

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002719.D
 Acq On : 20 May 2020 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:14:35 PM

Quant Time: May 21 03:18:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	431182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	641994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	569163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	290681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	163846	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.72	113	179127	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.18	98	708331	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.48	95	235387	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	157507	50.978	ug/l	99
3) Chloromethane	2.12	50	174810	49.402	ug/l	100
4) Vinyl Chloride	2.26	62	191711	51.993	ug/l	98
5) Bromomethane	2.65	94	130966	47.923	ug/l	98
6) Chloroethane	2.80	64	118008	50.048	ug/l	99
7) Trichlorofluoromethane	3.13	101	318291	51.222	ug/l	98
8) Diethyl Ether	3.54	74	108016	51.099	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	196723	52.226	ug/l	100
10) Methyl Iodide	4.10	142	276517	53.333	ug/l	100
11) Tert butyl alcohol	4.96	59	77971	227.637	ug/l	99
12) 1,1-Dichloroethene	3.88	96	194707	51.481	ug/l	98
13) Acrolein	3.74	56	111165	276.706	ug/l	99
14) Allyl chloride	4.49	41	285376	52.558	ug/l	98
15) Acrylonitrile	5.17	53	236246	246.825	ug/l	100
16) Acetone	3.95	43	155135	223.127	ug/l	97
17) Carbon Disulfide	4.20	76	601520	50.704	ug/l	99
18) Methyl Acetate	4.48	43	98586	49.731	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	477195	50.867	ug/l	99
20) Methylene Chloride	4.72	84	202129	48.094	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	212924	50.629	ug/l	99
22) Diisopropyl ether	6.13	45	561202	52.096	ug/l	97
23) Vinyl Acetate	6.07	43	1762265	255.479	ug/l	99
24) 1,1-Dichloroethane	6.02	63	336178	52.225	ug/l	99
25) 2-Butanone	6.99	43	267656	232.670	ug/l	99
26) 2,2-Dichloropropane	6.99	77	310799	51.892	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	233830	51.456	ug/l	99
28) Bromochloromethane	7.34	49	124975	49.078	ug/l	99
29) Tetrahydrofuran	7.35	42	191088	244.140	ug/l	99
30) Chloroform	7.51	83	342438	51.256	ug/l	97
31) Cyclohexane	7.78	56	324954	49.773	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	319271	51.719	ug/l	100
36) 1,1-Dichloropropene	7.92	75	279197	51.372	ug/l	100
37) Ethyl Acetate	7.08	43	130465	48.807	ug/l	99
38) Carbon Tetrachloride	7.90	117	298143	51.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	375416	51.373	ug/l	99
40) Benzene	8.16	78	809274	51.034	ug/l	99
41) Methacrylonitrile	7.33	41	87889m	54.726	ug/l	
42) 1,2-Dichloroethane	8.24	62	205325	49.093	ug/l	98
43) Isopropyl Acetate	8.28	43	251914	50.710	ug/l	100
44) Trichloroethene	8.94	130	257804	51.003	ug/l	97
45) 1,2-Dichloropropane	9.22	63	192262	51.085	ug/l	99
46) Dibromomethane	9.31	93	105654	49.967	ug/l	99
47) Bromodichloromethane	9.50	83	262928	50.950	ug/l	98
48) Methyl methacrylate	9.29	41	113186	49.484	ug/l	98
49) 1,4-Dioxane	9.30	88	28083	975.157	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	636203	248.047	ug/l	100
52) Toluene	10.24	92	517521	50.430	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	280182	50.868	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	324880	50.879	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	157244	49.951	ug/l	97
56) Ethyl methacrylate	10.51	69	212075	50.604	ug/l	99
57) 1,3-Dichloropropane	10.79	76	265810	50.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	509293	246.164	ug/l	100
59) 2-Hexanone	10.83	43	434229	243.003	ug/l	99
60) Dibromochloromethane	10.99	129	203391	50.574	ug/l	100
61) 1,2-Dibromoethane	11.09	107	154849	49.927	ug/l	99
64) Tetrachloroethene	10.72	164	280789	51.964	ug/l	98
65) Chlorobenzene	11.52	112	563906	51.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	213511	52.307	ug/l	100
67) Ethyl Benzene	11.59	91	1005724	52.080	ug/l	100
68) m/p-Xylenes	11.70	106	782026	104.090	ug/l	99
69) o-Xylene	12.03	106	366778	52.014	ug/l	99
70) Styrene	12.04	104	626785	51.771	ug/l	100
71) Bromoform	12.20	173	130597	51.759	ug/l #	100
73) Isopropylbenzene	12.33	105	1002494	52.780	ug/l	99
74) N-amyl acetate	12.14	43	230613	51.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	141925	50.743	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	119526m	50.056	ug/l	
77) Bromobenzene	12.61	156	246943	52.003	ug/l	99
78) n-propylbenzene	12.67	91	1164512	52.704	ug/l	100
79) 2-Chlorotoluene	12.75	91	638234	52.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	828767	51.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65136	51.589	ug/l #	53
82) 4-Chlorotoluene	12.85	91	658602	51.305	ug/l	100
83) tert-Butylbenzene	13.08	119	739265	52.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	823864	51.653	ug/l	100
85) sec-Butylbenzene	13.25	105	1020264	52.347	ug/l	100
86) p-Isopropyltoluene	13.37	119	953943	52.289	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	467597	51.072	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	459983	50.463	ug/l	99
89) n-Butylbenzene	13.70	91	870504	51.959	ug/l	99
90) Hexachloroethane	13.96	117	175166	51.839	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	411407	50.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26324	49.078	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	304296	51.530	ug/l	99
94) Hexachlorobutadiene	15.11	225	187365	53.288	ug/l	100
95) Naphthalene	15.23	128	525267	46.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	250880	49.790	ug/l	99

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

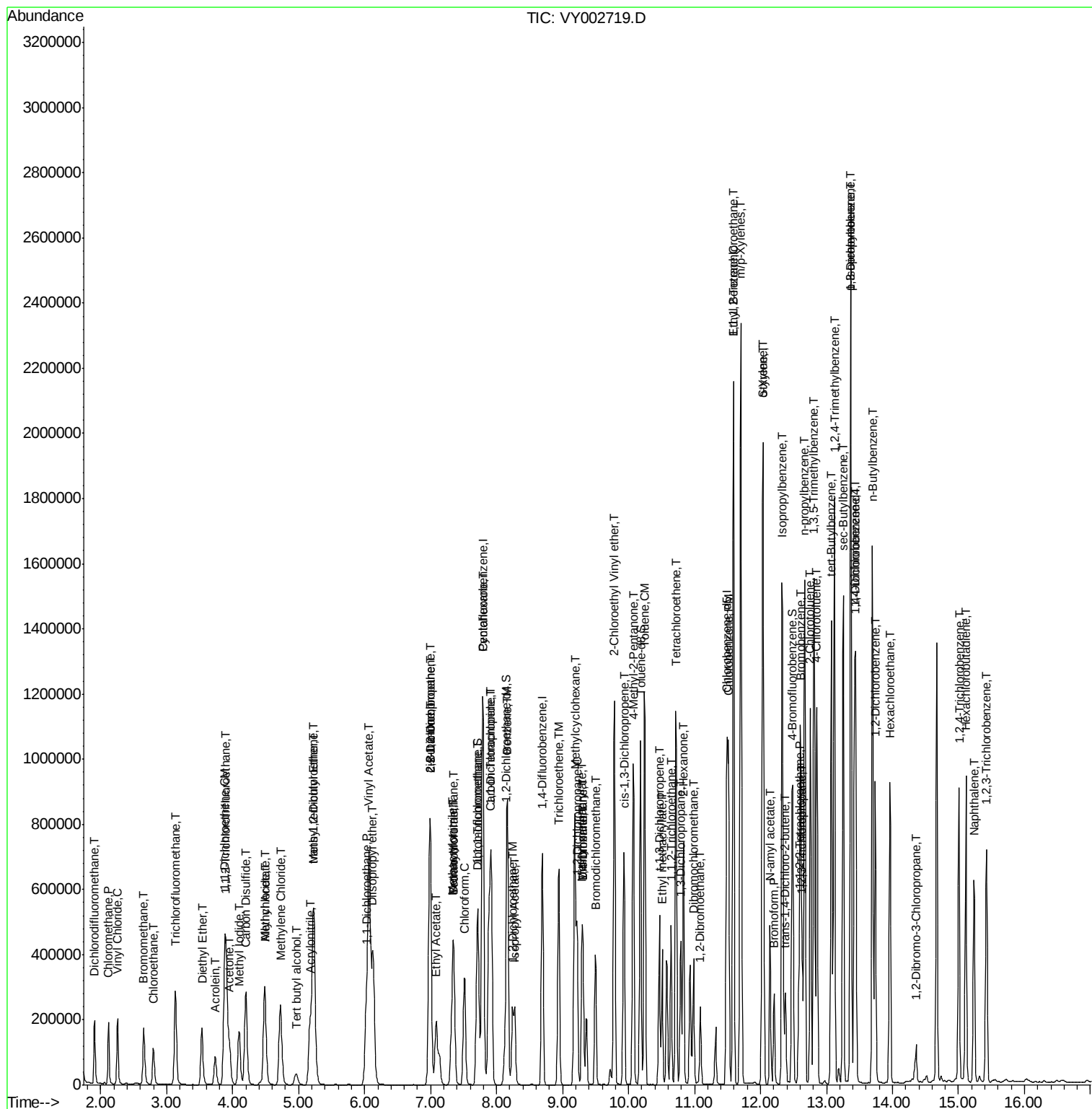
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
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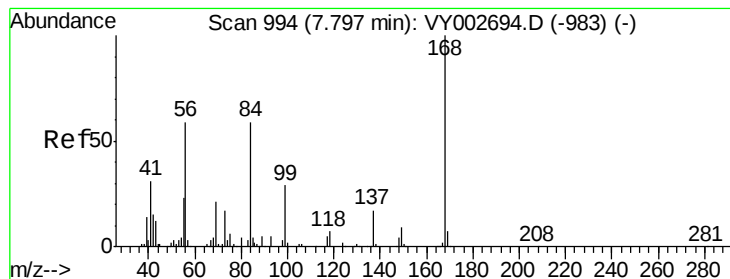
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 431182

Ion Ratio Lower Upper

168 100

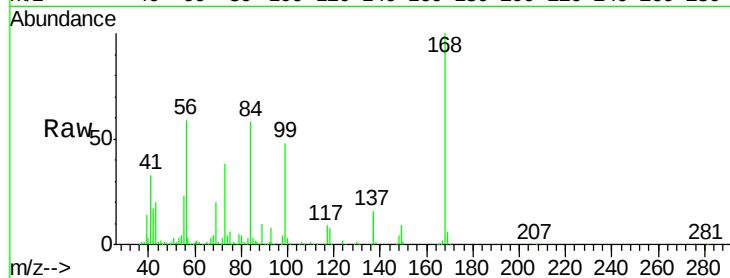
99 47.9 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002719.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002719.D (-945) (-)

7.80

200000

150000

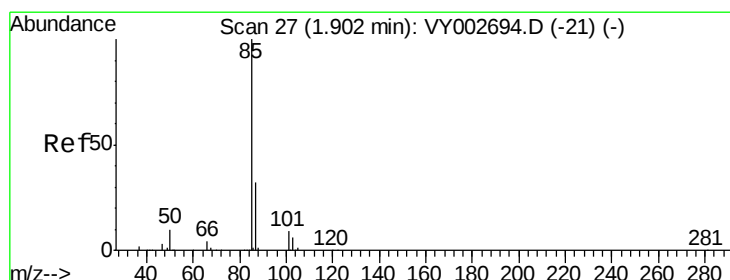
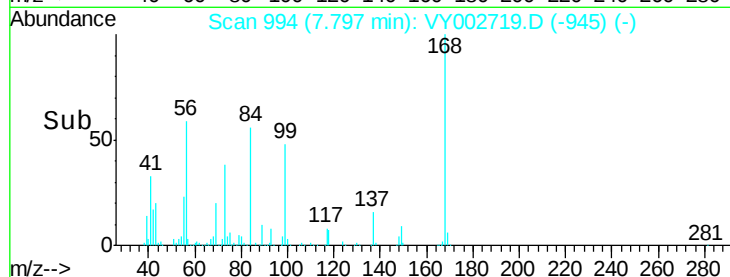
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.978 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002719.D

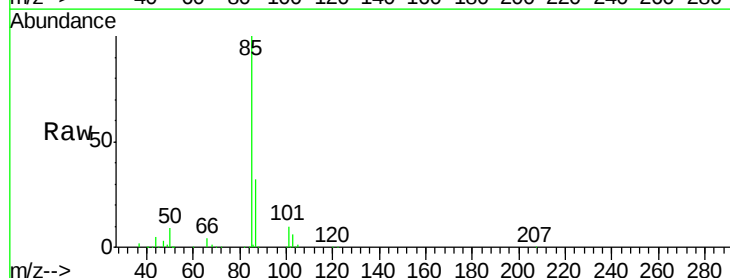
Acq: 20 May 2020 10:07

Tgt Ion: 85 Resp: 157507

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002719.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002719.D (-1) (-)

1.91

120000

100000

80000

60000

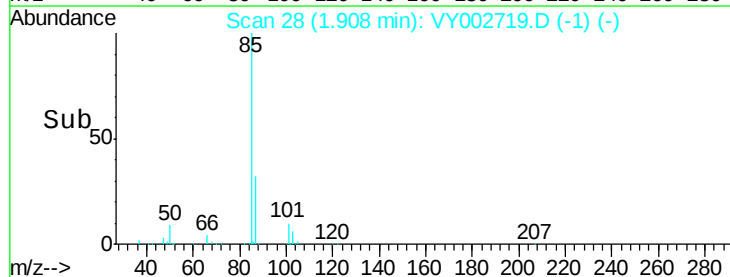
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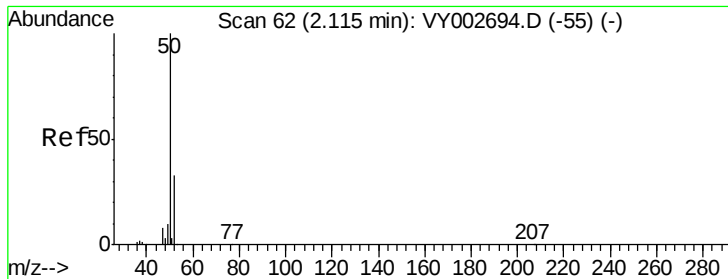
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.402 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tot Ion: 50 Resp: 174810

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5

Instrument :

MSVOA_Y

ClientSampleId :

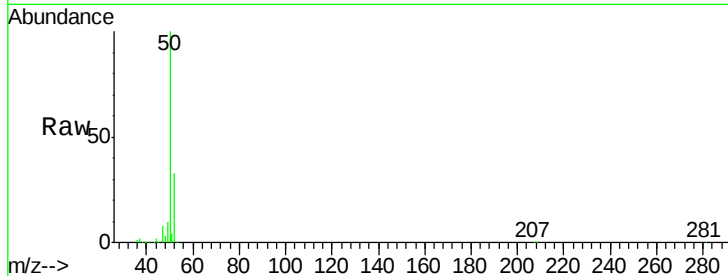
VSTDCCC050

Manual Integrations

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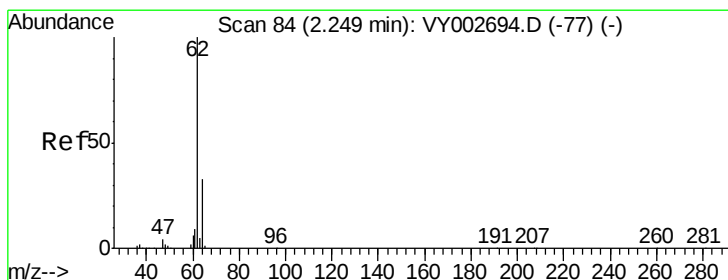
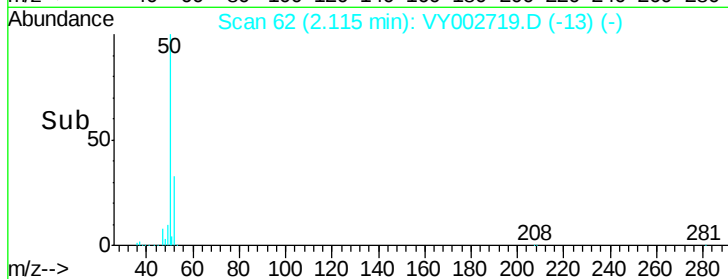
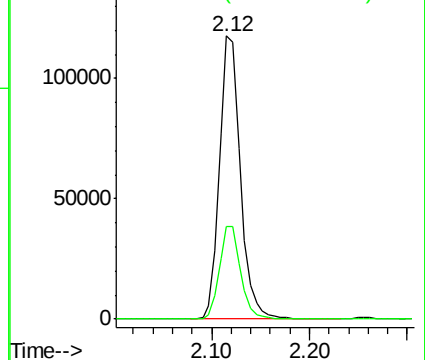
MMDadoda

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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: 51.993 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002719.D

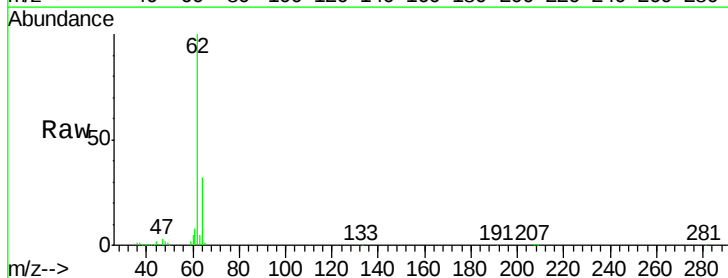
Acq: 20 May 2020 10:07

Tgt Ion: 62 Resp: 191711

Ion Ratio Lower Upper

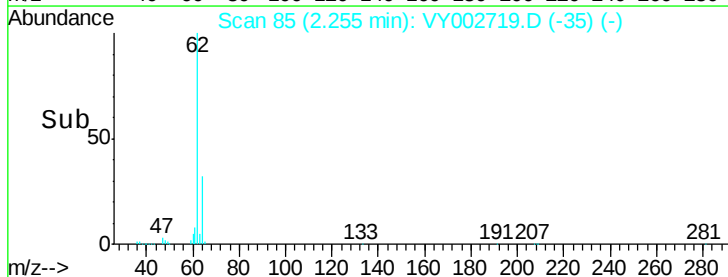
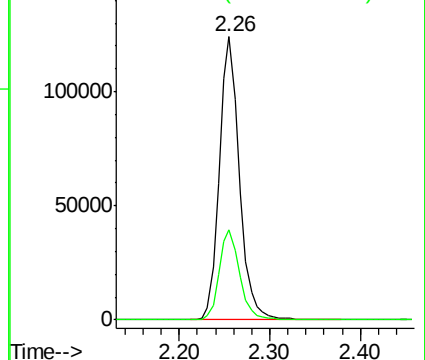
62 100

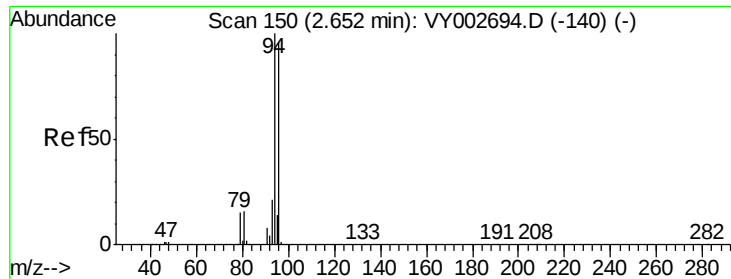
64 31.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 47.923 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 130966

Ion Ratio Lower Upper

94 100

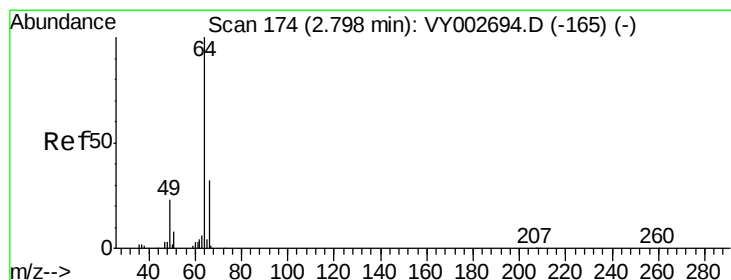
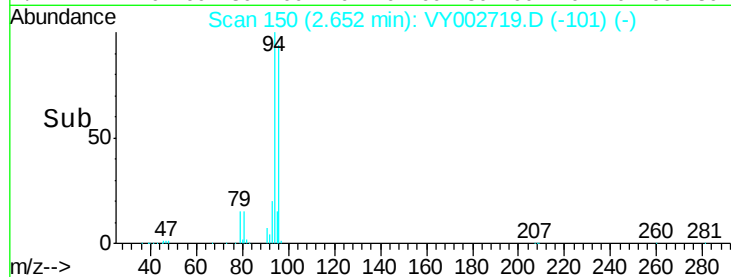
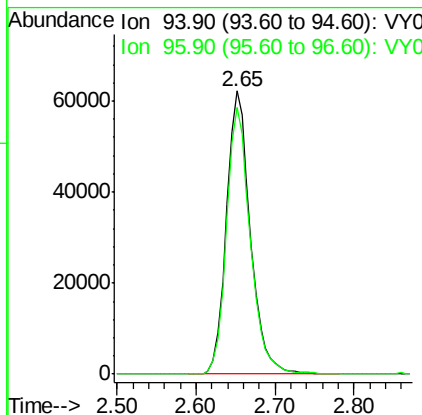
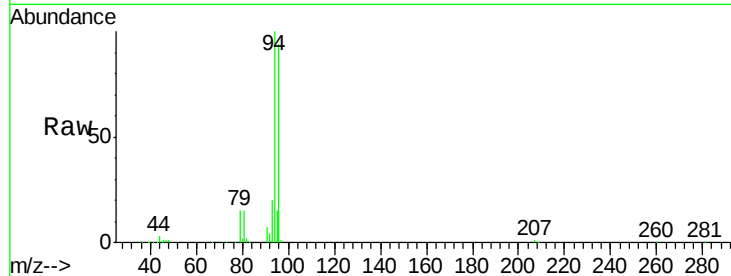
96 94.4 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 50.048 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY002719.D

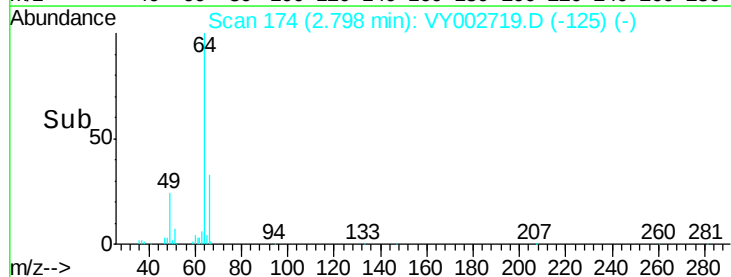
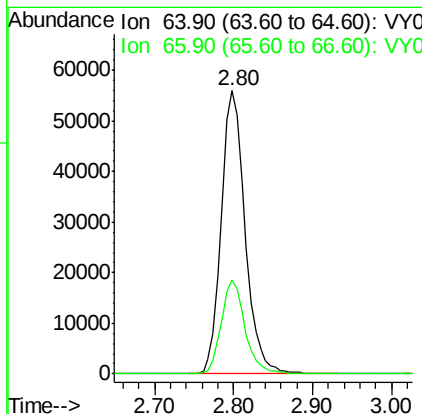
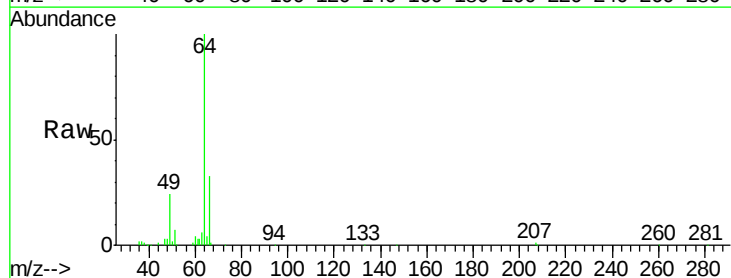
Acq: 20 May 2020 10:07

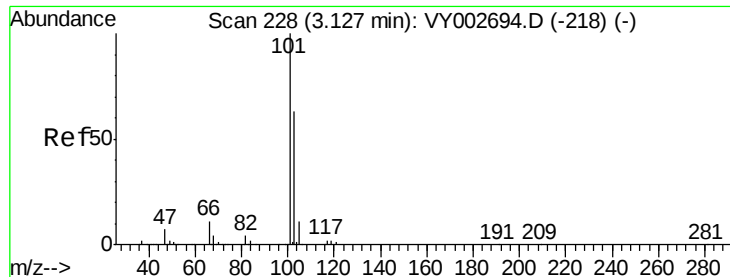
Tgt Ion: 64 Resp: 118008

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9





#7

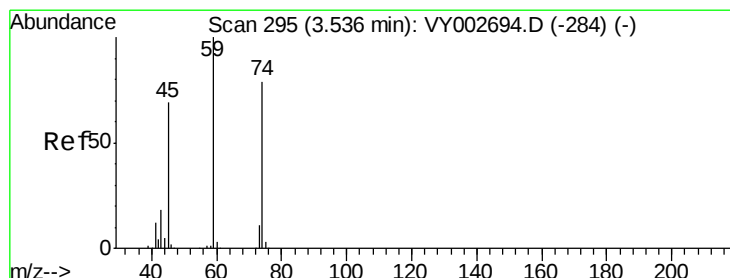
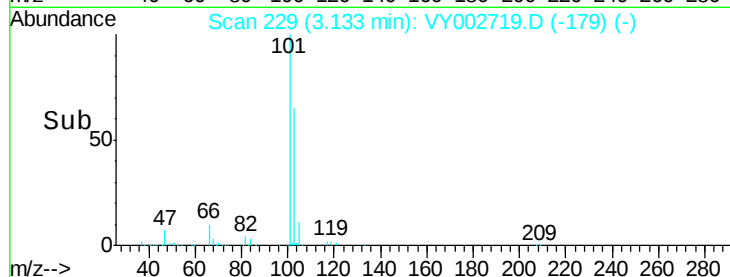
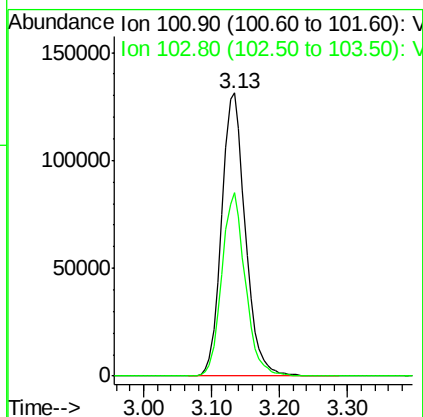
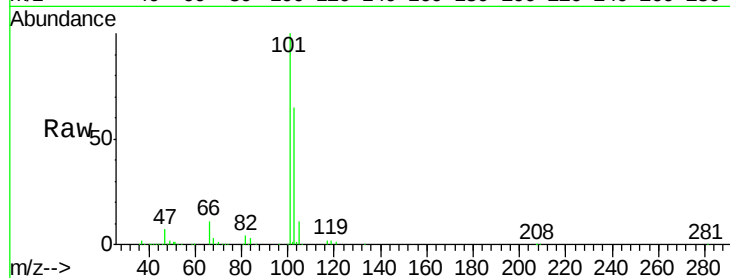
Trichlorofluoromethane
Concen: 51.222 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	318291		
103	64.8	50.6	75.8	

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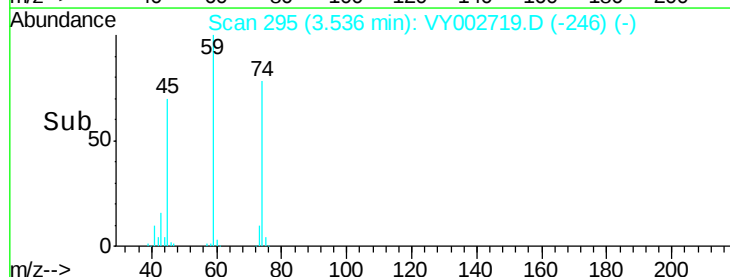
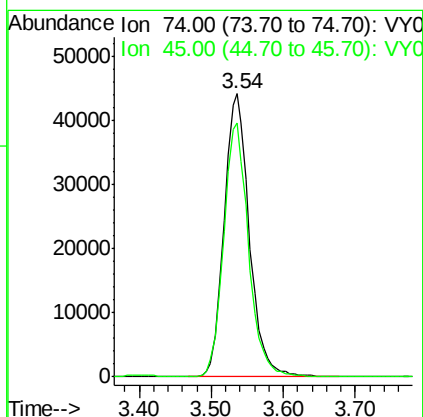
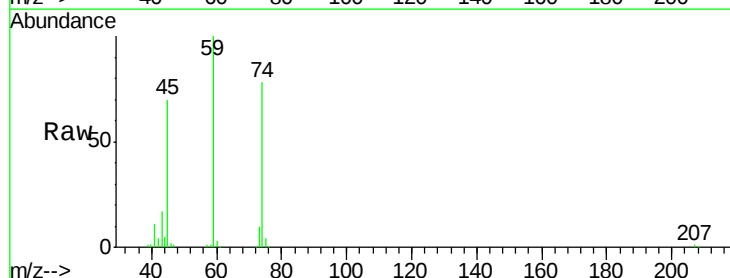
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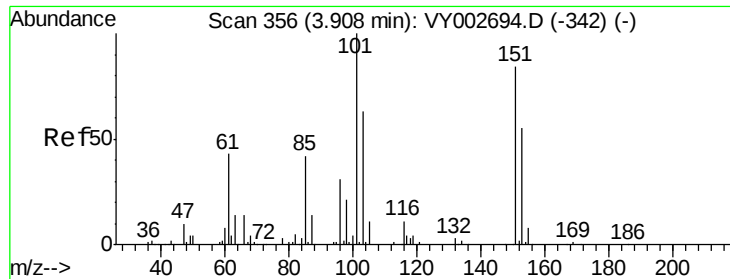


#8

Diethyl Ether
Concen: 51.099 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	108016		
45	88.5	43.8	131.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.226 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

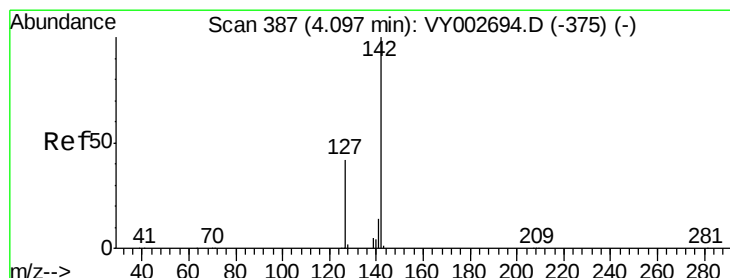
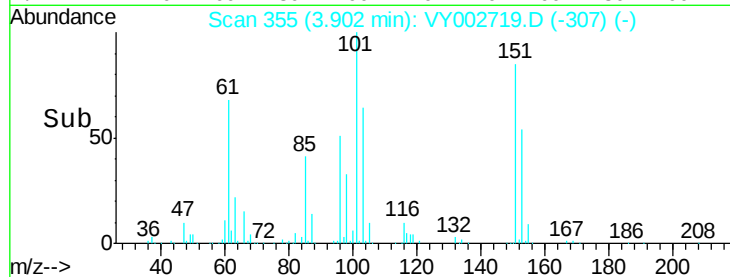
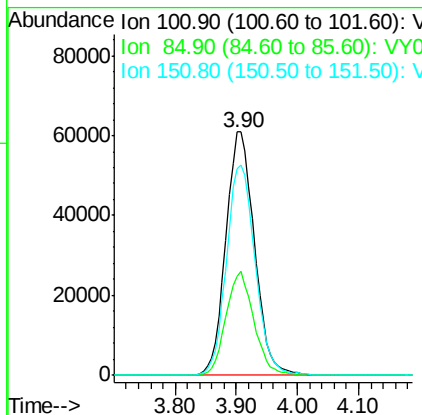
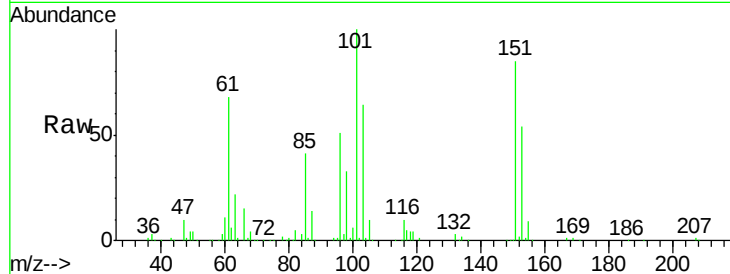
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	196723
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.5	50.3
151	86.6	69.6	104.4

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#10

Methyl Iodide

Concen: 53.333 ug/l

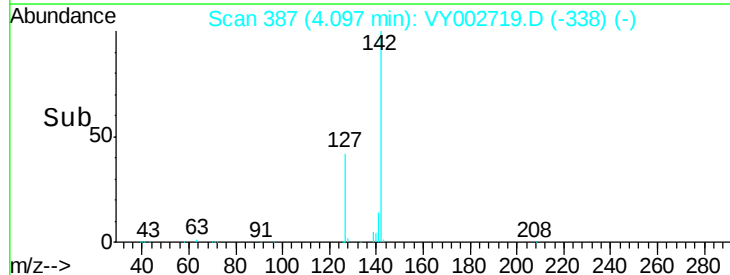
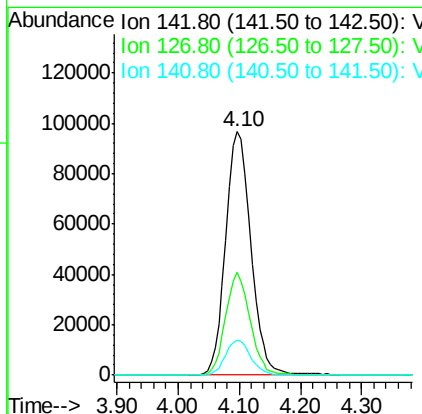
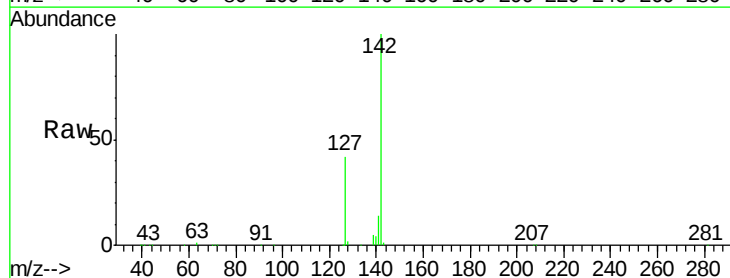
RT: 4.10 min Scan# 387

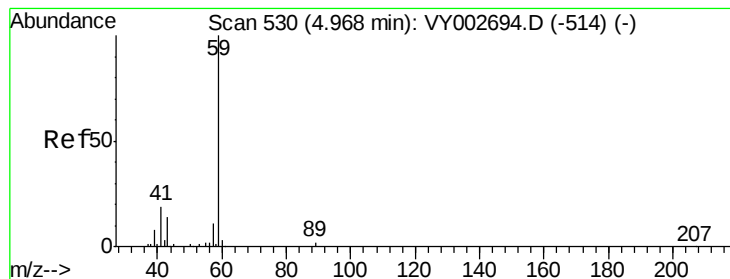
Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	142	Resp:	276517
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.8	49.2
141	14.4	11.3	16.9





#11

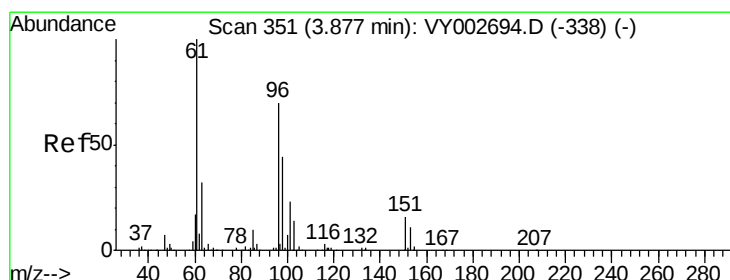
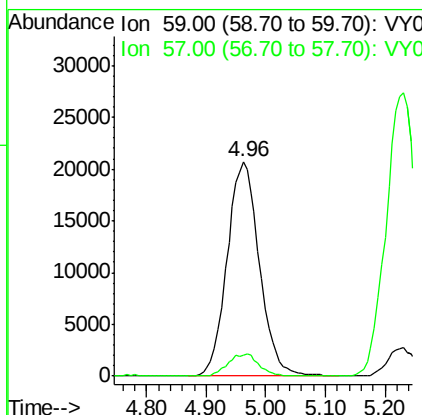
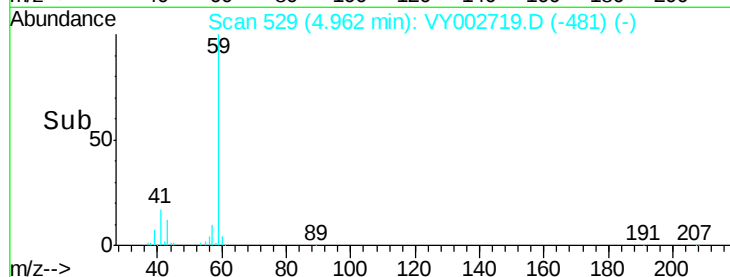
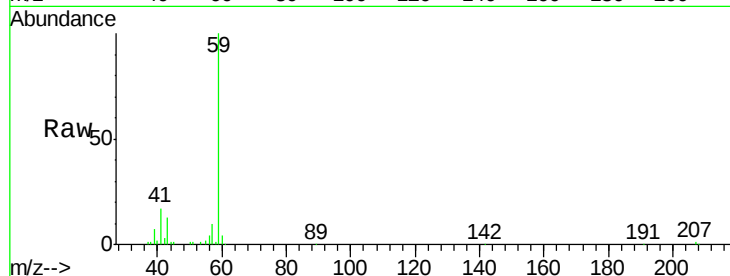
Tert butyl alcohol
Concen: 227.637 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	77971
Ion Ratio	100	Lower	Upper
57	9.9	7.7	11.5

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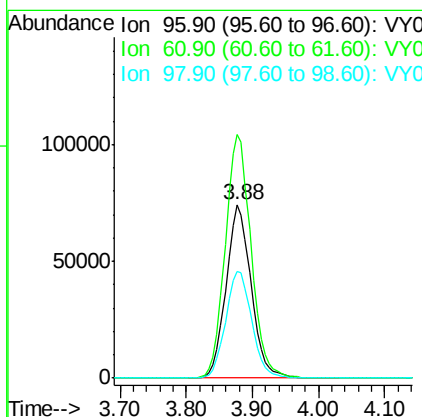
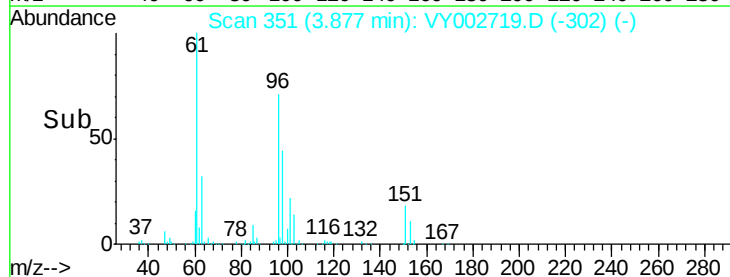
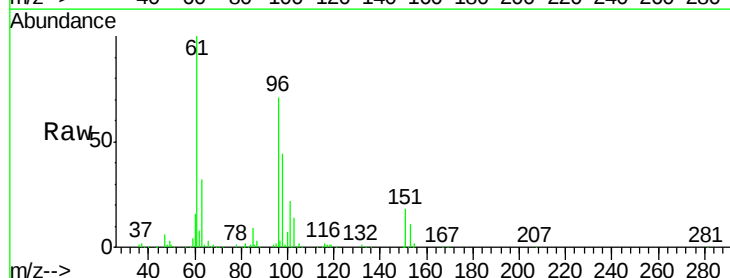
MMDadoda
5/21/2020 1:14:35 PM

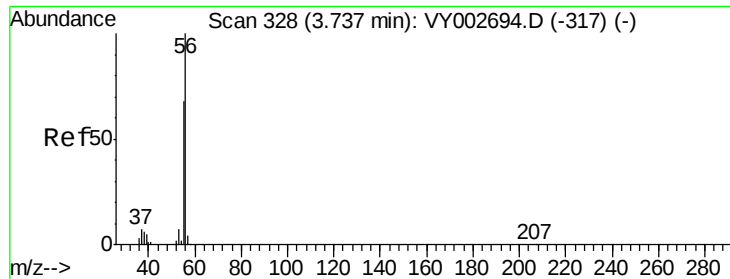


#12

1,1-Dichloroethene
Concen: 51.481 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	96	Resp	194707
Ion Ratio	100	Lower	Upper
61	140.0	113.8	170.8
98	61.6	50.4	75.6





#13

Acrolein

Concen: 276.706 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 111165

Ion Ratio Lower Upper

56 100

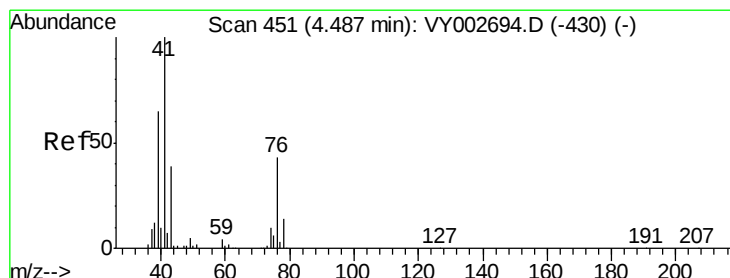
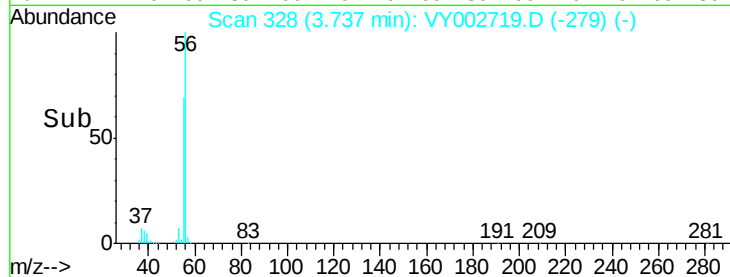
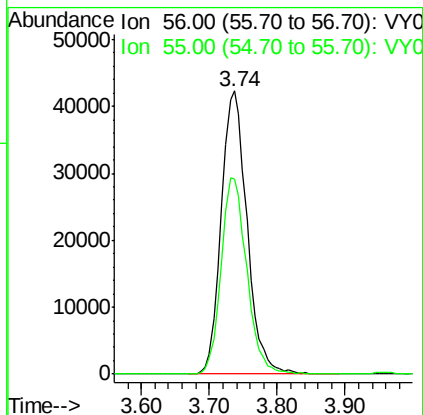
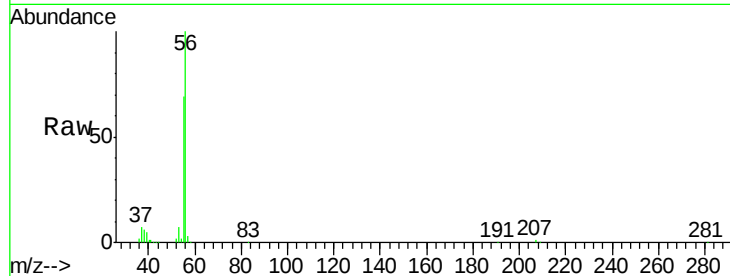
55 69.0 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 52.558 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

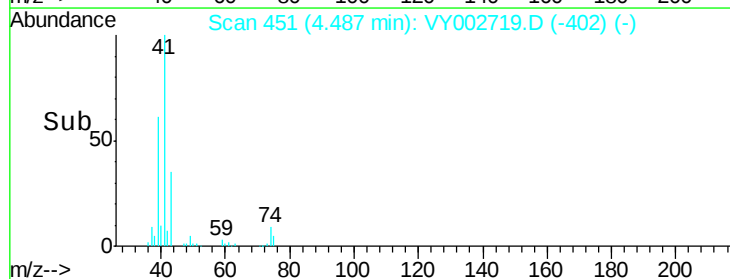
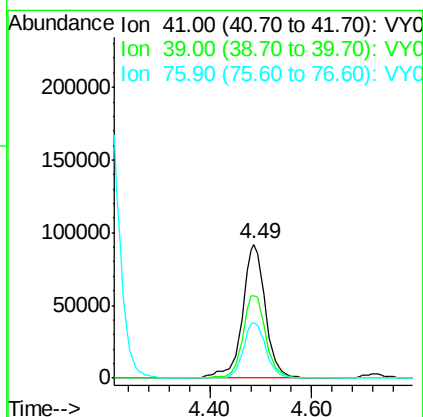
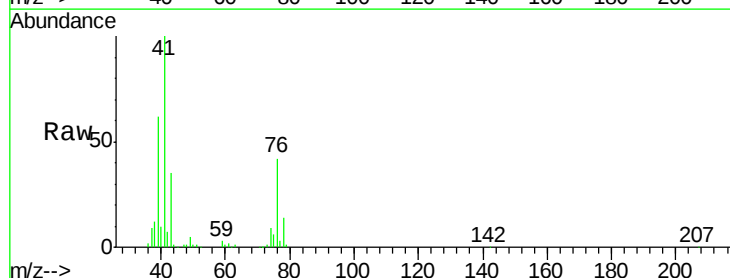
Tgt Ion: 41 Resp: 285376

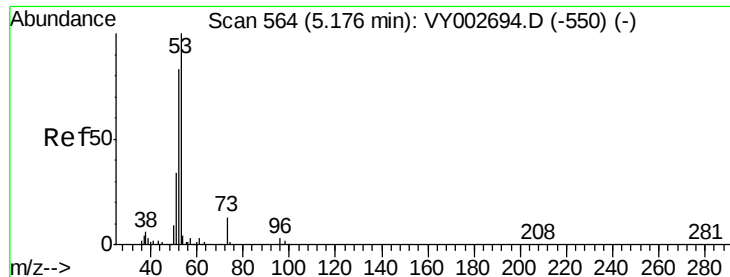
Ion Ratio Lower Upper

41 100

39 61.8 50.3 75.5

76 40.5 33.2 49.8





#15

Acrylonitrile

Concen: 246.825 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

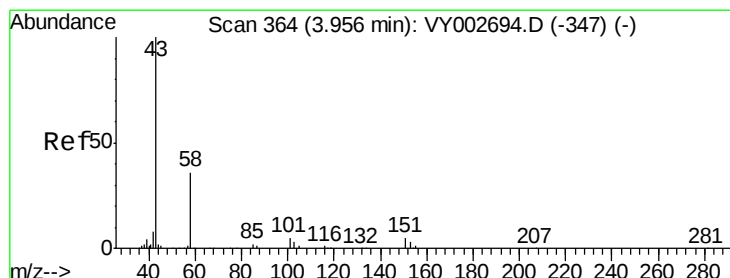
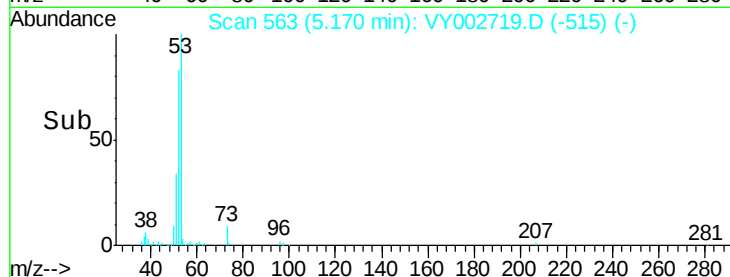
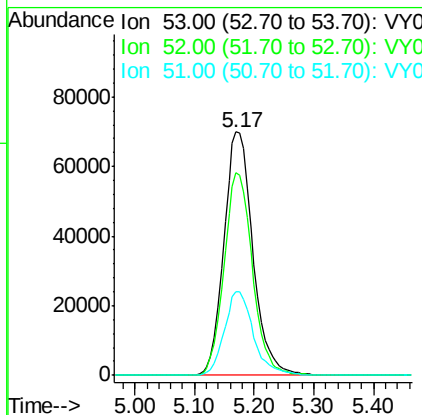
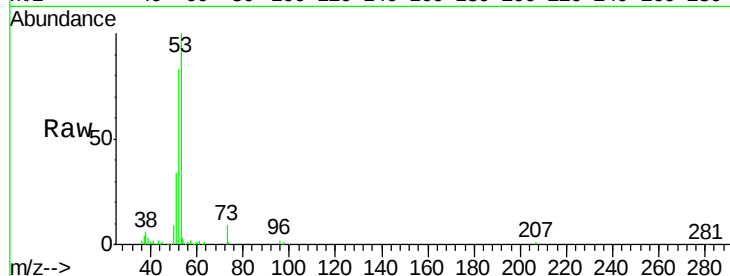
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	236246
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.0	97.6
51	34.5	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 223.127 ug/l

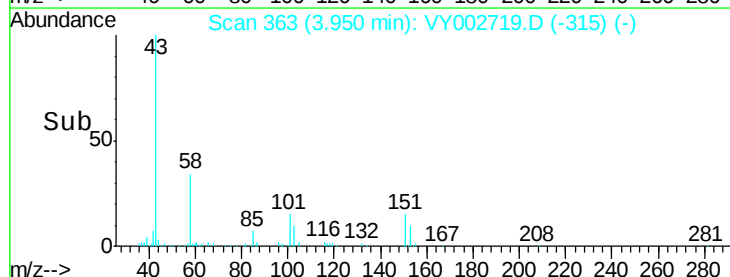
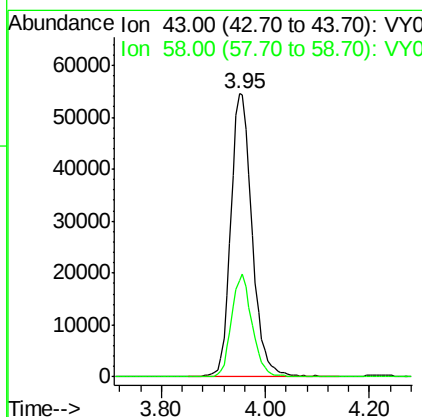
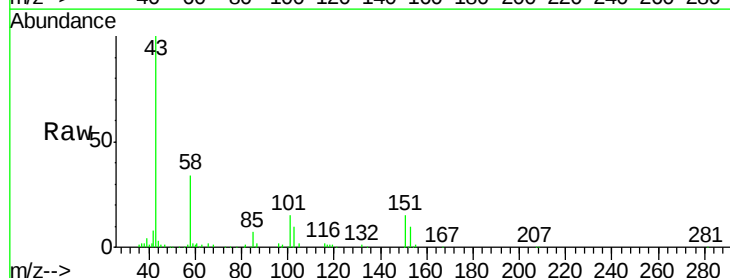
RT: 3.95 min Scan# 363

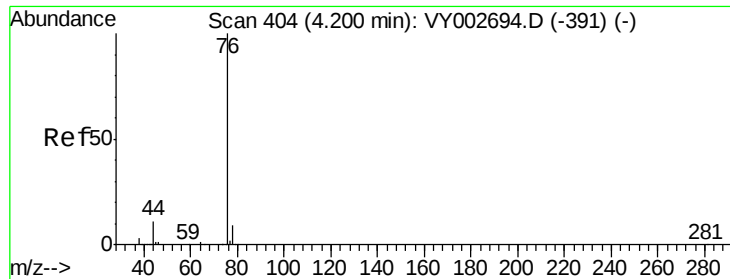
Delta R.T. -0.01 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	43	Resp:	155135
Ion Ratio		Lower	Upper
43	100		
58	34.3	28.6	43.0





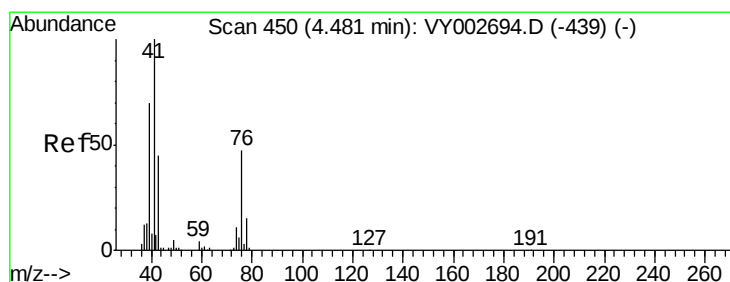
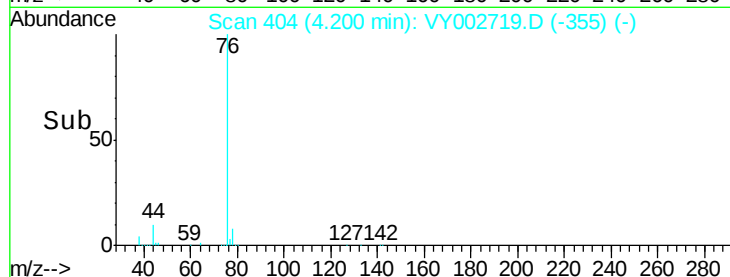
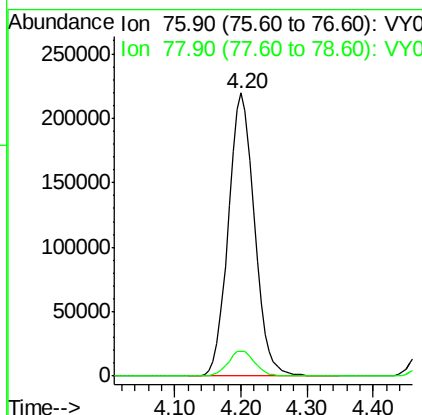
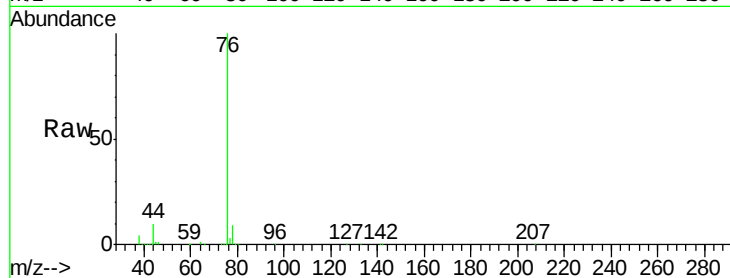
#17
Carbon Disulfide
Concen: 50.704 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

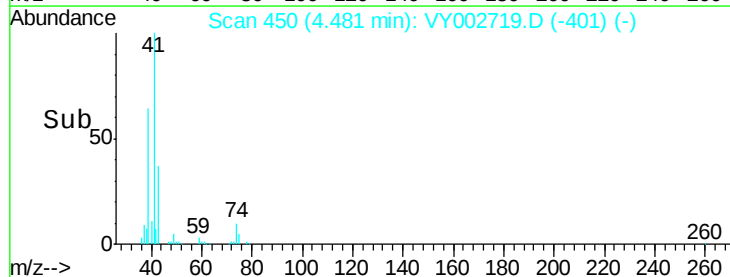
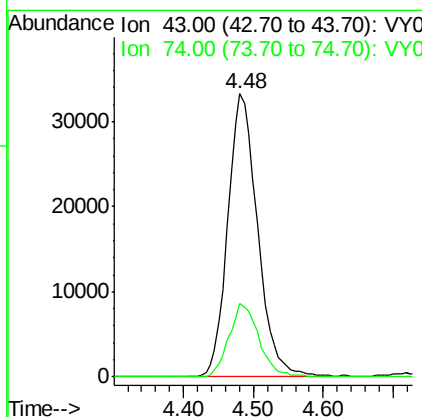
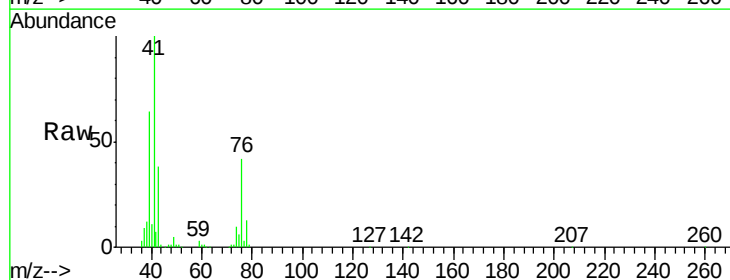
Manual Integrations
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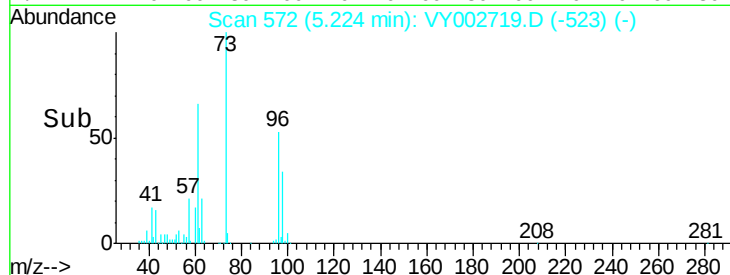
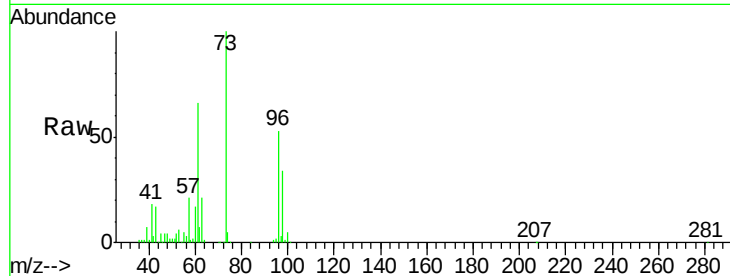
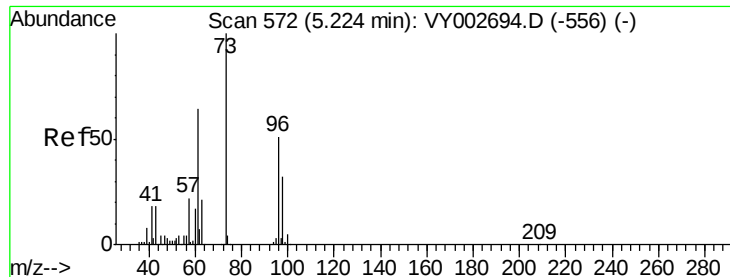
MMDadoda
5/21/2020 1:14:35 PM



#18
Methyl Acetate
Concen: 49.731 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.1	31.7





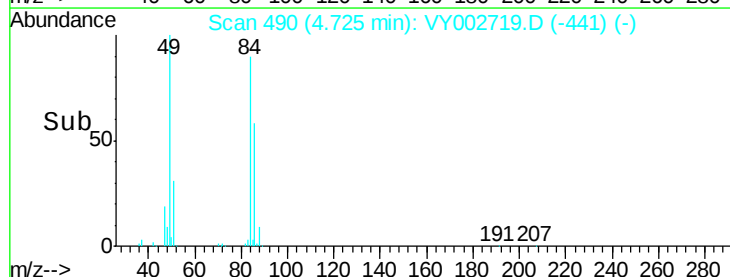
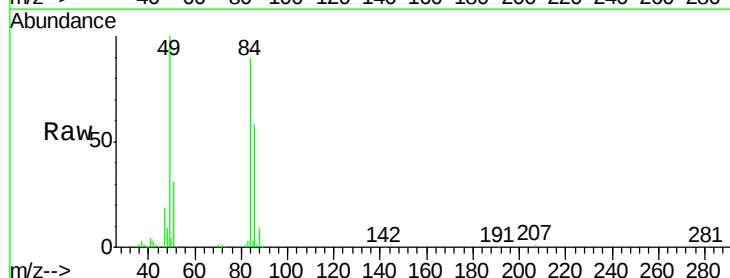
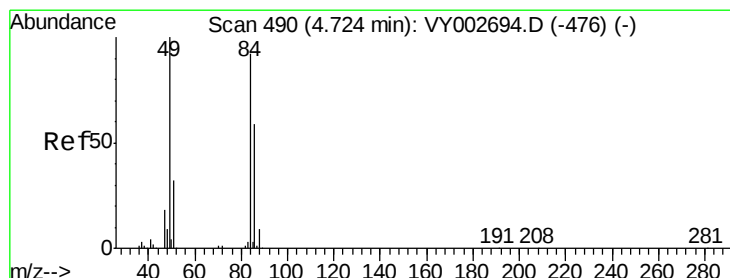
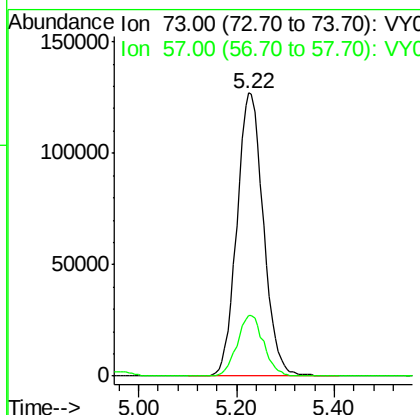
#19
Methvl tert-butvl Ether
Concen: 50.867 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.3	25.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

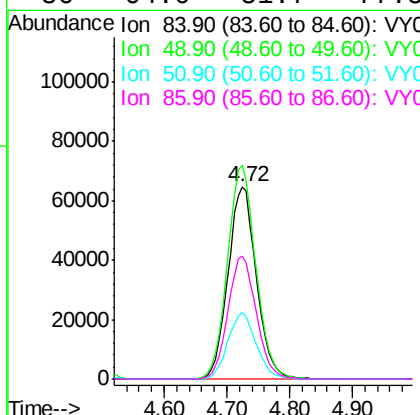
Manual Integrations
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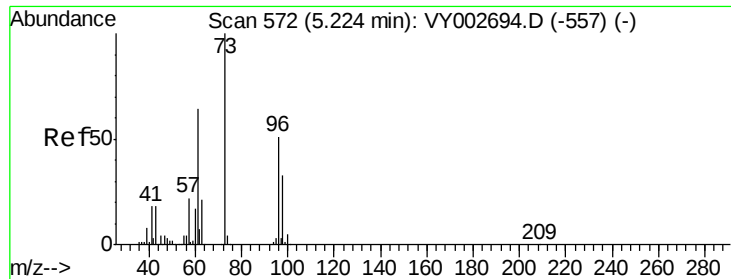
MMDadoda
5/21/2020 1:14:35 PM



#20
Methylene Chloride
Concen: 48.094 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	87.4	131.0
51	34.6	27.9	41.9
86	64.0	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 50.629 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

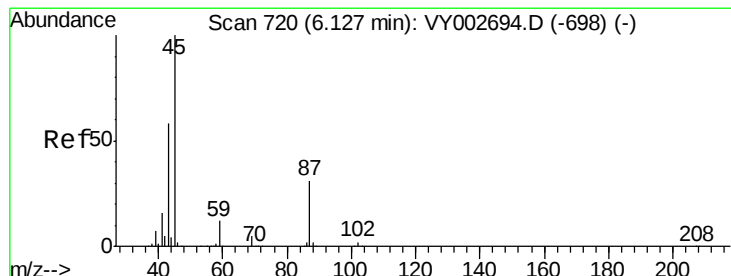
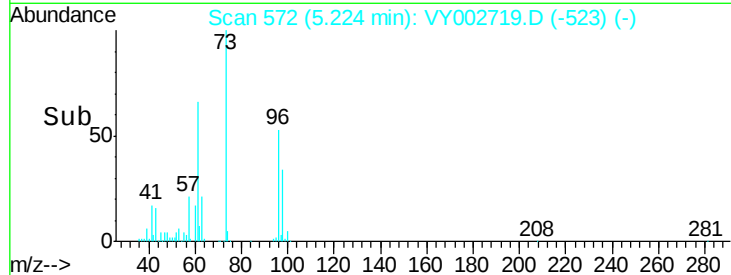
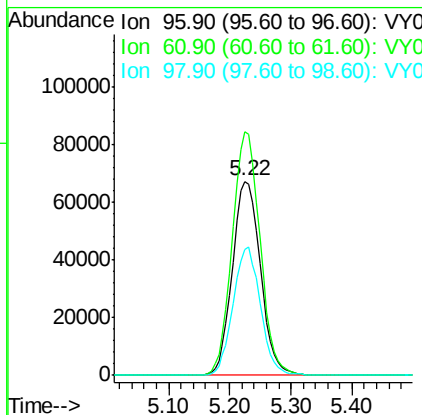
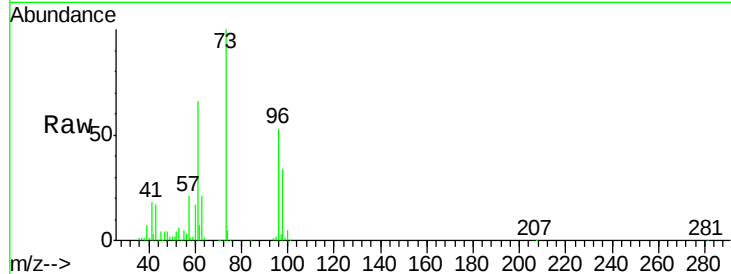
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	212924
Ion	Ratio	Lower	Upper
96	100		
61	125.7	99.6	149.4
98	64.8	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.096 ug/l

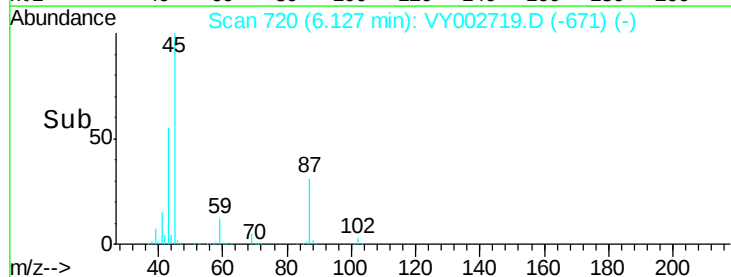
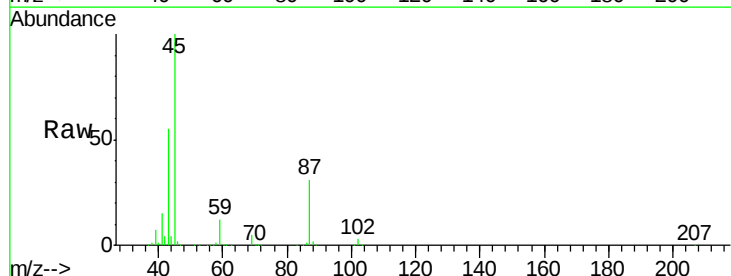
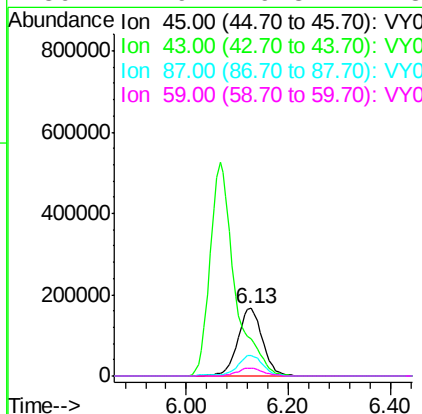
RT: 6.13 min Scan# 720

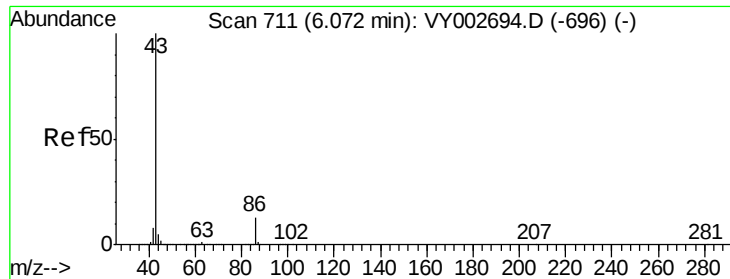
Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	45	Resp:	561202
Ion	Ratio	Lower	Upper
45	100		
43	54.5	46.1	69.1
87	31.3	24.9	37.3
59	11.9	9.8	14.8





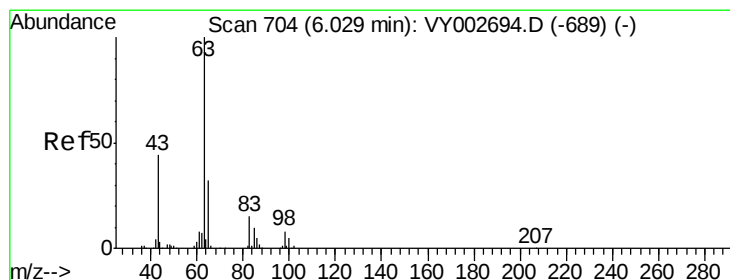
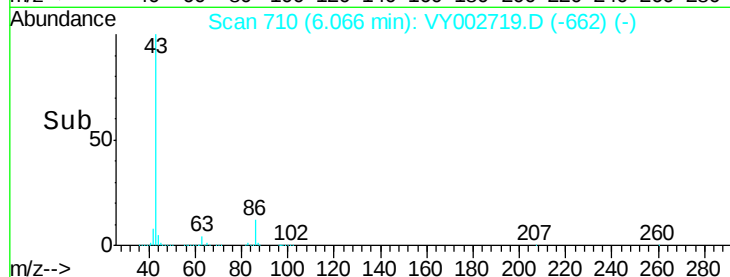
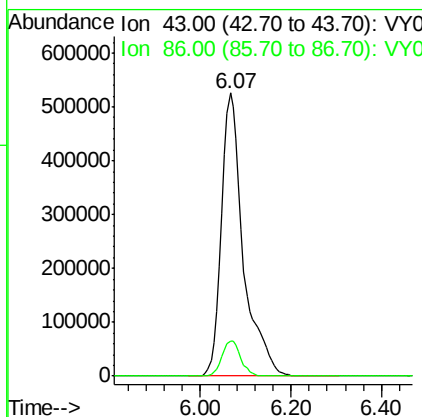
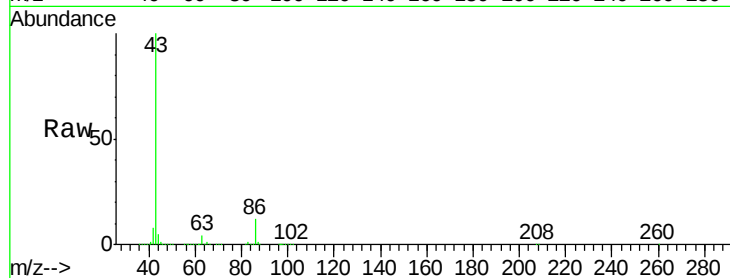
#23
 Vinyl Acetate
 Concen: 255.479 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1762265
 Ion Ratio Lower Upper
 43 100
 86 12.4 10.1 15.1

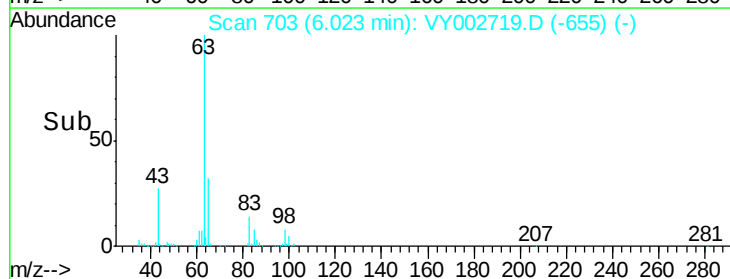
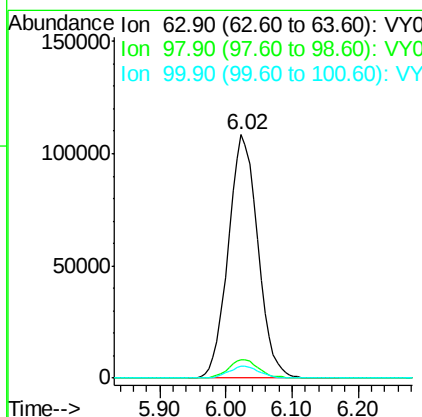
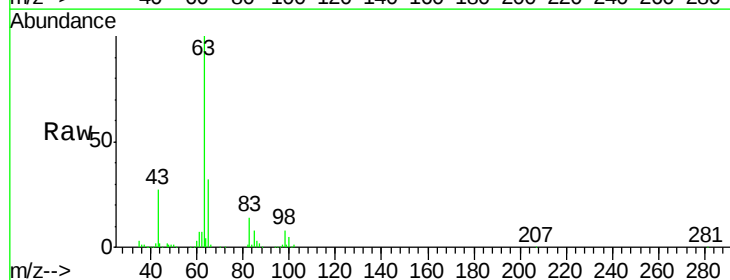
Manual Integrations
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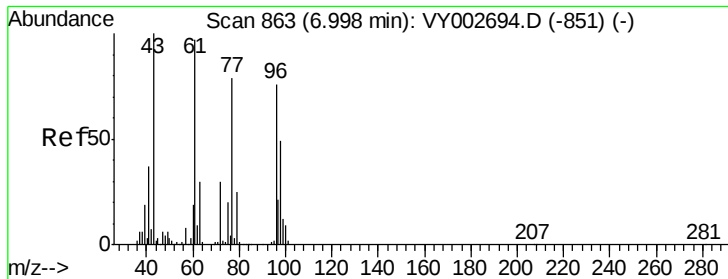
MMDadoda
 5/21/2020 1:14:35 PM



#24
 1,1-Dichloroethane
 Concen: 52.225 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion: 63 Resp: 336178
 Ion Ratio Lower Upper
 63 100
 98 7.6 4.0 11.9
 100 5.0 2.5 7.6





#25

2-Butanone

Concen: 232.670 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 267656

Ion Ratio Lower Upper

43 100

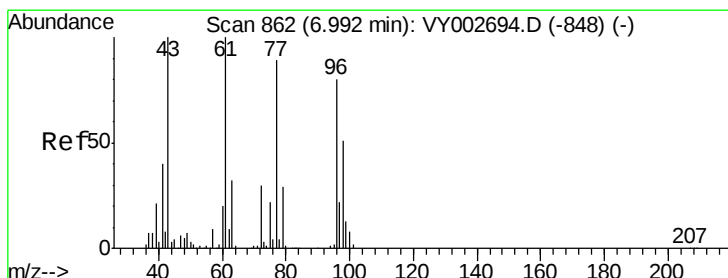
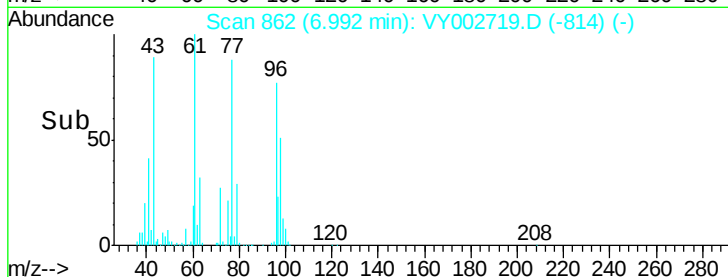
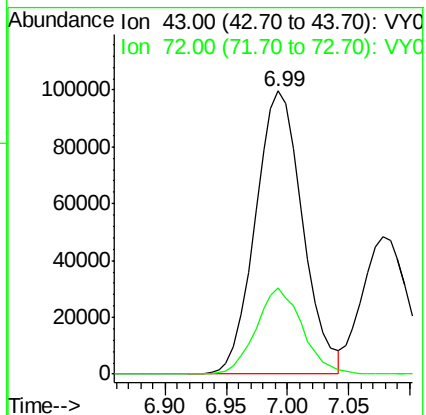
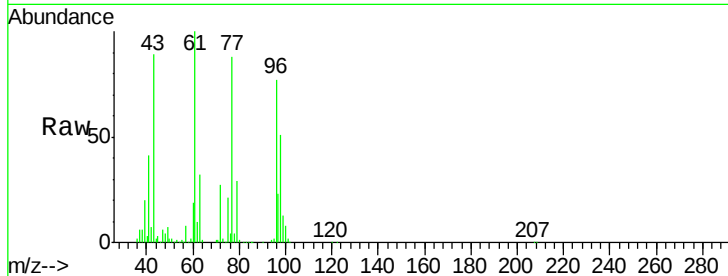
72 30.4 24.1 36.1

Manual Integrations

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5/21/2020 1:14:35 PM



#26

2,2-Dichloropropane

Concen: 51.892 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002719.D

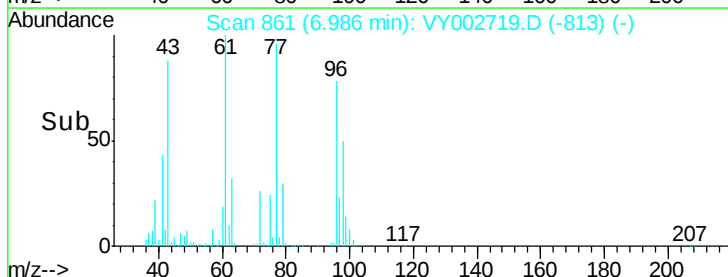
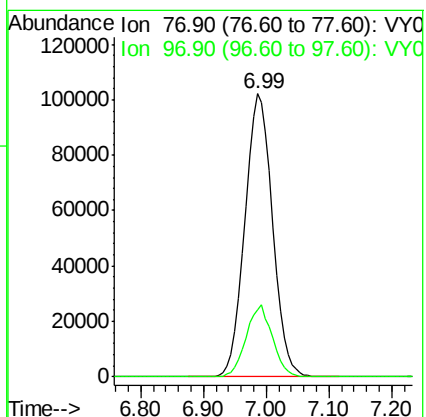
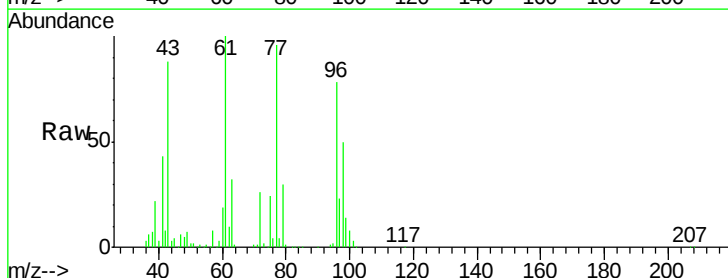
Acq: 20 May 2020 10:07

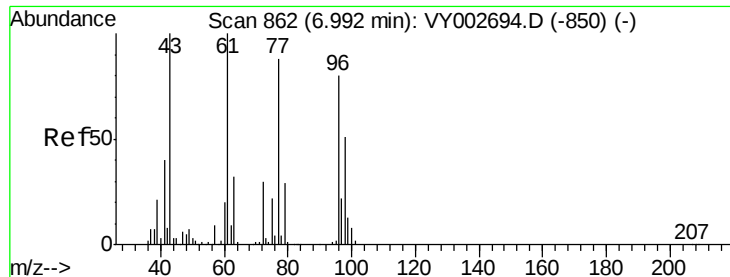
Tgt Ion: 77 Resp: 310799

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

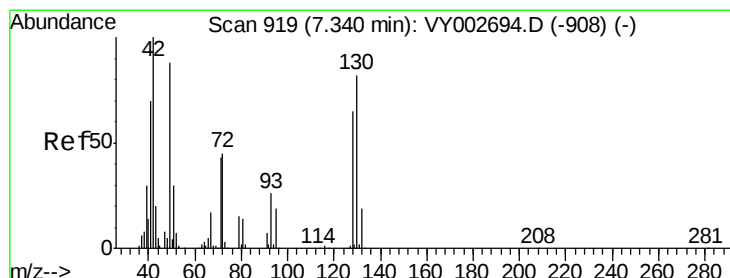
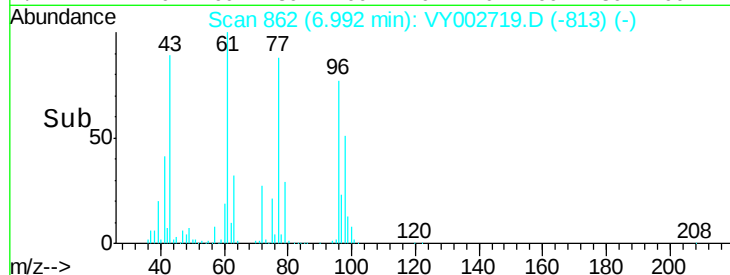
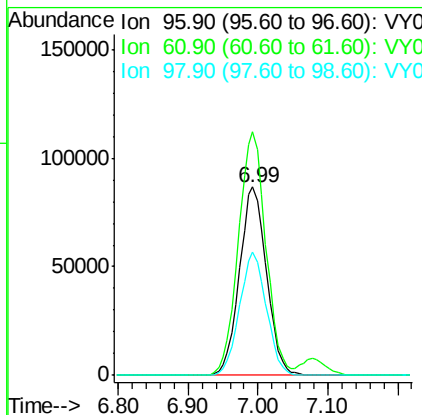
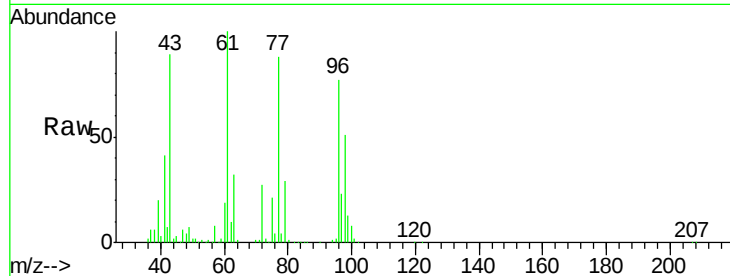
cis-1,2-Dichloroethene
Concen: 51.456 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	233830		
61	130.5	0.0	258.0	
98	64.7	0.0	128.4	

Manual Integrations
APPROVED

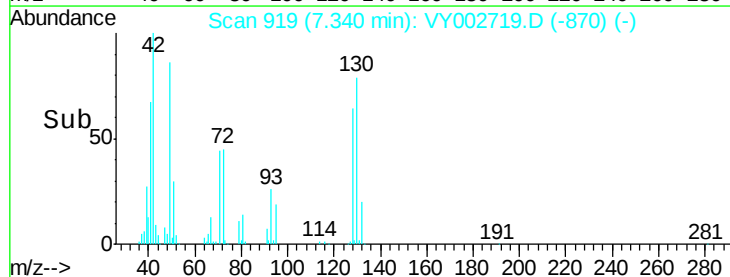
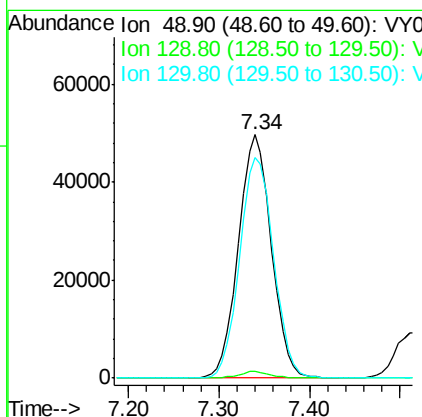
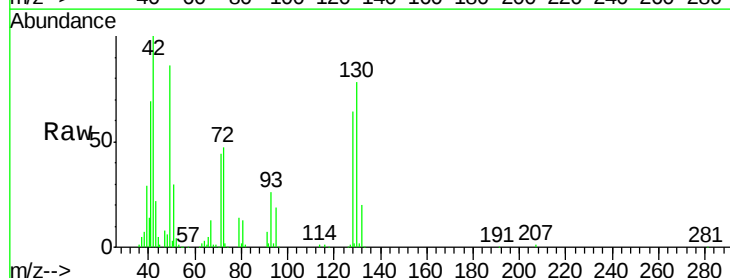
MMDadoda
5/21/2020 1:14:35 PM

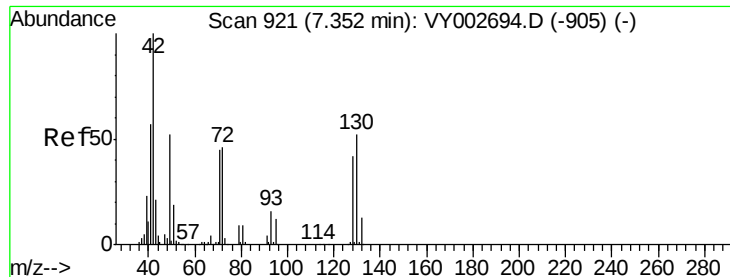


#28

Bromochloromethane
Concen: 49.078 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124975		
129	2.4	0.0	4.6	
130	93.5	75.3	112.9	





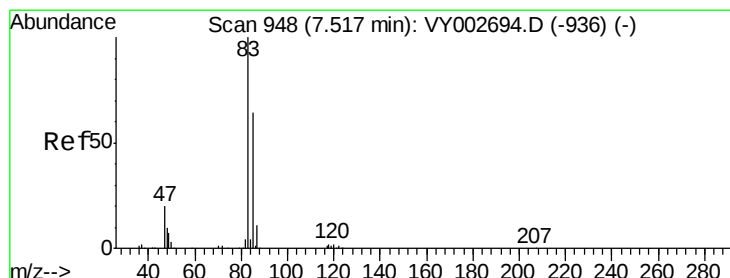
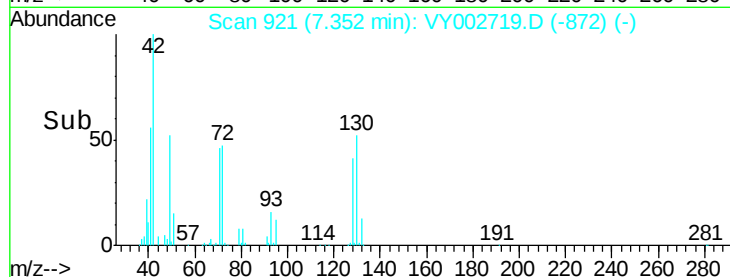
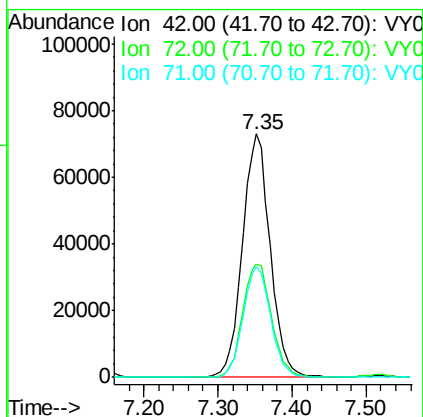
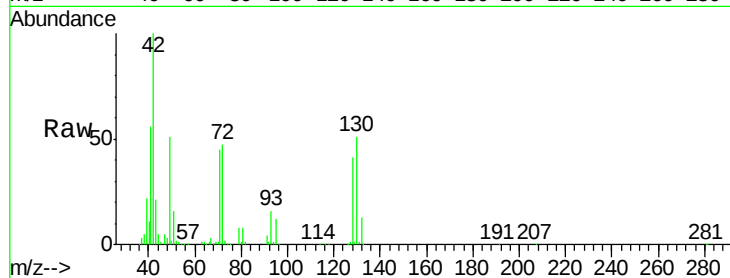
#29
Tetrahydrofuran
Concen: 244.140 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	38.2	57.2
71	45.2	35.8	53.8

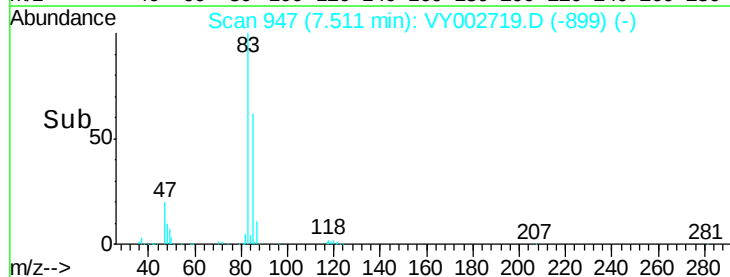
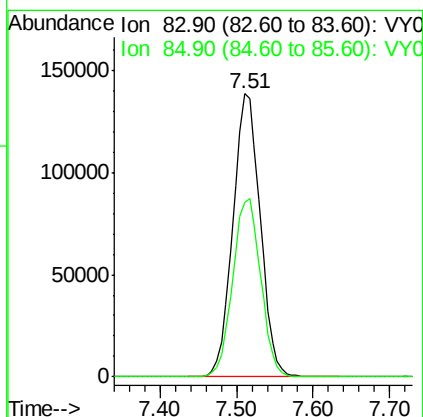
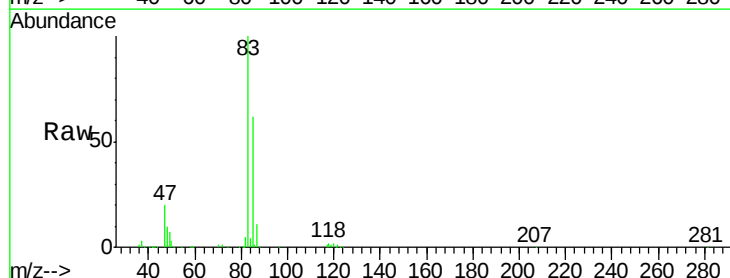
Manual Integrations
APPROVED

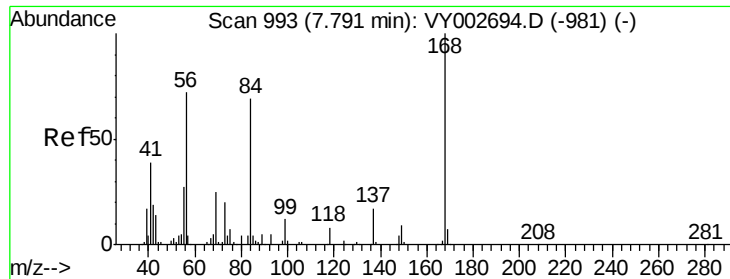
MMDadoda
5/21/2020 1:14:35 PM



#30
Chloroform
Concen: 51.256 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3





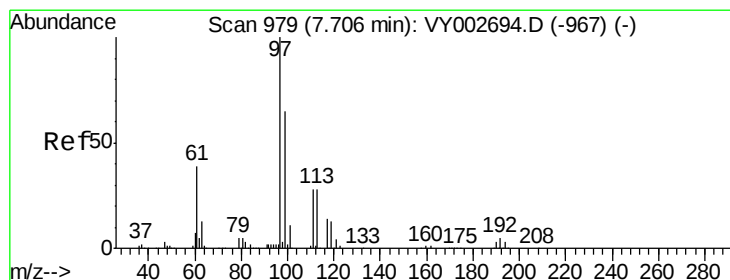
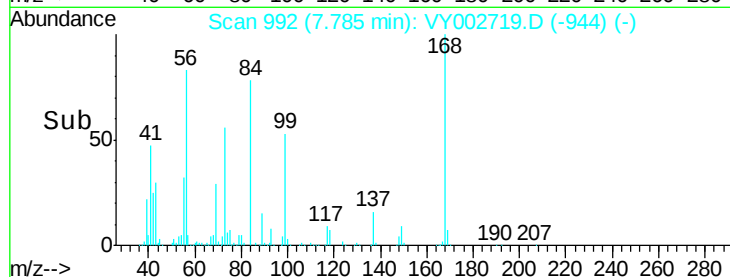
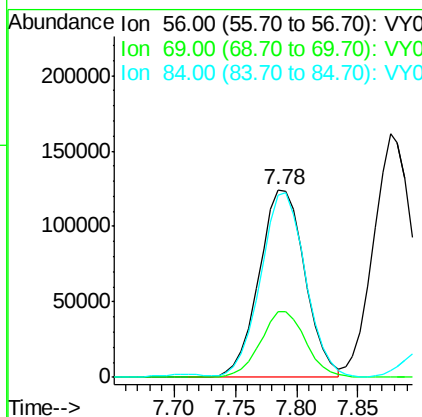
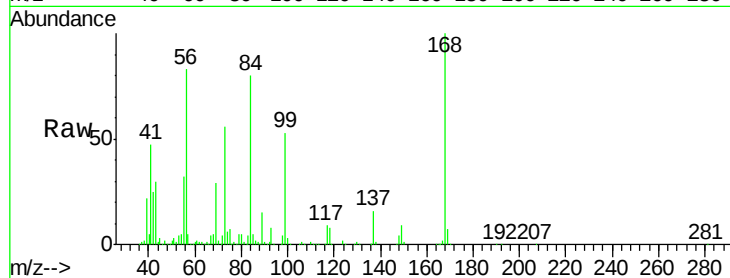
#31
Cyclohexane
Concen: 49.773 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.7	41.5
84	95.3	77.0	115.4

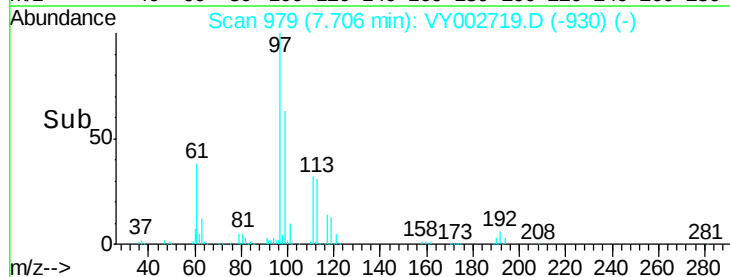
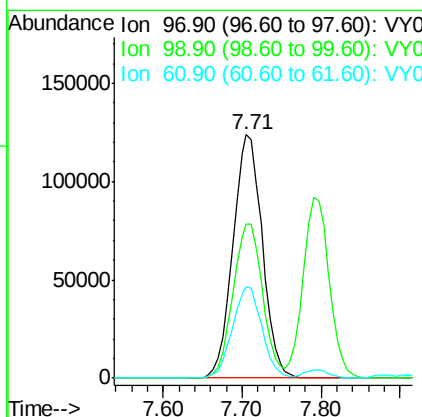
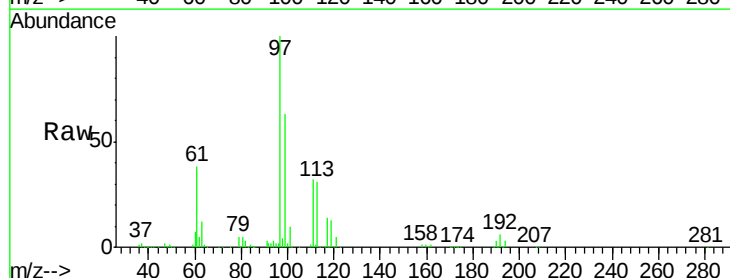
Manual Integrations
APPROVED

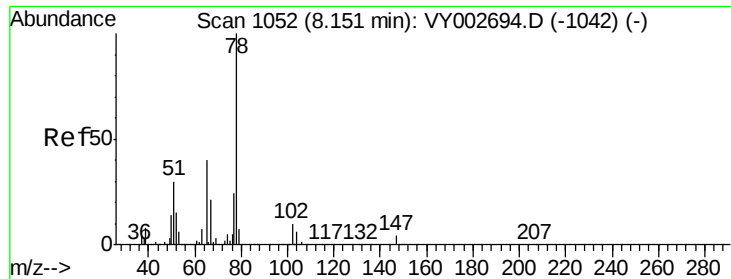
MMDadoda
5/21/2020 1:14:35 PM



#32
1,1,1-Trichloroethane
Concen: 51.719 ug/l
RT: 7.71 min Scan# 979
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	37.8	30.6	45.8





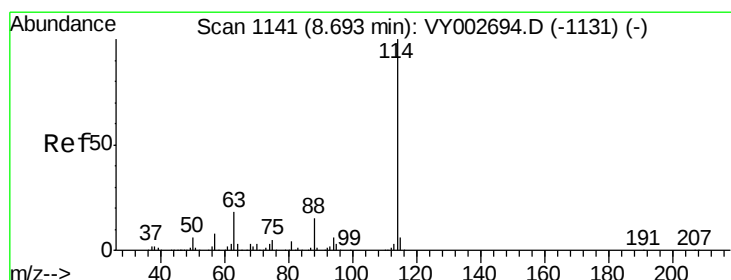
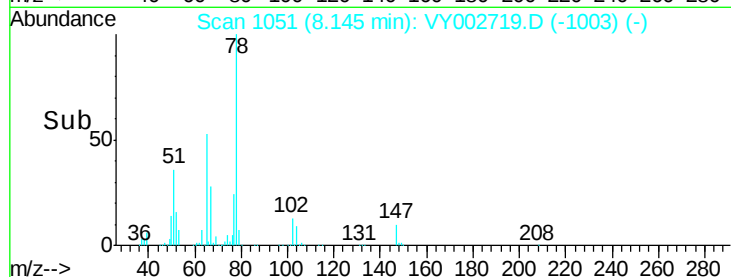
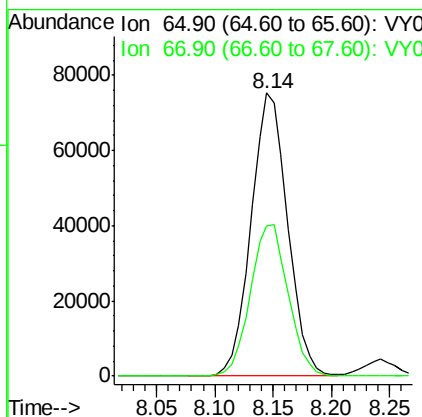
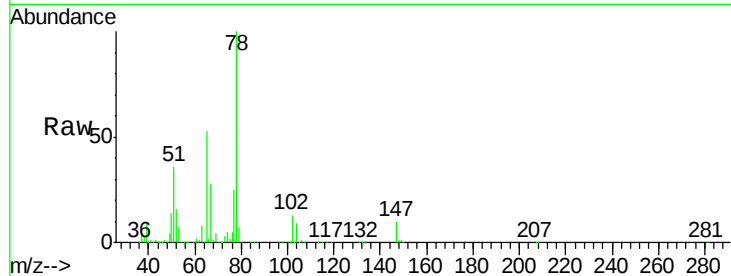
#33
 1,2-Dichloroethane-d4
 Concen: 48.579 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163846		
67	55.5	0.0	109.0	

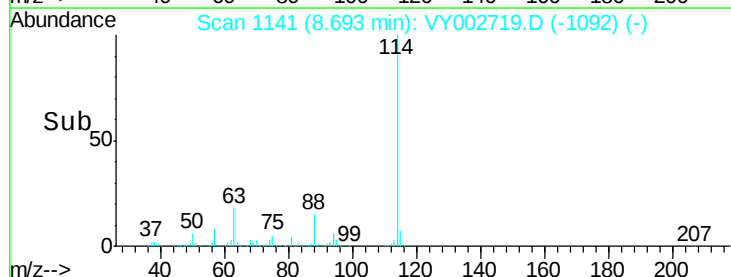
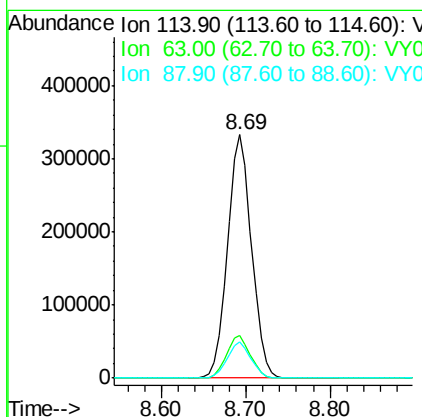
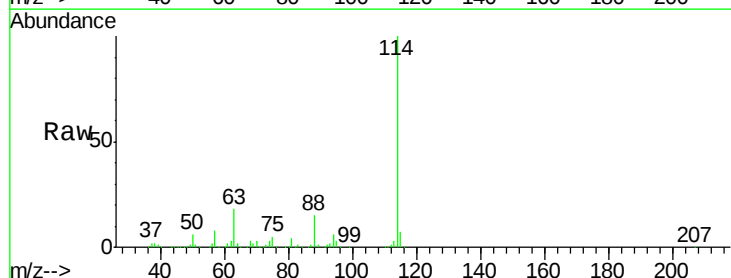
Manual Integrations
 APPROVED

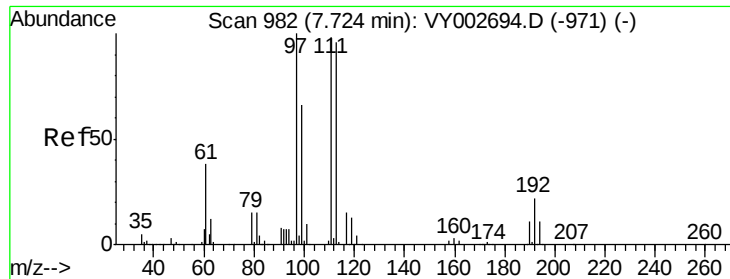
MMDadoda
 5/21/2020 1:14:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641994		
63	17.6	0.0	35.4	
88	14.8	0.0	29.4	





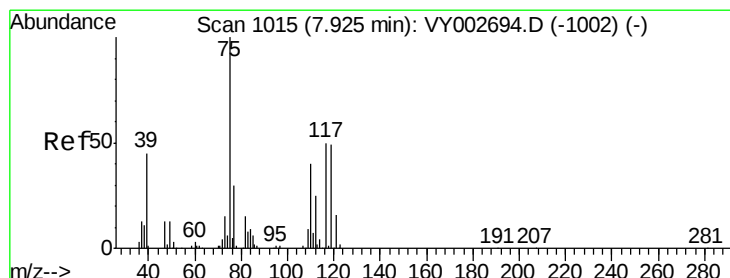
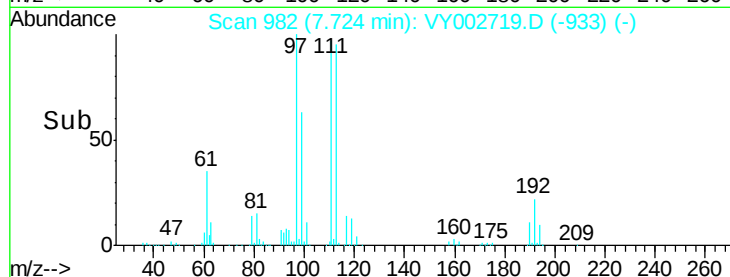
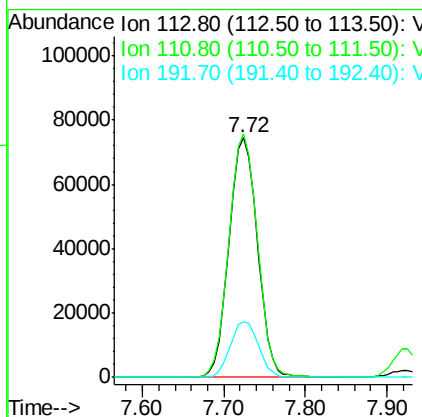
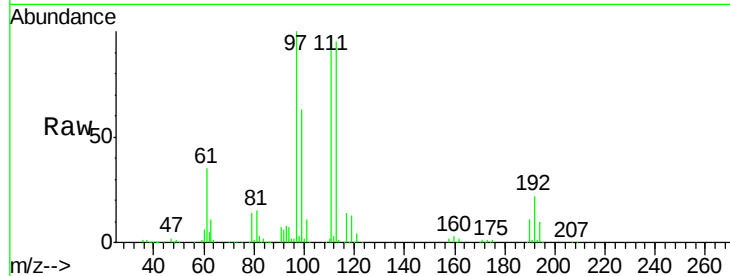
#35
 Dibromofluoromethane
 Concen: 50.558 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179127		
111	101.9	81.9	122.9	
192	23.0	18.6	27.8	

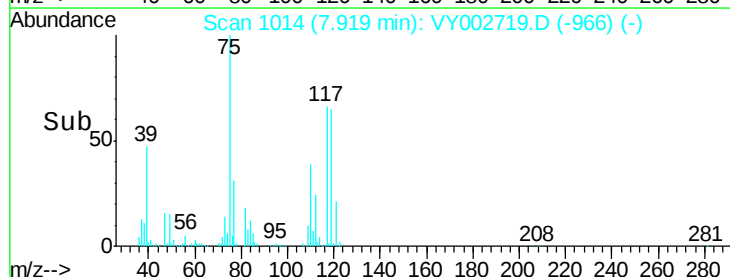
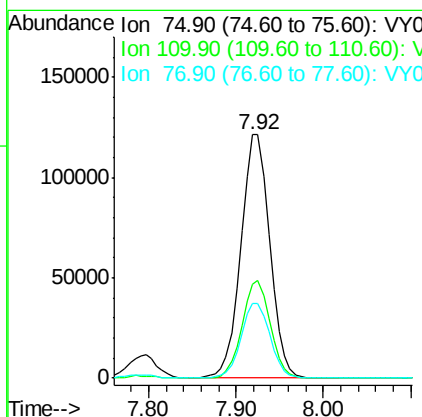
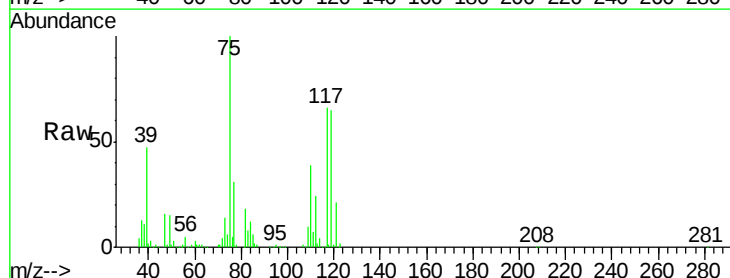
Manual Integrations
 APPROVED

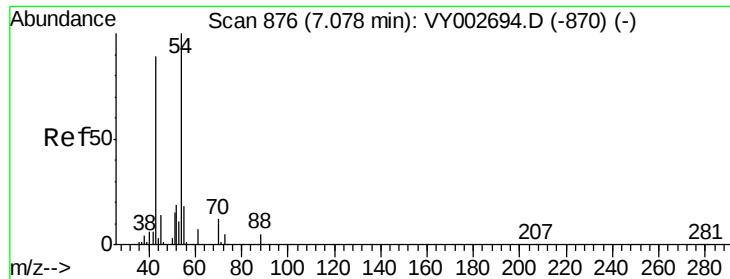
MMDadoda
 5/21/2020 1:14:35 PM



#36
 1,1-Dichloropropene
 Concen: 51.372 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279197		
110	39.0	19.4	58.4	
77	30.9	25.0	37.4	





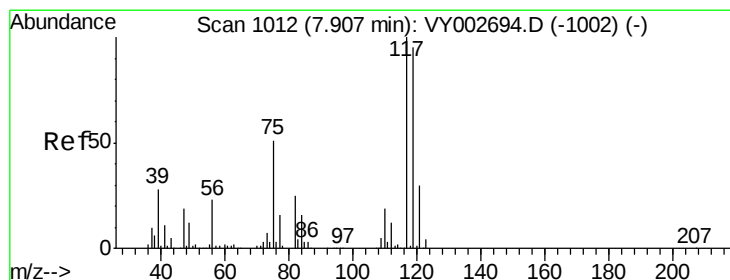
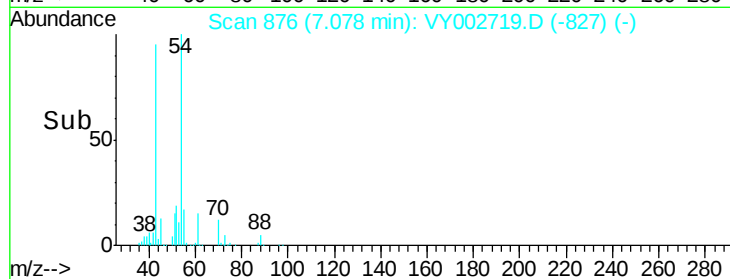
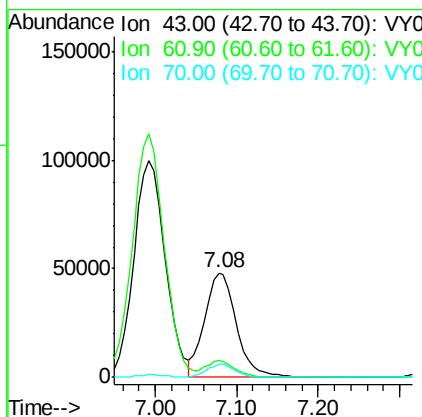
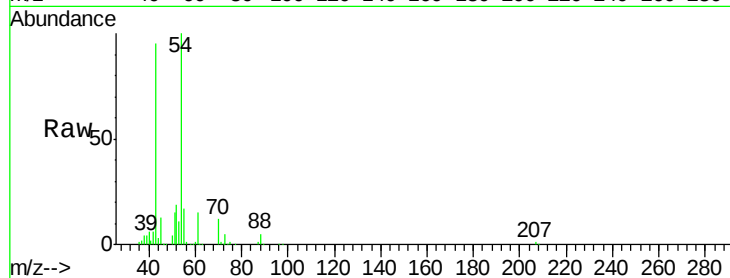
#37
Ethyl Acetate
Concen: 48.807 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	11.3	9.2	13.8

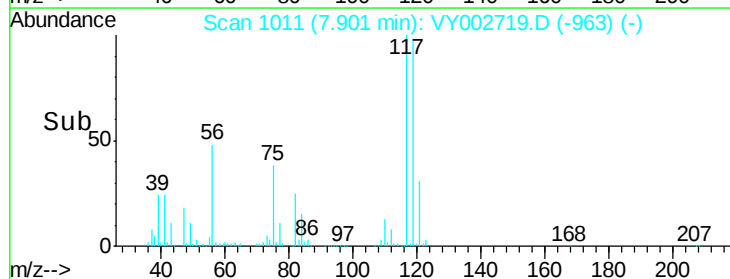
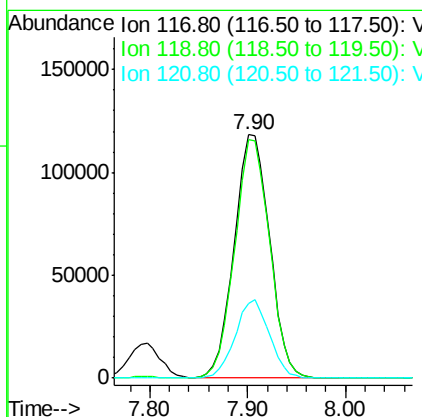
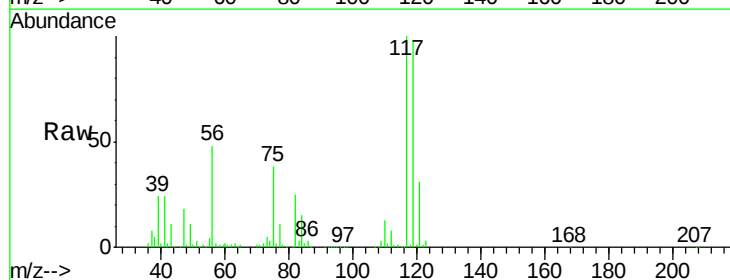
Manual Integrations
APPROVED

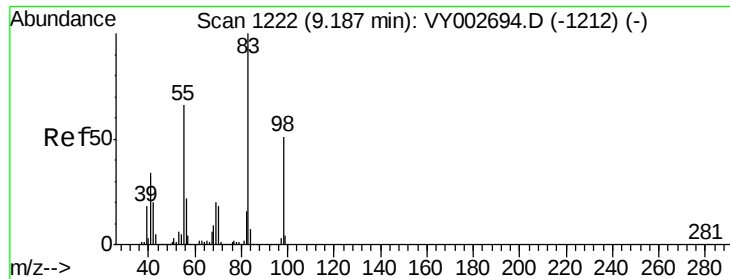
MMDadoda
5/21/2020 1:14:35 PM



#38
Carbon Tetrachloride
Concen: 51.042 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.3	114.5
121	30.7	24.2	36.2





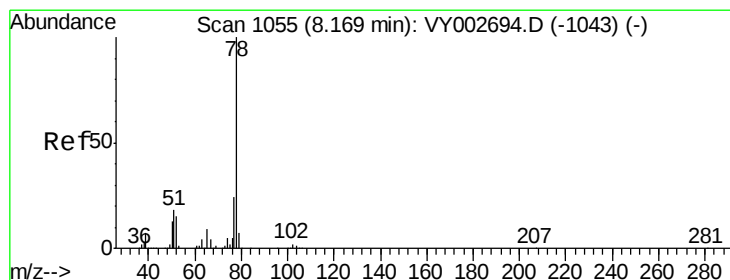
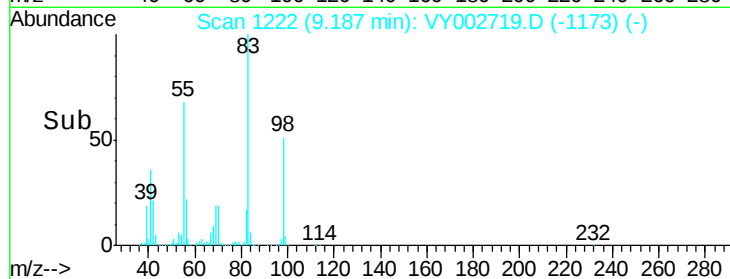
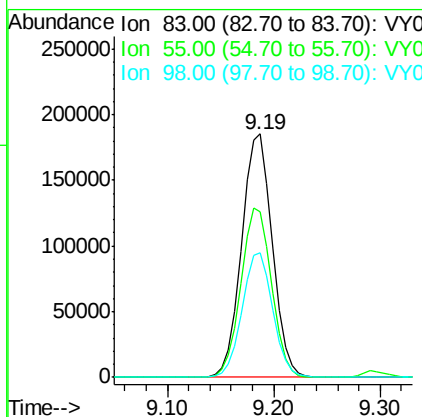
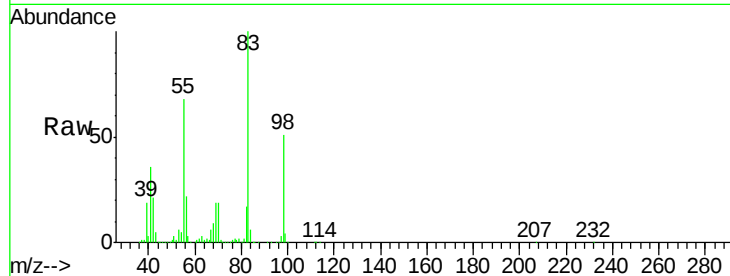
#39
Methvlcvclohexane
Concen: 51.373 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	53.0	79.6
98	50.9	40.8	61.2

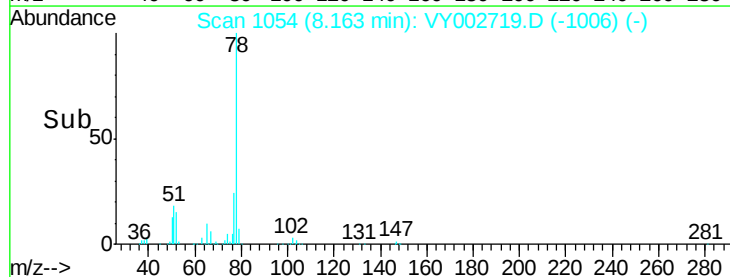
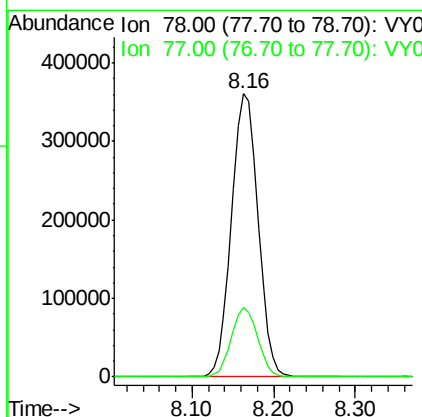
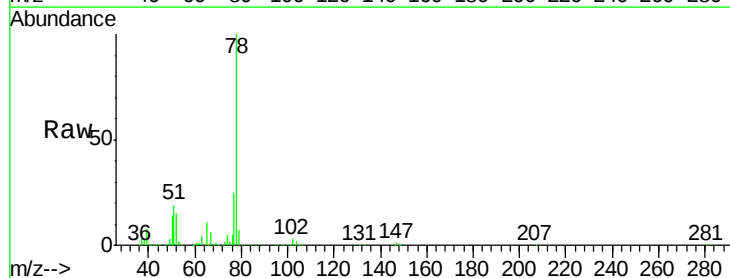
Manual Integrations
APPROVED

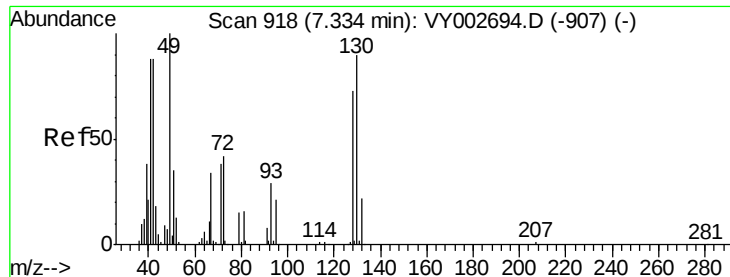
MMDadoda
5/21/2020 1:14:35 PM



#40
Benzene
Concen: 51.034 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





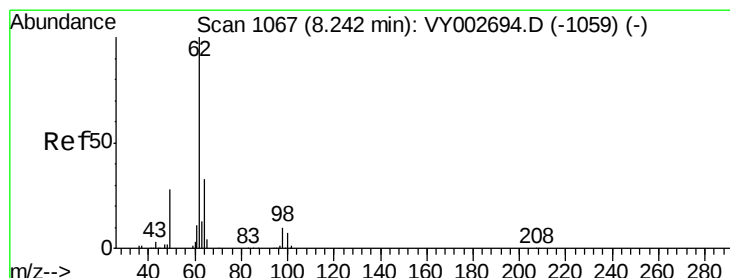
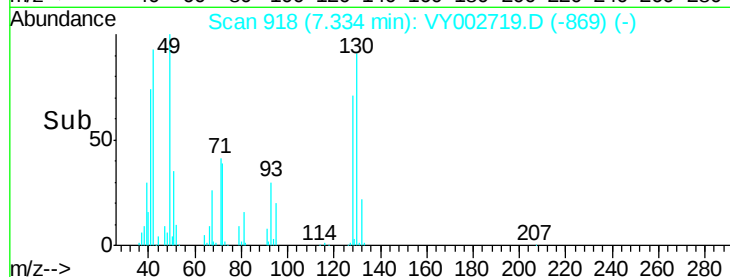
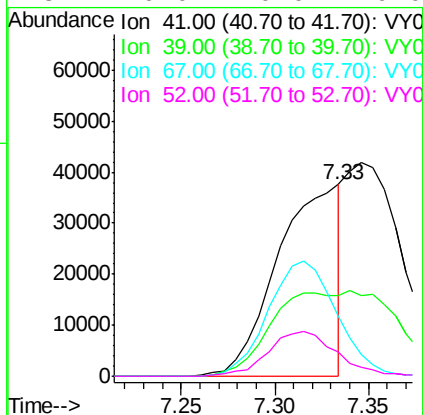
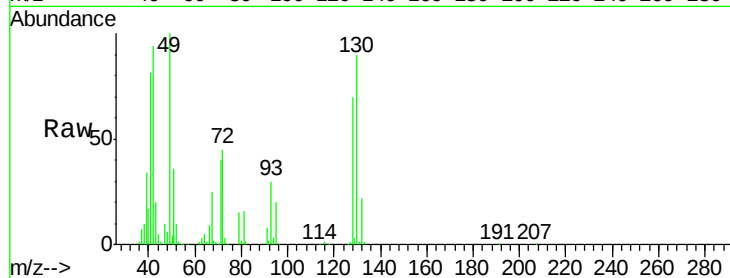
#41
Methacrylonitrile
Concen: 54.726 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	87889
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

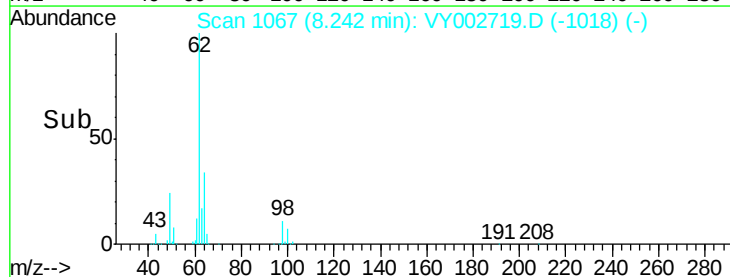
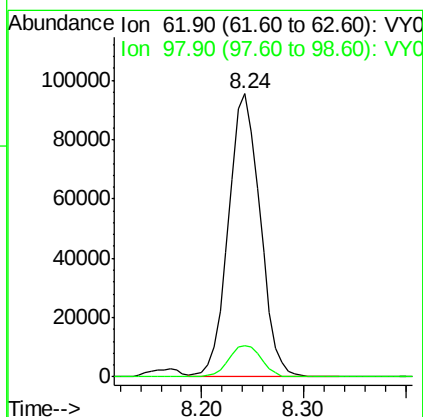
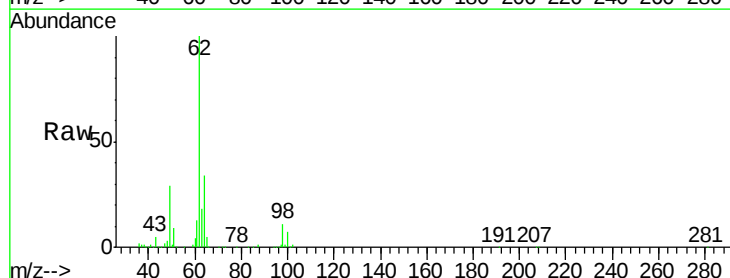
Manual Integrations
APPROVED

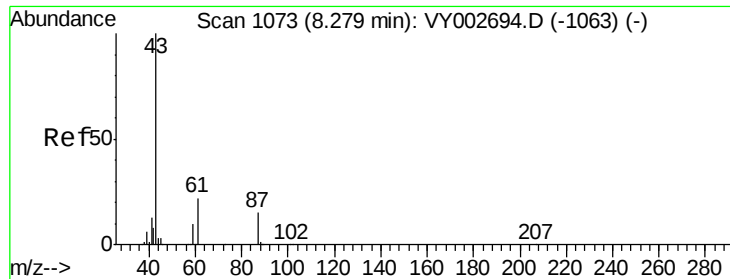
MMDadoda
5/21/2020 1:14:35 PM



#42
1,2-Dichloroethane
Concen: 49.093 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	62	Resp	205325
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.8





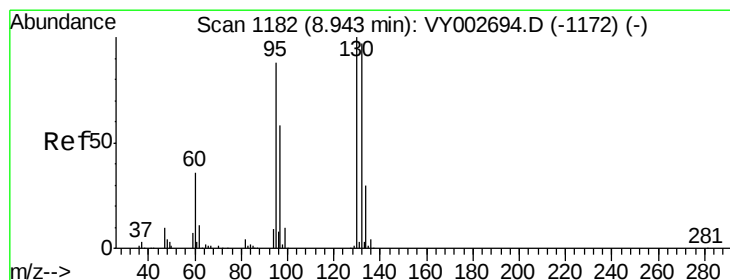
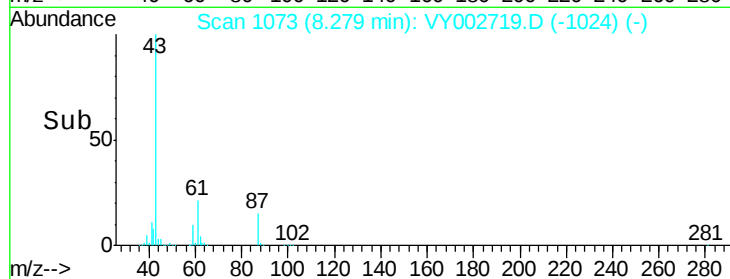
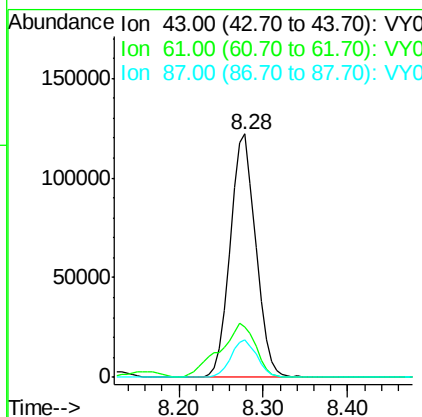
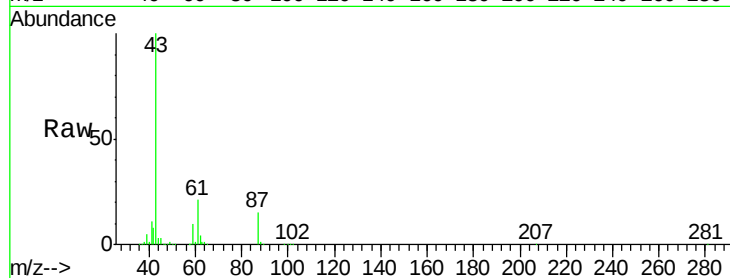
#43
Isopropyl Acetate
Concen: 50.710 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.9	37.3
87	15.5	12.6	19.0

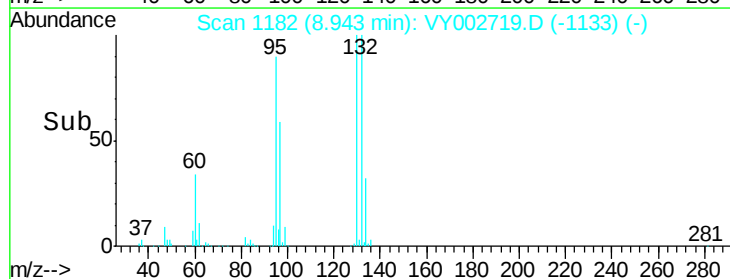
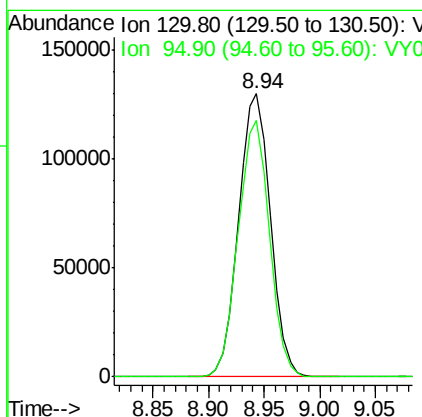
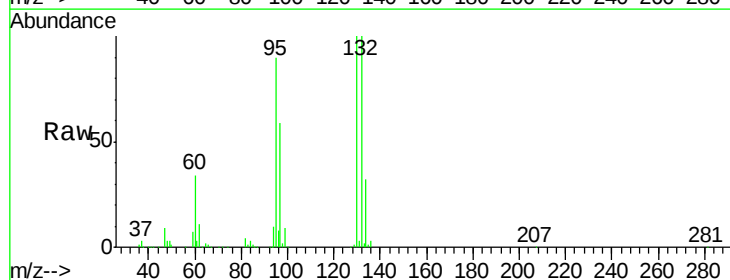
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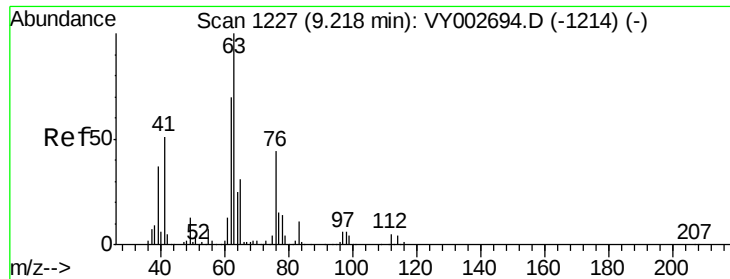
MMDadoda
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#44
Trichloroethene
Concen: 51.003 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	176.4





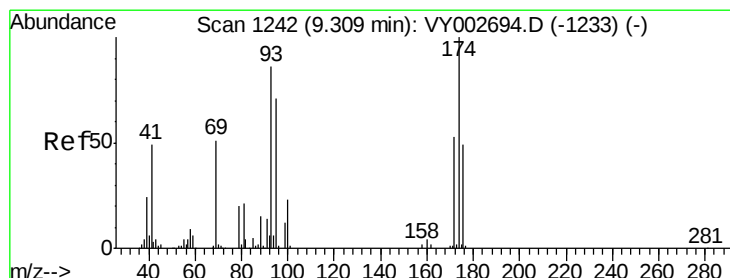
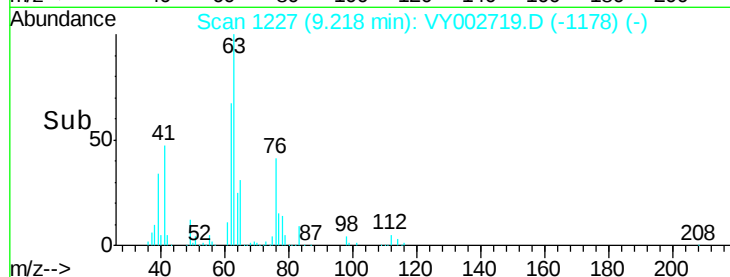
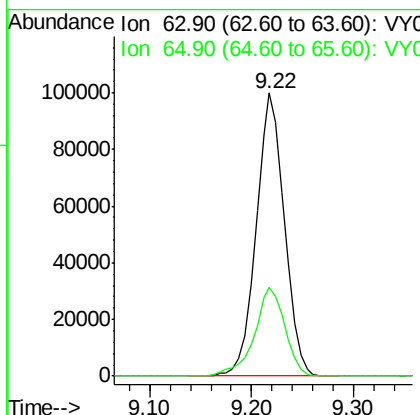
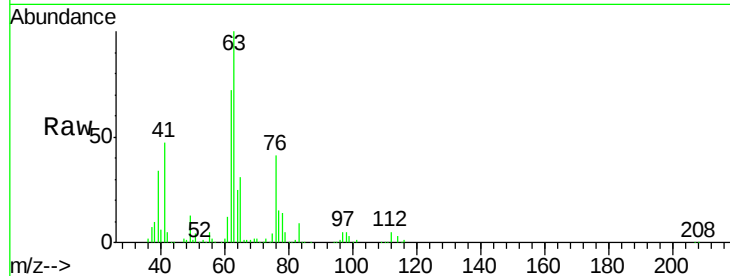
#45
 1,2-Dichloropropane
 Concen: 51.085 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.7	37.1

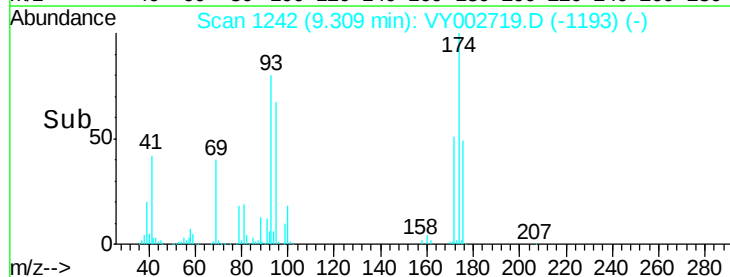
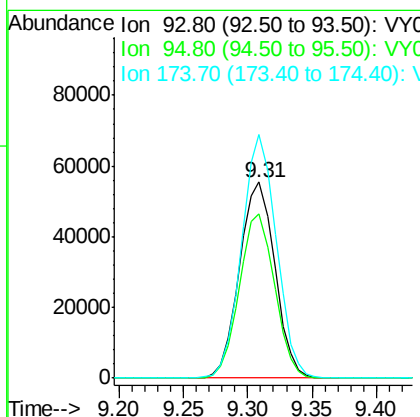
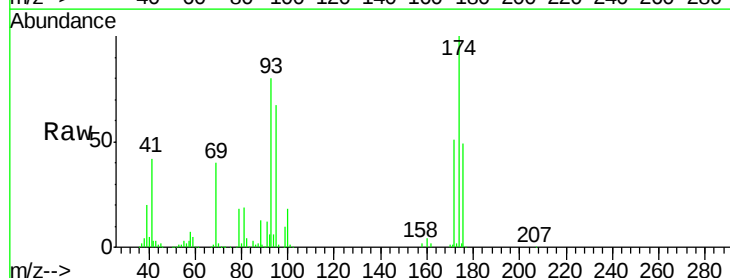
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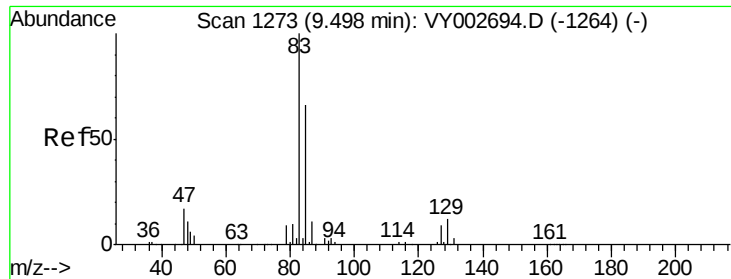
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 5/21/2020 1:14:35 PM



#46
 Dibromomethane
 Concen: 49.967 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.5	99.7
174	121.2	95.6	143.4





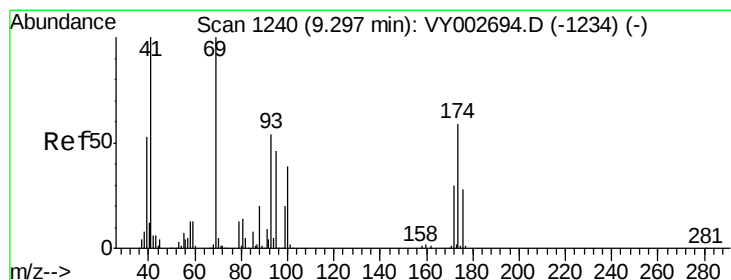
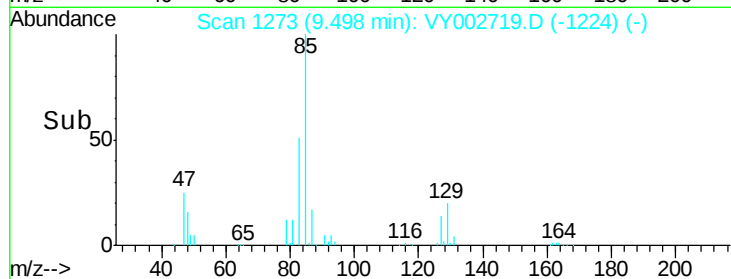
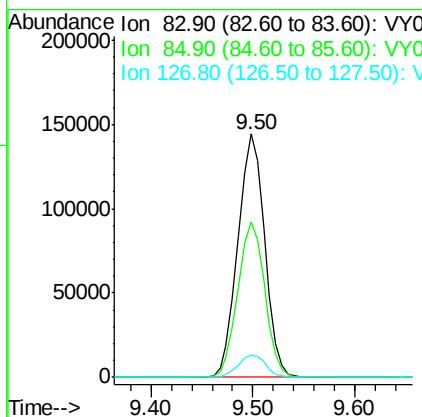
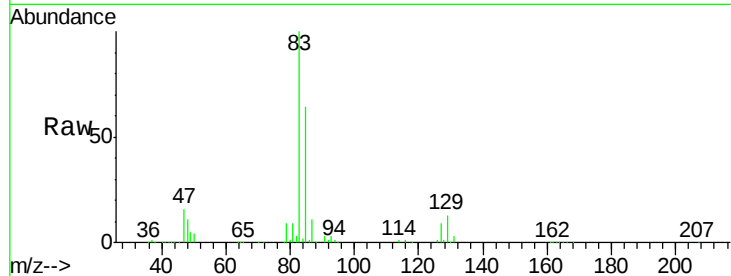
#47
Bromodichloromethane
Concen: 50.950 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	262928		
85	63.7		52.4	78.6
127	9.1		7.6	11.4

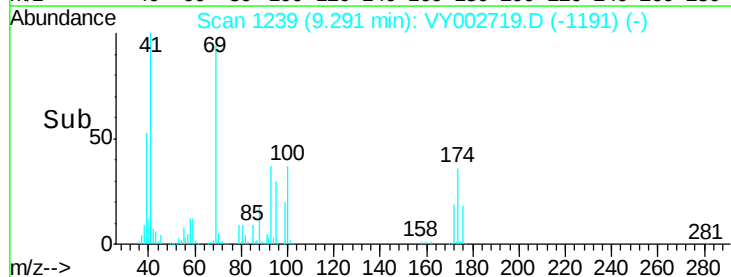
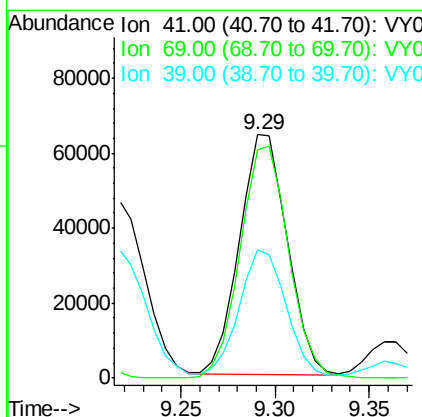
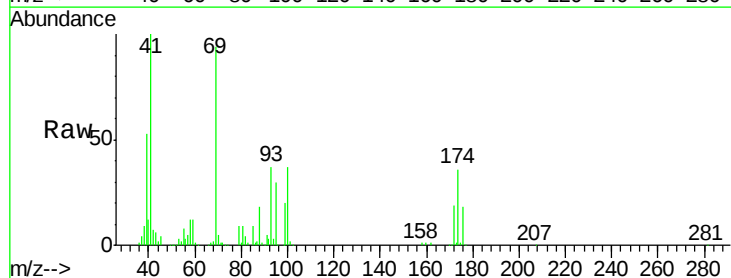
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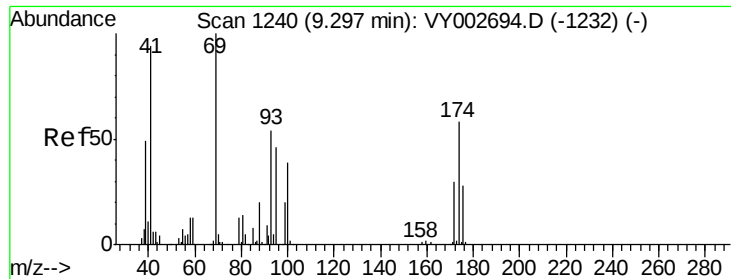
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#48
Methyl methacrylate
Concen: 49.484 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113186		
69	97.9		78.7	118.1
39	51.0		42.9	64.3





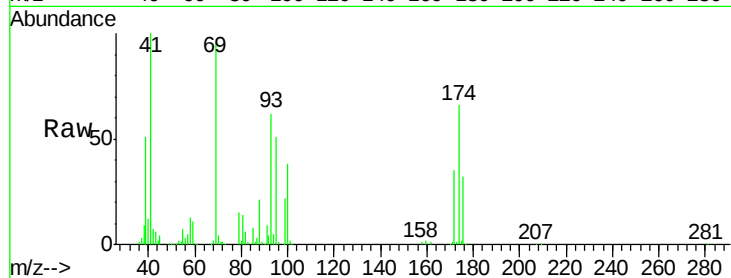
#49
1,4-Dioxane
Concen: 975.157 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.4	35.0
58	62.3	54.5	81.7

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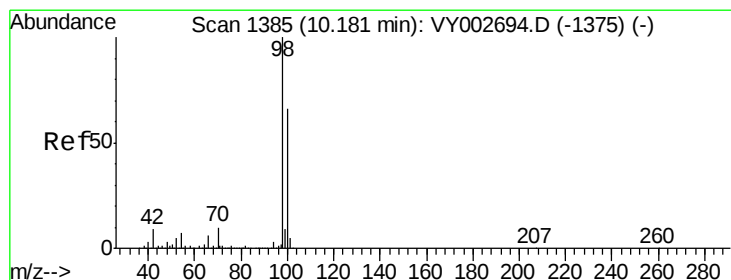
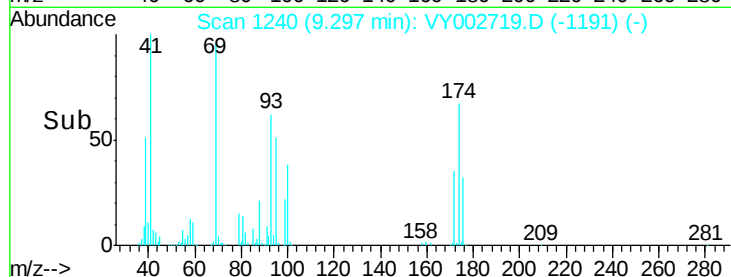
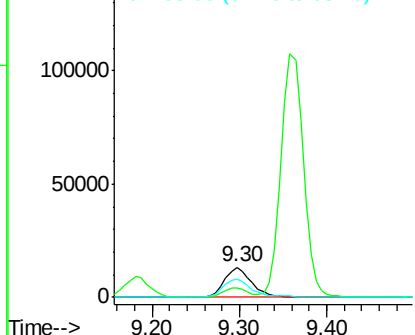


Abundance

Ion 88.00 (87.70 to 88.70): VY002719.D (-1191) (-)

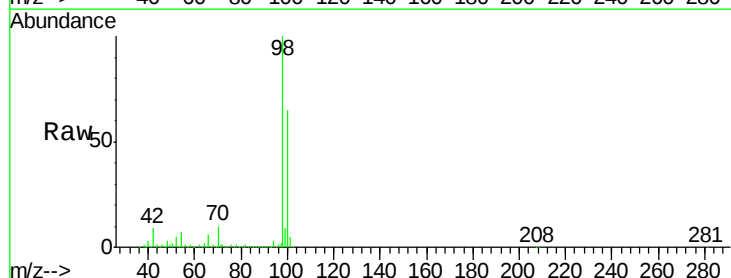
Ion 43.00 (42.70 to 43.70): VY002719.D (-1191) (-)

Ion 58.00 (57.70 to 58.70): VY002719.D (-1191) (-)



#50
Toluene-d8
Concen: 49.657 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

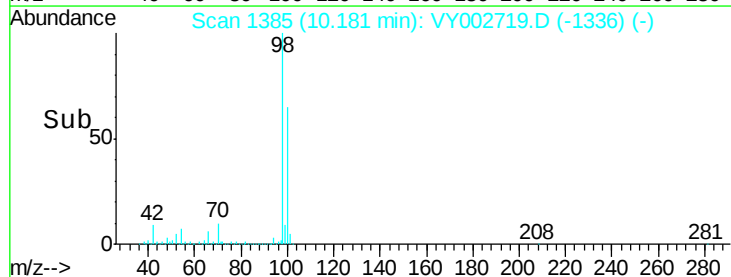
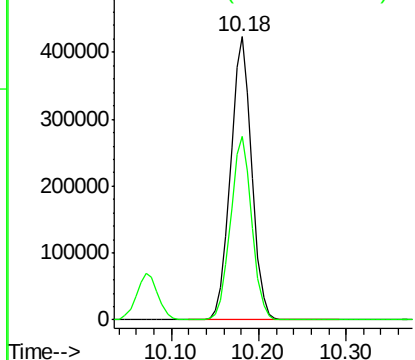
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

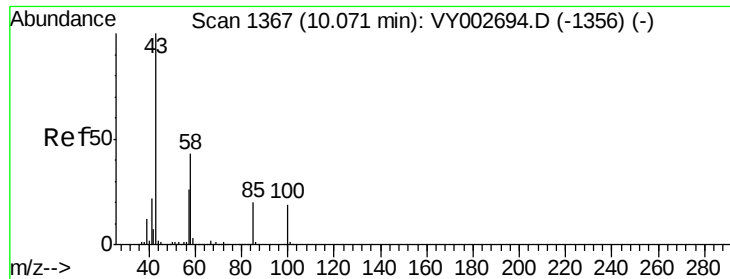


Abundance

Ion 98.00 (97.70 to 98.70): VY002719.D (-1336) (-)

Ion 100.00 (99.70 to 100.70): VY002719.D (-1336) (-)





#51

4-Methyl-2-Pentanone

Concen: 248.047 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 636203

Ion Ratio Lower Upper

43 100

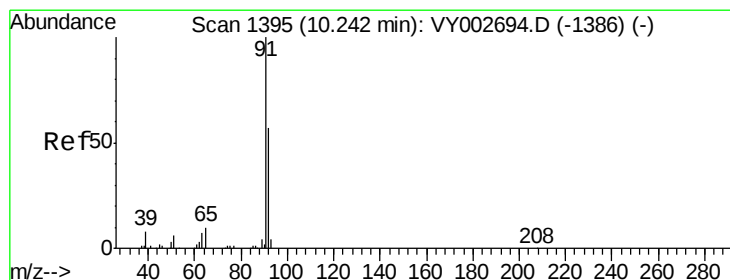
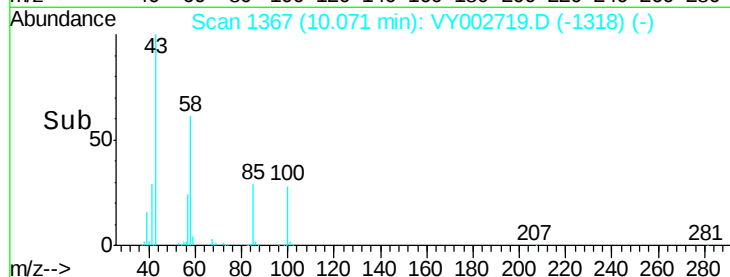
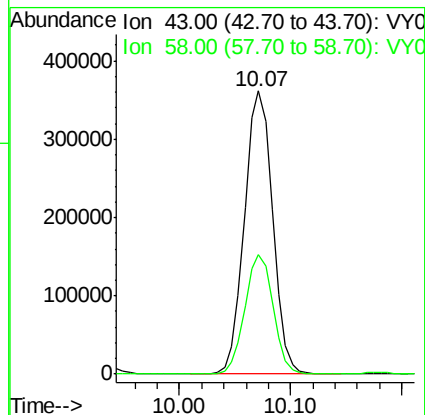
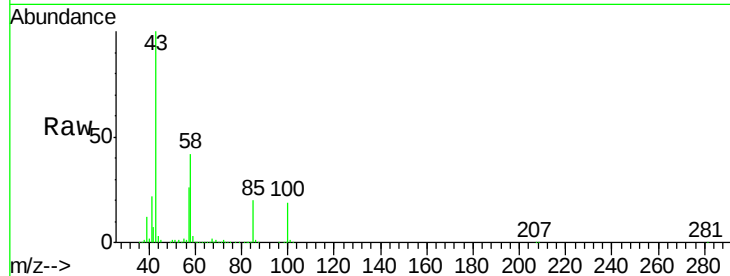
58 42.4 34.1 51.1

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#52

Toluene

Concen: 50.430 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002719.D

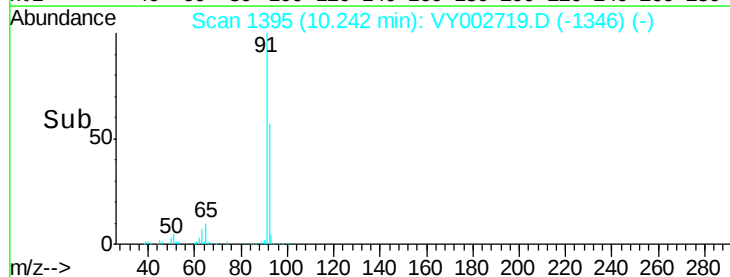
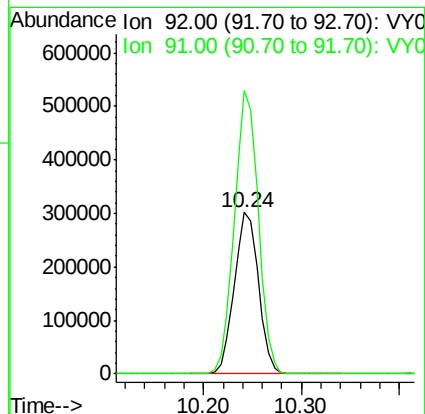
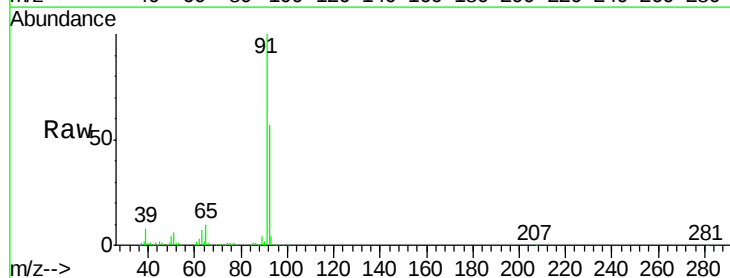
Acq: 20 May 2020 10:07

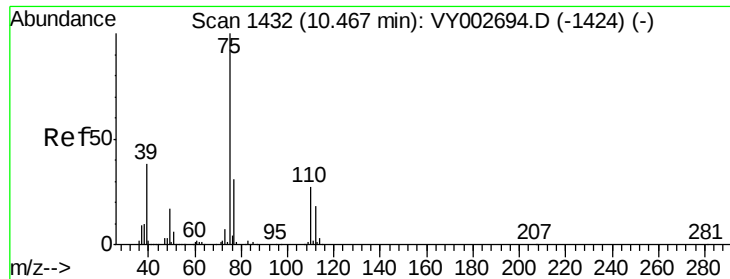
Tgt Ion: 92 Resp: 517521

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 50.868 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 280182

Ion Ratio Lower Upper

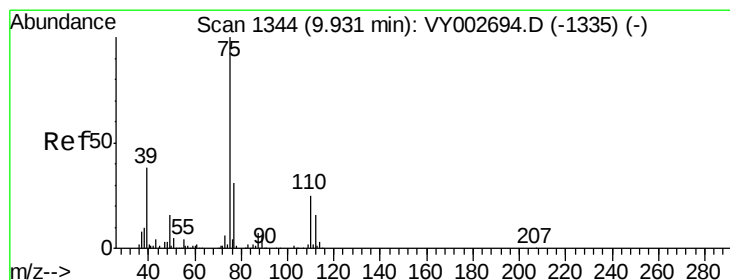
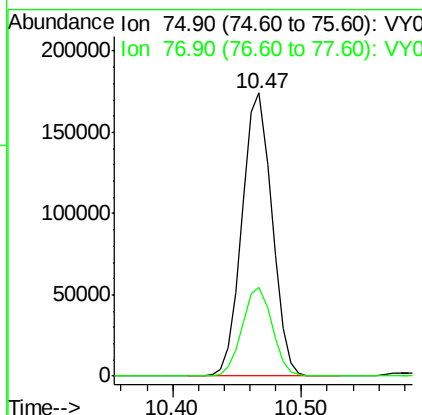
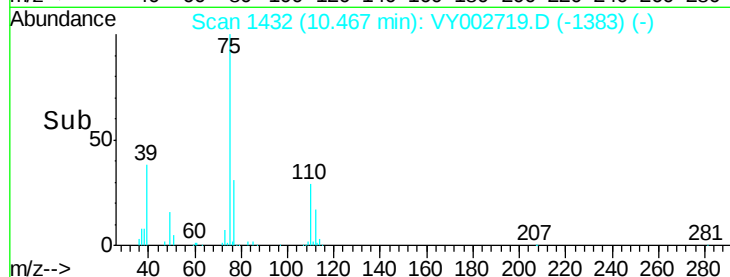
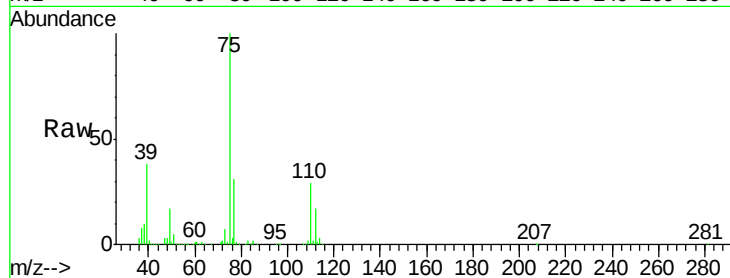
75 100

77 31.3 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 50.879 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

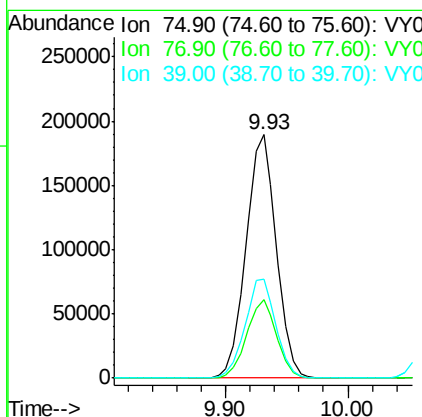
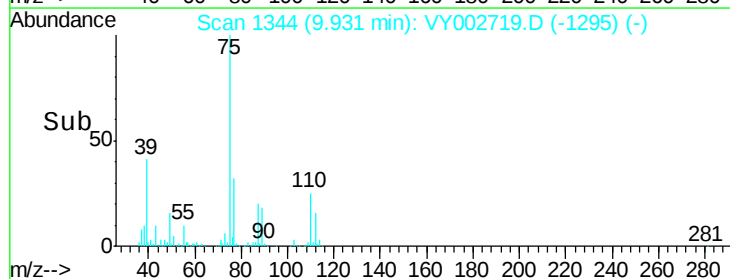
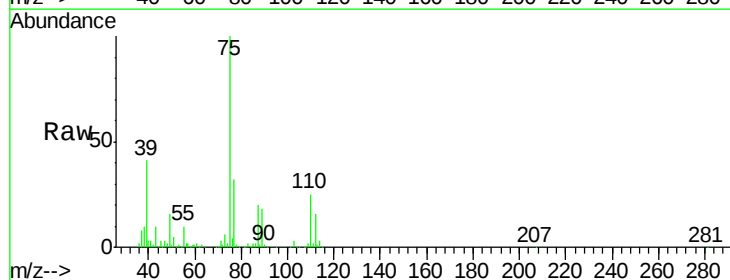
Tgt Ion: 75 Resp: 324880

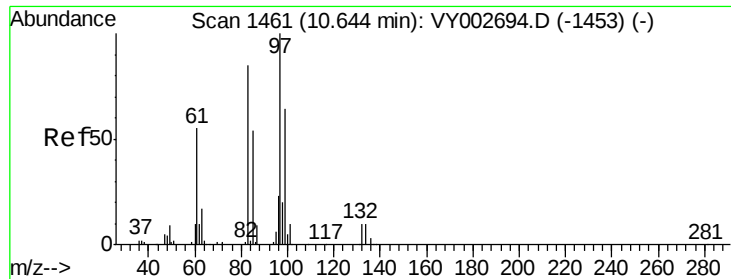
Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 40.6 30.7 46.1





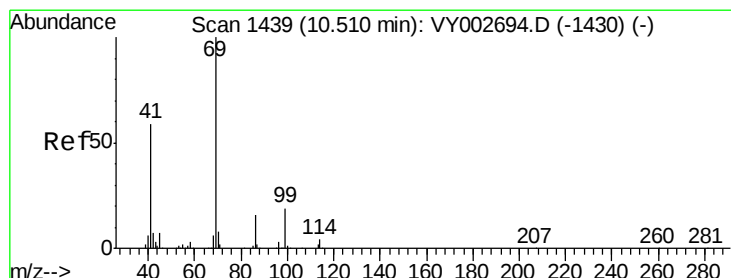
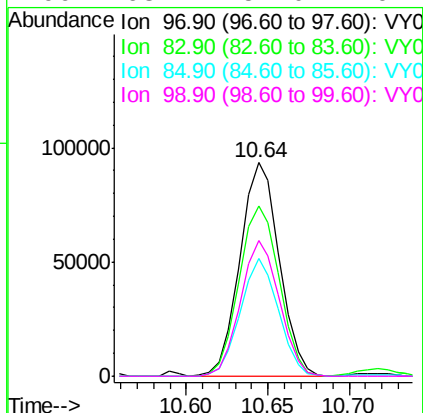
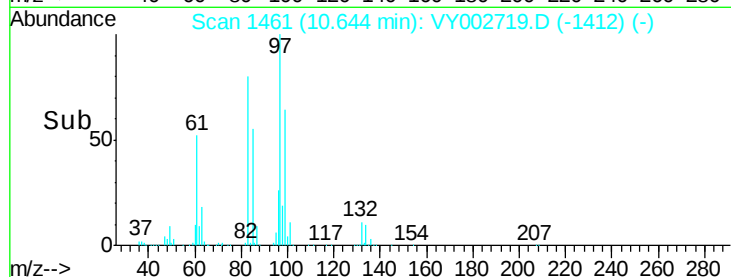
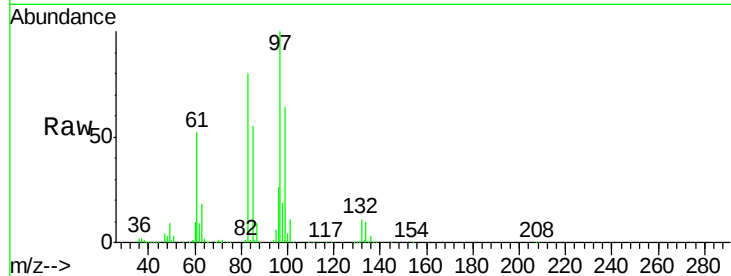
#55
 1,1,2-Trichloroethane
 Concen: 49.951 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		157244		
83	79.9	68.1	102.1		
85	54.9	43.1	64.7		
99	63.4	51.0	76.4		

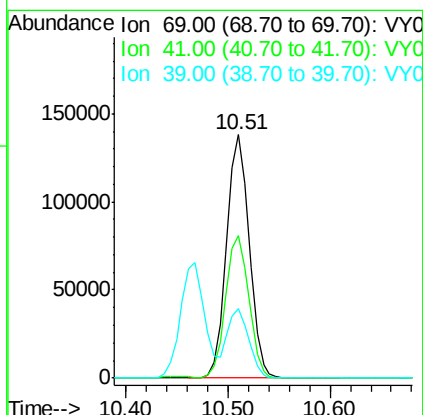
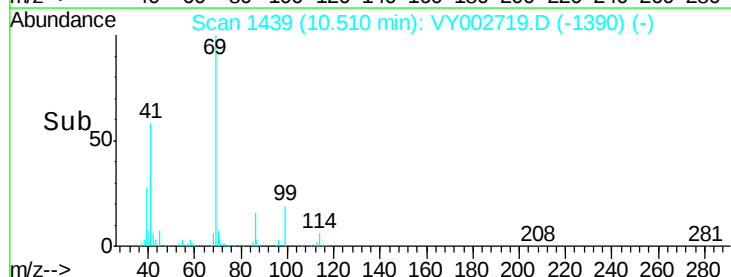
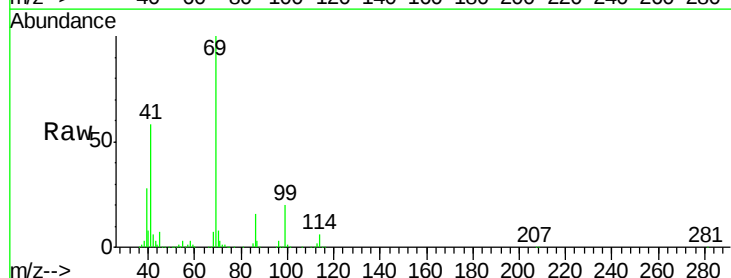
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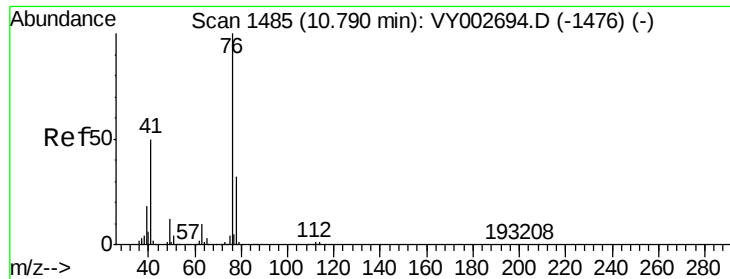
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#56
 Ethyl methacrylate
 Concen: 50.604 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		212075		
41	59.6	48.0	72.0		
39	26.5	22.1	33.1		





#57

1,3-Dichloropropane

Concen: 50.388 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 265810

Ion Ratio Lower Upper

76 100

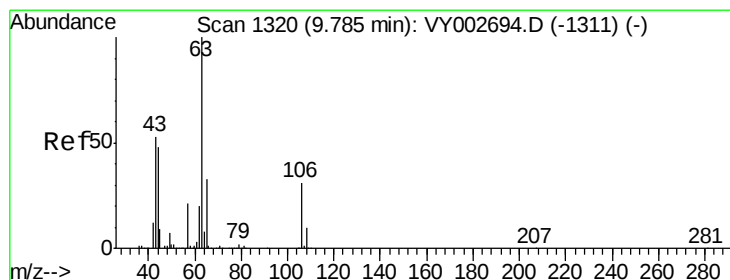
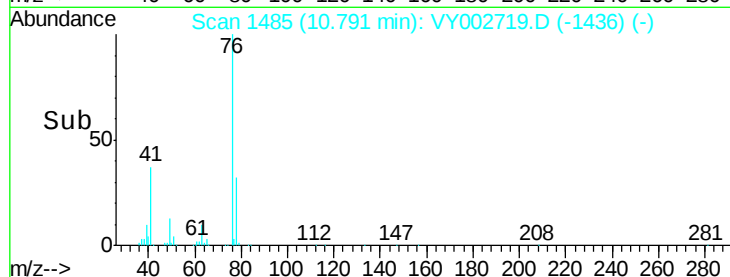
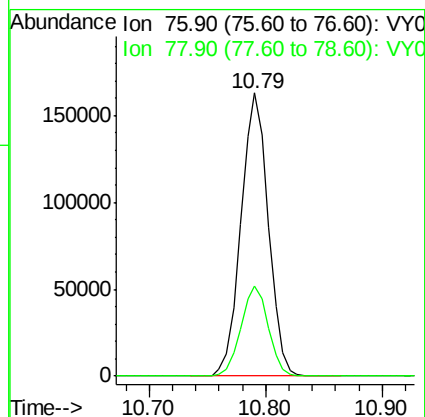
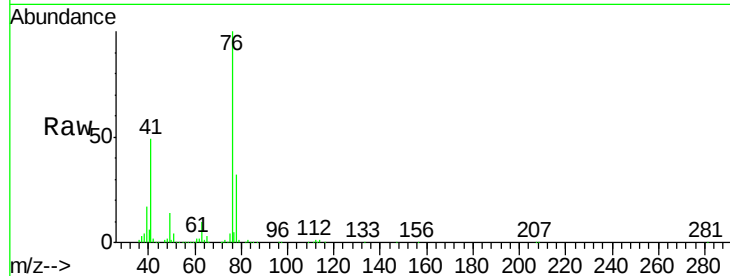
78 31.9 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 246.164 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002719.D

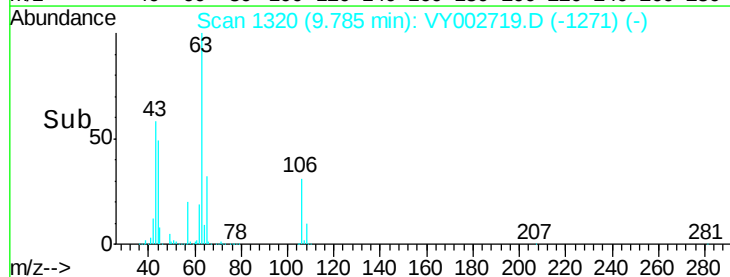
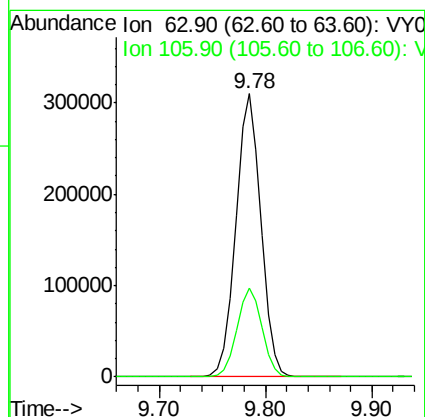
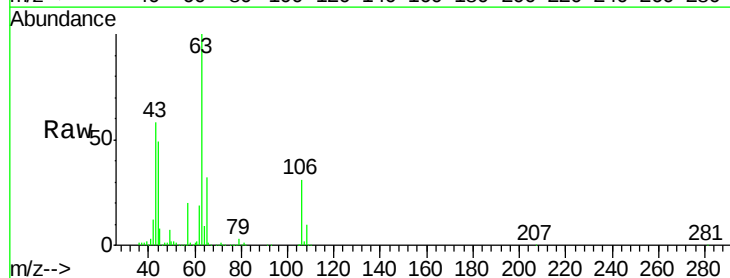
Acq: 20 May 2020 10:07

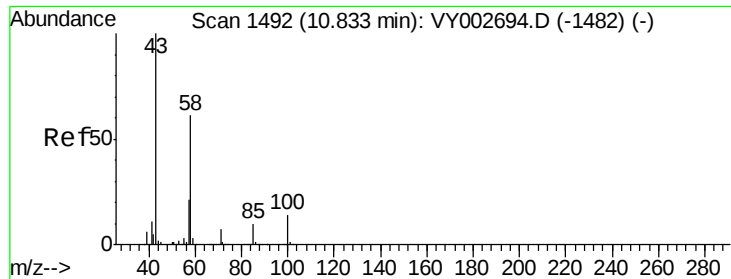
Tgt Ion: 63 Resp: 509293

Ion Ratio Lower Upper

63 100

106 31.5 25.1 37.7





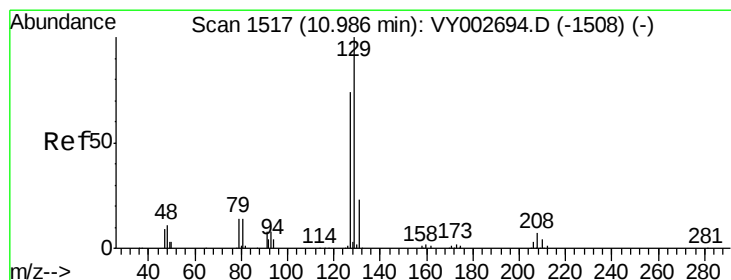
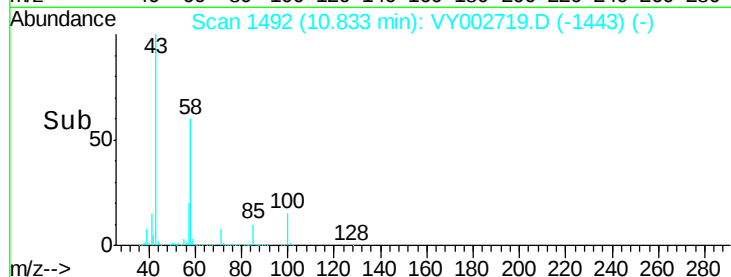
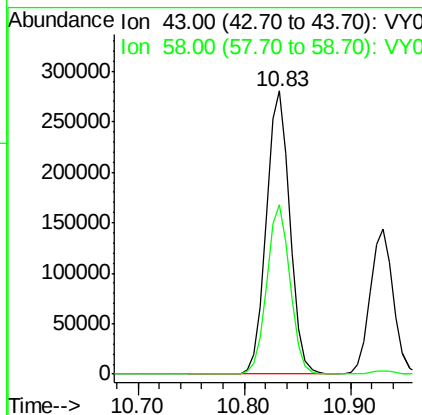
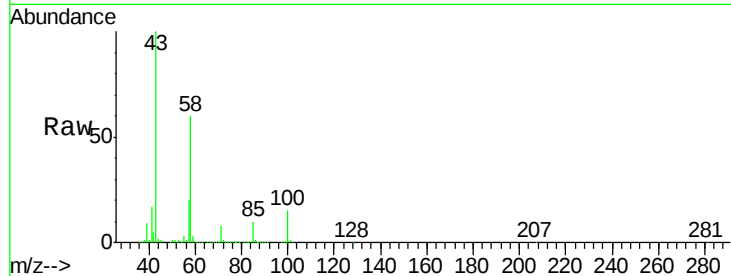
#59
2-Hexanone
Concen: 243.003 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 434229
Ion Ratio Lower Upper
43 100
58 59.0 29.8 89.4

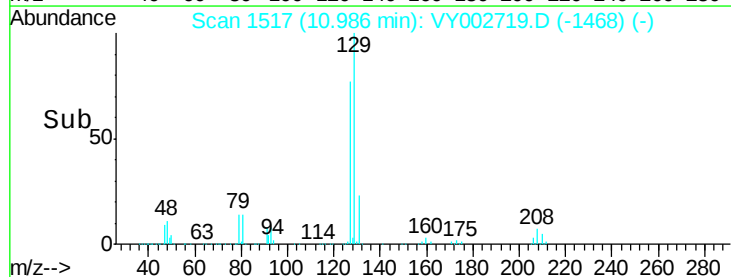
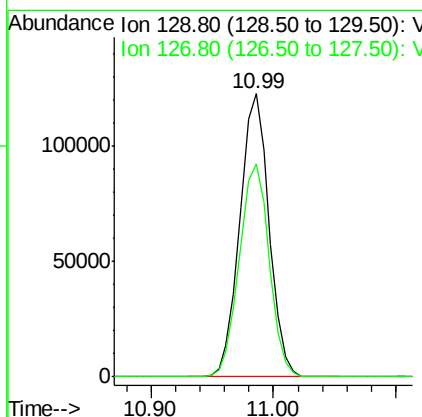
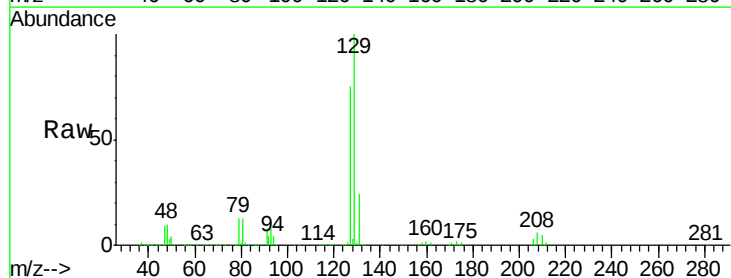
Manual Integrations
APPROVED

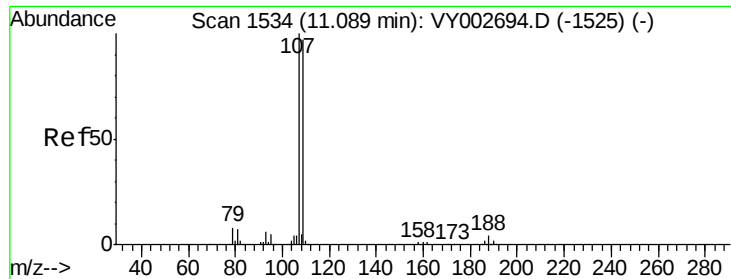
MMDadoda
5/21/2020 1:14:35 PM



#60
Dibromochloromethane
Concen: 50.574 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion: 129 Resp: 203391
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





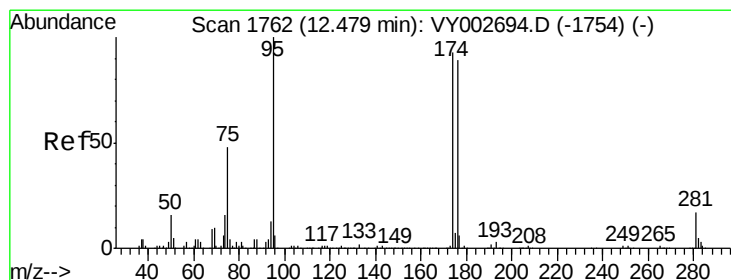
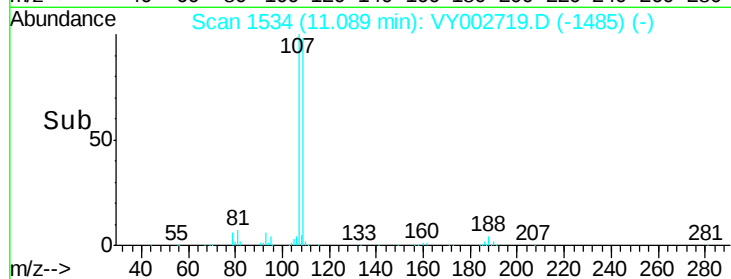
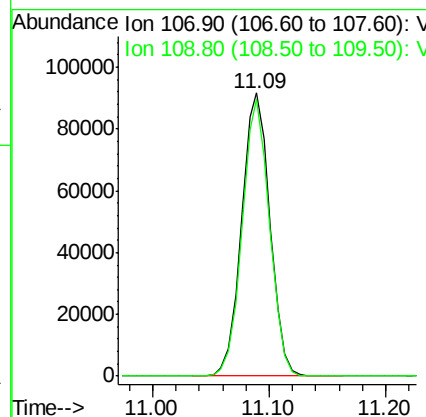
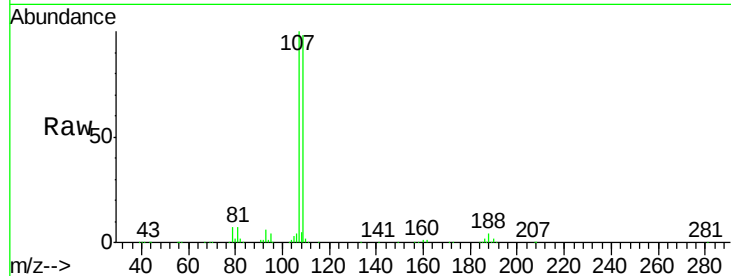
#61
 1,2-Dibromoethane
 Concen: 49.927 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.1	114.1

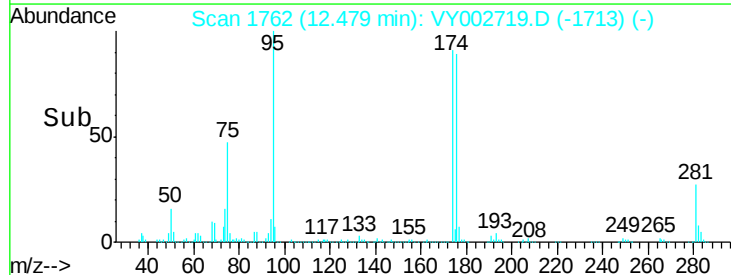
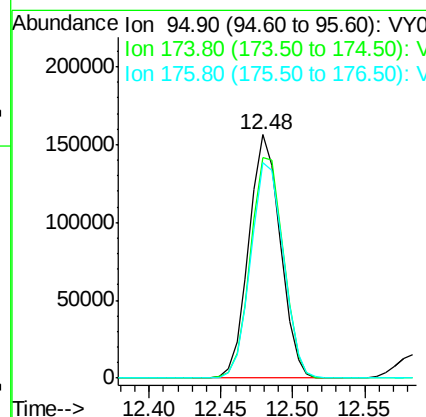
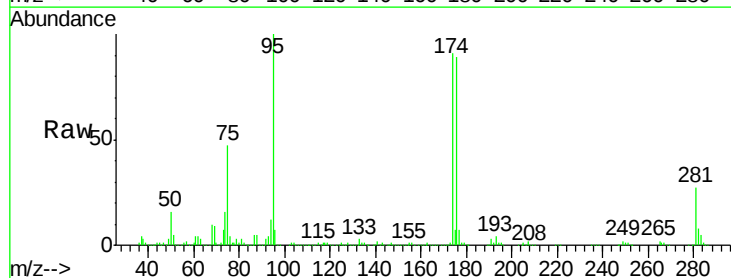
Manual Integrations
 APPROVED

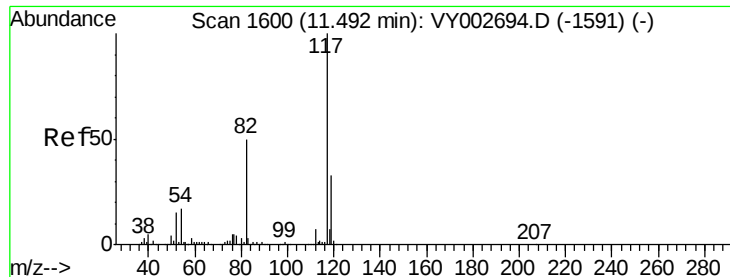
MMDadoda
 5/21/2020 1:14:35 PM



#62
 4-Bromofluorobenzene
 Concen: 48.011 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	191.4
176	91.8	0.0	186.0





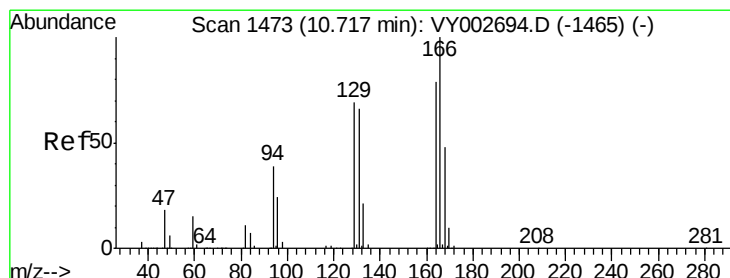
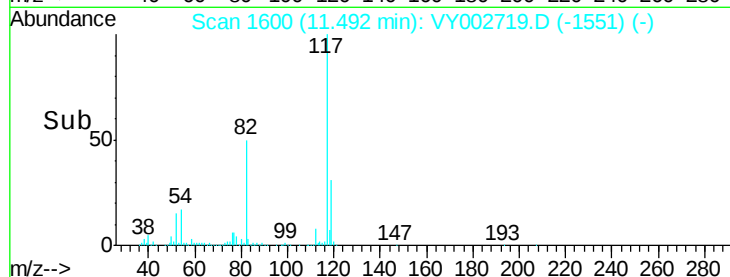
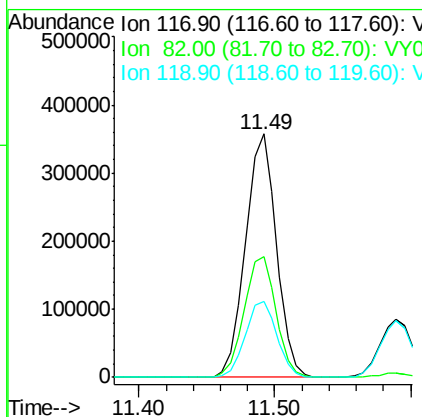
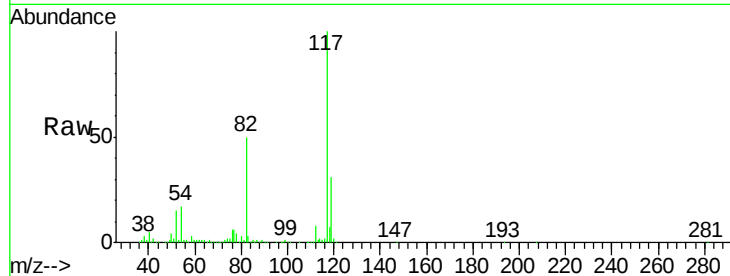
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	569163		
82	49.6		40.3	60.5
119	31.4		26.2	39.4

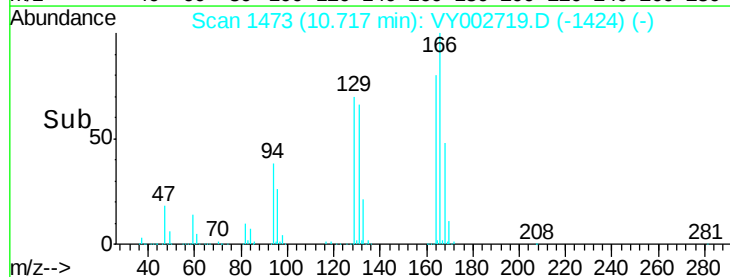
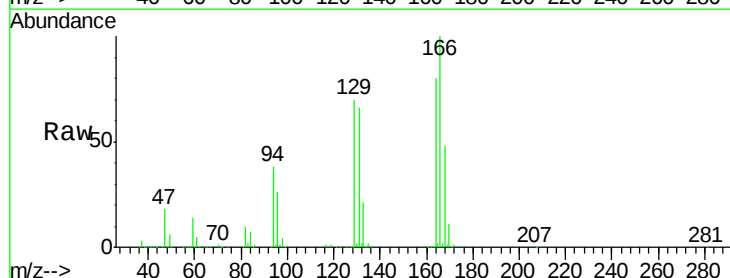
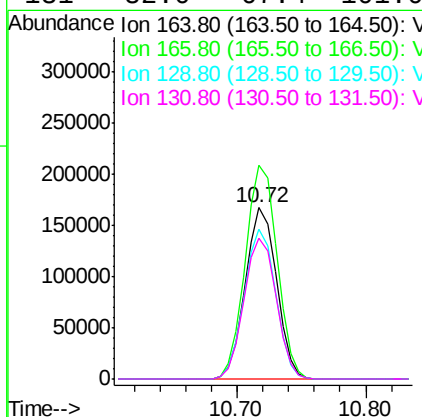
Manual Integrations
APPROVED

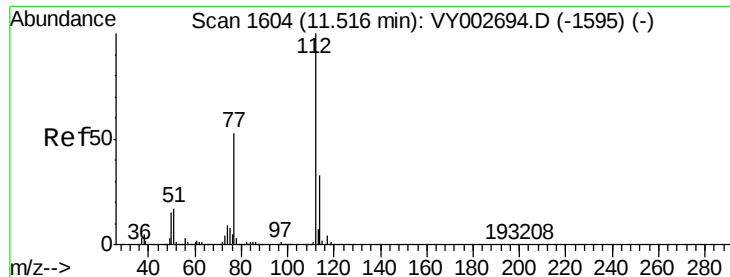
MMDadoda
5/21/2020 1:14:35 PM



#64
Tetrachloroethene
Concen: 51.964 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280789		
166	124.5		101.6	152.4
129	87.6		70.2	105.4
131	82.0		67.4	101.0





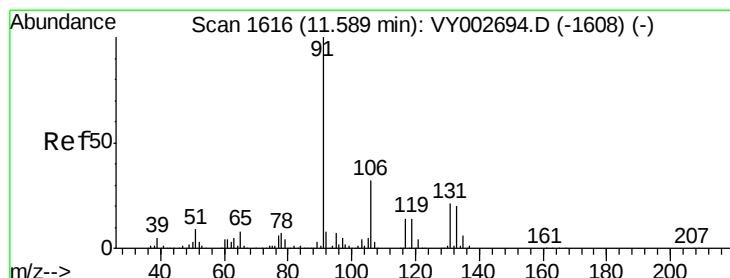
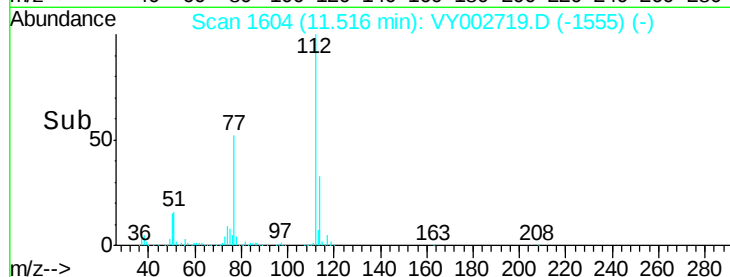
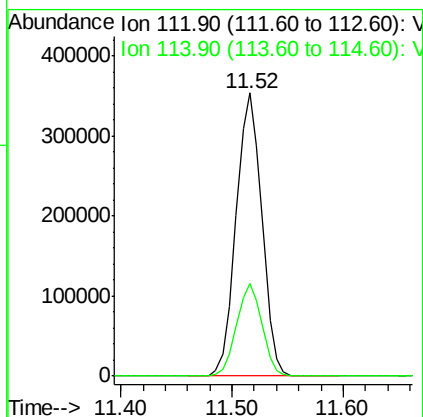
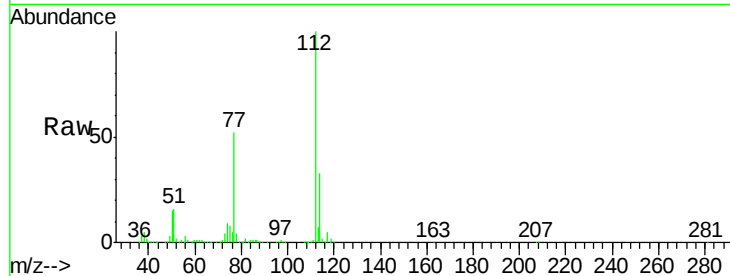
#65
Chlorobenzene
Concen: 51.272 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.1	39.1

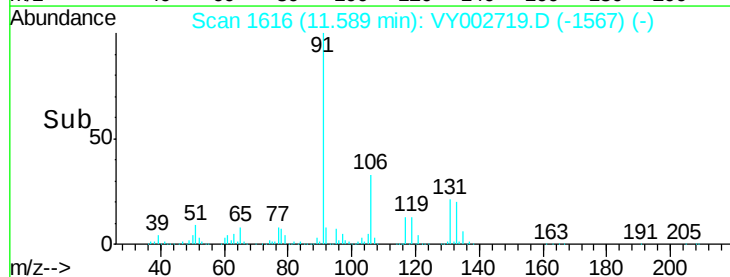
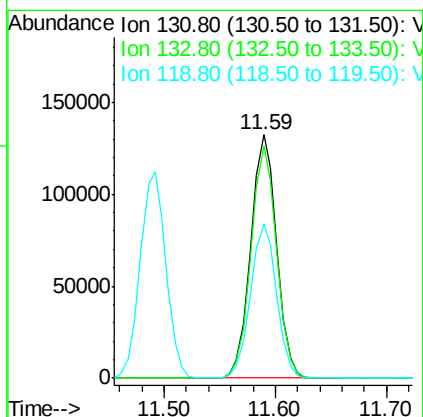
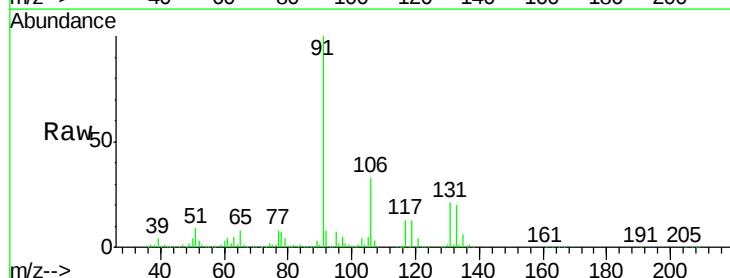
Manual Integrations
APPROVED

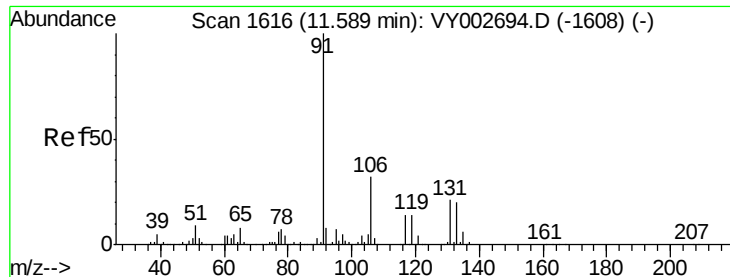
MMDadoda
5/21/2020 1:14:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.307 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.3
119	63.8	31.6	94.8





#67

Ethyl Benzene

Concen: 52.080 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1005724

Ion Ratio Lower Upper

91 100

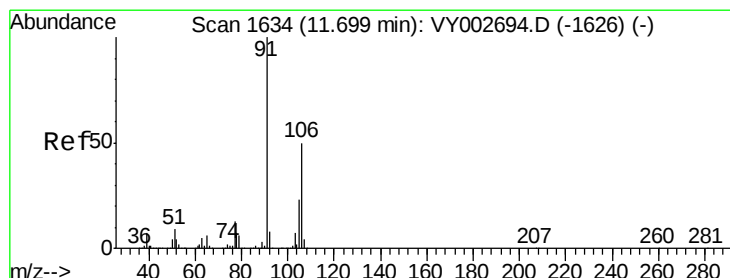
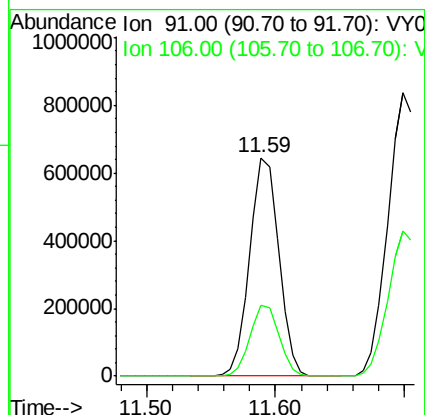
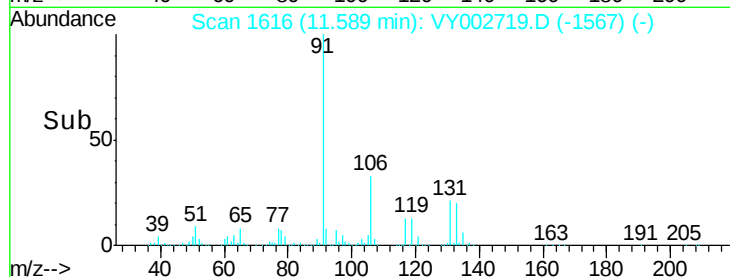
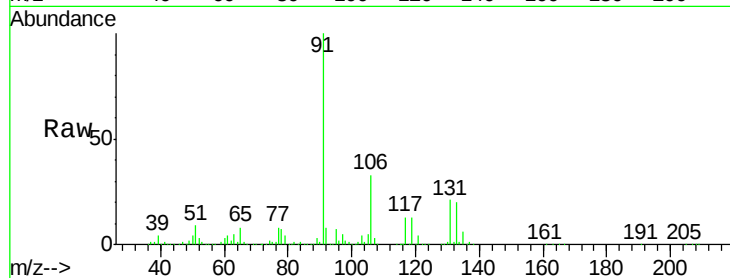
106 32.5 26.0 39.0

Manual Integrations

APPROVED

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5/21/2020 1:14:35 PM



#68

m/p-Xylenes

Concen: 104.090 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002719.D

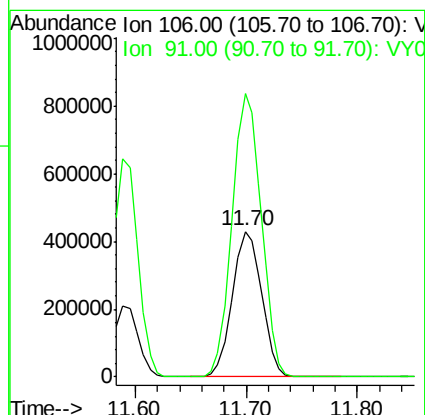
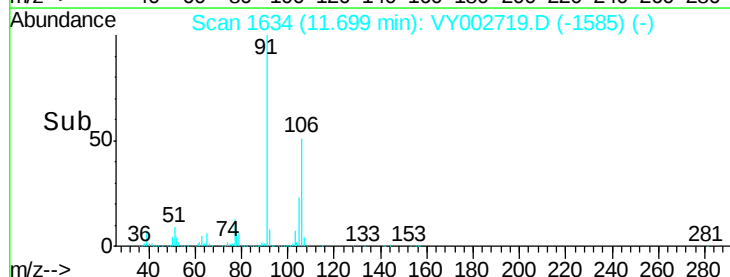
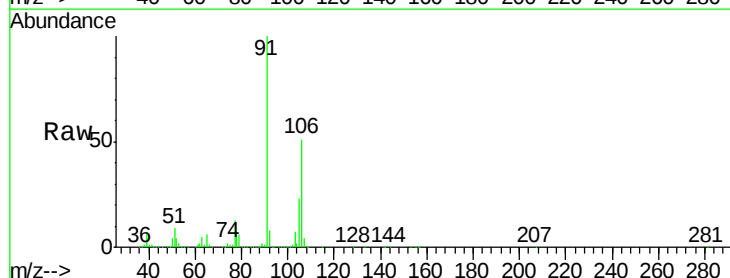
Acq: 20 May 2020 10:07

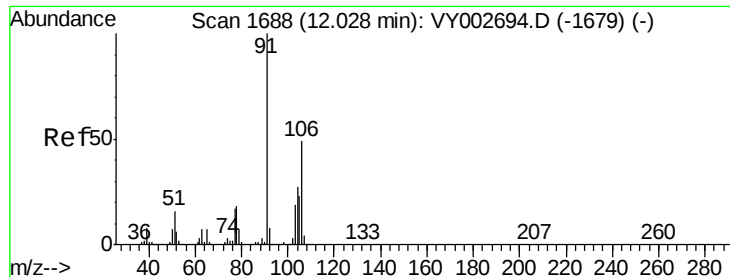
Tgt Ion: 106 Resp: 782026

Ion Ratio Lower Upper

106 100

91 194.3 156.2 234.4





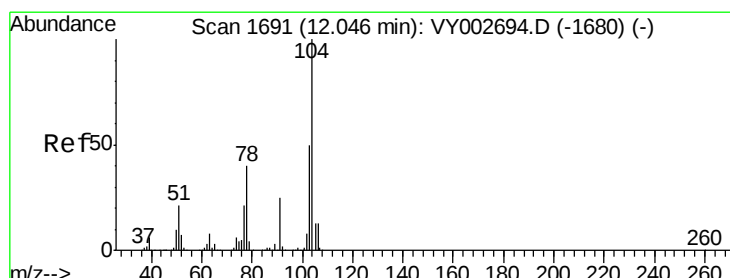
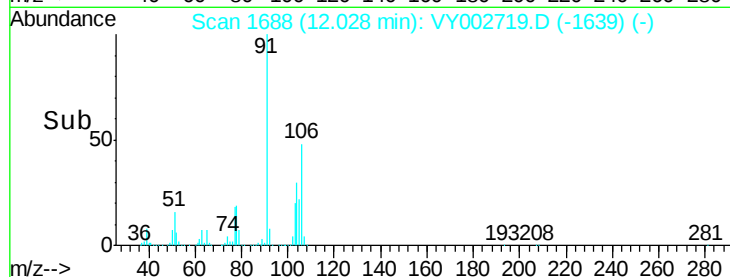
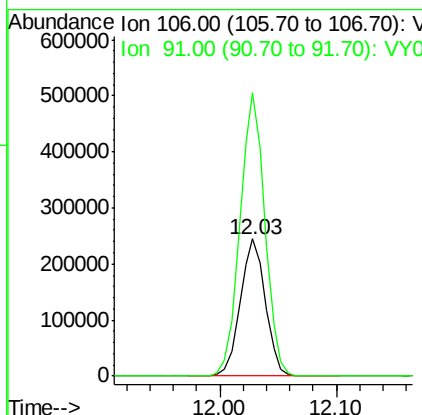
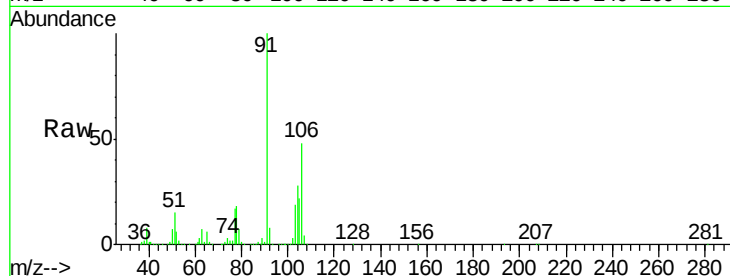
#69
o-Xylene
Concen: 52.014 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	205.1	103.5	310.3

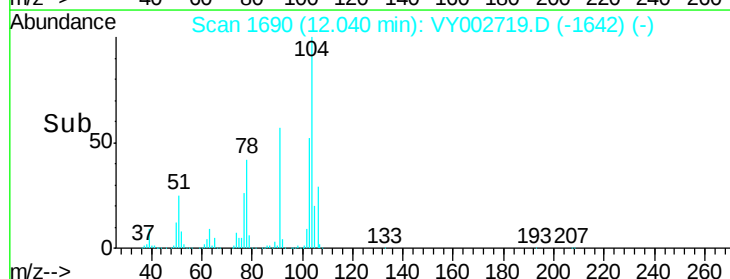
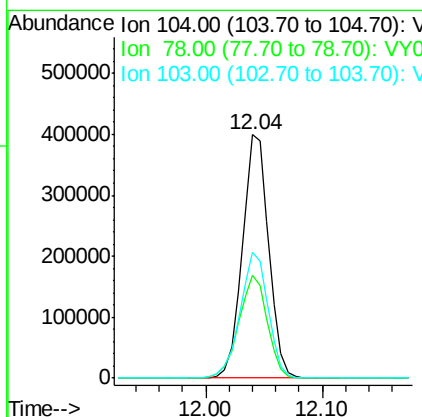
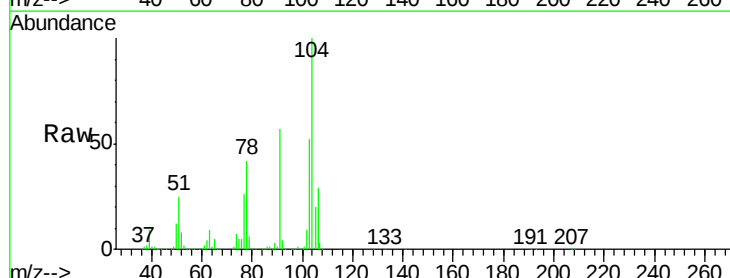
Manual Integrations
APPROVED

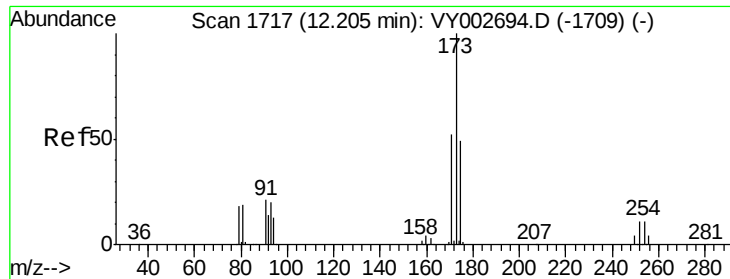
MMDadoda
5/21/2020 1:14:35 PM



#70
Styrene
Concen: 51.771 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	46.0	36.6	54.8
103	103	55.4	44.1	66.1





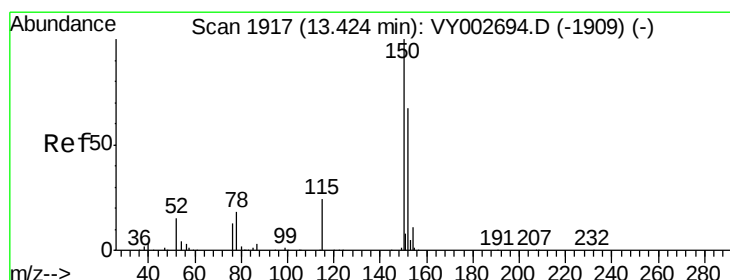
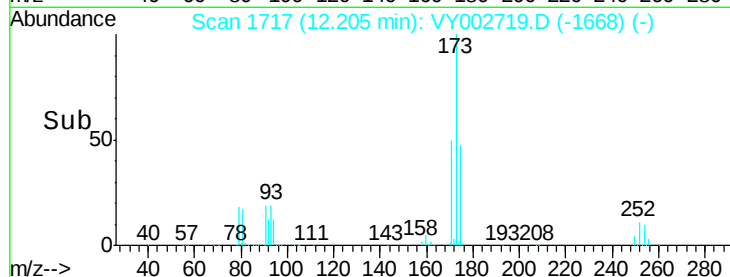
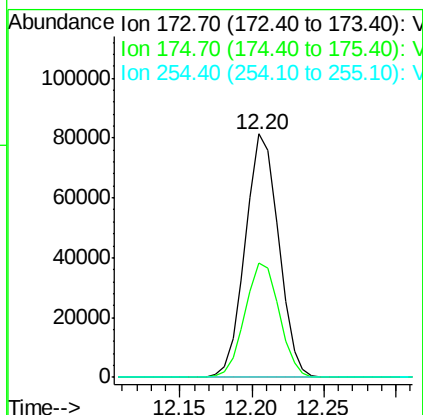
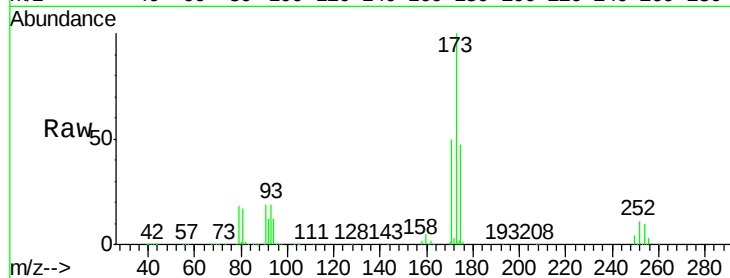
#71
Bromoform
Concen: 51.759 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.2	0.1	0.1#

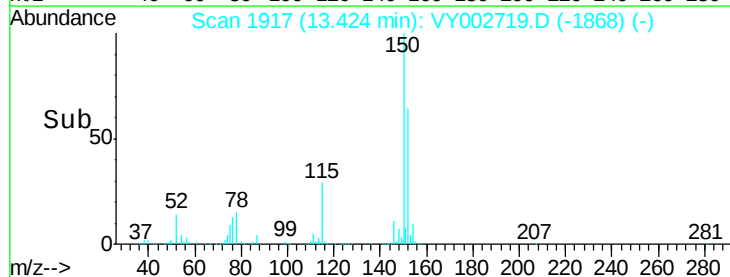
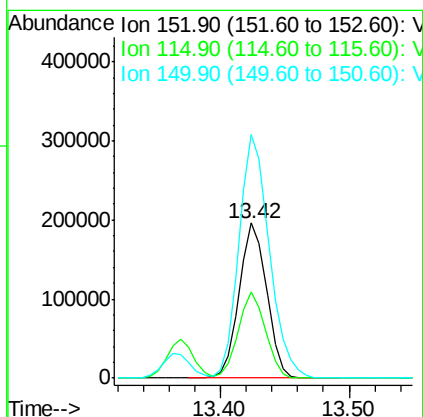
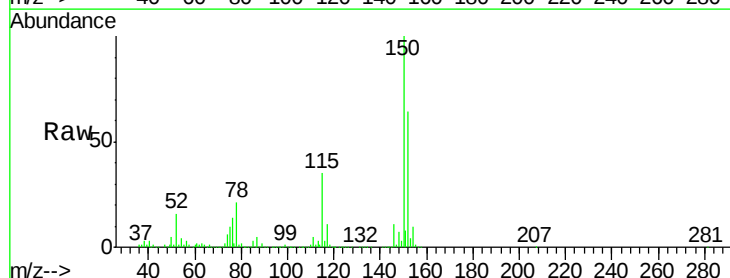
Manual Integrations
APPROVED

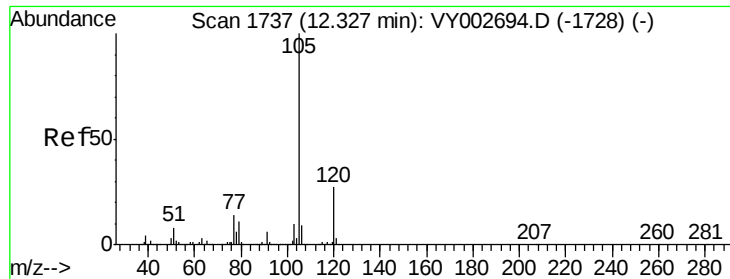
MMDadoda
5/21/2020 1:14:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	172.8	0.0	343.8





#73

Isopropylbenzene

Concen: 52.780 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1002494

Ion Ratio Lower Upper

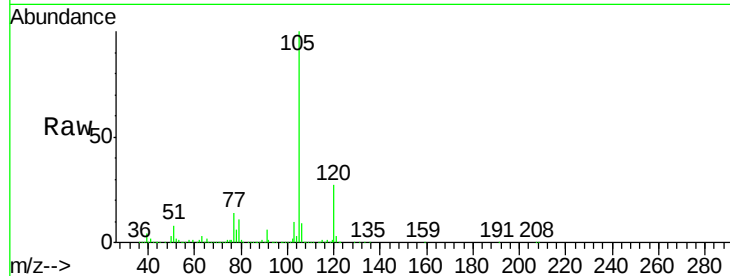
105 100

120 27.7 13.7 41.1

Manual Integrations
APPROVED

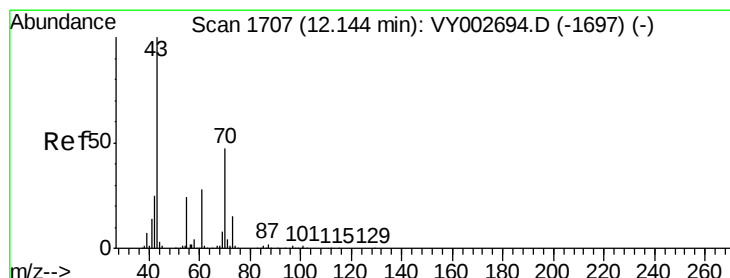
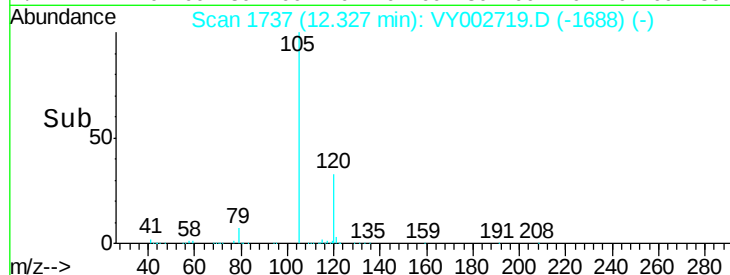
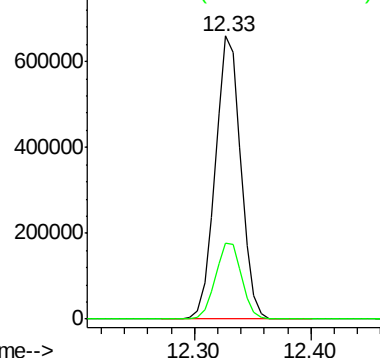
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.741 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion: 43 Resp: 230613

Ion Ratio Lower Upper

43 100

70 47.7 37.7 56.5

55 24.1 19.4 29.0

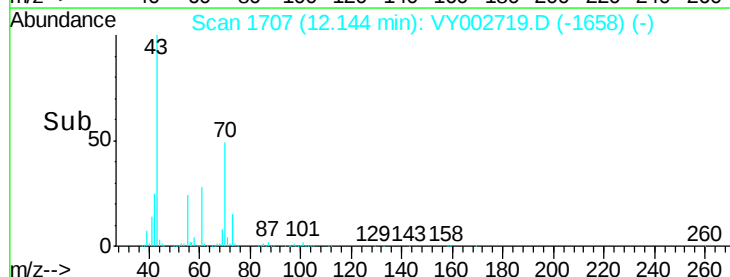
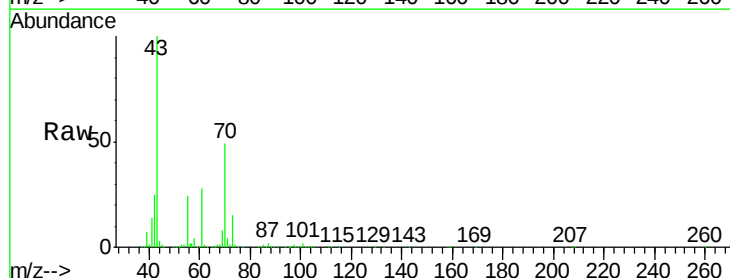
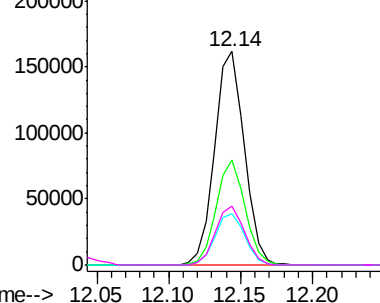
61 27.1 21.3 31.9

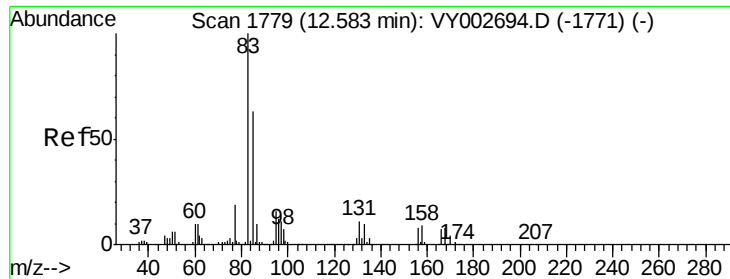
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.743 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

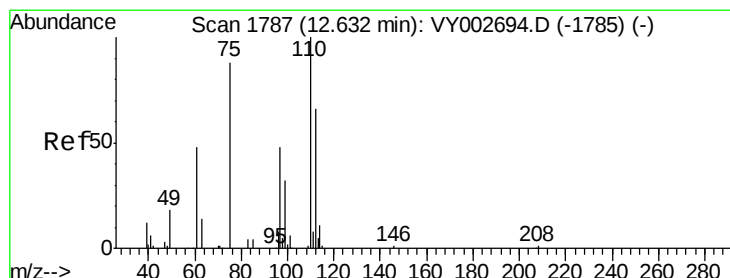
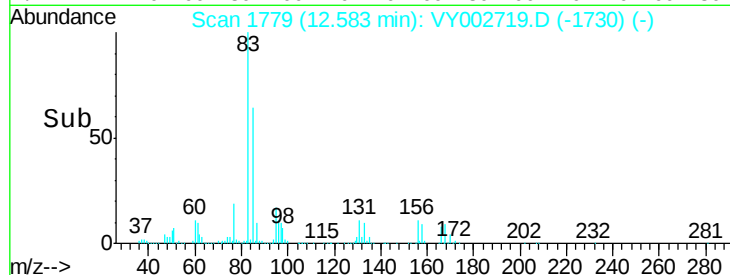
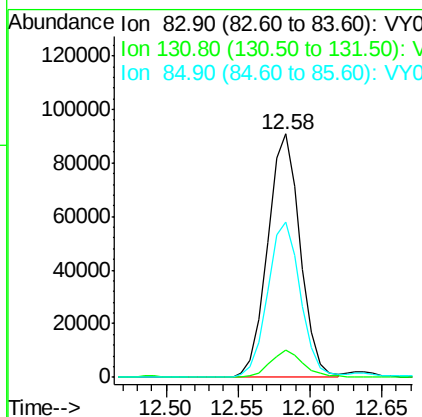
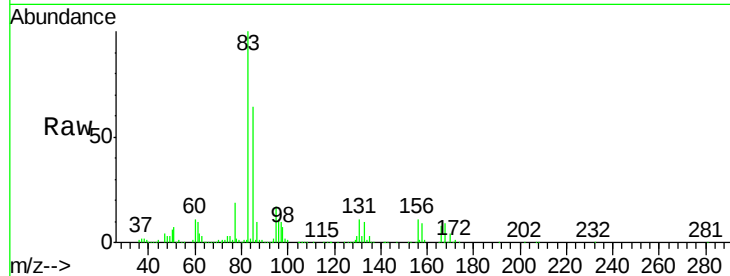
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141925
Ion Ratio		Lower	Upper
83	100		
131	11.5	5.8	17.3
85	64.3	31.9	95.9

Manual Integrations
APPROVED

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5/21/2020 1:14:35 PM



#76

1,2,3-Trichloropropane

Concen: 50.056 ug/l m

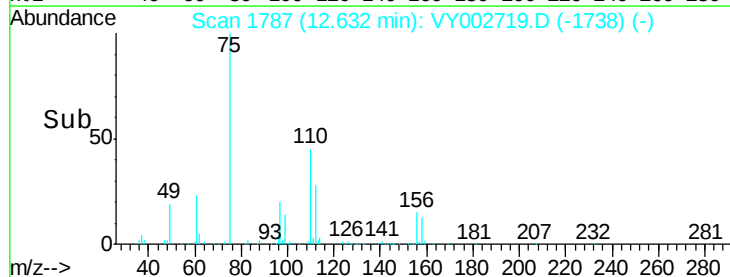
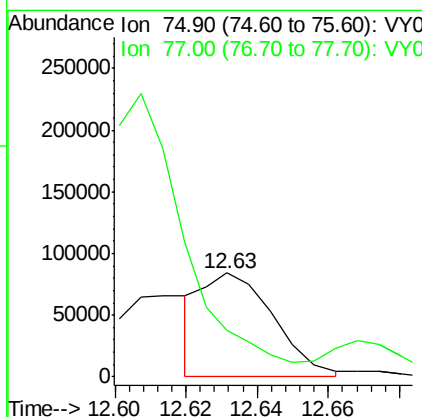
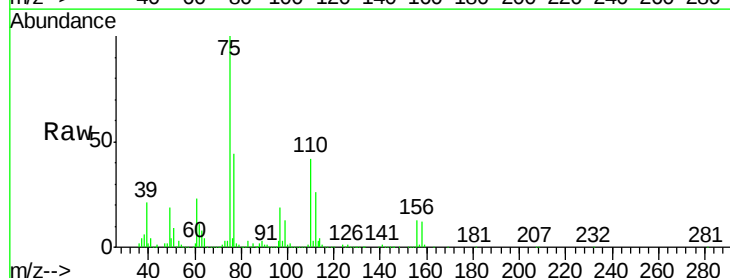
RT: 12.63 min Scan# 1787

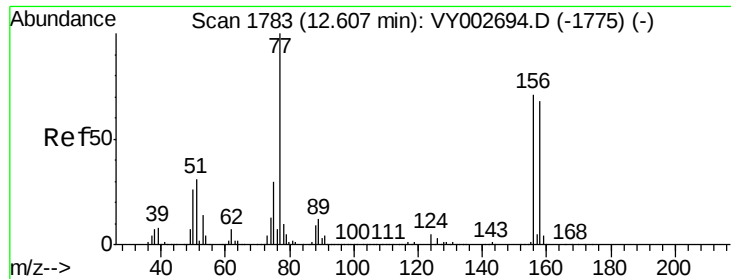
Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	75	Resp:	119526
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





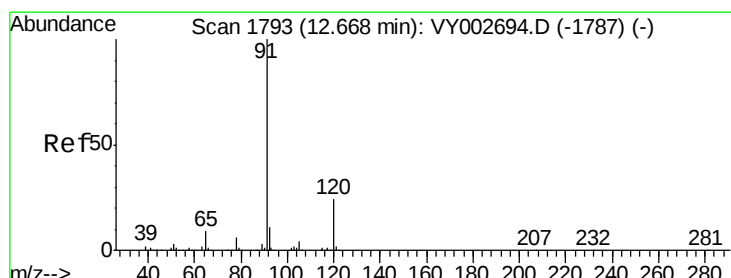
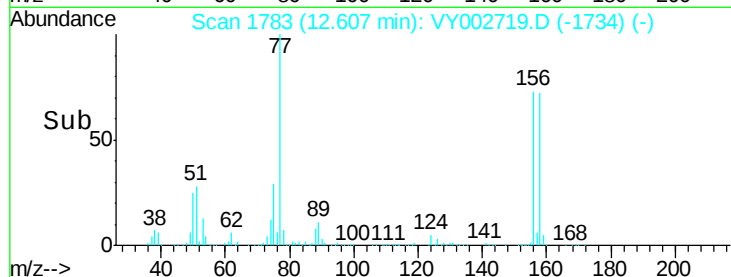
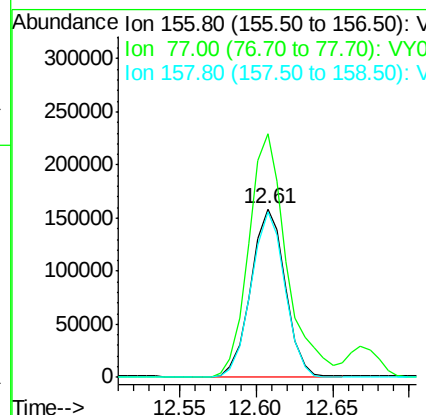
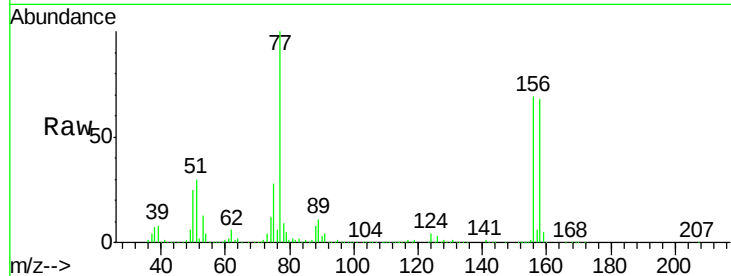
#77
Bromobenzene
Concen: 52.003 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.0	80.8	242.3
158	97.1	49.0	147.0

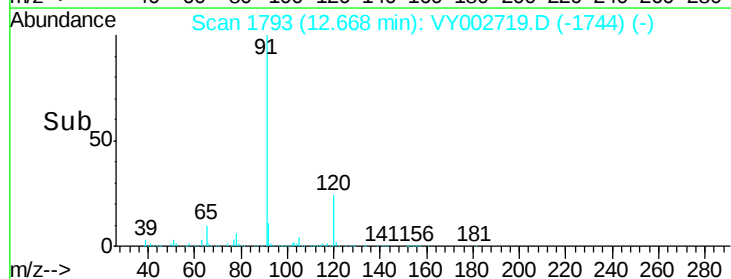
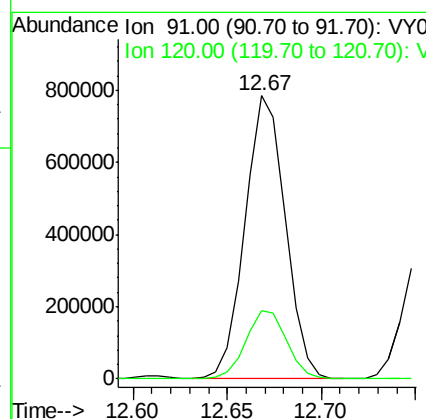
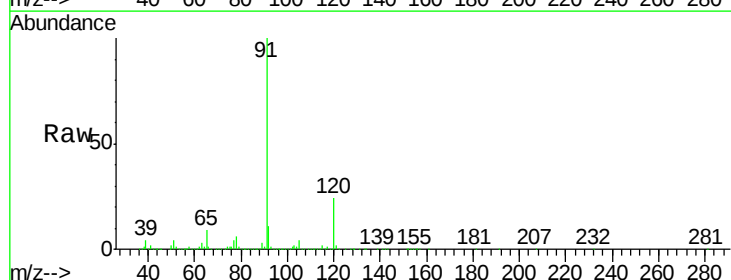
Manual Integrations
APPROVED

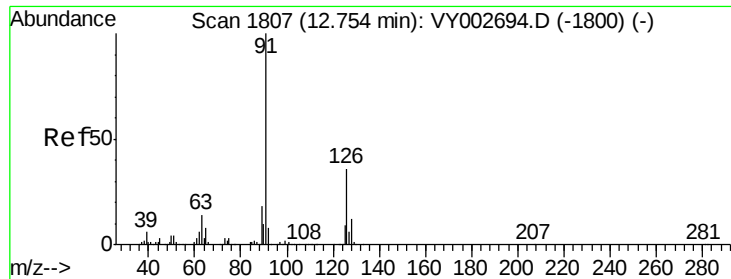
MMDadoda
5/21/2020 1:14:35 PM



#78
n-propylbenzene
Concen: 52.704 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





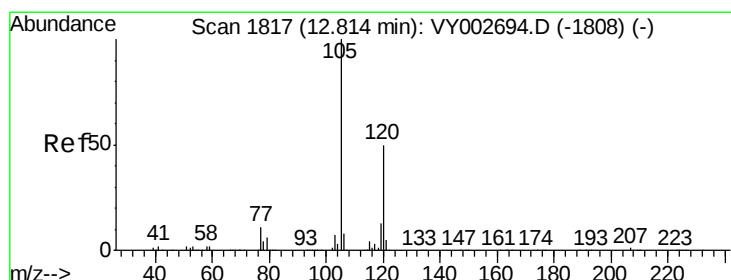
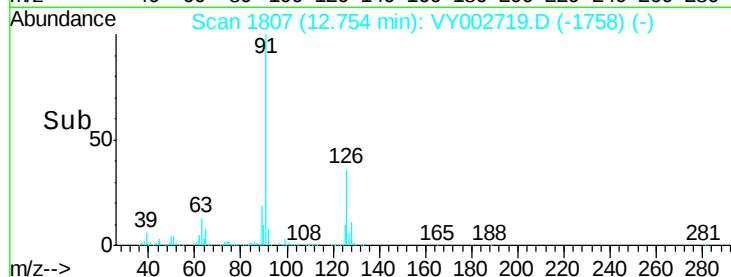
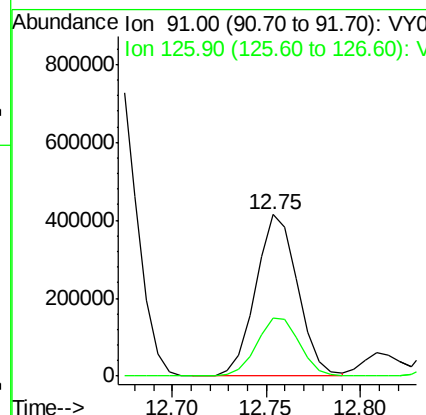
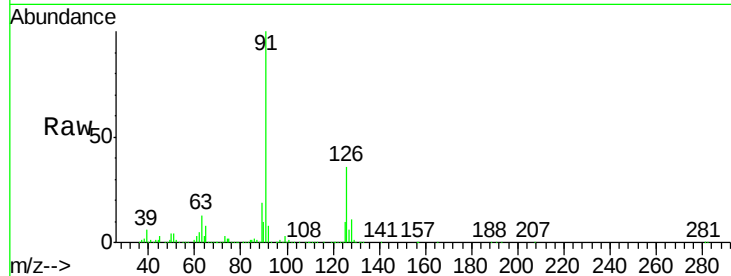
#79
2-Chlorotoluene
Concen: 52.079 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.4	55.0

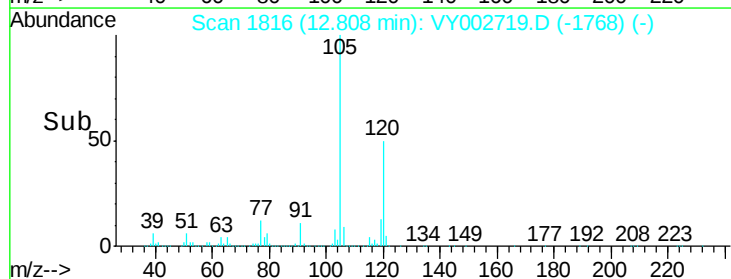
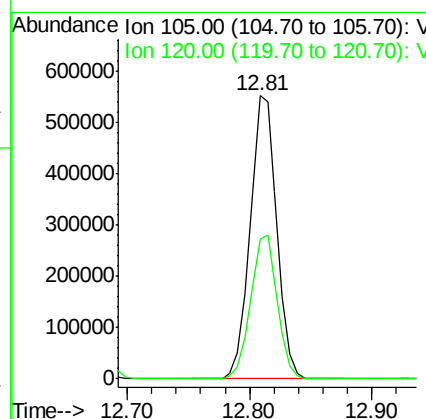
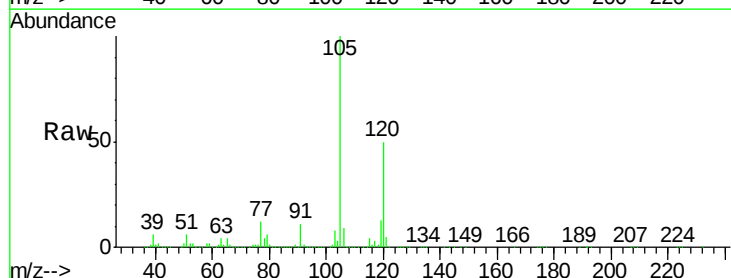
Manual Integrations
APPROVED

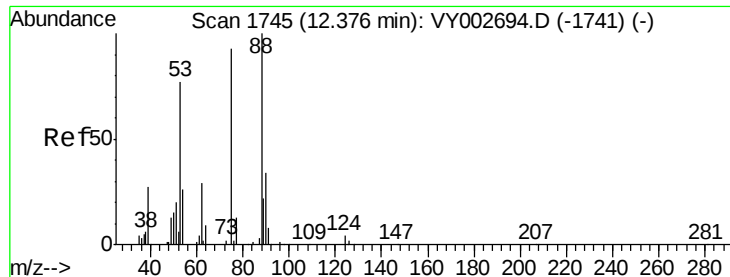
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#80
1,3,5-Trimethylbenzene
Concen: 51.929 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.1	75.4





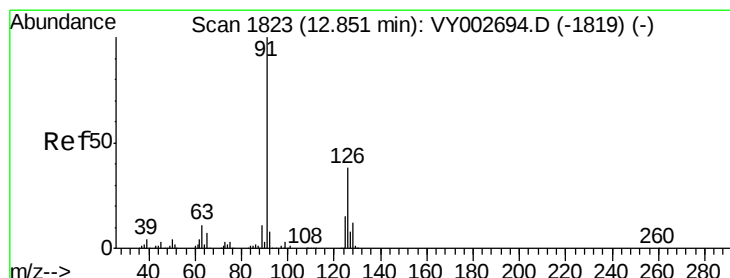
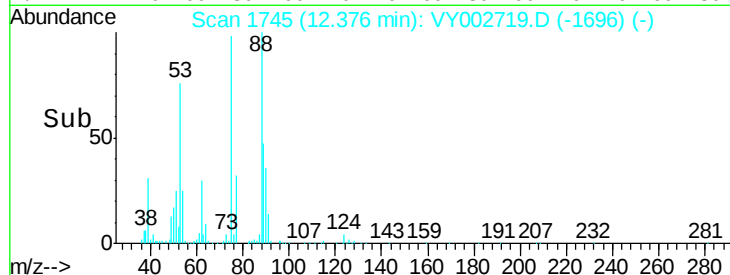
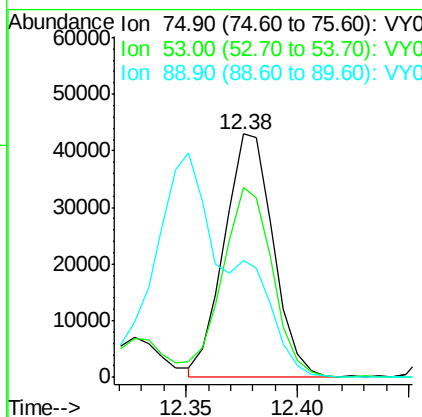
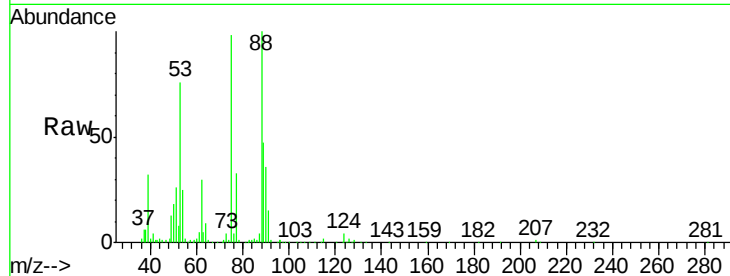
#81
trans-1,4-Dichloro-2-butene
Concen: 51.589 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.8	65.0	97.6
89	0.0	66.6	99.8#

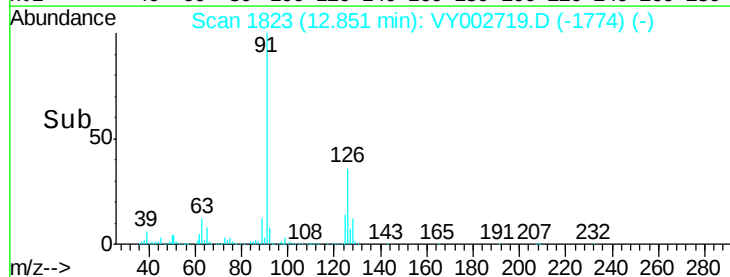
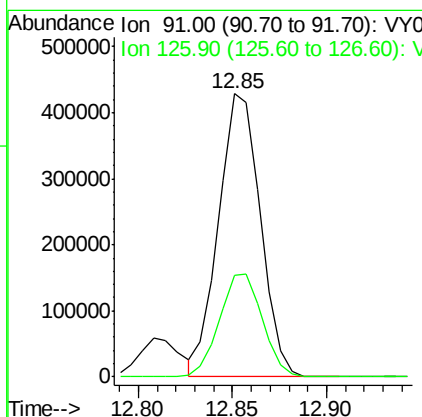
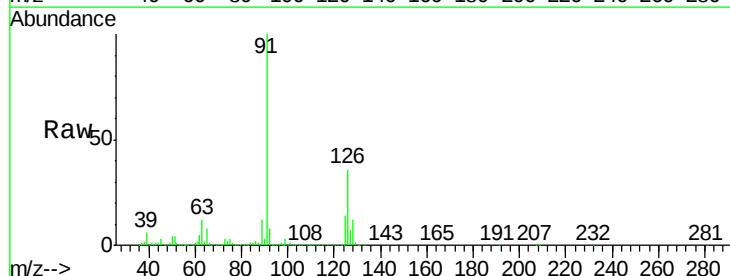
Manual Integrations
APPROVED

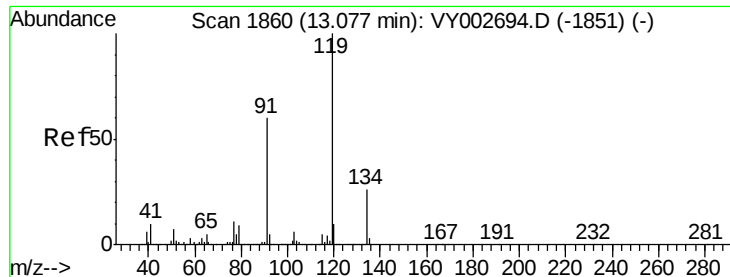
MMDadoda
5/21/2020 1:14:35 PM



#82
4-Chlorotoluene
Concen: 51.305 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.6	56.0





#83

tert-Butylbenzene

Concen: 52.340 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

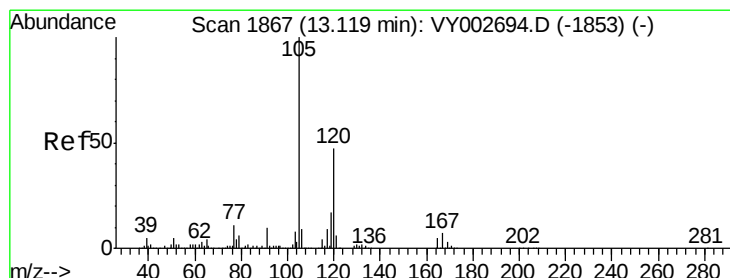
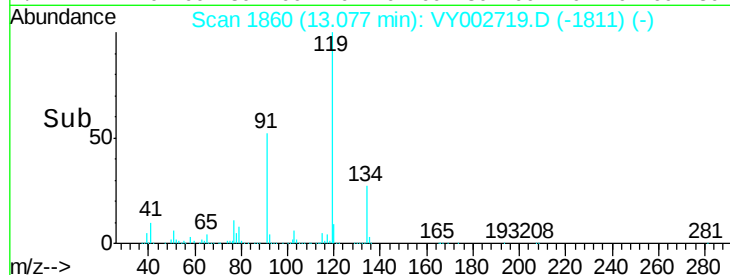
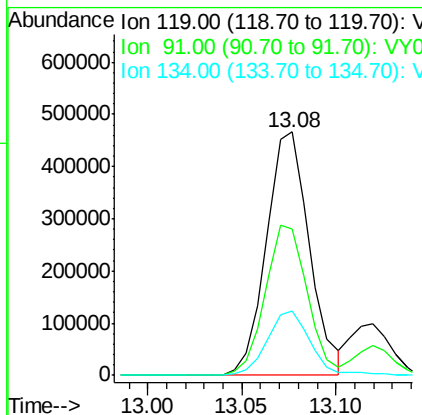
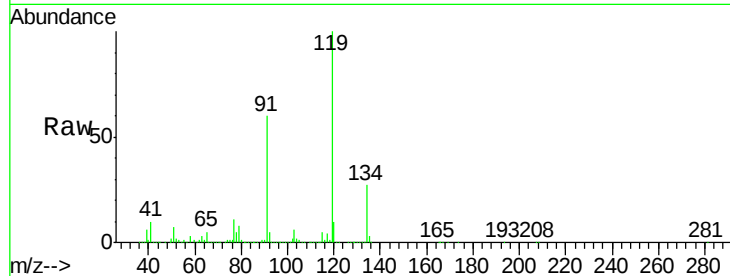
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	739265
Ion Ratio	Lower	Upper	
119	100		
91	60.3	30.4	91.2
134	26.7	13.4	40.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.653 ug/l

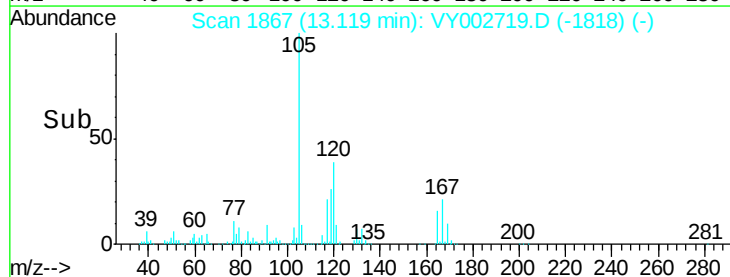
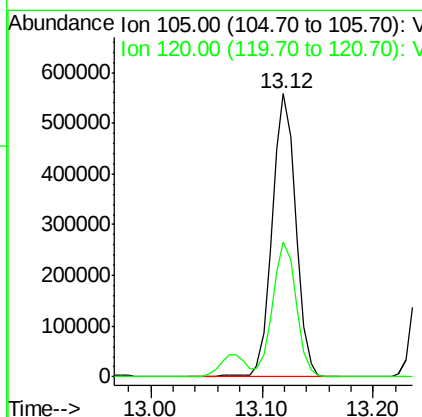
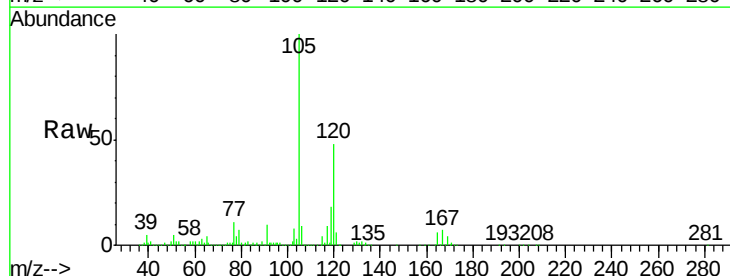
RT: 13.12 min Scan# 1867

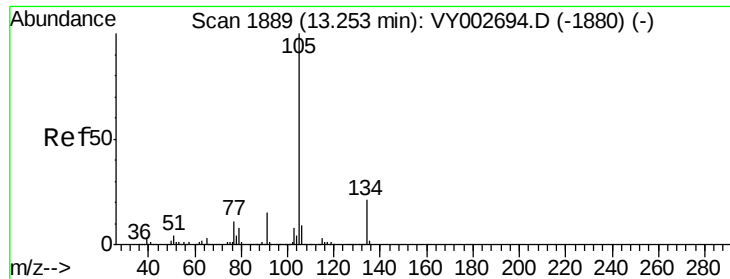
Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	105	Resp:	823864
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 52.347 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1020264

Ion Ratio Lower Upper

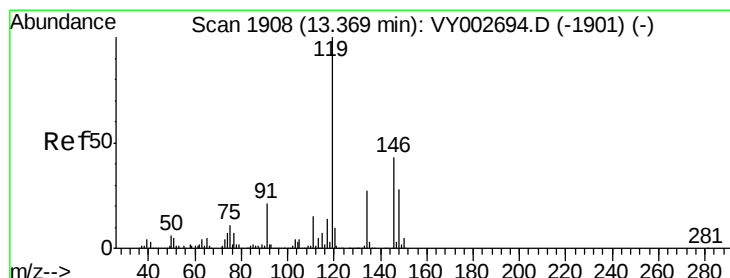
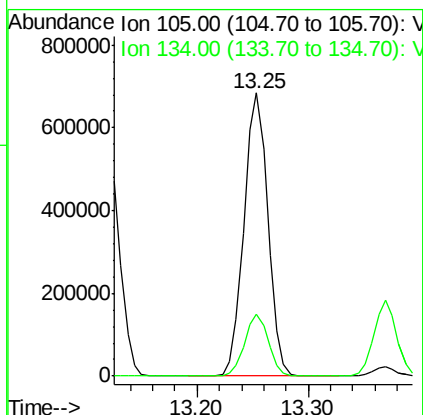
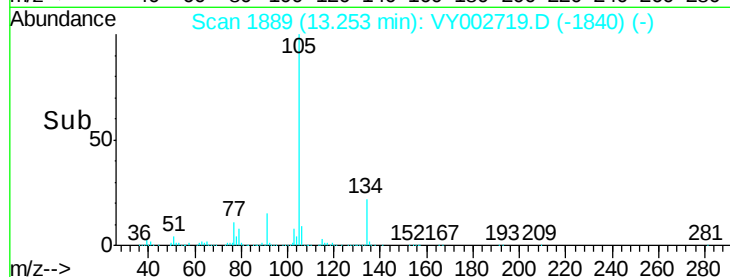
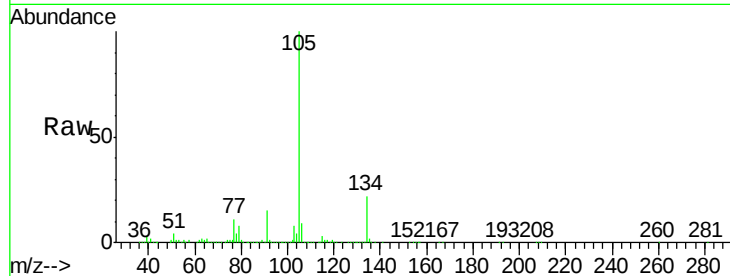
105 100

134 21.6 10.8 32.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.289 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

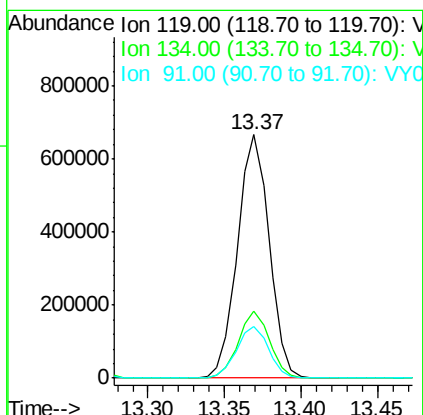
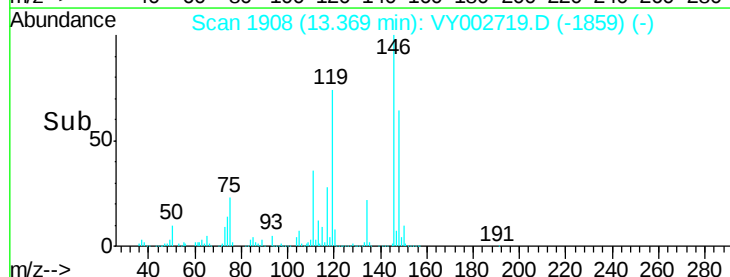
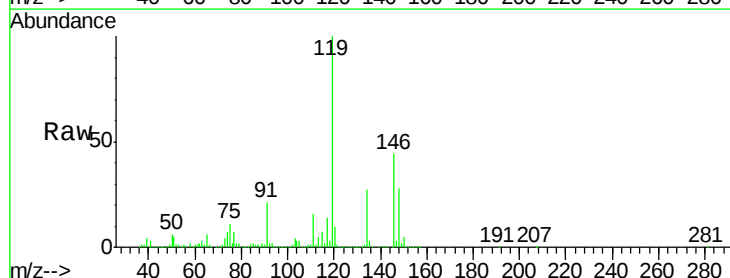
Tgt Ion:119 Resp: 953943

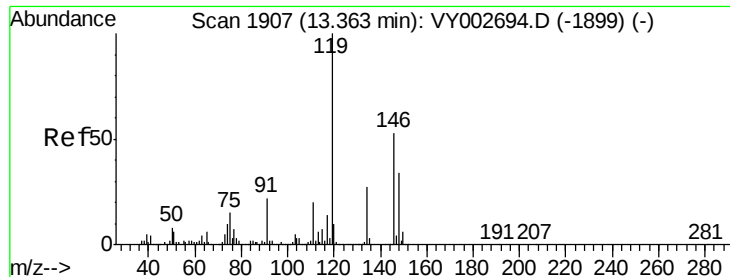
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 21.4 10.8 32.3





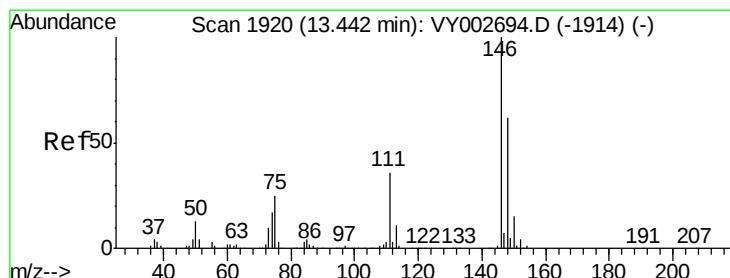
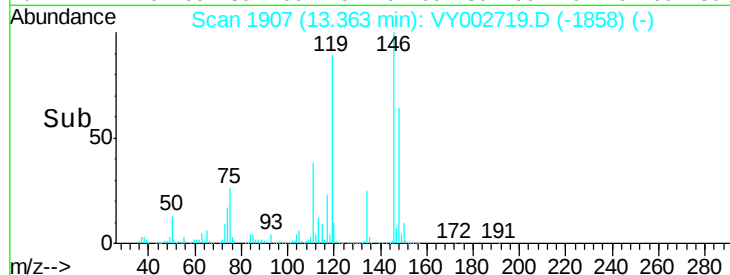
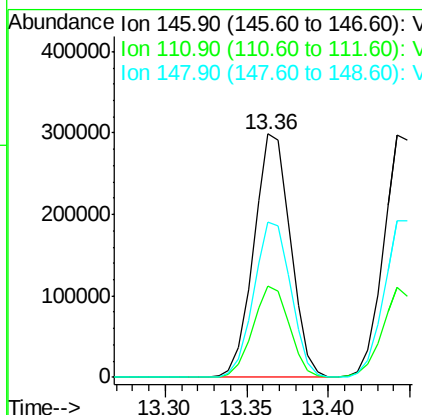
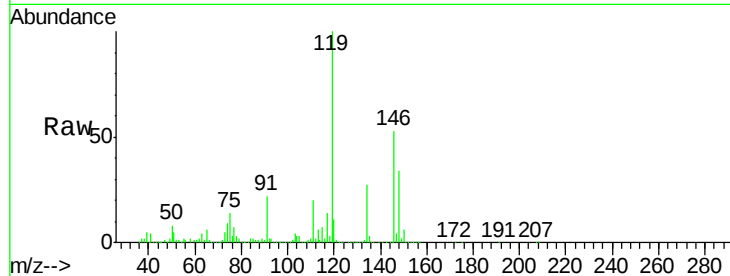
#87
 1,3-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.4	32.1	96.5

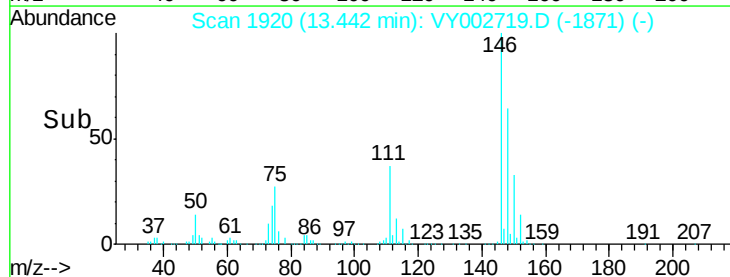
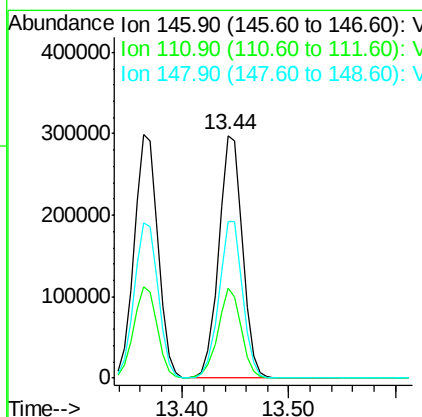
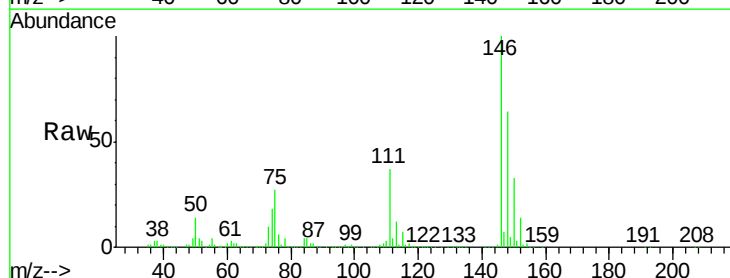
Manual Integrations
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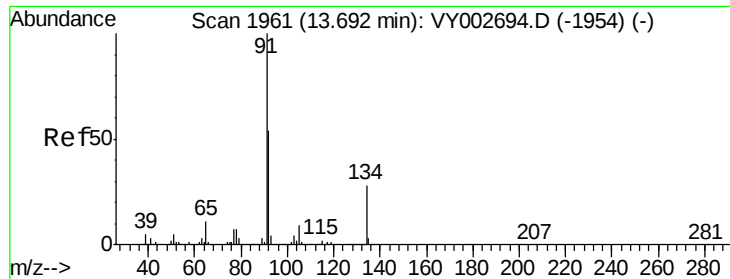
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#88
 1,4-Dichlorobenzene
 Concen: 50.463 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.5	31.8	95.3





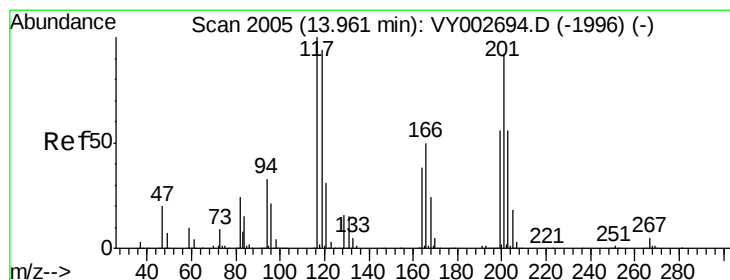
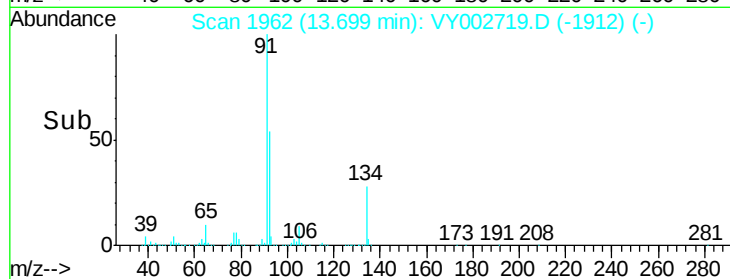
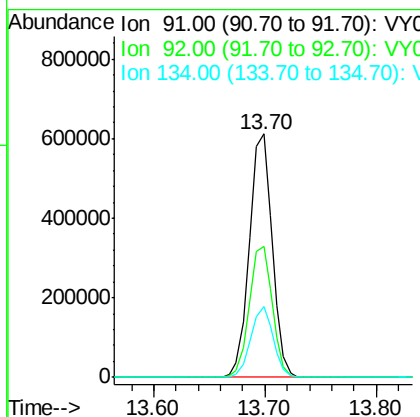
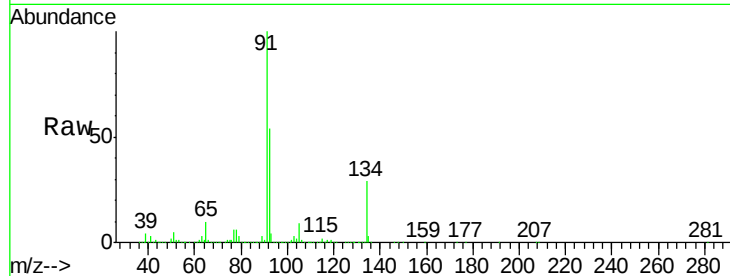
#89
n-Butylbenzene
Concen: 51.959 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.8	80.4
134	28.5	14.5	43.5

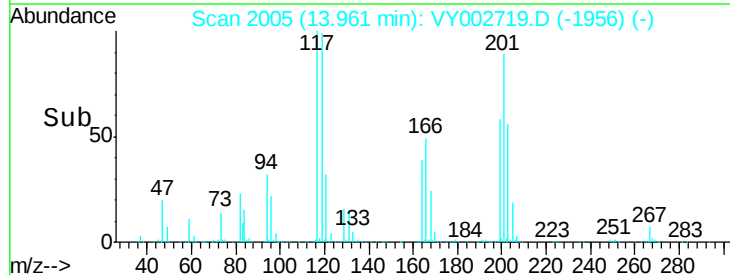
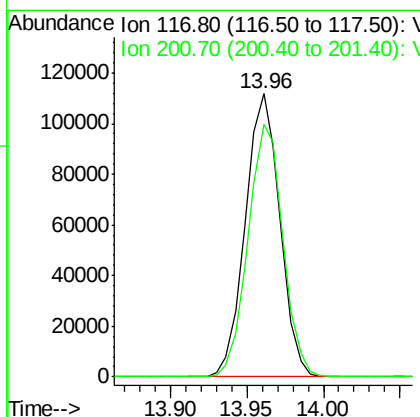
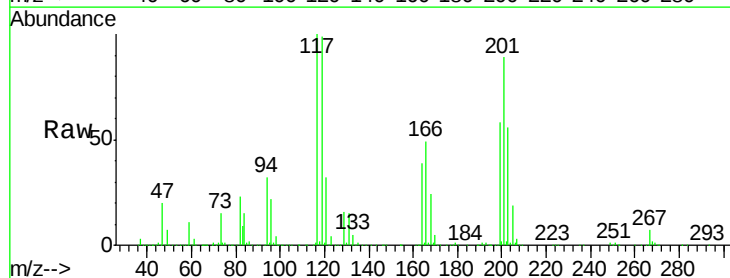
Manual Integrations
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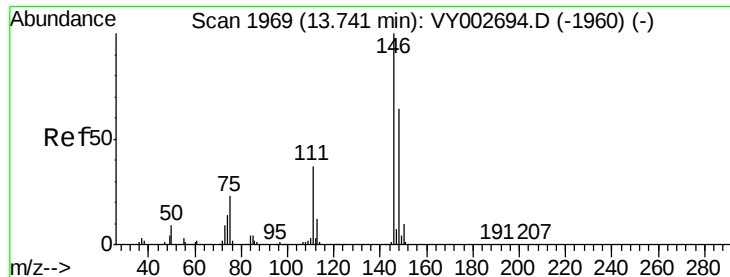
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#90
Hexachloroethane
Concen: 51.839 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 50.104 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Instrument :

MSVOA_Y

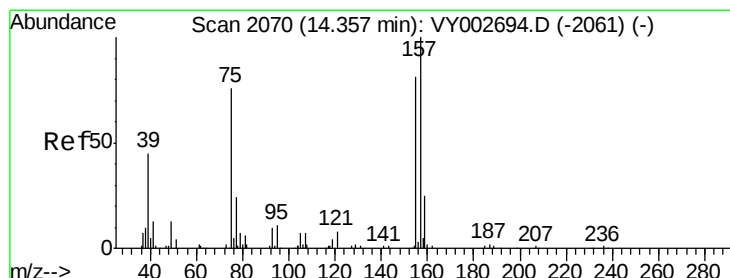
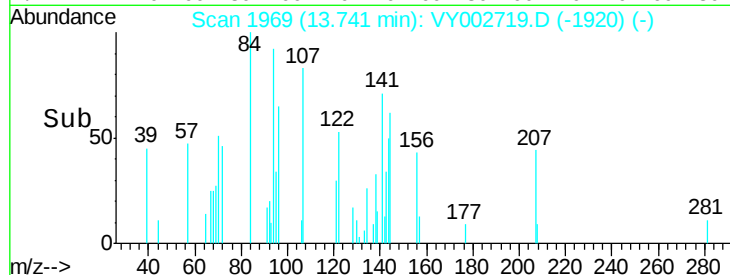
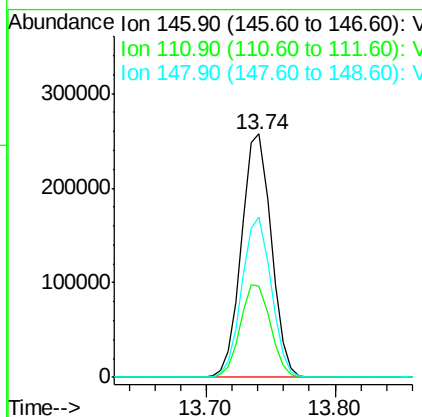
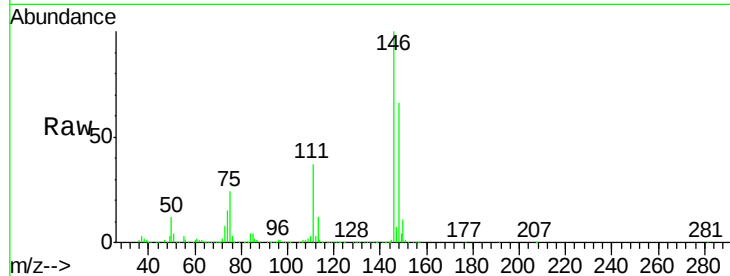
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	411407
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	64.8	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.078 ug/l

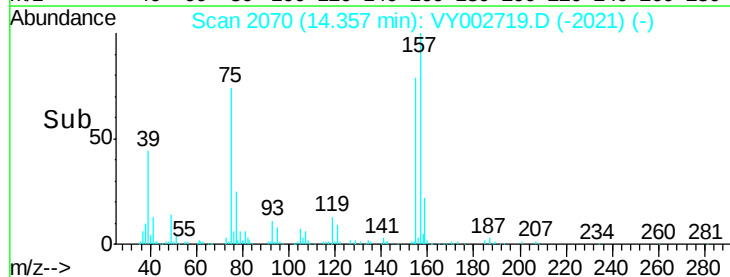
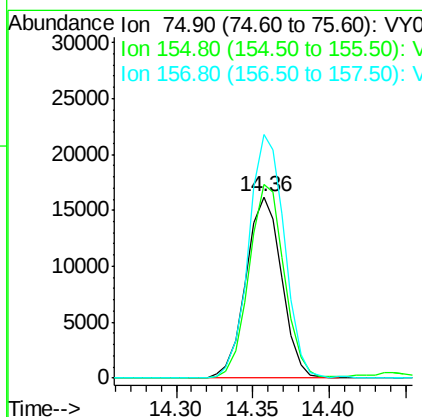
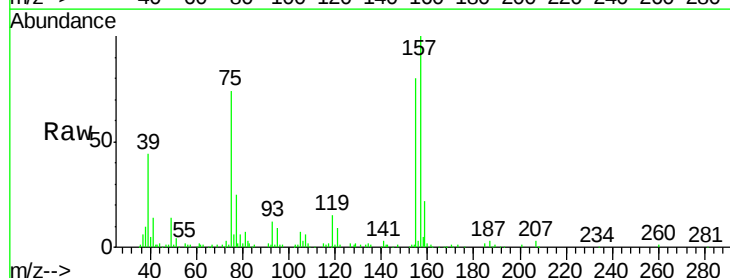
RT: 14.36 min Scan# 2070

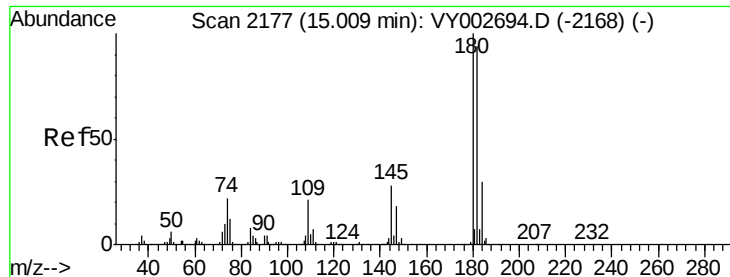
Delta R.T. 0.00 min

Lab File: VY002719.D

Acq: 20 May 2020 10:07

Tgt Ion:	75	Resp:	26324
Ion Ratio	Lower	Upper	
75	100		
155	105.3	53.5	160.7
157	134.2	67.9	203.7





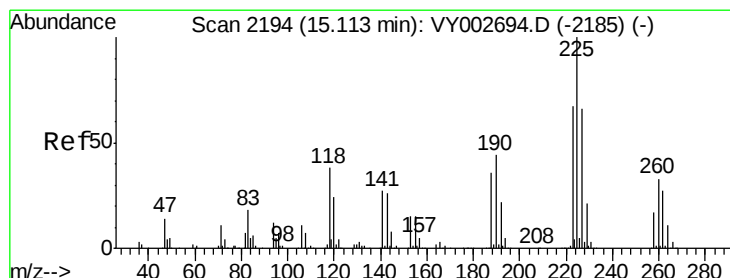
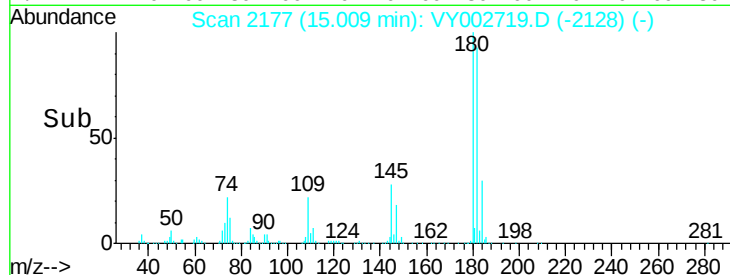
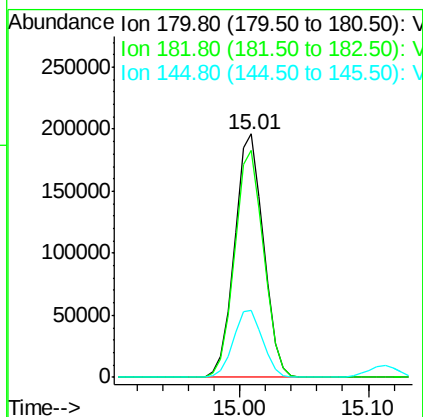
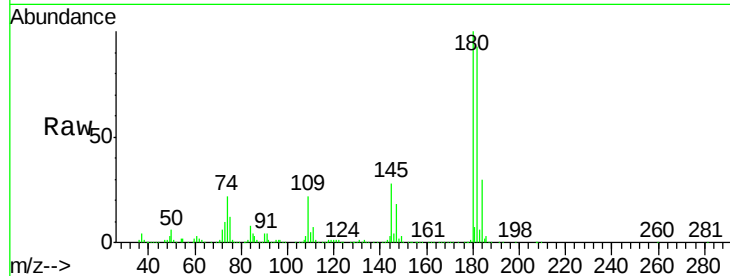
#93
 1,2,4-Trichlorobenzene
 Concen: 51.530 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.3	142.0	
145	28.4	14.1	42.2	

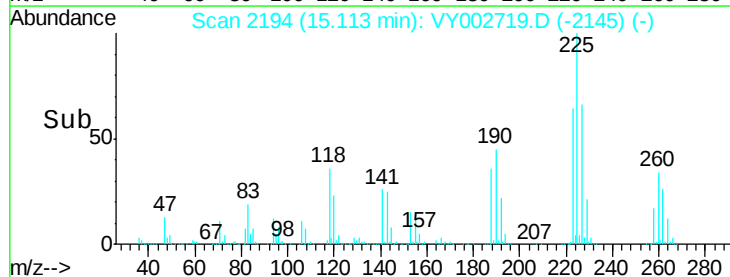
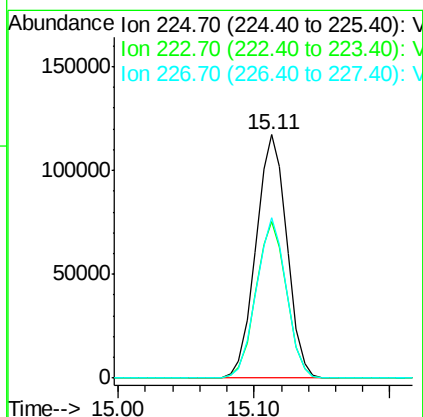
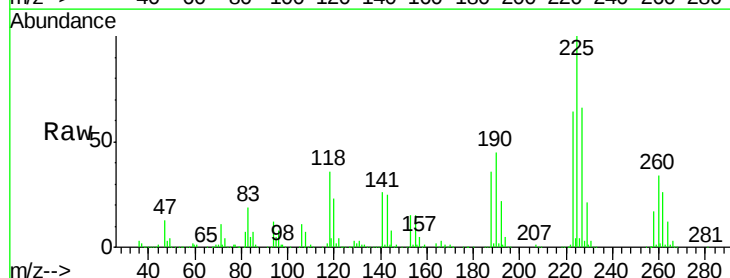
Manual Integrations
 APPROVED

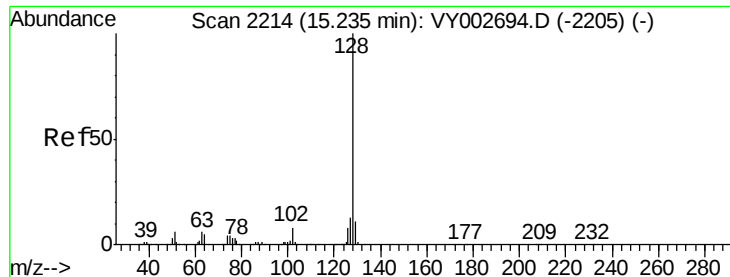
MMDadoda
 5/21/2020 1:14:35 PM



#94
 Hexachlorobutadiene
 Concen: 53.288 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002719.D
 Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.6	94.8	
227	64.0	32.2	96.6	





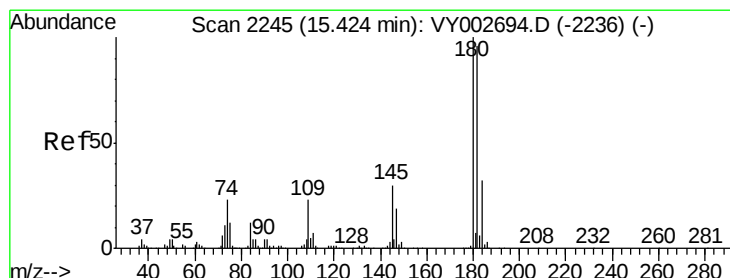
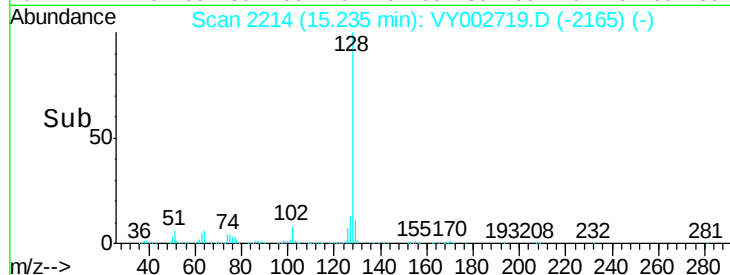
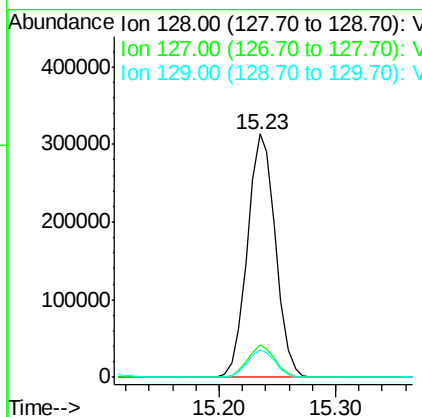
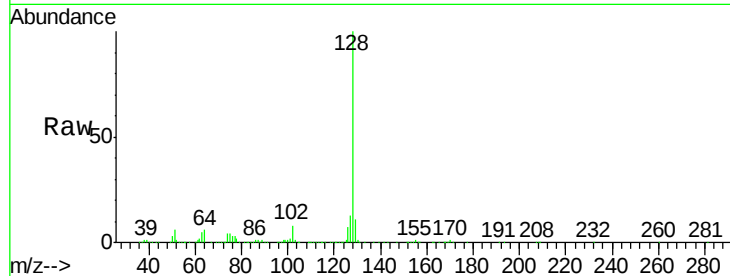
#95
Naphthalene
Concen: 46.449 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	525267		
127	12.9		10.3	15.5
129	11.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:14:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.790 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002719.D
Acq: 20 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	250880		
182	95.9		47.6	142.9
145	30.6		15.1	45.3

