

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002228.D
 Acq On : 06 Apr 2020 11:56
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:19 PM

Quant Time: Apr 07 04:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	157793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	284127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	115247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	84362	48.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.73	113	82532	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.19	98	335620	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.49	95	115530	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31556	27.698	ug/l	99
3) Chloromethane	2.12	50	39749	21.556	ug/l	98
4) Vinyl Chloride	2.26	62	40905	21.811	ug/l	96
5) Bromomethane	2.65	94	26722	21.833	ug/l	100
6) Chloroethane	2.80	64	25593	21.253	ug/l	99
7) Trichlorofluoromethane	3.13	101	56474	21.974	ug/l	98
8) Diethyl Ether	3.54	74	23314	21.418	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37486	22.231	ug/l	99
10) Methyl Iodide	4.10	142	39588	19.745	ug/l	98
11) Tert butyl alcohol	4.96	59	27868	135.570	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	37490	21.896	ug/l	98
13) Acrolein	3.74	56	20961	81.585	ug/l	98
14) Allyl chloride	4.49	41	63465	20.248	ug/l	98
15) Acrylonitrile	5.18	53	60179	105.477	ug/l	100
16) Acetone	3.96	43	46621	95.130	ug/l	96
17) Carbon Disulfide	4.21	76	121364	21.359	ug/l	99
18) Methyl Acetate	4.49	43	25934	20.379	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	100742	21.091	ug/l	99
20) Methylene Chloride	4.73	84	44698	18.837	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	41346	21.209	ug/l	99
22) Diisopropyl ether	6.13	45	132294	20.624	ug/l	97
23) Vinyl Acetate	6.08	43	425052	101.052	ug/l	99
24) 1,1-Dichloroethane	6.04	63	71497	20.963	ug/l	97
25) 2-Butanone	7.00	43	76501	101.661	ug/l	94
26) 2,2-Dichloropropane	6.99	77	59408	21.150	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	46636	21.745	ug/l	98
28) Bromochloromethane	7.35	49	30347	19.490	ug/l	95
29) Tetrahydrofuran	7.36	42	49820	100.978	ug/l	97
30) Chloroform	7.52	83	67892	21.001	ug/l	96
31) Cyclohexane	7.79	56	74724	20.561	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	56037	20.761	ug/l	99
36) 1,1-Dichloropropene	7.93	75	57842	21.523	ug/l	99
37) Ethyl Acetate	7.09	43	32704	20.137	ug/l	97
38) Carbon Tetrachloride	7.91	117	49191	21.574	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002228.D
 Acq On : 06 Apr 2020 11:56
 Operator : SY/MD
 Sample : VY0406SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 7:06:19 PM

Quant Time: Apr 07 04:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	74085	21.016	ug/l	98
40) Benzene	8.17	78	169329	21.271	ug/l	99
41) Methacrylonitrile	7.33	41	19955m	24.292	ug/l	
42) 1,2-Dichloroethane	8.25	62	43633	20.645	ug/l	100
43) Isopropyl Acetate	8.28	43	59670	19.796	ug/l	97
44) Trichloroethene	8.95	130	41288	21.516	ug/l	94
45) 1,2-Dichloropropane	9.22	63	42840	21.135	ug/l	98
46) Dibromomethane	9.32	93	22052	21.184	ug/l	98
47) Bromodichloromethane	9.50	83	51979	21.450	ug/l	96
48) Methyl methacrylate	9.30	41	28017	20.741	ug/l	99
49) 1,4-Dioxane	9.31	88	5624	393.718	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	160700	103.537	ug/l	97
52) Toluene	10.25	92	103857	21.570	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	56805	21.120	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	67041	21.170	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	32844	21.318	ug/l	99
56) Ethyl methacrylate	10.52	69	46217	20.539	ug/l	98
57) 1,3-Dichloropropane	10.80	76	58312	21.422	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	121431	105.020	ug/l	99
59) 2-Hexanone	10.84	43	108995	99.691	ug/l	98
60) Dibromochloromethane	10.99	129	34464	21.378	ug/l	98
61) 1,2-Dibromoethane	11.10	107	30946	21.460	ug/l	98
64) Tetrachloroethene	10.72	164	35455	22.811	ug/l	97
65) Chlorobenzene	11.52	112	106076	21.631	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36169	22.046	ug/l	98
67) Ethyl Benzene	11.60	91	195995	21.519	ug/l	98
68) m/p-Xylenes	11.70	106	144853	43.015	ug/l	99
69) o-Xylene	12.03	106	68396	21.411	ug/l	99
70) Styrene	12.05	104	116985	21.134	ug/l	99
71) Bromoform	12.22	173	19270	21.445	ug/l #	98
73) Isopropylbenzene	12.33	105	184093	21.534	ug/l	100
74) N-amyl acetate	12.15	43	53271	19.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	39796	21.632	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28367m	22.005	ug/l	
77) Bromobenzene	12.61	156	39329	21.550	ug/l	97
78) n-propylbenzene	12.67	91	226717	21.370	ug/l	100
79) 2-Chlorotoluene	12.76	91	124805	21.426	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	152433	21.612	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	13754	20.670	ug/l	96
82) 4-Chlorotoluene	12.86	91	131183	21.371	ug/l	99
83) tert-Butylbenzene	13.08	119	128360	21.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	151901	21.585	ug/l	100
85) sec-Butylbenzene	13.26	105	189997	21.788	ug/l	99
86) p-Isopropyltoluene	13.38	119	163538	21.838	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	78227	21.911	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	78121	21.745	ug/l	100
89) n-Butylbenzene	13.70	91	165816	21.252	ug/l	100
90) Hexachloroethane	13.97	117	30408	21.549	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	70610	21.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5903	20.032	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002228.D
Acq On : 06 Apr 2020 11:56
Operator : SY/MD
Sample : VY0406SBS01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

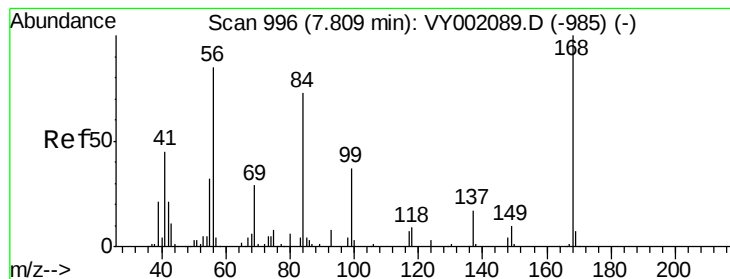
Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM

Quant Time: Apr 07 04:52:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	44652	21.012	ug/l	99
94) Hexachlorobutadiene	15.12	225	22048	21.019	ug/l	96
95) Naphthalene	15.25	128	104906	20.784	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40156	20.838	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion:168 Resp: 157793

Ion Ratio Lower Upper

168 100

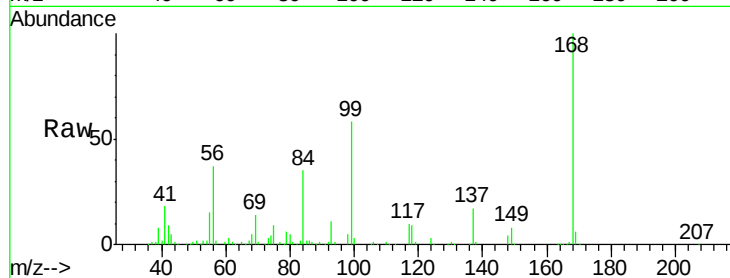
99 57.8 47.6 71.4

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:19 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002228.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002228.D (-947) (-)

7.80

60000

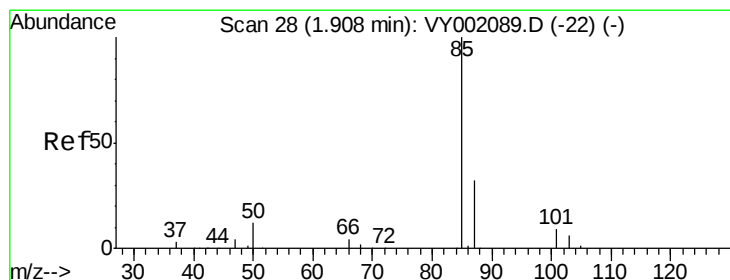
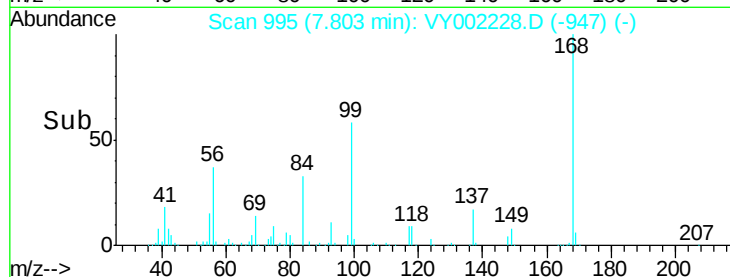
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 27.698 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002228.D

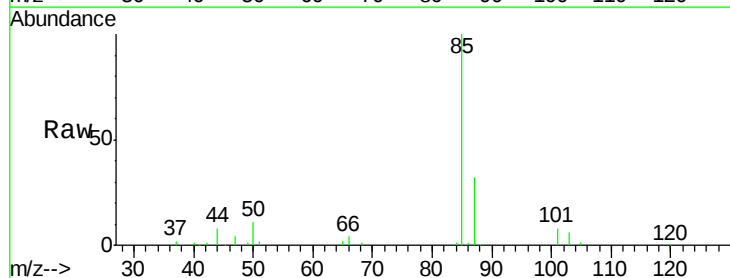
Acq: 06 Apr 2020 11:56

Tgt Ion: 85 Resp: 31556

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002228.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002228.D (-1) (-)

1.91

25000

20000

15000

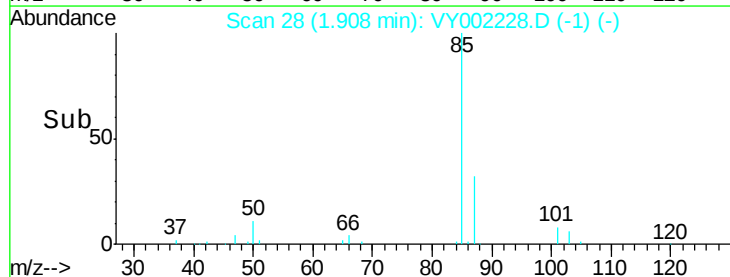
10000

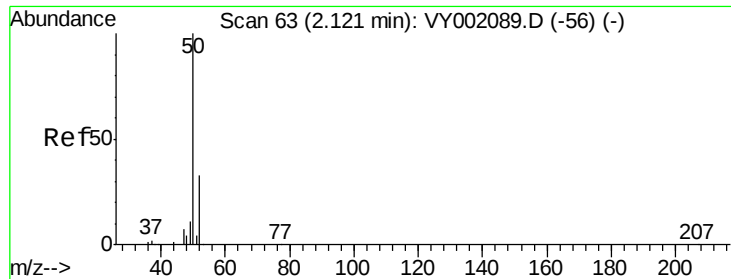
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 21.556 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 50 Resp: 39749

Ion Ratio Lower Upper

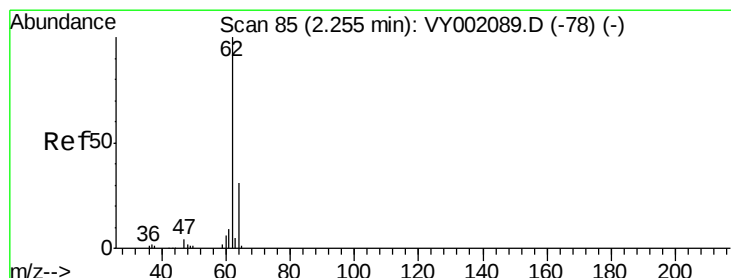
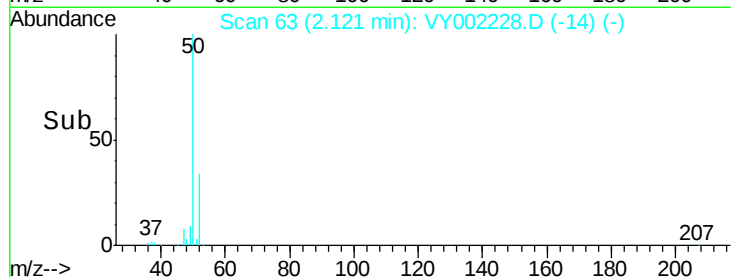
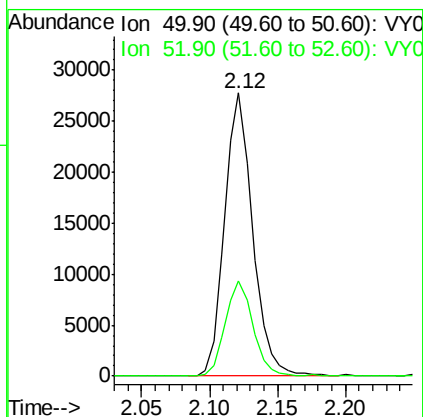
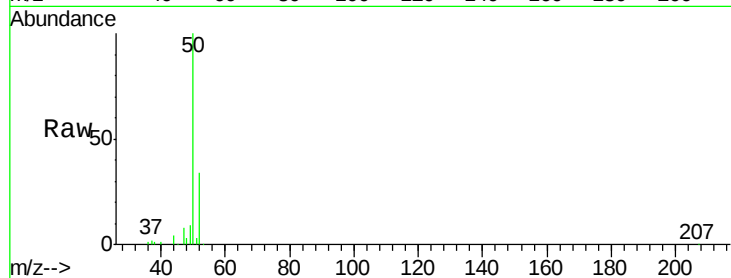
50 100

52 33.7 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/7/2020 7:06:19 PM



#4

Vinyl Chloride

Concen: 21.811 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002228.D

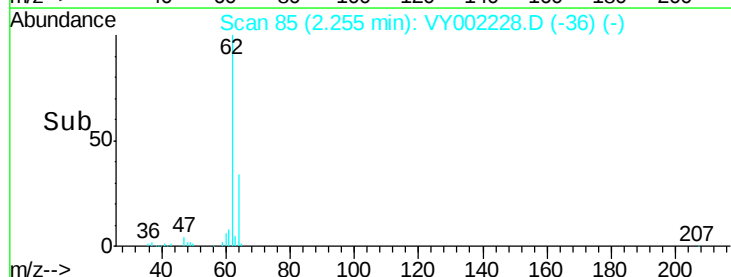
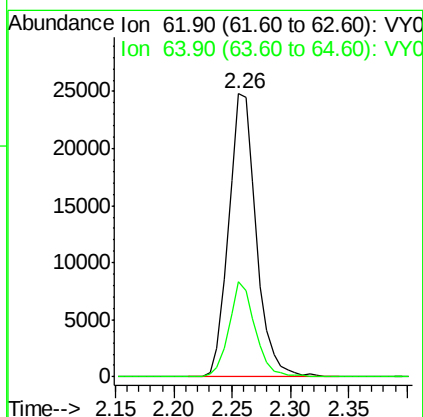
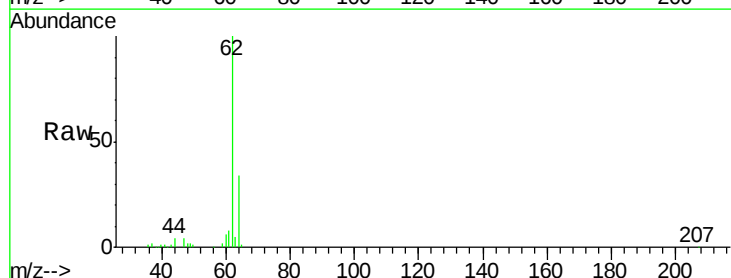
Acq: 06 Apr 2020 11:56

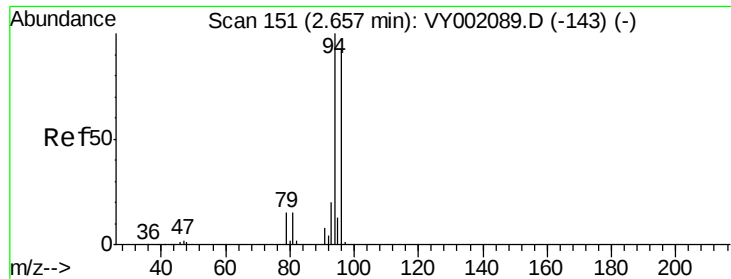
Tgt Ion: 62 Resp: 40905

Ion Ratio Lower Upper

62 100

64 33.8 25.2 37.8





#5

Bromomethane

Concen: 21.833 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 94 Resp: 26722

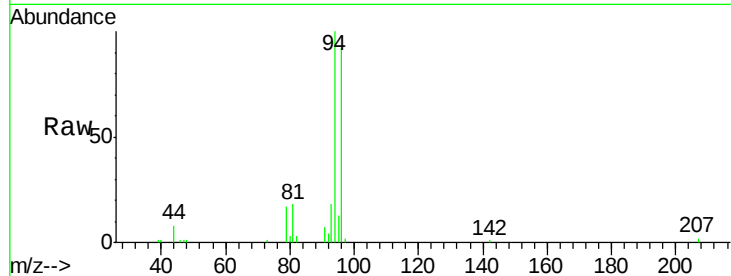
Ion Ratio Lower Upper

94 100

96 92.2 74.1 111.1

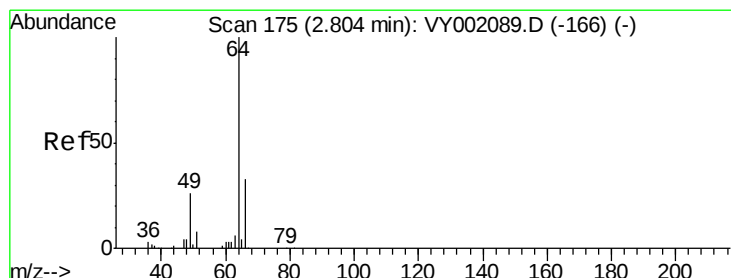
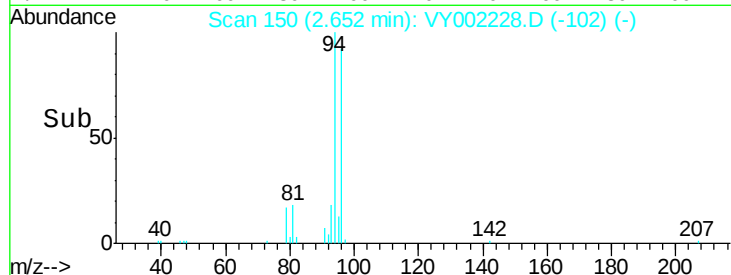
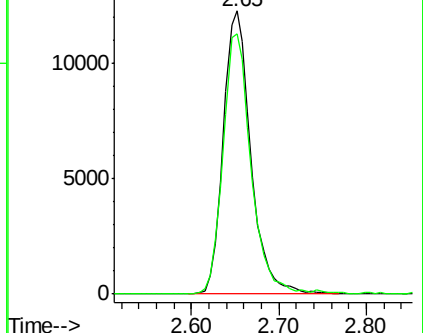
Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.253 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002228.D

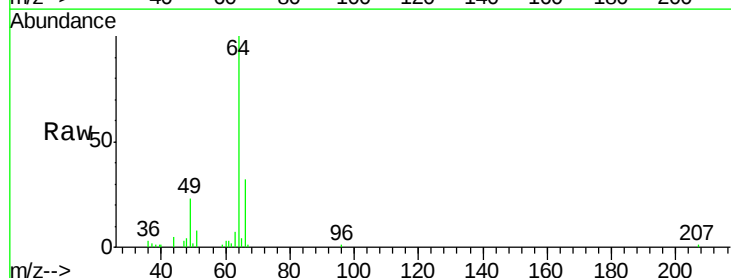
Acq: 06 Apr 2020 11:56

Tgt Ion: 64 Resp: 25593

Ion Ratio Lower Upper

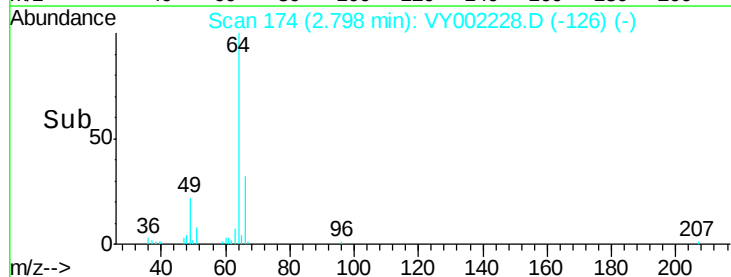
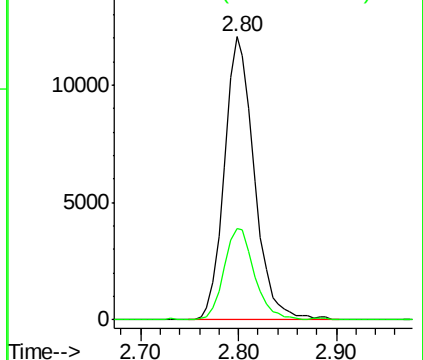
64 100

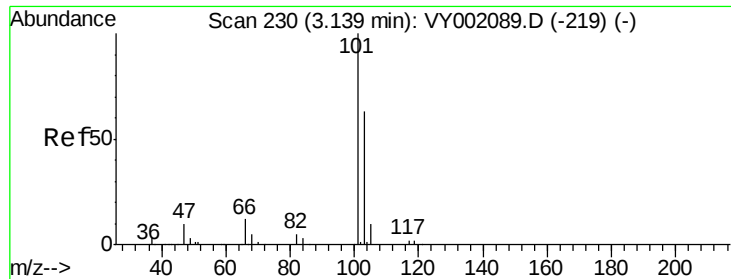
66 32.5 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

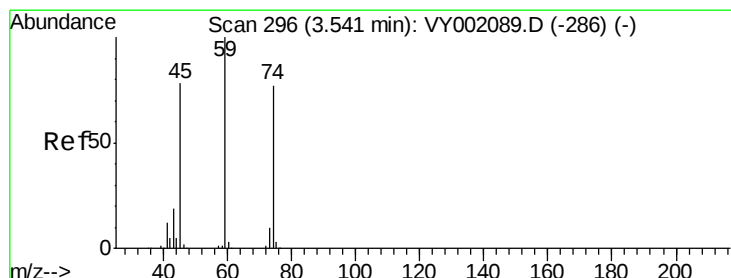
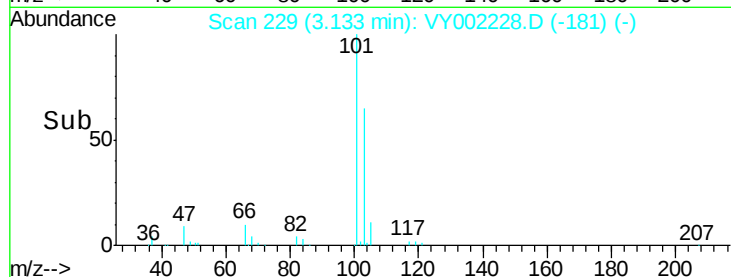
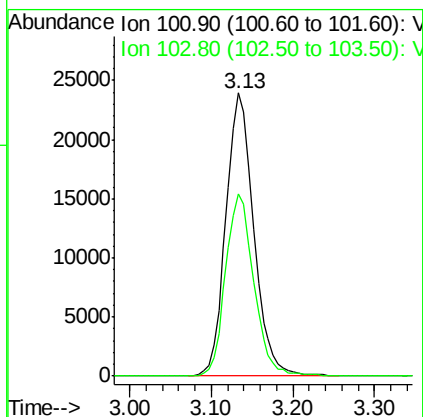
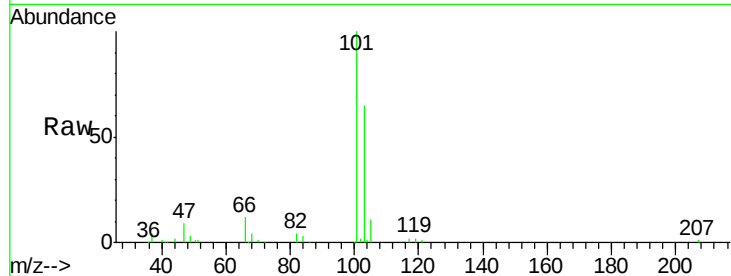
Trichlorofluoromethane
 Concen: 21.974 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.6	76.0

Manual Integrations
 APPROVED

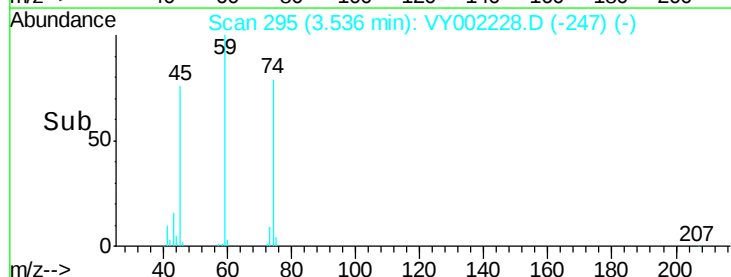
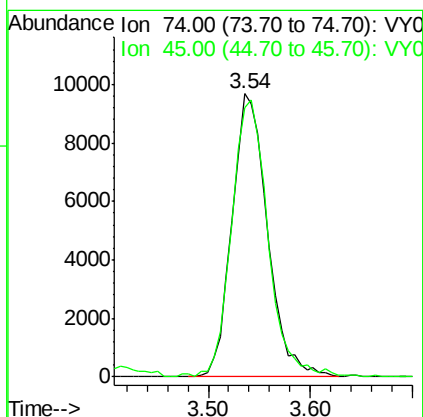
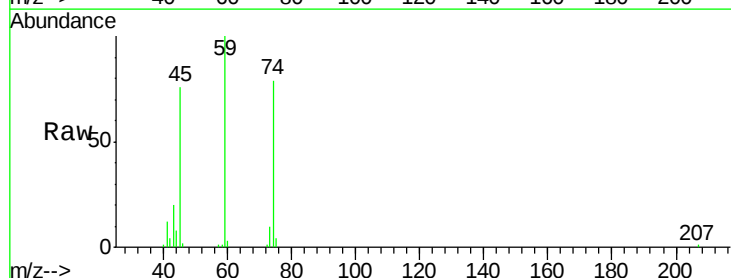
MMDadoda
 4/7/2020 7:06:19 PM

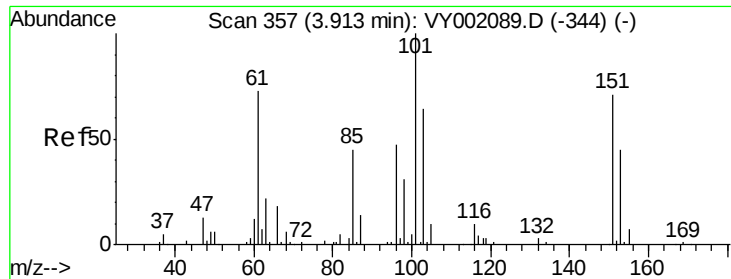


#8

Diethyl Ether
 Concen: 21.418 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.231 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

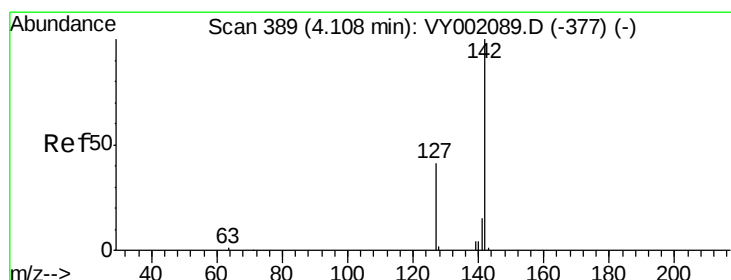
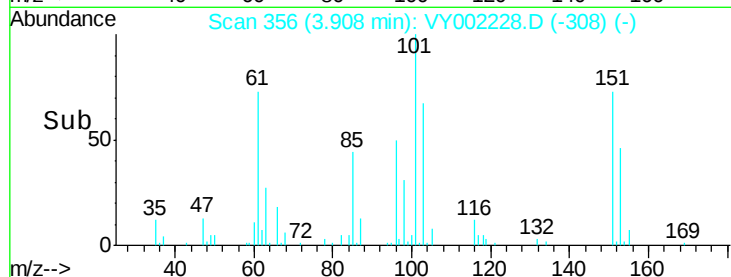
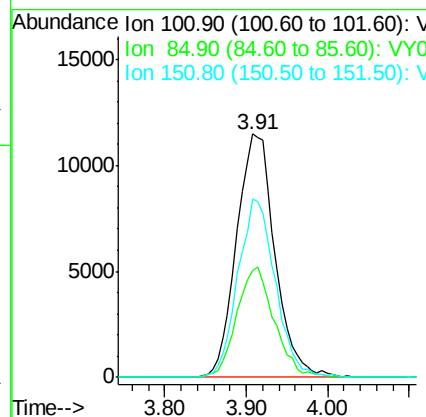
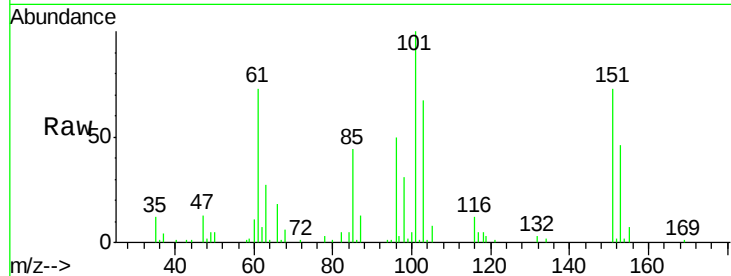
ClientSampleId :

VY0406SBS01

Tot Ion:	101	Resp:	37486
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.9	53.9
151	71.4	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#10

Methyl Iodide

Concen: 19.745 ug/l

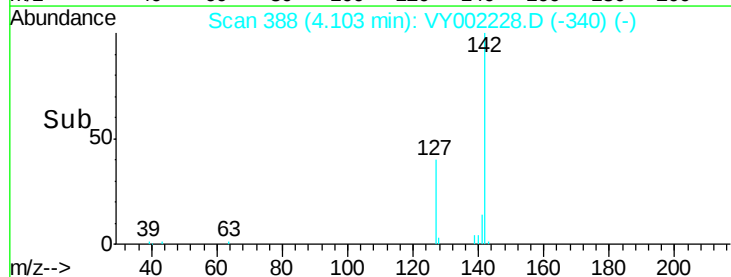
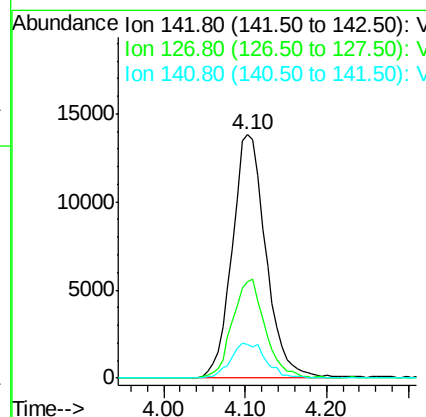
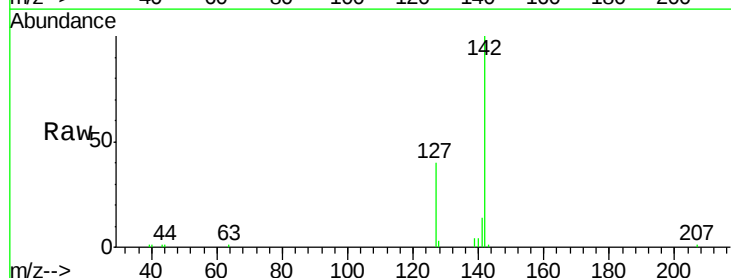
RT: 4.10 min Scan# 388

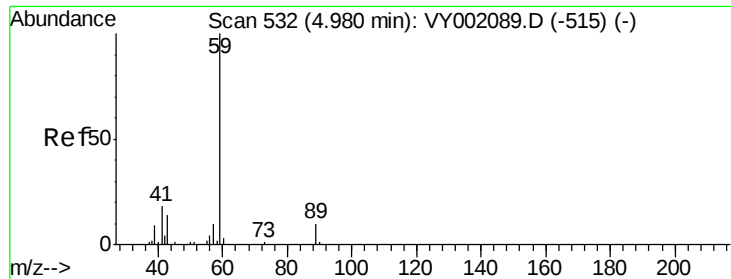
Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	142	Resp:	39588
Ion Ratio	Lower	Upper	
142	100		
127	39.3	32.6	49.0
141	14.9	11.4	17.0





#11

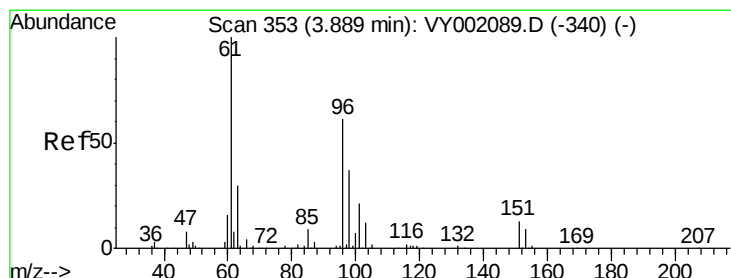
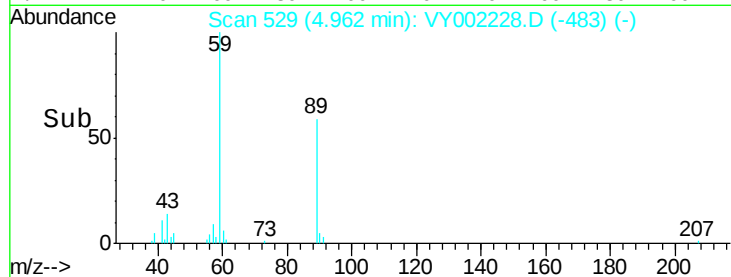
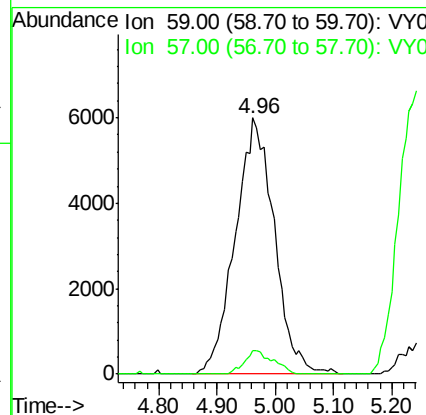
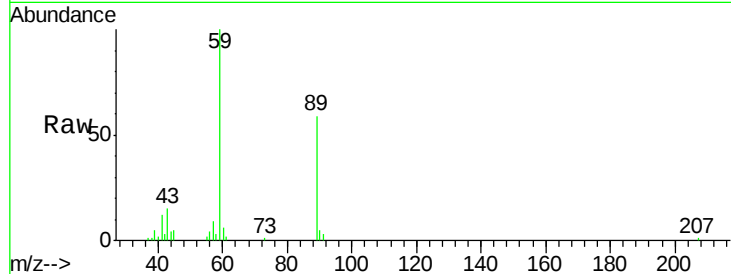
Tert butyl alcohol
 Concen: 135.570 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	59	Resp	27868
Ion Ratio	100	Lower	Upper
57	6.8	7.7	11.5#

Manual Integrations
 APPROVED

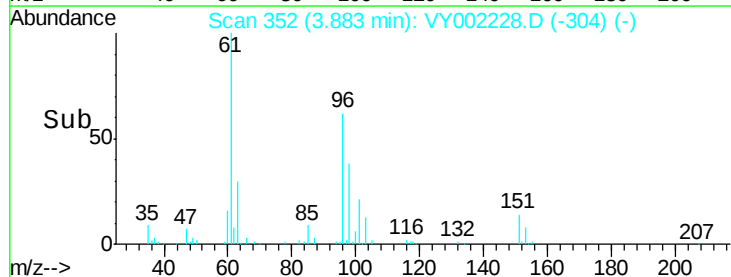
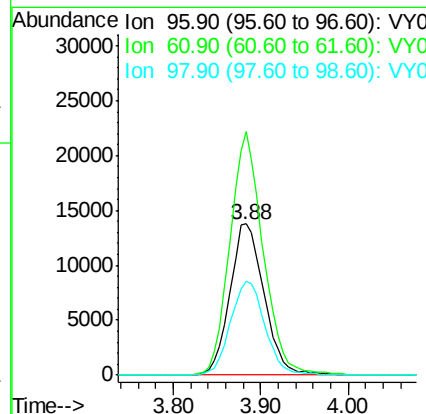
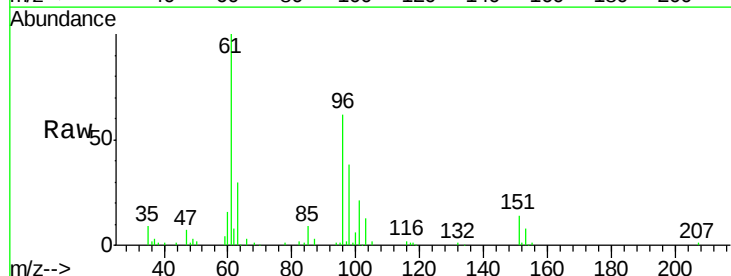
MMDadoda
 4/7/2020 7:06:19 PM

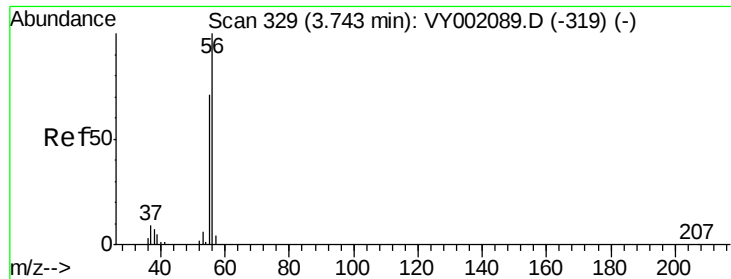


#12

1,1-Dichloroethene
 Concen: 21.896 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	96	Resp	37490
Ion Ratio	100	Lower	Upper
61	160.6	132.0	198.0
98	61.9	49.4	74.0





#13

Acrolein

Concen: 81.585 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 56 Resp: 20961

Ion Ratio Lower Upper

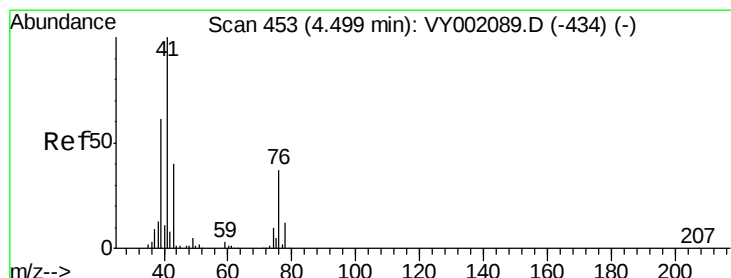
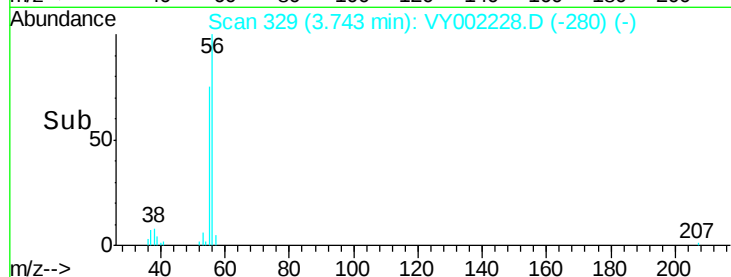
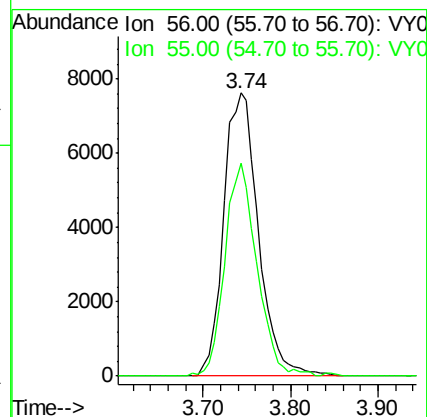
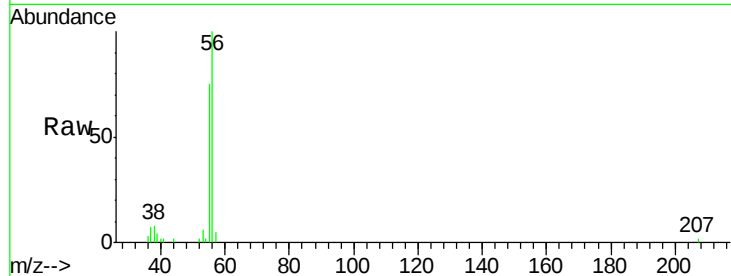
56 100

55 69.2 56.5 84.7

Manual Integrations
APPROVED

MMDadoda

4/7/2020 7:06:19 PM



#14

Allyl chloride

Concen: 20.248 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

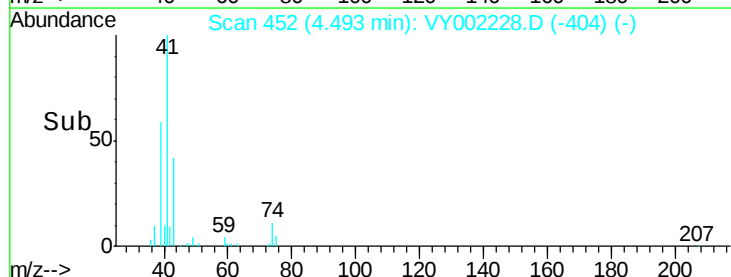
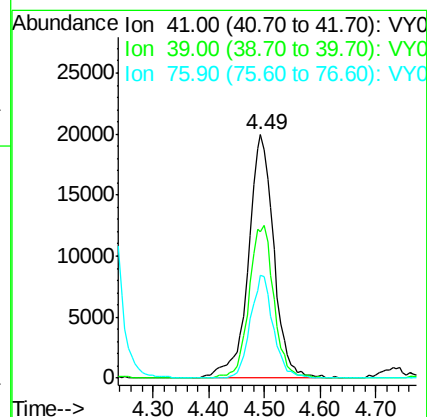
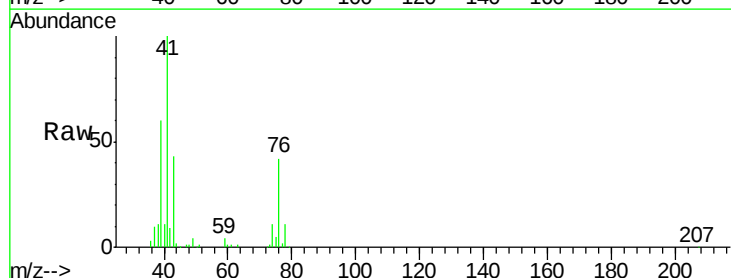
Tgt Ion: 41 Resp: 63465

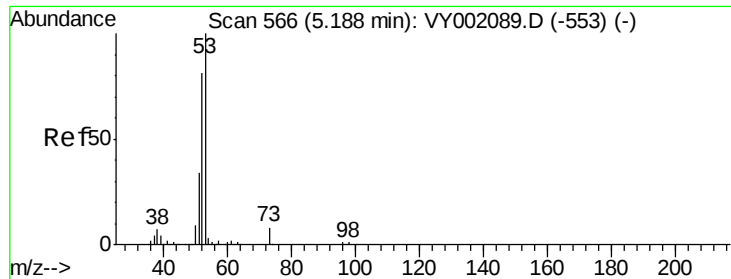
Ion Ratio Lower Upper

41 100

39 61.4 49.0 73.4

76 37.7 27.8 41.8





#15

Acrylonitrile

Concen: 105.477 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

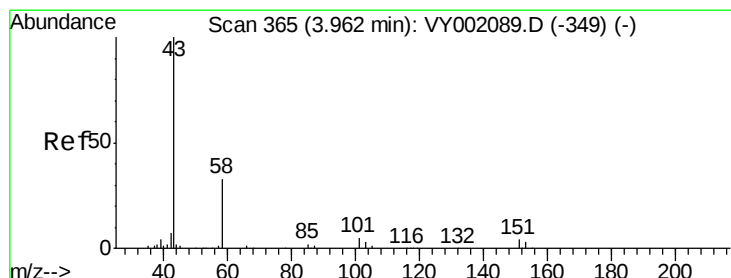
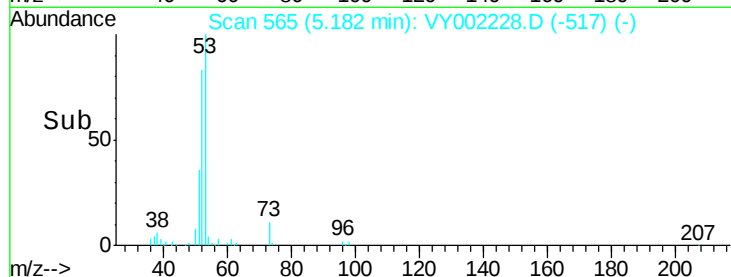
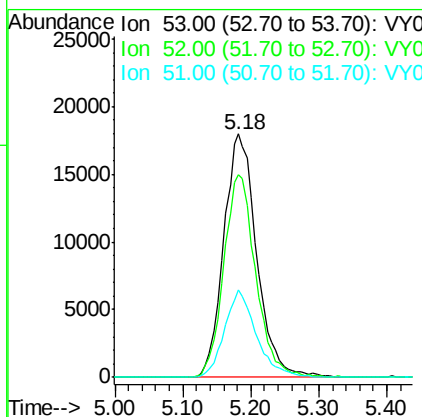
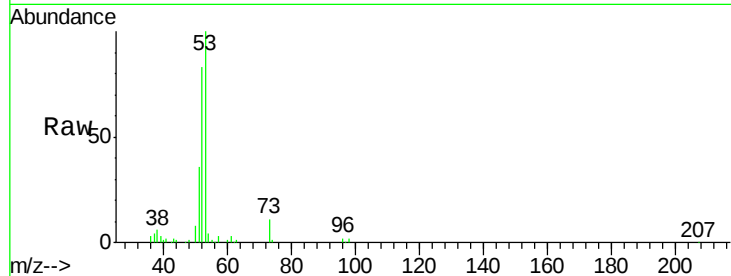
ClientSampleId :

VY0406SBS01

Tot Ion:	53	Resp:	60179
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.6	97.0
51	34.6	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#16

Acetone

Concen: 95.130 ug/l

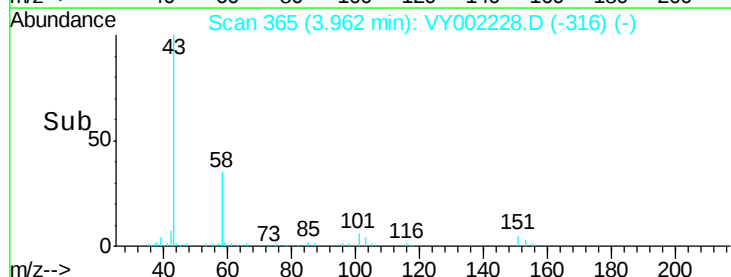
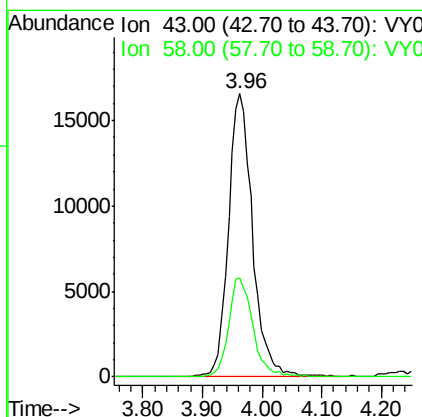
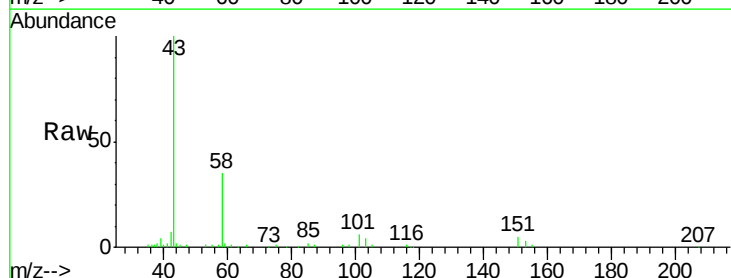
RT: 3.96 min Scan# 365

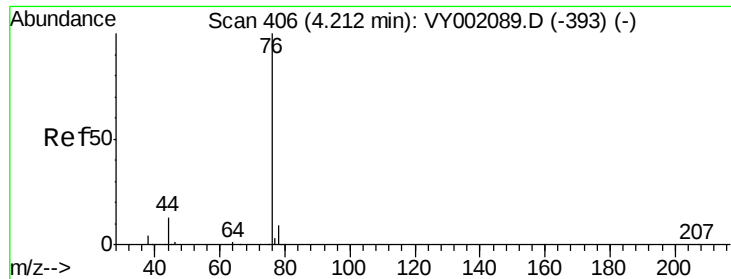
Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	43	Resp:	46621
Ion	Ratio	Lower	Upper
43	100		
58	35.1	26.3	39.5





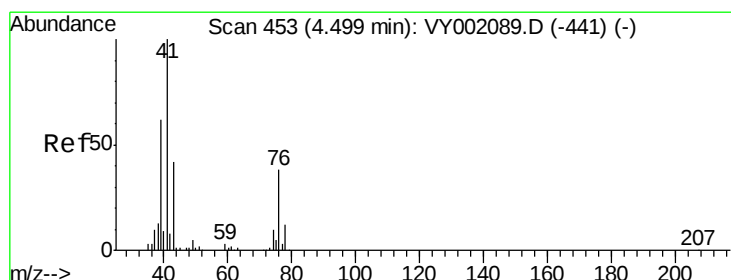
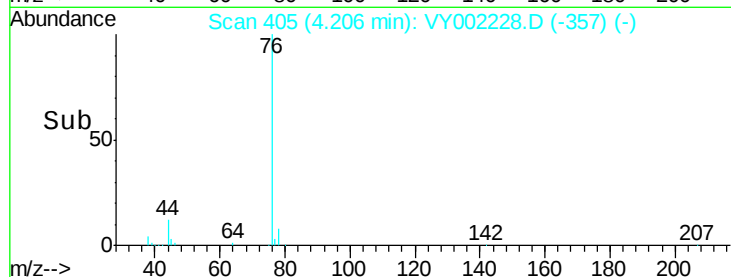
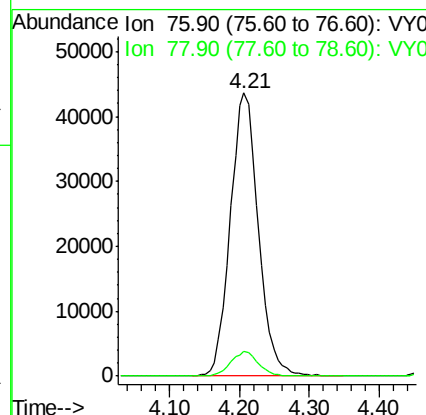
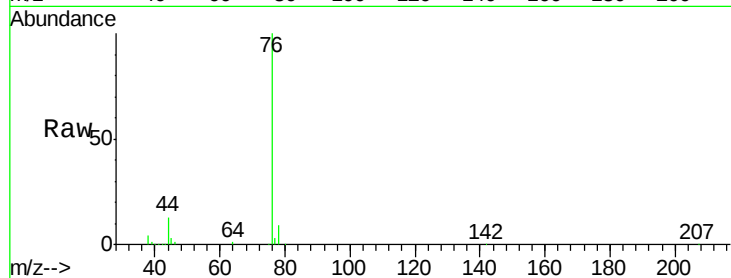
#17
Carbon Disulfide
Concen: 21.359 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

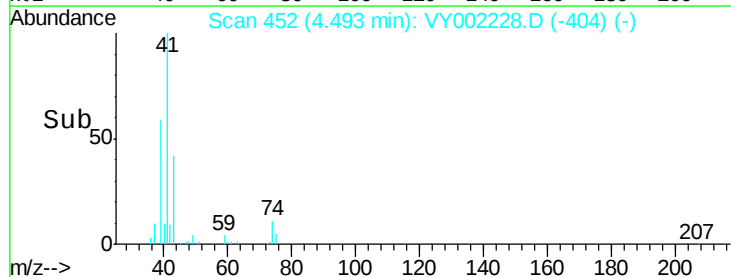
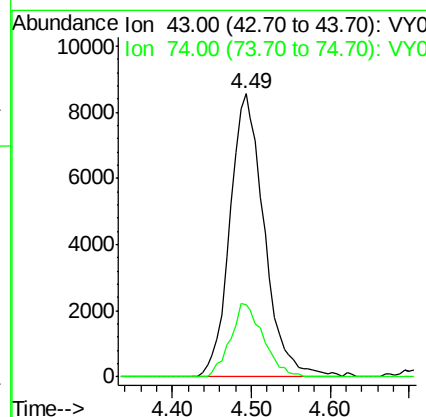
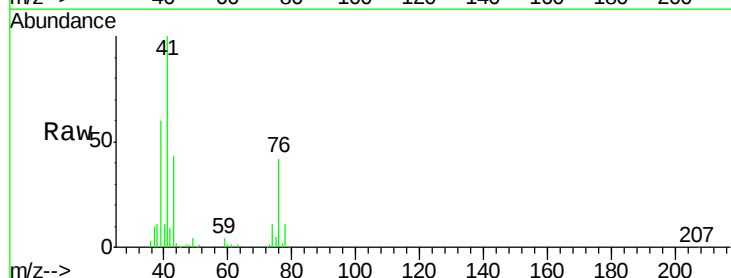
Manual Integrations
APPROVED

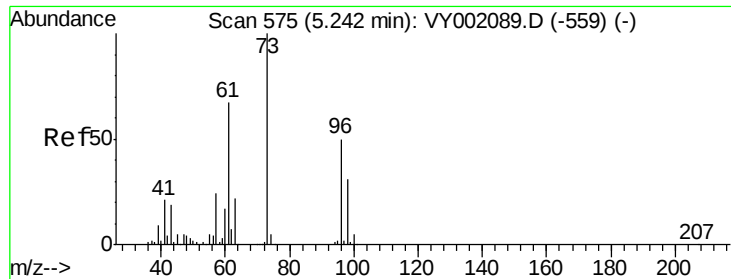
MMDadoda
4/7/2020 7:06:19 PM



#18
Methyl Acetate
Concen: 20.379 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.3	27.5





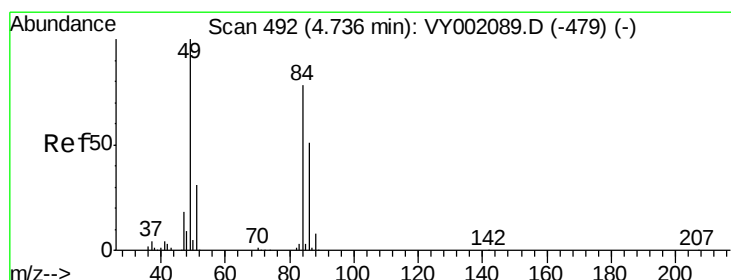
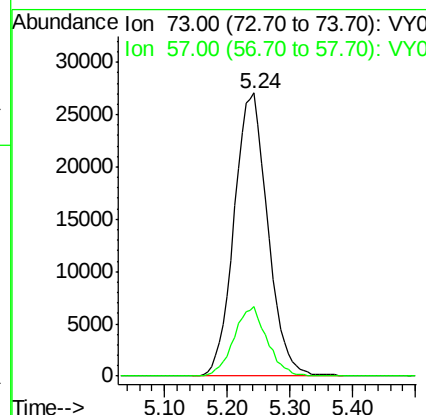
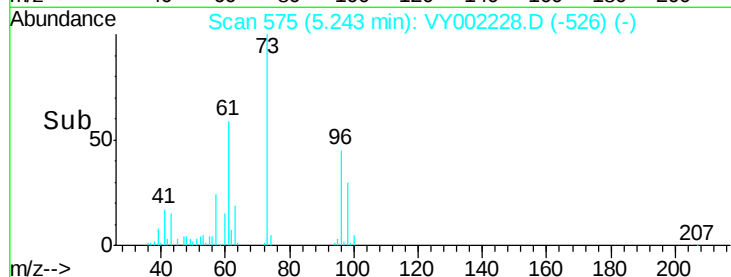
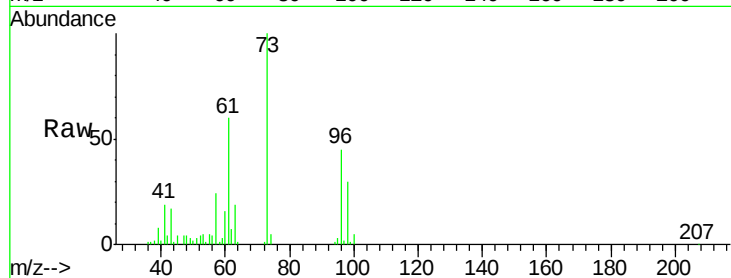
#19
Methyl tert-butyl Ether
Concen: 21.091 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion: 73 Resp: 100742
Ion Ratio Lower Upper
73 100
57 24.5 19.0 28.6

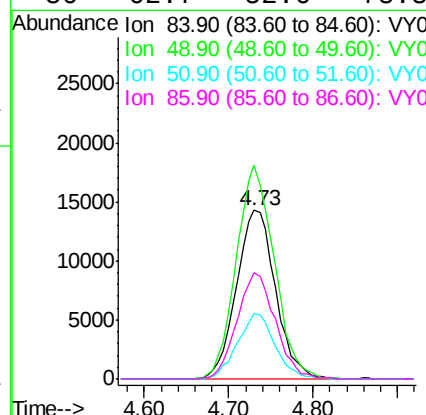
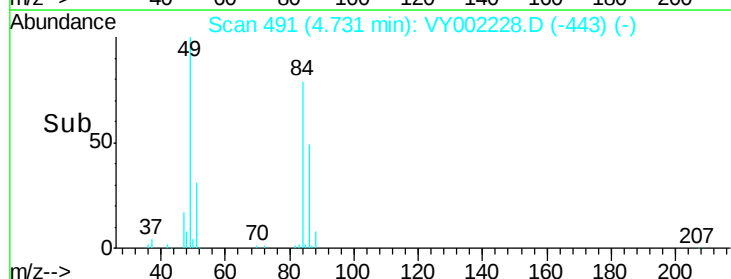
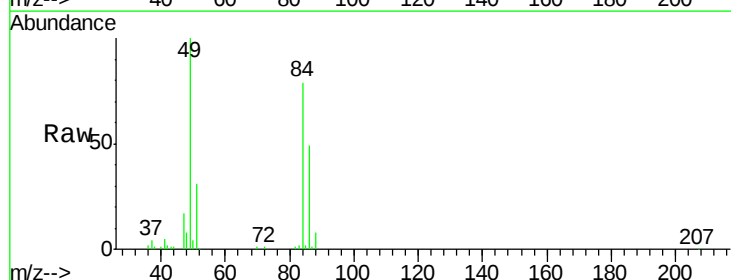
Manual Integrations
APPROVED

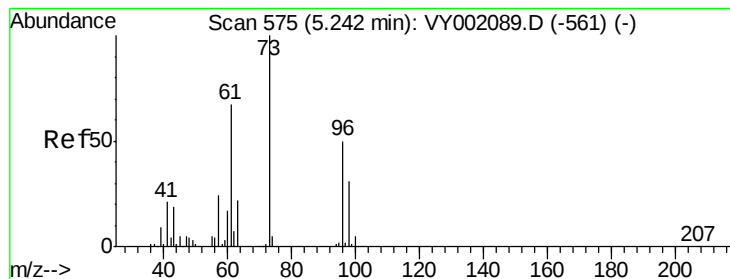
MMDadoda
4/7/2020 7:06:19 PM



#20
Methylene Chloride
Concen: 18.837 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion: 84 Resp: 44698
Ion Ratio Lower Upper
84 100
49 126.7 102.2 153.4
51 38.8 31.2 46.8
86 62.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.209 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

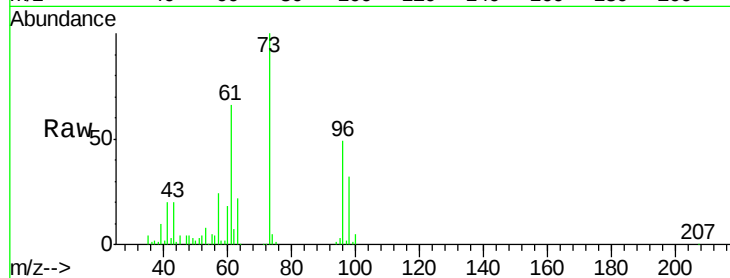
ClientSampleId :

VY0406SBS01

Tot Ion:	96	Resp:	41346
Ion	Ratio	Lower	Upper
96	100		
61	134.8	107.7	161.5
98	64.7	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM

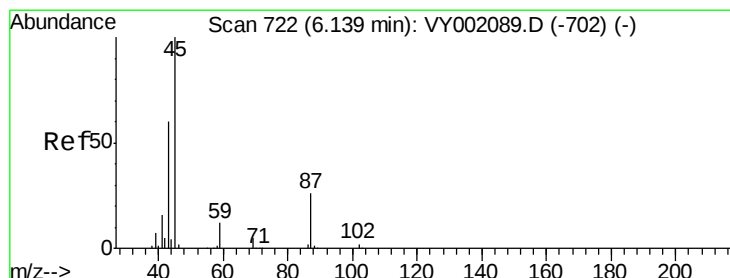
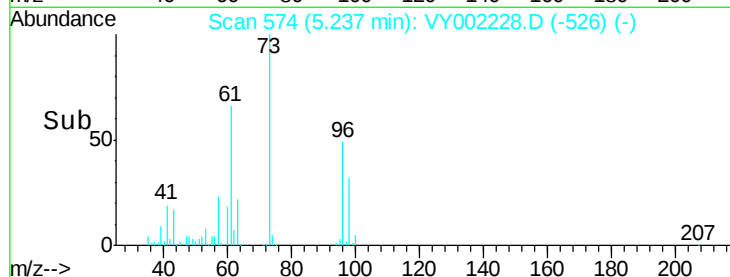
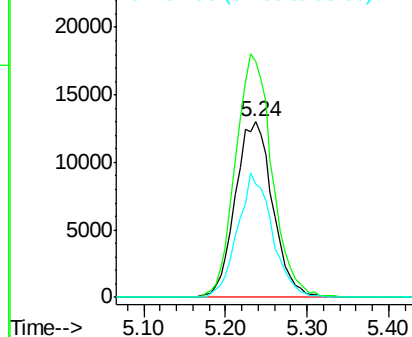


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 20.624 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	45	Resp:	132294
Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.1	72.1
87	27.3	21.1	31.7
59	11.1	9.2	13.8

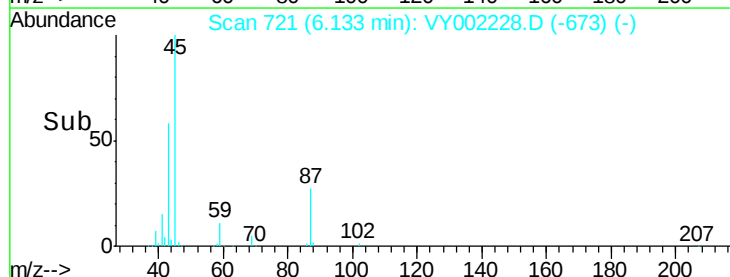
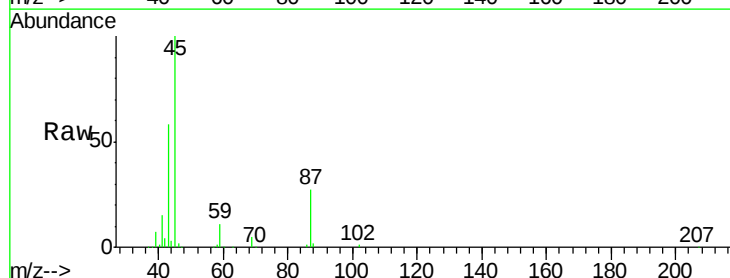
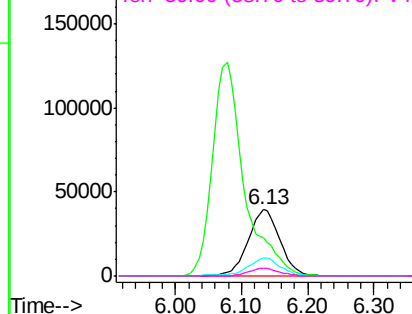
Abundance

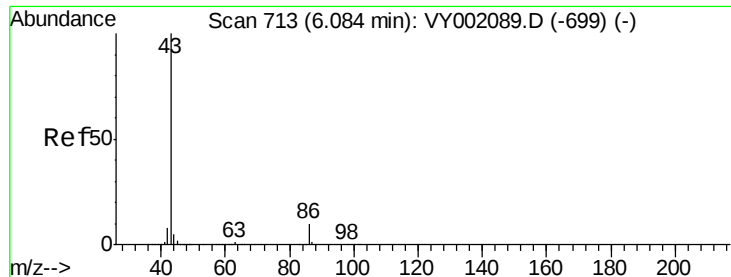
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 101.052 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 43 Resp: 425052

Ion Ratio Lower Upper

43 100

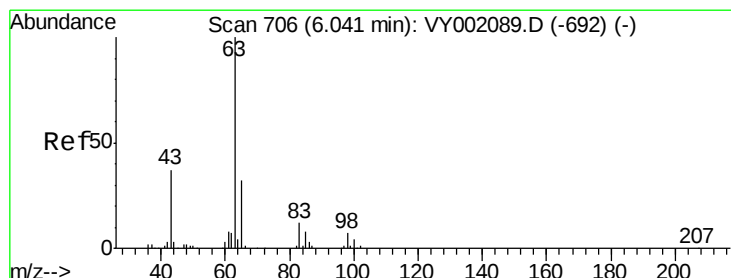
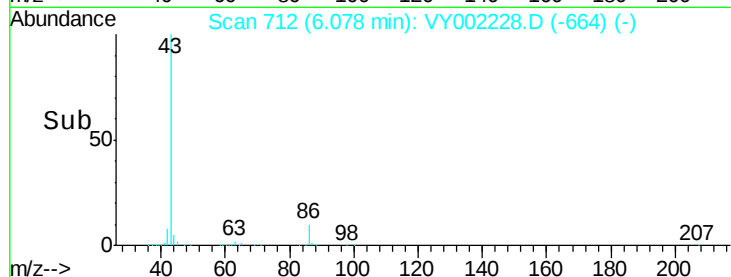
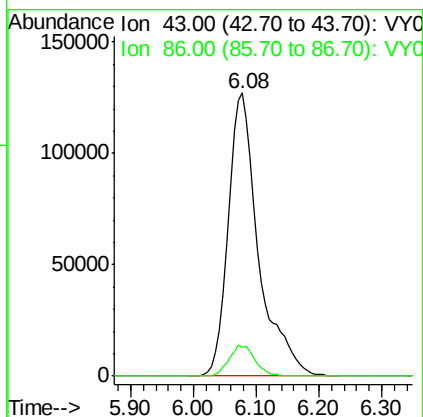
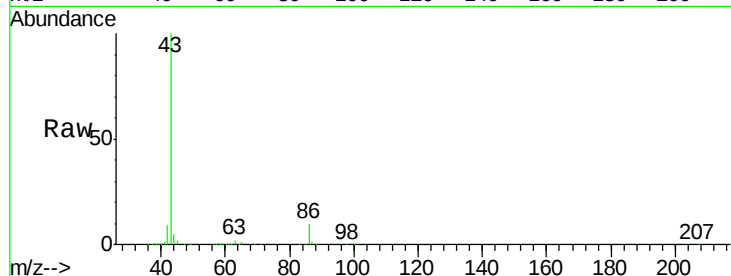
86 10.3 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:19 PM



#24

1,1-Dichloroethane

Concen: 20.963 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

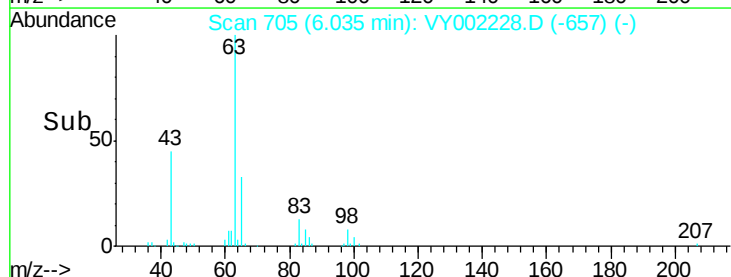
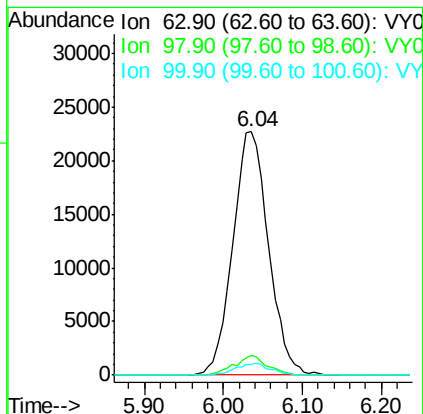
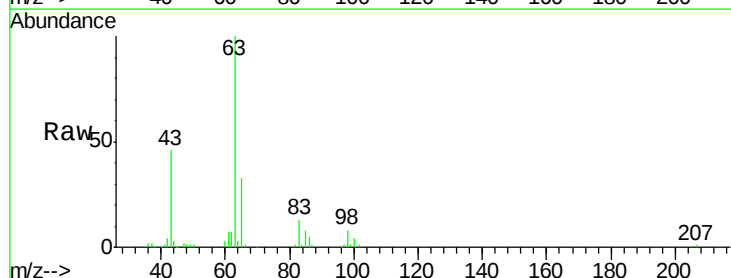
Tgt Ion: 63 Resp: 71497

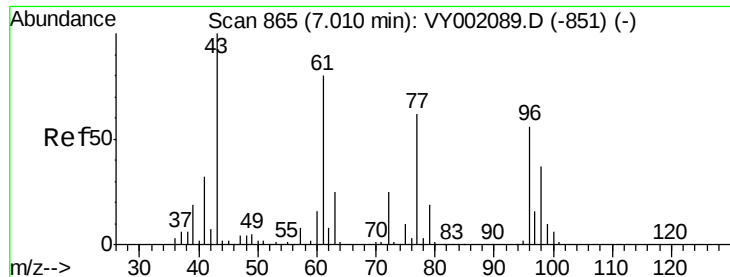
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.9

100 4.4 1.8 5.5





#25

2-Butanone

Concen: 101.661 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 43 Resp: 76501

Ion Ratio Lower Upper

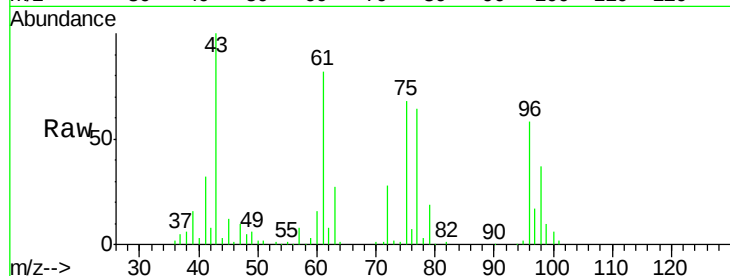
43 100

72 28.4 20.2 30.2

Manual Integrations
APPROVED

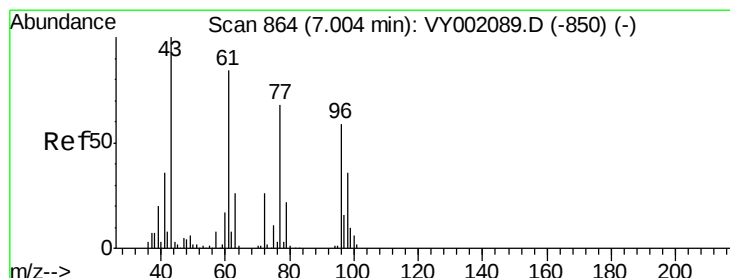
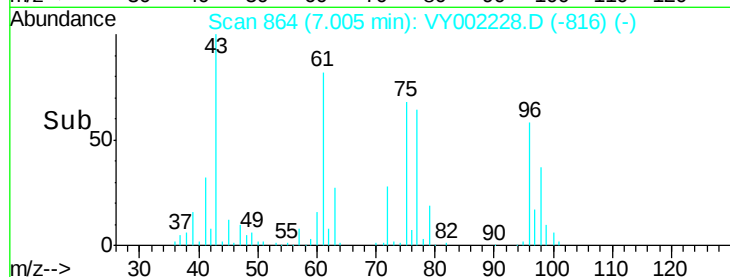
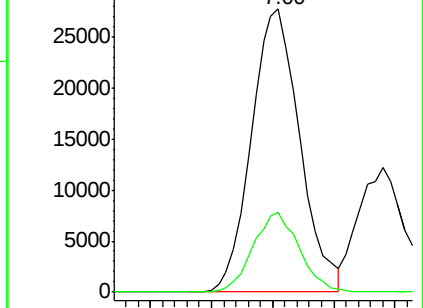
MMDadoda

4/7/2020 7:06:19 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: 21.150 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002228.D

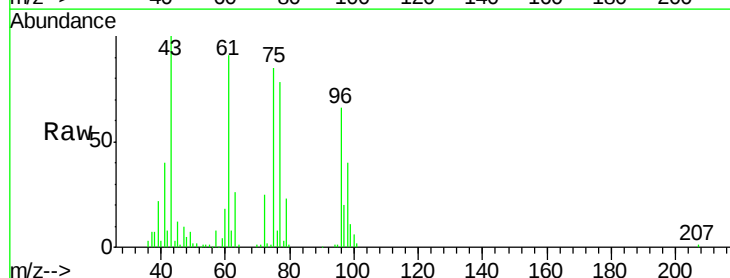
Acq: 06 Apr 2020 11:56

Tgt Ion: 77 Resp: 59408

Ion Ratio Lower Upper

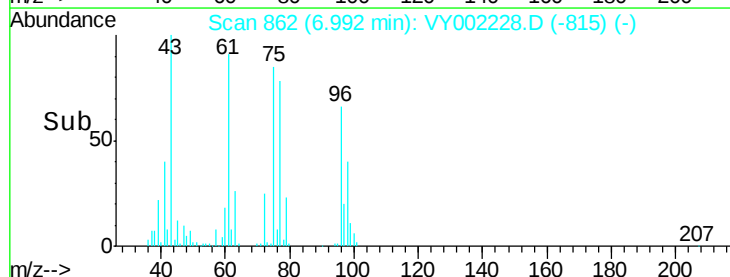
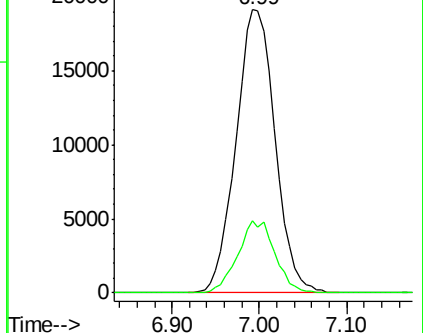
77 100

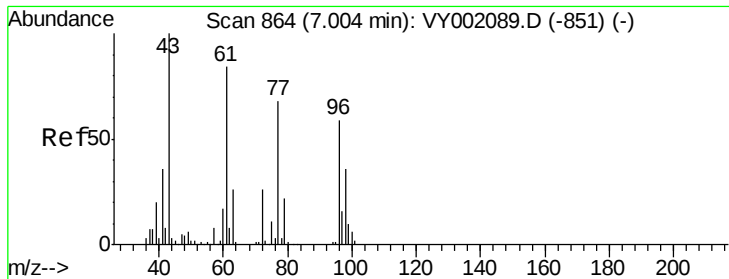
97 24.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

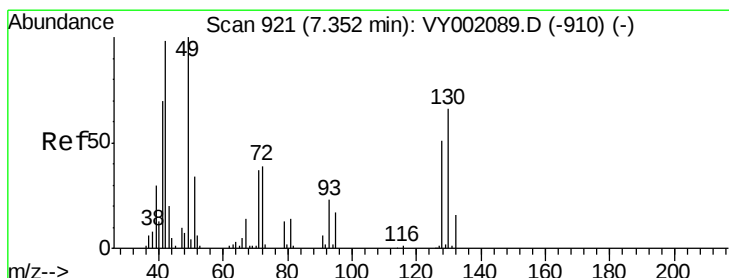
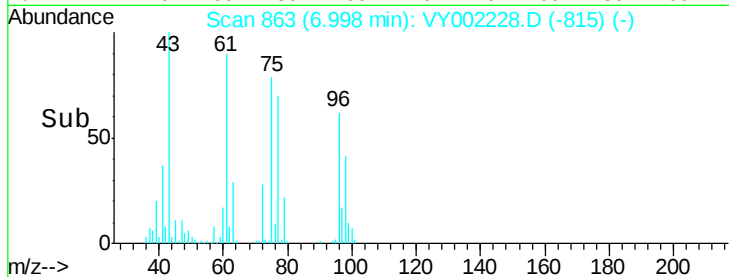
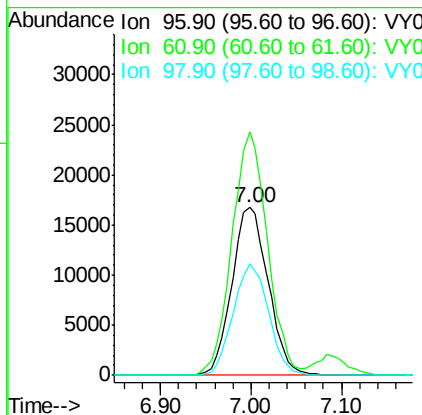
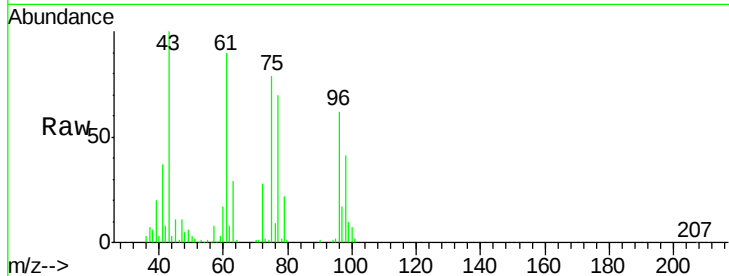
cis-1,2-Dichloroethene
 Concen: 21.745 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	290.6
98	64.6	0.0	128.0

Manual Integrations
 APPROVED

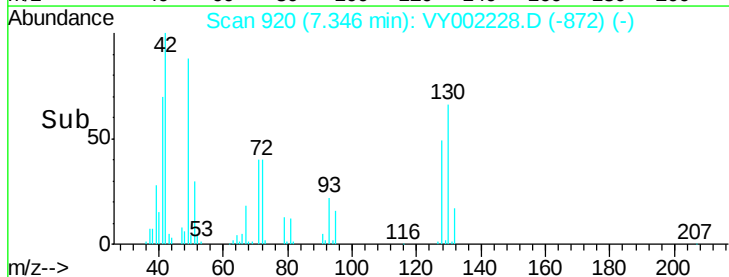
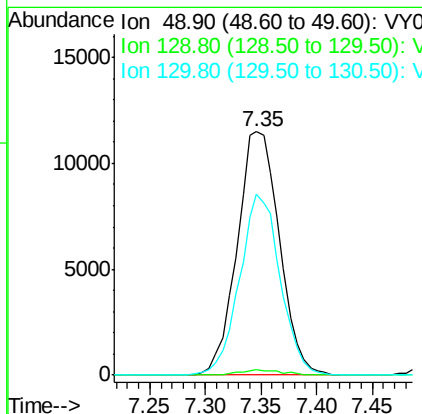
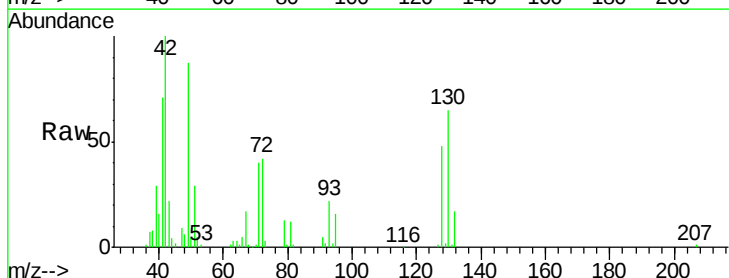
MMDadoda
 4/7/2020 7:06:19 PM

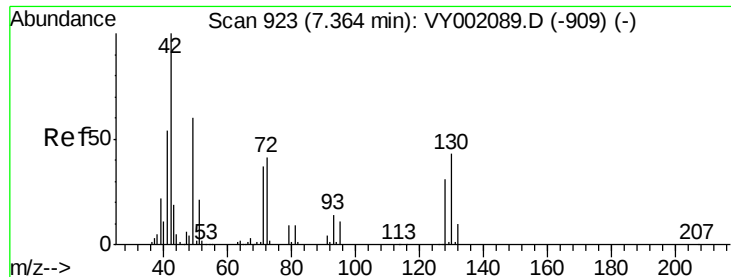


#28

Bromochloromethane
 Concen: 19.490 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	71.4	54.1	81.1





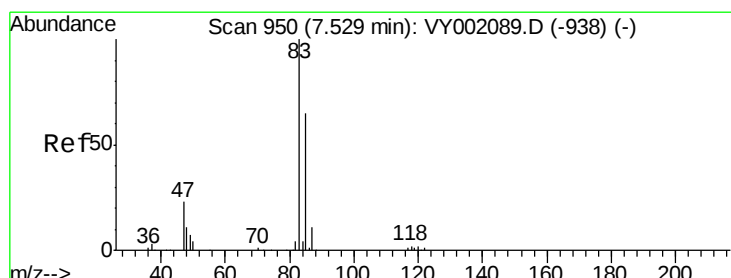
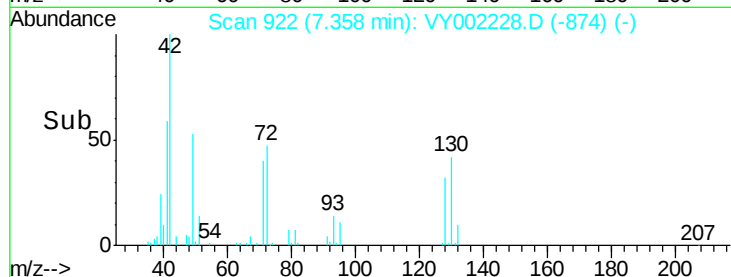
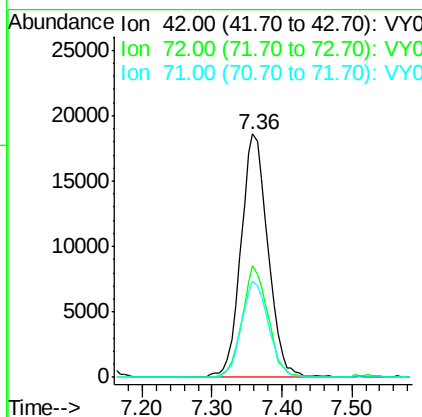
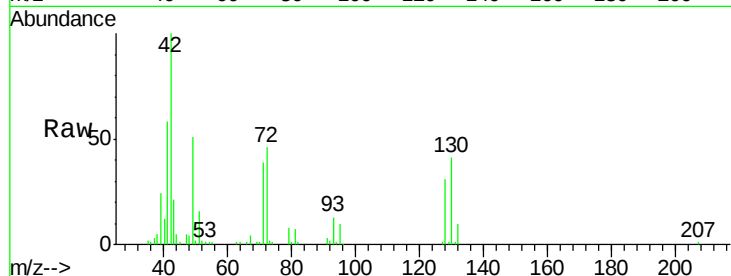
#29
Tetrahydrofuran
Concen: 100.978 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion:	42	Resp:	49820
Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.0	49.4
71	39.7	31.2	46.8

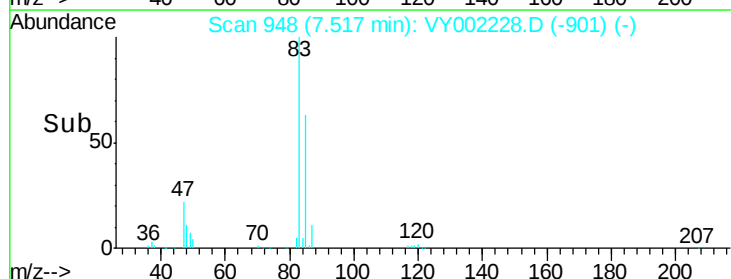
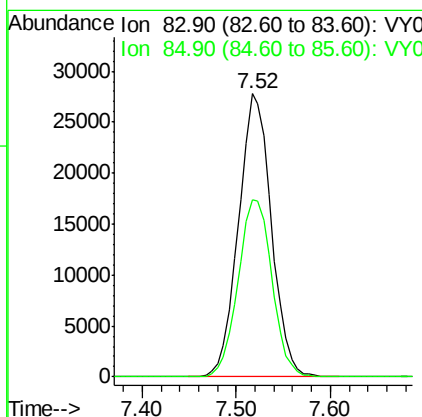
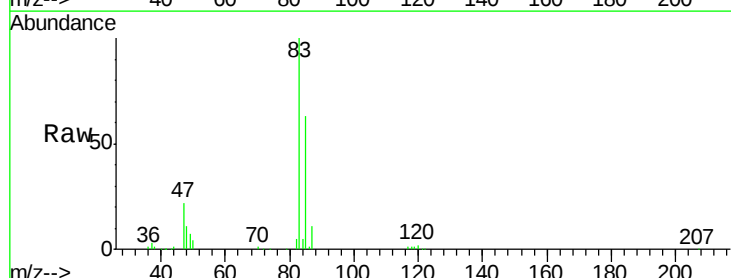
Manual Integrations
APPROVED

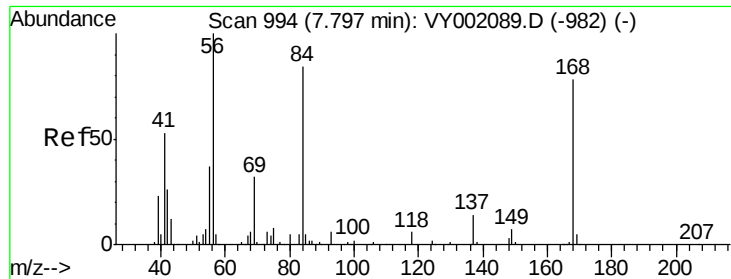
MMDadoda
4/7/2020 7:06:19 PM



#30
Chloroform
Concen: 21.001 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion:	83	Resp:	67892
Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





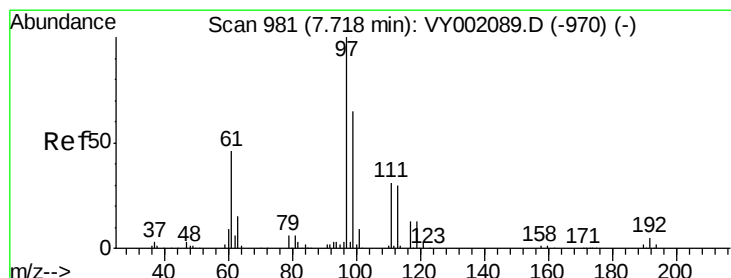
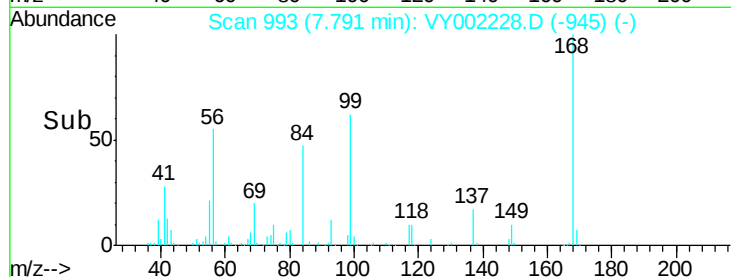
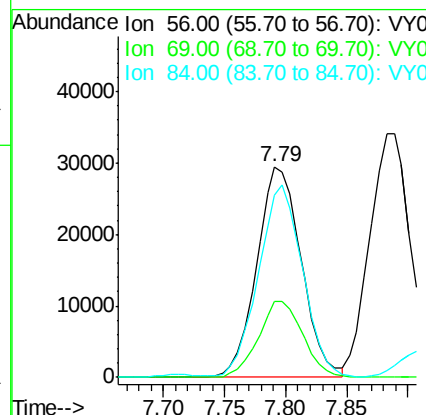
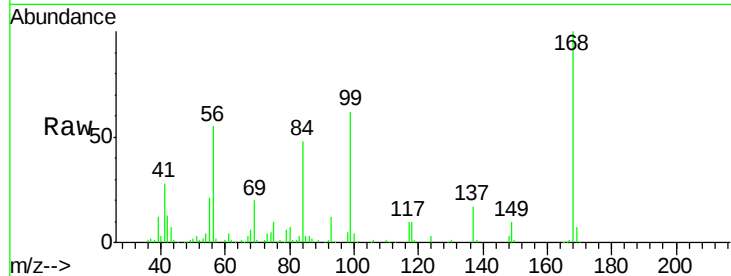
#31
Cvclohexane
Concen: 20.561 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.8	38.8
84	86.0	67.1	100.7

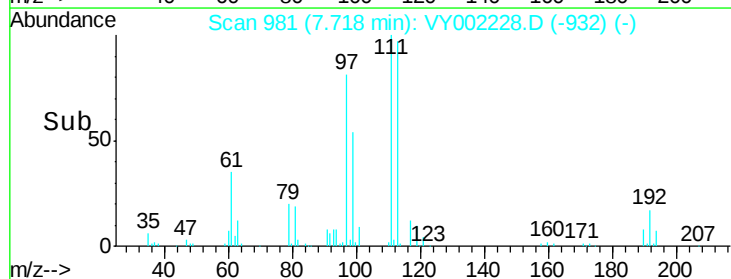
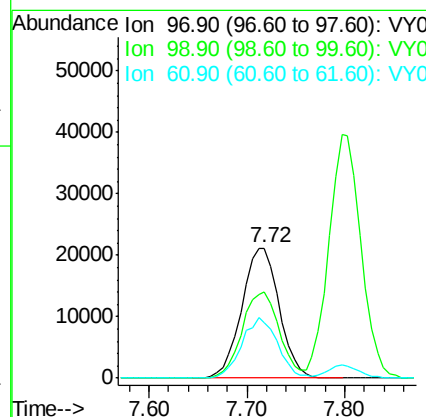
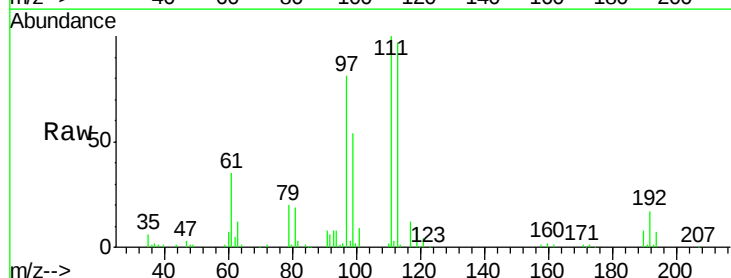
Manual Integrations
APPROVED

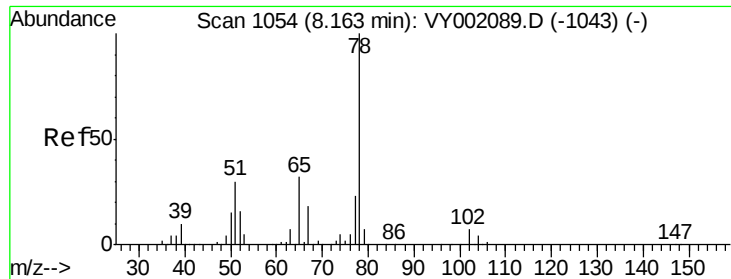
MMDadoda
4/7/2020 7:06:19 PM



#32
1,1,1-Trichloroethane
Concen: 20.761 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	44.7	35.7	53.5





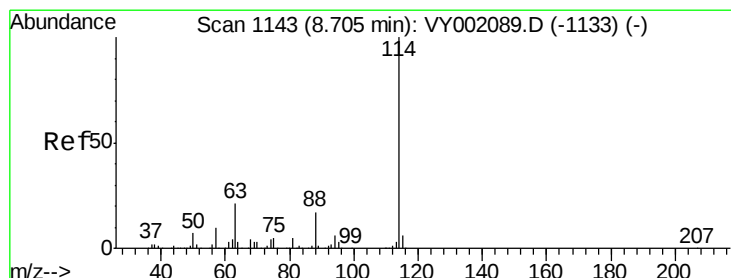
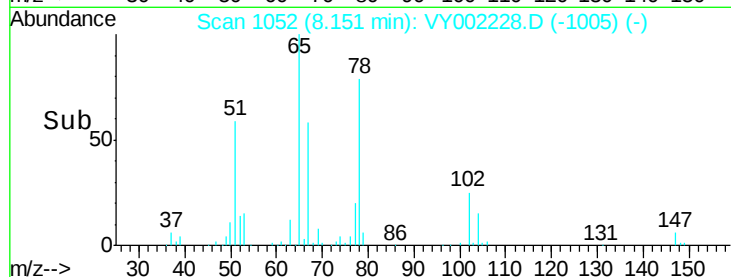
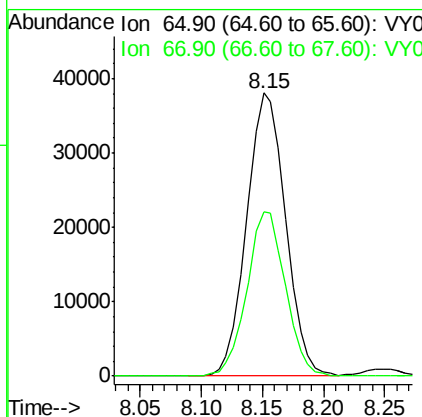
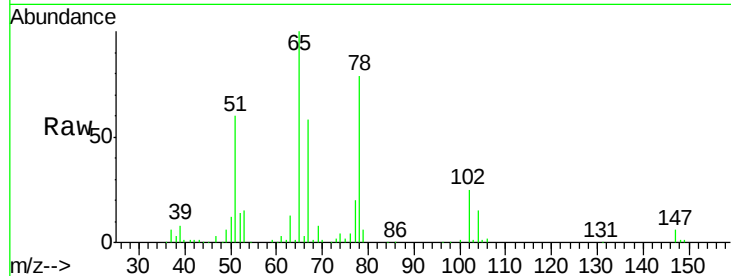
#33
 1,2-Dichloroethane-d4
 Concen: 48.363 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	65	Resp	84362
Ion Ratio	Lower	Upper	
65	100		
67	57.2	0.0	112.8

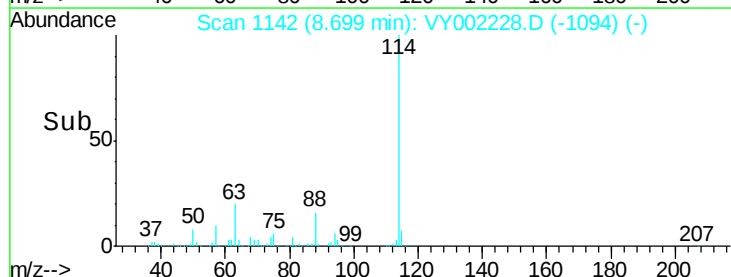
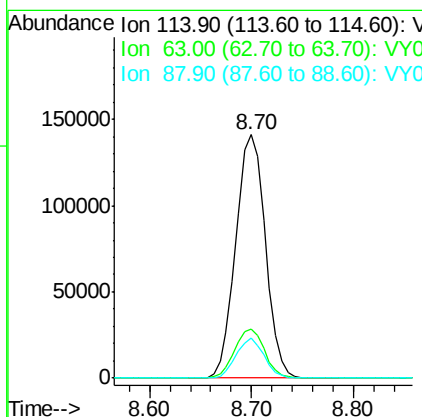
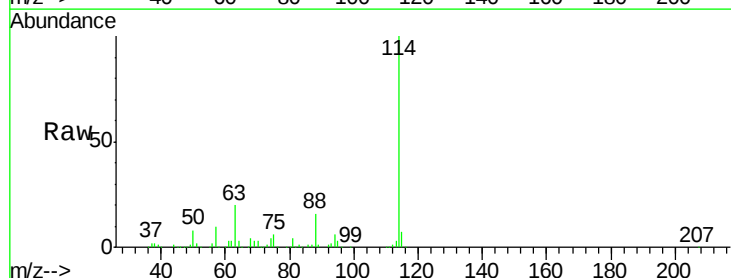
Manual Integrations
 APPROVED

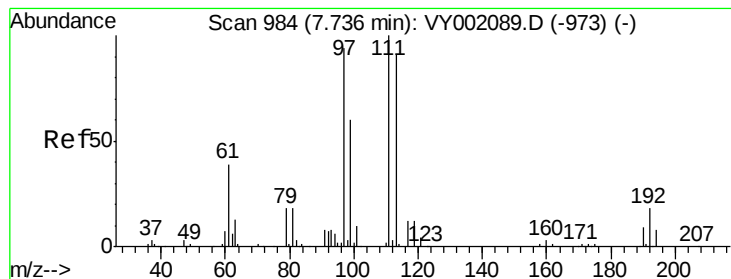
MMDadoda
 4/7/2020 7:06:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	114	Resp	284127
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	41.4
88	16.2	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.842 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

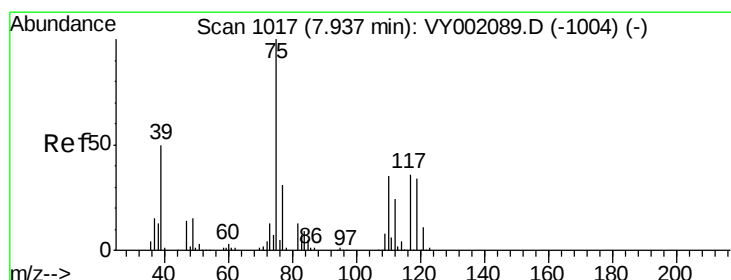
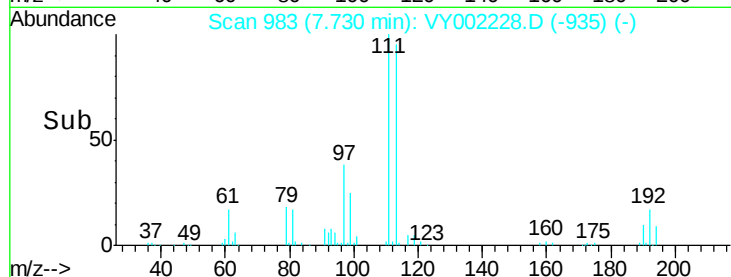
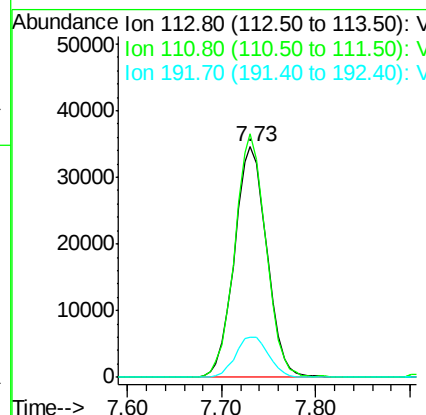
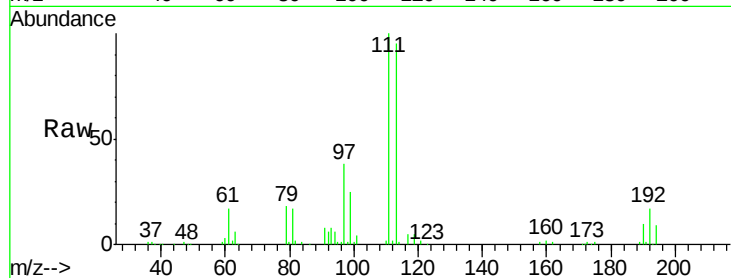
ClientSampleId :

VY0406SBS01

Tot Ion:	113	Resp:	82532
Ion	Ratio	Lower	Upper
113	100		
111	101.6	84.4	126.6
192	18.1	14.6	21.8

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#36

1,1-Dichloropropene

Concen: 21.523 ug/l

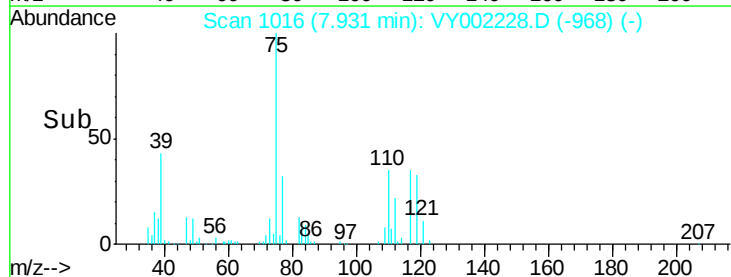
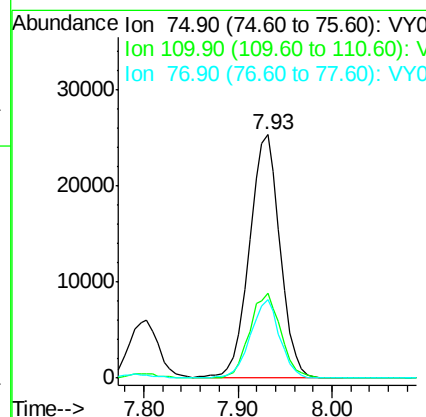
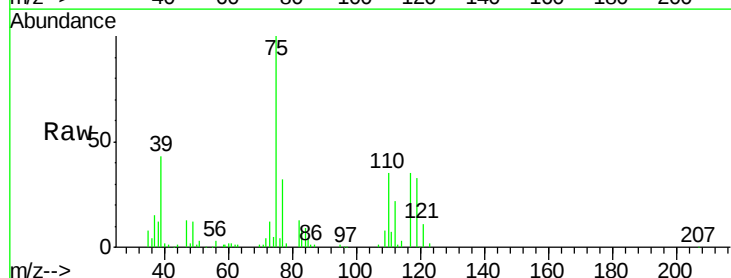
RT: 7.93 min Scan# 1016

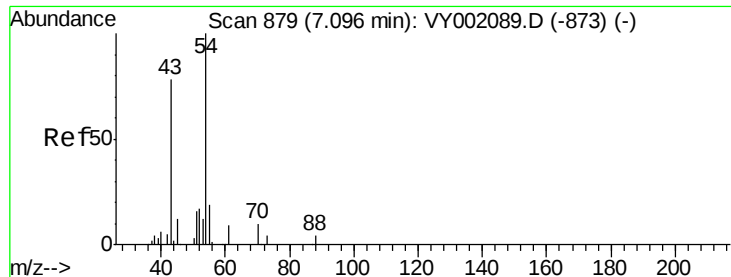
Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	75	Resp:	57842
Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.2	51.6
77	30.9	24.7	37.1





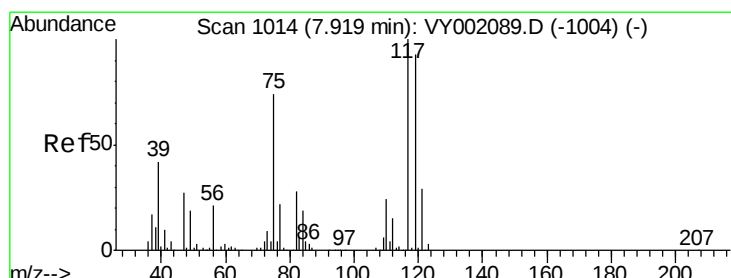
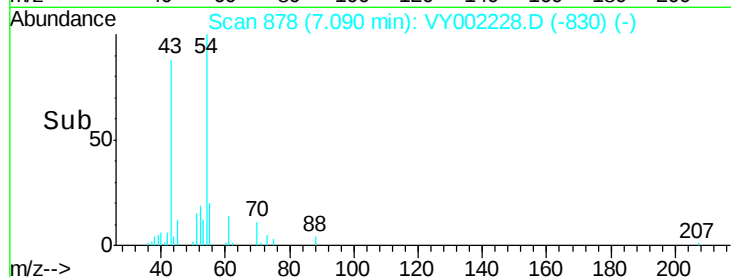
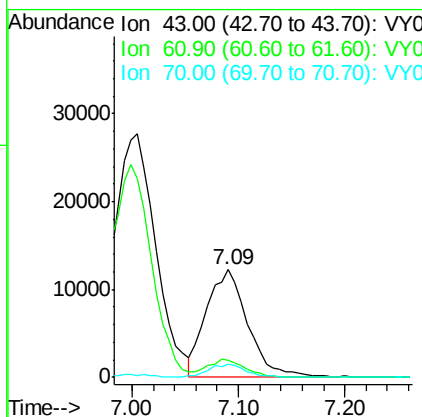
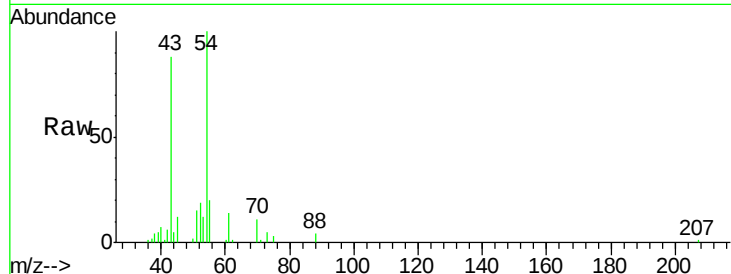
#37
Ethyl Acetate
Concen: 20.137 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.2	16.8
70	11.4	8.2	12.4

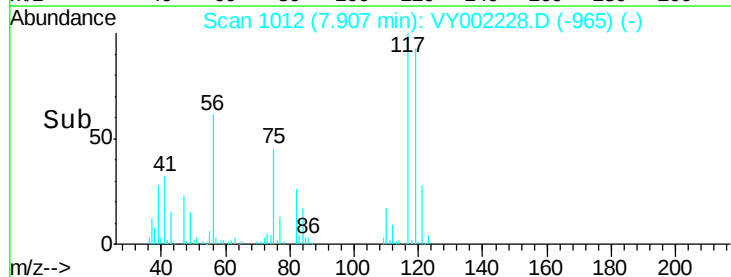
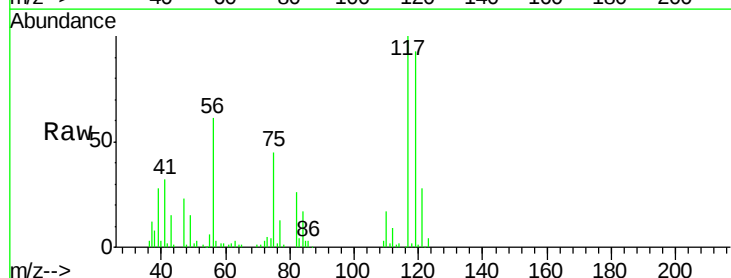
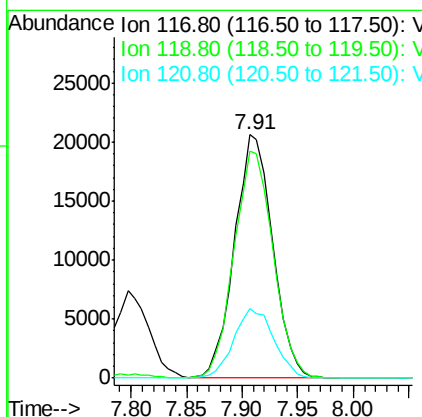
Manual Integrations
APPROVED

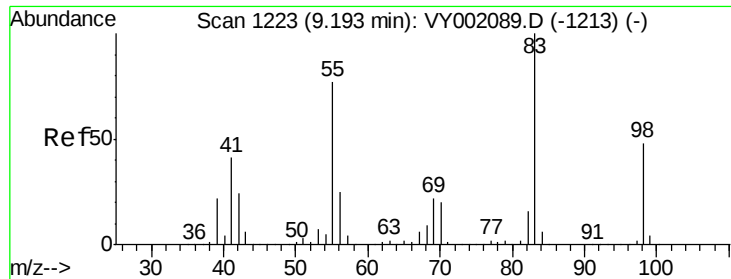
MMDadoda
4/7/2020 7:06:19 PM



#38
Carbon Tetrachloride
Concen: 21.574 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.3	111.5
121	28.4	23.3	34.9





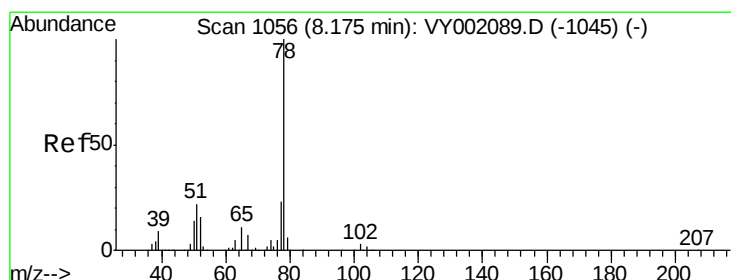
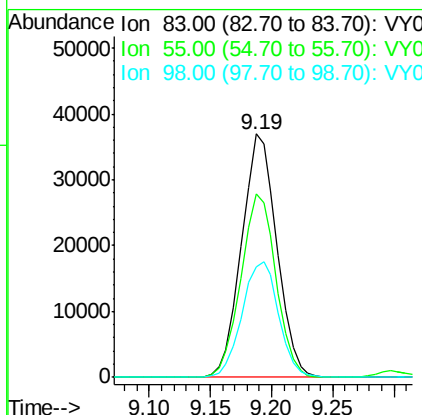
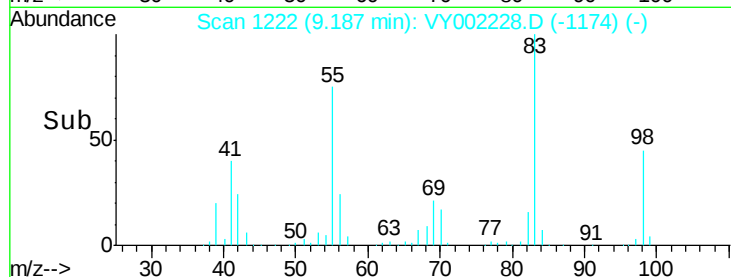
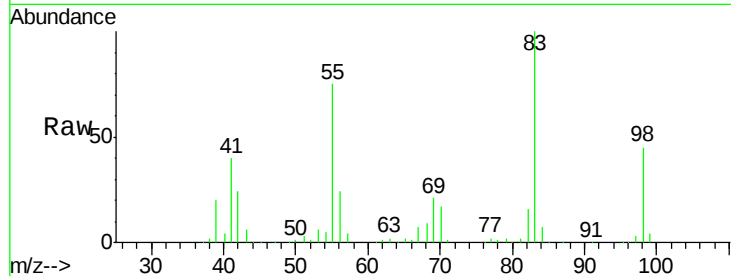
#39
Methvlcvclohexane
Concen: 21.016 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.2	91.8
98	45.2	38.2	57.2

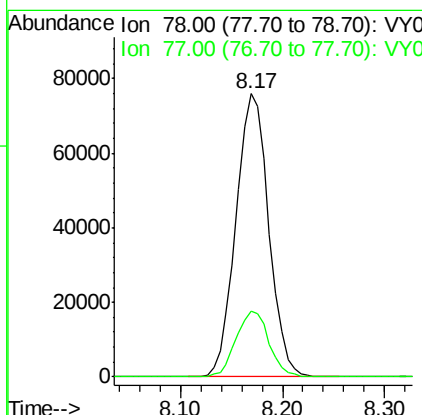
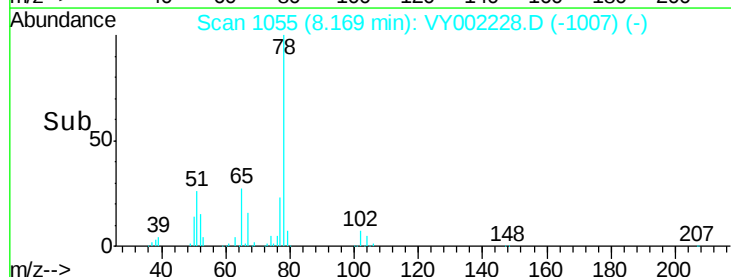
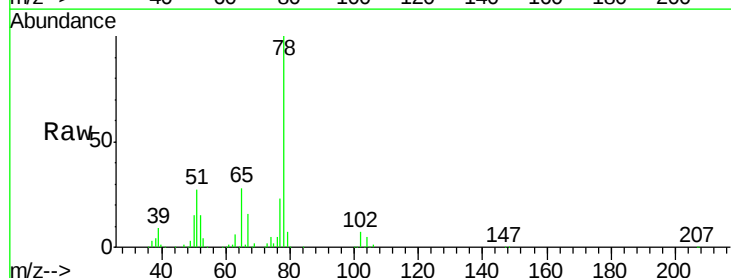
Manual Integrations
APPROVED

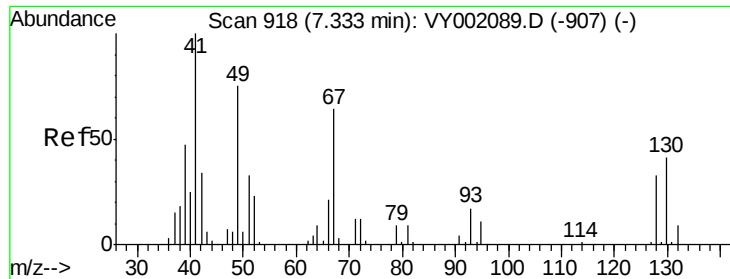
MMDadoda
4/7/2020 7:06:19 PM



#40
Benzene
Concen: 21.271 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.4





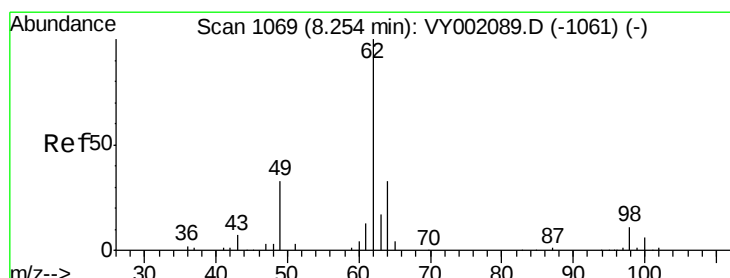
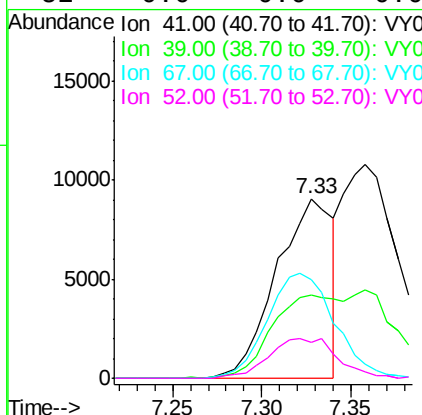
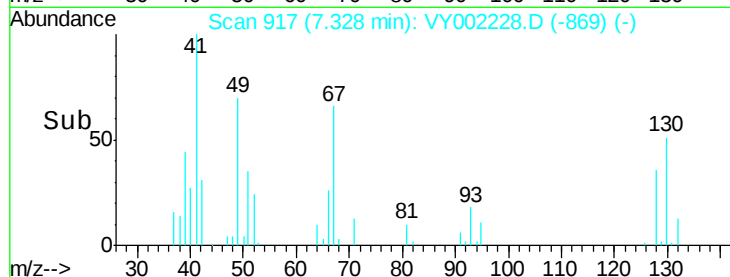
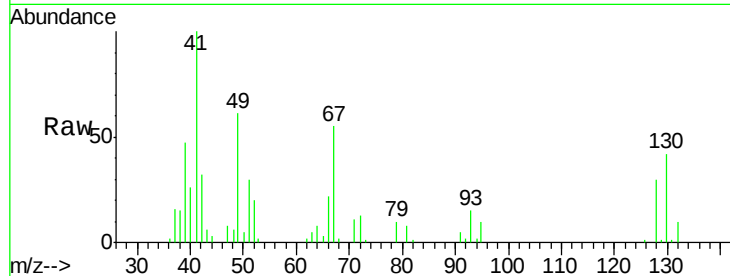
#41
Methacrylonitrile
Concen: 24.292 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

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

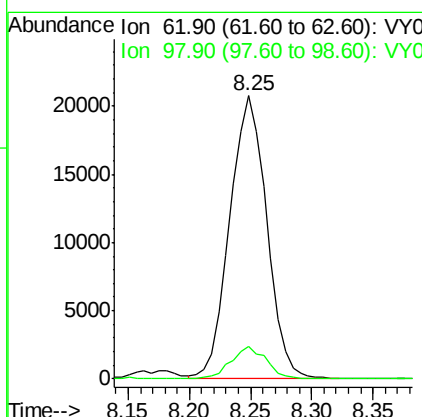
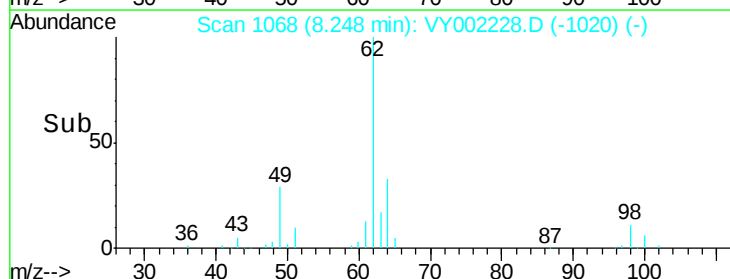
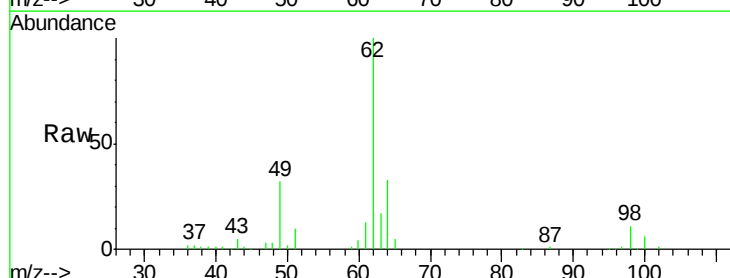
Manual Integrations
APPROVED

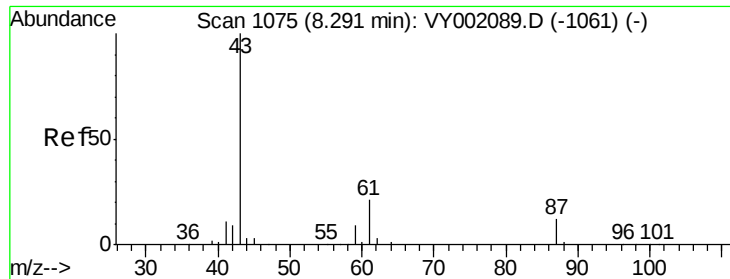
MMDadoda
4/7/2020 7:06:19 PM



#42
1,2-Dichloroethane
Concen: 20.645 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.2





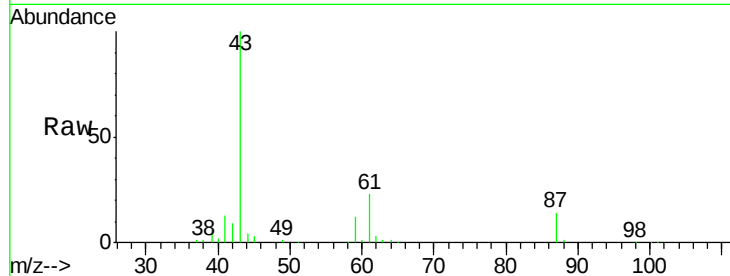
#43
Isopropyl Acetate
Concen: 19.796 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

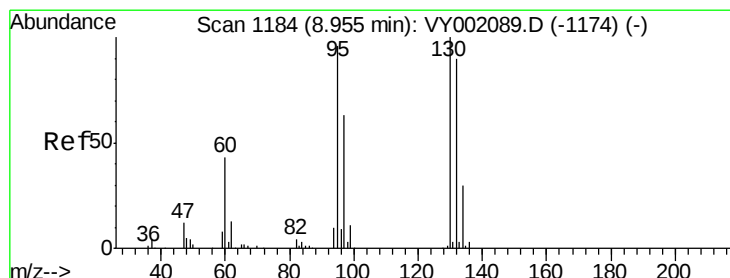
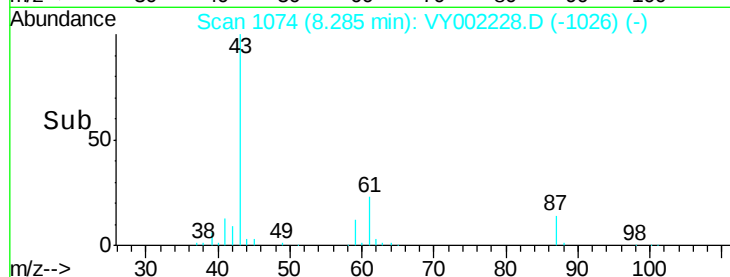
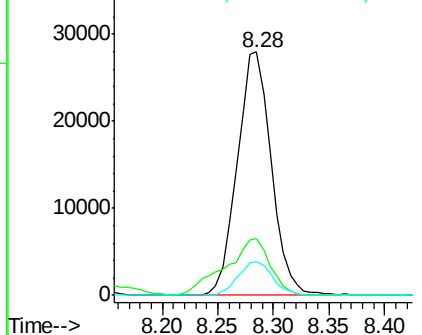
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.4	35.2
87	14.0	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM

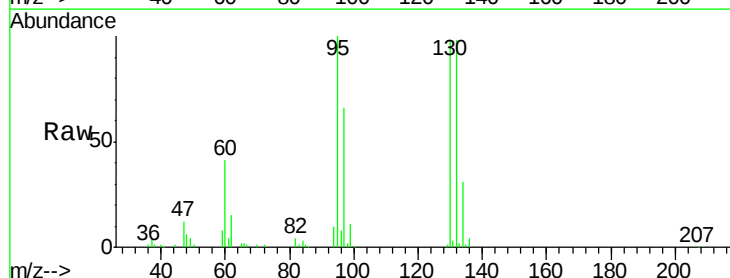


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

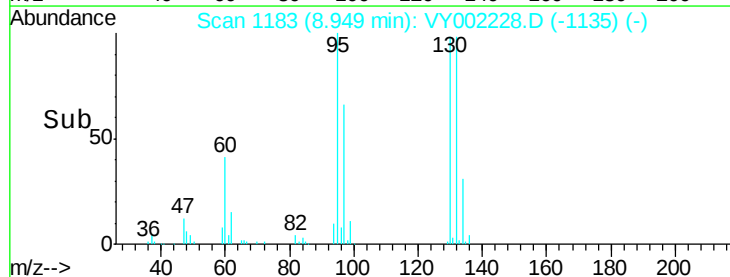
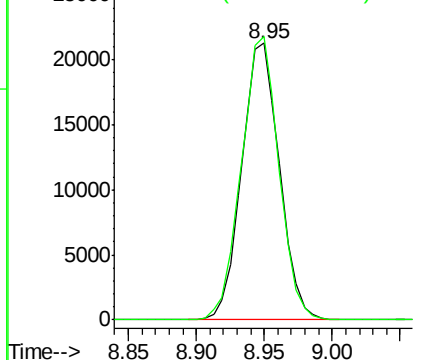


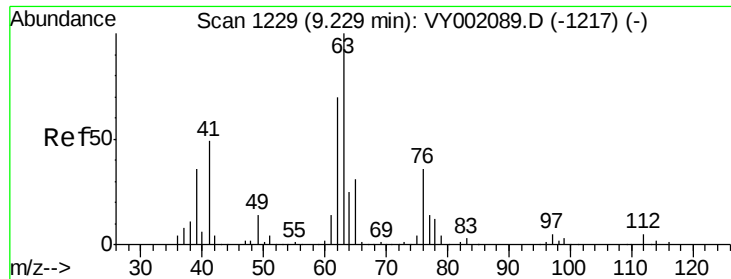
#44
Trichloroethene
Concen: 21.516 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 21.135 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 63 Resp: 42840

Ion Ratio Lower Upper

63 100

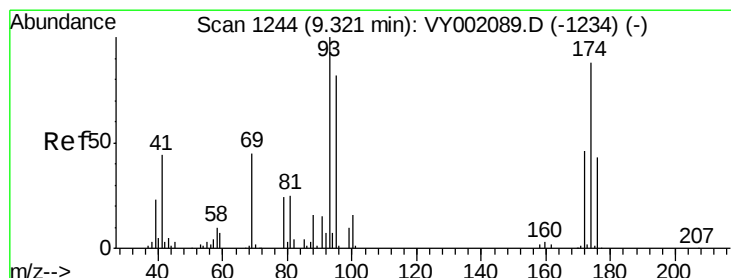
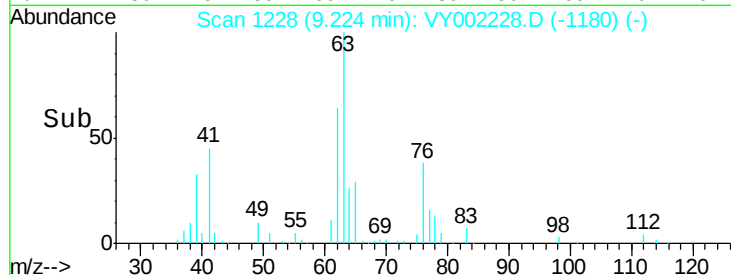
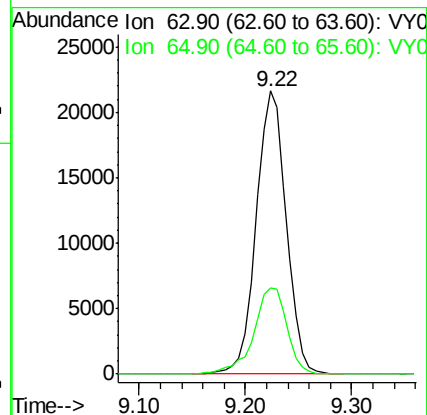
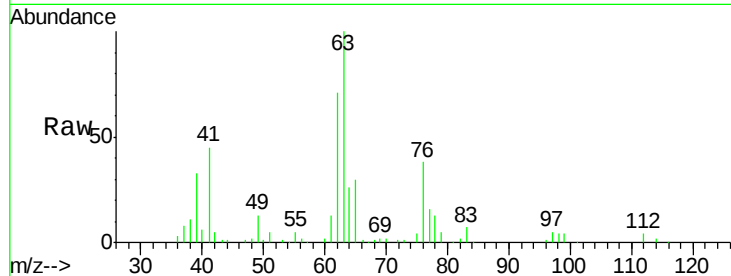
65 30.4 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

4/7/2020 7:06:19 PM



#46

Dibromomethane

Concen: 21.184 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

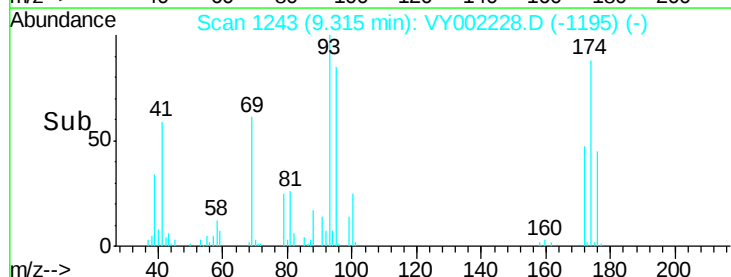
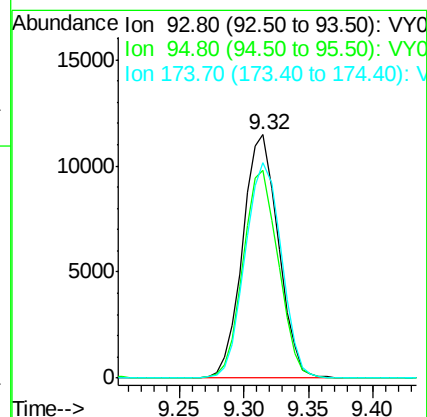
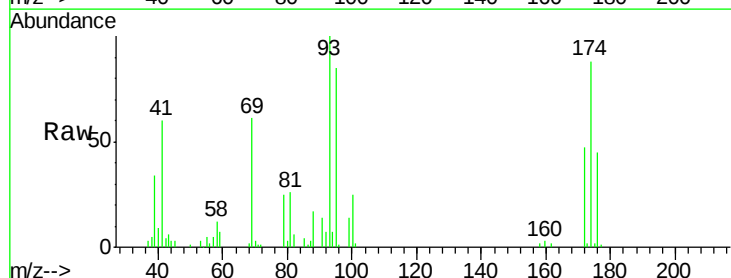
Tgt Ion: 93 Resp: 22052

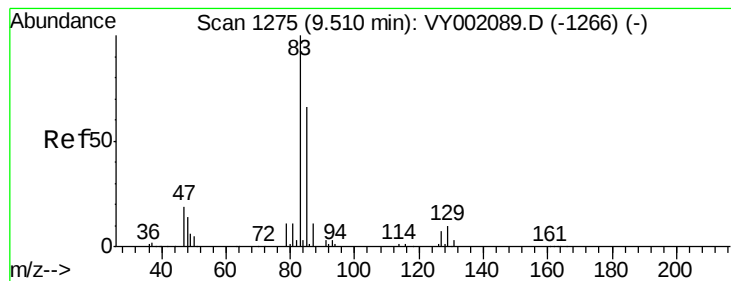
Ion Ratio Lower Upper

93 100

95 84.3 66.0 99.0

174 90.0 69.8 104.8





#47

Bromodichloromethane

Concen: 21.450 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

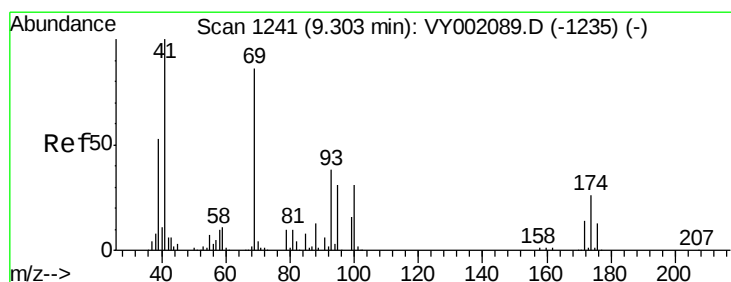
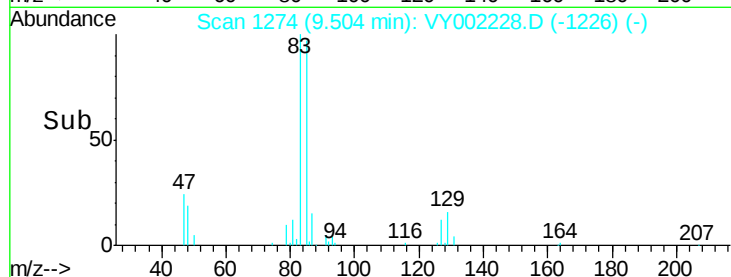
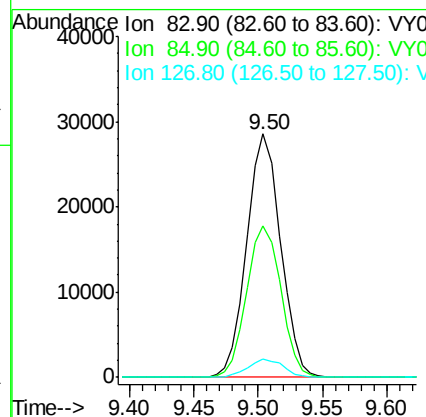
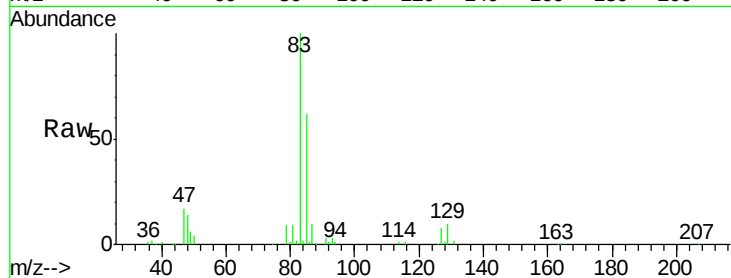
ClientSampleId :

VY0406SBS01

Tot Ion:	83	Resp:	51979
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	79.0
127	7.8	5.9	8.9

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#48

Methyl methacrylate

Concen: 20.741 ug/l

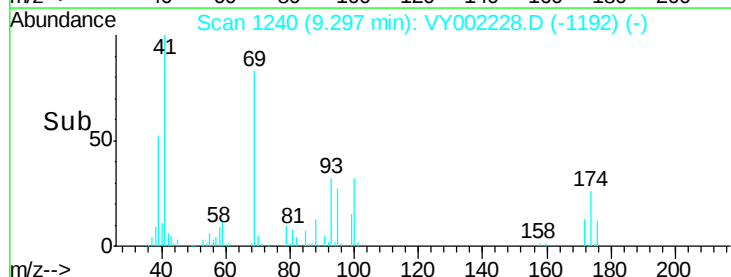
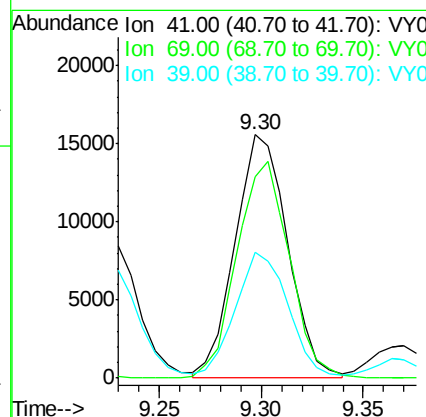
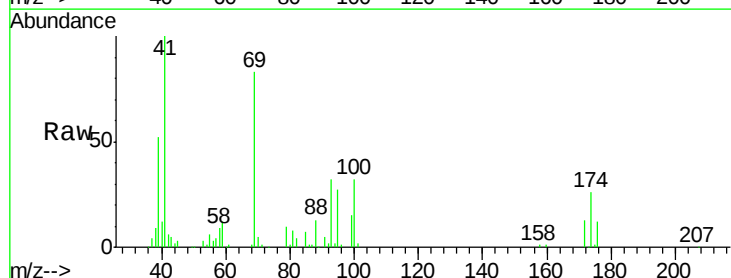
RT: 9.30 min Scan# 1240

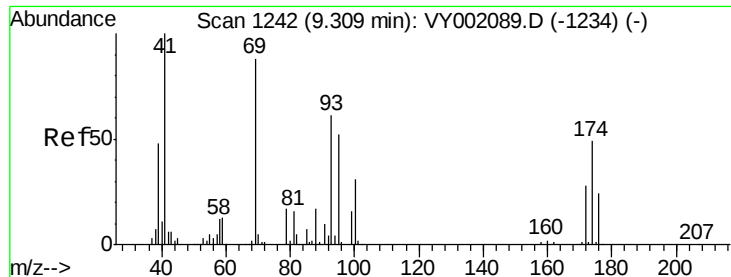
Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	41	Resp:	28017
Ion	Ratio	Lower	Upper
41	100		
69	88.6	71.4	107.0
39	52.2	41.0	61.4





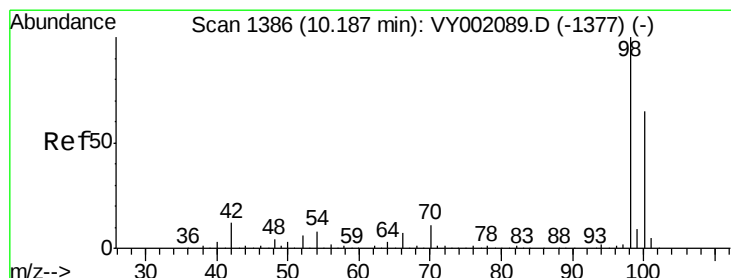
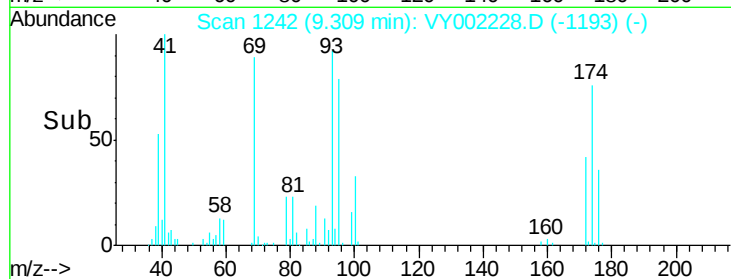
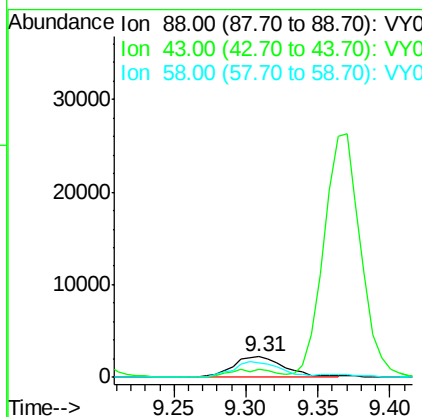
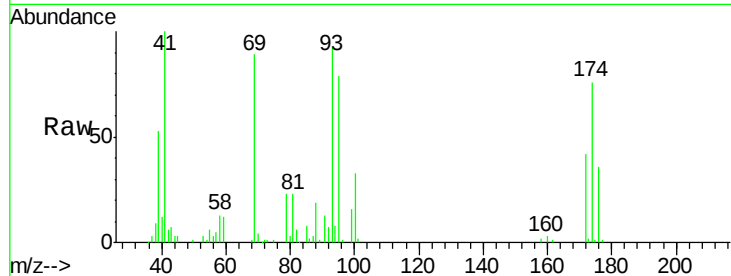
#49
1,4-Dioxane
Concen: 393.718 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.2	40.8
58	69.2	59.8	89.8

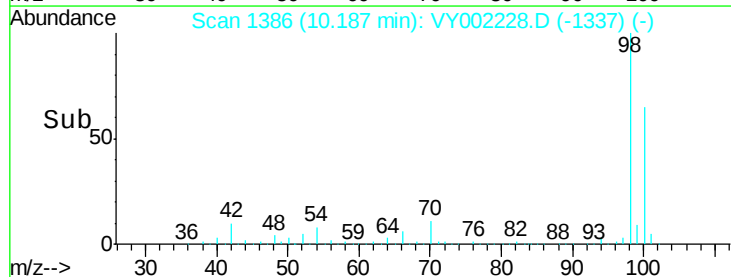
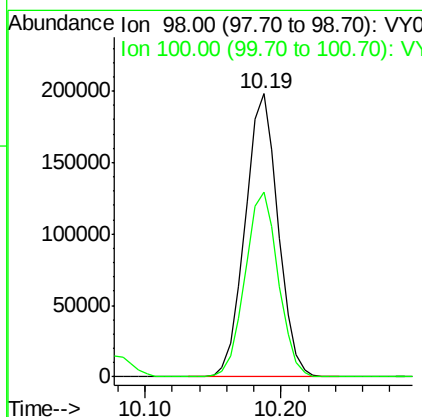
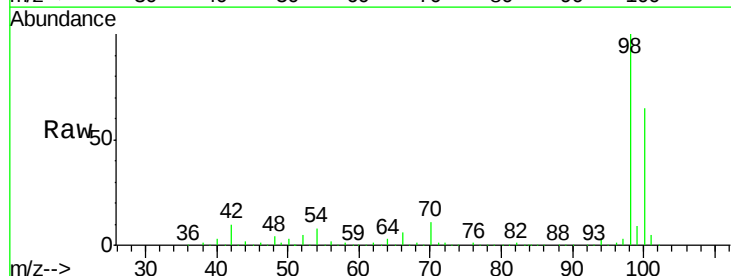
Manual Integrations
APPROVED

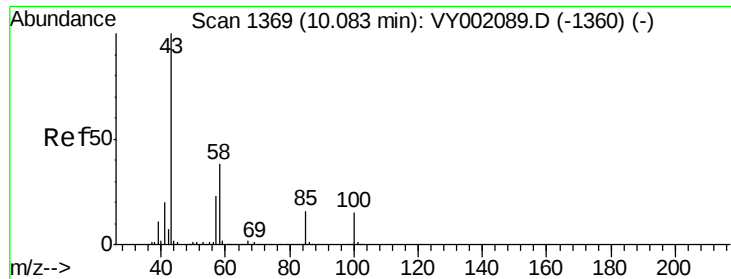
MMDadoda
4/7/2020 7:06:19 PM



#50
Toluene-d8
Concen: 50.747 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.6	77.4





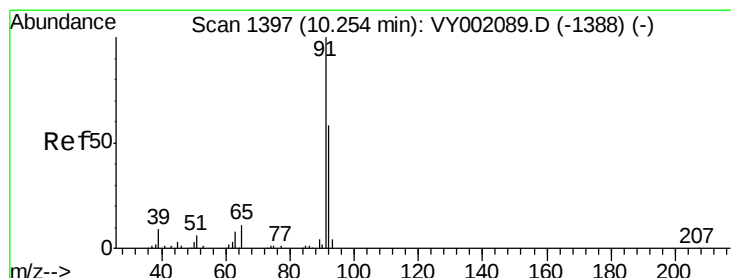
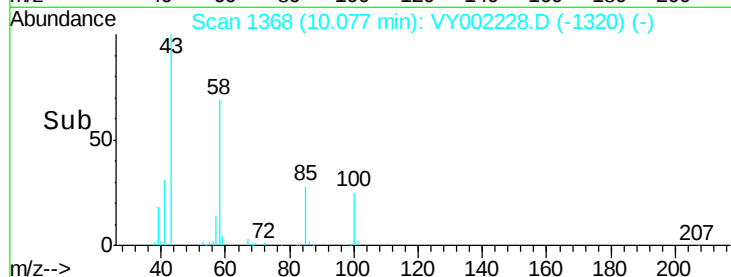
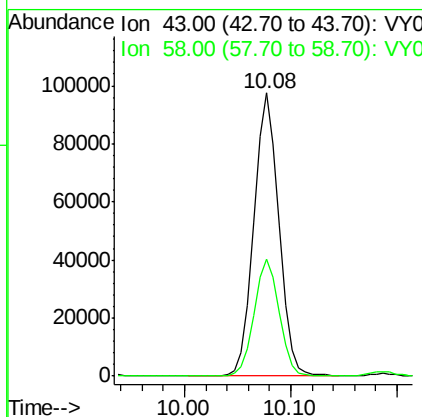
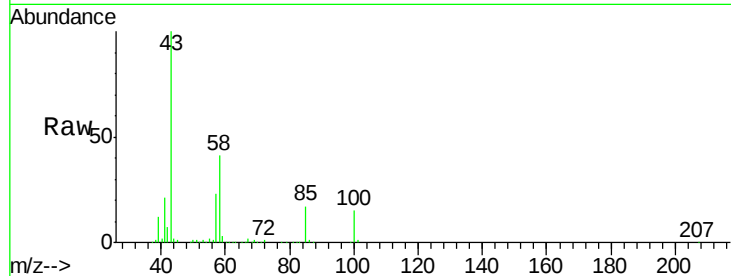
#51
4-Methyl-2-Pentanone
Concen: 103.537 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion: 43 Resp: 160700
Ion Ratio Lower Upper
43 100
58 41.3 31.6 47.4

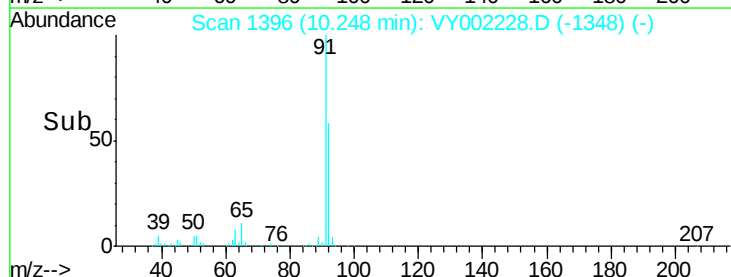
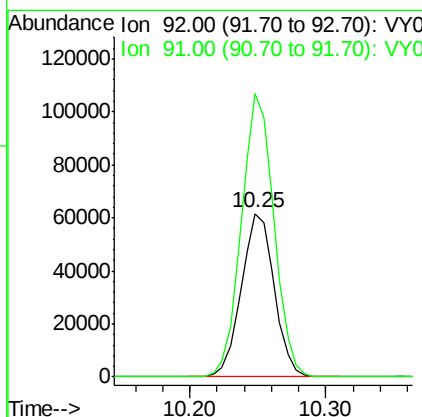
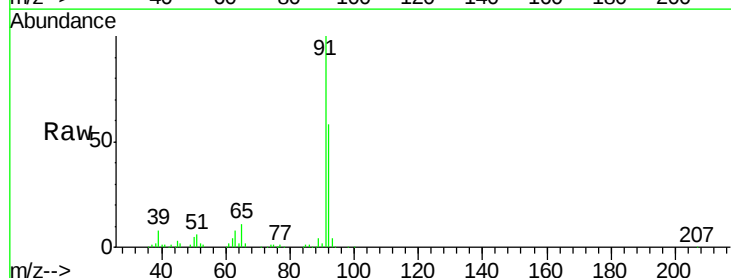
Manual Integrations
APPROVED

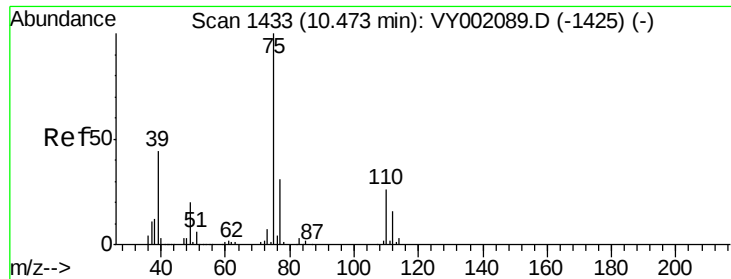
MMDadoda
4/7/2020 7:06:19 PM



#52
Toluene
Concen: 21.570 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion: 92 Resp: 103857
Ion Ratio Lower Upper
92 100
91 171.6 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 21.120 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 75 Resp: 56805

Ion Ratio Lower Upper

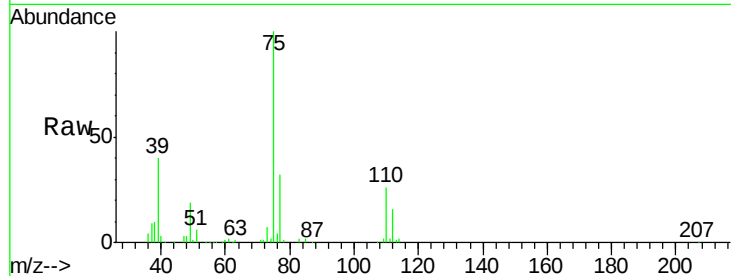
75 100

77 32.4 25.2 37.8

Manual Integrations
APPROVED

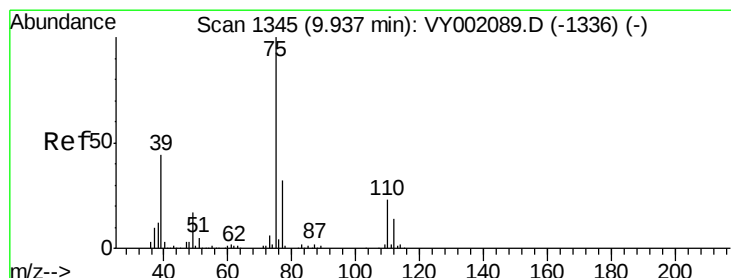
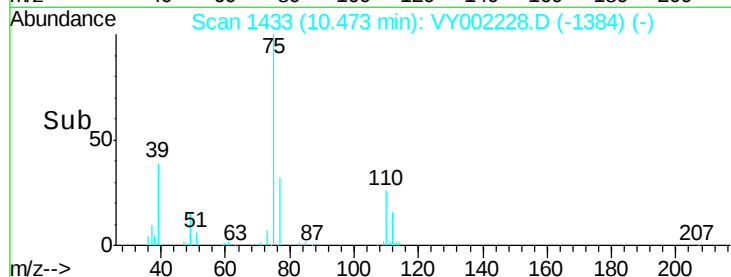
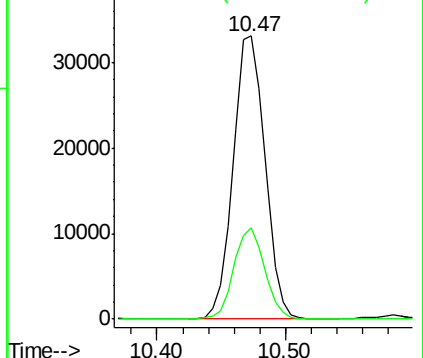
MMDadoda

4/7/2020 7:06:19 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 21.170 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

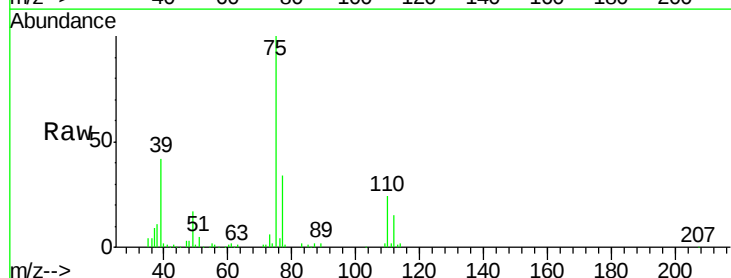
Tgt Ion: 75 Resp: 67041

Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4

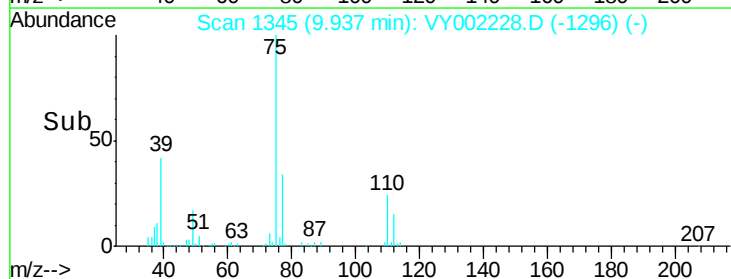
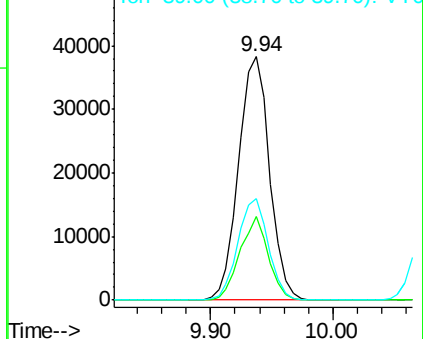
39 41.7 35.2 52.8

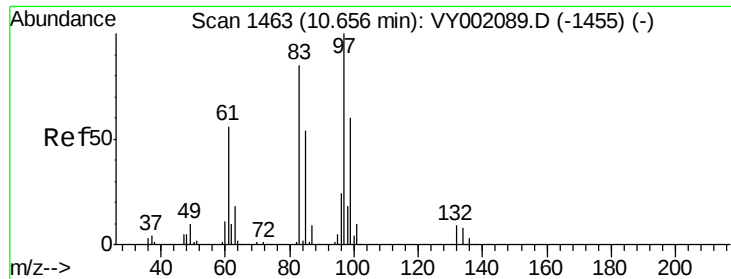


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





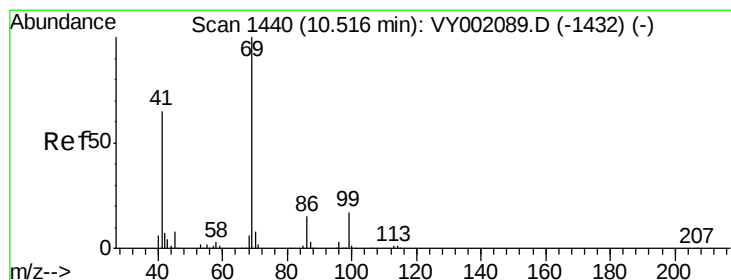
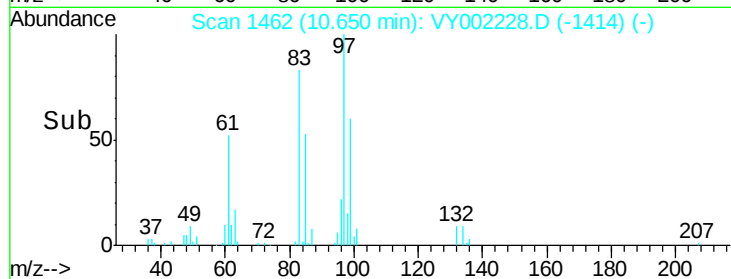
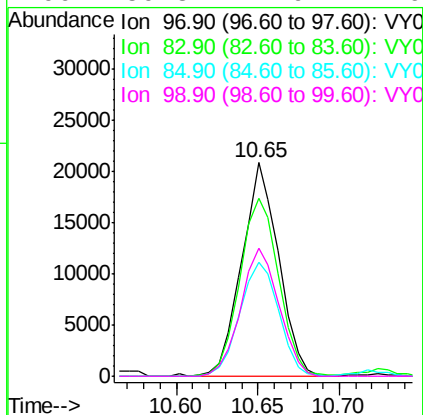
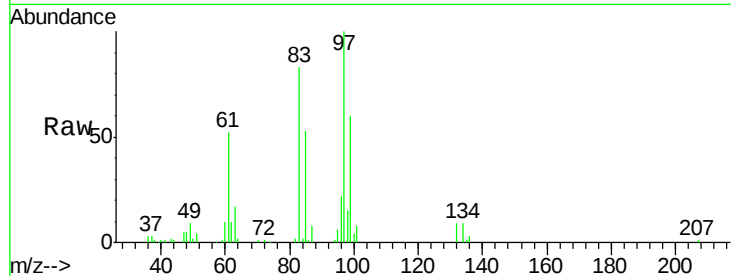
#55
 1,1,2-Trichloroethane
 Concen: 21.318 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion:	97	Resp:	32844
Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.2	102.2
85	53.4	42.9	64.3
99	59.8	47.9	71.9

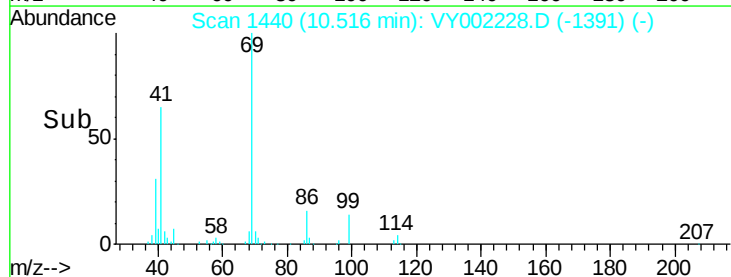
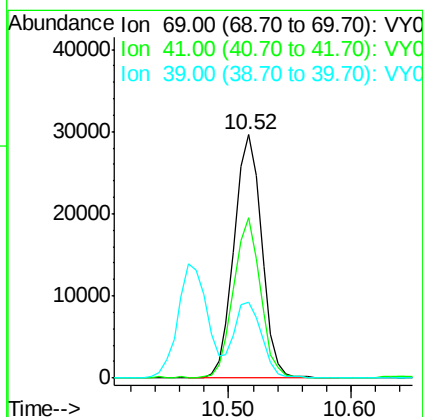
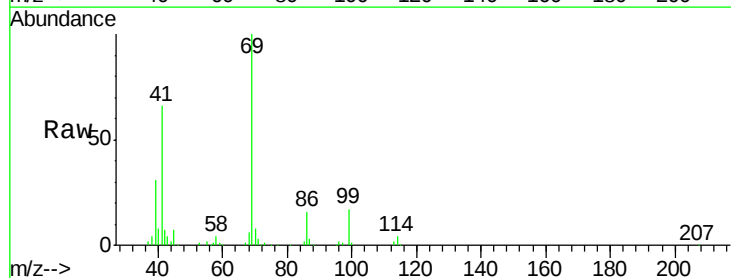
Manual Integrations
 APPROVED

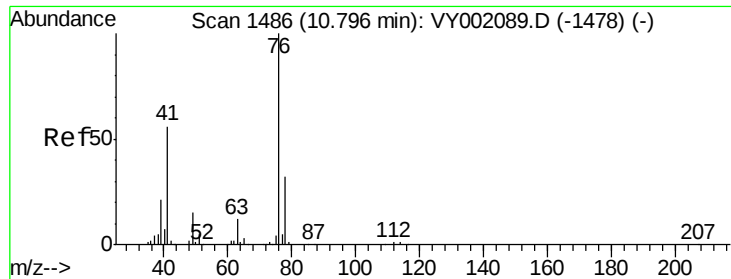
MMDadoda
 4/7/2020 7:06:19 PM



#56
 Ethyl methacrylate
 Concen: 20.539 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion:	69	Resp:	46217
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.8	79.2
39	32.4	25.0	37.6





#57

1,3-Dichloropropane

Concen: 21.422 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 76 Resp: 58312

Ion Ratio Lower Upper

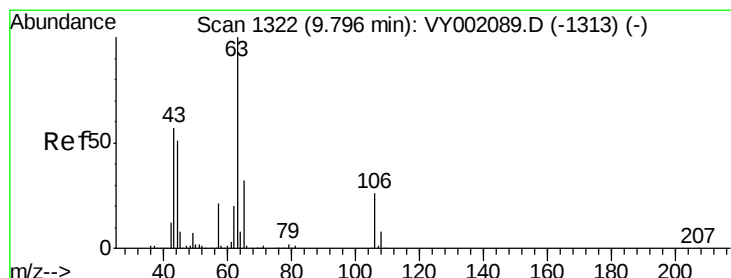
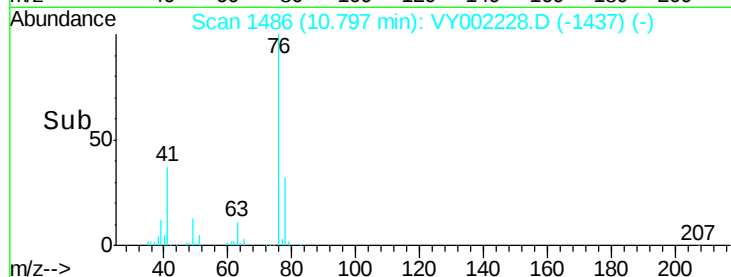
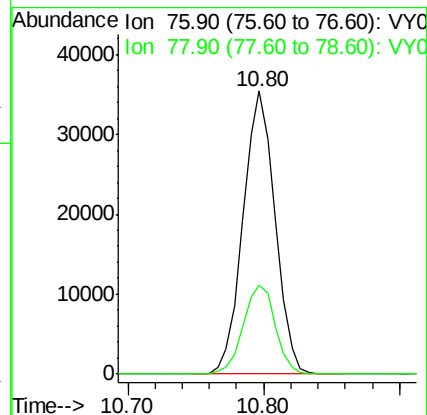
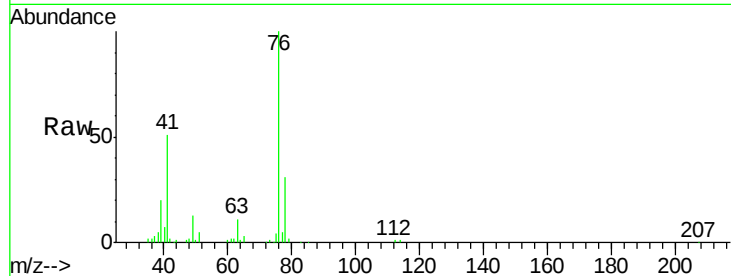
76 100

78 31.6 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/7/2020 7:06:19 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.020 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY002228.D

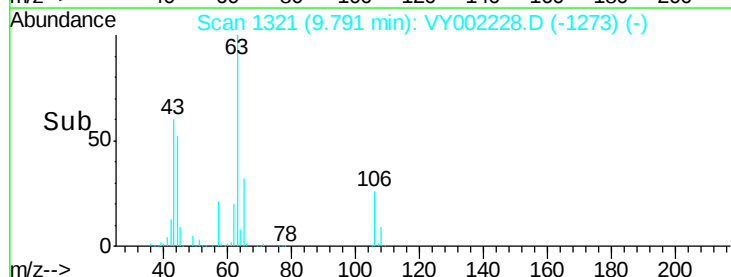
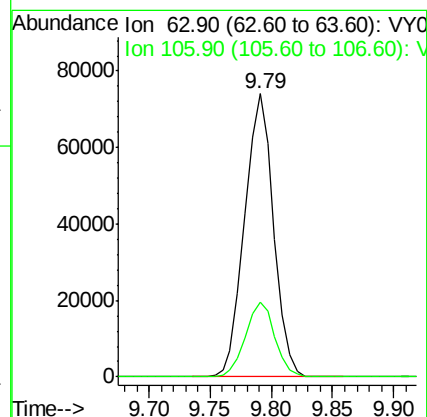
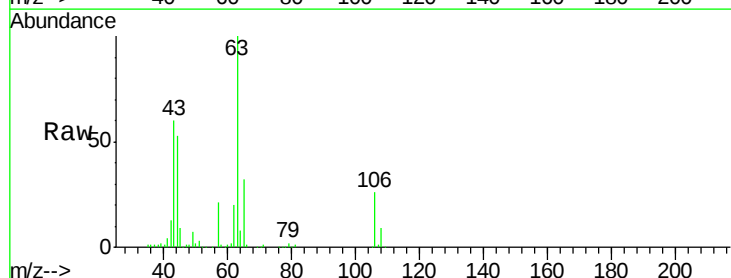
Acq: 06 Apr 2020 11:56

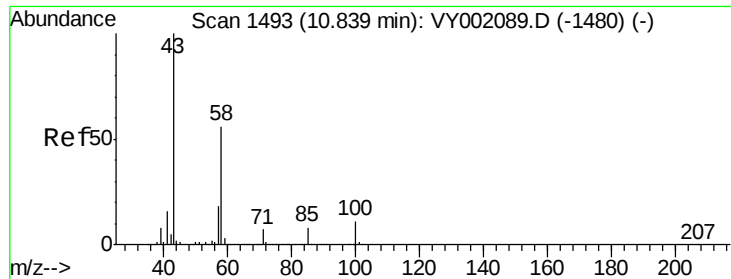
Tgt Ion: 63 Resp: 121431

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.4





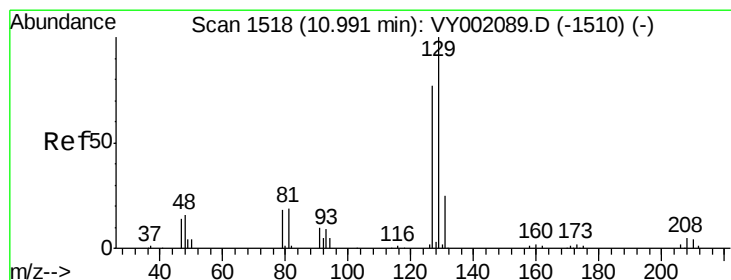
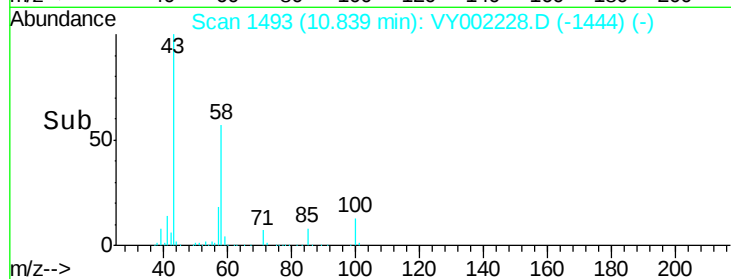
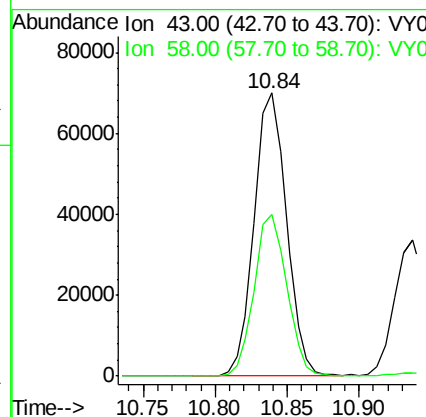
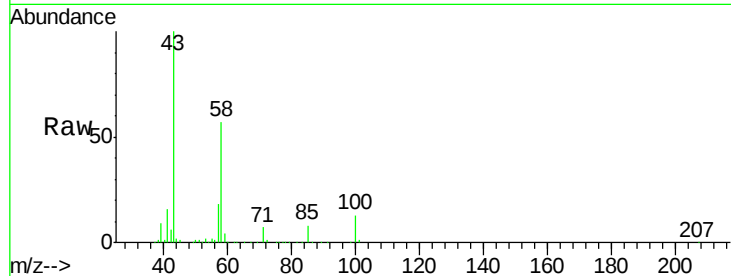
#59
2-Hexanone
Concen: 99.691 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	43	Resp	108995
Ion Ratio	43	100	
Lower	58	57.5	27.9
Upper			83.6

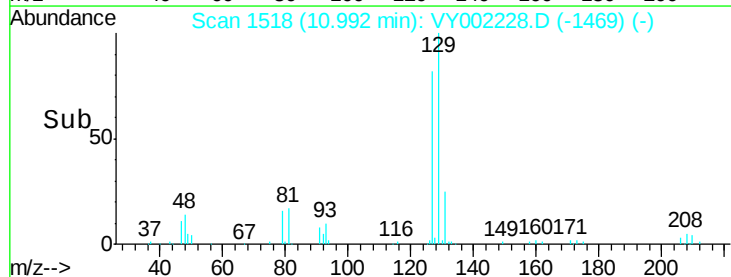
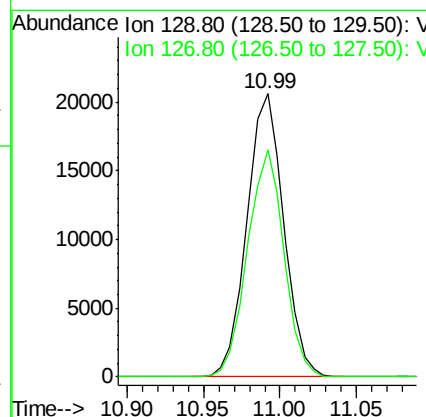
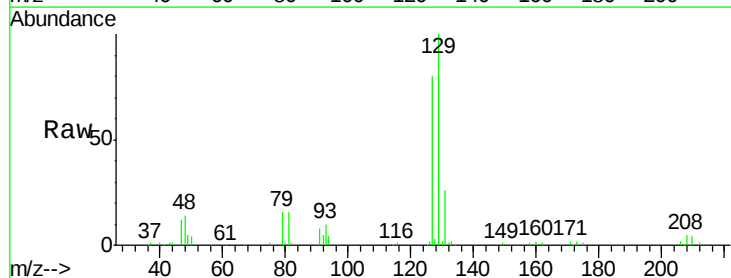
Manual Integrations
APPROVED

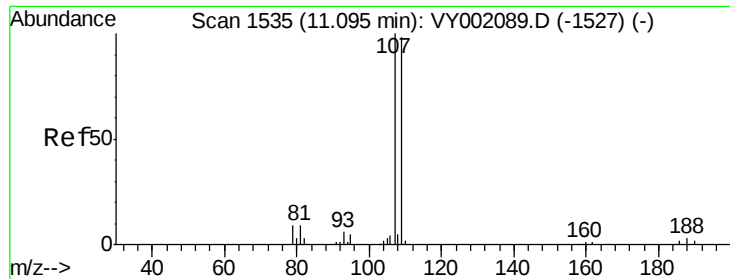
MMDadoda
4/7/2020 7:06:19 PM



#60
Dibromochloromethane
Concen: 21.378 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	129	Resp	34464
Ion Ratio	129	100	
Lower	127	78.9	38.7
Upper			116.1





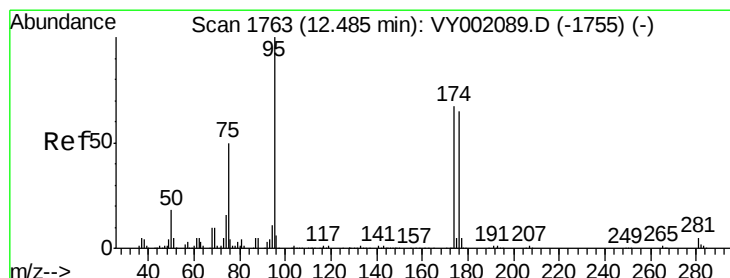
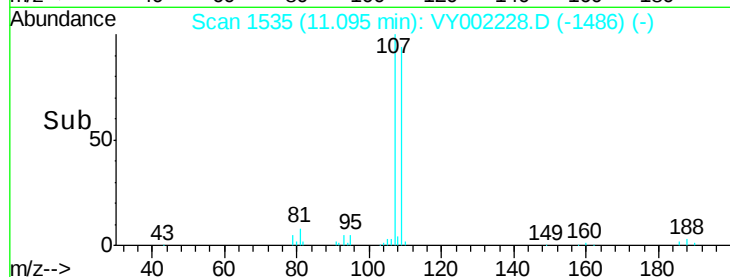
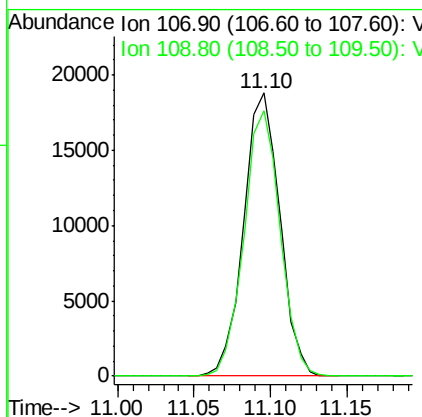
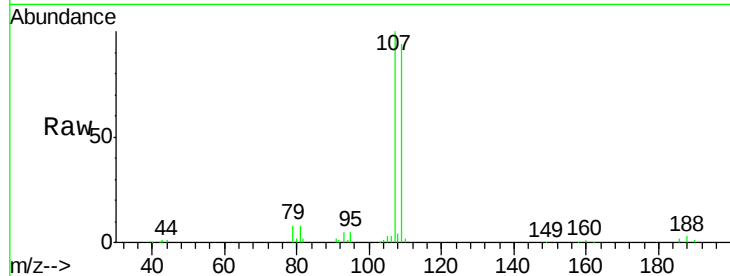
#61
 1,2-Dibromoethane
 Concen: 21.460 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.3	114.5

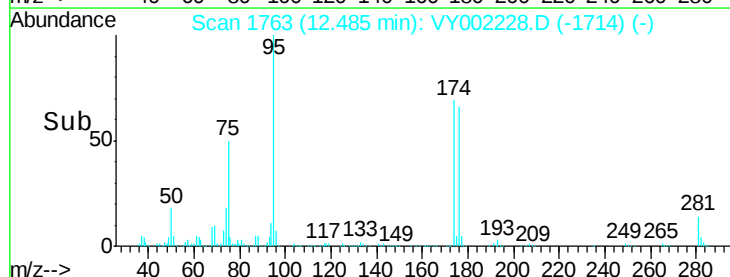
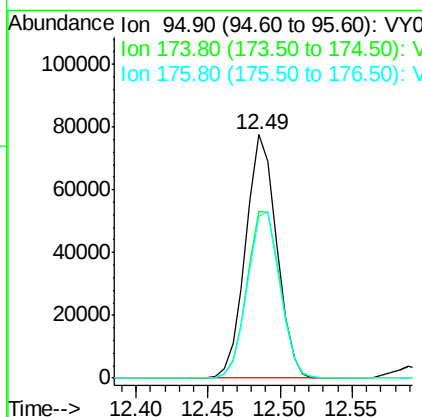
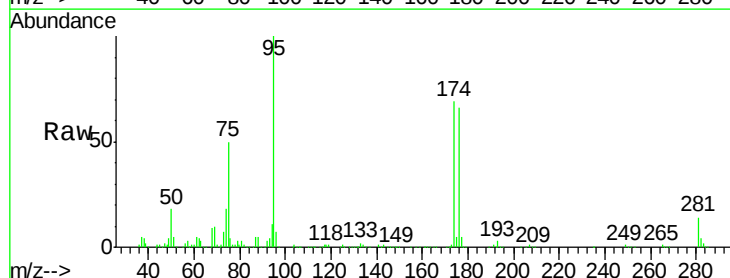
Manual Integrations
 APPROVED

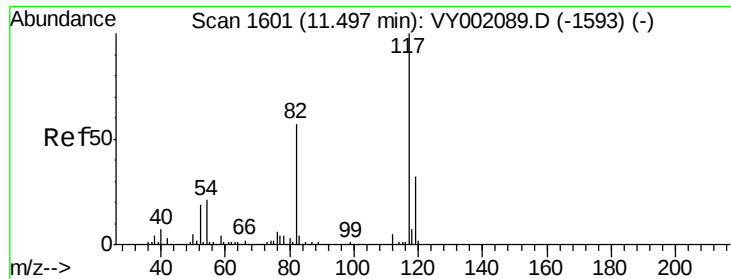
MMDadoda
 4/7/2020 7:06:19 PM



#62
 4-Bromofluorobenzene
 Concen: 49.948 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	143.4
176	71.4	0.0	137.0





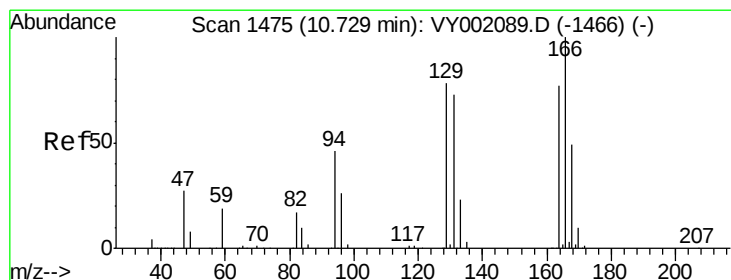
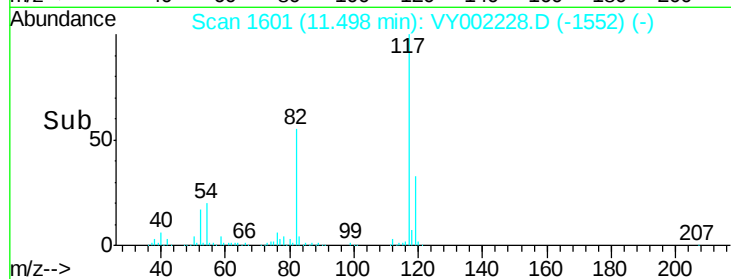
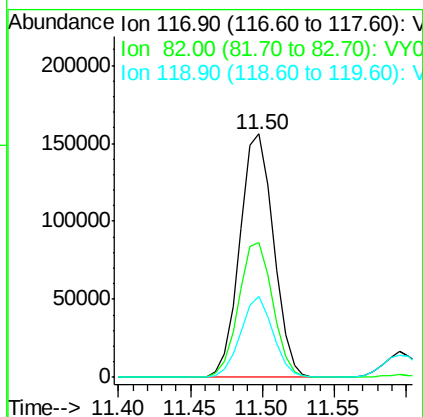
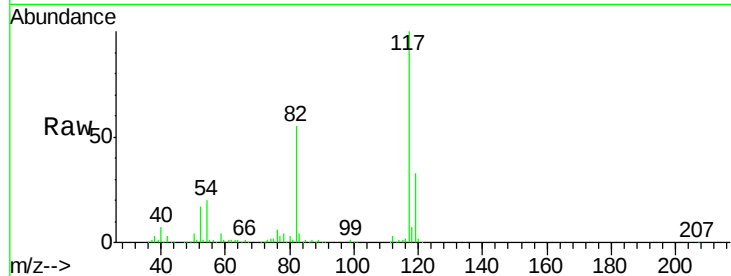
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254046		
82	55.3	45.4	68.2	
119	33.0	25.3	37.9	

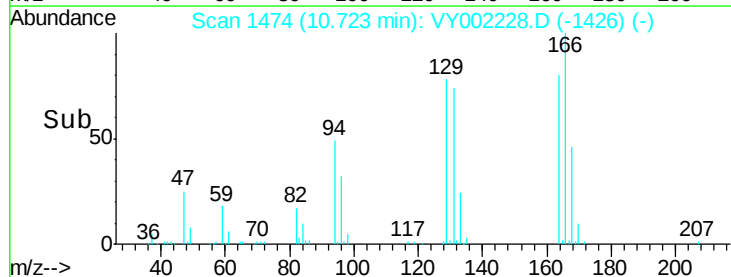
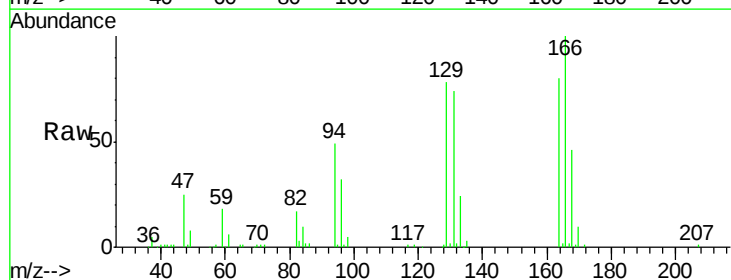
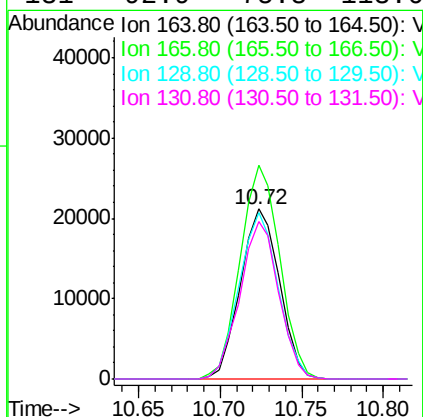
Manual Integrations
APPROVED

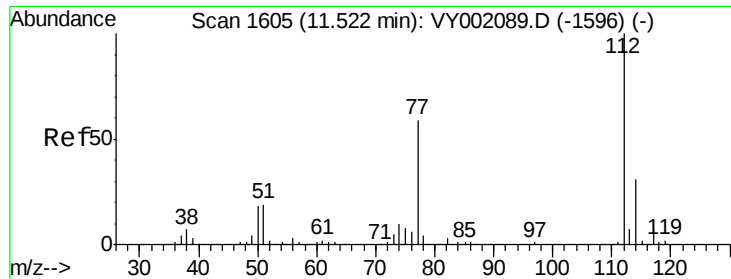
MMDadoda
4/7/2020 7:06:19 PM



#64
Tetrachloroethene
Concen: 22.811 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35455		
166	125.6	104.0	156.0	
129	98.0	81.2	121.8	
131	92.9	75.8	113.6	





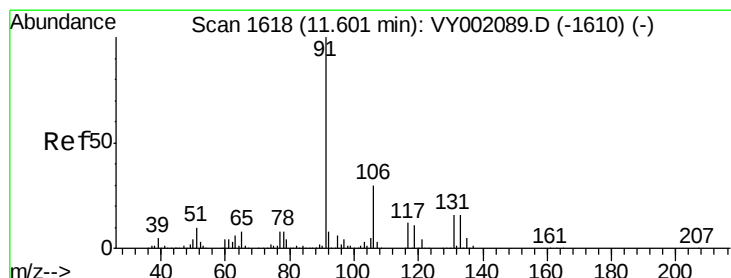
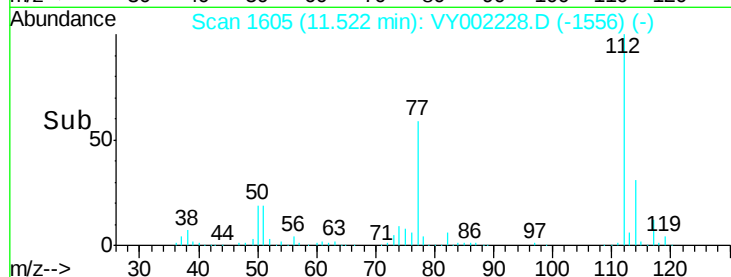
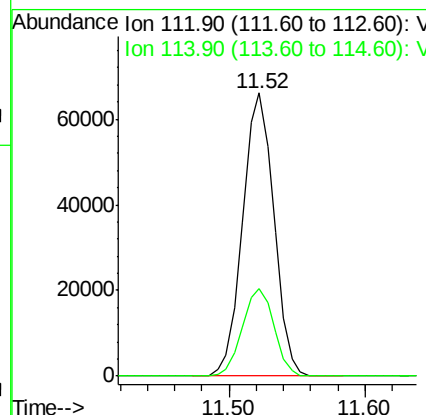
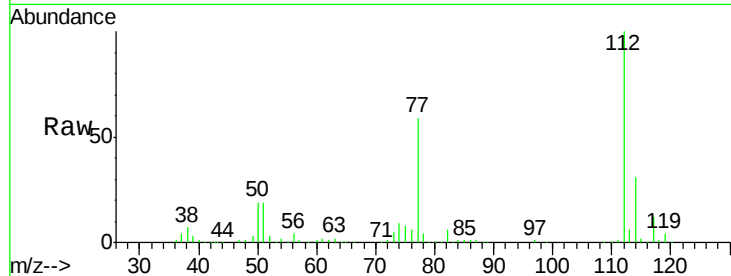
#65
Chlorobenzene
Concen: 21.631 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion:112 Resp: 106076
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3

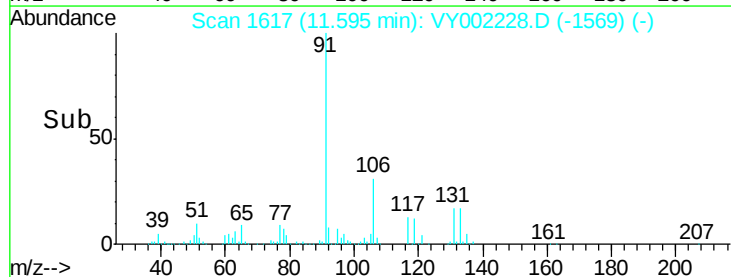
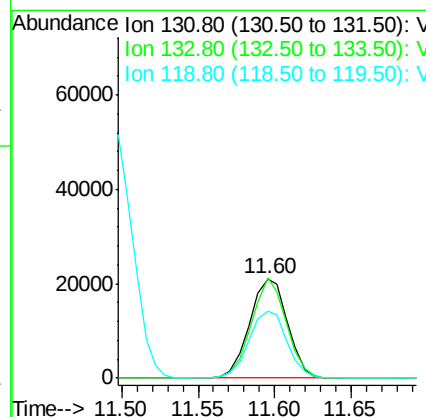
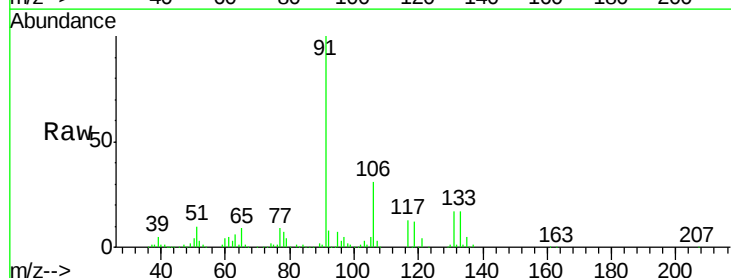
Manual Integrations
APPROVED

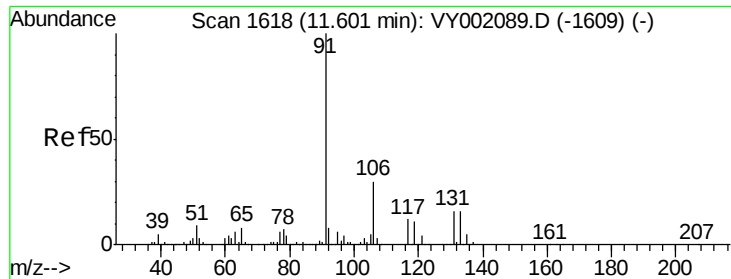
MMDadoda
4/7/2020 7:06:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.046 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion:131 Resp: 36169
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.5
119 68.0 34.6 103.9





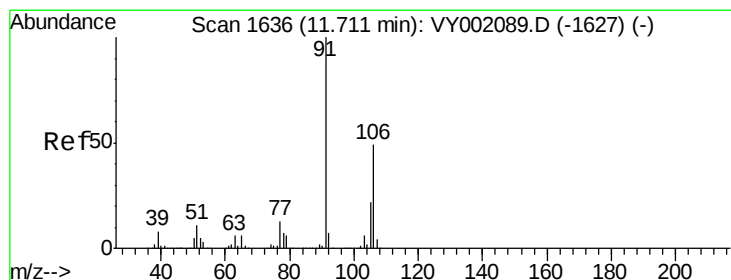
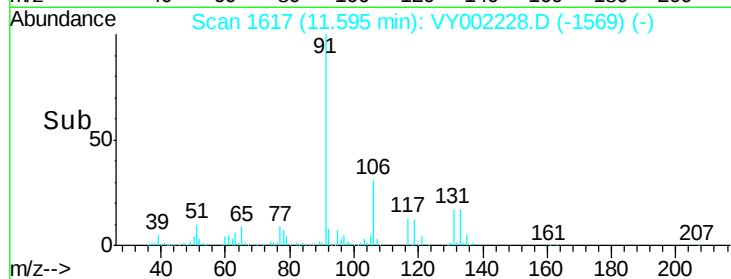
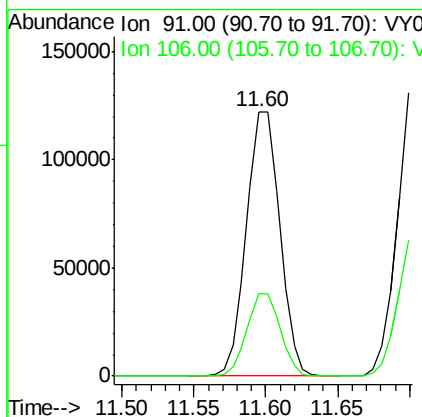
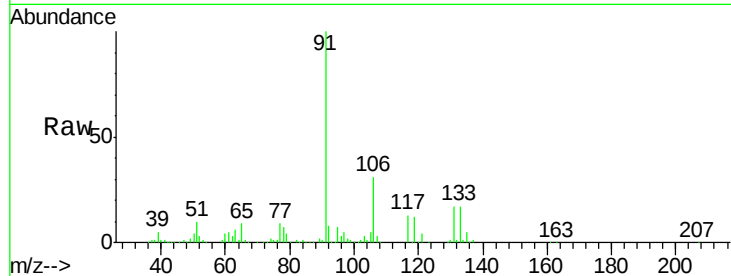
#67
Ethyl Benzene
Concen: 21.519 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion: 91 Resp: 195995
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

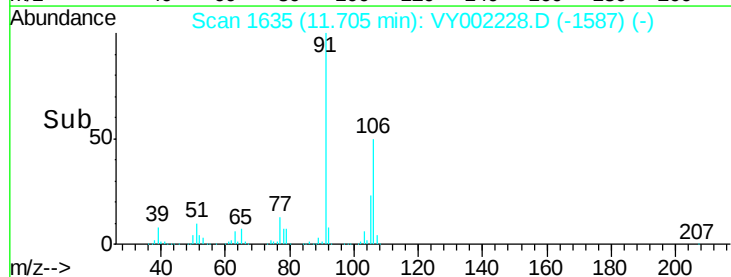
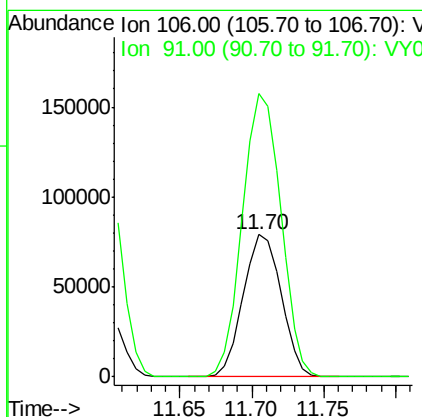
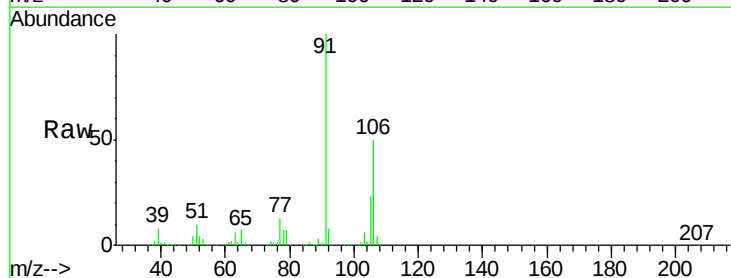
Manual Integrations
APPROVED

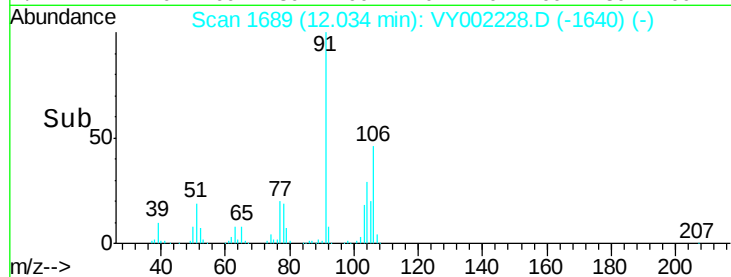
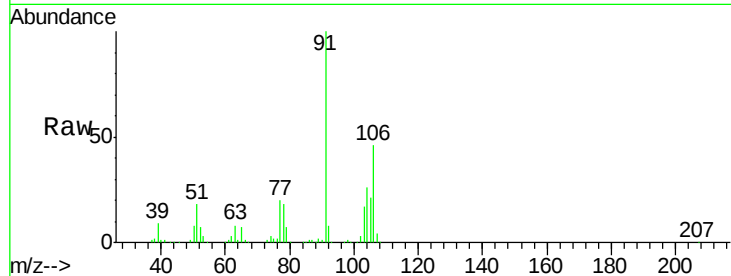
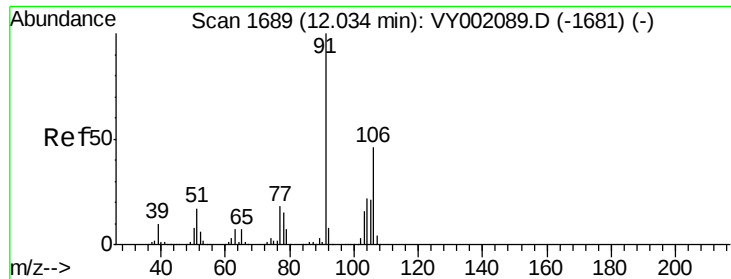
MMDadoda
4/7/2020 7:06:19 PM



#68
m/p-Xylenes
Concen: 43.015 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion: 106 Resp: 144853
Ion Ratio Lower Upper
106 100
91 201.4 162.8 244.2





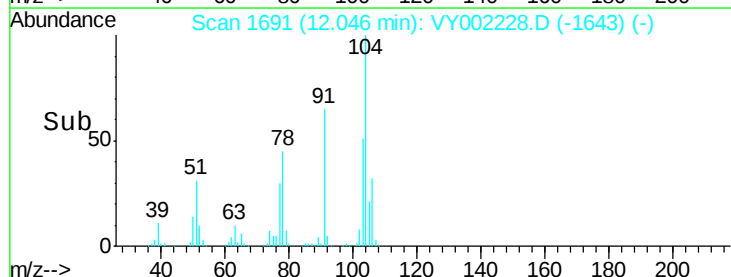
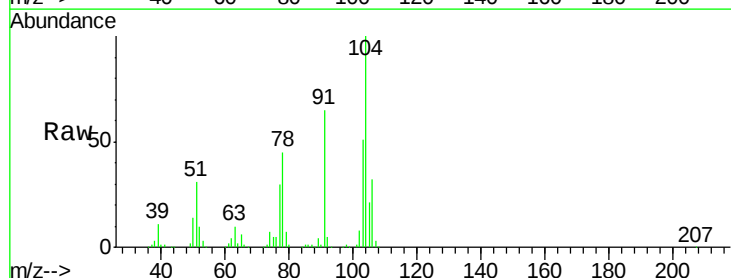
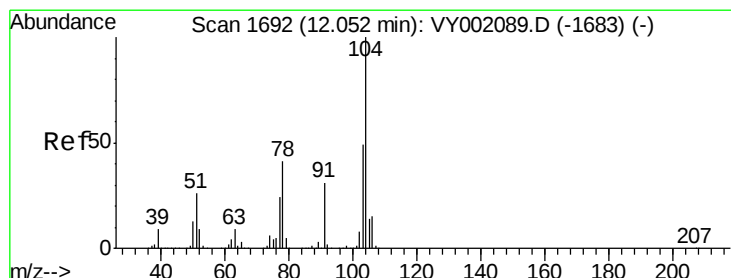
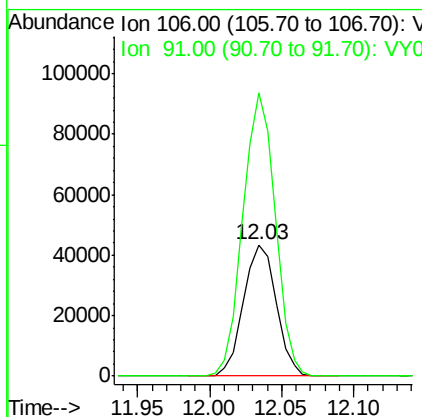
#69
o-Xylene
Concen: 21.411 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tot Ion: 106 Resp: 68396
Ion Ratio Lower Upper
106 100
91 212.4 107.3 321.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

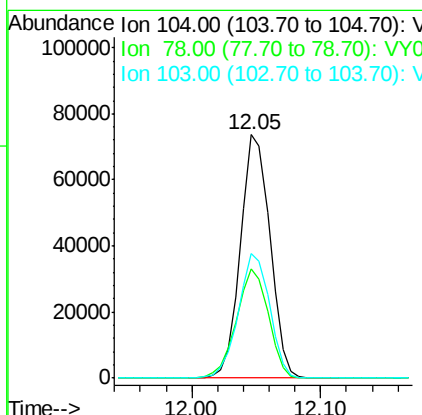
Manual Integrations
APPROVED

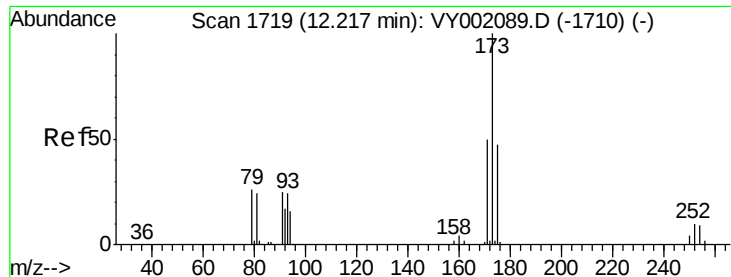
MMDadoda
4/7/2020 7:06:19 PM



#70
Styrene
Concen: 21.134 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion: 104 Resp: 116985
Ion Ratio Lower Upper
104 100
78 48.2 37.9 56.9
103 54.2 43.2 64.8





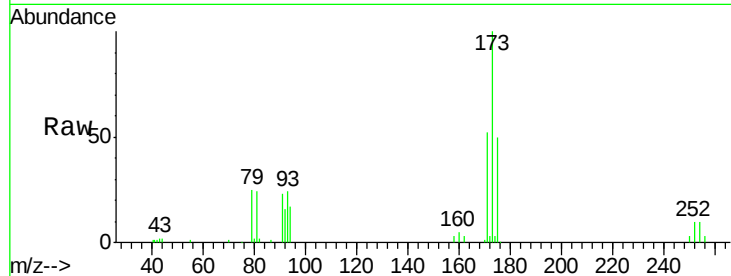
#71
Bromoform
Concen: 21.445 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM

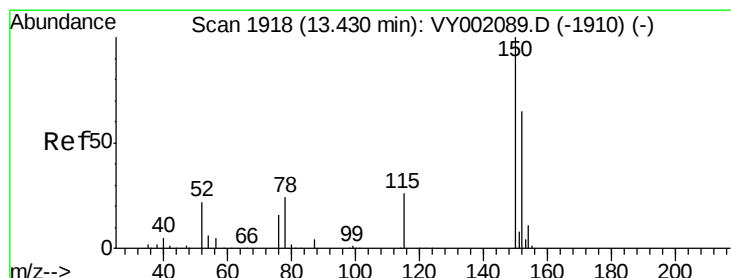
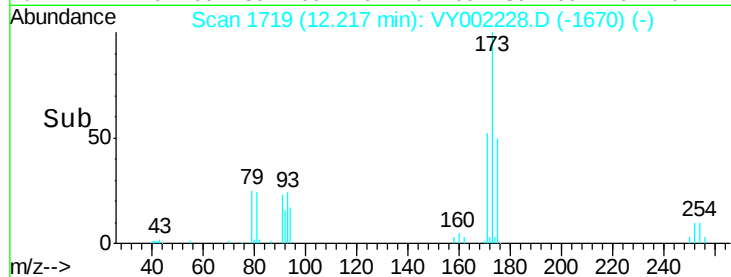
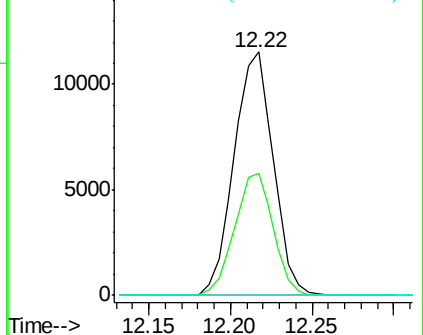


Abundance

Ion 172.70 (172.40 to 173.40): V

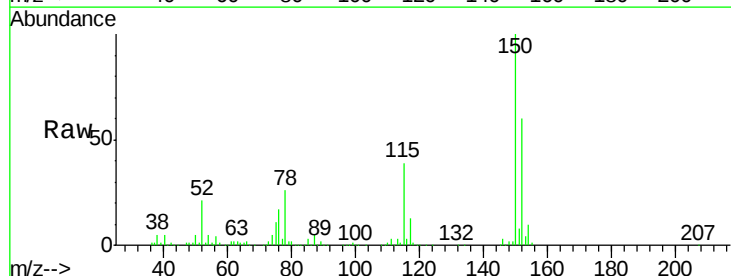
Ion 174.70 (174.40 to 175.40): V

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. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.2	93.6
150	167.2	0.0	354.8

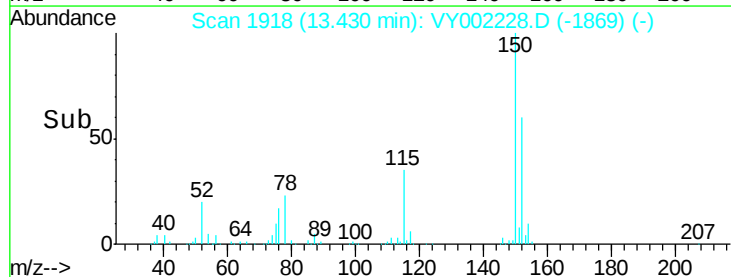
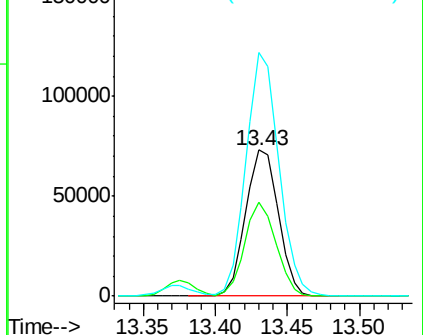


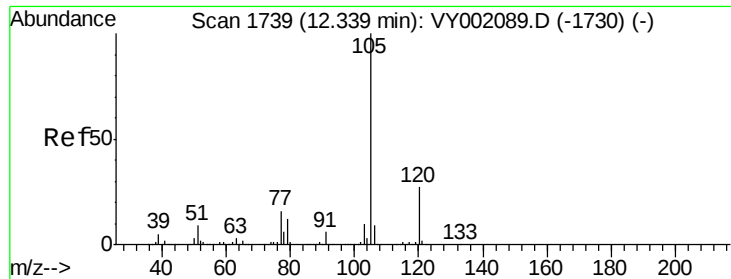
Abundance

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





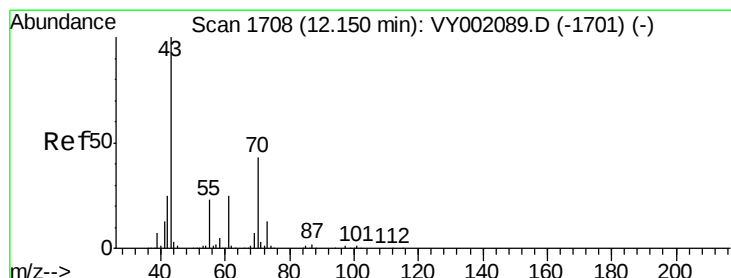
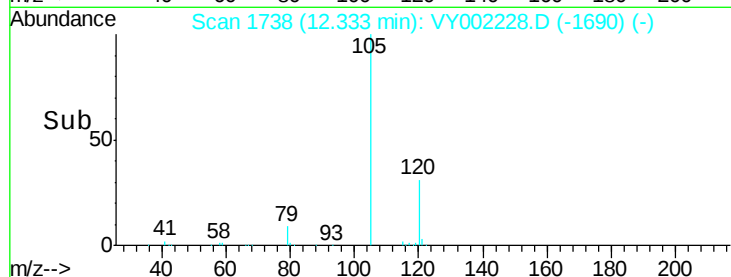
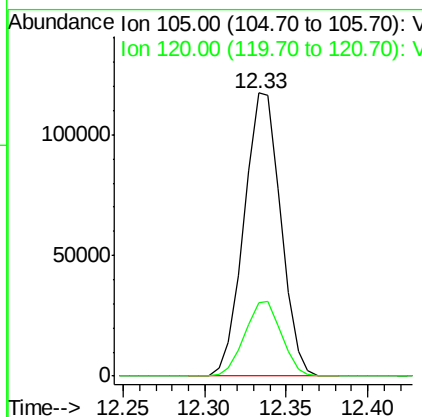
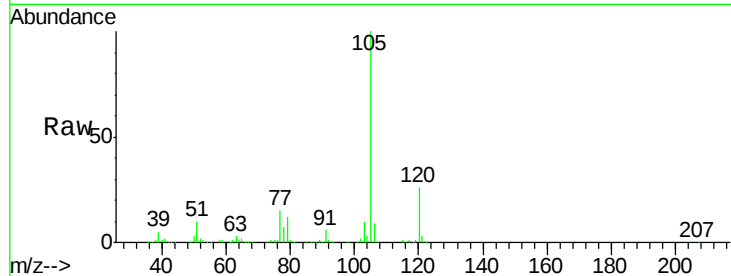
#73
Isopropylbenzene
Concen: 21.534 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	184093		
120	26.5	13.3	39.8	

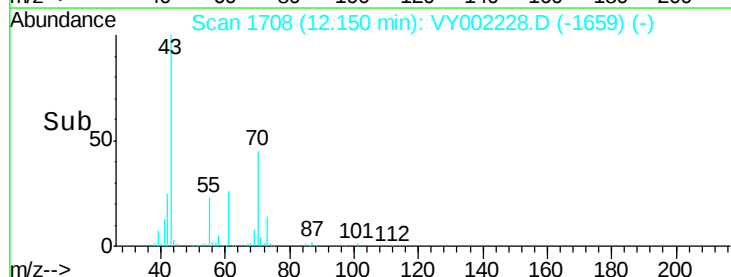
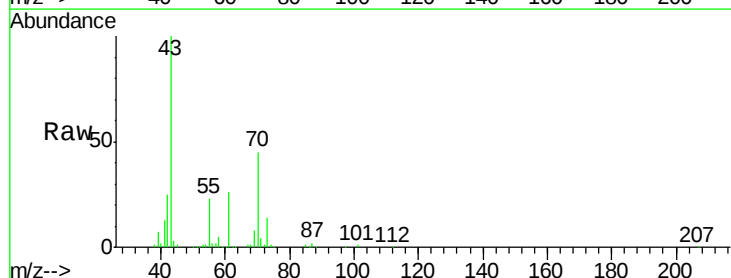
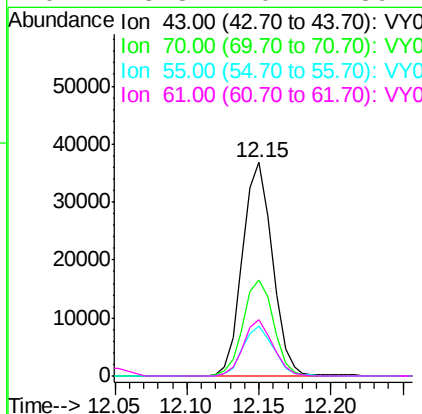
Manual Integrations
APPROVED

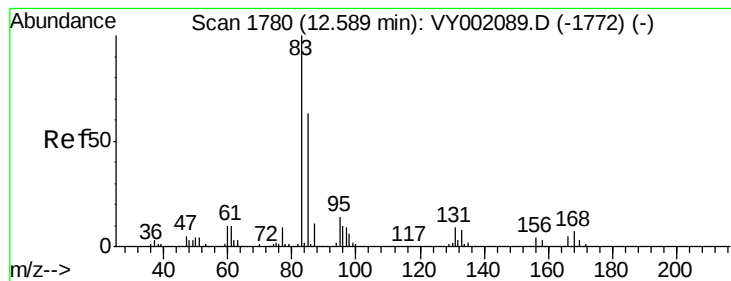
MMDadoda
4/7/2020 7:06:19 PM



#74
N-ethyl acetate
Concen: 19.757 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	53271		
70	45.5	35.0	52.4	
55	23.9	18.7	28.1	
61	25.8	20.2	30.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.632 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 83 Resp: 39796

Ion Ratio Lower Upper

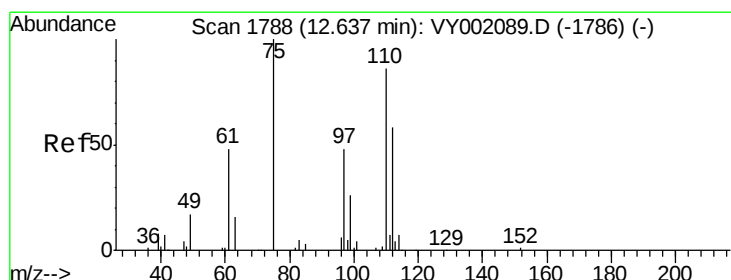
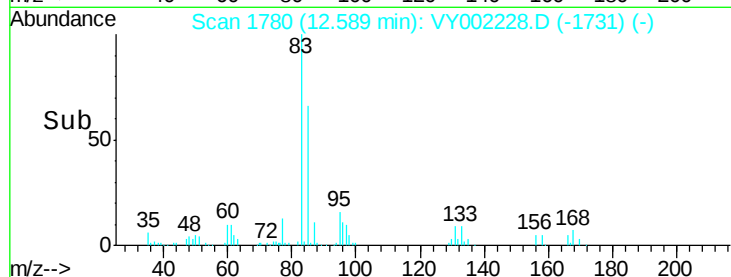
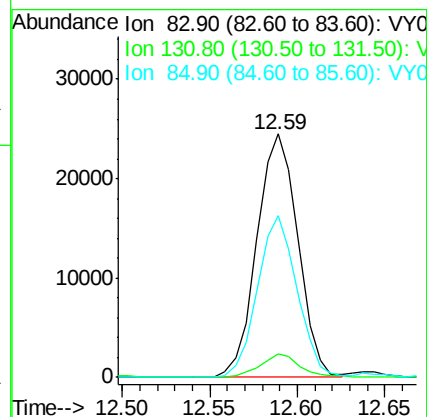
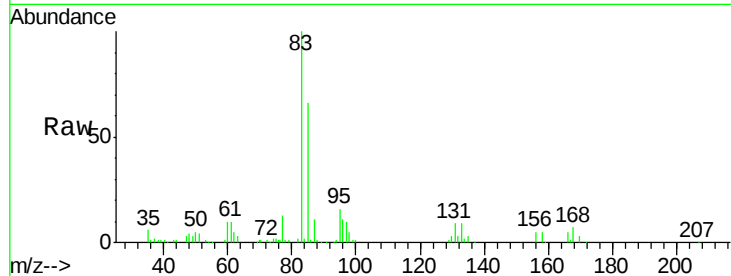
83 100

131 9.3 4.7 14.1

85 64.3 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#76

1,2,3-Trichloropropane

Concen: 22.005 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY002228.D

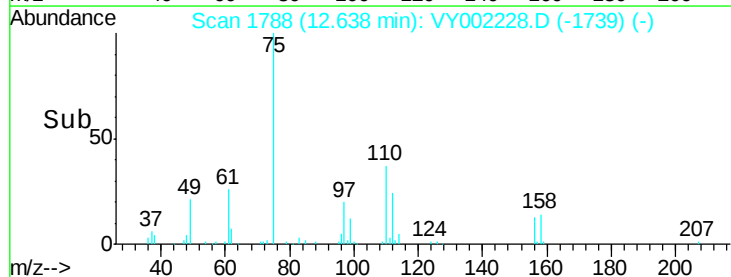
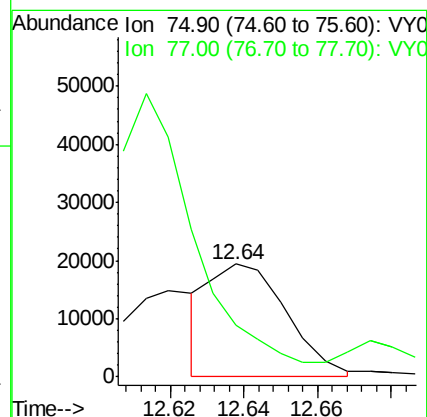
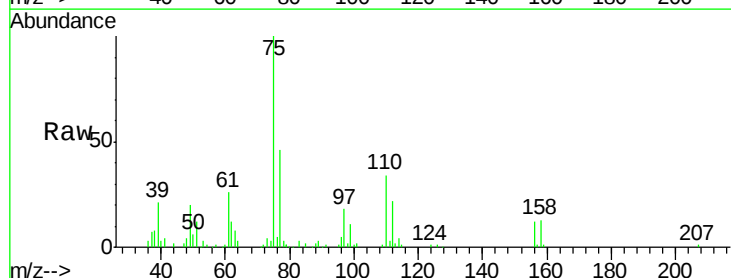
Acq: 06 Apr 2020 11:56

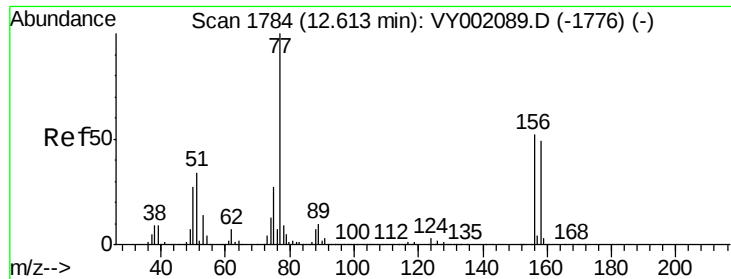
Tgt Ion: 75 Resp: 28367

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.550 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion:156 Resp: 39329

Ion Ratio Lower Upper

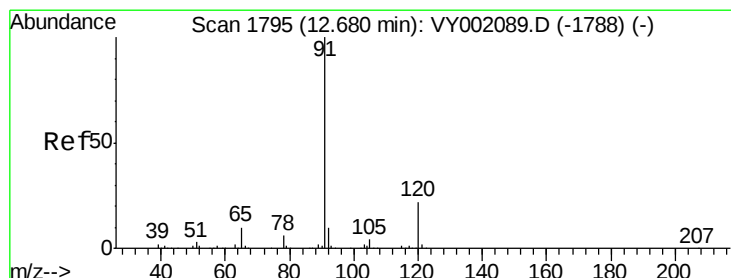
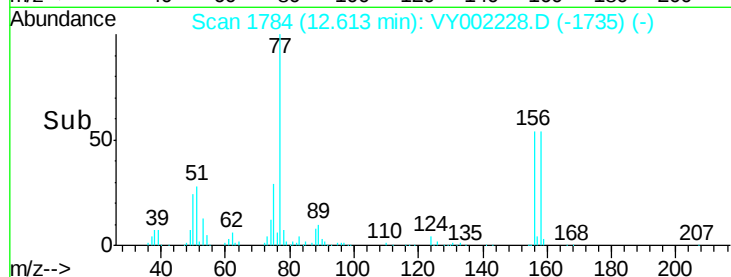
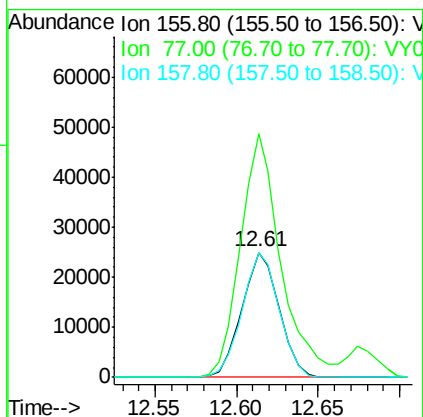
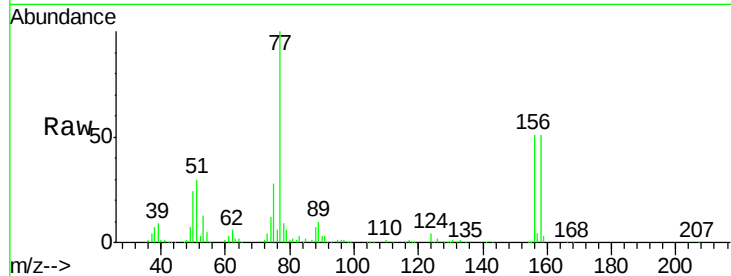
156 100

77 212.3 107.8 323.6

158 100.0 47.5 142.6

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#78

n-propylbenzene

Concen: 21.370 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002228.D

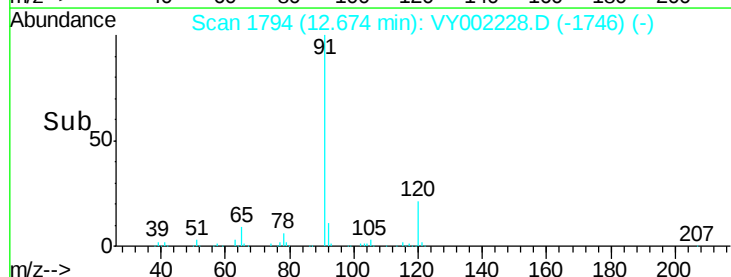
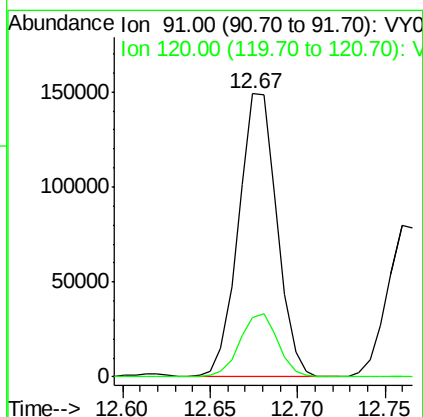
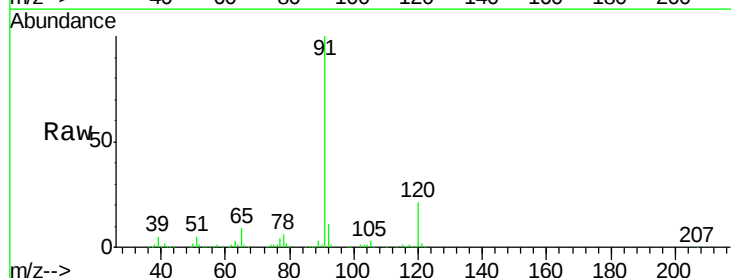
Acq: 06 Apr 2020 11:56

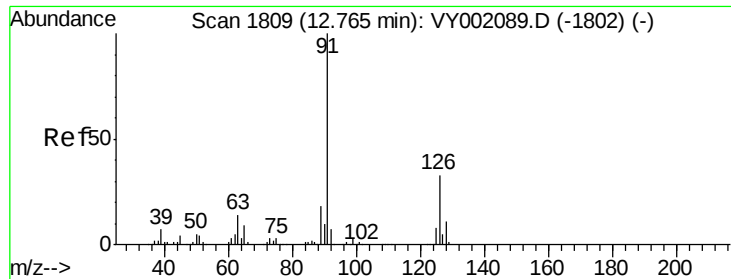
Tgt Ion: 91 Resp: 226717

Ion Ratio Lower Upper

91 100

120 22.1 11.1 33.1





#79

2-Chlorotoluene

Concen: 21.426 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

VY0406SBS01

Tot Ion: 91 Resp: 124805

Ion Ratio Lower Upper

91 100

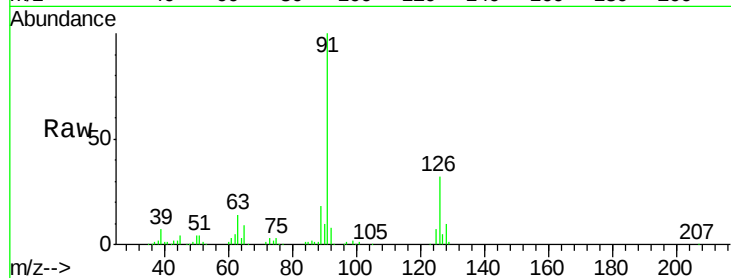
126 33.8 16.4 49.1

Manual Integrations

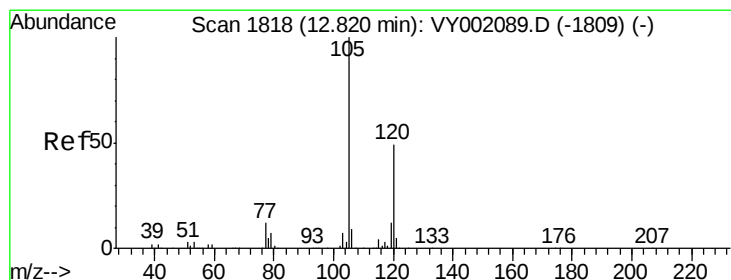
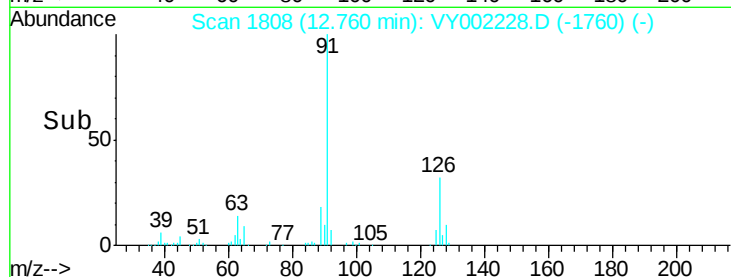
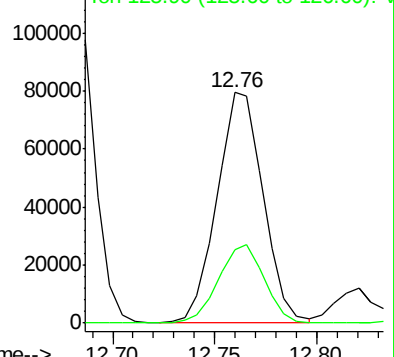
APPROVED

MMDadoda

4/7/2020 7:06:19 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.612 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002228.D

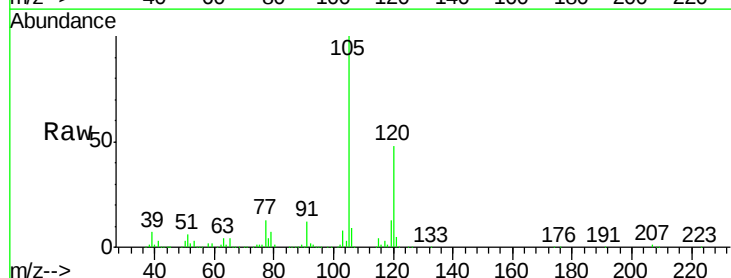
Acq: 06 Apr 2020 11:56

Tgt Ion: 105 Resp: 152433

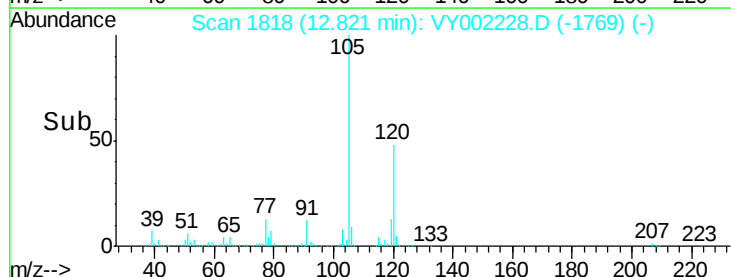
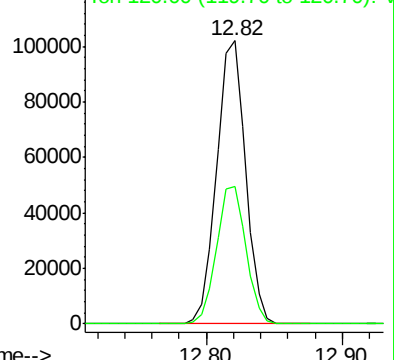
Ion Ratio Lower Upper

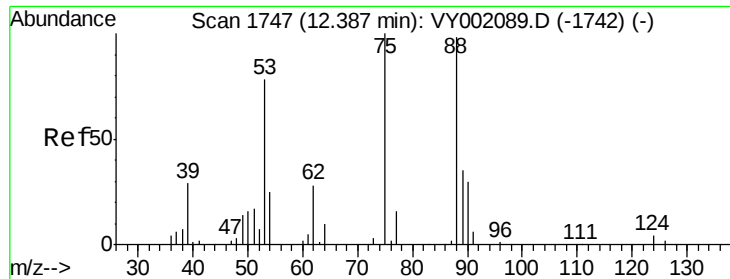
105 100

120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VY002089.D (-1809) (-)





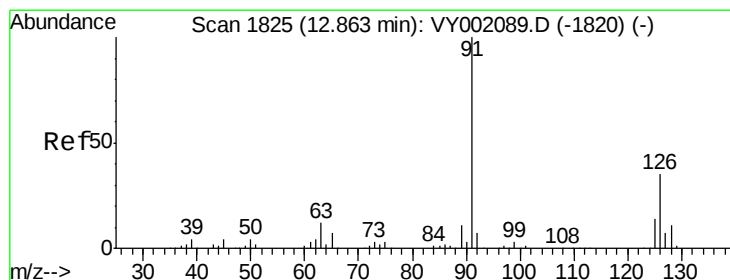
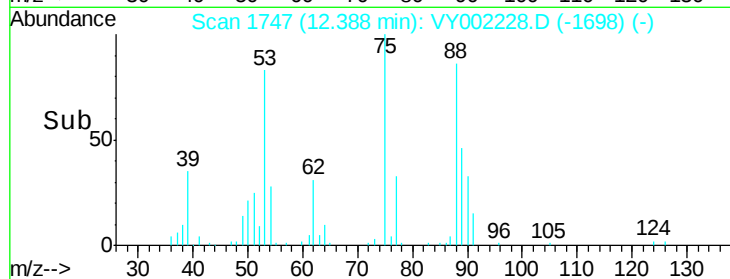
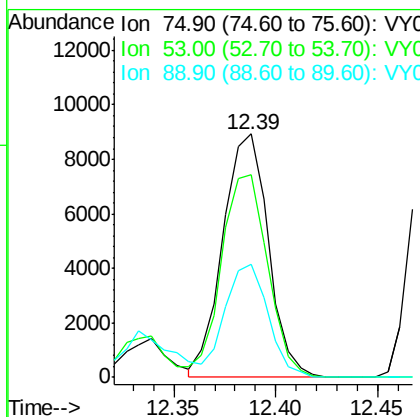
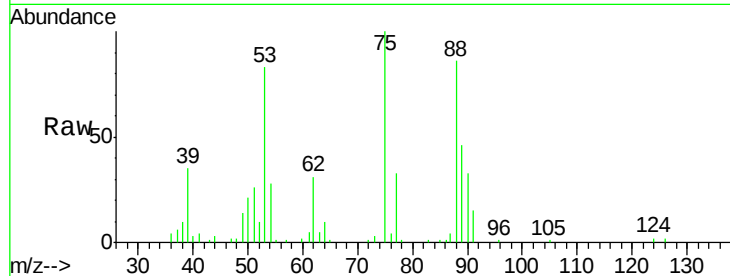
#81
trans-1,4-Dichloro-2-butene
Concen: 20.670 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.0	65.0	97.4
89	44.2	33.4	50.0

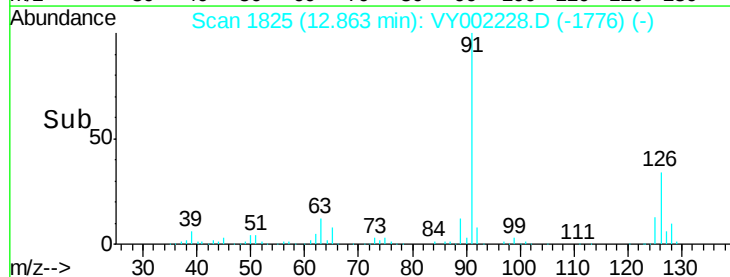
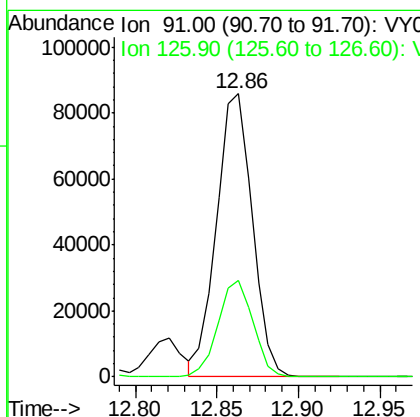
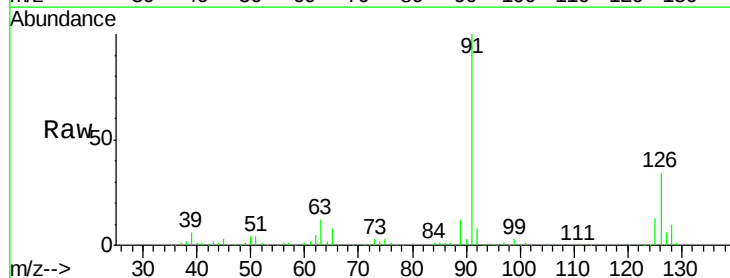
Manual Integrations
APPROVED

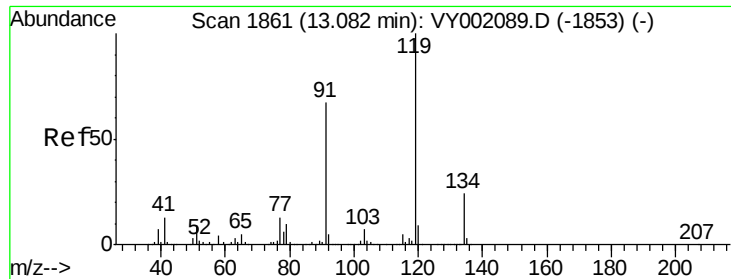
MMDadoda
4/7/2020 7:06:19 PM



#82
4-Chlorotoluene
Concen: 21.371 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.3	48.9





#83

tert-Butylbenzene

Concen: 21.802 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Instrument :

MSVOA_Y

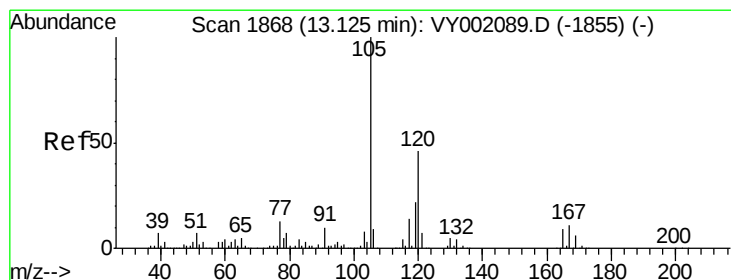
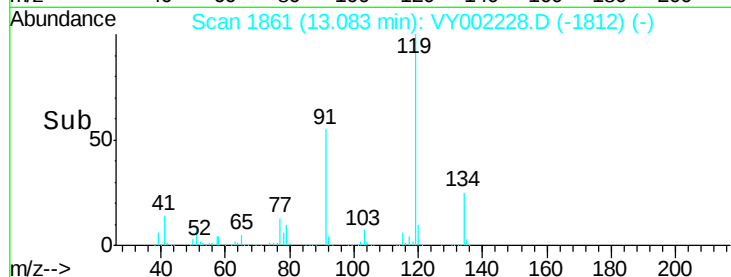
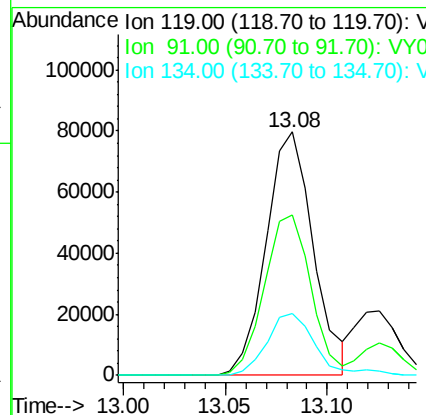
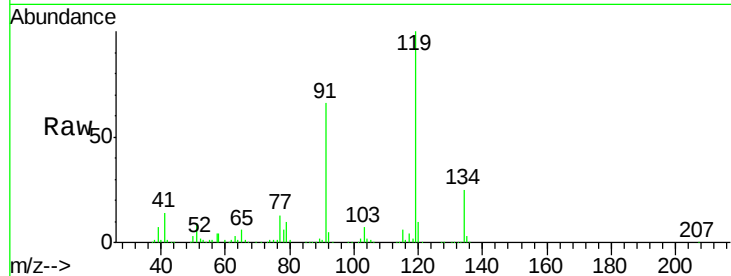
ClientSampleId :

VY0406SBS01

Tot Ion:	119	Resp:	128360
Ion Ratio	Lower	Upper	
119	100		
91	65.1	32.9	98.6
134	26.4	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.585 ug/l

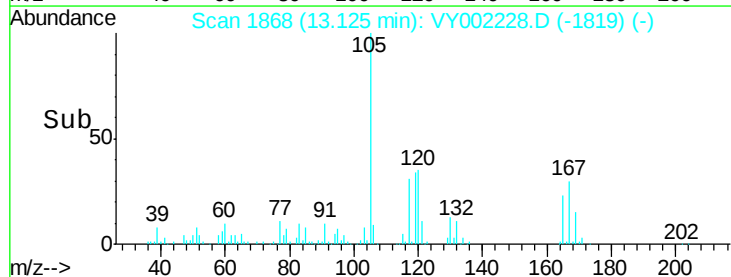
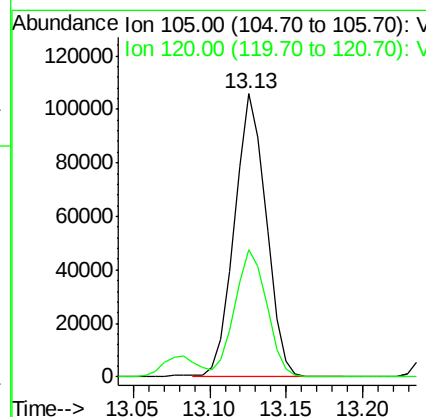
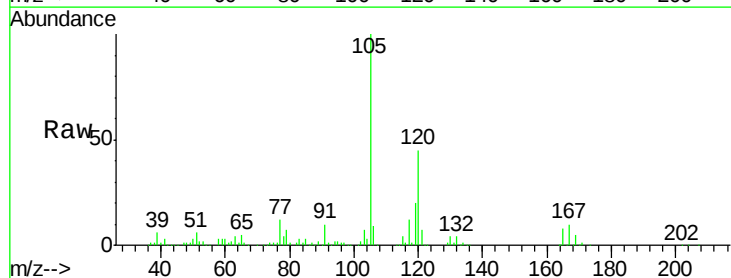
RT: 13.13 min Scan# 1868

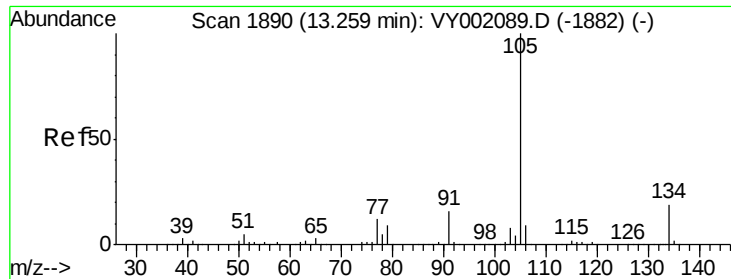
Delta R.T. 0.00 min

Lab File: VY002228.D

Acq: 06 Apr 2020 11:56

Tgt Ion:	105	Resp:	151901
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.9	68.5





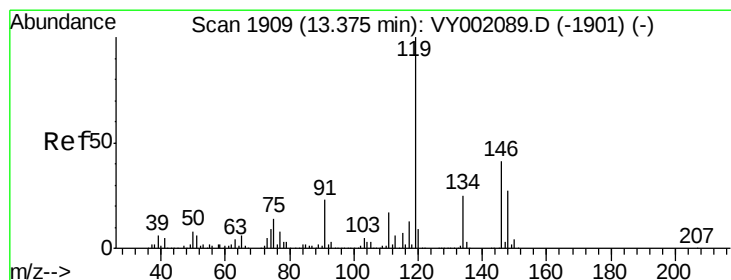
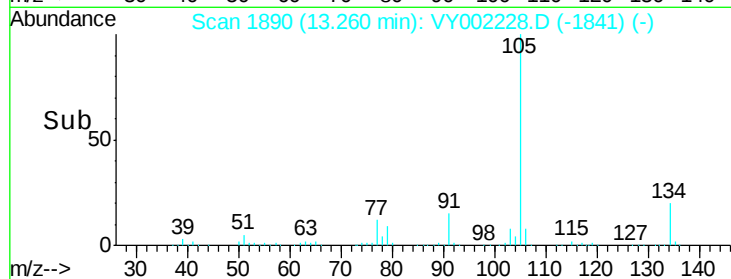
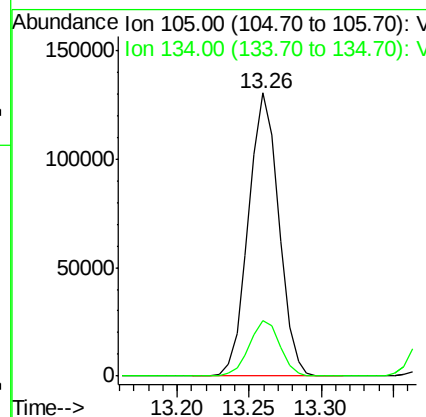
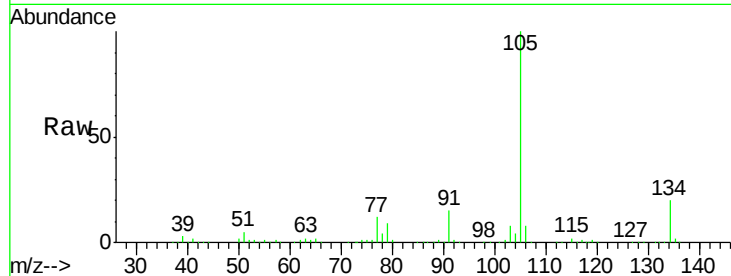
#85
 sec-Butylbenzene
 Concen: 21.788 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

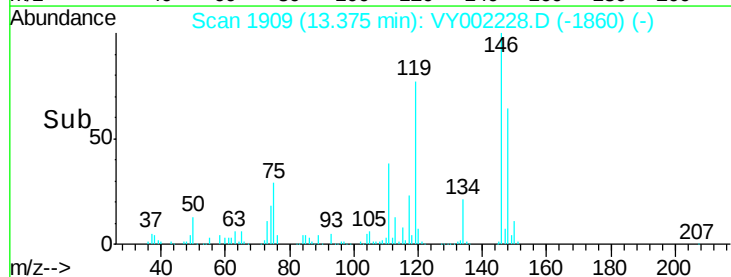
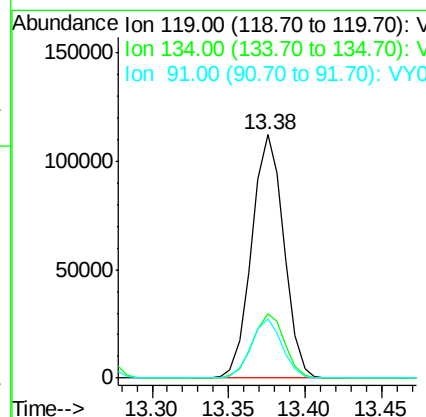
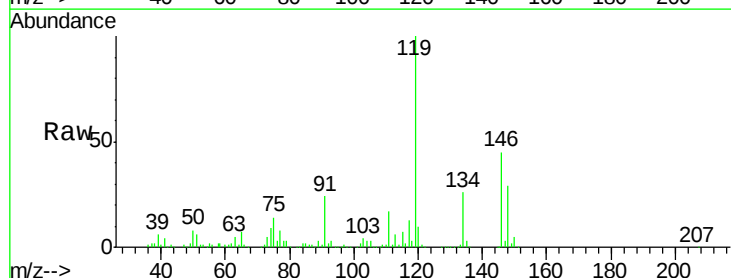
Manual Integrations
 APPROVED

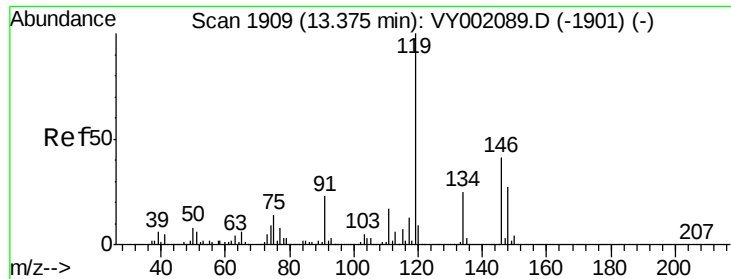
MMDadoda
 4/7/2020 7:06:19 PM



#86
 p-Isopropyltoluene
 Concen: 21.838 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.1	39.3
91	23.5	11.8	35.3





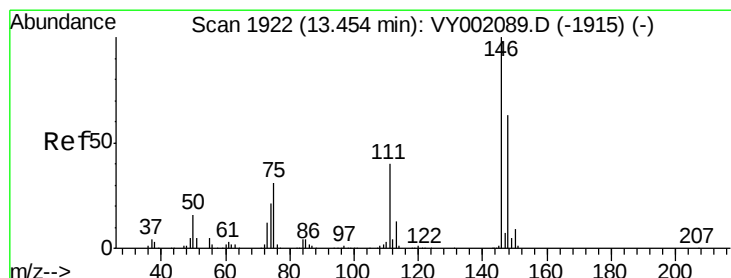
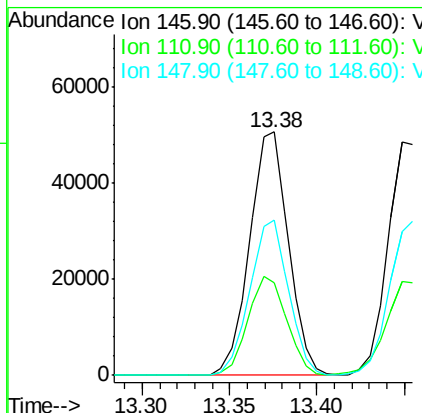
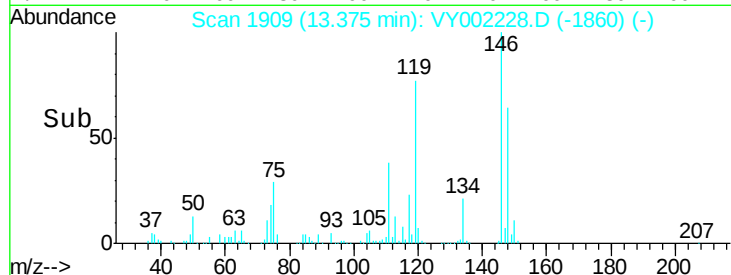
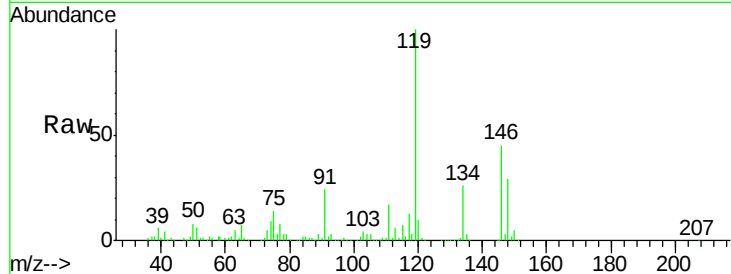
#87
 1,3-Dichlorobenzene
 Concen: 21.911 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	63.3	32.1	96.5

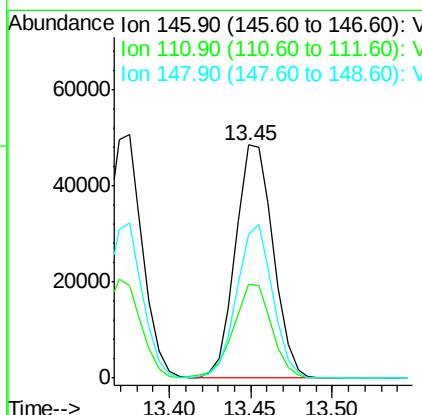
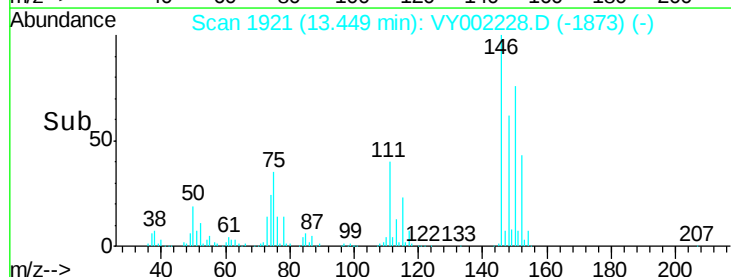
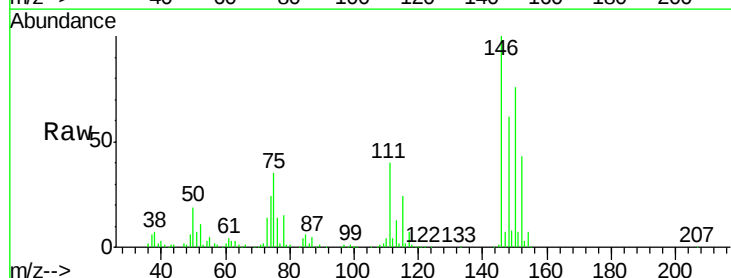
Manual Integrations
 APPROVED

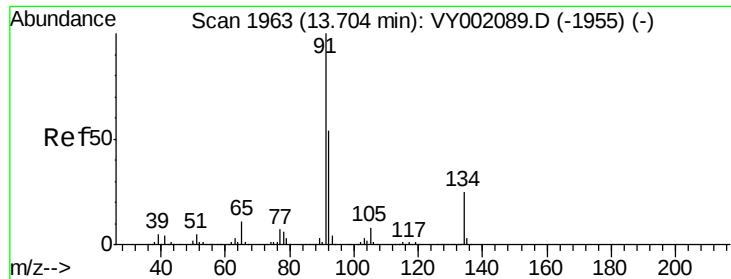
MMDadoda
 4/7/2020 7:06:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.745 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	63.1	31.5	94.5





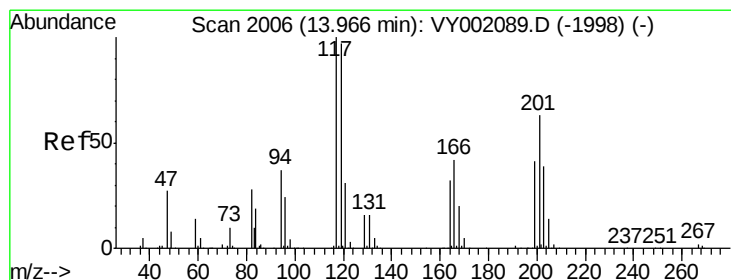
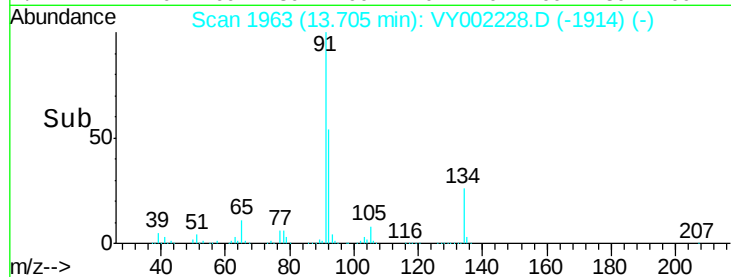
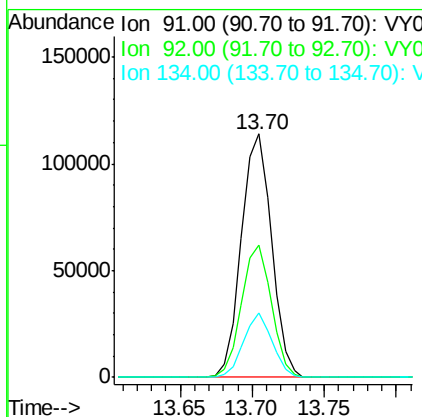
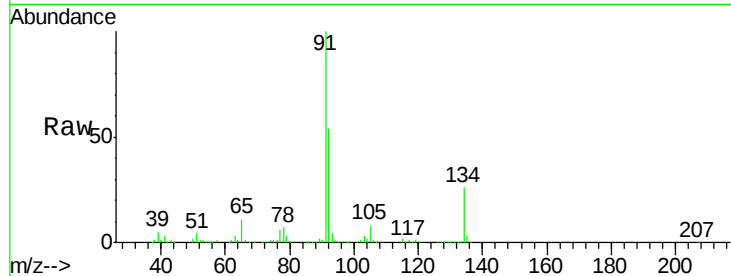
#89
n-Butylbenzene
Concen: 21.252 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.0	81.0	
134	24.9	12.3	36.8	

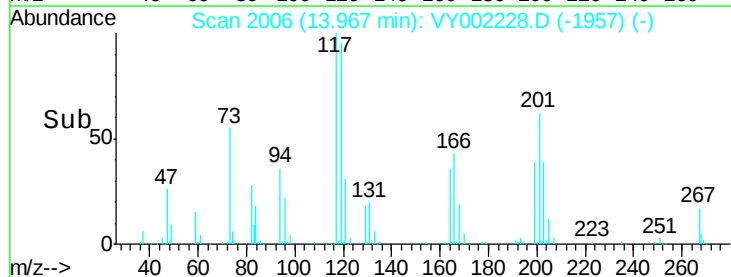
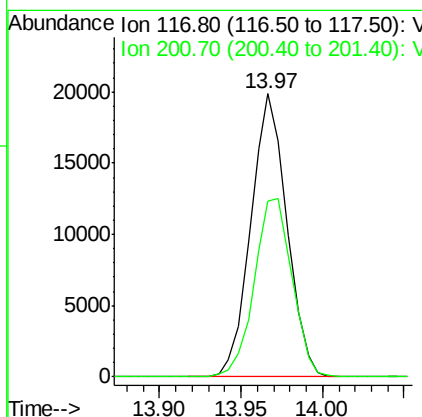
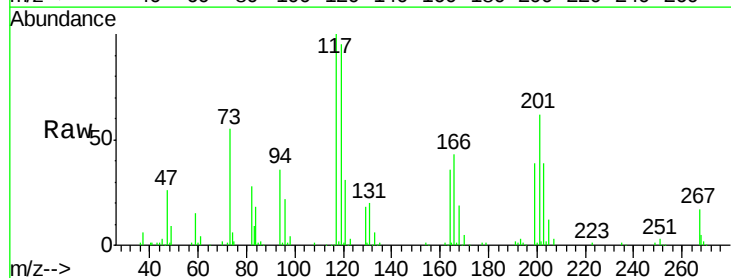
Manual Integrations
APPROVED

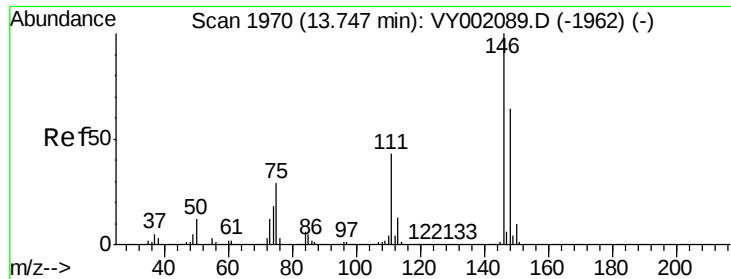
MMDadoda
4/7/2020 7:06:19 PM



#90
Hexachloroethane
Concen: 21.549 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.0	31.6	94.8	





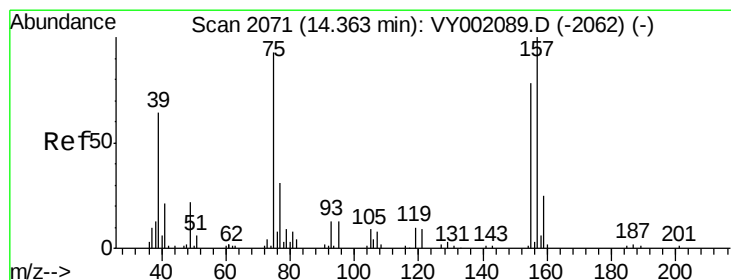
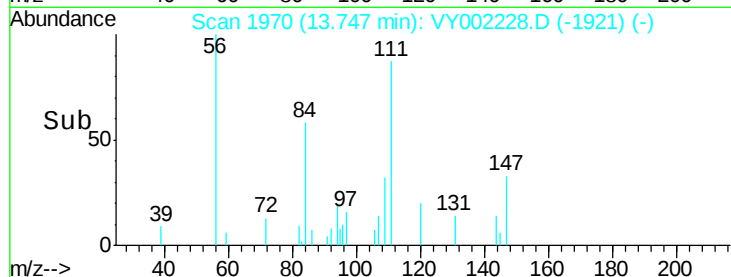
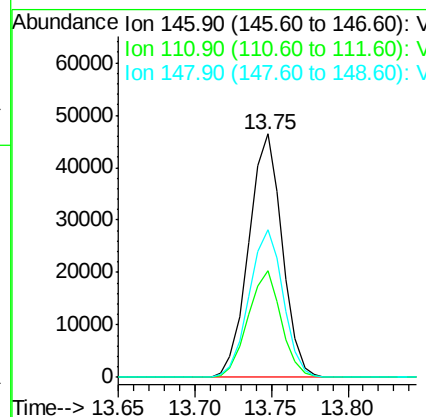
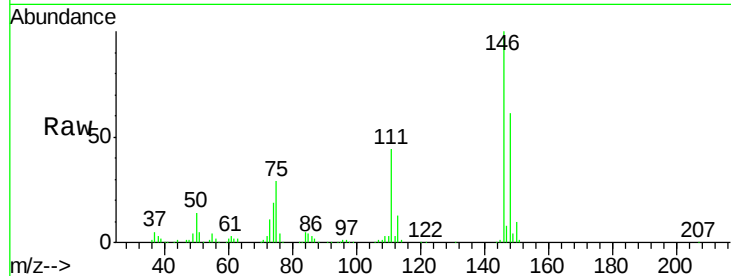
#91
 1,2-Dichlorobenzene
 Concen: 21.416 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.7
148	61.9	31.8	95.4

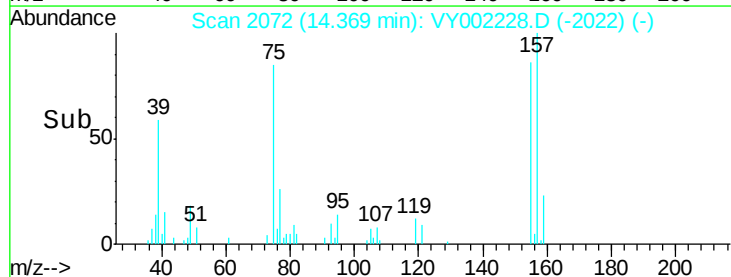
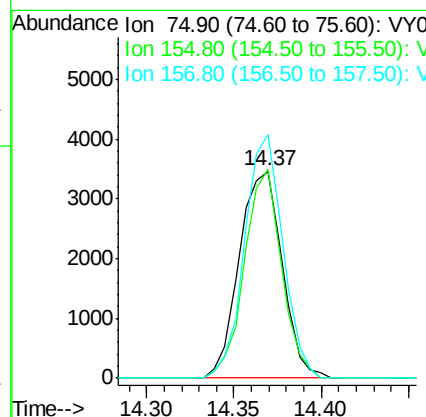
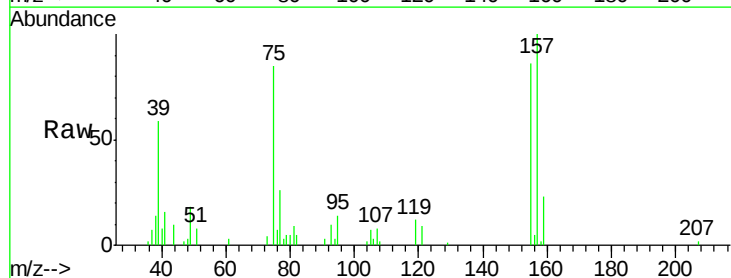
Manual Integrations
 APPROVED

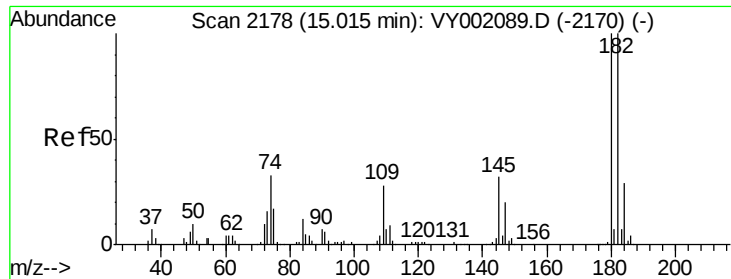
MMDadoda
 4/7/2020 7:06:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.032 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	41.6	124.9
157	104.9	53.4	160.3





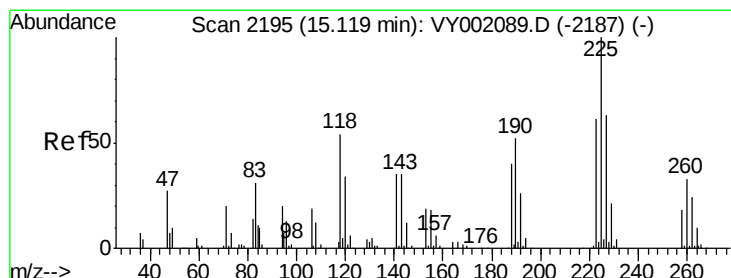
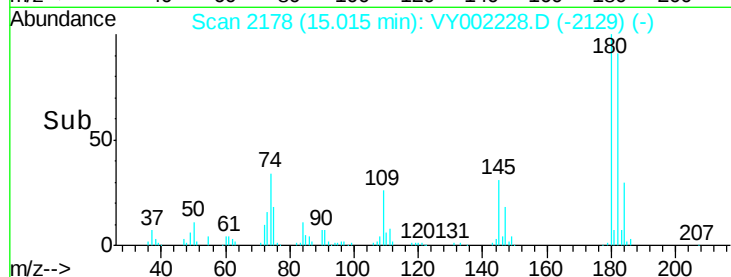
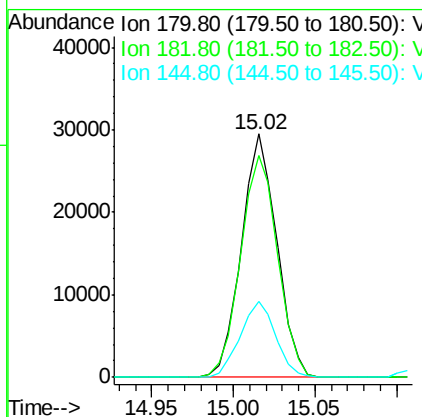
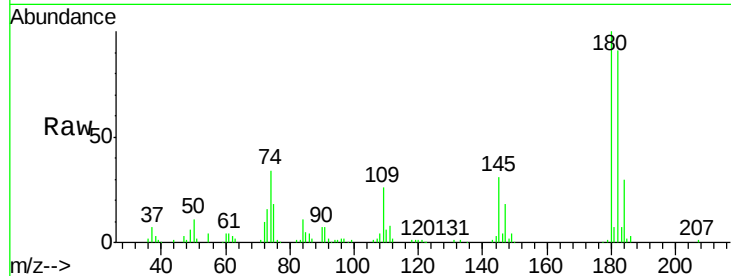
#93
 1,2,4-Trichlorobenzene
 Concen: 21.012 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS01

Tot Ion:	180	Resp:	44652
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.3
145	31.3	15.9	47.6

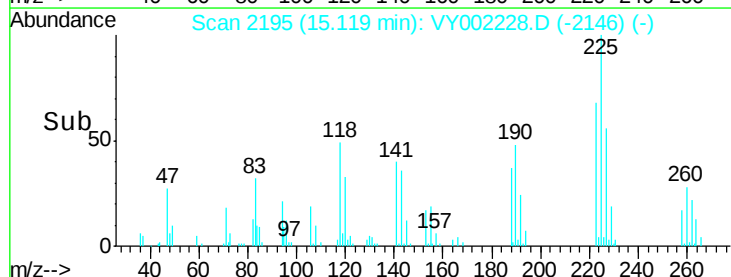
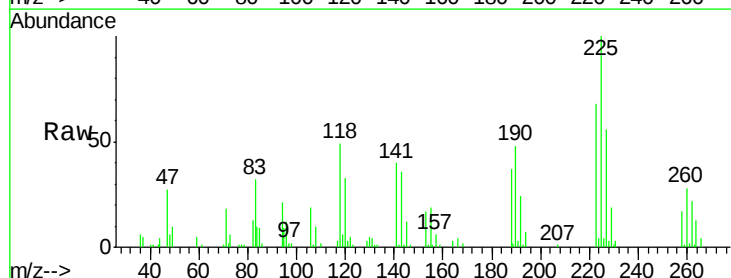
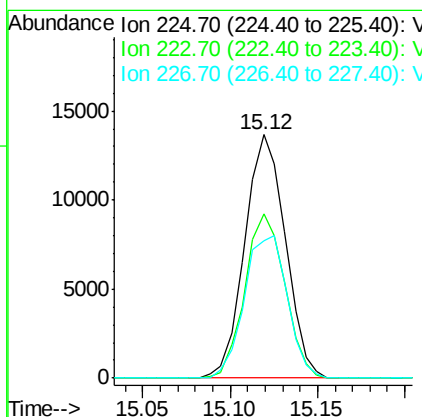
Manual Integrations
 APPROVED

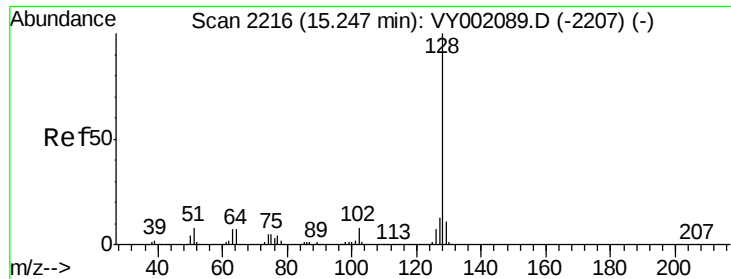
MMDadoda
 4/7/2020 7:06:19 PM



#94
 Hexachlorobutadiene
 Concen: 21.019 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY002228.D
 Acq: 06 Apr 2020 11:56

Tgt Ion:	225	Resp:	22048
Ion Ratio	Lower	Upper	
225	100		
223	66.5	31.1	93.3
227	61.9	31.6	94.7





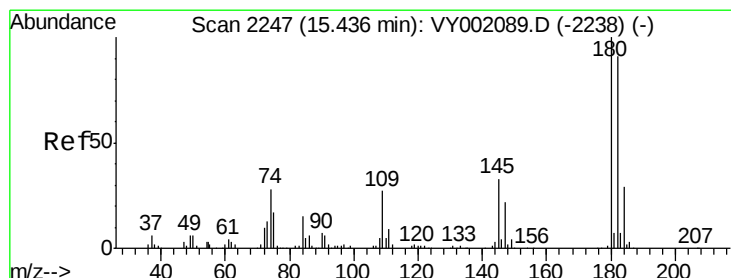
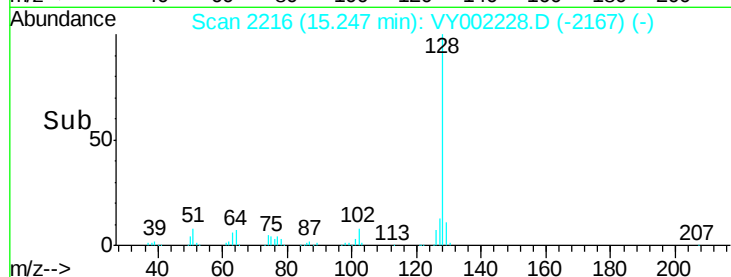
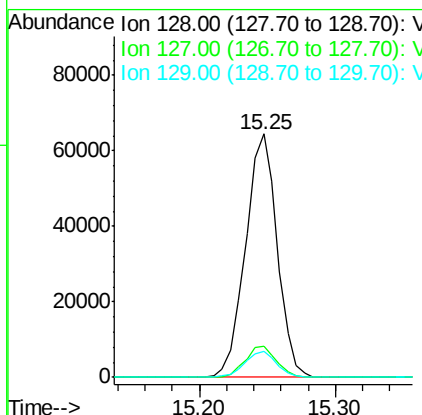
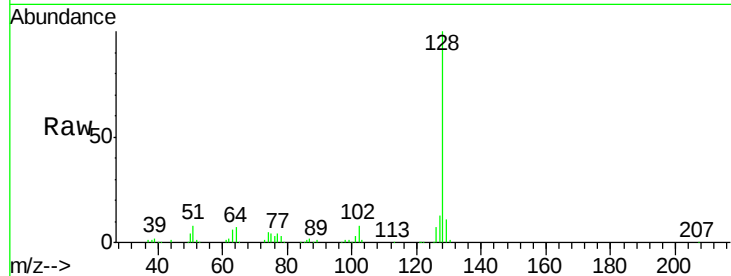
#95
Naphthalene
Concen: 20.784 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :
VY0406SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	104906		
127	12.6		9.8	14.8
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/7/2020 7:06:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.838 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY002228.D
Acq: 06 Apr 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40156		
182	93.2		46.8	140.3
145	34.0		16.7	50.1

