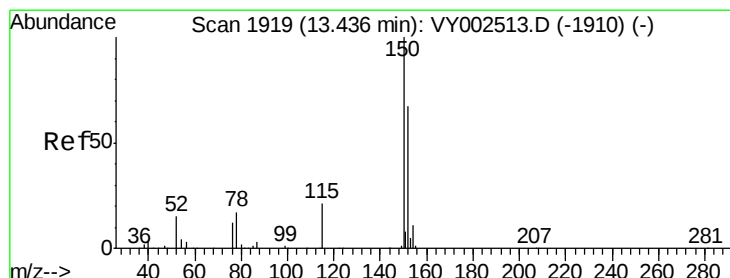
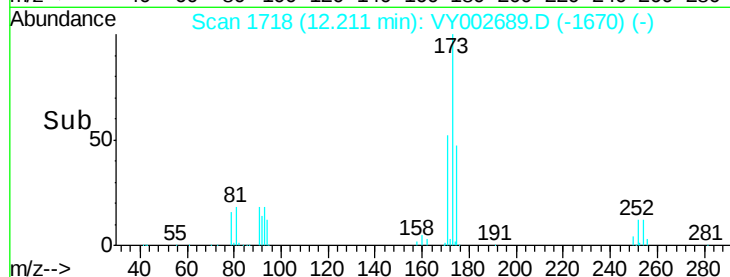
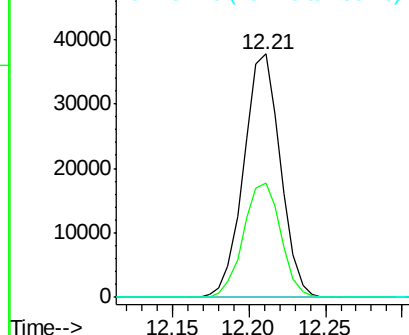
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

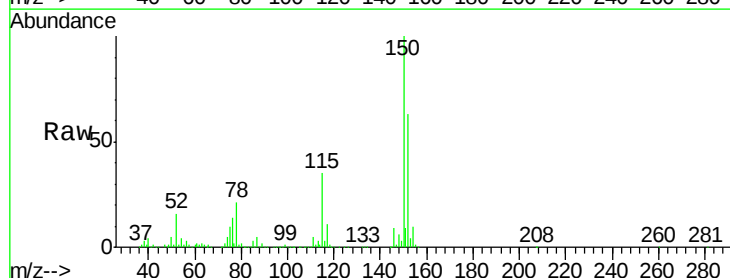
Tgt Ion:152 Resp: 197347

Ion Ratio Lower Upper

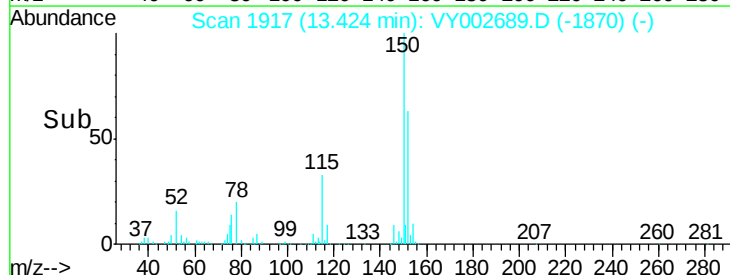
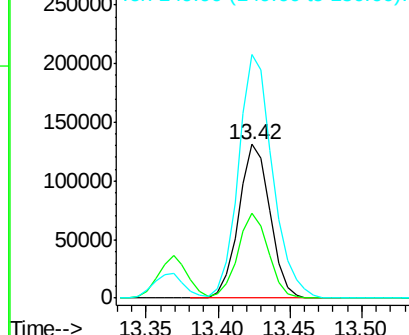
152 100

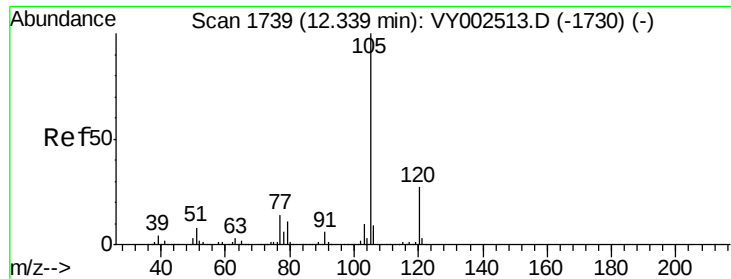
115 54.1 27.5 82.4

150 172.6 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





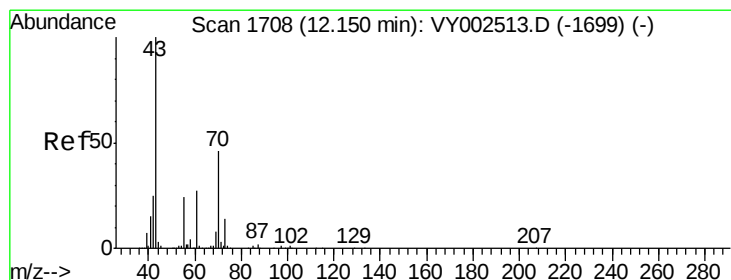
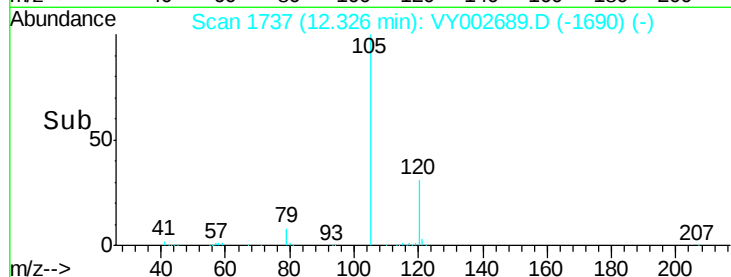
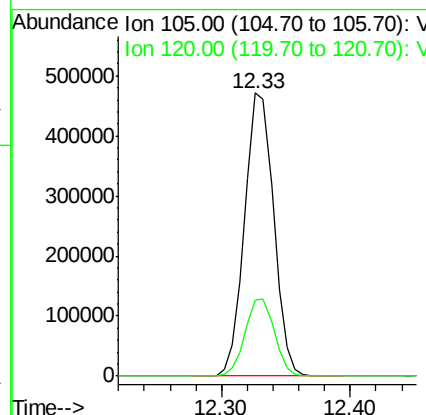
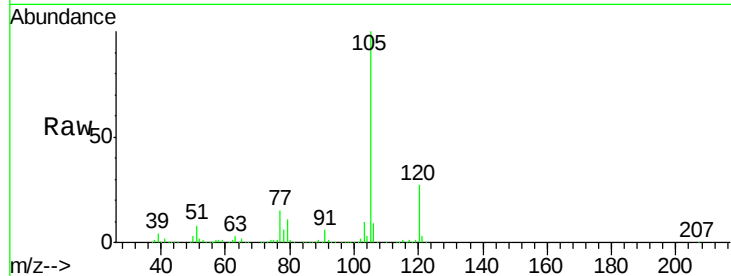
#73
Isopropylbenzene
Concen: 57.395 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.8	41.3

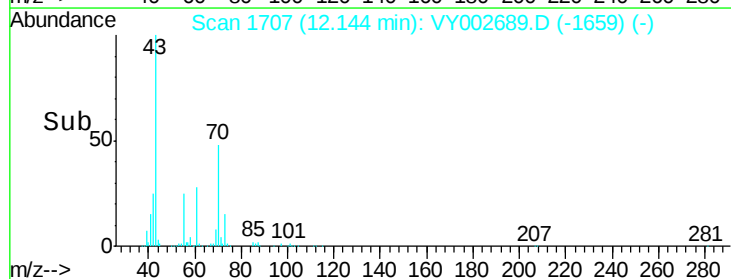
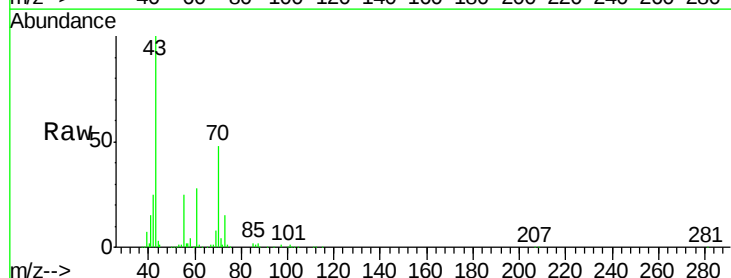
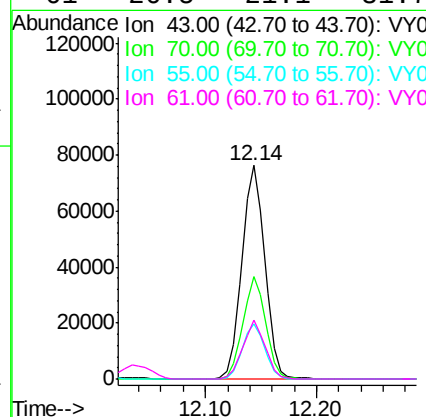
Manual Integrations
APPROVED

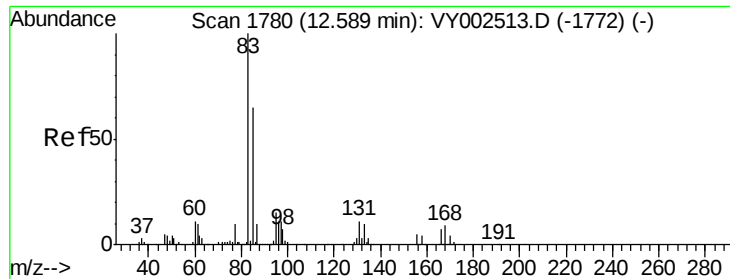
MMDadoda
5/14/2020 12:17:14 PM



#74
N-ethyl acetate
Concen: 35.445 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.3	36.7	55.1
55	25.4	19.2	28.8
61	26.5	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 32.762 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

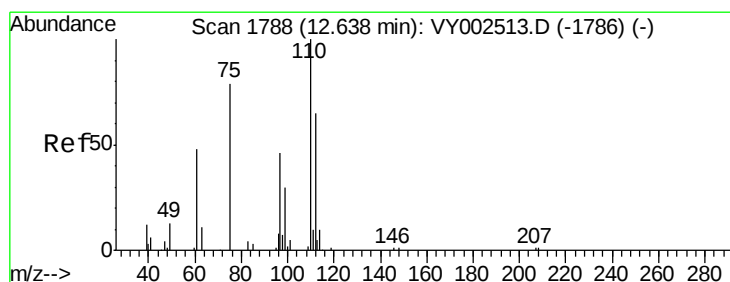
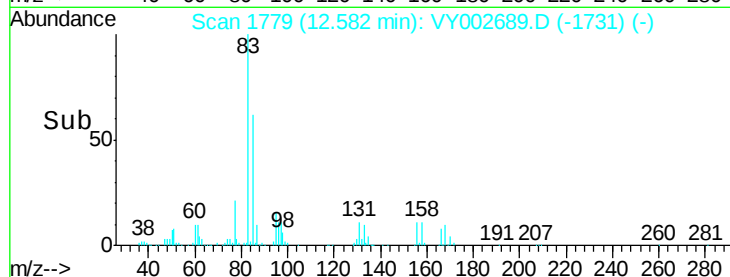
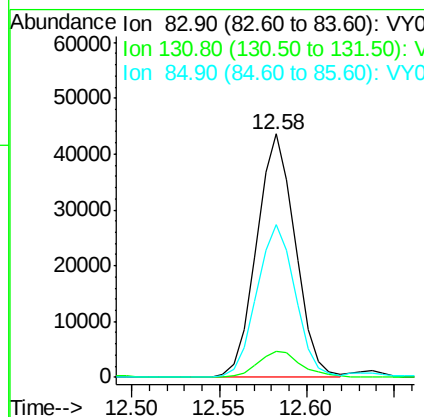
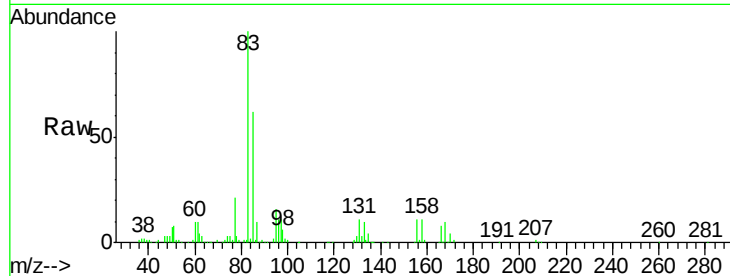
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	66640
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.8
85	62.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 32.818 ug/l m

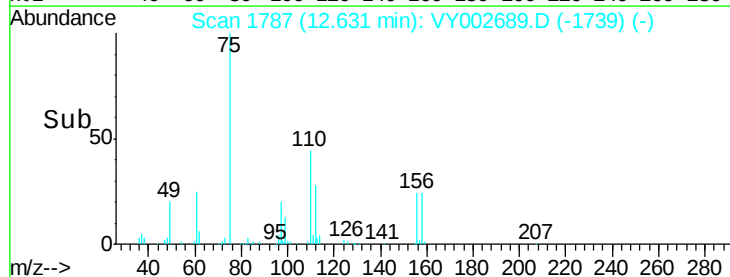
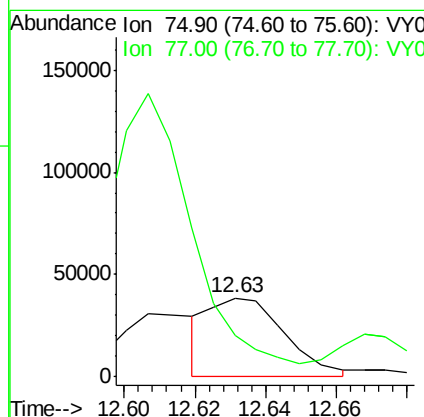
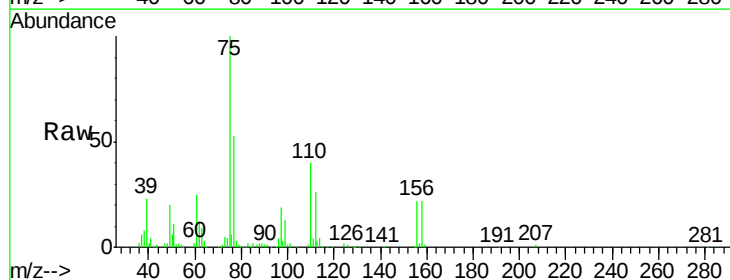
RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion:	75	Resp:	57554
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.127 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

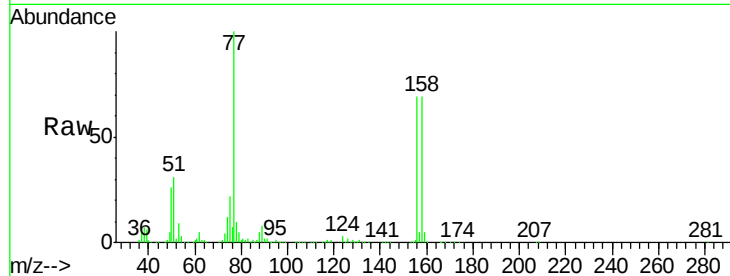
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	153787
Ion Ratio	Lower	Upper	
156	100		
77	154.3	82.0	245.8
158	98.8	48.5	145.6

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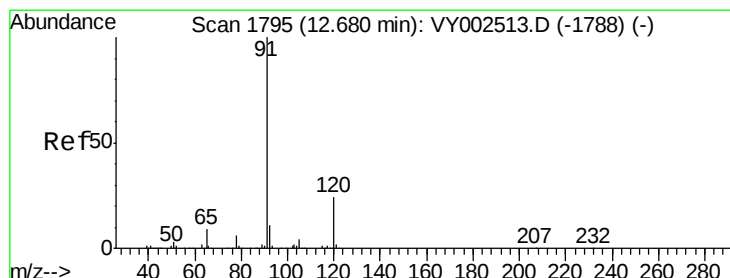
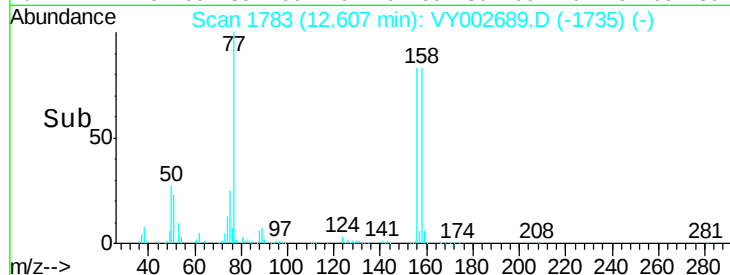
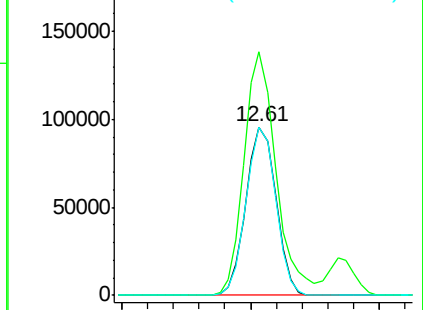
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.058 ug/l

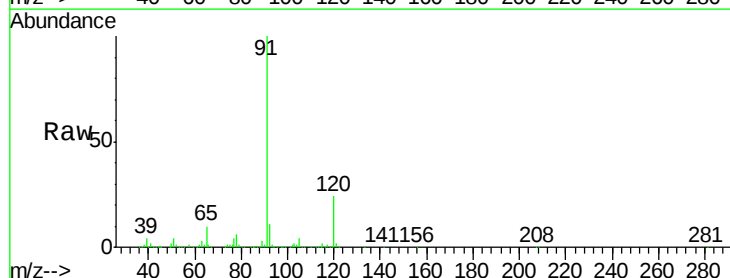
RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY002689.D

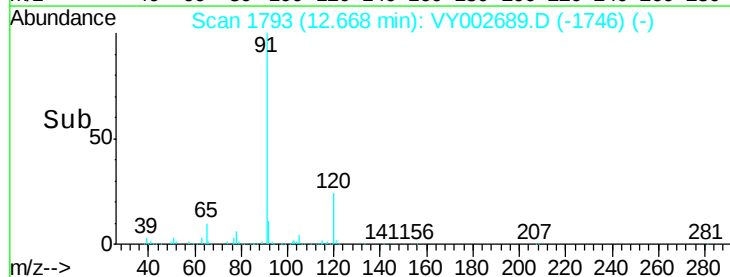
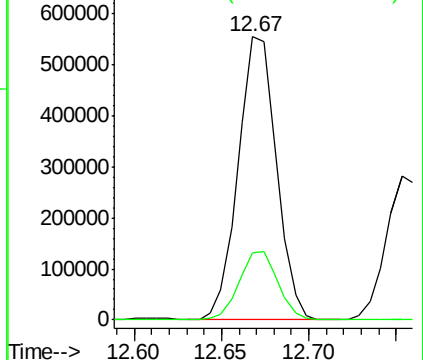
Acq: 13 May 2020 16:53

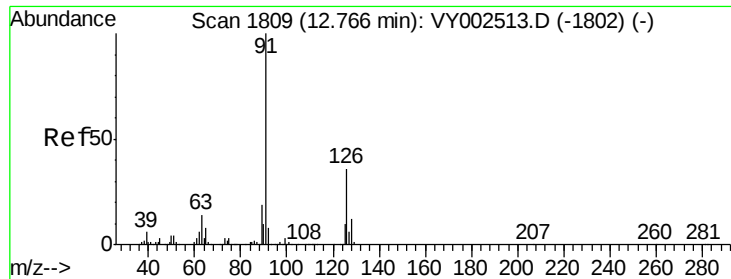
Tgt Ion:	91	Resp:	846890
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.155 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 445248

Ion Ratio Lower Upper

91 100

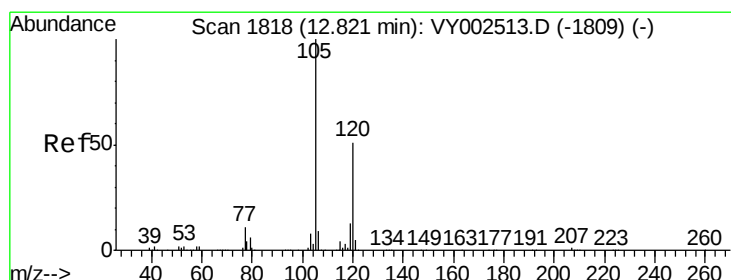
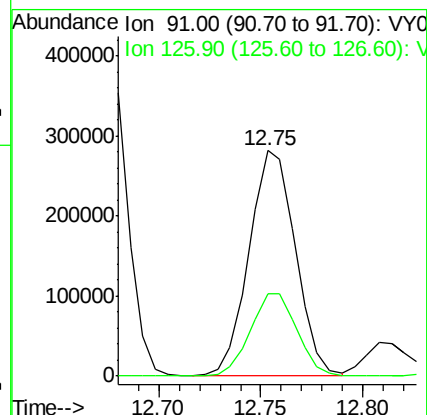
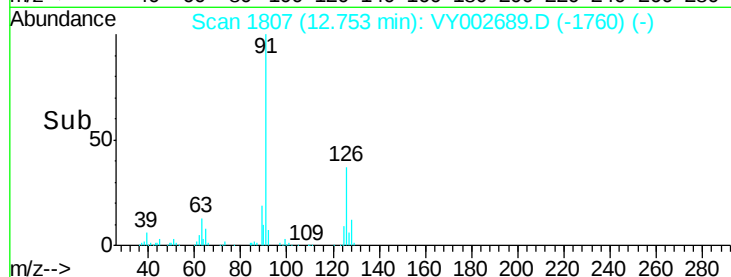
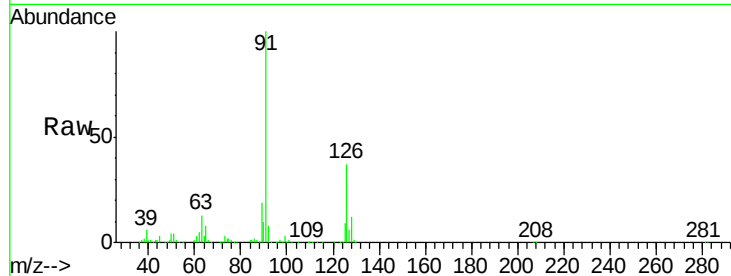
126 36.8 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 56.263 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002689.D

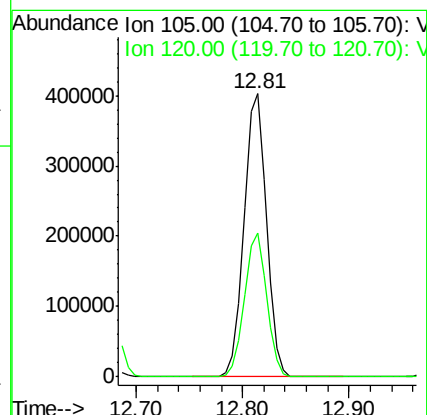
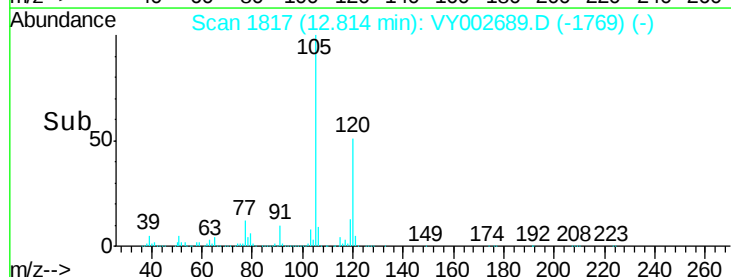
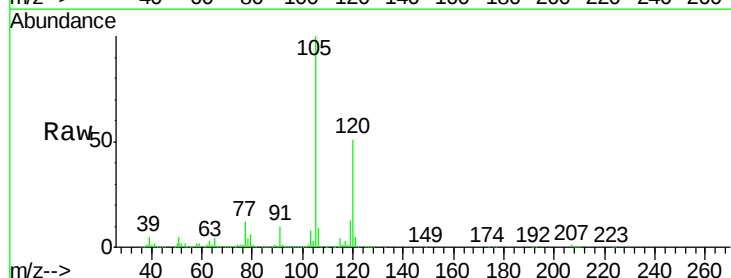
Acq: 13 May 2020 16:53

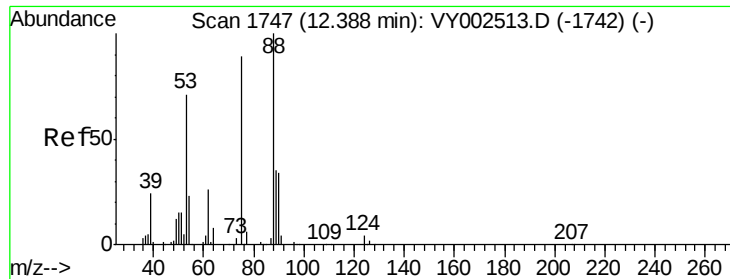
Tgt Ion: 105 Resp: 596499

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9





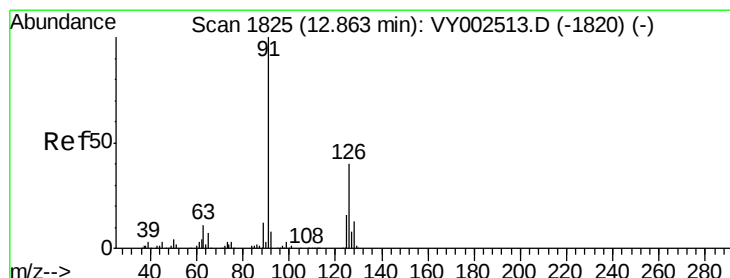
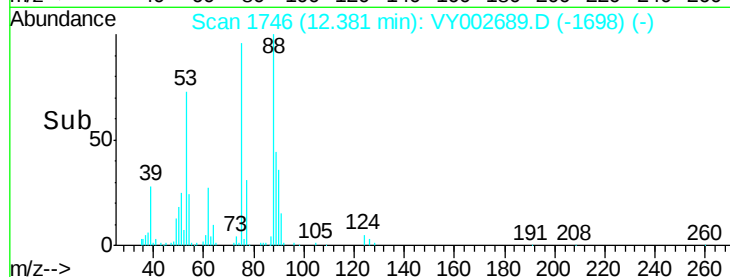
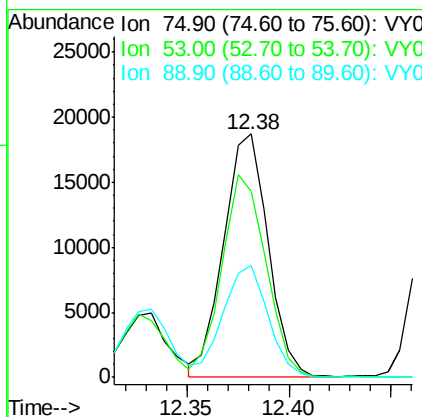
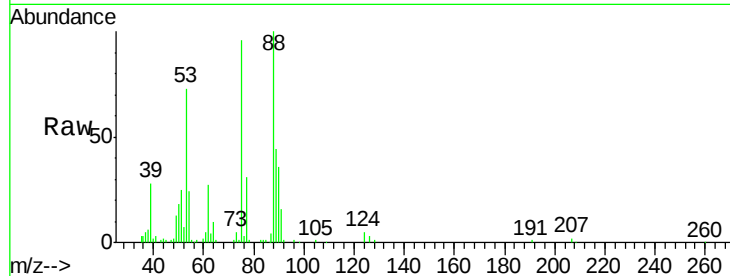
#81
trans-1,4-Dichloro-2-butene
Concen: 32.092 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.4	67.4	101.0
89	47.2	37.4	56.0

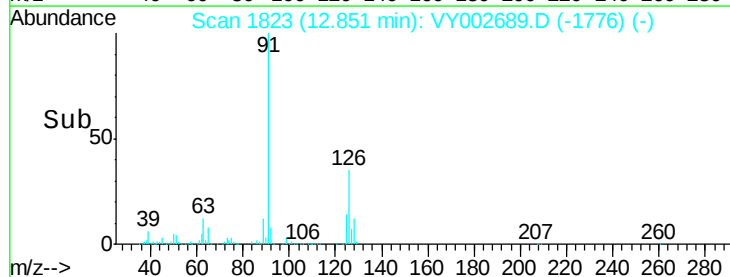
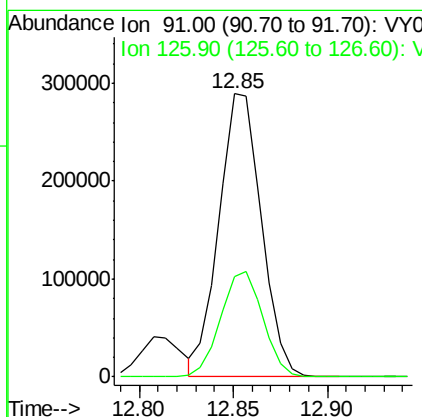
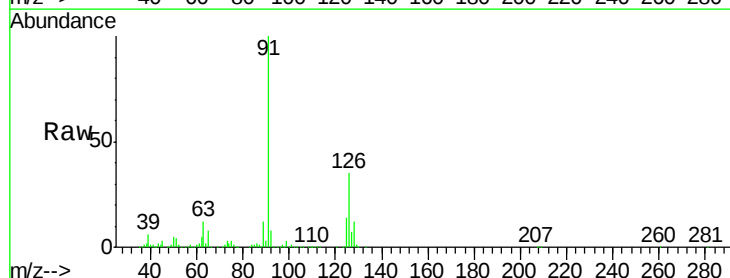
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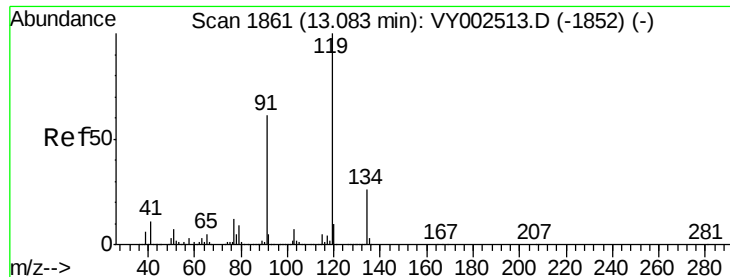
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#82
4-Chlorotoluene
Concen: 52.315 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.5	55.5





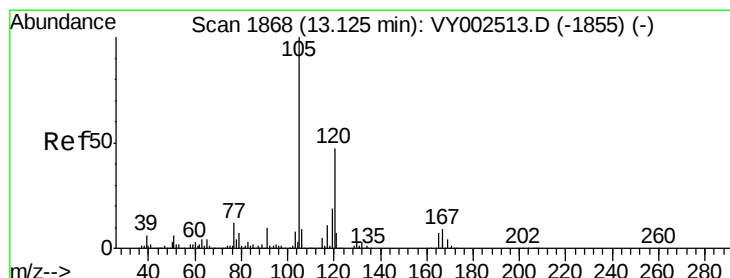
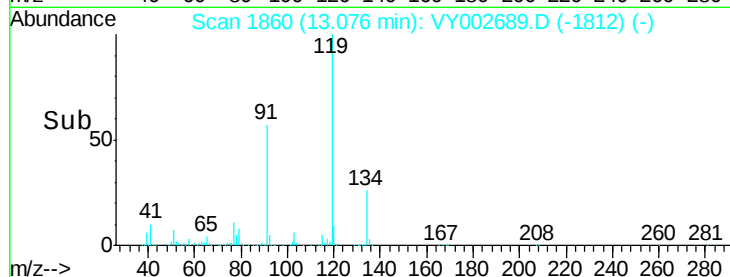
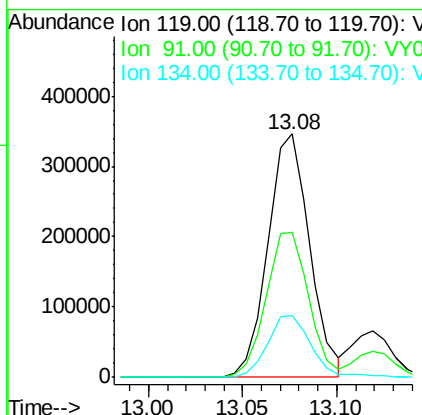
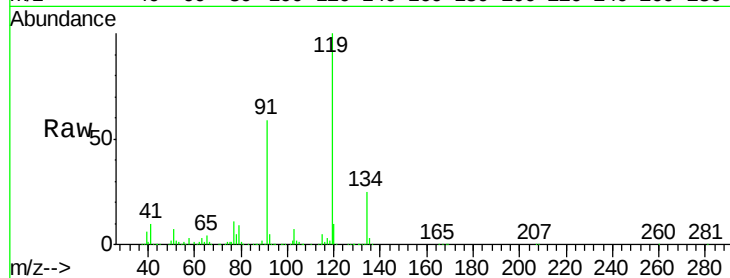
#83
tert-Butylbenzene
Concen: 57.256 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.6	91.6
134	26.5	13.5	40.4

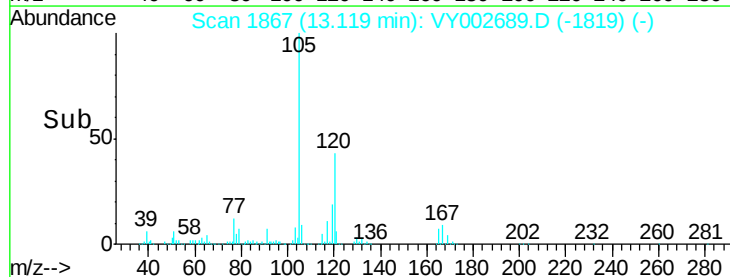
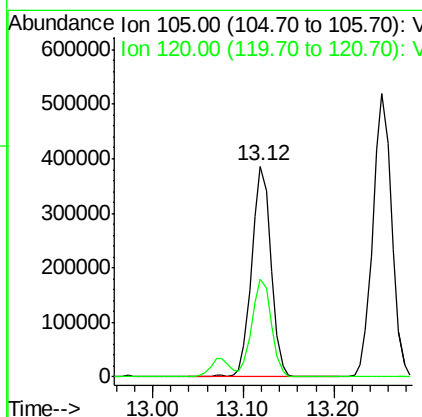
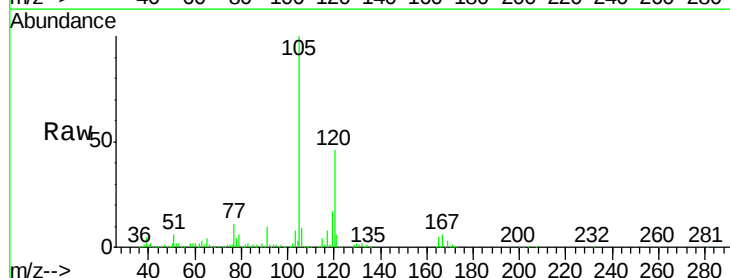
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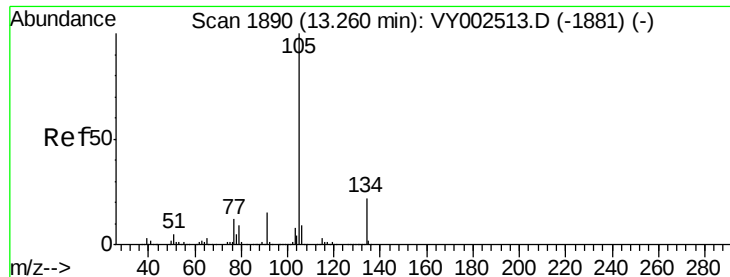
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#84
1,2,4-Trimethylbenzene
Concen: 53.993 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 57.880 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 746616

Ion Ratio Lower Upper

105 100

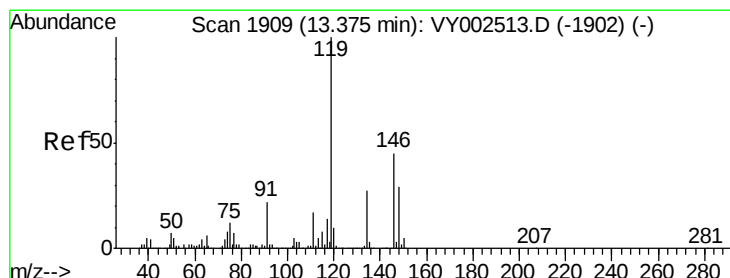
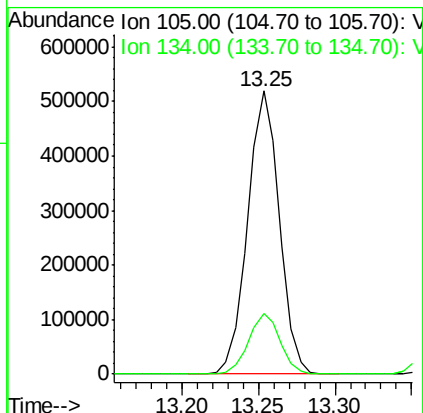
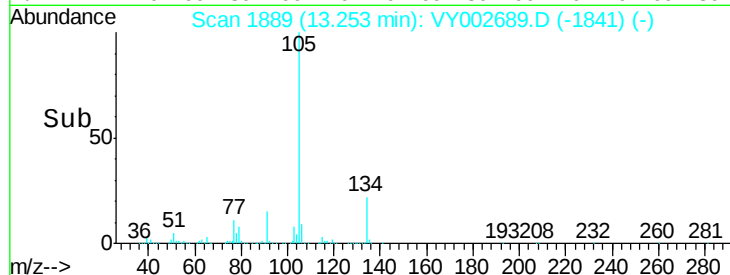
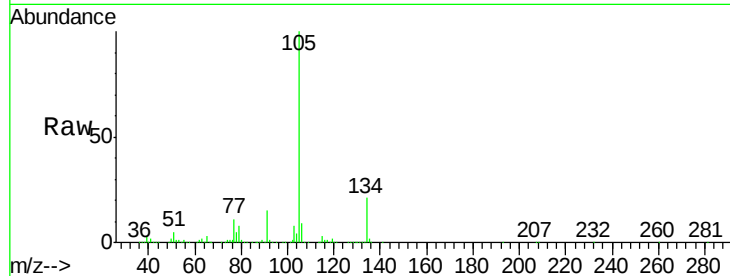
134 21.5 10.8 32.3

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#86

p-Isopropyltoluene

Concen: 56.629 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

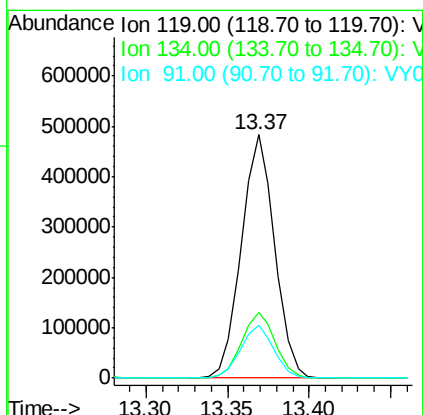
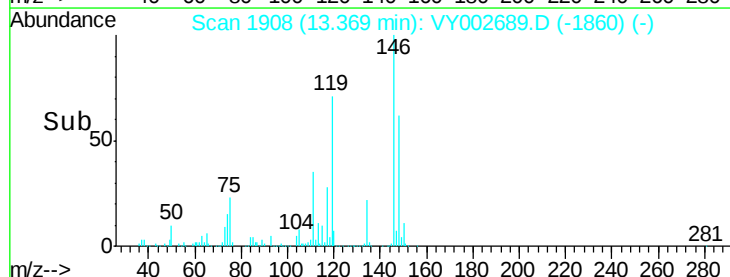
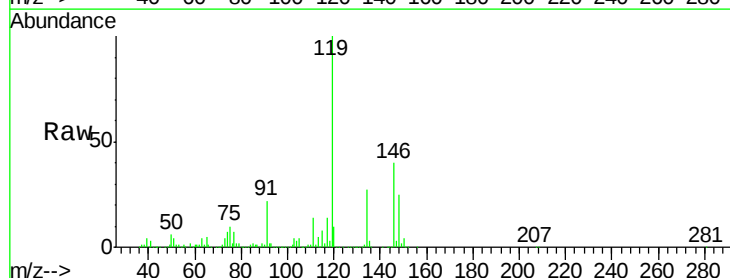
Tgt Ion:119 Resp: 684451

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.6 10.9 32.9





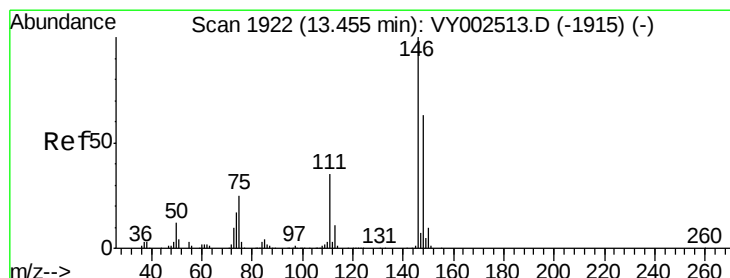
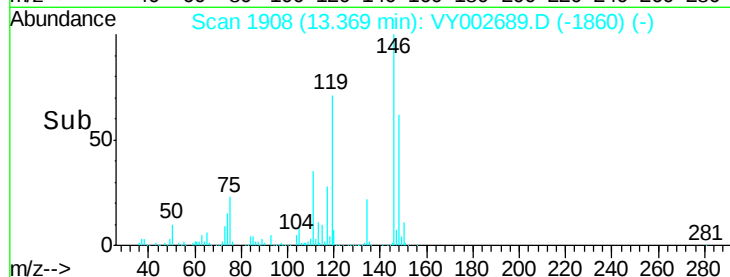
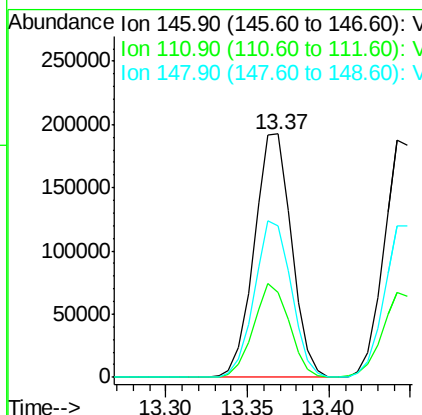
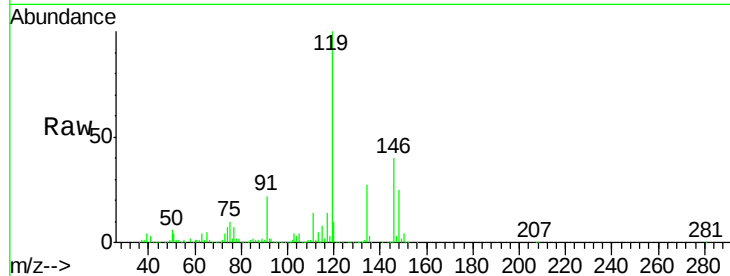
#87
 1,3-Dichlorobenzene
 Concen: 50.598 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	306011		
111	37.1	18.8	56.3	
148	63.9	32.1	96.3	

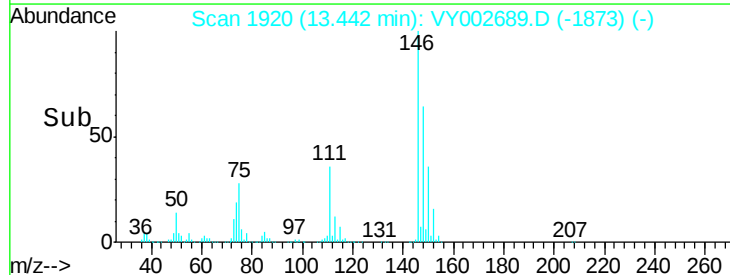
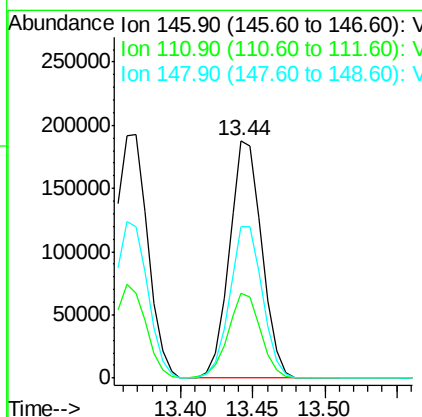
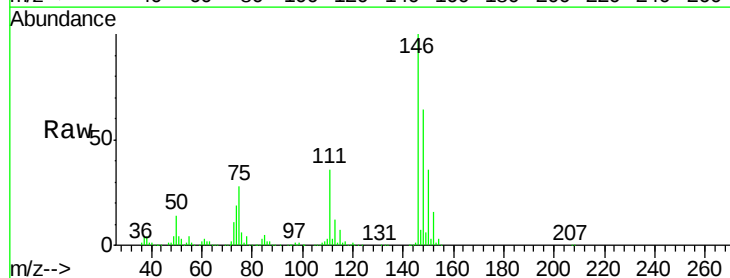
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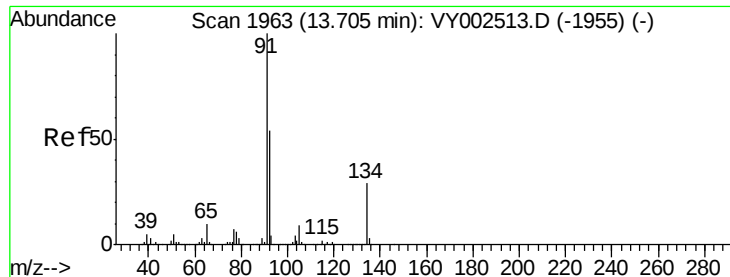
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#88
 1,4-Dichlorobenzene
 Concen: 49.351 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295543		
111	35.9	18.1	54.1	
148	64.6	31.9	95.5	





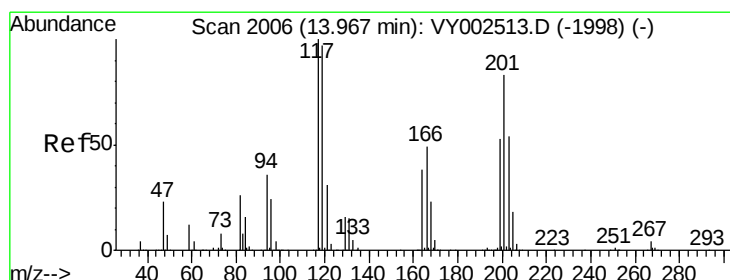
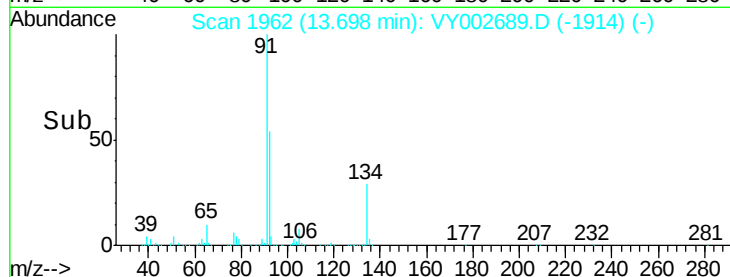
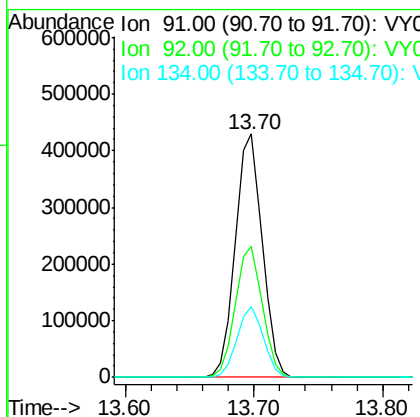
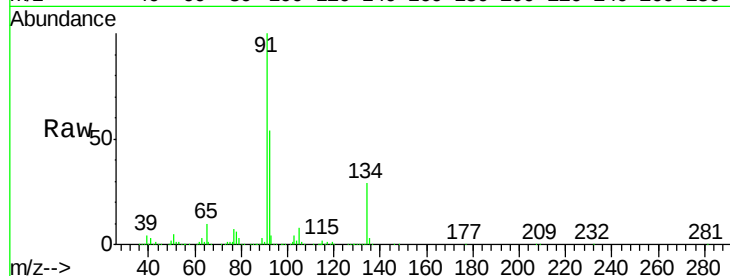
#89
n-Butylbenzene
Concen: 56.793 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.3
134	28.5	14.4	43.0

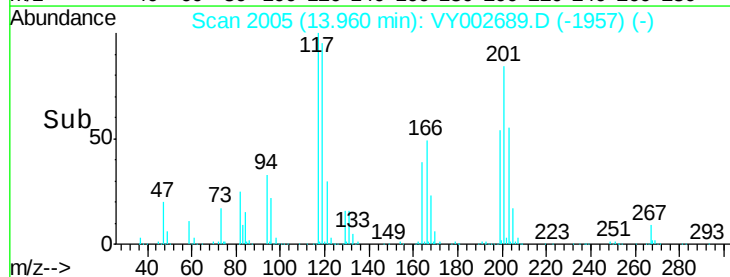
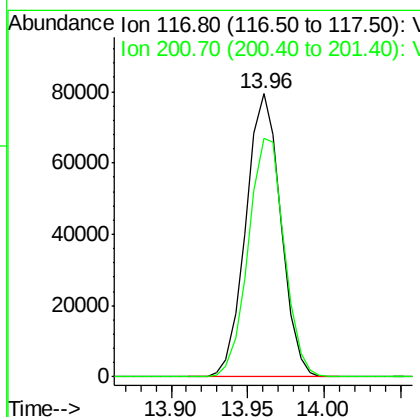
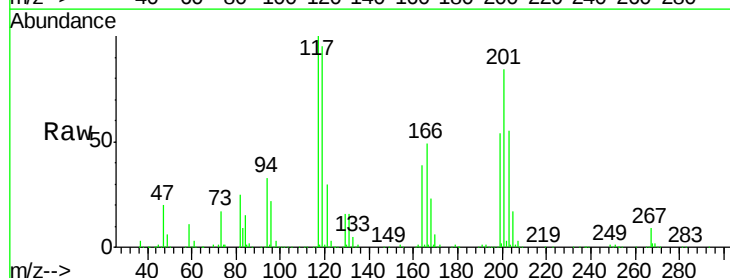
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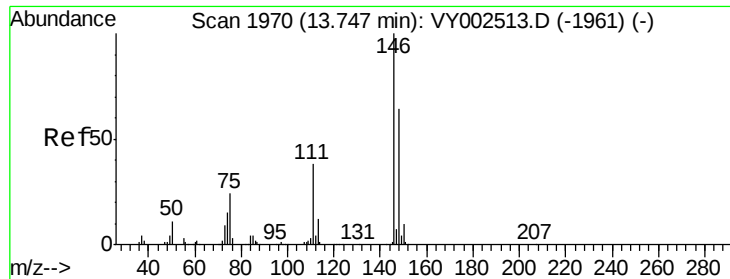
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#90
Hexachloroethane
Concen: 57.389 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 46.889 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Instrument :

MSVOA_Y

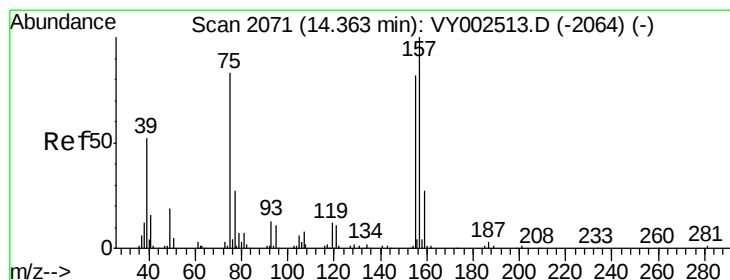
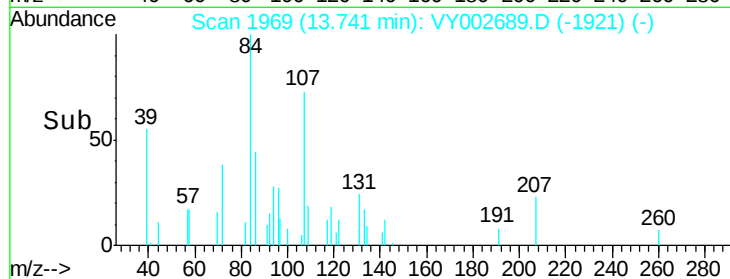
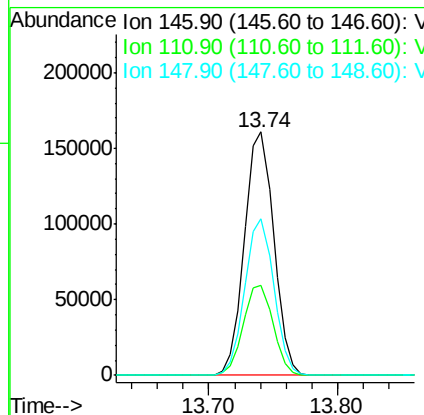
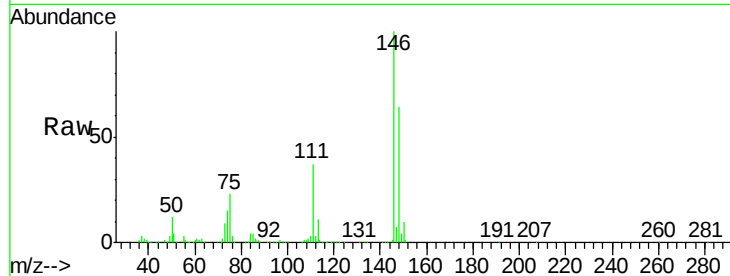
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	253039
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.1	57.5
148	63.7	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 27.450 ug/l

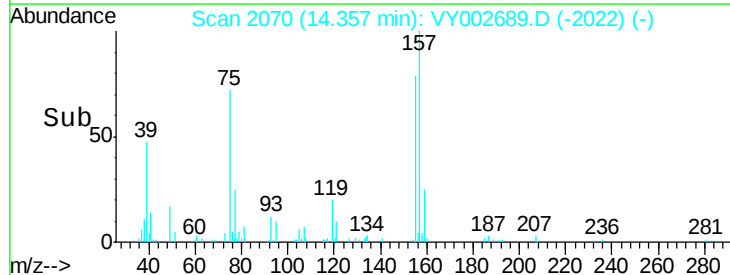
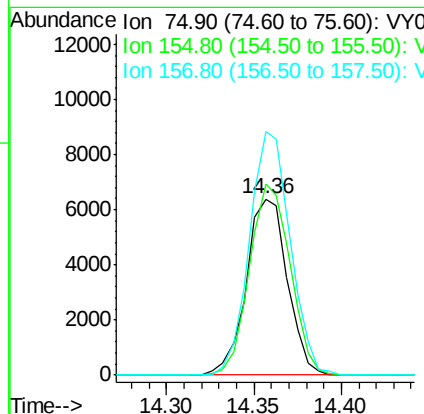
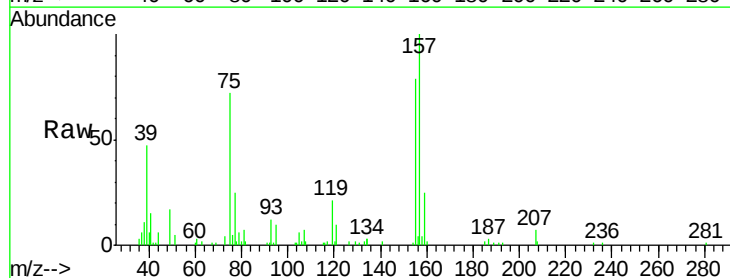
RT: 14.36 min Scan# 2070

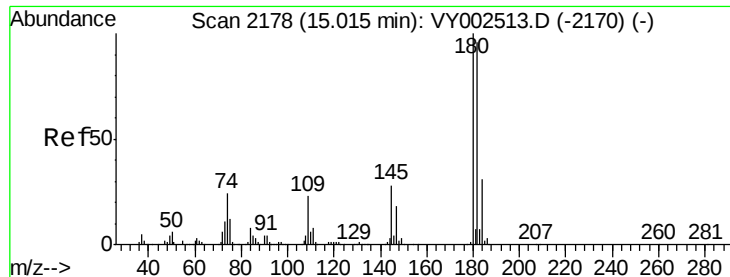
Delta R.T. -0.01 min

Lab File: VY002689.D

Acq: 13 May 2020 16:53

Tgt Ion:	75	Resp:	10408
Ion Ratio	Lower	Upper	
75	100		
155	107.9	51.3	153.9
157	137.0	65.0	195.0





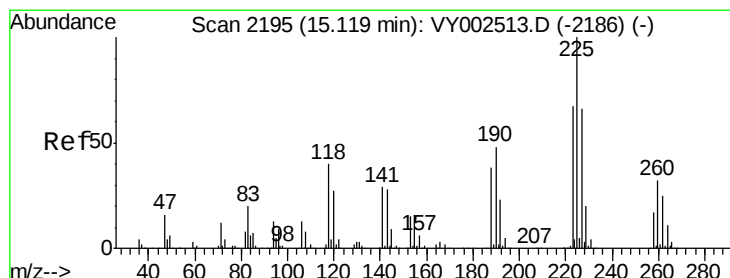
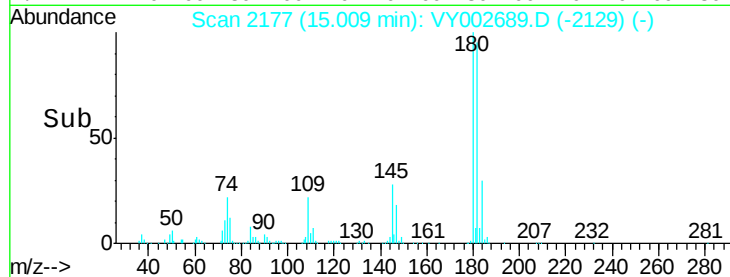
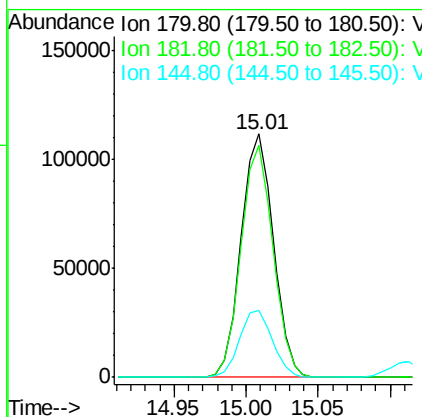
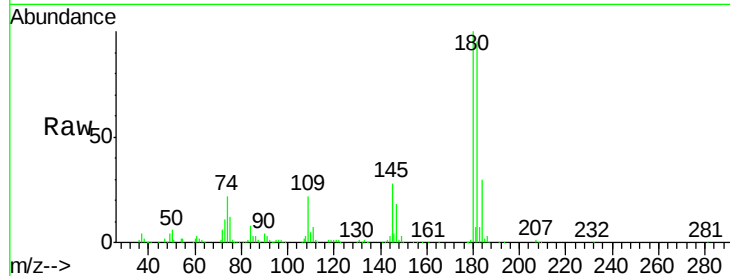
#93
 1,2,4-Trichlorobenzene
 Concen: 44.383 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173893		
182	94.4	47.9	143.6	
145	28.0	14.4	43.0	

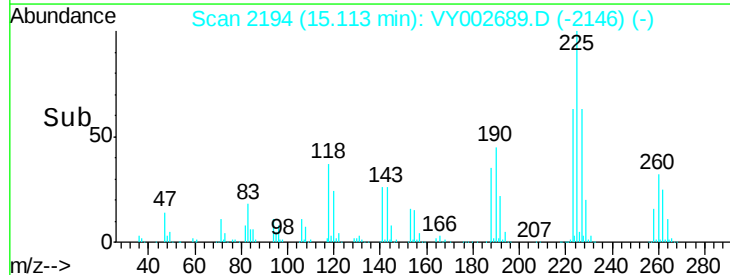
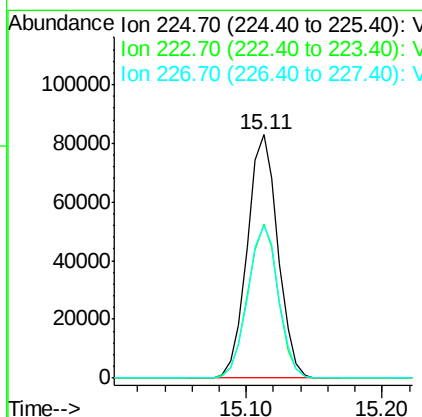
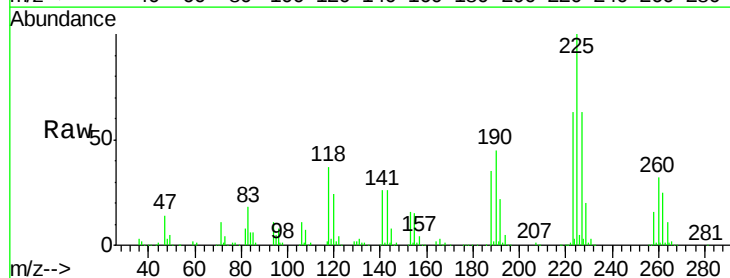
Manual Integrations
 APPROVED

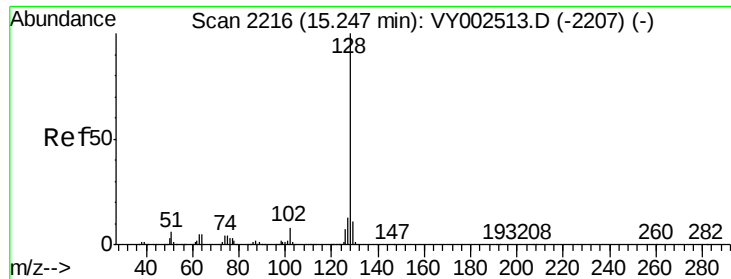
MMDadoda
 5/14/2020 12:17:14 PM



#94
 Hexachlorobutadiene
 Concen: 55.520 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002689.D
 Acq: 13 May 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130571		
223	63.0	32.1	96.5	
227	63.2	32.0	96.2	





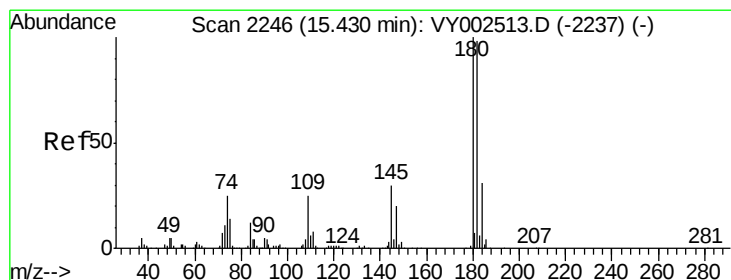
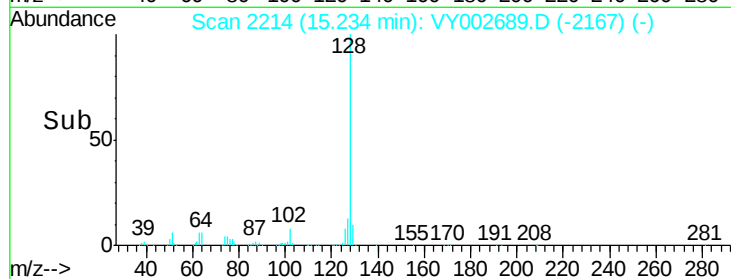
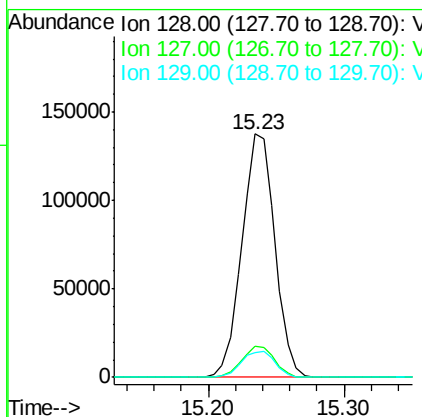
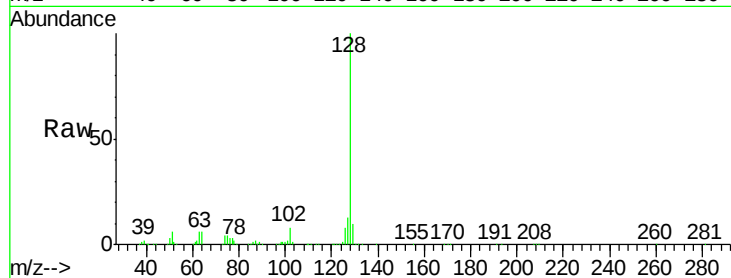
#95
Naphthalene
Concen: 32.574 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	232817
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:17:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 39.434 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY002689.D
Acq: 13 May 2020 16:53

Tgt Ion:	180	Resp:	131159
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.8
145	30.1	15.0	45.1

