

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002125.D
 Acq On : 31 Mar 2020 12:16
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:27 PM

Quant Time: Mar 31 18:22:59 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	7.82	168	163878	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	298815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	271209	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	123484	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	86843	47.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.88%	
35) Dibromofluoromethane	7.75	113	82776	49.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.88%	
50) Toluene-d8	10.20	98	343821	49.43	ug/l	0.01
Spiked Amount 50.000			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.50	95	119085	48.95	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	33183	28.159	ug/l	98
3) Chloromethane	2.13	50	43379	22.651	ug/l	97
4) Vinyl Chloride	2.27	62	43239	22.199	ug/l	99
5) Bromomethane	2.66	94	28482	22.407	ug/l	97
6) Chloroethane	2.82	64	27023	21.607	ug/l	95
7) Trichlorofluoromethane	3.15	101	59801	22.405	ug/l	97
8) Diethyl Ether	3.56	74	23194	20.516	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38116	21.766	ug/l	100
10) Methyl Iodide	4.13	142	42360	20.343	ug/l	99
11) Tert butyl alcohol	4.97	59	32050m	150.125	ug/l	
12) 1,1-Dichloroethene	3.91	96	38438	21.616	ug/l	94
13) Acrolein	3.76	56	22644	84.863	ug/l	98
14) Allyl chloride	4.52	41	67693	20.795	ug/l	99
15) Acrylonitrile	5.21	53	59209	99.923	ug/l	100
16) Acetone	3.98	43	48272	94.842	ug/l	99
17) Carbon Disulfide	4.22	76	126860	21.497	ug/l	99
18) Methyl Acetate	4.51	43	26676	20.184	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	101386	20.438	ug/l	100
20) Methylene Chloride	4.75	84	45356	18.273	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	43027	21.251	ug/l	98
22) Diisopropyl ether	6.16	45	138911	20.851	ug/l	98
23) Vinyl Acetate	6.10	43	442861	101.377	ug/l	99
24) 1,1-Dichloroethane	6.05	63	75296	21.257	ug/l	98
25) 2-Butanone	7.02	43	78125	99.964	ug/l	96
26) 2,2-Dichloropropane	7.02	77	63295	21.697	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	46889	21.051	ug/l	97
28) Bromochloromethane	7.36	49	31198	19.293	ug/l	98
29) Tetrahydrofuran	7.38	42	49657	96.910	ug/l	99
30) Chloroform	7.54	83	69782	20.784	ug/l	100
31) Cyclohexane	7.82	56	79135	20.967	ug/l	92
32) 1,1,1-Trichloroethane	7.74	97	59121	21.091	ug/l	99
36) 1,1-Dichloropropene	7.95	75	59281	20.974	ug/l	99
37) Ethyl Acetate	7.11	43	33261	19.474	ug/l	99
38) Carbon Tetrachloride	7.93	117	51831	21.615	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002125.D
 Acq On : 31 Mar 2020 12:16
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:27 PM

Quant Time: Mar 31 18:22:59 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	9.21	83	78971	21.301	ug/l	97
40) Benzene	8.19	78	177329	21.181	ug/l	97
41) Methacrylonitrile	7.35	41	16319m	18.889	ug/l	
42) 1,2-Dichloroethane	8.26	62	46200	20.785	ug/l	100
43) Isopropyl Acetate	8.30	43	63487	20.027	ug/l	99
44) Trichloroethene	8.96	130	43420	21.515	ug/l	98
45) 1,2-Dichloropropane	9.24	63	45856	21.511	ug/l	99
46) Dibromomethane	9.33	93	22308	20.377	ug/l	97
47) Bromodichloromethane	9.52	83	53968	21.176	ug/l	99
48) Methyl methacrylate	9.32	41	29128	20.504	ug/l	96
49) 1,4-Dioxane	9.32	88	5977	397.863	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	168723	103.362	ug/l	100
52) Toluene	10.26	92	107360	21.202	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	57998	20.503	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	69527	20.876	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	32506	20.062	ug/l	94
56) Ethyl methacrylate	10.53	69	46894	19.815	ug/l	99
57) 1,3-Dichloropropane	10.81	76	59442	20.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	119473	98.248	ug/l	100
59) 2-Hexanone	10.85	43	110709	96.281	ug/l	100
60) Dibromochloromethane	11.00	129	35366	20.859	ug/l	100
61) 1,2-Dibromoethane	11.11	107	30381	20.033	ug/l	99
64) Tetrachloroethene	10.74	164	35136	21.175	ug/l	96
65) Chlorobenzene	11.53	112	109299	20.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	37686	21.517	ug/l	99
67) Ethyl Benzene	11.61	91	205999	21.186	ug/l	100
68) m/p-Xylenes	11.72	106	151563	42.159	ug/l	100
69) o-Xylene	12.05	106	72340	21.212	ug/l	98
70) Styrene	12.06	104	122681	20.760	ug/l	99
71) Bromoform	12.22	173	19623	20.456	ug/l #	99
73) Isopropylbenzene	12.35	105	192035	20.964	ug/l	100
74) N-amyl acetate	12.16	43	56172	19.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	40791	20.694	ug/l	97
76) 1,2,3-Trichloropropane	12.65	75	25894m	18.746	ug/l	
77) Bromobenzene	12.63	156	41359	21.151	ug/l	98
78) n-propylbenzene	12.69	91	240179	21.129	ug/l	99
79) 2-Chlorotoluene	12.77	91	131934	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	160787	21.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14539	20.392	ug/l	98
82) 4-Chlorotoluene	12.87	91	138593	21.072	ug/l	99
83) tert-Butylbenzene	13.09	119	133196	21.114	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	160898	21.338	ug/l	99
85) sec-Butylbenzene	13.27	105	197487	21.136	ug/l	99
86) p-Isopropyltoluene	13.38	119	173748	21.654	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	82274	21.507	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	82409	21.408	ug/l	99
89) n-Butylbenzene	13.71	91	177269	21.204	ug/l	100
90) Hexachloroethane	13.98	117	32221	21.311	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	74597	21.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.38	75	6209	19.665	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
Data File : VY002125.D
Acq On : 31 Mar 2020 12:16
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

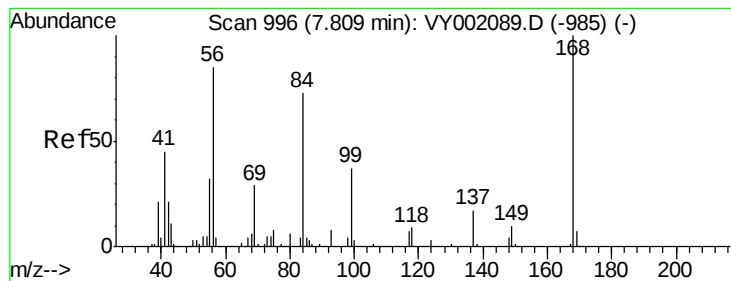
Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM

Quant Time: Mar 31 18:22:59 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	47659	20.931	ug/l	99
94) Hexachlorobutadiene	15.13	225	23117	20.568	ug/l	97
95) Naphthalene	15.25	128	106453	19.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42393	20.531	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion:168 Resp: 163878

Ion Ratio Lower Upper

168 100

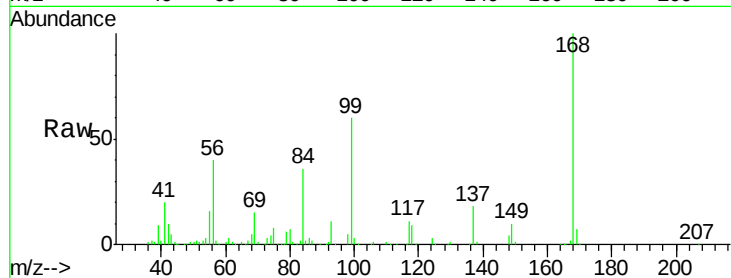
99 60.4 47.6 71.4

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



Abundance Ion 167.90 (167.60 to 168.60): VY002125.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002125.D (-947) (-)

7.82

60000

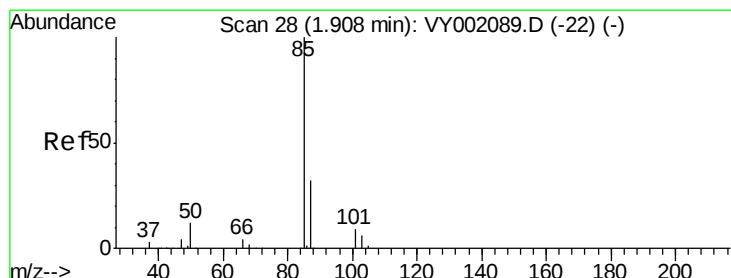
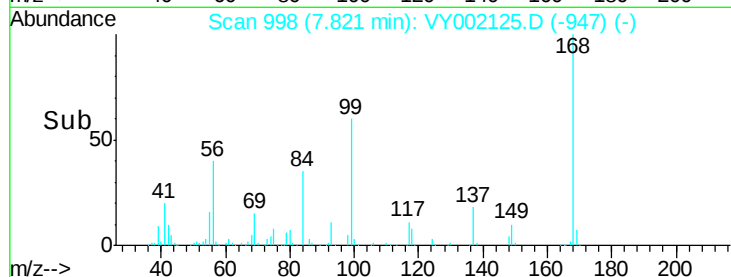
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 28.159 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002125.D

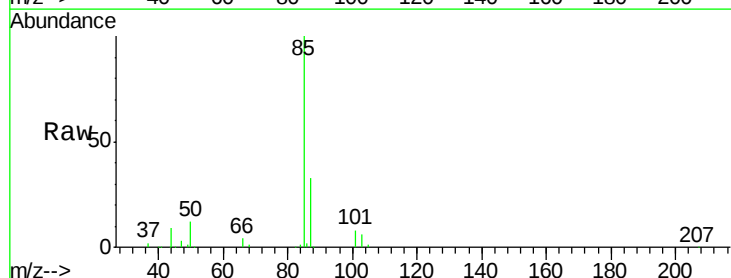
Acq: 31 Mar 2020 12:16

Tgt Ion: 85 Resp: 33183

Ion Ratio Lower Upper

85 100

87 33.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002125.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002125.D (-1) (-)

1.92

25000

20000

15000

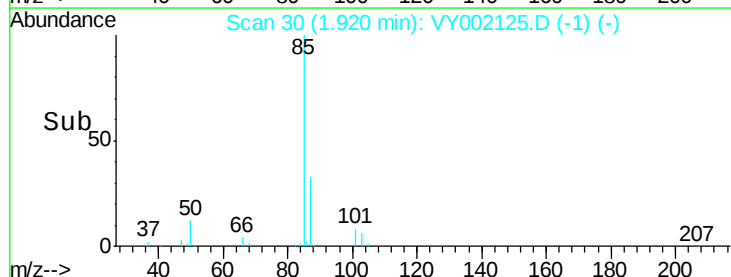
10000

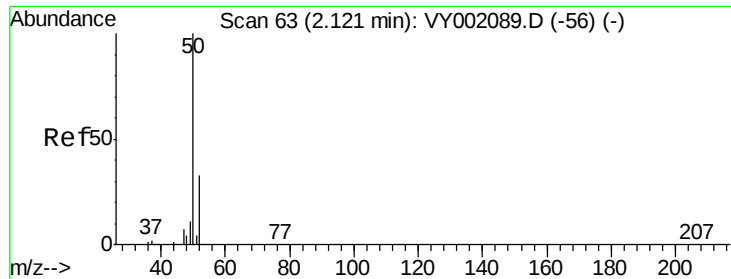
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 22.651 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 50 Resp: 43379

Ion Ratio Lower Upper

50 100

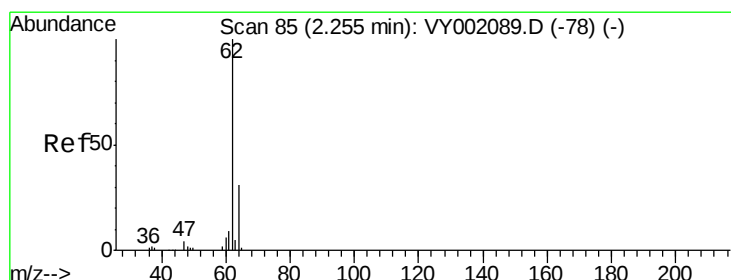
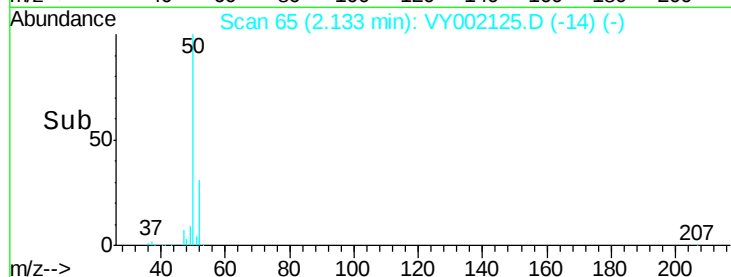
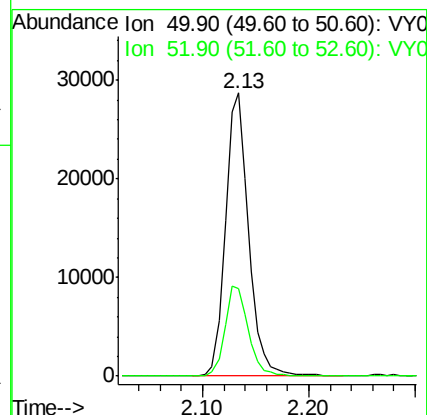
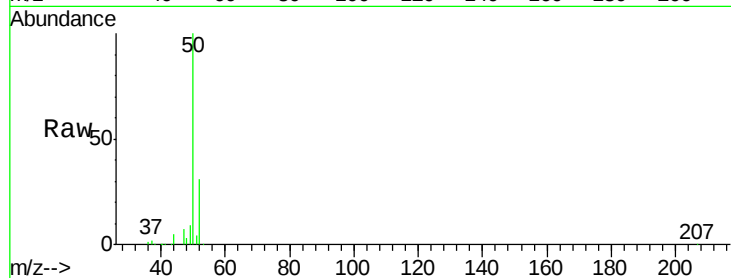
52 31.0 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



#4

Vinyl Chloride

Concen: 22.199 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002125.D

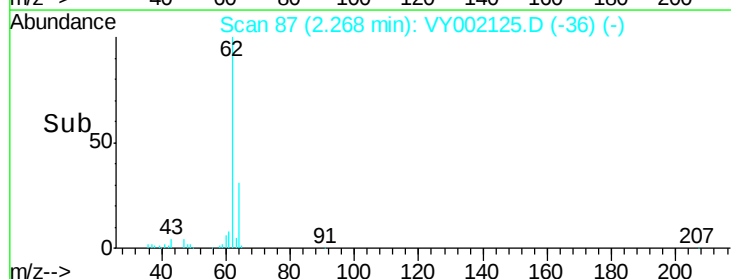
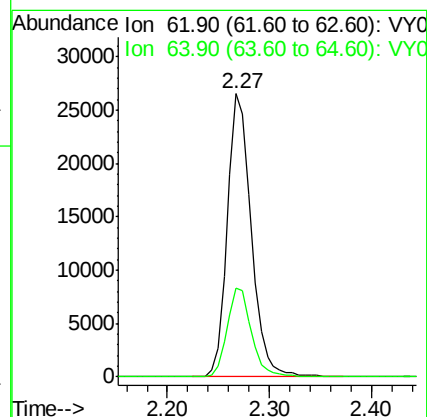
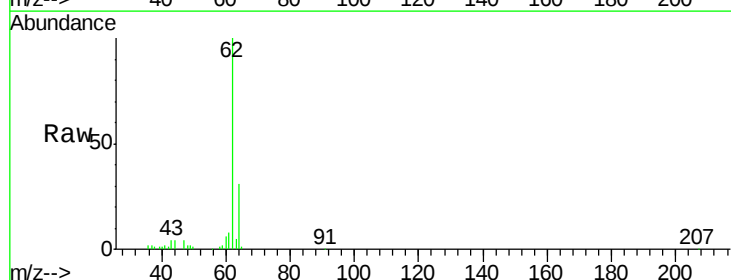
Acq: 31 Mar 2020 12:16

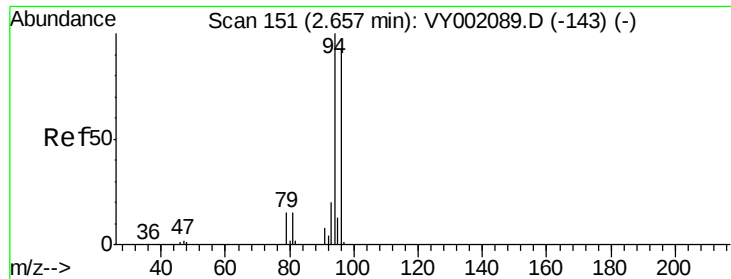
Tgt Ion: 62 Resp: 43239

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 22.407 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 94 Resp: 28482

Ion Ratio Lower Upper

94 100

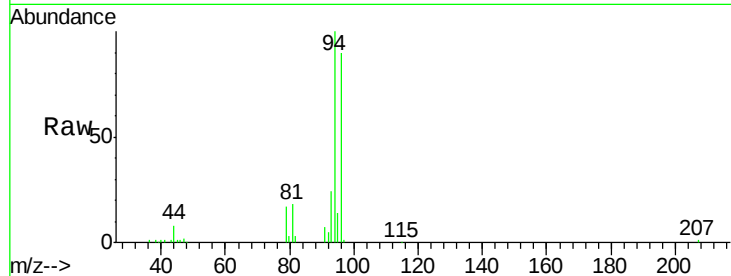
96 89.7 74.1 111.1

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

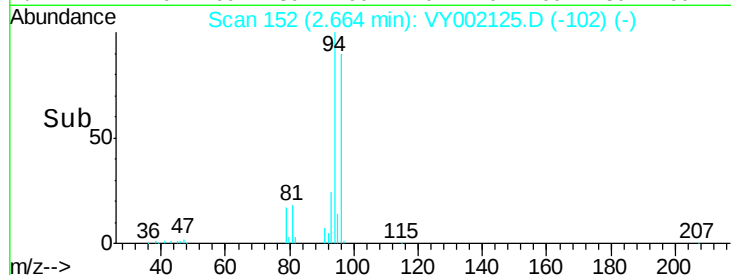
15000

10000

5000

0

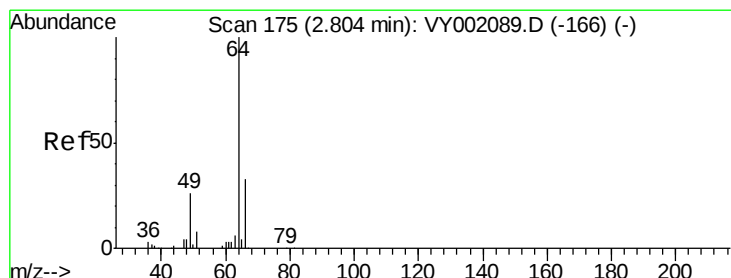
Time-->



2.66

2.70

2.80



#6

Chloroethane

Concen: 21.607 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002125.D

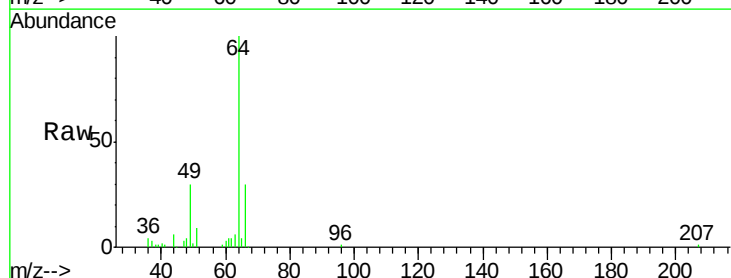
Acq: 31 Mar 2020 12:16

Tgt Ion: 64 Resp: 27023

Ion Ratio Lower Upper

64 100

66 30.1 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

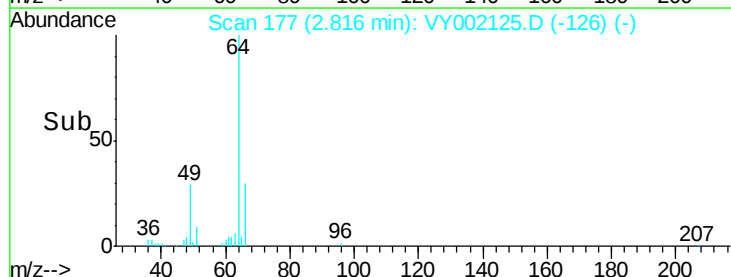
15000

10000

5000

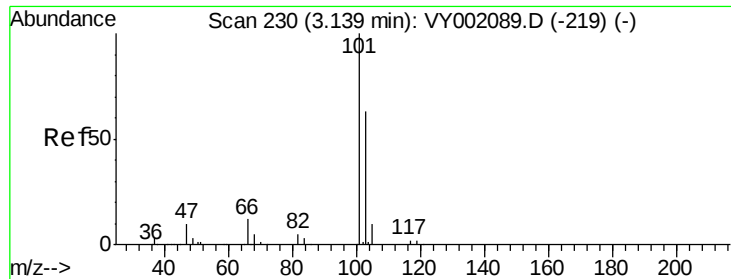
0

Time-->



2.82

2.90



#7

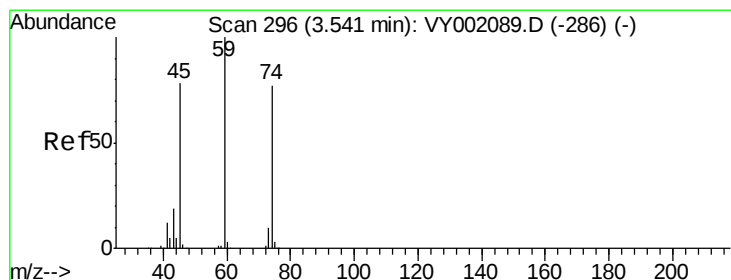
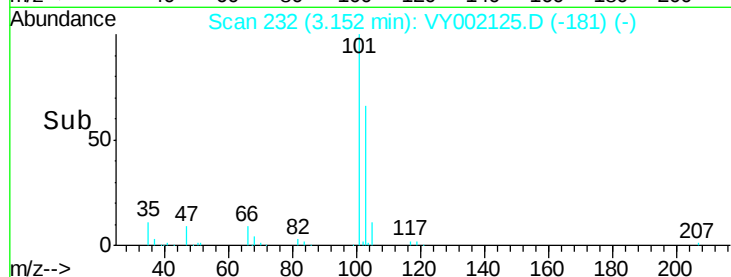
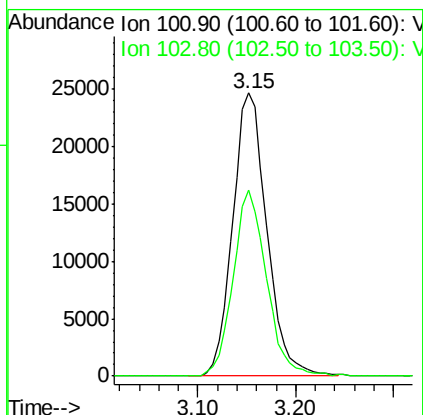
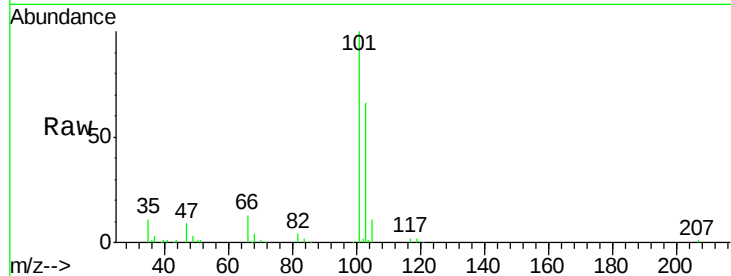
Trichlorofluoromethane
Concen: 22.405 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.6	76.0

Manual Integrations
APPROVED

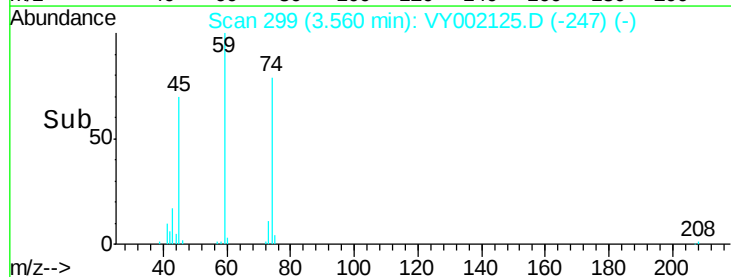
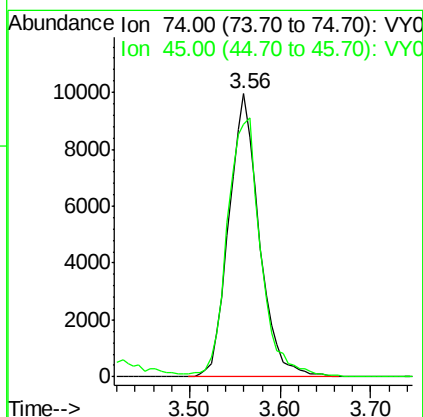
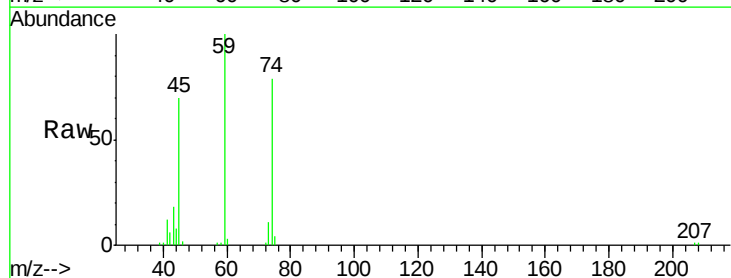
MMDadoda
4/1/2020 7:29:27 PM

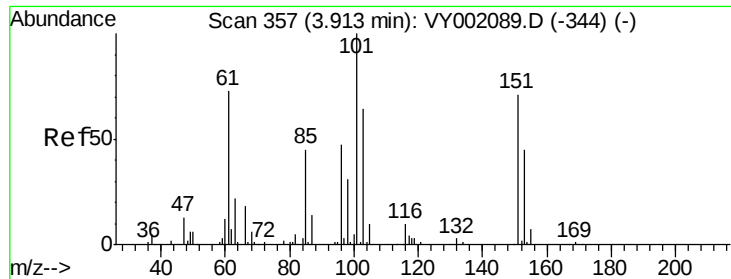


#8

Diethyl Ether
Concen: 20.516 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.02 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.766 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

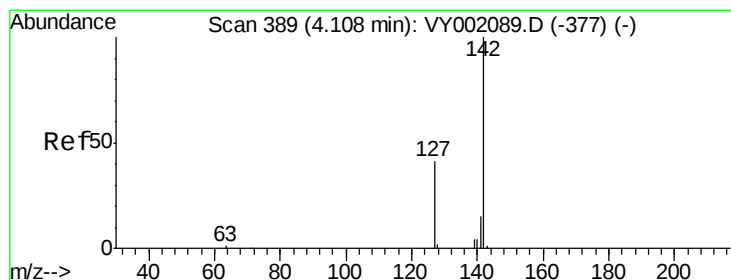
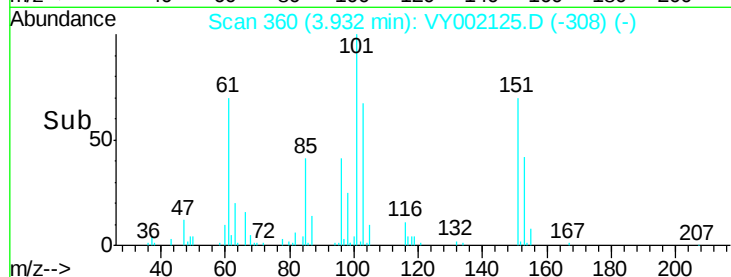
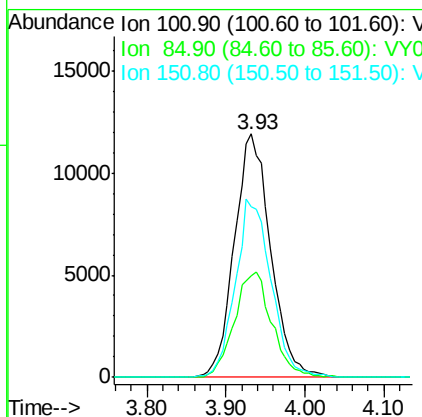
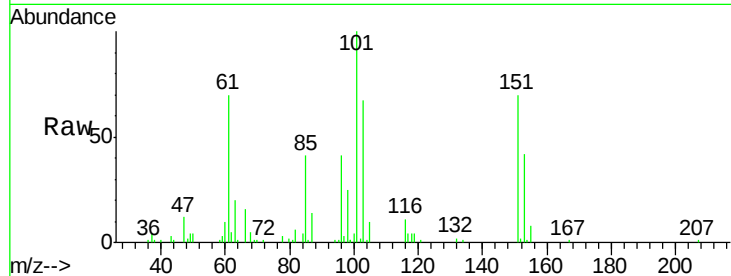
ClientSampleId :

VY0331SBS01

Tot Ion:	101	Resp:	38116
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.9	53.9
151	72.1	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#10

Methyl Iodide

Concen: 20.343 ug/l

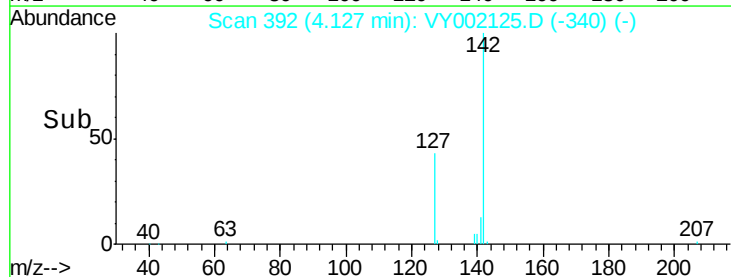
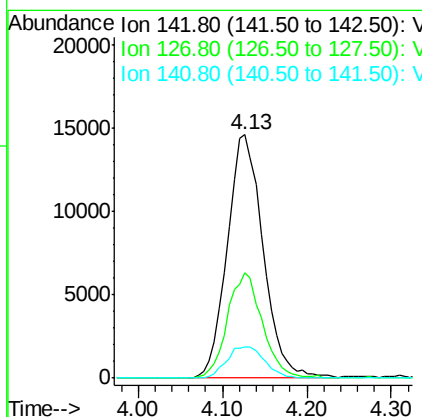
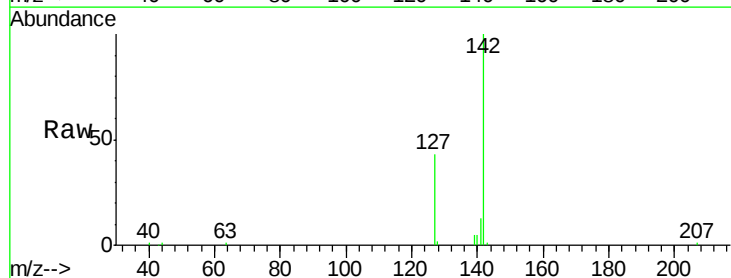
RT: 4.13 min Scan# 392

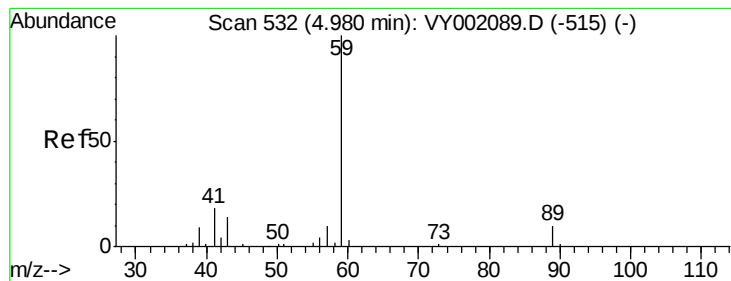
Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	142	Resp:	42360
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.6	49.0
141	13.8	11.4	17.0





#11

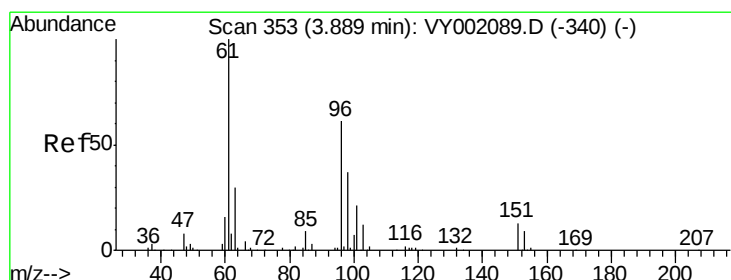
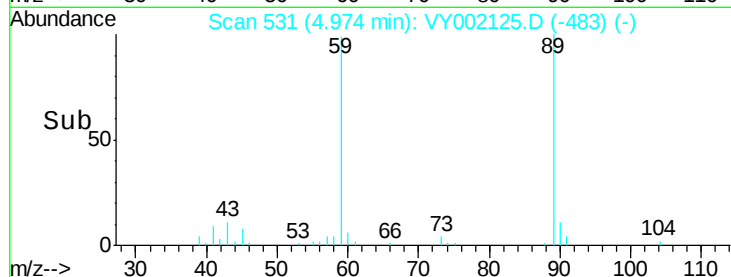
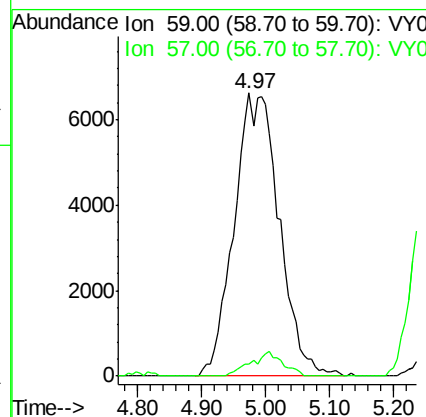
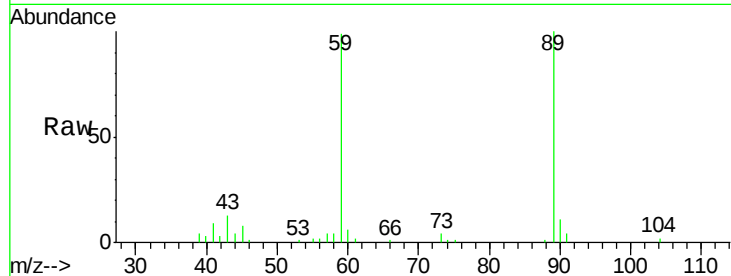
Tert butyl alcohol
 Concen: 150.125 ug/l m
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

Manual Integrations
 APPROVED

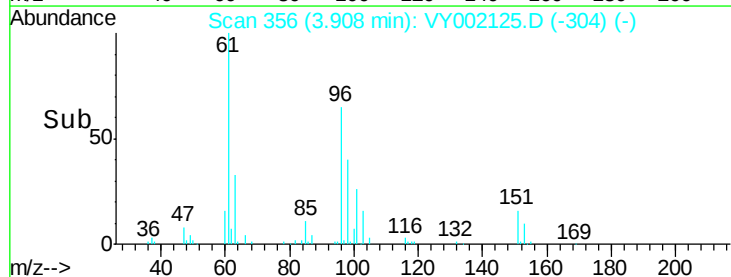
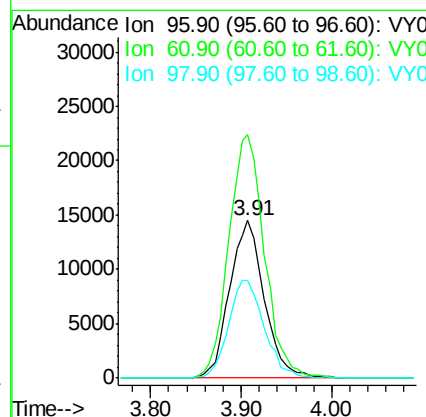
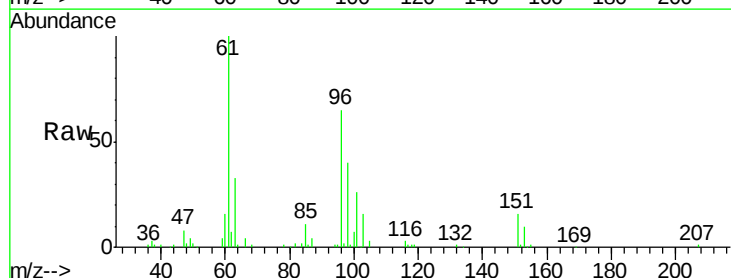
MMDadoda
 4/1/2020 7:29:27 PM

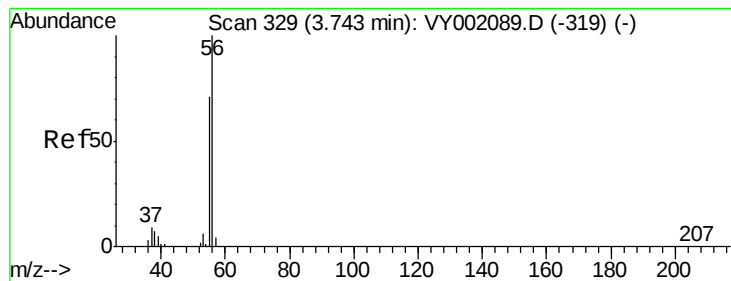


#12

1,1-Dichloroethene
 Concen: 21.616 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	132.0	198.0
98	61.8	49.4	74.0





#13

Acrolein

Concen: 84.863 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 56 Resp: 22644

Ion Ratio Lower Upper

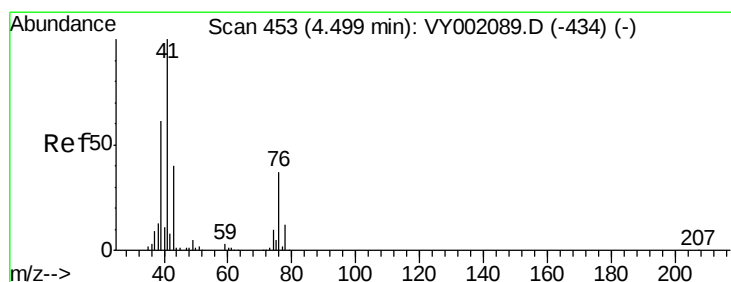
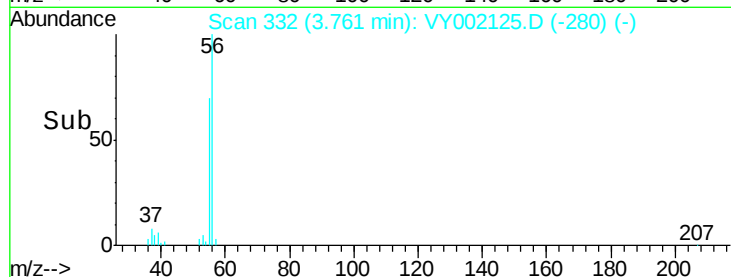
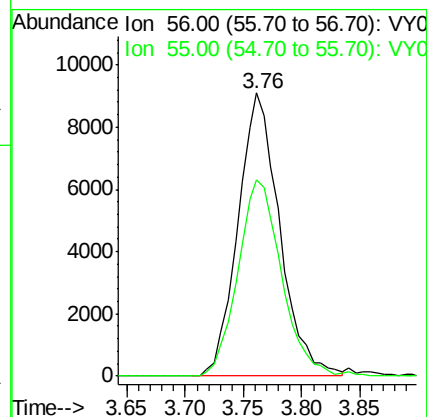
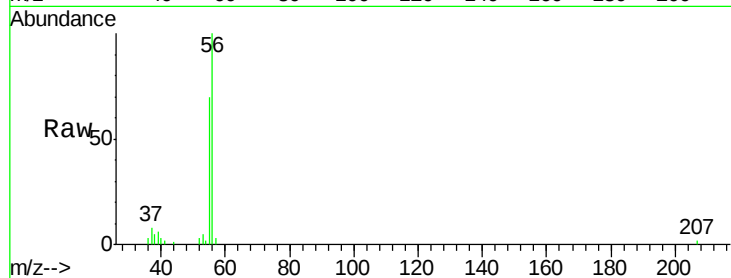
56 100

55 72.5 56.5 84.7

Manual Integrations
APPROVED

MMDadoda

4/1/2020 7:29:27 PM



#14

Allyl chloride

Concen: 20.795 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

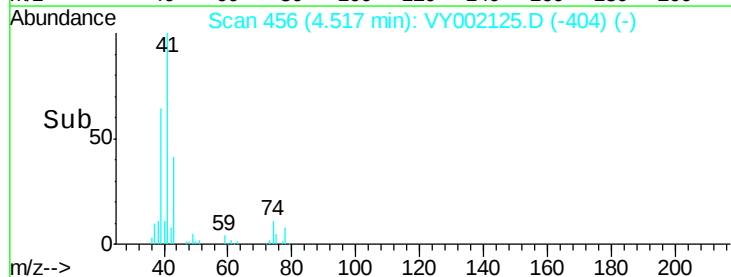
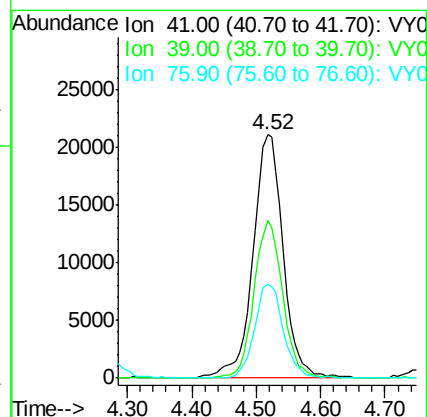
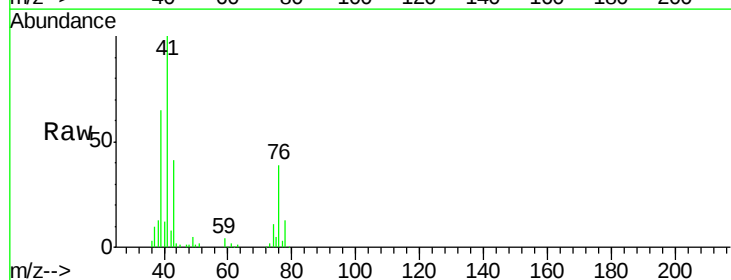
Tgt Ion: 41 Resp: 67693

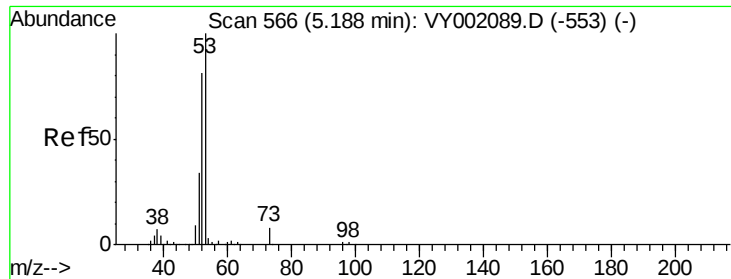
Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.4

76 36.5 27.8 41.8





#15

Acrylonitrile

Concen: 99.923 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

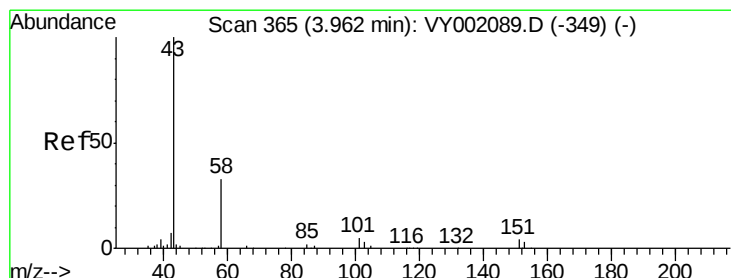
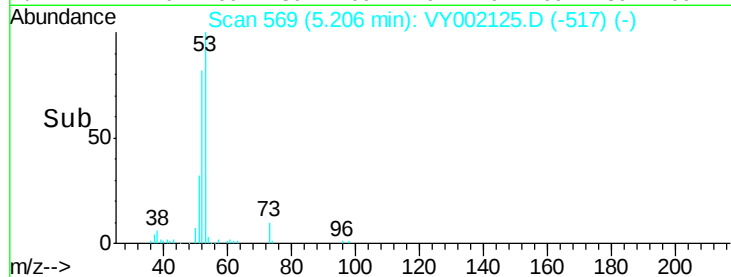
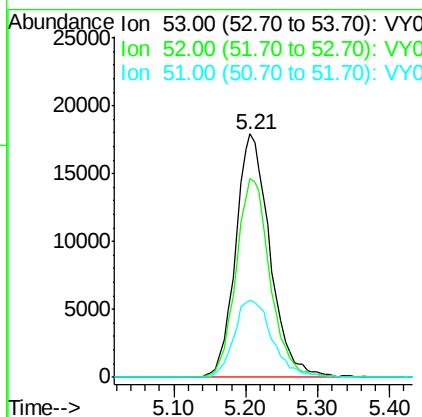
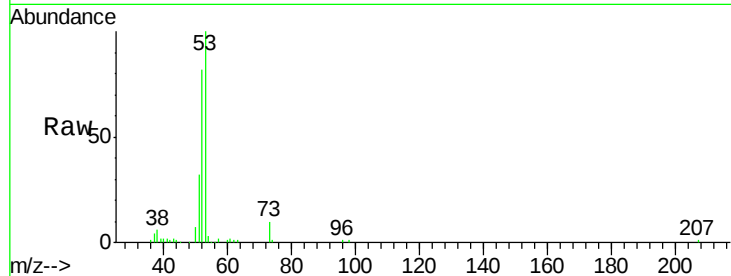
ClientSampleId :

VY0331SBS01

Tot Ion:	53	Resp:	59209
Ion Ratio	Lower	Upper	
53	100		
52	80.6	64.6	97.0
51	35.2	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#16

Acetone

Concen: 94.842 ug/l

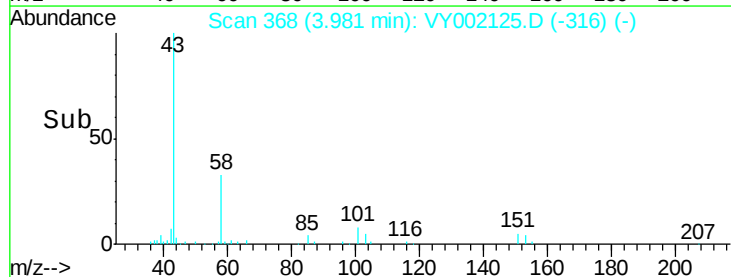
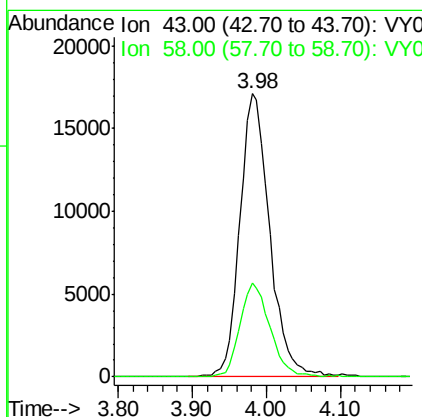
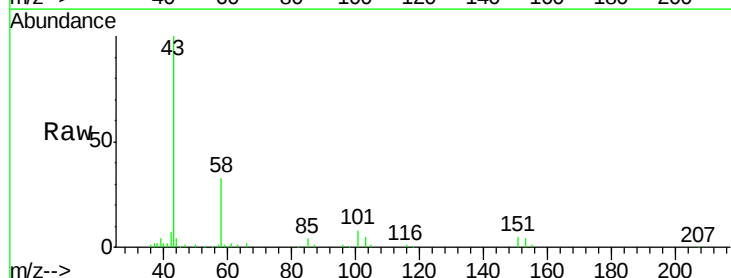
RT: 3.98 min Scan# 368

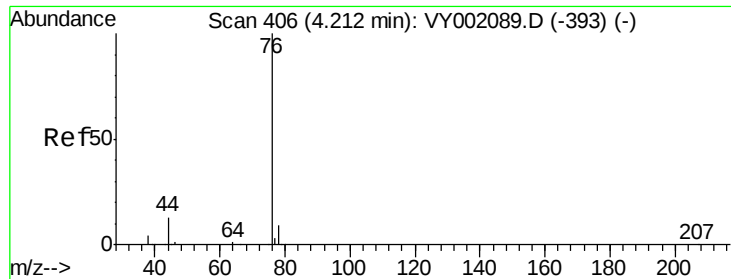
Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	43	Resp:	48272
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.3	39.5





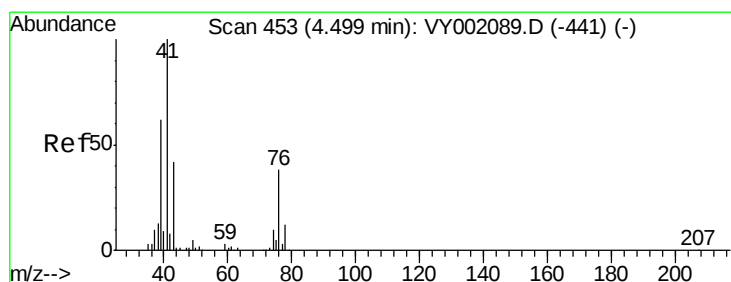
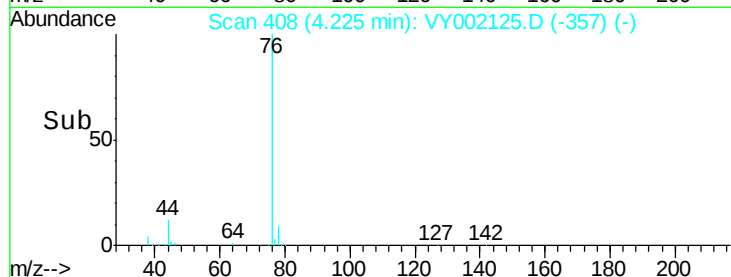
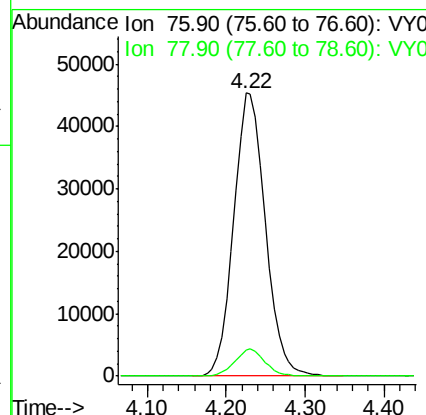
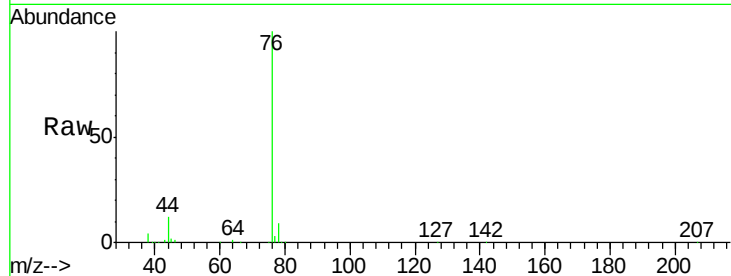
#17
Carbon Disulfide
Concen: 21.497 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

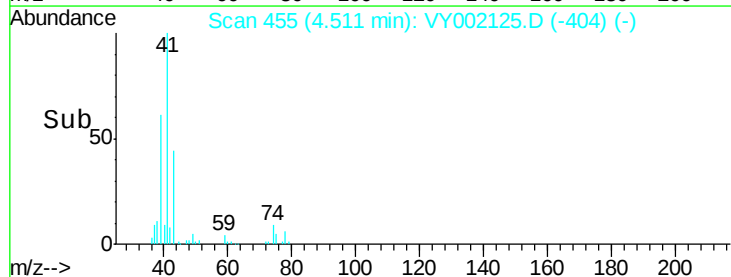
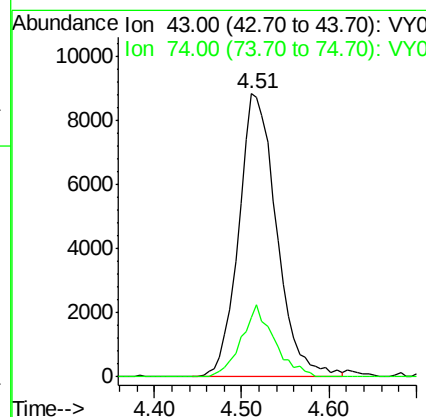
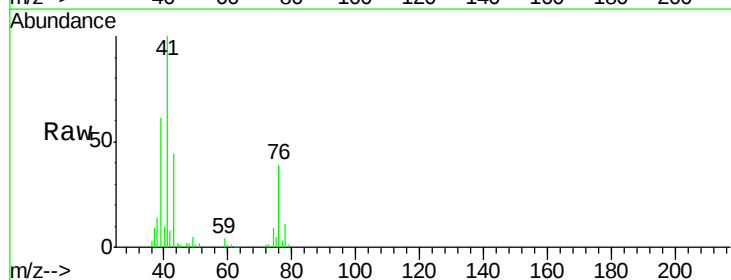
Manual Integrations
APPROVED

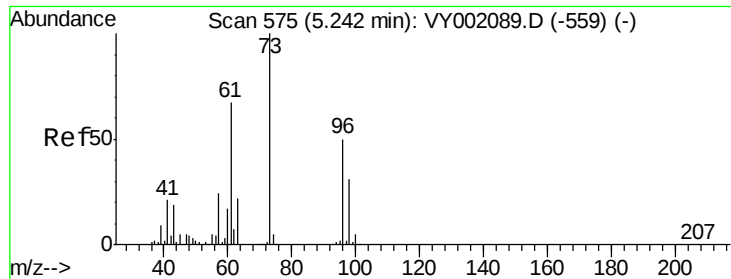
MMDadoda
4/1/2020 7:29:27 PM



#18
Methyl Acetate
Concen: 20.184 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.3	27.5





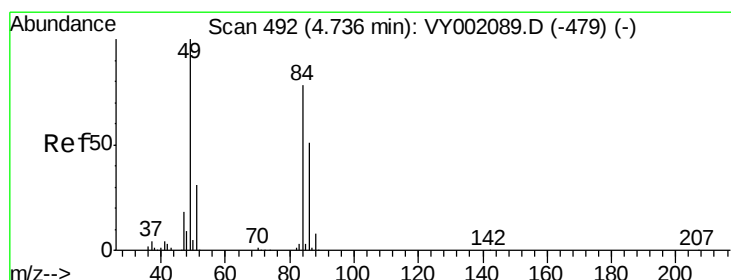
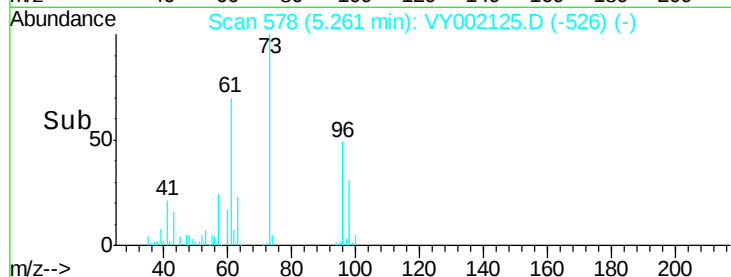
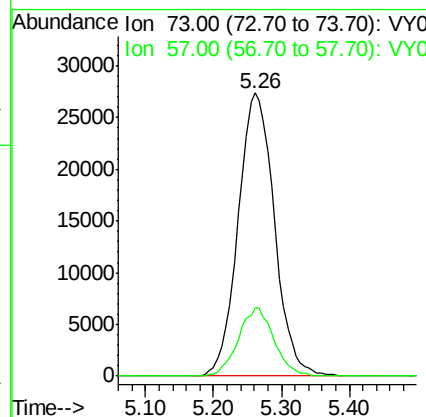
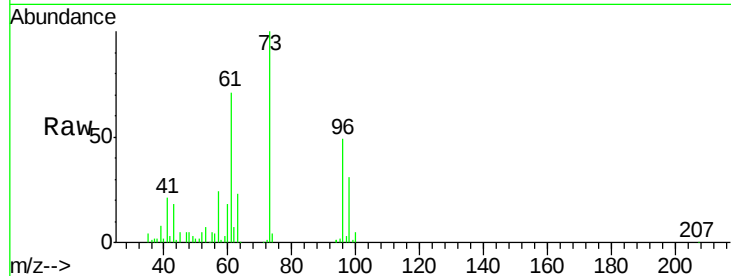
#19
Methvl tert-butvl Ether
Concen: 20.438 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion: 73 Resp: 101386
Ion Ratio Lower Upper
73 100
57 24.0 19.0 28.6

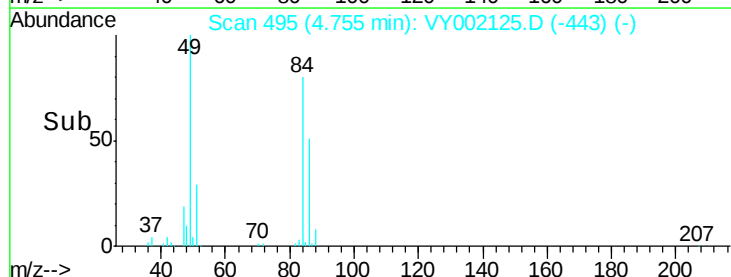
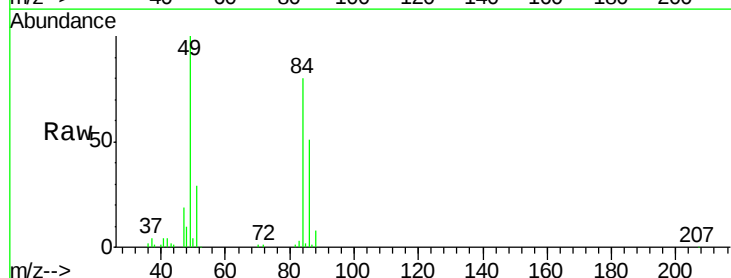
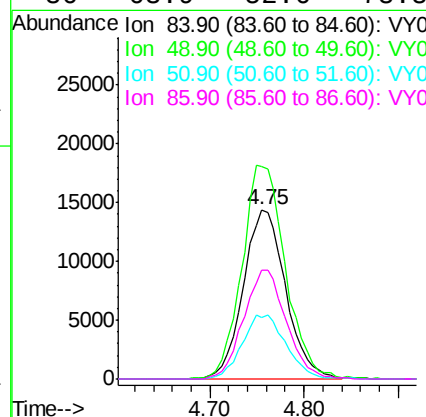
Manual Integrations
APPROVED

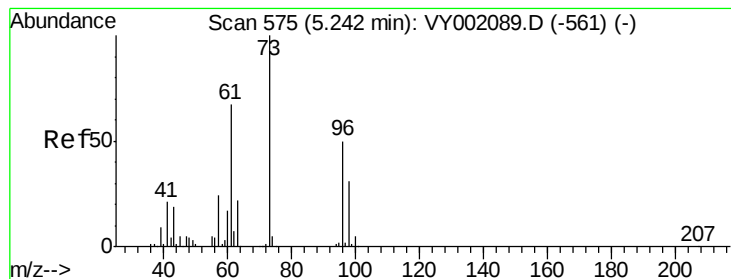
MMDadoda
4/1/2020 7:29:27 PM



#20
Methylene Chloride
Concen: 18.273 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion: 84 Resp: 45356
Ion Ratio Lower Upper
84 100
49 124.7 102.2 153.4
51 36.3 31.2 46.8
86 63.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 21.251 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 96 Resp: 43027

Ion Ratio Lower Upper

96 100

61 137.2 107.7 161.5

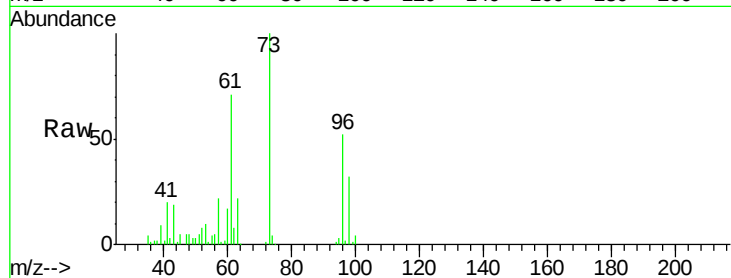
98 61.4 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM

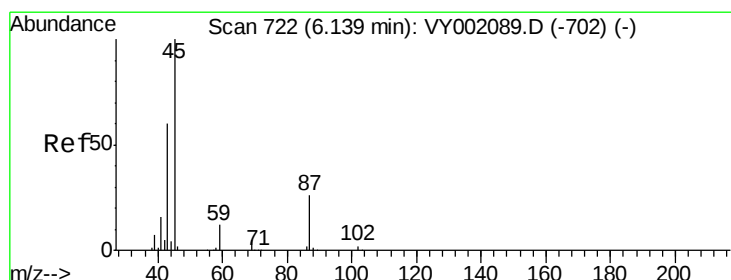
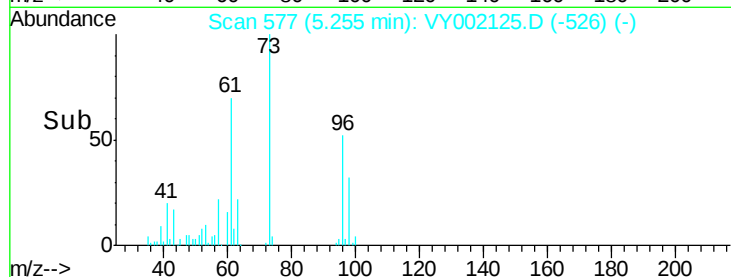
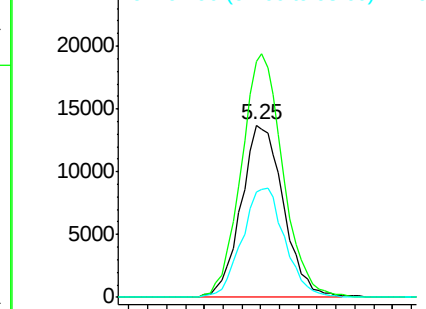


Abundance

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: 20.851 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion: 45 Resp: 138911

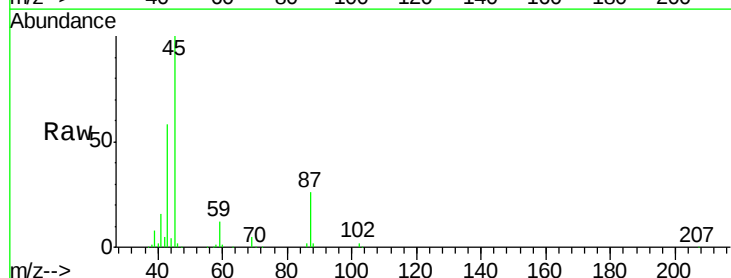
Ion Ratio Lower Upper

45 100

43 58.0 48.1 72.1

87 26.0 21.1 31.7

59 11.9 9.2 13.8



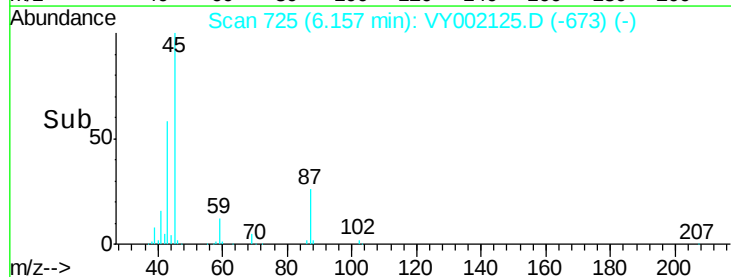
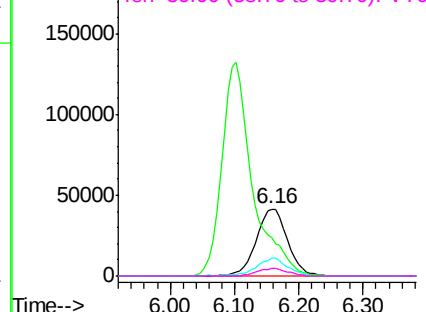
Abundance

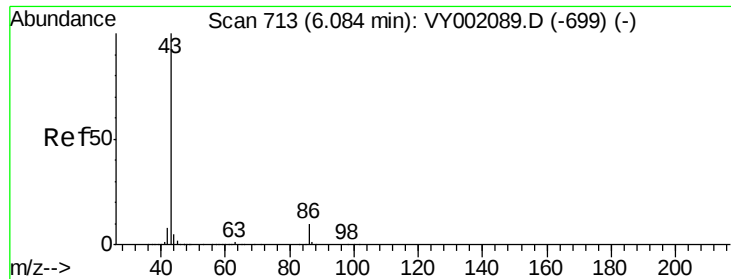
Ion 45.00 (44.70 to 45.70): VY0

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: 101.377 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tot Ion: 43 Resp: 442861

Ion Ratio Lower Upper

43 100

86 10.4 7.9 11.9

Instrument :

MSVOA_Y

ClientSampleId :

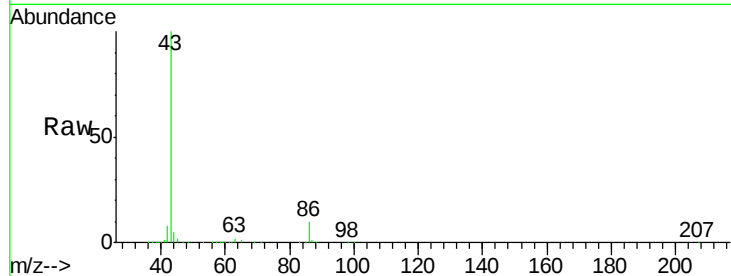
VY0331SBS01

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.10

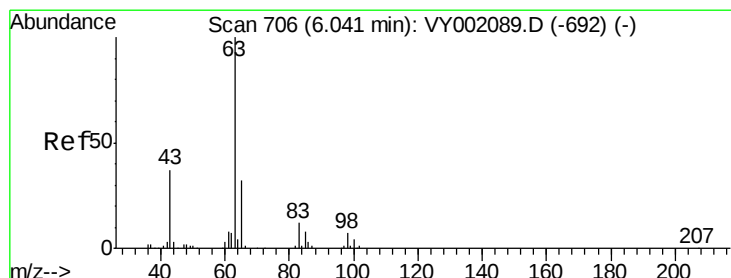
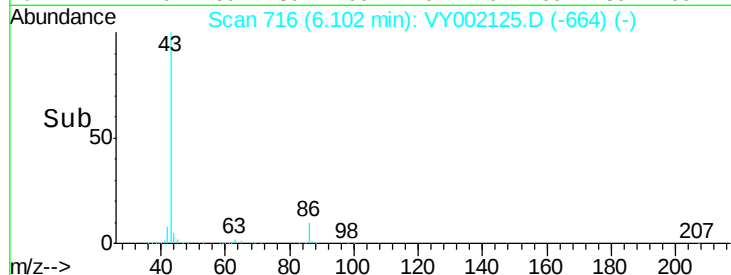
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.257 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

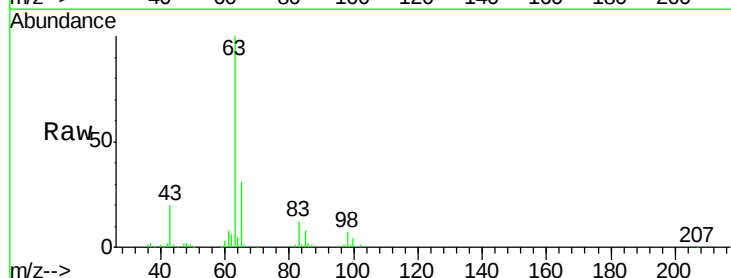
Tgt Ion: 63 Resp: 75296

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.05

30000

25000

20000

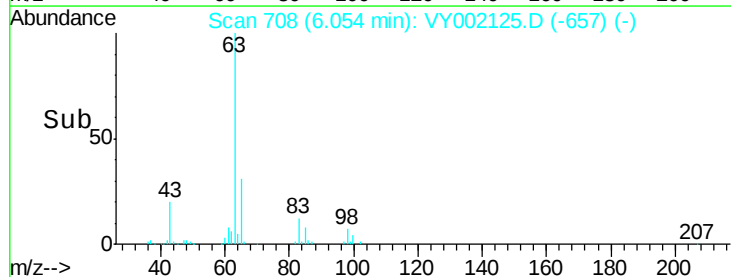
15000

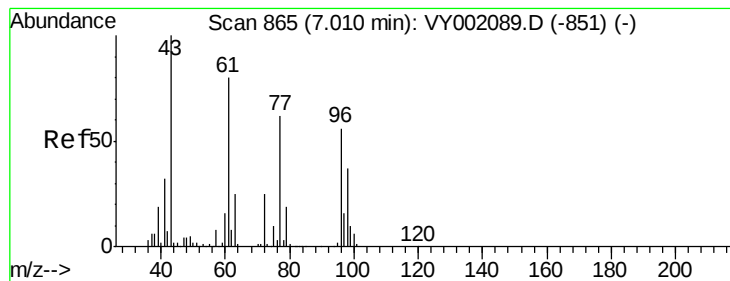
10000

5000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 99.964 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 43 Resp: 78125

Ion Ratio Lower Upper

43 100

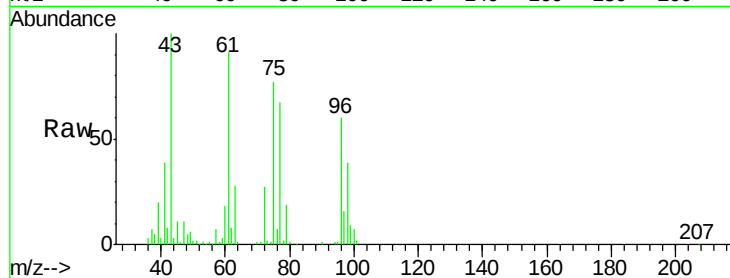
72 27.4 20.2 30.2

Manual Integrations

APPROVED

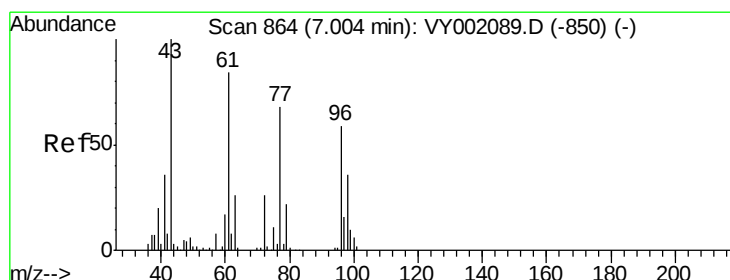
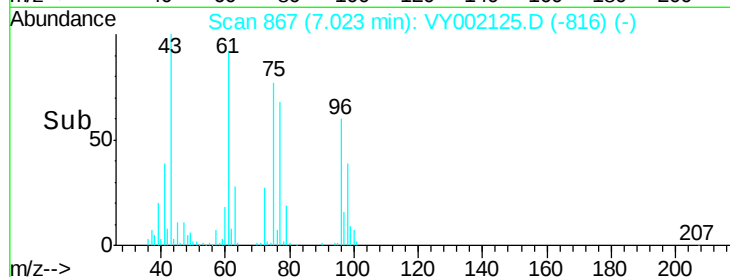
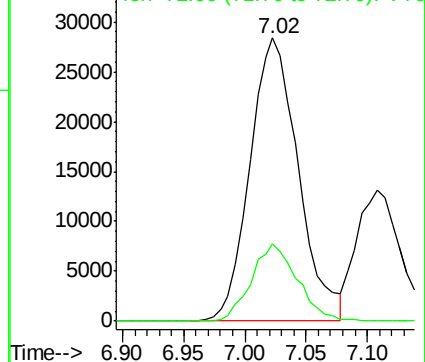
MMDadoda

4/1/2020 7:29:27 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: 21.697 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002125.D

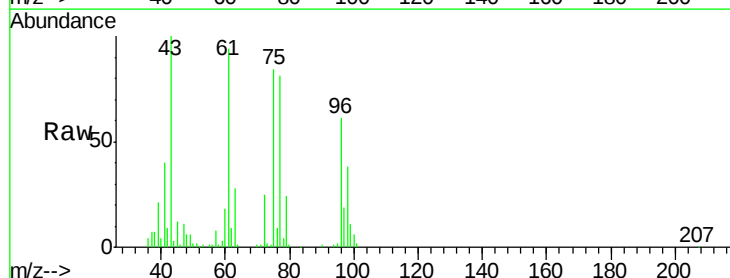
Acq: 31 Mar 2020 12:16

Tgt Ion: 77 Resp: 63295

Ion Ratio Lower Upper

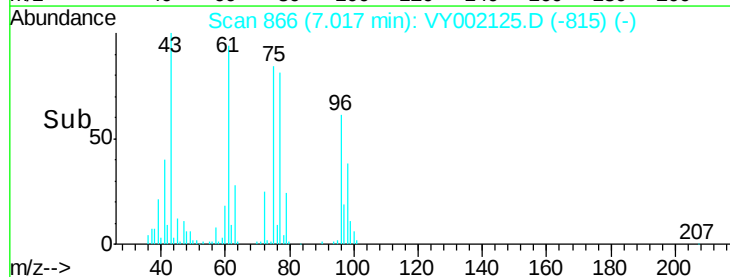
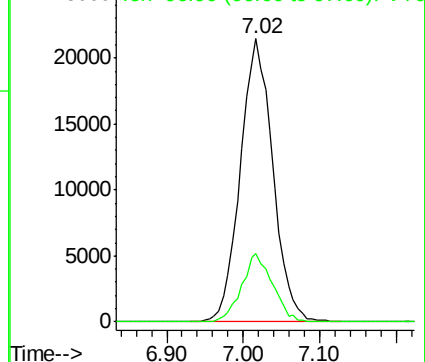
77 100

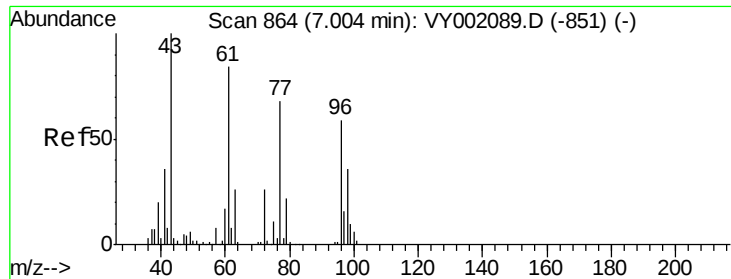
97 22.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

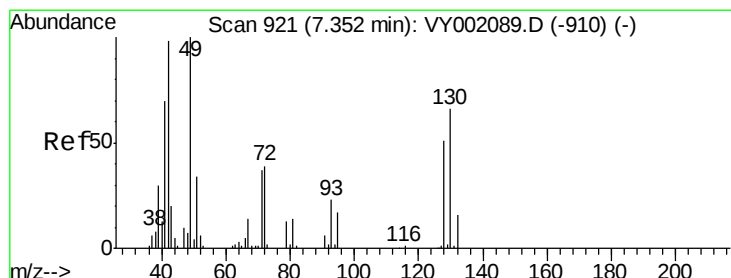
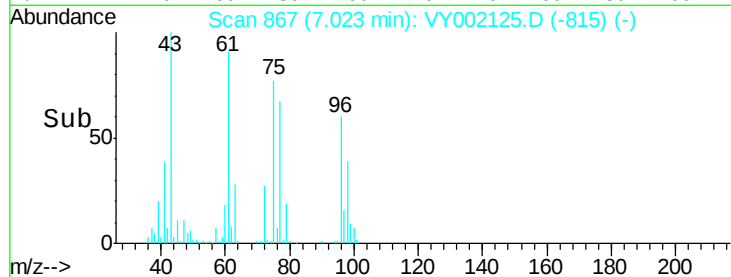
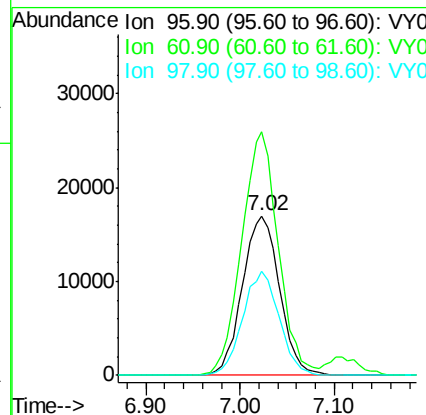
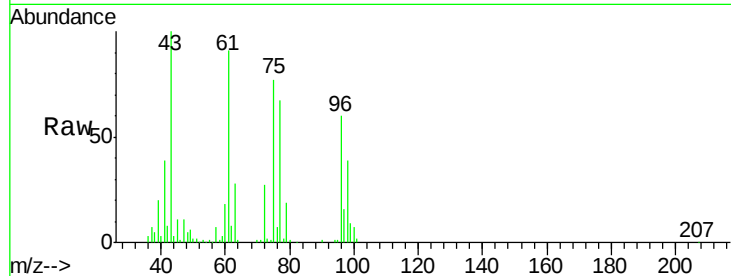
cis-1,2-Dichloroethene
 Concen: 21.051 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. 0.02 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	290.6
98	64.1	0.0	128.0

Manual Integrations
 APPROVED

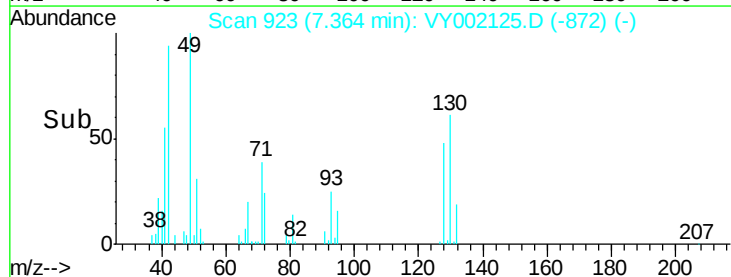
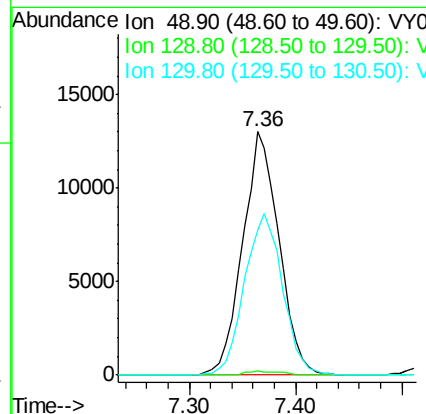
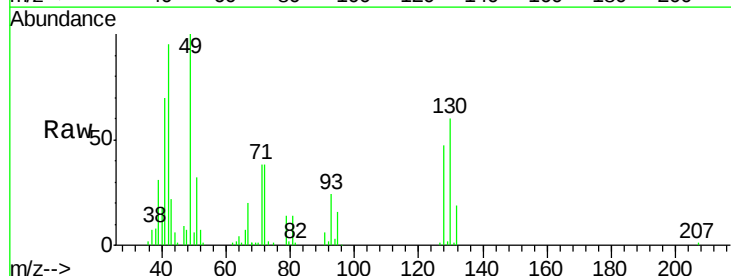
MMDadoda
 4/1/2020 7:29:27 PM

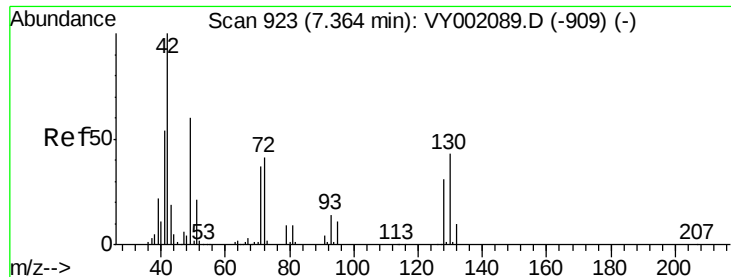


#28

Bromochloromethane
 Concen: 19.293 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	69.4	54.1	81.1





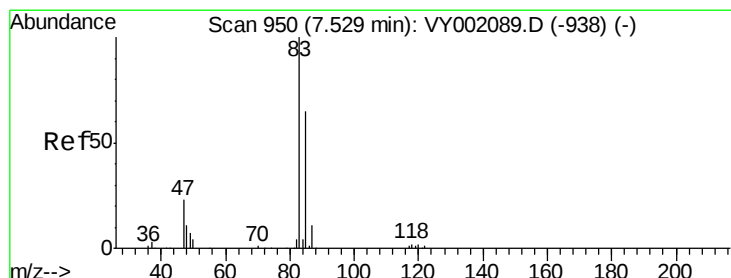
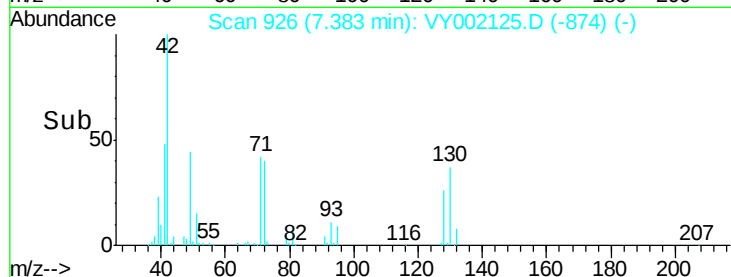
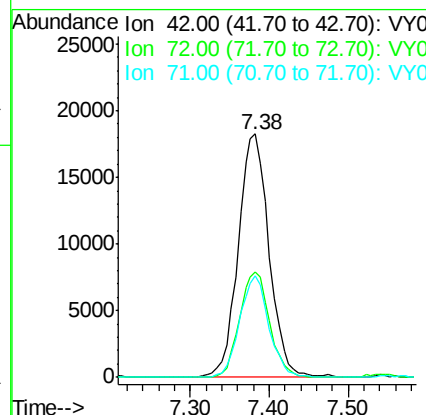
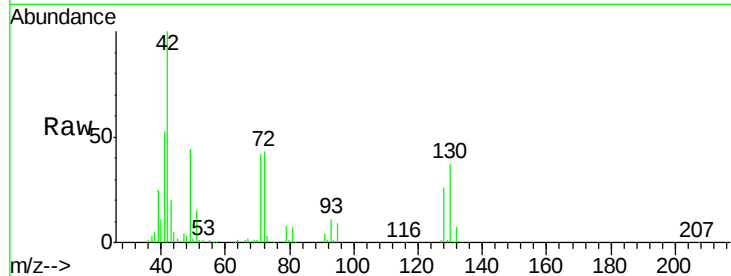
#29
Tetrahydrofuran
Concen: 96.910 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.0	49.4
71	39.2	31.2	46.8

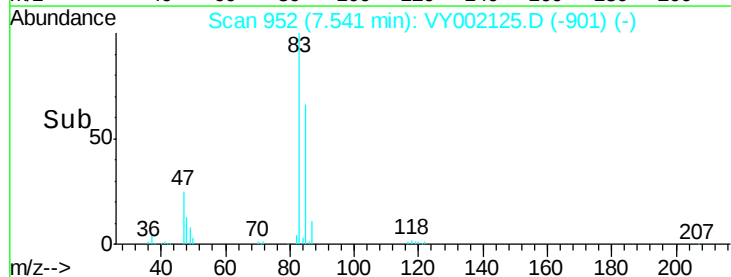
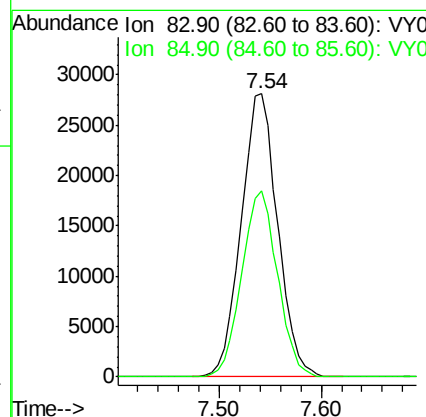
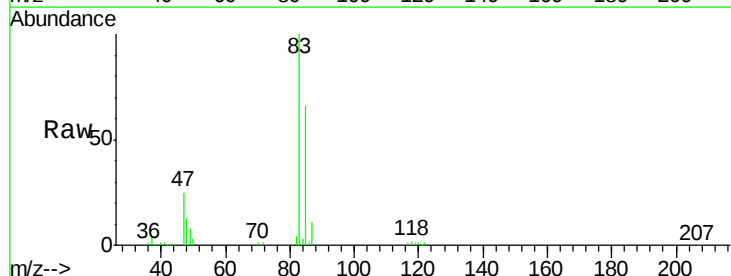
Manual Integrations
APPROVED

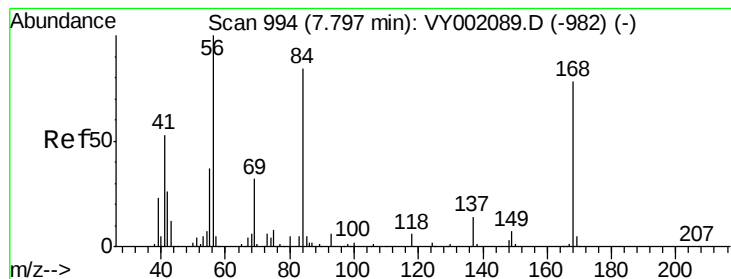
MMDadoda
4/1/2020 7:29:27 PM



#30
Chloroform
Concen: 20.784 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





#31

Cvclohexane

Concen: 20.967 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

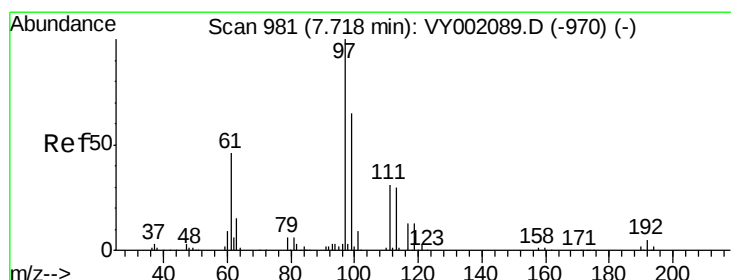
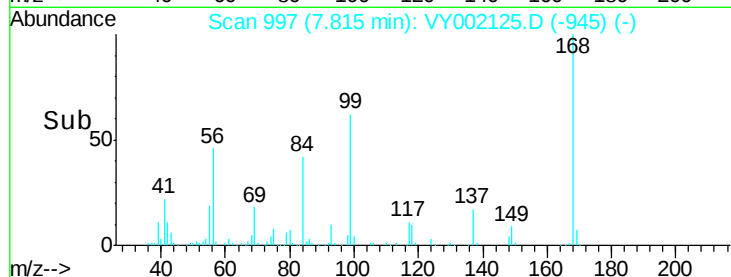
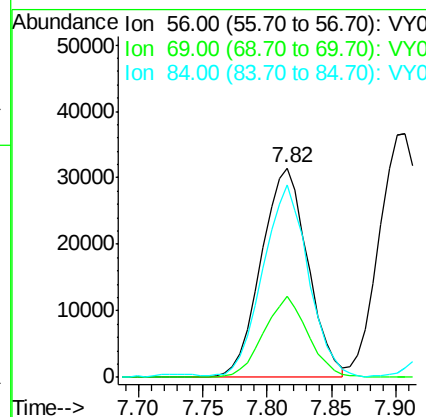
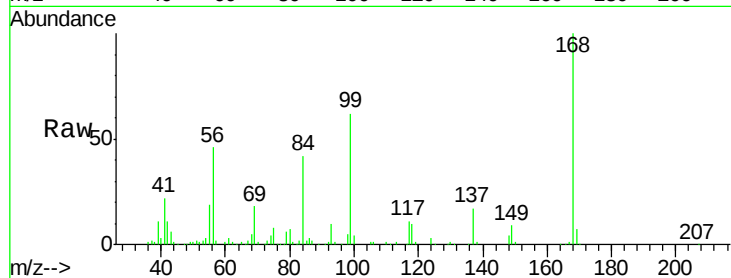
ClientSampleId :

VY0331SBS01

Tot Ion:	56	Resp:	79135
Ion Ratio	Lower	Upper	
56	100		
69	38.7	25.8	38.8
84	90.6	67.1	100.7

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#32

1,1,1-Trichloroethane

Concen: 21.091 ug/l

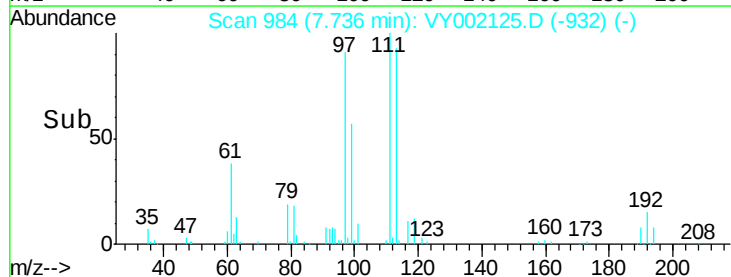
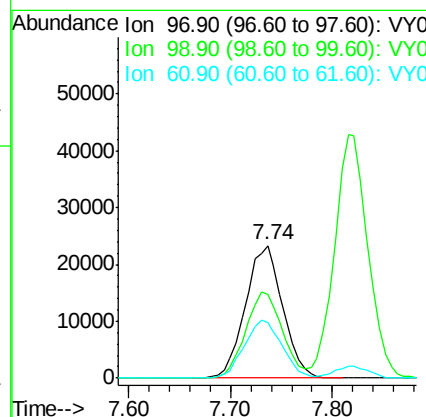
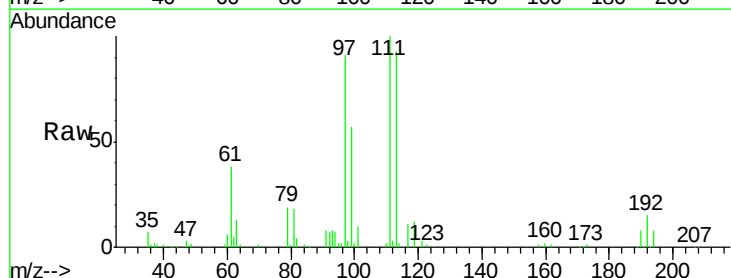
RT: 7.74 min Scan# 984

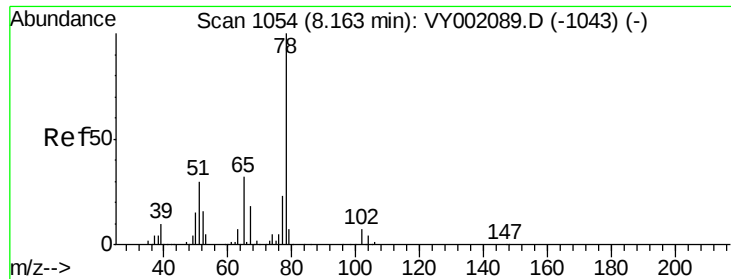
Delta R.T. 0.02 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	97	Resp:	59121
Ion Ratio	Lower	Upper	
97	100		
99	64.0	52.0	78.0
61	44.4	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 47.936 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 65 Resp: 86843

Ion Ratio Lower Upper

65 100

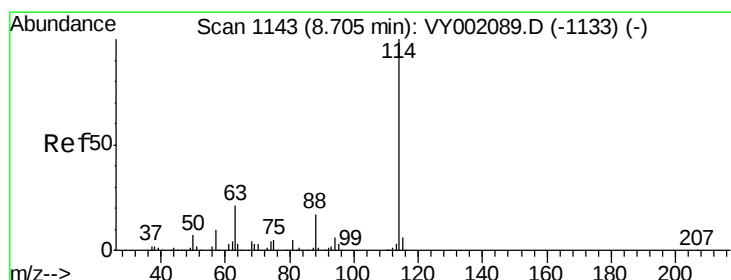
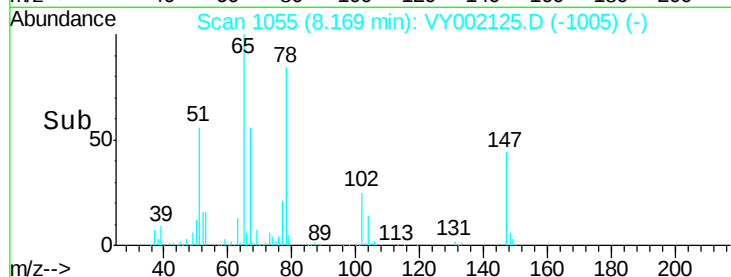
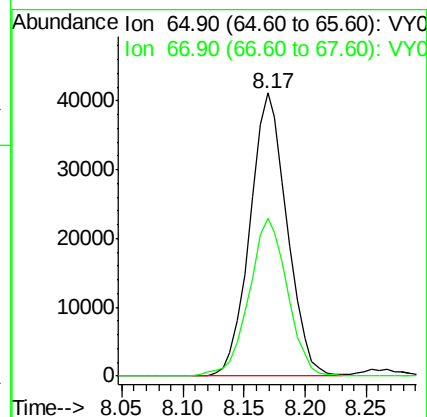
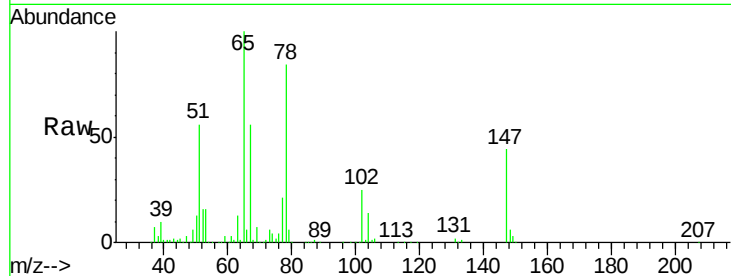
67 57.7 0.0 112.8

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

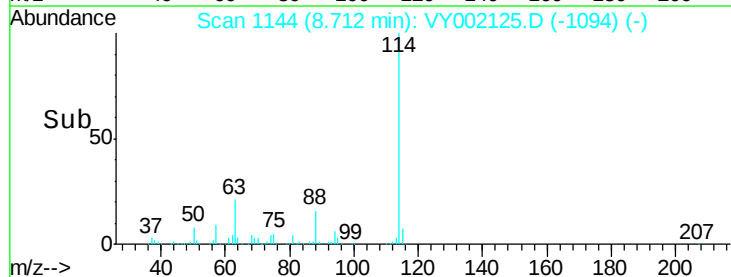
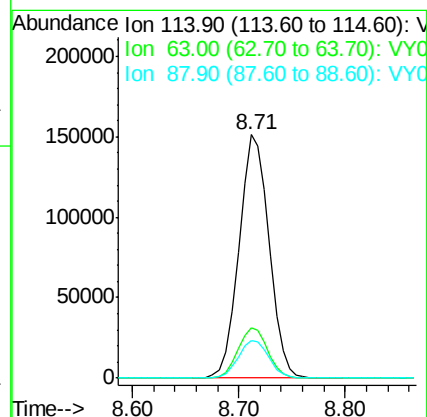
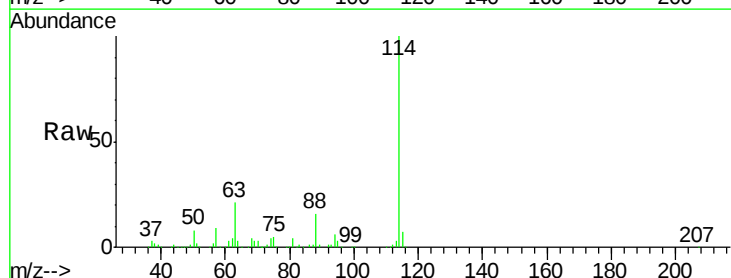
Tgt Ion: 114 Resp: 298815

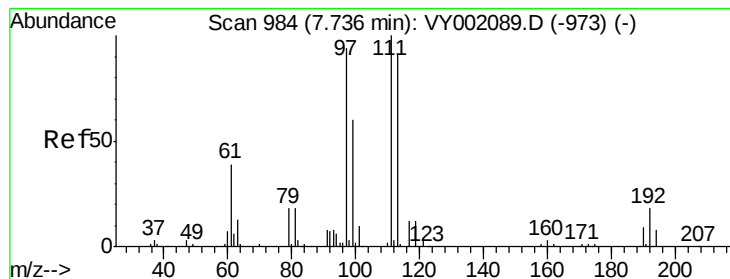
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.439 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion:113 Resp: 82776

Ion Ratio Lower Upper

113 100

111 103.4 84.4 126.6

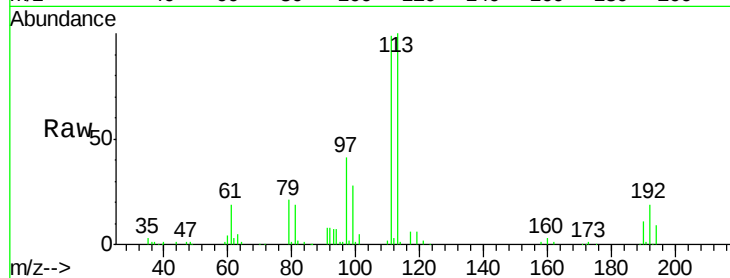
192 18.1 14.6 21.8

Manual Integrations

APPROVED

MMDadoda

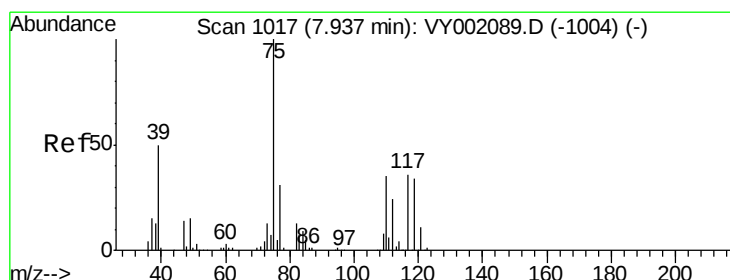
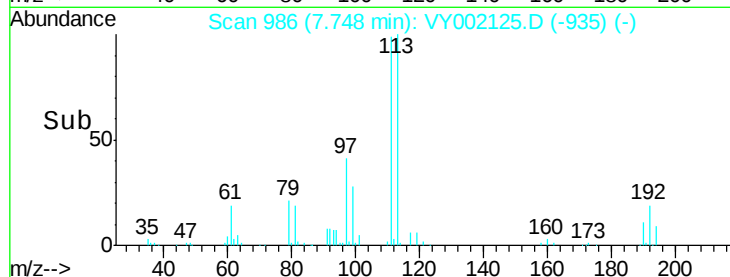
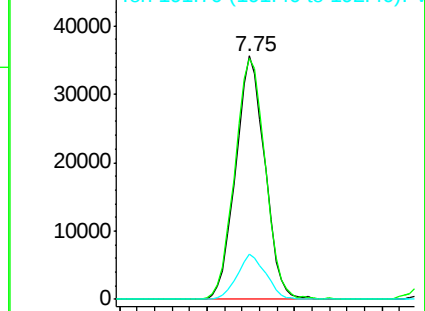
4/1/2020 7:29:27 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.974 ug/l

RT: 7.95 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

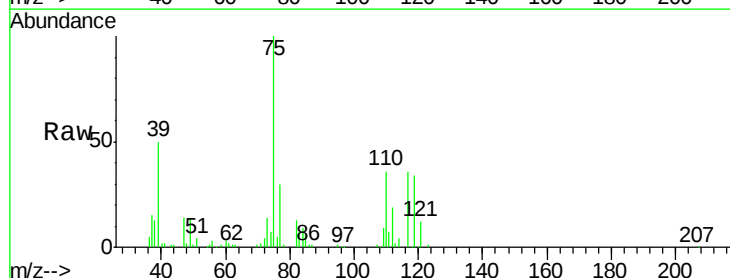
Tgt Ion: 75 Resp: 59281

Ion Ratio Lower Upper

75 100

110 34.9 17.2 51.6

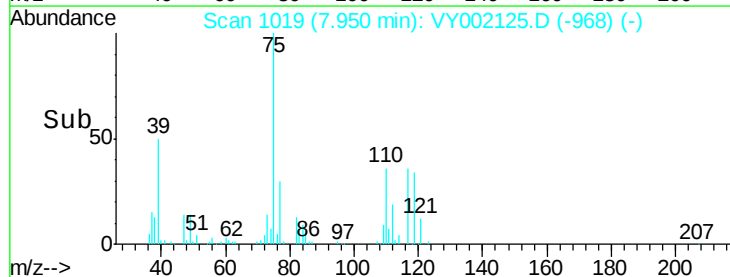
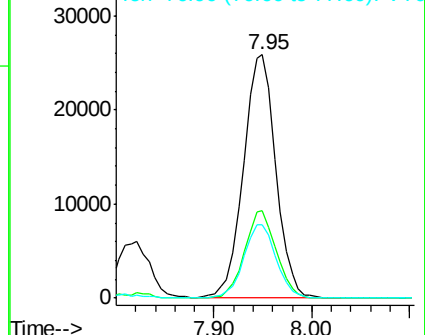
77 30.2 24.7 37.1

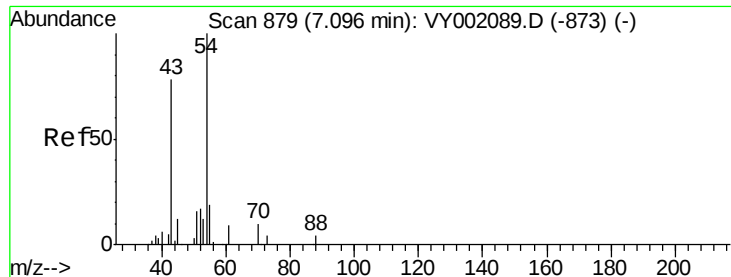


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





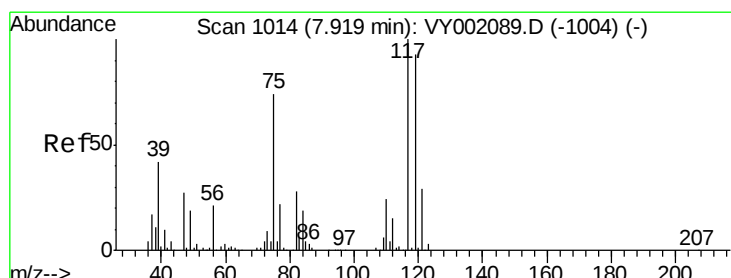
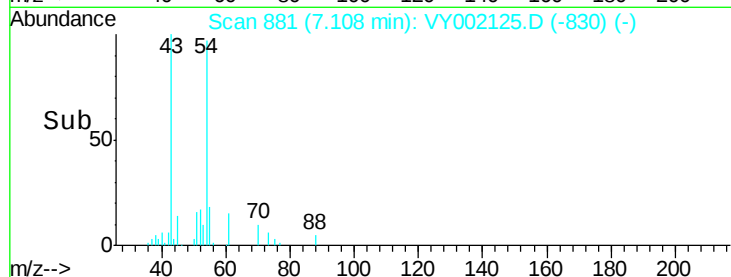
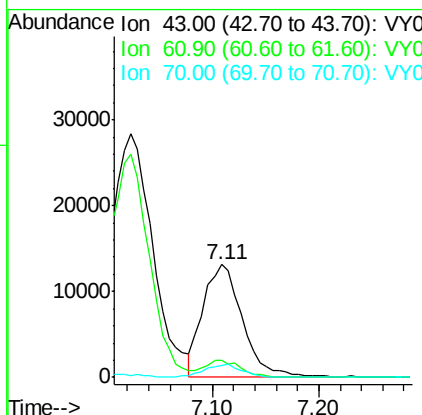
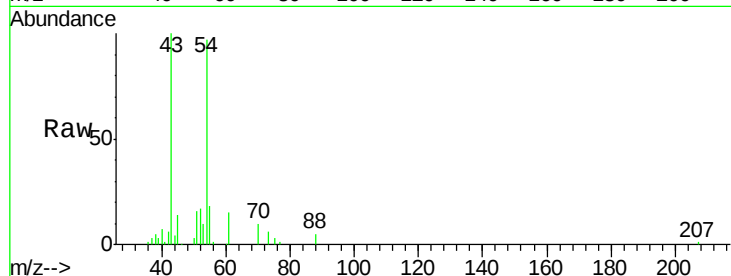
#37
Ethyl Acetate
Concen: 19.474 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	11.0	8.2	12.4

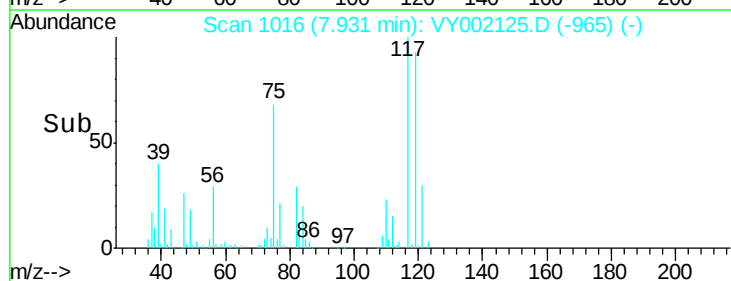
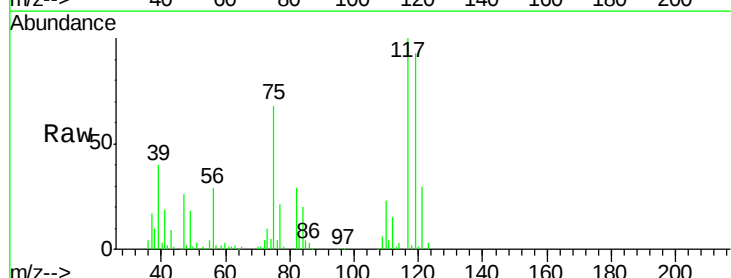
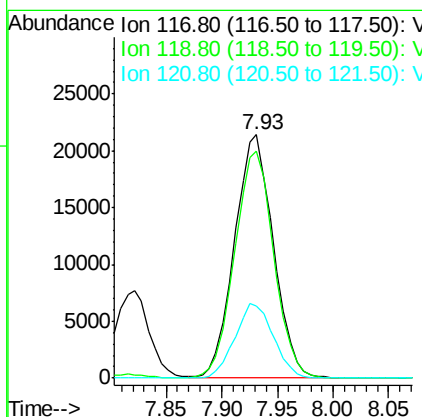
Manual Integrations
APPROVED

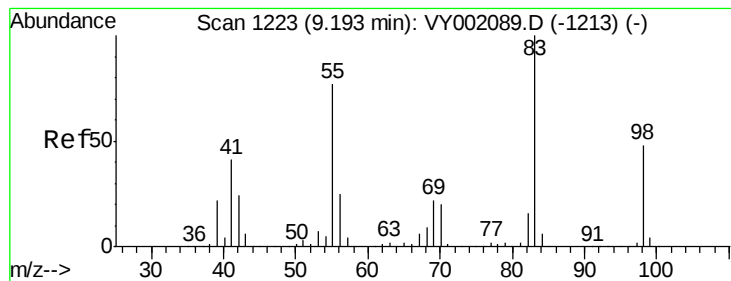
MMDadoda
4/1/2020 7:29:27 PM



#38
Carbon Tetrachloride
Concen: 21.615 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.3	111.5
121	29.7	23.3	34.9





#39

Methvlcvclohexane

Concen: 21.301 ug/l

RT: 9.21 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

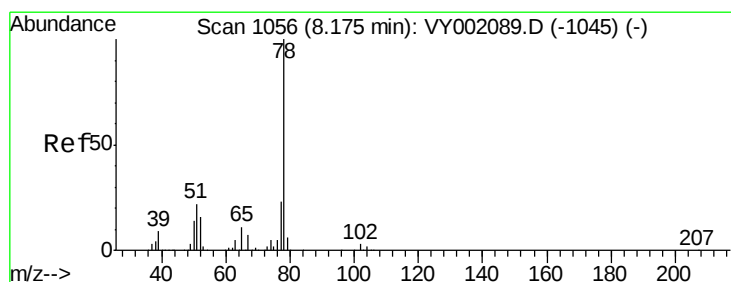
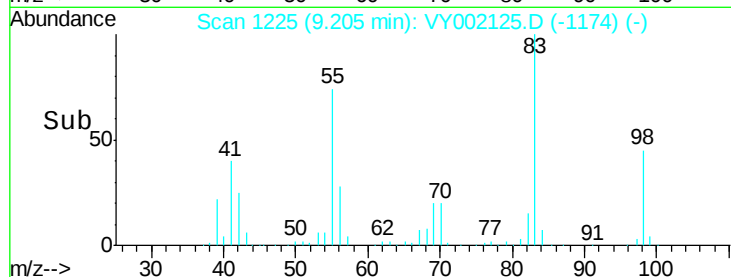
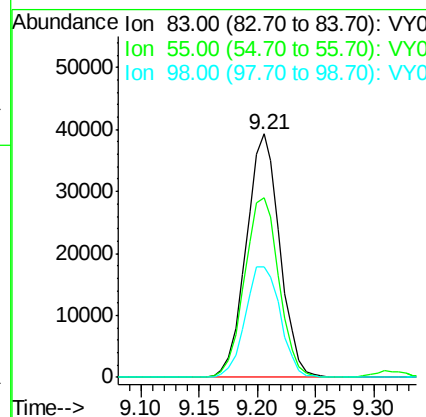
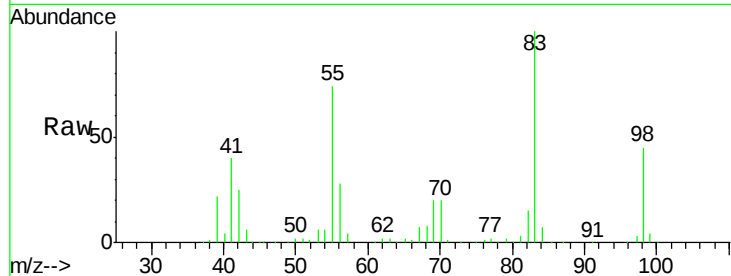
ClientSampleId :

VY0331SBS01

Tot Ion:	83.00	Resp:	78971
Ion Ratio	Lower	Upper	
83	100		
55	73.6	61.2	91.8
98	45.2	38.2	57.2

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#40

Benzene

Concen: 21.181 ug/l

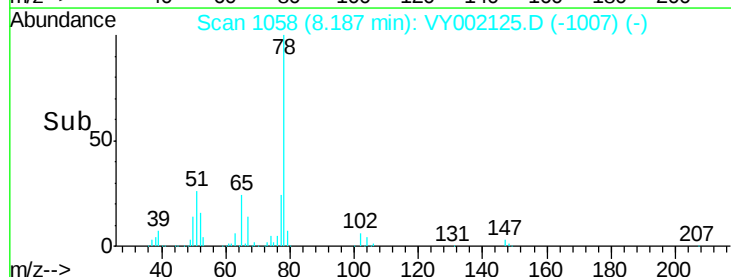
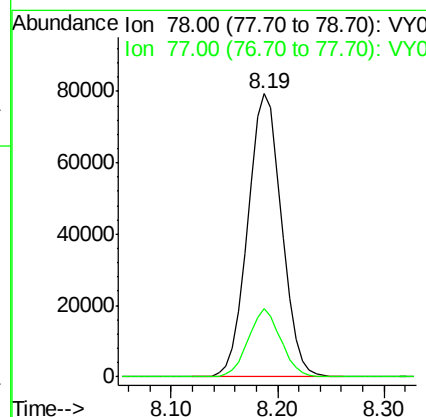
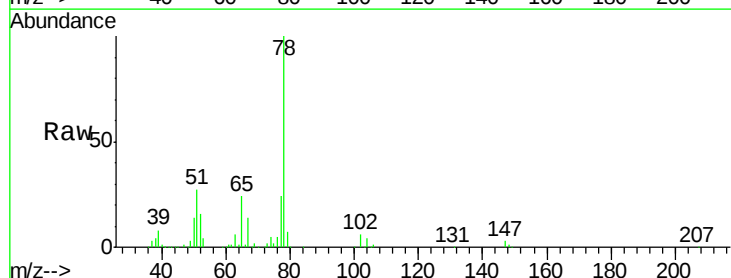
RT: 8.19 min Scan# 1058

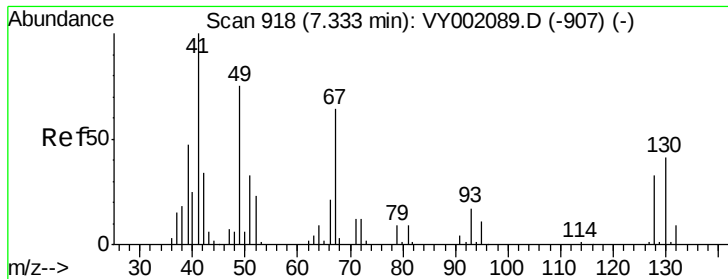
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	78.00	Resp:	177329
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.2	27.4





#41

Methacrylonitrile

Concen: 18.889 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 41 Resp: 16319

Ion Ratio Lower Upper

41 100

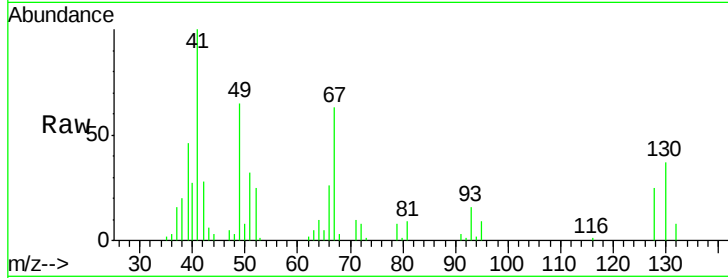
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM

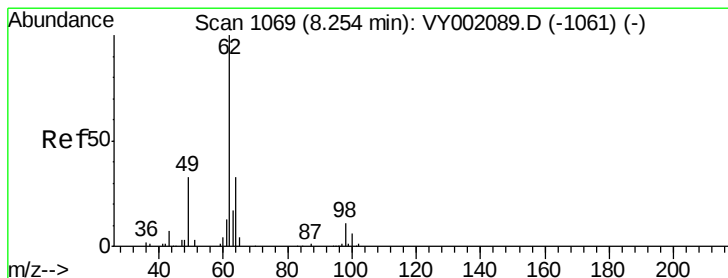
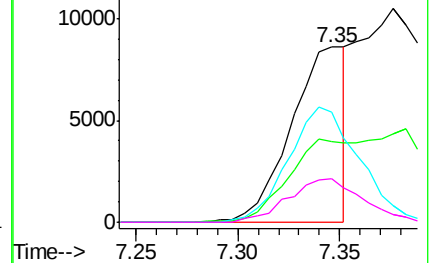
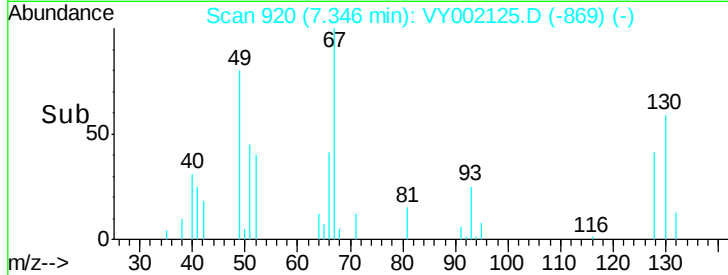


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.785 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VY002125.D

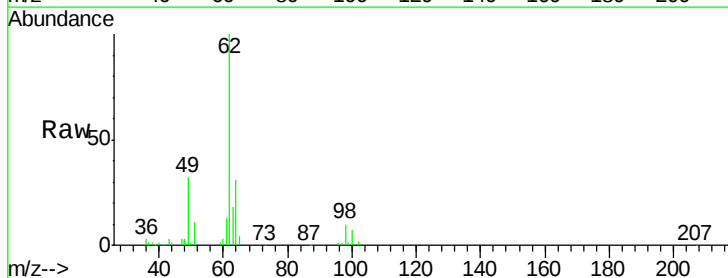
Acq: 31 Mar 2020 12:16

Tgt Ion: 62 Resp: 46200

Ion Ratio Lower Upper

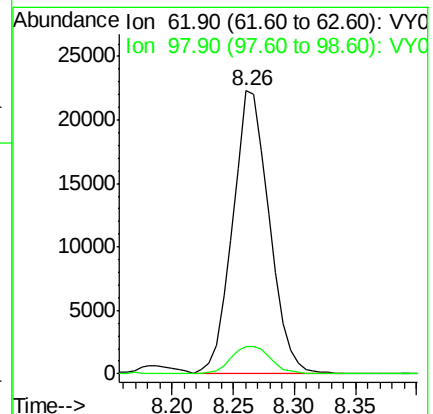
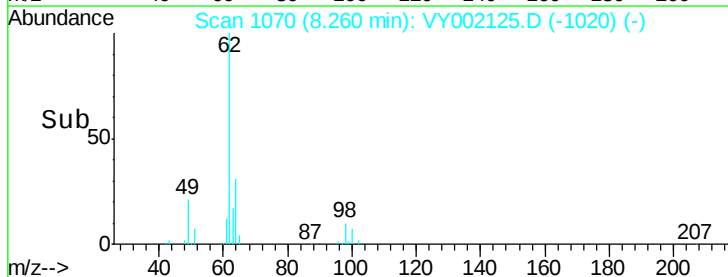
62 100

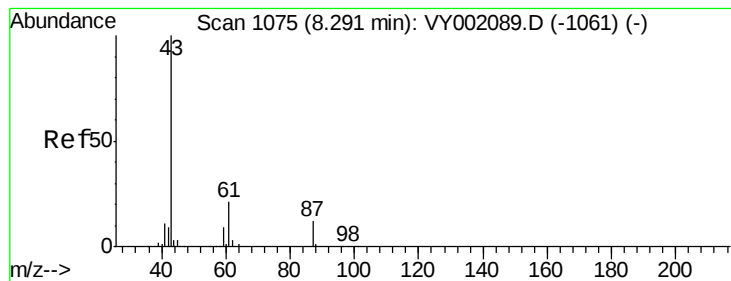
98 10.5 0.0 21.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

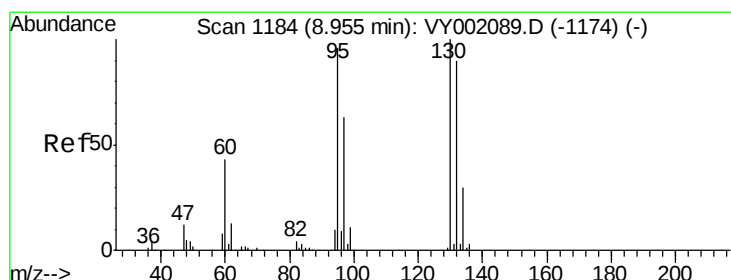
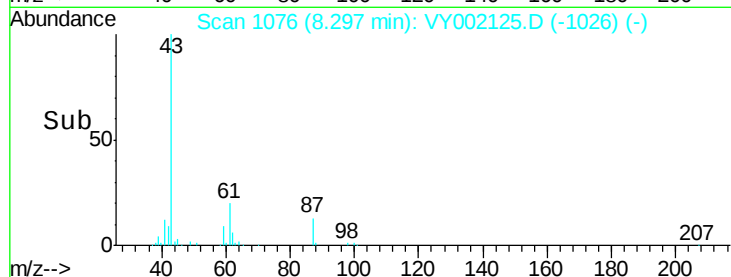
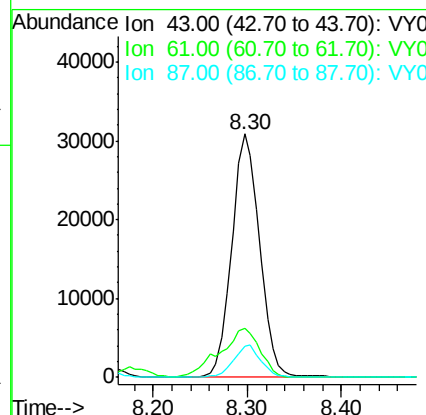
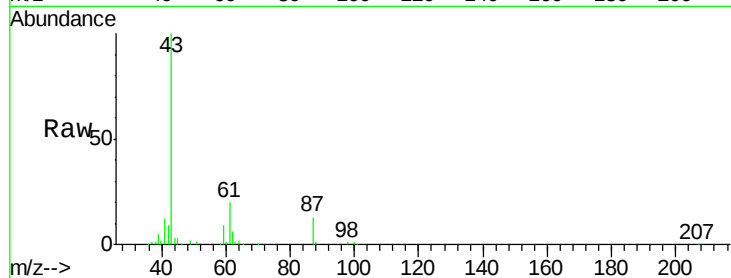
Isopropyl Acetate
 Concen: 20.027 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	43	61	87
Resp	63487		
Ratio	100	28.8	13.0
Lower		23.4	10.2
Upper		35.2	15.4

Manual Integrations
 APPROVED

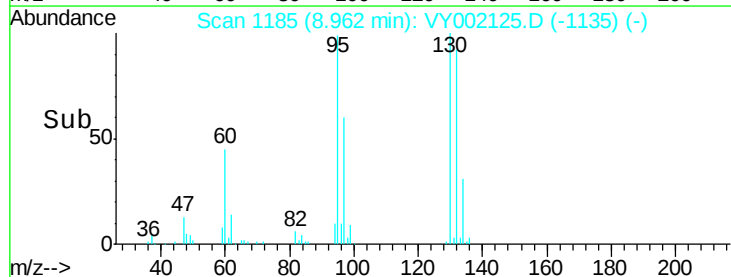
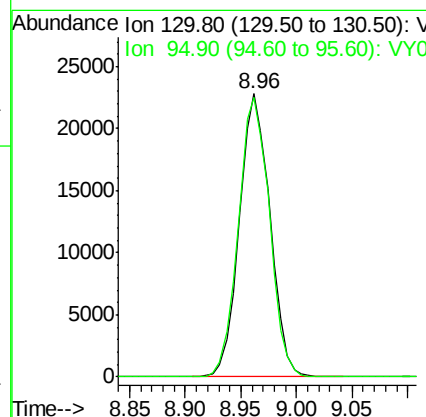
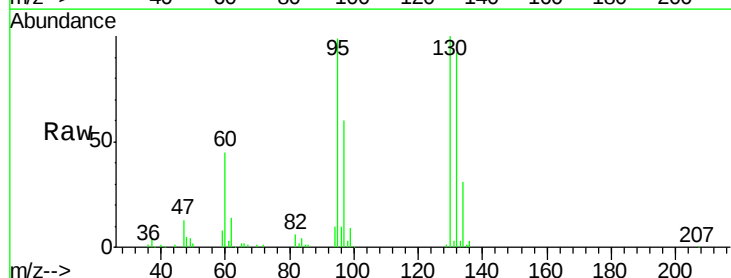
MMDadoda
 4/1/2020 7:29:27 PM

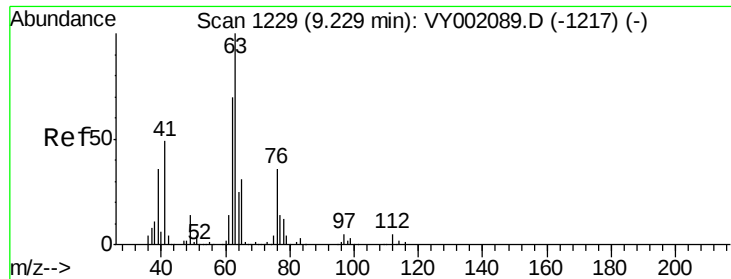


#44

Trichloroethene
 Concen: 21.515 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	130	95
Resp	43420	
Ratio	100	98.8
Lower		0.0
Upper		193.0





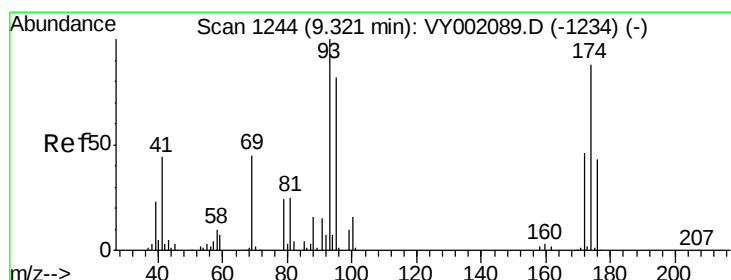
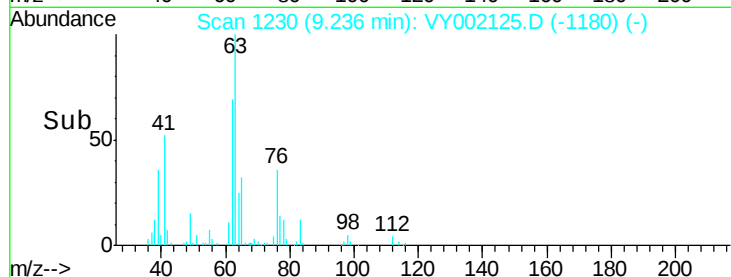
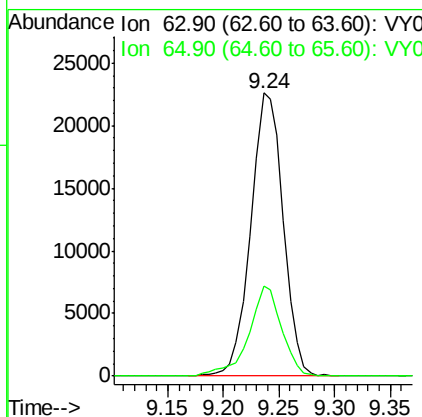
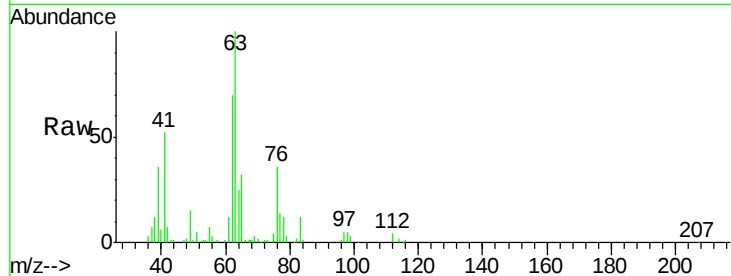
#45
 1,2-Dichloropropane
 Concen: 21.511 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion: 63 Resp: 45856
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

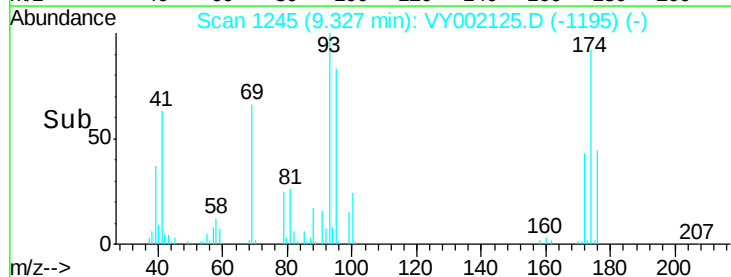
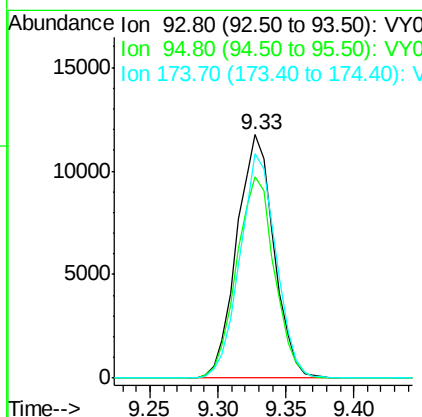
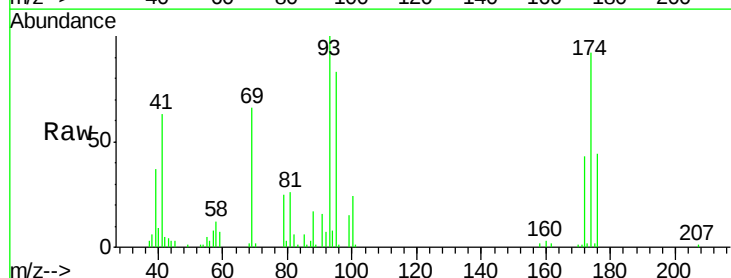
Manual Integrations
 APPROVED

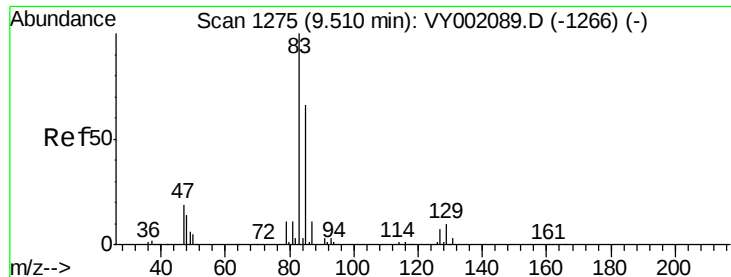
MMDadoda
 4/1/2020 7:29:27 PM



#46
 Dibromomethane
 Concen: 20.377 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion: 93 Resp: 22308
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.0 99.0
 174 90.4 69.8 104.8





#47

Bromodichloromethane

Concen: 21.176 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

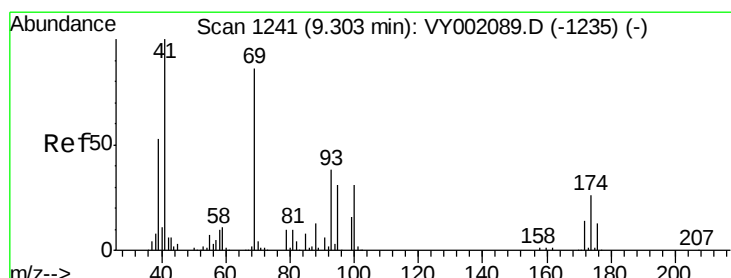
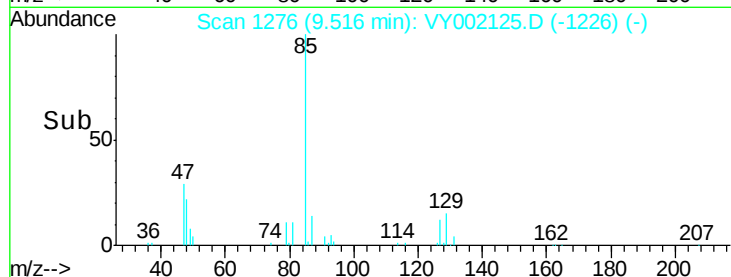
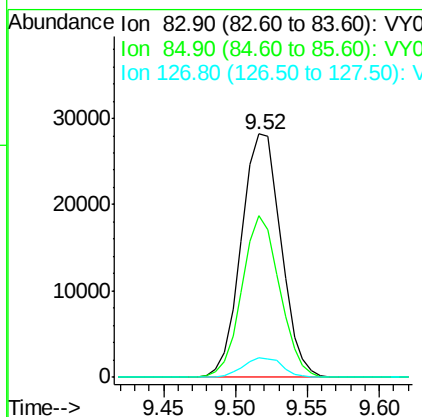
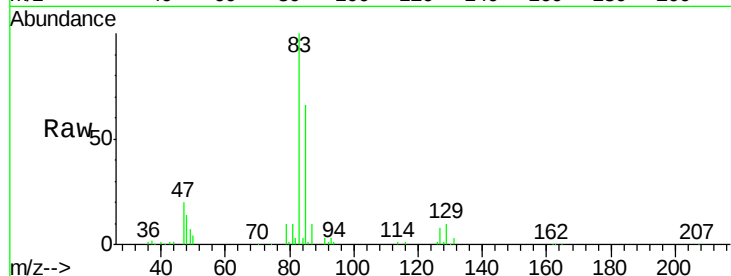
ClientSampleId :

VY0331SBS01

Tot Ion:	83	Resp:	53968
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	79.0
127	8.2	5.9	8.9

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#48

Methyl methacrylate

Concen: 20.504 ug/l

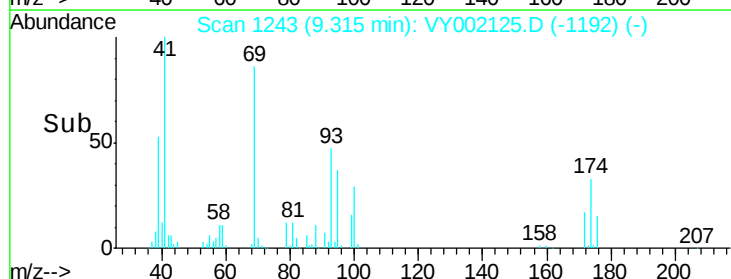
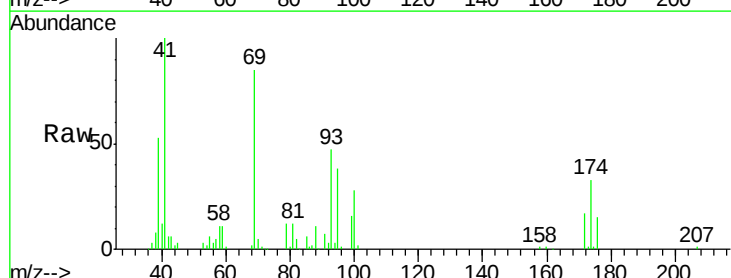
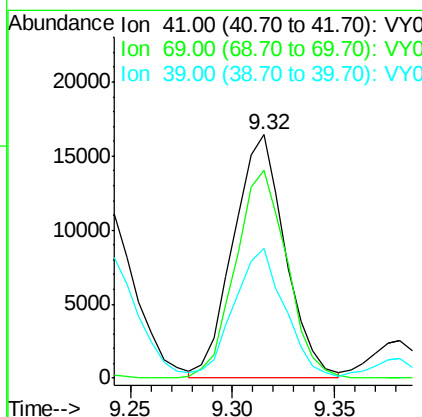
RT: 9.32 min Scan# 1243

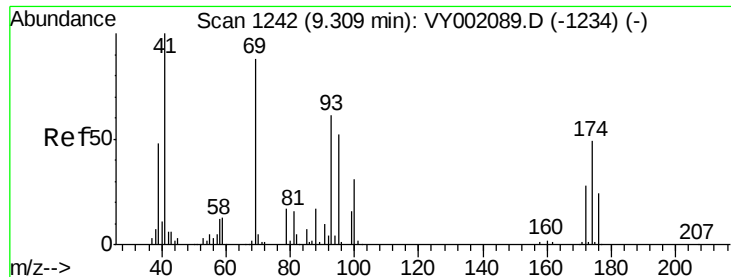
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	41	Resp:	29128
Ion	Ratio	Lower	Upper
41	100		
69	84.4	71.4	107.0
39	49.9	41.0	61.4





#49

1,4-Dioxane

Concen: 397.863 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

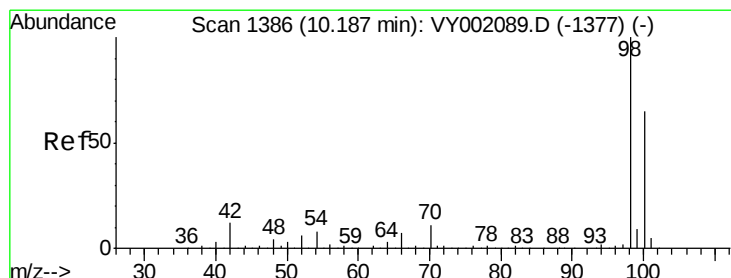
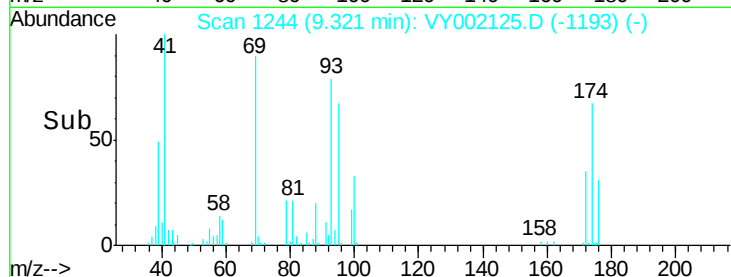
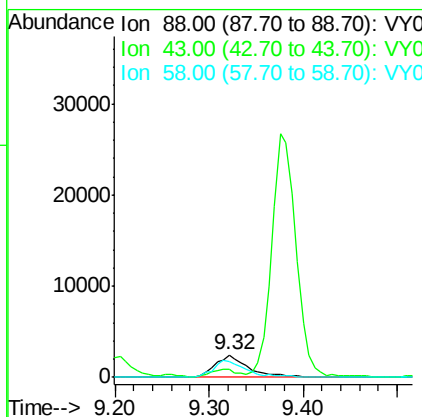
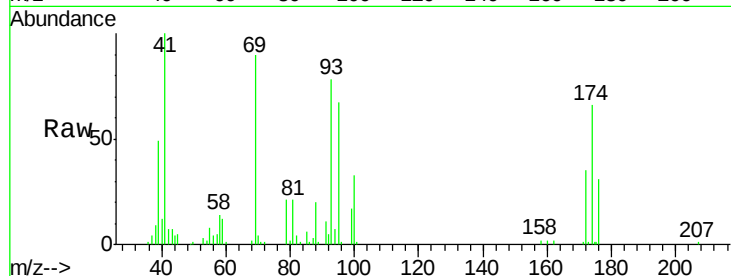
ClientSampleId :

VY0331SBS01

Tot Ion:	88	Resp:	5977
Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.2	40.8
58	77.0	59.8	89.8

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#50

Toluene-d8

Concen: 49.432 ug/l

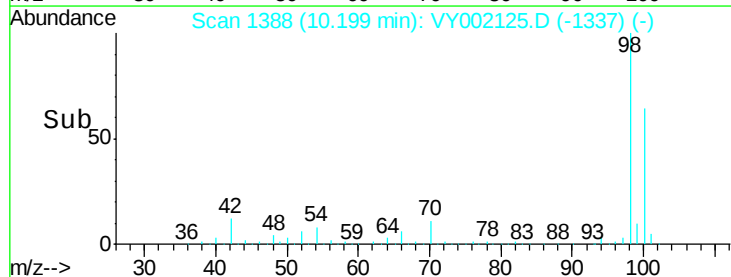
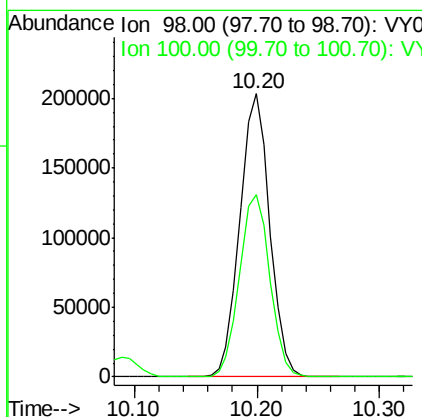
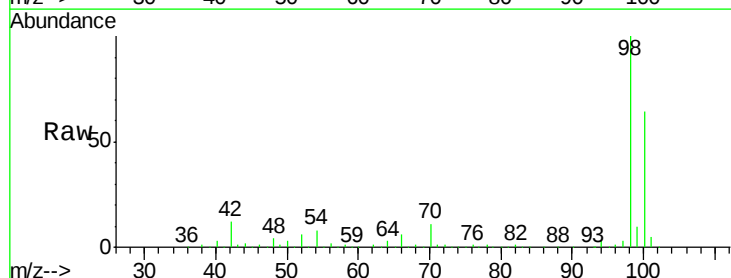
RT: 10.20 min Scan# 1388

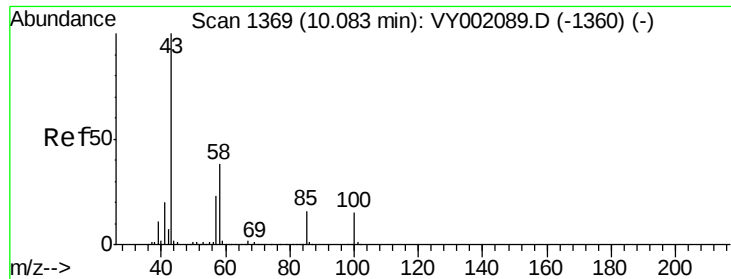
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	98	Resp:	343821
Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 103.362 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 43 Resp: 168723

Ion Ratio Lower Upper

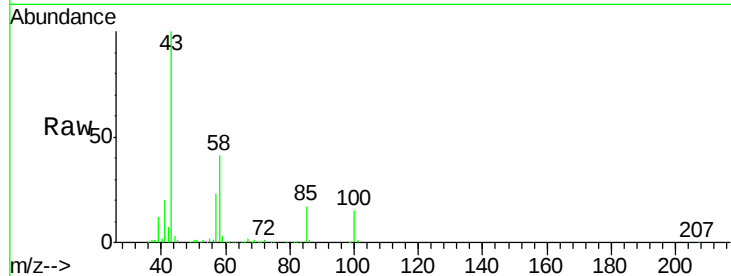
43 100

58 39.6 31.6 47.4

Manual Integrations
APPROVED

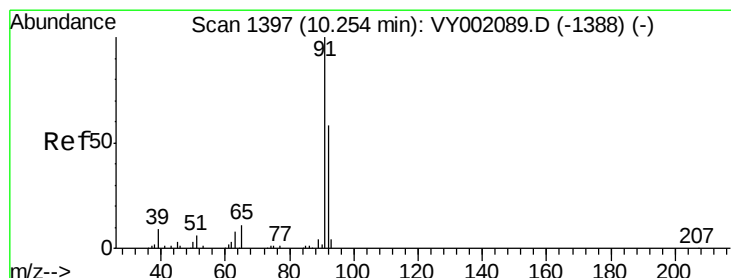
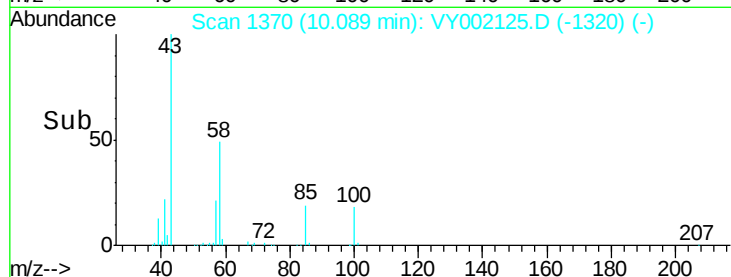
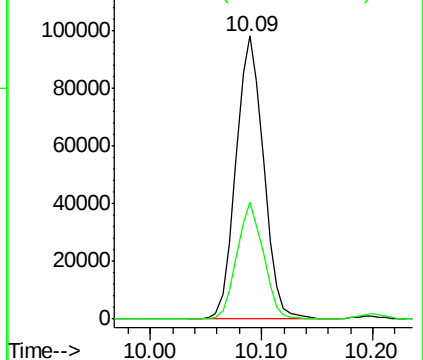
MMDadoda

4/1/2020 7:29:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 21.202 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY002125.D

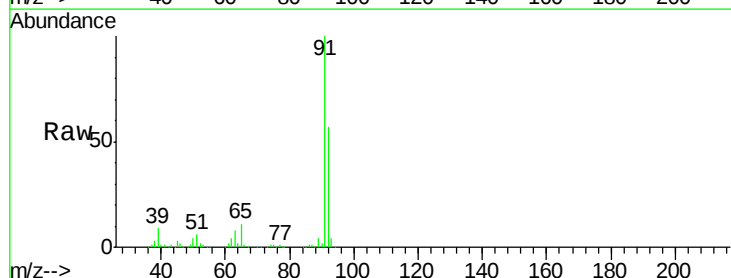
Acq: 31 Mar 2020 12:16

Tgt Ion: 92 Resp: 107360

Ion Ratio Lower Upper

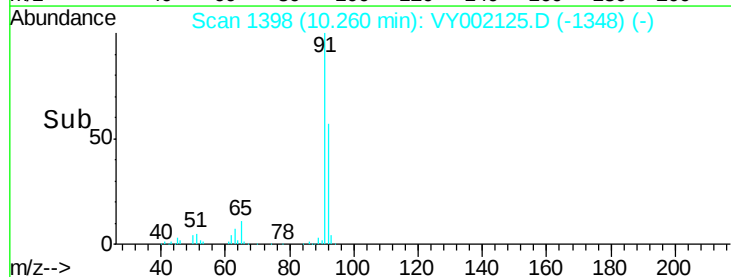
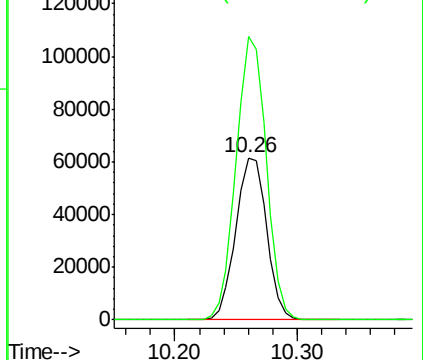
92 100

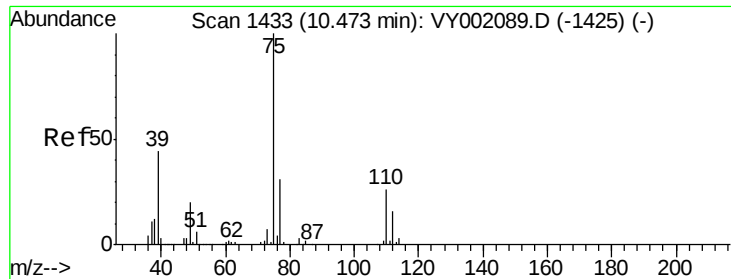
91 171.4 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





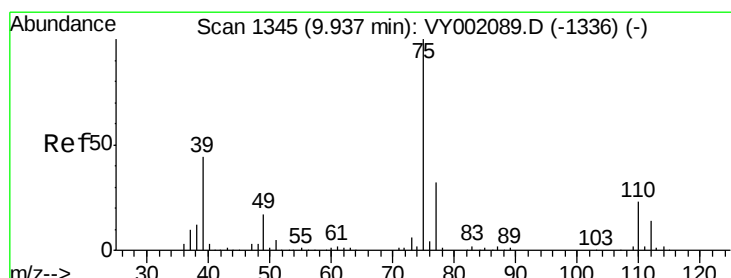
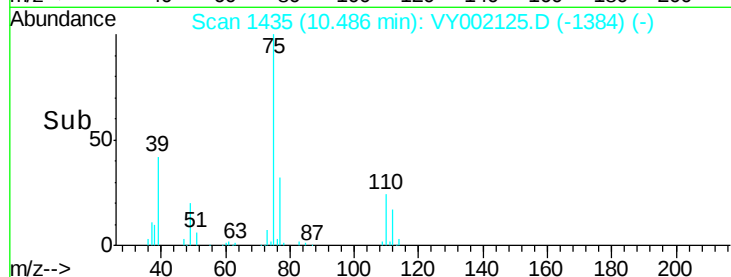
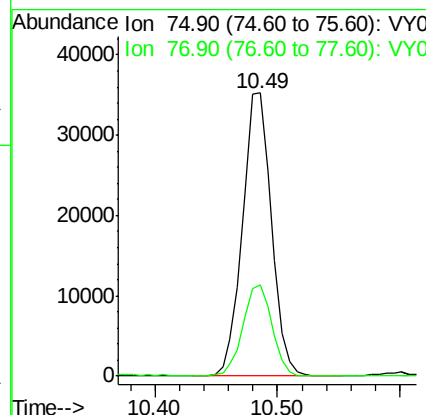
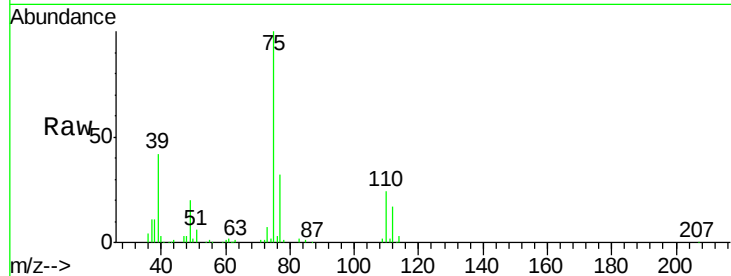
#53
t-1,3-Dichloropropene
Concen: 20.503 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion: 75 Resp: 57998
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8

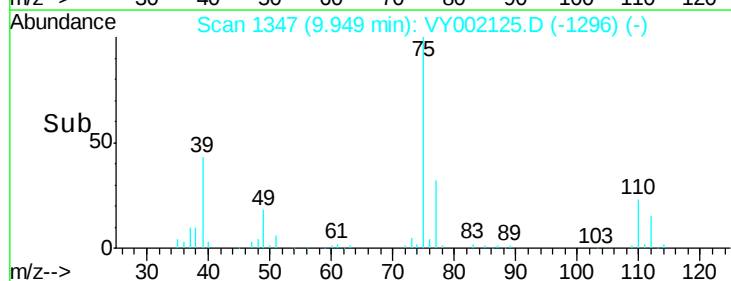
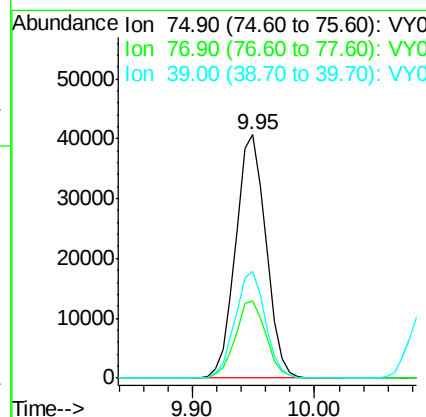
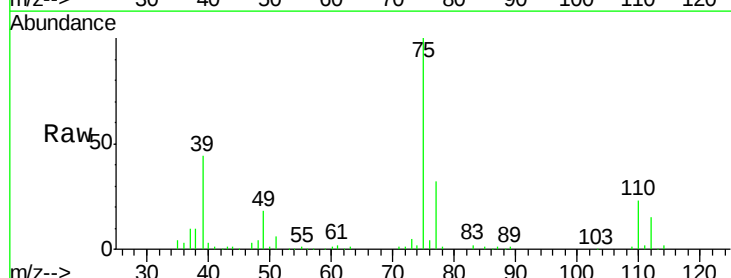
Manual Integrations
APPROVED

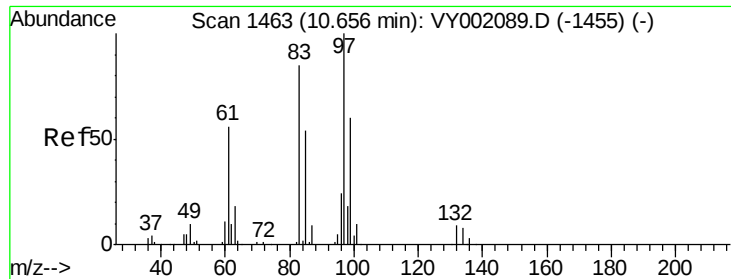
MMDadoda
4/1/2020 7:29:27 PM



#54
cis-1,3-Dichloropropene
Concen: 20.876 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion: 75 Resp: 69527
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4
39 44.0 35.2 52.8





#55

1,1,2-Trichloroethane

Concen: 20.062 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

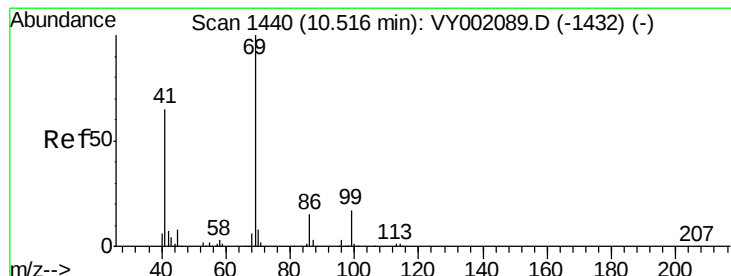
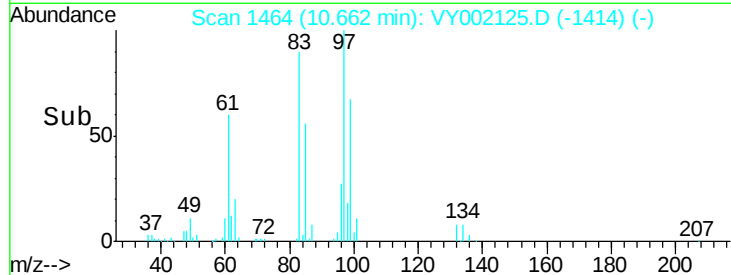
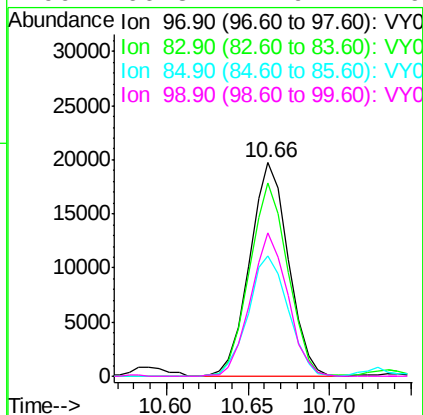
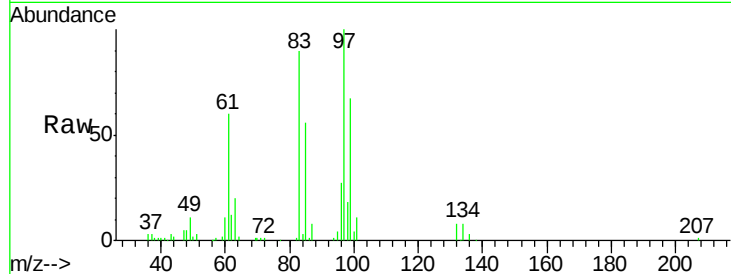
ClientSampleId :

VY0331SBS01

Tot Ion:	97	Resp:	32506
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.2	102.2
85	56.2	42.9	64.3
99	66.8	47.9	71.9

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#56

Ethyl methacrylate

Concen: 19.815 ug/l

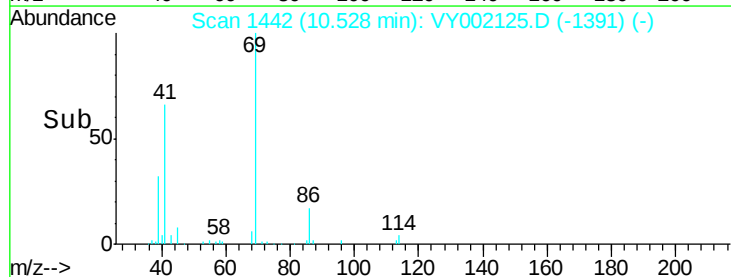
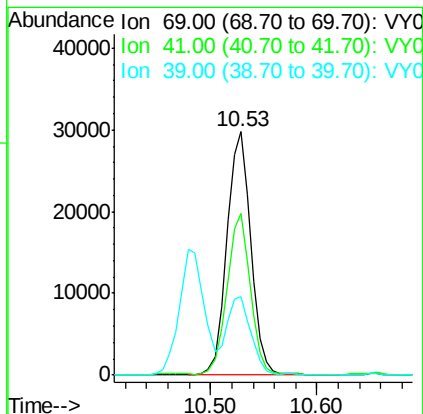
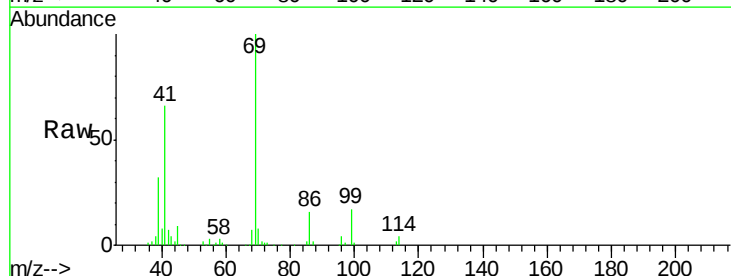
RT: 10.53 min Scan# 1442

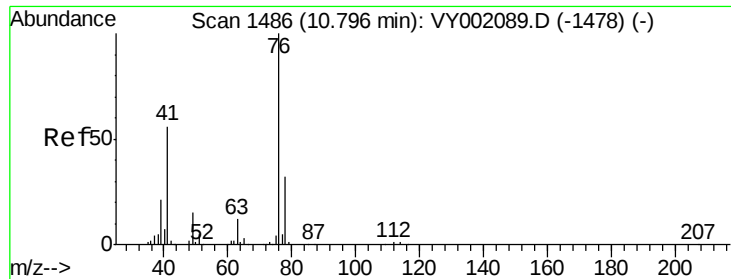
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	69	Resp:	46894
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.8	79.2
39	32.5	25.0	37.6





#57

1,3-Dichloropropane

Concen: 20.764 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 76 Resp: 59442

Ion Ratio Lower Upper

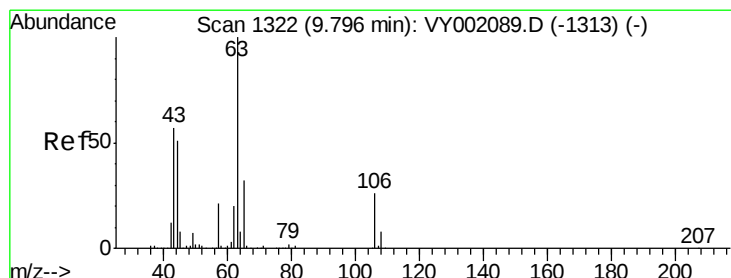
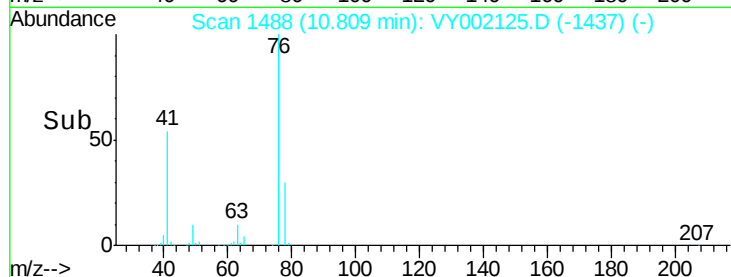
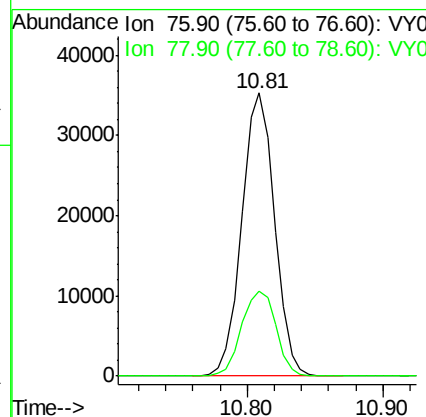
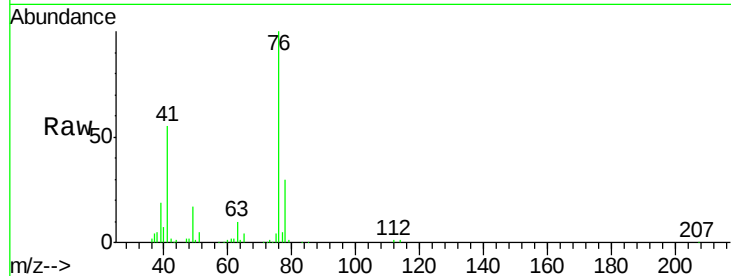
76 100

78 31.4 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

4/1/2020 7:29:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.248 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002125.D

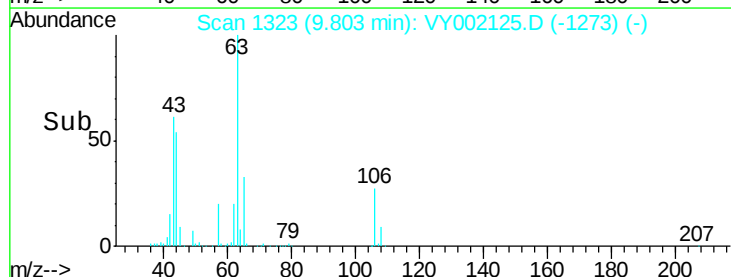
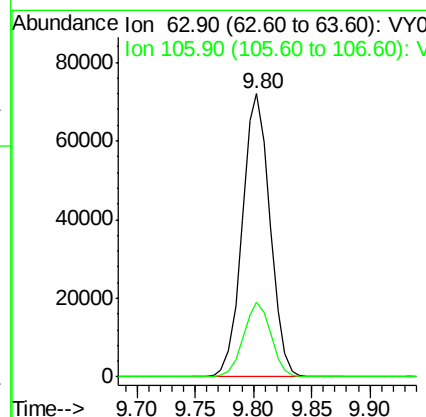
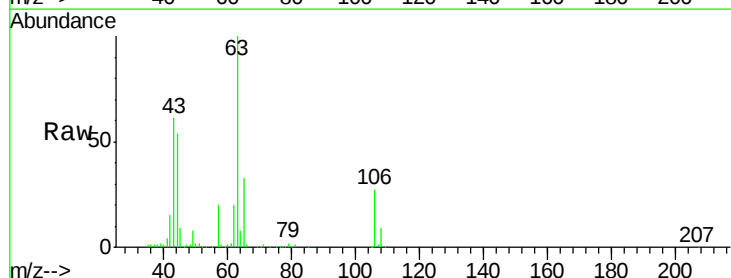
Acq: 31 Mar 2020 12:16

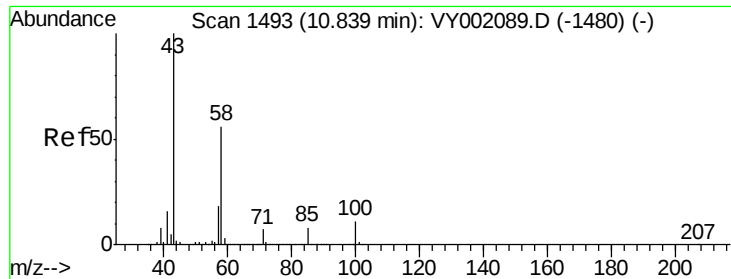
Tgt Ion: 63 Resp: 119473

Ion Ratio Lower Upper

63 100

106 26.2 21.0 31.4





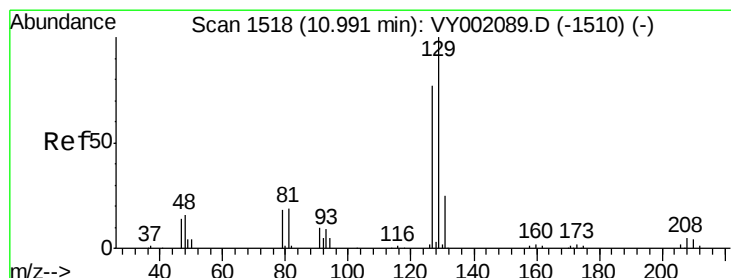
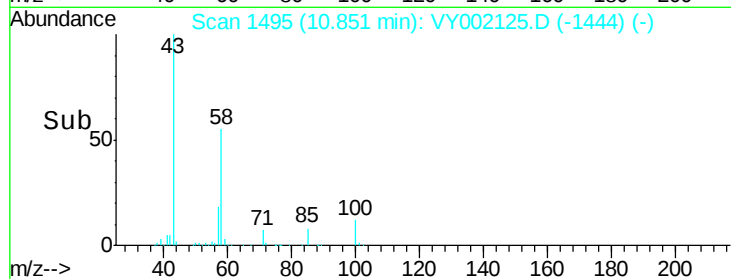
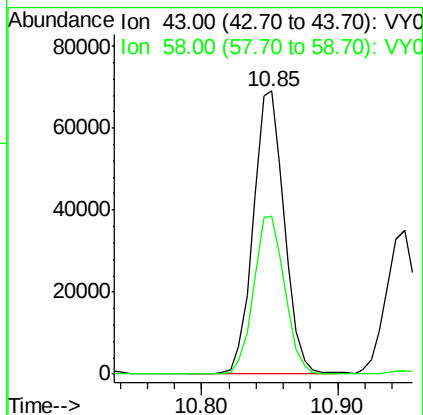
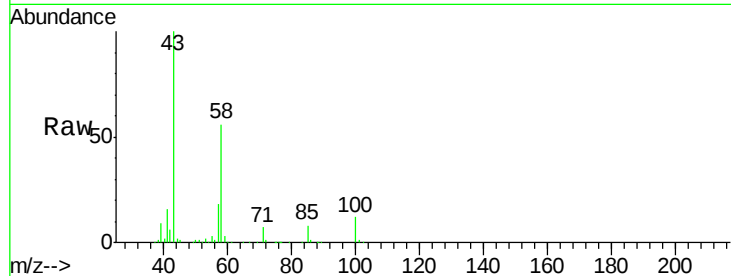
#59
2-Hexanone
Concen: 96.281 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion: 43 Resp: 110709
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.6

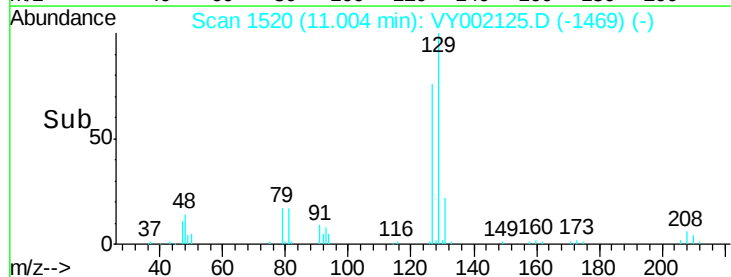
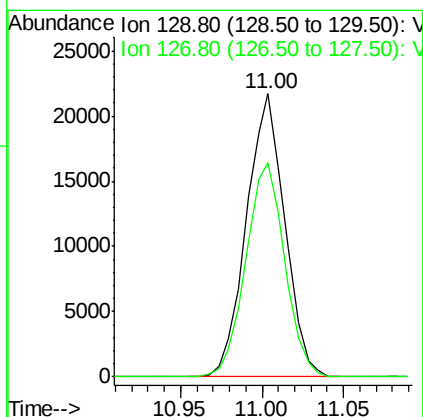
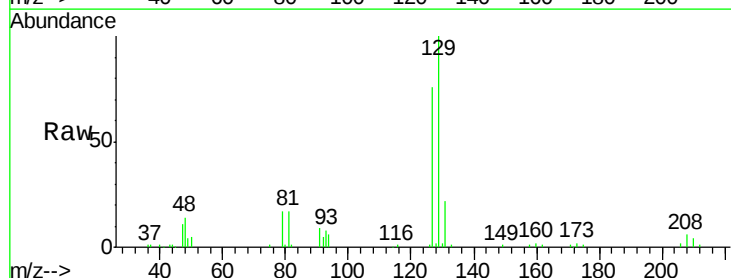
Manual Integrations
APPROVED

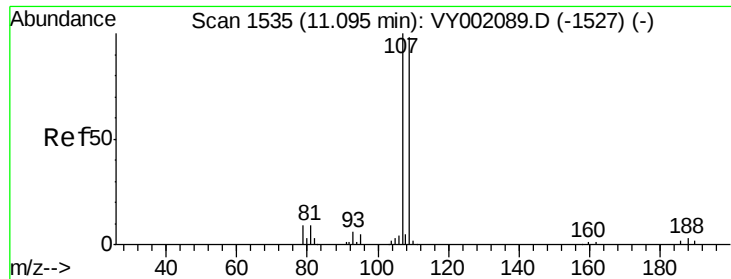
MMDadoda
4/1/2020 7:29:27 PM



#60
Dibromochloromethane
Concen: 20.859 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion: 129 Resp: 35366
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





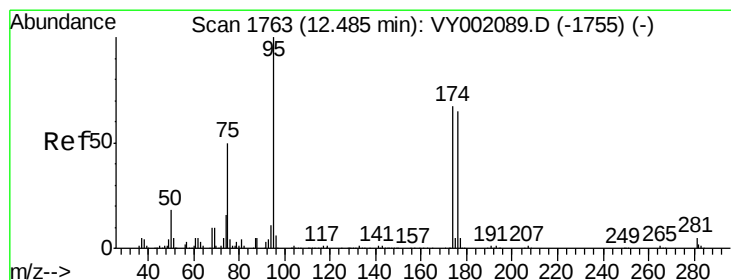
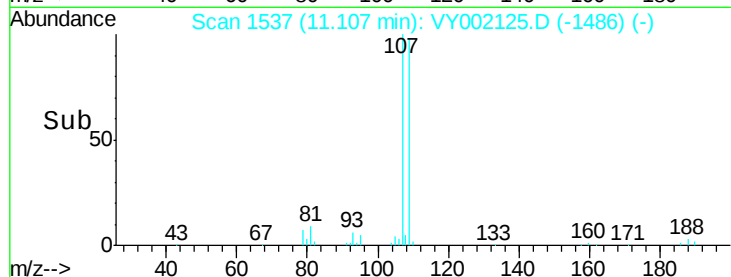
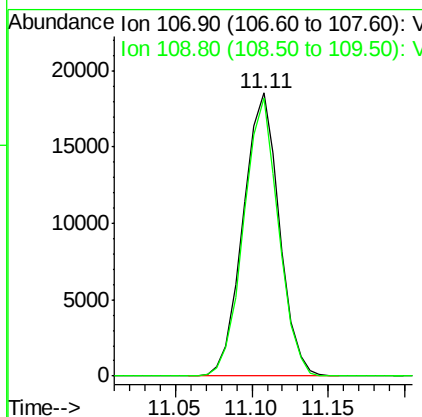
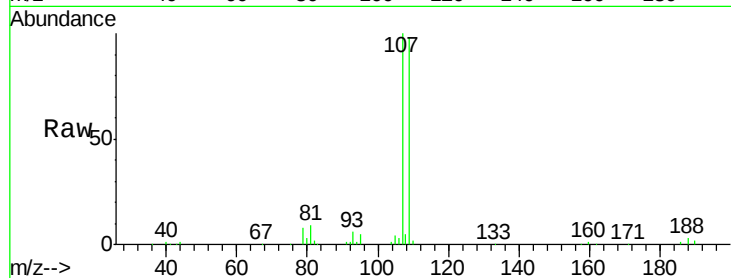
#61
 1,2-Dibromoethane
 Concen: 20.033 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.3	114.5

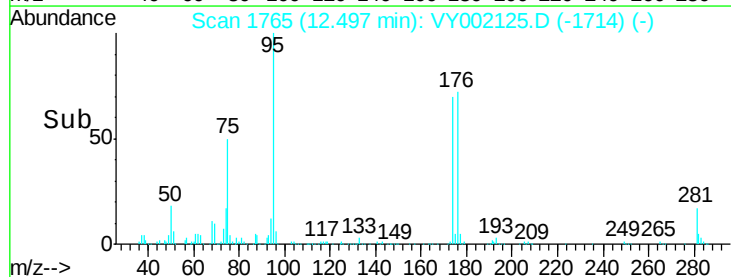
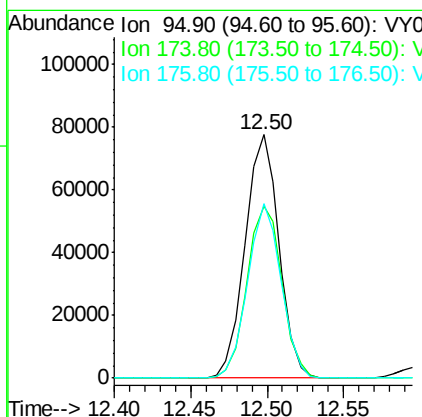
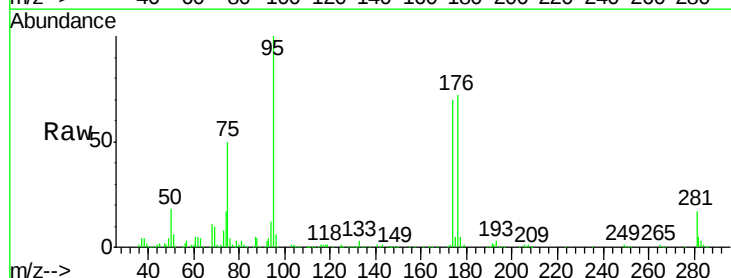
Manual Integrations
 APPROVED

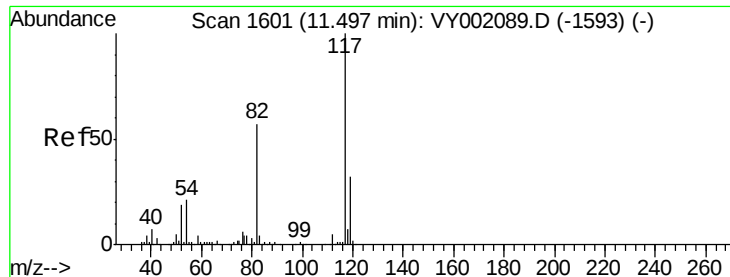
MMDadoda
 4/1/2020 7:29:27 PM



#62
 4-Bromofluorobenzene
 Concen: 48.955 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	143.4
176	71.2	0.0	137.0





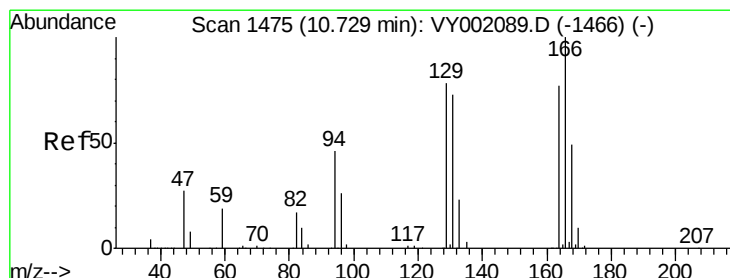
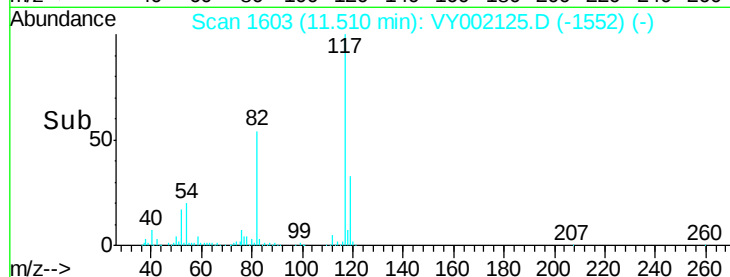
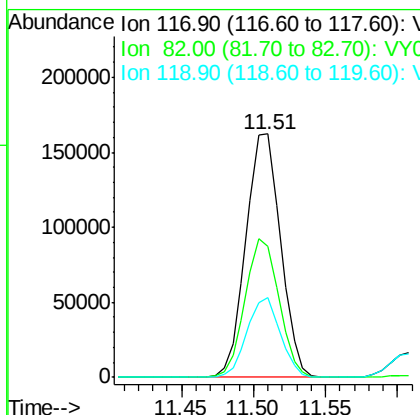
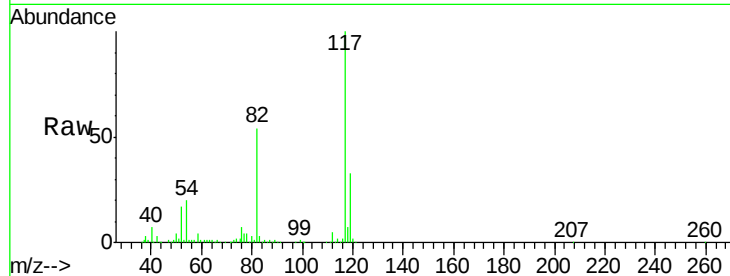
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.4	68.2
119	32.6	25.3	37.9

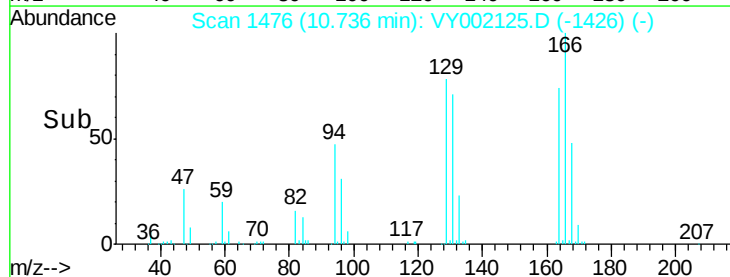
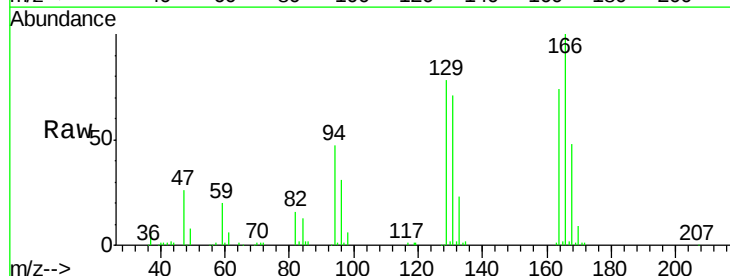
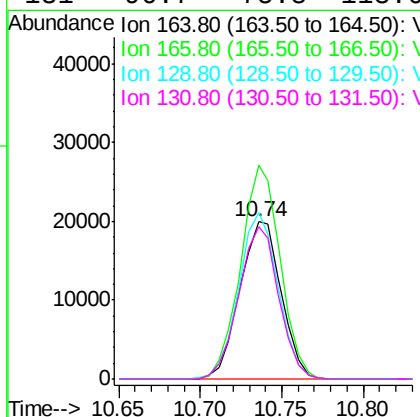
Manual Integrations
APPROVED

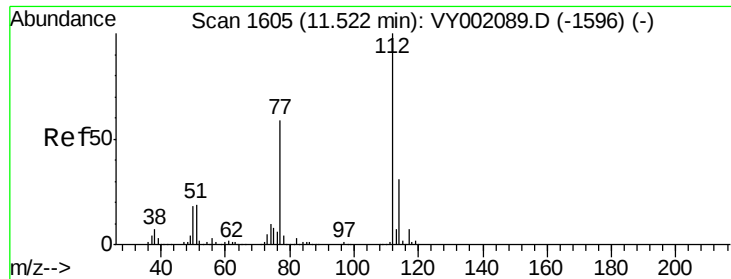
MMDadoda
4/1/2020 7:29:27 PM



#64
Tetrachloroethene
Concen: 21.175 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.0	104.0	156.0
129	105.8	81.2	121.8
131	96.7	75.8	113.6





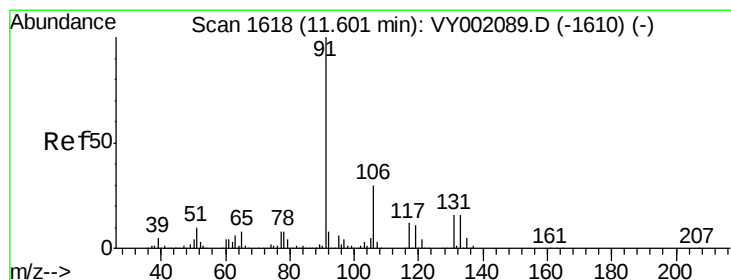
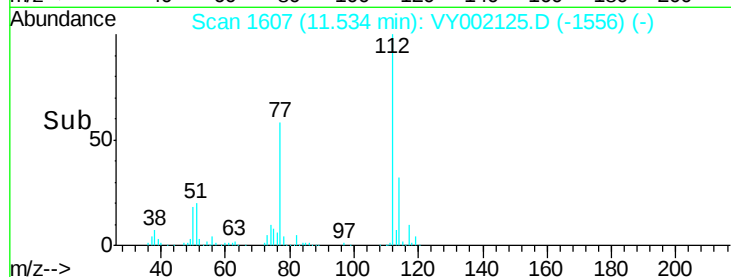
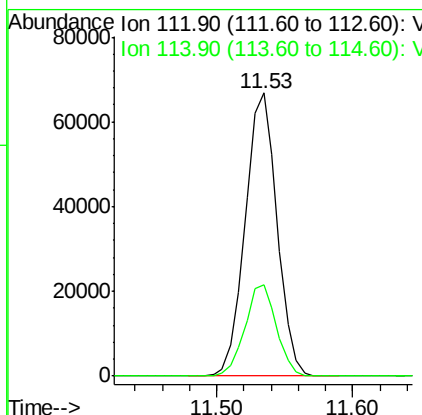
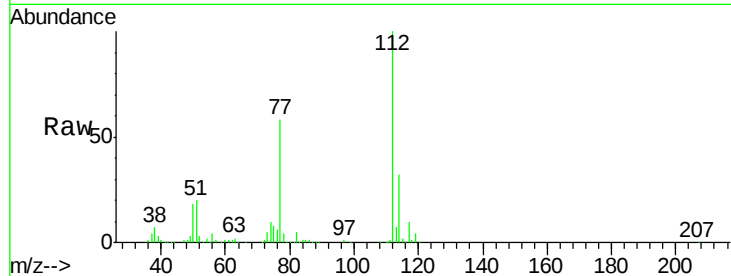
#65
Chlorobenzene
Concen: 20.878 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	109299		
114	32.1	24.9	37.3	

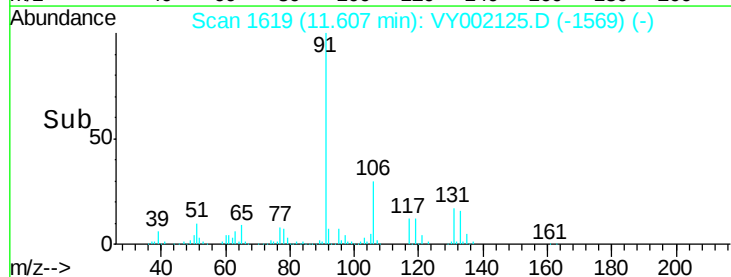
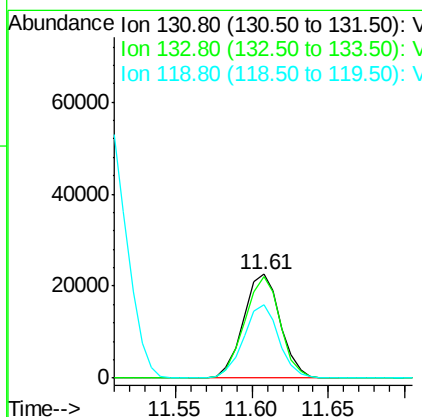
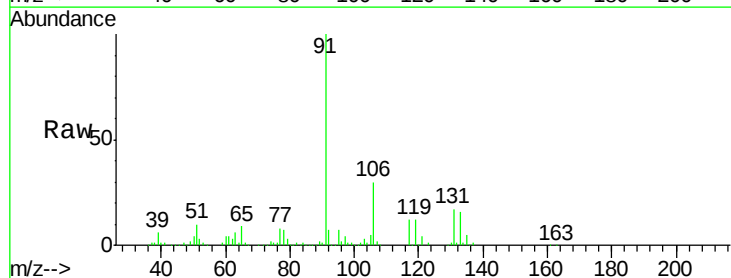
Manual Integrations
APPROVED

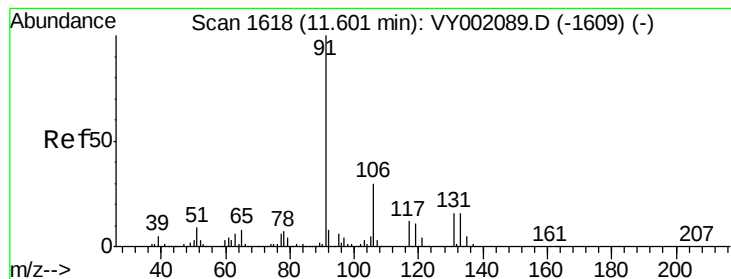
MMDadoda
4/1/2020 7:29:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.517 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	37686		
133	94.7	47.5	142.5	
119	67.4	34.6	103.9	





#67

Ethyl Benzene

Concen: 21.186 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 91 Resp: 205999

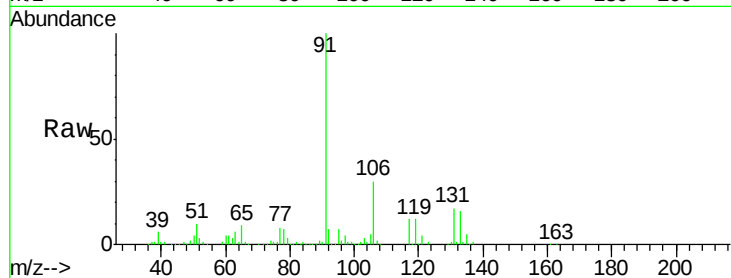
Ion Ratio Lower Upper

91 100

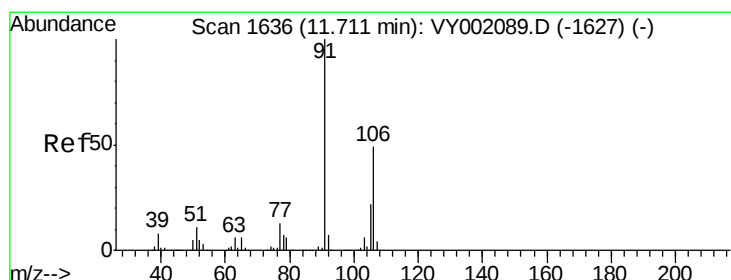
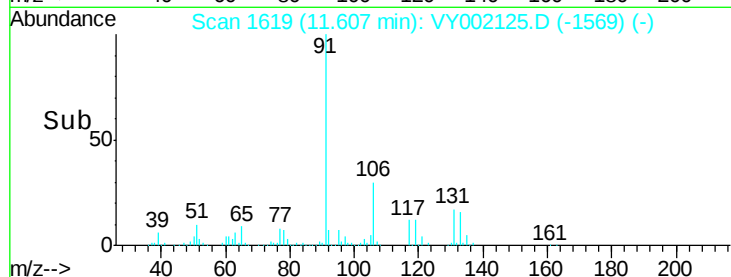
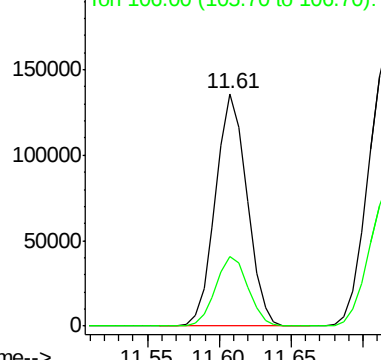
106 30.0 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



Abundance Ion 91.00 (90.70 to 91.70): VY002089.D (-1609) (-)



#68

m/p-Xylenes

Concen: 42.159 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY002125.D

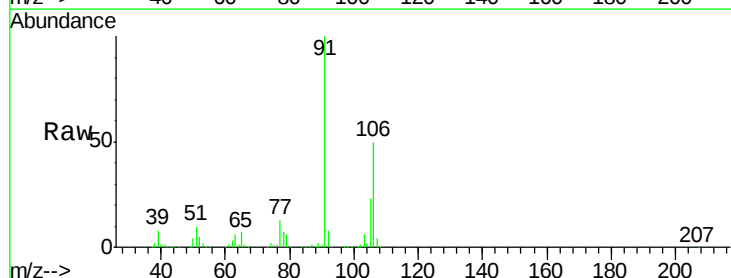
Acq: 31 Mar 2020 12:16

Tgt Ion: 106 Resp: 151563

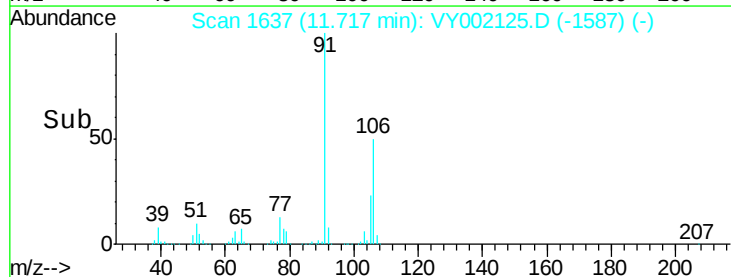
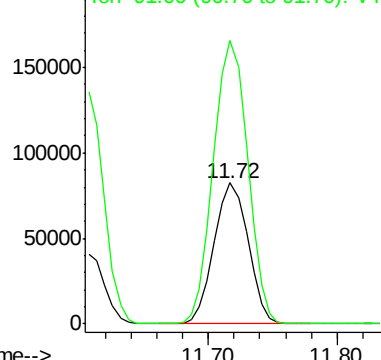
Ion Ratio Lower Upper

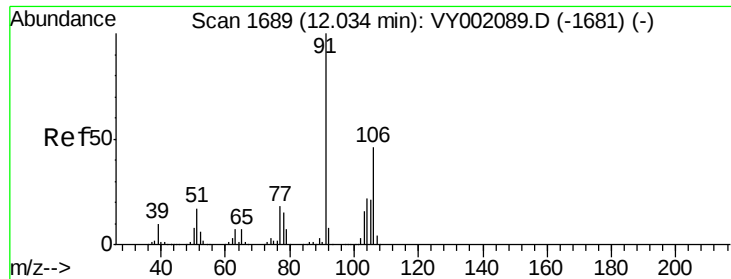
106 100

91 203.0 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VY002089.D (-1627) (-)





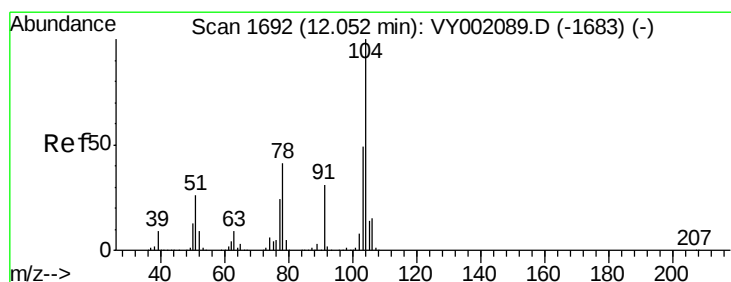
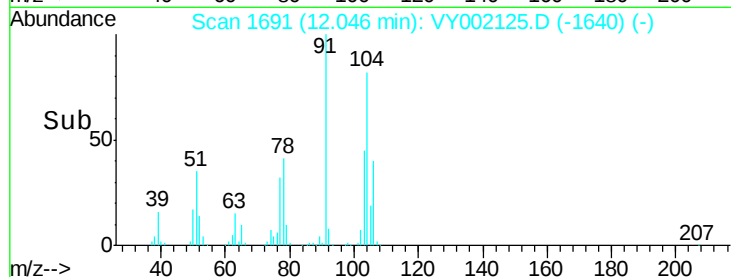
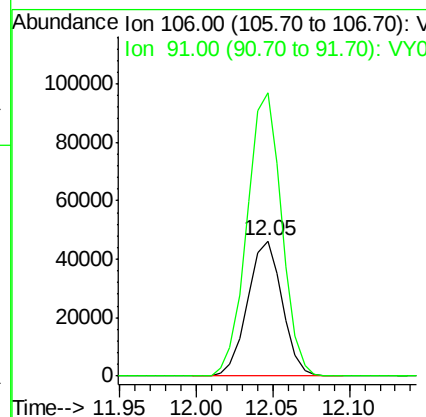
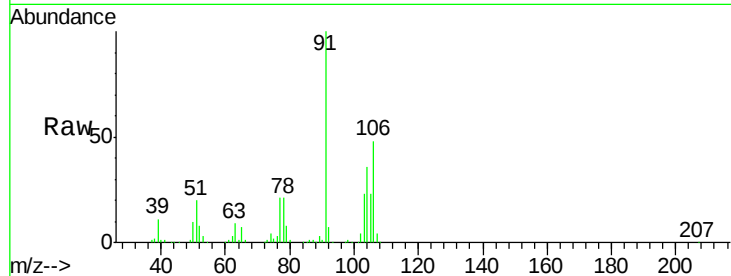
#69
o-Xylene
Concen: 21.212 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion:106 Resp: 72340
Ion Ratio Lower Upper
106 100
91 210.8 107.3 321.8

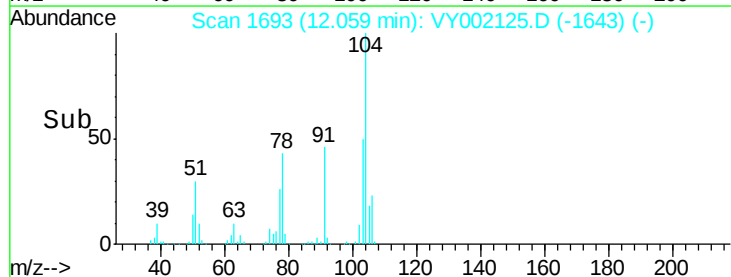
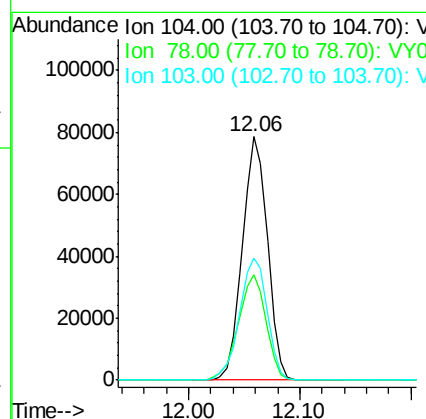
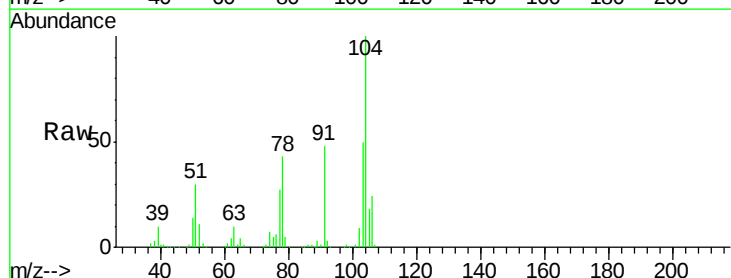
Manual Integrations
APPROVED

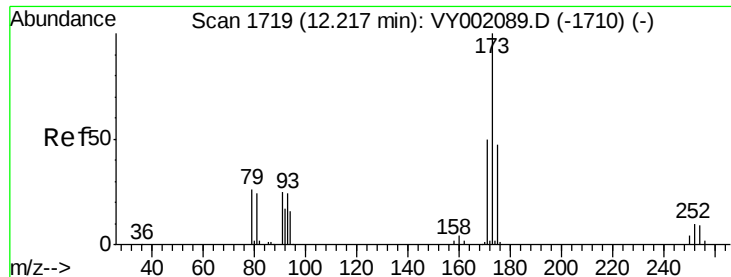
MMDadoda
4/1/2020 7:29:27 PM



#70
Styrene
Concen: 20.760 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion:104 Resp: 122681
Ion Ratio Lower Upper
104 100
78 47.6 37.9 56.9
103 55.0 43.2 64.8





#71

Bromoform

Concen: 20.456 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion:173 Resp: 19623

Ion Ratio Lower Upper

173 100

175 47.1 23.9 71.8

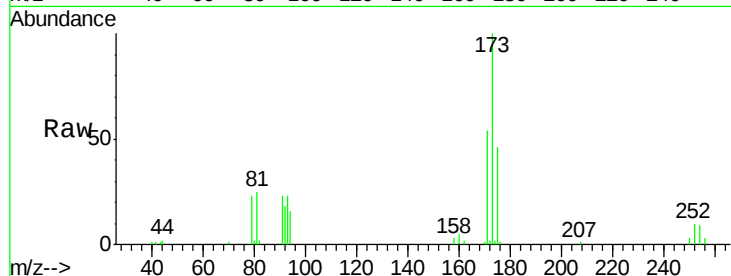
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

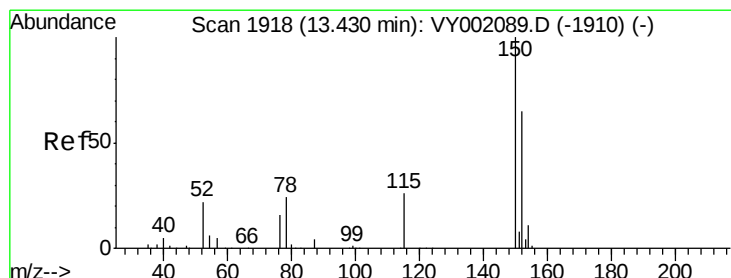
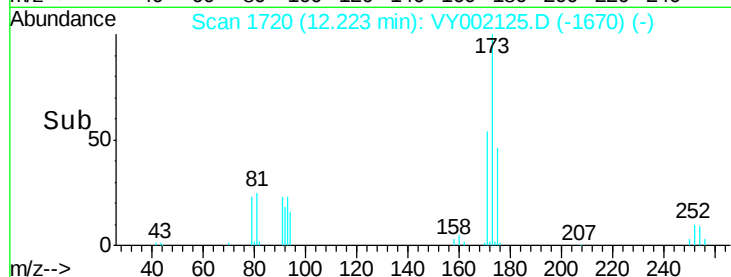
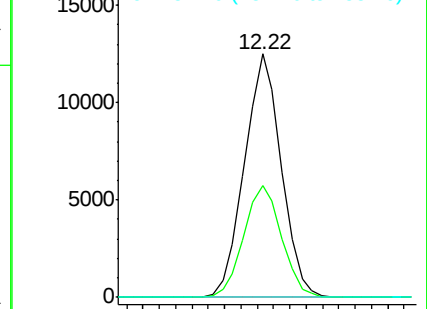
4/1/2020 7:29:27 PM



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: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

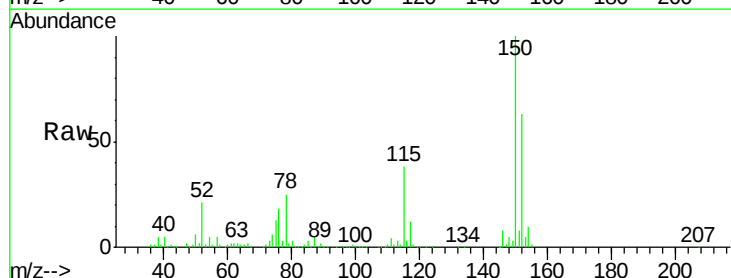
Tgt Ion:152 Resp: 123484

Ion Ratio Lower Upper

152 100

115 62.2 31.2 93.6

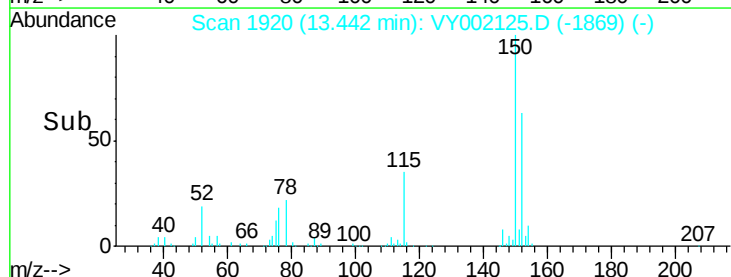
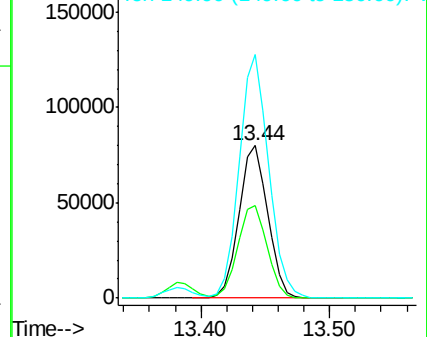
150 163.9 0.0 354.8

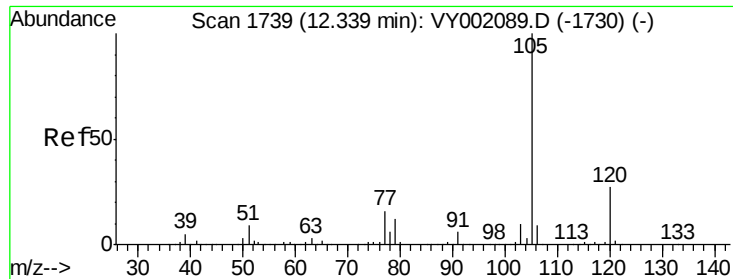


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.964 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 105 Resp: 192035

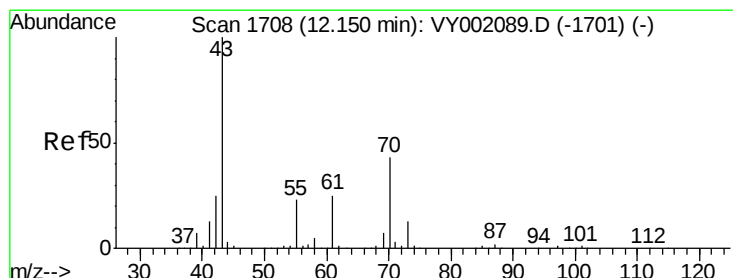
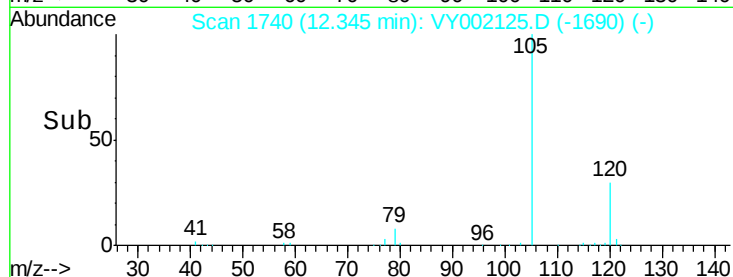
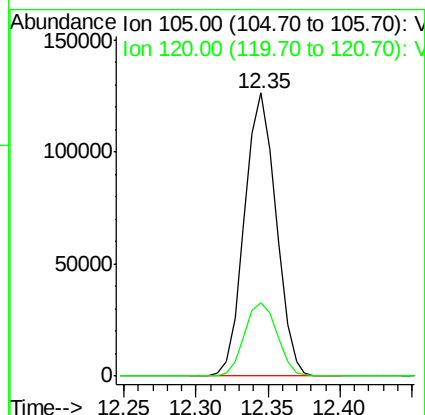
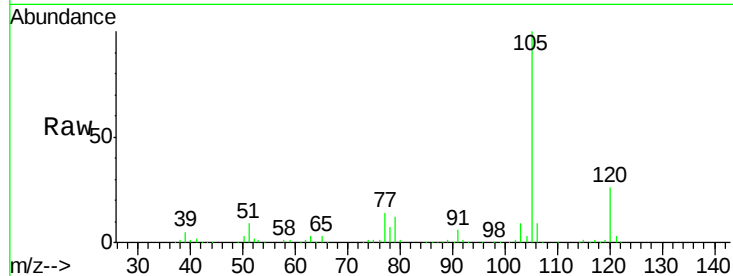
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#74

N-ethyl acetate

Concen: 19.443 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion: 43 Resp: 56172

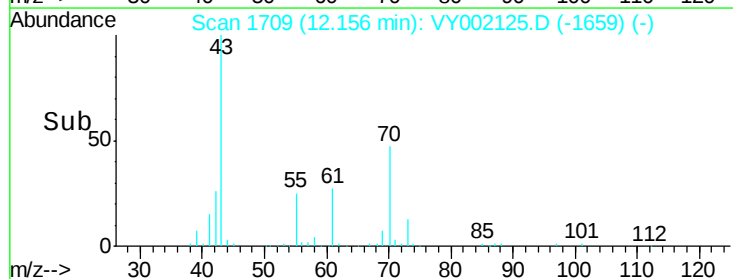
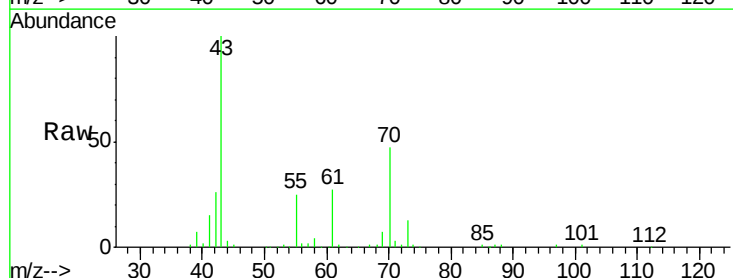
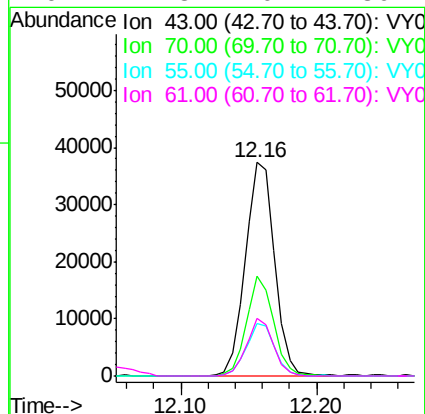
Ion Ratio Lower Upper

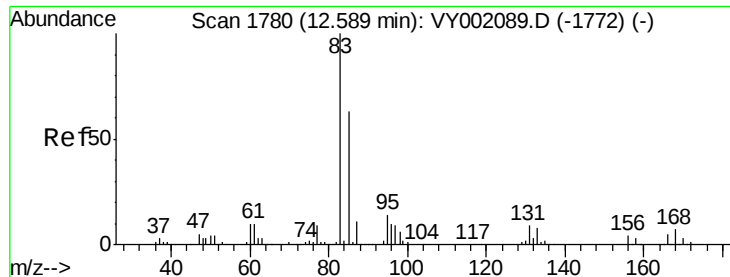
43 100

70 43.6 35.0 52.4

55 23.8 18.7 28.1

61 24.8 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.694 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

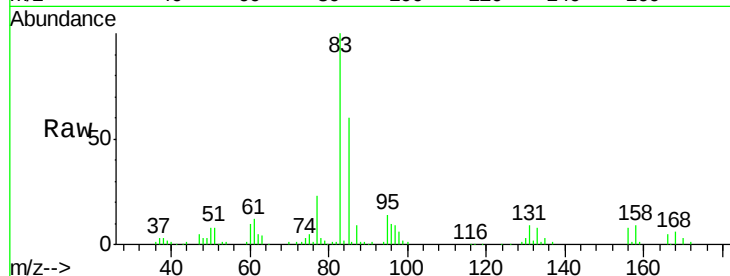
ClientSampleId :

VY0331SBS01

Tot Ion:	83	Resp:	40791
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	61.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM

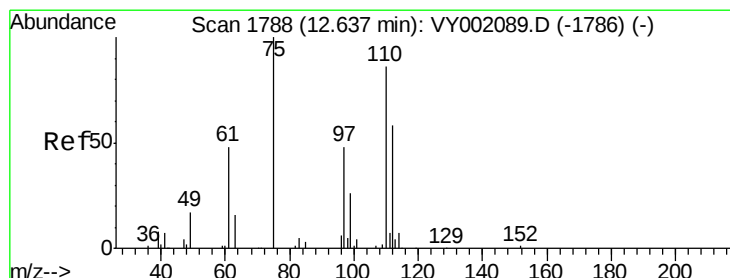
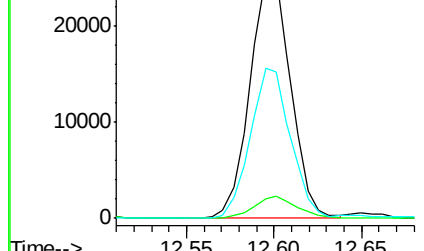
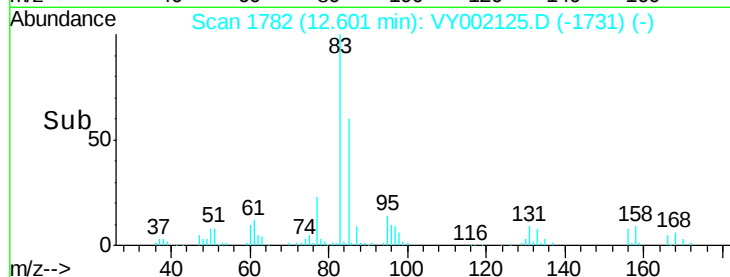


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.746 ug/l m

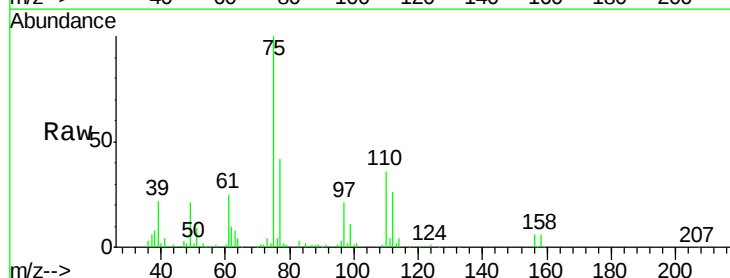
RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

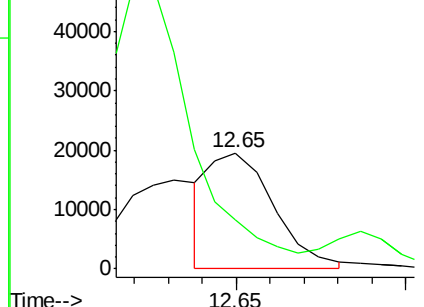
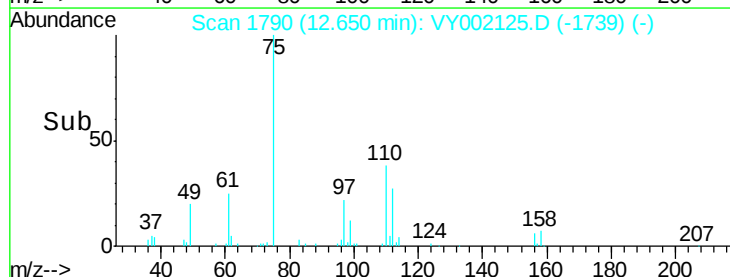
Tgt Ion:	75	Resp:	25894
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

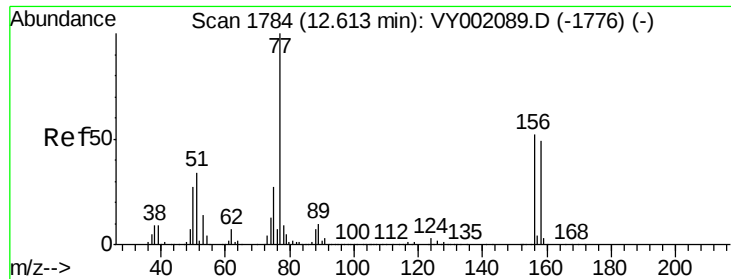


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

Time-->





#77

Bromobenzene

Concen: 21.151 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

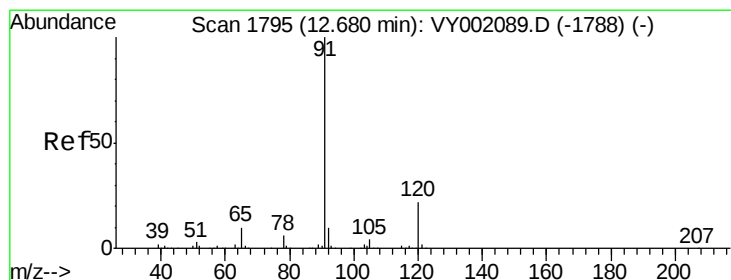
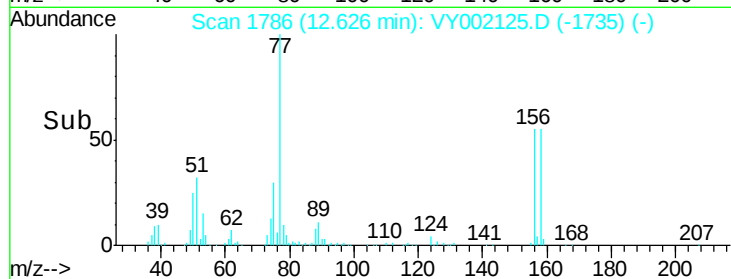
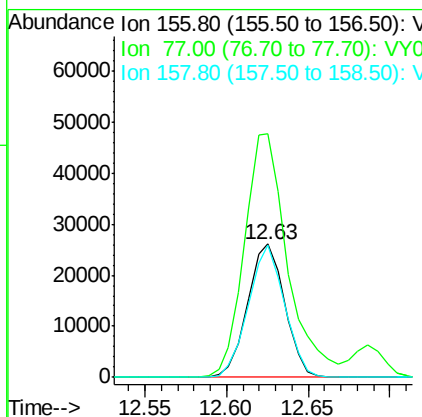
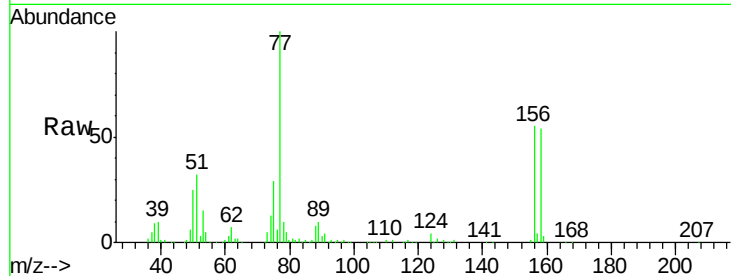
ClientSampleId :

VY0331SBS01

Tot Ion	156	Resp	41359
Ion Ratio	Lower	Upper	
156	100		
77	212.5	107.8	323.6
158	96.8	47.5	142.6

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#78

n-propylbenzene

Concen: 21.129 ug/l

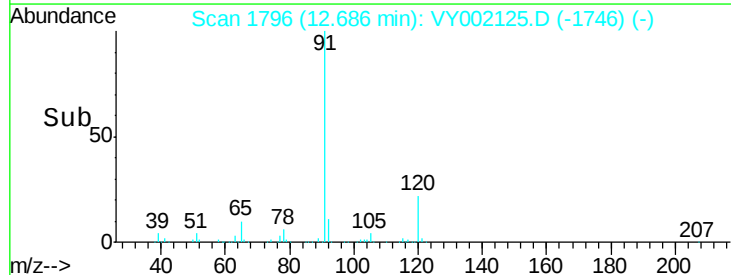
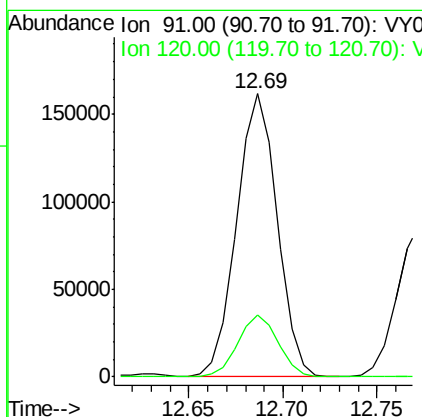
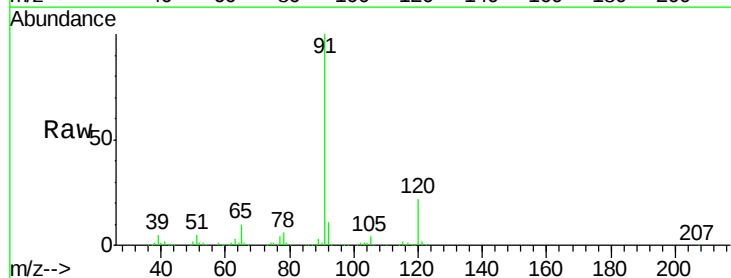
RT: 12.69 min Scan# 1796

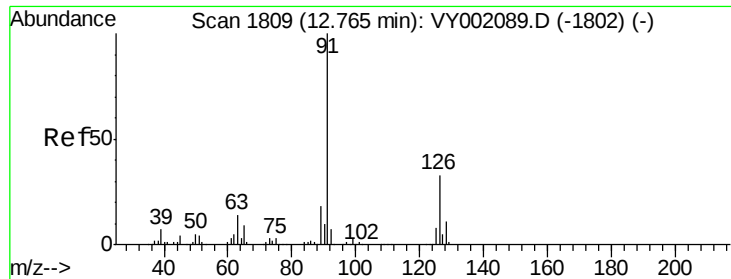
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion	91	Resp	240179
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.139 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0331SBS01

Tot Ion: 91 Resp: 131934

Ion Ratio Lower Upper

91 100

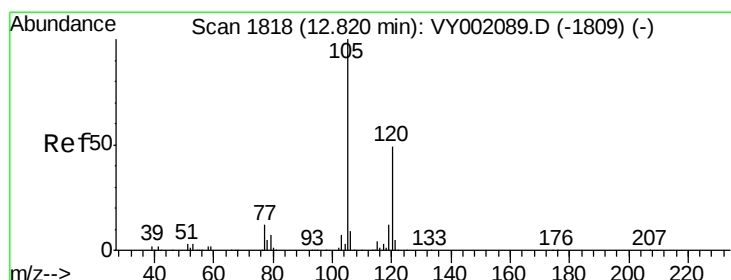
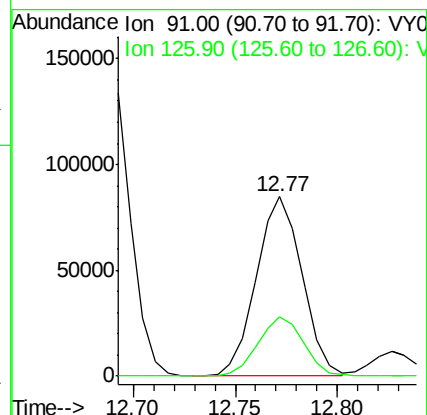
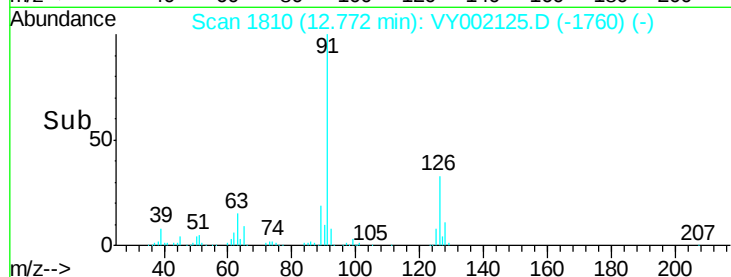
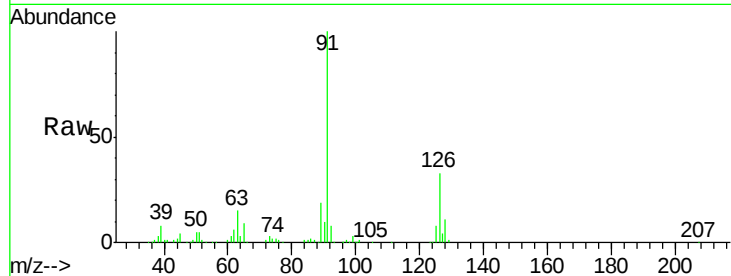
126 32.7 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

4/1/2020 7:29:27 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.275 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY002125.D

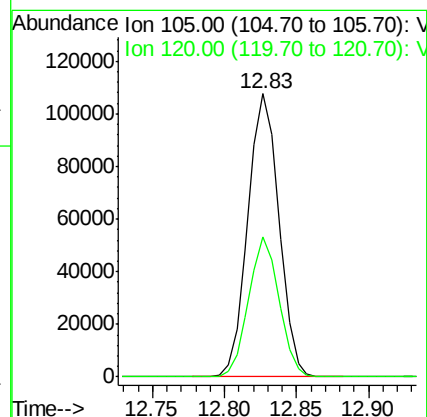
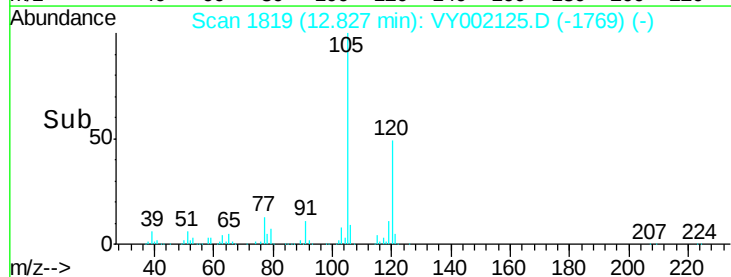
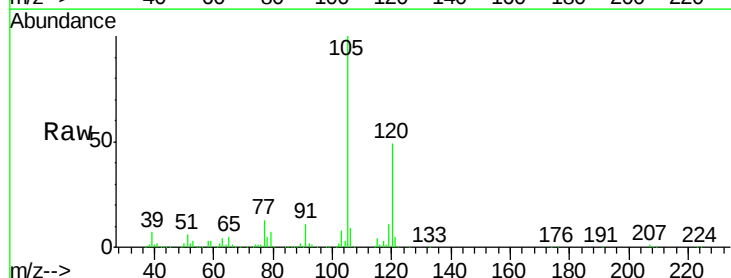
Acq: 31 Mar 2020 12:16

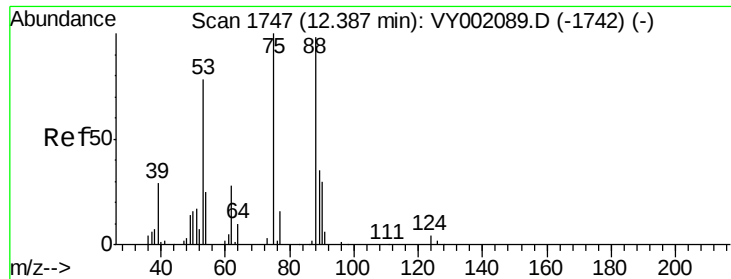
Tgt Ion: 105 Resp: 160787

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





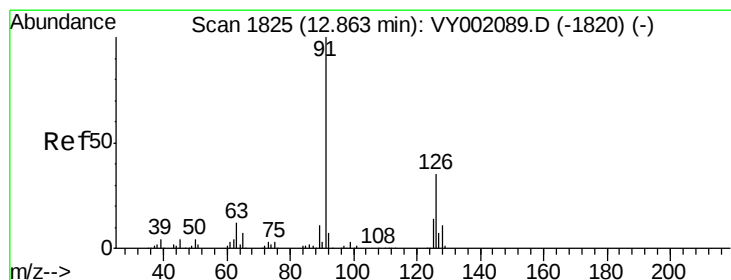
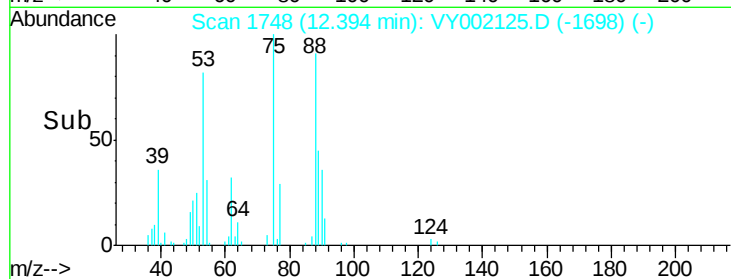
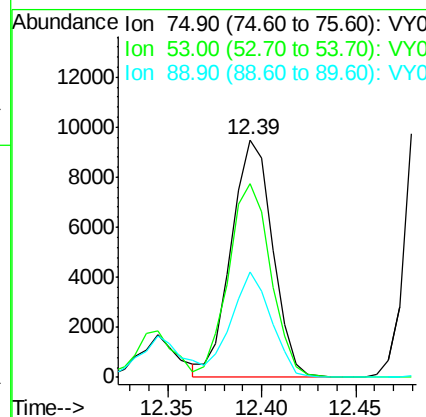
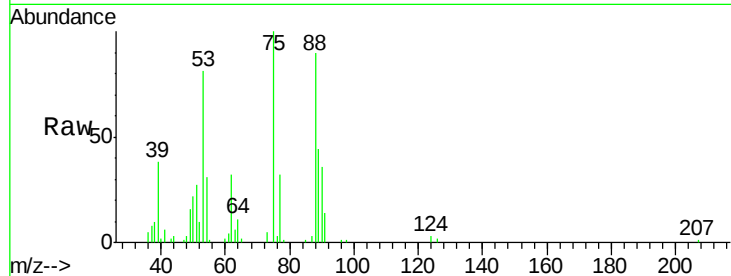
#81
trans-1,4-Dichloro-2-butene
Concen: 20.392 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	65.0	97.4
89	42.5	33.4	50.0

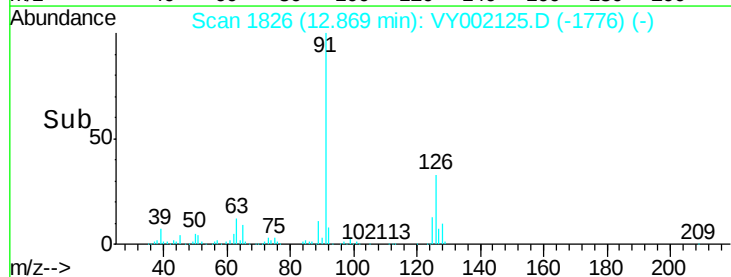
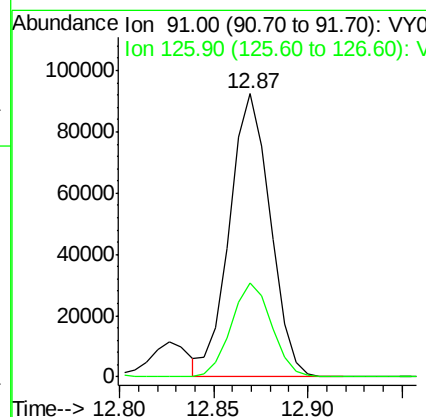
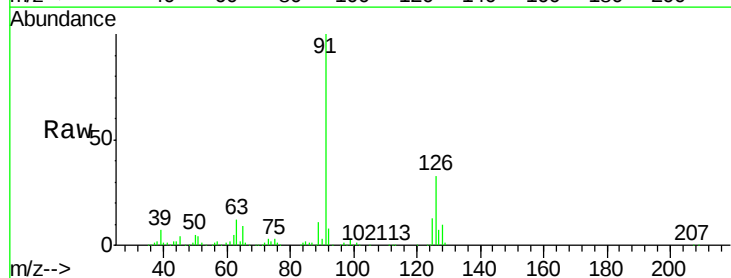
Manual Integrations
APPROVED

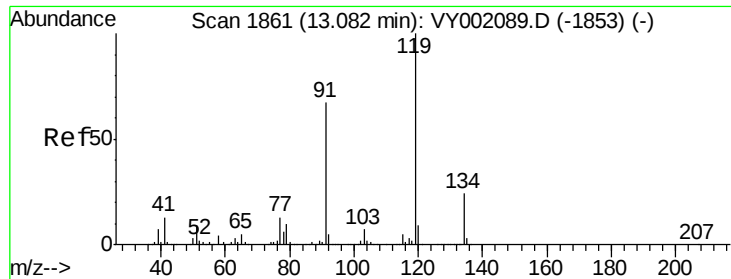
MMDadoda
4/1/2020 7:29:27 PM



#82
4-Chlorotoluene
Concen: 21.072 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.3	48.9





#83

tert-Butylbenzene

Concen: 21.114 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

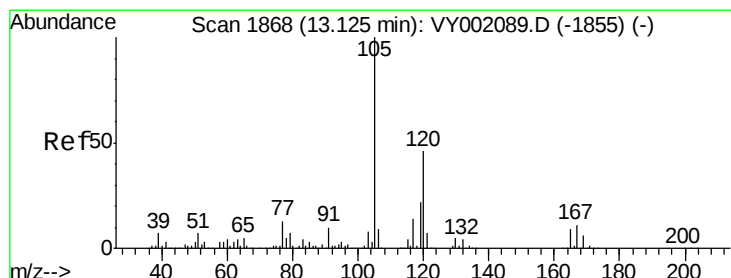
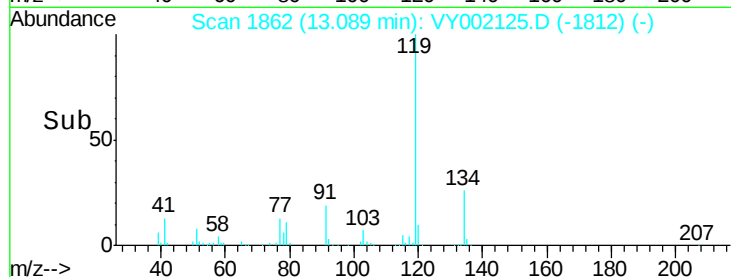
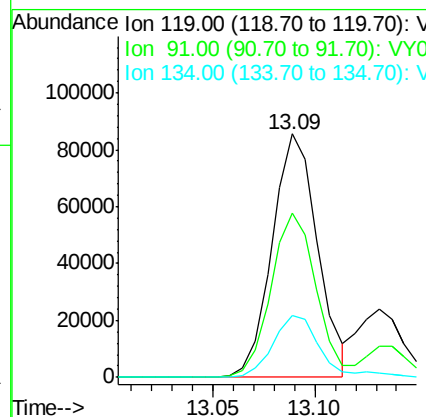
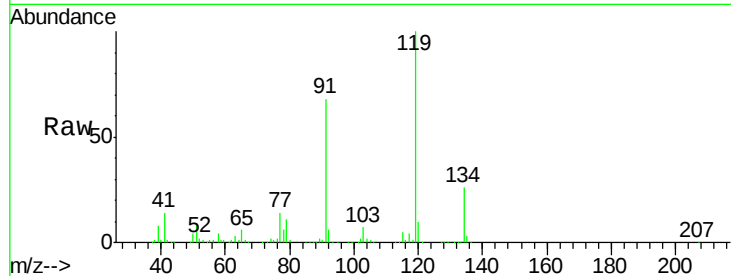
ClientSampleId :

VY0331SBS01

Tot Ion:	119	Resp:	133196
Ion Ratio	Lower	Upper	
119	100		
91	67.4	32.9	98.6
134	26.8	13.0	38.9

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.338 ug/l

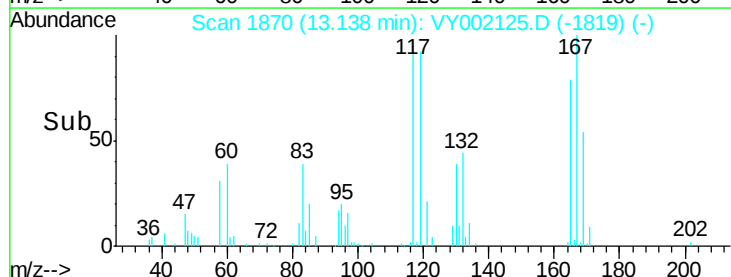
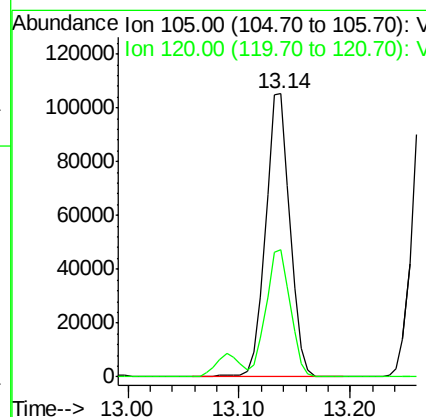
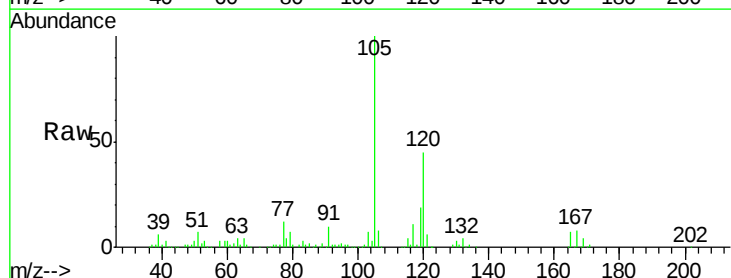
RT: 13.14 min Scan# 1870

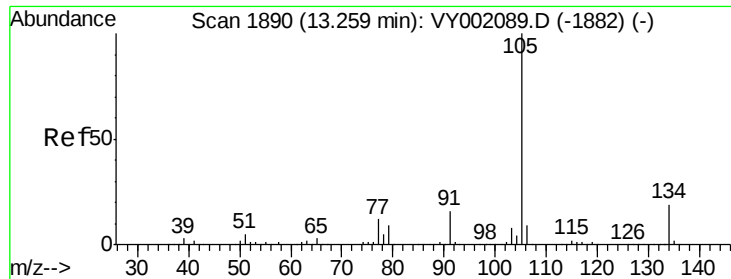
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion:	105	Resp:	160898
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.9	68.5





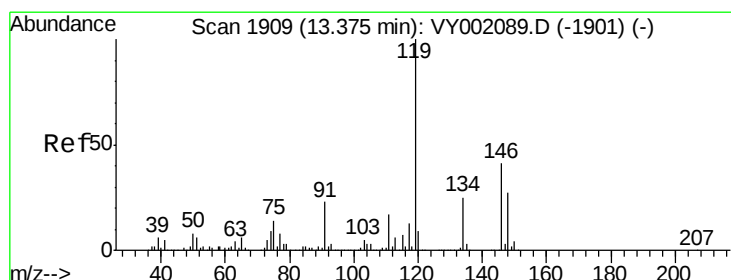
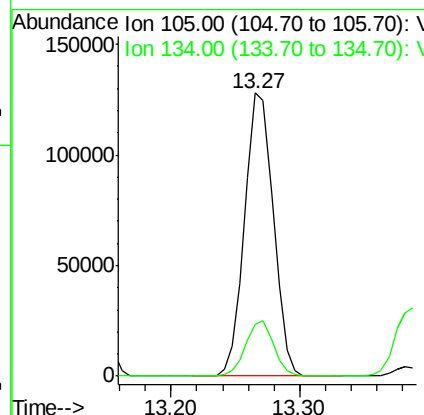
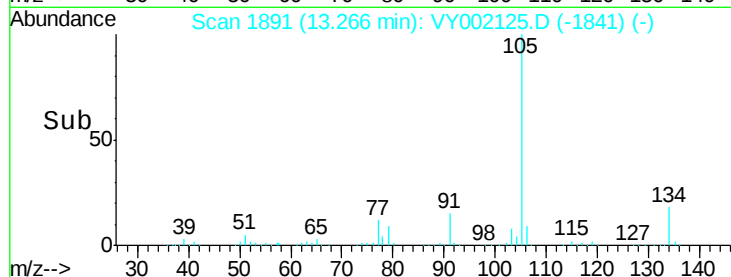
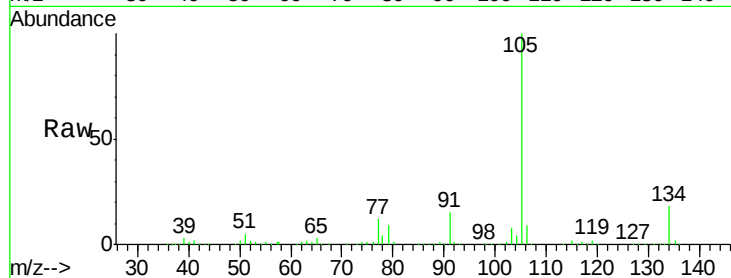
#85
 sec-Butylbenzene
 Concen: 21.136 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1

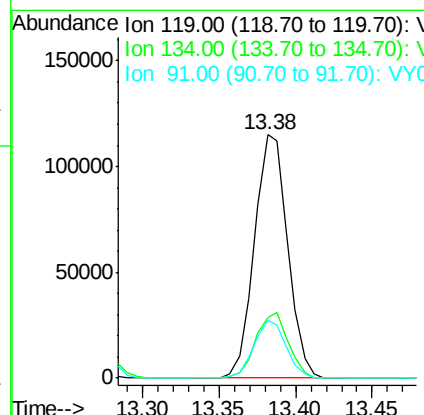
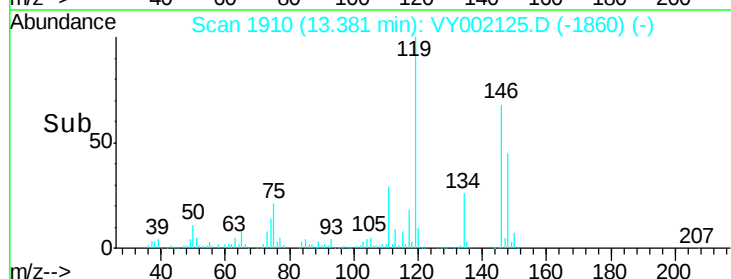
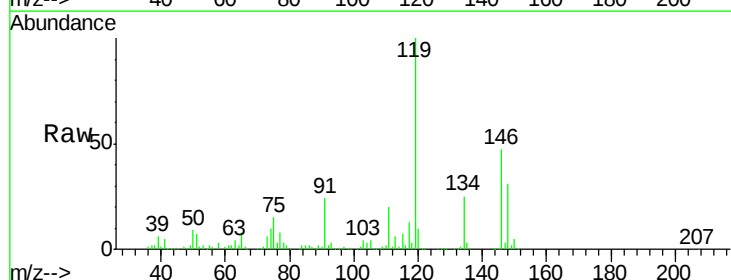
Manual Integrations
 APPROVED

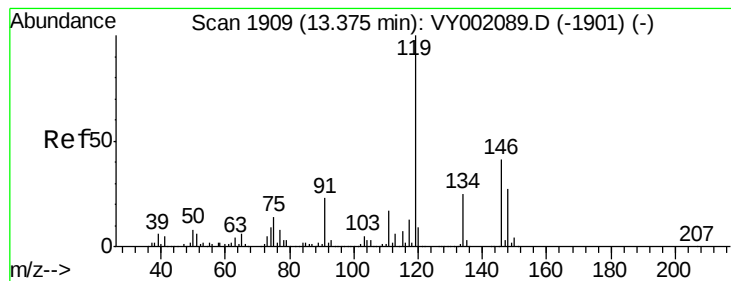
MMDadoda
 4/1/2020 7:29:27 PM



#86
 p-Isopropyltoluene
 Concen: 21.654 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.3
91	23.3	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 21.507 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Instrument :

MSVOA_Y

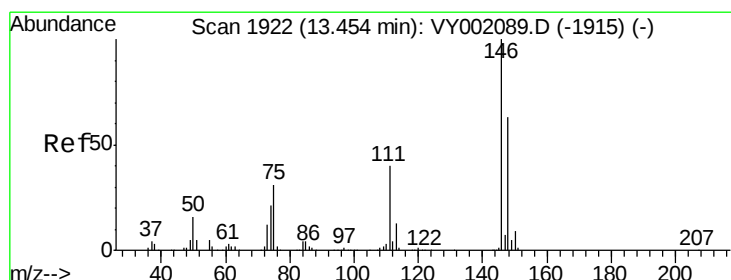
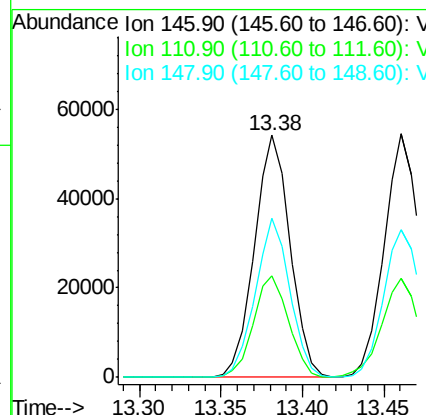
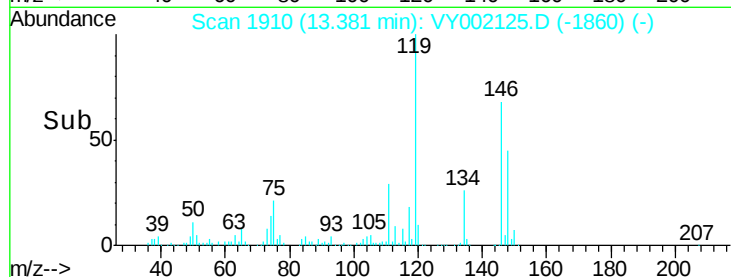
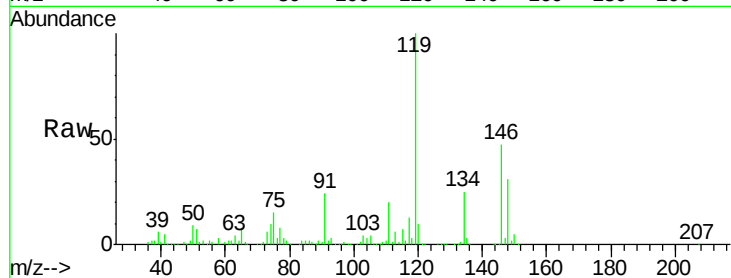
ClientSampleId :

VY0331SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.7	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#88

1,4-Dichlorobenzene

Concen: 21.408 ug/l

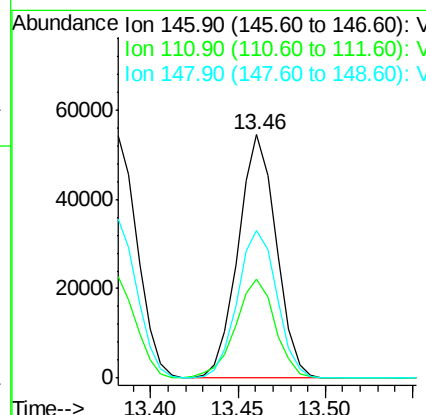
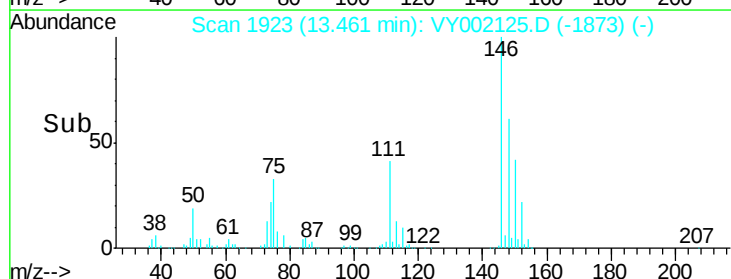
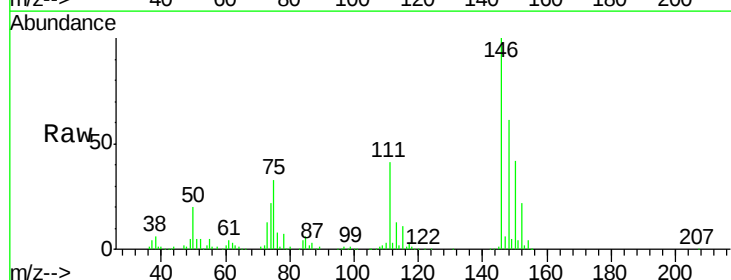
RT: 13.46 min Scan# 1923

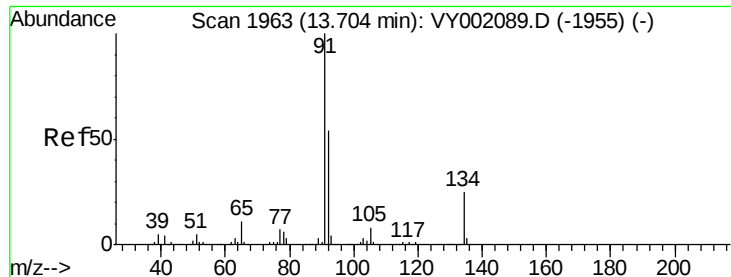
Delta R.T. 0.01 min

Lab File: VY002125.D

Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	60.9
148	62.8	31.5	94.5





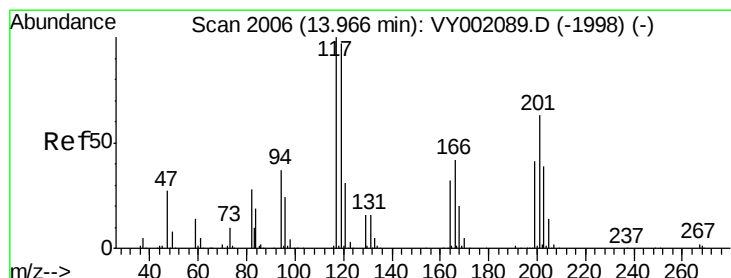
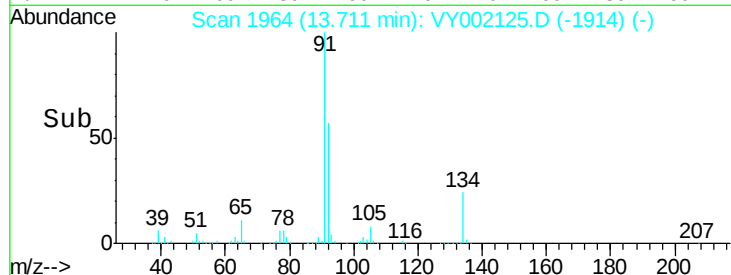
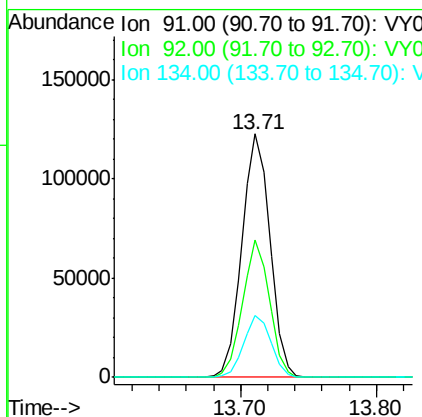
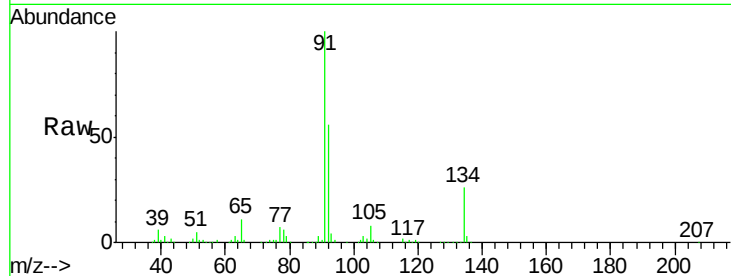
#89
n-Butylbenzene
Concen: 21.204 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	177269		
92	53.8		27.0	81.0
134	24.7		12.3	36.8

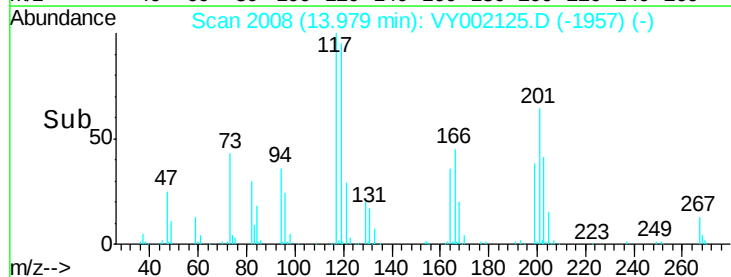
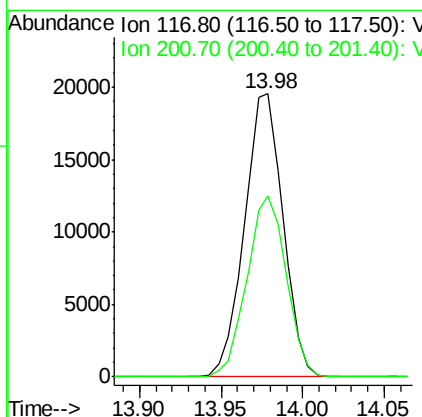
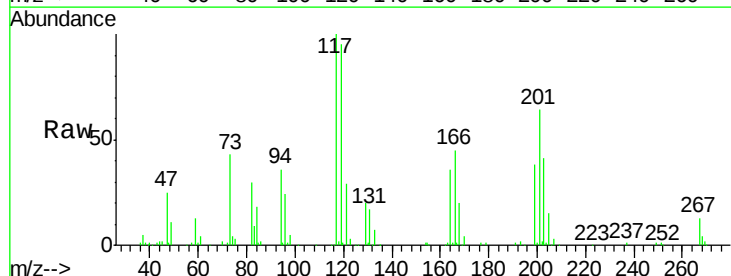
Manual Integrations
APPROVED

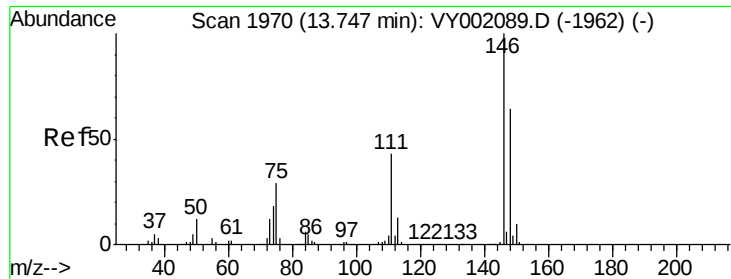
MMDadoda
4/1/2020 7:29:27 PM



#90
Hexachloroethane
Concen: 21.311 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32221		
201	65.0		31.6	94.8





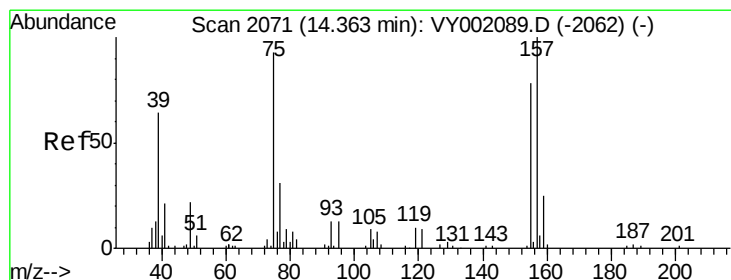
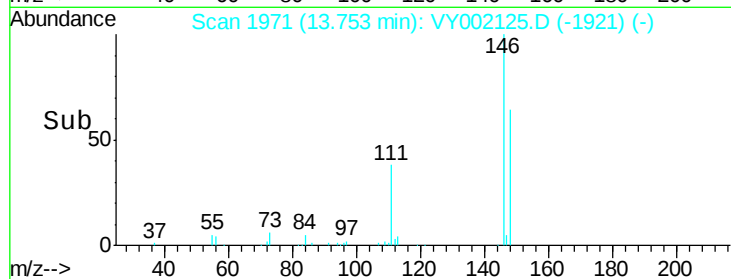
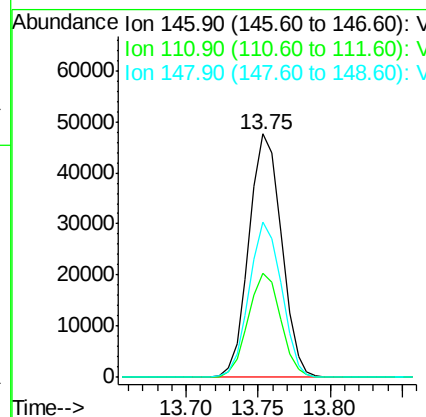
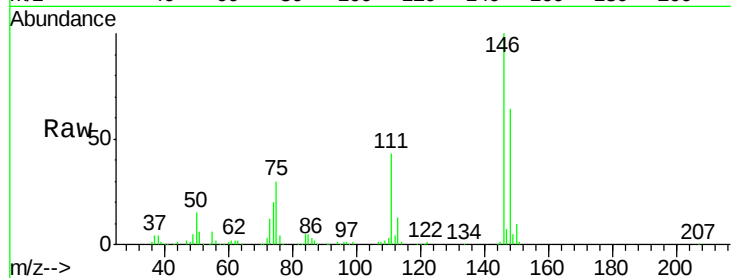
#91
 1,2-Dichlorobenzene
 Concen: 21.116 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	63.3	31.8	95.4

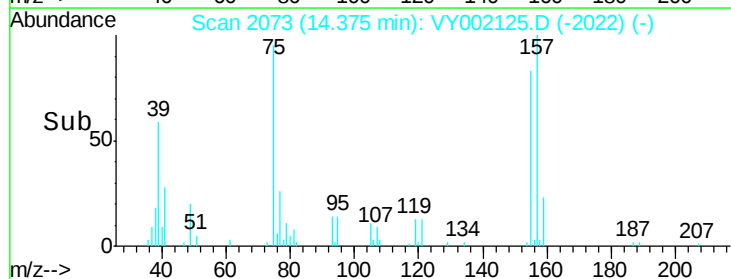
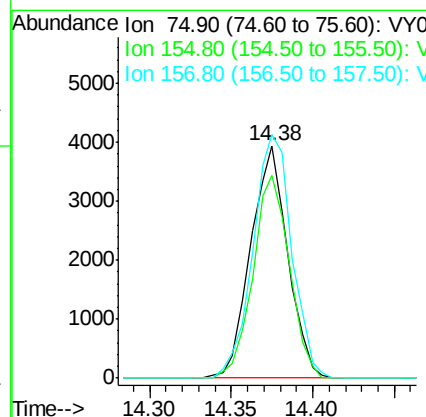
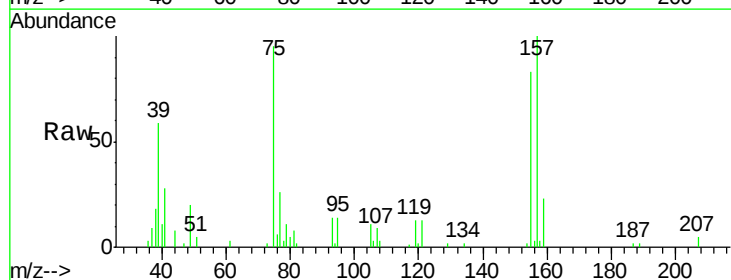
Manual Integrations
 APPROVED

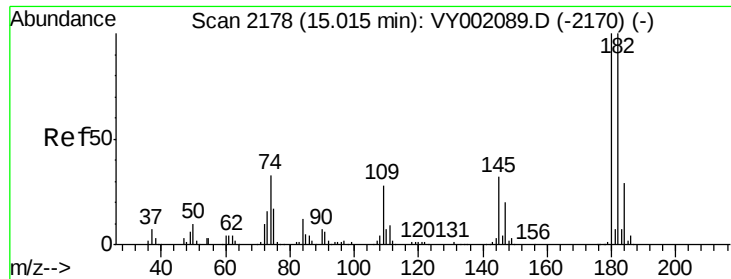
MMDadoda
 4/1/2020 7:29:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.665 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY002125.D
 Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.6	124.9
157	110.1	53.4	160.3





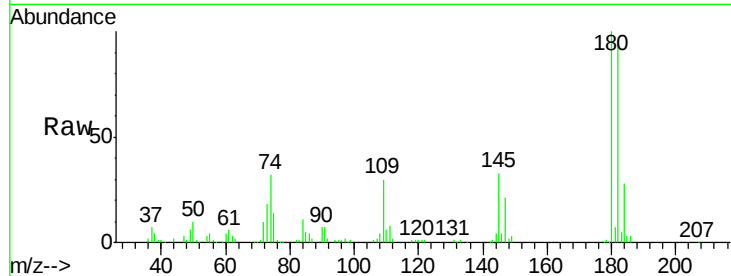
#93
1,2,4-Trichlorobenzene
Concen: 20.931 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

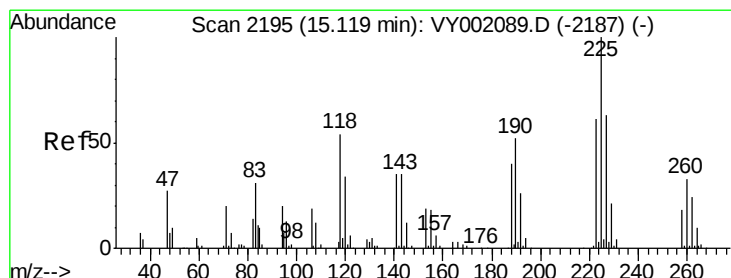
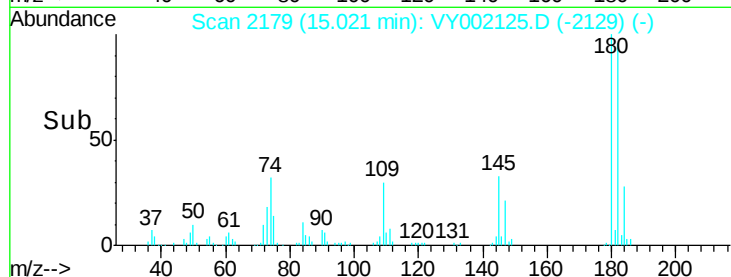
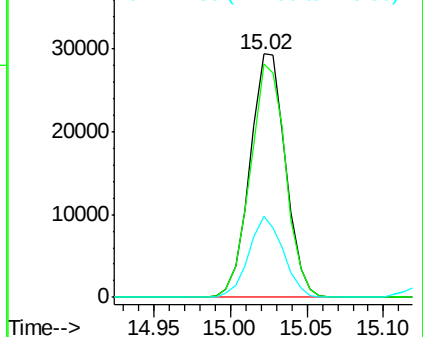
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.3
145	32.0	15.9	47.6

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM

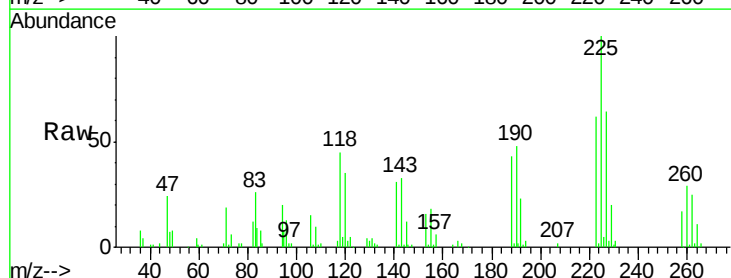


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

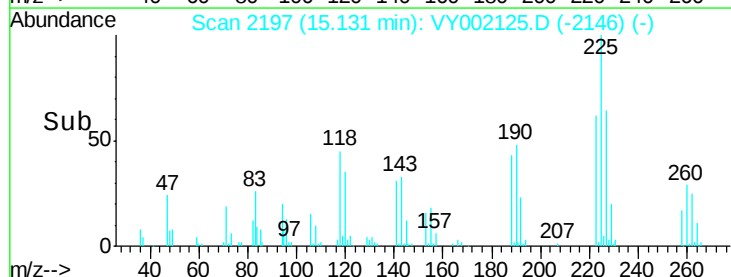
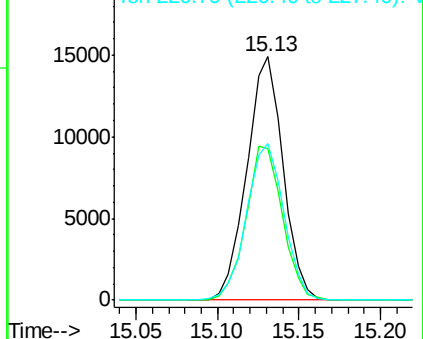


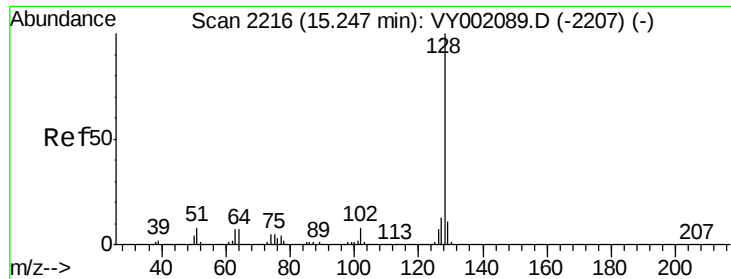
#94
Hexachlorobutadiene
Concen: 20.568 ug/l
RT: 15.13 min Scan# 2197
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.3
227	66.1	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





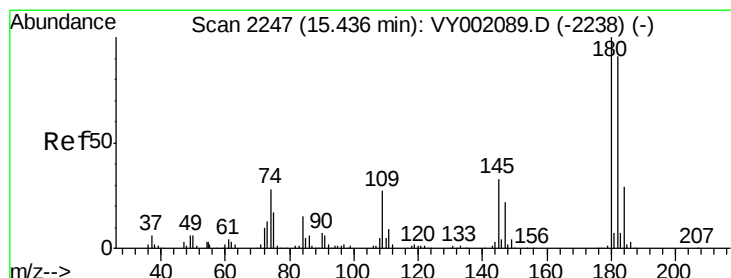
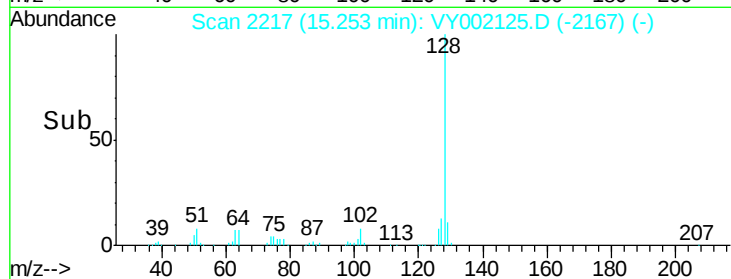
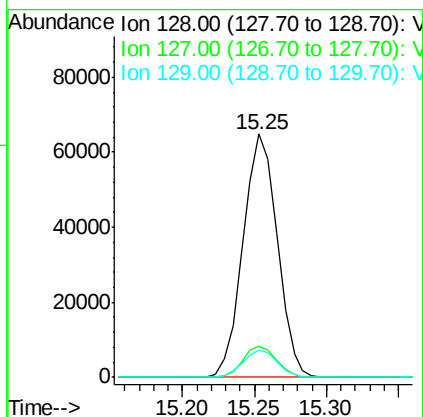
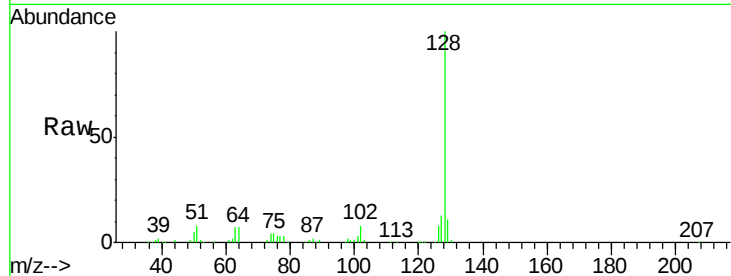
#95
Naphthalene
Concen: 19.684 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	106453		
127	12.6		9.8	14.8
129	11.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/1/2020 7:29:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.531 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY002125.D
Acq: 31 Mar 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	42393		
182	94.4		46.8	140.3
145	32.5		16.7	50.1

