

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002511.D
 Acq On : 30 Apr 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:03 PM

Quant Time: May 04 12:22:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:07:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	371371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	551766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	504072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	261302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	29419	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
35) Dibromofluoromethane	7.74	113	30019	9.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.02%	
50) Toluene-d8	10.19	98	118546	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
62) 4-Bromofluorobenzene	12.49	95	40107	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	22661	8.035	ug/l	93
3) Chloromethane	2.12	50	26628	8.850	ug/l	96
4) Vinyl Chloride	2.26	62	31249	8.994	ug/l	98
5) Bromomethane	2.66	94	23043	9.618	ug/l	98
6) Chloroethane	2.80	64	19456	9.379	ug/l	98
7) Trichlorofluoromethane	3.14	101	50342	9.349	ug/l	98
8) Diethyl Ether	3.54	74	16660	9.207	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	30889	9.386	ug/l	99
10) Methyl Iodide	4.11	142	38749	8.643	ug/l	99
11) Tert butyl alcohol	4.98	59	17188	53.502	ug/l	99
12) 1,1-Dichloroethene	3.89	96	29469	9.218	ug/l	97
13) Acrolein	3.75	56	9657	43.471	ug/l	91
14) Allyl chloride	4.50	41	43895	9.424	ug/l	99
15) Acrylonitrile	5.19	53	41780	48.962	ug/l	99
16) Acetone	3.97	43	31854	49.430	ug/l	98
17) Carbon Disulfide	4.21	76	82708	8.600	ug/l	98
18) Methyl Acetate	4.50	43	20708	9.617	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	80288	9.626	ug/l	99
20) Methylene Chloride	4.74	84	36753	10.199	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	32706	9.360	ug/l	95
22) Diisopropyl ether	6.14	45	91514	9.710	ug/l	98
23) Vinyl Acetate	6.08	43	287588	48.519	ug/l	98
24) 1,1-Dichloroethane	6.04	63	53234	9.547	ug/l	97
25) 2-Butanone	7.01	43	52486	49.755	ug/l	97
26) 2,2-Dichloropropane	7.00	77	52488	9.904	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	36689	9.489	ug/l	98
28) Bromochloromethane	7.36	49	22600	9.893	ug/l	100
29) Tetrahydrofuran	7.37	42	34143	48.920	ug/l	97
30) Chloroform	7.53	83	56498	9.745	ug/l	95
31) Cyclohexane	7.80	56	54471	9.705	ug/l	# 87
32) 1,1,1-Trichloroethane	7.72	97	52245	9.695	ug/l	97
36) 1,1-Dichloropropene	7.93	75	43616	9.429	ug/l	99
37) Ethyl Acetate	7.10	43	23100	9.718	ug/l	99
38) Carbon Tetrachloride	7.92	117	46911	9.289	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002511.D
 Acq On : 30 Apr 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:03 PM

Quant Time: May 04 12:22:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:07:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	56242	9.206	ug/l	94
40) Benzene	8.18	78	127292	9.528	ug/l	99
41) Methacrylonitrile	7.35	41	12855m	10.346	ug/l	
42) 1,2-Dichloroethane	8.25	62	36433	9.722	ug/l	98
43) Isopropyl Acetate	8.29	43	42654	9.572	ug/l	99
44) Trichloroethene	8.96	130	39914	9.560	ug/l	94
45) 1,2-Dichloropropane	9.23	63	31347	9.722	ug/l	99
46) Dibromomethane	9.32	93	18044	9.727	ug/l	97
47) Bromodichloromethane	9.51	83	42898	9.510	ug/l	99
48) Methyl methacrylate	9.30	41	19415	9.627	ug/l	97
49) 1,4-Dioxane	9.31	88	4883	198.802	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	111083	48.364	ug/l	100
52) Toluene	10.25	92	82844	9.649	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	44704	9.459	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	52427	9.596	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	26317	9.728	ug/l	94
56) Ethyl methacrylate	10.52	69	33200	9.225	ug/l	100
57) 1,3-Dichloropropane	10.80	76	45101	9.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	97044	51.134	ug/l	100
59) 2-Hexanone	10.84	43	75374	47.680	ug/l	99
60) Dibromochloromethane	10.99	129	32607	9.477	ug/l	99
61) 1,2-Dibromoethane	11.10	107	25865	9.656	ug/l	97
64) Tetrachloroethene	10.73	164	42644	9.522	ug/l	97
65) Chlorobenzene	11.52	112	93184	9.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	33523	9.424	ug/l	98
67) Ethyl Benzene	11.60	91	160374	9.528	ug/l	99
68) m/p-Xylenes	11.71	106	122610	18.826	ug/l	98
69) o-Xylene	12.03	106	58240	9.551	ug/l	100
70) Styrene	12.05	104	97650	9.367	ug/l	100
71) Bromoform	12.22	173	20650	9.353	ug/l #	100
73) Isopropylbenzene	12.34	105	159706	9.431	ug/l	100
74) N-amyl acetate	12.15	43	38917	9.553	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	25787	9.575	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	22107m	9.478	ug/l	
77) Bromobenzene	12.61	156	39732	9.391	ug/l	97
78) n-propylbenzene	12.67	91	186421	9.486	ug/l	99
79) 2-Chlorotoluene	12.77	91	103997	9.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	133048	9.478	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	10439	9.014	ug/l	99
82) 4-Chlorotoluene	12.86	91	108879	9.522	ug/l	98
83) tert-Butylbenzene	13.08	119	115291	9.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	133772	9.562	ug/l	99
85) sec-Butylbenzene	13.26	105	163934	9.598	ug/l	100
86) p-Isopropyltoluene	13.38	119	152392	9.522	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	77179	9.638	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	76040	9.590	ug/l	96
89) n-Butylbenzene	13.70	91	139551	9.579	ug/l	99
90) Hexachloroethane	13.97	117	27431	9.412	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	70192	9.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4831	9.623	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
Data File : VY002511.D
Acq On : 30 Apr 2020 14:40
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

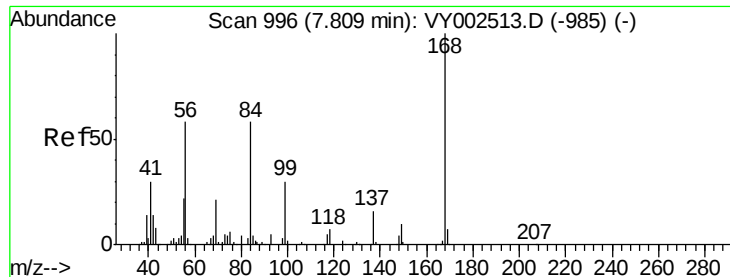
Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM

Quant Time: May 04 12:22:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:07:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	50029	9.644	ug/l	99
94) Hexachlorobutadiene	15.12	225	30740	9.872	ug/l	98
95) Naphthalene	15.24	128	90209	9.532	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	42534	9.658	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 371371

Ion Ratio Lower Upper

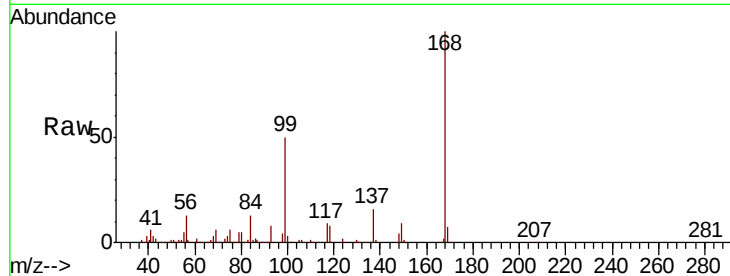
168 100

99 49.6 39.2 58.8

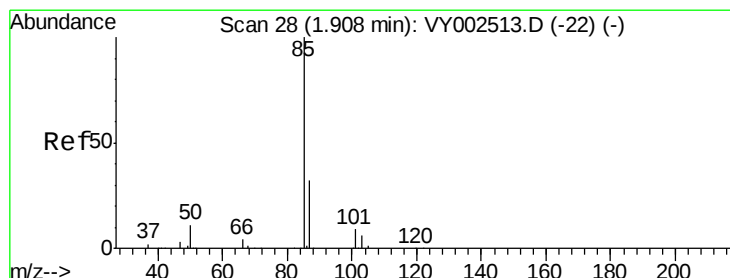
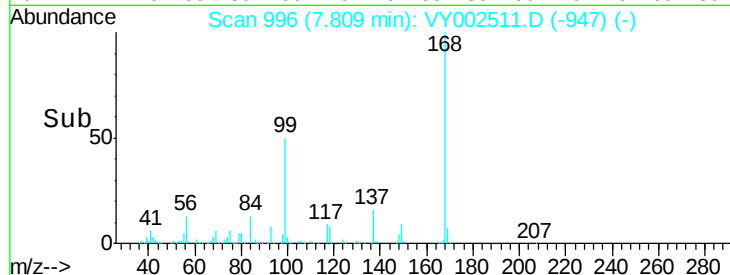
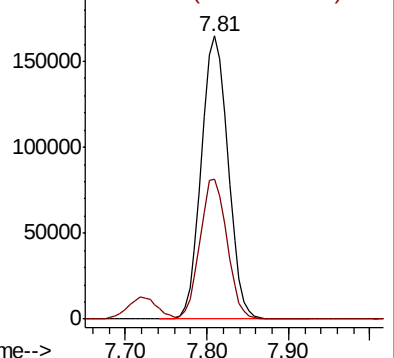
Manual Integrations
APPROVED

MMDadoda

5/5/2020 4:31:03 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002511.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 8.035 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002511.D

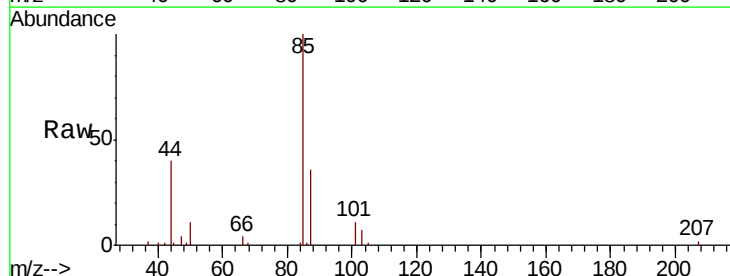
Acq: 30 Apr 2020 14:40

Tgt Ion: 85 Resp: 22661

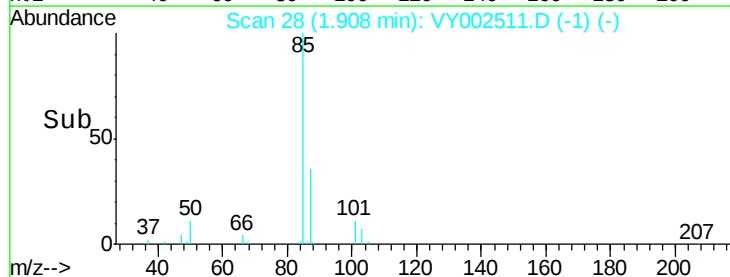
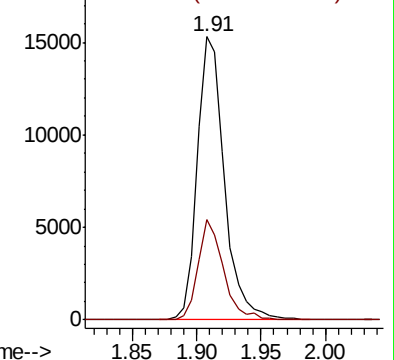
Ion Ratio Lower Upper

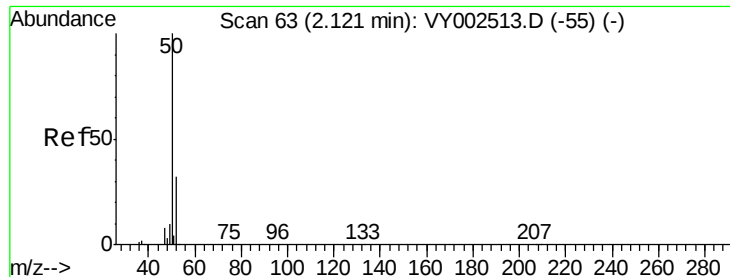
85 100

87 35.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002511.D (-1) (-)





#3

Chloromethane

Concen: 8.850 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 26628

Ion Ratio Lower Upper

50 100

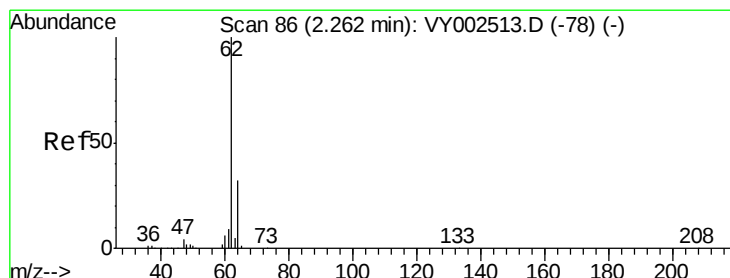
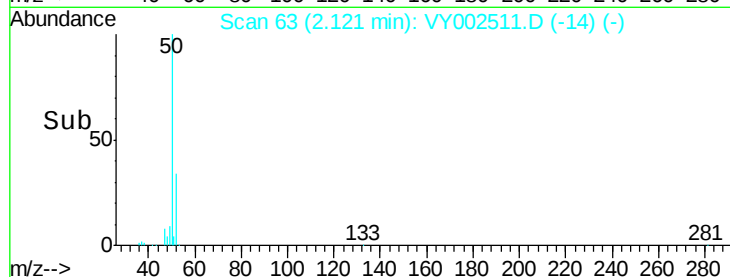
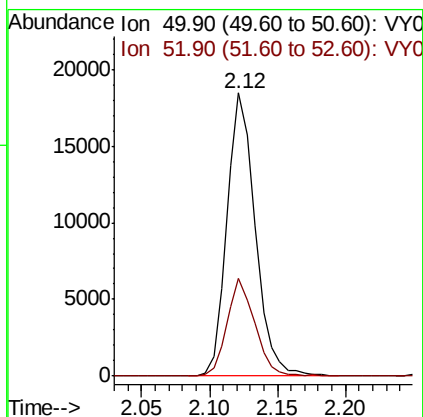
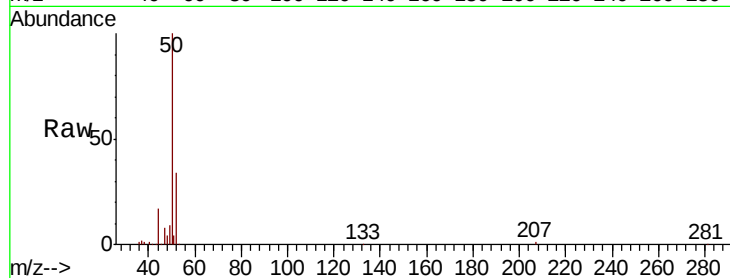
52 34.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/5/2020 4:31:03 PM



#4

Vinyl Chloride

Concen: 8.994 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002511.D

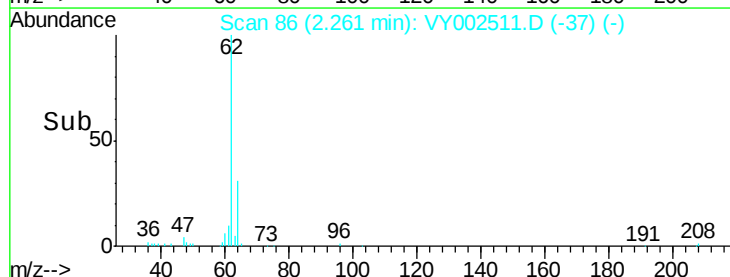
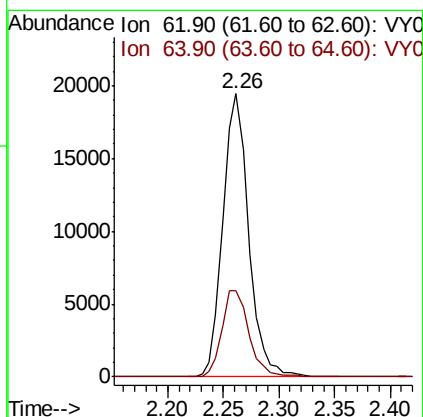
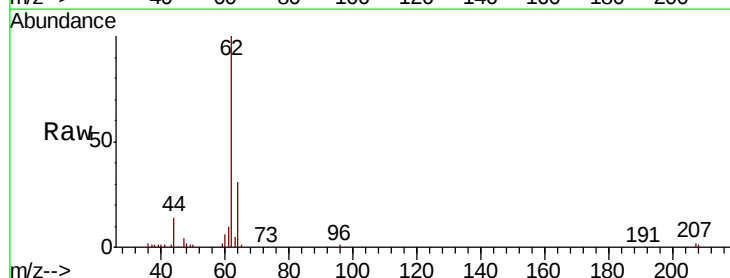
Acq: 30 Apr 2020 14:40

Tgt Ion: 62 Resp: 31249

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 9.618 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 23043

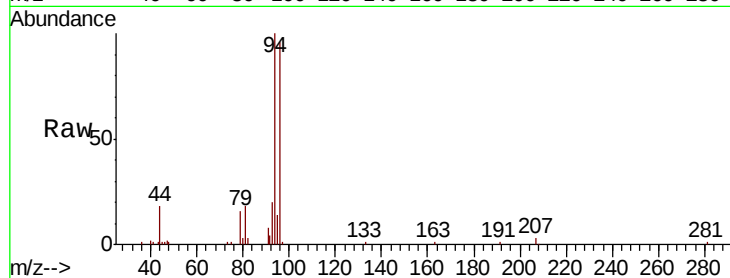
Ion Ratio Lower Upper

94 100

96 95.7 74.9 112.3

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

12000

10000

8000

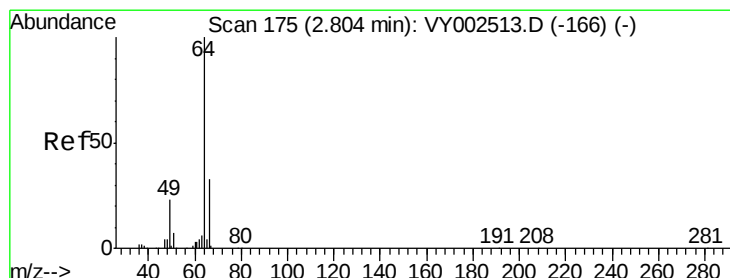
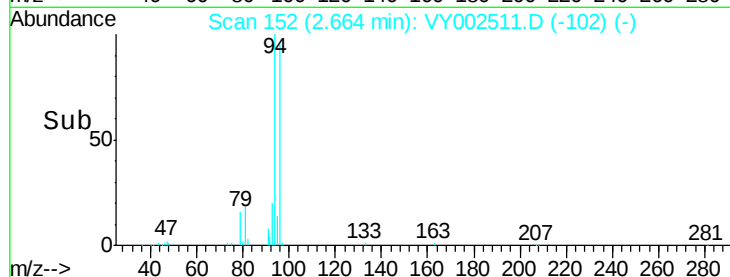
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 9.379 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002511.D

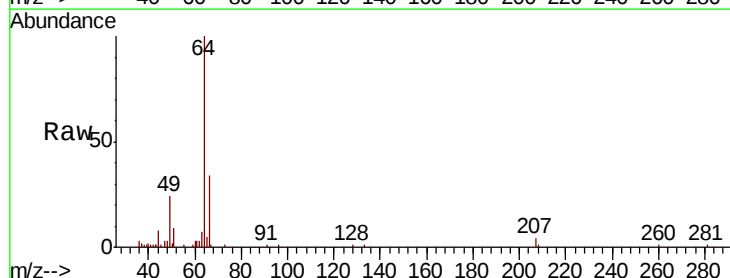
Acq: 30 Apr 2020 14:40

Tgt Ion: 64 Resp: 19456

Ion Ratio Lower Upper

64 100

66 34.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

10000

8000

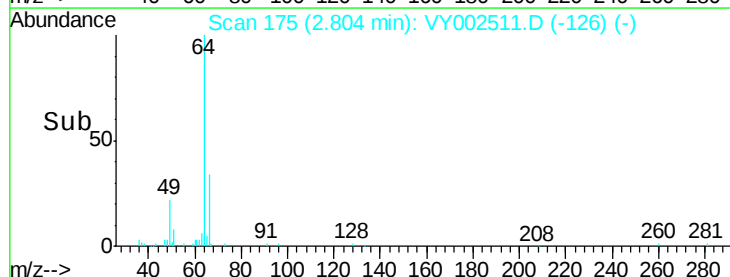
6000

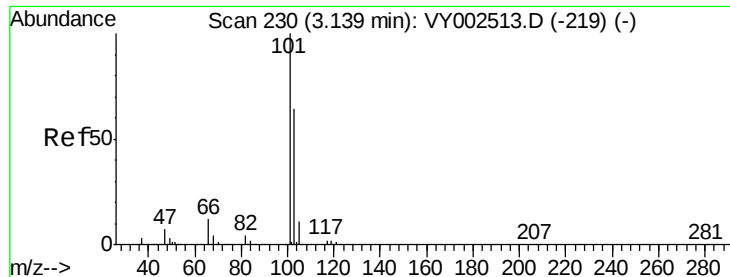
4000

2000

0

Time-->





#7

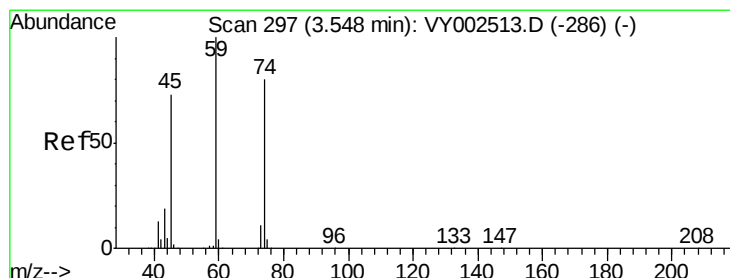
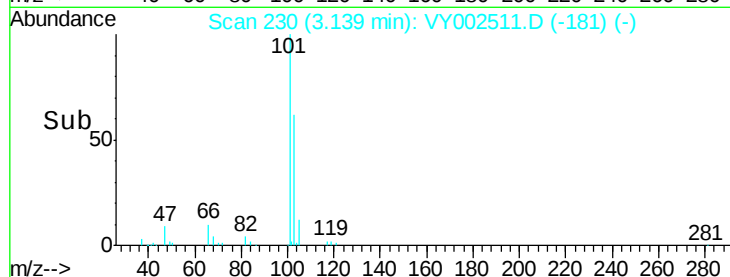
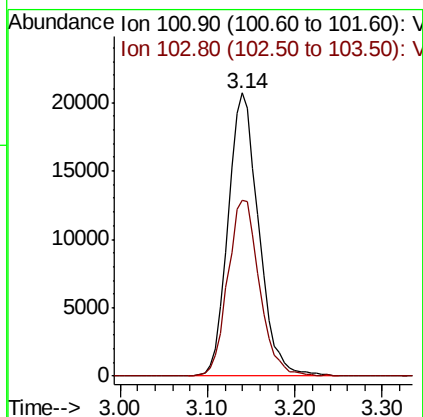
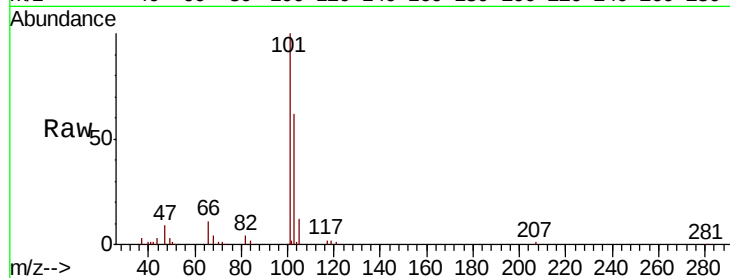
Trichlorofluoromethane
Concen: 9.349 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.0

Manual Integrations
APPROVED

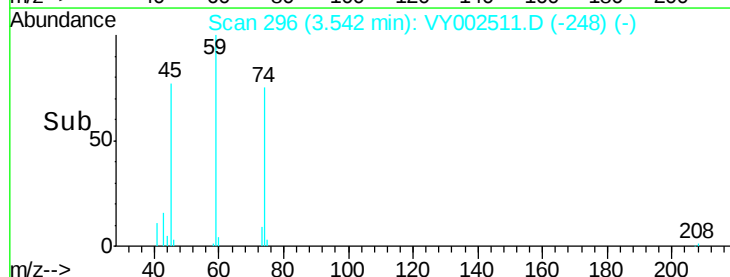
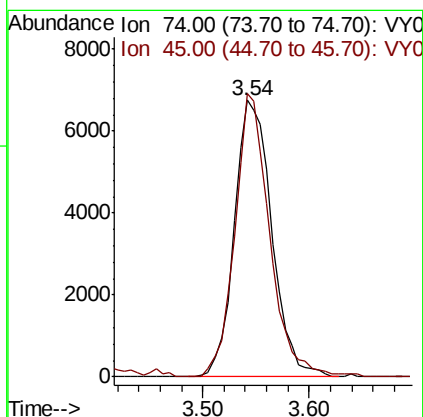
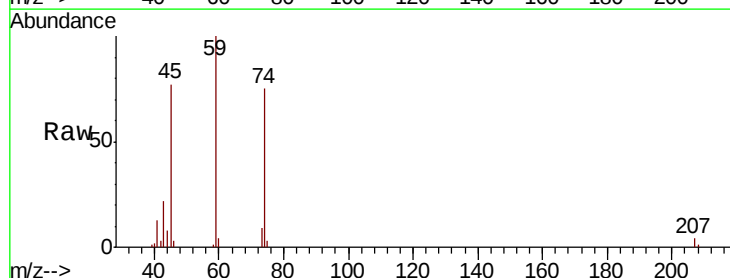
MMDadoda
5/5/2020 4:31:03 PM

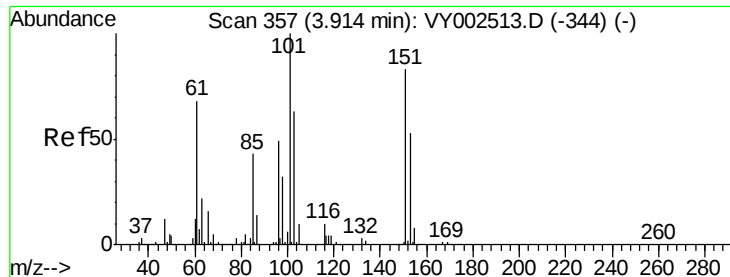


#8

Diethyl Ether
Concen: 9.207 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	46.2	138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.386 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

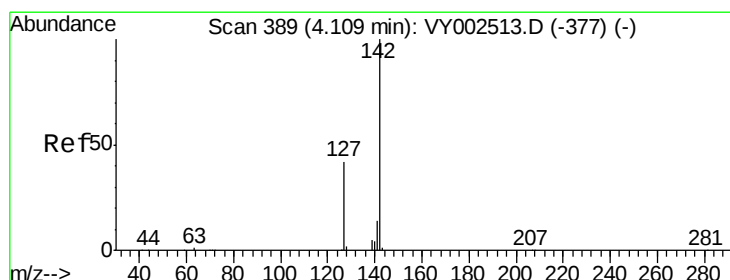
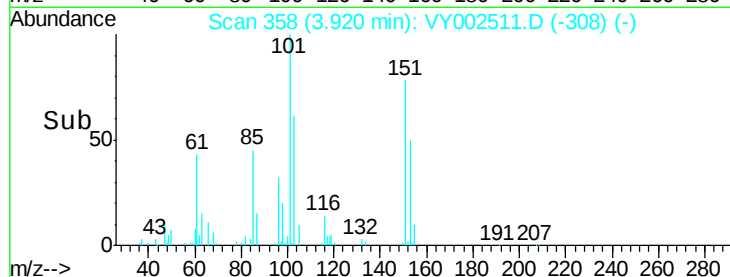
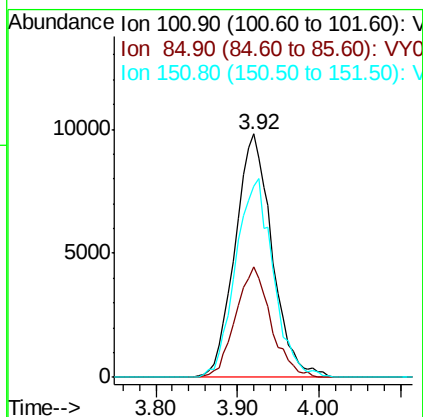
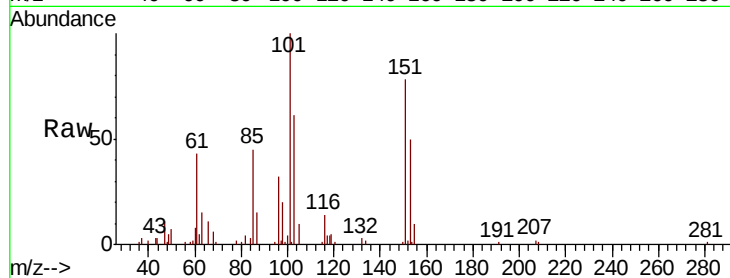
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	30889
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.4	50.2
151	83.0	66.8	100.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#10

Methyl Iodide

Concen: 8.643 ug/l

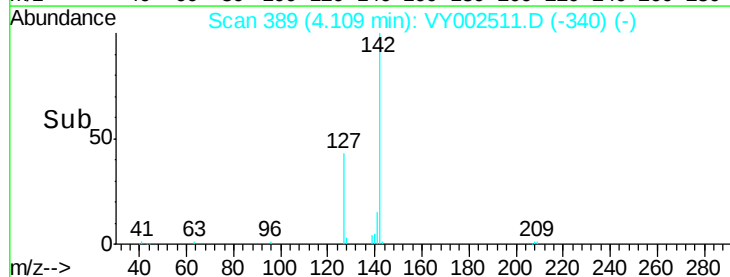
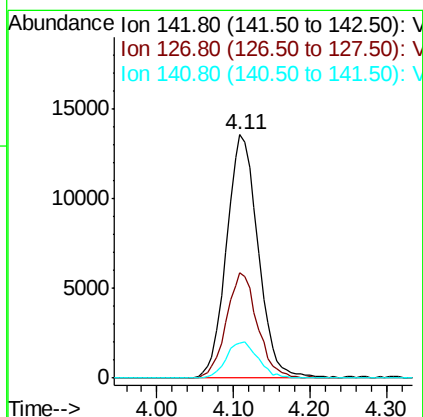
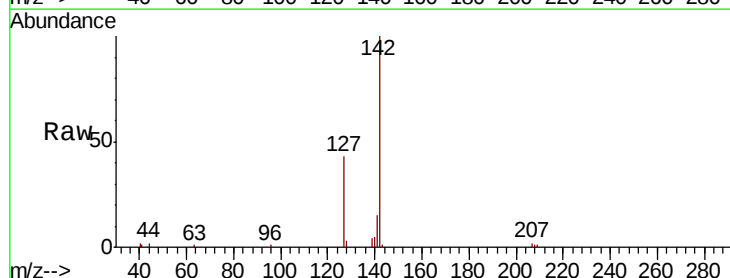
RT: 4.11 min Scan# 389

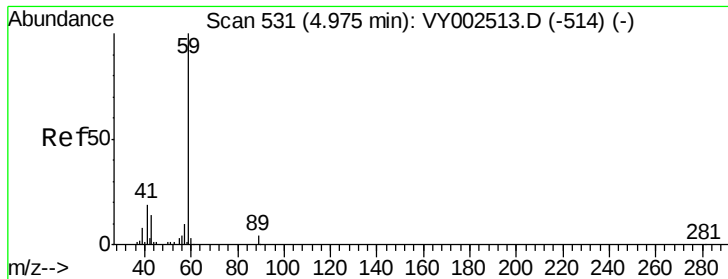
Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	142	Resp:	38749
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.7	50.5
141	14.9	11.4	17.0





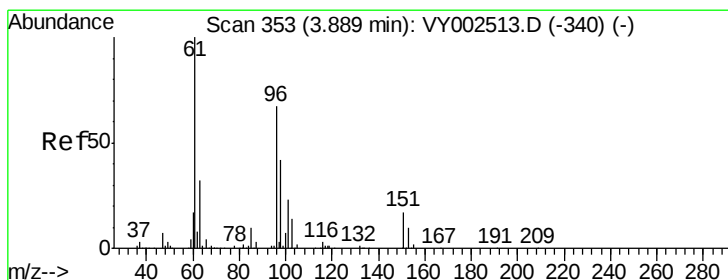
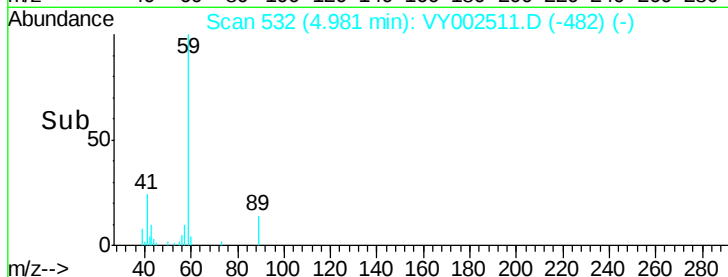
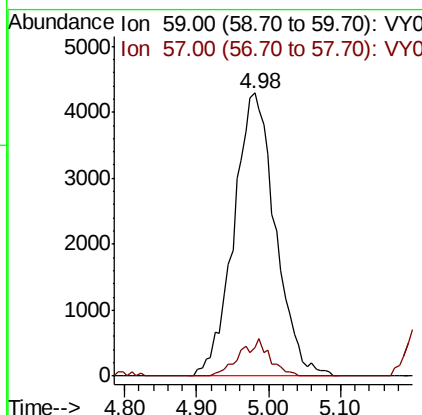
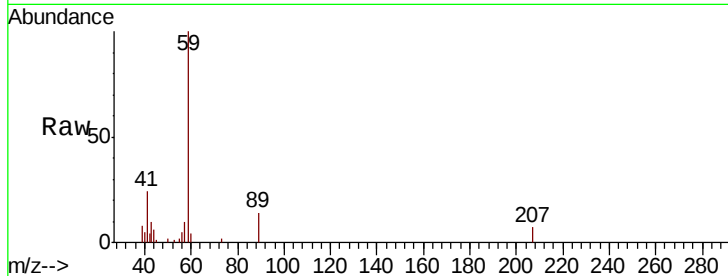
#11
Tert butyl alcohol
Concen: 53.502 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	17188
Ion Ratio	100	Lower	Upper
57	9.5	7.8	11.6

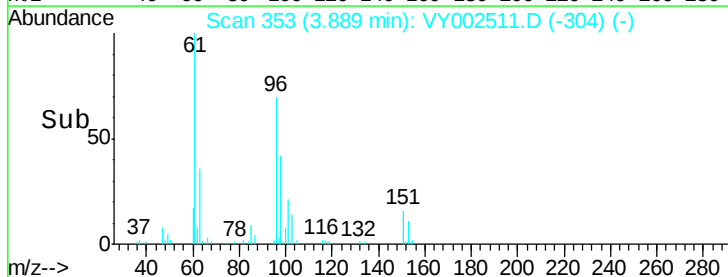
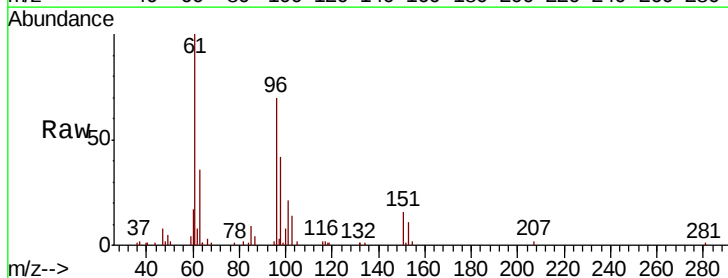
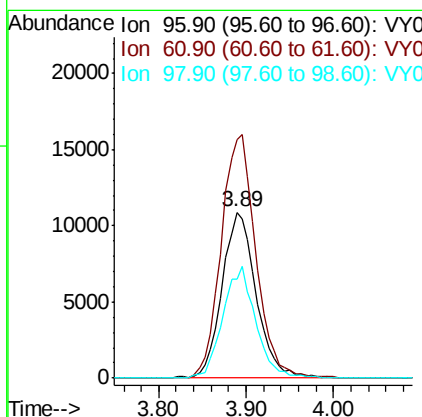
Manual Integrations
APPROVED

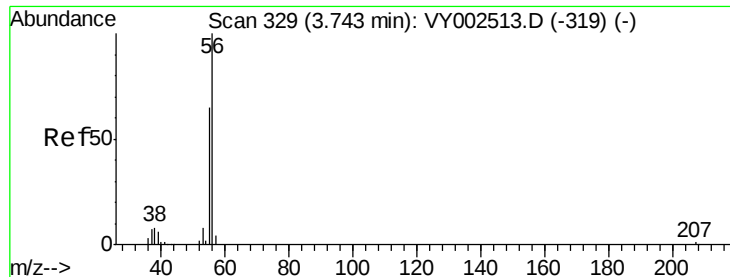
MMDadoda
5/5/2020 4:31:03 PM



#12
1,1-Dichloroethene
Concen: 9.218 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	96	Resp	29469
Ion Ratio	100	Lower	Upper
61	143.9	118.8	178.2
98	59.8	49.6	74.4





#13

Acrolein

Concen: 43.471 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 9657

Ion Ratio Lower Upper

56 100

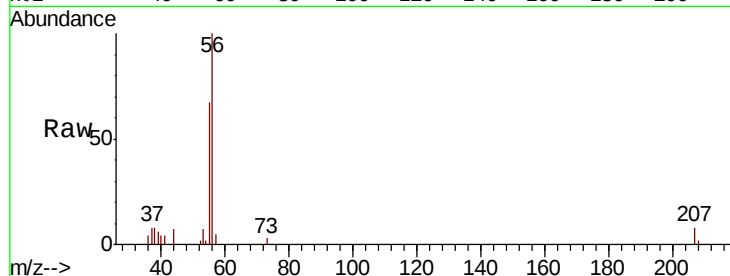
55 74.6 53.8 80.6

Manual Integrations

APPROVED

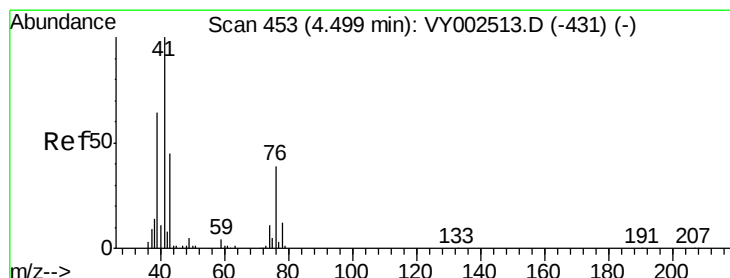
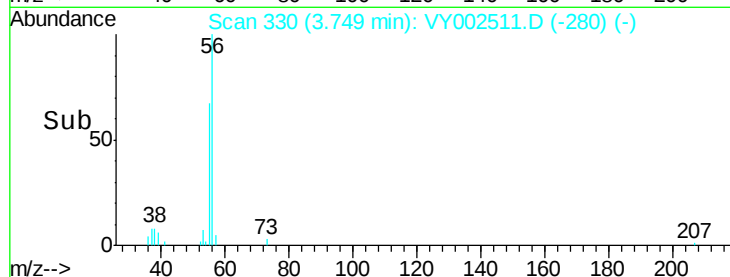
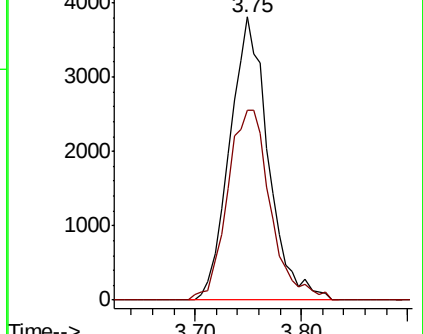
MMDadoda

5/5/2020 4:31:03 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 9.424 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

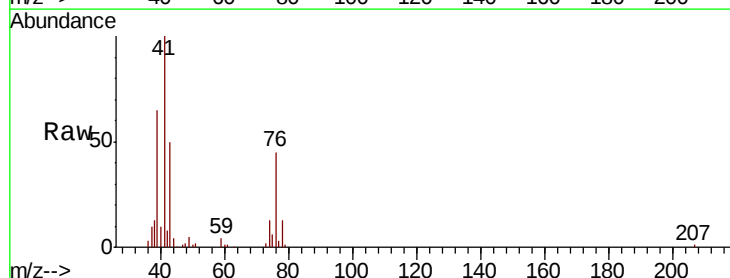
Tgt Ion: 41 Resp: 43895

Ion Ratio Lower Upper

41 100

39 65.4 51.8 77.6

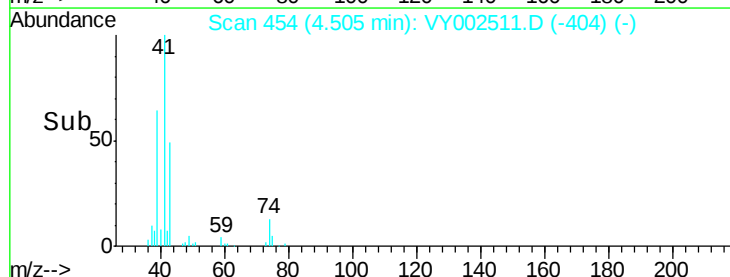
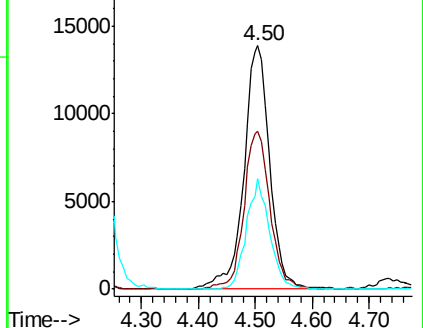
76 40.4 31.7 47.5

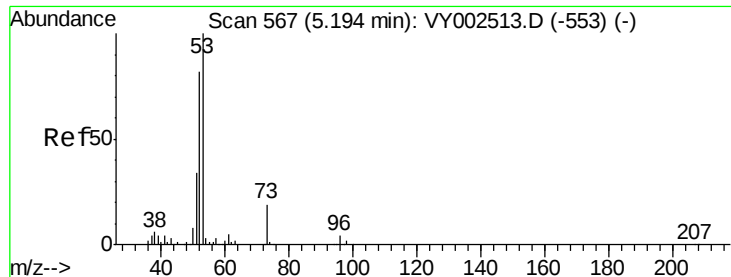


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 48.962 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

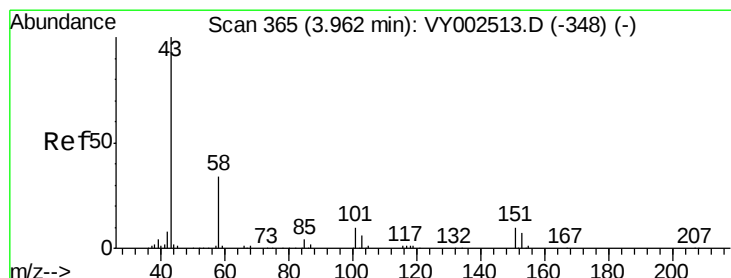
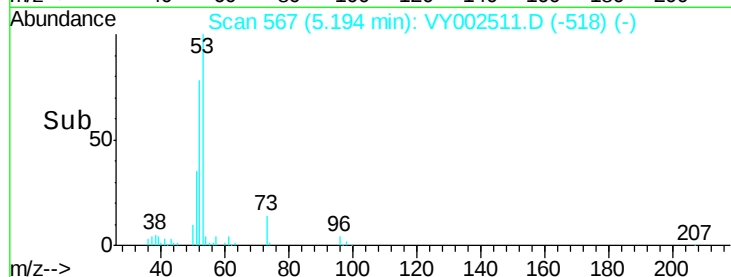
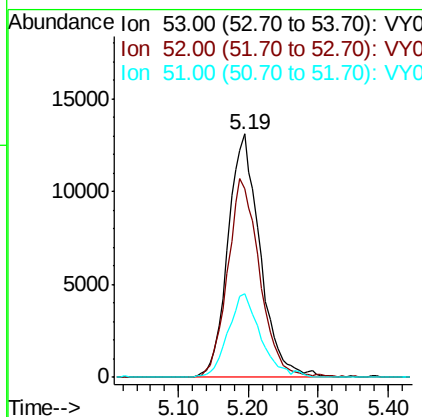
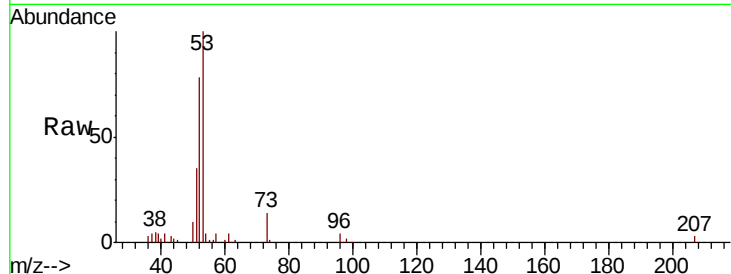
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	41780
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.0
51	34.3	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#16

Acetone

Concen: 49.430 ug/l

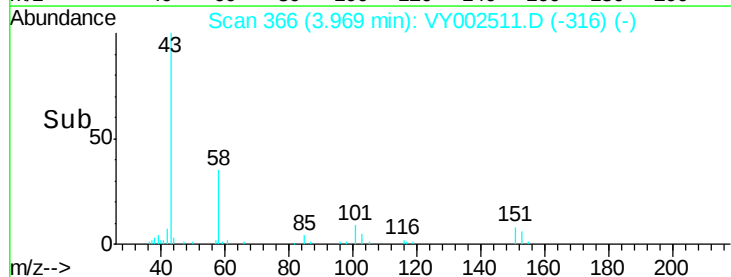
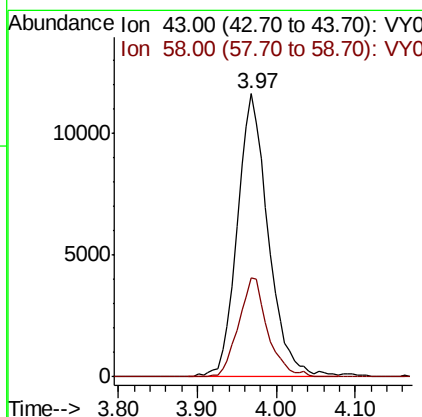
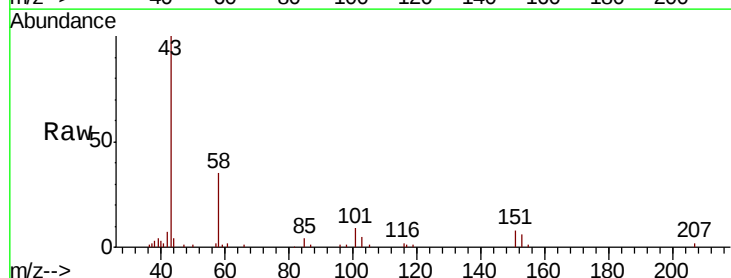
RT: 3.97 min Scan# 366

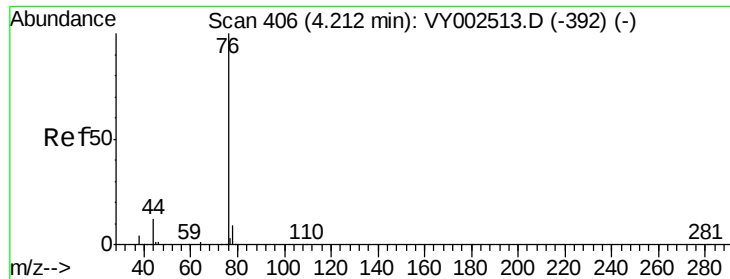
Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	43	Resp:	31854
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.9	40.3





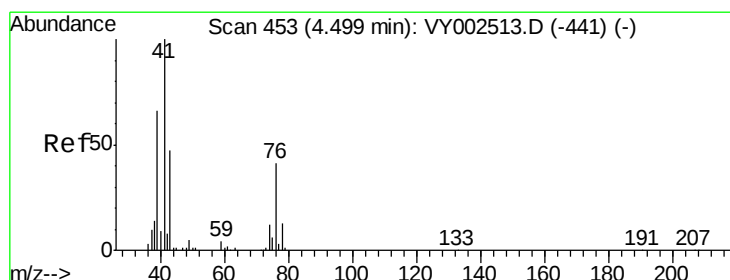
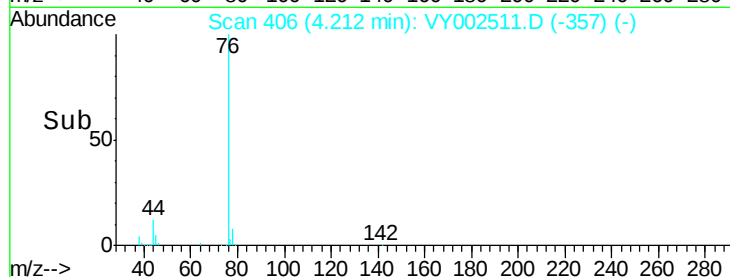
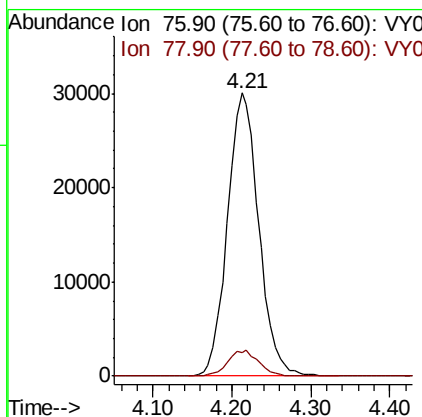
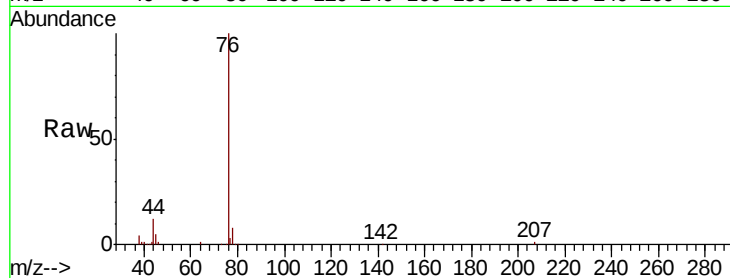
#17
Carbon Disulfide
Concen: 8.600 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

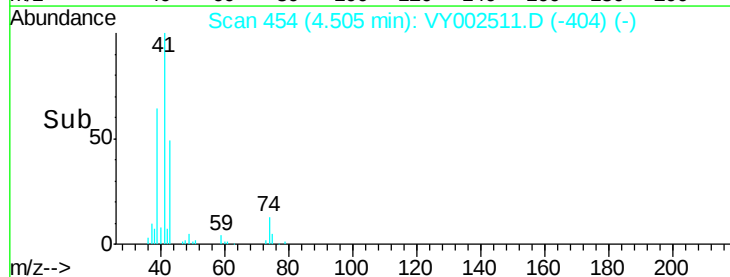
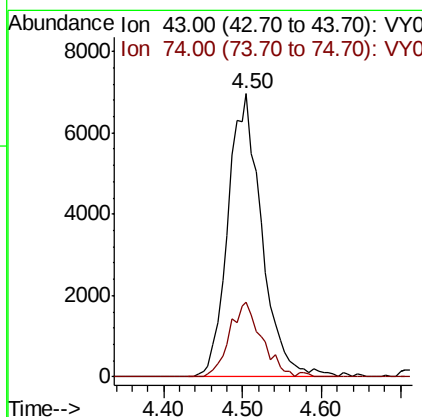
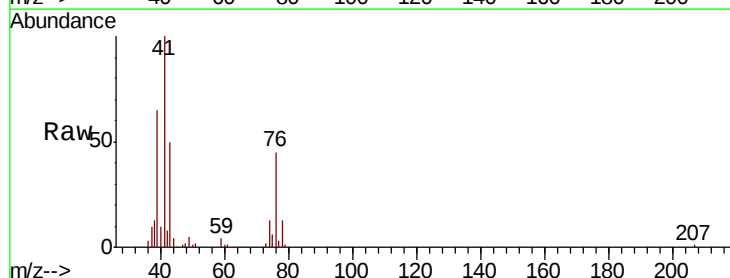
Manual Integrations
APPROVED

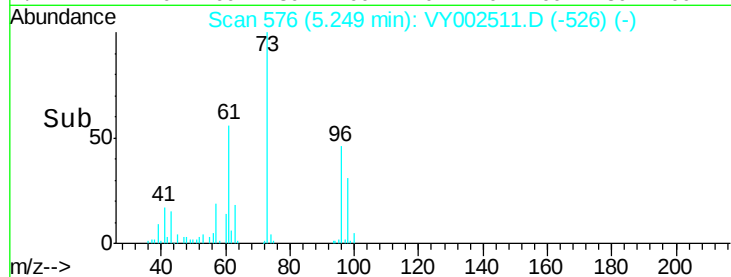
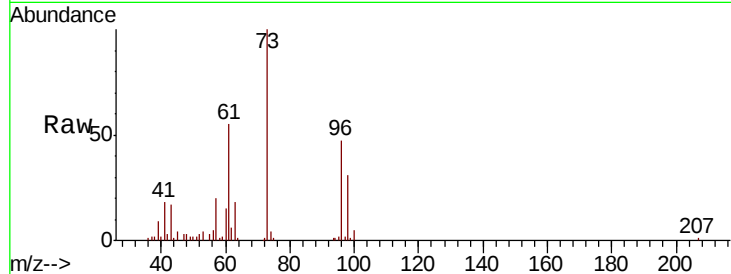
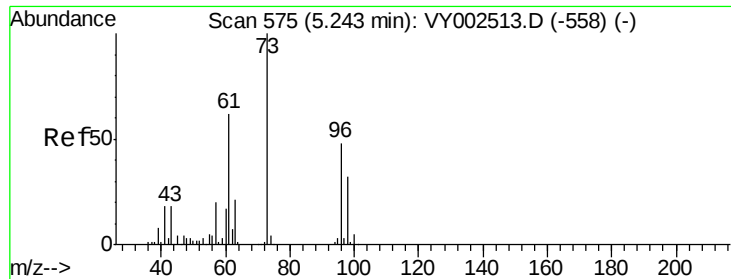
MMDadoda
5/5/2020 4:31:03 PM



#18
Methyl Acetate
Concen: 9.617 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	21.2	31.8





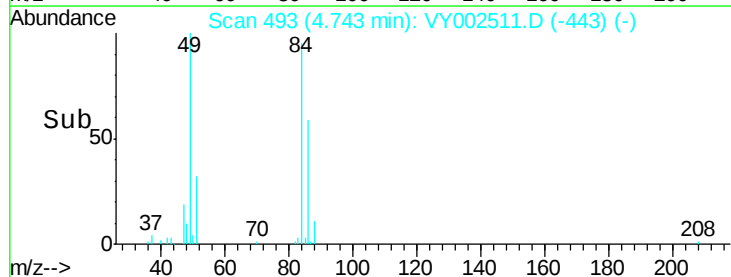
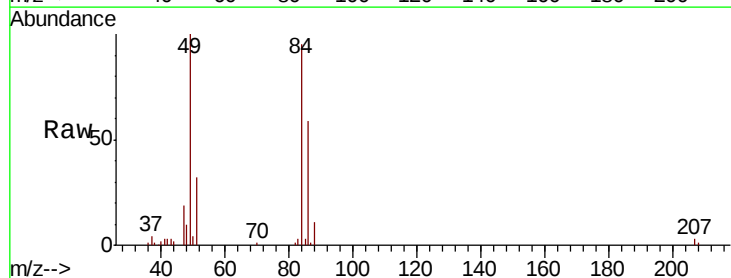
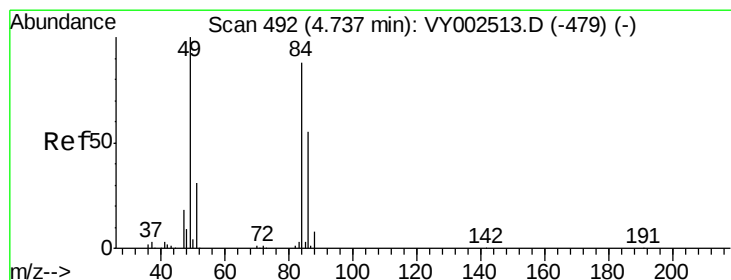
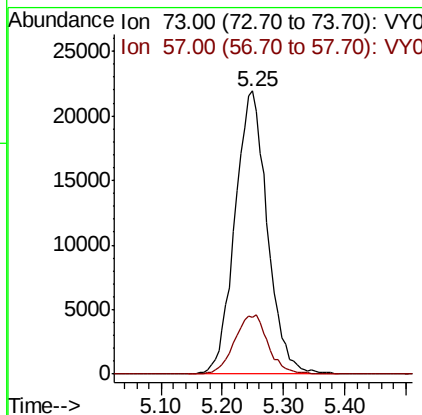
#19
Methyl tert-butyl Ether
Concen: 9.626 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tot Ion: 73 Resp: 80288
Ion Ratio Lower Upper
73 100
57 19.9 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

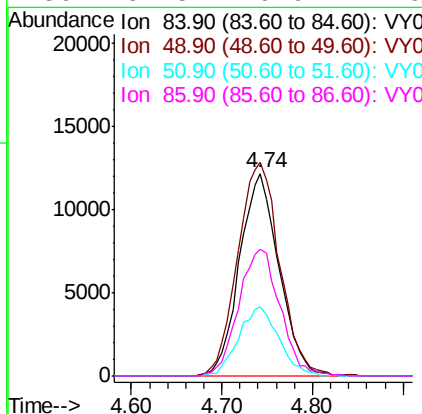
Manual Integrations
APPROVED

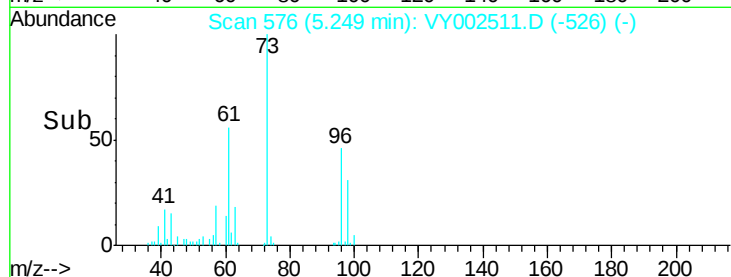
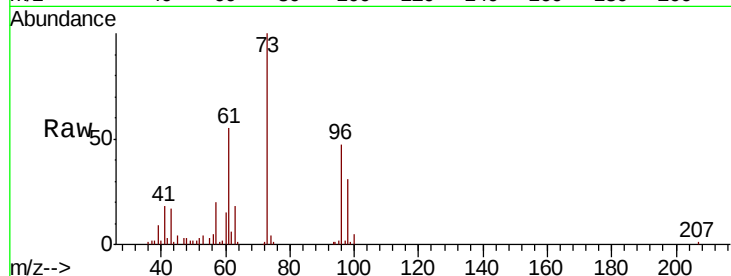
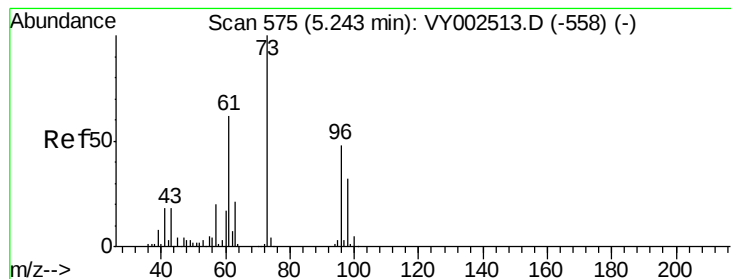
MMDadoda
5/5/2020 4:31:03 PM



#20
Methylene Chloride
Concen: 10.199 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion: 84 Resp: 36753
Ion Ratio Lower Upper
84 100
49 105.5 90.5 135.7
51 33.9 28.3 42.5
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 9.360 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tot Ion:	96	Resp:	32706
Ion	Ratio	Lower	Upper
96	100		
61	119.0	102.0	153.0
98	66.7	53.0	79.4

Instrument :

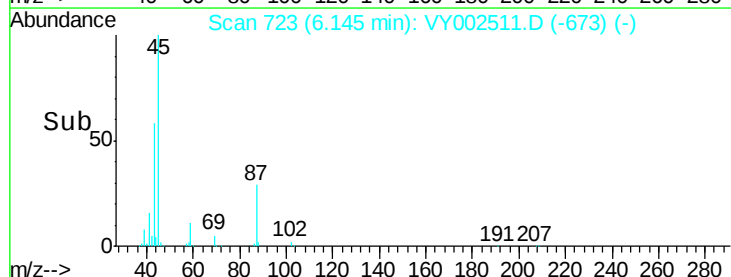
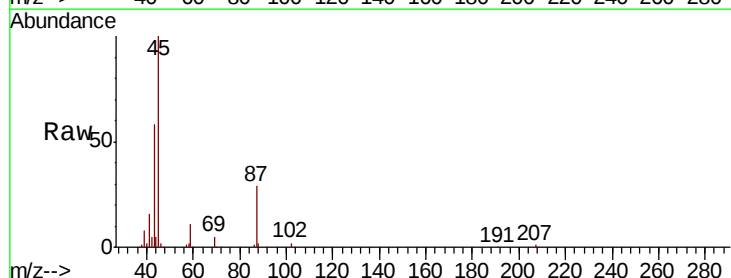
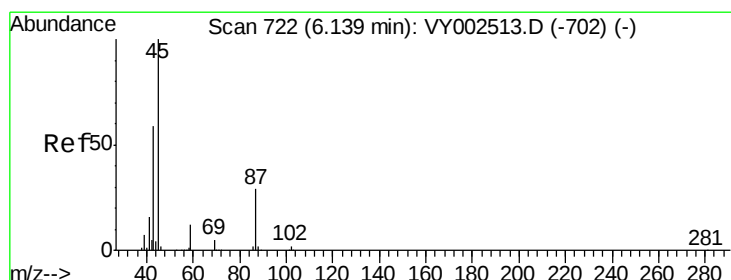
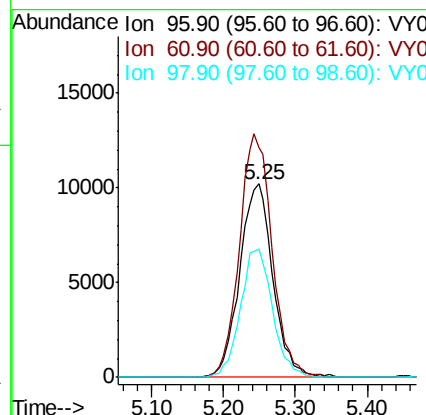
MSVOA_Y

ClientSampleId :

VSTDIC010

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#22

Diisopropyl ether

Concen: 9.710 ug/l

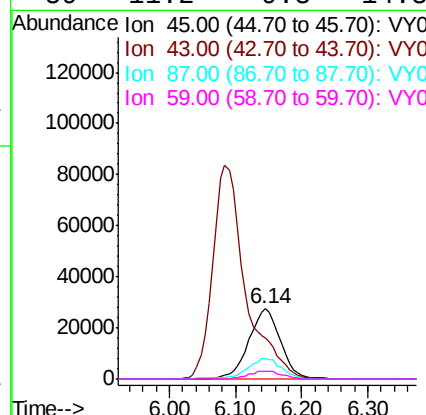
RT: 6.14 min Scan# 723

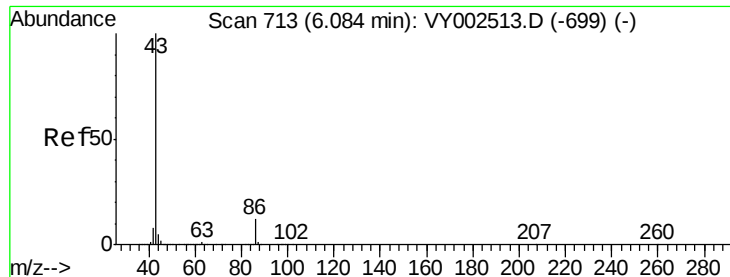
Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	45	Resp:	91514
Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.4	71.0
87	29.4	24.0	36.0
59	11.2	9.8	14.8





#23

Vinyl Acetate

Concen: 48.519 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 287588

Ion Ratio Lower Upper

43 100

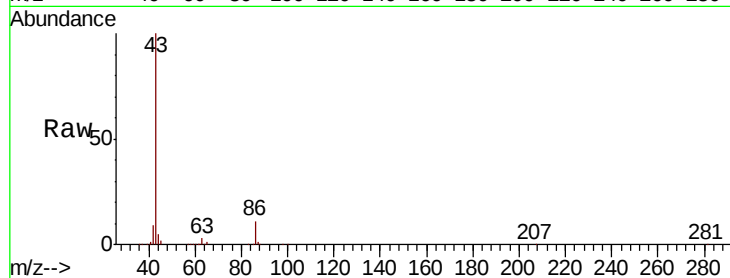
86 11.4 9.8 14.6

Manual Integrations

APPROVED

MMDadoda

5/5/2020 4:31:03 PM

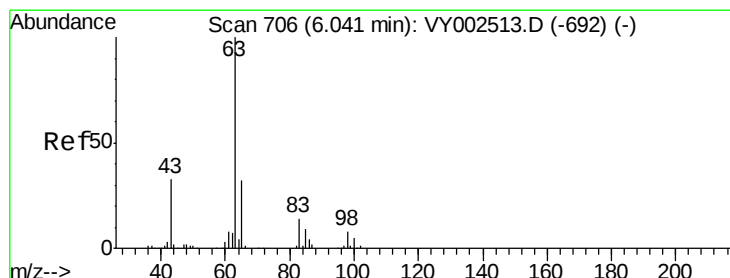
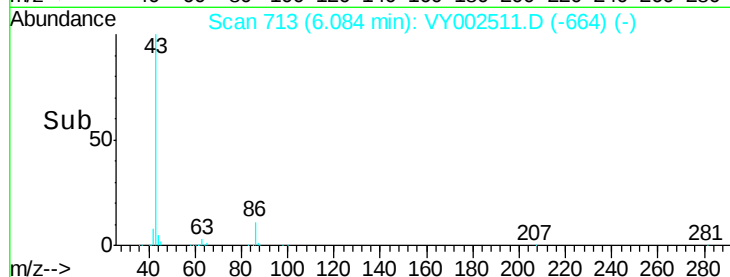


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

Time-->



#24

1,1-Dichloroethane

Concen: 9.547 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

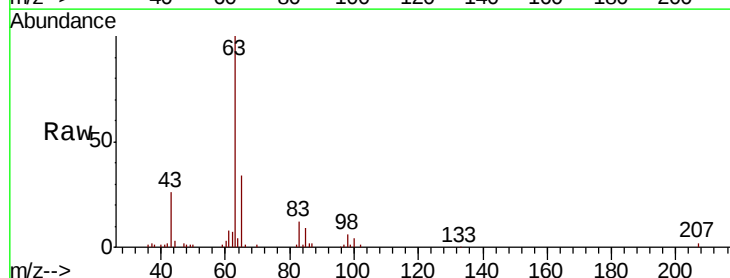
Tgt Ion: 63 Resp: 53234

Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.7

100 4.5 2.4 7.2



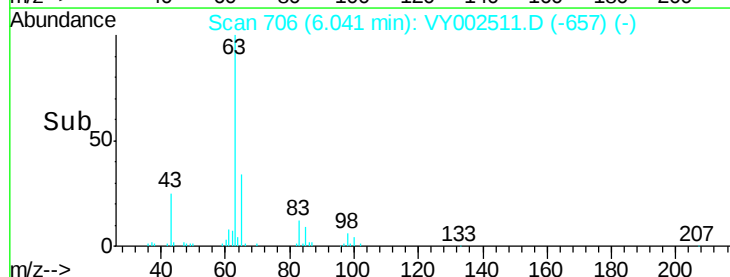
Abundance Ion 62.90 (62.60 to 63.60): VY0

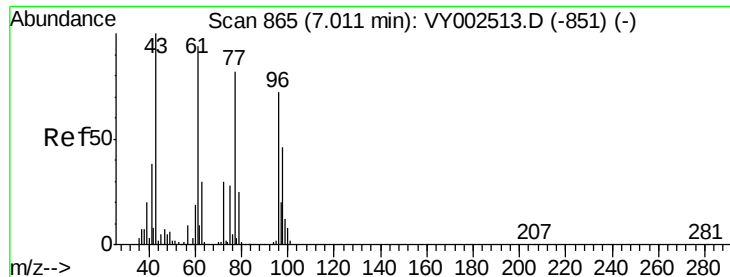
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

Time-->





#25

2-Butanone

Concen: 49.755 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 52486

Ion Ratio Lower Upper

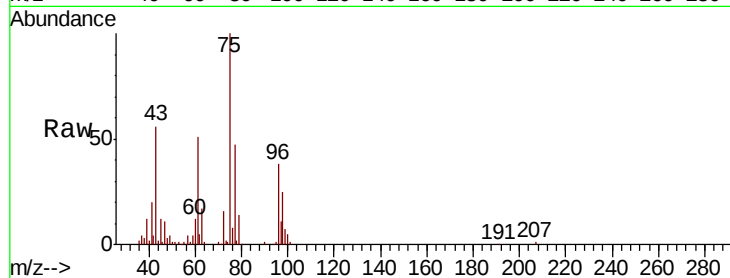
43 100

72 28.4 24.1 36.1

Manual Integrations
APPROVED

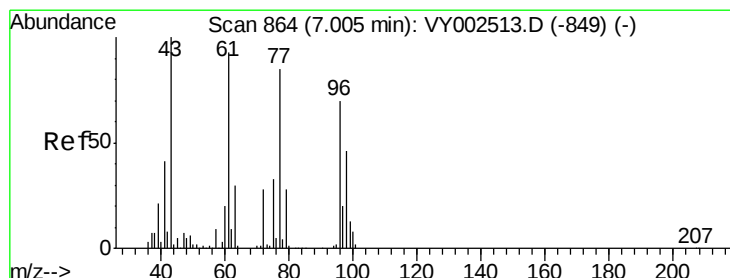
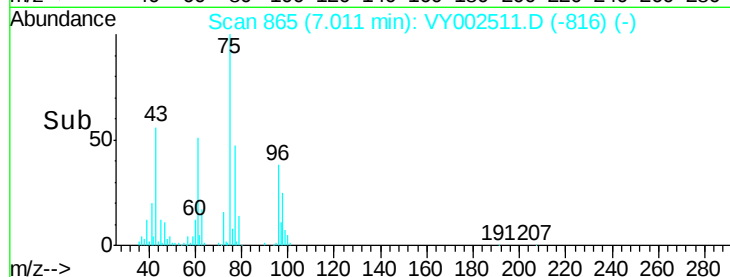
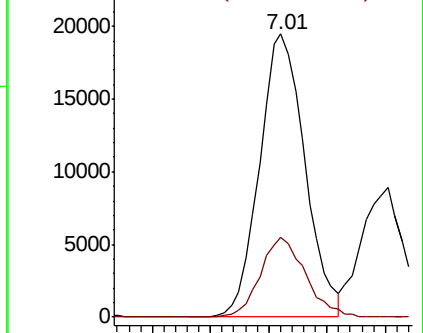
MMDadoda

5/5/2020 4:31:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 9.904 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002511.D

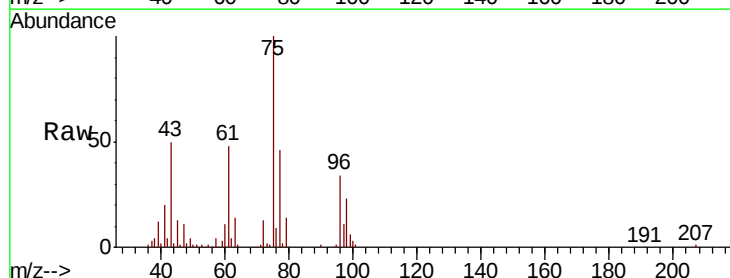
Acq: 30 Apr 2020 14:40

Tgt Ion: 77 Resp: 52488

Ion Ratio Lower Upper

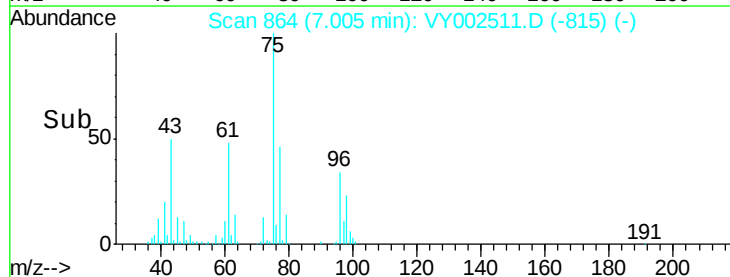
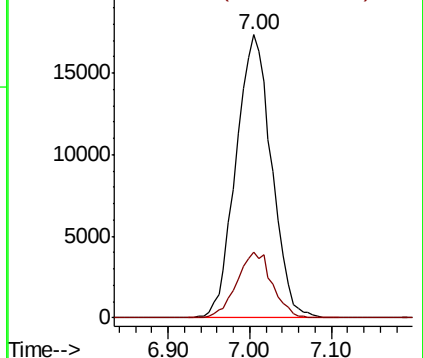
77 100

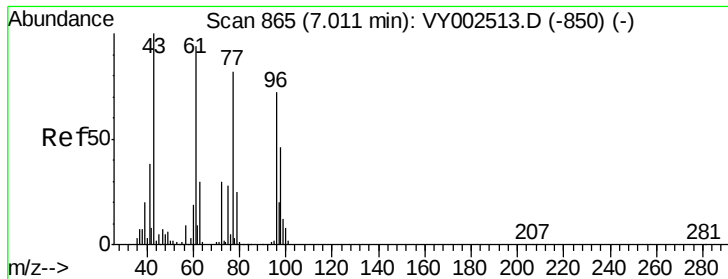
97 23.0 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





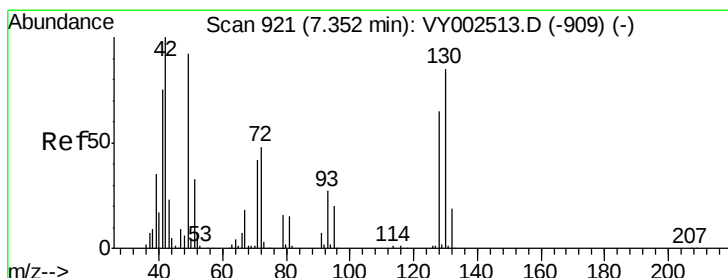
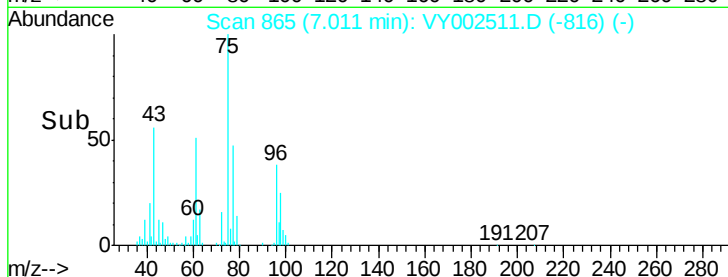
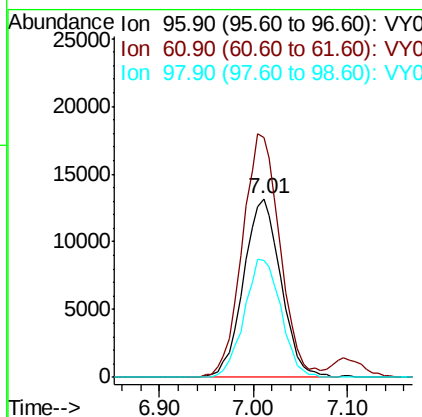
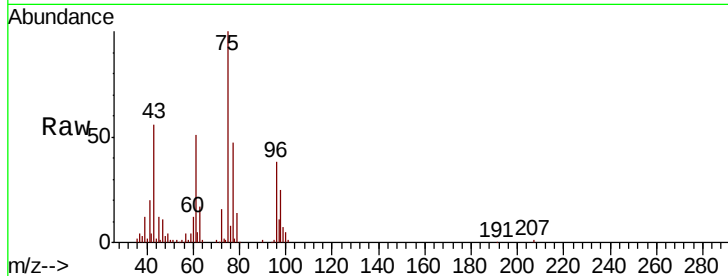
#27
 cis-1,2-Dichloroethene
 Concen: 9.489 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.2	0.0	266.6	
98	64.7	0.0	129.2	

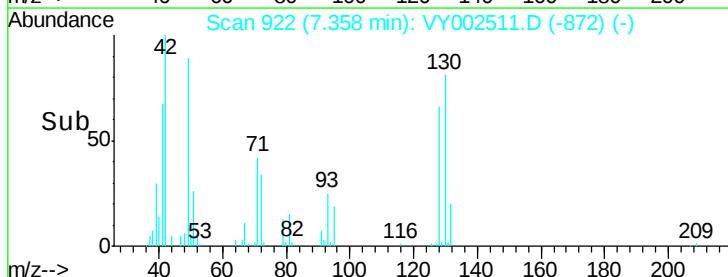
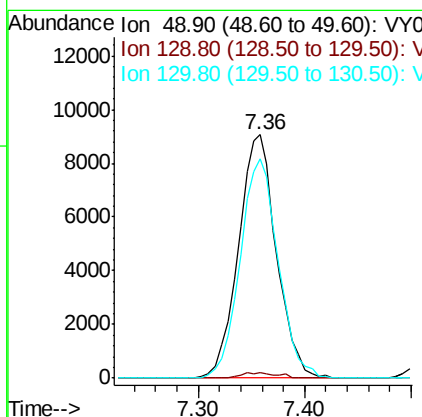
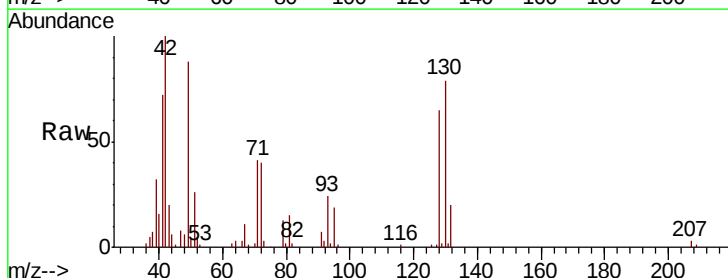
Manual Integrations
 APPROVED

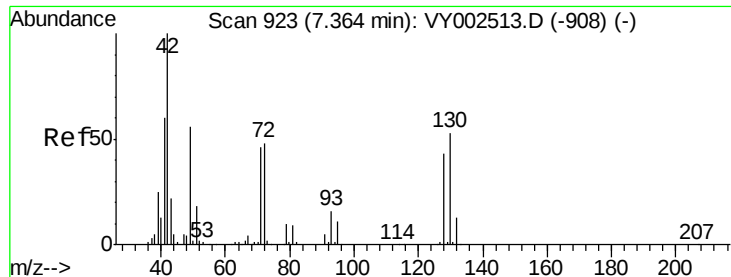
MMDadoda
 5/5/2020 4:31:03 PM



#28
 Bromochloromethane
 Concen: 9.893 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.8	
130	90.4	72.5	108.7	





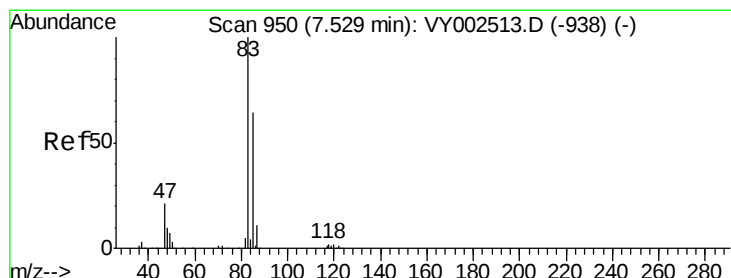
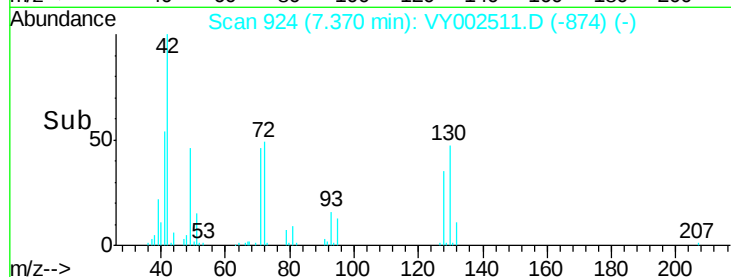
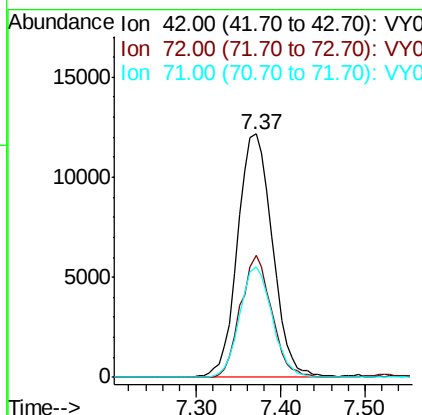
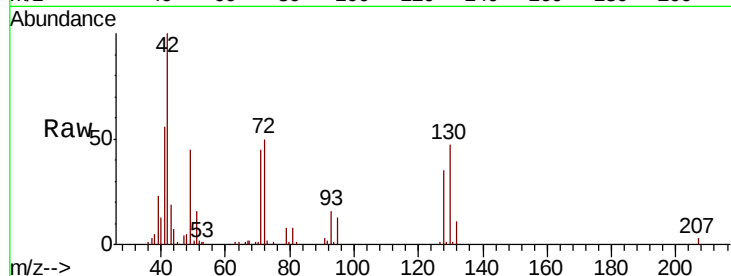
#29
Tetrahydrofuran
Concen: 48.920 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.4	56.2
71	42.1	35.0	52.4

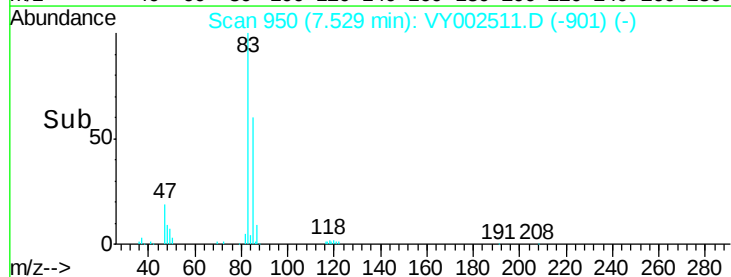
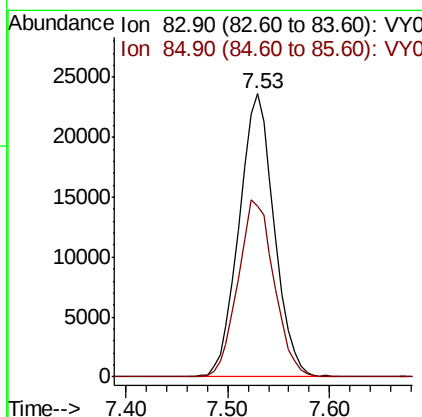
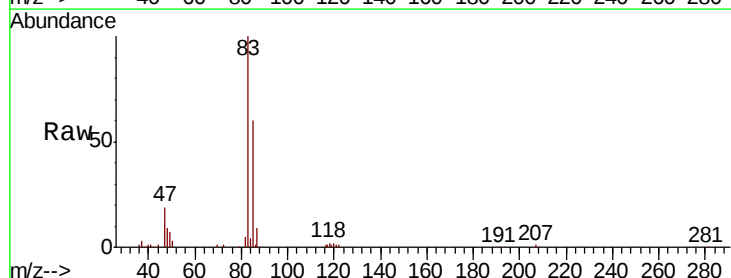
Manual Integrations
APPROVED

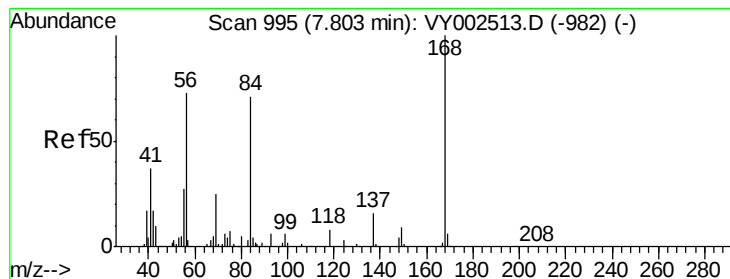
MMDadoda
5/5/2020 4:31:03 PM



#30
Chloroform
Concen: 9.745 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.5	77.3





#31

Cyclohexane

Concen: 9.705 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

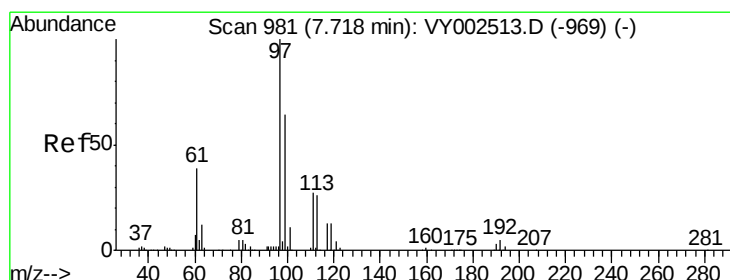
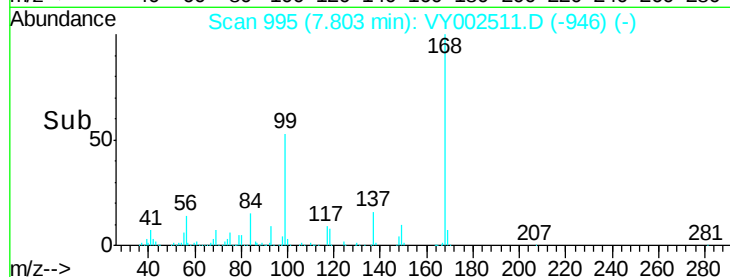
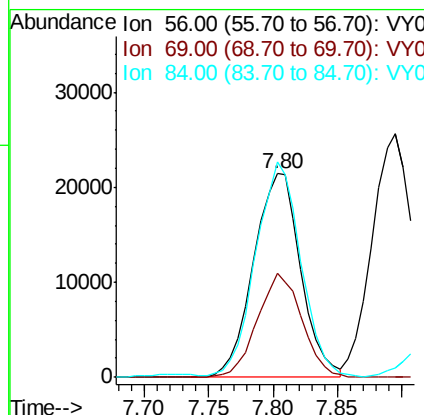
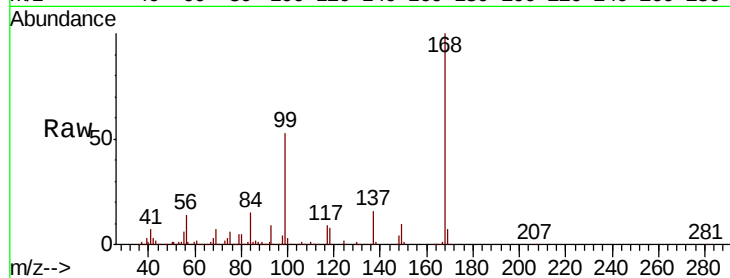
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	51.0	27.6	41.4#	
84	104.3	77.7	116.5	

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#32

1,1,1-Trichloroethane

Concen: 9.695 ug/l

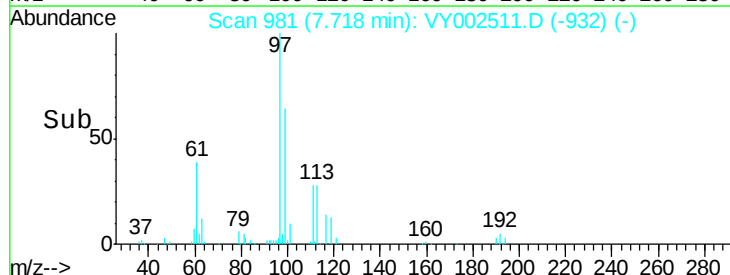
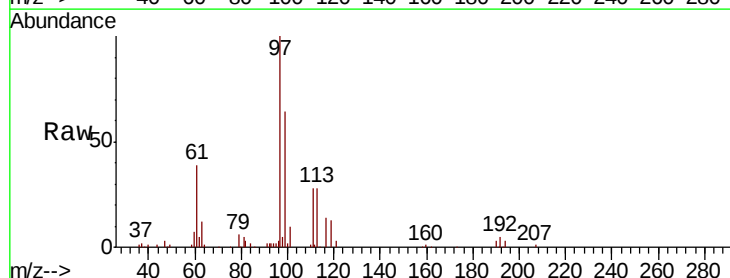
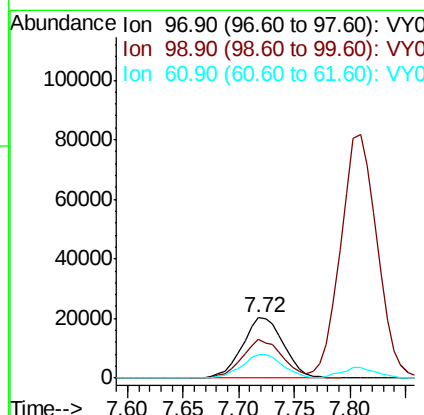
RT: 7.72 min Scan# 981

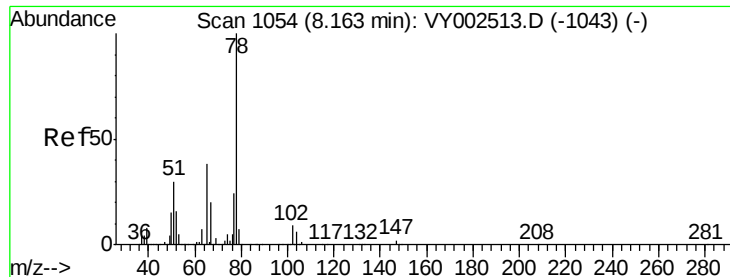
Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	61.7	51.9	77.9	
61	38.9	31.0	46.6	





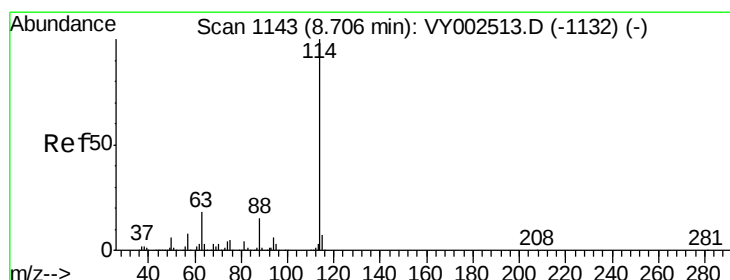
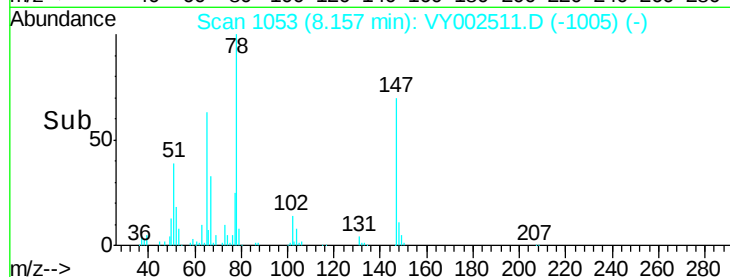
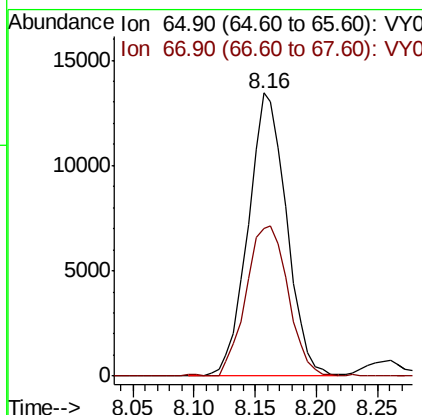
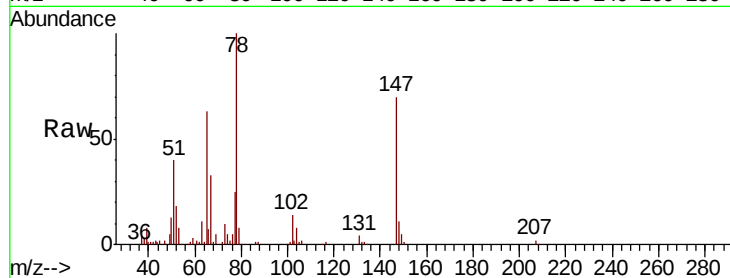
#33
 1,2-Dichloroethane-d4
 Concen: 9.421 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	29419		
67	57.7	0.0	107.2	

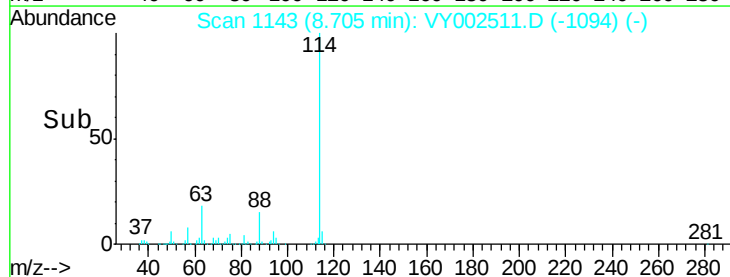
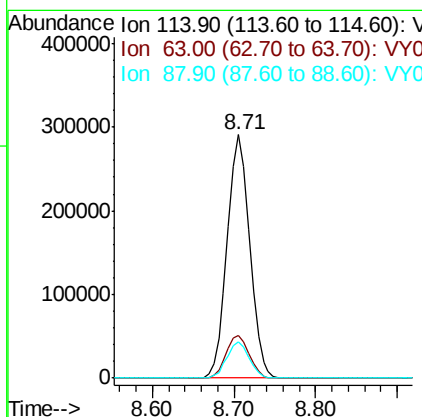
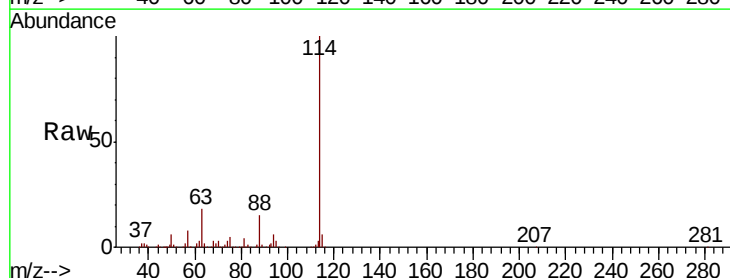
Manual Integrations
 APPROVED

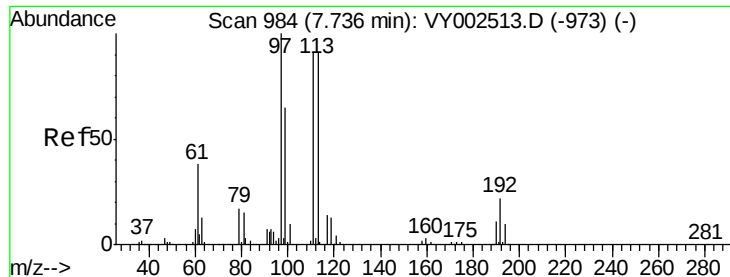
MMDadoda
 5/5/2020 4:31:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	551766		
63	17.7	0.0	36.4	
88	14.6	0.0	29.6	





#35

Dibromofluoromethane

Concen: 9.513 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

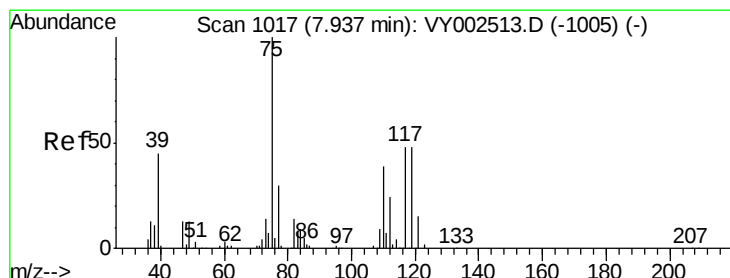
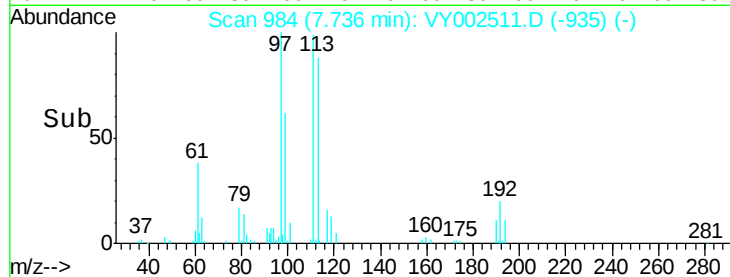
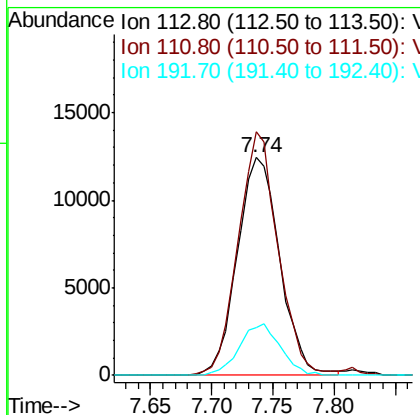
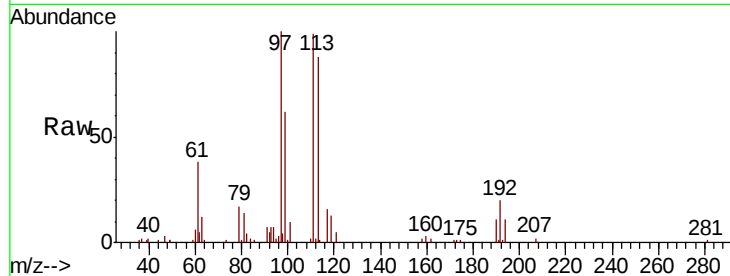
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	30019
Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.8	122.6
192	23.1	18.2	27.4

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#36

1,1-Dichloropropene

Concen: 9.429 ug/l

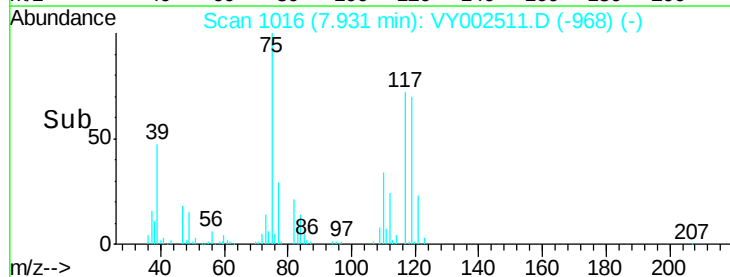
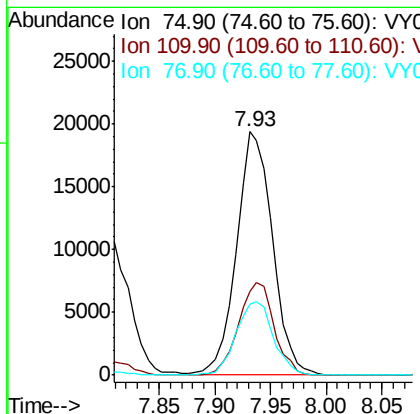
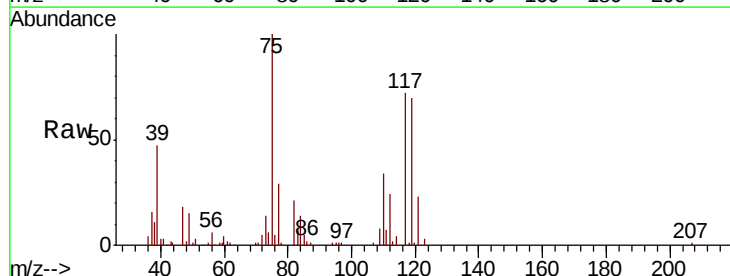
RT: 7.93 min Scan# 1016

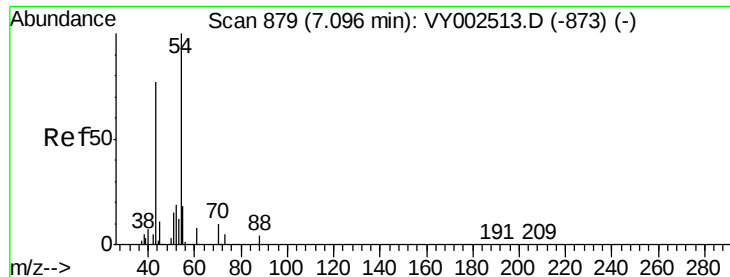
Delta R.T. -0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	75	Resp:	43616
Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.1	57.3
77	31.2	24.6	37.0





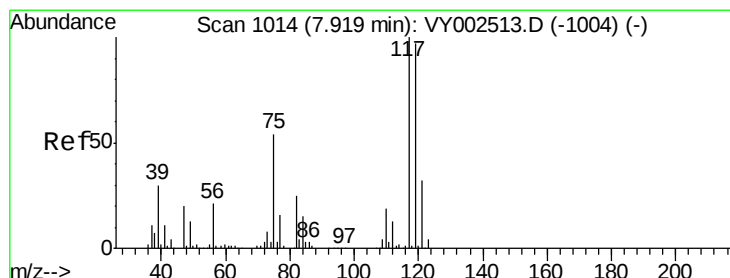
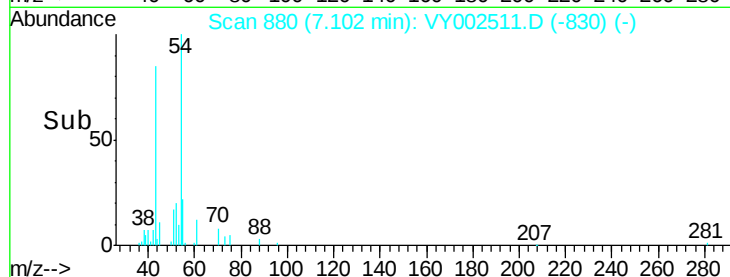
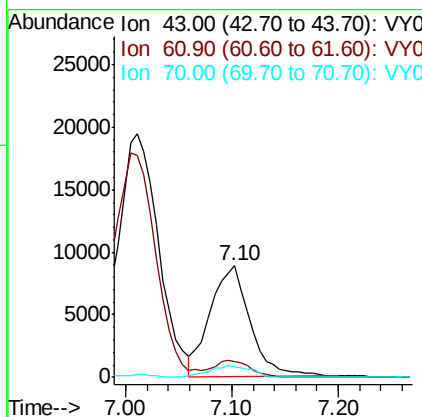
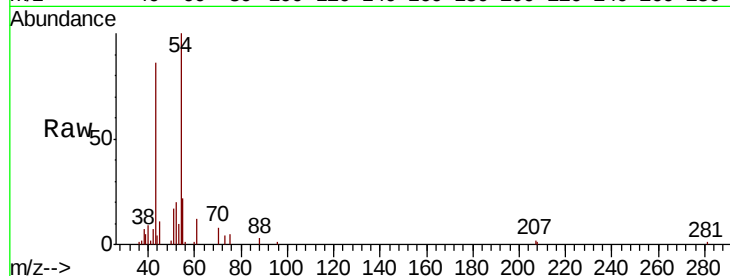
#37
Ethyl Acetate
Concen: 9.718 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	10.9	9.0	13.6

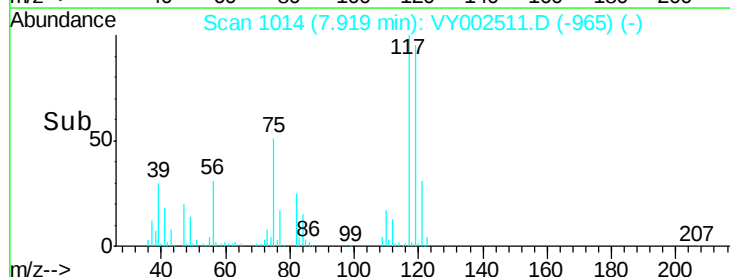
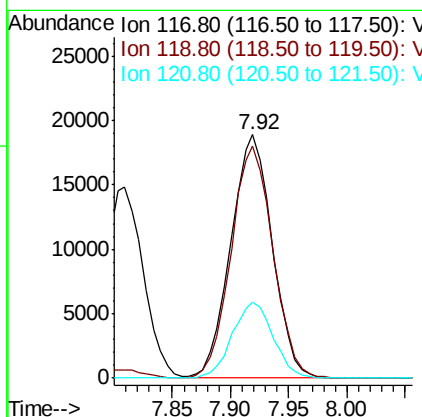
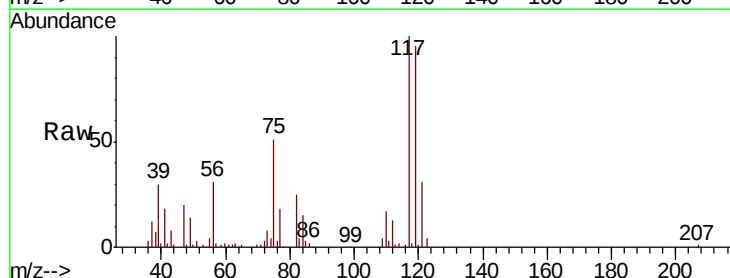
Manual Integrations
APPROVED

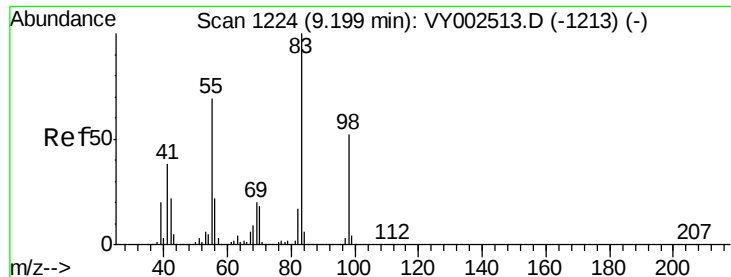
MMDadoda
5/5/2020 4:31:03 PM



#38
Carbon Tetrachloride
Concen: 9.289 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.1	115.7
121	31.3	25.2	37.8





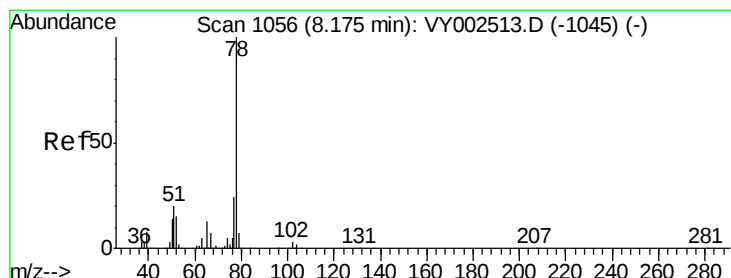
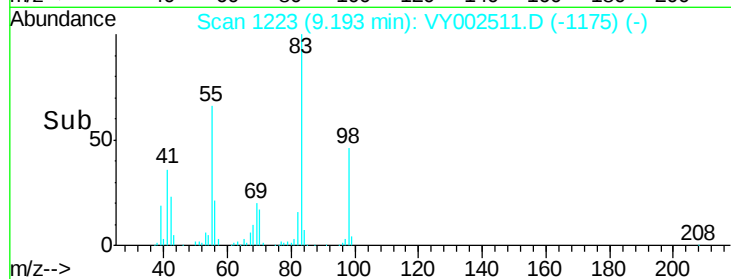
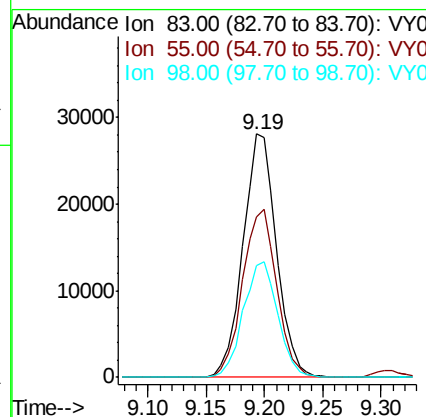
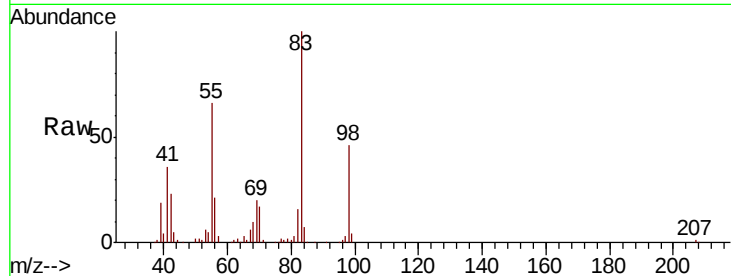
#39
Methvlcvclohexane
Concen: 9.206 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.9	55.4	83.0
98	46.2	41.3	61.9

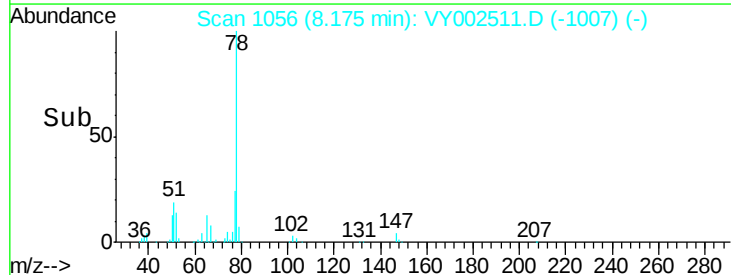
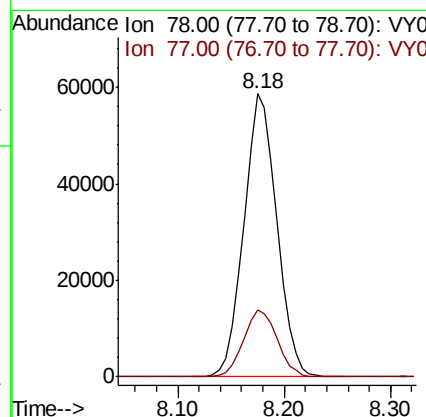
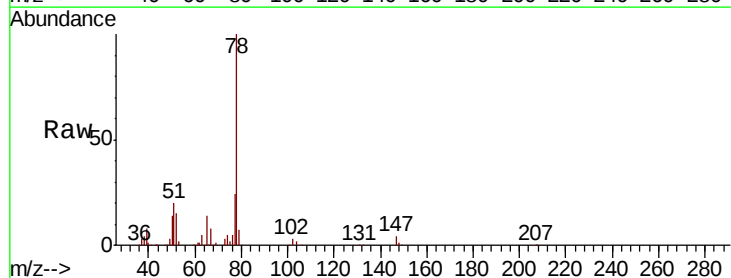
Manual Integrations
APPROVED

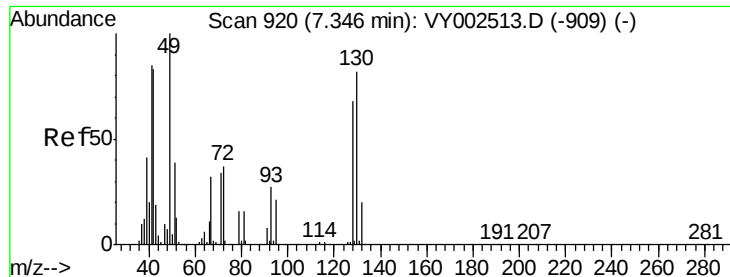
MMDadoda
5/5/2020 4:31:03 PM



#40
Benzene
Concen: 9.528 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





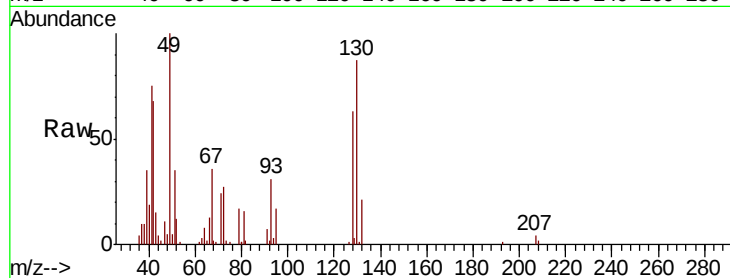
#41
Methacrylonitrile
Concen: 10.346 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

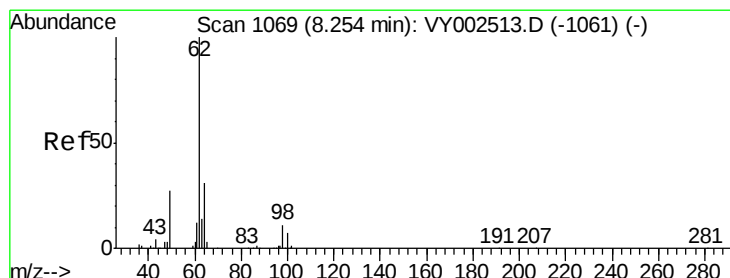
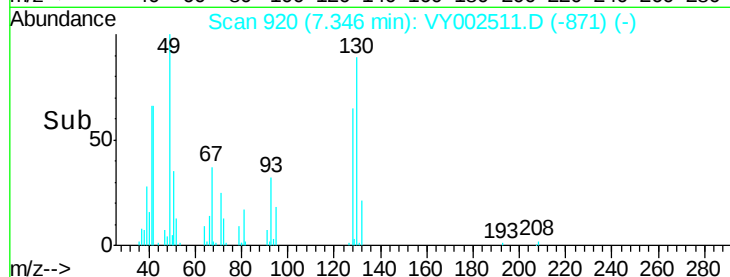
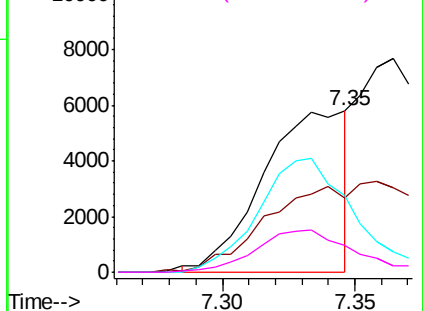
Tot Ion	Ratio	Lower	Upper
41	100		
39	114.9	83.1	124.7
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM

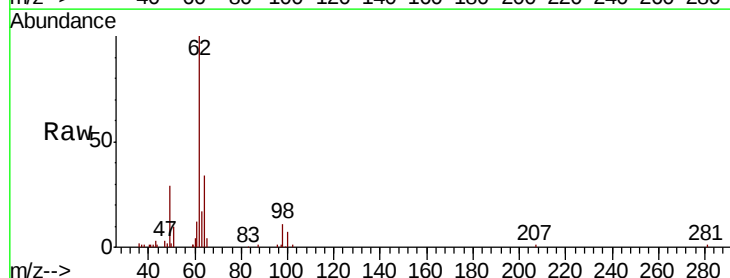


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

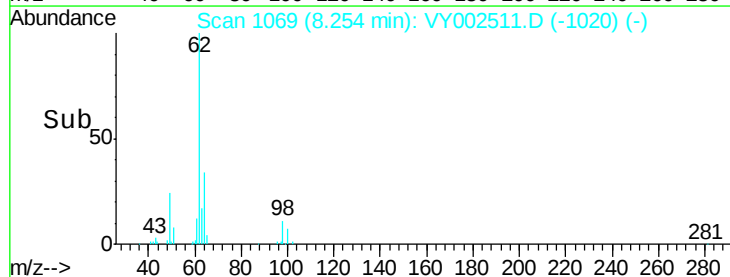
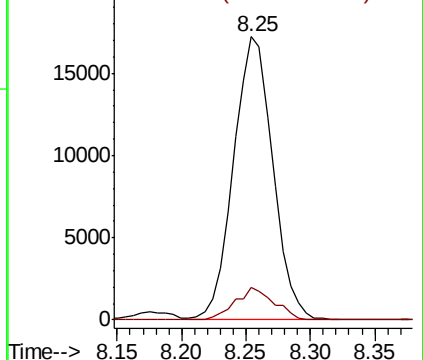


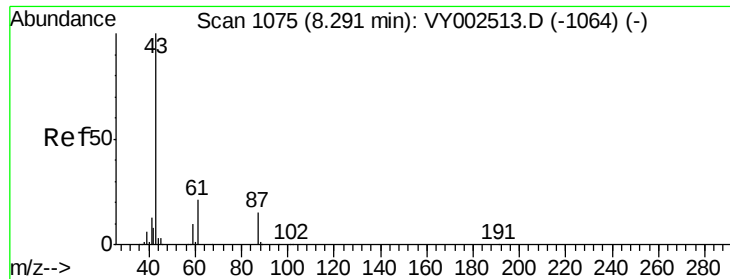
#42
1,2-Dichloroethane
Concen: 9.722 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 9.572 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

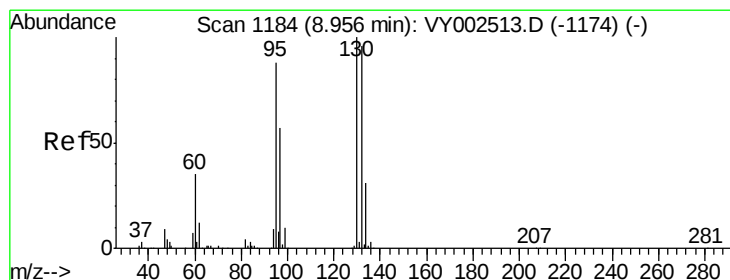
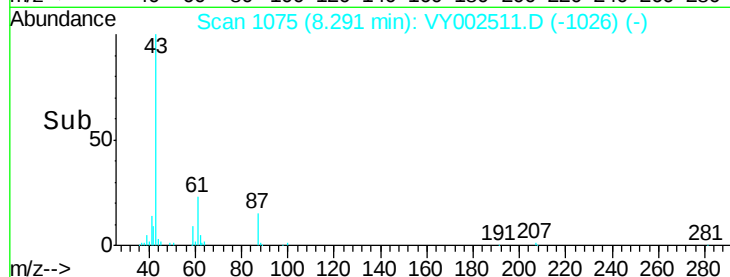
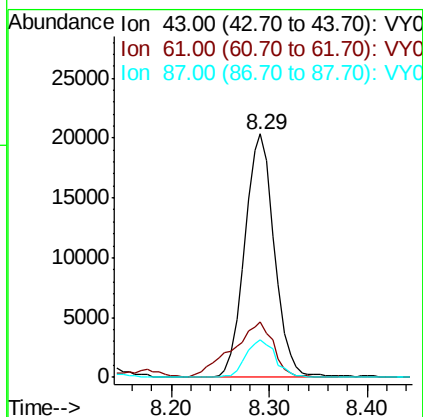
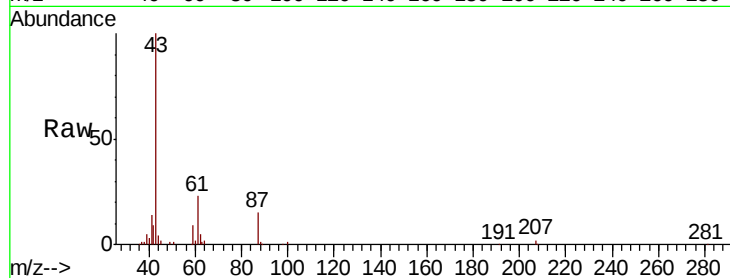
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	42654
Ion	Ratio	Lower	Upper
43	100		
61	31.5	24.8	37.2
87	15.3	12.2	18.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#44

Trichloroethene

Concen: 9.560 ug/l

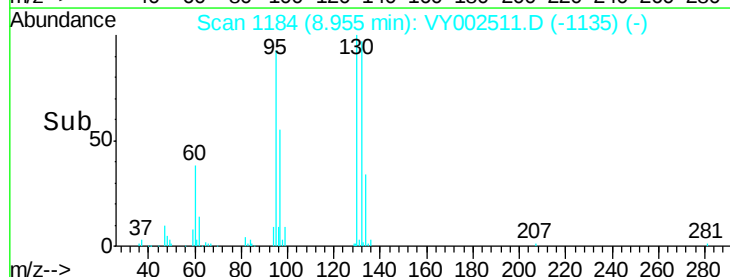
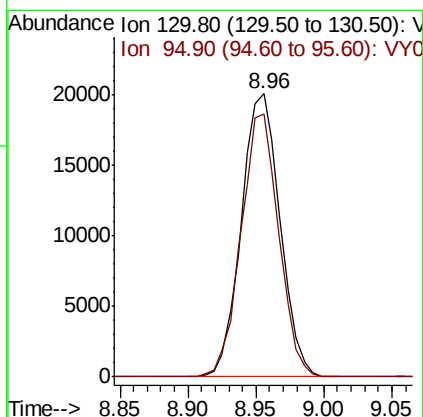
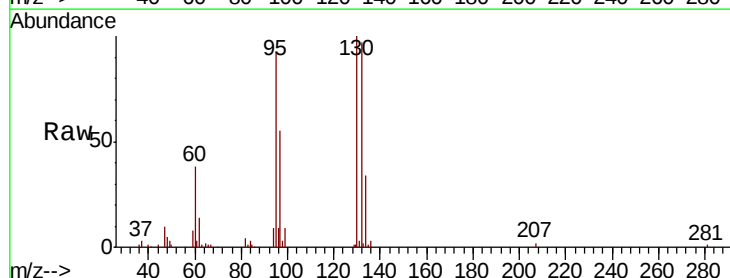
RT: 8.96 min Scan# 1184

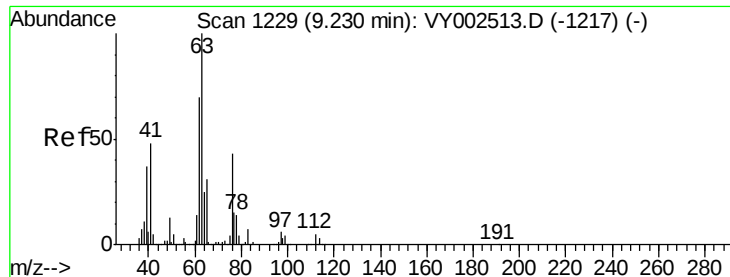
Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	130	Resp:	39914
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	175.8





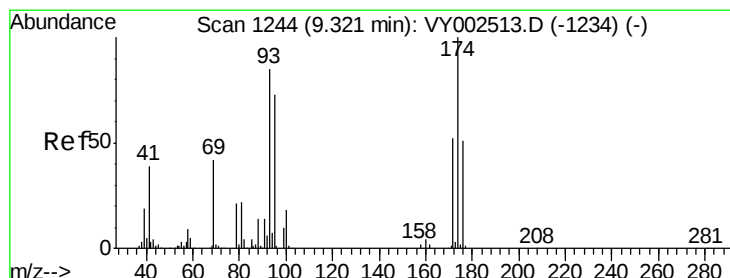
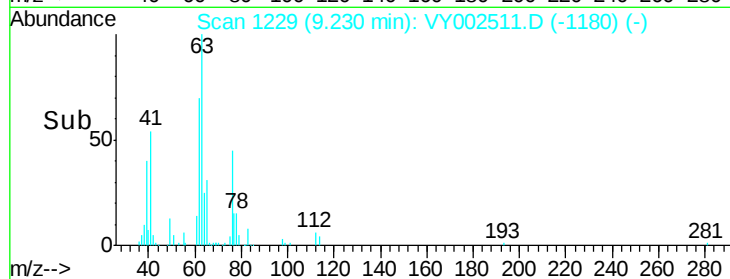
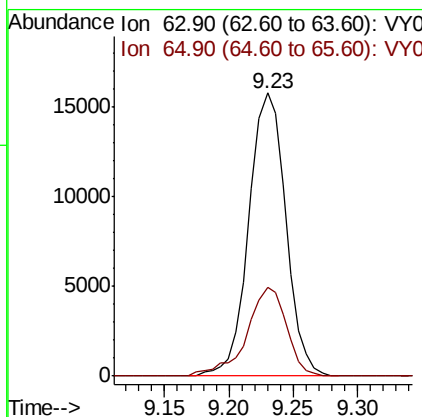
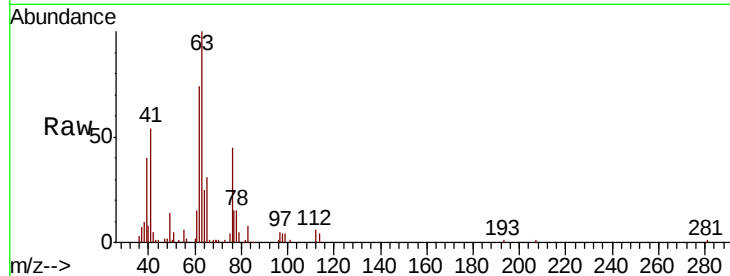
#45
 1,2-Dichloropropane
 Concen: 9.722 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7

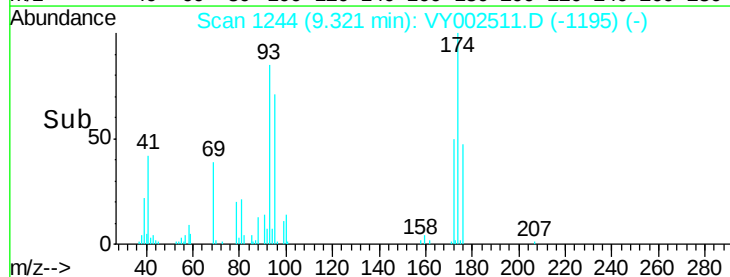
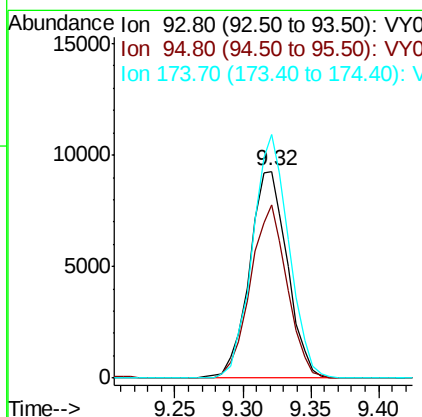
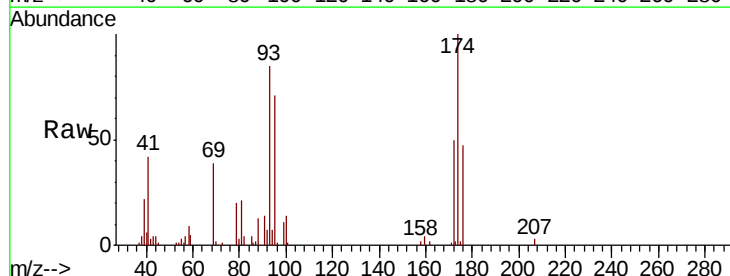
Manual Integrations
 APPROVED

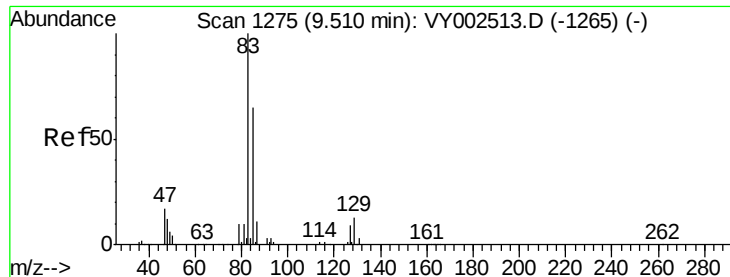
MMDadoda
 5/5/2020 4:31:03 PM



#46
 Dibromomethane
 Concen: 9.727 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.0	100.4
174	113.4	92.7	139.1





#47

Bromodichloromethane

Concen: 9.510 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

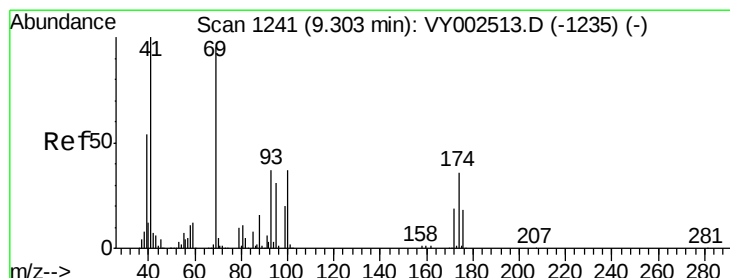
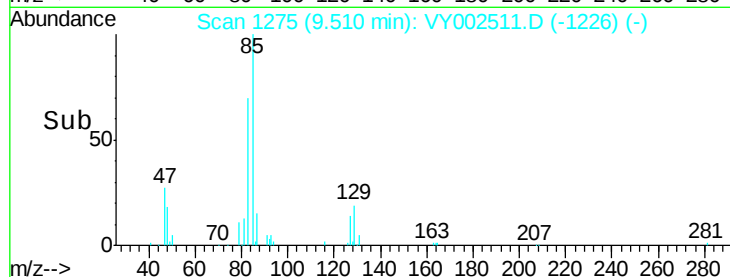
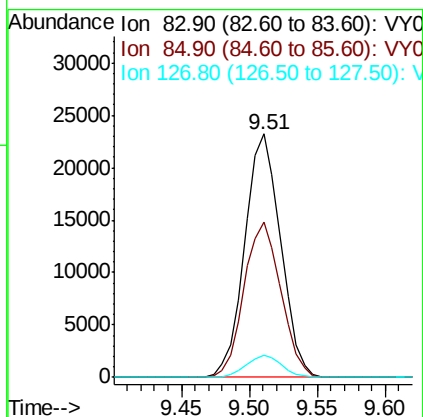
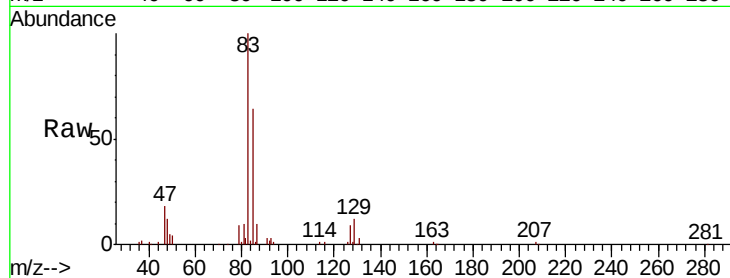
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	42898
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8
127	9.1	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#48

Methyl methacrylate

Concen: 9.627 ug/l

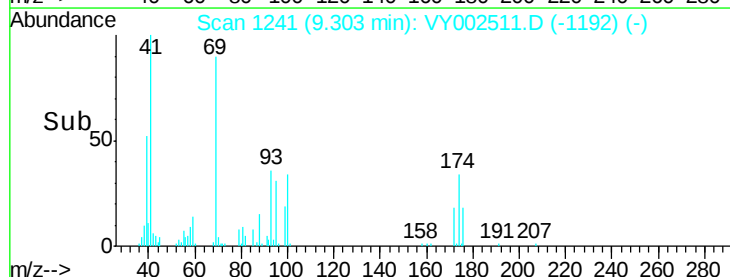
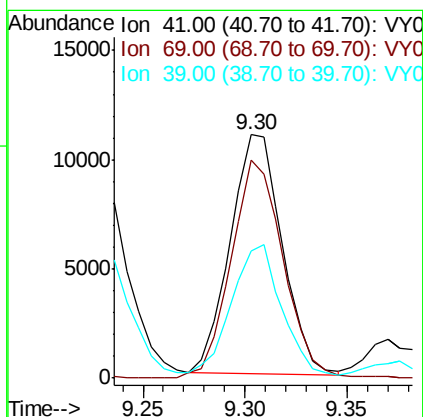
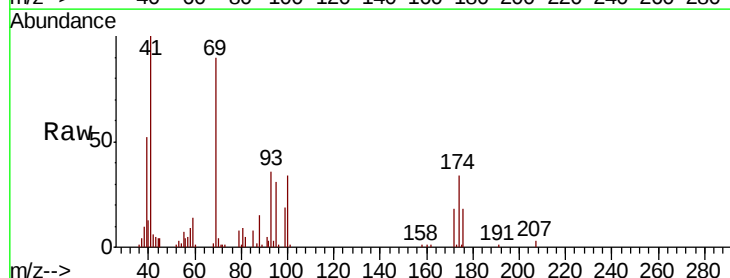
RT: 9.30 min Scan# 1241

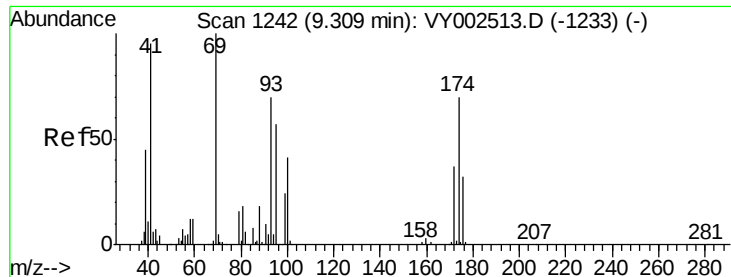
Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	41	Resp:	19415
Ion	Ratio	Lower	Upper
41	100		
69	91.6	76.2	114.4
39	52.8	42.7	64.1





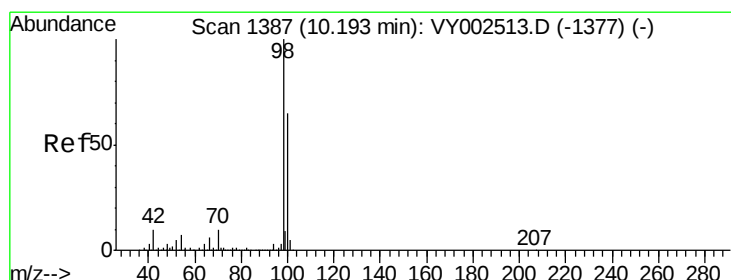
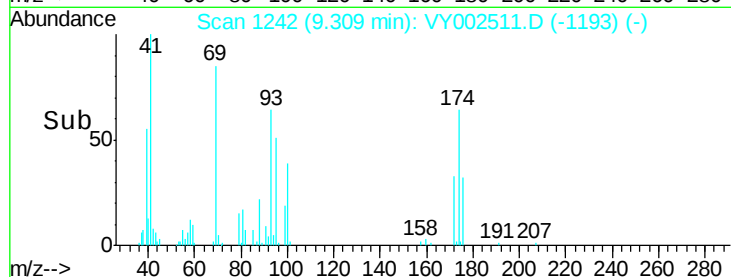
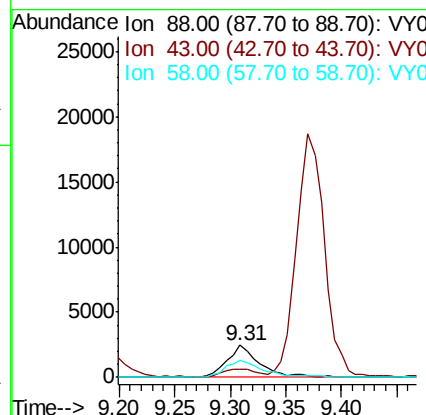
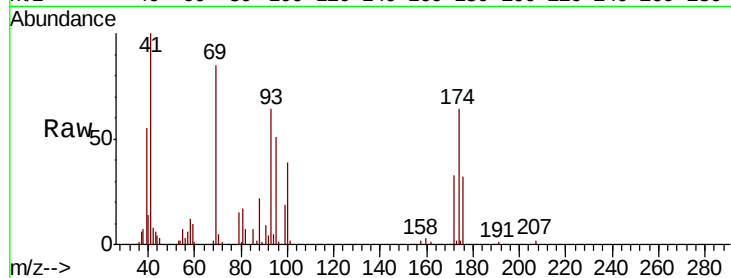
#49
1,4-Dioxane
Concen: 198.802 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.8	34.2
58	57.1	51.4	77.2

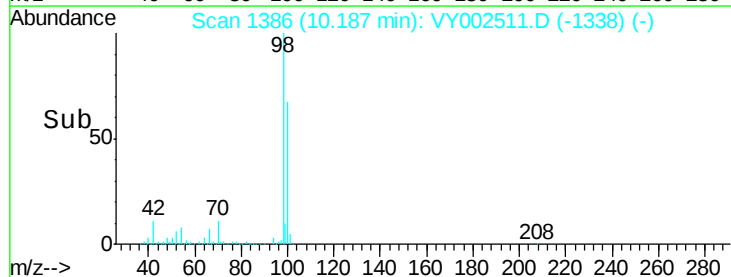
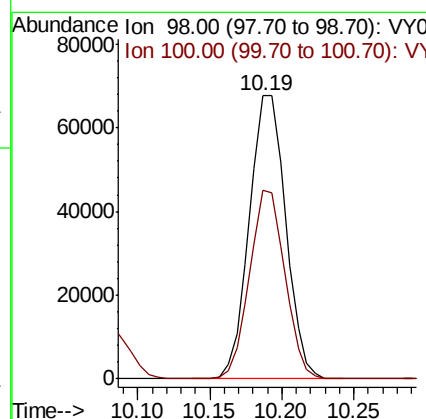
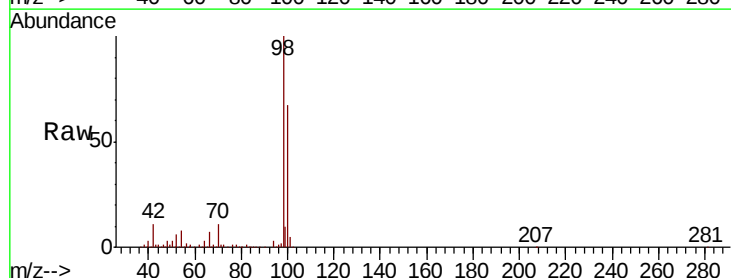
Manual Integrations
APPROVED

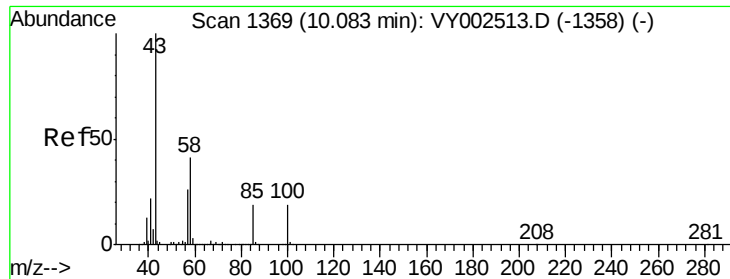
MMDadoda
5/5/2020 4:31:03 PM



#50
Toluene-d8
Concen: 9.620 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 48.364 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 111083

Ion Ratio Lower Upper

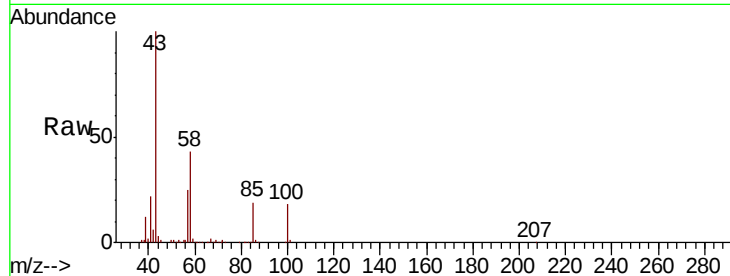
43 100

58 41.4 33.2 49.8

Manual Integrations
APPROVED

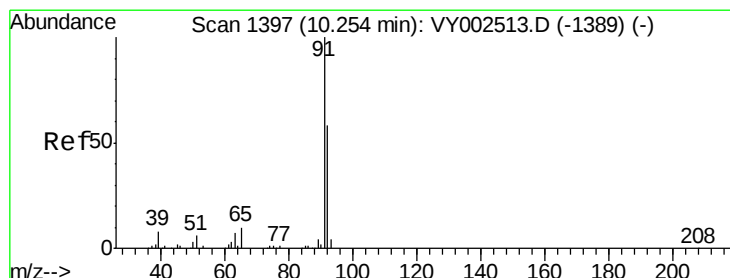
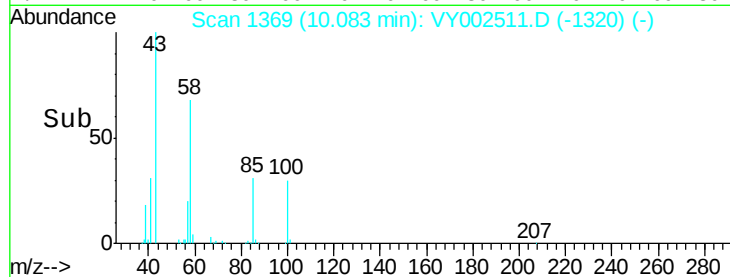
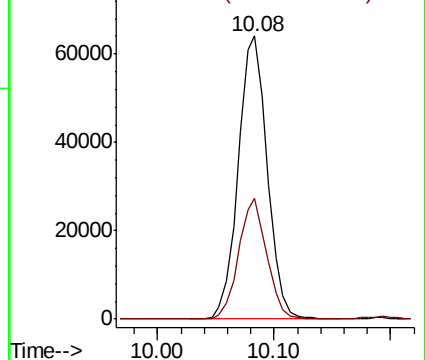
MMDadoda

5/5/2020 4:31:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 9.649 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VY002511.D

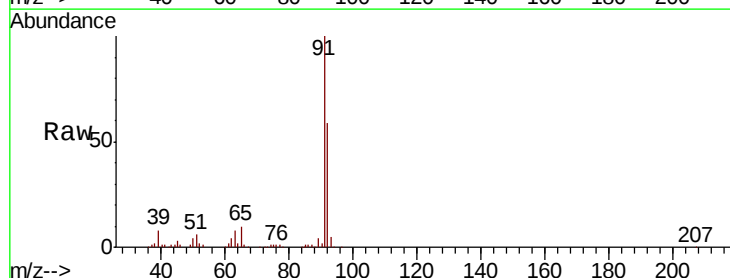
Acq: 30 Apr 2020 14:40

Tgt Ion: 92 Resp: 82844

Ion Ratio Lower Upper

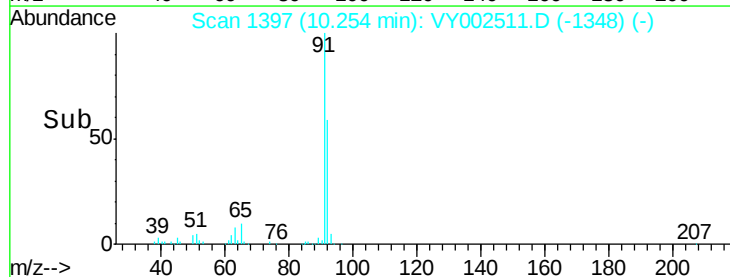
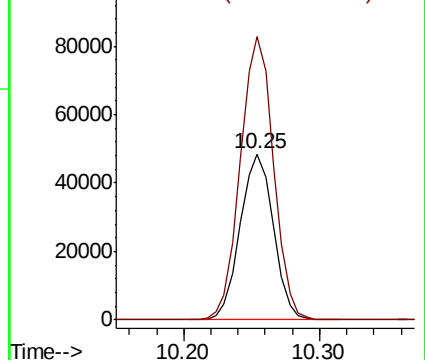
92 100

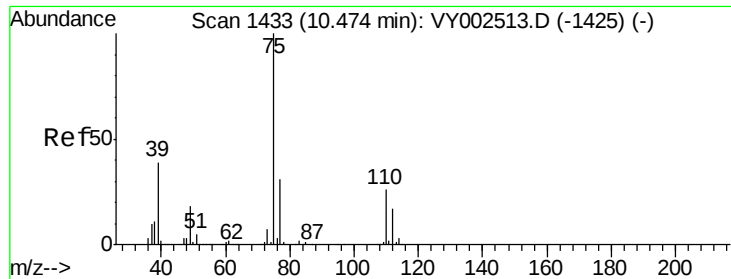
91 170.5 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





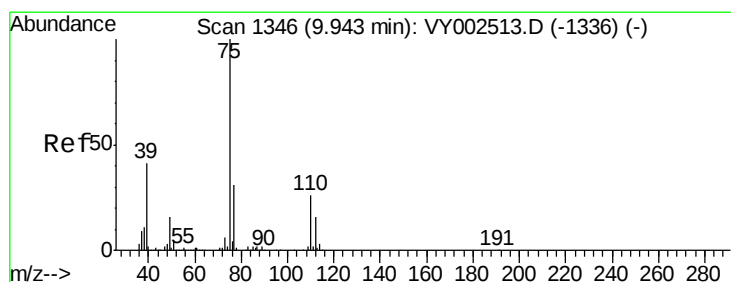
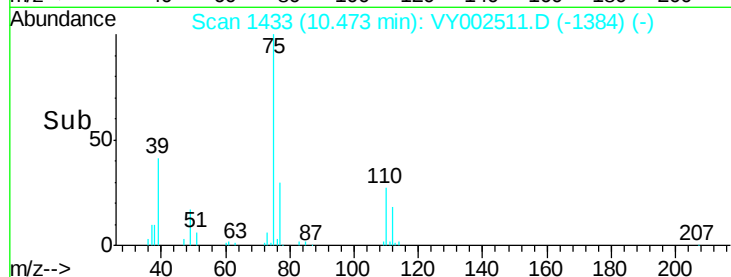
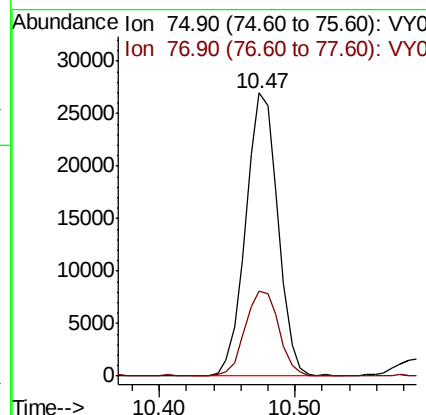
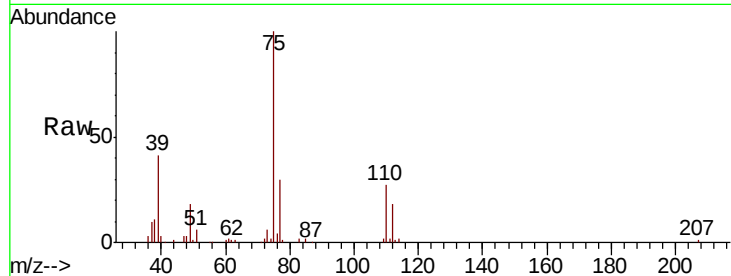
#53
t-1,3-Dichloropropene
Concen: 9.459 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 44704
Ion Ratio Lower Upper
75 100
77 30.2 25.0 37.6

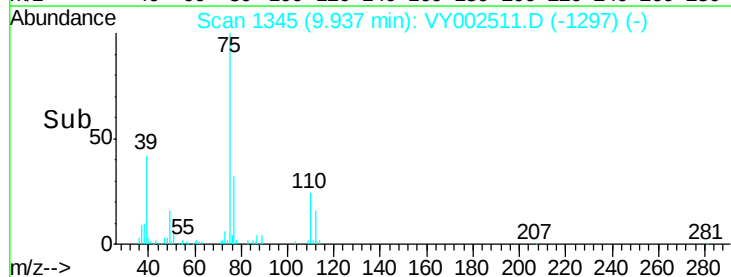
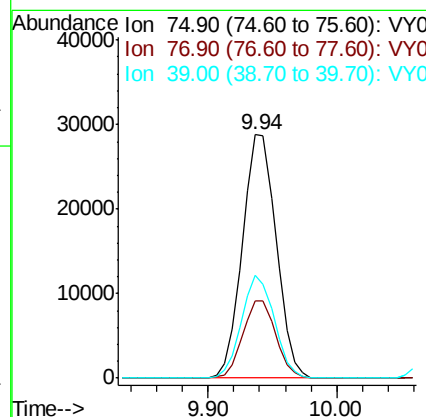
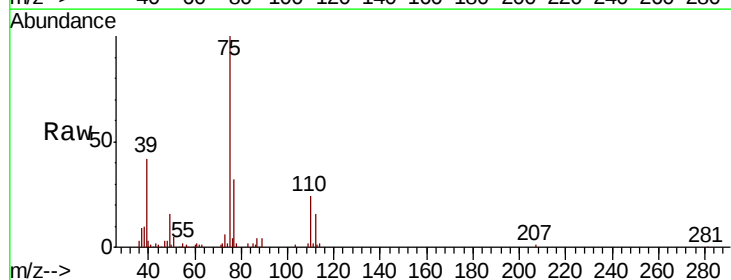
Manual Integrations
APPROVED

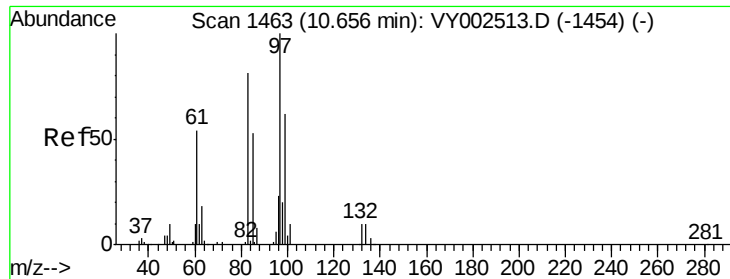
MMDadoda
5/5/2020 4:31:03 PM



#54
cis-1,3-Dichloropropene
Concen: 9.596 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion: 75 Resp: 52427
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 42.1 32.7 49.1





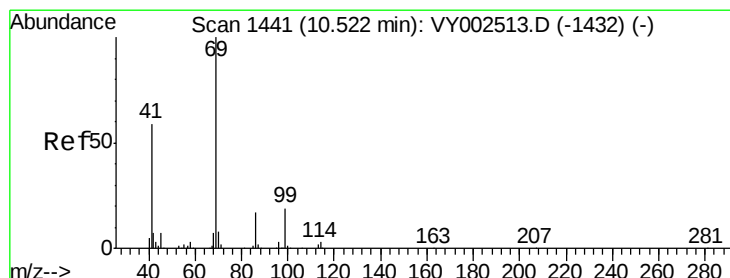
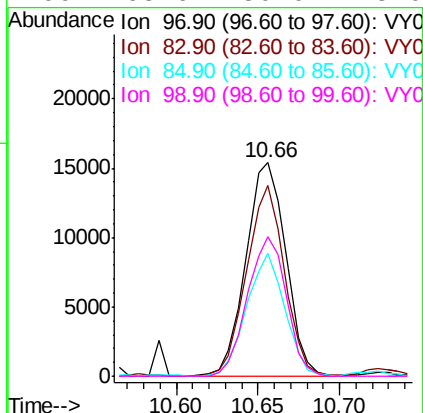
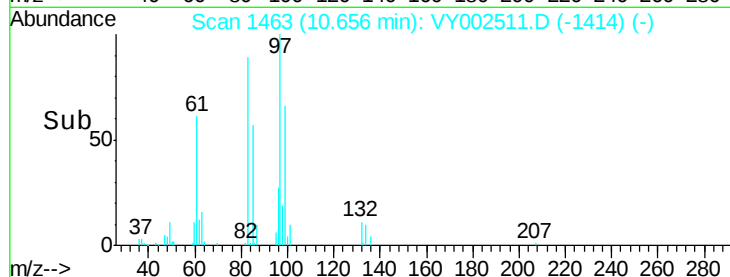
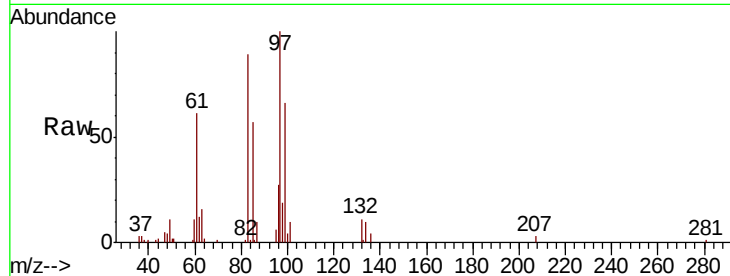
#55
 1,1,2-Trichloroethane
 Concen: 9.728 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	26317
Ion	Ratio	Lower	Upper
97	100		
83	89.1	65.1	97.7
85	57.3	42.7	64.1
99	65.6	50.0	75.0

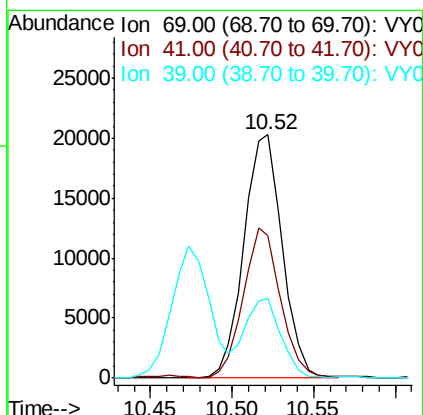
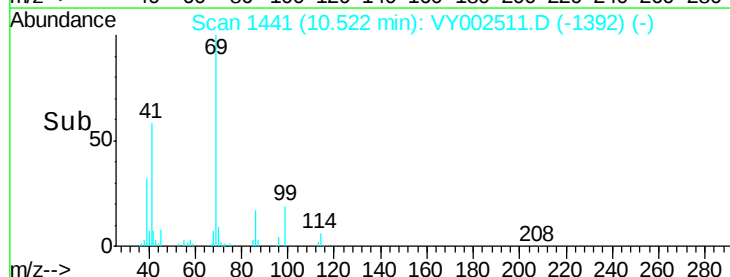
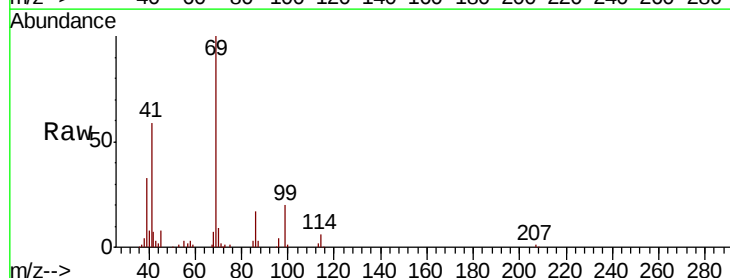
Manual Integrations
 APPROVED

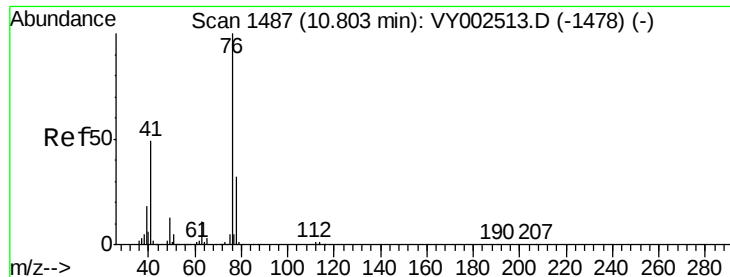
MMDadoda
 5/5/2020 4:31:03 PM



#56
 Ethyl methacrylate
 Concen: 9.225 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion:	69	Resp:	33200
Ion	Ratio	Lower	Upper
69	100		
41	60.6	48.6	73.0
39	31.6	25.0	37.4





#57

1,3-Dichloropropane

Concen: 9.831 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 45101

Ion Ratio Lower Upper

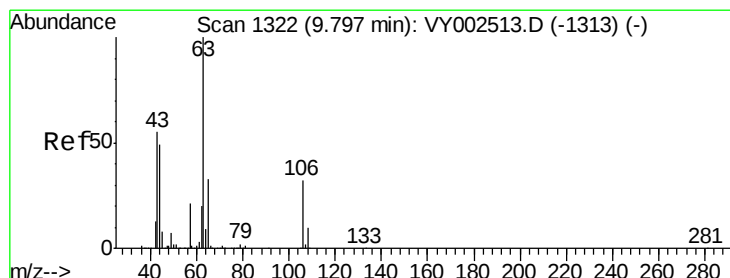
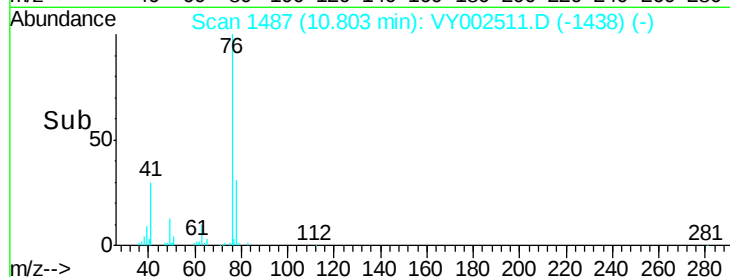
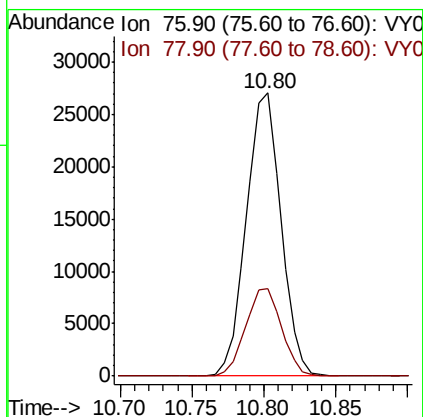
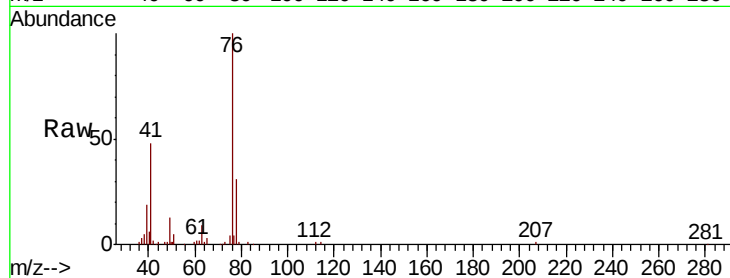
76 100

78 31.8 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

5/5/2020 4:31:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 51.134 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002511.D

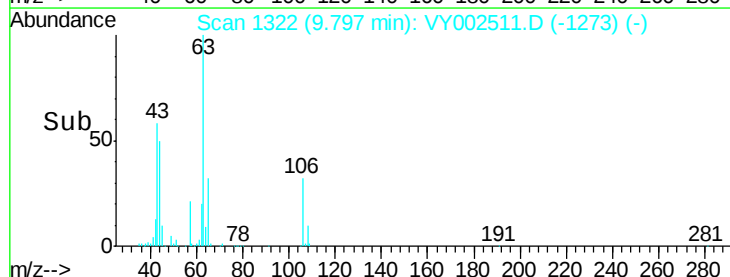
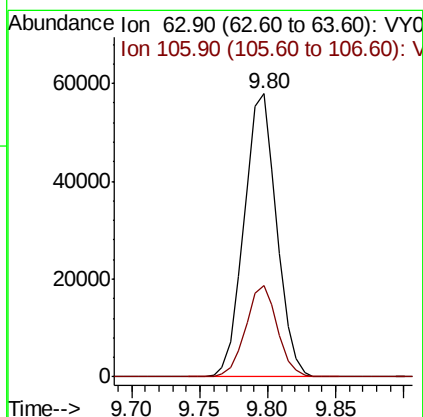
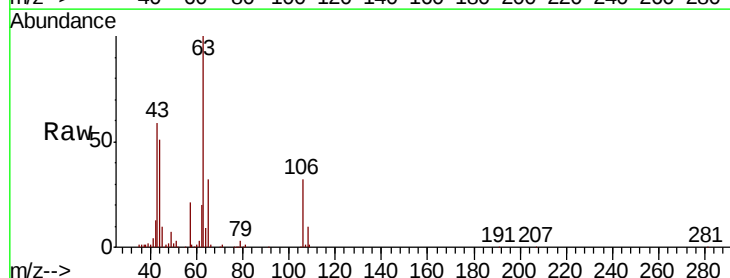
Acq: 30 Apr 2020 14:40

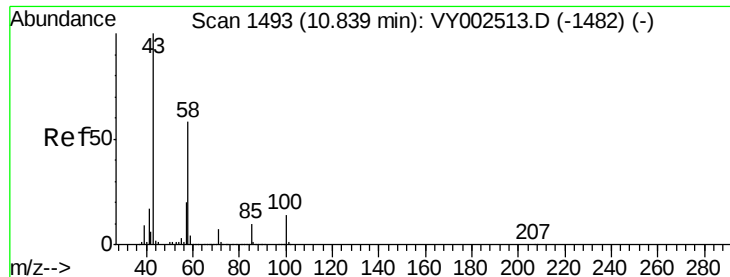
Tgt Ion: 63 Resp: 97044

Ion Ratio Lower Upper

63 100

106 31.4 25.2 37.8





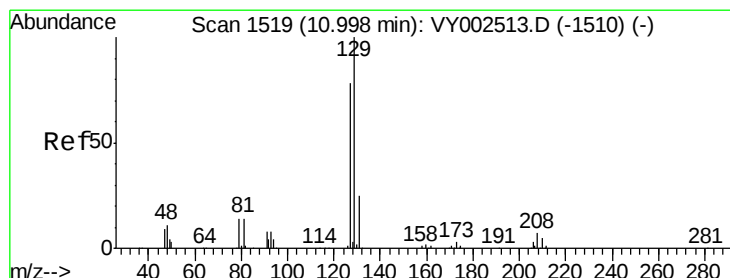
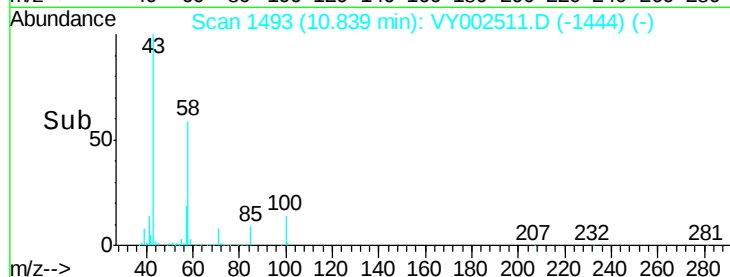
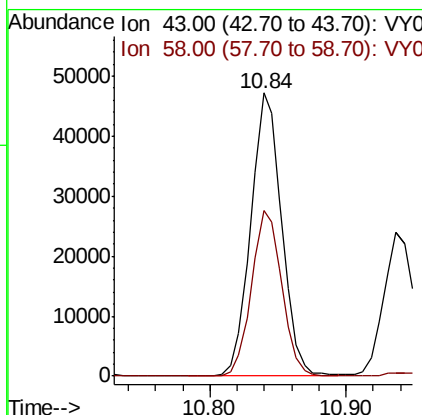
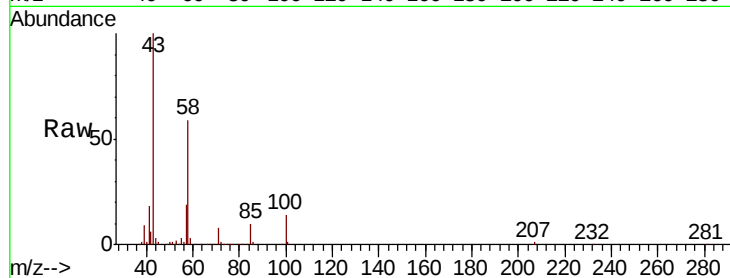
#59
2-Hexanone
Concen: 47.680 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 75374
Ion Ratio Lower Upper
43 100
58 57.5 29.1 87.3

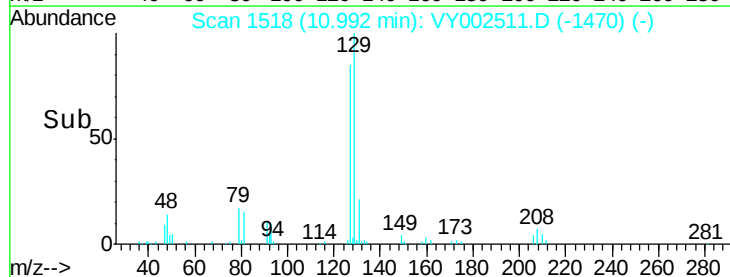
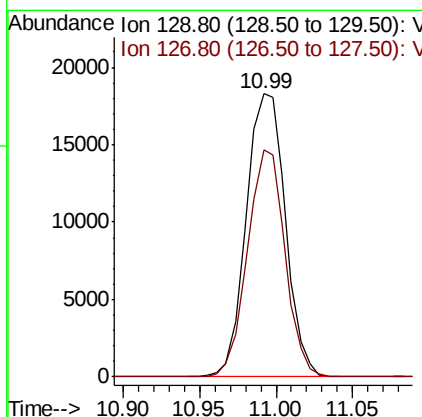
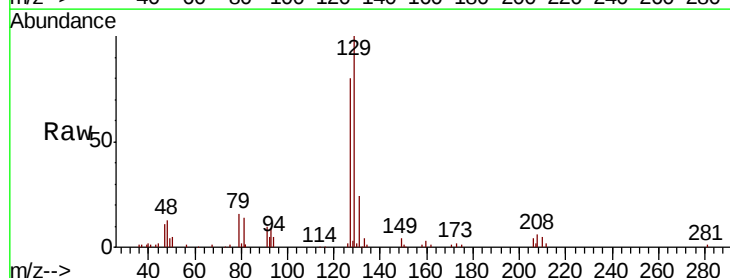
Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#60
Dibromochloromethane
Concen: 9.477 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion: 129 Resp: 32607
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





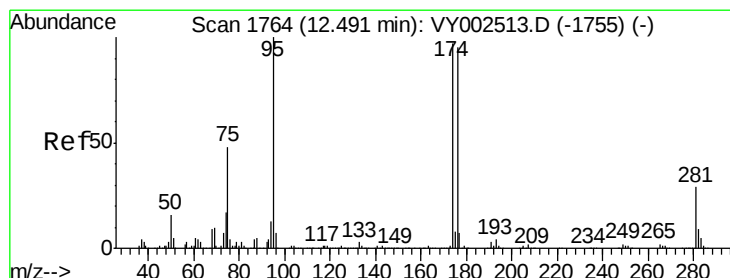
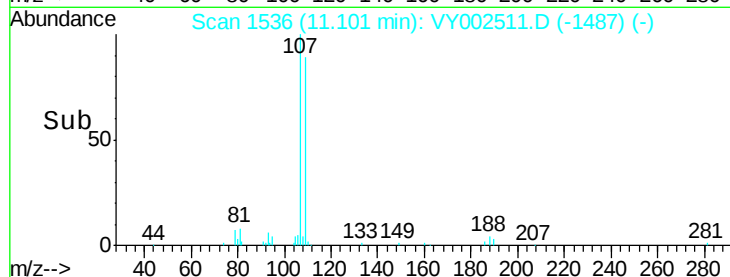
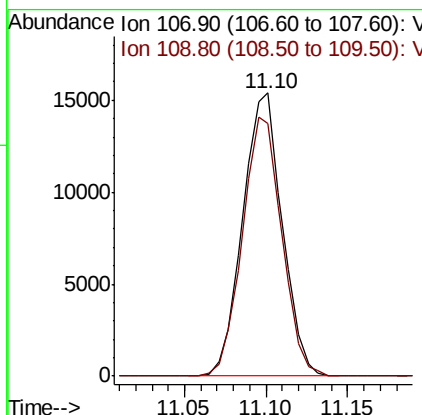
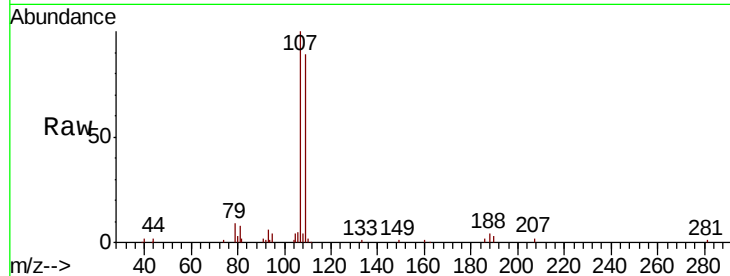
#61
 1,2-Dibromoethane
 Concen: 9.656 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 25865
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.8 113.8

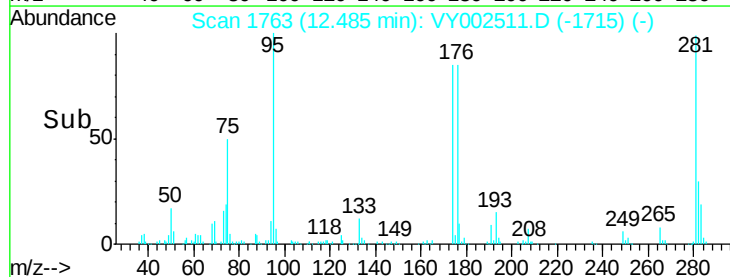
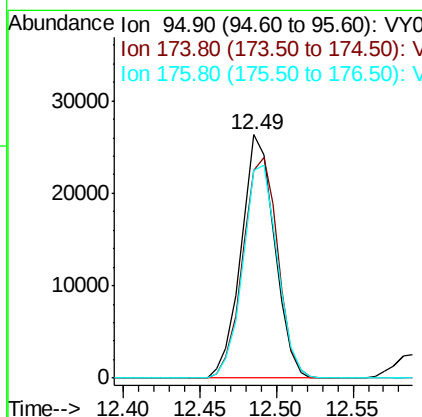
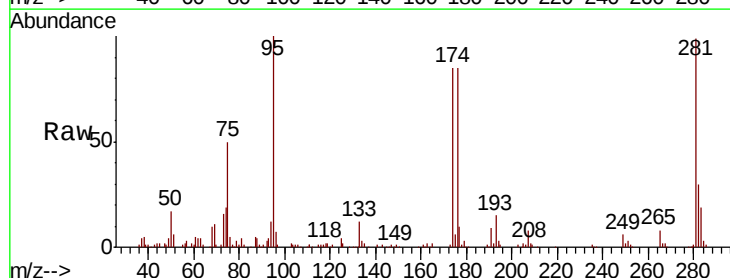
Manual Integrations
 APPROVED

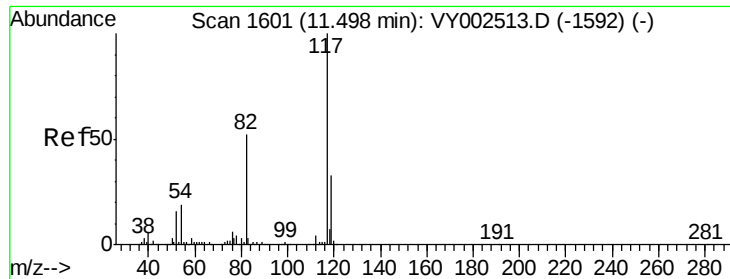
MMDadoda
 5/5/2020 4:31:03 PM



#62
 4-Bromofluorobenzene
 Concen: 9.592 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion: 95 Resp: 40107
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 188.8
 176 90.3 0.0 183.2





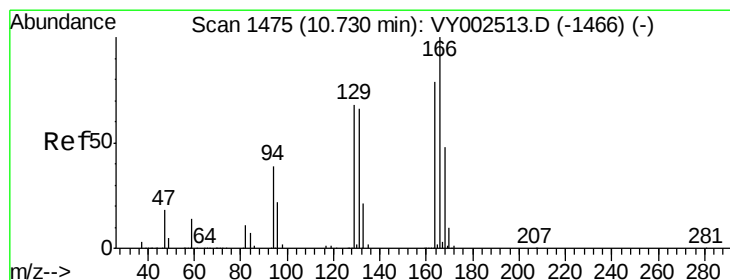
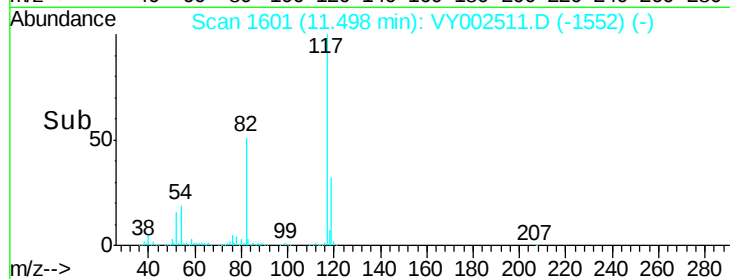
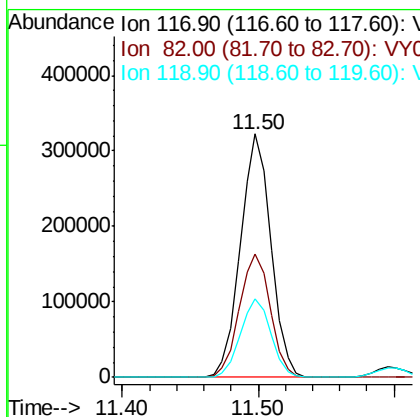
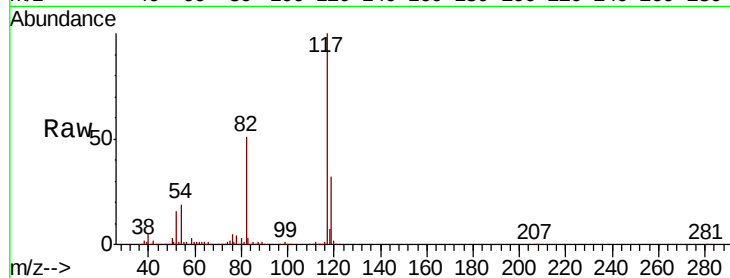
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.3	61.9
119	32.1	26.0	39.0

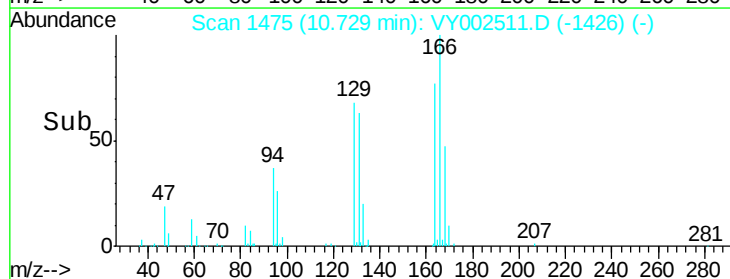
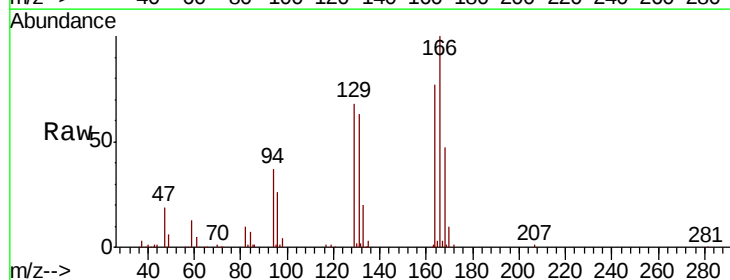
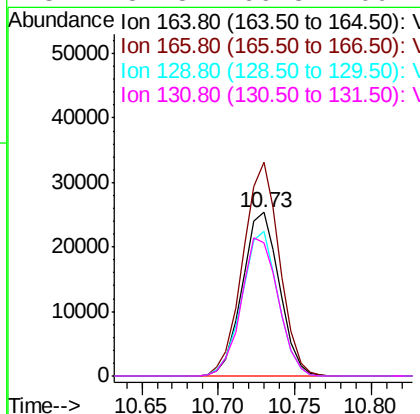
Manual Integrations
APPROVED

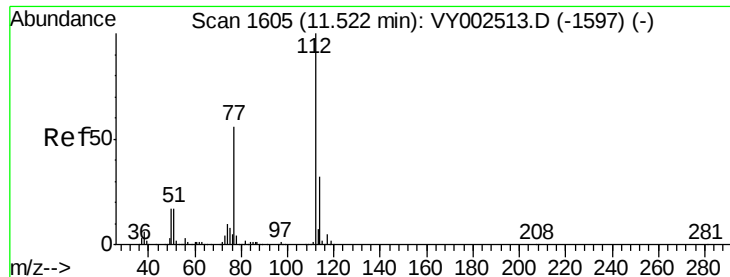
MMDadoda
5/5/2020 4:31:03 PM



#64
Tetrachloroethene
Concen: 9.522 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.7	151.1
129	88.3	68.3	102.5
131	81.8	66.8	100.2





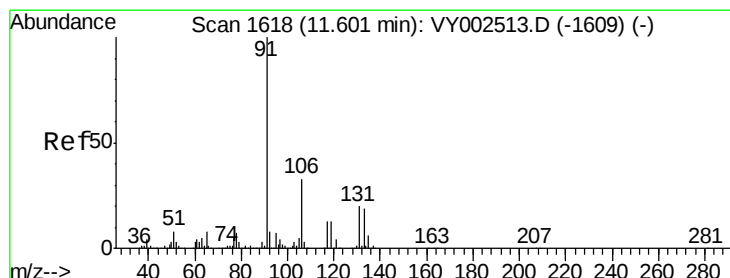
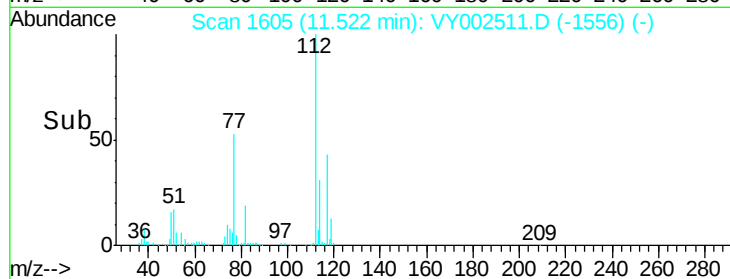
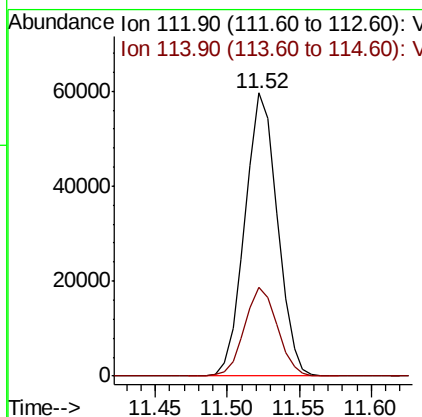
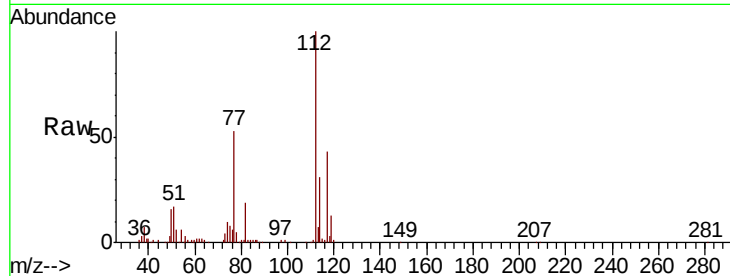
#65
Chlorobenzene
Concen: 9.724 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6

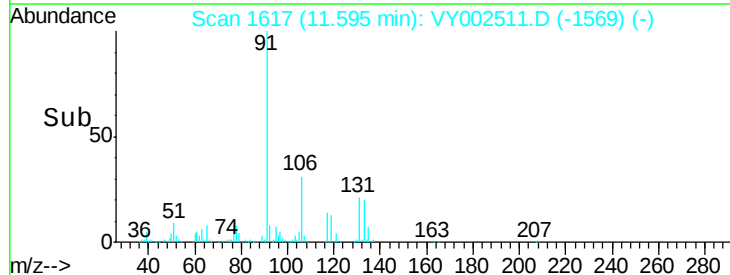
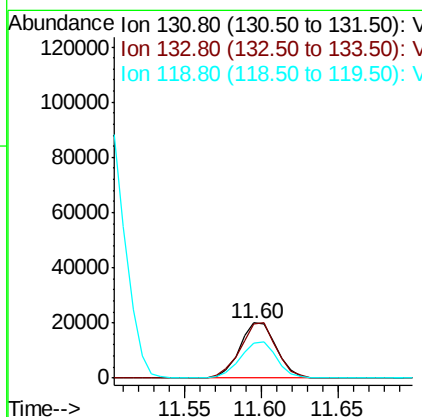
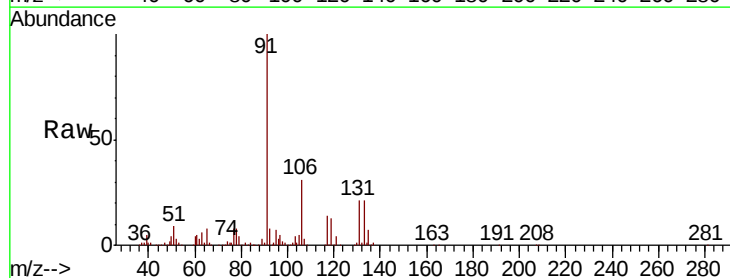
Manual Integrations
APPROVED

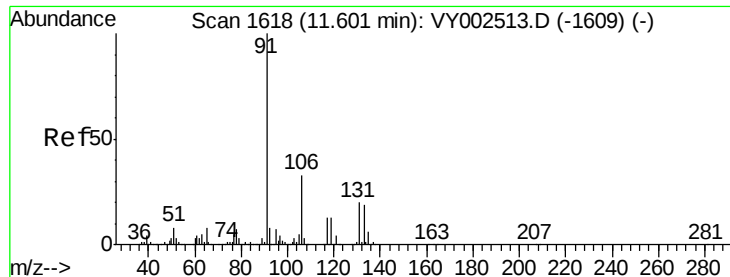
MMDadoda
5/5/2020 4:31:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.424 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	48.1	144.4
119	64.8	31.6	95.0





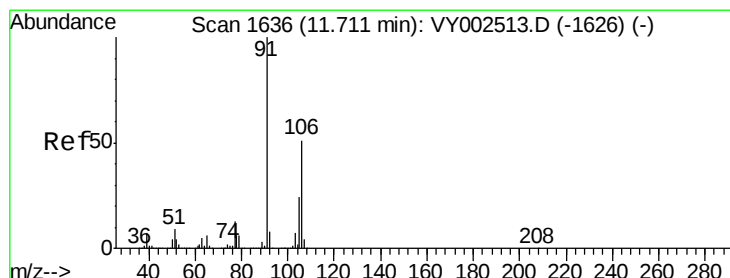
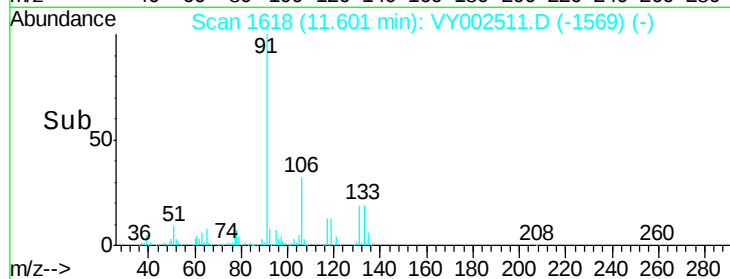
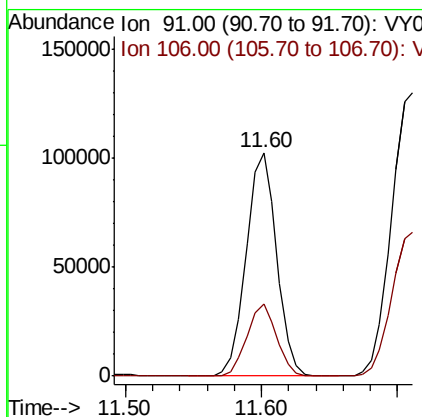
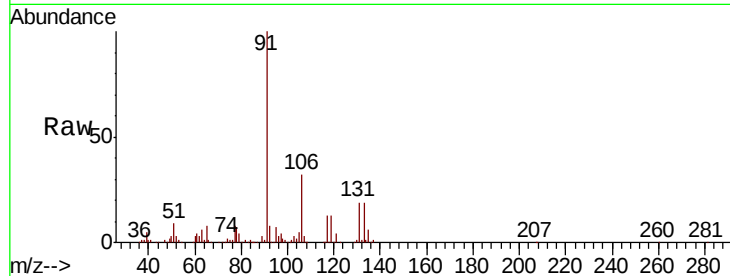
#67
Ethyl Benzene
Concen: 9.528 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.1	39.1

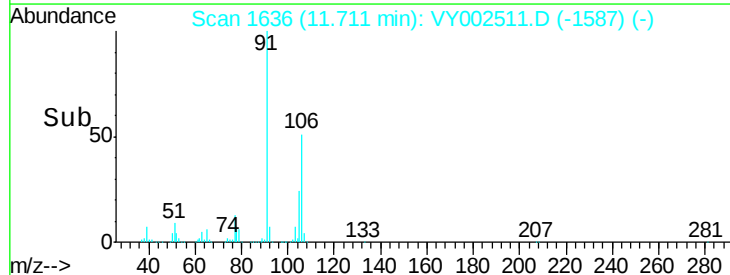
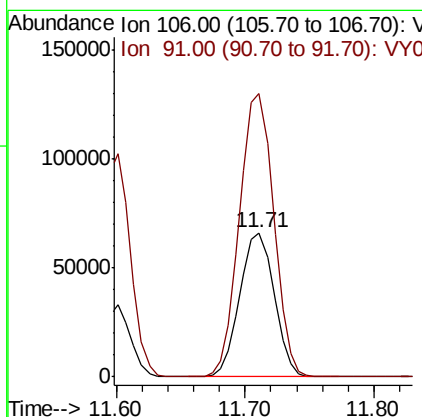
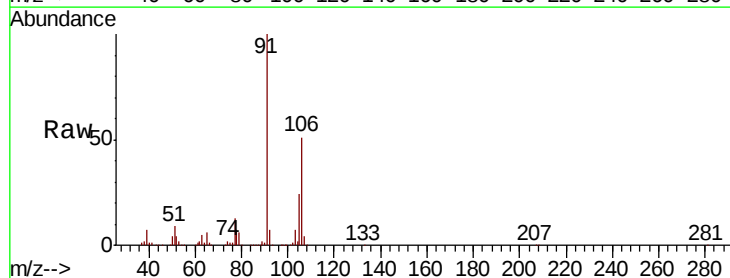
Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#68
m/p-Xylenes
Concen: 18.826 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.3	155.2	232.8





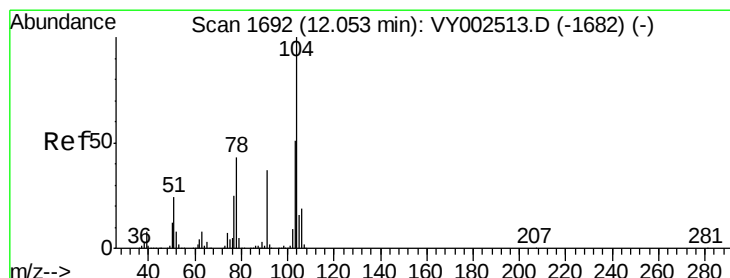
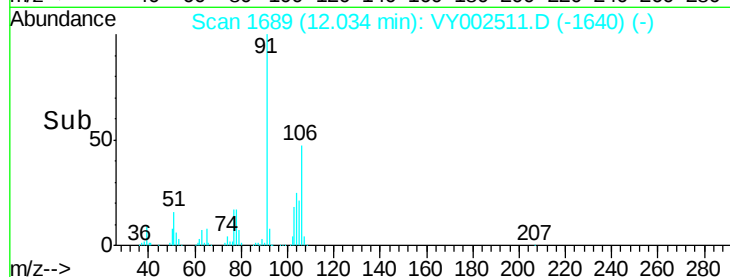
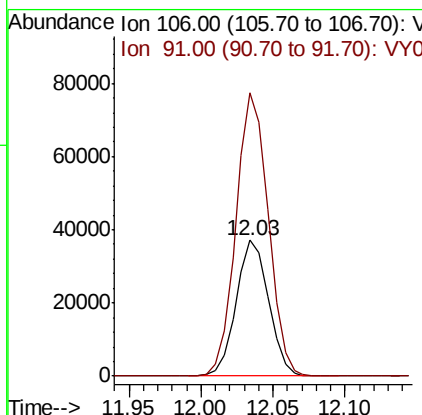
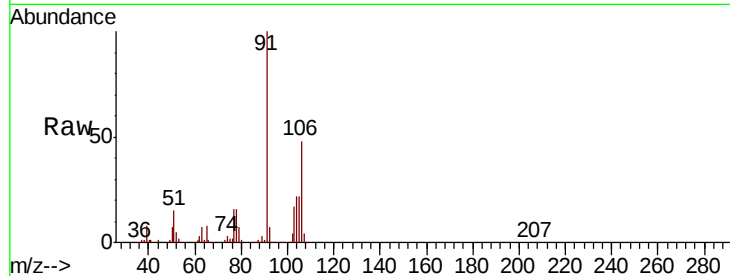
#69
o-Xylene
Concen: 9.551 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	206.8	103.8	311.3	

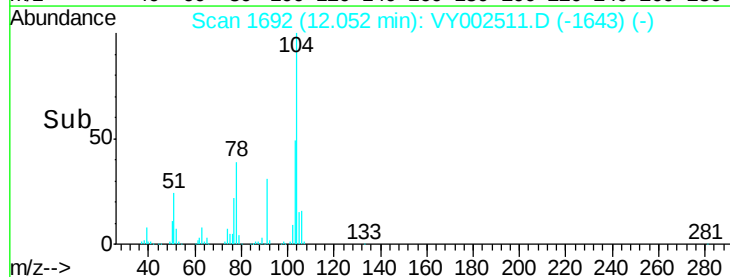
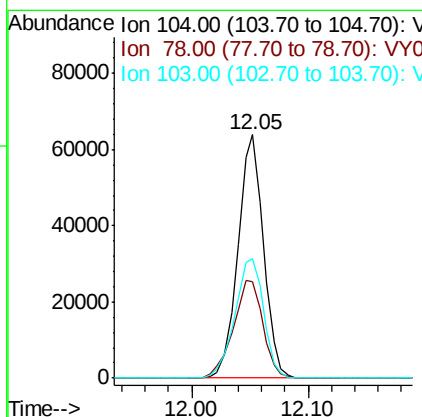
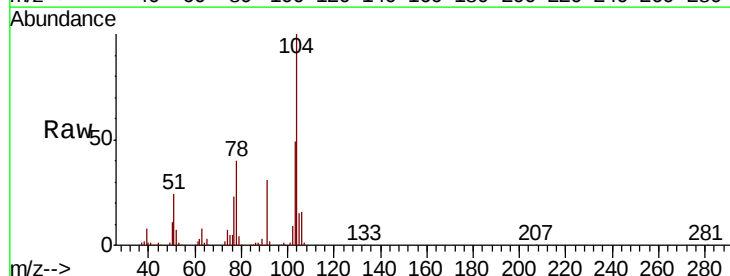
Manual Integrations
APPROVED

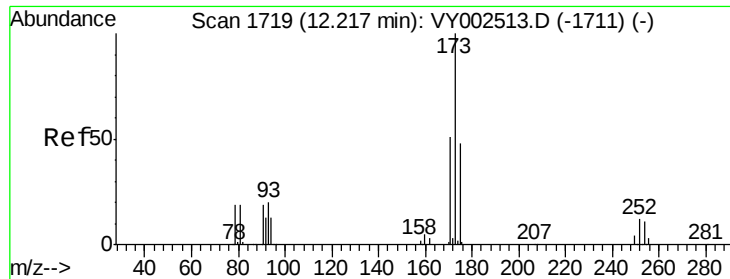
MMDadoda
5/5/2020 4:31:03 PM



#70
Styrene
Concen: 9.367 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.3	37.4	56.0	
103	55.1	43.9	65.9	





#71

Bromoform

Concen: 9.353 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 20650

Ion Ratio Lower Upper

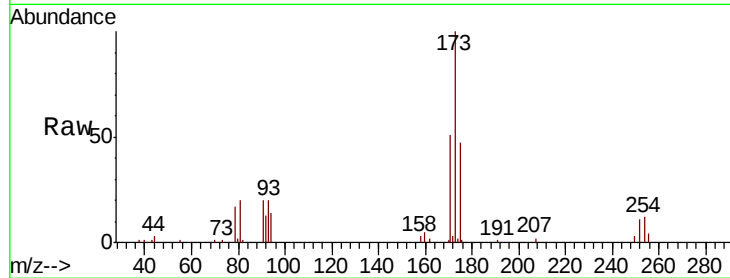
173 100

175 48.7 24.3 72.8

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

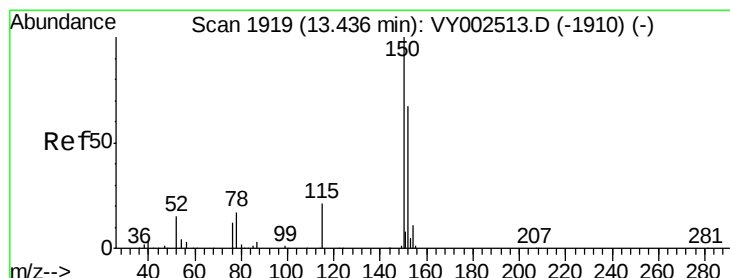
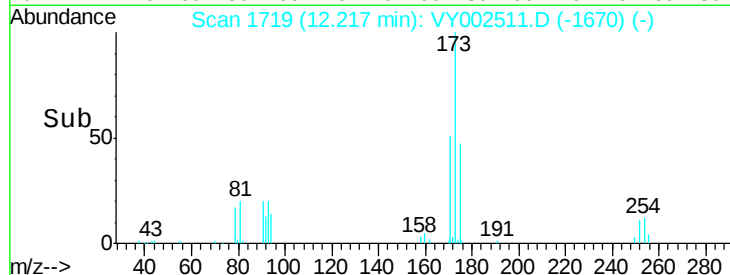
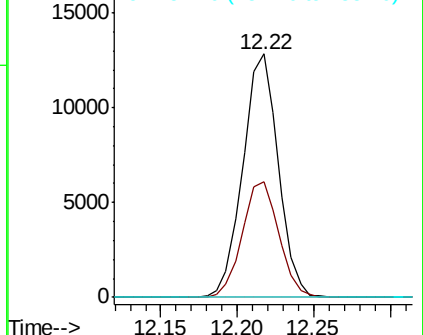
MMDadoda
5/5/2020 4:31:03 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

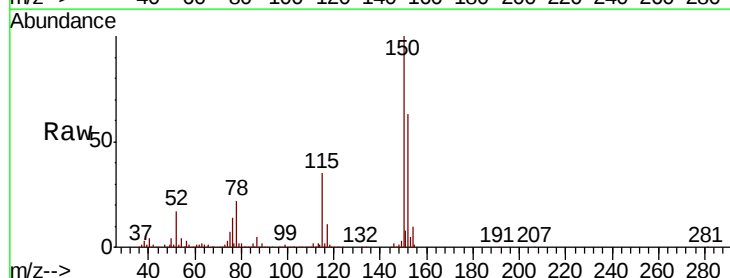
Tgt Ion:152 Resp: 261302

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

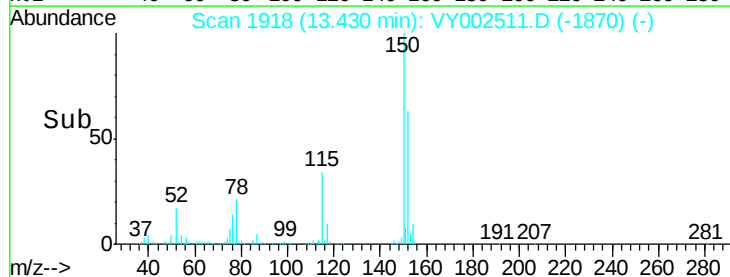
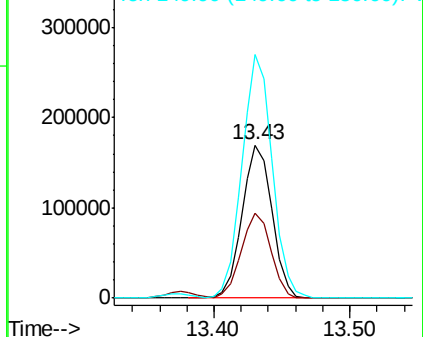
150 160.2 0.0 346.4

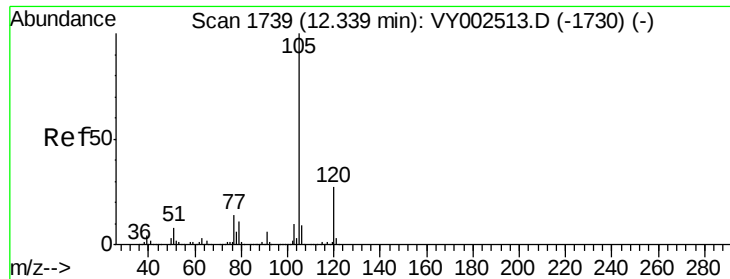


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





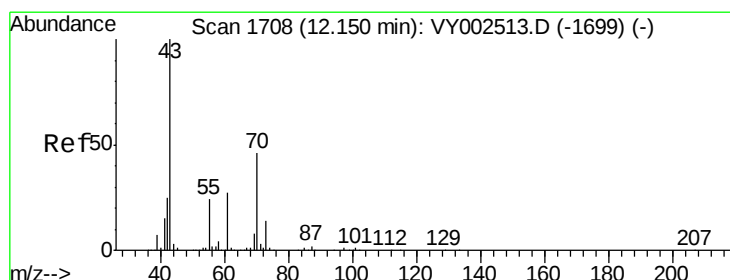
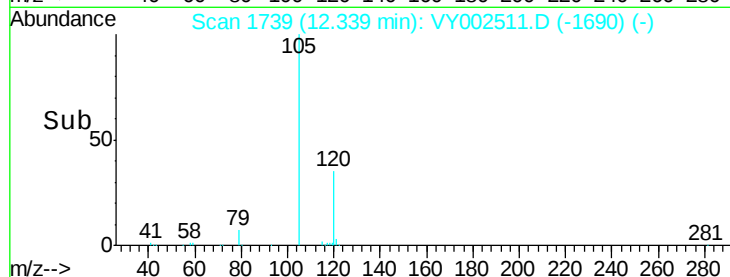
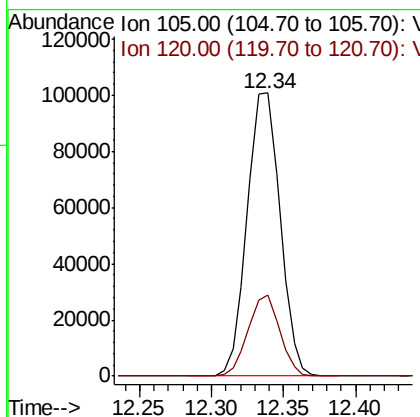
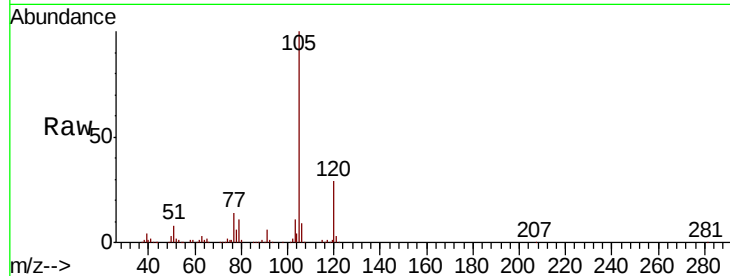
#73
Isopropylbenzene
Concen: 9.431 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.8	41.3

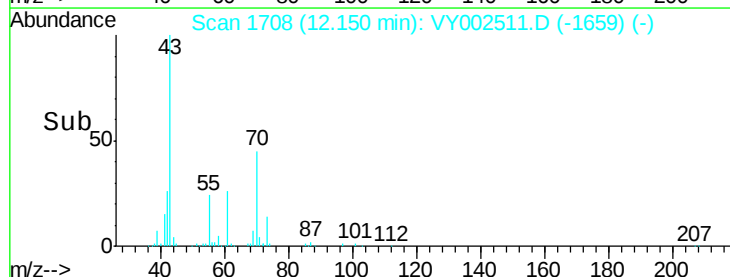
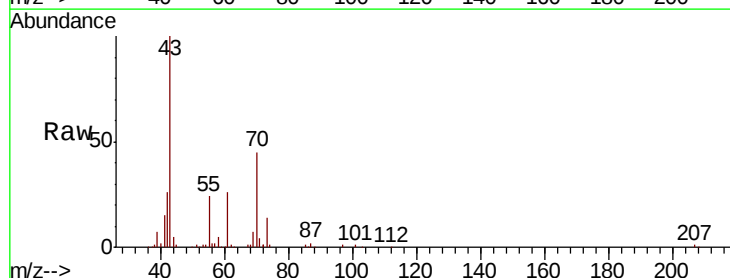
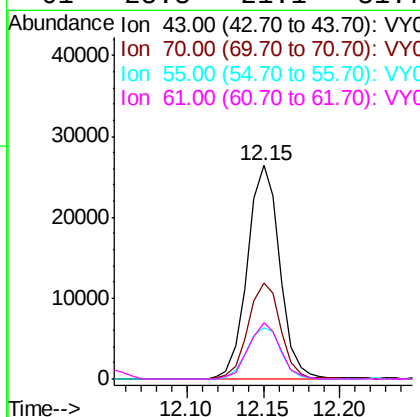
Manual Integrations
APPROVED

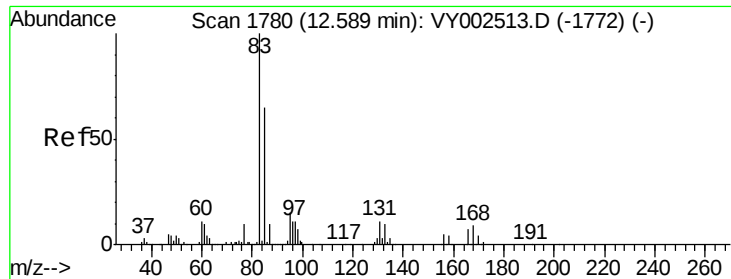
MMDadoda
5/5/2020 4:31:03 PM



#74
N-ethyl acetate
Concen: 9.553 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.7	55.1
55	25.4	19.2	28.8
61	25.3	21.1	31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 9.575 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

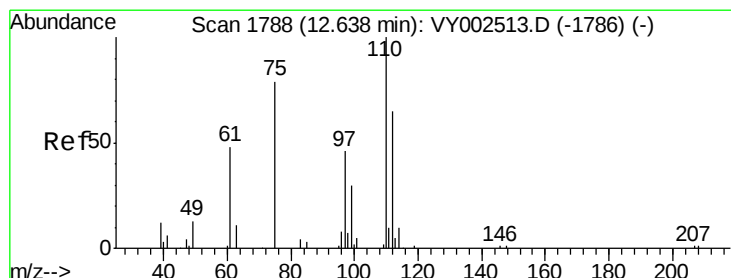
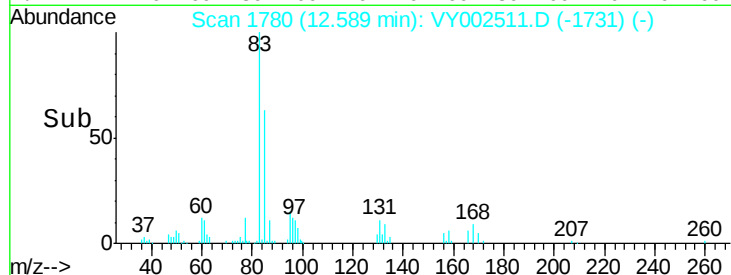
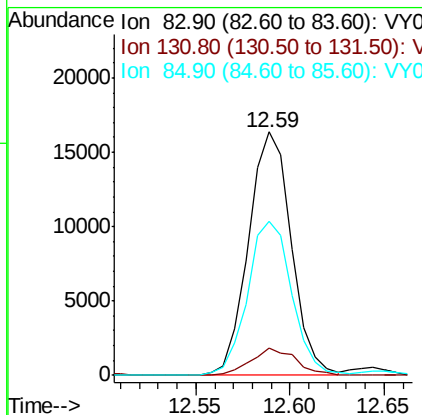
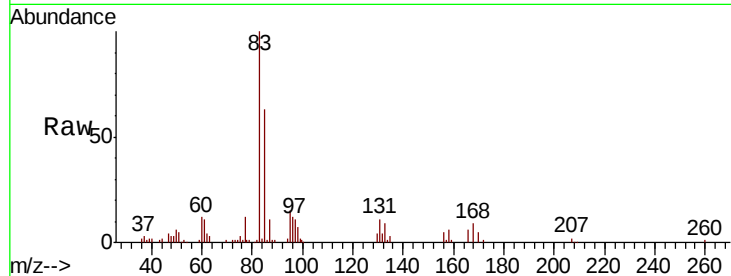
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	25787
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.8
85	65.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#76

1,2,3-Trichloropropane

Concen: 9.478 ug/l m

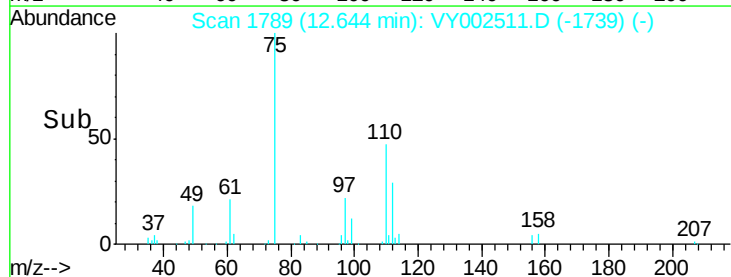
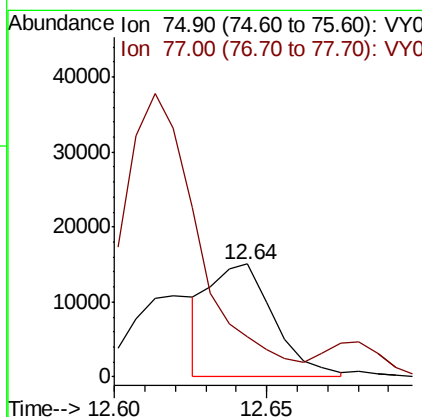
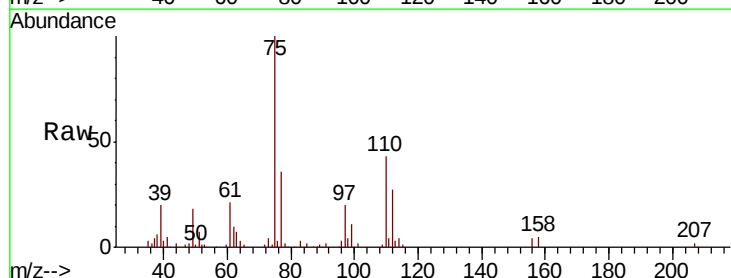
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Tgt Ion:	75	Resp:	22107
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.391 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 39732

Ion Ratio Lower Upper

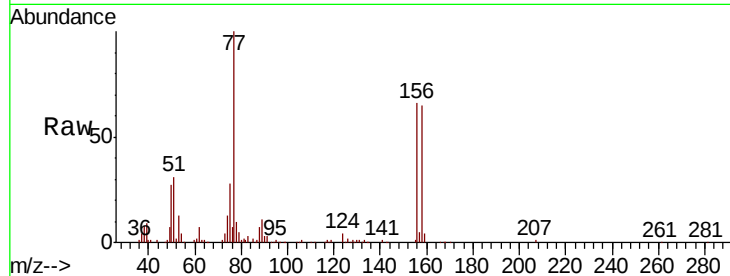
156 100

77 169.5 82.0 245.8

158 97.5 48.5 145.6

Manual Integrations
APPROVED

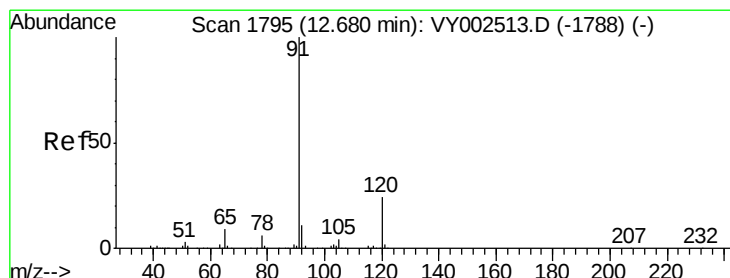
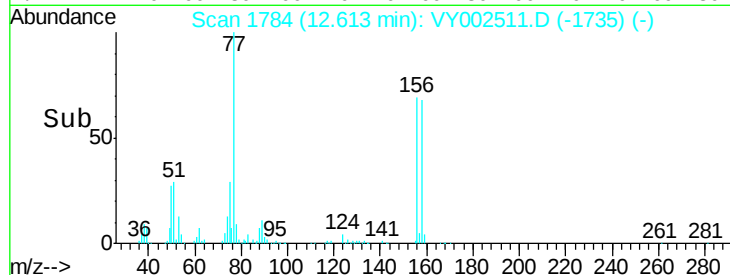
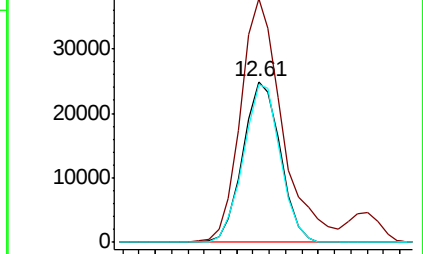
MMDadoda
5/5/2020 4:31:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.486 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002511.D

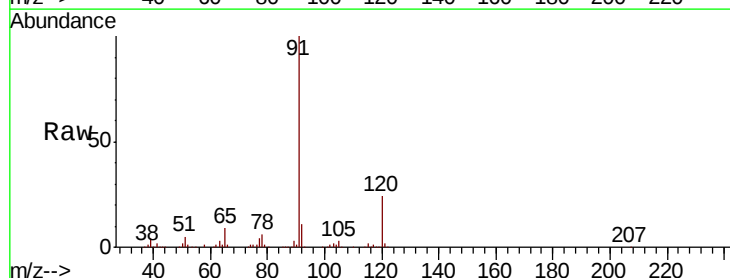
Acq: 30 Apr 2020 14:40

Tgt Ion: 91 Resp: 186421

Ion Ratio Lower Upper

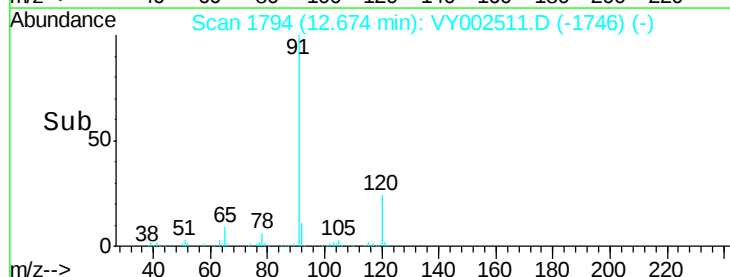
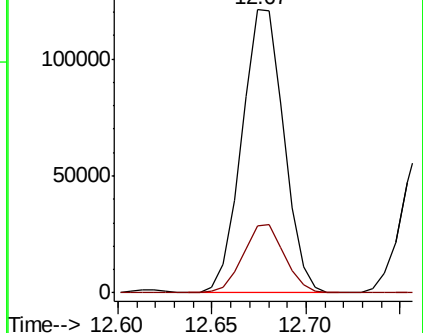
91 100

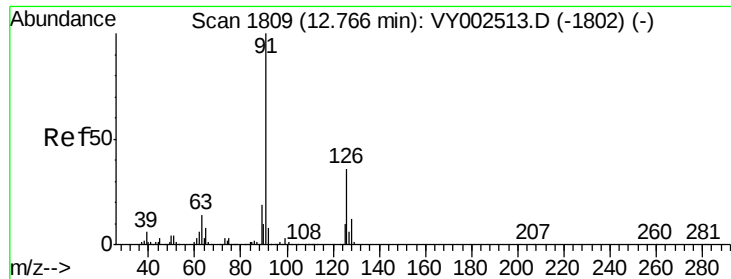
120 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





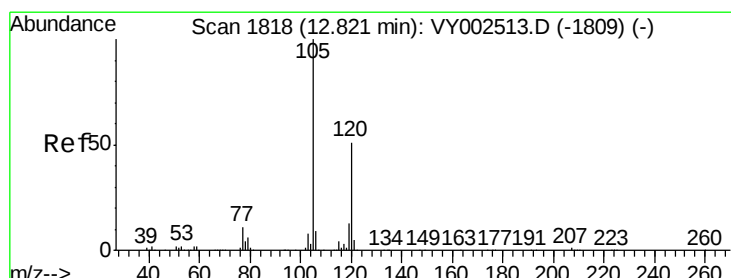
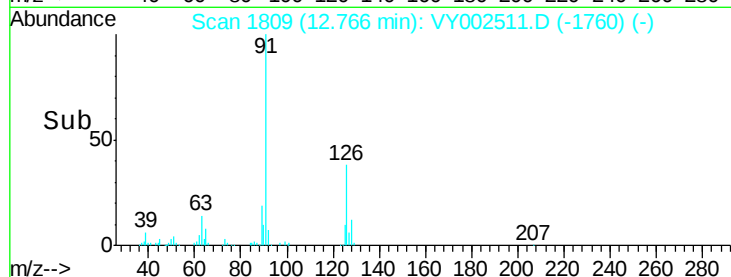
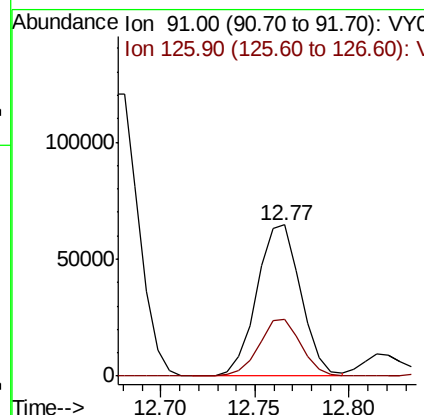
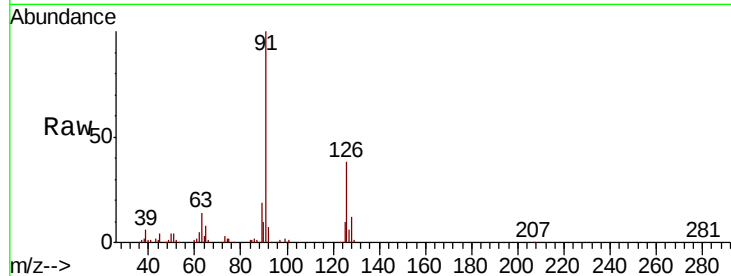
#79
 2-Chlorotoluene
 Concen: 9.553 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.4	55.2

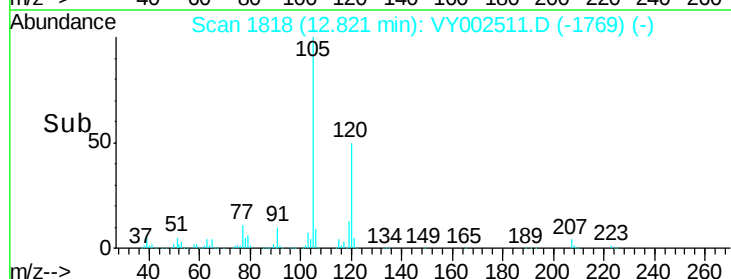
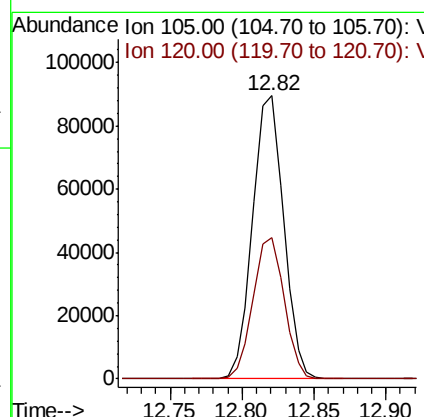
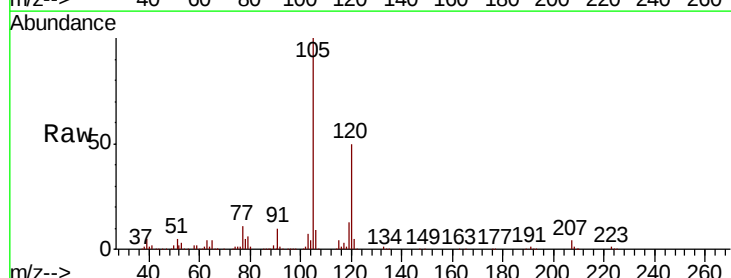
Manual Integrations
 APPROVED

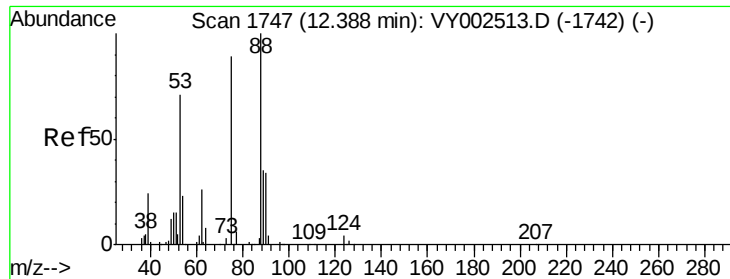
MMDadoda
 5/5/2020 4:31:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 9.478 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.3	75.9





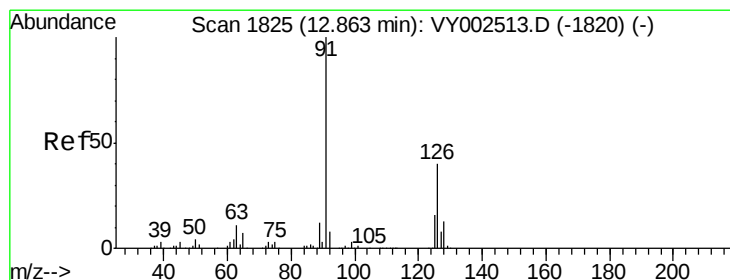
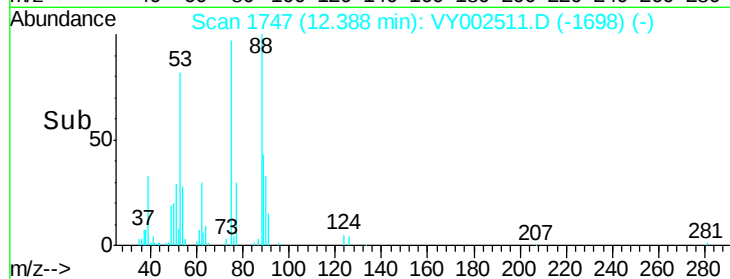
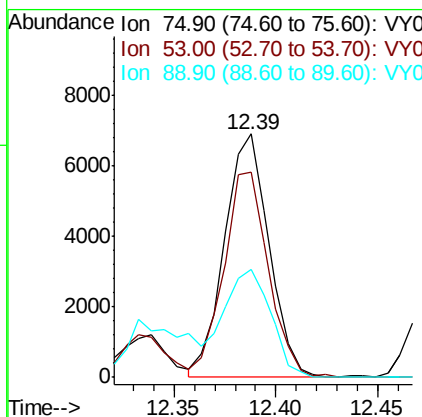
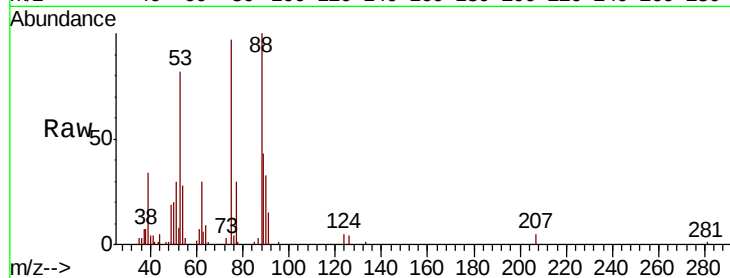
#81
trans-1,4-Dichloro-2-butene
Concen: 9.014 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.0	67.4	101.0
89	47.3	37.4	56.0

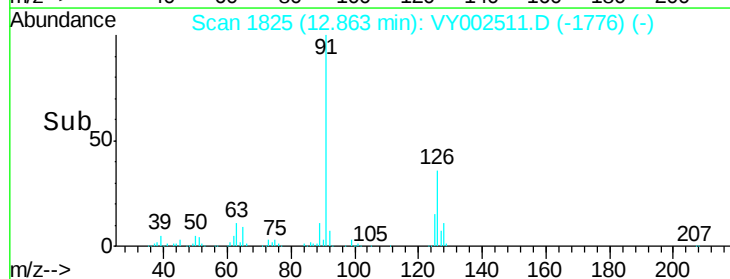
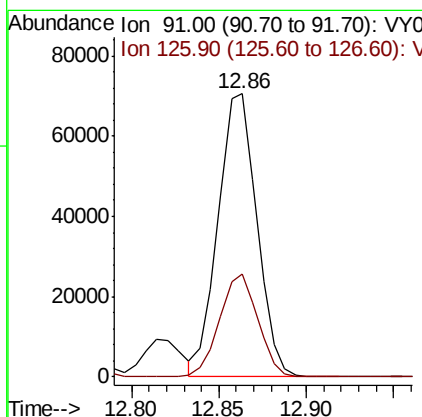
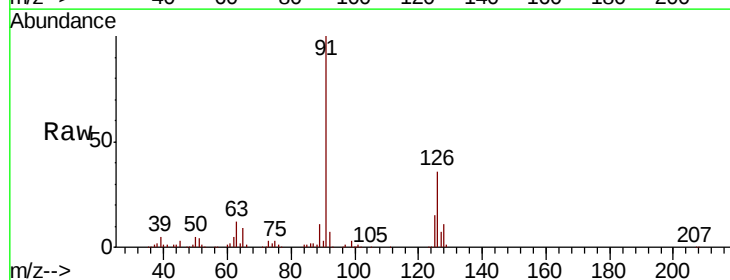
Manual Integrations
APPROVED

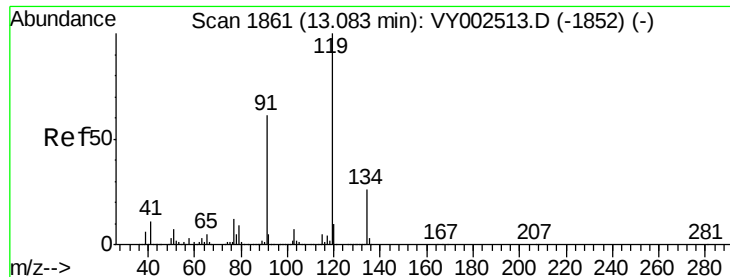
MMDadoda
5/5/2020 4:31:03 PM



#82
4-Chlorotoluene
Concen: 9.522 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.5	55.5





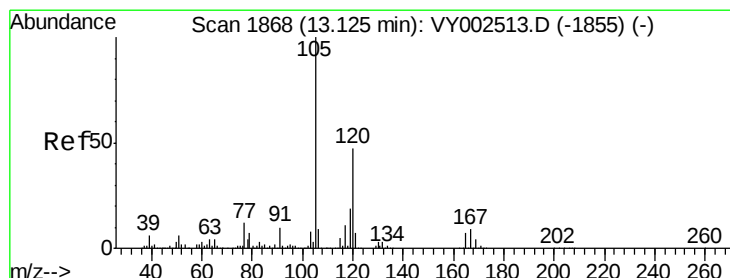
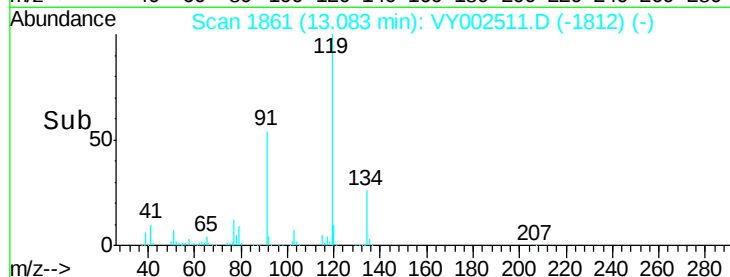
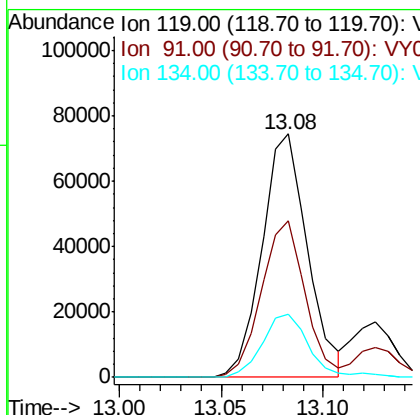
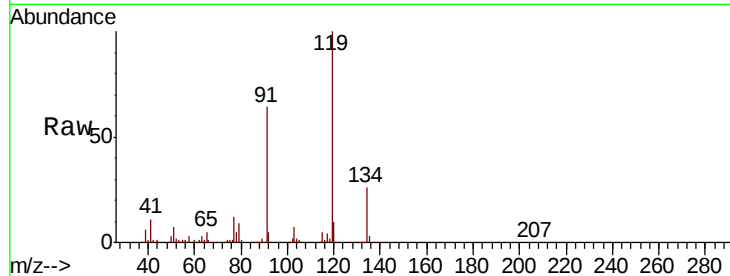
#83
tert-Butylbenzene
Concen: 9.367 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.6	91.6
134	27.1	13.5	40.4

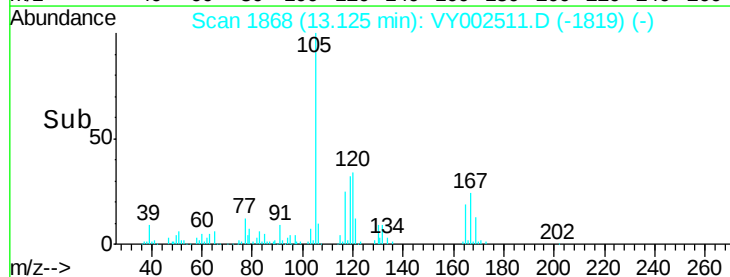
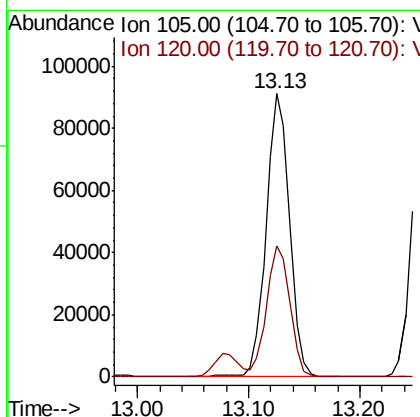
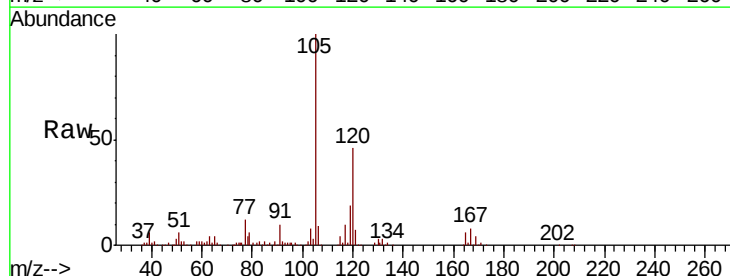
Manual Integrations
APPROVED

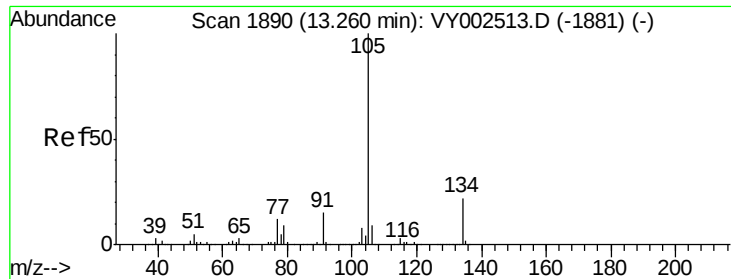
MMDadoda
5/5/2020 4:31:03 PM



#84
1,2,4-Trimethylbenzene
Concen: 9.562 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 9.598 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 163934

Ion Ratio Lower Upper

105 100

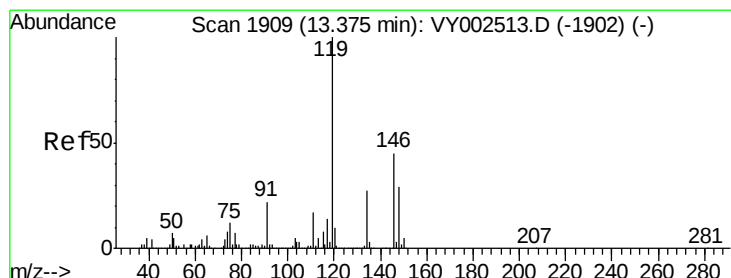
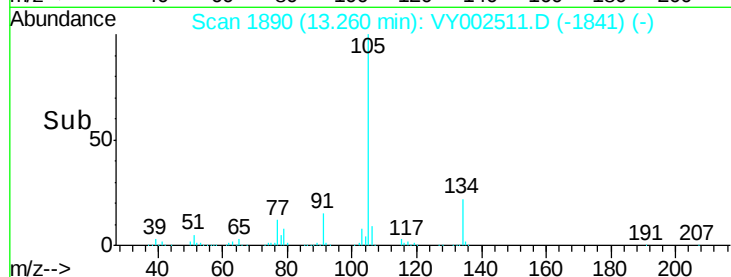
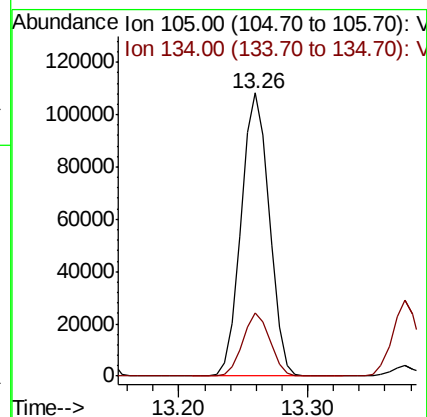
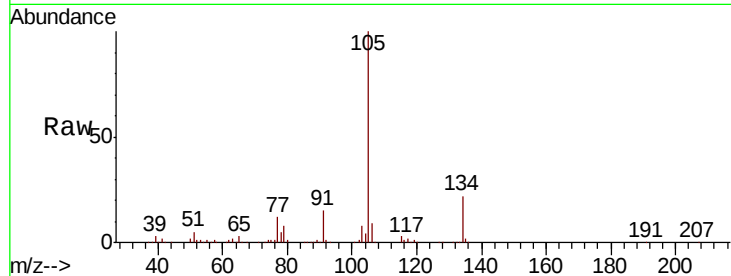
134 21.4 10.8 32.3

Manual Integrations

APPROVED

MMDadoda

5/5/2020 4:31:03 PM



#86

p-Isopropyltoluene

Concen: 9.522 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002511.D

Acq: 30 Apr 2020 14:40

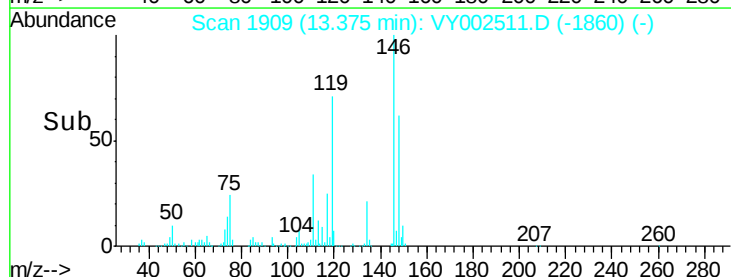
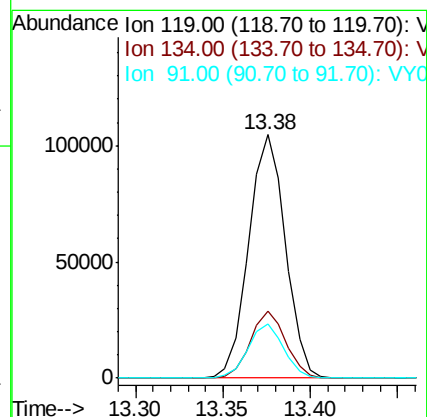
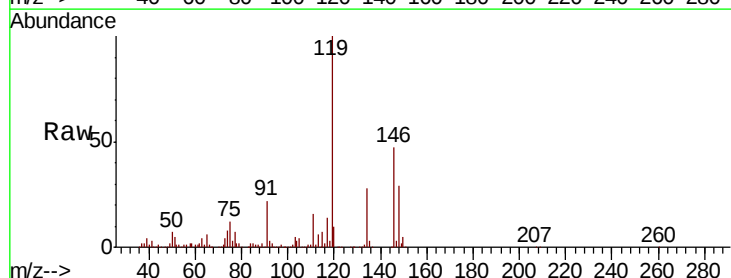
Tgt Ion:119 Resp: 152392

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 21.7 10.9 32.9





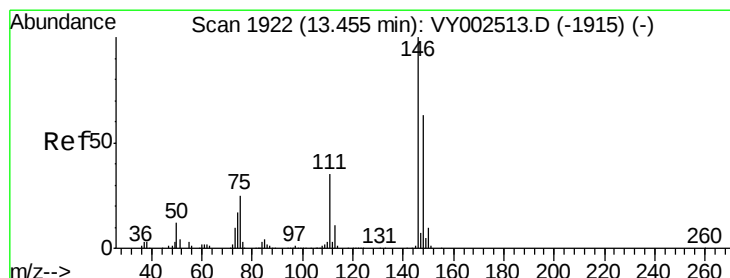
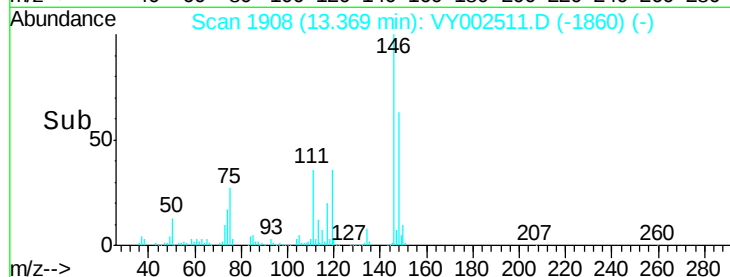
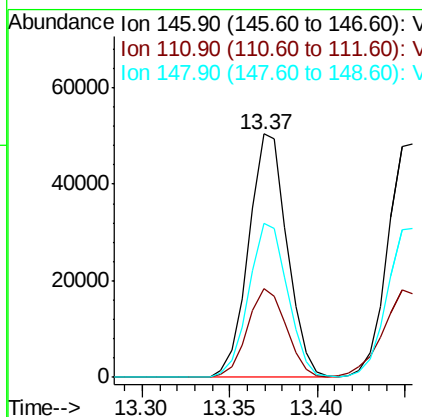
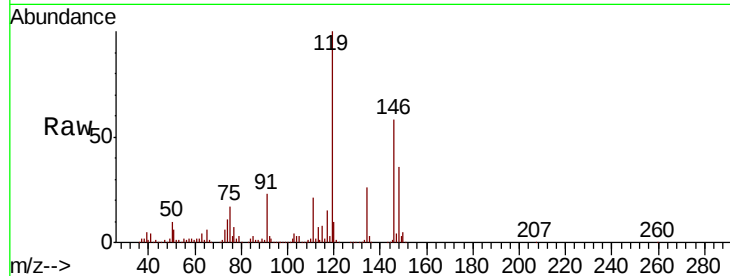
#87
 1,3-Dichlorobenzene
 Concen: 9.638 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	63.8	32.1	96.3

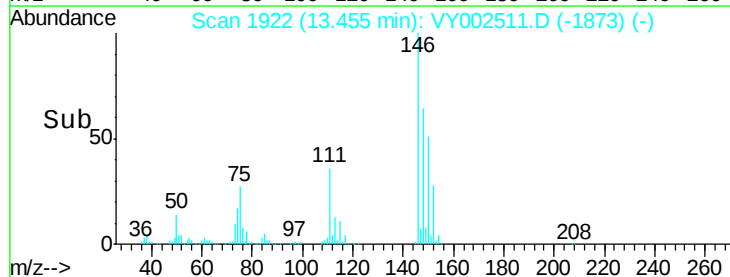
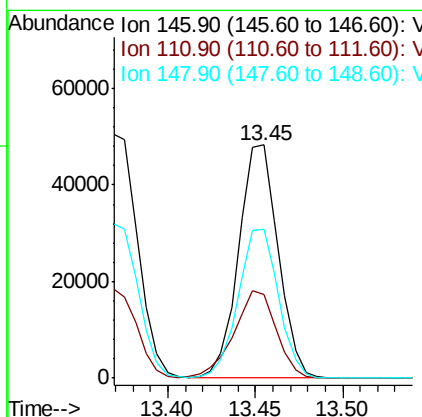
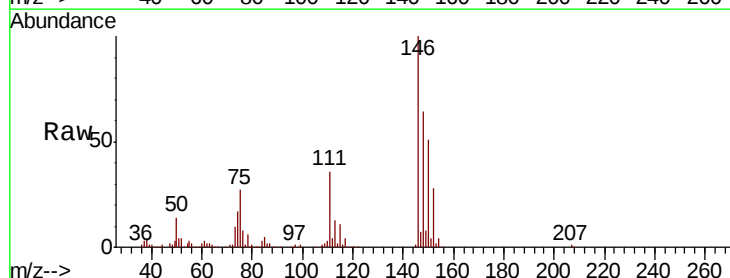
Manual Integrations
 APPROVED

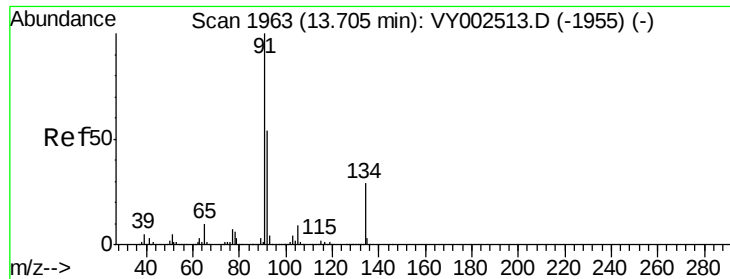
MMDadoda
 5/5/2020 4:31:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 9.590 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.1	54.1
148	65.2	31.9	95.5





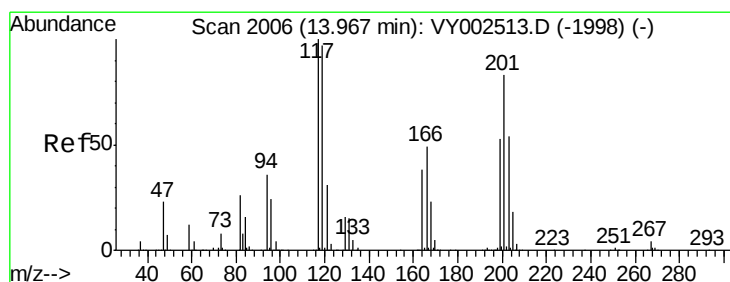
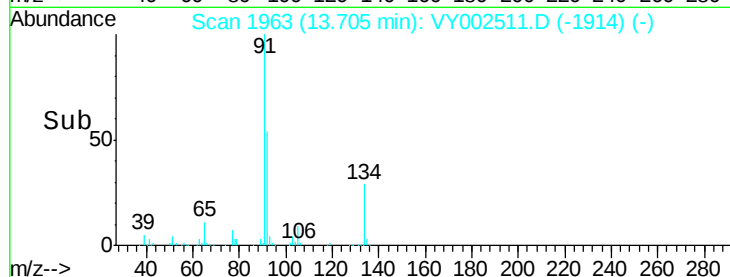
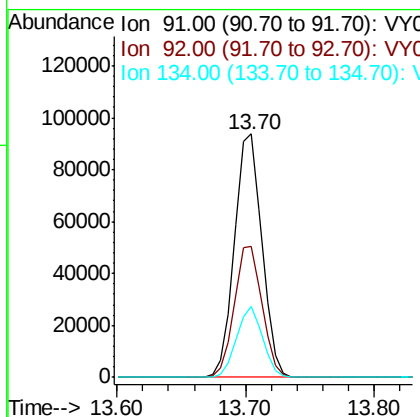
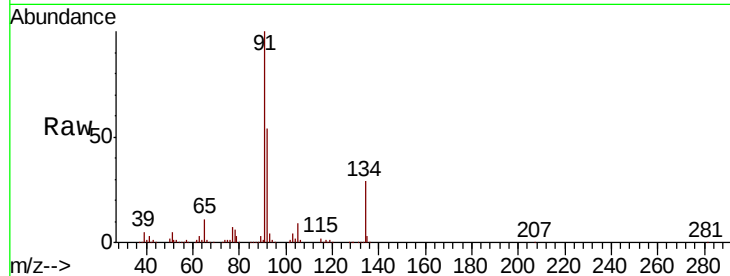
#89
n-Butylbenzene
Concen: 9.579 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	27.5	14.4	43.0

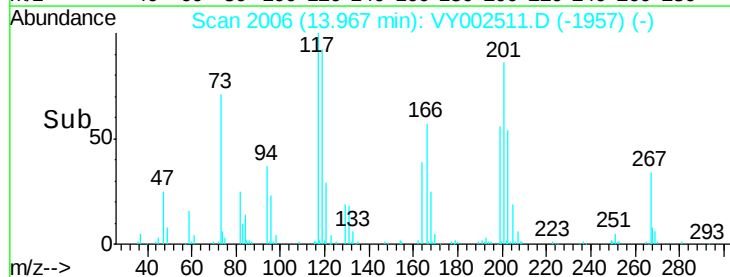
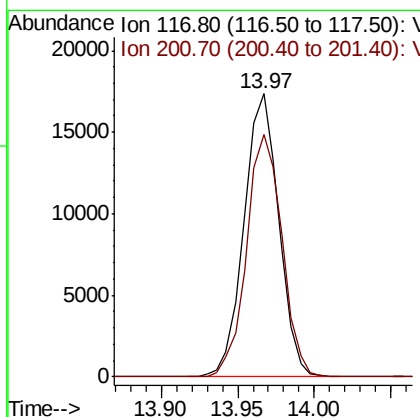
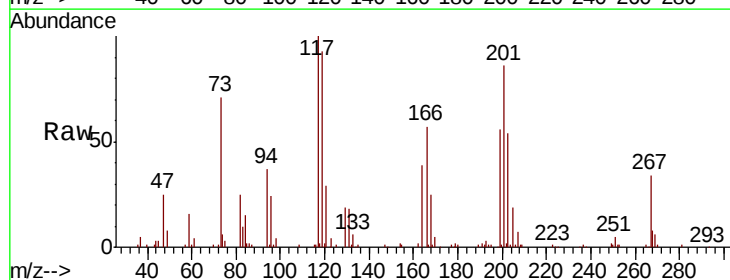
Manual Integrations
APPROVED

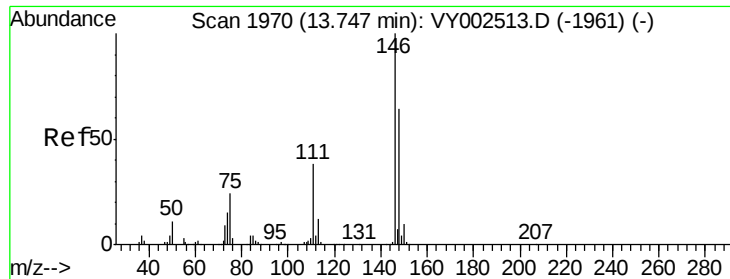
MMDadoda
5/5/2020 4:31:03 PM



#90
Hexachloroethane
Concen: 9.412 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.4	133.2





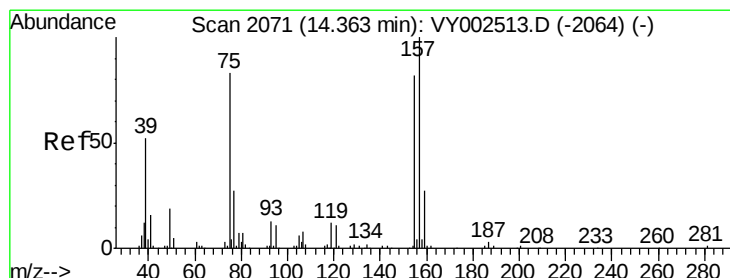
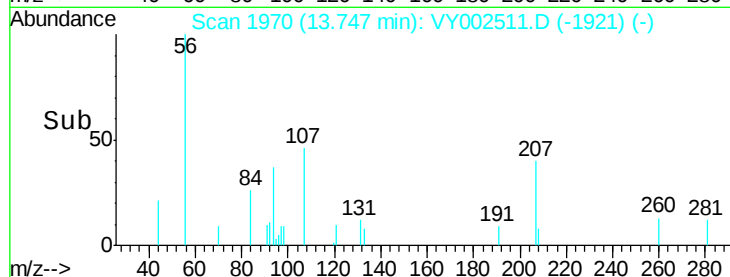
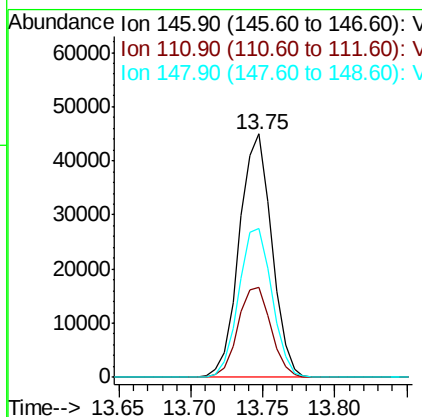
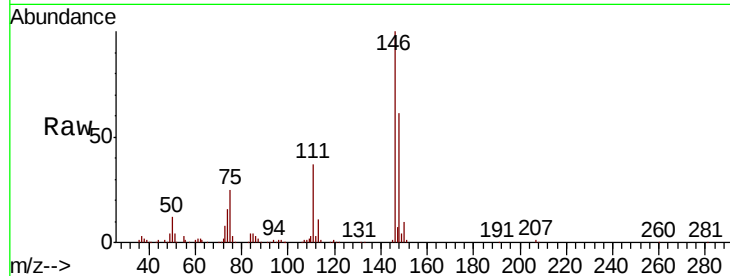
#91
 1,2-Dichlorobenzene
 Concen: 9.823 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	62.7	31.9	95.7

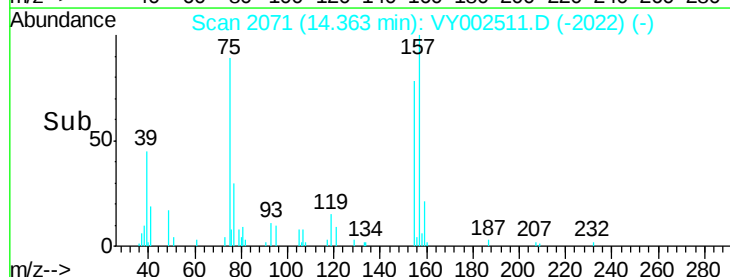
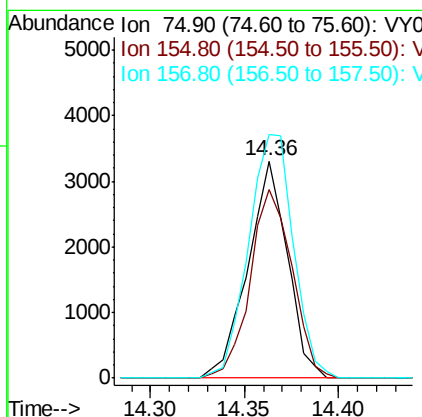
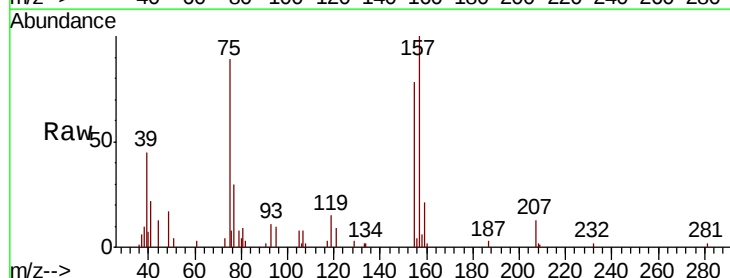
Manual Integrations
 APPROVED

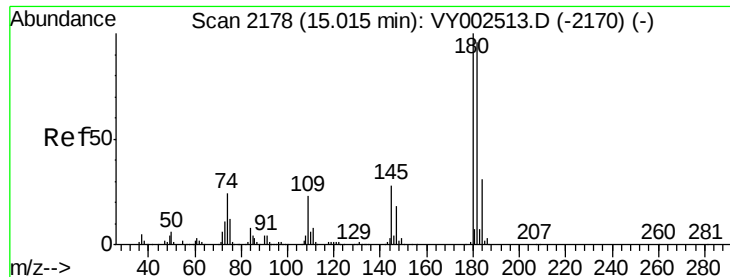
MMDadoda
 5/5/2020 4:31:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.623 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	51.3	153.9
157	127.3	65.0	195.0





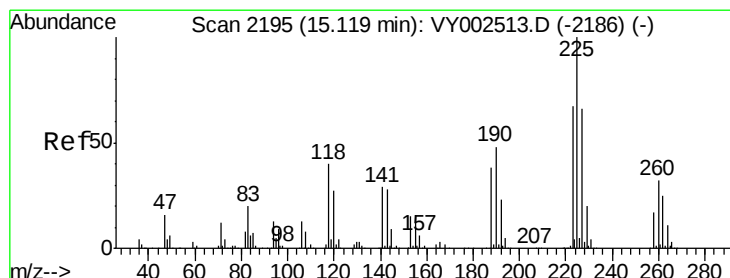
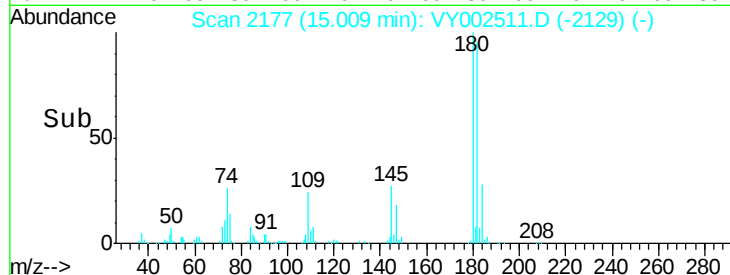
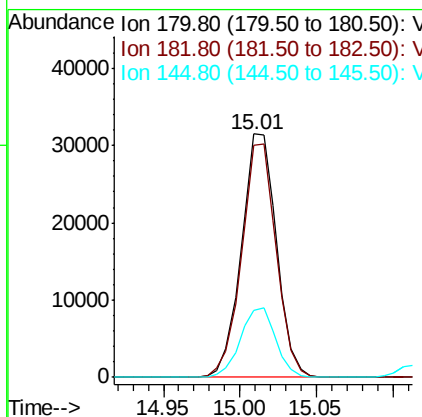
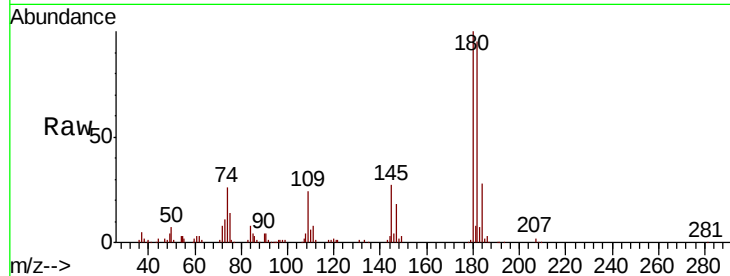
#93
 1,2,4-Trichlorobenzene
 Concen: 9.644 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50029		
182	94.4		47.9	143.6
145	28.7		14.4	43.0

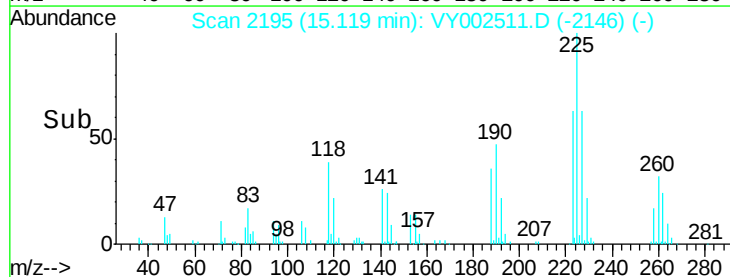
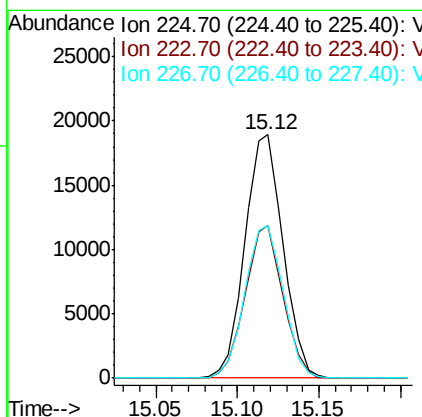
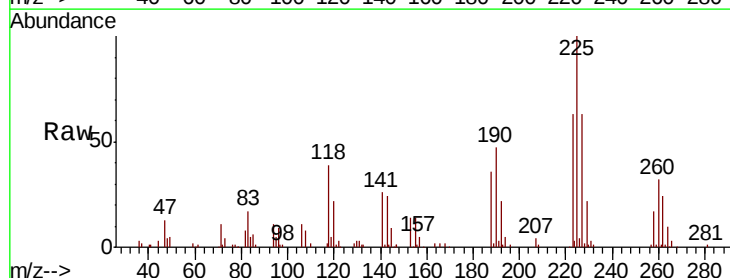
Manual Integrations
 APPROVED

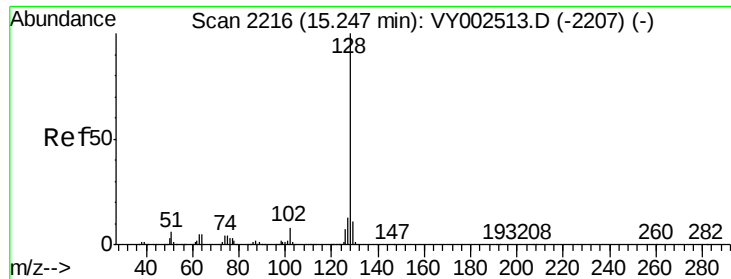
MMDadoda
 5/5/2020 4:31:03 PM



#94
 Hexachlorobutadiene
 Concen: 9.872 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002511.D
 Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30740		
223	61.8		32.1	96.5
227	63.0		32.0	96.2





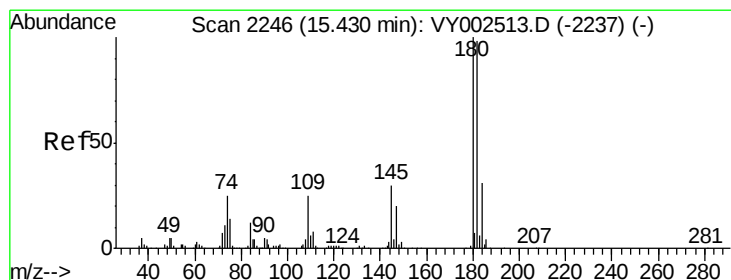
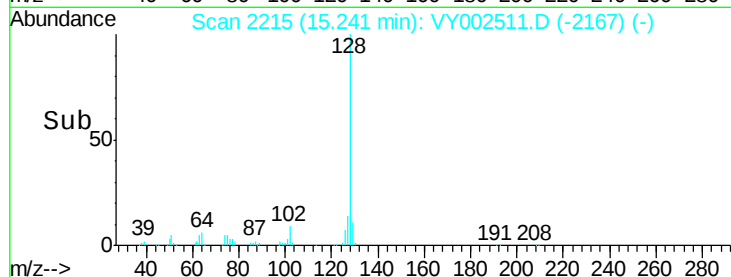
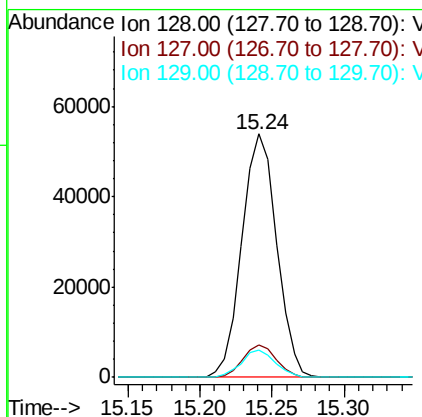
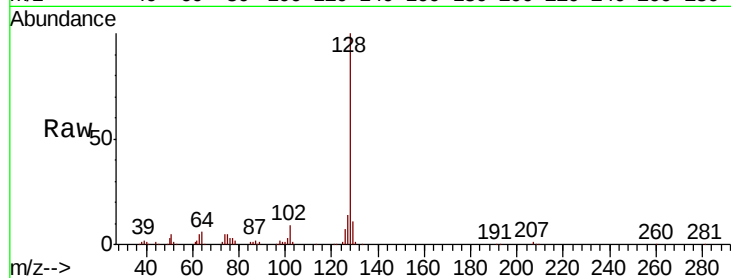
#95
Naphthalene
Concen: 9.532 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 4:31:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.658 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002511.D
Acq: 30 Apr 2020 14:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	30.0	15.0	45.1

